09-19-2025 LETTING ITEM 004

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	1
		ILLINOIS CONTRACT NO. 61L35		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN FOR PROPOSED FEDERAL AID HIGHWAY

FAP 0345 (LAKE STREET)
FROM CHURCH STREET TO TURNBERRY DRIVE
BIKE PATH
SECTION NO.: 24-00078-00-BT
PROJECT NO.: X98H(244)
VILLAGE OF HANOVER PARK
COOK/DUPAGE COUNTY
C-91-094-25

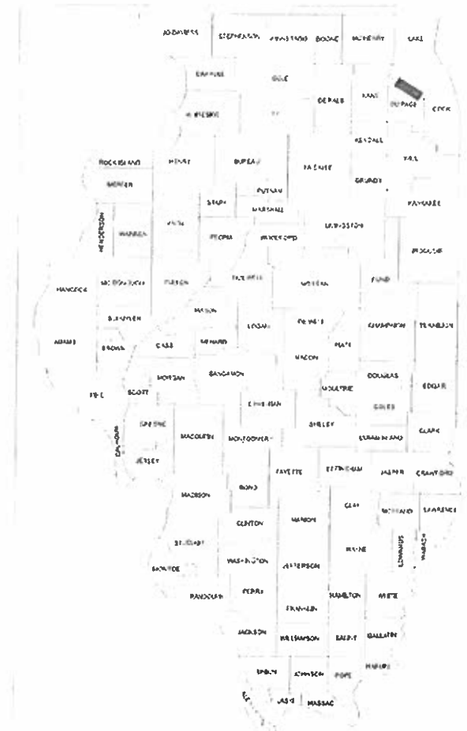
FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR HIGHWAY STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA

ADT:	2023 TRAFFIC
LAKE STREET	36,900 VPD

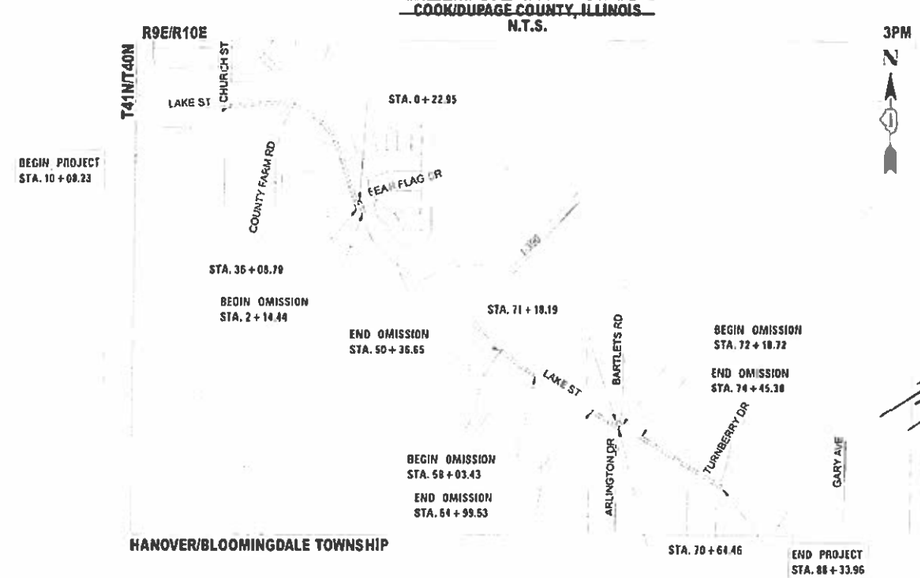
ROADWAY	SPEED LIMIT	DESIGN SPEED
LAKE STREET	40 MPH	40 MPH

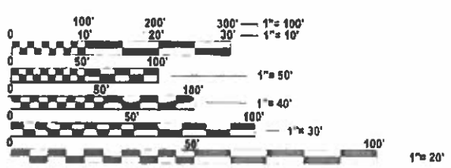
DESIGN DESIGNATION
LAKE STREET - OTHER PRINCIPAL ARTERIAL (PAS)



LOCATION OF SECTION INDICATED THUS: ▪

PROJECT LOCATION MAP
COOK/DUPAGE COUNTY, ILLINOIS
N.T.S.





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

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

PROJECT ENGINEER: B. BELGRAVE
PROJECT MANAGER: J. STRZALKA

CONTRACT NO.: 61L35

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

GROSS LENGTH = 7,826 FT. = 1.482 MILE
NET LENGTH = 5,613 FT. = 1.063 MILE

JEFFREY J. STRZALKA
SEAL
EXPIRES: 11-30-25
SHEETS 1-33, 90-116

YEMI O. OYEWOLE
SEAL
YEMI O. OYEWOLE, P.E.
EXP.RES: 11-30-25
SHEETS 34-89

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED July 18 20 25, P.E.
VILLAGE OF HANOVER PARK

PASSED July 23 20 25
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW July 23rd 20 25
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

DISTRICT ONE DETAILS

STANDARD NO.	LIST OF DESCRIPTION
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
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-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (7 SHEETS)

STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
424026-04	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
424031-03	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630116	BACK SIDE PROTECTION OF GUARDRAIL
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
877011-10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

GENERAL NOTES

1. ALL REFERENCES TO STANDARD SPECIFICATIONS IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2025.

2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.

3. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).

4. ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD88 DATUM.

5. THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PATH AND AT THE EDGE OF PATH, UNLESS OTHERWISE NOTED.

6. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING AND CLEANING STREETS OF ANY DEBRIS AND MATERIAL THAT HAS ACCUMULATED AS A RESULT OF THE CONSTRUCTION ACTIVITY. A MECHANICAL SWEEPER, MECHANICALLY DRIVEN AIR AND HANDWORK WITH SHOVEL AND BROOM SHALL BE UTILIZED TO PROVIDE A CLEAN STREET FOR THE MOTORING PUBLIC. WITHIN 24 HOURS OF PLACING PRIME COAT AND THE LAYING OF HMA, THE CONTRACTOR SHALL SWEEP THE PAVEMENT AND REMOVE STANDING WATER, EARTH, WEEDS, LEAVES, DIRT, CONSTRUCTION DEBRIS, AND ALL LOOSE MATERIAL.

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

9. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AND TEMPORARY DRAINAGE OUTLETS WITHIN THE WORK ZONE AT ALL TIMES. SHOULD ANY EXCAVATED AREA BECOME INUDATED WITH WATER DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND REPLACE ANY LAYERS OF THE WORK ZONE IMPACTED. IMPACTED AREAS REQUIRING REMEDIATION WILL BE DETERMINED AT THE SOLE DISCRETION OF THE ENGINEER.

10. THE INDISCRIMINATE USE OF FIRE HYDRANTS, EXISTING STREAMS, CREEKS, WETLANDS, OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE CONTRACTOR PRIOR TO THE USE OF THE WATER.

11. ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.

12. OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE BIKE PATH BASELINE.

13. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE PARK DISTRICT ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

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

EARTHWORK

1. THE ENGINEER AND WILL COMPLETE A STRING-LINE REVIEW OF THE SUB-GRADE AND SUBSEQUENTLY THE AGGREGATE BASE COURSE UPON TWENTY-FOUR (24) HOURS NOTICE FROM THE CONTRACTOR. THE CONTRACTOR WILL NOT BE PERMITTED TO COVER THE LAYER BEING REVIEWED UNTIL WRITTEN NOTICE HAS BEEN RECEIVED FROM THE ENGINEER. SEGMENTS OF THE BIKE PATH CONSTRUCTION MAY BE SEQUENCED APPROPRIATELY TO PERMIT CONTINUOUS CONSTRUCTION OPERATIONS.

2. FOLLOWING ACCEPTANCE OF THE STRING-LINE REVIEW BY THE ENGINEER, THE CONTRACTOR SHALL PERFORM A PROOF ROLL OF THE SUBGRADE WITH A LOADED SIX-WHEELER IN THE PRESENCE OF THE ENGINEER. A WEIGHT TICKET WILL BE REQUIRED. THE PROOF ROLL CANNOT BE SCHEDULED WHEN THERE IS GREATER THAN A TWENTY FIVE PERCENT (25%) CHANCE OF RAIN IN THE FORECAST FOR THE SUBSEQUENT FORTY EIGHT (48) HOURS AFTER THE PROOF ROLL IN ORDER TO PERMIT THE CONTRACTOR ENOUGH TIME TO TAKE ANY NOTED REMDIAL ACTION AND/OR COMPLETE DELIVERY OF AGGREGATE BASE COURSE TO COVER THE SUBGRADE.

BACKFILL

1. PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. ALL TRENCH BACKFILL QUANTITIES FOR PIPE CULVERTS HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON PIPE SIZE AND INVERT DEPTH FROM SUBGRADE.

2. TRENCH BACK FILL MATERIAL SHALL CONSIST OF CA-6 CRUSHED STONE OR CRUSHED AGGREGATE.

SEDIMENTATION AND EROSION CONTROL

1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY AND PERMANENT MEASURES.

2. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDOLOGIC DISTURBANCE OF UPLAND AREAS.

3. TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET SHALL BE APPLIED ON ALL DISTURBED AREAS IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS. SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.

4. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF THE ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE IN ACCORDANCE WITH SECTIONS 250 AND 280 OF THE STANDARD SPECIFICATIONS.

5. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED AS DIRECTED BY THE ENGINEER.

6. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY, OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT OR AS DIRECTED BY THE ENGINEER AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

7. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD-PRONE AREA OR DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES. IF DE-WATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).

8. THE EROSION CONTROL MEASURES INDICATED IN THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

PAVING

1. TRANSVERSE CONSTRUCTION JOINTS WILL BE ALLOWED DURING PAVING PROVIDED THE CONTRACTOR COMPLETE A SAWCUT AT LEAST SIX INCHES INTO THE ADJACENT MAT AT THE START OF PAVING THE FOLLOWING DAY.

2. THE ENGINEER AND OWNER MUST BE GIVEN 24 HOURS TO REVIEW ALL HMA PAVED BINDER SECTIONAL AREAS. RUNNING AND SIDE SLOPE DEFICIENCY WILL BE NOTED AND MARKED FOR CORRECTION, IF NEEDED.

GENERAL NOTES CONTINUED

LANDSCAPING

1. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.

2. PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING BODY OF WATER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

CONSTRUCTION LAYOUT

1. CONTRACTOR TO PROVIDE GRADE STAKES EVERY FIFTY FEET (50') MINIMUM DURING CONSTRUCTION. ALL CONSTRUCTION LAYOUT STAKING SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION AND SHALL BE RE-ESTABLISHED BY THE CONTRACTOR UPON NOTICE BY THE ENGINEER OR OWNER. CORRECTED OR REPLACEMENT STAKING SHALL BE SATISFACTORY REPLACED WITHIN 72 HOURS OF NOTICE TO THE CONTRACTOR.

COMMITMENTS

NONE.

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU 75% FEDERAL 25% STATE 0021
	20101000	TEMPORARY FENCE	FOOT	125	125
	20200100	EARTH EXCAVATION	CU YD	1,125	1,125
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,154	1,154
	20400800	FURNISHED EXCAVATION	CU YD	26	26
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	6,992	6,992
*	25000210	SEEDING, CLASS 2A	ACRE	1.50	1.50
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	131	131
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	131	131
*	25100630	EROSION CONTROL BLANKET	SQ YD	6,992	6,992
*	25200200	SUPPLEMENTAL WATERING	UNIT	1	1
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	145	145
	28000400	PERIMETER EROSION BARRIER	FOOT	3,092	3,092
	28000510	INLET FILTERS	EACH	29	29
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,000	1,000
	35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	2,186	2,186
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	182	182
	35800100	PREPARATION OF BASE	SQ YD	4,395	4,395
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	9,888	9,888

* SPECIALTY ITEM

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PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

LAKE STREET MULTI-USE PATH
SUMMARY OF QUANTITIES

SCALE: | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	4
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU 75% FEDERAL 25% STATE 0021
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	527	527
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	314	314
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	8,993	8,993
42400800	DETECTABLE WARNINGS	SQ FT	447	447
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2,442	2,442
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	472	472
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	912	912
44000600	SIDEWALK REMOVAL	SQ FT	8,785	8,785
44201365	CLASS C PATCHES, TYPE II, 11 INCH	SQ YD	26	26
44201371	CLASS C PATCHES, TYPE IV, 11 INCH	SQ YD	338	338
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	10	10
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	108	108
* 56400100	FIRE HYDRANTS TO BE MOVED	EACH	6	6
60255500	MANHOLES TO BE ADJUSTED	EACH	5	5
	-			
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	2	2
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	6	6
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	3	3
60600605	CONCRETE CURB, TYPE B	FOOT	754	754

* SPECIALTY ITEM

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LAKE STREET MULTI-USE PATH
SUMMARY OF QUANTITIES

SCALE: | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	5
		CONTRACT NO. 61L35		
	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU 75% FEDERAL 25% STATE 0021
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	274	274
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	50	50
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	537	537
*	63000035	BACK SIDE PROTECTION OF GUARDRAIL	FOOT	90	90
	67100100	MOBILIZATION	L SUM	1	1
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,101	2,101
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,571	2,571
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	22	22
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	55	55
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	96	96
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	72	72
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	5	5
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,461	2,461
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,324	2,324

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LAKE STREET MULTI-USE PATH
SUMMARY OF QUANTITIES

SCALE: | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	6
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU 75% FEDERAL 25% STATE 0021
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,125	2,125
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	219	219
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	75	75
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	390	390
*	87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	4	4
*	87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1	1
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20.00	20
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13	13
*	87900200	DRILL EXISTING HANDHOLE	EACH	11	11
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5	5
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	1
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	9	9
*	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	4	4
*	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	6	6
*	89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1	1
*	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1	1
*	89502200	MODIFY EXISTING CONTROLLER	EACH	5	5
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4,543	4,543

* SPECIALTY ITEM

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LAKE STREET MULTI-USE PATH
SUMMARY OF QUANTITIES

SCALE: | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	7
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU 75% FEDERAL 25% STATE 0021
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5	5
*	89502376	REBUILD EXISTING HANDHOLE	EACH	4	4
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7	7
*	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	1	1
*	K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	2	2
*	K0036117	MULCH PLACEMENT 2"	SQ YD	20	20
*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	150	150
	X0326806	WASHOUT BASIN	L SUM	1	1
	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	7,870	7,870
	X0327989	REMOVE EXISTING BRICK PAVERS	SQ FT	1,263	1,263
*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	1
*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4	4
*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1	1
	X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	100	100
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2
	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1
*	X8100863	INTERCEPT EXISTING CONDUIT	EACH	1	1
*	X8140238	REBUILD EXISTING DOUBLE HANDHOLE	EACH	4	4

* SPECIALTY ITEM

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STU 75% FEDERAL 25% STATE 0021
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	21	21
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24	24
*	X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	5	5
*	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	5	5
#	Z0076600	TRAINEES	HOUR	500	500
#	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500

* SPECIALTY ITEM

0042

EXISTING LEGEND

- (A) EX PCC PAVT 10 ¼"
- (B) EX COMB CONC C&G TB6.24
- (C) EX AGGREGATE BASE COURSE, DEPTH VARIES
- (D) REMOVE & REINSTALL BRICK PAVERS
- (E) HMA SURFACE REM 2"
- (F) EX GROUND
- (G) SIDEWALK REMOVAL

PROPOSED LEGEND

- (1) HMA SURFACE COURSE, IL -9.5, MIX D, N50, 2"
- (2) AGGREGATE BASE COURSE, TYPE B 8"
- (3) CONCRETE BASE (INCLUDED IN COST FOR REMOVE & REINSTALL BRICK PAVERS)
- (4) TOPSOIL F&P, 4"
  SEEDING, CL 2A
  EROSION CONTROL BLANKET
- (5) PREPARATION OF BASE

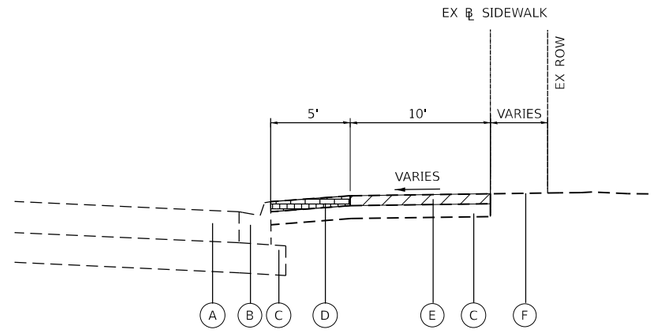
INDICATES REMOVAL ITEM

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
MULTI-USE PATH		
HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4.0% @ 50 GYR.	LR 1030-2
ENTRANCES		
HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4.0% @ 50 GYR.	LR 1030-2
HMA BASE COURSE; 8" (HMA BINDER IL-19.0)	4.0% @ 50 GYR.	LR 1030-2
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0)	4.0% @ 50 GYR.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUATITIES IS 112 LBS/SQYD/IN.

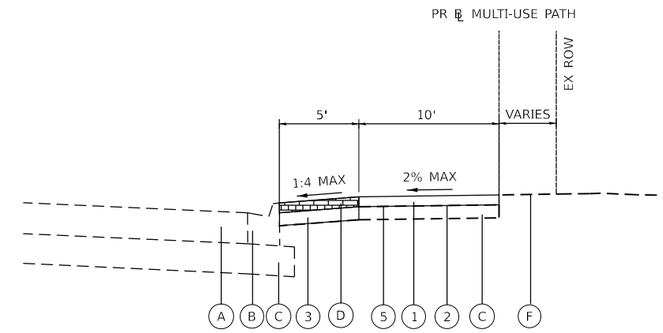
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIAL SPECIFICATIONS.

PATCHING LOCATIONS TO BE DETERMINED BY THE ENGINEER AFTER MILLING OPERATIONS.



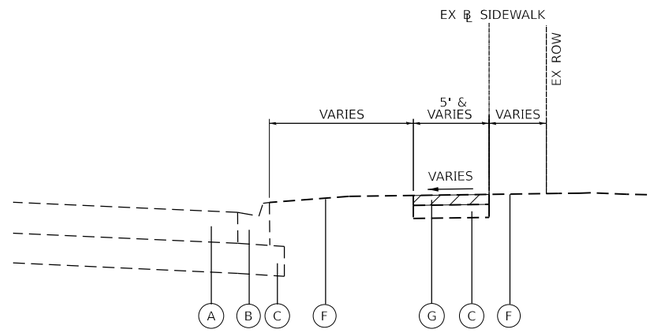
EXISTING TYPICAL SECTION

CHURCH STREET TO ONTARIOVILLE ROAD
STA. 11+66.27 TO STA. 35+74.62



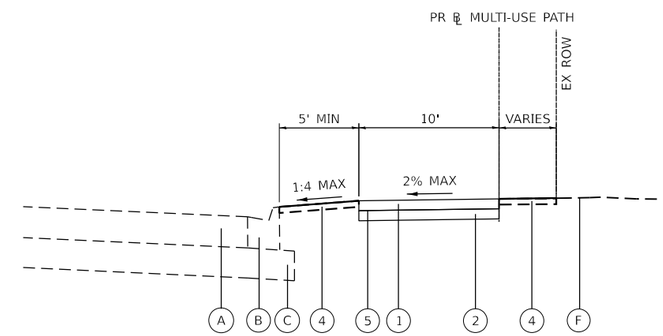
PROPOSED TYPICAL SECTION

CHURCH STREET TO ONTARIOVILLE ROAD
STA. 11+66.27 TO STA. 35+74.62



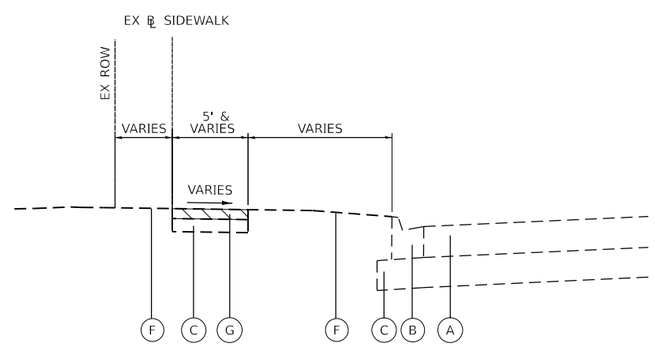
EXISTING TYPICAL SECTION

GREENBROOK BLVD TO BARTELS ROAD
STA. 54+12.82 TO STA. 57+07.05
STA. 65+68.58 TO STA. 70+48.35



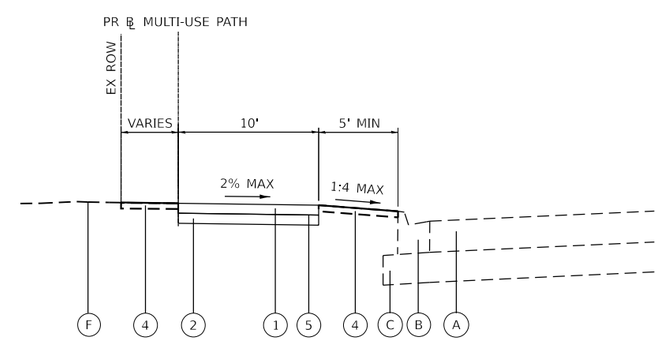
PROPOSED TYPICAL SECTION

GREENBROOK BLVD TO BARTELS ROAD
STA. 54+12.82 TO STA. 57+07.05
STA. 65+68.58 TO STA. 70+48.35



EXISTING TYPICAL SECTION

BARTELS ROAD TO TURNBERRY DRIVE
STA. 74+45.38 TO STA. 88+33.96



PROPOSED TYPICAL SECTION

BARTELS ROAD TO TURNBERRY DRIVE
STA. 74+45.38 TO STA. 88+33.96

MODEL: Typical sections [Sheet]
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HRGreen.com
Illinois Professional Design Firm # 184-001322

USER NAME = benjamin.belgrave	DESIGNED - JJS	REVISED - XX/XX/XXXX	
	DRAWN - XX	REVISED - XX/XX/XXXX	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	10
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

	PrCL_widening			EARTHWORK BALANCE WASTE () OR SHORTAGE (-) WITH 15% SHRINKAGE
STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	STAGE 1
54+12.82				0.0
54+50.00	4.3	6.6	2.3	3.3
55+00.00	8.9	24.5	2.0	18.8
55+50.00	10.2	35.1	0.6	29.3
56+00.00	11.5	31.6	0.9	26.0
56+50.00	11.9	28.9	1.4	23.2
57+00.00	11.1	25.9	1.7	20.3
57+07.04	1.5	3.3	0.2	2.6
TOTALS	59.3	156.0	9.0	123.6

	PrCL_widening-1			EARTHWORK BALANCE WASTE () OR SHORTAGE (-) WITH 15% SHRINKAGE
STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	STAGE 1
65+68.58				0.0
66+00.00	4.5	3.8	2.9	0.3
66+50.00	9.2	6.3	4.3	1.0
67+00.00	11.3	10.1	3.6	5.0
67+50.00	12.7	18.1	2.7	12.7
68+00.00	15.4	18.7	4.6	11.3
68+50.00	15.6	7.1	7.3	-1.3
69+00.00	14.5	4.1	4.2	-0.7
69+50.00	12.0	4.0	2.9	0.5
70+00.00	6.2	0.1	8.9	-8.7
70+47.80	7.1	0.0	6.1	-6.1
TOTALS	108.5	72.2	47.4	14.0

	PrCL_widening-2			EARTHWORK BALANCE WASTE () OR SHORTAGE (-) WITH 15% SHRINKAGE
STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	STAGE 1
74+45.38				0.0
74+50.00	1.6	0.5	0.4	0.0
75+00.00	23.8	8.2	13.5	-6.5
75+50.00	29.3	5.3	12.1	-7.6
75+89.51	22.2	2.2	1.7	0.2
TOTALS	77.0	16.3	27.8	-13.9

	PrCL_widening-3			EARTHWORK BALANCE WASTE () OR SHORTAGE (-) WITH 15% SHRINKAGE
STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	STAGE 1
76+69.47				0.0
77+00.00	16.6	13.6	2.1	9.4
77+50.00	27.2	23.3	15.0	4.8
78+00.00	29.6	20.2	12.3	4.9
78+50.00	36.3	38.1	0.9	31.5
79+00.00	35.9	57.8	0.7	48.4
79+50.00	35.5	67.1	0.6	56.4
80+00.00	35.1	76.3	0.5	64.4
80+50.00	34.6	71.9	0.4	60.6
81+00.00	34.0	49.8	0.8	41.5
81+50.00	28.6	24.1	6.3	14.2
82+00.00	28.3	13.2	6.6	4.6
82+50.00	33.6	18.8	1.2	14.8
83+00.00	34.4	24.8	0.6	20.5
83+50.00	34.5	28.8	0.4	24.1
84+00.00	34.5	25.0	0.5	20.8
84+50.00	34.2	14.2	0.8	11.2
85+00.00	34.1	14.5	0.9	11.4
85+50.00	34.2	17.7	0.8	14.2
86+00.00	33.3	14.8	1.6	11.0
86+50.00	33.8	16.9	1.4	13.0
86+93.46	27.7	18.0	0.9	14.4
TOTALS	675.9	649.0	55.5	496.2

	PrCL_widening-4			EARTHWORK BALANCE WASTE () OR SHORTAGE (-) WITH 15% SHRINKAGE
STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	STAGE 1
88+11.91				0.0
88+33.70	1.8	6.2	11.3	-6.1
TOTALS	1.8	6.2	11.3	-6.1

		CROSS SECTION BASED					
CODE	DESCRIPTION	PrCL_widening	PrCL_widening-1	PrCL_widening-2	PrCL_widening-3	PrCL_widening-4	TOTAL
20200100	EARTH EXCAVATION	156.0	72.2	16.3	649.0	6.2	899.6
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	59.3	108.5	77.0	675.9	1.8	922.7
20400800	FURNISHED EXCAVATION	0.0	0.0	13.9	0.0	6.1	20.0

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FILE NAME: \\hrgreen.com\hrg\Data\2019\191491\CAD\Sheets\191491-sht-schedule.dgn

HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = benjamin.belgrave	DESIGNED - JJS	REVISED - XX/XX/XXXX	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - BJB	REVISED - XX/XX/XXXX	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

LAKE STREET MULTI-USE PATH
SCHEDULE OF QUANTITIES - EARTH WORK

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	11
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

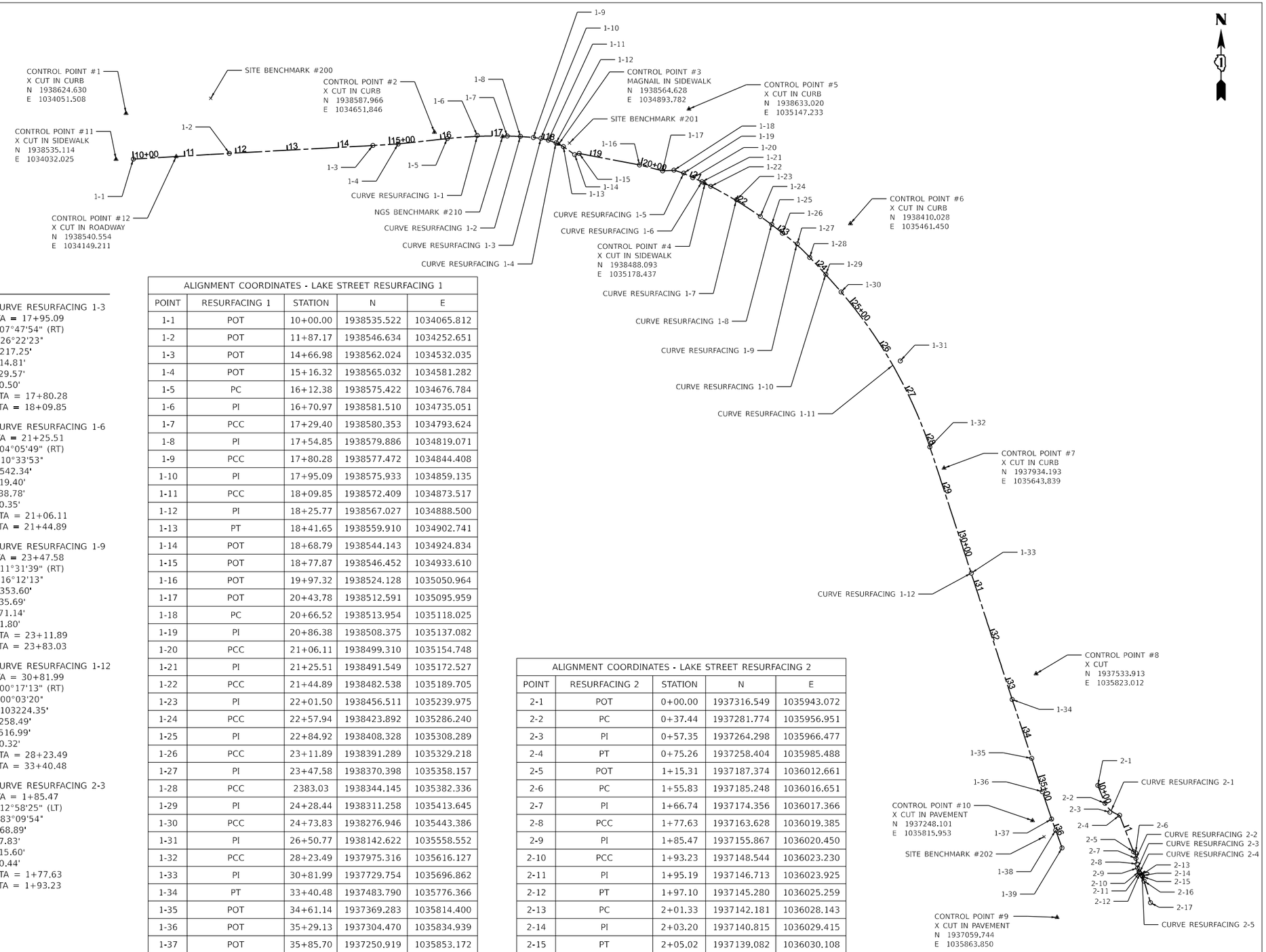
BENCHMARKS

SITE BENCHMARK #200
CHISELED SQUARE IN SW
CORNER OF DOUBLE TRAFFIC
SIGNAL HANDHOLE.
NAVD 88 ELEV = 811.30

SITE BENCHMARK #201
CHISELED SQUARE IN SE
CORNER OF DOUBLE TRAFFIC
SIGNAL HANDHOLE.
NAVD 88 ELEV = 800.34

NGS BENCHMARK #210
DISK IN TOP OF WALL.
NAVD 88 ELEV = 805.18

SITE BENCHMARK #202
CHISELED SQUARE IN N
SIDE OF DOUBLE TRAFFIC
SIGNAL HANDHOLE.
NAVD 88 ELEV = 800.64



CURVE DATA

PR CURVE RESURFACING 1-1
PI STA = 16+70.97
Δ = 07°05'43" (RT)
D = 06°03'48"
R = 944.94'
T = 58.58'
L = 117.02'
E = 1.81'
PC STA = 16+12.38
PT STA = 17+29.40

PR CURVE RESURFACING 1-2
PI STA = 17+54.85
Δ = 04°23'20" (RT)
D = 08°37'35"
R = 664.20'
T = 25.45'
L = 50.88'
E = 0.49'
PC STA = 17+29.40
PT STA = 17+80.28

PR CURVE RESURFACING 1-3
PI STA = 17+95.09
Δ = 07°47'54" (RT)
D = 26°22'23"
R = 217.25'
T = 14.81'
L = 29.57'
E = 0.50'
PC STA = 17+80.28
PT STA = 18+09.85

PR CURVE RESURFACING 1-4
PI STA = 18+25.77
Δ = 06°47'39" (RT)
D = 21°21'49"
R = 268.19'
T = 15.92'
L = 31.80'
E = 0.47'
PC STA = 18+09.85
PT STA = 18+41.65

PR CURVE RESURFACING 1-5
PI STA = 20+86.38
Δ = 10°50'37" (RT)
D = 27°23'12"
R = 209.21'
T = 19.86'
L = 39.59'
E = 0.94'
PC STA = 20+66.52
PT STA = 21+06.11

PR CURVE RESURFACING 1-6
PI STA = 21+25.51
Δ = 04°05'49" (RT)
D = 10°33'53"
R = 542.34'
T = 19.40'
L = 38.78'
E = 0.35'
PC STA = 21+06.11
PT STA = 21+44.89

PR CURVE RESURFACING 1-7
PI STA = 22+01.50
Δ = 07°48'50" (RT)
D = 06°54'45"
R = 828.87'
T = 56.61'
L = 113.04'
E = 1.93'
PC STA = 21+44.89
PT STA = 22+57.94

PR CURVE RESURFACING 1-8
PI STA = 22+84.92
Δ = 03°55'52" (RT)
D = 07°17'10"
R = 786.37'
T = 26.99'
L = 53.96'
E = 0.46'
PC STA = 22+57.94
PT STA = 23+11.89

PR CURVE RESURFACING 1-9
PI STA = 23+47.58
Δ = 11°31'39" (RT)
D = 16°12'13"
R = 353.60'
T = 35.69'
L = 71.14'
E = 1.80'
PC STA = 23+11.89
PT STA = 23+83.03

PR CURVE RESURFACING 1-10
PI STA = 24+28.44
Δ = 02°40'29" (RT)
D = 02°56'44"
R = 1945.10'
T = 45.41'
L = 90.80'
E = 0.53'
PC STA = 23+83.03
PT STA = 24+73.83

PR CURVE RESURFACING 1-11
PI STA = 26+50.77
Δ = 21°37'09" (RT)
D = 06°10'58"
R = 926.69'
T = 176.94'
L = 349.66'
E = 16.74'
PC STA = 24+73.83
PT STA = 28+23.49

PR CURVE RESURFACING 1-12
PI STA = 30+81.99
Δ = 00°17'13" (RT)
D = 00°03'20"
R = 103224.35'
T = 258.49'
L = 516.99'
E = 0.32'
PC STA = 28+23.49
PT STA = 33+40.48

PR CURVE RESURFACING 2-1
PI STA = 0+57.35
Δ = 44°11'04" (LT)
D = 116°50'36"
R = 49.04'
T = 19.90'
L = 37.82'
E = 3.89'
PC STA = 0+37.44
PT STA = 0+75.26

PR CURVE RESURFACING 2-2
PI STA = 1+66.74
Δ = 06°54'09" (LT)
D = 31°39'20"
R = 181.00'
T = 10.92'
L = 21.81'
E = 0.33'
PC STA = 1+55.83
PT STA = 1+77.63

PR CURVE RESURFACING 2-3
PI STA = 1+85.47
Δ = 12°58'25" (LT)
D = 83°09'54"
R = 68.89'
T = 7.83'
L = 15.60'
E = 0.44'
PC STA = 1+77.63
PT STA = 1+93.23

PR CURVE RESURFACING 2-4
PI STA = 1+95.19
Δ = 22°09'32" (LT)
D = 212°57'28"
R = 10.00'
T = 1.96'
L = 3.87'
E = 0.19'
PC STA = 1+93.23
PT STA = 1+97.10

PR CURVE RESURFACING 2-5
PI STA = 2+03.20
Δ = 21°08'37" (RT)
D = 212°57'28"
R = 10.00'
T = 1.87'
L = 3.69'
E = 0.17'
PC STA = 2+01.33
PT STA = 2+05.02

ALIGNMENT COORDINATES - LAKE STREET RESURFACING 1

POINT	RESURFACING 1	STATION	N	E
1-1	POT	10+00.00	1938535.522	1034065.812
1-2	POT	11+87.17	1938546.634	1034252.651
1-3	POT	14+66.98	1938562.024	1034532.035
1-4	POT	15+16.32	1938565.032	1034581.282
1-5	PC	16+12.38	1938575.422	1034676.784
1-6	PI	16+70.97	1938581.510	1034735.051
1-7	PCC	17+29.40	1938580.353	1034793.624
1-8	PI	17+54.85	1938579.886	1034819.071
1-9	PCC	17+80.28	1938577.472	1034844.408
1-10	PI	17+95.09	1938575.933	1034859.135
1-11	PCC	18+09.85	1938572.409	1034873.517
1-12	PI	18+25.77	1938567.027	1034888.500
1-13	PT	18+41.65	1938559.910	1034902.741
1-14	POT	18+68.79	1938544.143	1034924.834
1-15	POT	18+77.87	1938546.452	1034933.610
1-16	POT	19+97.32	1938524.128	1035050.964
1-17	POT	20+43.78	1938512.591	1035095.959
1-18	PC	20+66.52	1938513.954	1035118.025
1-19	PI	20+86.38	1938508.375	1035137.082
1-20	PCC	21+06.11	1938499.310	1035154.748
1-21	PI	21+25.51	1938491.549	1035172.527
1-22	PCC	21+44.89	1938482.538	1035189.705
1-23	PI	22+01.50	1938456.511	1035239.975
1-24	PCC	22+57.94	1938423.892	1035286.240
1-25	PI	22+84.92	1938408.328	1035308.289
1-26	PCC	23+11.89	1938391.289	1035329.218
1-27	PI	23+47.58	1938370.398	1035358.157
1-28	PCC	2383.03	1938344.145	1035382.336
1-29	PI	24+28.44	1938311.258	1035413.645
1-30	PCC	24+73.83	1938276.946	1035443.386
1-31	PI	26+50.77	1938142.622	1035558.552
1-32	PCC	28+23.49	1937975.316	1035616.127
1-33	PI	30+81.99	1937729.754	1035696.862
1-34	PT	33+40.48	1937483.790	1035776.366
1-35	POT	34+61.14	1937369.283	1035814.400
1-36	POT	35+29.13	1937304.470	1035834.939
1-37	POT	35+85.70	1937250.919	1035853.172
1-38	POT	36+08.79	1937229.203	1035861.021
1-39	POT	36+45.29	1937194.879	1035873.427

ALIGNMENT COORDINATES - LAKE STREET RESURFACING 2

POINT	RESURFACING 2	STATION	N	E
2-1	POT	0+00.00	1937316.549	1035943.072
2-2	PC	0+37.44	1937281.774	1035956.951
2-3	PI	0+57.35	1937264.298	1035966.477
2-4	PT	0+75.26	1937258.404	1035985.488
2-5	POT	1+15.31	1937187.374	1036012.661
2-6	PC	1+55.83	1937185.248	1036016.651
2-7	PI	1+66.74	1937174.356	1036017.366
2-8	PCC	1+77.63	1937163.628	1036019.385
2-9	PI	1+85.47	1937155.867	1036020.450
2-10	PCC	1+93.23	1937148.544	1036023.230
2-11	PI	1+95.19	1937146.713	1036023.925
2-12	PT	1+97.10	1937145.280	1036025.259
2-13	PC	2+01.33	1937142.181	1036028.143
2-14	PI	2+03.20	1937140.815	1036029.415
2-15	PT	2+05.02	1937139.082	1036030.108
2-16	POT	2+14.44	1937130.235	1036033.195
2-17	POT	2+58.12	1937088.331	1036045.542

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PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

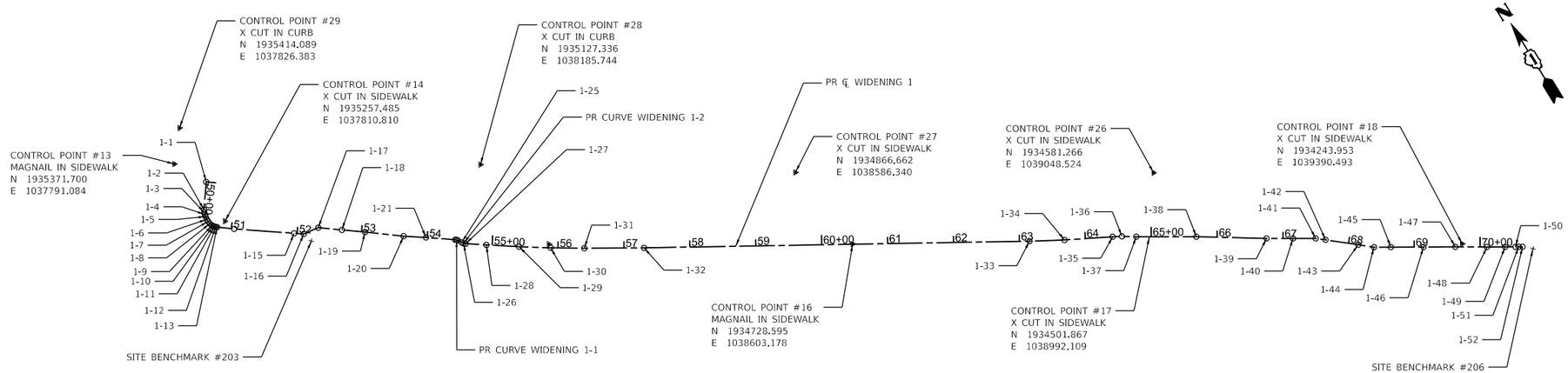
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

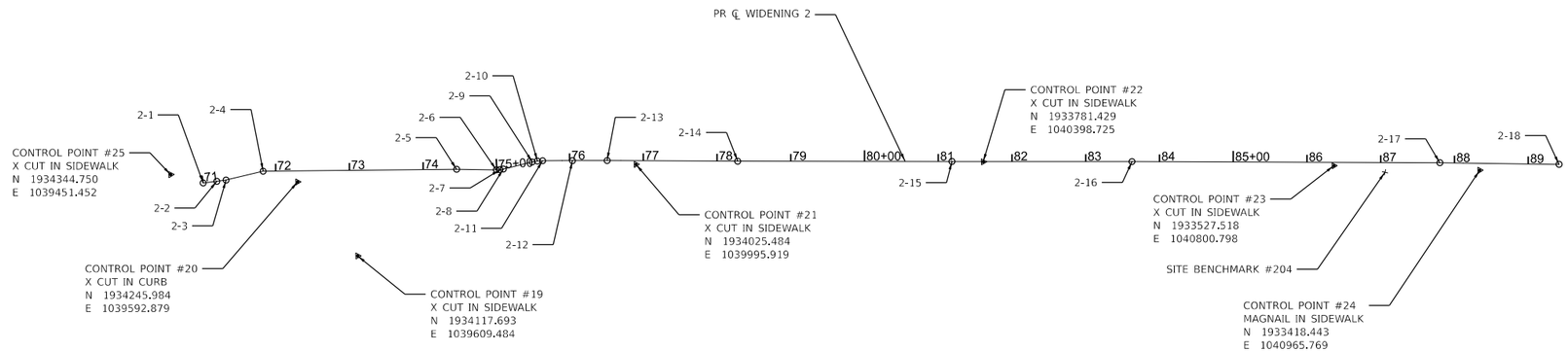
LAKE STREET MULTI-USE PATH
ALIGNMENT, TIES AND BENCHMARKS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	12
		CONTRACT NO. 61L35		
		ILLINOIS FED. AID PROJECT		

ALIGNMENT COORDINATES - LAKE STREET WIDENING 1				
POINT	WIDENING 1	STATION	N	E
1-1	POT	50+00.00	1935323.181	1037817.866
1-2	POT	50+42.27	1935289.130	1037792.815
1-3	POT	50+46.55	1935285.239	1037791.047
1-4	POT	50+49.75	1935282.176	1037790.606
1-5	POT	50+53.08	1935278.909	1037789.461
1-6	POT	50+57.83	1935274.207	1037788.828
1-7	POT	50+61.41	1935270.626	1037788.849
1-8	POT	50+65.65	1935266.420	1037789.430
1-9	POT	50+69.73	1935262.496	1037790.546
1-10	POT	50+71.91	1935260.641	1037791.684
1-11	POT	50+73.99	1935258.962	1037792.911
1-12	POT	50+76.04	1935257.456	1037794.307
1-13	POT	50+78.12	1935256.104	1037795.888
1-14	POT	51+04.25	1935240.221	1037816.626
1-15	POT	51+95344	1935186.812	1037890.548
1-16	POT	52+10.03	1935178.330	1037902.421
1-17	POT	52+33.97	1935174.951	1037926.119
1-18	POT	52+70.01	1935153.166	1037954.823
1-19	POT	53+05.27	1935132.002	1037983.035
1-20	POT	53+64.15	1935096.004	1038029.622
1-21	POT	53+98.05	1935076.555	1038057.385
1-22	PC	54+42.50	1935050.441	1038093.360
1-23	PI	54+44.62	1935049.218	1038095.085
1-24	PT	54+46.67	1935047.401	1038096.168
1-25	PC	54+53.39	1935041.730	1038099.559
1-26	PI	54+56.64	1935038.927	1038101.186
1-27	PT	54+59.78	1935037.058	1038103.834
1-28	POT	54+91.15	1935018.940	1038129.448
1-29	POT	55+04.83	1934990.546	1038170.219
1-30	POT	55+88.78	1934964.073	1038210.194
1-31	POT	56+39.87	1934936.671	1038253.312
1-32	POT	57+30.41	1934889.697	1038330.711
1-33	POT	63+15.23	1934591.618	1038833.866
1-34	POT	63+68.36	1934565.271	1038880.004
1-35	POT	64+41.66	1934531.092	1038944.854
1-36	POT	64+55.69	1934524.335	1038957.139
1-37	POT	64+77.48	1934512.306	1038975.314
1-38	POT	65+68.58	1934464.581	1039052.911
1-39	POT	66+75.10	1934406.496	1039142.204
1-40	POT	67+15.17	1934385.482	1039176.321
1-41	POT	67+49.56	1934367.505	1039205.633
1-42	POT	67+64.69	1934357.745	1039217.192
1-43	POT	68+14.86	1934325.434	1039255.574
1-44	POT	68+39.00	1934309.712	1039273.902
1-45	POT	68+64.70	1934296.235	1039295.775
1-46	POT	69+14.17	1934270.523	1039338.041
1-47	POT	69+62.52	1934245.343	1039379.324
1-48	POT	70+10.51	1934220.057	1039420.102
1-49	POT	70+37.99	1934205.699	1039443.541
1-50	POT	70+53.69	1934197.439	1039456.883
1-51	POT	70+58.77	1934195.030	1039461.362
1-52	POT	70+64.46	1934192.011	1039466.180





ALIGNMENT COORDINATES - LAKE STREET WIDENING 2				
POINT	WIDENING 2	STATION	N	E
2-1	POT	71+00.00	1934311.896	1039482.983
2-2	POT	71+18.75	1934304.166	1039500.070
2-3	POT	71+31.35	1934298.973	1039511.549
2-4	POT	71+83.05	1934282.829	1039560.658
2-5	POT	74+45.38	1934147.422	1039785.341
2-6	POT	74+99.33	1934118.472	1039830.869
2-7	POT	75+04.09	1934116.223	1039835.066
2-8	POT	75+08.86	1934114.488	1039839.501
2-9	POT	75+49.27	1934102.032	1039877.949
2-10	POT	75+56.32	1934099.469	1039884.517
2-11	POT	75+63.37	1934096.152	1039890.740
2-12	POT	76+03.88	1934075.026	1039925.298
2-13	POT	76+50.89	1934050.469	1039965.390
2-14	POT	78+28.00	1933956.798	1040115.695
2-15	POT	81+18.51	1933804.104	1040362.840
2-16	POT	83+62.70	1933675.869	1040570.648
2-17	POT	87+80.09	1933455.612	1040925.200
2-18	POT	89+41.80	1933368.936	1041061.717

BENCHMARKS

SITE BENCHMARK #203
CHISELED X IN NE CORNER
OF TRAFFIC SIGNAL
CONTROLLER PAD.
NAVD 88 ELEV = 783.39

SITE BENCHMARK #204
CHISELED X IN NE CORNER
OF TRAFFIC SIGNAL
HANDHOLE.
NAVD 88 ELEV = 785.29

SITE BENCHMARK #206
CHISELED X IN NW CORNER
OF DOUBLE TRAFFIC SIGNAL
HANDHOLE.
NAVD 88 ELEV = 789.91

CURVE DATA

PR CURVE WIDENING 1-1
PI STA = 54+44.62
Δ = 23°53'02" (RT)
D = 212°57'28"
R = 10.00'
T = 2.11'
L = 4.17'
E = 0.22'
PC STA = 54+42.50
PT STA = 54+46.67

PR CURVE WIDENING 1-2
PI STA = 54+56.64
Δ = 24°40'29" (LT)
D = 26°36'35"
R = 14.82'
T = 3.24'
L = 6.38'
E = 0.35'

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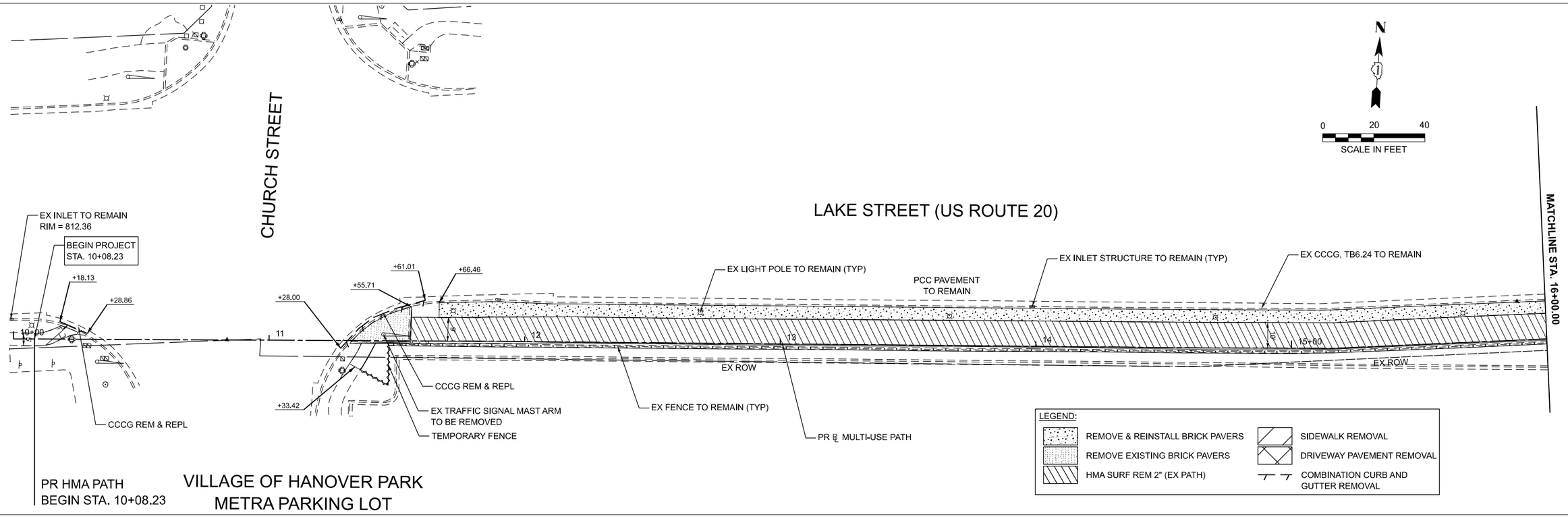
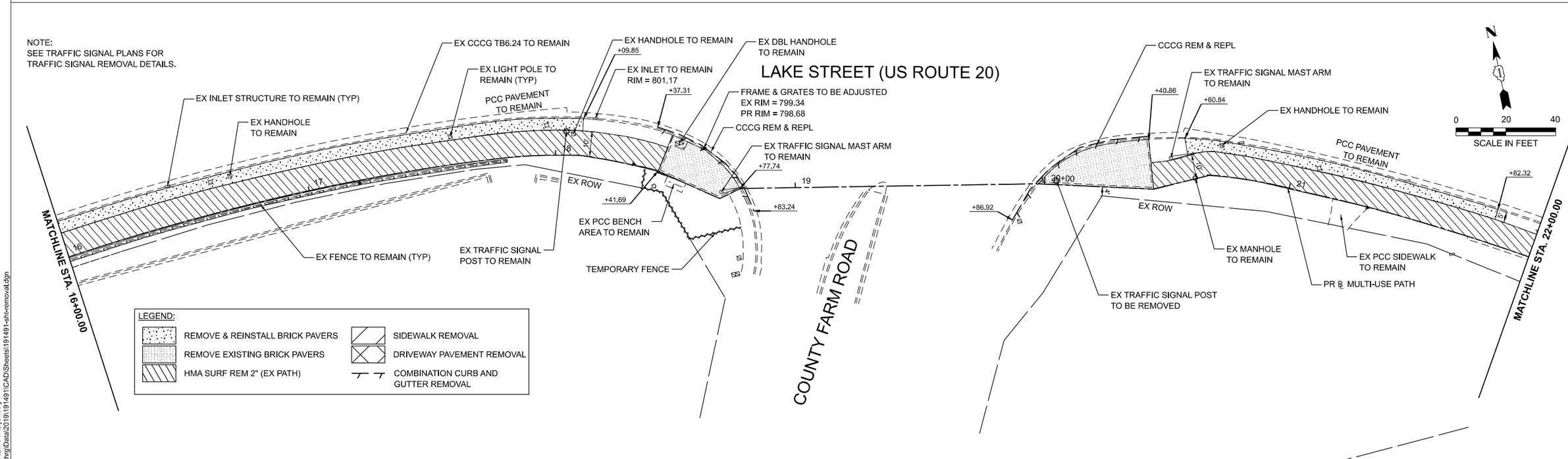
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
ALIGNMENT, TIES AND BENCHMARKS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	13
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	





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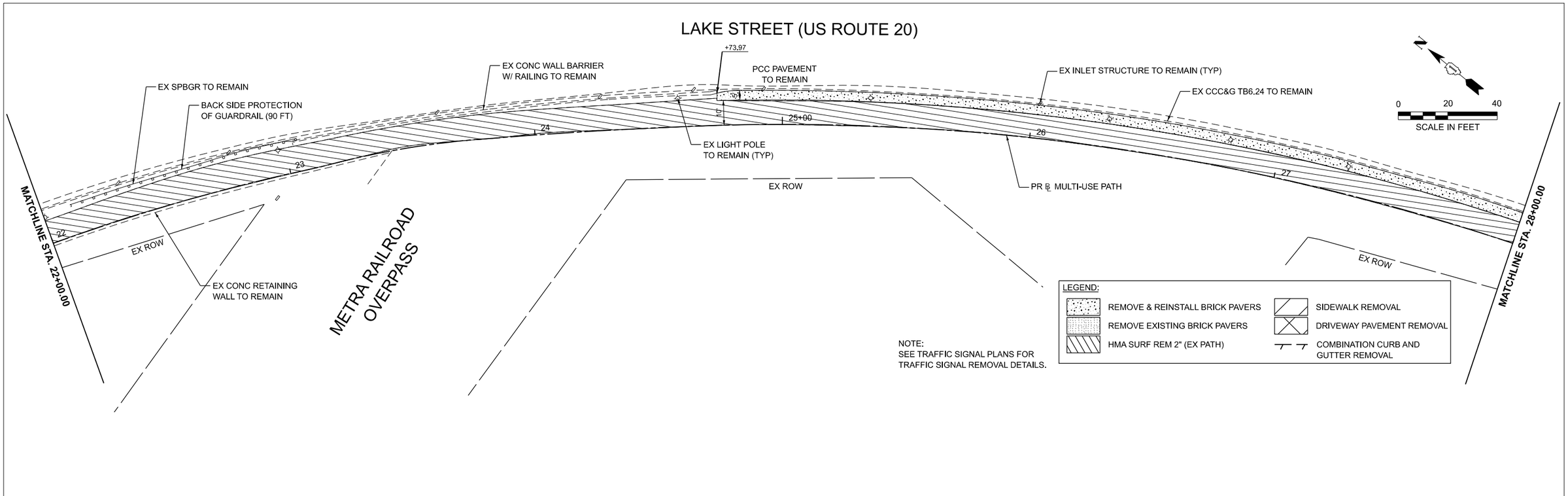
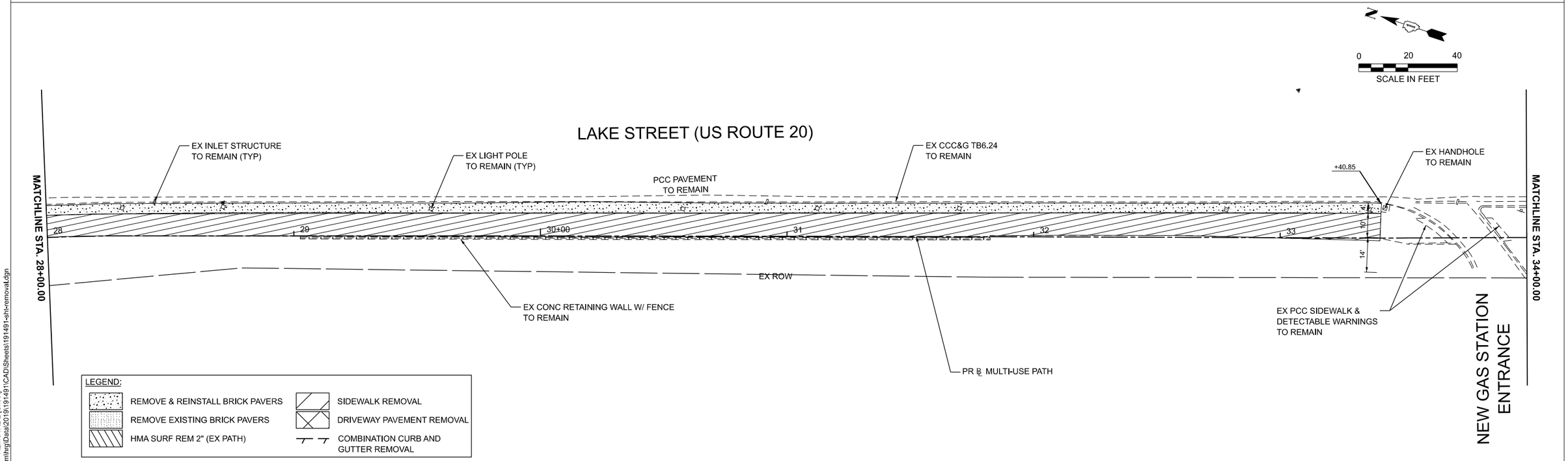
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX			
PLOT DATE = 7/21/2025	DATE - 7/21/2025	REVISED - XX/XX/XXXX		SCALE: 1"=20' SHEET 1 OF 7 SHEETS STA. 10+00.00 TO STA. 22+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	14
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	





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	DRAWN - XX	REVISED - XX/XX/XXXX	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 7/21/2025	REVISED - XX/XX/XXXX	

LAKE STREET MULTI-USE PATH
REMOVAL PLANS

SCALE: 1"=20' | SHEET 2 OF 7 SHEETS | STA. 22+00.00 TO STA. 34+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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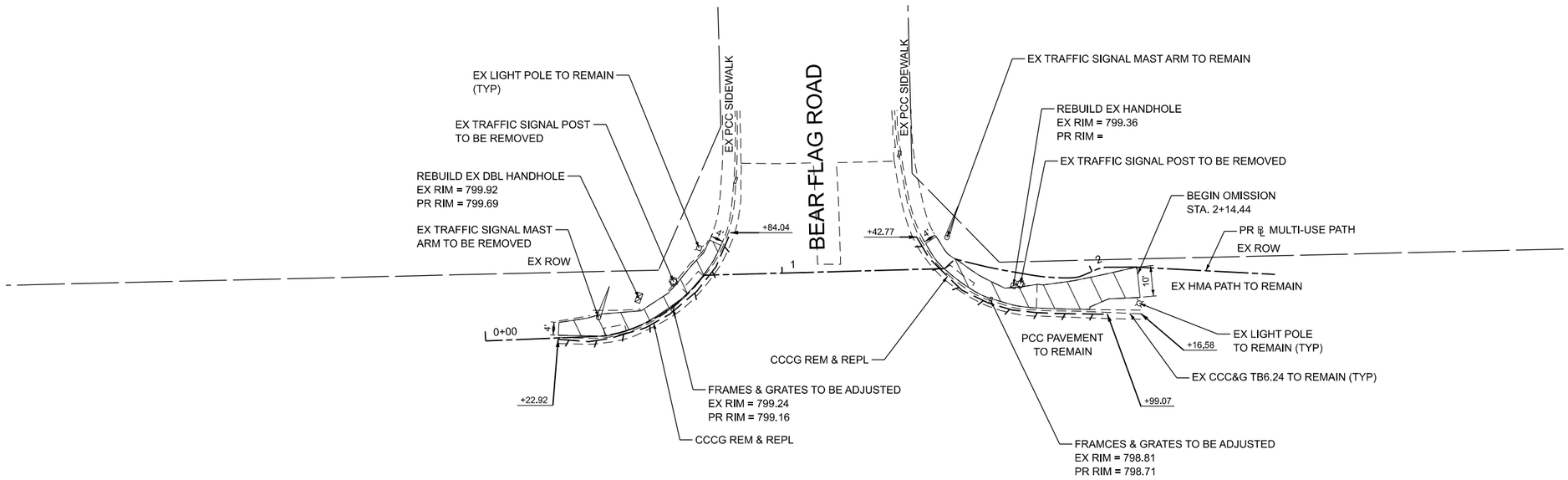
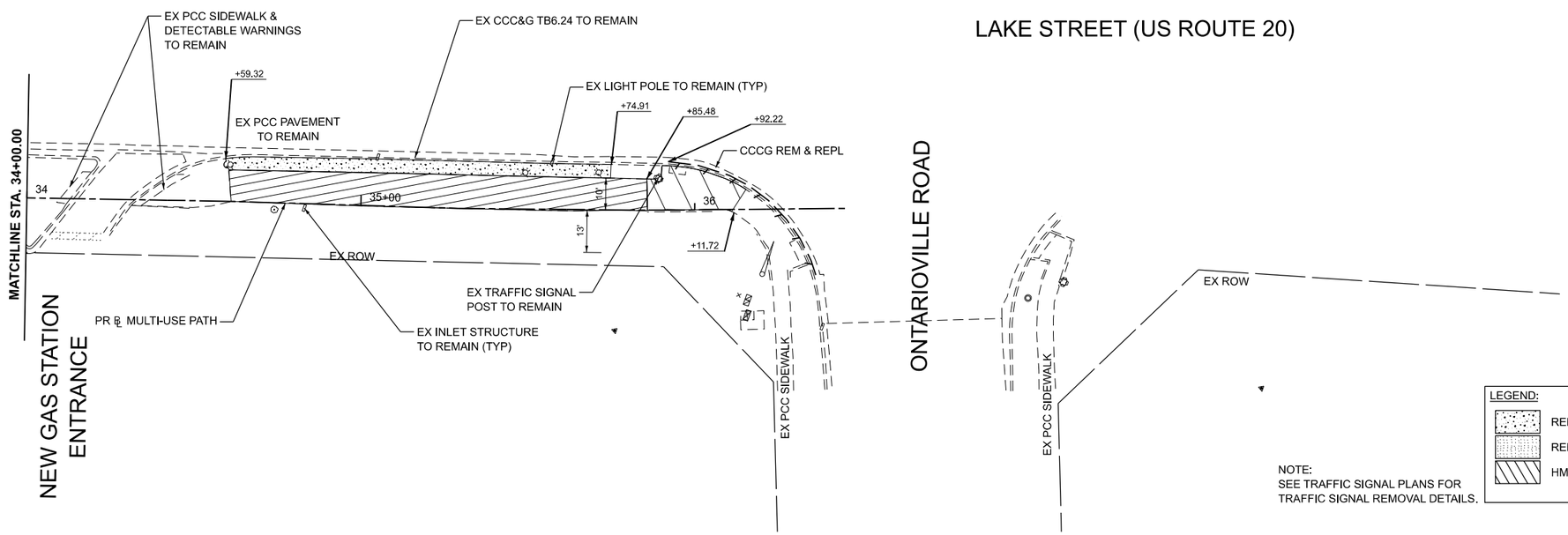
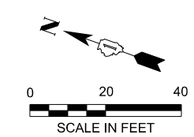
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



LEGEND:

- REMOVE & REINSTA
- REMOVE EXISTING
- HMA SURF REM 2" (





NOTE:
SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVAL DETAILS.

LEGEND:

- REMOVE & REINSTALL BRICK PAVERS
- REMOVE EXISTING BRICK PAVERS
- HMA SURF REM 2" (EX PATH)
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL

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PLOT DATE = 7/21/2025	DATE - 10/2/2024	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
REMOVAL PLANS

SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 34+00.00 TO STA. 40+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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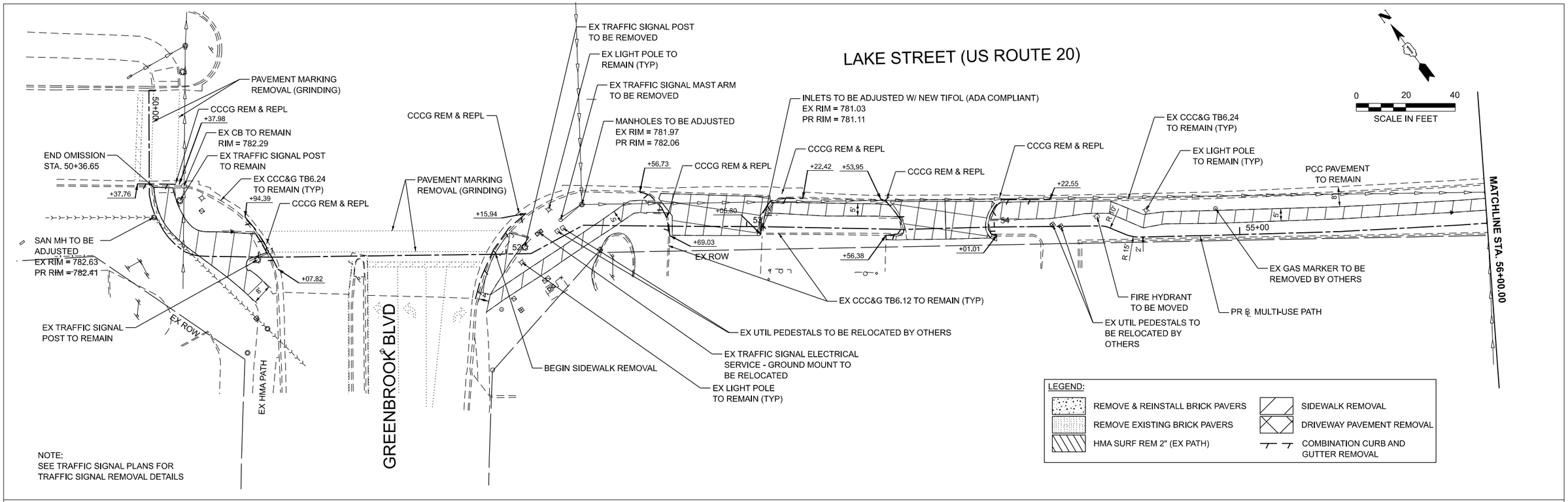
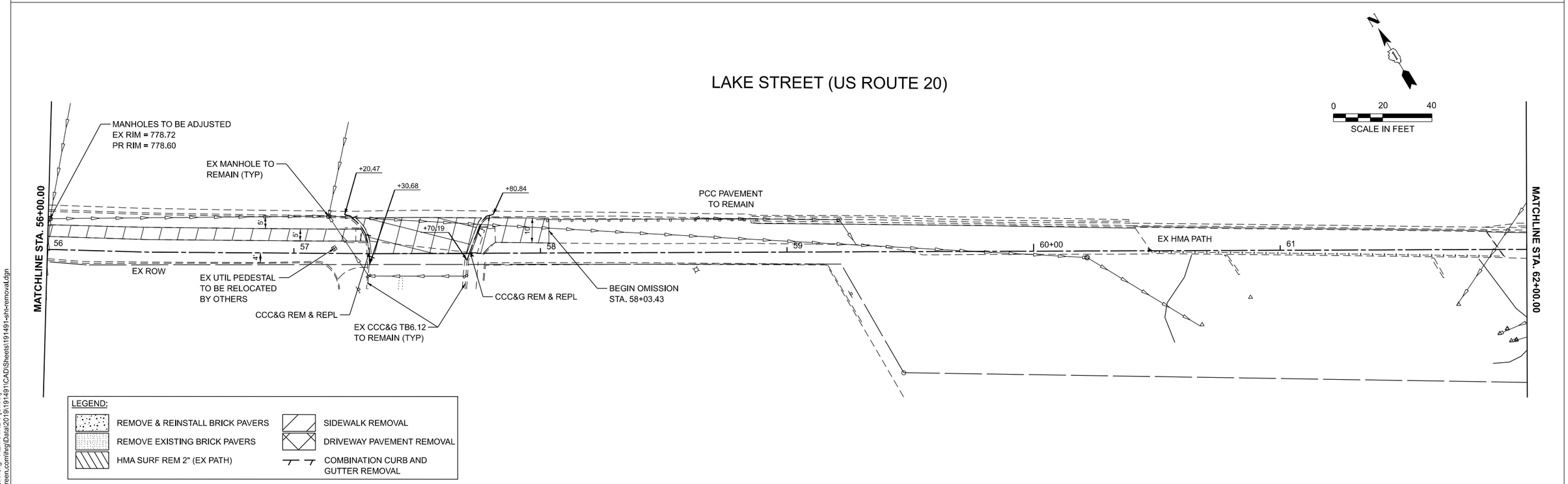
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	





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PLOT DATE = 7/21/2025	DATE - 7/21/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
REMOVAL PLANS

SCALE: 1"=20' | SHEET 4 OF 7 SHEETS | STA. 50+00.00 TO STA. 62+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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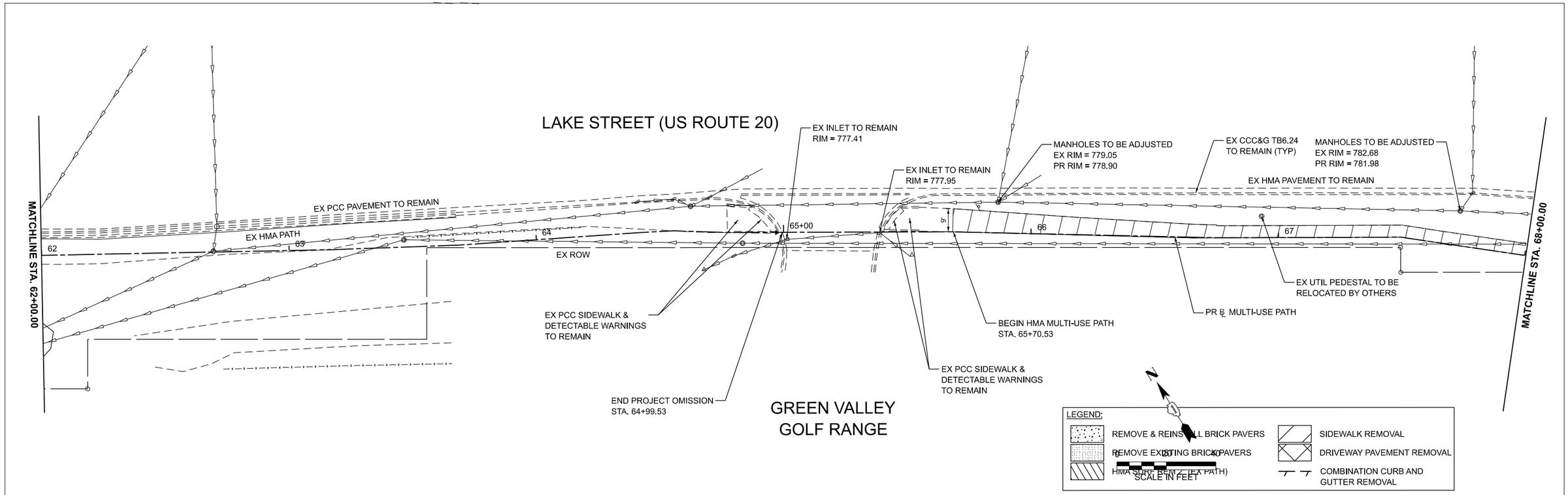
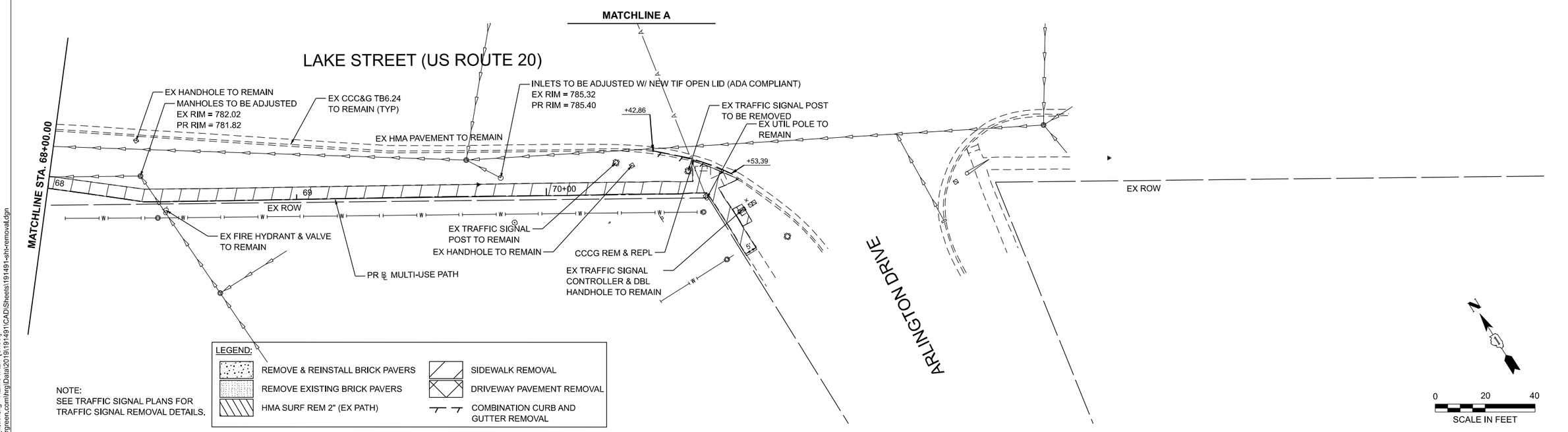
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	





NOTE:
SEE TRAFFIC SIGNAL PLANS FOR
TRAFFIC SIGNAL REMOVAL DETAILS.

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	DRAWN - XX	REVISED - XX/XX/XXXX			
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX			
PLOT DATE = 7/21/2025	DATE - 7/21/2025	REVISED - XX/XX/XXXX		SCALE: 1"=20' SHEET 5 OF 7 SHEETS STA. 62+00.00 TO STA. 74+00.00	

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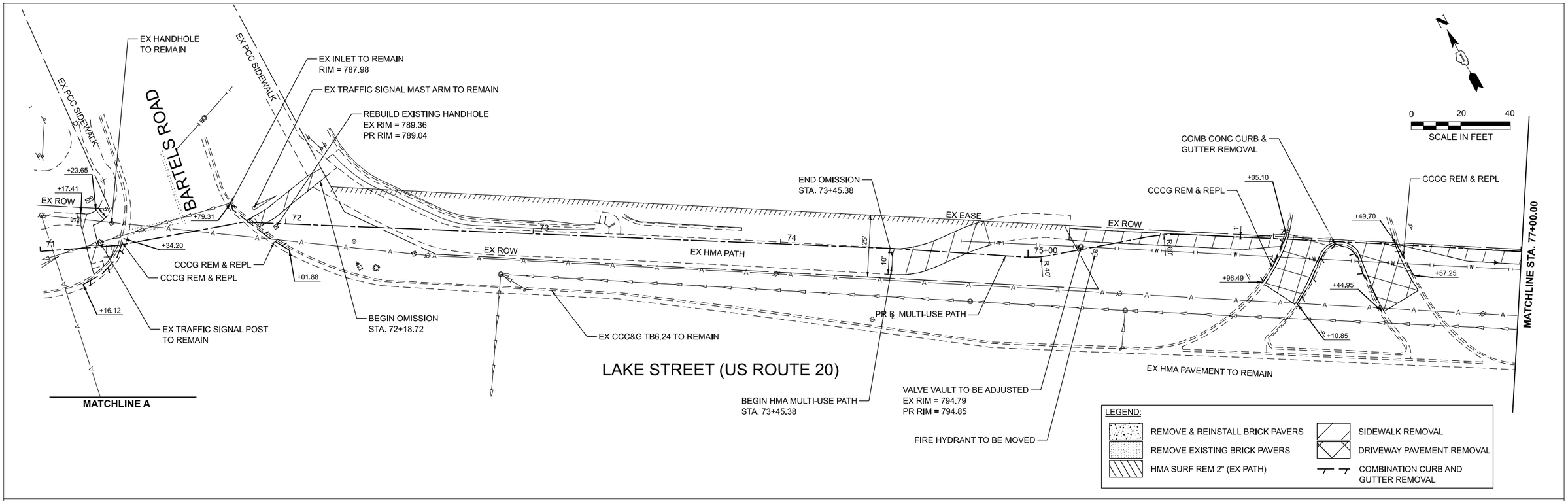
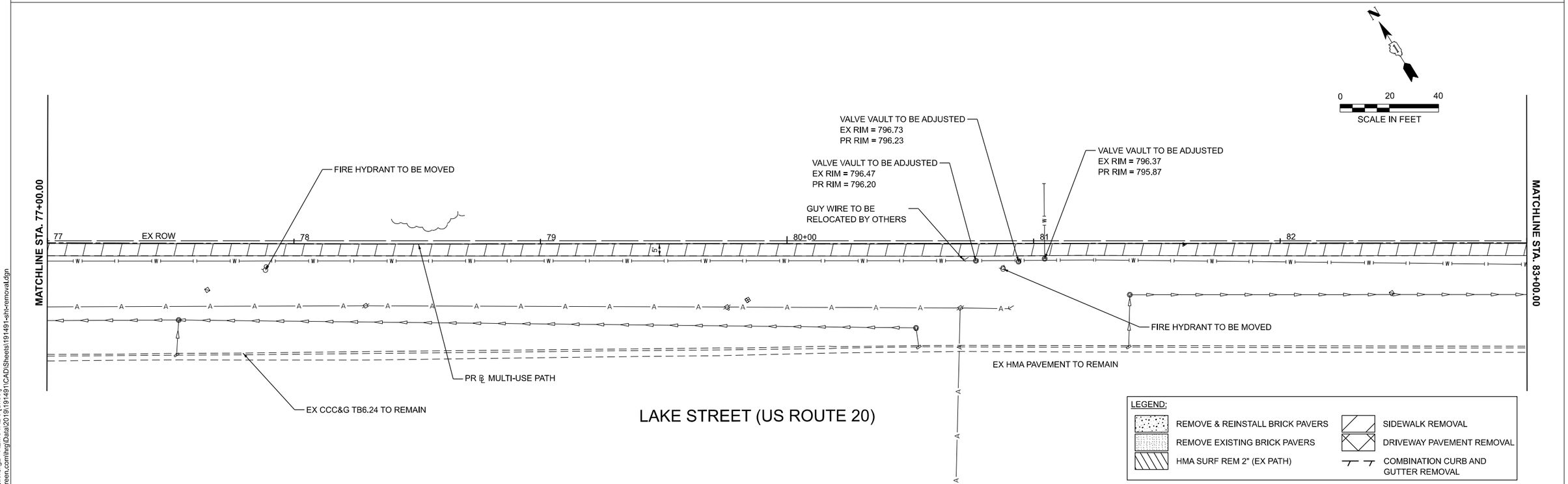
		ILLINOIS	FED. AID PROJECT	





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	DRAWN - XX	REVISED - XX/XX/XXXX			
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PLOT DATE = 7/21/2025	DATE - 7/21/2025	REVISED - XX/XX/XXXX		SCALE: 1"=20'	SHEET 6 OF 7 SHEETS STA. 71+00.00 TO STA. 83+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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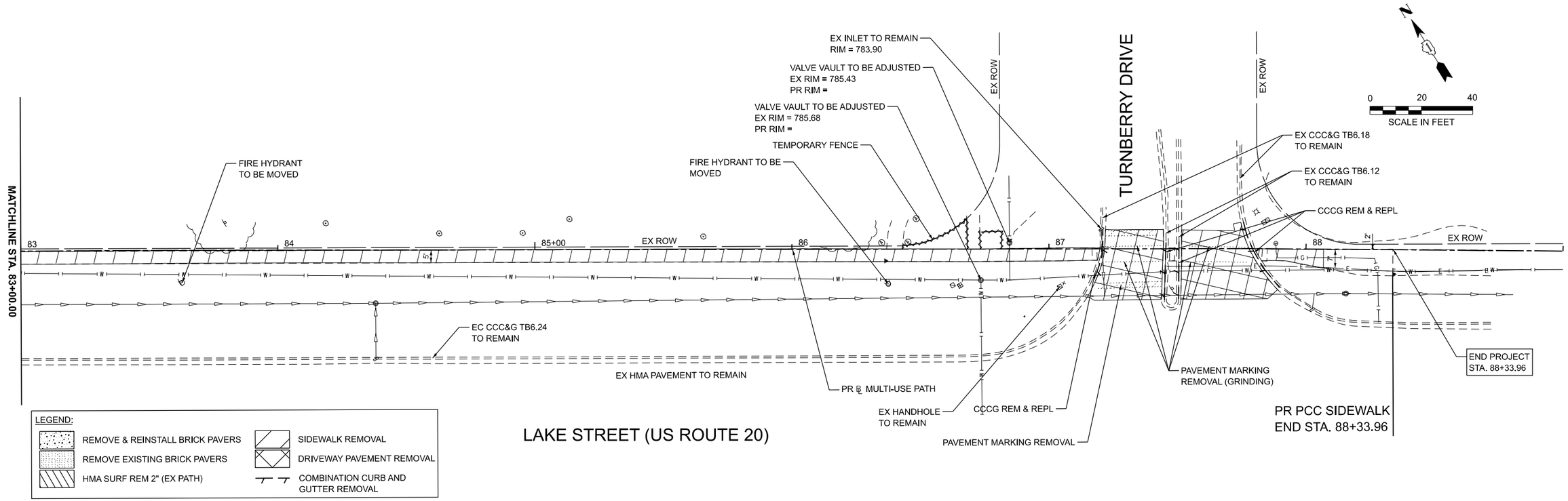
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



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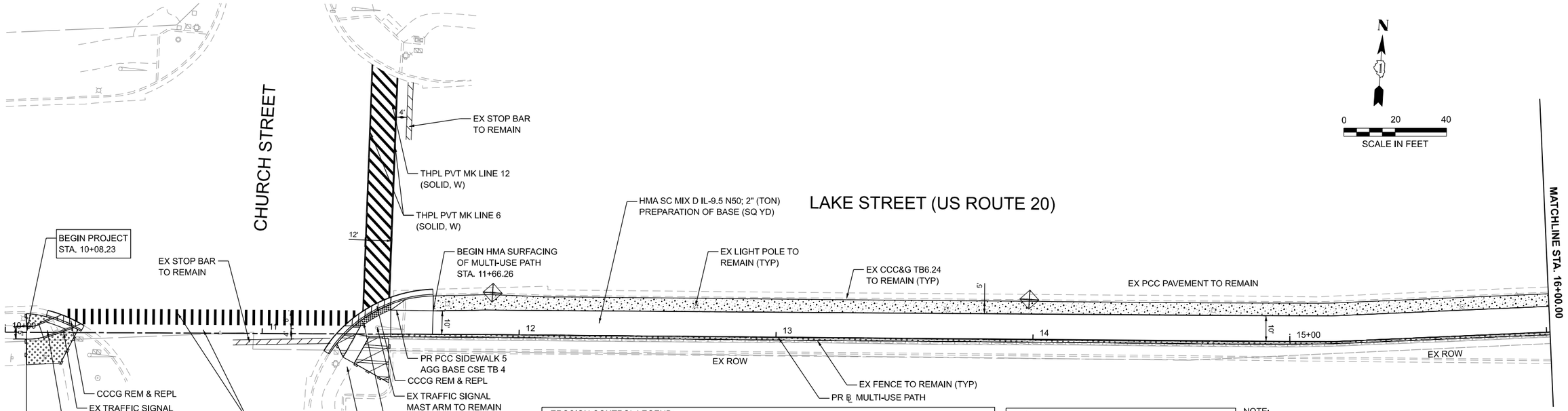
	DRAWN - XX	REVISED - XX/XX/XXXX			0345	24-00078-00-BT	COOK/DUPAGE	116	20
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED - XX/XX/XXXX					CONTRACT NO. 61L35		
PLOT DATE = 7/21/2025	DATE - 7/21/2025	REVISED - XX/XX/XXXX		SCALE: 1"=20' SHEET 7 OF 7 SHEETS STA. 83+00.00 TO STA. 89+00.00		ILLINOIS	FED. AID PROJECT		



EROSION CONTROL LEGEND:

- PERIMETER EROSION BARRIER (FT)
- TEMPORARY EROSION CONTROL (POUND)
- TOPSOIL FURNISH AND PLACEMENT, 4" (SQ YD)
- SEEDING, CLASS 2A (ACRE)
- INLET FILTER (EACH)
- LANDSCAPE RESTORATION WITH PERENNIAL PLANTS
- MULCH PLACEMENT, 2"

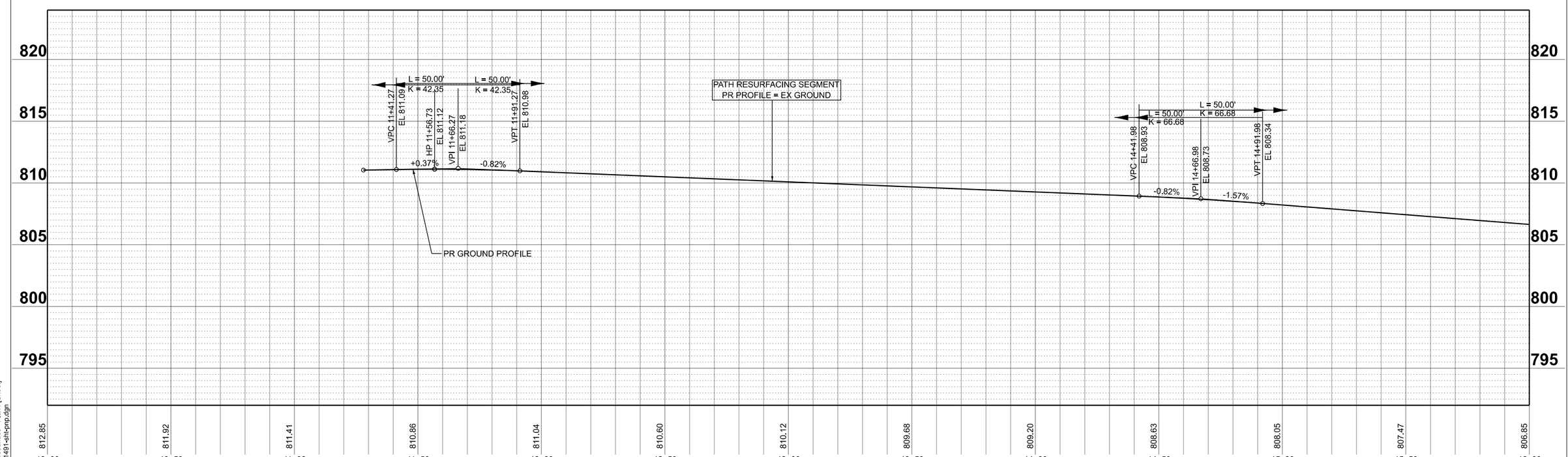
LEGEND:

- REMOVE & REINSTALL BRICK PAVERS
- CURB DEPRESSION
- DETECTABLE WARNINGS

NOTE:
FOR PR ADA RAMPS ELEVATION PLEASE SEE ADA DETAILS

FOR PR TRAFFIC SIGNAL MODIFICATIONS PLEASE SEE TRAFFIC SIGNAL PLANS.

FOR PERENNIAL PLANT LAYOUT AND SCHEDULE PLEASE SEE CONSTRUCTION DETAILS. (LAYOUT 1)



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FILE NAME: 191491-sht-pnp.dgn

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PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 1 OF 13 SHEETS | STA. 10+00.00 TO STA. 16+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	21
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

EROSION CONTROL LEGEND:

- PERIMETER EROSION BARRIER (FT)
- TEMPORARY EROSION CONTROL (POUND)
- TOPSOIL FURNISH AND PLACEMENT, 4" (SQ YD)
- SEEDING, CLASS 2A (ACRE)
- INLET FILTER (EACH)
- LANDSCAPE RESTORATION WITH PERENNIAL PLANTS
- MULCH PLACEMENT, 2"

NOTE:
FOR PERENNIAL PLANT LAYOUT AND SCHEDULE PLEASE SEE CONSTRUCTION DETAILS. (LAYOUT 2)

0 20 40
SCALE IN FEET

N

LAKE STREET (US ROUTE 20)

MATCHLINE STA. 16+00.00

EX CCC&G TB6.24 TO REMAIN (TYP)

EX LIGHT POLE TO REMAIN (TYP)

END HMA SURFACING OF MULTI-USE PATH STA. 18+09.85

EX METAL FENCE TO REMAIN (TYP)

HMA SC MIX D IL-9.5 N50; 2" (TON) PREPARATION OF BASE (SQ YD)

PR PCC SIDEWALK 5 AGG BASE CSE TB 4

PR DETECTABLE WARNING (TYP)

EX TRAFFIC SIGNAL MAST ARM TO REMAIN

EX PCC SIDEWALK TO REMAIN

CCCG REM & REPL

EX ROW

16 17 18 19 20+00 21

10' 12' 4'

COUNTY FARM ROAD

EX STOP BAR TO REMAIN

THPL PVT MK LINE 12 (SOLID, W)

THPL PVT MK LINE 6 (SOLID, W)

CCCG REM & REPL

PR PCC SIDEWALK 5 AGG BASE CSE TB 4

EX TRAFFIC SIGNAL MAST ARM TO REMAIN

EX PCC PAVEMENT TO REMAIN

EX TRAFFIC SIGNAL POST TO REMAIN

PR DETECTABLE WARNING (TYP)

BEGIN HMA SURFACING OF MULTI-USE PATH STA. 20+59.88

PR ℄ MULTI-USE PATH

HMA SC MIX D IL-9.5 N50; 2" (TON) PREPARATION OF BASE (SQ YD)

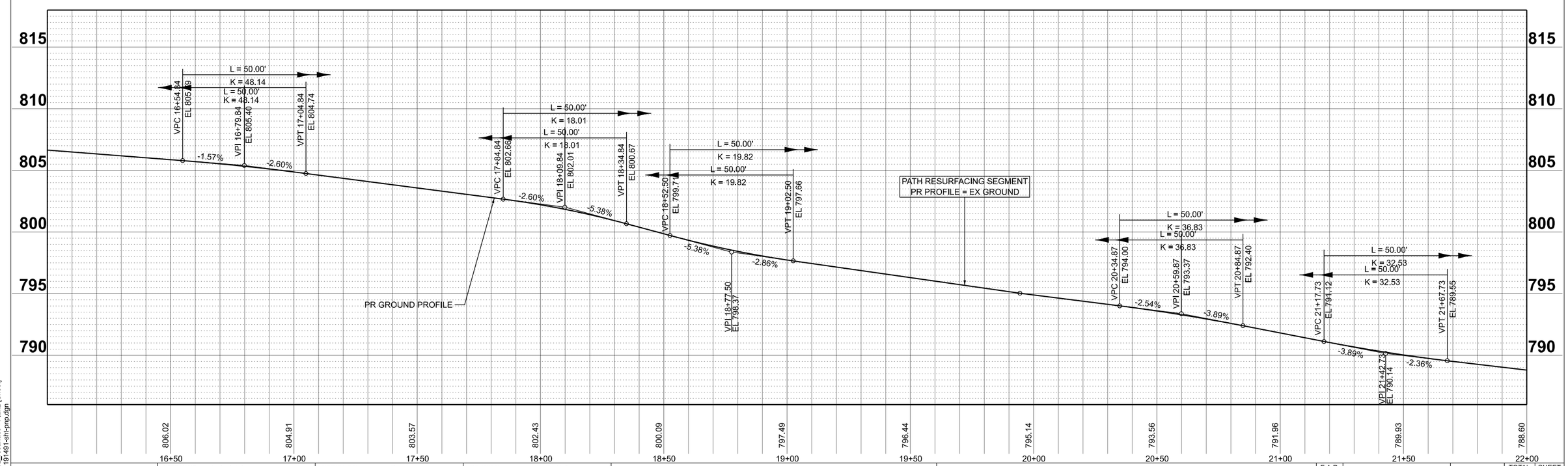
MATCHLINE STA. 22+00.00

LEGEND:

- REMOVE & REINSTALL BRICK PAVERS
- CURB DEPRESSION
- DETECTABLE WARNINGS

NOTE:
FOR PR ADA RAMPS ELEVATION PLEASE SEE ADA DETAILS

FOR PR TRAFFIC SIGNAL MODIFICATIONS PLEASE SEE TRAFFIC SIGNAL PLANS.



MODEL: PrC_resurface - Plan2 [Sheet]
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PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

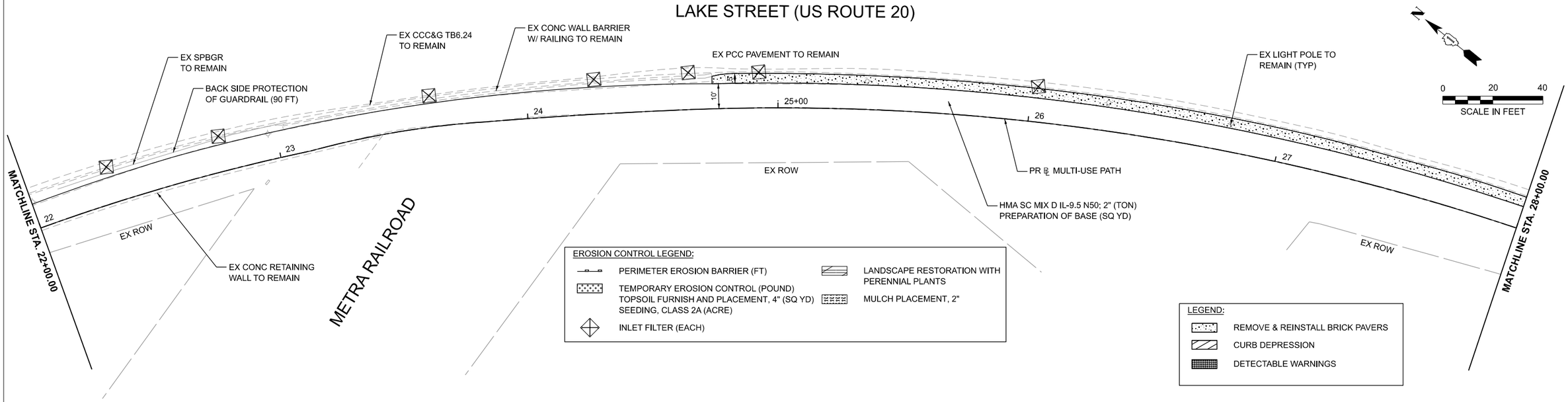
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

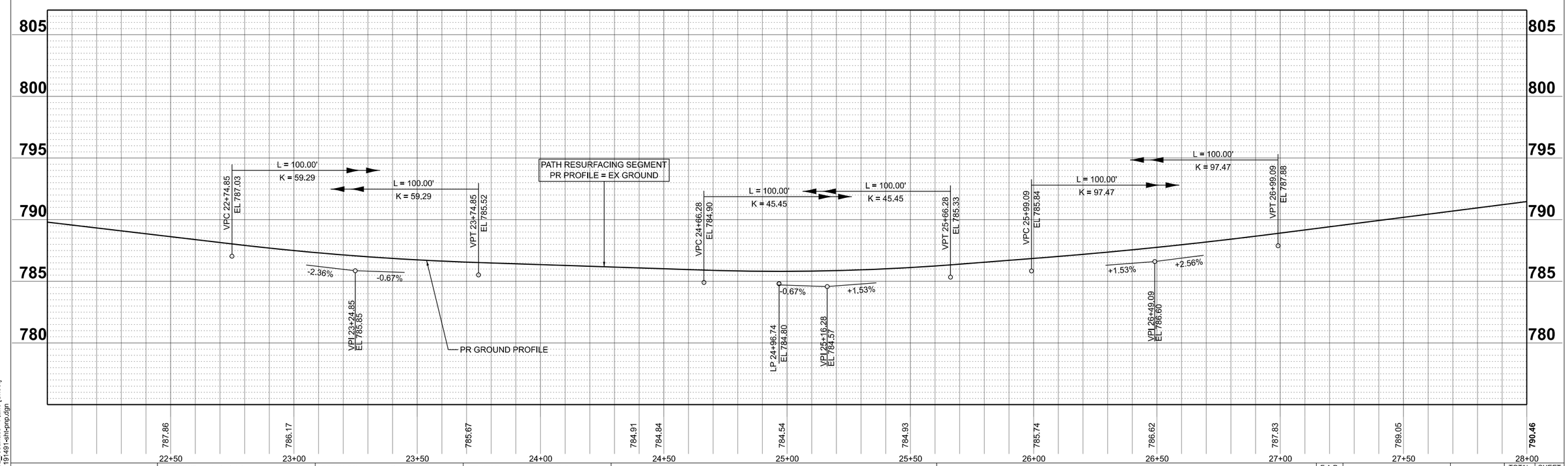
LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 2 OF 13 SHEETS | STA. 16+00.00 TO STA. 22+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	22
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

LAKE STREET (US ROUTE 20)





MODEL: PrC_resurface - Plan3 [Sheet]
FILE NAME: 191491-sht-pnp.dgn

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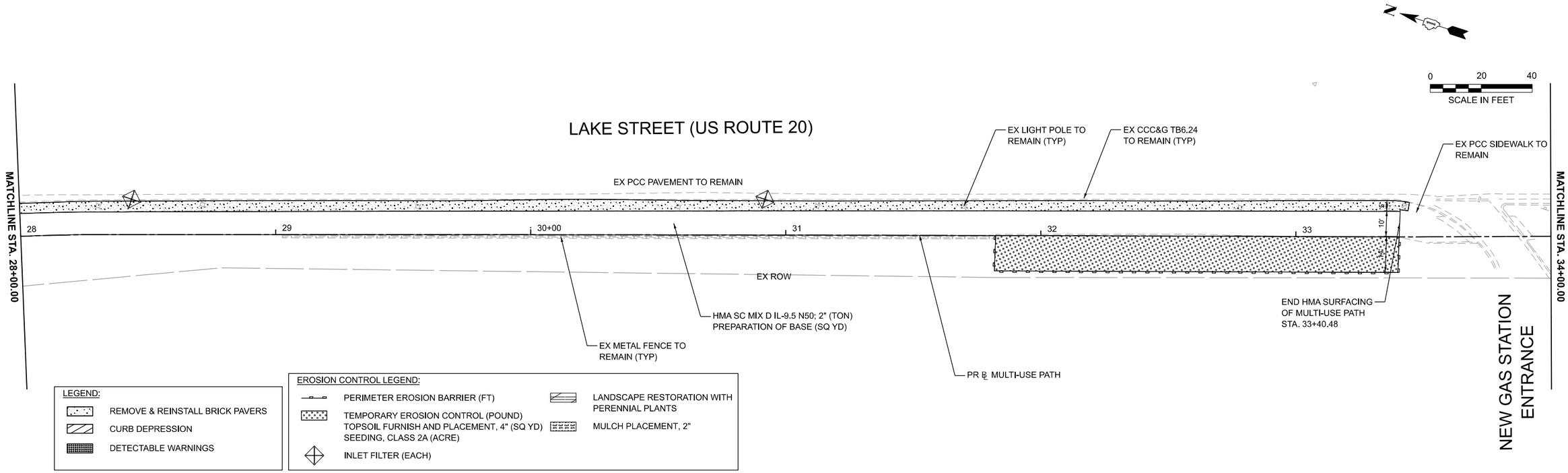
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

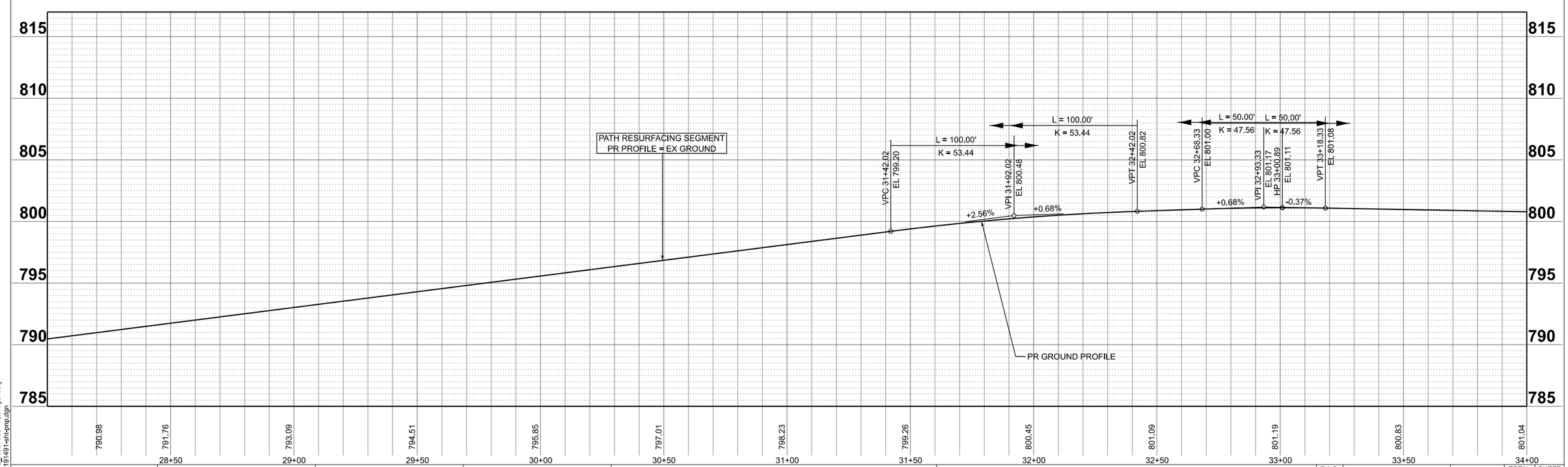
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 3 OF 13 SHEETS | STA. 22+00.00 TO STA. 28+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	23
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	





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FILE NAME: 191491-sht-pnp.dgn

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	DRAWN - XX	REVISED - XX/XX/XXXX	
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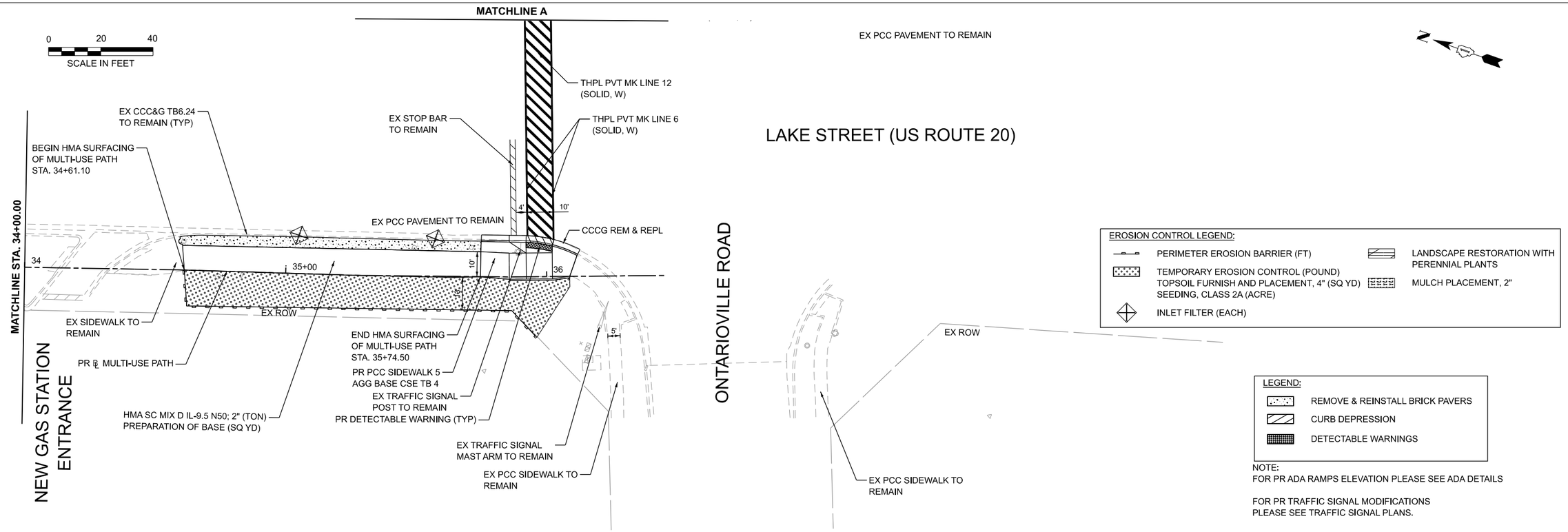
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

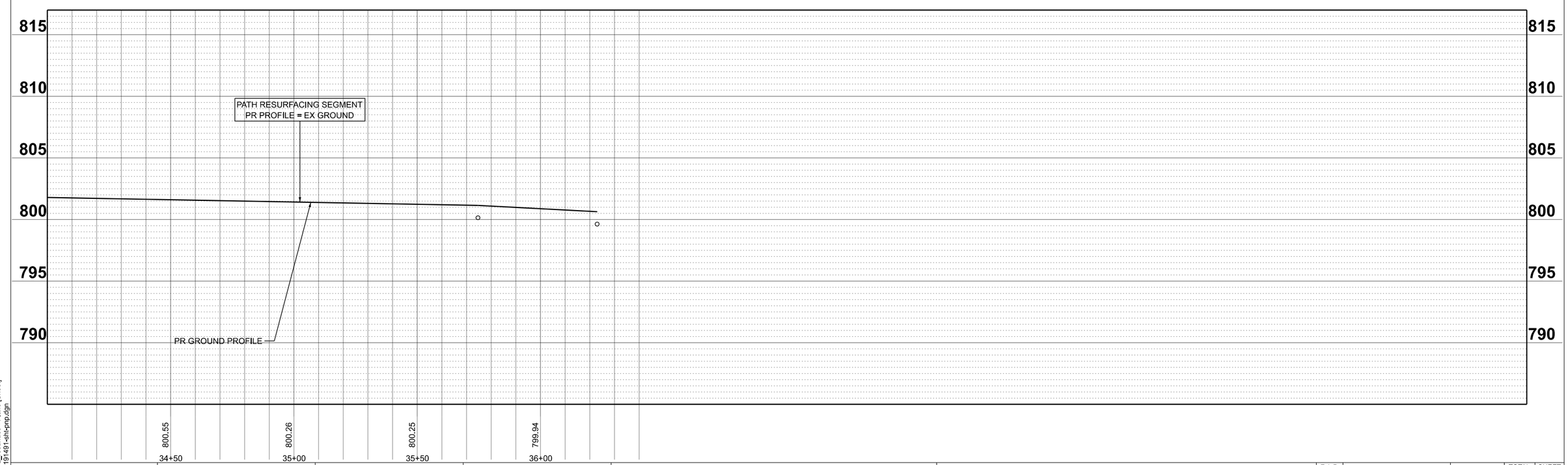
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 4 OF 13 SHEETS | STA. 28+00.00 TO STA. 34+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	24
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	





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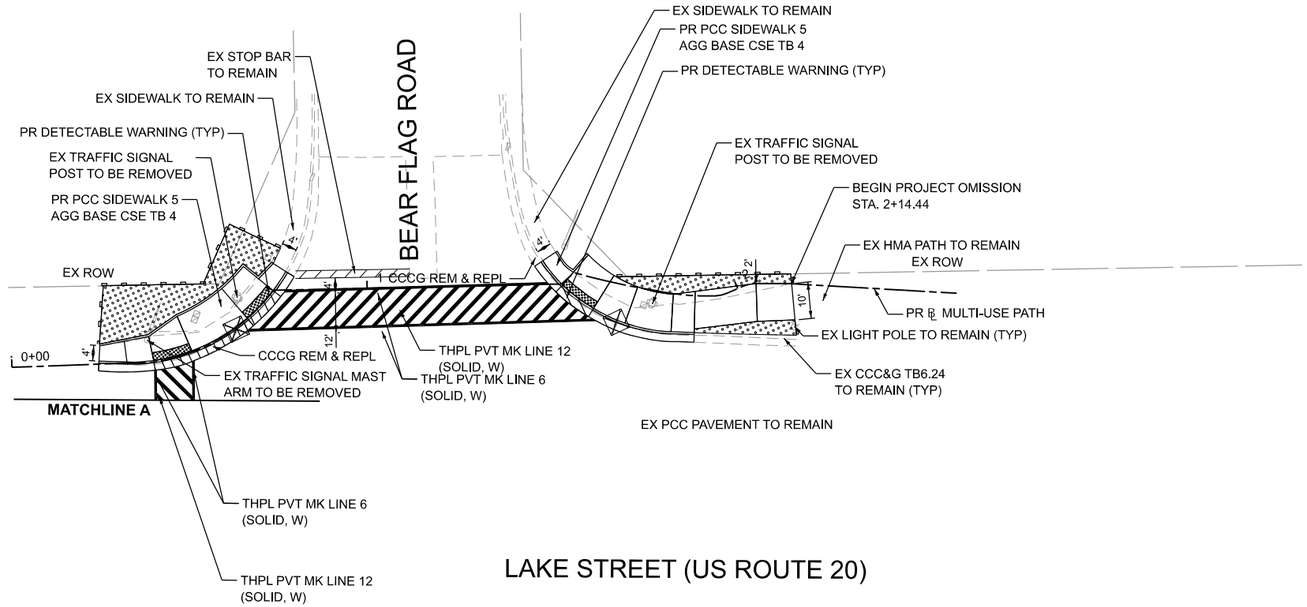
	DRAWN - XX	REVISED - XX/XX/XXXX	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

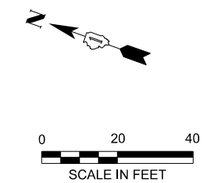
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 5 OF 13 SHEETS | STA. 34+00.00 TO STA. 40+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	25
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	





EROSION CONTROL LEGEND:

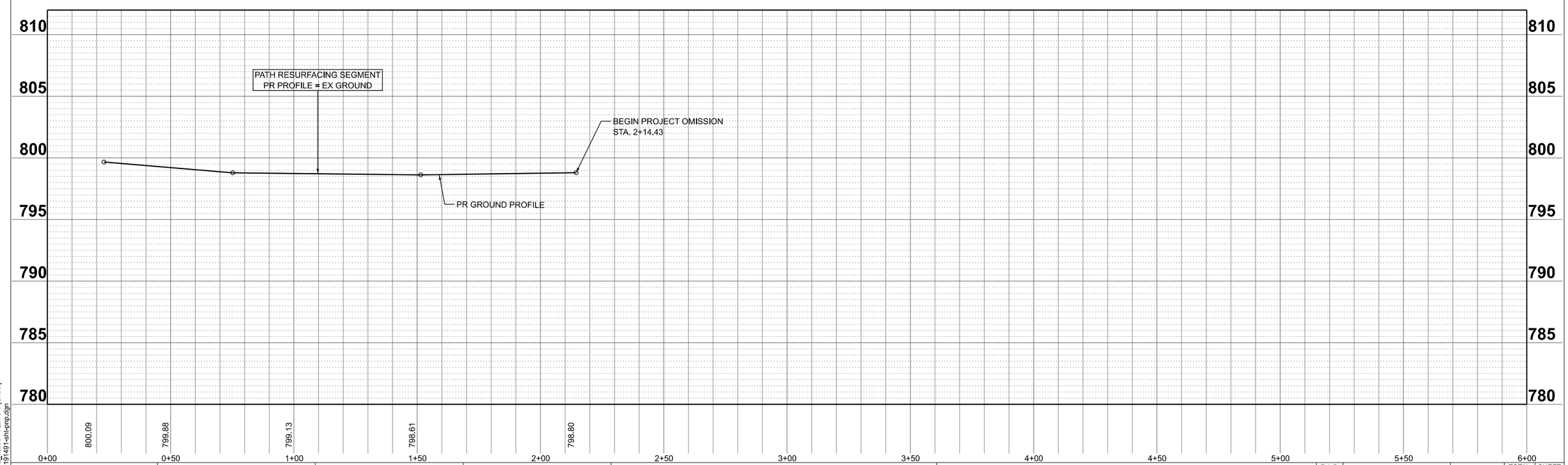
- PERIMETER EROSION BARRIER (FT)
- TEMPORARY EROSION CONTROL (POUND)
- TOPSOIL FURNISH AND PLACEMENT, 4" (SQ YD)
- SEEDING, CLASS 2A (ACRE)
- INLET FILTER (EACH)
- LANDSCAPE RESTORATION WITH PERENNIAL PLANTS
- MULCH PLACEMENT, 2"

LEGEND:

- REMOVE & REINSTALL BRICK PAVERS
- CURB DEPRESSION
- DETECTABLE WARNINGS

NOTE:
FOR PR ADA RAMPS ELEVATION PLEASE SEE ADA DETAILS

FOR PR TRAFFIC SIGNAL MODIFICATIONS
PLEASE SEE TRAFFIC SIGNAL PLANS.



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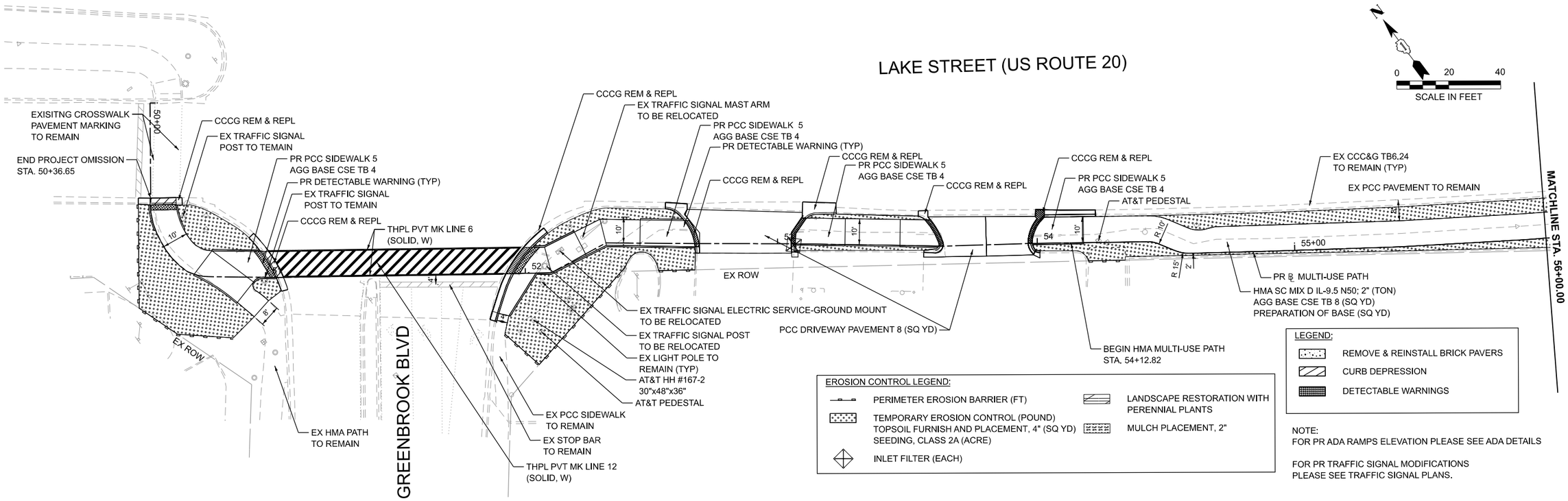
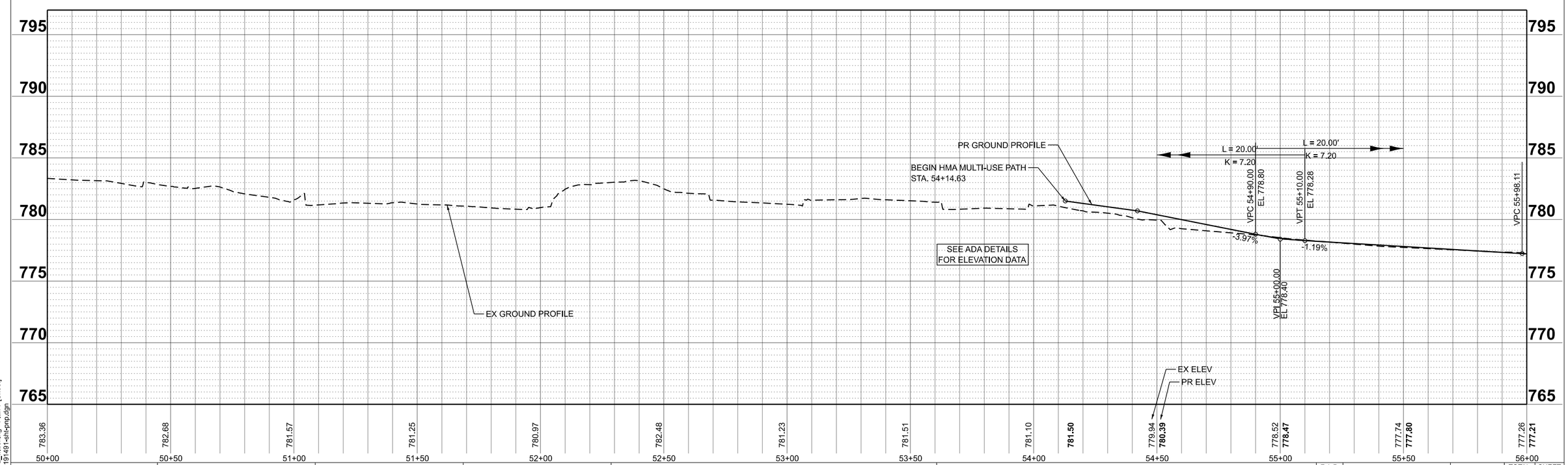
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 6 OF 13 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	26
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	





MODEL: PrCL_widening - Plan 7 [Sheet]
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PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

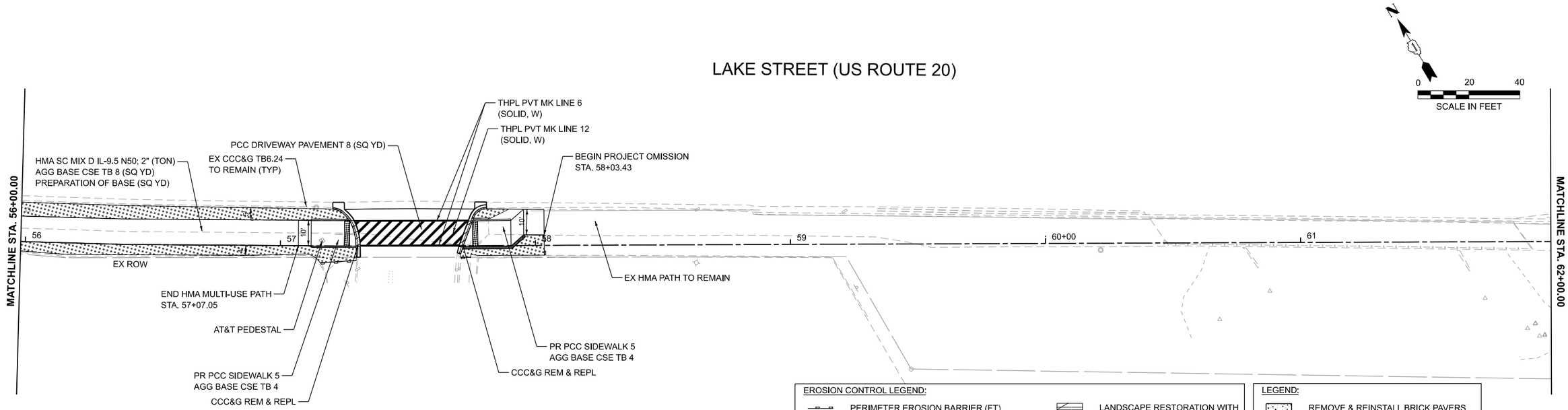
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 7 OF 13 SHEETS | STA. 50+00.00 TO STA. 56+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	27
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

LAKE STREET (US ROUTE 20)



NOTE:
FOR PR ADA RAMPS ELEVATION PLEASE SEE ADA DETAILS

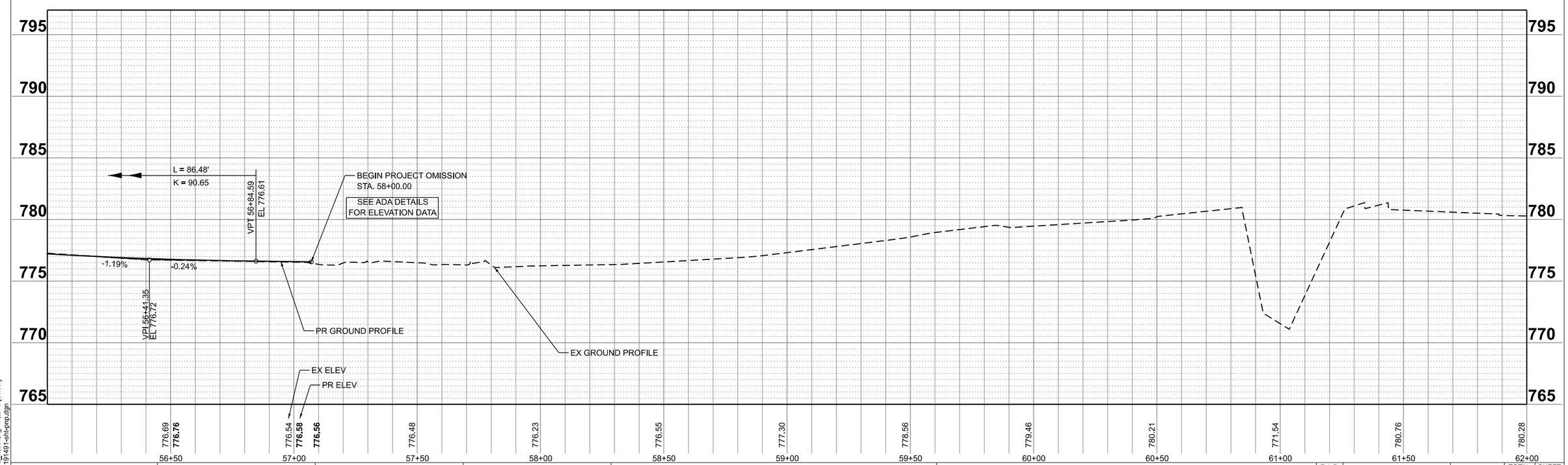
FOR PR TRAFFIC SIGNAL MODIFICATIONS
PLEASE SEE TRAFFIC SIGNAL PLANS.

EROSION CONTROL LEGEND:

- PERIMETER EROSION BARRIER (FT)
- TEMPORARY EROSION CONTROL (POUND)
- TOPSOIL FURNISH AND PLACEMENT, 4" (SQ YD)
- SEEDING, CLASS 2A (ACRE)
- INLET FILTER (EACH)
- LANDSCAPE RESTORATION WITH PERENNIAL PLANTS
- MULCH PLACEMENT, 2"

LEGEND:

- REMOVE & REINSTALL BRICK PAVERS
- CURB DEPRESSION
- DETECTABLE WARNINGS



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PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

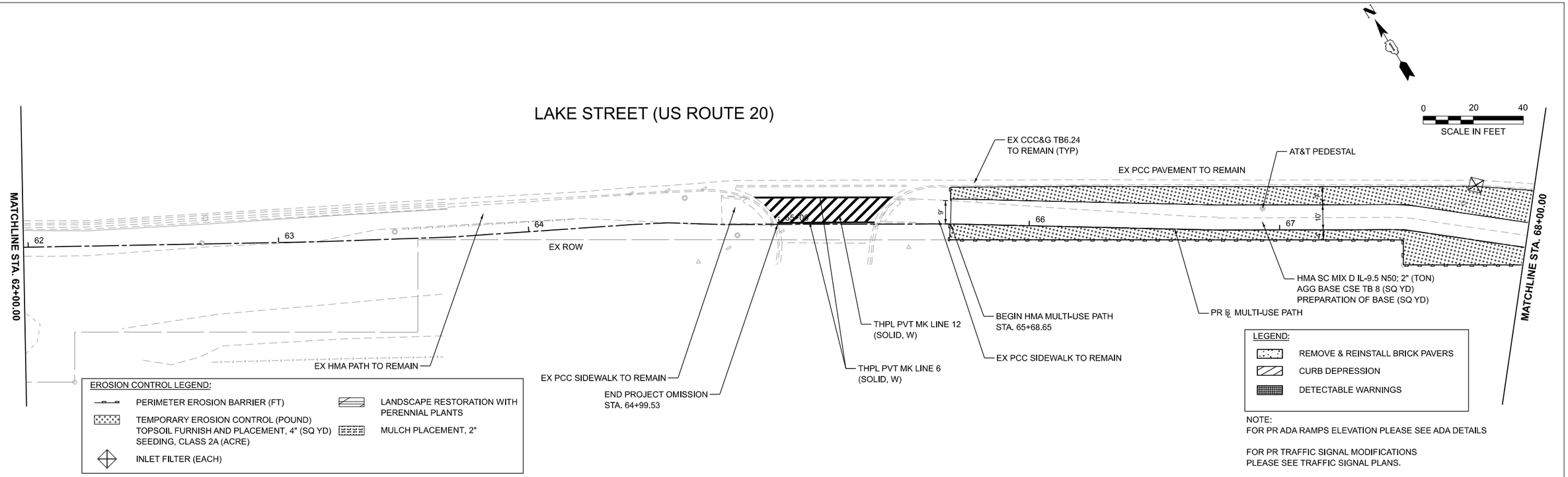
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 8 OF 13 SHEETS | STA. 56+00.00 TO STA. 62+00.00

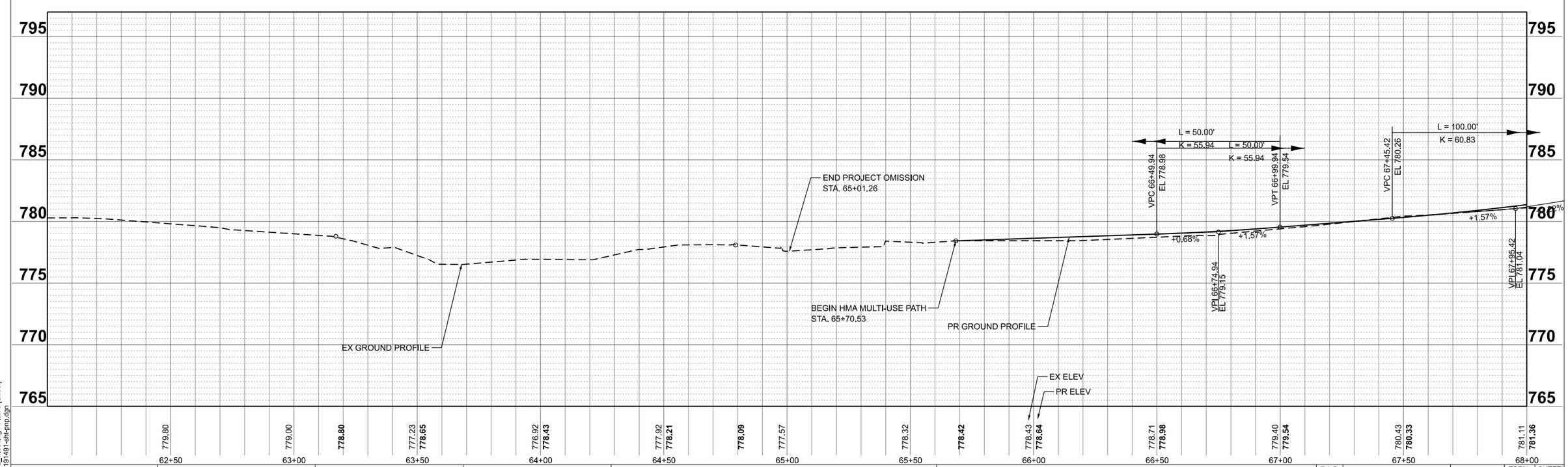
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	28
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

LAKE STREET (US ROUTE 20)



NOTE:
FOR PR ADA RAMPS ELEVATION PLEASE SEE ADA DETAILS

FOR PR TRAFFIC SIGNAL MODIFICATIONS
PLEASE SEE TRAFFIC SIGNAL PLANS.



MODEL: PrCL_widening - Plan 9 [Sheet]
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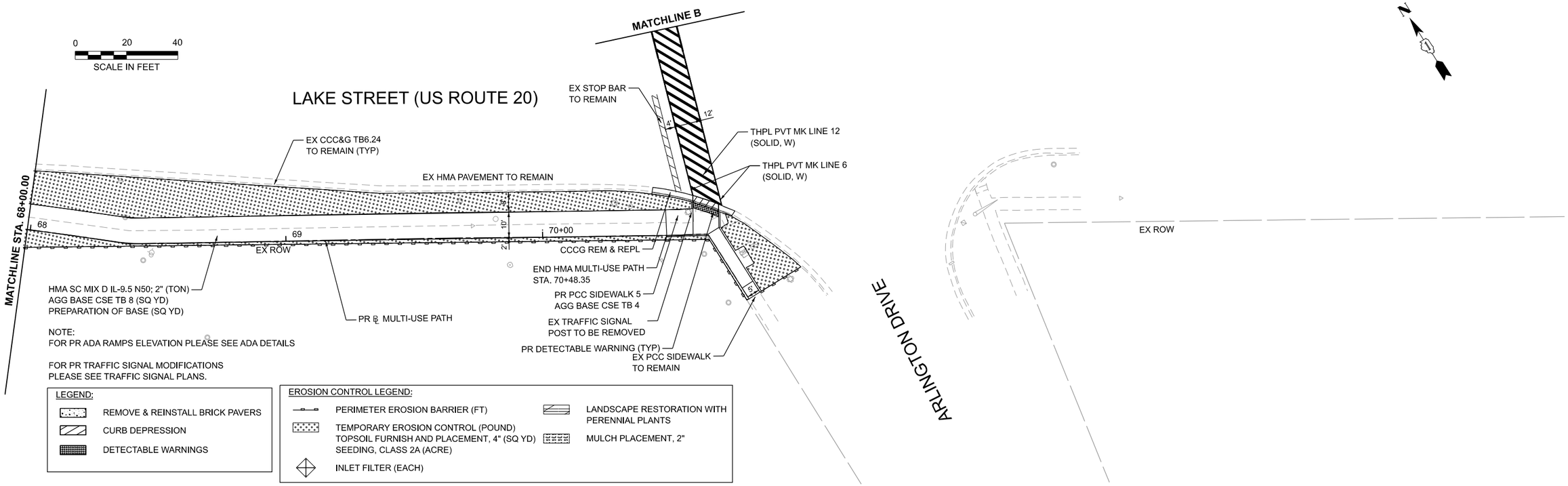
	DRAWN - XX	REVISED - XX/XX/XXXX	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

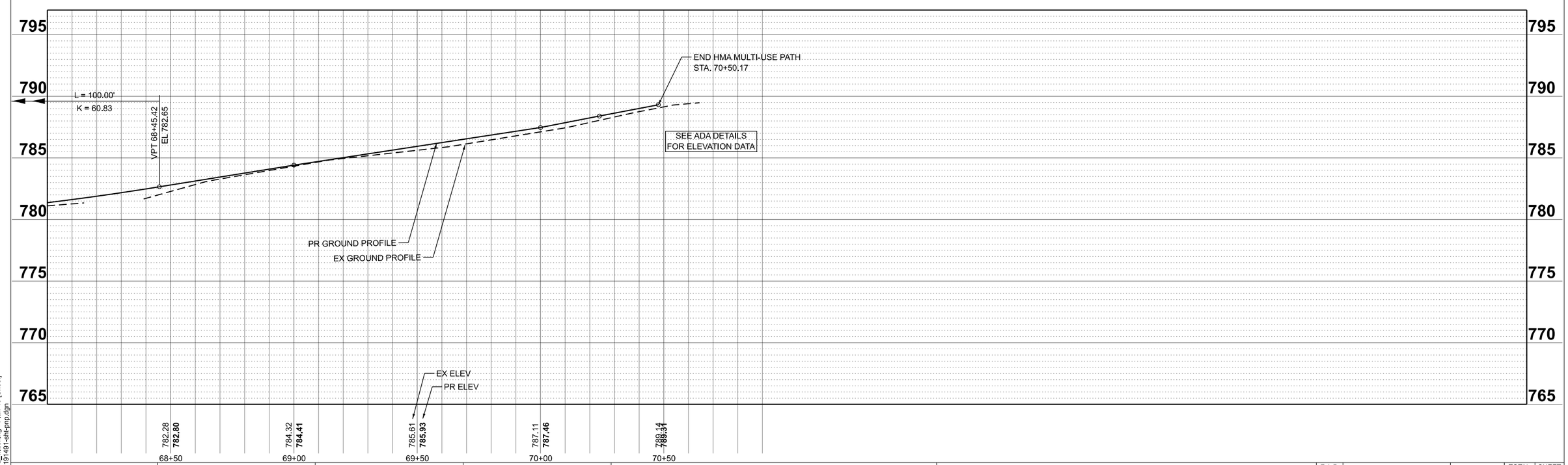
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 9 OF 13 SHEETS | STA. 62+00.00 TO STA. 68+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	29
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	





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	DRAWN - XX	REVISED - XX/XX/XXXX	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 10 OF 13 SHEETS | STA. 68+00.00 TO STA. 74+00.00

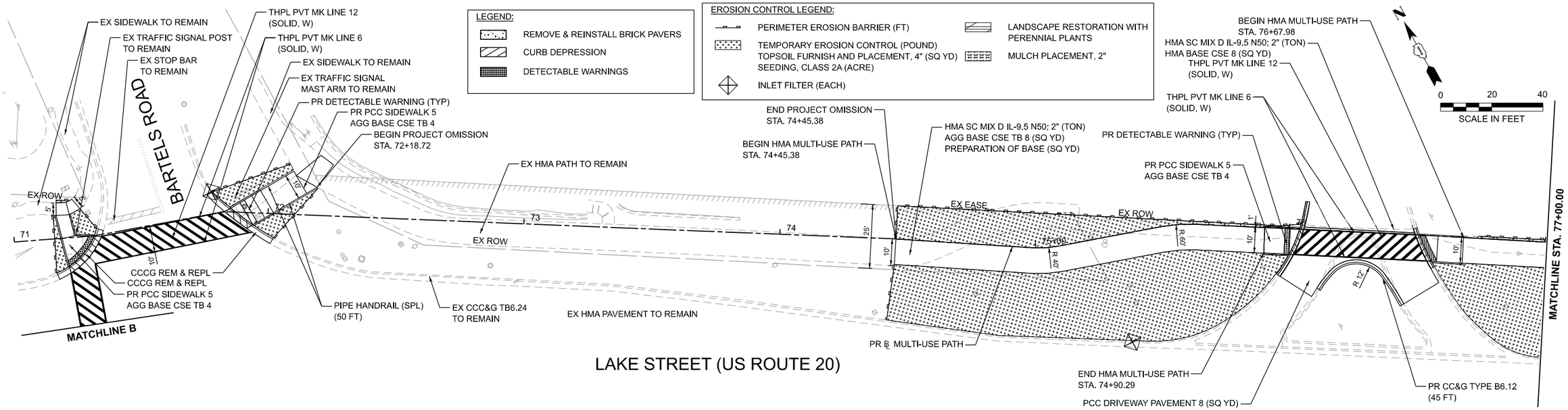
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	30
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

LEGEND:

- REMOVE & REINSTALL BRICK PAVERS
- CURB DEPRESSION
- DETECTABLE WARNINGS

EROSION CONTROL LEGEND:

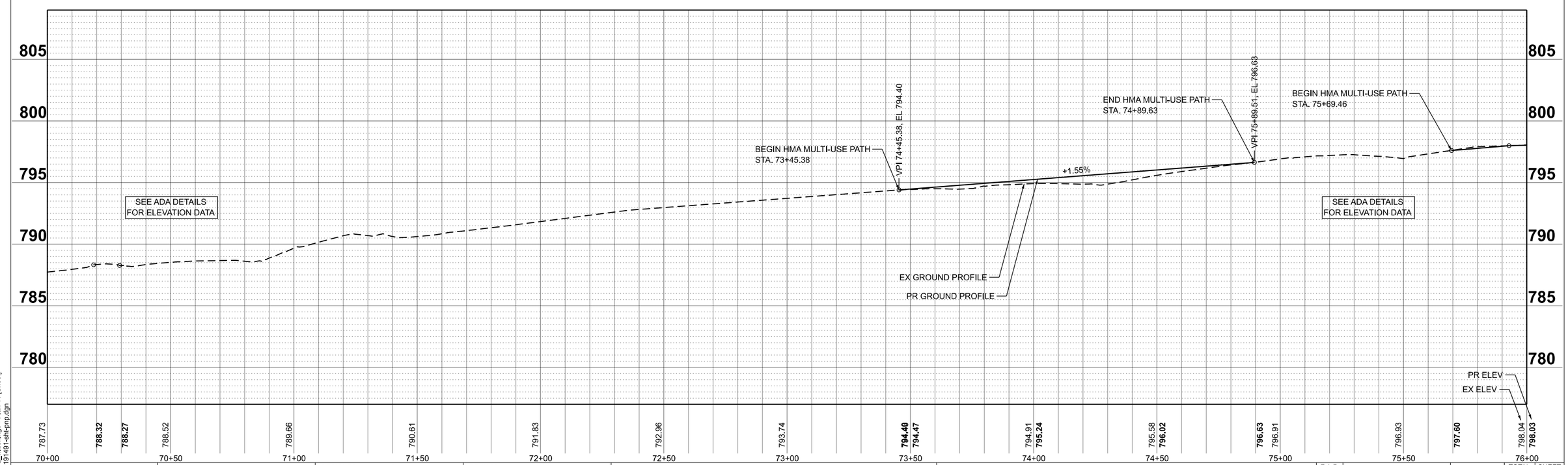
- PERIMETER EROSION BARRIER (FT)
- TEMPORARY EROSION CONTROL (POUND) TOPSOIL FURNISH AND PLACEMENT, 4" (SQ YD) SEEDING, CLASS 2A (ACRE)
- INLET FILTER (EACH)
- LANDSCAPE RESTORATION WITH PERENNIAL PLANTS
- MULCH PLACEMENT, 2"



LAKE STREET (US ROUTE 20)

NOTE:
FOR PR ADA RAMPS ELEVATION PLEASE SEE ADA DETAILS

FOR PR TRAFFIC SIGNAL MODIFICATIONS
PLEASE SEE TRAFFIC SIGNAL PLANS.



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	DRAWN - XX	REVISED - XX/XX/XXXX	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

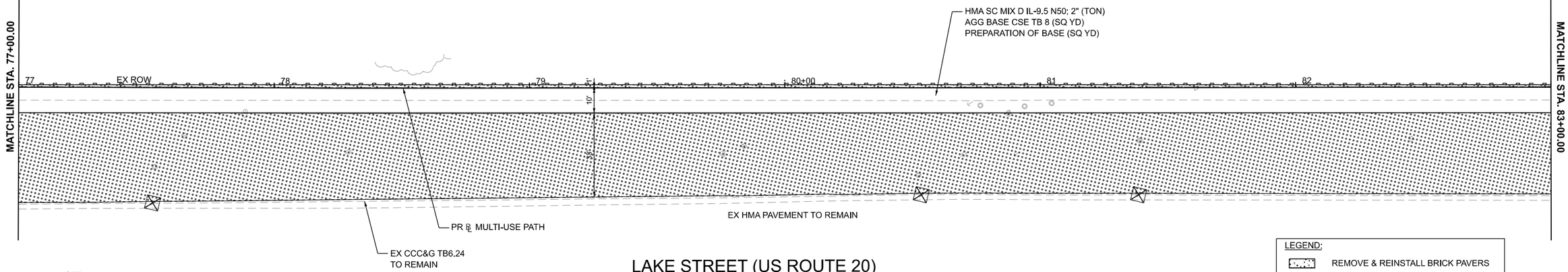
SCALE: 1"=20' | SHEET 11 OF 13 SHEETS | STA. 70+00.00 TO STA. 76+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	31
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

EROSION CONTROL LEGEND:

- PERIMETER EROSION BARRIER (FT)
- TEMPORARY EROSION CONTROL (POUND)
- TOPSOIL FURNISH AND PLACEMENT, 4" (SQ YD)
- SEEDING, CLASS 2A (ACRE)
- INLET FILTER (EACH)
- LANDSCAPE RESTORATION WITH PERENNIAL PLANTS
- MULCH PLACEMENT, 2"

0 20 40
SCALE IN FEET



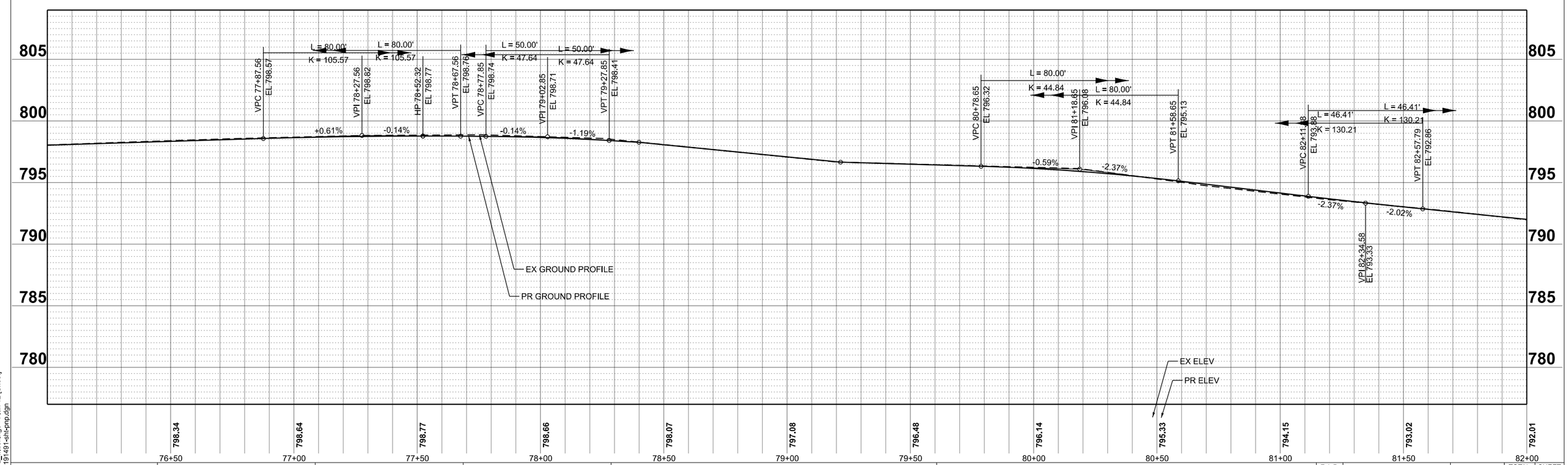
LAKE STREET (US ROUTE 20)

NOTE:
FOR PR ADA RAMPS ELEVATION PLEASE SEE ADA DETAILS

FOR PR TRAFFIC SIGNAL MODIFICATIONS
PLEASE SEE TRAFFIC SIGNAL PLANS.

LEGEND:

- REMOVE & REINSTALL BRICK PAVERS
- CURB DEPRESSION
- DETECTABLE WARNINGS



MODEL: PrC_widening3 - Plan 12 [Sheet]
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	DRAWN - XX	REVISED - XX/XX/XXXX	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 12 OF 13 SHEETS | STA. 76+00.00 TO STA. 82+00.00

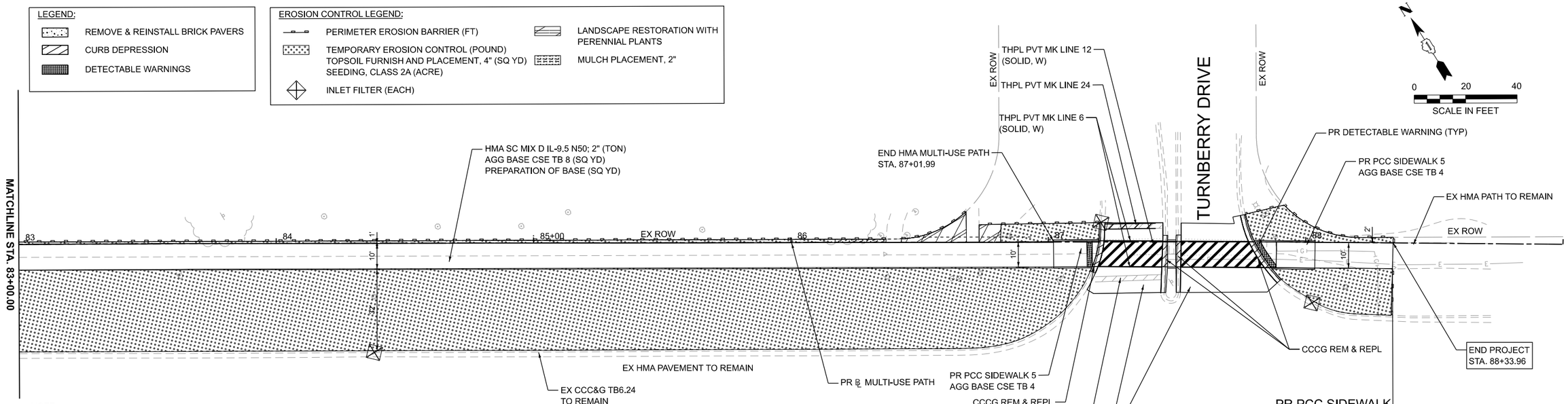
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	32
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

LEGEND:

- REMOVE & REINSTALL BRICK PAVERS
- CURB DEPRESSION
- DETECTABLE WARNINGS

EROSION CONTROL LEGEND:

- PERIMETER EROSION BARRIER (FT)
- TEMPORARY EROSION CONTROL (POUND)
- TOPSOIL FURNISH AND PLACEMENT, 4" (SQ YD)
- SEEDING, CLASS 2A (ACRE)
- INLET FILTER (EACH)
- LANDSCAPE RESTORATION WITH PERENNIAL PLANTS
- MULCH PLACEMENT, 2"

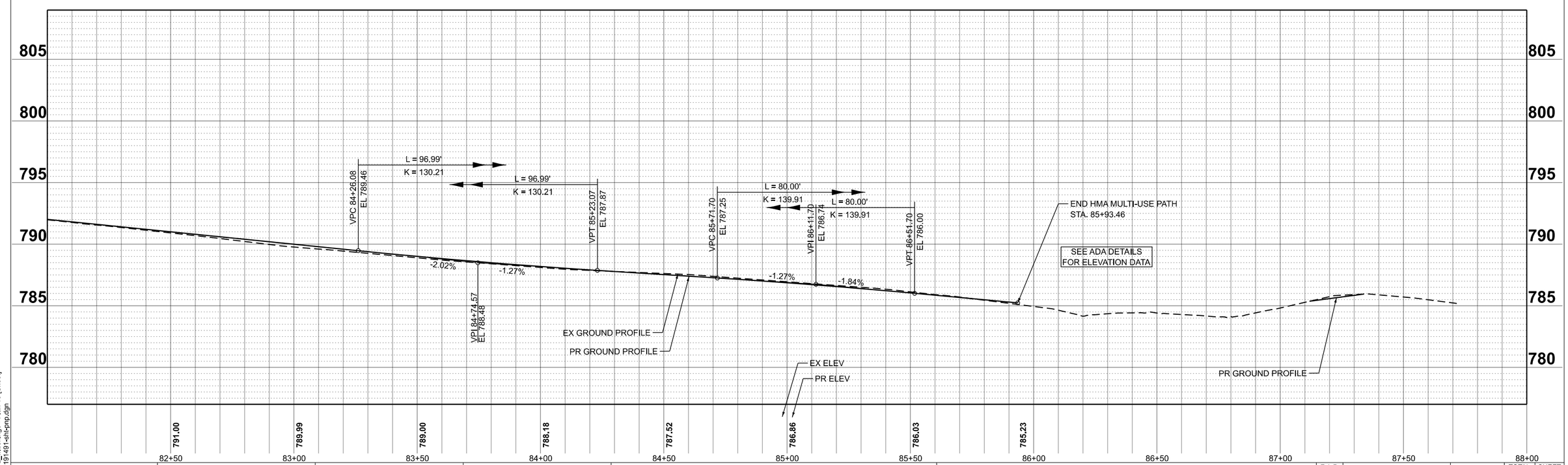


LAKE STREET (US ROUTE 20)

NOTE:
FOR PR ADA RAMPS ELEVATION PLEASE SEE ADA DETAILS

FOR PR TRAFFIC SIGNAL MODIFICATIONS
PLEASE SEE TRAFFIC SIGNAL PLANS.

FOR PERENNIAL PLANT LAYOUT AND SCHEDULE PLEASE
SEE CONSTRUCTION DETAILS. (LAYOUT 3)



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HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = benjamin.belgrave	DESIGNED - JJS	REVISED - XX/XX/XXXX	
	DRAWN - XX	REVISED - XX/XX/XXXX	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

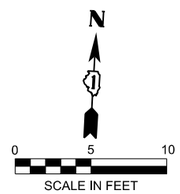
LAKE STREET MULTI-USE PATH
PLAN AND PROFILE

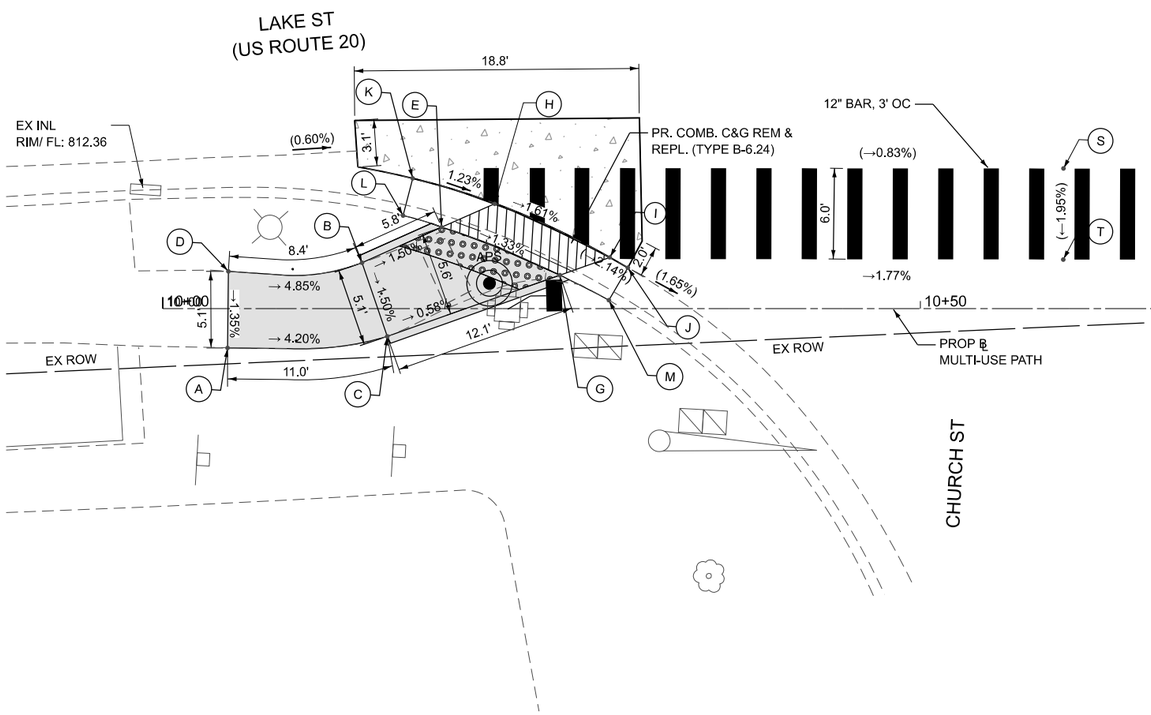
SCALE: 1"=20' | SHEET 13 OF 13 SHEETS | STA. 82+00.00 TO STA. 88+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	33
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

CHURCH ST - SW QUADRANT

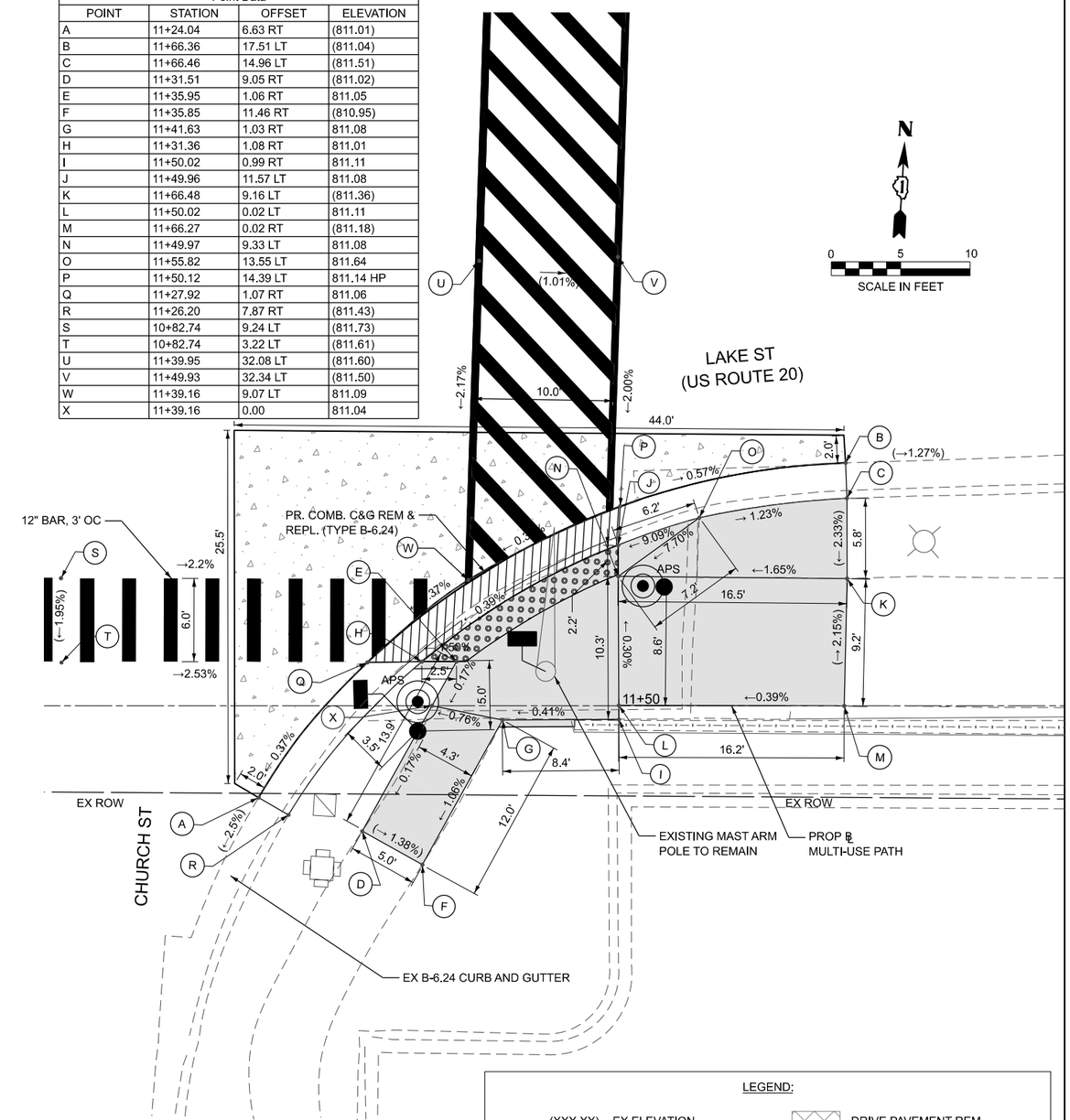
Point Data			
POINT	STATION	OFFSET	ELEVATION
A	10+04.28	2.60 RT	(812.66)
B	10+13.15	3.02 LT	812.30
C	10+14.82	1.83 RT	812.22
D	10+04.33	2.46 LT	(812.73)
E	10+18.40	5.37 LT	812.21
G	10+26.20	2.21 LT	812.09
H	10+23.08	6.50 LT	812.24
I	10+29.50	3.38 LT	(812.11)
J	10+28.65	3.85 LT	(812.08)
K	10+16.49	8.60 LT	(812.31)
L	10+15.86	6.14 LT	(812.75)
M	10+27.55	1.59 LT	(812.59)
S	10+82.74	9.24 LT	(811.73)
T	10+82.74	3.22 LT	(811.61)





CHURCH ST - SE QUADRANT

Point Data			
POINT	STATION	OFFSET	ELEVATION
A	11+24.04	6.63 RT	(811.01)
B	11+66.36	17.51 LT	(811.04)
C	11+66.46	14.96 LT	(811.51)
D	11+31.51	9.05 RT	(811.02)
E	11+35.95	1.06 RT	811.05
F	11+35.85	11.46 RT	(810.95)
G	11+41.63	1.03 RT	811.08
H	11+31.36	1.08 RT	811.01
I	11+50.02	0.99 RT	811.11
J	11+49.96	11.57 LT	811.08
K	11+66.48	9.16 LT	(811.36)
L	11+50.02	0.02 LT	811.11
M	11+66.27	0.02 RT	(811.18)
N	11+49.97	9.33 LT	811.08
O	11+55.82	13.55 LT	811.64
P	11+50.12	14.39 LT	811.14 HP
Q	11+27.92	1.07 RT	811.06
R	11+26.20	7.87 RT	(811.43)
S	10+82.74	9.24 LT	(811.73)
T	10+82.74	3.22 LT	(811.61)
U	11+39.95	32.08 LT	(811.60)
V	11+49.93	32.34 LT	(811.50)
W	11+39.16	9.07 LT	811.09
X	11+39.16	0.00	811.04



LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8

DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8

CLASS C PATCHES, 11"

CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

MODEL: Church ADA 1
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\191491-sht-ADA Church.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

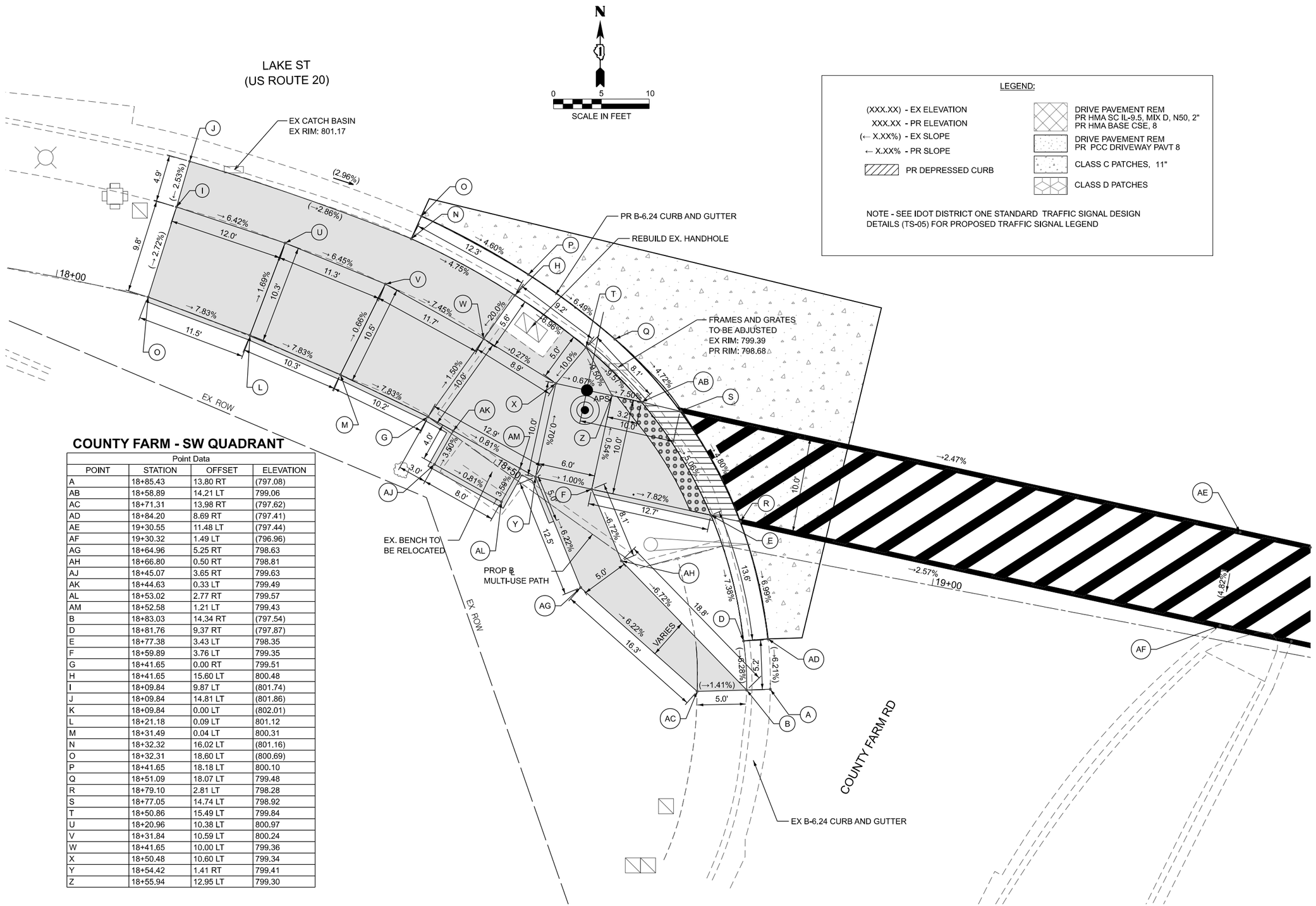
USER NAME = KenCortopassi	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE ST (IL RTE 20) AND CHURCH ST
PROPOSED ADA PLAN - SW AND SE QUADRANTS

SCALE: 1"=5' | SHEET OF SHEETS | STA. 10+00.00 TO STA. 10+60.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	34
		CONTRACT NO. 61L35		
	ILLINOIS	FED. AID PROJECT		



LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8
DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8
CLASS C PATCHES, 11"
CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

COUNTY FARM - SW QUADRANT

Point Data

POINT	STATION	OFFSET	ELEVATION
A	18+85.43	13.80 RT	(797.08)
AB	18+58.89	14.21 LT	799.06
AC	18+71.31	13.98 RT	(797.62)
AD	18+84.20	8.69 RT	(797.41)
AE	19+30.55	11.48 LT	(797.44)
AF	19+30.32	1.49 LT	(796.96)
AG	18+64.96	5.25 RT	798.63
AH	18+66.80	0.50 RT	798.81
AJ	18+45.07	3.65 RT	799.63
AK	18+44.63	0.33 LT	799.49
AL	18+53.02	2.77 RT	799.57
AM	18+52.58	1.21 LT	799.43
B	18+83.03	14.34 RT	(797.54)
D	18+81.76	9.37 RT	(797.87)
E	18+77.38	3.43 LT	798.35
F	18+59.89	3.76 LT	799.35
G	18+41.65	0.00 RT	799.51
H	18+41.65	15.60 LT	800.48
I	18+09.84	9.87 LT	(801.74)
J	18+09.84	14.81 LT	(801.86)
K	18+09.84	0.00 LT	(802.01)
L	18+21.18	0.09 LT	801.12
M	18+31.49	0.04 LT	800.31
N	18+32.32	16.02 LT	(801.16)
O	18+32.31	18.60 LT	(800.69)
P	18+41.65	18.18 LT	800.10
Q	18+51.09	18.07 LT	799.48
R	18+79.10	2.81 LT	798.28
S	18+77.05	14.74 LT	798.92
T	18+50.86	15.49 LT	799.84
U	18+20.96	10.38 LT	800.97
V	18+31.84	10.59 LT	800.24
W	18+41.65	10.00 LT	799.36
X	18+50.48	10.60 LT	799.34
Y	18+54.42	1.41 RT	799.41
Z	18+55.94	12.95 LT	799.30

MODEL: 2D Sheet H
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\191491-sht-ADA County Farm-SW.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = KenCortopassi	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE ST (IL RTE 20) AND COUNTY FARM RD/BARRINGTON RD
PROPOSED ADA PLAN - SW QUADRANT

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

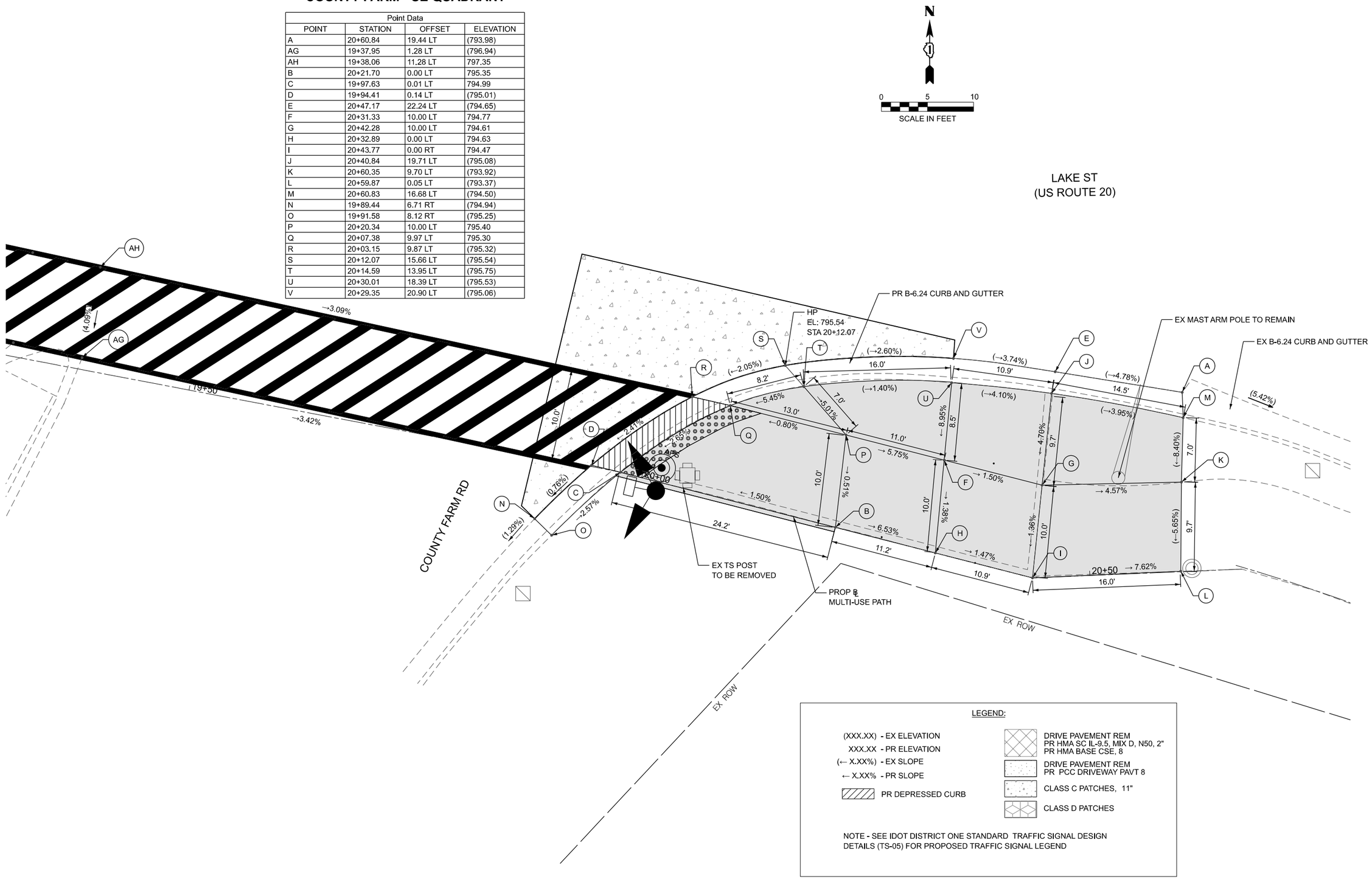
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	35

CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT

COUNTY FARM - SE QUADRANT

Point Data			
POINT	STATION	OFFSET	ELEVATION
A	20+60.84	19.44 LT	(793.98)
AG	19+37.95	1.28 LT	(796.94)
AH	19+38.06	11.28 LT	797.35
B	20+21.70	0.00 LT	795.35
C	19+97.63	0.01 LT	794.99
D	19+94.41	0.14 LT	(795.01)
E	20+47.17	22.24 LT	(794.65)
F	20+31.33	10.00 LT	794.77
G	20+42.28	10.00 LT	794.61
H	20+32.89	0.00 LT	794.63
I	20+43.77	0.00 RT	794.47
J	20+40.84	19.71 LT	(795.08)
K	20+60.35	9.70 LT	(793.92)
L	20+59.87	0.05 LT	(793.37)
M	20+60.83	16.68 LT	(794.50)
N	19+89.44	6.71 RT	(794.94)
O	19+91.58	8.12 RT	(795.25)
P	20+20.34	10.00 LT	795.40
Q	20+07.38	9.97 LT	795.30
R	20+03.15	9.87 LT	(795.32)
S	20+12.07	15.66 LT	(795.54)
T	20+14.59	13.95 LT	(795.75)
U	20+30.01	18.39 LT	(795.53)
V	20+29.35	20.90 LT	(795.06)



MODEL: 2D Sheet H
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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

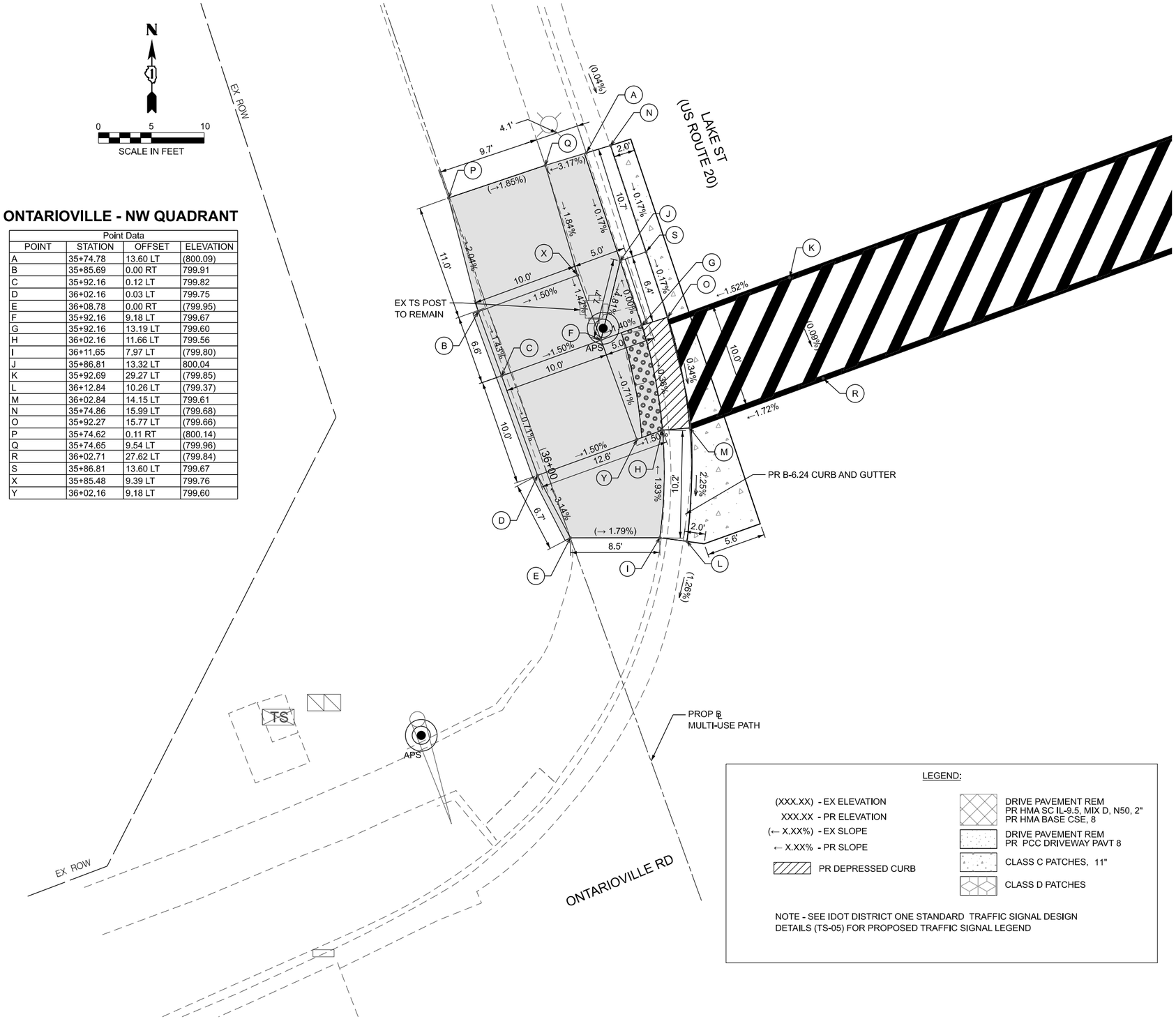
USER NAME = KenCortopassi	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE ST (IL RTE 20) AND COUNTY FARM RD/BARRINGTON RD
PROPOSED ADA PLAN - SE QUADRANT

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	36
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



ONTARIOVILLE - NW QUADRANT

Point Data			
POINT	STATION	OFFSET	ELEVATION
A	35+74.78	13.60 LT	(800.09)
B	35+85.69	0.00 RT	799.91
C	35+92.16	0.12 LT	799.82
D	36+02.16	0.03 LT	799.75
E	36+08.78	0.00 RT	(799.95)
F	35+92.16	9.18 LT	799.67
G	35+92.16	13.19 LT	799.60
H	36+02.16	11.66 LT	799.56
I	36+11.65	7.97 LT	(799.80)
J	35+86.81	13.32 LT	800.04
K	35+92.69	29.27 LT	(799.85)
L	36+12.84	10.26 LT	(799.37)
M	36+02.84	14.15 LT	799.61
N	35+74.86	15.99 LT	(799.68)
O	35+92.27	15.77 LT	(799.66)
P	35+74.62	0.11 RT	(800.14)
Q	35+74.65	9.54 LT	(799.96)
R	36+02.71	27.62 LT	(799.84)
S	35+86.81	13.60 LT	799.67
X	35+85.48	9.39 LT	799.76
Y	36+02.16	9.18 LT	799.60

LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8

DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8

CLASS C PATCHES, 11"

CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

MODEL: 2D Sheet H
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\191491-sht-ADA Ontarioville-NW.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = KenCortopassi	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

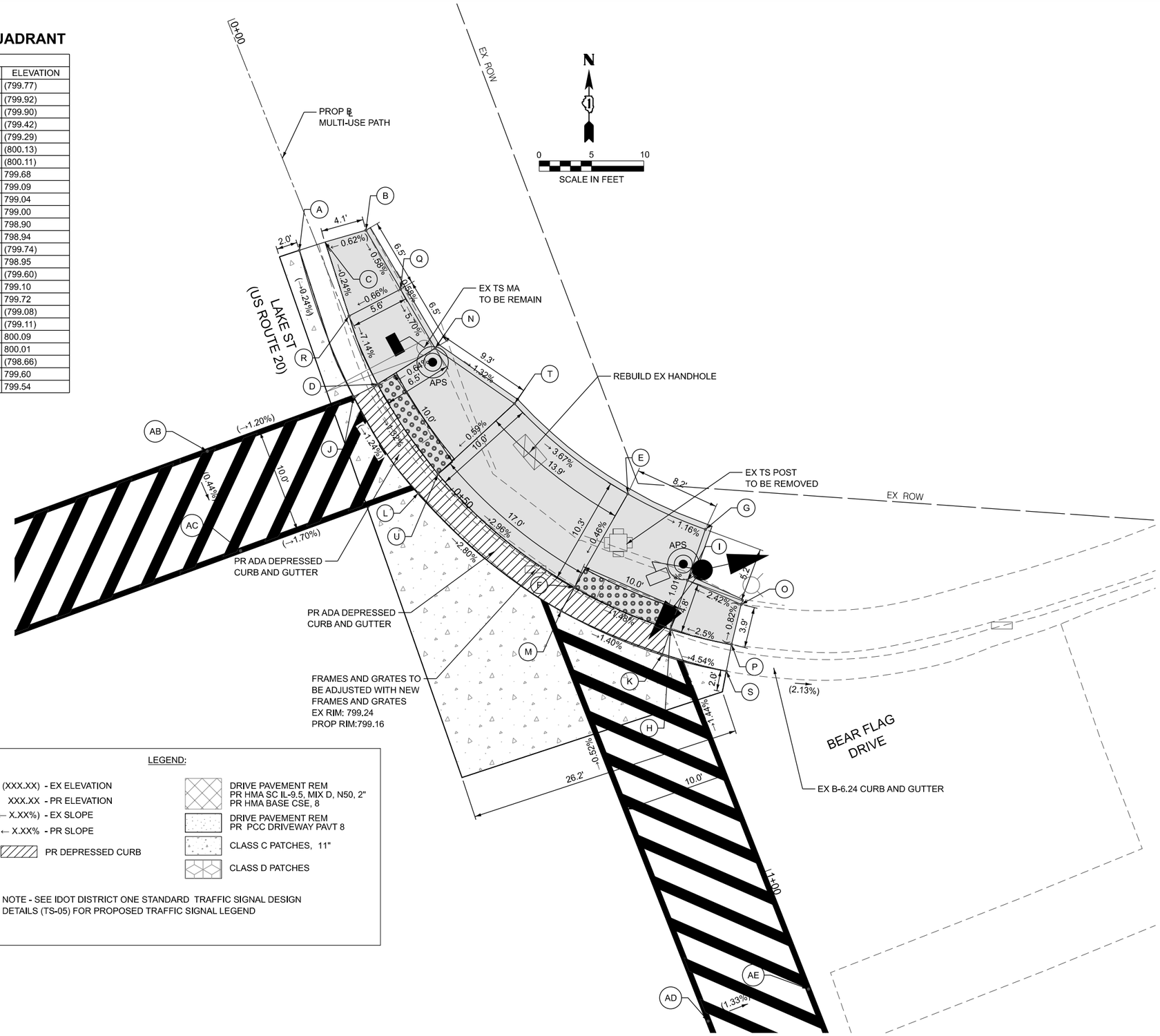
LAKE ST (IL RTE 20) AND ONTARIOVILLE RD/BEAR FLAG DR
PROPOSED ADA PLAN - NW QUADRANT

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	37
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

BEAR FLAG DRIVE - NE QUADRANT

Point Data			
POINT	STATION	OFFSET	ELEVATION
A	0+22.85	1.75 RT	(799.77)
AB	0+37.00	17.03 RT	(799.92)
AC	0+42.92	19.12 RT	(799.90)
AD	1+11.15	11.41 RT	(799.42)
AE	1+11.15	1.39 RT	(799.29)
B	0+23.43	4.87 LT	(800.13)
C	0+23.02	0.83 LT	(800.11)
D	0+37.56	0.40 LT	799.68
E	0+65.23	10.38 LT	799.09
F	0+65.08	0.11 LT	799.04
G	0+75.26	10.14 LT	799.00
H	0+75.15	0.14 LT	798.90
I	0+75.26	4.98 LT	798.94
J	0+37.51	2.18 RT	(799.74)
K	0+77.07	1.63 RT	798.95
L	0+48.13	2.31 RT	(799.60)
M	0+65.08	2.48 RT	799.10
N	0+36.36	6.83 LT	799.72
O	0+75.36	7.08 LT	(799.08)
P	0+78.59	4.87 LT	(799.11)
Q	0+29.89	5.85 LT	800.09
R	0+30.50	0.17 RT	800.01
S	0+80.81	3.49 LT	(798.66)
T	0+47.62	10.21 LT	799.60
U	0+48.01	0.27 LT	799.54



LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8
DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8
CLASS C PATCHES, 11"
CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

MODEL: 2D Sheet H
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\191491-sht-ADA OntarioVille-NE.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

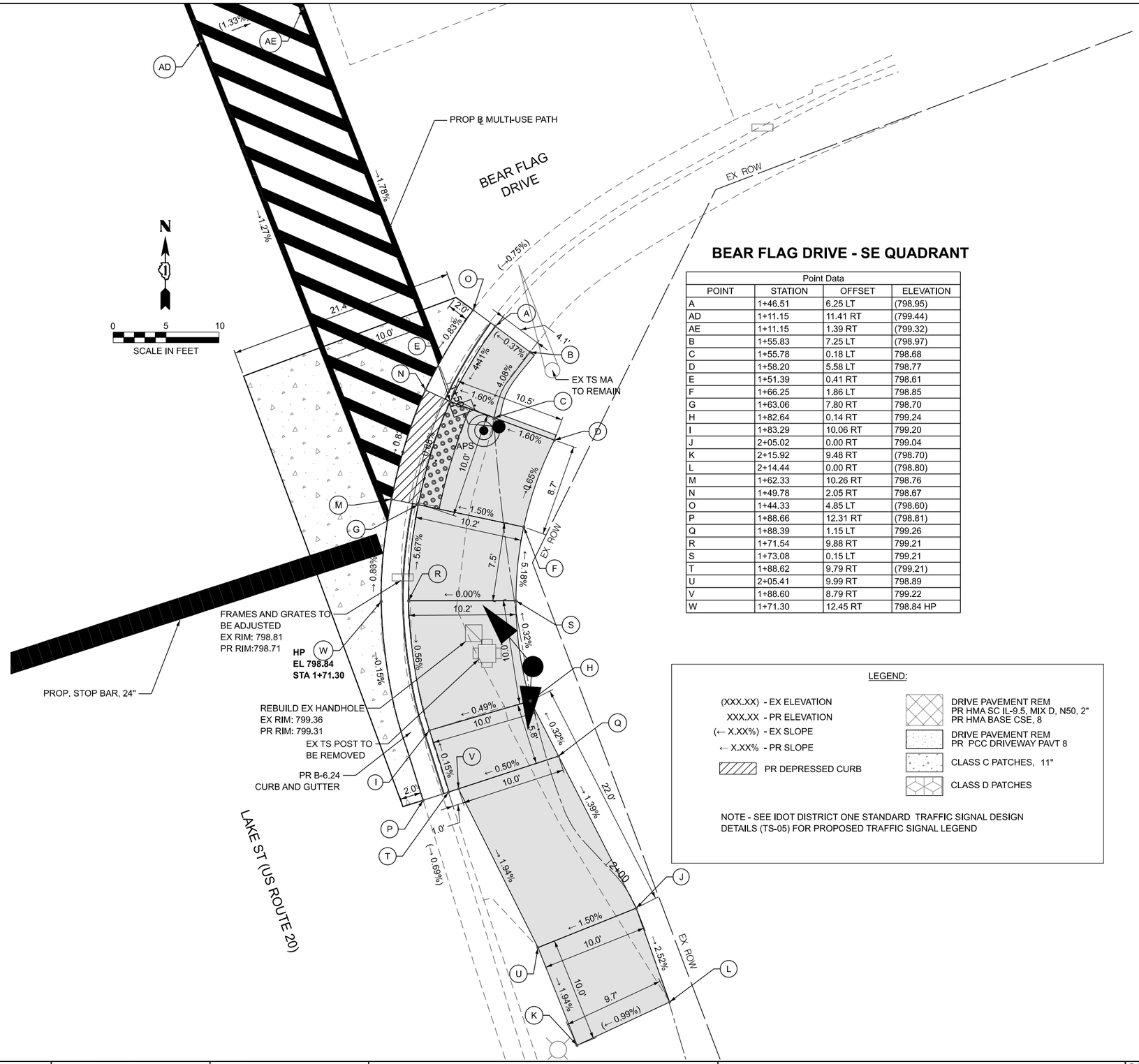
USER NAME = KenCortopassi	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE ST (IL RTE 20) AND ONTARIOVILLE RD/BEAR FLAG DR
PROPOSED ADA PLAN - NE QUADRANT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	38
		CONTRACT NO. 61L35		
		ILLINOIS FED. AID PROJECT		



BEAR FLAG DRIVE - SE QUADRANT

Point Data			
POINT	STATION	OFFSET	ELEVATION
A	1+46.51	6.25 LT	(798.95)
AD	1+11.15	11.41 RT	(799.44)
AE	1+11.15	1.39 RT	(799.32)
B	1+55.83	7.25 LT	(798.97)
C	1+55.78	0.18 LT	798.68
D	1+58.20	5.58 LT	798.77
E	1+51.39	0.41 RT	798.61
F	1+66.25	1.86 LT	798.85
G	1+63.06	7.80 RT	798.70
H	1+82.64	0.14 RT	799.24
I	1+83.29	10.06 RT	799.20
J	2+05.02	0.00 RT	799.04
K	2+15.92	9.48 RT	(798.70)
L	2+14.44	0.00 RT	(798.80)
M	1+62.33	10.26 RT	798.76
N	1+49.78	2.05 RT	798.67
O	1+44.33	4.85 LT	(798.60)
P	1+88.66	12.31 RT	(798.81)
Q	1+88.39	1.15 LT	799.26
R	1+71.54	9.88 RT	799.21
S	1+73.08	0.15 LT	799.21
T	1+88.62	9.79 RT	(799.21)
U	2+05.41	9.99 RT	798.89
V	1+88.60	8.79 RT	799.22
W	1+71.30	12.45 RT	798.84 HP

LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8

DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8

CLASS C PATCHES, 11"

CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

MODEL: 2D Sheet H
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\191491-sht-ADA Ontarioville-South.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = KenCortopassi	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

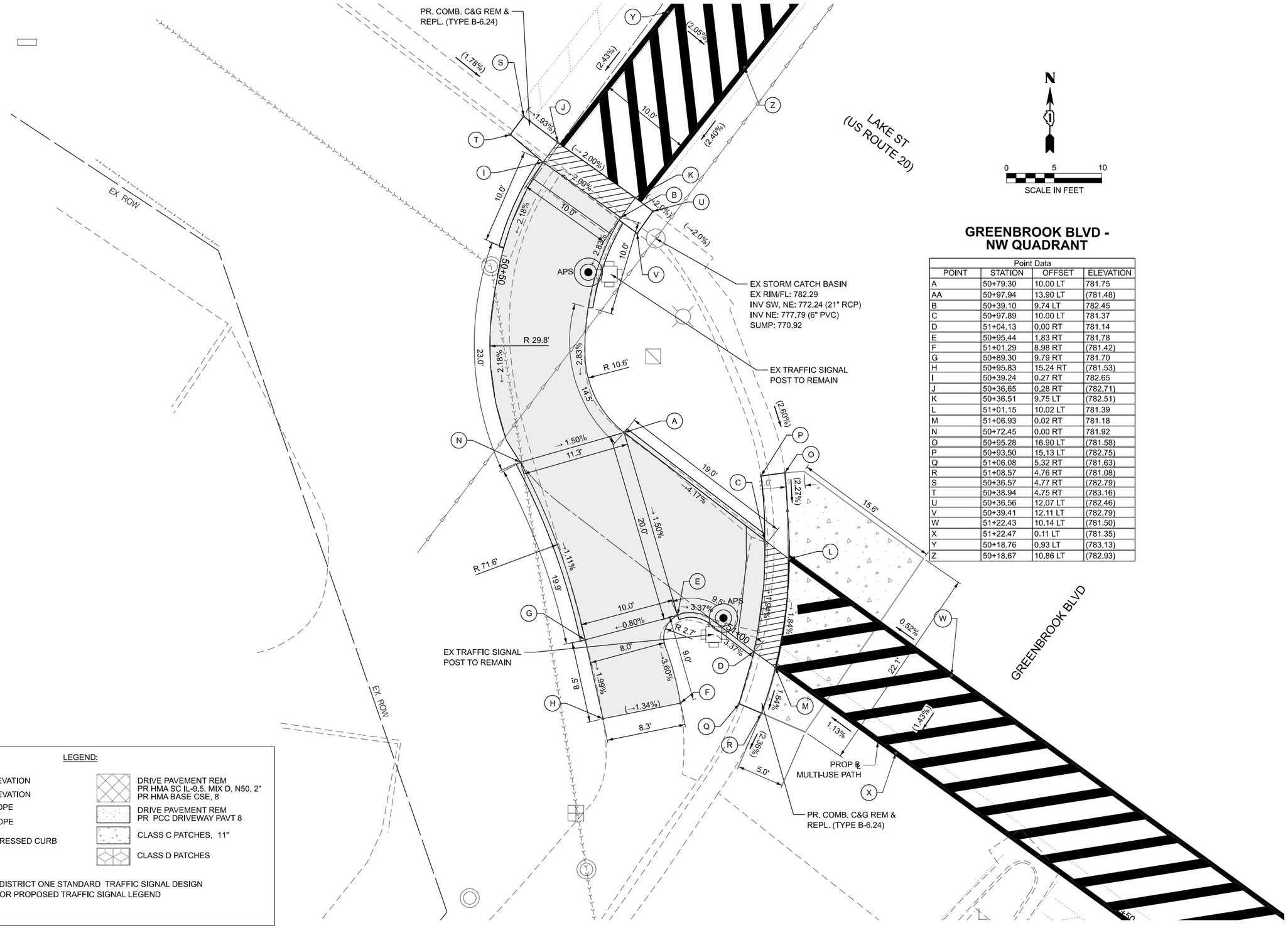
LAKE ST (IL RTE 20) AND ONTARIOVILLE RD/BEAR FLAG DR
PROPOSED ADA PLAN - SE QUADRANT

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	39

CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT



GREENBROOK BLVD - NW QUADRANT

Point Data

POINT	STATION	OFFSET	ELEVATION
A	50+79.30	10.00 LT	781.75
AA	50+97.94	13.90 LT	(781.48)
B	50+39.10	9.74 LT	782.45
C	50+97.89	10.00 LT	781.37
D	51+04.13	0.00 RT	781.14
E	50+95.44	1.83 RT	781.78
F	51+01.29	8.98 RT	(781.42)
G	50+89.30	9.79 RT	781.70
H	50+95.83	15.24 RT	(781.53)
I	50+39.24	0.27 RT	782.65
J	50+36.65	0.28 RT	(782.71)
K	50+36.51	9.75 LT	(782.51)
L	51+01.15	10.02 LT	781.39
M	51+06.93	0.02 RT	781.18
N	50+72.45	0.00 RT	781.92
O	50+95.28	16.90 LT	(781.58)
P	50+93.50	15.13 LT	(782.75)
Q	51+06.08	5.32 RT	(781.63)
R	51+08.57	4.76 RT	(781.08)
S	50+36.57	4.77 RT	(782.79)
T	50+38.94	4.75 RT	(783.16)
U	50+36.56	12.07 LT	(782.46)
V	50+39.41	12.11 LT	(782.79)
W	51+22.43	10.14 LT	(781.50)
X	51+22.47	0.11 LT	(781.35)
Y	50+18.76	0.93 LT	(783.13)
Z	50+18.67	10.86 LT	(782.93)

MODEL: 2D Sheet H
FILE NAME: Z:\2023\232181 MUltI-UsePathLakeSIGaryAvetoMetra\09-CADD\3_Sheets\191491-sht-ADA Greenbrook-NW.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = KenCortopassi	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

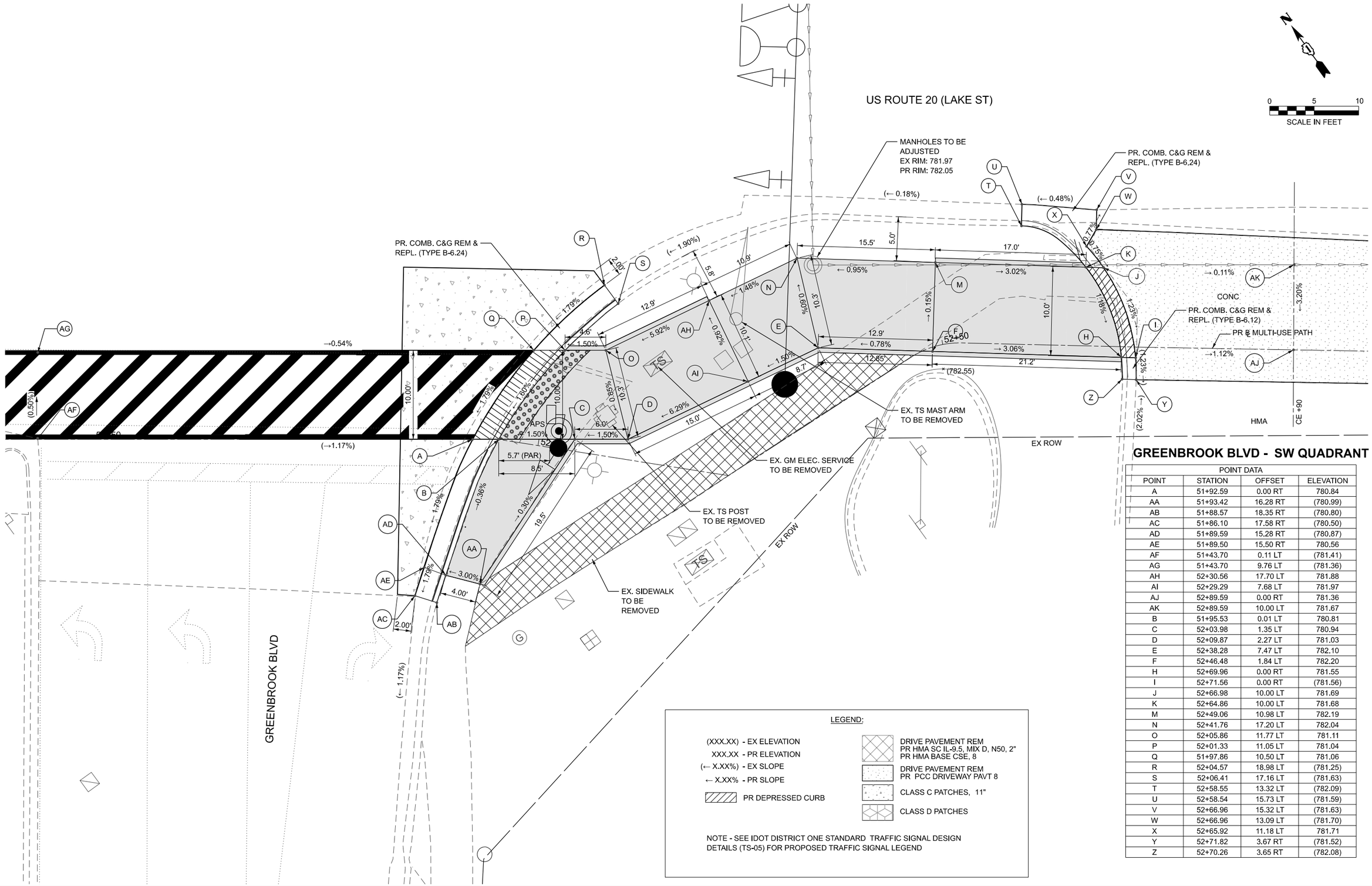
LAKE ST (IL RTE 20) AND GREENBROOK BLVD
PROPOSED ADA PLAN - NW QUADRANT

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	40

CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT



GREENBROOK BLVD - SW QUADRANT

POINT DATA

POINT	STATION	OFFSET	ELEVATION
A	51+92.59	0.00 RT	780.84
AA	51+93.42	16.28 RT	(780.99)
AB	51+88.57	18.35 RT	(780.80)
AC	51+86.10	17.58 RT	(780.50)
AD	51+89.59	15.28 RT	(780.87)
AE	51+89.50	15.50 RT	780.56
AF	51+43.70	0.11 LT	(781.41)
AG	51+43.70	9.76 LT	(781.36)
AH	52+30.56	17.70 LT	781.88
AI	52+29.29	7.68 LT	781.97
AJ	52+89.59	0.00 RT	781.36
AK	52+89.59	10.00 LT	781.67
B	51+95.53	0.01 LT	780.81
C	52+03.98	1.35 LT	780.94
D	52+09.87	2.27 LT	781.03
E	52+38.28	7.47 LT	782.10
F	52+46.48	1.84 LT	782.20
H	52+69.96	0.00 RT	781.55
I	52+71.56	0.00 RT	(781.56)
J	52+66.98	10.00 LT	781.69
K	52+64.86	10.00 LT	781.68
M	52+49.06	10.98 LT	782.19
N	52+41.76	17.20 LT	782.04
O	52+05.86	11.77 LT	781.11
P	52+01.33	11.05 LT	781.04
Q	51+97.86	10.50 LT	781.06
R	52+04.57	18.98 LT	(781.25)
S	52+06.41	17.16 LT	(781.63)
T	52+58.55	13.32 LT	(782.09)
U	52+58.54	15.73 LT	(781.59)
V	52+66.96	15.32 LT	(781.63)
W	52+66.96	13.09 LT	(781.70)
X	52+65.92	11.18 LT	781.71
Y	52+71.82	3.67 RT	(781.52)
Z	52+70.26	3.65 RT	(782.08)

LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8

DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8

CLASS C PATCHES, 11"

CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

MODEL: Named Boundary Sheet H
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\191491-sht-ADA Greenbrook-SW.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = KenCortopassi	DESIGNED - AKW	REVISED -	
	DRAWN - AKW	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE ST (IL RTE 20) AND GREENBROOK BLVD
PROPOSED ADA PLAN - SW QUADRANT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	41

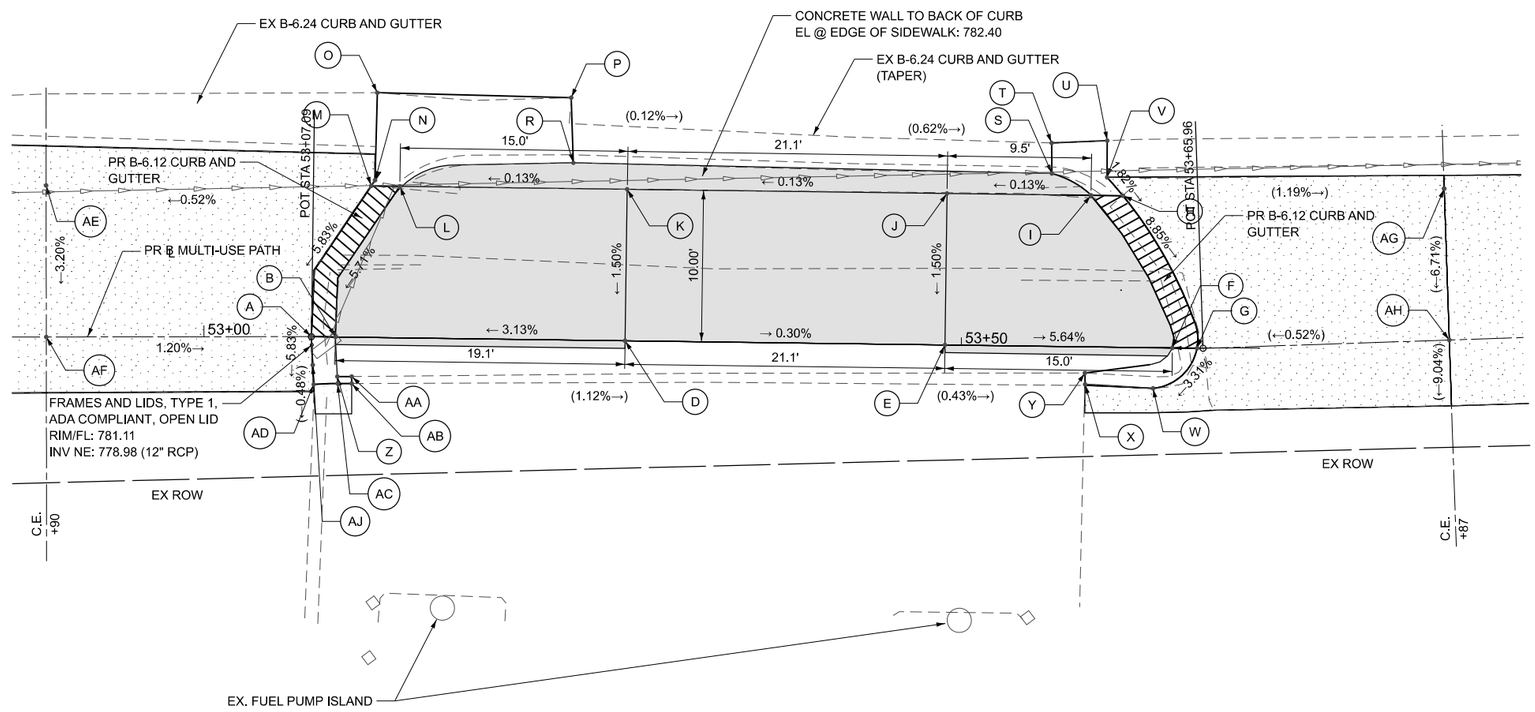
CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT

MARATHON GAS STATION - CE +90 AND CE +87

POINT DATA			
POINT	STATION	OFFSET	ELEVATION
A	53+07.09	0.00 LT	(781.15)
AA	53+09.79	2.60 RT	(781.48)
AB	53+09.79	3.06 RT	(781.47)
AC	53+08.87	3.07 RT	781.47
AD	53+07.29	3.15 RT	(781.03)
AE	52+89.59	10.00 LT	781.67
AF	52+89.59	0.00 RT	781.36
AG	53+82.22	10.00 LT	(781.58)
AH	53+82.22	0.00 LT	(780.91)
AJ	53+07.21	1.87 RT	(781.04)
B	53+08.68	0.00 RT	781.13
D	53+27.80	0.00 LT	781.73
E	53+48.93	0.00 LT	781.67
F	53+63.93	0.00 LT	780.82
G	53+65.56	0.00 LT	(780.83)
H	53+60.55	10.00 LT	(781.84)
I	53+58.43	10.00 LT	781.83
J	53+48.93	10.00 LT	781.82
K	53+27.80	10.00 LT	781.79
L	53+12.81	10.00 LT	781.77
M	53+10.91	10.00 LT	(781.78)
N	53+11.16	10.38 LT	(781.82)
O	53+11.24	16.15 LT	(781.87)
P	53+24.04	16.00 LT	(781.87)
R	53+24.24	11.70 LT	(782.33)
S	53+55.83	11.40 LT	(782.37)
T	53+55.79	13.42 LT	(781.80)
U	53+59.46	13.62 LT	(781.80)
V	53+59.48	11.20 LT	(781.87)
W	53+62.69	2.69 RT	(780.69)
X	53+58.20	2.48 RT	(780.69)
Y	53+58.19	1.73 RT	(780.69)
Z	53+08.84	2.62 RT	781.48

US ROUTE 20 (LAKE ST)



LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8
DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8
CLASS C PATCHES, 11"
CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

MODEL: Default
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\191491-sht-ADA Marathon-North.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

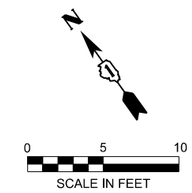
USER NAME = KenCortopassi	DESIGNED - CPT	REVISED -	
	DRAWN - AKW	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE ST (IL RTE 20) AND MARATHON GAS STATION
PROPOSED ADA PLAN - CE +90 AND CE +87

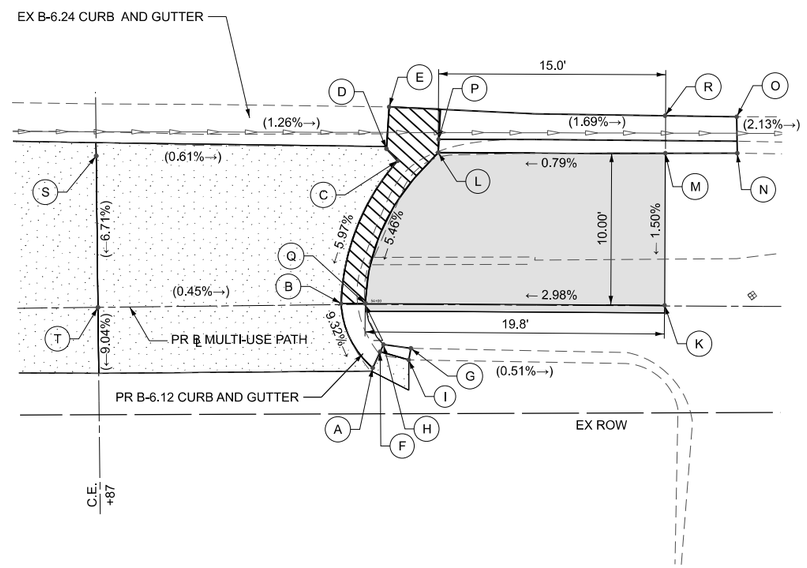
SCALE: 1"=5' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	42
		CONTRACT NO. 61L35		
		ILLINOIS FED. AID PROJECT		



US ROUTE 20
(LAKE ST)

POINT DATA			
POINT	STATION	OFFSET	ELEVATION
A	54+00.39	4.19 RT	(780.39)
B	53+98.28	0.07 LT	(780.84)
C	54+01.96	9.48 LT	(781.46)
D	54+01.22	10.28 LT	(781.49)
E	54+01.39	13.04 LT	(781.34)
F	54+00.87	3.12 RT	(780.87)
G	54+02.90	2.89 RT	(780.70)
H	54+01.09	2.65 RT	780.89
I	54+02.76	3.65 RT	(780.70)
K	54+14.64	0.04 LT	781.42
L	54+04.64	10.04 LT	781.45
M	54+14.64	10.04 LT	(781.57)
N	54+24.38	10.10 LT	(781.49)
O	54+24.33	12.50 LT	(780.93)
P	54+04.65	10.92 LT	781.49
Q	53+99.87	0.05 LT	780.83
R	54+14.64	12.60 LT	(781.03)
S	53+82.22	10.00 LT	(781.58)
T	53+82.22	0.00 RT	(780.91)



LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8
DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8
CLASS C PATCHES, 11"
CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

MODEL: Default
FILE NAME: Z:\2023\2321181 Multi-UsePathLakeStGaryAveIoMetra\09-CADD\3_Sheets\191491-sht-ADA Marathon-South.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

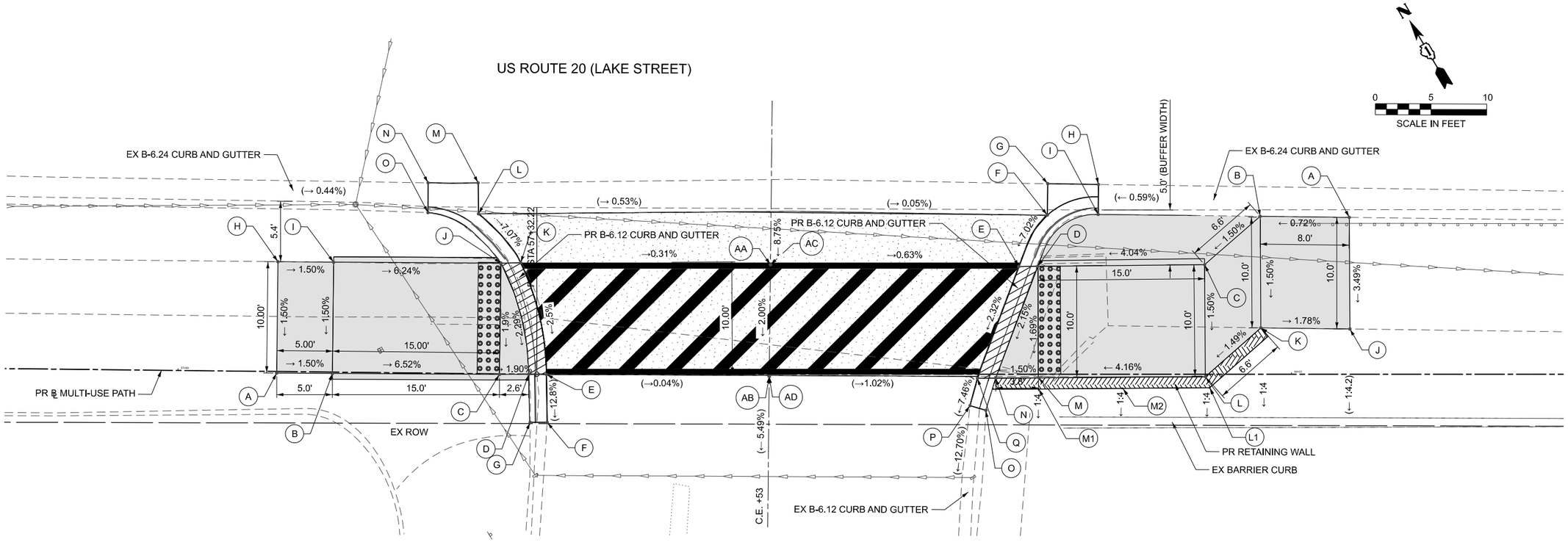
USER NAME = KenCortopassi	DESIGNED - CPT	REVISED -	
	DRAWN - AKW	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE ST (IL RTE 20) AND MARATHON GAS STATION
PROPOSED ADA PLAN - CE +87

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-0078-00-BT	DUPAGE	116	43
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



POINT DATA			
POINT	STATION	OFFSET	ELEVATION
A	57+08.86	0.14 RT	777.56
AA	57+53.20	9.85 LT	776.66
AB	57+53.10	0.19 RT	(776.46)
B	57+13.86	0.14 RT	777.49
C	57+28.86	0.05 RT	776.51
D	57+31.50	0.01 RT	776.46
E	57+33.09	0.01 RT	(776.47)
F	57+33.17	5.54 RT	(775.92)
G	57+31.65	5.64 RT	(776.07)
H	57+08.86	9.86 LT	(777.71)
I	57+13.87	9.86 LT	777.64
J	57+28.90	9.95 LT	776.70
K	57+30.68	10.00 LT	776.73
L	57+26.83	14.36 LT	(777.15)
M	57+26.77	17.14 LT	(777.20)
N	57+22.28	17.10 LT	(777.22)
O	57+22.29	14.42 LT	(777.77)

PR RETAINING WALL AND EMBANKMENT ELEVATIONS:

M: 776.81 - (T/RW)
M1: 775.77 (T/EMB)
M2: 775.75 (T/EMB)
L: 776.95 - (T/RW)
L1: 775.74 (T/EMB)
K: 777.05 (T/RW)

LEGEND:

T/RW - TOP ELEVATION OF RETAINING WALL
T/EMB - TOP ELEVATION OF EMBANKMENT

LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8

DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8

CLASS C PATCHES, 11"

CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

POINT DATA			
POINT	STATION	OFFSET	ELEVATION
A	57+99.96	14.16 LT	(777.26)
AC	57+53.20	9.85 LT	776.66
AD	57+53.10	0.19 RT	(776.46)
B	57+91.48	14.26 LT	(777.20)
C	57+83.36	9.76 LT	777.10
D	57+77.22	9.70 LT	776.50
E	57+75.52	9.68 LT	(776.52)
F	57+78.07	14.30 LT	(776.90)
G	57+78.11	17.12 LT	(777.03)
H	57+82.66	17.05 LT	(777.05)
I	57+82.64	14.37 LT	(777.10)
J	57+99.74	4.14 LT	(776.91)
K	57+91.39	4.25 LT	777.05
L	57+83.36	0.22 RT	776.95
M	57+77.27	0.30 RT	776.33
N	57+73.43	0.34 RT	776.27
O	57+72.55	3.24 RT	(776.47)
P	57+71.13	2.82 RT	(776.08)
Q	57+71.80	0.36 RT	(776.28)

MODEL: Plaza Sheet
FILE NAME: Z:\2023\232181 Multi-UsePathLakeSt\GaryAvenueMetra\09-CADD\3_Sheets\191491-sht-ADA Hanover Park Plaza.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = KenCortopassi	DESIGNED - CPT	REVISED -	
	DRAWN - AKW	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 20 (LAKE STREET) AND HANOVER PARK PLAZA
PROPOSED ADA PLAN - CE 57+53

SCALE: 1"=5' | SHEET OF SHEETS | STA. 56+84.44 TO STA. 58+24.44

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	44

CONTRACT NO. 61L35

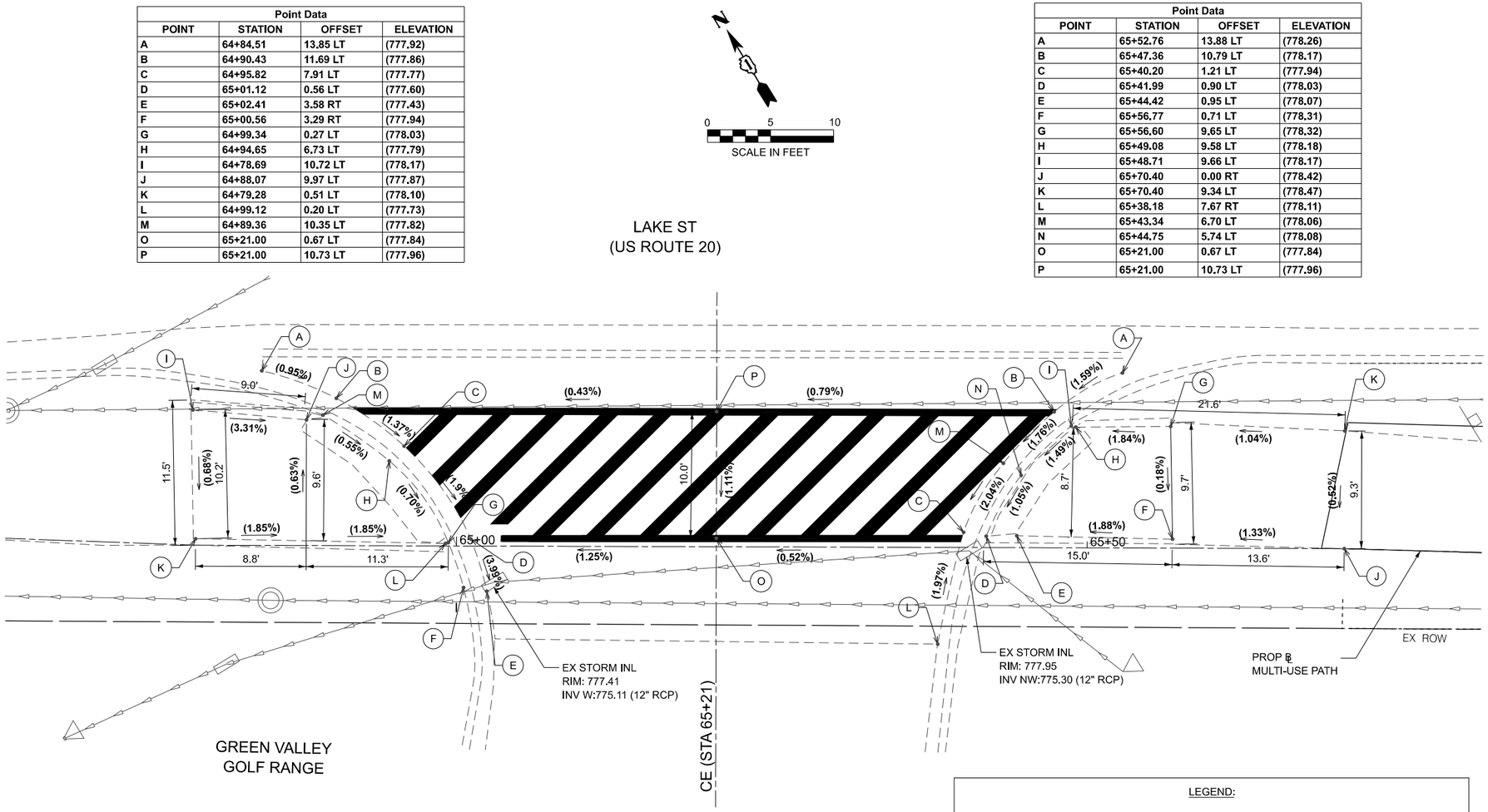
ILLINOIS | FED. AID PROJECT

COMMERCIAL ENTRANCE (STA 65+21) - NW QUADRANT

Point Data			
POINT	STATION	OFFSET	ELEVATION
A	64+84.51	13.85 LT	(777.92)
B	64+90.43	11.69 LT	(777.86)
C	64+95.82	7.91 LT	(777.77)
D	65+01.12	0.56 LT	(777.60)
E	65+02.41	3.58 RT	(777.43)
F	65+00.56	3.29 RT	(777.94)
G	64+99.34	0.27 LT	(778.03)
H	64+94.65	6.73 LT	(777.79)
I	64+78.69	10.72 LT	(778.17)
J	64+88.07	9.97 LT	(777.87)
K	64+79.28	0.51 LT	(778.10)
L	64+99.12	0.20 LT	(777.73)
M	64+89.36	10.35 LT	(777.82)
O	65+21.00	0.67 LT	(777.84)
P	65+21.00	10.73 LT	(777.96)

COMMERCIAL ENTRANCE (STA 65+21) - NE QUADRANT

Point Data			
POINT	STATION	OFFSET	ELEVATION
A	65+52.76	13.88 LT	(778.26)
B	65+47.36	10.79 LT	(778.17)
C	65+40.20	1.21 LT	(777.94)
D	65+41.99	0.90 LT	(778.03)
E	65+44.42	0.95 LT	(778.07)
F	65+56.77	0.71 LT	(778.31)
G	65+56.60	9.65 LT	(778.32)
H	65+49.08	9.58 LT	(778.18)
I	65+48.71	9.66 LT	(778.17)
J	65+70.40	0.00 RT	(778.42)
K	65+70.40	9.34 LT	(778.47)
L	65+38.18	7.67 RT	(778.11)
M	65+43.34	6.70 LT	(778.06)
N	65+44.75	5.74 LT	(778.08)
O	65+21.00	0.67 LT	(777.84)
P	65+21.00	10.73 LT	(777.96)



LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8

DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8

CLASS C PATCHES, 11"

CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

MODEL: Green Valley-ADA ramps
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAveto Metra\09-CADD\3_Sheets\191491-sht-ADA Green Valley.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = KenCortopassi	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

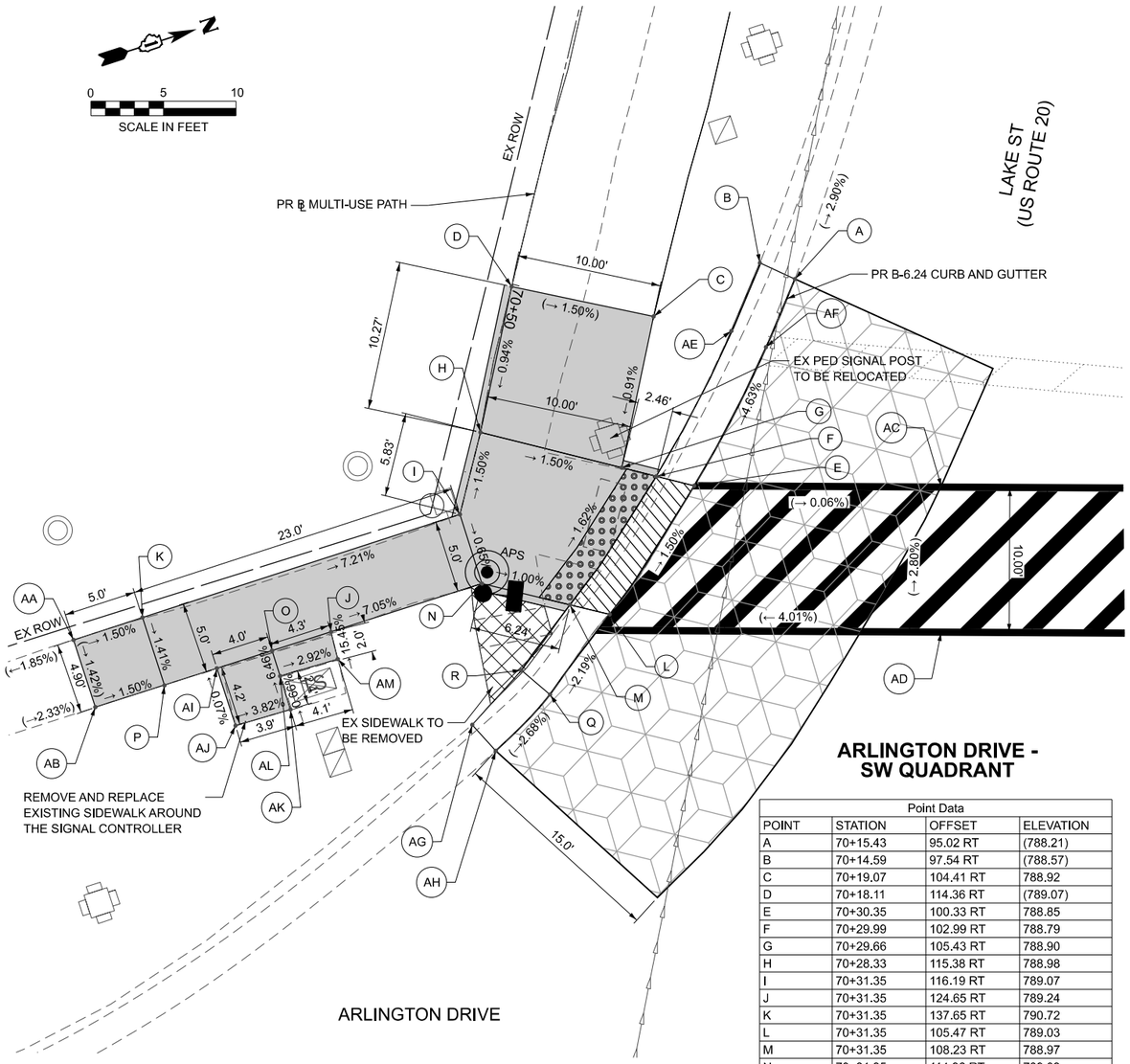
LAKE ST (IL RTE 20) AND COMMERCIAL ENTRANCE (STA 65+21)
PROPOSED ADA PLAN - NW AND NE QUADRANTS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	45

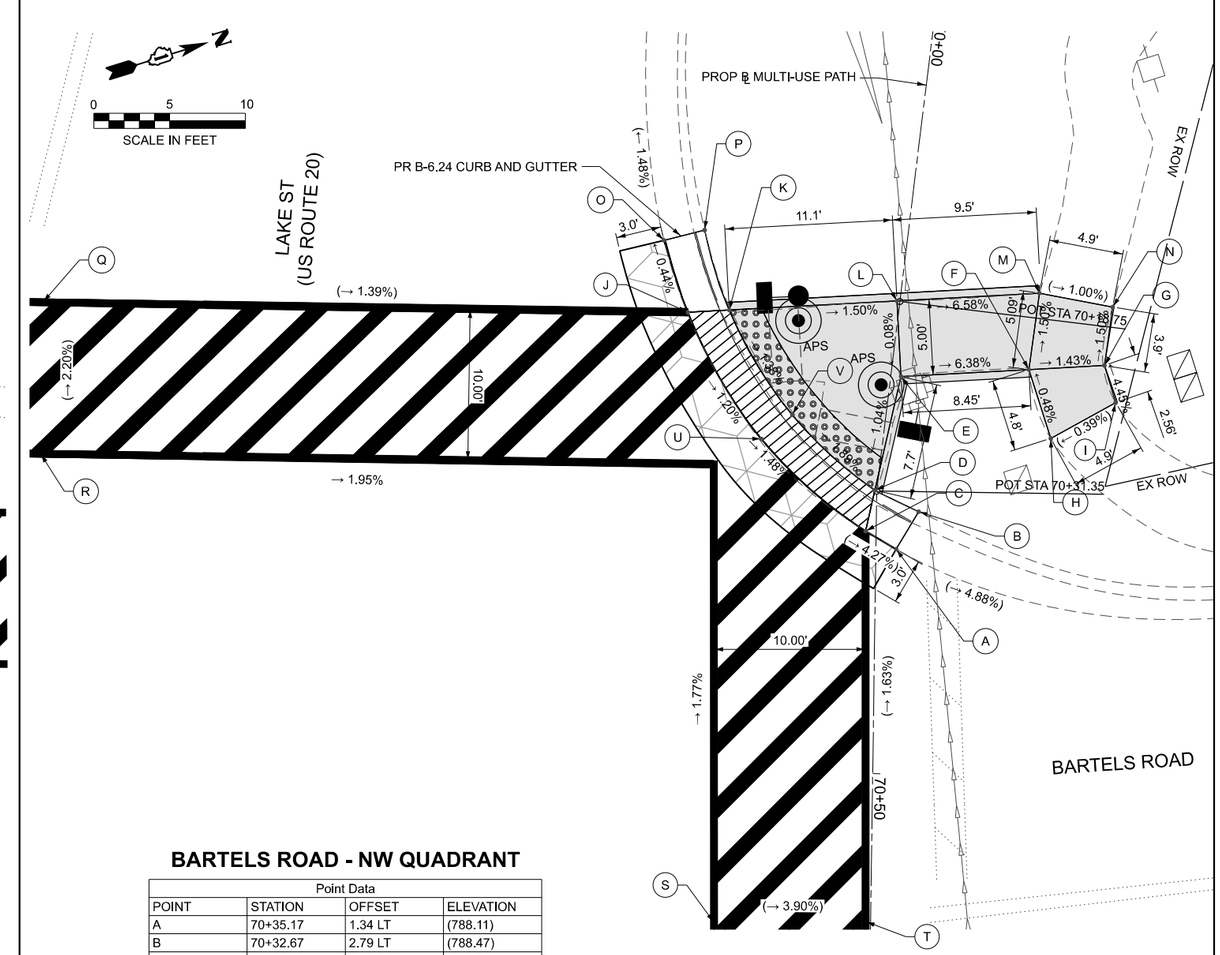
CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT



ARLINGTON DRIVE - SW QUADRANT

Point Data			
POINT	STATION	OFFSET	ELEVATION
A	70+15.43	95.02 RT	(788.21)
B	70+14.59	97.54 RT	(788.57)
C	70+19.07	104.41 RT	788.92
D	70+18.11	114.36 RT	(789.07)
E	70+30.35	100.33 RT	788.85
F	70+29.99	102.99 RT	788.79
G	70+29.66	105.43 RT	788.90
H	70+28.33	115.38 RT	788.98
I	70+31.35	116.19 RT	789.07
J	70+31.35	124.65 RT	789.24
K	70+31.35	137.65 RT	790.72
L	70+31.35	105.47 RT	789.03
M	70+31.35	108.23 RT	788.97
N	70+31.35	114.36 RT	789.03
O	70+31.35	128.68 RT	790.11
P	70+33.52	136.09 RT	790.09
Q	70+34.04	109.53 RT	(789.19)
R	70+32.26	111.18 RT	789.56
AA	70+31.35	139.54 RT	(790.80)
AB	70+34.19	137.90 RT	(790.73)
AC	70+28.55	83.37 RT	(788.84)
AD	70+31.35	80.05 RT	(789.12)
AE	70+19.46	98.97 RT	788.82
AF	70+20.31	96.47 RT	788.45
AG	70+36.15	114.87 RT	(789.74)
AH	70+37.94	113.25 RT	(789.34)
AI	70+32.33	132.49 RT	790.39
AJ	70+36.28	131.19 RT	(790.39)
AK	70+35.15	127.41 RT	(790.24)
AL	70+32.85	128.13 RT	(790.22)
AM	70+31.66	124.16 RT	(790.10)



BARTELS ROAD - NW QUADRANT

Point Data			
POINT	STATION	OFFSET	ELEVATION
A	70+35.17	1.34 LT	(788.11)
B	70+32.67	2.79 LT	(788.47)
C	70+34.00	0.70 RT	(788.22)
D	70+31.31	0.13 RT	788.19
E	70+23.66	0.68 LT	788.27
F	70+22.18	8.99 LT	787.73
G	70+21.31	13.92 LT	787.66
H	70+26.51	10.98 LT	(787.75)
I	70+23.58	15.03 LT	(787.77)
J	70+21.15	13.80 RT	(788.47)
K	70+20.67	11.11 RT	788.44
L	70+18.74	0.20 RT	788.27
M	70+17.09	9.07 LT	(787.65)
N	70+17.42	14.06 LT	(787.60)
O	70+16.63	15.95 RT	(788.45)
P	70+15.63	13.36 RT	(788.83)
Q	70+25.65	56.13 RT	(789.06)
R	70+31.35	55.23 RT	(789.28)
S	70+59.96	10.32 RT	(789.03)
T	70+59.81	0.32 RT	(788.64)
U	70+28.86	7.97 RT	788.35
V	70+27.03	6.15 RT	788.33

LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8

DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8

CLASS C PATCHES, 11"

CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

MODEL: ADA Bartles Dr North [Sheet]
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\191491-sht-ADA BartelsDr-WestHalf.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = KenCortopassi	DESIGNED - LV	REVISED -	
	DRAWN - LV	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

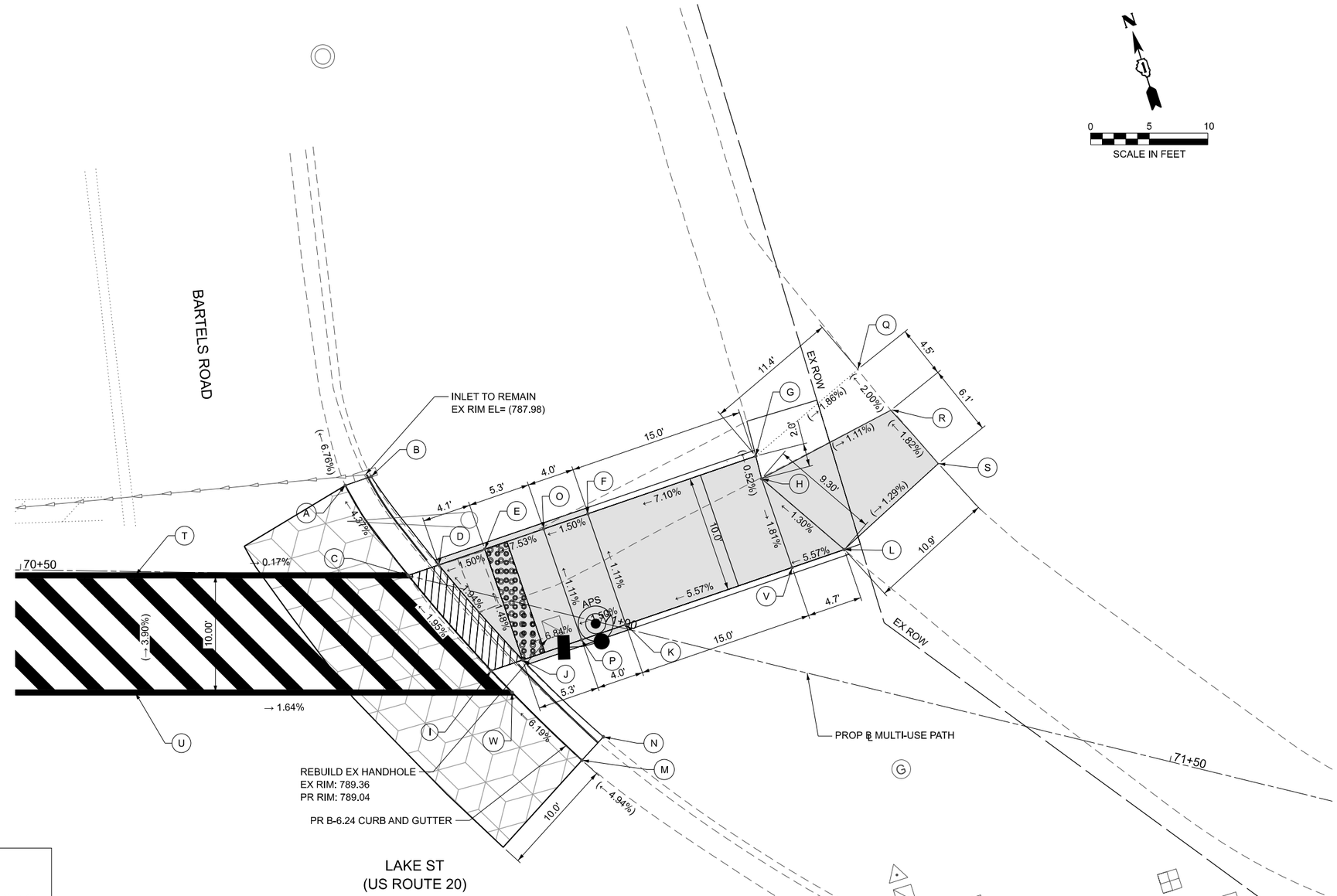
LAKE ST (IL RTE 20) AND ARLINGTON DR/BARTELS RD
PROPOSED ADA PLAN - NW AND SW QUADRANT

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	46
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

BARTELS DRIVE - NE QUADRANT

Point Data			
POINT	STATION	OFFSET	ELEVATION
A	70+77.61	7.61 LT	(788.19)
B	70+79.81	8.41 LT	(788.47)
C	70+83.09	0.03 LT	788.60
D	70+85.41	1.51 LT	788.58
E	70+88.90	3.75 LT	788.64
F	71+05.28	14.25 LT	789.10
G	71+09.49	16.95 LT	(790.18)
H	71+10.43	15.20 LT	(790.19)
I	70+91.90	6.20 RT	788.81
J	70+94.29	4.67 RT	788.79
K	71+10.68	5.83 LT	789.21
L	71+18.72	10.99 LT	(790.31)
M	71+01.23	11.79 RT	(789.48)
N	71+02.53	9.41 RT	(789.76)
O	70+97.32	9.15 LT	789.04
P	71+02.71	0.73 LT	789.15
Q	71+16.58	29.90 LT	(789.97)
R	71+19.82	23.54 LT	(790.06)
S	71+24.81	19.99 LT	(790.17)
T	70+59.81	0.35 RT	(788.64)
U	70+59.96	10.32 RT	(789.03)
V	71+14.76	8.45 LT	790.04
W	70+94.07	7.59 RT	788.97



LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8
DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8
CLASS C PATCHES, 11"
CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

MODEL: Bartels Dr North-1 [Sheet]
FILE NAME: Z:\2023\232181 Multi-UsePathLakeSt\GaryAvetoMetra\09-CADD\3_Sheets\191491-sht-ADA BartelsDr-NEcorner.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = Ivo	DESIGNED - SMN	REVISED -	
	DRAWN - SMN	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 1/16/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

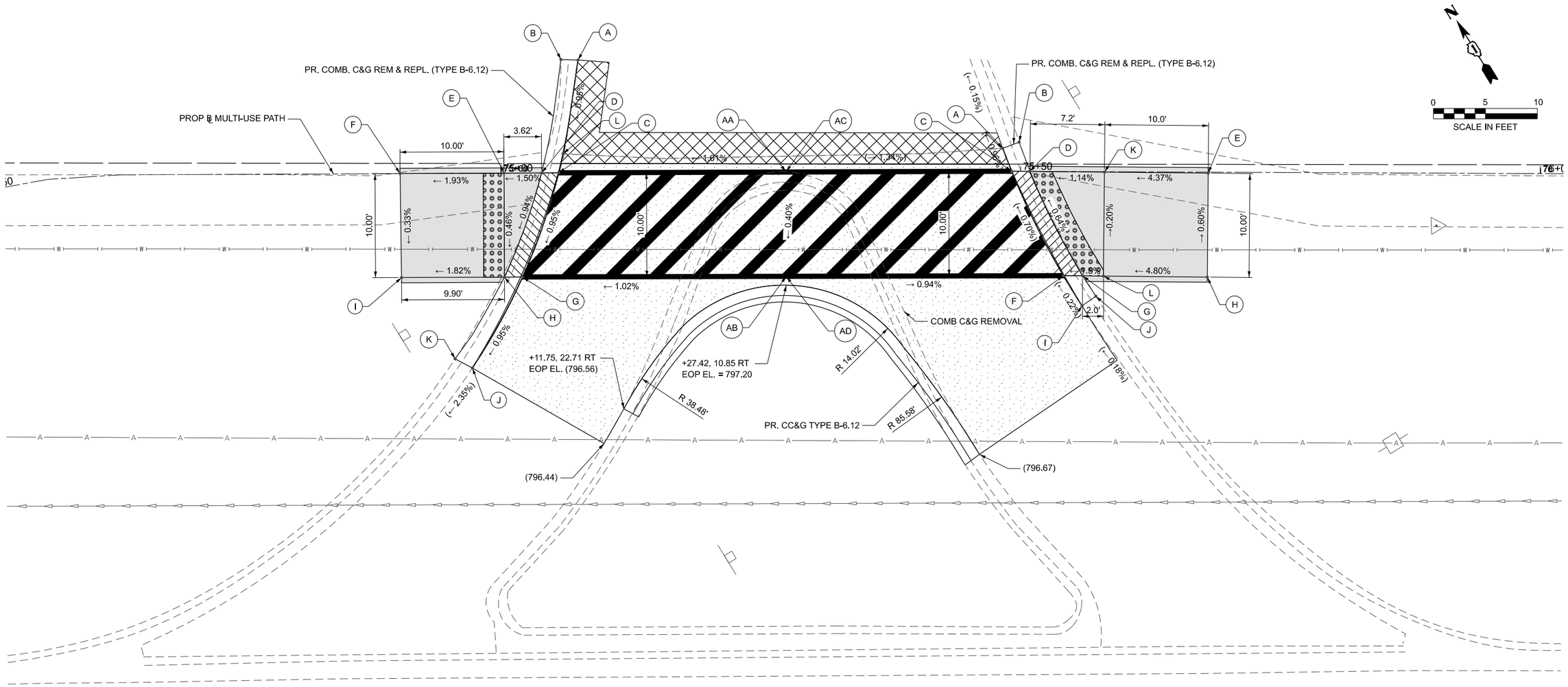
LAKE ST (IL RTE 20) AND ARLINGTON DR/BARTELS RD
PROPOSED ADA PLAN - NE QUADRANT

SCALE: 1"=5' | SHEET OF SHEETS | STA. 70+07.65 TO STA. 71+27.65

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	47

CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT



COMMERCIAL ENTRANCE (STA 75+27.42) NW QUANDRANT

Corner Points SOE Table			
POINT	STATION	OFFSET	ELEVATION
A	75+07.44	10.85 LT	(797.01)
B	75+05.80	10.91 LT	(797.49)
C	75+05.54	0.01 LT	796.91
D	75+03.91	0.01 LT	796.90
E	75+00.29	0.01 LT	796.85
F	74+90.29	0.01 LT	(796.65)
G	75+02.03	9.99 RT	796.81
H	75+00.29	9.99 RT	796.80
I	74+90.39	9.99 RT	796.62
J	74+97.17	18.71 RT	(796.72)
K	74+95.51	17.83 RT	(797.10)
L	75+05.97	1.85 LT	796.93
AA	75+27.42	0.06 LT	(797.26)
AB	75+27.42	10.00 RT	797.22

COMMERCIAL ENTRANCE (STA 75+27.42) NE QUANDRANT

Corner Points SOE Table			
POINT	STATION	OFFSET	ELEVATION
A	75+48.28	2.23 LT	(796.94)
B	75+49.91	2.67 LT	(796.99)
C	75+49.14	0.02 LT	(796.97)
D	75+50.86	0.00 RT	796.96
E	75+65.86	0.06 RT	797.48
F	75+54.15	10.01 RT	(797.04)
G	75+56.00	10.02 RT	797.03
H	75+65.75	10.06 RT	797.54
I	75+55.96	12.90 RT	(797.05)
J	75+57.28	11.97 RT	(797.53)
K	75+58.06	0.06 RT	797.04
L	75+58.06	10.06 RT	797.06
AC	75+27.42	0.06 LT	(797.26)
AD	75+27.42	10.00 RT	797.22

+27.42 , CE

LAKE ST
(US ROUTE 20)

LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB
DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8
DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8
CLASS C PATCHES, 11"
CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

MODEL: CommEntrance
FILE NAME: Z:\2023\232181 MultiUsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\191491-sht-ADA CommEntrance.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = KenCortopassi	DESIGNED - SMN	REVISED -	
	DRAWN - SMN	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 4/7/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

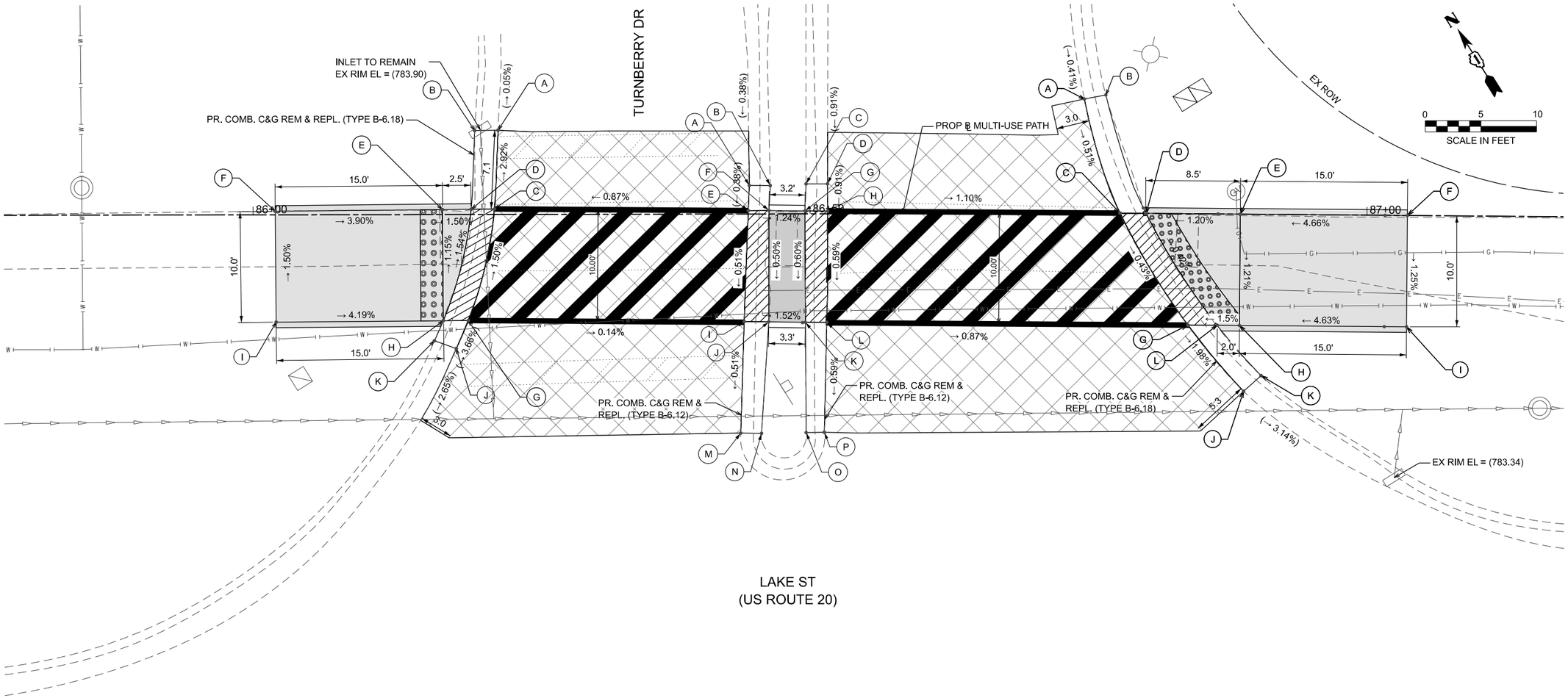
LAKE ST (US RTE 20) COMMERCIAL ENTRANCE (STA 75+27.42)
PROPOSED ADA PLAN

SCALE: 1" = 5' | SHEET OF SHEETS | STA. 74+70.53 TO STA. 76+20.53

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	48

CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT



TURNBERRY DRIVE (STA 86+20) - NW QUADRANT

Point Data			
POINT	STATION	OFFSET	ELEVATION
A	86+22.00	7.57 LT	(784.09)
B	86+19.90	7.53 LT	(784.41)
C	86+21.67	0.49 LT	784.29
D	86+19.58	0.48 LT	784.26
E	86+16.99	0.45 LT	784.30
F	85+93.46	0.25 LT	(784.89)
G	86+19.31	9.52 RT	(784.45)
H	86+17.05	9.54 RT	784.42
I	85+93.53	9.70 RT	(785.05)
J	86+18.22	12.05 RT	(784.55)
K	86+16.26	11.34 RT	(784.96)

TURNBERRY DRIVE (STA 86+45) - MEDIAN

Point Data			
POINT	STATION	OFFSET	ELEVATION
A	86+44.55	2.57 LT	(784.39)
B	86+46.43	2.55 LT	(785.01)
C	86+49.64	2.70 LT	(784.93)
D	86+51.56	2.70 LT	(784.36)
E	86+44.46	0.31 LT	784.38
F	86+46.31	0.32 LT	784.35
G	86+49.54	0.27 LT	784.31
H	86+51.57	0.25 LT	(784.34)
I	86+44.06	9.66 RT	784.33
J	86+46.27	9.68 RT	784.30
K	86+49.56	9.73 RT	784.25
L	86+51.49	9.74 RT	(784.28)
M	86+43.74	19.67 RT	(784.28)
N	86+45.61	19.70 RT	(784.88)
O	86+49.61	19.63 RT	(784.82)
P	86+51.24	19.61 RT	(784.22)

TURNBERRY DRIVE (STA 86+80) - NE QUADRANT

POINT DATA			
POINT	STATION	OFFSET	ELEVATION
A	86+74.65	10.27 LT	(784.11)
B	86+76.69	10.67 LT	(784.52)
C	86+77.83	0.02 LT	(784.05)
D	86+80.17	0.00 LT	784.02
E	86+88.63	0.00 RT	784.12
F	87+03.63	0.00 LT	784.82
G	86+83.99	10.00 RT	(784.00)
H	86+88.63	10.00 RT	784.00
I	87+03.63	10.00 RT	784.70
J	86+89.04	15.90 RT	(783.85)
K	86+90.54	14.45 RT	(784.26)
L	86+86.63	10.00 RT	783.97

LEGEND:

(XXX.XX) - EX ELEVATION
XXX.XX - PR ELEVATION
(← X.XX%) - EX SLOPE
← X.XX% - PR SLOPE
PR DEPRESSED CURB

DRIVE PAVEMENT REM
PR HMA SC IL-9.5, MIX D, N50, 2"
PR HMA BASE CSE, 8

DRIVE PAVEMENT REM
PR PCC DRIVEWAY PAVT 8

CLASS C PATCHES, 11"

CLASS D PATCHES

NOTE - SEE IDOT DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR PROPOSED TRAFFIC SIGNAL LEGEND

MODEL: ADA Turnberry Rd MED [Sheet]
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\191491-sht-ADA TurnberryDr.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = KenCortopassi	DESIGNED - SMN	REVISED -	
	DRAWN - SMN	REVISED -	
	CHECKED - KAC	REVISED -	
PLOT DATE = 04/07/2025	DATE - 04/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE ST (US RTE 20) TURNBERRY DR
PROPOSED ADA PLAN

SCALE: 1"=5' | SHEET OF SHEETS | STA. 86+05.47 TO STA. 86+95.47

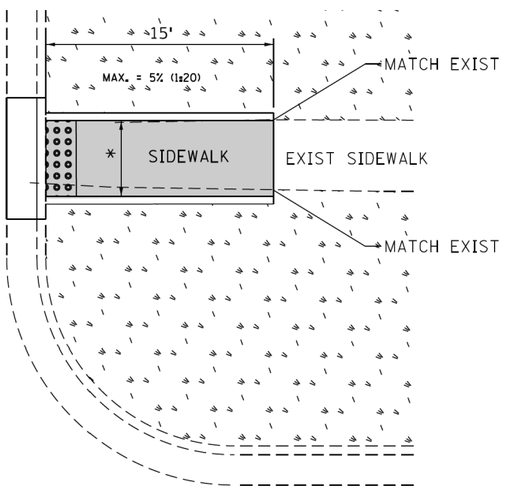
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	49

CONTRACT NO. 61L35

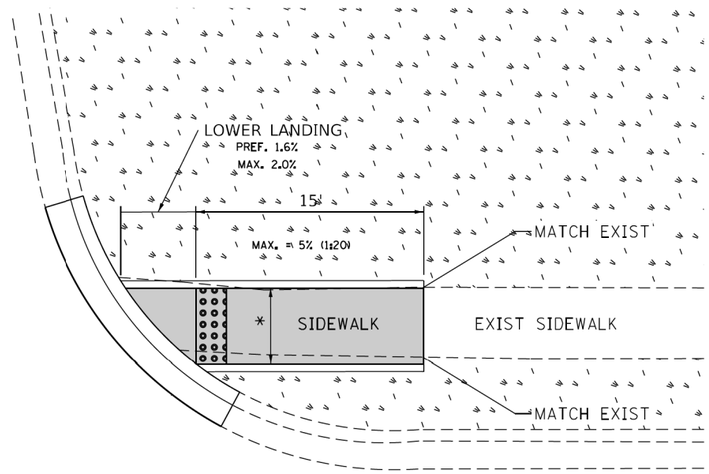
ILLINOIS | FED. AID PROJECT

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

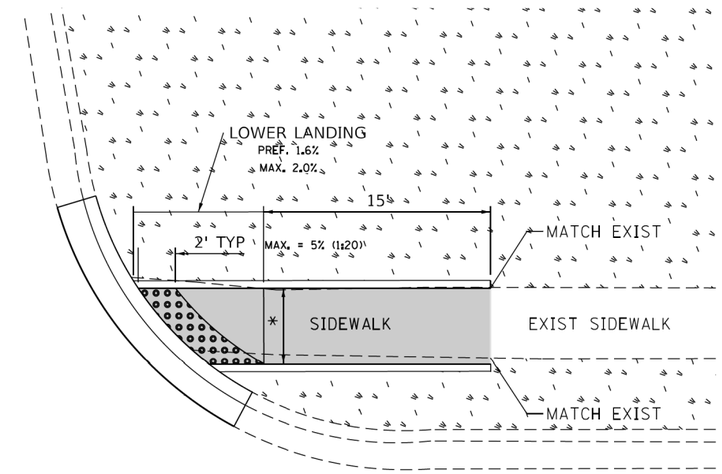
PD-01A



PD-01B



PD-01C



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

FILE NAME = St\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht-plan.dgn	USER NAME = ledezmarm	DESIGNED - --- --/--/----	REVISED -
	PLOT SCALE = 10.0000 ' / in.	DRAWN - RL 11/12/2019	REVISED -
Default	PLOT DATE = 12/17/2019	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

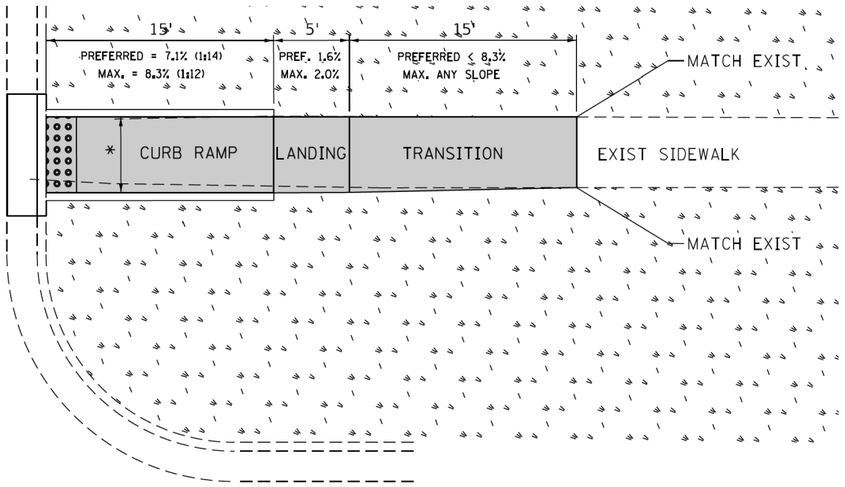
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)

SCALE: SHEET OF SHEETS STA. TO STA.

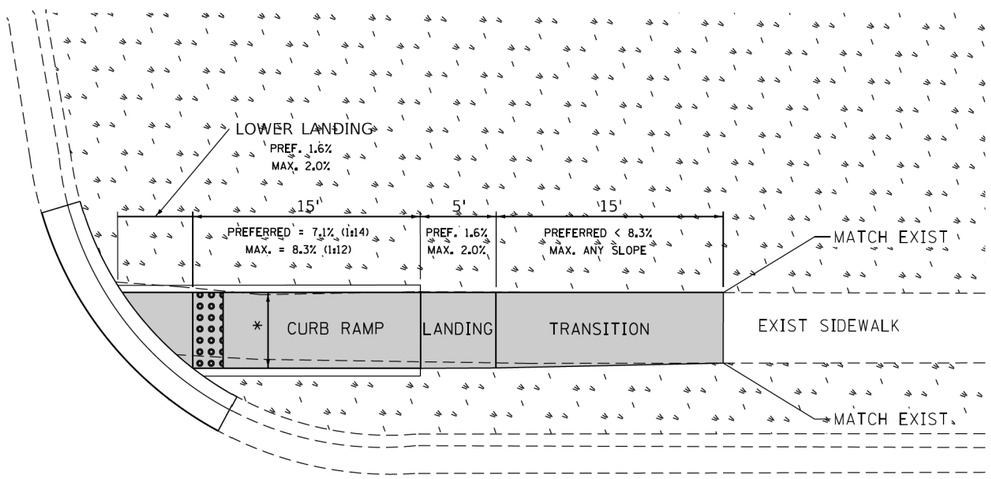
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	50
	PD-01	CONTRACT NO. 61L35		
		ILLINOIS FED. AID PROJECT		

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR GREATER RUN. SLOPE

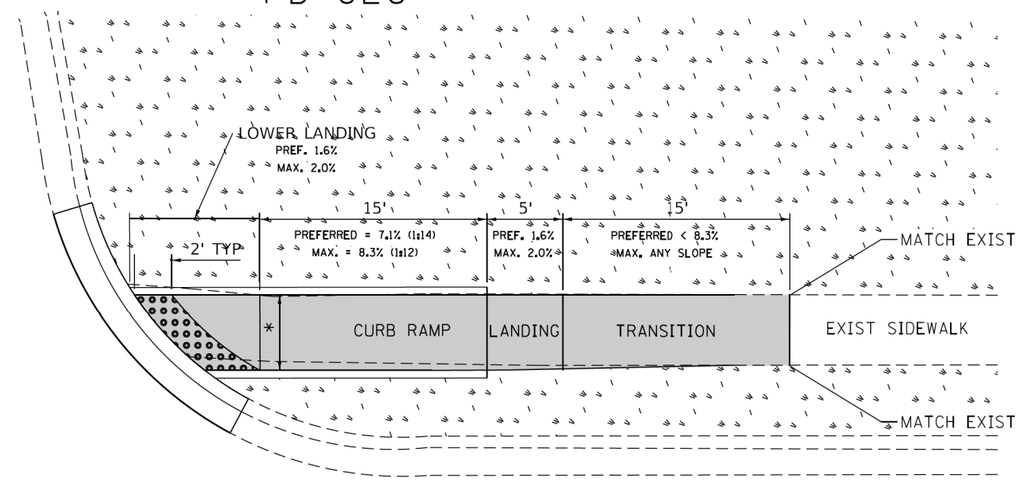
PD-02A



PD-02B



PD-02C



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

FILE NAME =	USER NAME = ledezmarm	DESIGNED - ___ __/__/____	REVISED -
St\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht-plan.dgn		DRAWN - RL 11/12/2019	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD–02)

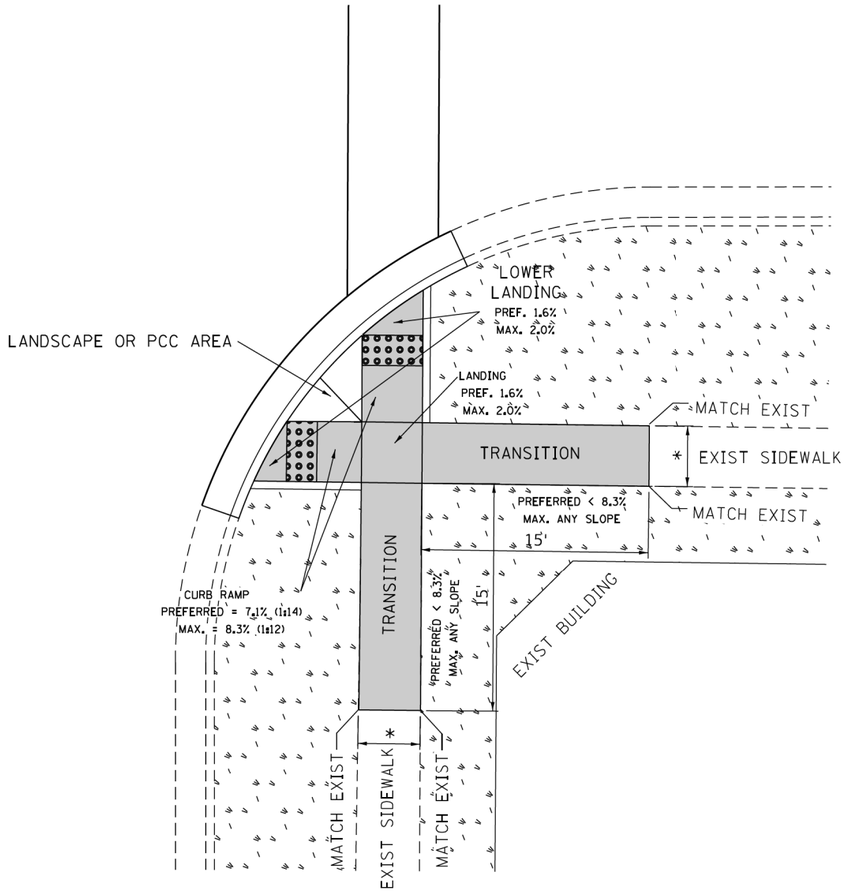
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	51
	PD-02	CONTRACT NO. 61L35		

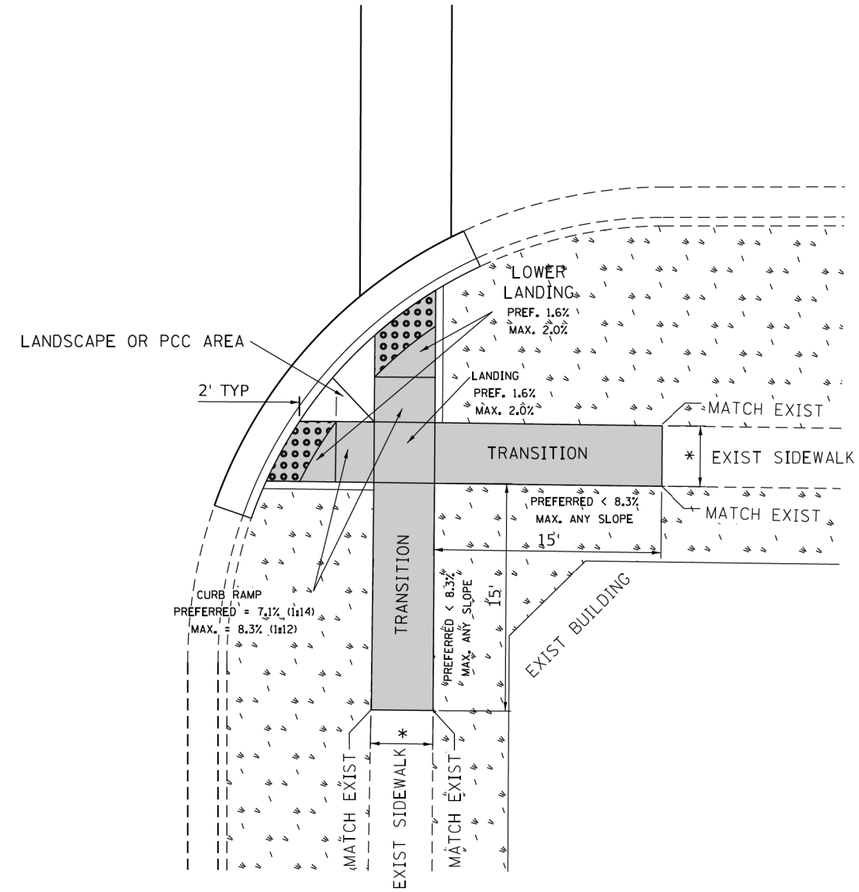
ILLINOIS FED. AID PROJECT

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

FILE NAME =	USER NAME = ledezmarm	DESIGNED - --- --/--/----	REVISED -
S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht-plan.dgn		DRAWN - RL 11/12/2019	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

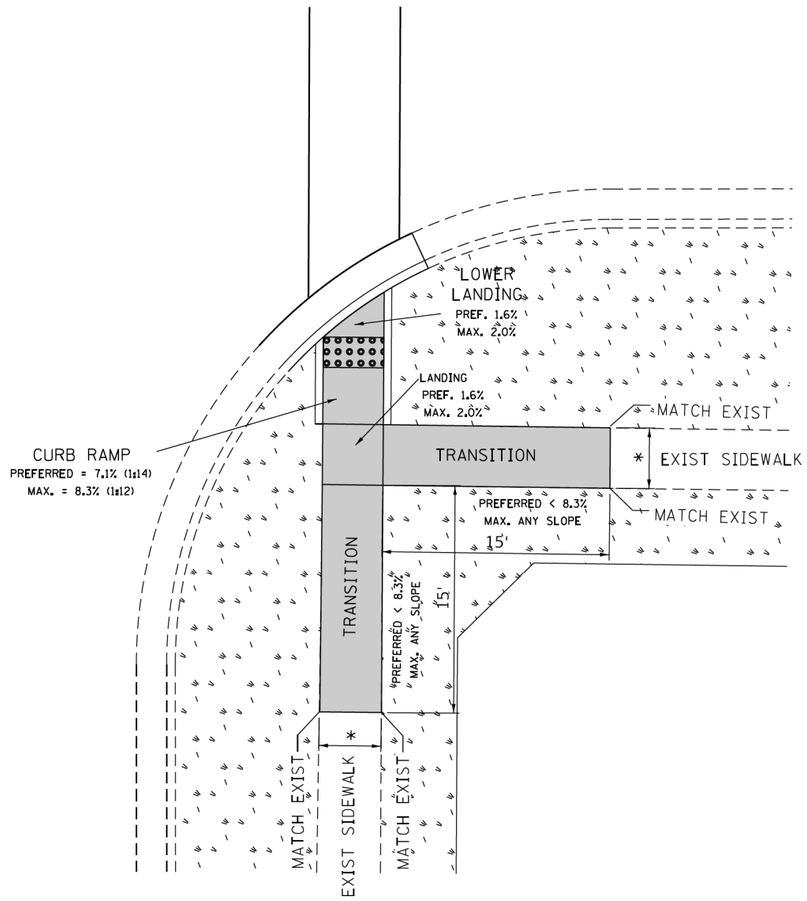
PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)

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

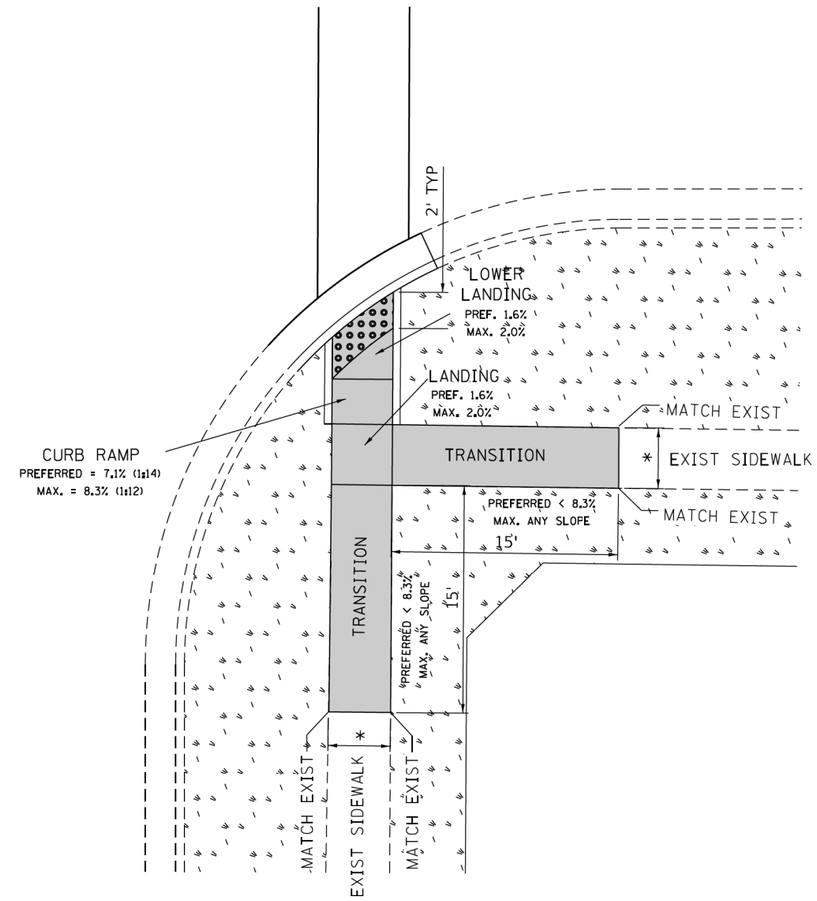
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	52
	PD-03	CONTRACT NO. 61L35		
	ILLINOIS FED. AID PROJECT			

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

FILE NAME =	USER NAME = ledezmarm	DESIGNED - --- --/--/----	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

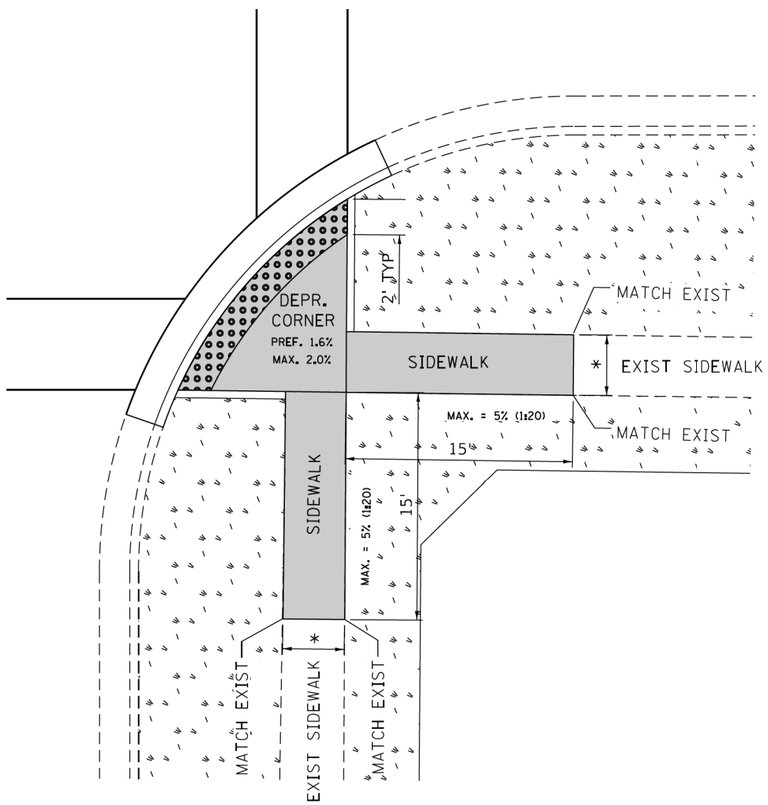
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/TURNING SPACE (PD-04)

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

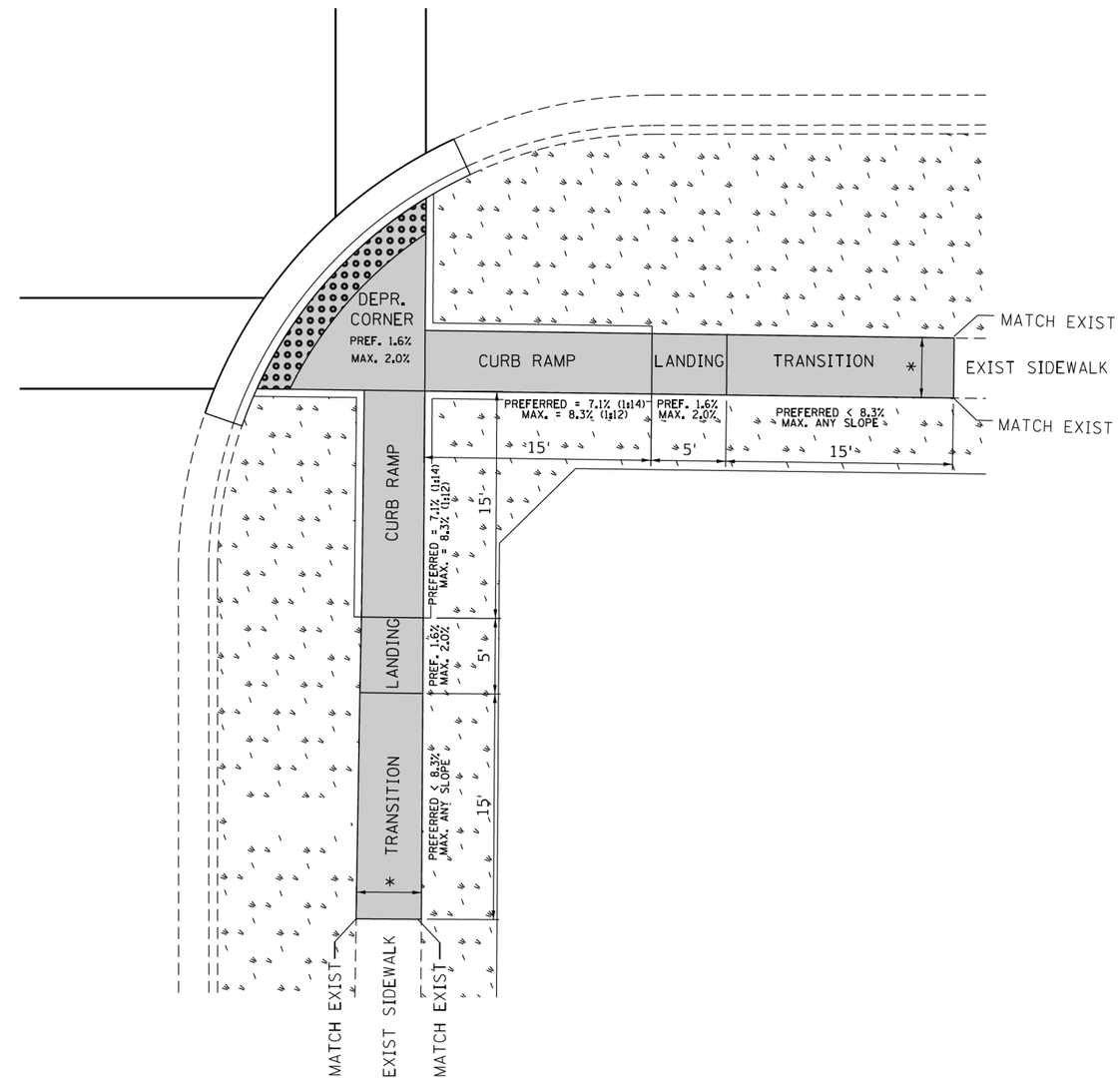
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	53
	PD-04	CONTRACT NO. 61L35		
	ILLINOIS	FED. AID PROJECT		

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

FILE NAME =	USER NAME = ledezmarm	DESIGNED - --- --/--/----	REVISED -
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Default	PLOT DATE = 12/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

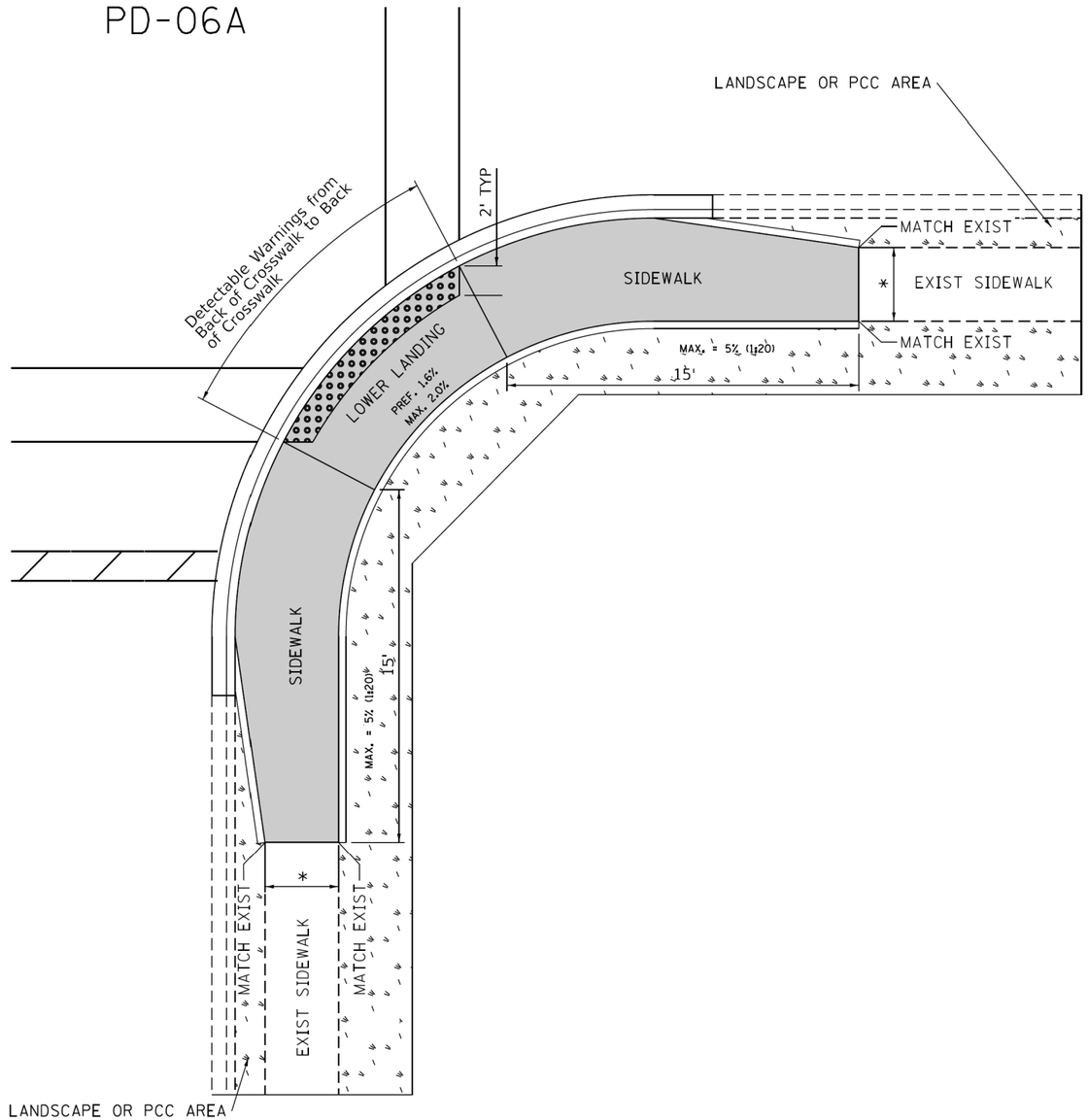
PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS
(PD-05)

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

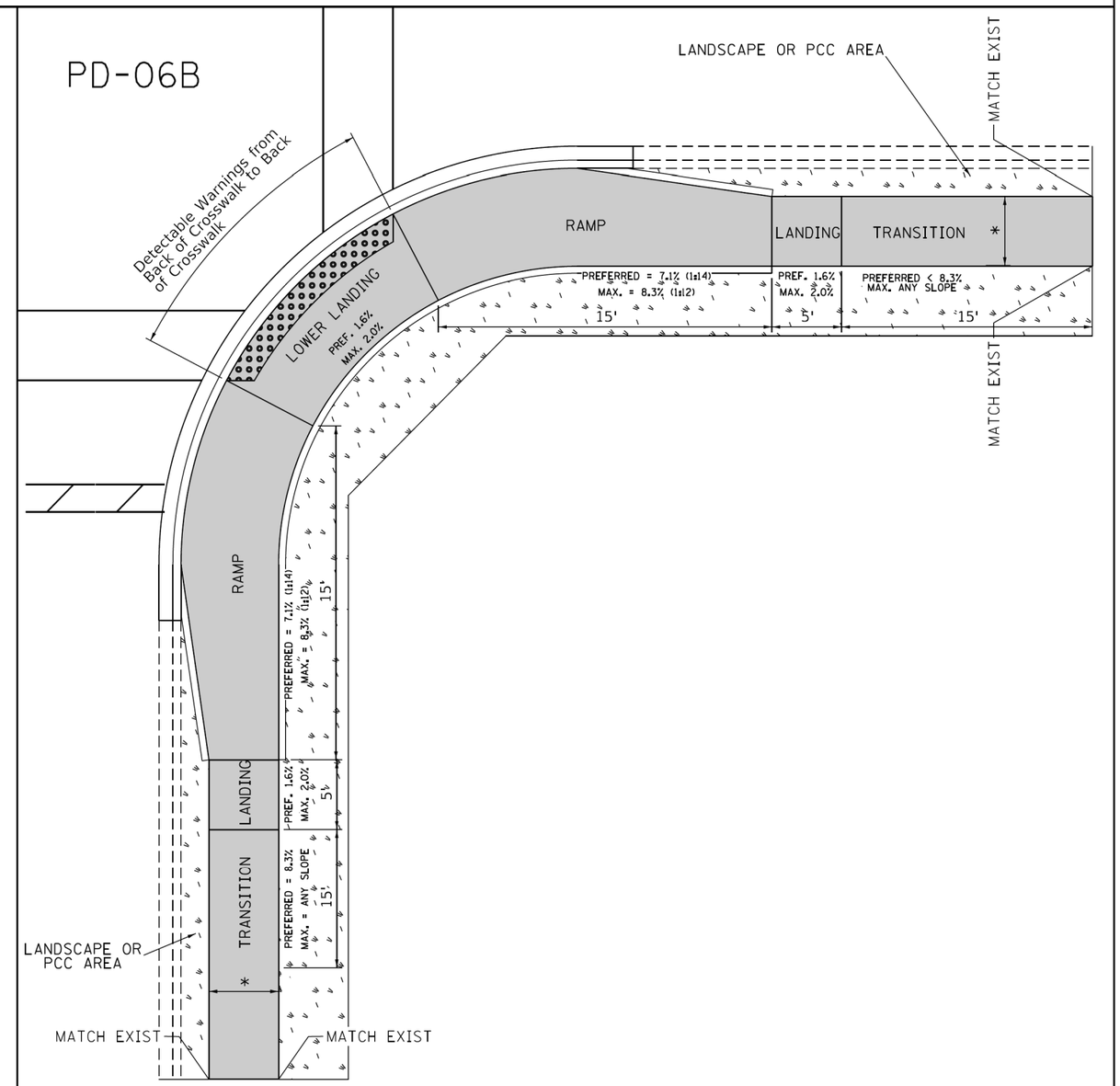
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	54
	PD-05	CONTRACT NO. 61L35		
	ILLINOIS FED. AID PROJECT			

ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

PD-06A



PD-06B



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

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	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR PARALLEL CURB RAMPS
(PD-06)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	55
	PD-06	CONTRACT NO. 61L35		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	T	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H H	H H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G Y G P	R Y G Y G P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G Y G P RB	R Y G Y G P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	56
	TS–05	CONTRACT NO.61L35		
		ILLINOIS	FED. AID PROJECT	

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LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

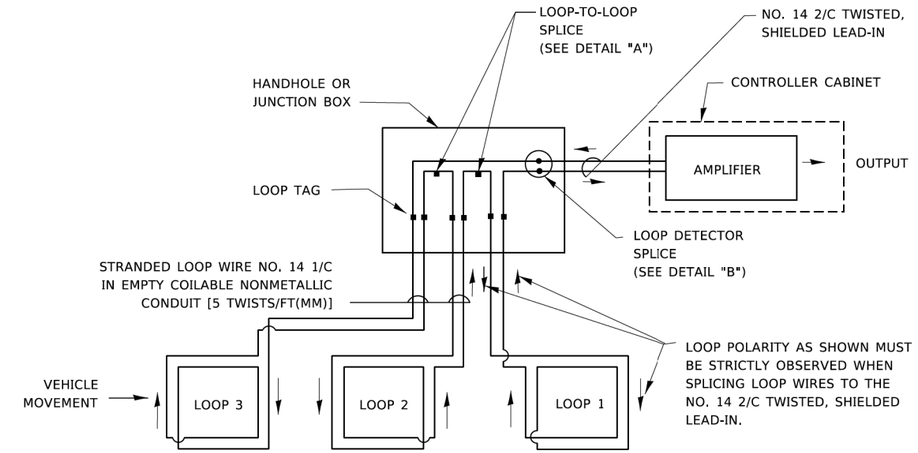
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

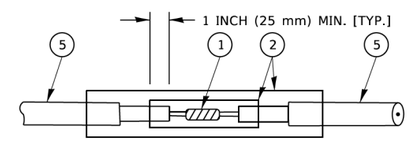
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

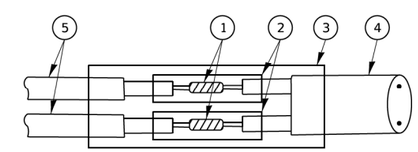


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



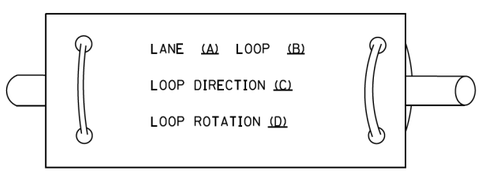
DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP

LOOP LEAD-IN CABLE TAG

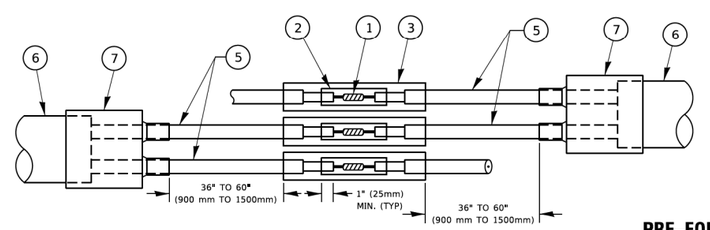


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

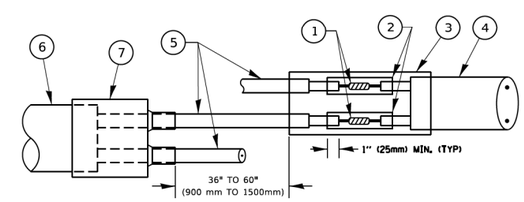
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



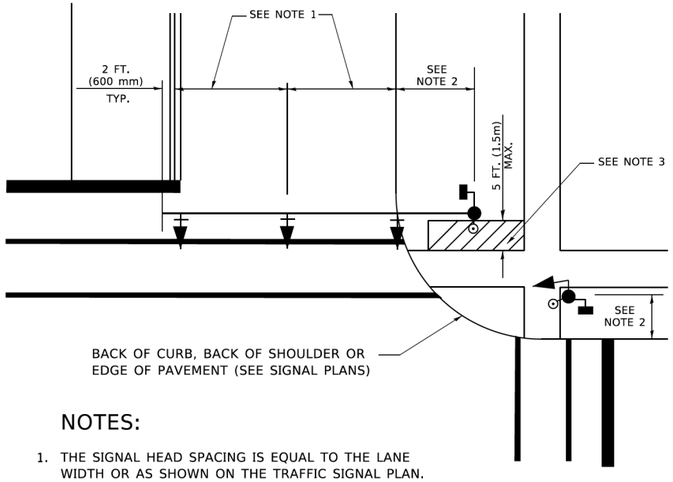
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

1. WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
2. WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
3. WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
4. NO. 14 2/C TWISTED, SHIELDED CABLE.
5. LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
6. XL POLYOLEFIN 2 CONDUCTOR
7. BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

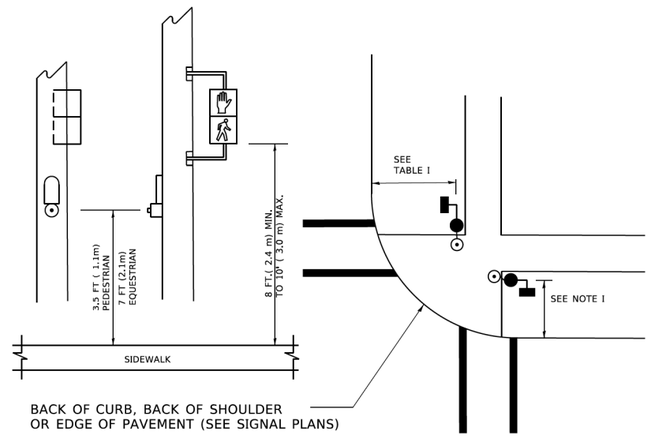
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

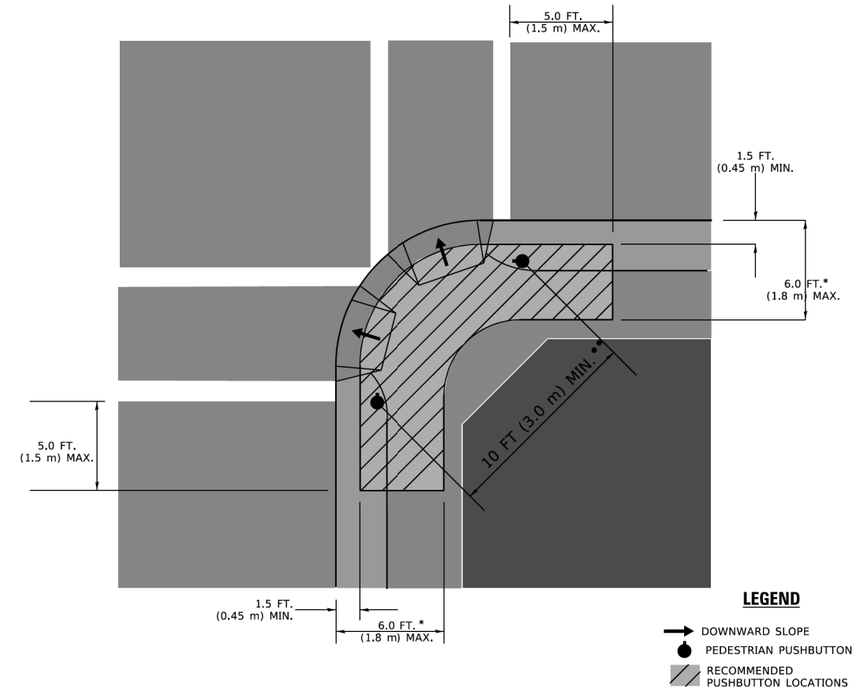
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

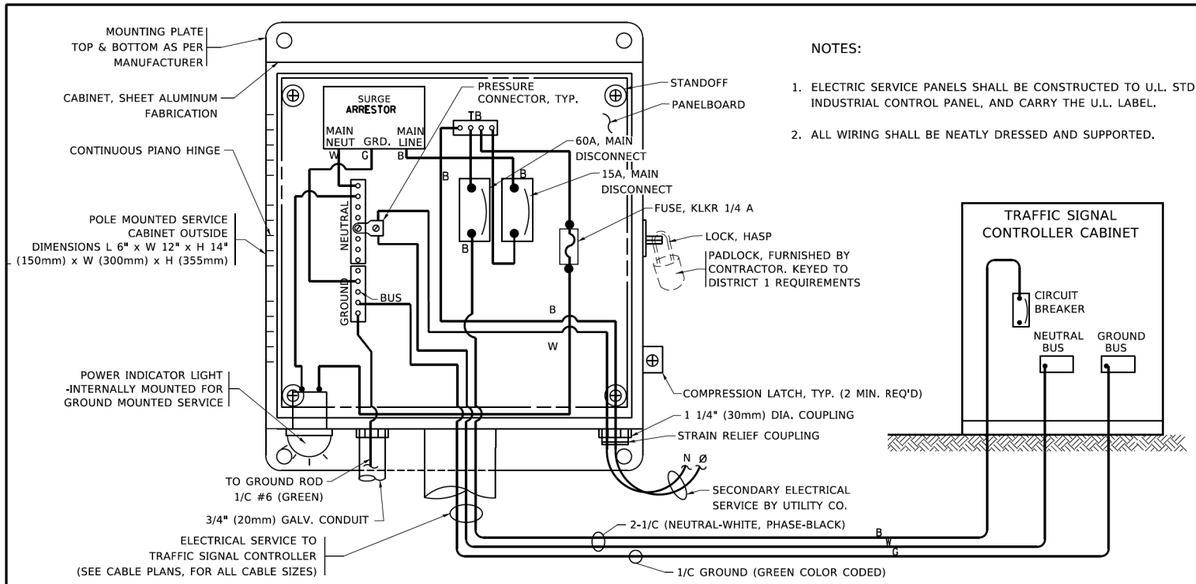
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.



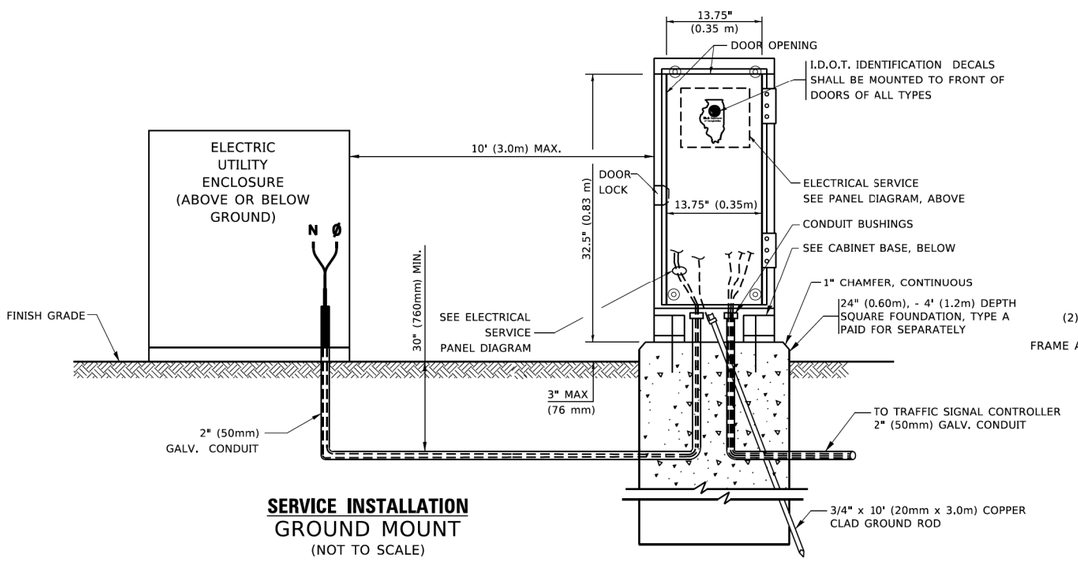
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

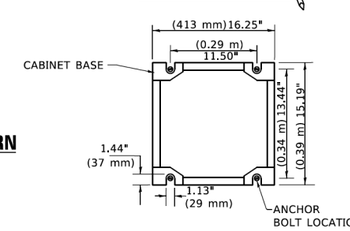
(NOT TO SCALE)



SERVICE INSTALLATION

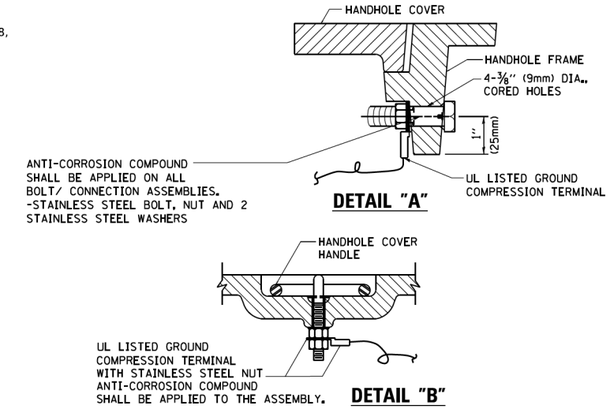
GROUND MOUNT

(NOT TO SCALE)



CABINET – BASE BOLT PATTERN

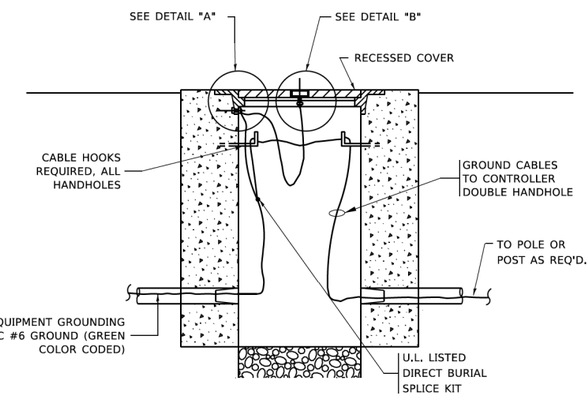
(NOT TO SCALE)



NOTES:

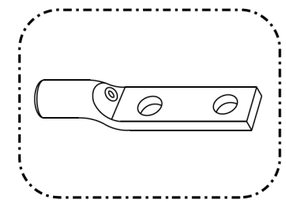
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

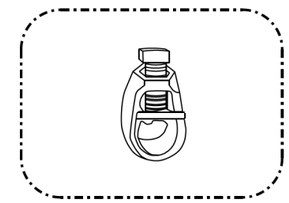


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



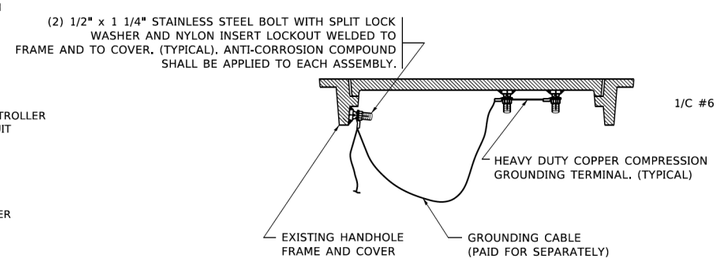
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

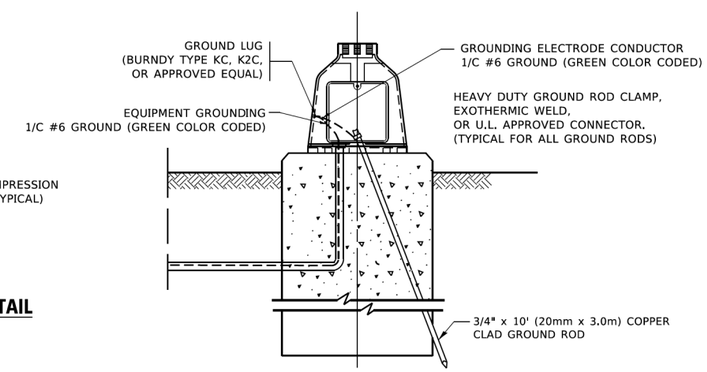
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. TO STA.

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

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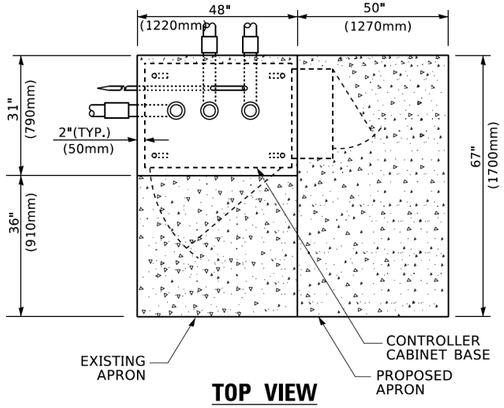
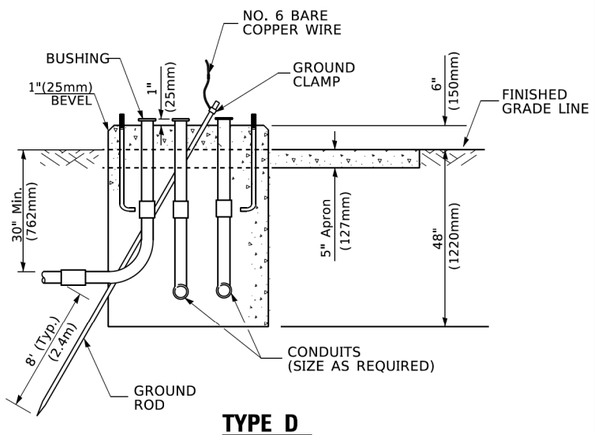
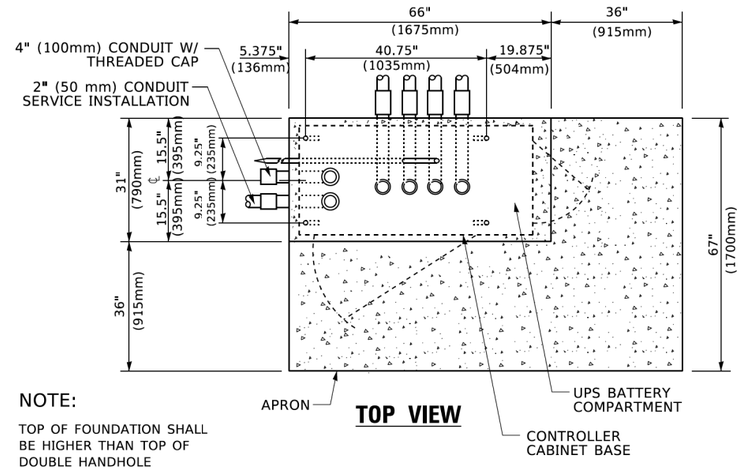


TOP VIEW



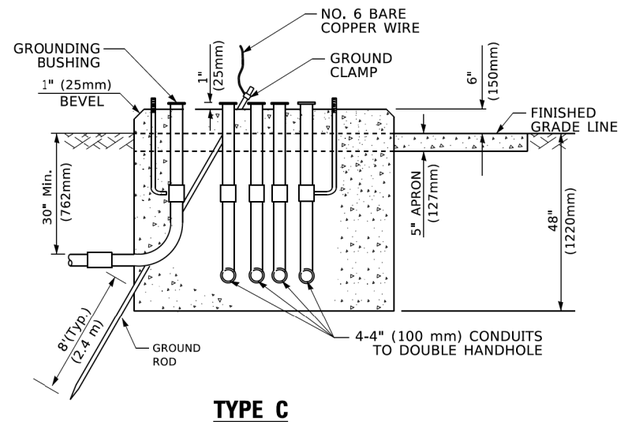
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



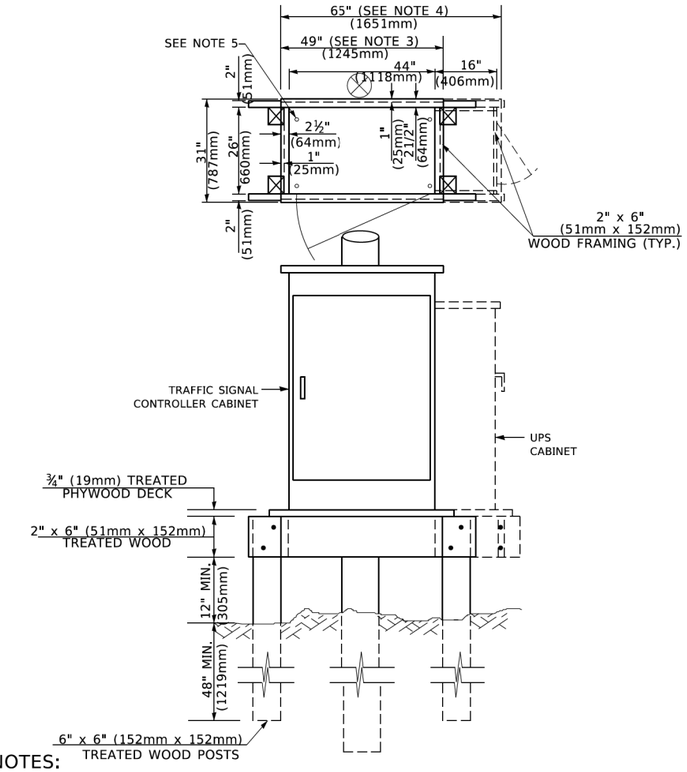
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. TO STA.

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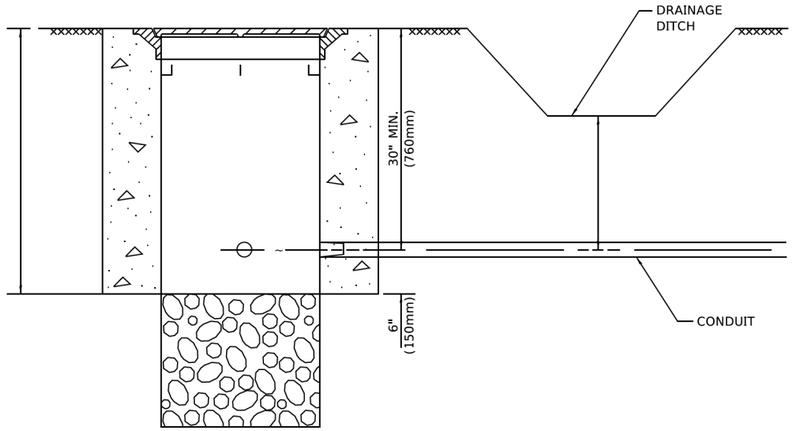
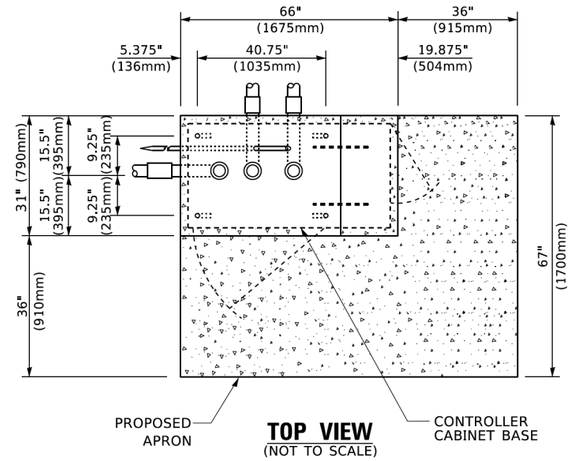


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

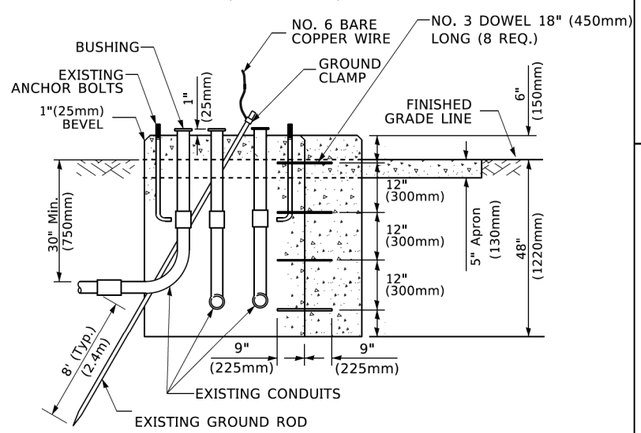
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



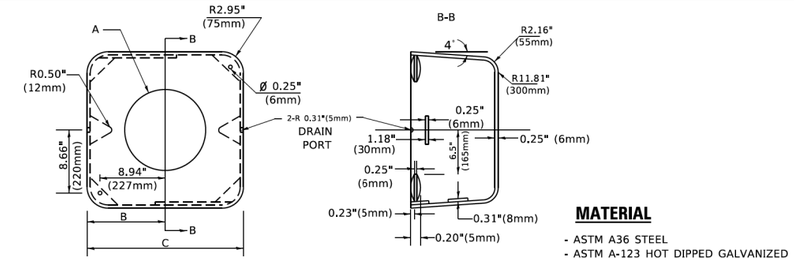
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

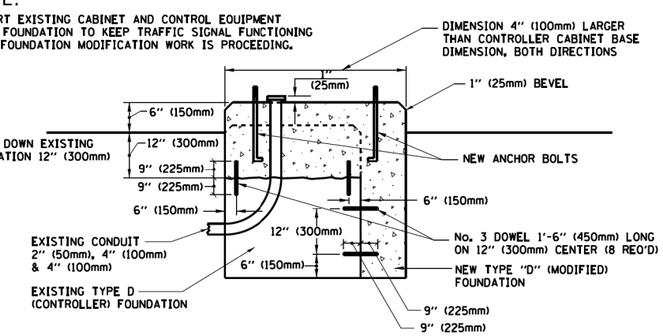
SHROUD

NOTES:

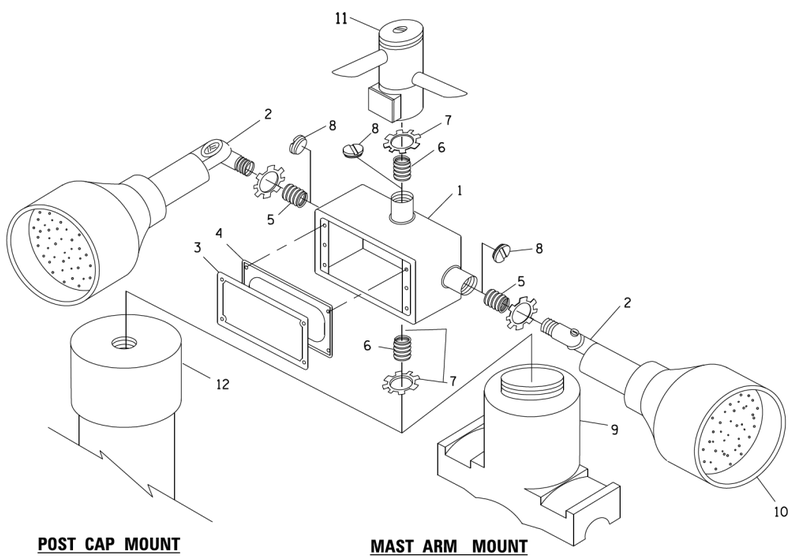
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

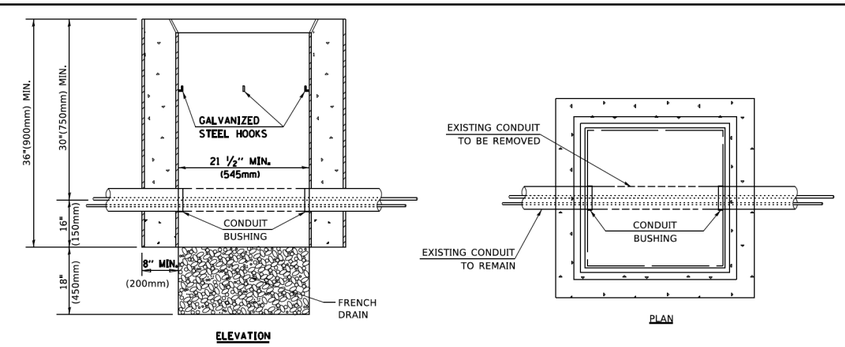
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. TO STA.

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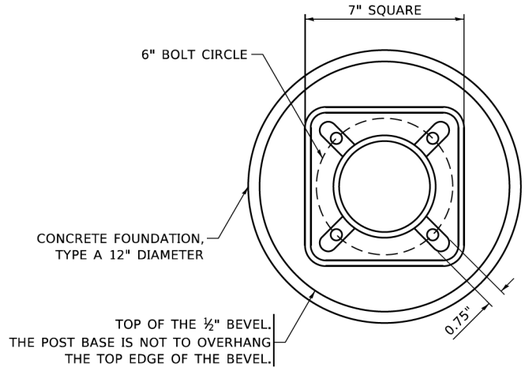
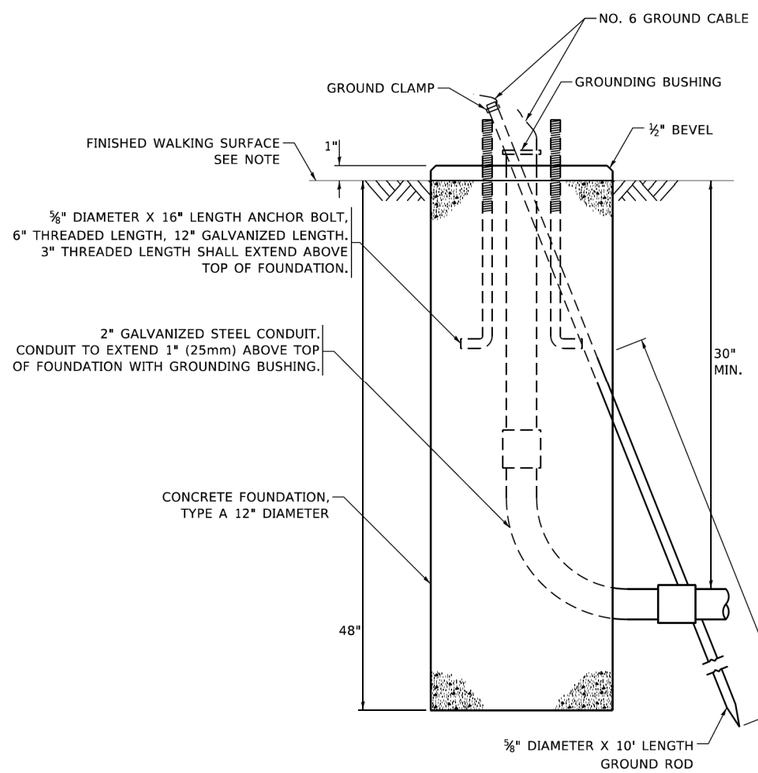


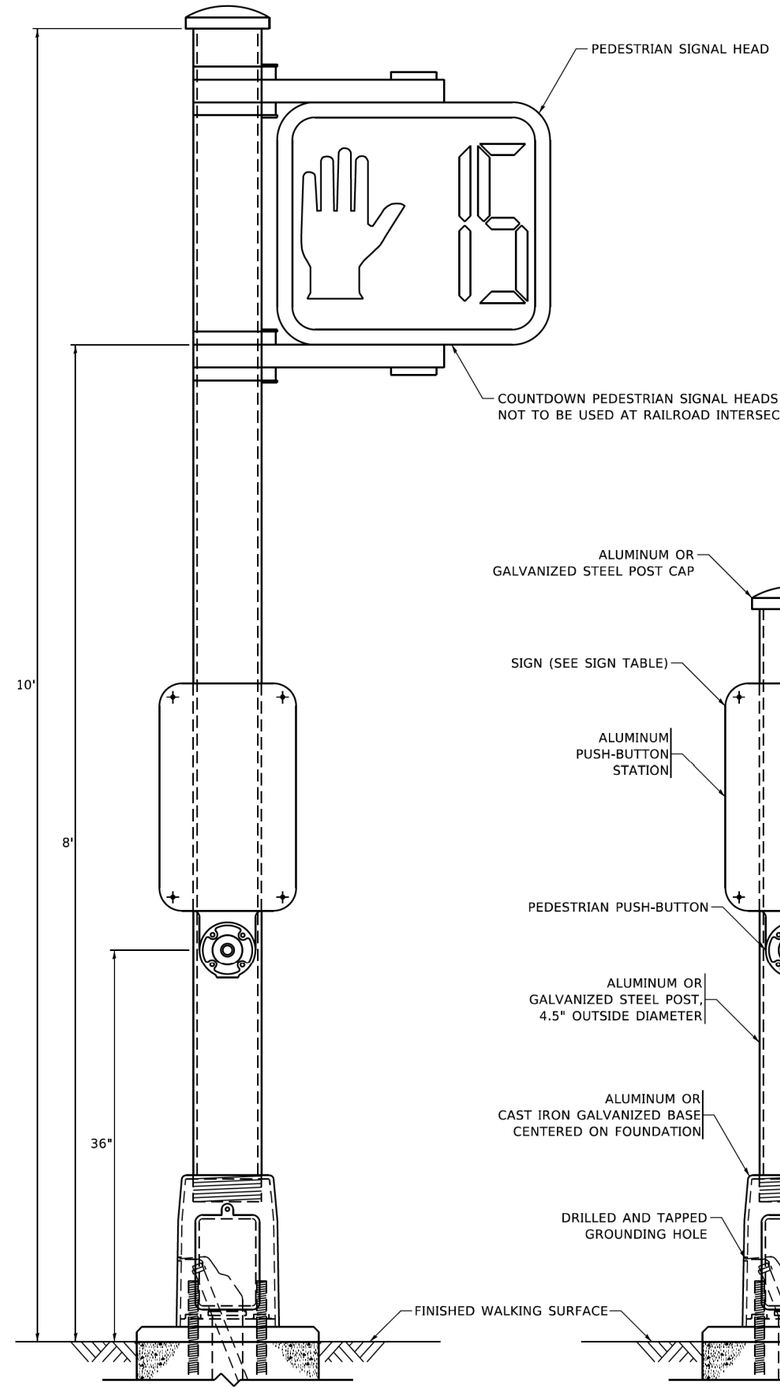
BOLT PATTERN

NOTE:

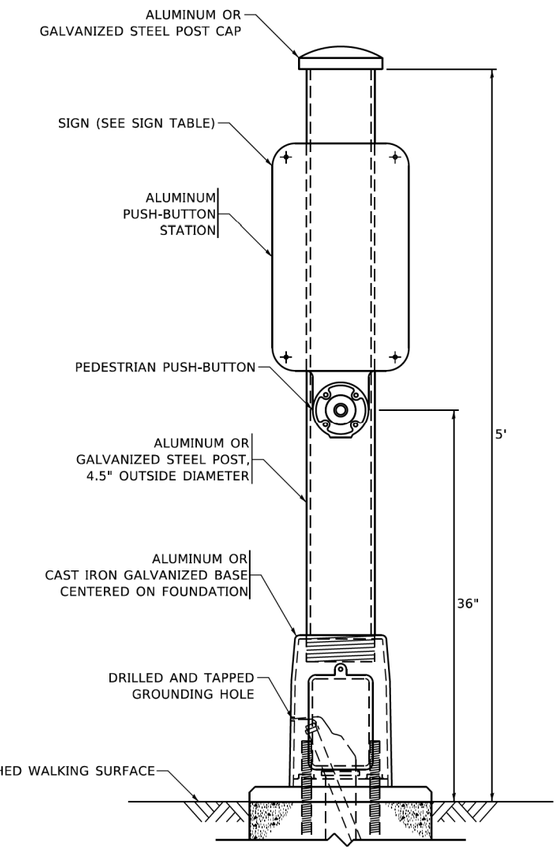
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



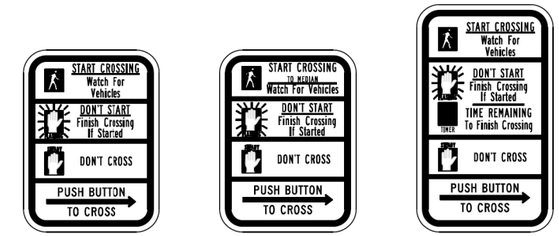
CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



R10–3b **R10–3d** **R10–3e**

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

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DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. TO STA.

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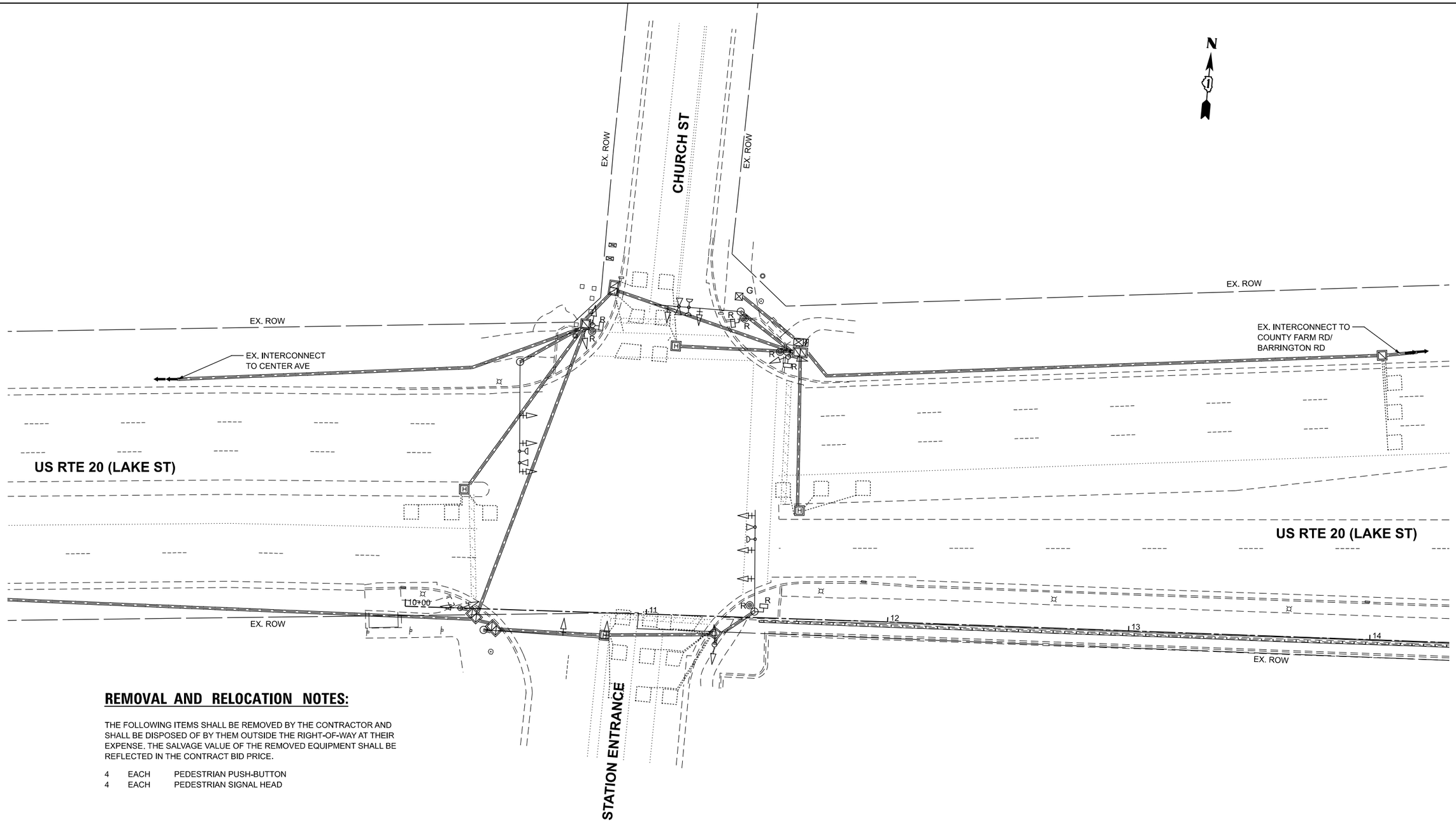


REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4	EACH	PEDESTRIAN PUSH-BUTTON
4	EACH	PEDESTRIAN SIGNAL HEAD

TS 13760
EAGLE 5F

MODEL: TS Removals Church [Sheet]
FILE NAME: Z:\2023\232181 multi-usepath\kestgaryavelometra\09-cad\3_Sheets\232181-sht-ts-removal & temp plans.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

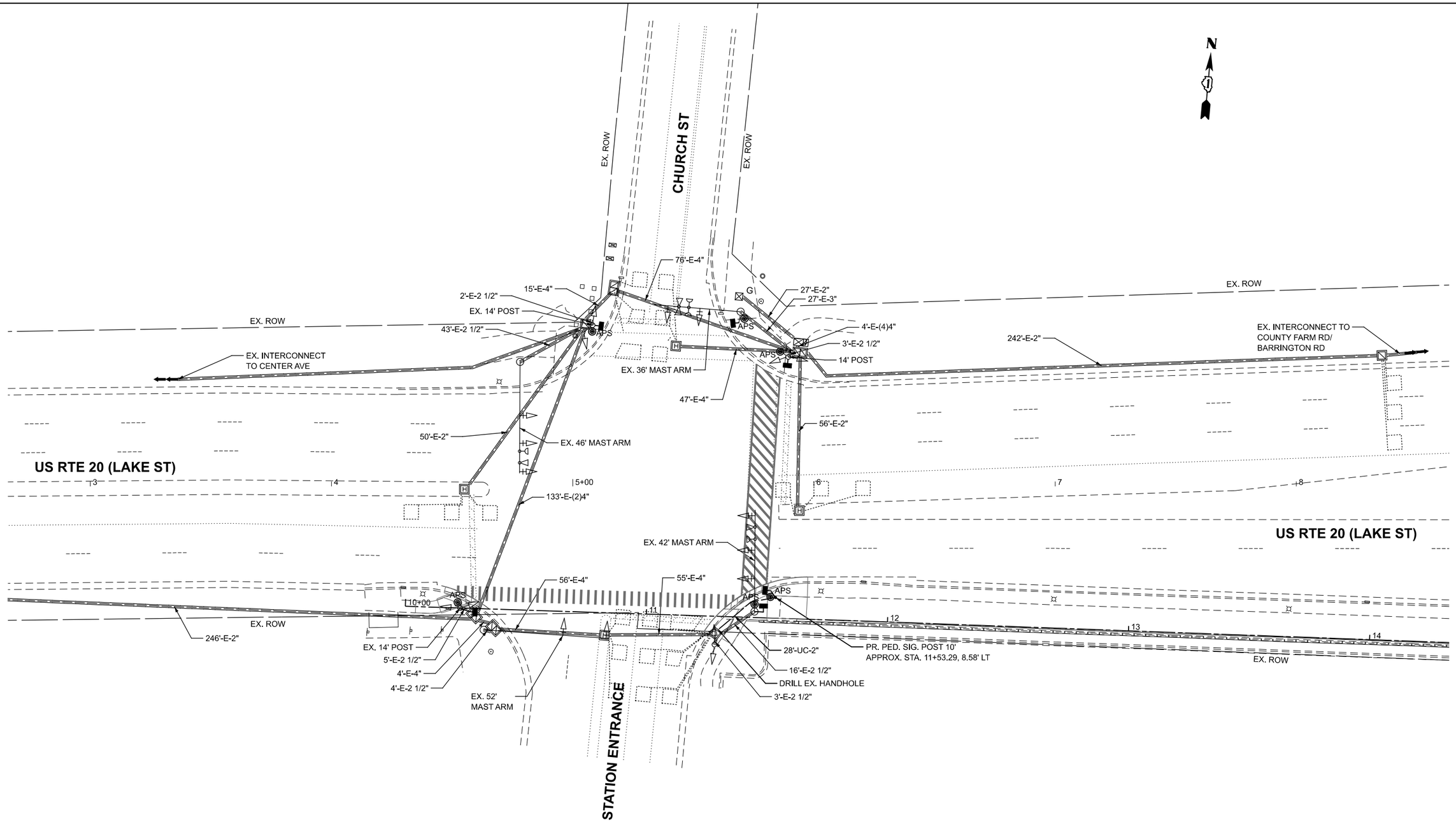
USER NAME = kcortopassi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVE EXISTING TRAFFIC SIGNAL PLAN
TEMPORARY TRAFFIC SIGNAL PLAN
US RTE 20 (LAKE ST) AT CHURCH ST

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	63
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



TS 13760
EAGLE 5F

MODEL: TS Installs Church [Sheet]
FILE NAME: Z:\2023\232181 multi-usepathlakestgaryavetometra\03-cadd\3_Sheets\232181-sht-ts-installation plans.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

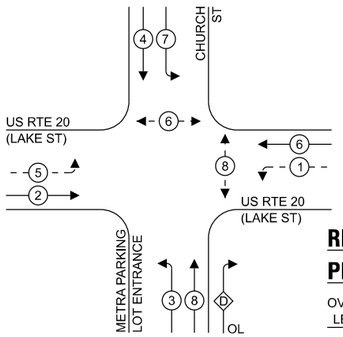
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
US RTE 20 (LAKE ST) AT CHURCH ST

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	64
		CONTRACT NO. TBD		
		ILLINOIS	FED. AID PROJECT	

EXISTING AND PROPOSED CONTROLLER SEQUENCE



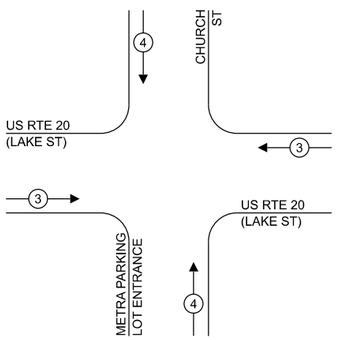
LEGEND:

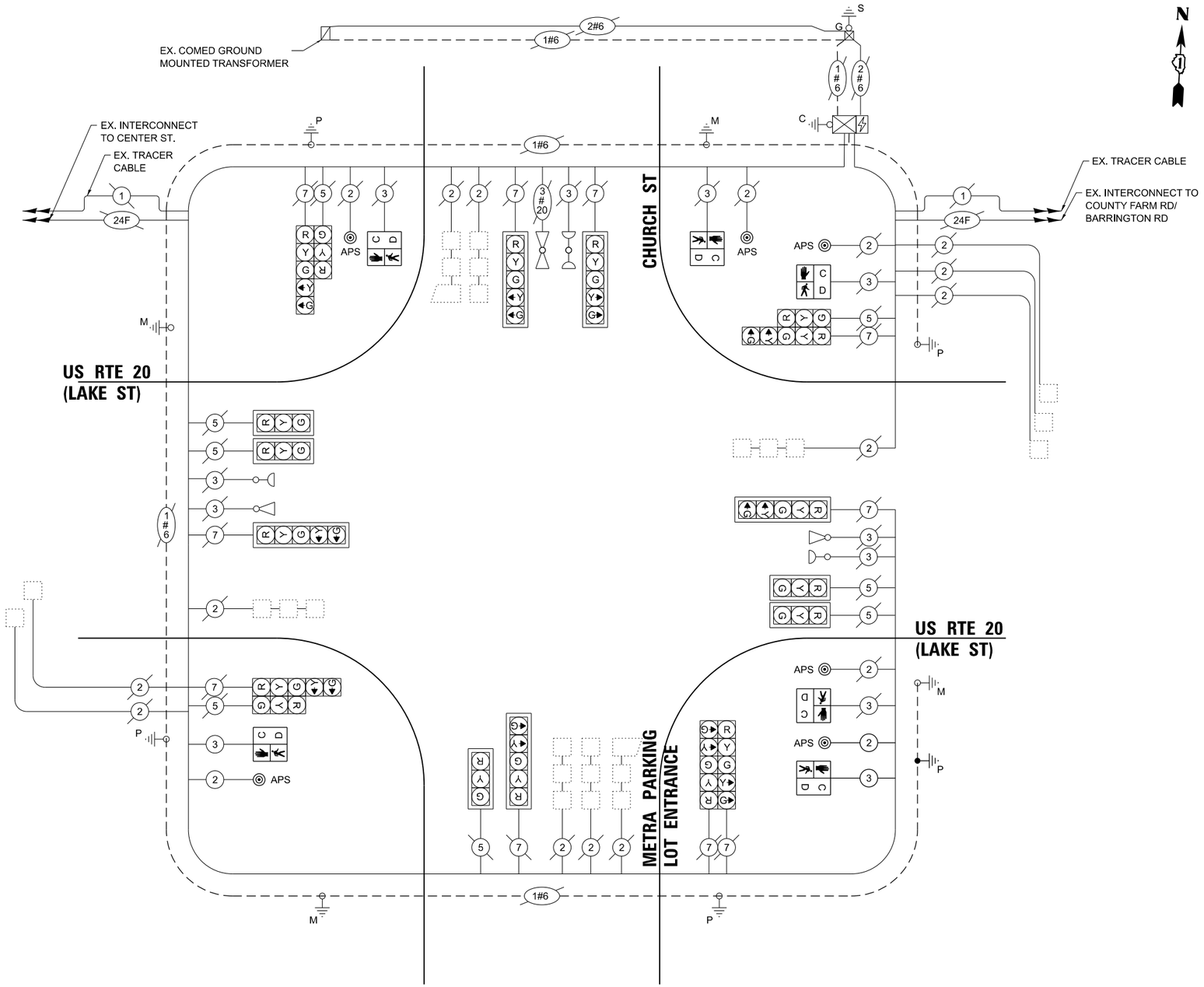
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			483
UPS CHARGING	1	225	225
BATTERY HEATER	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRING SIZING			1088

ENERGY COSTS TO:

VILLAGE OF HANOVER PARK
2121 W LAKE STREET
HANOVER PARK, IL 60133

ENERGY SUPPLY: CONTACT: Cassie Evens
PHONE: (773) 241-0741
COMPANY: COMED
ACCOUNT NUMBER: 0682021222
METER NUMBER: ---

TS 13760
EAGLE 5F

MODEL: Default
FILE NAME: Z:\2023\232181 Multi-UsePathLakeSt\GaryAveto\Metra\09-CADD\3_Sheets\191491-sht-cable plan-Church.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - $DESIGNED	REVISED -	
	DRAWN - $DRAWN	REVISED -	
	CHECKED - $CHECKED	REVISED -	
PLOT DATE = 1/20/2025	DATE - $SDAT	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 20 (LAKE ST) AT CHURCH ST

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	65
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

UNDERGROUND CONDUIT, GALVANIZED STEEL , 2" DIA.	FOOT	28
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 2C	FOOT	753
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	767
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	40
DRILL EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ROD AND CLEAN EXISTING CONDUIT	FOOT	359
PEDESTRIAN SIGNAL POST, 10 FT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4

TS 13760
EAGLE 5F

MODEL: Church-BOM
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAveToMetra\09-CADD\3_Sheets\232181-sht-TS-BOM_Church.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

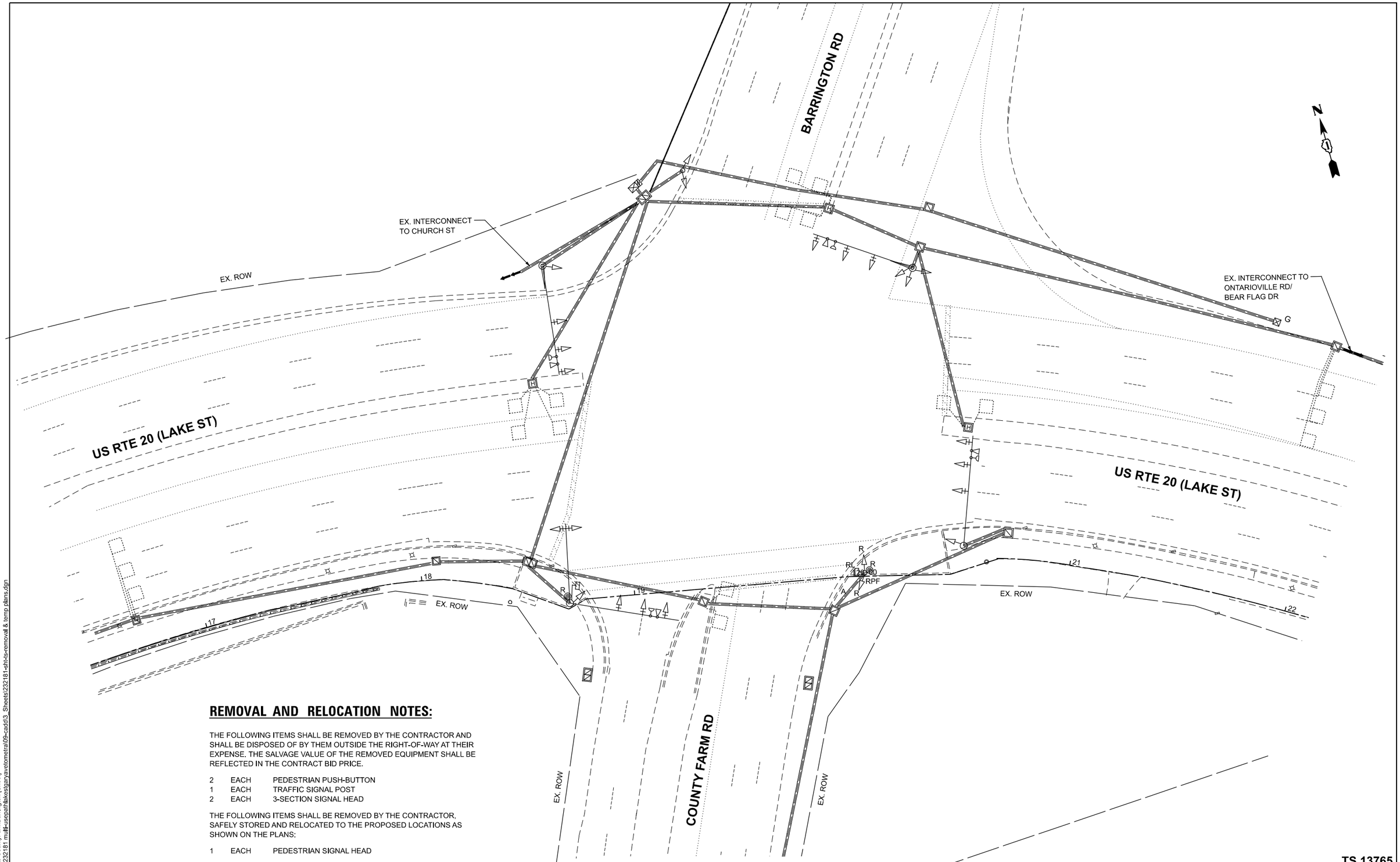
SCHEDULE OF QUANTITIES
US RTE 20 (LAKE ST) AT CHURCH ST

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	66

CONTRACT NO. 61L35

ILLINOIS FED. AID PROJECT



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TRAFFIC SIGNAL POST
2	EACH	3-SECTION SIGNAL HEAD

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED LOCATIONS AS SHOWN ON THE PLANS:

1	EACH	PEDESTRIAN SIGNAL HEAD

TS 13765
EAGLE 5F

MODEL: TS Removals CountyFarmBarrington [Sheet]
FILE NAME: Z:\2023\232181 multi-usepath\lakestgaryavetometra\09-cadd3_Sheets\232181-sht-ts-removal & temp plans.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

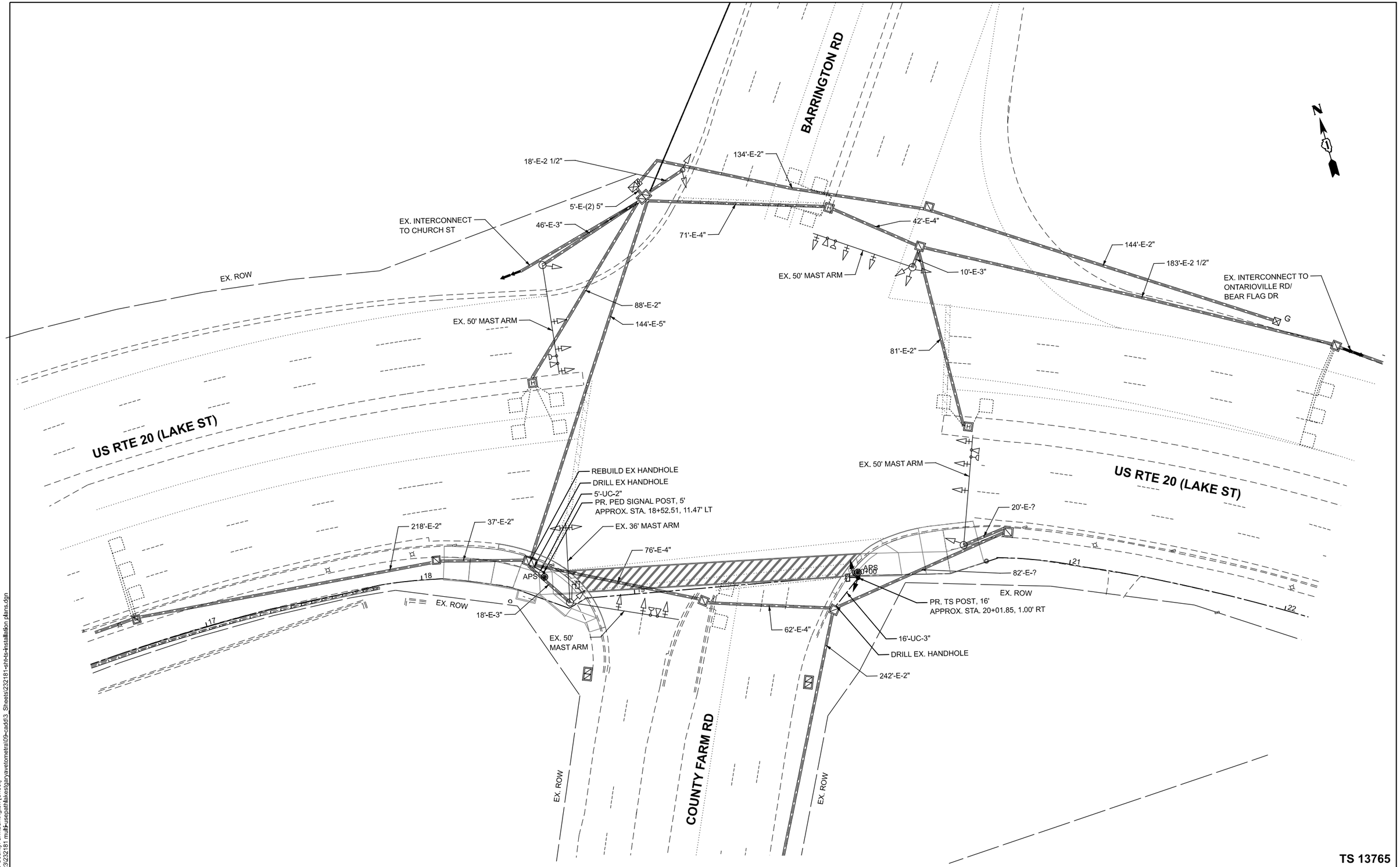
USER NAME = kcortopassi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVE EXISTING TRAFFIC SIGNAL PLAN
TEMPORARY TRAFFIC SIGNAL PLAN
US RTE 20 (LAKE ST) AT COUNTY FARM RD/BARRINGTON RD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	67
		CONTRACT NO. 61L35		
	ILLINOIS	FED. AID PROJECT		



TS 13765
EAGLE 5F

MODEL: TS Installs CountyFarmBarrington [Sheet]
FILE NAME: Z:\2023\232181 multi-usepathlakestgaryavetometra\03-cadd\3_Sheets\232181-sht-ts-installation plans.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
US RTE 20 (LAKE ST) AT COUNTY FARM RD/BARRINGTON RD

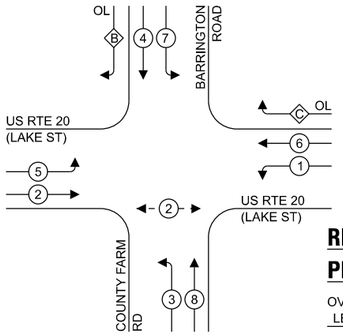
SCALE: 1"=20' | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	68

CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT

EXISTING AND PROPOSED CONTROLLER SEQUENCE



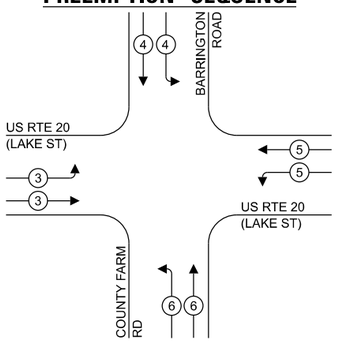
LEGEND:

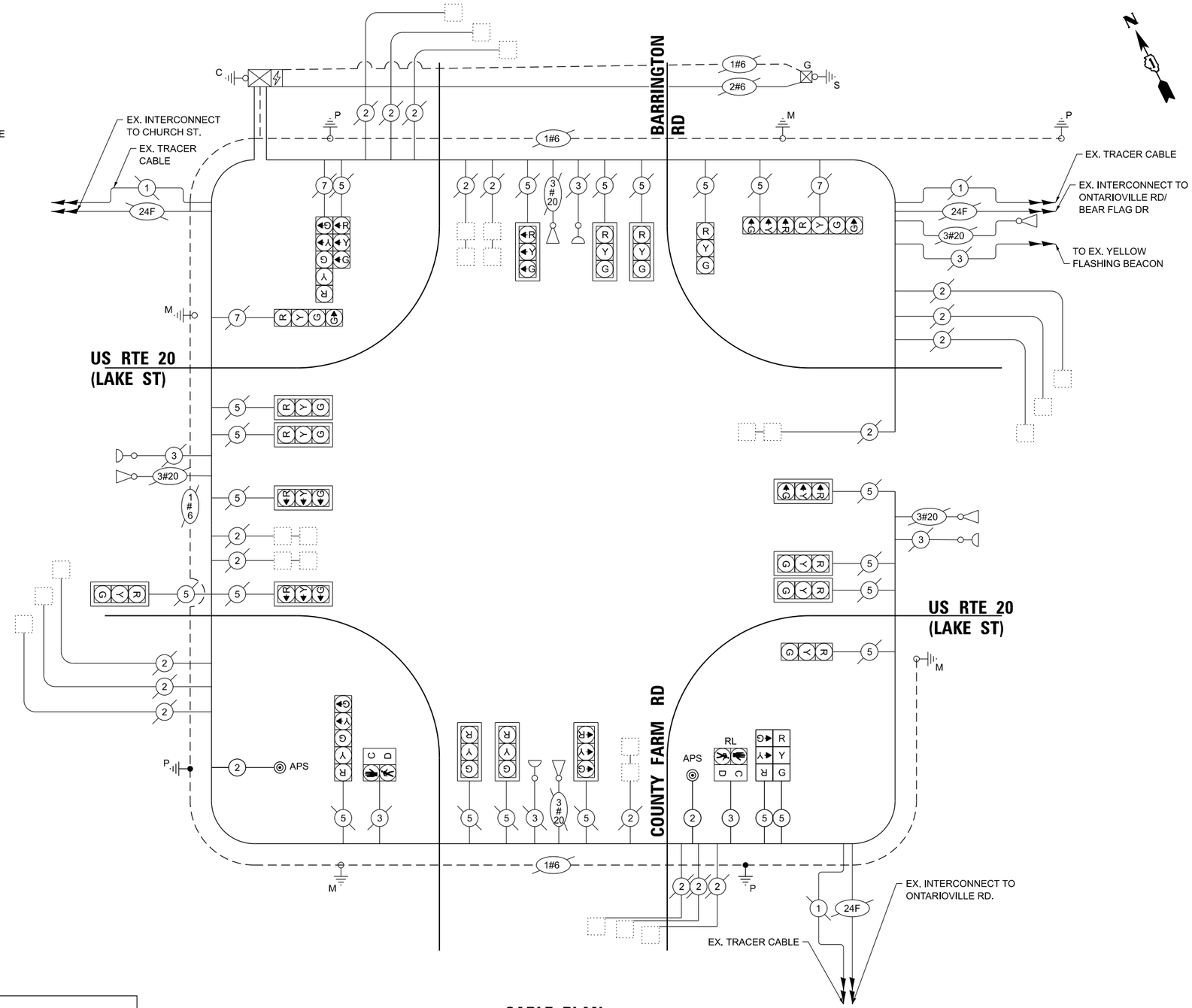
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
C	=	FREE FLOW (HOT)		

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	19	11	209
4-SECTION	2	14	28
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			468
UPS CHARGING	1	225	225
BATTERY HEATER	1	180	180
CABINET HEATER	1	200	200
FLASHER	1	15	15
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRING SIZING			1088

ENERGY COSTS TO:

VILLAGE OF HANOVER PARK
2121 W LAKE STREET
HANOVER PARK, IL 60133

ENERGY SUPPLY: CONTACT: Cassie Evens
PHONE: (773) 241-0741
COMPANY: COMED
ACCOUNT NUMBER: 3748037000
METER NUMBER: ---

TS 13765
EAGLE 5F

MODEL: Default
FILE NAME: 2:\2023\23218 Multi-UsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\191491-sht-cable plan-CountyFarm.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - $DESIGNED	REVISED -	
	DRAWN - $DRAWN	REVISED -	
	CHECKED - $CHECKED	REVISED -	
PLOT DATE = 1/20/2025	DATE - $SDAT	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 20 (LAKE ST) AT COUNTY FARM RD/BARRINGTON RD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	69
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

UNDERGROUND CONDUIT, GALVANIZED STEEL , 2" DIA.	FOOT	5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	16
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 2C	FOOT	553
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	365
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14. 5C	FOOT	729
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	51
TRAFFIC SIGNAL POST, 16 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1500
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
ROD AND CLEAN EXISTING CONDUIT	FOOT	287
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4

TS 13765
EAGLE 5F

MODEL: County-Farm-BOM
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\232181-sht-TS-BOM_County Farm.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

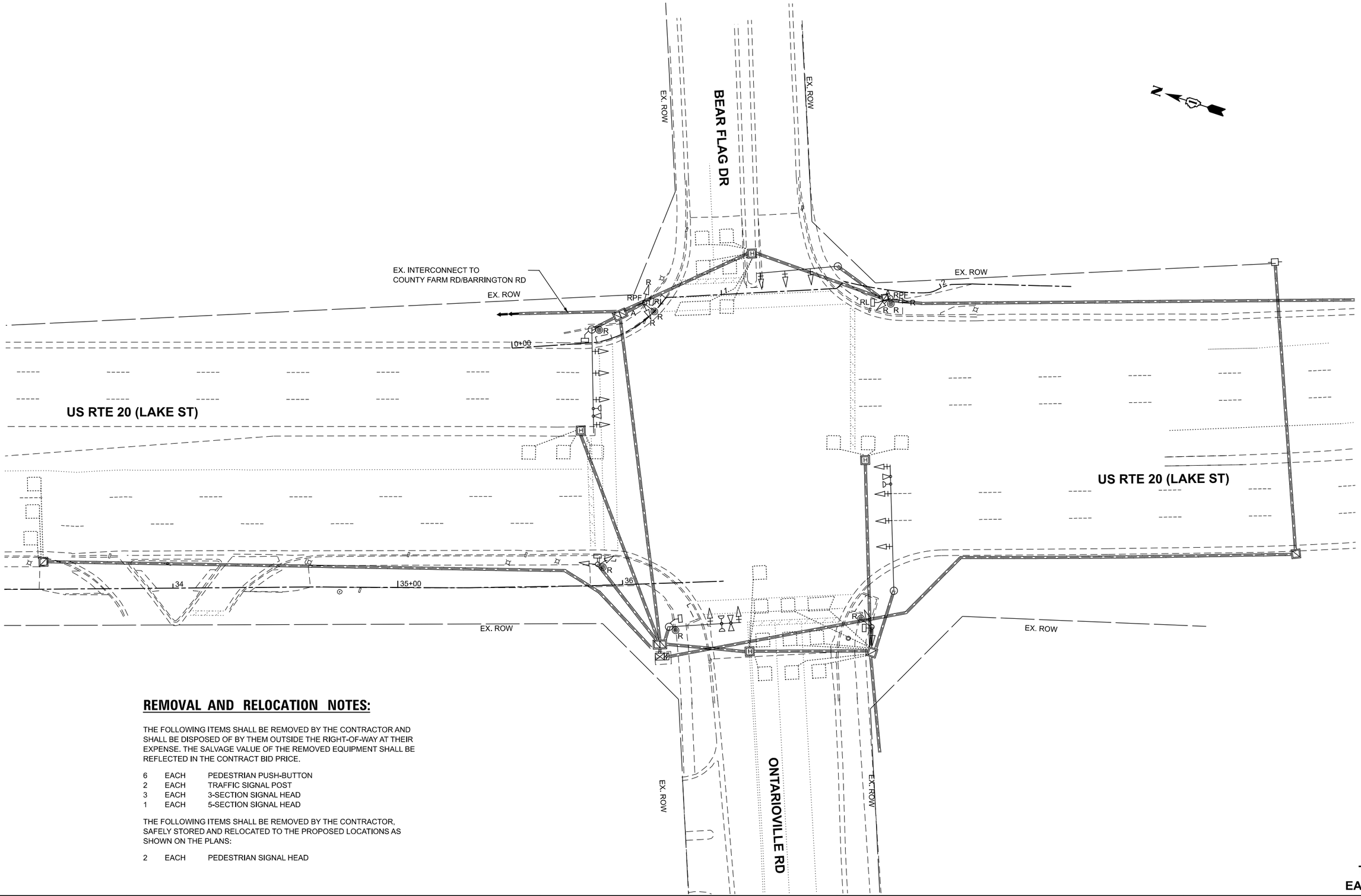
SCHEDULE OF QUANTITIES
US RTE 20 (LAKE ST) AT COUNTY FARM RD/BARRINGTON RD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	70

CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

6	EACH	PEDESTRIAN PUSH-BUTTON
2	EACH	TRAFFIC SIGNAL POST
3	EACH	3-SECTION SIGNAL HEAD
1	EACH	5-SECTION SIGNAL HEAD

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED LOCATIONS AS SHOWN ON THE PLANS:

2	EACH	PEDESTRIAN SIGNAL HEAD

TS 7695
EAGLE 5F

MODEL: TS Removals OntarioVilleBearFlag [Sheet]
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\232181-sht-ts-removal & temp plans.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

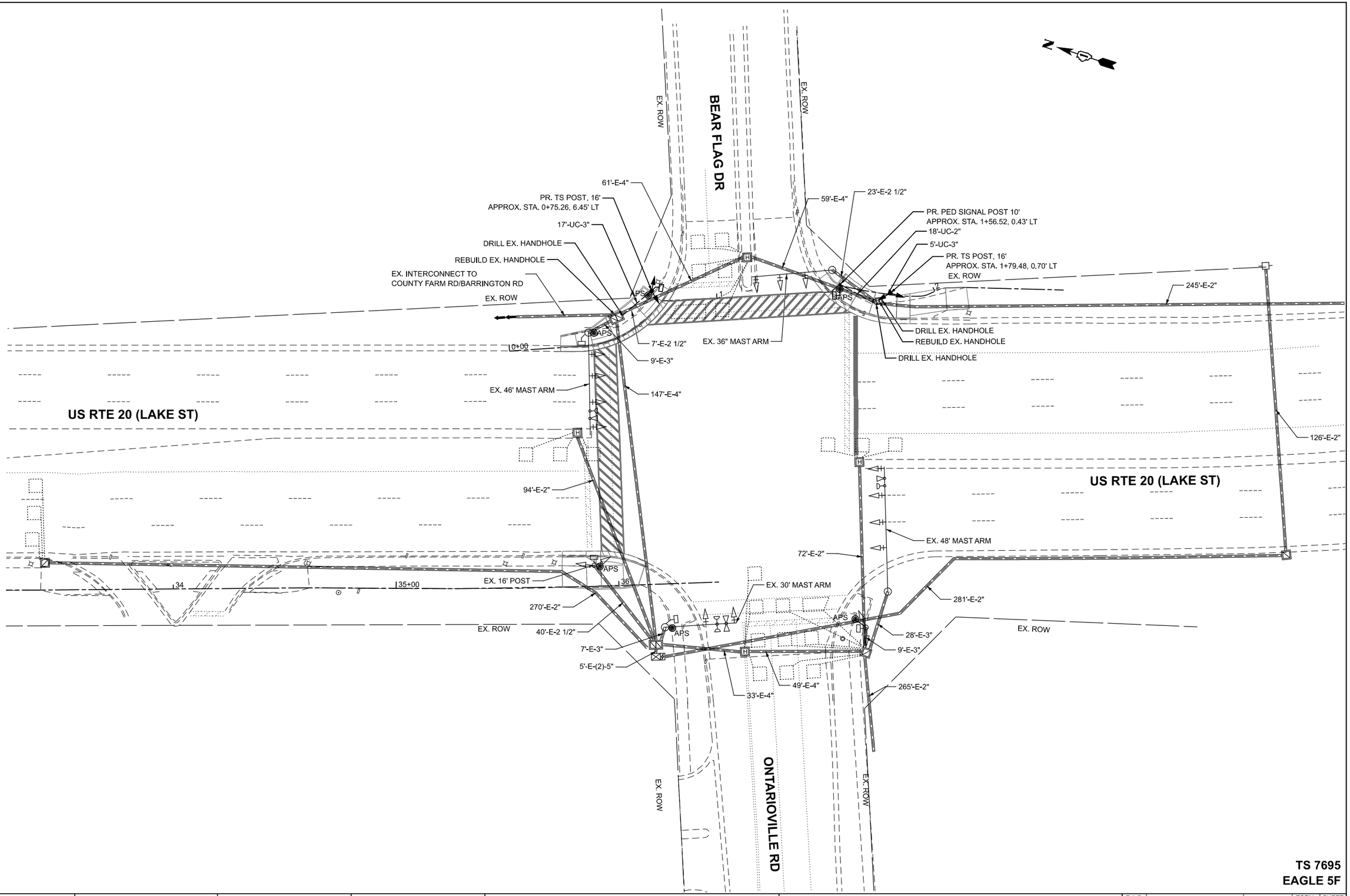
REMOVE EXISTING TRAFFIC SIGNAL PLAN
TEMPORARY TRAFFIC SIGNAL PLAN
US RTE 20 (LAKE ST) AT ONTARIOVILLE RD/BEAR FLAG DR

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	71

CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT



TS 7695
EAGLE 5F

MODEL: TS Installs OntariovilleBearFlag [Sheet]
FILE NAME: Z:\2023\232181 multi-usepath\lakestgaryavetometra\09-cadd\3_Sheets\232181-sht-ts-installation plans.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/20/2025	DATE -	REVISED -	

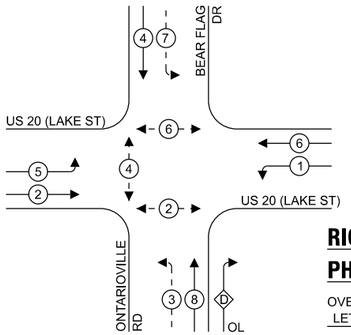
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
US RTE 20 (LAKE ST) AT ONTARIOVILLE RD/BEAR FLAG DR

SCALE: 1"=20' | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	72
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

EXISTING AND PROPOSED CONTROLLER SEQUENCE



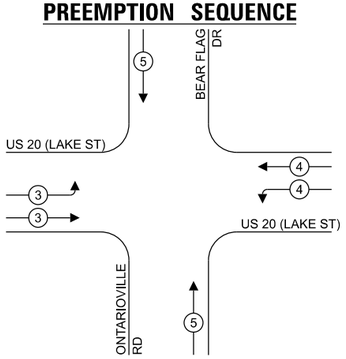
LEGEND:

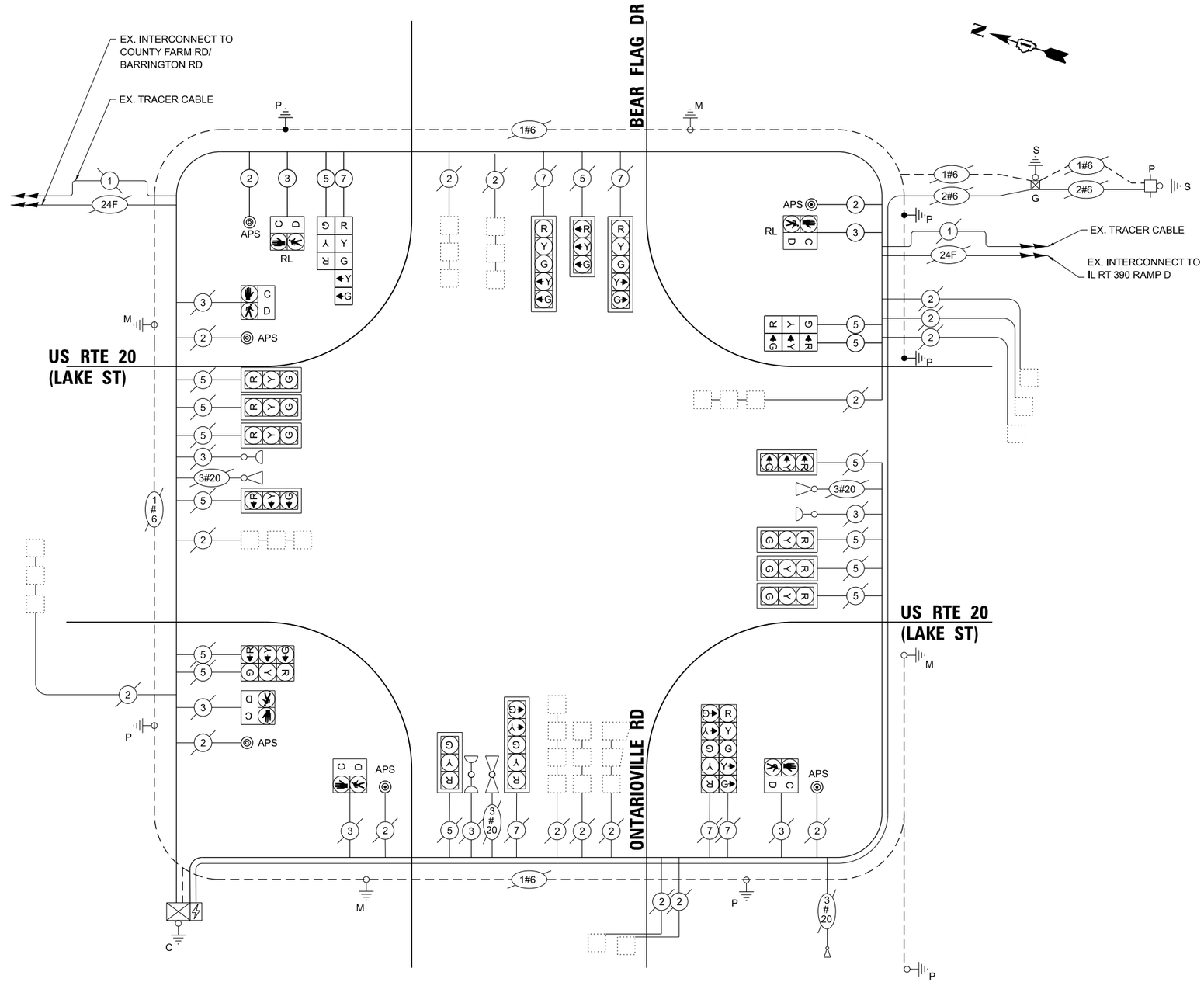
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	15	11	165
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			508
UPS CHARGING	1	225	225
BATTERY HEATER	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRING SIZING			1113

ENERGY COSTS TO:

VILLAGE OF HANOVER PARK
2121 W LAKE STREET
HANOVER PARK, IL 60133

ENERGY SUPPLY: CONTACT: Cassie Evens
PHONE: (773) 241-0741
COMPANY: COMED
ACCOUNT NUMBER: 0682021222
METER NUMBER: ---

TS 7695
EAGLE 5F

MODEL: Default
FILE NAME: 21/2023/23181 Multi-UsePathLakeSt\GaryAvetoMetra\09-CADD\3_Sheets\191491-sht-cable plan-BearFlag.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - $DESIGNED	REVISED -
	DRAWN - $DRAWN	REVISED -
	CHECKED - $CHECKED	REVISED -
PLOT DATE = 1/20/2025	DATE - $SDAT	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 20 (LAKE ST) AT ONTARIOVILLE RD/BEAR FLAG DR

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	73
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

UNDERGROUND CONDUIT, GALVANIZED STEEL , 2" DIA.	FOOT	18
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	23
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 2C	FOOT	556
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	564
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14. 5C	FOOT	896
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	219
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	82
TRAFFIC SIGNAL POST, 16 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2225
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
ROD AND CLEAN EXISTING CONDUIT	FOOT	319
PEDESTRIAN SIGNAL POST, 10 FT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4

TS 7695
EAGLE 5F

MODEL: Bear-Flag-BOM
FILE NAME: Z:\2023\232181 Multi-UsePathLakeSt\GaryAveto\Metra\09-CADD\3_Sheets\232181-sht-TS-BOM_BearFlag.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

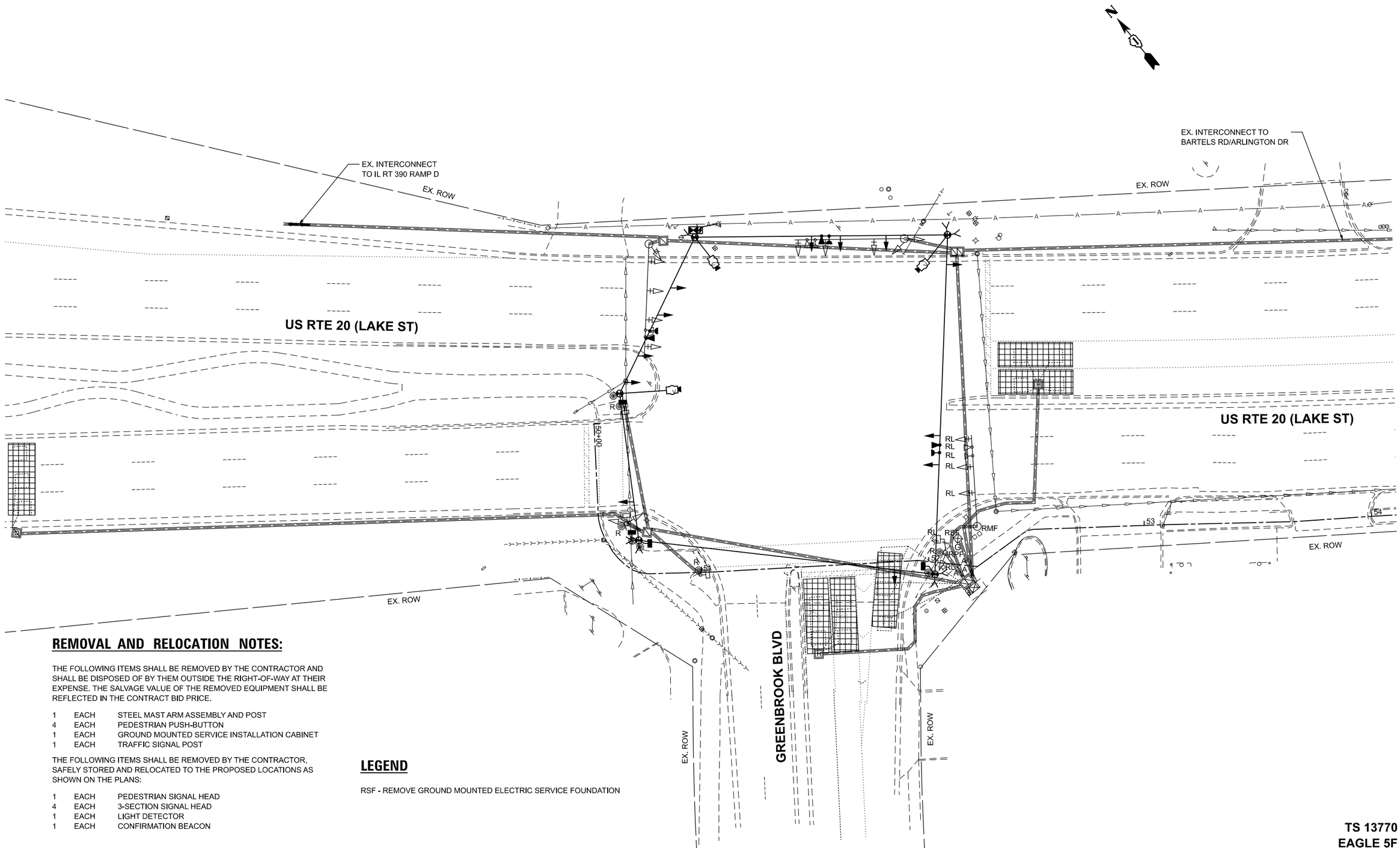
SCHEDULE OF QUANTITIES
US RTE 20 (LAKE ST) AT ONTARIOVILLE RD/BEAR FLAG DR

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	74

CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	STEEL MAST ARM ASSEMBLY AND POST
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	GROUND MOUNTED SERVICE INSTALLATION CABINET
1	EACH	TRAFFIC SIGNAL POST

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED LOCATIONS AS SHOWN ON THE PLANS:

1	EACH	PEDESTRIAN SIGNAL HEAD
4	EACH	3-SECTION SIGNAL HEAD
1	EACH	LIGHT DETECTOR
1	EACH	CONFIRMATION BEACON

LEGEND

RSF - REMOVE GROUND MOUNTED ELECTRIC SERVICE FOUNDATION

TS 13770
EAGLE 5F

MODEL: TS Removals Greenbrook [Sheet]
FILE NAME: Z:\2023\232181 multi-usepathlakestgaryavetometra\09-cadd\3_Sheets\232181-sht-ts-removal & temp plans.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVE EXISTING TRAFFIC SIGNAL PLAN
TEMPORARY TRAFFIC SIGNAL PLAN
US RTE 20 (LAKE ST) AT GREENBROOK BLVD

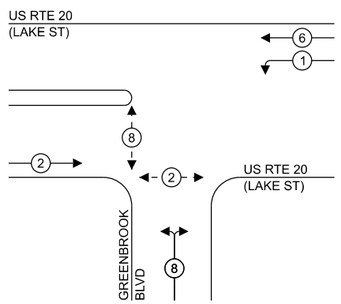
SCALE: 1"=20' | SHEET 1 OF 5 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	75

CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT

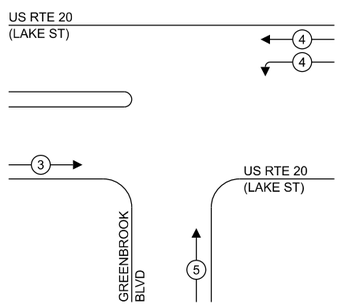
TEMPORARY CONTROLLER SEQUENCE

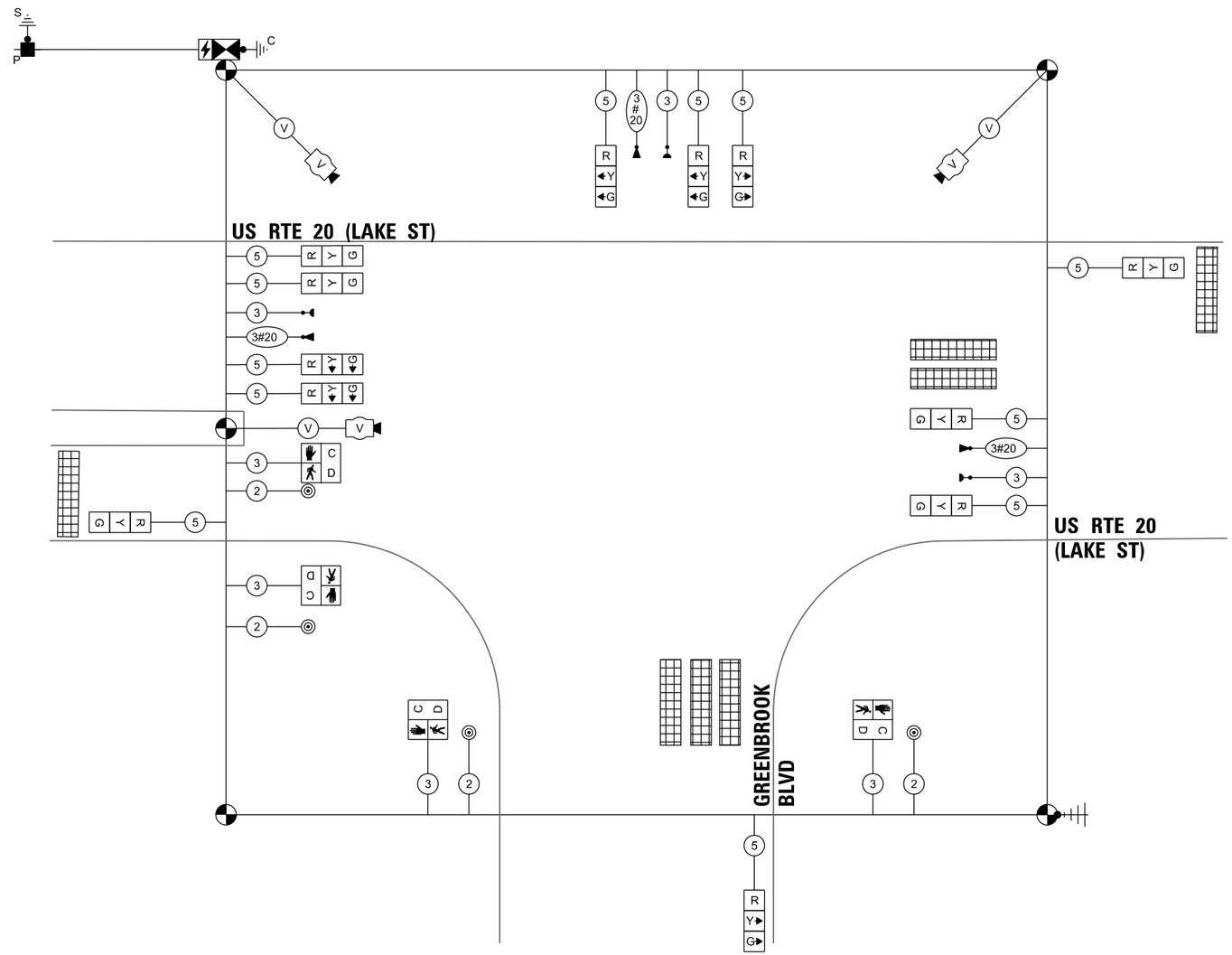


LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE





TEMPORARY CABLE PLAN

(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	3	20	60
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			427
UPS CHARGING	1	225	225
BATTERY HEATER	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRING SIZING			1032

ENERGY COSTS TO:

VILLAGE OF HANOVER PARK
2121 W LAKE STREET
HANOVER PARK, IL 60133

ENERGY SUPPLY: CONTACT: Cassie Evens
PHONE: (773) 241-0741
COMPANY: COMED
ACCOUNT NUMBER: 03748037000
METER NUMBER: ---

TS 13770
EAGLE 5F

MODEL: Default
FILE NAME: Z:\2023\232181 Multi-UsePath\LakeSt\Gary\AvetoMetra\09-CADD\3_Sheets\191491-sht-tempcableplan.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

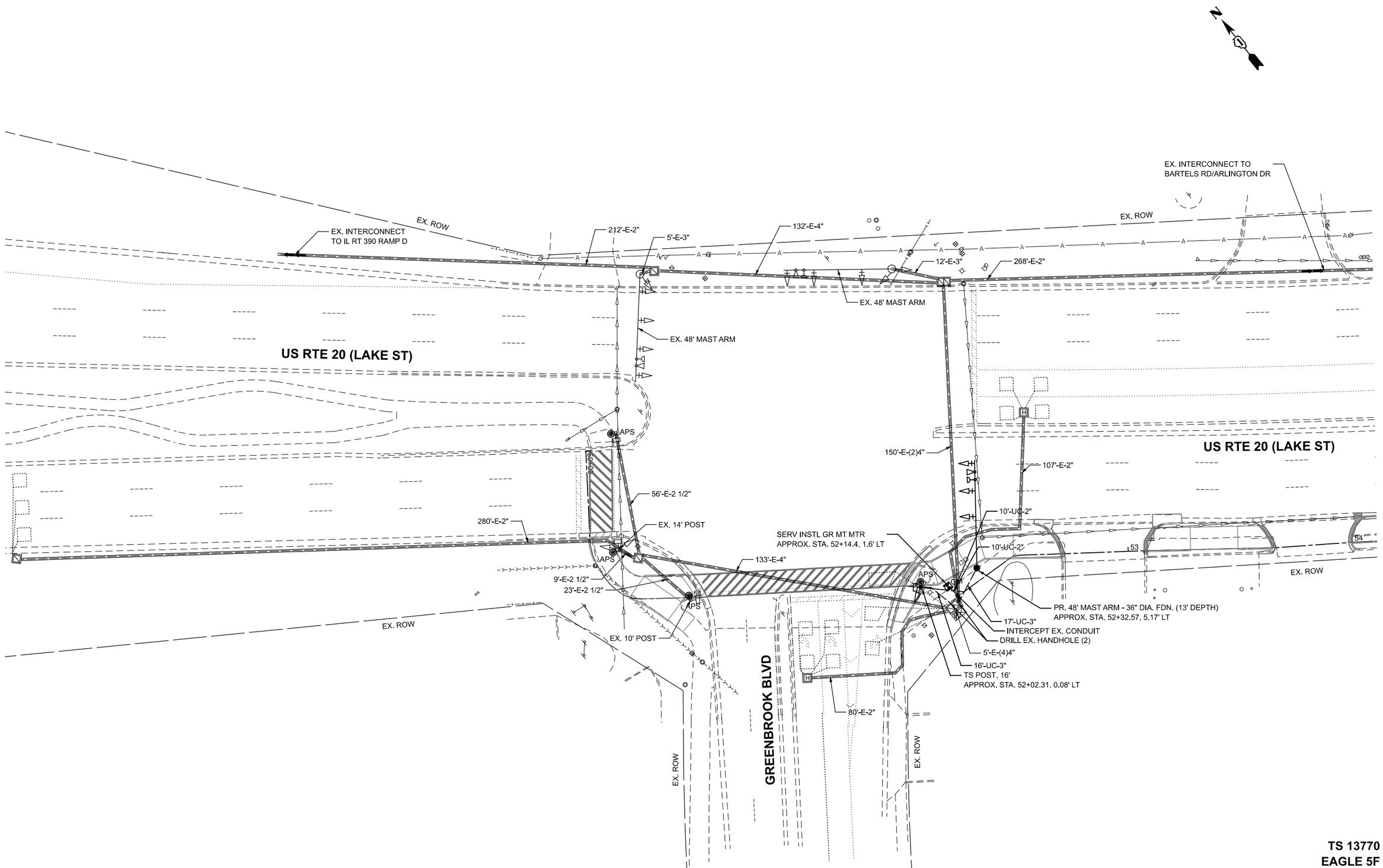
USER NAME = kcortopassi	DESIGNED - $DESIGNED	REVISED -
	DRAWN - $DRAWN	REVISED -
	CHECKED - $CHECKED	REVISED -
PLOT DATE = 1/20/2025	DATE - $SDAT	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 20 (LAKE ST) AT GREENBROOK BLVD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	76
		CONTRACT NO. TBD		
		ILLINOIS FED. AID PROJECT		



TS 13770
EAGLE 5F

MODEL: TS Installs Greenbrook [Sheet]
FILE NAME: Z:\2023\232181 multi-usepath\lakestgaryavetometra\09-cadd\3_Sheets\232181-sht-ts-installation plans.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/20/2025	DATE -	REVISED -	

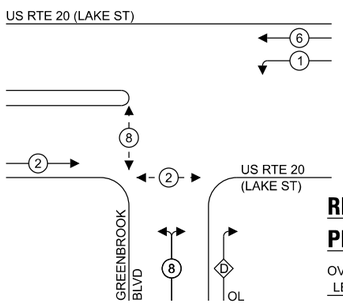
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
US RTE 20 (LAKE ST) AT GREENBROOK BLVD

SCALE: 1"=20' | SHEET 3 OF 5 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	77
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

EXISTING AND PROPOSED CONTROLLER SEQUENCE



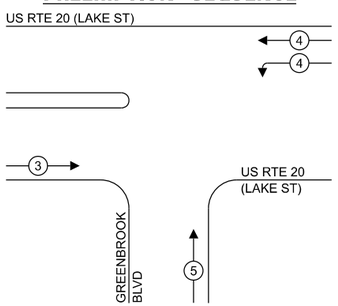
LEGEND:

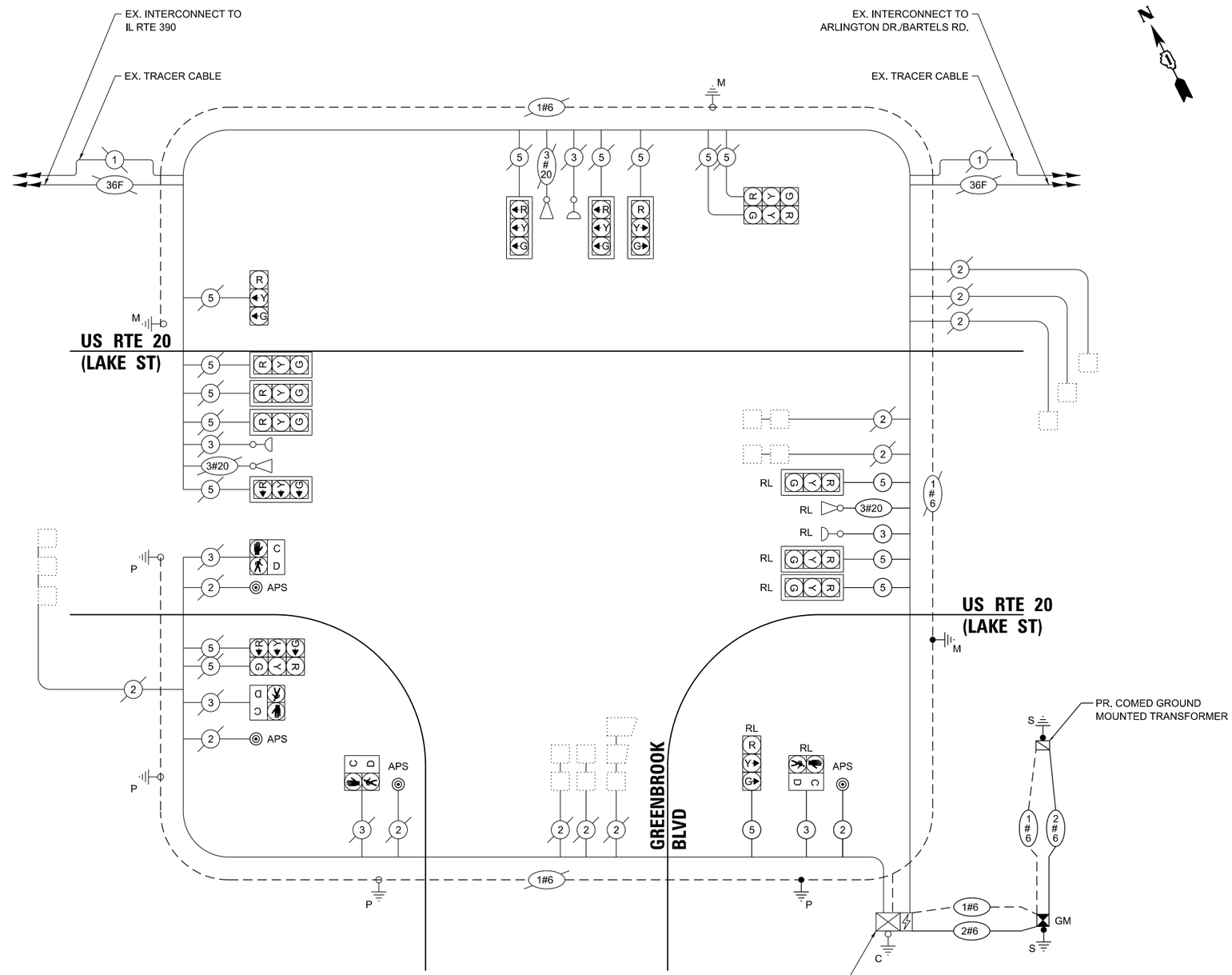
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			411
UPS CHARGING	1	225	225
BATTERY HEATER	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRING SIZING			1016

ENERGY COSTS TO:

VILLAGE OF HANOVER PARK
2121 W LAKE STREET
HANOVER PARK, IL 60133

ENERGY SUPPLY: CONTACT: Cassie Evens
PHONE: (773) 241-0741
COMPANY: COMED
ACCOUNT NUMBER: 3748037000
METER NUMBER: ---

TS 13770
EAGLE 5F

MODEL: Default
FILE NAME: Z:\2023\232181 Multi-UsePathLakeSt\GaryAvetoMetra\09-CADD\3_Sheets\191491-sht-cable plan-Greenbrook.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi
PLOT DATE = 1/20/2025

DESIGNED - $DESIGNED	REVISED -	
DRAWN - $DRAWN	REVISED -	
CHECKED - $CHECKED	REVISED -	
DATE - $SDAT	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 20 (LAKE ST) AT GREENBROOK BLVD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	78

CONTRACT NO. 61L35
ILLINOIS FED. AID PROJECT

SCHEDULE OF QUANTITIES

	UNDERGROUND CONDUIT, GALVANIZED STEEL , 2" DIA.	FOOT	10
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	33
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 2C	FOOT	45
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	52
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14. 5C	FOOT	500
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	75
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	142
	TRAFFIC SIGNAL POST, 16 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	8
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
	DRILL EXISTING HANDHOLE	EACH	2
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	RELOCATE EXISTING SIGNAL HEAD	EACH	4
	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
*	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1
	MODIFY EXISTING CONTROLLER	EACH	1
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	558
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	3
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	150
	ROD AND CLEAN EXISTING CONDUIT	FOOT	15
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	INTERCEPT EXISTING CONDUIT	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	3
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO HANOVER PARK

TS 13770
EAGLE 5F

MODEL: Greenbrook-BOM
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAveToMetra\09-CADD\3_Sheets\232181-sht-TS-BOM_Greenbrook.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

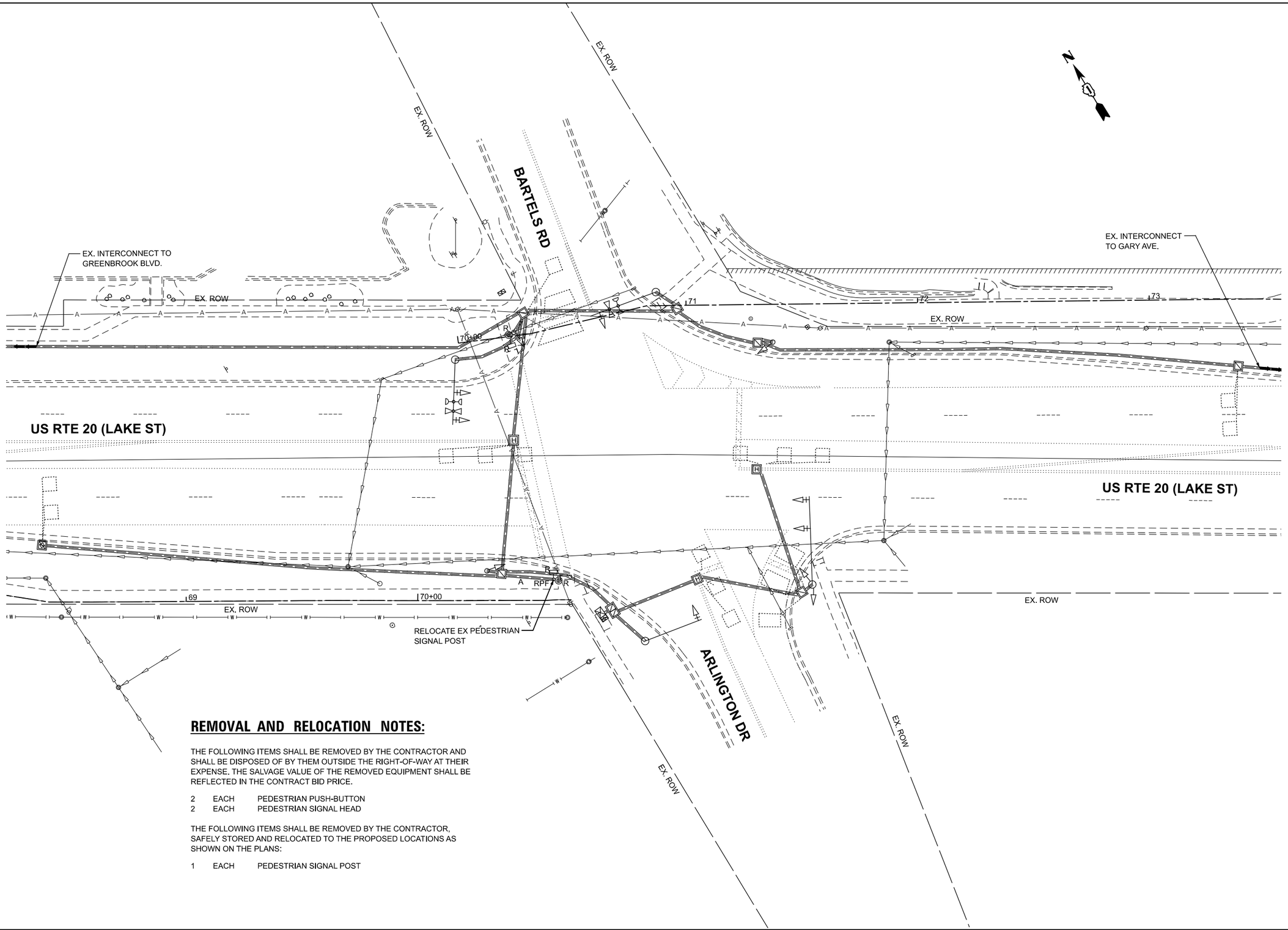
USER NAME = kcortopassi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
US RTE 20 (LAKE ST) AT GREENBROOK BLVD

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	79
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

2	EACH	PEDESTRIAN PUSH-BUTTON
2	EACH	PEDESTRIAN SIGNAL HEAD

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED LOCATIONS AS SHOWN ON THE PLANS:

1	EACH	PEDESTRIAN SIGNAL POST

TS 7870
EAGLE 5F

MODEL: TS Removals ArlingtonBartels [Sheet]
FILE NAME: Z:\2023\232181 multi-usepath\lakestgaryavetometra\09-cadd\3_Sheets\232181-sht-ts-removal & temp plans.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED -	REVISED -
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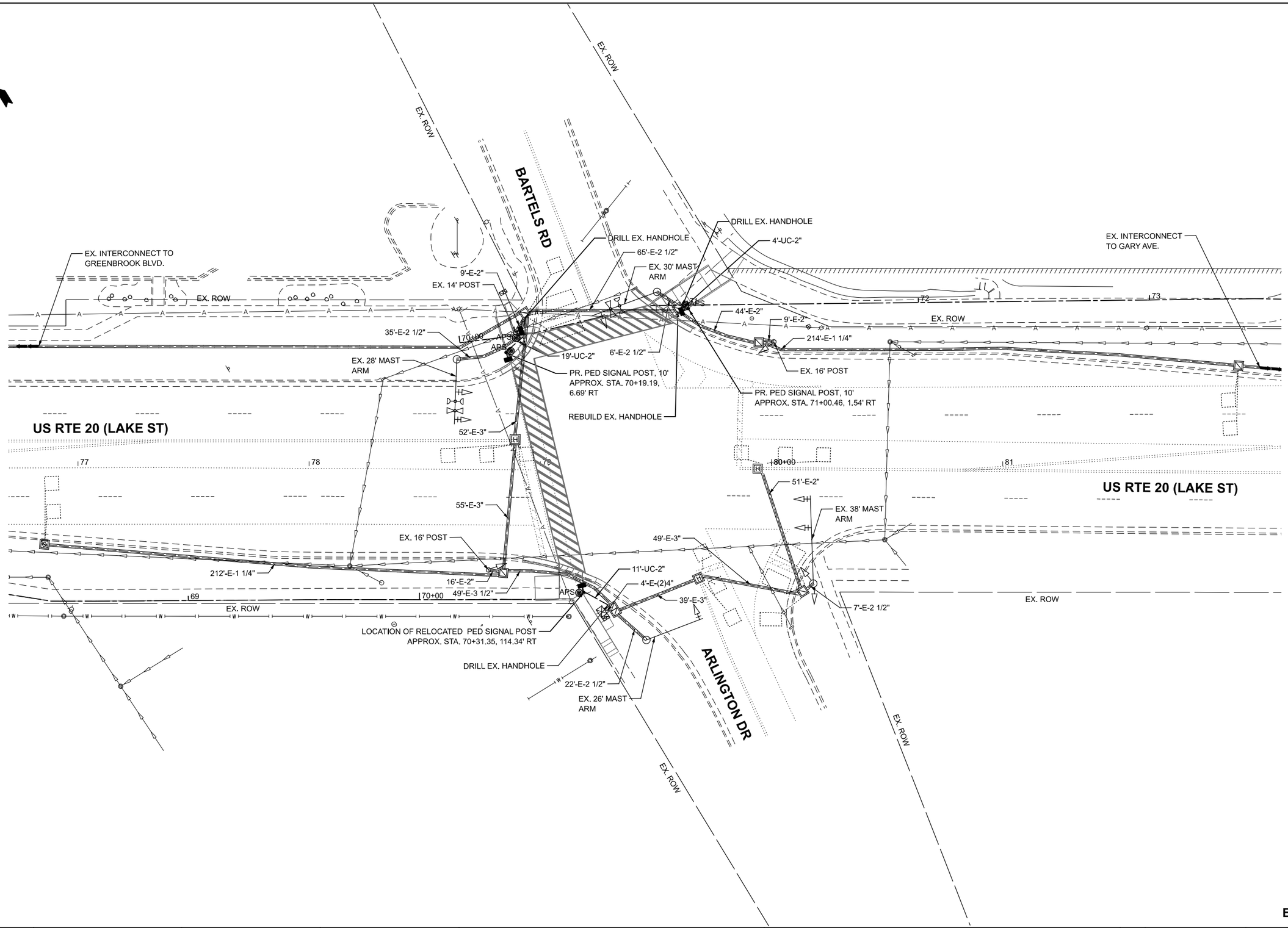
	CHECKED -	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVE EXISTING TRAFFIC SIGNAL
TEMPORARY TRAFFIC SIGNAL PLAN
US RTE 20 (LAKE ST) AT ARLINGTON DR/BARTELS RD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	80
		CONTRACT NO. 61L35		
	ILLINOIS	FED. AID PROJECT		



TS 7870
EAGLE 5F

MODEL: TS Installs ArlingtonBartels [Sheet]
FILE NAME: Z:\2023\232181 Multi-UsePathLakeSIGaryAvetoMetra\09-CADD\3_Sheets\232181-sht-installation plans.dgn

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PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
US RTE 20 (LAKE ST) AT ARLINGTON DR/BARTELS RD

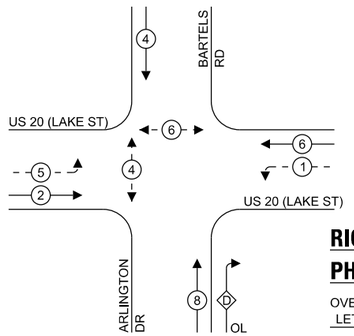
SCALE: 1"=20' | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	81

CONTRACT NO. 61L35

ILLINOIS | FED. AID PROJECT

EXISTING AND PROPOSED CONTROLLER SEQUENCE



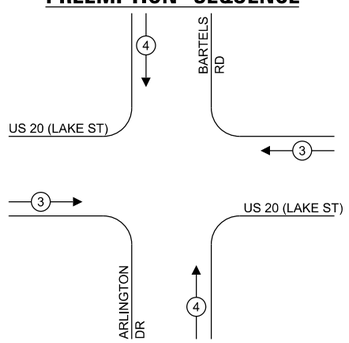
LEGEND:

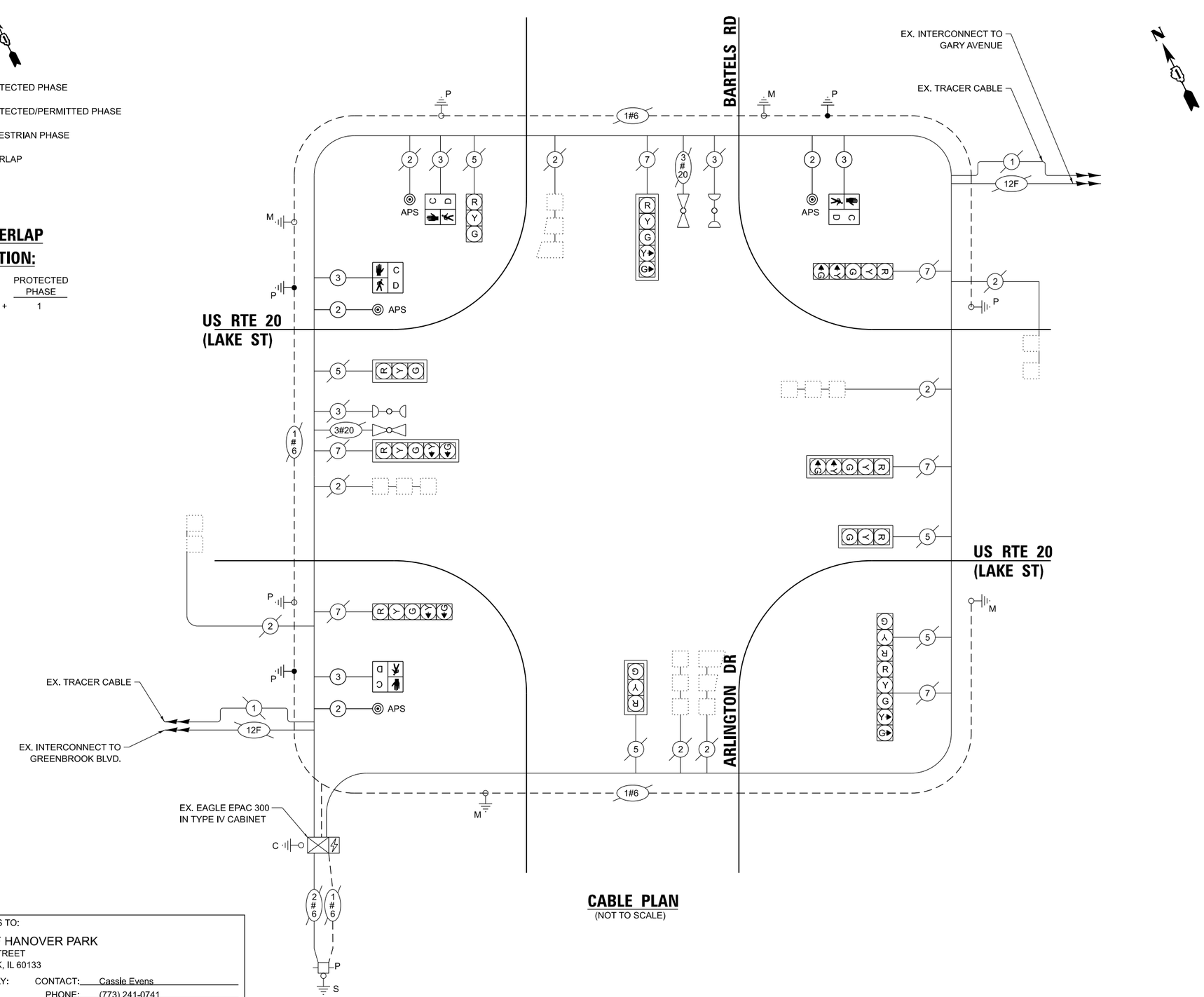
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	3	11	33
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			346
UPS CHARGING	1	225	225
BATTERY HEATER	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRING SIZING			951

ENERGY COSTS TO:

VILLAGE OF HANOVER PARK
2121 W LAKE STREET
HANOVER PARK, IL 60133

ENERGY SUPPLY: CONTACT: Cassie Evens
PHONE: (773) 241-0741
COMPANY: COMED
ACCOUNT NUMBER: 0682021222
METER NUMBER: ---

TS 7870
EAGLE 5F

MODEL: Default
FILE NAME: Z:\2023\232181 Multi-UsePath\LakeSt\GaryAvetoMetra\09-CADD\3_Sheets\191491-sht-cable plan-Bartels.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi
PLOT DATE = 1/20/2025

DESIGNED - $DESIGNED	REVISED -	
DRAWN - $DRAWN	REVISED -	
CHECKED - $CHECKED	REVISED -	
DATE - $SDAT	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 20 (LAKE ST) AT ARLINGTON DR/BARTELS RD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	82

CONTRACT NO. 61L35

ILLINOIS FED. AID PROJECT

SCHEDULE OF QUANTITIES

UNDERGROUND CONDUIT, GALVANIZED STEEL , 2" DIA.	FOOT	35
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 2C	FOOT	554
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	576
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	75
DRILL EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	3
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	260
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
ROD AND CLEAN EXISTING CONDUIT	FOOT	226
PEDESTRIAN SIGNAL POST, 10 FT	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12

TS 7870
EAGLE 5F

MODEL: Bartels- BOM
FILE NAME: Z:\2023\232181 Multi-UsePathLakeStGaryAveToMetra\09-CADD\3_Sheets\232181-sht-TS-BOM_Bartels.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

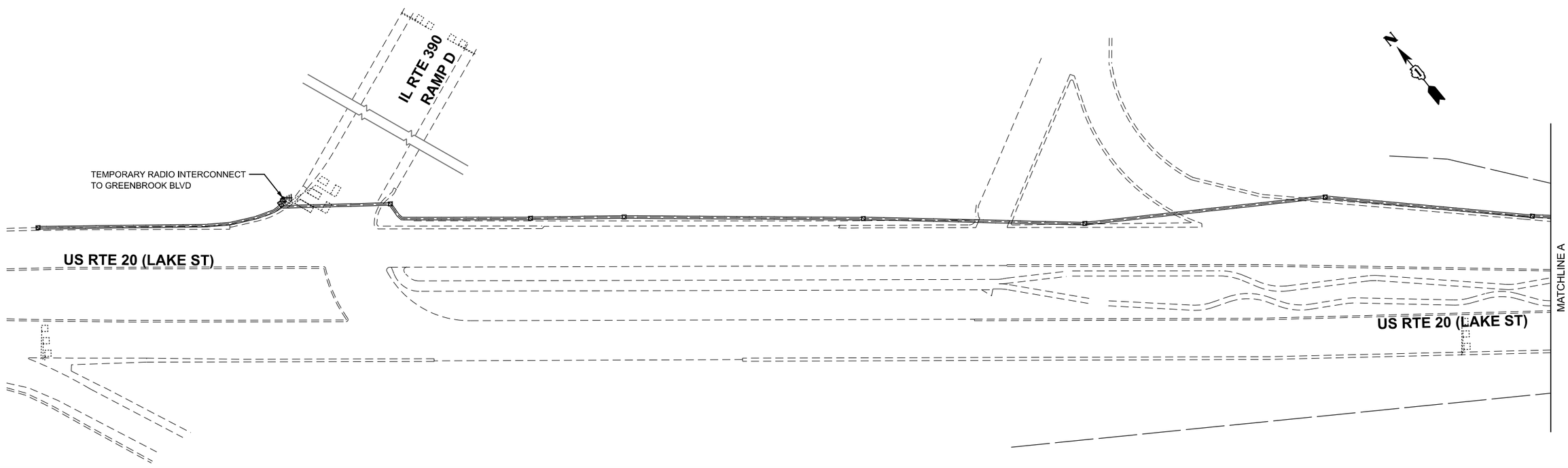
USER NAME = kcortopassi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

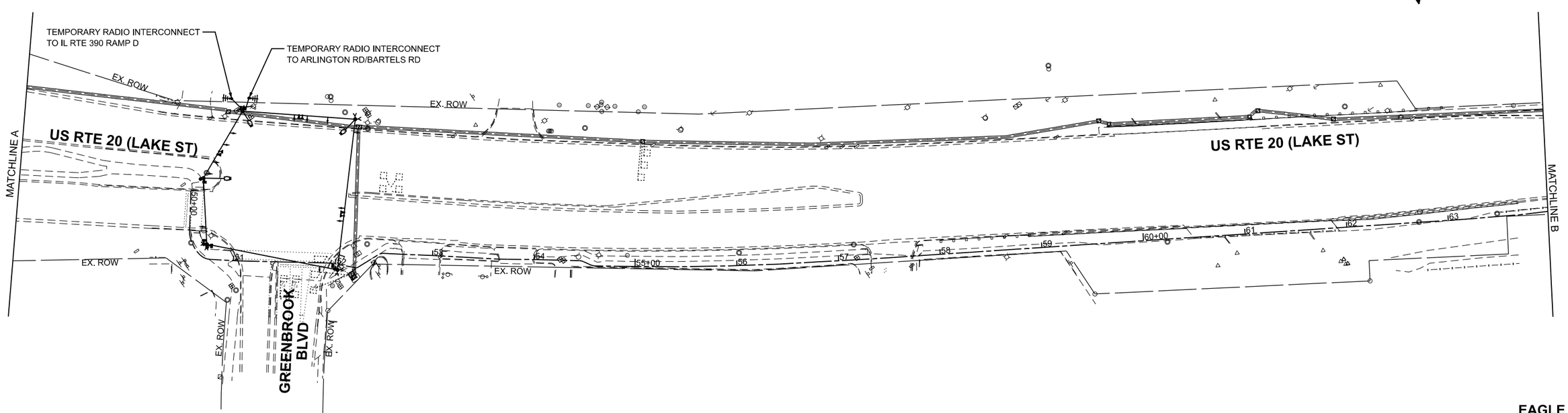
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
US RTE 20 (LAKE ST) AT ARLINGTON DR/BARTELS RD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	83
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	





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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

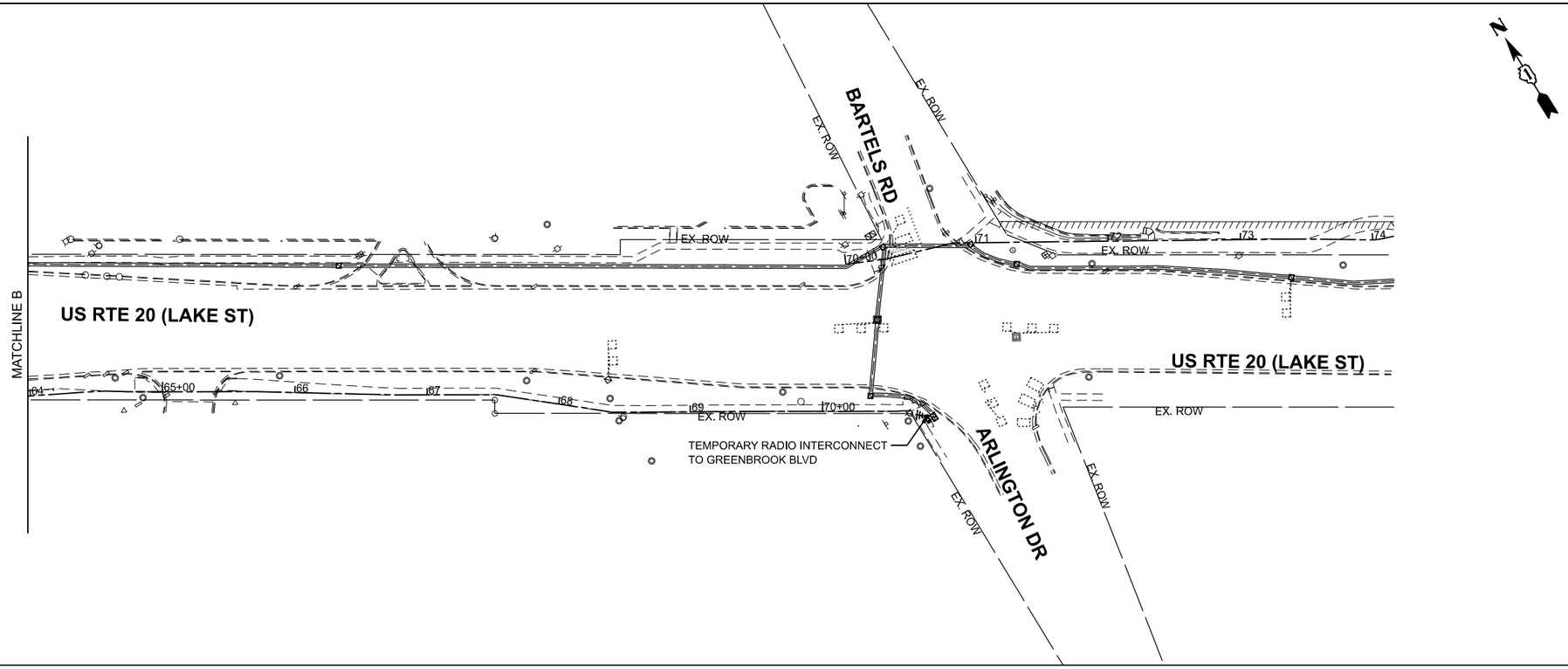
USER NAME = kcortopassi	DESIGNED - KAC	REVISED -
	DRAWN -	REVISED -
	CHECKED - YOO	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SHEET (1 OF 2)
US RTE 20 (LAKE STREET)
IL RTE 390 RAMP TO ARLINGTON DR/BARTELS RD

SCALE: 1"=50' | SHEET 001 OF 6 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	84
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

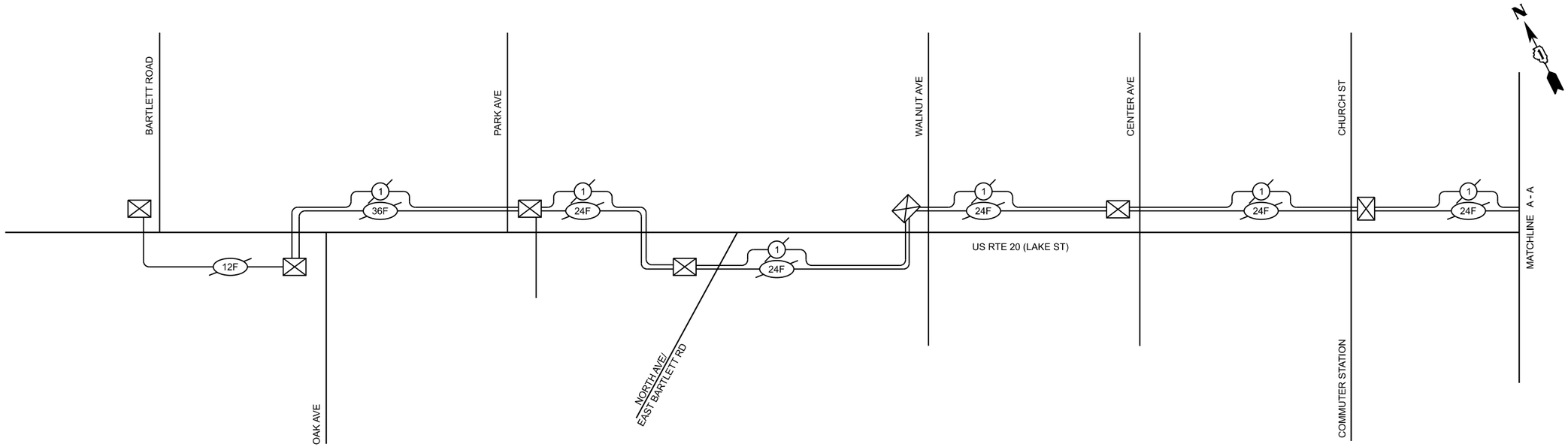
USER NAME = kcortopassi	DESIGNED - KAC	REVISED -
	DRAWN -	REVISED -
	CHECKED - YOO	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

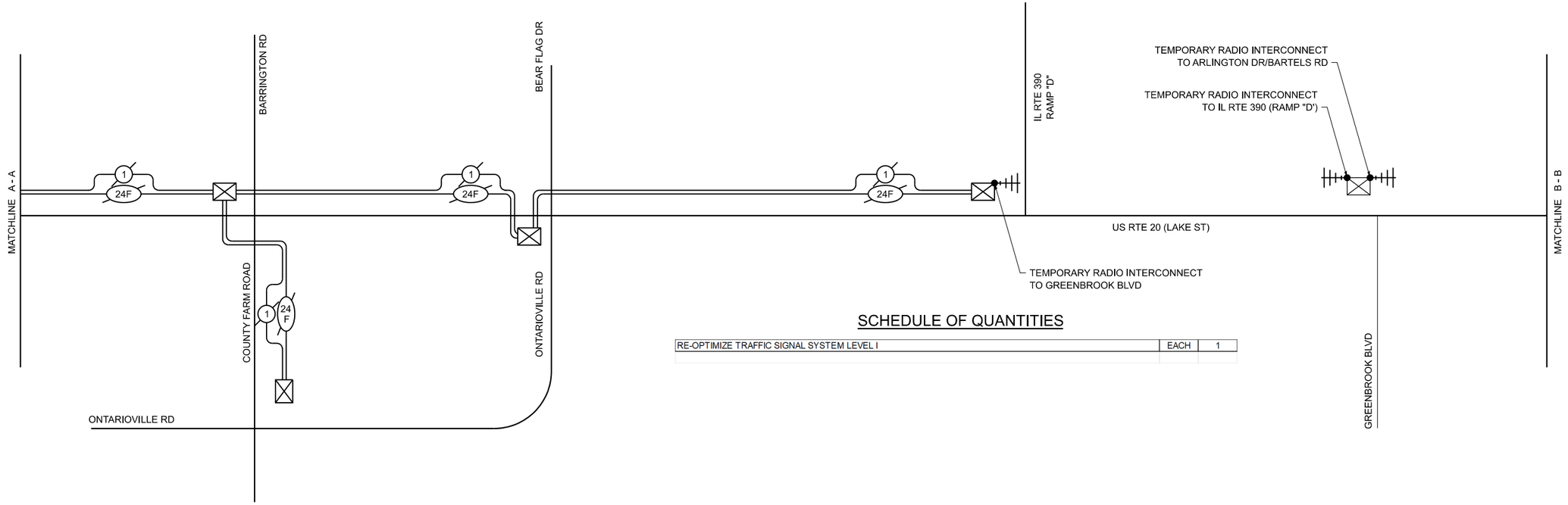
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SHEET (2 OF 2)
US RTE 20 (LAKE STREET)
IL RTE 390 RAMP TO ARLINGTON DR/BARTELS RD

SCALE: 1"=50' | SHEET 002 OF 6 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	85
		CONTRACT NO. 61L35		
	ILLINOIS	FED. AID PROJECT		





SCHEDULE OF QUANTITIES

RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL I	EACH	1

EAGLE 5F

MODEL: Default
FILE NAME: Z:\2023\232181 MultiUsePathLakeStGaryAvetoMetra\09-CADD\3_Sheets\232181_TempIntSchem1.dgn

WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - $DESIGNED	REVISED -
	DRAWN - $DRAWN	REVISED -
	CHECKED - $CHECKED	REVISED -
PLOT DATE = 1/20/2025	DATE - $SDAT	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

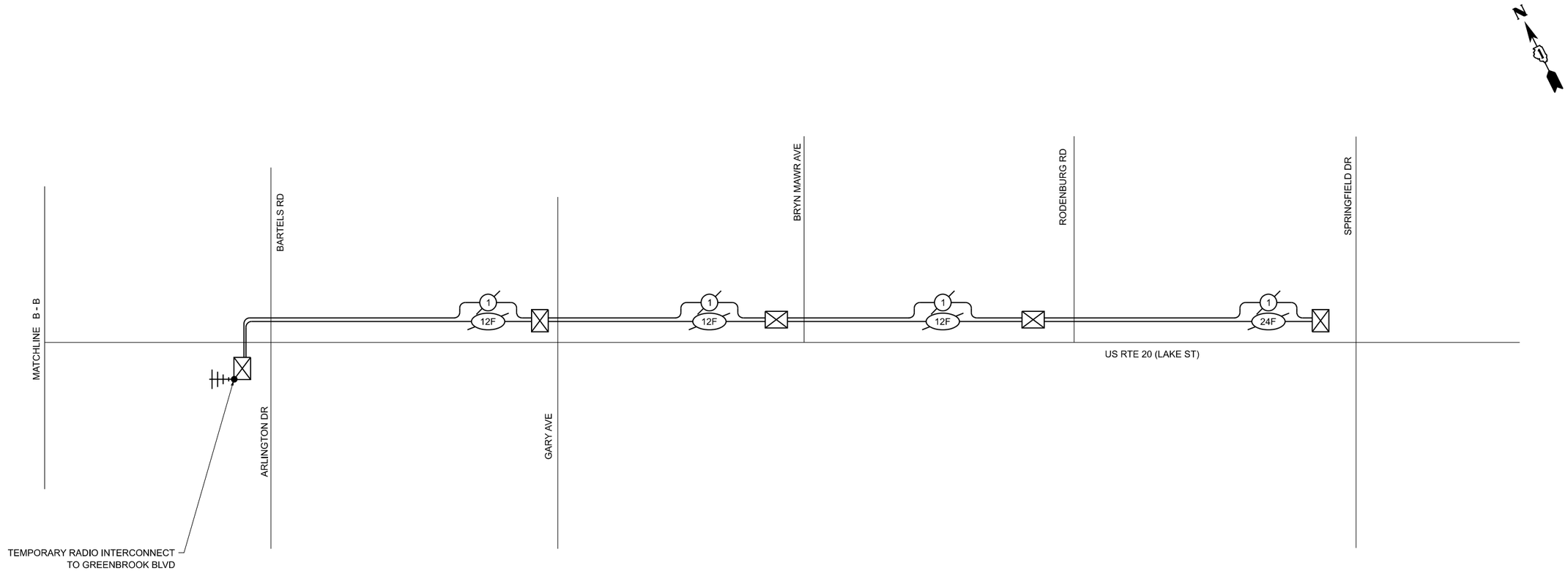
TEMPORARY INTERCONNECT SCHEMATIC (SHEET 1 OF 2)
US RTE 20 (LAKE ST)
IL RTE 390 RAMP D TO ARLINGTON DR/BARTELS RD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	86

CONTRACT NO. 61L35

ILLINOIS FED. AID PROJECT



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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = kcortopassi	DESIGNED - $DESIGNED	REVISED -
	DRAWN - $DRAWN	REVISED -
	CHECKED - $CHECKED	REVISED -
PLOT DATE = 1/20/2025	DATE - $SDAT	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

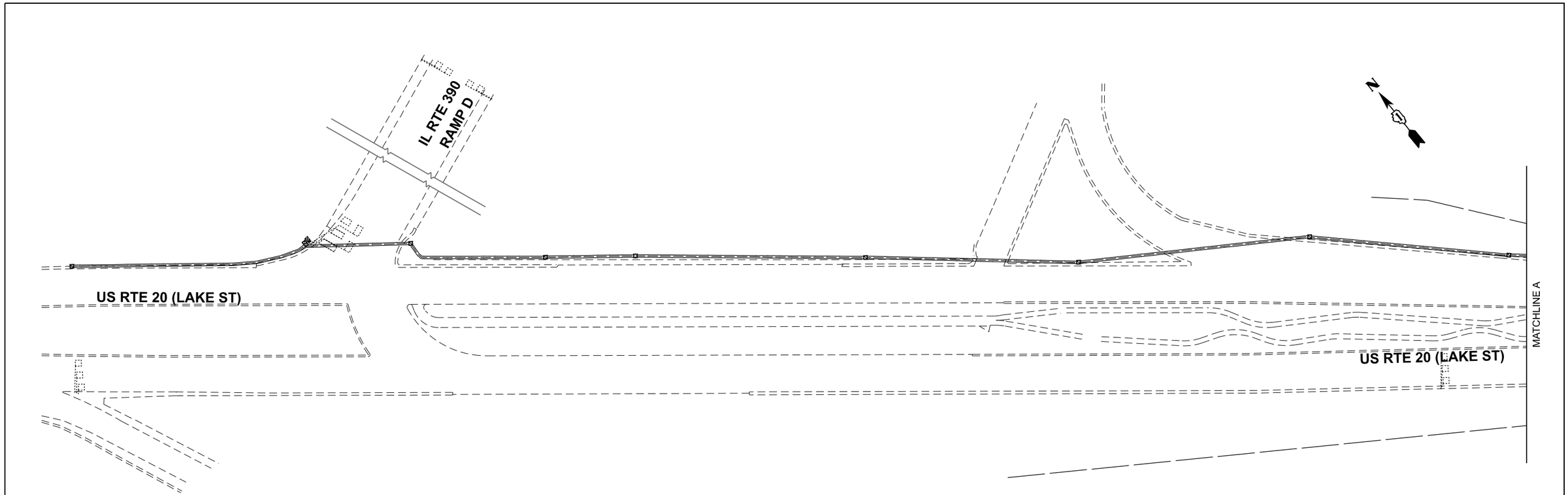
TEMPORARY INTERCONNECT SCHEMATIC (SHEET 2 OF 2)
US RTE 20 (LAKE ST)
IL RTE 390 RAMP D TO ARLINGTON DR/BARTELS RD

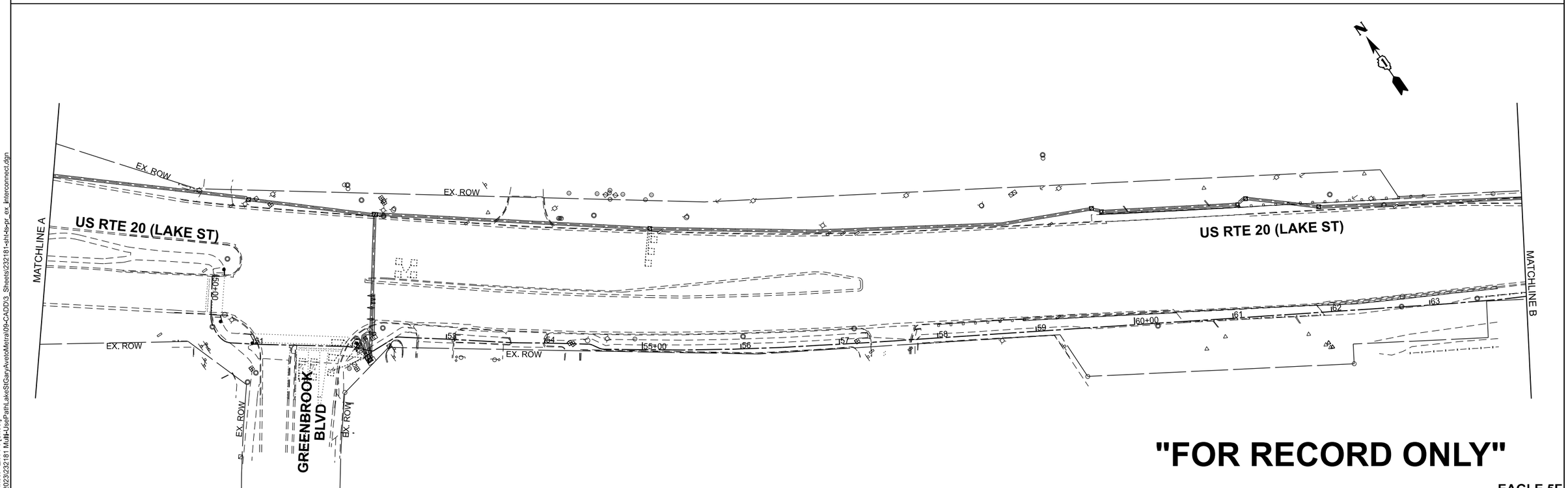
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	87

CONTRACT NO. 61L35

ILLINOIS FED. AID PROJECT





"FOR RECORD ONLY"

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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

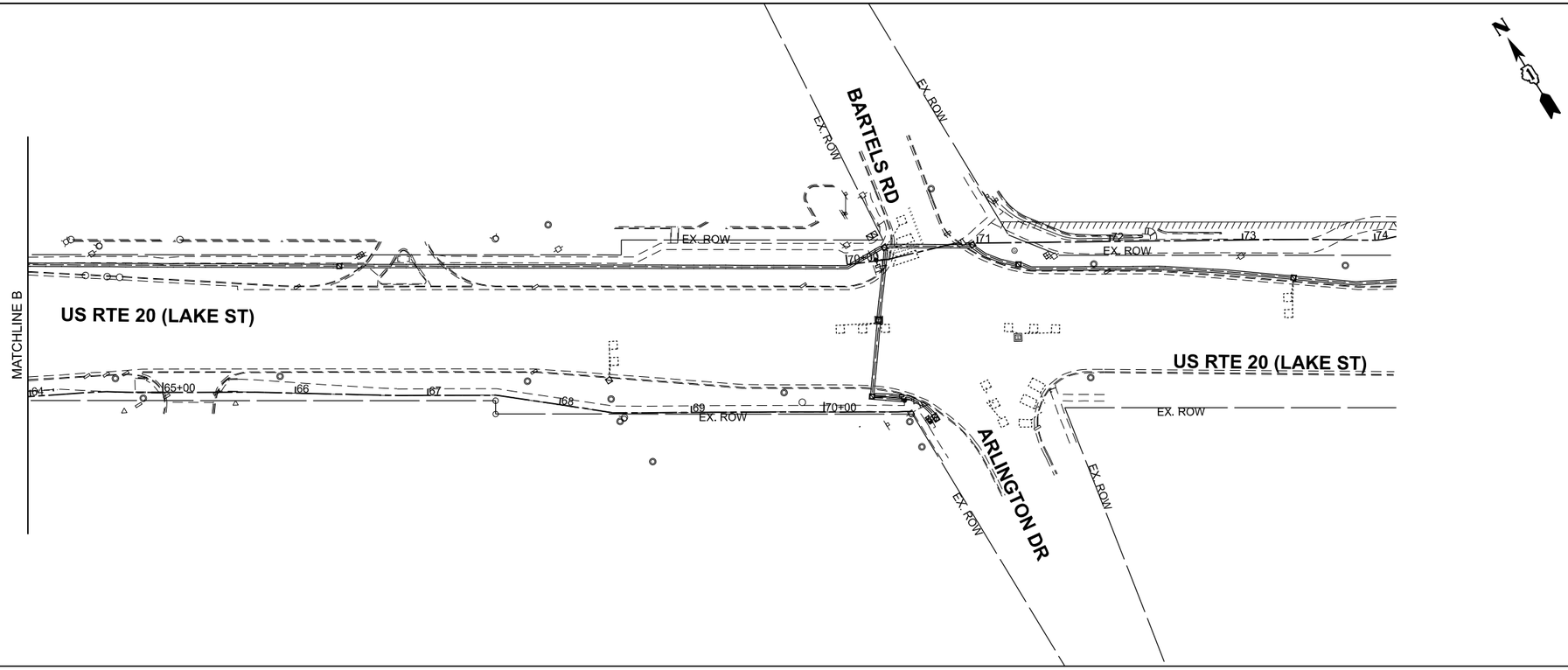
USER NAME = kcortopassi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING/PROPOSED INTERCONNECT SHEET (1 OF 2)
US RTE 20 (LAKE STREET)
IL RTE 390 RAMP TO ARLINGTON DR/BARTELS RD

SCALE: 1"=50' | SHEET 005 OF 6 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	88
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



"FOR RECORD ONLY"

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WBK ENGINEERING
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

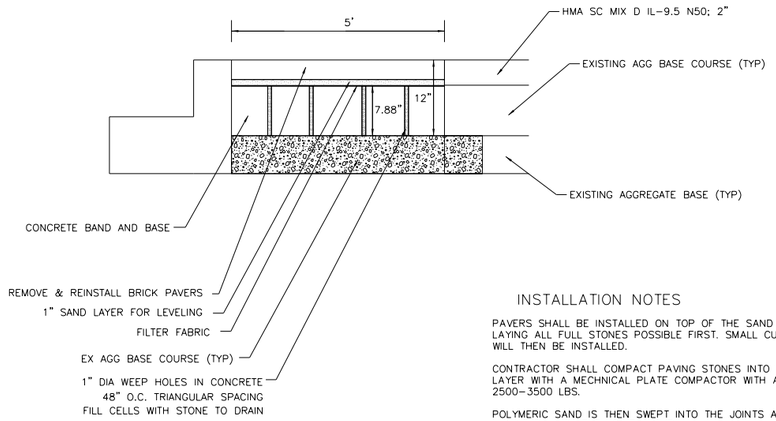
USER NAME = kcortopassi	DESIGNED - KAC	REVISED -
	DRAWN -	REVISED -
	CHECKED - YOO	REVISED -
PLOT DATE = 1/20/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SHEET (2 OF 2)
US RTE 20 (LAKE STREET)
IL RTE 390 RAMP TO ARLINGTON DR/BARTELS RD

SCALE: 1"=50' | SHEET 006 OF 6 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	DUPAGE	116	89
		CONTRACT NO. 61L35		
	ILLINOIS	FED. AID PROJECT		



INSTALLATION NOTES

PAVERS SHALL BE INSTALLED ON TOP OF THE SAND LAYER, LAYING ALL FULL STONES POSSIBLE FIRST. SMALL CUT PLACES WILL THEN BE INSTALLED.

CONTRACTOR SHALL COMPACT PAVING STONES INTO THE SAND LAYER WITH A MECHNICAL PLATE COMPACTOR WITH A FORCE OF 2500-3500 LBS.

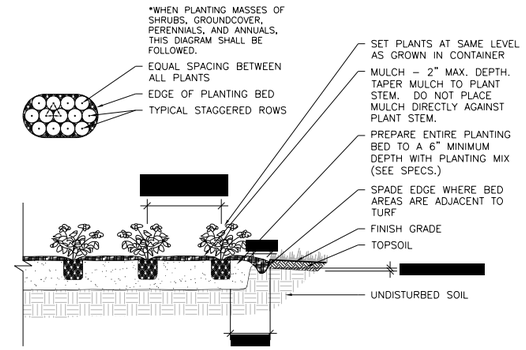
POLYMERIC SAND IS THEN SWEPT INTO THE JOINTS AND VIBRATED UNTIL THE JOINT ARE FULL.

THE PAVERS SHALL BE PLACED ACCORDING TO MANUFACTURER SPECIFICATIONS AND INTERLOCKING CONCRETE PAVEMENT INSTITUTE SPECIFICATIONS.

THE PAVERS SHALL BE ARRANGED IN A HERRINGBONE PATTERN

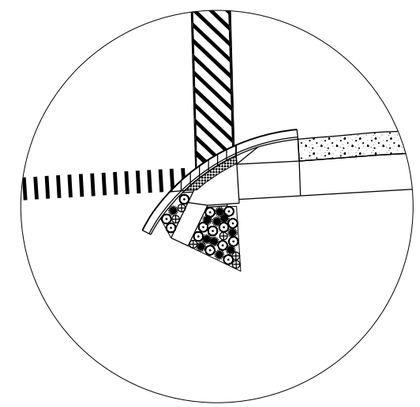
BRICK PAVER BANDING

N.T.S.



TYP. PERENNIAL PLANTING DETAIL

SCALE: NTS



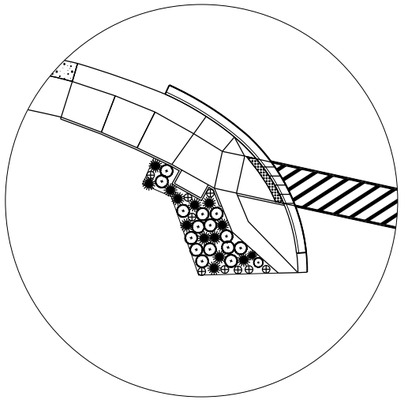
PARENNIAL PLANT LAYOUT 1

PLANT SCHEDULE

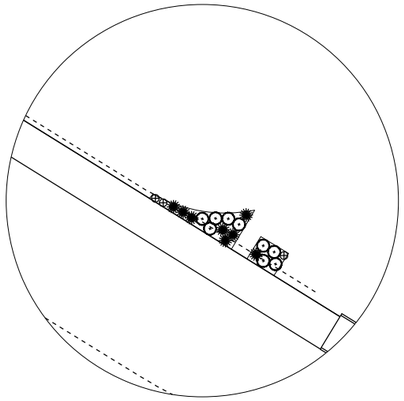
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING
PERENNIALS					
✹	CK	35	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' / KARL FOERSTER FEATHER REED GRASS	1 GAL.	36" O.C.
⊙	PV	44	PANICUM VIRGATUM / SWITCH GRASS	1 GAL.	36" O.C.
⊕	HH	18	HEREROCALLIS C 'HAPPY' RETURNS / HAPPY RETURNS DAYLILY	1 GAL.	18" O.C.
▦			SHREDDED BARK MULCH, 2" (FOR USE IN EXISTING BEDS THAT REMAIN)	20 SQ YD	

PLANTING NOTE:

THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER ON THE FINAL PLACEMENTS OF THE PLANT MATERIALS TO AVOID ANY CONFLICTS BETWEEN TREES AND UNDERGROUND UTILITY LINES.



PARENNIAL PLANT LAYOUT 2



PARENNIAL PLANT LAYOUT 3

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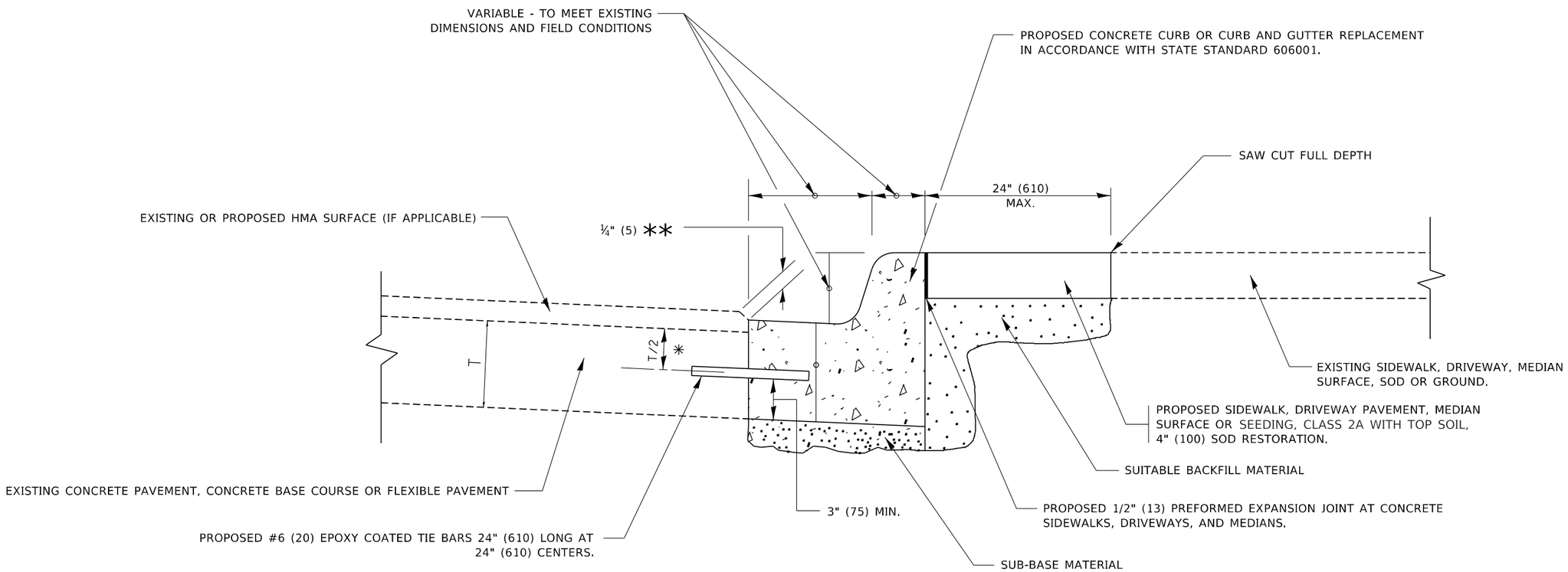
HRGreen.com
Illinois Professional Design Firm # 184-001322

USER NAME = benjamin.belgrave	DESIGNED - JJS	REVISED - XX/XX/XXXX	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LAKE STREET MULTI-USE PATH CONSTRUCTION DETAIL	
	DRAWN - BJB	REVISED - XX/XX/XXXX			
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX			
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX		SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	90
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



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

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: Default
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	DRAWN -	REVISED - M. GOMEZ 01-22-01	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09	
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19	

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	91
BD600-06 (BD-24)		CONTRACT NO. 61L35		
		ILLINOIS FED. AID PROJECT		

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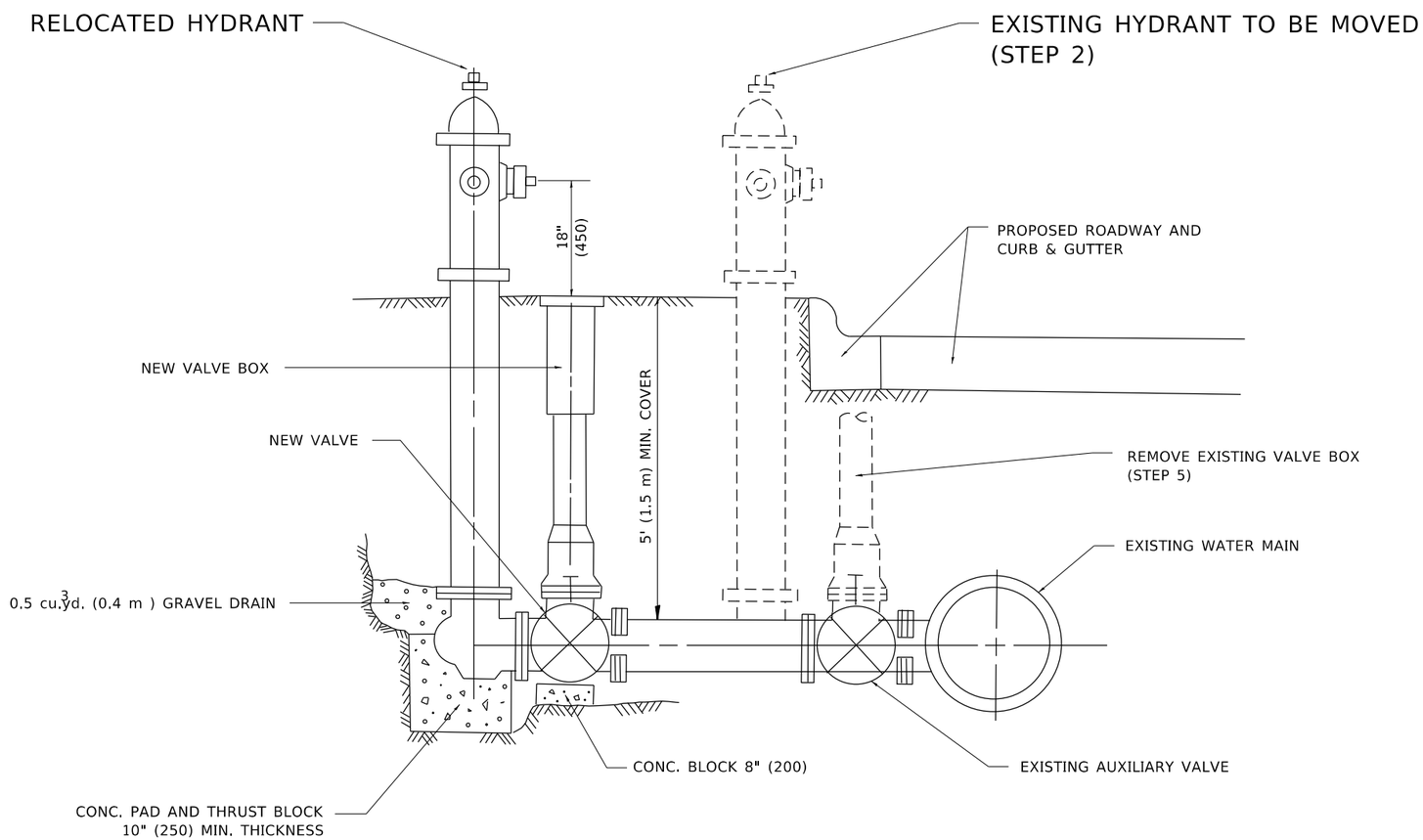


SEQUENCE OF CONSTRUCTION:

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:

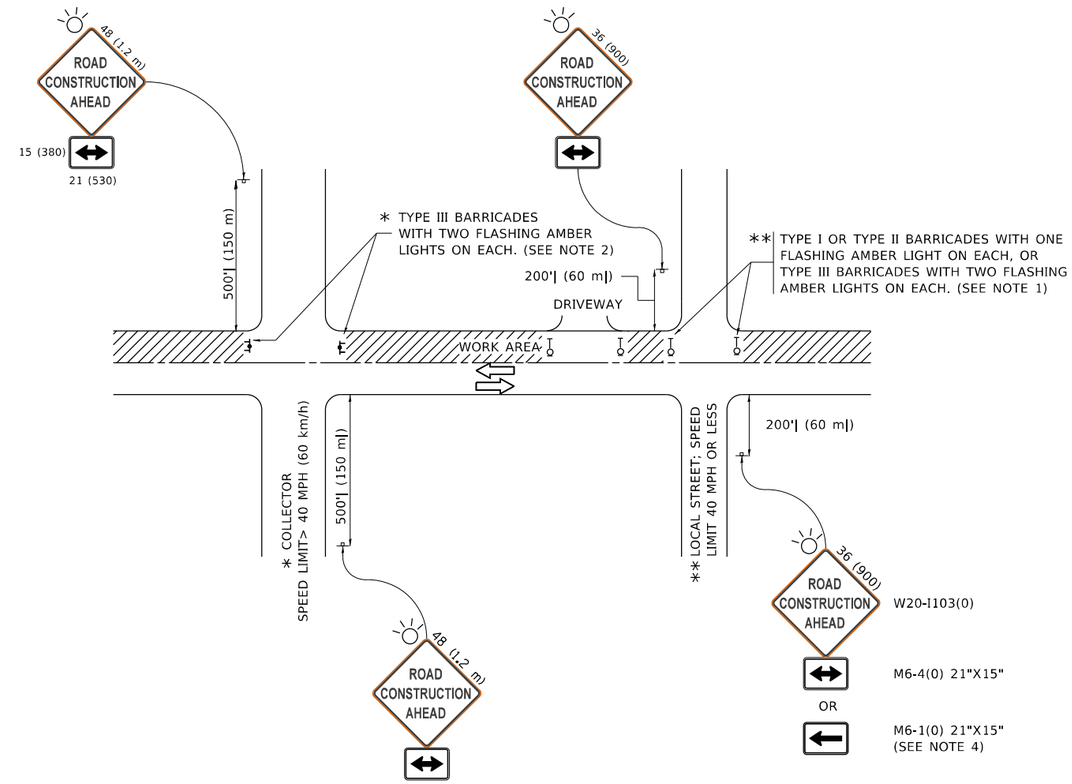
ALL WORK TO BE DONE IN ACCORDANCE WITH SECTION 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

MODEL: Default
FILE NAME: pw:\\illiot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\Projects\District\d22x34\CADdata\CADsheets\bd36.dgn

USER NAME = Lawrence.DeManche	DESIGNED -	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIRE HYDRANT TO BE MOVED	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - R. SHAH 10-25-94			0345	24-00078-00-BT	COOK/DUPAGE	116	92
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 11-18-22				BD-36	CONTRACT NO. 61L35		
PLOT DATE = 11/18/2022	DATE -	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

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

4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.

6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	93
	TC-10	CONTRACT NO. 61L35		
		ILLINOIS FED. AID PROJECT		

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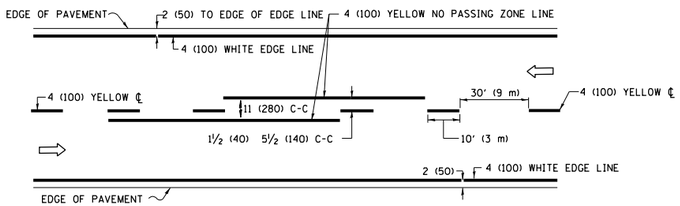
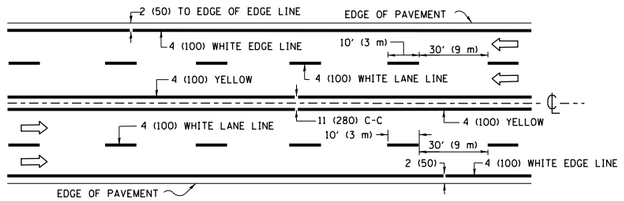
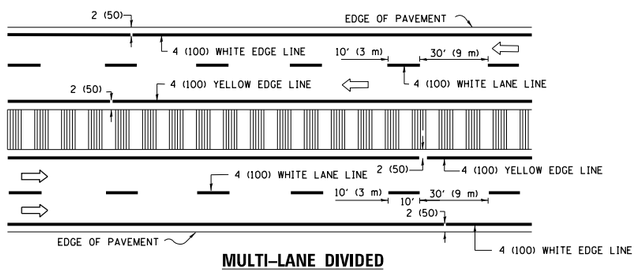


2–LANE ROADWAY

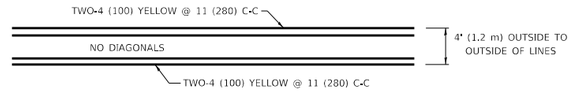


MULTI–LANE UNDIVIDED

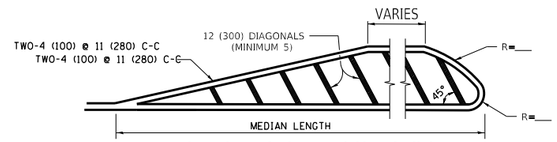


MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



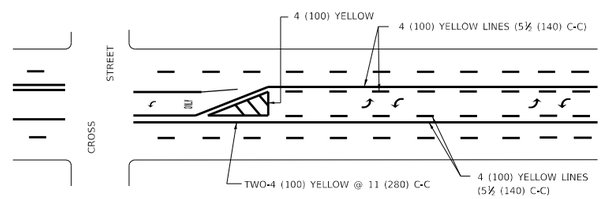
4' (1.2 m) WIDE MEDIANS ONLY



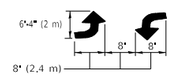
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

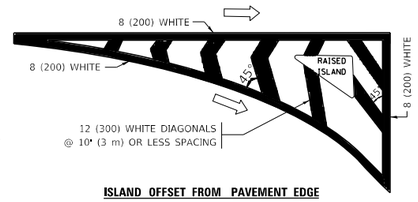


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

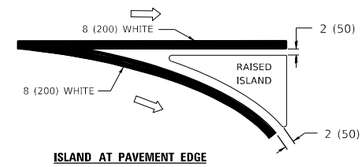


MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

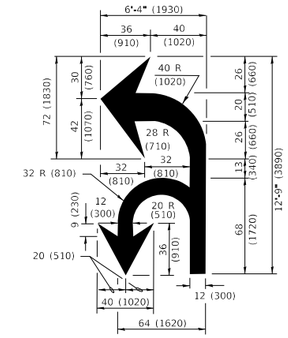


ISLAND OFFSET FROM PAVEMENT EDGE

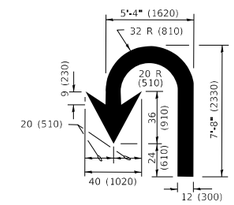


ISLAND AT PAVEMENT EDGE

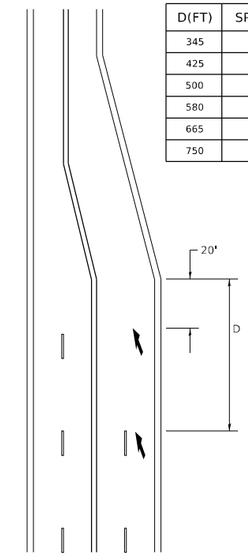
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



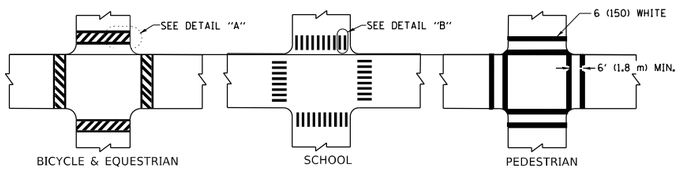
U–TURN

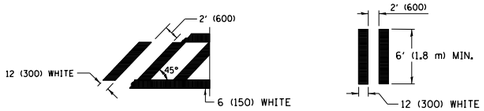


D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION

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

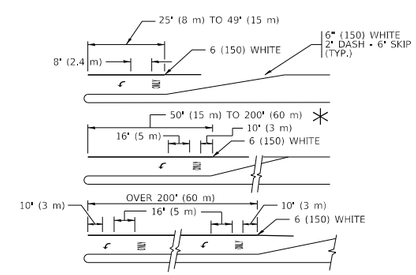




DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	 4 (100) 2 @ 4 (100)	 SOLID SOLID	 YELLOW YELLOW	 5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

MODEL: Default
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USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE TYPICAL PAVEMENT MARKINGS	
	DRAWN -	REVISED - C. JUCIUS 07-01-13			
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15			
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16		SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	94
	TC–13	CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

tc13.dgn 3/4/2019 10:54:37 AM User=footemj

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

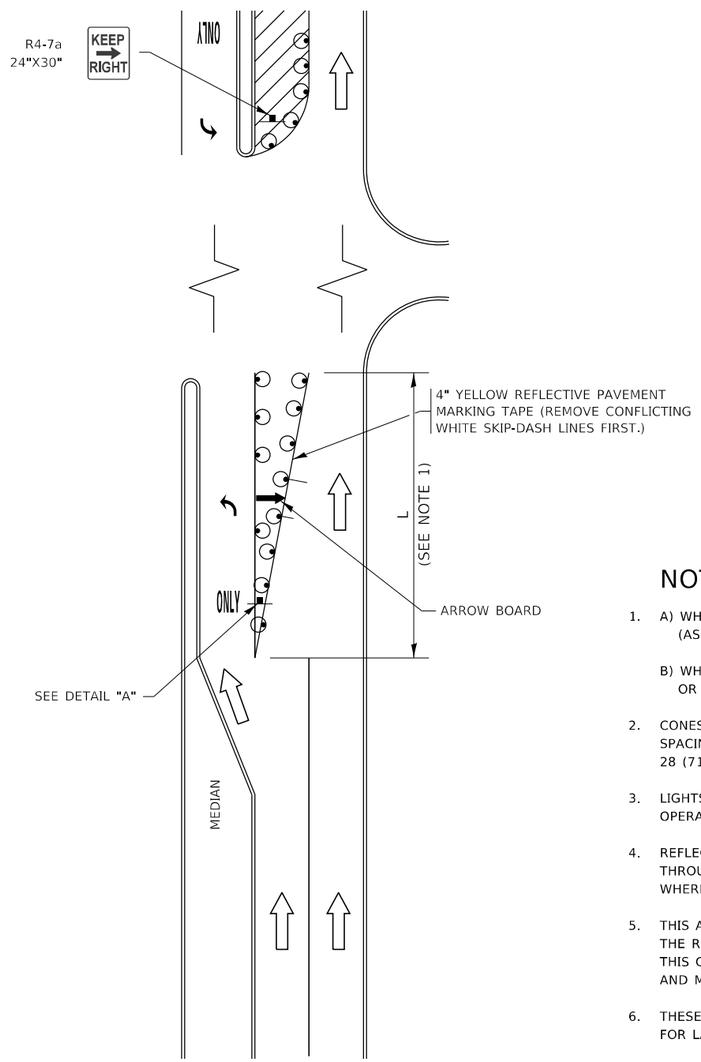


FIGURE 1

LEGEND

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

NOTES:

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

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

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

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

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

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

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

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

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

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

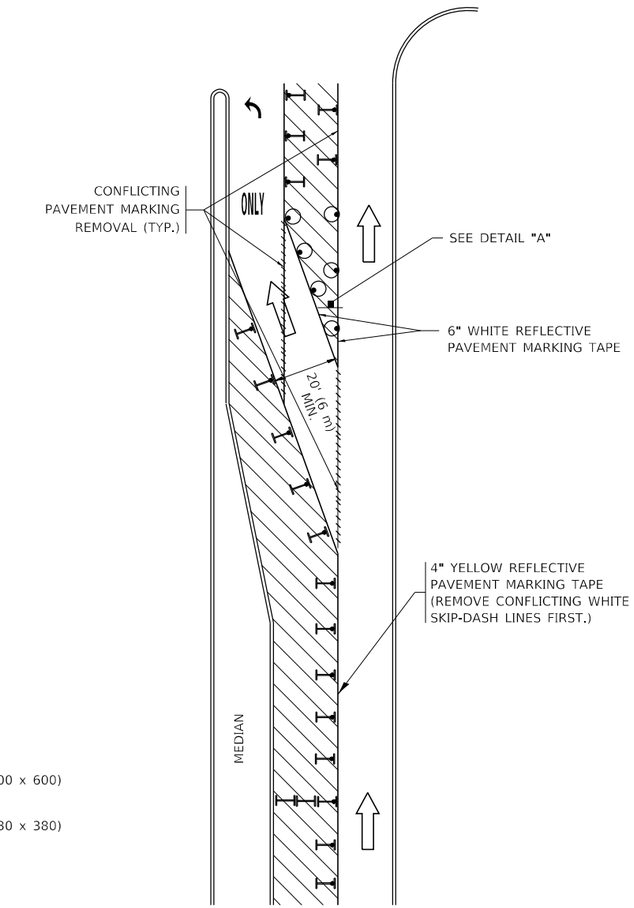
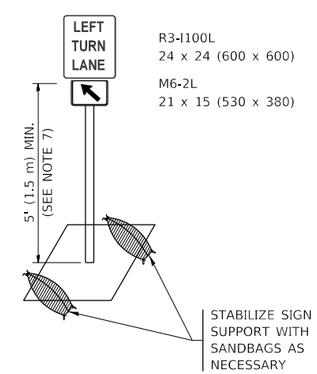


FIGURE 2



DETAIL A

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

USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -	

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	95
	TC-14	CONTRACT NO. 61L35		
		ILLINOIS FED. AID PROJECT		

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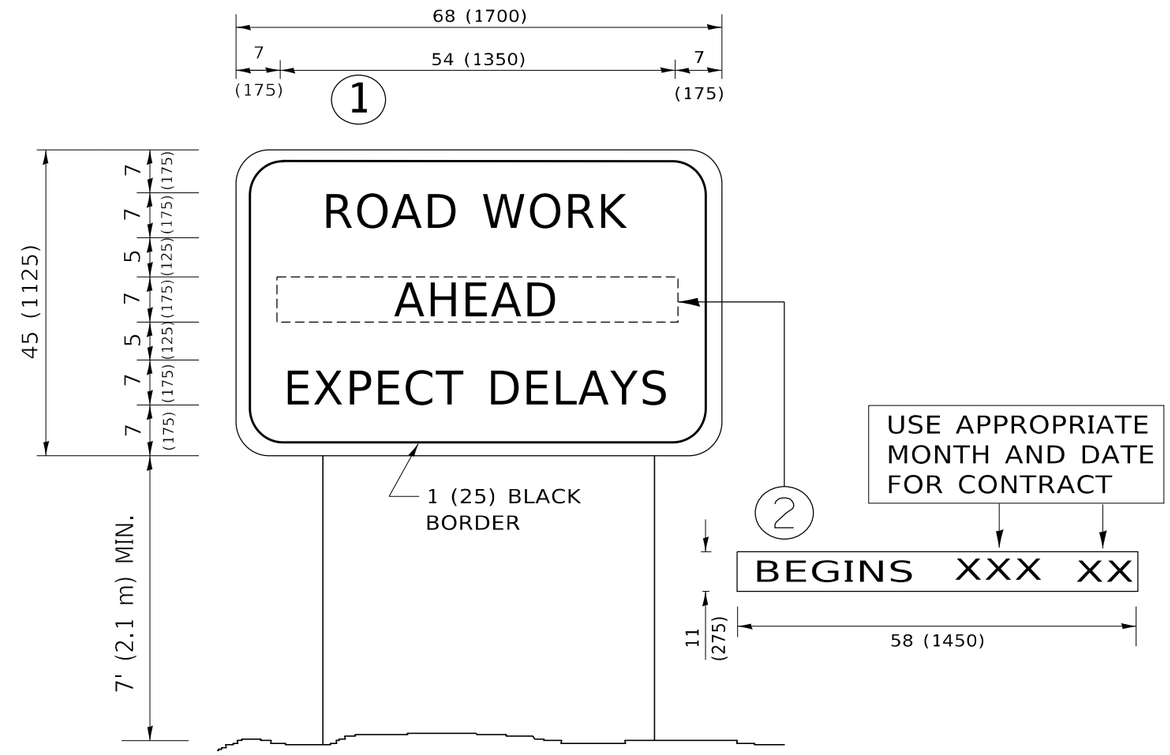

NOTES:

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 SIGN 1 WITH INSTALLED PANEL 2 ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL 2 SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

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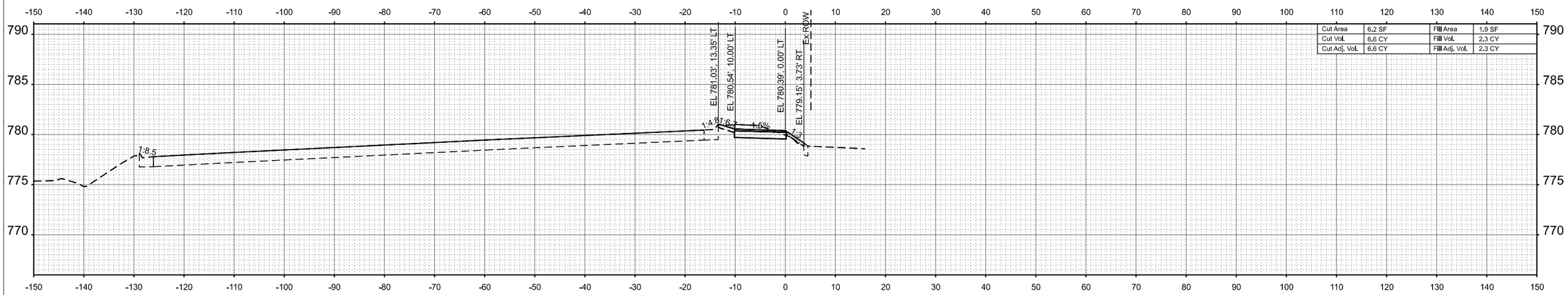
USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	
	DRAWN -	REVISED - R. MIRS 12-11-97			
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99			
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	

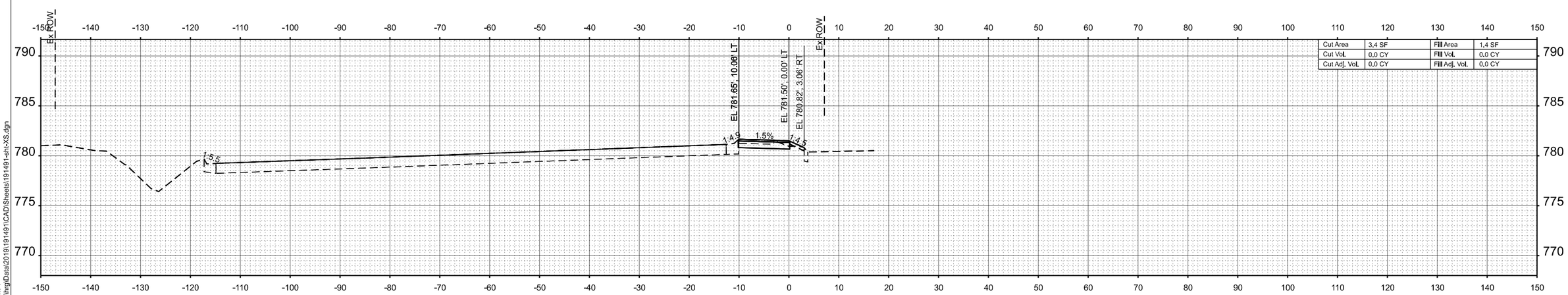
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	96
TC-22		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	

tc22.dgn 3/4/2019 10:48:10 AM User=footemj



Cut Area	6.2 SF	Fill Area	1.9 SF
Cut Vol.	6.6 CY	Fill Vol.	2.3 CY
Cut Adj. Vol.	6.6 CY	Fill Adj. Vol.	2.3 CY

STA 54+50.00



Cut Area	3.4 SF	Fill Area	1.4 SF
Cut Vol.	0.0 CY	Fill Vol.	0.0 CY
Cut Adj. Vol.	0.0 CY	Fill Adj. Vol.	0.0 CY

STA 54+12.82

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HRGreen.com
Illinois Professional Design Firm
184-001322

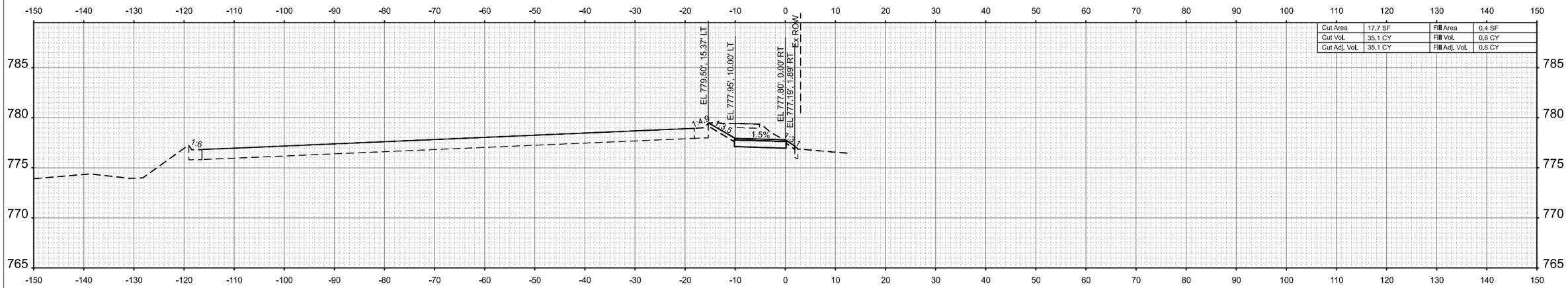
USER NAME = benjamin.belgrave	DESIGNED - JJS	REVISED - XX/XX/XXXX	
	DRAWN - XX	REVISED - XX/XX/XXXX	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

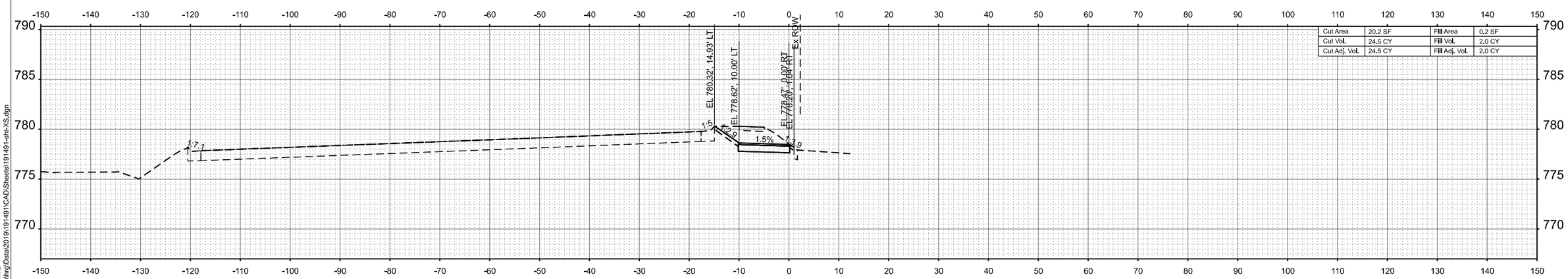
LAKE STREET MULTI-USE PATH
CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 20 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	97
		CONTRACT NO.	61L35	
		ILLINOIS	FED. AID PROJECT	



STA 55+50.00



STA 55+00.00

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HRGreen.com
Illinois Professional Design Firm # 184-001322

USER NAME = benjamin.belgrave	DESIGNED - JJS	REVISED - XX/XX/XXXX	
	DRAWN - XX	REVISED - XX/XX/XXXX	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

SCALE: 1"=10' | SHEET 2 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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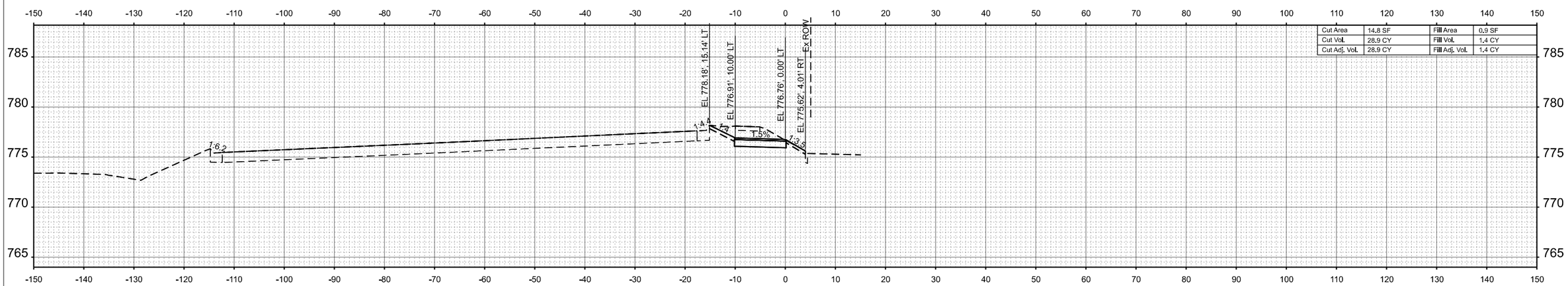
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



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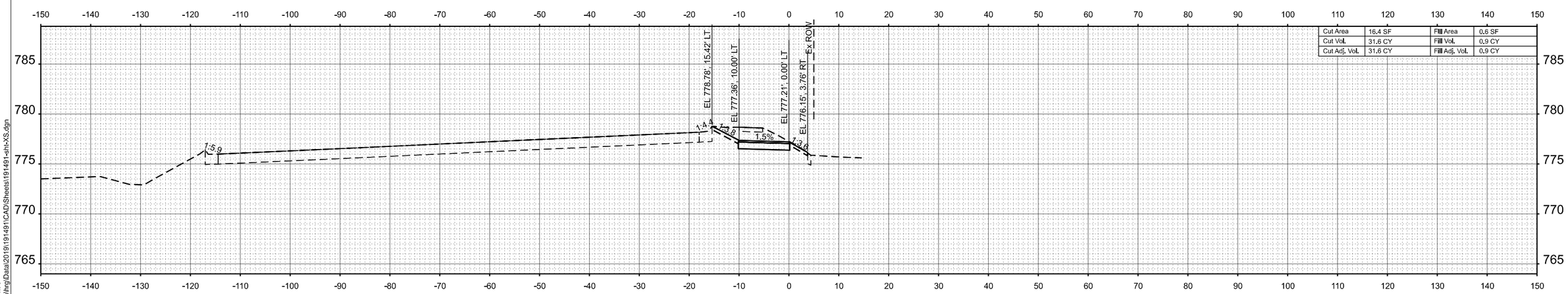
Cut Adj. Vol.	28.9 CY	Fill Adj. Vol.	1.4 CY

STA 56+50.00



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Cut Vol.	31.6 CY	Fill Vol.	0.9 CY
Cut Adj. Vol.	31.6 CY	Fill Adj. Vol.	0.9 CY

STA 56+00.00

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HRGreen.com
Illinois Professional Design Firm
184-001322

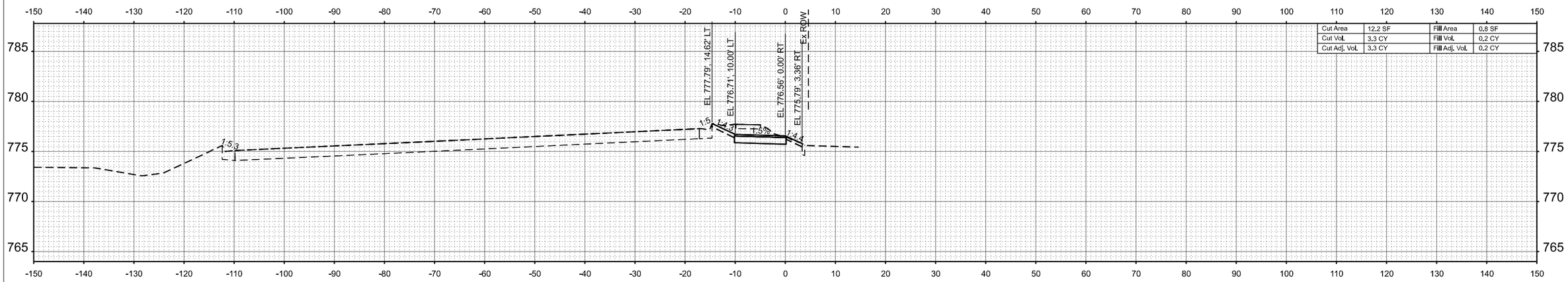
USER NAME = benjamin.belgrave	DESIGNED - JJS	REVISED - XX/XX/XXXX	
	DRAWN - XX	REVISED - XX/XX/XXXX	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

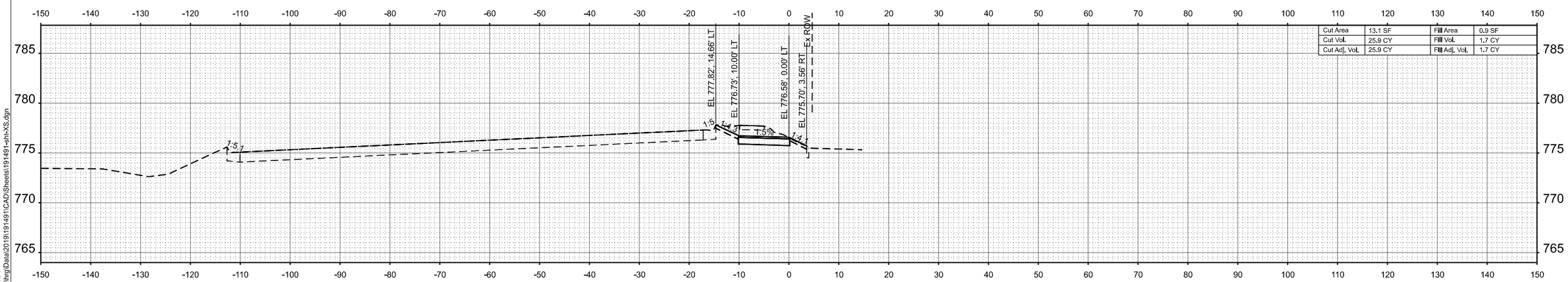
SCALE: 1"=10' | SHEET 3 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	99
		CONTRACT NO.	61L35	
		ILLINOIS	FED. AID PROJECT	



Cut Area	12.2 SF	Fill Area	0.8 SF
Cut Vol.	3.3 CY	Fill Vol.	0.2 CY
Cut Adj. Vol.	3.3 CY	Fill Adj. Vol.	0.2 CY

STA 57+07.04



Cut Area	13.1 SF	Fill Area	0.9 SF
Cut Vol.	25.9 CY	Fill Vol.	1.7 CY
Cut Adj. Vol.	25.9 CY	Fill Adj. Vol.	1.7 CY

STA 57+00.00

MODEL: PrCL_widening Sht 4
FILE NAME: \\hrgreen.com\hrg\Data\2019\191491\CAD\Sheets\191491-sht-XS.dgn

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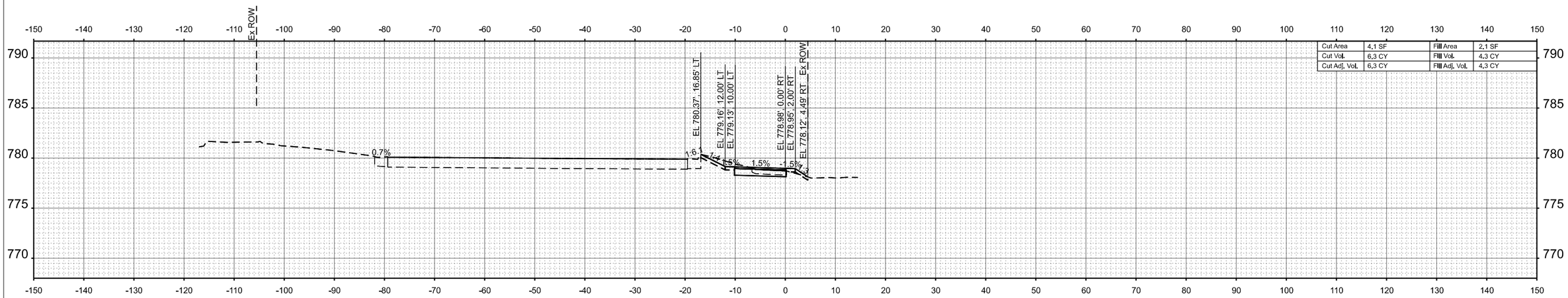
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

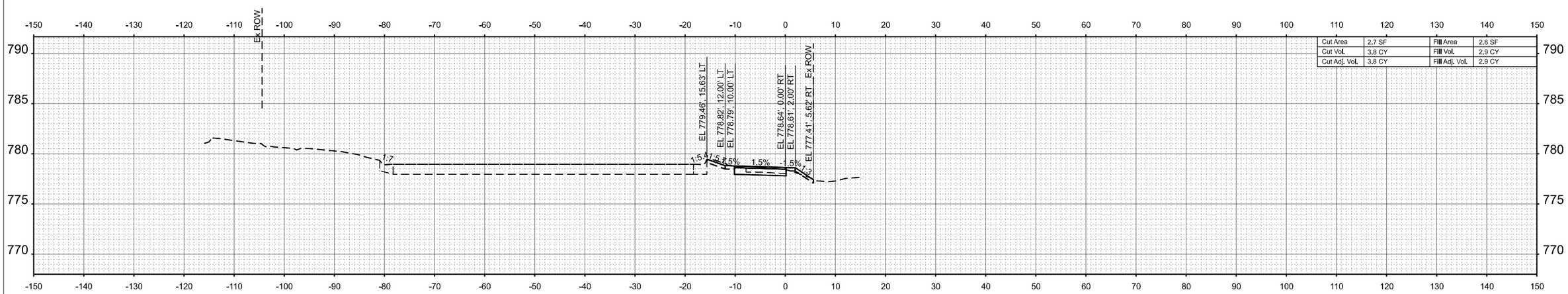
SCALE: 1"=10' | SHEET 4 OF 20 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	100
		CONTRACT NO.	61L35	
		ILLINOIS	FED. AID PROJECT	



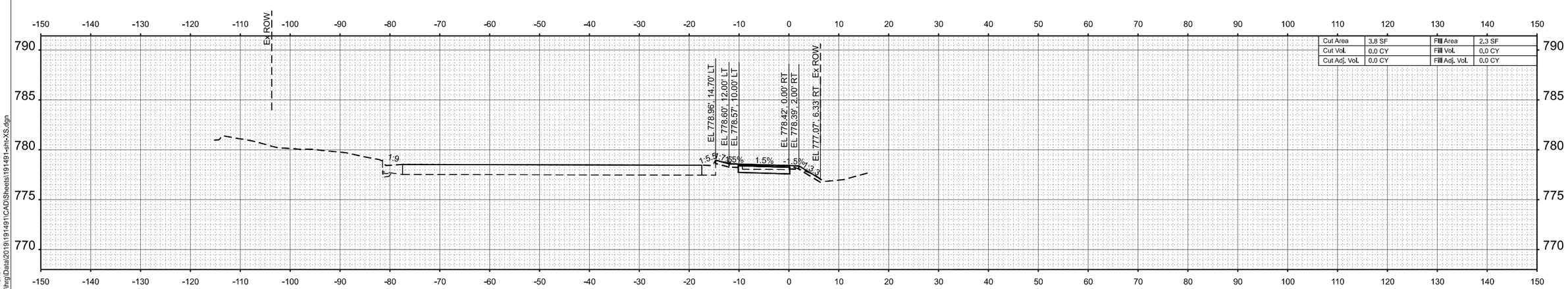
Cut Area	4.1 SF	Fill Area	2.1 SF
Cut Vol.	6.3 CY	Fill Vol.	4.3 CY
Cut Adj. Vol.	6.3 CY	Fill Adj. Vol.	4.3 CY

STA 66+50.00



Cut Area	2.7 SF	Fill Area	2.6 SF
Cut Vol.	3.8 CY	Fill Vol.	2.9 CY
Cut Adj. Vol.	3.8 CY	Fill Adj. Vol.	2.9 CY

STA 66+00.00



Cut Area	3.8 SF	Fill Area	2.3 SF
Cut Vol.	0.0 CY	Fill Vol.	0.0 CY
Cut Adj. Vol.	0.0 CY	Fill Adj. Vol.	0.0 CY

STA 65+68.58

MODEL: PrCL_widening-1 - Sht 1
FILE NAME: \\hrgreen.com\hrg\Data\2019\191491\CAD\Sheets\191491-sht-XS.dgn

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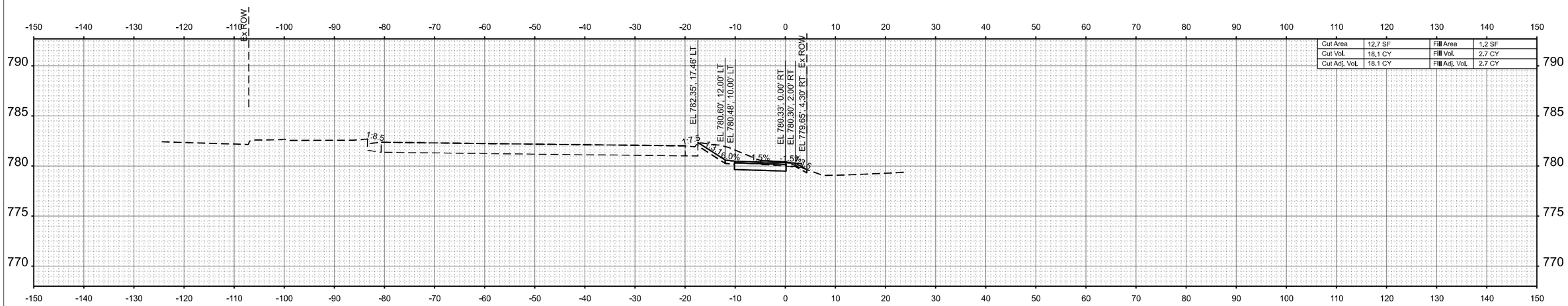
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

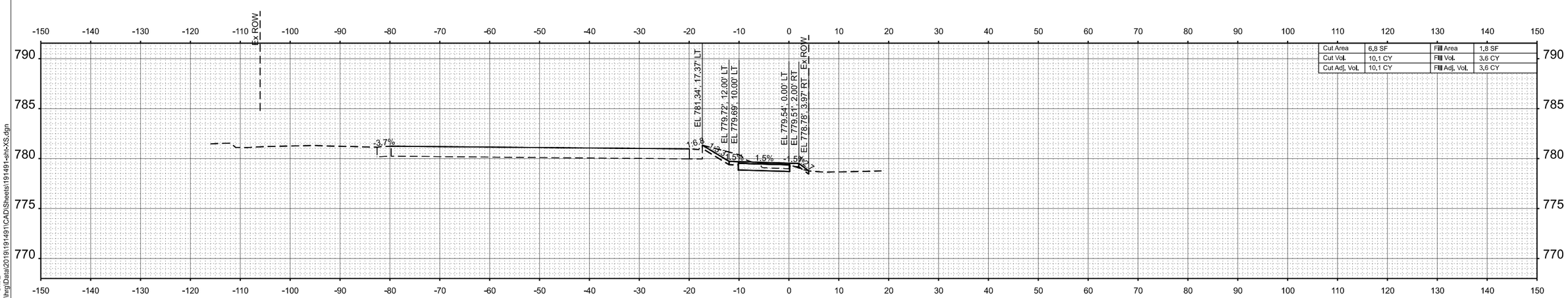
SCALE: 1"=10' | SHEET 5 OF 20 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	101
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



Cut Area	12.7 SF	Fill Area	1.2 SF
Cut Vol.	18.1 CY	Fill Vol.	2.7 CY
Cut Adj. Vol.	18.1 CY	Fill Adj. Vol.	2.7 CY

STA 67+50.00



Cut Area	6.8 SF	Fill Area	1.8 SF
Cut Vol.	10.1 CY	Fill Vol.	3.6 CY
Cut Adj. Vol.	10.1 CY	Fill Adj. Vol.	3.6 CY

STA 67+00.00

MODEL: PrCL_widening-1 - Sht 2
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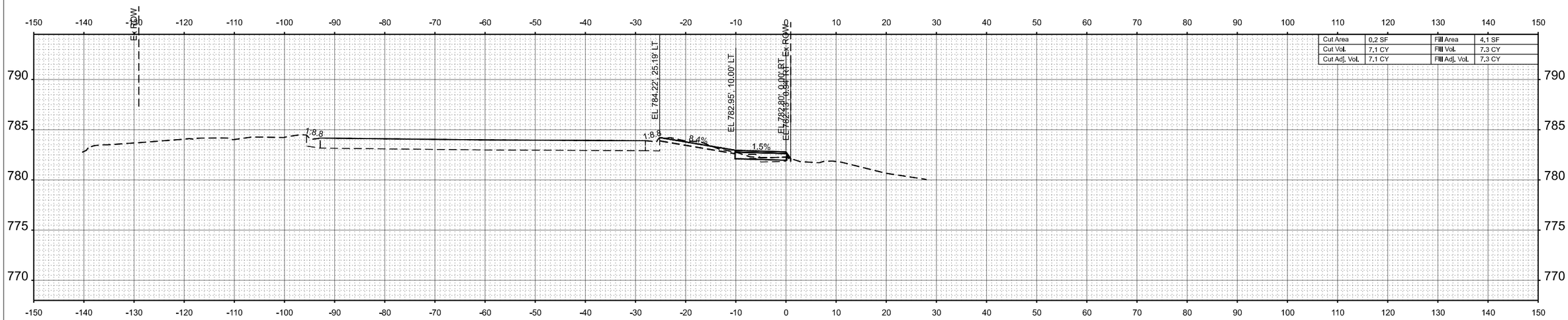
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

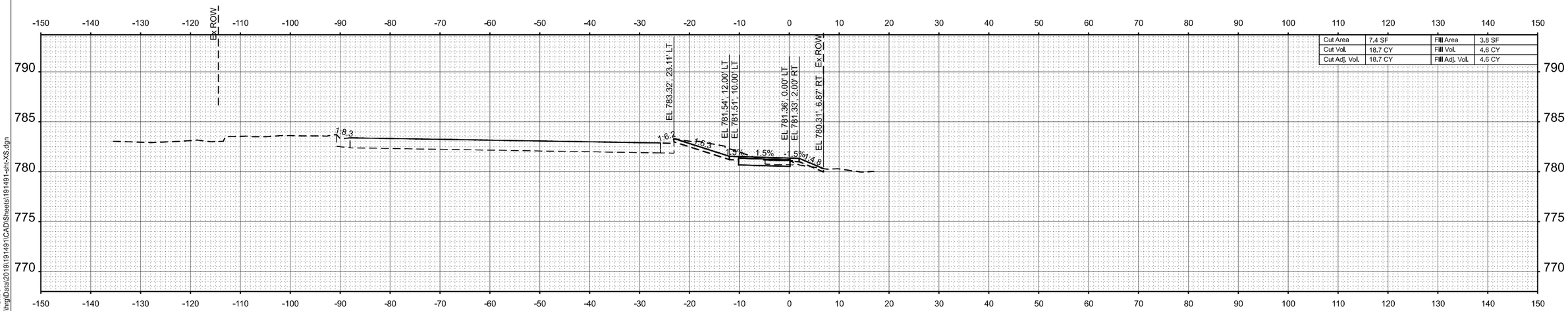
SCALE: 1"=10' | SHEET 6 OF 20 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	102
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



Cut Area	0.2 SF	Fill Area	4.1 SF
Cut Vol.	7.1 CY	Fill Vol.	7.3 CY
Cut Adj. Vol.	7.1 CY	Fill Adj. Vol.	7.3 CY

STA 68+50.00



Cut Area	7.4 SF	Fill Area	3.8 SF
Cut Vol.	18.7 CY	Fill Vol.	4.6 CY
Cut Adj. Vol.	18.7 CY	Fill Adj. Vol.	4.6 CY

STA 68+00.00

MODEL: PrCL_widening-1 - Sht 3
FILE NAME: \\hrgreen.com\hrg\Data\2019\191491\CAD\Sheets\191491-sht-XS.dgn

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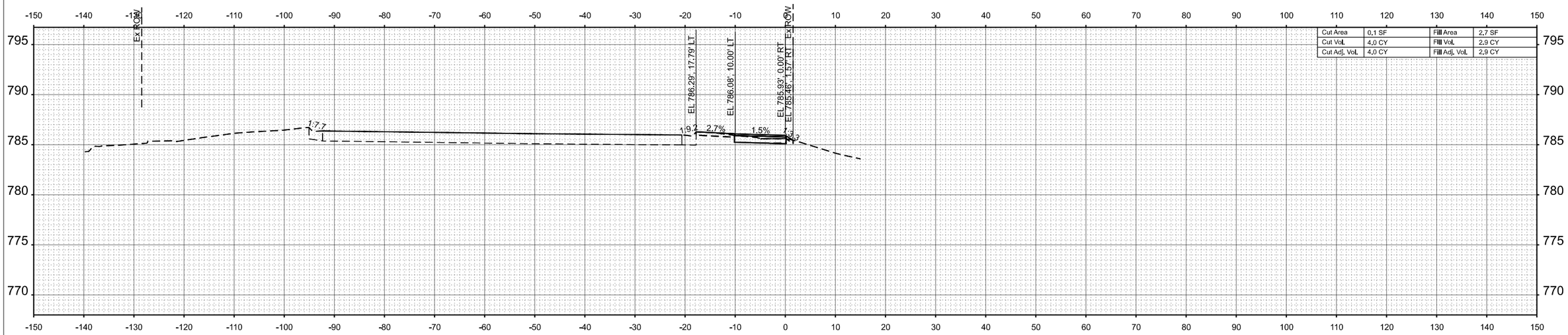
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

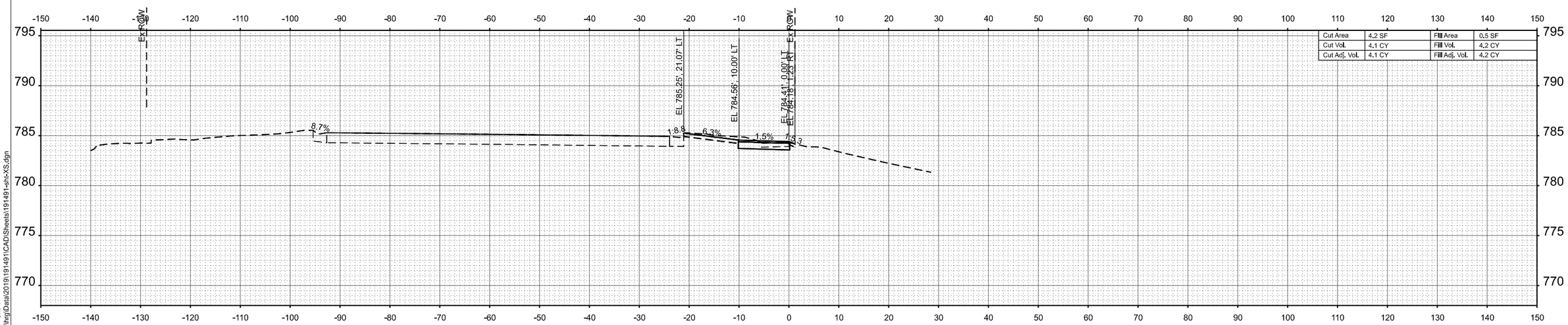
LAKE STREET MULTI-USE PATH
CROSS SECTIONS

SCALE: 1"=10' | SHEET 7 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	103
		CONTRACT NO.	61L35	
		ILLINOIS	FED. AID PROJECT	



STA 69+50.00



STA 69+00.00

MODEL: PrCL_widening-1 - Sht 4
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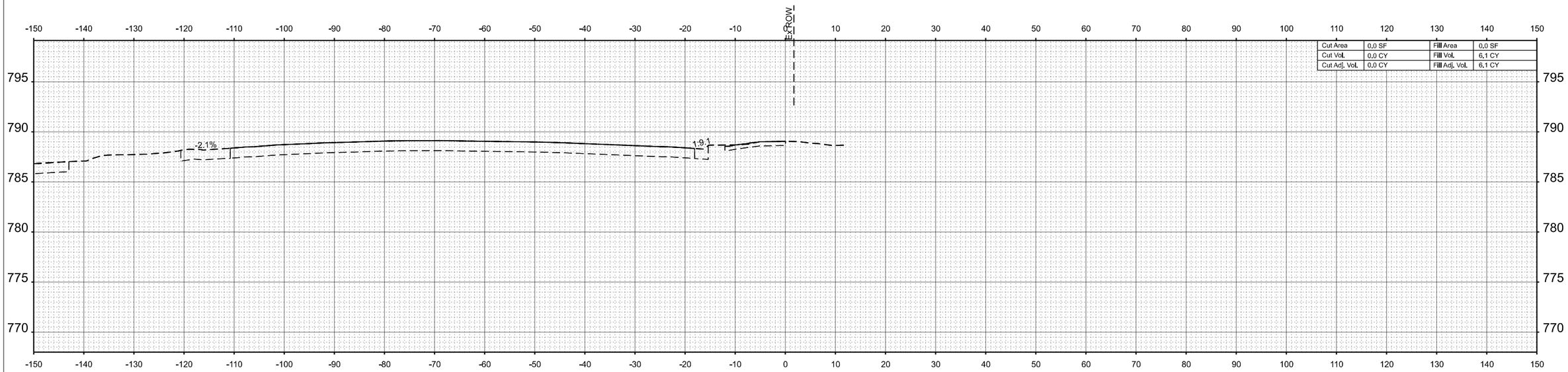
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

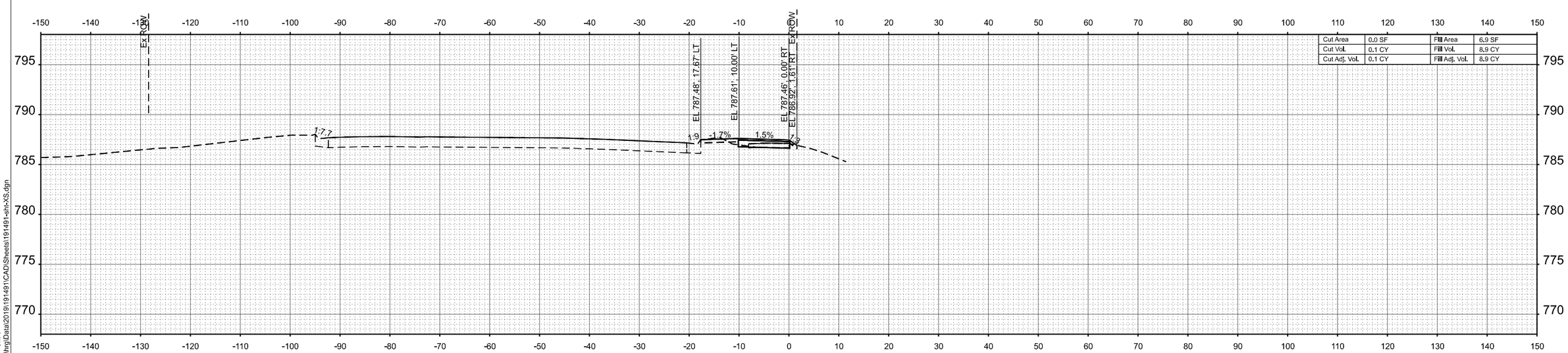
SCALE: 1"=10' | SHEET 8 OF 20 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	104
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



Cut Area	0.0 SF	Fill Area	0.0 SF
Cut Vol.	0.0 CY	Fill Vol.	6.1 CY
Cut Adj. Vol.	0.0 CY	Fill Adj. Vol.	6.1 CY

STA 70+47.80



Cut Area	0.0 SF	Fill Area	6.9 SF
Cut Vol.	0.1 CY	Fill Vol.	8.9 CY
Cut Adj. Vol.	0.1 CY	Fill Adj. Vol.	8.9 CY

STA 70+00.00

MODEL: PrCL_widening-1 - Sht 5
FILE NAME: \\hrgreen.com\hrg\Data\2019\191491\CAD\Sheets\191491-sht-XS.dgn

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	DRAWN - XX	REVISED - XX/XX/XXXX	
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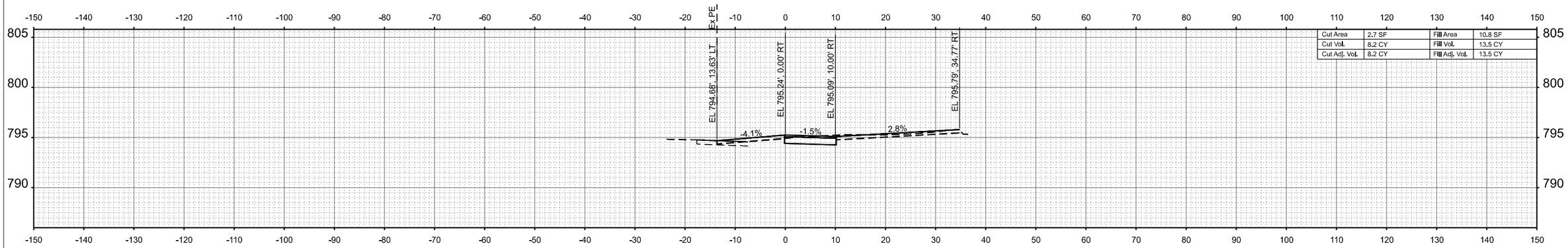
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

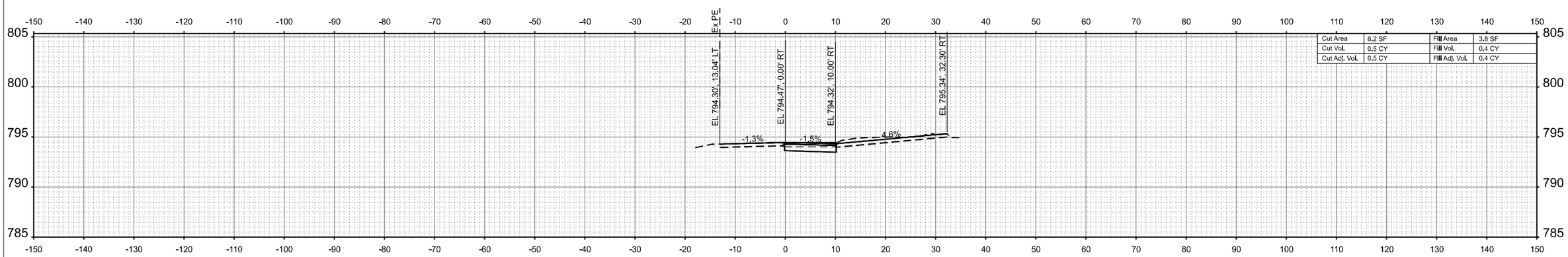
SCALE: 1"=10' | SHEET 9 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	105
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



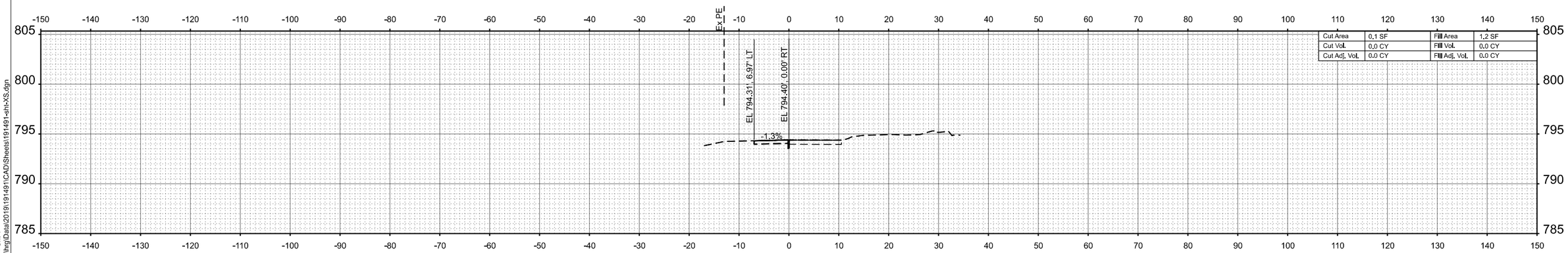
Cut Area	2.7 SF	Fill Area	10.8 SF
Cut Vol.	8.2 CY	Fill Vol.	13.5 CY
Cut Adj. Vol.	8.2 CY	Fill Adj. Vol.	13.5 CY

STA 75+00.00



Cut Area	6.2 SF	Fill Area	3.8 SF
Cut Vol.	0.5 CY	Fill Vol.	0.4 CY
Cut Adj. Vol.	0.5 CY	Fill Adj. Vol.	0.4 CY

STA 74+50.00



Cut Area	0.1 SF	Fill Area	1.2 SF
Cut Vol.	0.0 CY	Fill Vol.	0.0 CY
Cut Adj. Vol.	0.0 CY	Fill Adj. Vol.	0.0 CY

STA 74+45.38

MODEL: PrCL_widening-2 - Sht 1
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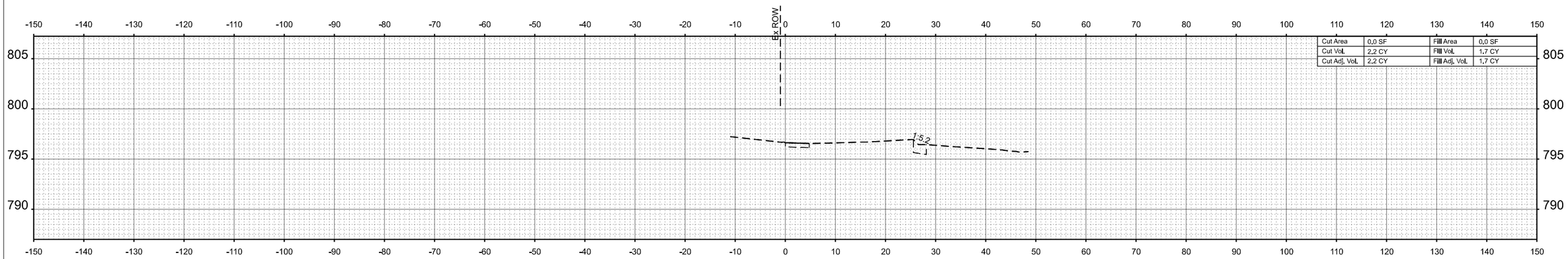
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

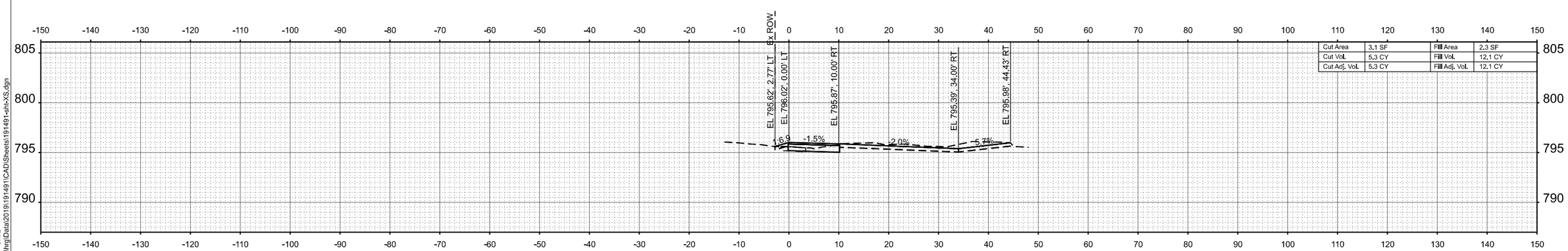
SCALE: 1"=10' | SHEET 10 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	106
		CONTRACT NO.	61L35	
		ILLINOIS	FED. AID PROJECT	



Cut Area	0.0 SF	Fill Area	0.0 SF
Cut Vol.	2.2 CY	Fill Vol.	1.7 CY
Cut Adj. Vol.	2.2 CY	Fill Adj. Vol.	1.7 CY

STA 75+89.51



Cut Area	3.1 SF	Fill Area	2.3 SF
Cut Vol.	5.3 CY	Fill Vol.	12.1 CY
Cut Adj. Vol.	5.3 CY	Fill Adj. Vol.	12.1 CY

STA 75+50.00

MODEL: PrCL_widening-2 - Sht 2
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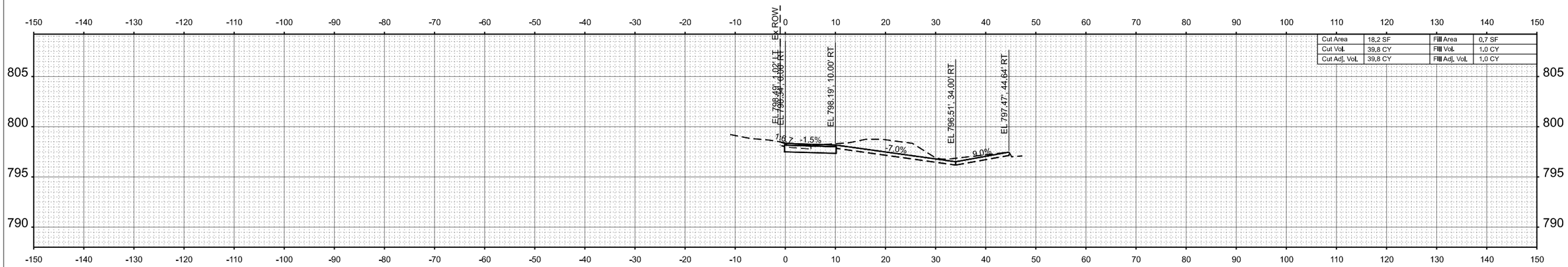
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

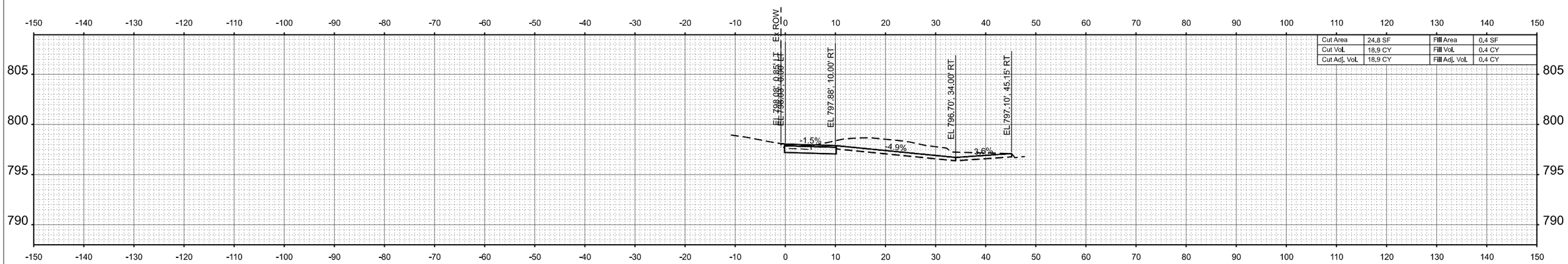
SCALE: 1"=10' | SHEET 11 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	107
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



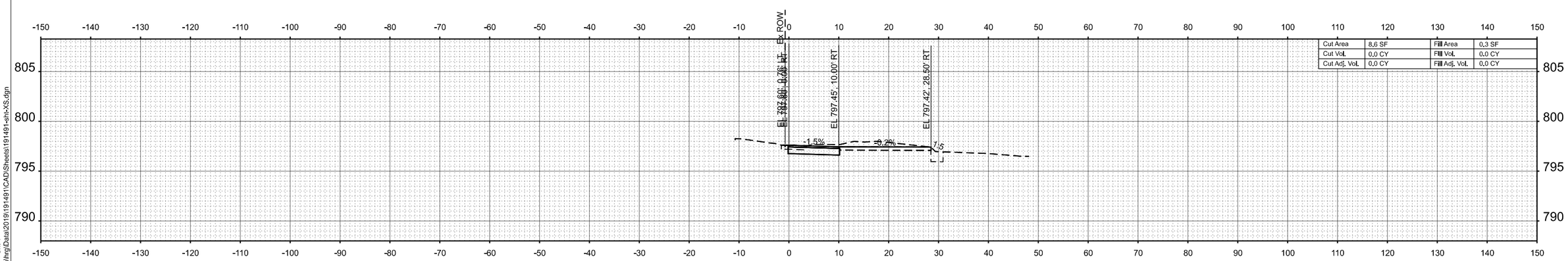
Cut Area	18.2 SF	Fill Area	0.7 SF
Cut Vol.	39.8 CY	Fill Vol.	1.0 CY
Cut Adj. Vol.	39.8 CY	Fill Adj. Vol.	1.0 CY

STA 77+50.00



Cut Area	24.8 SF	Fill Area	0.4 SF
Cut Vol.	18.9 CY	Fill Vol.	0.4 CY
Cut Adj. Vol.	18.9 CY	Fill Adj. Vol.	0.4 CY

STA 77+00.00



Cut Area	8.6 SF	Fill Area	0.3 SF
Cut Vol.	0.0 CY	Fill Vol.	0.0 CY
Cut Adj. Vol.	0.0 CY	Fill Adj. Vol.	0.0 CY

STA 76+69.47

MODEL: PrCL_widening-3 - Sht 1
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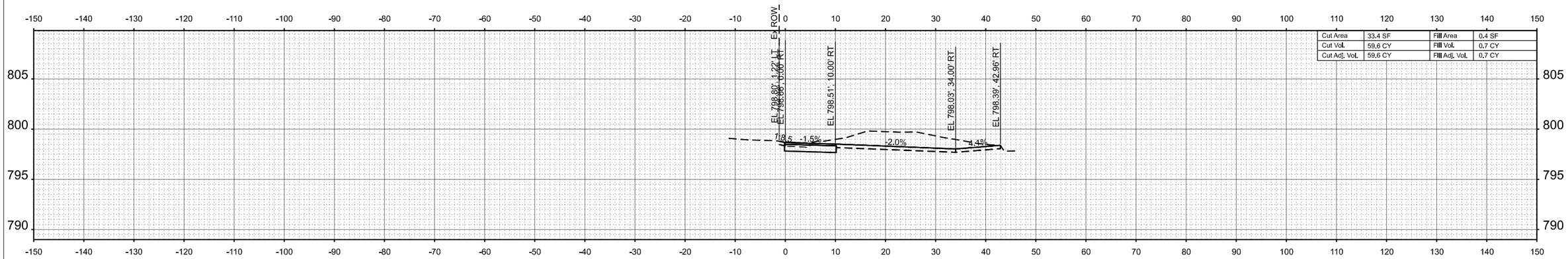
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

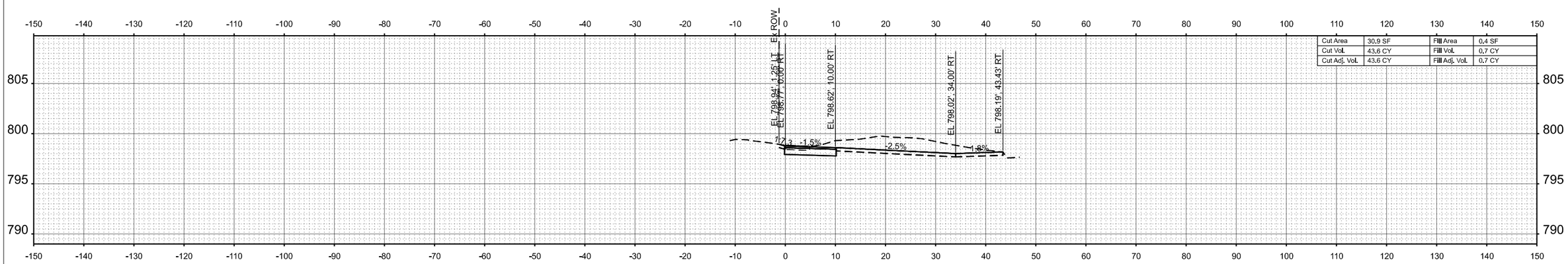
SCALE: 1"=10' | SHEET 12 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	108
		CONTRACT NO.	61L35	
		ILLINOIS	FED. AID PROJECT	



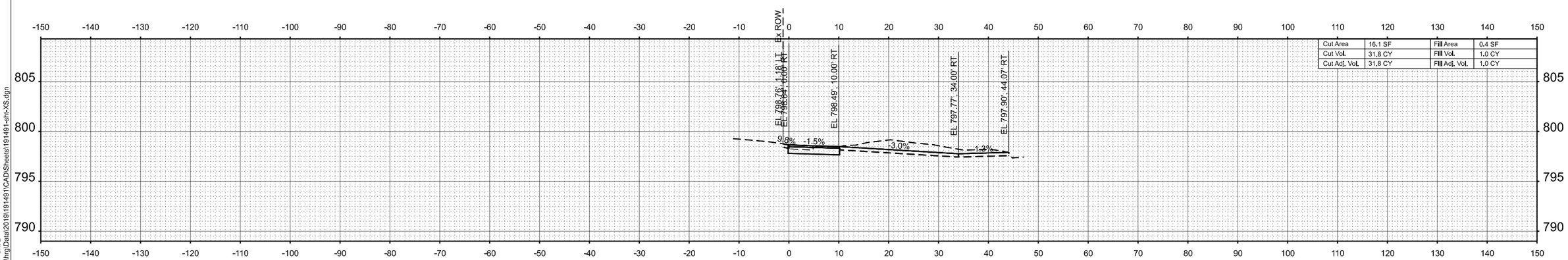
Cut Area	33.4 SF	Fill Area	0.4 SF
Cut Vol.	59.6 CY	Fill Vol.	0.7 CY
Cut Adj. Vol.	59.6 CY	Fill Adj. Vol.	0.7 CY

STA 79+00.00



Cut Area	30.9 SF	Fill Area	0.4 SF
Cut Vol.	43.6 CY	Fill Vol.	0.7 CY
Cut Adj. Vol.	43.6 CY	Fill Adj. Vol.	0.7 CY

STA 78+50.00



Cut Area	16.1 SF	Fill Area	0.4 SF
Cut Vol.	31.8 CY	Fill Vol.	1.0 CY
Cut Adj. Vol.	31.8 CY	Fill Adj. Vol.	1.0 CY

STA 78+00.00

MODEL: PrCL_widening-3 - Sht 2
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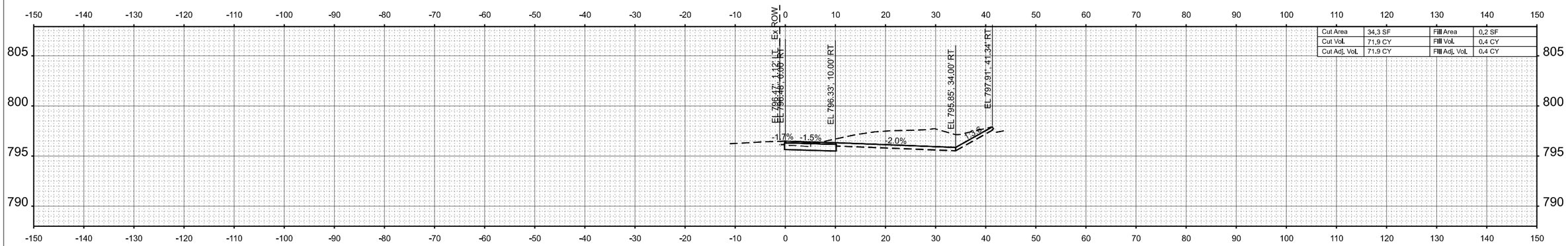
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - XX/XX/XXXX	
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

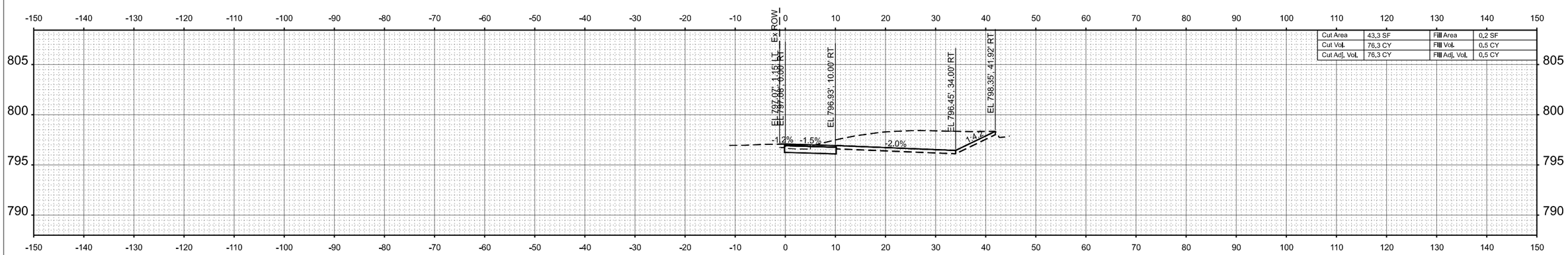
SCALE: 1"=10' | SHEET 13 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	109
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



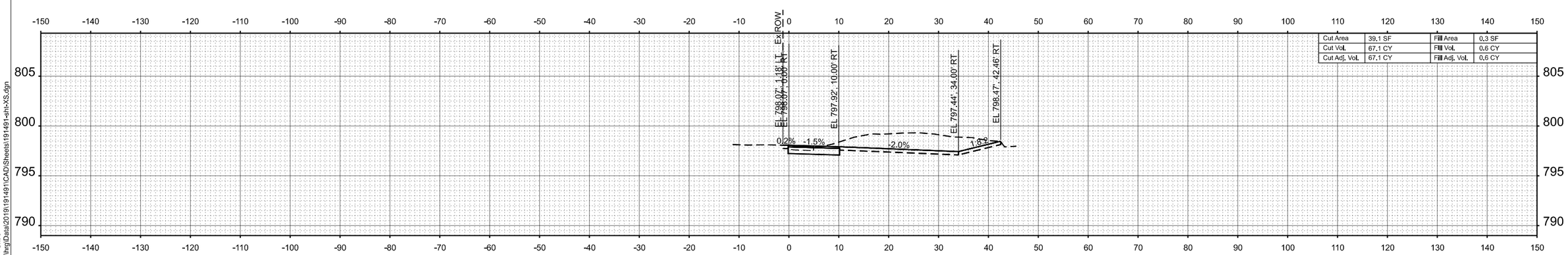
Cut Area	34.3 SF	Fill Area	0.2 SF
Cut Vol.	71.9 CY	Fill Vol.	0.4 CY
Cut Adj. Vol.	71.9 CY	Fill Adj. Vol.	0.4 CY

STA 80+50.00



Cut Area	43.3 SF	Fill Area	0.2 SF
Cut Vol.	76.3 CY	Fill Vol.	0.5 CY
Cut Adj. Vol.	76.3 CY	Fill Adj. Vol.	0.5 CY

STA 80+00.00



Cut Area	39.1 SF	Fill Area	0.3 SF
Cut Vol.	67.1 CY	Fill Vol.	0.6 CY
Cut Adj. Vol.	67.1 CY	Fill Adj. Vol.	0.6 CY

STA 79+50.00

MODEL: PrCL_widening-3 - Sht 3
FILE NAME: \\hrgreen.com\hrgData\2019\191491\CAD\Sheets\191491-sht-XS.dgn

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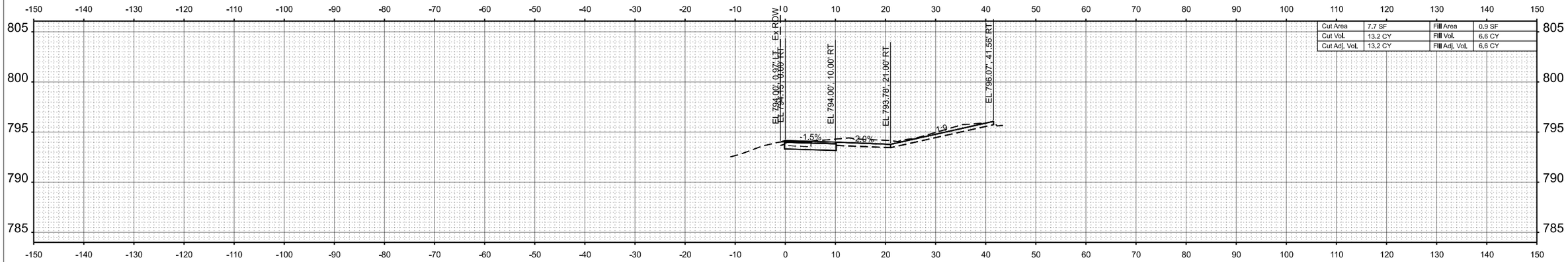
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

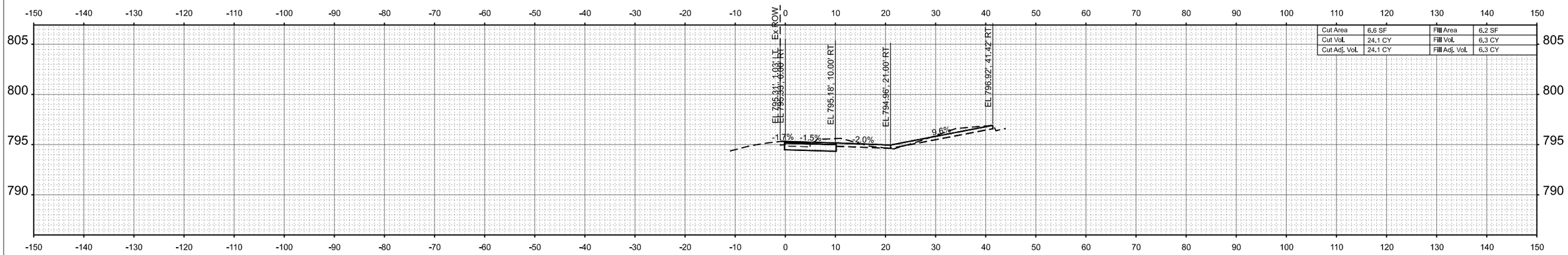
SCALE: 1"=10' | SHEET 14 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	110
		CONTRACT NO. 61L35		
		ILLINOIS FED. AID PROJECT		



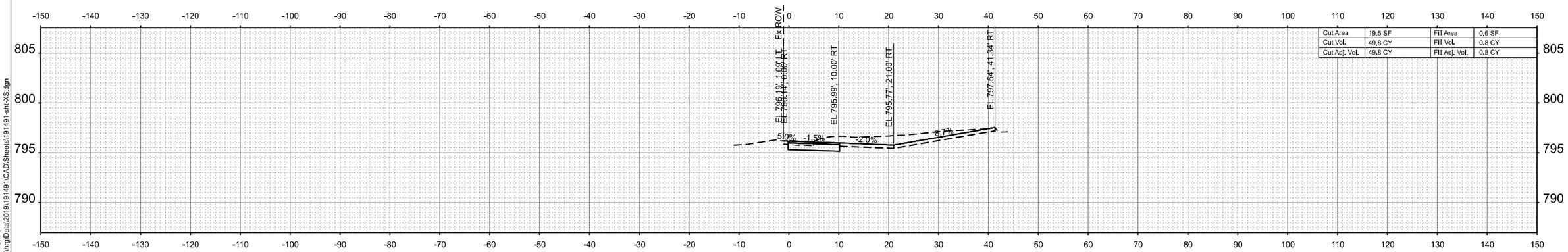
Cut Area	7.7 SF	Fill Area	0.9 SF
Cut Vol.	13.2 CY	Fill Vol.	6.6 CY
Cut Adj. Vol.	13.2 CY	Fill Adj. Vol.	6.6 CY

STA 82+00.00



Cut Area	6.6 SF	Fill Area	6.2 SF
Cut Vol.	24.1 CY	Fill Vol.	6.3 CY
Cut Adj. Vol.	24.1 CY	Fill Adj. Vol.	6.3 CY

STA 81+50.00



Cut Area	19.5 SF	Fill Area	0.6 SF
Cut Vol.	49.8 CY	Fill Vol.	0.8 CY
Cut Adj. Vol.	49.8 CY	Fill Adj. Vol.	0.8 CY

STA 81+00.00

MODEL: PrCL_widening-3 - Sht 4
FILE NAME: \\hrgreen.com\hrgData\2019\191491\CAD\Sheets\191491-sht-XS.dgn

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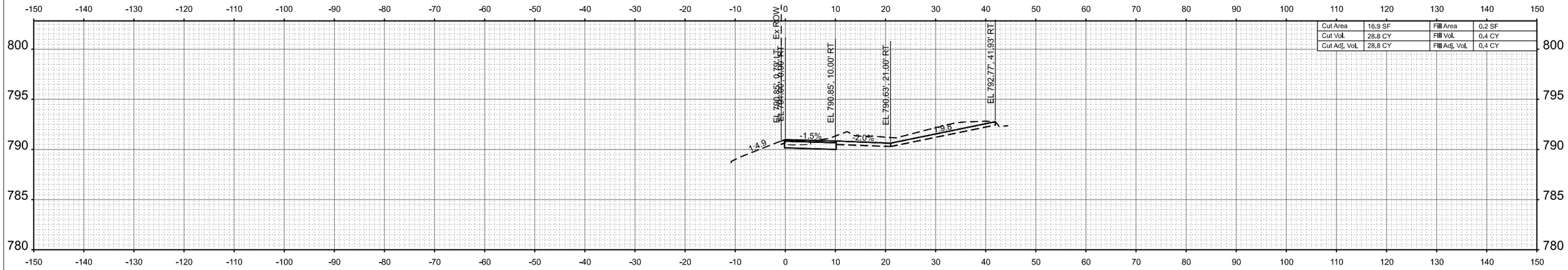
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

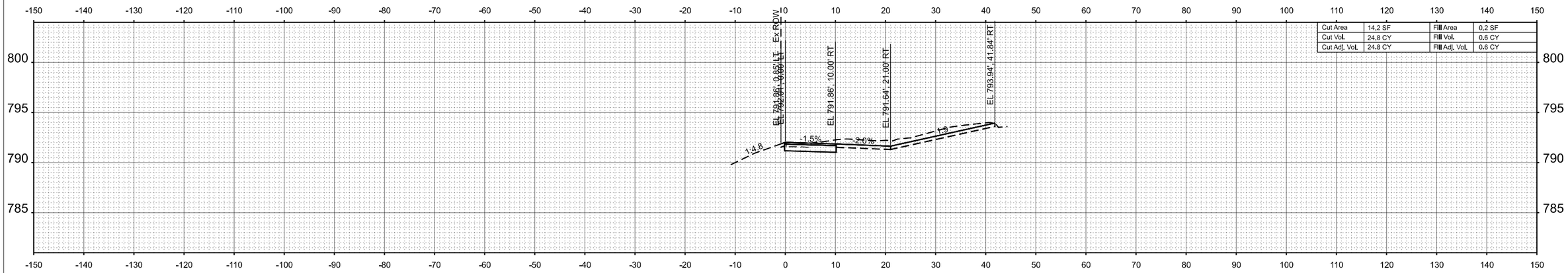
SCALE: 1"=10' | SHEET 15 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	111
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



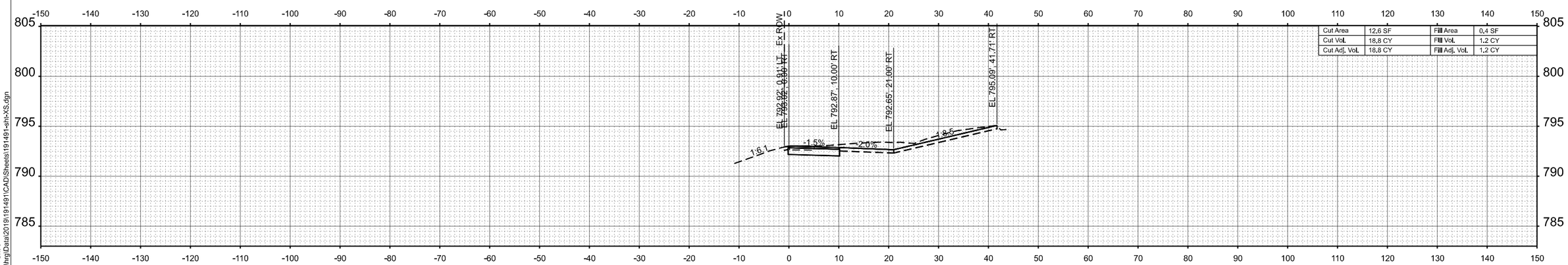
Cut Area	16.9 SF	Fill Area	0.2 SF
Cut Vol.	28.8 CY	Fill Vol.	0.4 CY
Cut Adj. Vol.	28.8 CY	Fill Adj. Vol.	0.4 CY

STA 83+50.00



Cut Area	14.2 SF	Fill Area	0.2 SF
Cut Vol.	24.8 CY	Fill Vol.	0.6 CY
Cut Adj. Vol.	24.8 CY	Fill Adj. Vol.	0.6 CY

STA 83+00.00



Cut Area	12.6 SF	Fill Area	0.4 SF
Cut Vol.	18.8 CY	Fill Vol.	1.2 CY
Cut Adj. Vol.	18.8 CY	Fill Adj. Vol.	1.2 CY

STA 82+50.00

MODEL: PrCL_widening-3 - Sht 5
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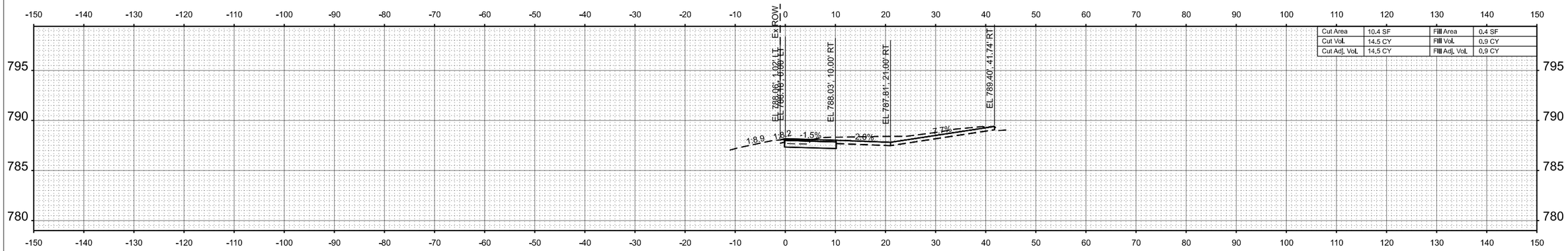
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

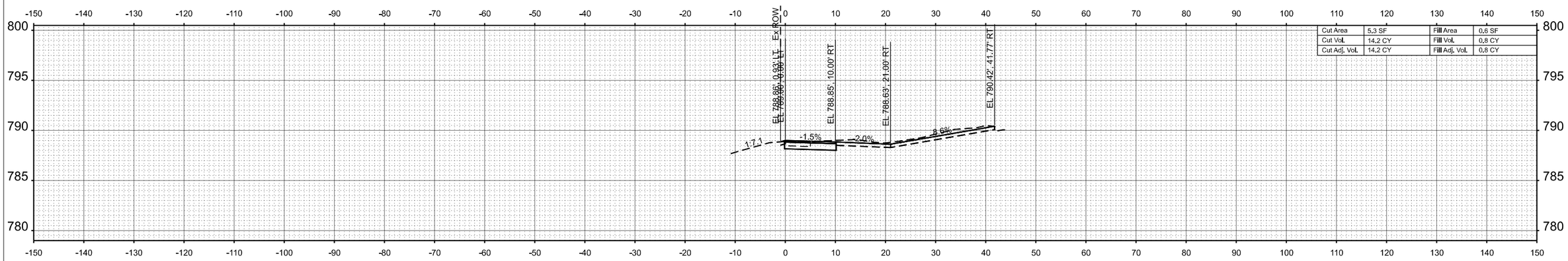
SCALE: 1"=10' | SHEET 16 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	112
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



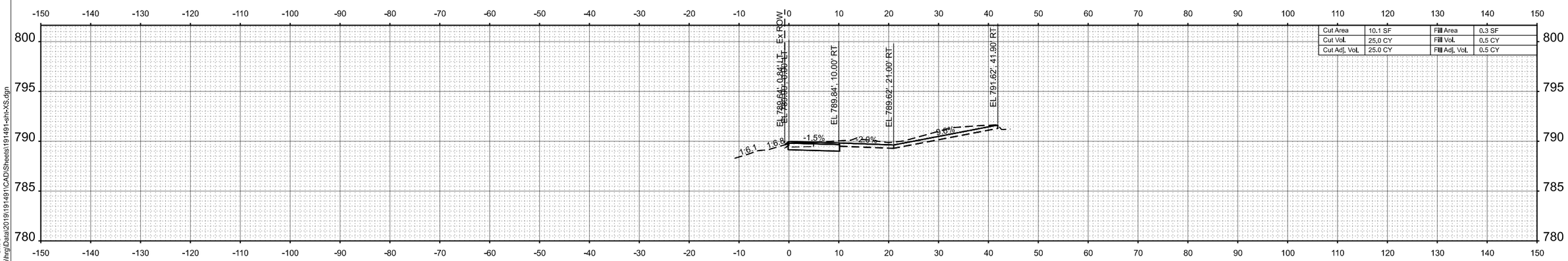
Cut Area	10.4 SF	Fill Area	0.4 SF
Cut Vol.	14.5 CY	Fill Vol.	0.9 CY
Cut Adj. Vol.	14.5 CY	Fill Adj. Vol.	0.9 CY

STA 85+00.00



Cut Area	5.3 SF	Fill Area	0.8 SF
Cut Vol.	14.2 CY	Fill Vol.	0.8 CY
Cut Adj. Vol.	14.2 CY	Fill Adj. Vol.	0.8 CY

STA 84+50.00



Cut Area	10.1 SF	Fill Area	0.3 SF
Cut Vol.	25.0 CY	Fill Vol.	0.5 CY
Cut Adj. Vol.	25.0 CY	Fill Adj. Vol.	0.5 CY

STA 84+00.00

MODEL: PrCL_widening-3 - Sht 6
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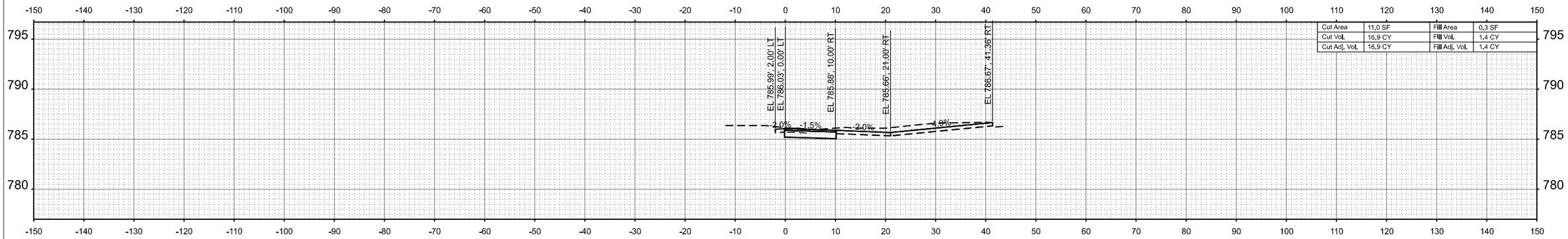
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

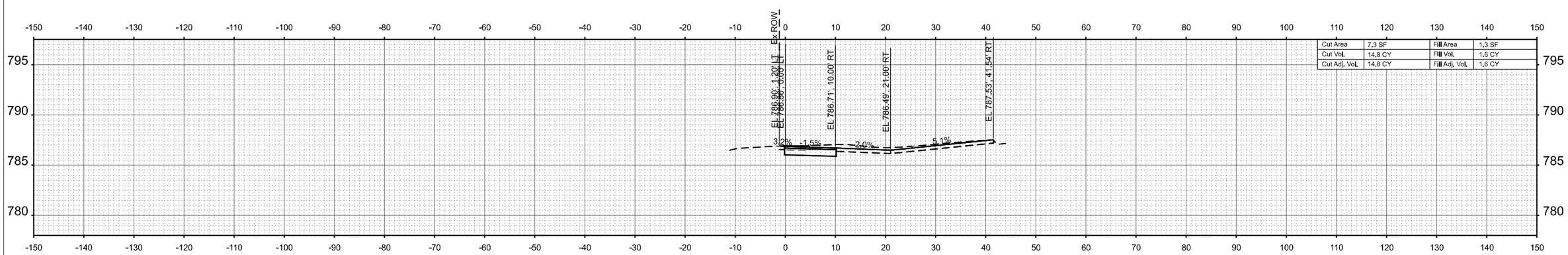
SCALE: 1"=10' | SHEET 17 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	113
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



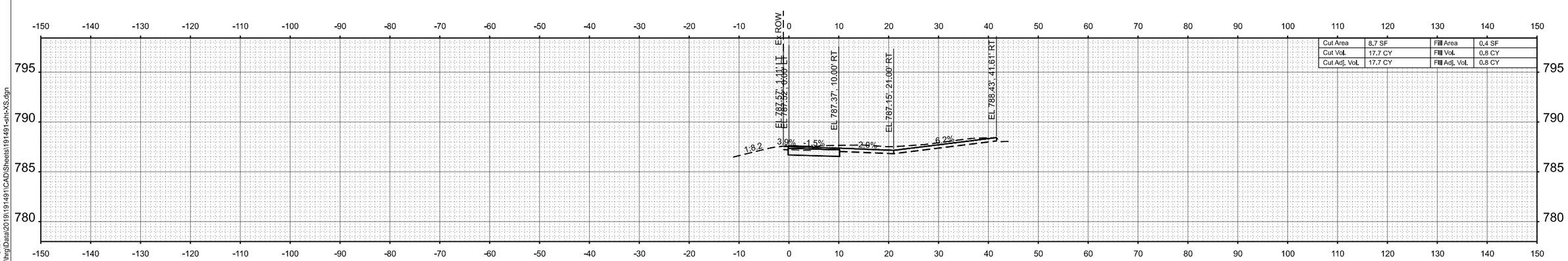
Cut Area	11.0 SF	Fill Area	0.3 SF
Cut Vol.	16.9 CY	Fill Vol.	1.4 CY
Cut Adj. Vol.	16.9 CY	Fill Adj. Vol.	1.4 CY

STA 86+50.00



Cut Area	7.3 SF	Fill Area	1.3 SF
Cut Vol.	14.8 CY	Fill Vol.	1.6 CY
Cut Adj. Vol.	14.8 CY	Fill Adj. Vol.	1.6 CY

STA 86+00.00



Cut Area	8.7 SF	Fill Area	0.4 SF
Cut Vol.	17.7 CY	Fill Vol.	0.8 CY
Cut Adj. Vol.	17.7 CY	Fill Adj. Vol.	0.8 CY

STA 85+50.00

MODEL: PrCL_widening-3 - Sht 7
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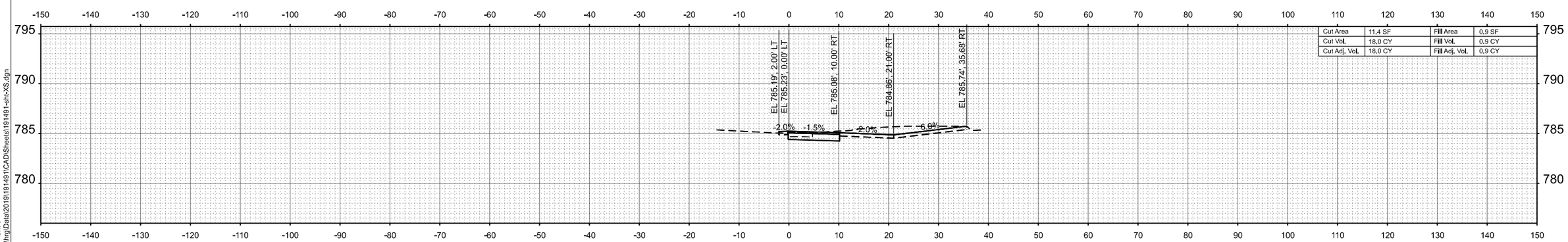
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

SCALE: 1"=10' | SHEET 18 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	114
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	



Cut Area	11.4 SF	Fill Area	0.9 SF
Cut Vol.	18.0 CY	Fill Vol.	0.9 CY
Cut Adj. Vol.	18.0 CY	Fill Adj. Vol.	0.9 CY

STA 86+93.46

MODEL: PrCL_widening-3 - Sht 8
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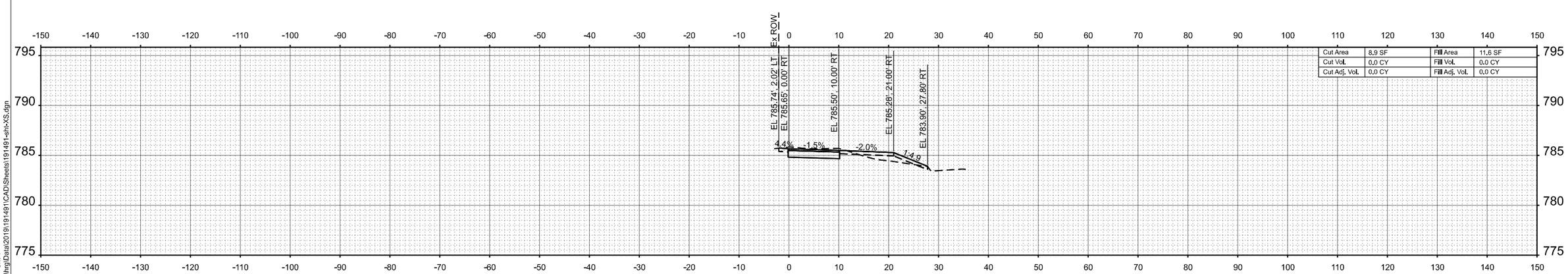
PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

SCALE: 1"=10' | SHEET 19 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	115
		CONTRACT NO.	61L35	
		ILLINOIS	FED. AID PROJECT	



Cut Area	8.9 SF	Fill Area	11.6 SF
Cut Vol.	0.0 CY	Fill Vol.	0.0 CY
Cut Adj. Vol.	0.0 CY	Fill Adj. Vol.	0.0 CY

STA 88+22.84

MODEL: PrCL_widening-4 - Sht 1
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PLOT DATE = 7/21/2025	DATE - 6/9/2025	REVISED - XX/XX/XXXX	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE STREET MULTI-USE PATH
CROSS SECTIONS

SCALE: 1"=10' | SHEET 20 OF 20 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0345	24-00078-00-BT	COOK/DUPAGE	116	116
		CONTRACT NO. 61L35		
		ILLINOIS	FED. AID PROJECT	