

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	1
		ILLINOIS	CONTRACT NO. 61K33	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

04-26-2024 LETTING ITEM 008

**TRAFFIC DATA**

ADT:  
MAIN STREET = 15,400 (2022)

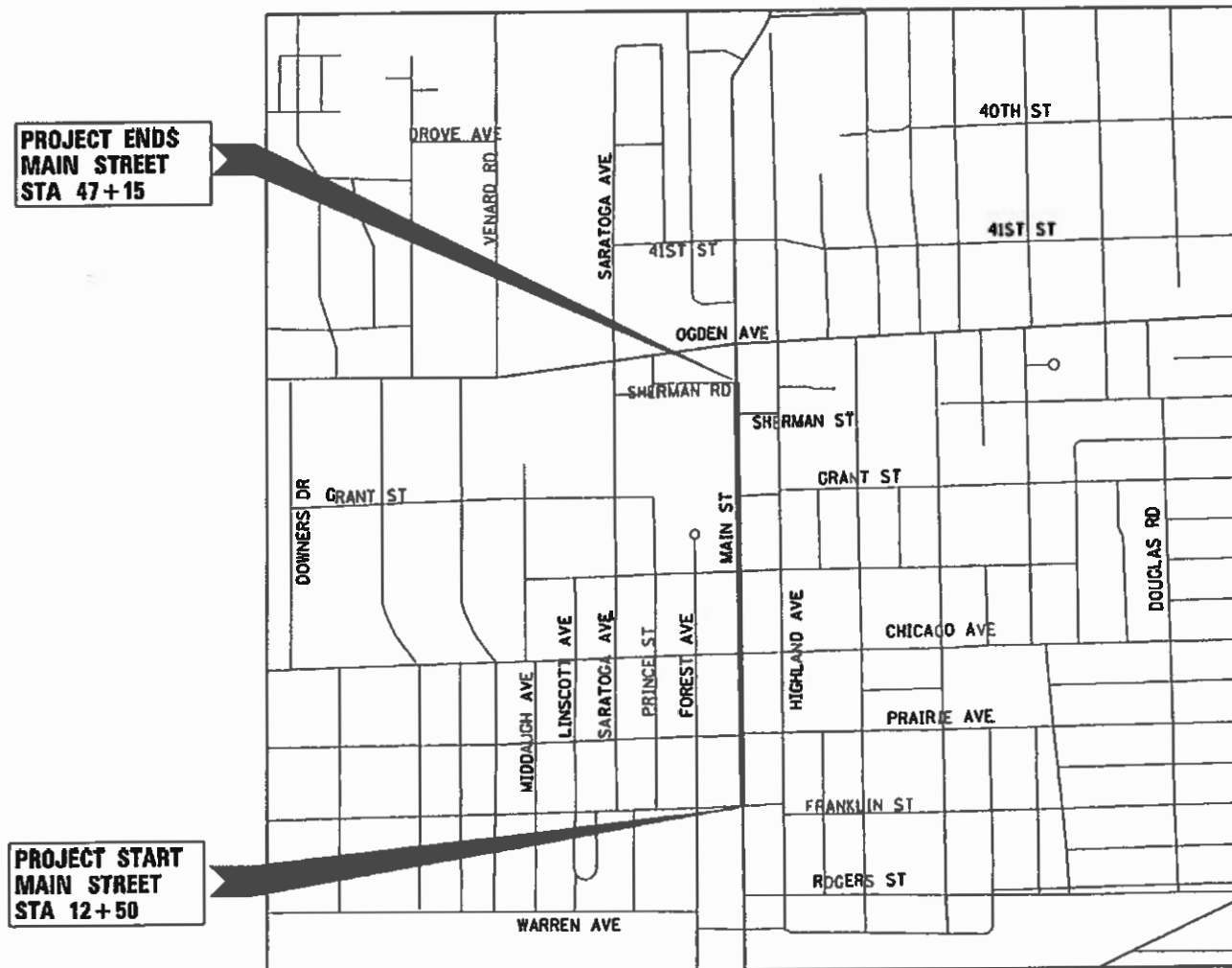
**ROADWAY POSTED & DESIGN SPEED**

MAIN STREET 25 MPH

**DESIGN DESIGNATION**

MAIN STREET: MINOR ARTERIAL

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**PLANS FOR PROPOSED**  
**FEDERAL AID HIGHWAY**  
**FAU ROUTE 2615 (MAIN STREET)**  
**FRANKLIN STREET TO SHERMAN ROAD**  
**ROADWAY RESURFACING AND TRAFFIC SIGNALS**  
**SECTION NO.: 22-00118-00-PV**  
**PROJECT NO.: GE52(001)**  
**VILLAGE OF DOWNERS GROVE**  
**DUPAGE COUNTY**  
**JOB NO.: C-91-013-24**



LOCATION MAP  
(NOT TO SCALE)

**PROJECT LENGTH**

NET AND GROSS LENGTH OF PROJECT: 3,481 FT. = 0.66 MILES



SEAL  
JEFFREY J. STRZALKA, P.E.  
EXPIRES: 11-30-25

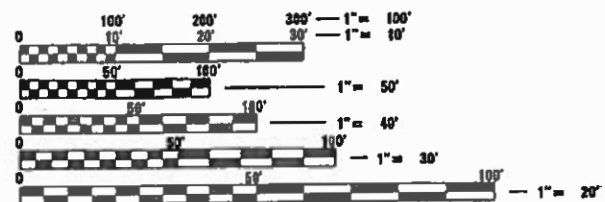
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED: *[Signature]* 2/19/24  
VILLAGE OF DOWNERS GROVE

PASSED: *[Signature]* FEB 22 2024  
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
BASED ON LIMITED REVIEW: *[Signature]* Feb 23 2024  
REGIONAL ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**



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

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

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

CONTRACT NO.: 61K33

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**DISTRICT ONE DETAILS**

BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
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**HIGHWAY STANDARDS**

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
602001-02	CATCH BASIN, TYPE A
602301-04	INLET, TYPE A
602306-03	INLET - TYPE B
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
602406-11	PRECAST MANHOLE TYPE A 6' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604036-03	GRATE, TYPE 8
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF ROAD OPERATION, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF ROAD OPERATION, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS LESS THAN OR EQUAL TO 40 MPH
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
821101-02	LUMINAIRE WIRING IN POLE
825026-04	LIGHTING CONTROLLER, BASE MOUNTED, 480V
830001-03	LIGHT POLE ALUMINUM MAST ARM
836001-04	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
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880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

HRG PROJECT NO.: 220229/  
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 PLOT: 220229.dwg  
 PEN TABLE: pen.tbl



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PLOT DATE = 3/5/2024	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS	
LIST OF HIGHWAY STANDARDS & DISTRICT ONE DETAILS	
SCALE: XXXX	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	2
			CONTRACT NO. 61K33	
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

- 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, 2024.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT. THE CONTRACTOR SHALL NOTE ANY CHANGES FROM THESE PLANS AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE INTENT OF THE ENGINEERING PLANS SUCH AS, NOT LIMITED TO, DRAINAGE, GEOMETRICS AND GRADING.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION AT 8-1-1 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD88 DATUM.
- THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT AND AT THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE PROPERTY WITHOUT WRITTEN CONSENT FROM THE VILLAGE
- 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 AS WELL AS BICYCLISTS. WITHIN 24 HOURS OF PLACING TACK 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.
- THE CONTRACTOR WILL NOT BE PROVIDED ADDITIONAL COMPENSATION FOR RE-STARTUP AND DE-MOBILIZATION / RE-MOBILIZATION COSTS OVER THE DURATION OF THE CONTRACT.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AND PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIME DURING CONSTRUCTION.
- ARTICLE 108.09 SHALL APPLY TO THE NUMBER OF WORKINGS DAYS.
- THE CONTRACTOR MUST CONTACT RICK WILLMAN OF PACE BUS AT 847-228-3584 AT LEAST 10 DAYS IN ADVANCE OF STARTING WORK.

**STORM SEWERS, WATER MAINS, AND UTILITIES**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- THE CONTRACTOR SHALL COOPERATE WITH THE PARK DISTRICT IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE PARK DISTRICT WITHIN THE DURATION OF THE CONTRACT.
- WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
- 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.

- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

**BACKFILL**

- STORM SEWERS SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
- 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.
- TRENCH BACKFILL MATERIAL SHALL CONSIST OF CA-6 CRUSHED STONE OR CRUSHED AGGREGATE.

**SEDIMENTATION AND EROSION CONTROL**

- CONTROL MEASURES SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE ILLINOIS URBAN MANUAL, LATEST EDITIONS, UNLESS OTHERWISE INDICATED.
- 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.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- 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.
- 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.
- 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.
- 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.
- SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD-PRONE AREA OR A 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).
- 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**

- HMA PAVING COLD JOINTS WILL NOT BE PERMITTED. THE CONTRACTOR MUST SCHEDULE AND PLAN FOR RESURFACING OPERATIONS ACCORDINGLY.

**LANDSCAPING**

- THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

**EARTHWORK**

- THE AVERAGE DEPTH OF PAVEMENT REMOVAL IS 12 1/2" TO 16 1/2" AS SHOWN ON THE TYPICAL SECTIONS AND PAVEMENT CORING RESULTS, HOWEVER NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR PAVEMENT FOR VARIANCE IN THICKNESS, MATERIALS TYPES, OR EXCAVATION AND DISPOSAL OF EXCESS MATERIALS.
- TOPSOIL FURNISH AND PLACE WILL BE USED TO FILL THE AREA BEHIND THE NEW CURB AND GUTTER FOR A BLENDED TRANSITION TO THE SIDEWALK. IN SOME AREAS THE THICKNESS OF TOPSOIL MAY EXCEED FOUR INCHES (4") TO BRING THE PROPOSED GRADE FLUSH WITH THE BACK OF CURB. IN OTHER AREAS THE THICKNESS OF TOPSOIL MAY BE LESS THAN FOUR INCHES (4") TO TAPER AND MATCH INTO THE EXISTING PARKWAY.

**COMMITMENTS**

- NONE

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PLOT DATE = 2/14/2024	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	3
CONTRACT NO. 61K33			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	70% FEDERAL 30% DOWNERS GROVE
20101000	TEMPORARY FENCE	FOOT	680	680
* 20101200	TREE ROOT PRUNING	EACH	5	5
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	32	32
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	32	32
20800150	TRENCH BACKFILL	CU YD	71	71
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,678	1,678
25200110	SODDING, SALT TOLERANT	SQ YD	1,678	1,678
25200200	SUPPLEMENTAL WATERING	UNIT	31	31
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	40	40
28000400	PERIMETER EROSION BARRIER	FOOT	785	785
28000510	INLET FILTERS	EACH	22	22
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	543	543
35102400	AGGREGATE BASE COURSE, TYPE B 12"	SQ YD	516	516
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11,685	11,685
40600370	LONGITUDINAL JOINT SEALANT	FOOT	7,939	7,939
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5	5
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	190	190
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, 1L-4.75, N50	TON	985	985
40604062	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70	TON	1,755	1,755
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	189	189

\* SPECIALTY ITEM

HRG PROJECT NO.: 220229  
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PLOT DATE = 2/19/2024	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
 MAIN STREET**

SCALE: XXXX SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	4
				CONTRACT NO. 61K33
ILLINOIS FED. AID PROJECT				



CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	70% FEDERAL 30% DOWNERS GROVE
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	12,303	12,303
42400800	DETECTABLE WARNINGS	SQ FT	76	76
44000100	PAVEMENT REMOVAL	SQ YD	730	730
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	17,315	17,315
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	290	290
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,757	1,757
44000600	SIDEWALK REMOVAL	SQ FT	11,106	11,106
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	173	173
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	188	188
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	173	173
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	4	4
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	37	37
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	78	78
55100400	STORM SEWER REMOVAL 10"	FOOT	40	40
55100700	STORM SEWER REMOVAL 15"	FOOT	82	82
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	2	2
60200105	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	2	2
60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	1	1
60255500	MANHOLES TO BE ADJUSTED	EACH	7	7

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
 MAIN STREET**

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	5
CONTRACT NO. 61K33			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	70% FEDERAL 30% DOWNERS GROVE
60260100	INLETS TO BE ADJUSTED	EACH	3	3
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	3	3
60261000	INLETS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	1	1
60266600	VALVE BOXES TO BE ADJUSTED	EACH	7	7
60406001	FRAMES AND LIDS, TYPE 1, ADA COMPLIANT, OPEN LID	EACH	24	24
60500060	REMOVING INLETS	EACH	5	5
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,790	1,790
67100100	MOBILIZATION	L SUM	1	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	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
* 72000100	SIGN PANEL - TYPE 1	SQ FT	66	66
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	200	200
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SQ FT	972	972
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	11,258	11,258
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,986	2,986
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,750	1,750
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	296	296

\* SPECIALTY ITEM

HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
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PLOT DATE = 3/5/2024	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
 MAIN STREET**

SCALE: XXXX SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV		76	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K33	

	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	70% FEDERAL 30% DOWNERS GROVE
*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1
*	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1
*	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	67	67
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	423	423
*	81603156	UNIT DUCT, 600V, 5-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	6,569	6,569
*	81702160	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	150	150
*	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	7	7
*	82500370	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 200AMP	EACH	1	1
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	182	182
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4	4
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	837	837
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	349	349
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	577	577
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	132	132
*	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1	1
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1	1
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4	4
*	87900200	DRILL EXISTING HANDHOLE	EACH	5	5
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8	8
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1	1

\* SPECIALTY ITEM

HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
 FILE NAME: 220229.sht - 500.dgn  
 PEN TABLE: p1010604.tbl



USER NAME = jstrzal	DESIGNED - JJS	REVISED - XX/XX/XXXX
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PLOT SCALE = 100.0000' / in.	CHECKED - XXX	REVISED - XX/XX/XXXX
PLOT DATE = 3/5/2024	DATE - 8/1/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
 MAIN STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2616	22-00118-00-PV		76	7
CONTRACT NO. 61K33			ILLINOIS FED. AID PROJECT	

	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	70% FEDERAL 30% DOWNERS GROVE
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6	6
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6	6
*	88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1	1
*	88030310	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1	1
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14	14
*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13	13
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	4	4
*	88600100	DETECTOR LOOP, TYPE I	FOOT	592	592
*	89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	2
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	777	777
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	3
	X0322463	CONNECTION TO EXISTING SEWER	EACH	3	3
	X0326806	WASHOUT BASIN	L SUM	1	1
	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	17	17
*	X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	398	398
*	X1400158	FIBER OPTIC SPLICE ENCLOSURE	EACH	2	2
*	X1400216	LAYER II (DATALINK) SWITCH	EACH	3	3
*	X1400319	TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	1	1
*	X1400320	TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	1	1
*	X1400399	VIDEO DETECTION SYSTEM COMPLETE	EACH	2	2

\* SPECIALTY ITEM

HRG PROJECT NO. 220229  
 HRG PROJ. CONTACT  
 FILE: 220229\220229.dwg  
 PLOT: 220229.dwg  
 PEN: TABLE.plt



USER NAME = jstrzal	DESIGNED - JJS	REVISED - XX/XX/XXXX
	DRAWN - TX	REVISED - XX/XX/XXXX
PLOT SCALE = 100.0000' / in.	CHECKED - XXX	REVISED - XX/XX/XXXX
PLOT DATE = 3/5/2024	DATE - 8/2/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**  
**MAIN STREET**

SCALE: XXXX SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2617	22-00118-00-PV	DUPAGE	76	8
			CONTRACT NO. 61K33	
[ ILLINOIS ] FED. AID PROJECT				

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	70% FEDERAL 30% DOWNERS GROVE
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	50	50
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	35	35
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	195	195
X6020084	MANHOLE, SPECIAL	EACH	1	1
X6022805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, SPECIAL	EACH	1	1
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	16	16
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	9	9
X7010238	CHANGEABLE MESSAGE SIGN(SPECIAL)	CAL MO	12	12
* X7240505	RELOCATE SIGN PANEL AND POST	EACH	1	1
* X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	43	43
* X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	119	119
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2	2
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	14	14
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	344	344
* X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	3	3
* XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	3	3
* XX007017	TERMINATE FIBER IN CABINET	EACH	30	30
* XX008251	SPLICE FIBER IN CABINET	EACH	12	12
* XX008396	CAMERA MOUNTING ASSEMBLY, SPECIAL	EACH	1	1
* XX008565	EVP CONFIRMATION BEACON, LED RETROFIT	EACH	4	4

\* SPECIALTY ITEM

HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
 FILE: 220229.dwg  
 PLOT DATE: 3/5/2024  
 PEN TABLE: p10.tbl



USER NAME = jstrzal	DESIGNED - JJS	REVISED - XX/XX/XXXX
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PLOT DATE = 3/5/2024	DATE - 8/3/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
 MAIN STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2618	22-00118-00-PV	DUPAGE	76	9
CONTRACT NO. 61K33			[ ILLINOIS ] FED. AID PROJECT	

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	70% FEDERAL 30% DOWNERS GROVE
XX008824	CATCH BASINS, SPECIAL	EACH	2	2
* XX008910	PAVEMENT MARKING (SPECIAL)	SQ FT	16,385	16,385
* XX009480	PROGRAM ITS EQUIPMENT	EACH	1	1 1
Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	114	39114
Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	9	9
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
* Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1	1
+ Z0076600	TRAINEES	HOUR	500	500
+ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500
* XX009613	MAST ARM EXTENSION	EACH	2	2

+ CONSTRUCTION CODE 0042

\* SPECIALTY ITEM

HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
 FILE: I:\2022\220229\220229.dwg  
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USER NAME = jstrzal	DESIGNED - JJS	REVISED - XX/XX/XXXX
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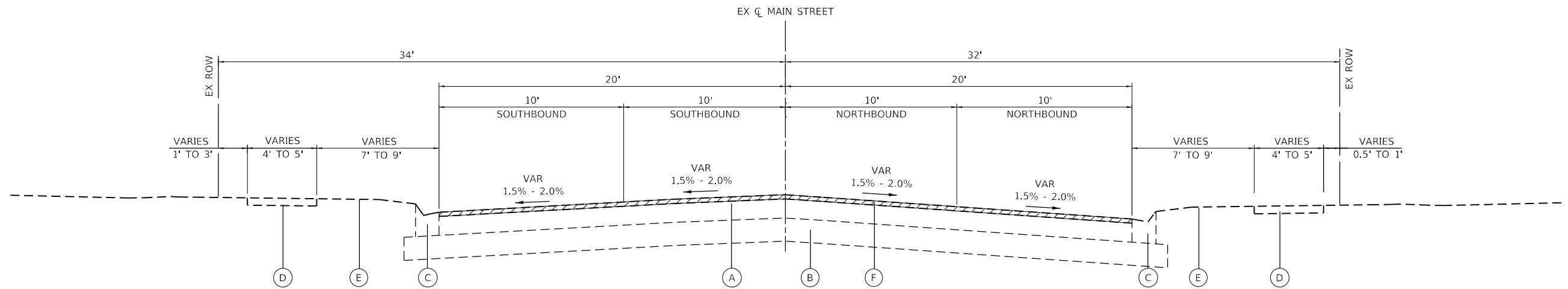
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
 MAIN STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2619	22-00118-00-PV	DUPAGE	76	10
CONTRACT NO. 61K33			[ ILLINOIS ] FED. AID PROJECT	

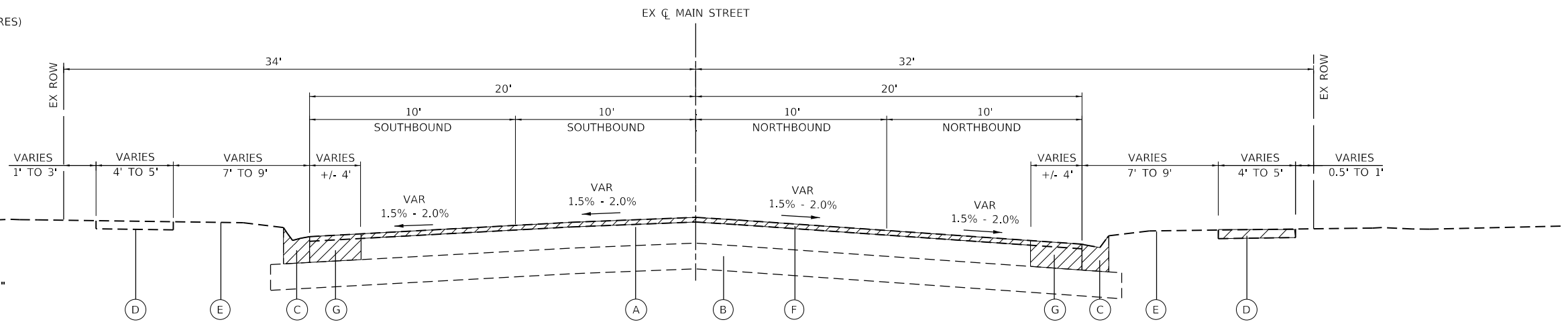




**EXISTING TYPICAL SECTION**  
MAIN STREET  
STA 12+50 TO STA 27+50

**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT (SEE PAVEMENT CORES)
- (B) EXISTING CONCRETE BASE COURSE (SEE PAVEMENT CORES)
- (C) EXISTING CONCRETE CURB & GUTTER; TYPE B6.12 (SPOT REMOVAL & REPLACEMENT AS DETERMINED BY THE ENGINEER)
- (D) EXISTING PCC SIDEWALK (SPOT REMOVAL & REPLACEMENT AS DETERMINED BY THE ENGINEER)
- (E) EXISTING GROUND
- (F) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (G) PAVEMENT REMOVAL

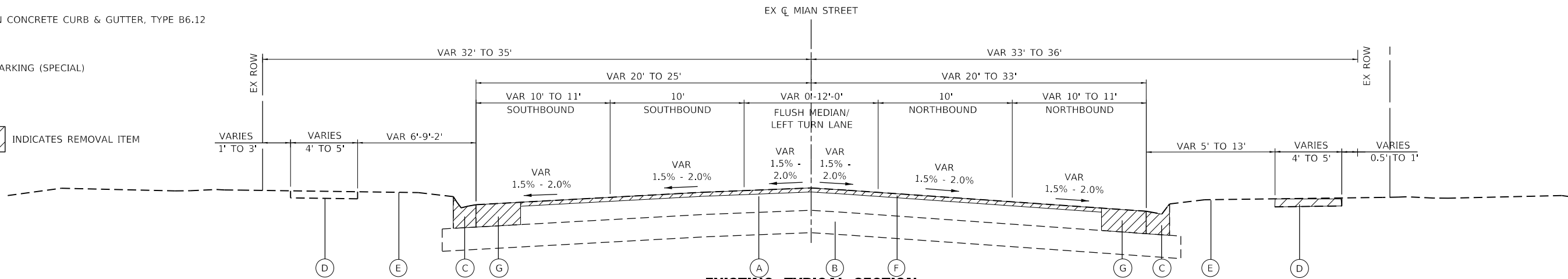


**EXISTING TYPICAL SECTION**  
MAIN STREET  
STA 27+50 TO STA 43+03

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, N70; 1 3/4"
- (2) THERMOPLASTIC PAVEMENT MARKINGS, LINE
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"
- (4) AGGREGATE BASE COURSE, TYPE B; 12"
- (5) TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B6.12
- (7) OMITTED
- (8) PAVEMENT MARKING (SPECIAL)

INDICATES REMOVAL ITEM



**EXISTING TYPICAL SECTION**  
MAIN STREET  
STA 43+03 TO STA 47+15

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 HRG PROJ CONTACT:  
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 PEN TABLE: 1/10/2024.tbl



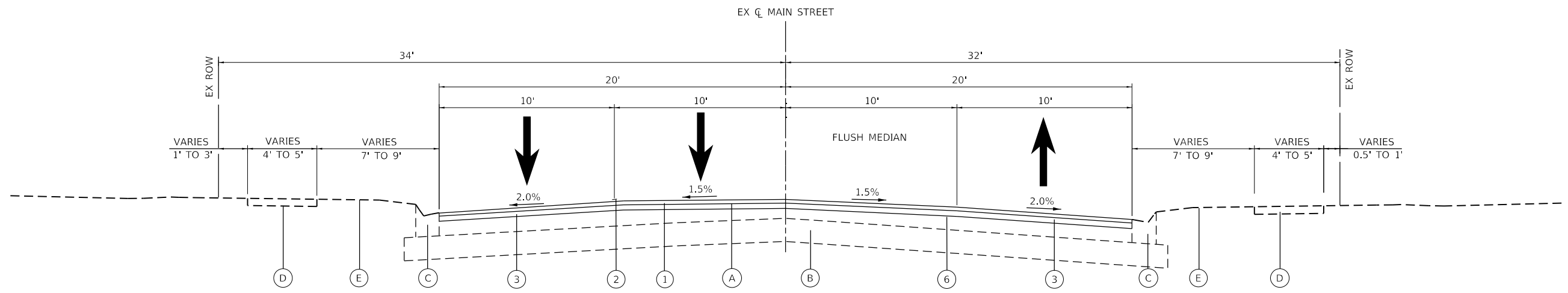
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	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET  
EXISTING TYPICAL SECTIONS**

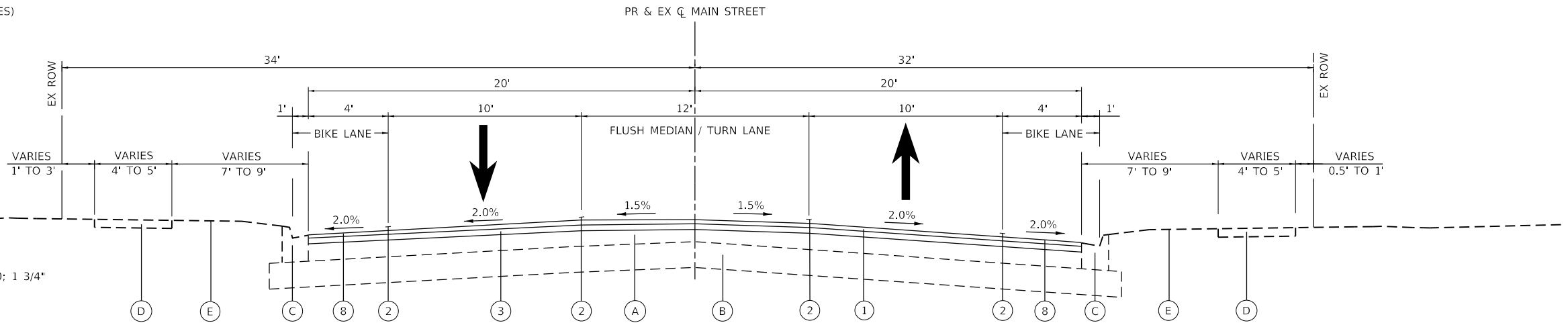
SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	11
CONTRACT NO. 61K33			ILLINOIS FED. AID PROJECT	



**PROPOSED TYPICAL SECTION**

MAIN STREET  
STA 12+50 TO 15+46



**PROPOSED TYPICAL SECTION**

MAIN STREET  
STA 15+46 TO STA 37+50

**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT (SEE PAVEMENT CORES)
- (B) EXISTING CONCRETE BASE COURSE (SEE PAVEMENT CORES)
- (C) EXISTING CONCRETE CURB & GUTTER; TYPE B6.12 (SPOT REMOVAL & REPLACEMENT AS DETERMINED BY THE ENGINEER)
- (D) EXISTING PCC SIDEWALK (SPOT REMOVAL & REPLACEMENT AS DETERMINED BY THE ENGINEER)
- (E) EXISTING GROUND
- (F) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (G) PAVEMENT REMOVAL

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N70; 1 3/4"
- (2) THERMOPLASTIC PAVEMENT MARKINGS, LINE
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"
- (4) AGGREGATE BASE COURSE, TYPE B; 12"
- (5) TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B6.12
- (7) OMITTED
- (8) PAVEMENT MARKING (SPECIAL)

INDICATES REMOVAL ITEM

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT RESURFACING: MAIN STREET		
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 1 3/4"	4.0% @ 70 GYR.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"	3.5% @ 50 GYR.	LR 1030-2
HMA DRIVEWAY PAVEMENT 3" & 8"		
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5MM); 3" (TWO LIFTS)	4.0% @ 50 GYR.	LR 1030-2
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5MM); 2" (COMMERCIAL ENTRANCE)	4.0% @ 50 GYR.	LR 1030-2
HMA BINDER, N50 (IL-19.0MM); 6" (COMMERCIAL ENTRANCE)	4.0% @ 50 GYR.	LR 1030-2
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0mm)	4.0% @ 70 GYR.	LR 1030-2
QMP DESIGNATIONS: QA/QC PER LOCAL ROADS SPECIFICATION 1030-2.		

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES 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.

LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY HMA BC IL-4.75 N50.

HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
 FILE NAME: 220229\_PV.sht - typ\_02.dgn  
 PLOT DATE: 2/19/2024  
 PEN TABLE: AutoCAD.tbl



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PLOT DATE = 2/19/2024	CHECKED - XXX	REVISED - XX/XX/XXXX
	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

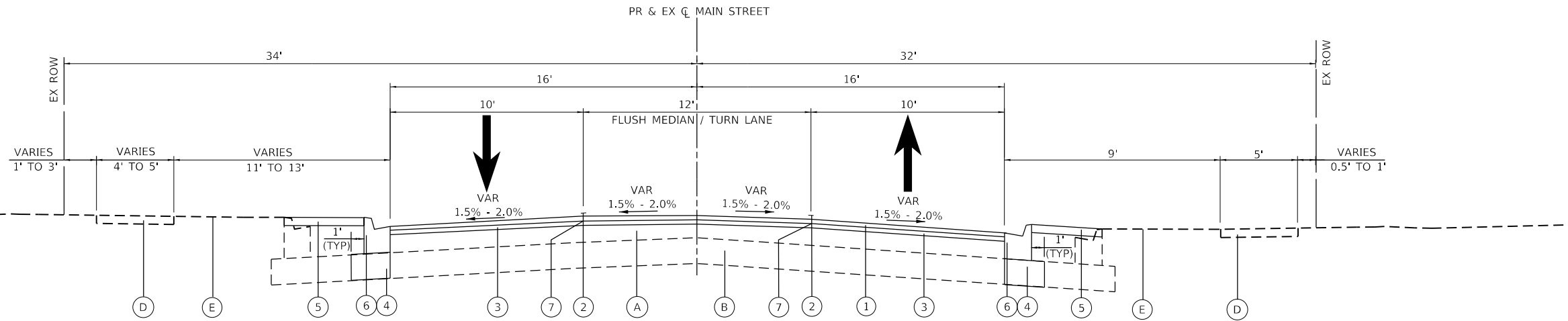
**MAIN STREET  
PROPOSED TYPICAL SECTIONS**

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	12
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				

**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT (SEE PAVEMENT CORES)
- (B) EXISTING CONCRETE BASE COURSE (SEE PAVEMENT CORES)
- (C) EXISTING CONCRETE CURB & GUTTER; TYPE B6.12 (SPOT REMOVAL & REPLACEMENT AS DETERMINED BY THE ENGINEER)
- (D) EXISTING PCC SIDEWALK (SPOT REMOVAL & REPLACEMENT AS DETERMINED BY THE ENGINEER)
- (E) EXISTING GROUND
- (F) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (G) PAVEMENT REMOVAL



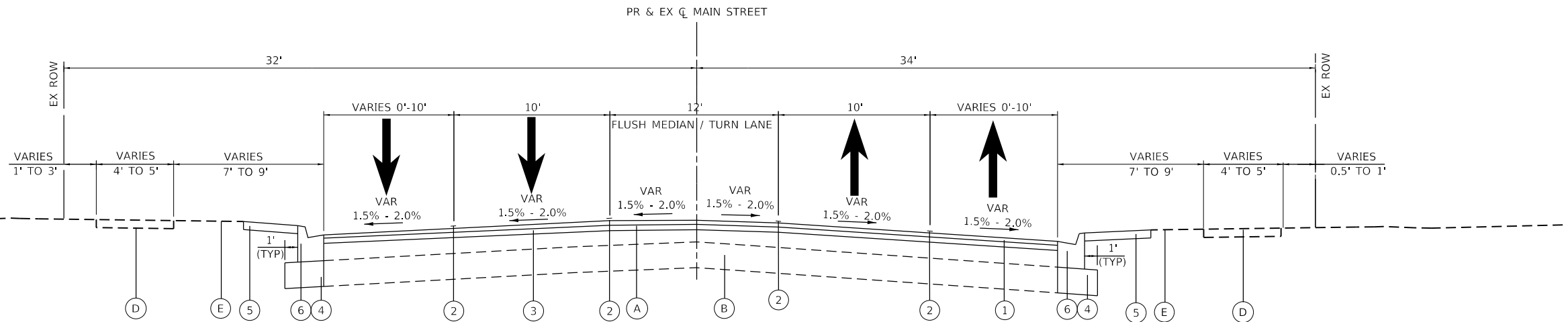
**PROPOSED TYPICAL SECTION**

MAIN STREET  
STA 37+50 TO STA 42+88

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N70; 1 3/4"
- (2) THERMOPLASTIC PAVEMENT MARKINGS, LINE
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 1"
- (4) AGGREGATE BASE COURSE, TYPE B; 12"
- (5) TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
- (6) COMBINATION CONCRETE CURB & GUTTER, TYPE B6.12
- (7) OMITTED
- (8) PAVEMENT MARKING (SPECIAL)

INDICATES REMOVAL ITEM



**PROPOSED TYPICAL SECTION**

MAIN STREET  
STA 42+88 TO STA 47+15

HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
 FILE NAME: 220229\_37-47\_PV.dwg  
 PEN TABLE: 1/10/2024



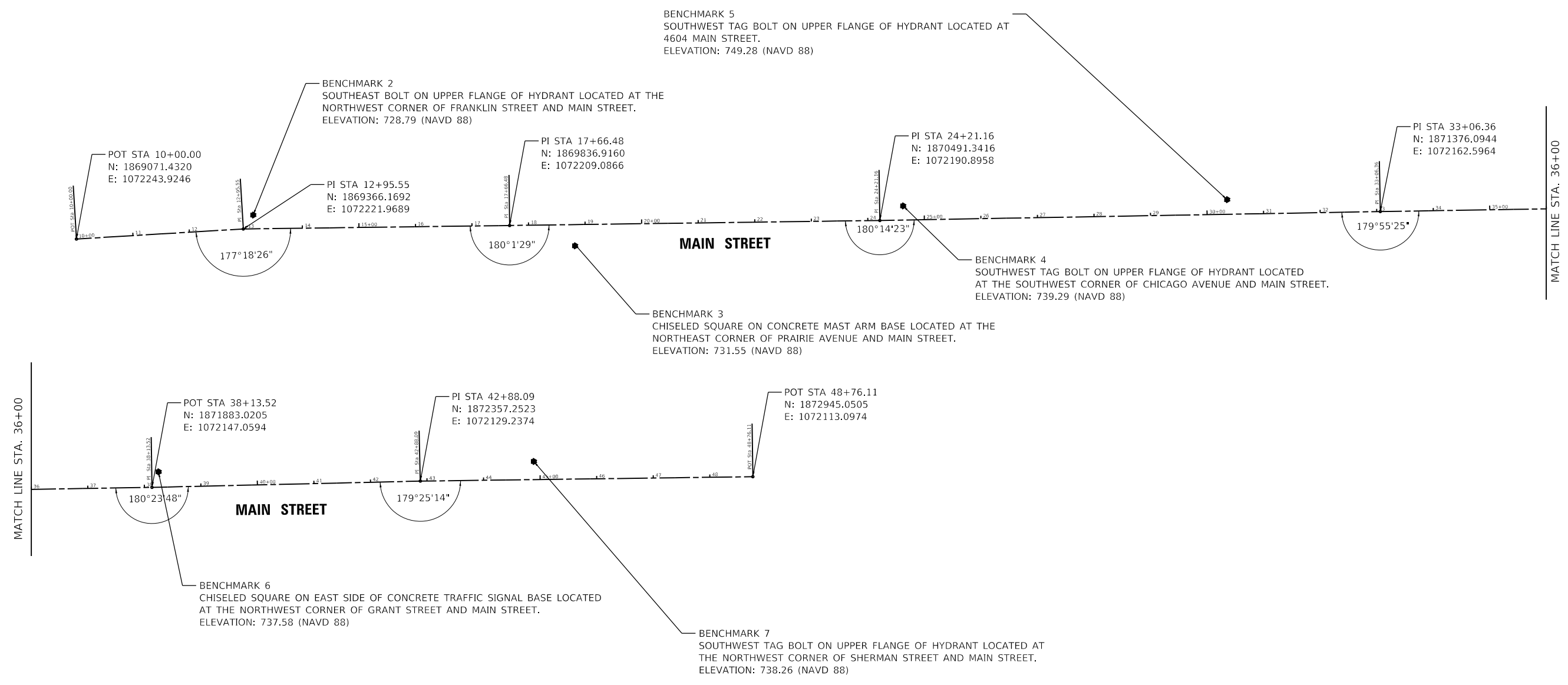
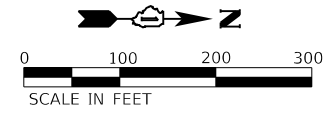
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PLOT DATE = 2/19/2024	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET  
PROPOSED TYPICAL SECTIONS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	13
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				



HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
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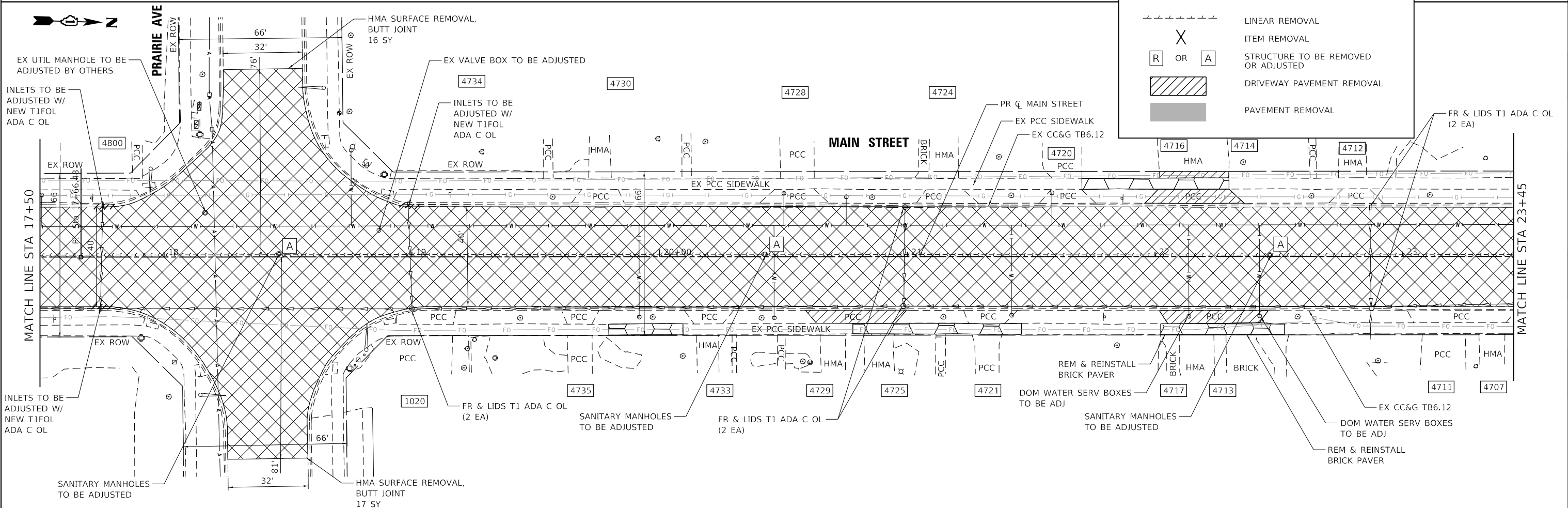
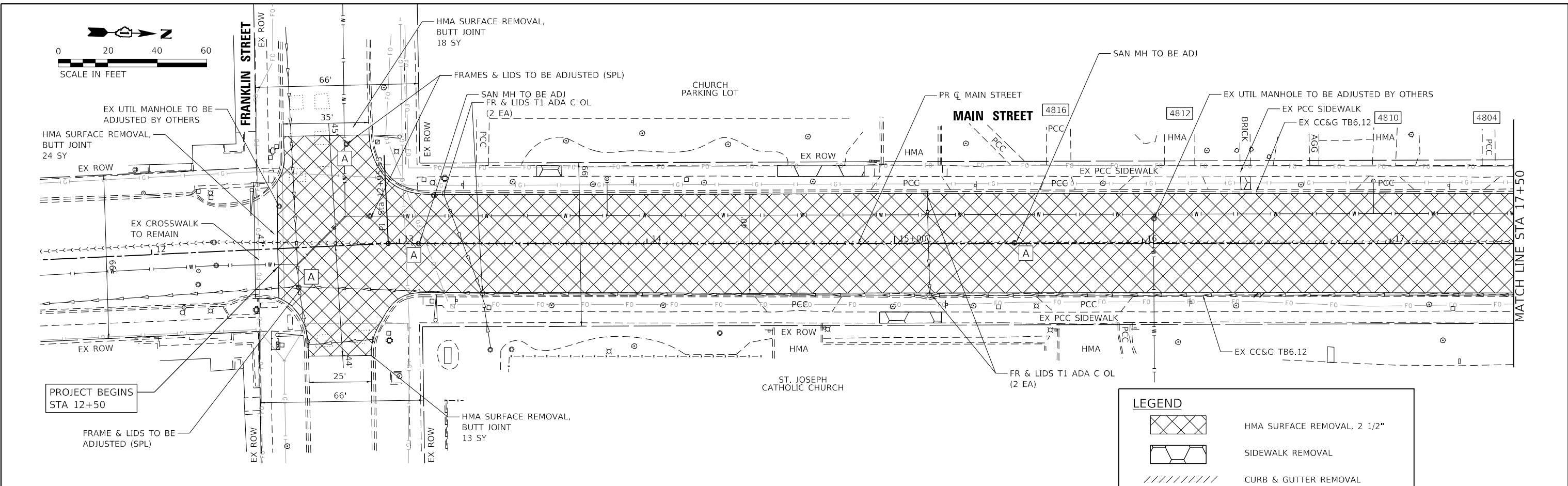
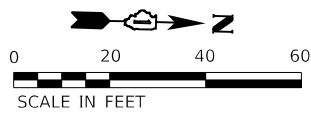
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PLOT DATE = 2/14/2024	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET  
ALIGNMENT AND BENCHMARKS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	14
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				



LEGEND	
	HMA SURFACE REMOVAL, 2 1/2"
	SIDEWALK REMOVAL
	CURB & GUTTER REMOVAL
	LINEAR REMOVAL
	ITEM REMOVAL
	STRUCTURE TO BE REMOVED OR ADJUSTED
	DRIVEWAY PAVEMENT REMOVAL
	PAVEMENT REMOVAL

HRG PROJECT NO. 220229  
 HRG PROJ CONTACT:  
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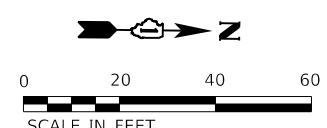
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	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=20'		SHEET 1 OF 3 SHEETS		STA. 12+34.00 TO STA. 23+45.00	
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**MAIN STREET**  
**REMOVAL PLAN**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	15
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				



SCALE IN FEET

EX UTIL MANHOLE TO BE ADJUSTED BY OTHERS

EX VALVE BOX TO BE ADJUSTED

EX ROW

HMA

PCC

EX ROW

EX ROW

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CHICAGO AVENUE

MAIN STREET

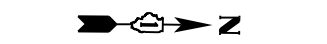
LINCOLN STREET

MAIN STREET

HIGH SCHOOL PARKING LOT

LEGEND

- HMA SURFACE REMOVAL, 2 1/2"
- SIDEWALK REMOVAL
- CURB & GUTTER REMOVAL
- LINEAR REMOVAL
- ITEM REMOVAL
- STRUCTURE TO BE REMOVED OR ADJUSTED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL



SCALE IN FEET

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SCALE IN FEET

HRG PROJECT NO. 220229  
 HRG PROJ. CONTACT:  
 FILE NAME: 220229\_01.sht - rev. 02.dgn  
 PEN TABLE: 10/10/2024.tbl

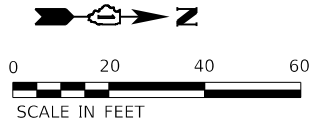


USER NAME = txu	DESIGNED - JJS	REVISED - XX/XX/XXXX
	DRAWN - TX	REVISED - XX/XX/XXXX
PLOT SCALE = 40.0000' / in.	CHECKED - XXX	REVISED - XX/XX/XXXX
PLOT DATE = 2/14/2024	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>MAIN STREET</b> <b>REMOVAL PLAN</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		2615	22-00118-00-PV	DUPAGE	76	16
SCALE: 1"=20'		SHEET 2 OF 3 SHEETS		STA. 23+45.00 TO STA. 35+35.00		CONTRACT NO. 61K33
				ILLINOIS		FED. AID PROJECT





MATCH LINE STA 35+35

MATCH LINE STA 41+30

**LEGEND**

- HMA SURFACE REMOVAL, 2 1/2"
- SIDEWALK REMOVAL
- CURB & GUTTER REMOVAL
- LINEAR REMOVAL
- ITEM REMOVAL
- STRUCTURE TO BE REMOVED OR ADJUSTED
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL



MATCH LINE STA 41+30

SHERMAN ROAD

PROJECT ENDS STA 47+15

HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
 FILE NAME: 220229\_01.sht - rem\_03.dgn  
 PEN TABLE: 1/10/2024



USER NAME = txu	DESIGNED - JJS	REVISED - XX/XX/XXXX
	DRAWN - TX	REVISED - XX/XX/XXXX
PLOT SCALE = 40.0000 ' / in.	CHECKED - XXX	REVISED - XX/XX/XXXX
PLOT DATE = 2/14/2024	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET  
REMOVAL PLAN**

SCALE: 1"=20'    SHEET 3 OF 3 SHEETS    STA. 35+35.00 TO STA. 47+40.87

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	17
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				

**55100400 STORM SEWER REMOVAL 10"**

ALIGNMENT	STA	OFF	STA	OFF	FOOT
PRCLMAIN	41+30	27.53	41+30	20.7	40.0
TOTAL :					40.0 FOOT

**55100700 STORM SEWER REMOVAL 15"**

ALIGNMENT	STA	OFF	STA	OFF	FOOT
PRCLMAIN	44+38.83	-28.0	45+22.94	26.4	82.0
TOTAL :					82.0 FOOT

**60500060 REMOVING INLETS**

ALIGNMENT	STATION	OFFSET	EACH
PRCLMAIN	38+33.31	-21.17	1.0
PRCLMAIN	39+49.70	-19.28	1.0
PRCLMAIN	41+31	-20.00	1.0
PRCLMAIN	41+30	20.20	1.0
PRCLMAIN	45+21.54	-26.22	1.0

TOTAL : 5.0 EACH

**44000600 SIDEWALK REMOVAL**

ALIGNMENT	STA FROM	OFF	STA TO	OFF	AREA (SF)
PRCLMAIN	13+56.0	-27.00	13+66.0	-27.0	45.0
PRCLMAIN	14+53.0	-27.00	14+88.0	-27.1	160.0
PRCLMAIN	14+94.0	27.70	15+18.8	27.7	111.0
PRCLMAIN	16+40.0	-21.70	16+44.0	-21.7	21.0
PRCLMAIN	19+80.0	27.20	20+10.0	27.0	135.0
PRCLMAIN	20+78.0	26.90	21+46.0	27.0	292.0
PRCLMAIN	21+71.0	-27.10	22+30.0	-27.1	262.0
PRCLMAIN	22+02.0	27.10	22+52.0	27.2	223.0
PRCLMAIN	23+61.0	26.70	23+91.0	26.8	132.0
PRCLMAIN	25+36.0	-28.00	27+21.0	-27.5	815.0
PRCLMAIN	26+58.0	27.30	27+00.0	27.2	186.0
PRCLMAIN	27+35.0	27.40	27+95.0	27.3	260.0
PRCLMAIN	27+78.0	-27.70	27+98.0	-27.4	88.0
PRCLMAIN	28+13.0	-27.50	28+23.0	-27.5	46.0
PRCLMAIN	28+28.0	-27.60	28+38.0	-27.7	46.0
PRCLMAIN	28+58.0	-21.60	28+62.0	-21.6	24.0
PRCLMAIN	28+92.0	-27.70	29+62.0	-27.4	313.0
PRCLMAIN	29+31.0	27.50	29+36.0	27.5	23.0
PRCLMAIN	29+59.0	27.50	29+94.0	27.6	162.0
PRCLMAIN	29+76.0	-27.40	29+91.0	-27.5	68.0
PRCLMAIN	30+11.0	-27.40	30+26.0	-27.4	68.0
PRCLMAIN	30+25.0	27.60	30+97.0	27.7	315.0
PRCLMAIN	30+42.0	-27.30	30+67.0	-27.6	110.0
PRCLMAIN	30+84.0	-27.60	31+24.0	-27.4	178.0
PRCLMAIN	31+99.0	27.90	32+64.0	27.9	285.0
PRCLMAIN	32+36.0	-27.30	33+21.0	-27.1	387.0
PRCLMAIN	33+24.0	28.10	33+29.0	28.1	23.0
PRCLMAIN	33+47.0	-27.00	33+62.0	-27.0	69.0
PRCLMAIN	33+62.0	28.1	33+77.0	28.0	64.0
PRCLMAIN	33+92.0	-27.0	34+32.0	-27.1	181.0
PRCLMAIN	34+11.0	28.0	34+65.0	28.2	237.0
PRCLMAIN	34+72.0	-27.1	35+32.0	-27.3	262.0
PRCLMAIN	35+12.0	28.1	35+18.0	28.1	26.0
PRCLMAIN	35+32.0	28.3	35+42.0	28.5	44.0
PRCLMAIN	35+60.0	-27.4	35+90.0	-27.3	128.0
PRCLMAIN	35+68.0	28.0	35+73.0	28.1	23.0
PRCLMAIN	36+20.0	-27.3	36+30.0	-27.3	46.0
PRCLMAIN	36+25.0	28.0	36+30.0	28.1	23.0
PRCLMAIN	36+45.0	28.2	36+60.0	28.2	70.0
PRCLMAIN	36+50.0	21.4	36+54.0	21.4	34.0
PRCLMAIN	36+86.0	28.2	37+11.0	28.2	115.0
PRCLMAIN	37+27.0	-21.5	38+65.0	-21.3	1400.0
PRCLMAIN	37+50.0	28.1	37+74.0	33.0	186.0
PRCLMAIN	38+10.0	33.80	39+41.0	28.4	855.0
PRCLMAIN	39+52.0	-27.10	39+58.0	-27.5	21.0
PRCLMAIN	40+00.0	-27.00	40+04.0	-27.1	23.0
PRCLMAIN	40+05.0	28.80	40+60.0	28.8	255.0
PRCLMAIN	41+34.0	-25.80	41+40.0	-25.9	25.0
PRCLMAIN	44+10.0	29.10	44+38.0	36.4	208.0
PRCLMAIN	44+75.0	36.90	46+44.0	33.3	821.0
PRCLMAIN	44+37.0	-26.00	46+38.0	-27.3	962.0

AS DIRECTED BY THE ENGINEER  
TOTAL : 11,106.0 SF

**44000200 DRIVEWAY PAVEMENT REMOVAL**

ALIGN	STA	OFF	AREA (SF)	AREA (SY)
PRCLMAIN	20+78.0	26.9	192.0	22.0
PRCLMAIN	20+89.0	31.7	7.0	1.0
PRCLMAIN	22+16.0	-34.4	75.0	9.0
PRCLMAIN	22+16.0	-27.1	195.0	22.0
PRCLMAIN	22+17.0	31.6	3.0	1.0
PRCLMAIN	22+24.0	27.0	210.0	24.0
PRCLMAIN	23+83.0	26.7	50.0	6.0
PRCLMAIN	23+83.0	31.5	4.0	1.0
PRCLMAIN	26+26.0	-33.7	15.0	2.0
PRCLMAIN	26+26.5	-27.6	96.0	11.0
PRCLMAIN	26+76.0	-33.6	11.0	2.0
PRCLMAIN	26+77.0	-27.6	97.0	11.0
PRCLMAIN	26+91.0	27.2	105.0	12.0
PRCLMAIN	26+91.0	32.8	9.0	1.0
PRCLMAIN	27+90.0	27.2	155.0	18.0
PRCLMAIN	27+87.0	32.7	25.0	3.0
PRCLMAIN	27+76.0	-33.4	15.0	2.0
PRCLMAIN	27+77.0	-27.7	98.0	11.0
PRCLMAIN	28+28.0	-33.3	12.0	2.0
PRCLMAIN	28+33.0	-27.6	138.0	16.0
PRCLMAIN	29+27.0	-33.0	12.0	2.0
PRCLMAIN	29+28.0	-27.5	83.0	10.0
PRCLMAIN	29+33.0	27.5	180.0	20.0
PRCLMAIN	29+37.0	33.2	15.0	2.0
PRCLMAIN	29+82.0	-32.9	14.0	2.0
PRCLMAIN	29+83.0	-27.5	120.0	14.0
PRCLMAIN	30+25.0	33.2	10.0	2.0
PRCLMAIN	30+25.0	27.6	100.0	12.0
PRCLMAIN	32+59.0	27.9	100.0	12.0
PRCLMAIN	32+59.0	33.7	12.0	2.0
PRCLMAIN	32+55.0	-32.3	5.0	1.0
PRCLMAIN	32+55.0	-27.1	82.0	10.0
PRCLMAIN	33+32.0	-27.0	81.0	9.0
PRCLMAIN	34+46.0	28.0	115.0	13.0
PRCLMAIN	34+46.0	33.5	10.0	2.0

TOTAL : 290.0 SQ YD

**X4400501 COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET**

ALIGNMENT	STATION	OFFSET	TO STA	OFFSET	LENGTH (FT)
PRMAIN	16+46.0	21.0	16+51.0	21.0	5.0
PRMAIN	17+69.0	20.1	17+74.3	20.0	5.0
PRMAIN	17+74.3	20.0	17+80.0	20.0	5.0
PRMAIN	17+70.0	-20.1	17+75.0	-20.2	5.0
PRMAIN	17+75.0	-20.2	17+81.5	-20.5	5.0
PRMAIN	18+94.0	-21.1	18+99.0	-20.4	5.0
PRMAIN	18+99.0	-20.4	19+04.0	-20.4	5.0

TOTAL : 35.0 FT

**X4400503 COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET**

ALIGNMENT	STATION	OFFSET	TO STA	OFFSET	LENGTH (FT)
PRMAIN	32+96.0	-21.0	3329.0	-32.1	37.0
PRMAIN	33+11.0	-20.5	3335.0	-20.5	25.0
PRMAIN	33+35.0	-20.5	3342.0	-32.3	14.0
PRMAIN	33+35.0	-20.5	3351.0	-20.5	16.0
PRMAIN	37+13.0	-21.0	3748.0	-21.0	36.0
PRMAIN	37+26.0	21.0	3779.0	46.0	67.0

TOTAL : 195.0 FT

**X0327611 REMOVE AND REINSTALL BRICK PAVER**

ALIGN	STA	OFF	AREA (SF)
PRMAIN	22+06.0	31.6	2.0
PRMAIN	22+35.0	31.6	3.0
PRMAIN	26+53.0	-33.6	5.0
PRMAIN	27+60.0	32.6	4.0
PRMAIN	31+05.0	-32.7	3.0

TOTAL : 17.0 SF

HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
 FILE NAME: 220229.sht - removal schedules.dgn  
 PLOT DATE: 2/14/2024  
 PEN TABLE: p10.tbl



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PLOT DATE = 2/14/2024	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAIN STREET REMOVAL SCHEDULES</b>	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	18
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				

**60255500 MANHOLES TO BE ADJUSTED**

ALIGNMENT	STA	OFFSET	EACH
PRMAIN	37+48.00	19.90	1.0
PRMAIN	38+08.23	31.36	1.0
PRMAIN	39+39.00	29.10	1.0
PRMAIN	39+45.00	-23.00	1.0
PRMAIN	40+92.00	-26.20	1.0
PRMAIN	44+39.00	-27.90	1.0
PRMAIN	44+97.70	27.30	1.0

TOTAL : 7.0 EACH

**60260100 INLET TO BE ADJUSTED**

ALIGNMENT	STA	OFFSET	EACH
PRMAIN	37+48.55	-21.12	1.0
PRMAIN	44+42.95	45.69	1.0
PRMAIN	44+70.88	45.56	1.0

TOTAL : 3.0 EACH

**60260300 INLET TO BE ADJUSTED WITH NEW T1FOL**

ALIGNMENT	STA	OFF	EACH
PRMAIN	17+75.0	-20.9	1.0
PRMAIN	17+74.3	20.9	1.0
PRMAIN	18+89.0	-21.2	1.0

TOTAL : 3.0 EACH

**X6026050 SANITARY MANHOLES TO BE ADJUSTED**

ALIGNMENT	STA	OFFSET	EACH
PRMAIN	13+08.48	-0.69	1.0
PRMAIN	15+47.86	-1.14	1.0
PRMAIN	18+46.44	-2.20	1.0
PRMAIN	20+42.95	-1.45	1.0
PRMAIN	22+46.15	-1.20	1.0
PRMAIN	24+45.56	-1.30	1.0
PRMAIN	27+45.48	-1.40	1.0
PRMAIN	30+45.57	-0.78	1.0
PRMAIN	31+45.37	18.45	1.0
PRMAIN	32+95.41	1.57	1.0
PRMAIN	35+84.97	1.01	1.0
PRMAIN	36+23.77	0.59	1.0
PRMAIN	37+91.10	1.45	1.0
PRMAIN	40+91.63	3.27	1.0
PRMAIN	43+91.48	1.62	1.0
PRMAIN	46+95.02	2.58	1.0

TOTAL : 16.0 EACH

**X6030310 FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)**

ALIGNMENT	STA	OFFSET	EACH
PRMAIN	12+52.65	-17.00	1.0
PRMAIN	12+58.90	15.07	1.0
PRMAIN	12+80.60	-40.90	1.0
PRMAIN	24+62.14	15.92	1.0
PRMAIN	24+82.70	15.26	1.0
PRMAIN	25+33.30	-11.90	1.0
PRMAIN	31+45.37	18.45	1.0
PRMAIN	38+09.65	1.52	1.0
PRMAIN	47+09.00	-18.10	1.0

TOTAL : 9.0 EACH

**60261000 INLET TO BE ADJUSTED WITH NEW TYPE 8 GRATE**

ALIGNMENT	STA	OFF	EACH
PRMAIN	39+44.0	20.8	1.0

TOTAL : 1.0 EACH

HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
 FILE NAME: 220229.sht - removal schedules.dgn  
 PLOT DATE: 2/14/2024  
 PEN TABLE: plotTable.tbl



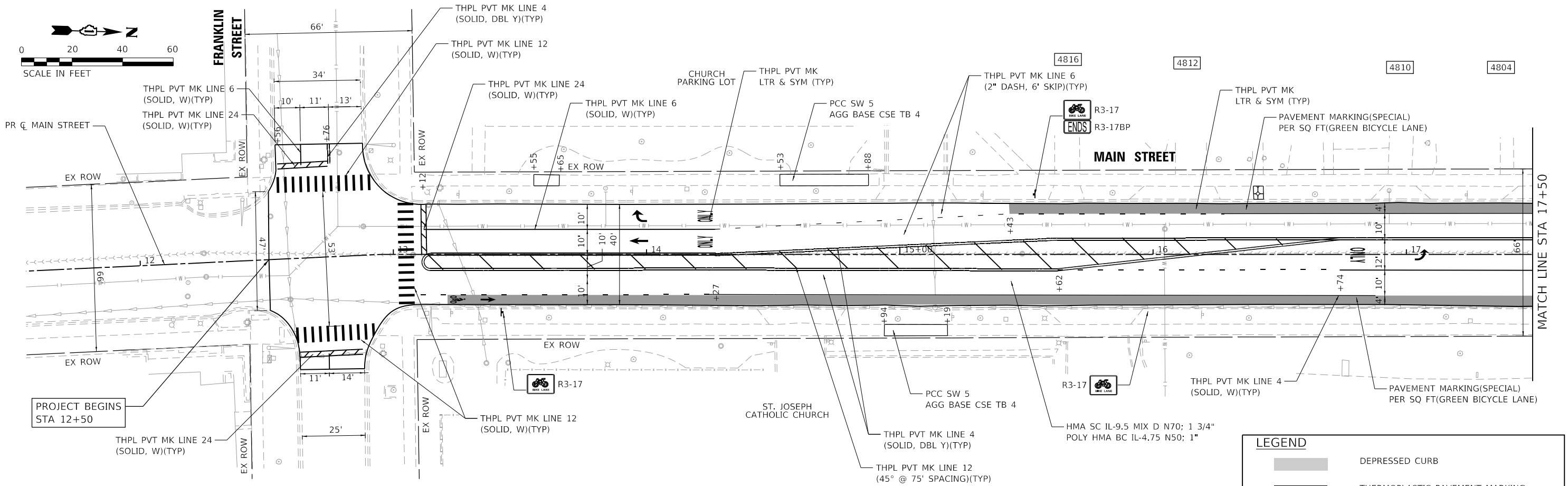
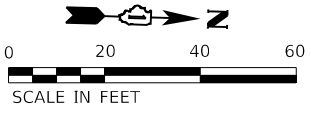
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

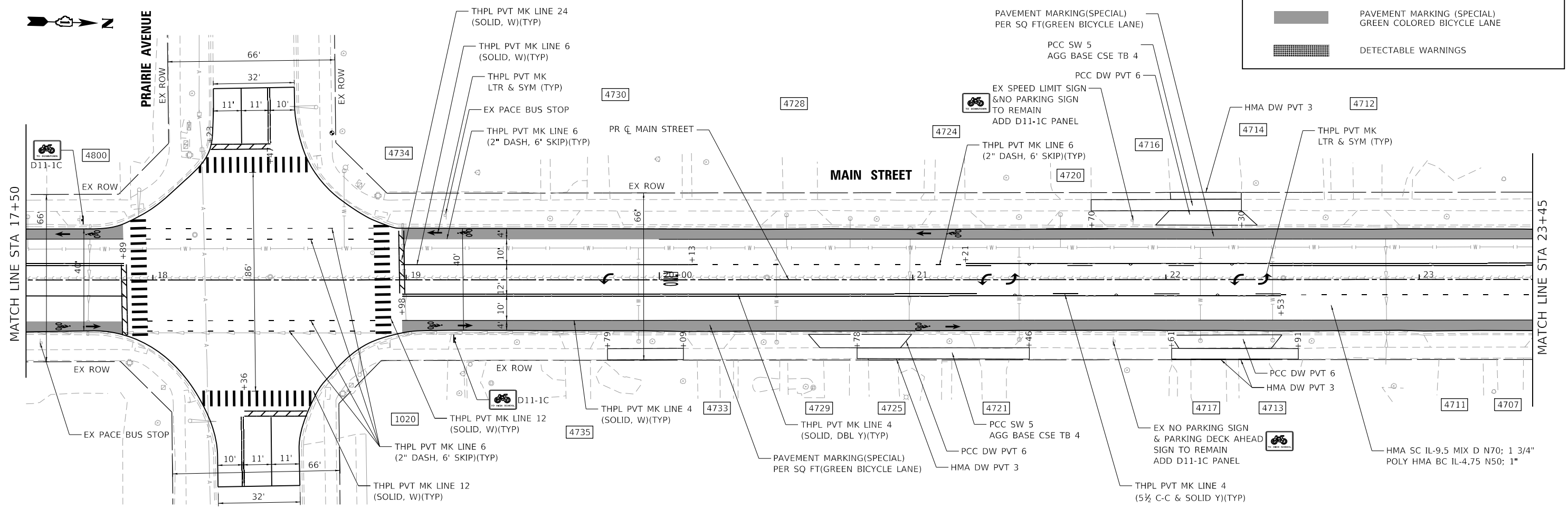
**MAIN STREET  
 REMOVAL SCHEDULES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2616	22-00118-00-PV	DUPAGE	76	19
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				



LEGEND	
	DEPRESSED CURB
	THERMOPLASTIC PAVEMENT MARKING
	PAVEMENT MARKING (SPECIAL) GREEN COLORED BICYCLE LANE
	DETECTABLE WARNINGS



HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
 FILE NAME: 220229\_sht\_resurf\_pln.dwg  
 PEN TABLE: 1/10/2024

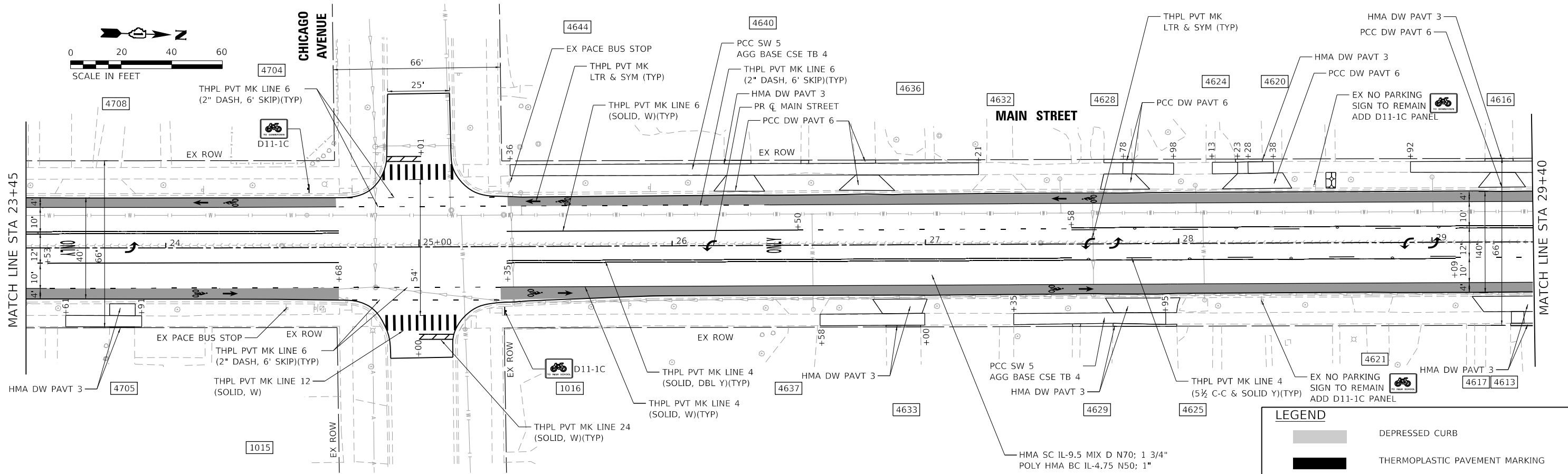
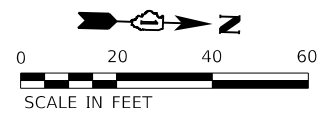


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PLOT DATE = 2/14/2024	CHECKED - XXX	REVISED - XX/XX/XXXX
	DATE - 7/31/2023	REVISED - XX/XX/XXXX

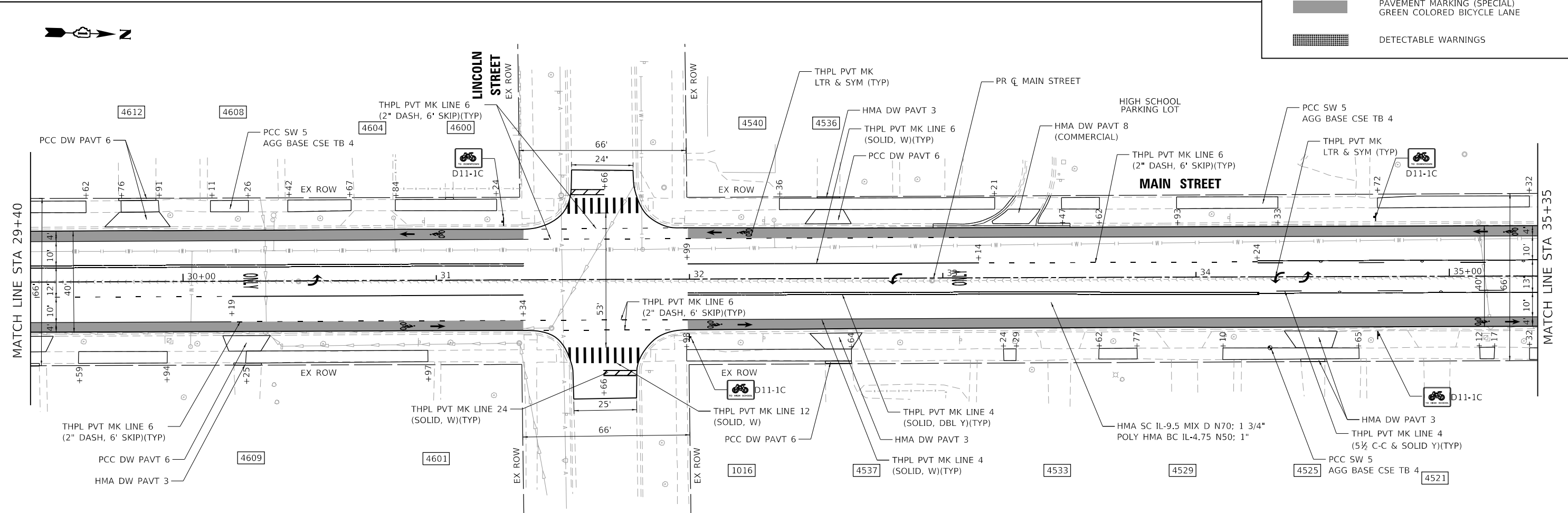
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAIN STREET RESURFACING PLAN</b>	
SCALE: 1"=20'	SHEET 1 OF 2 SHEETS
STA. 12+34.00 TO STA. 23+45.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	20
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				



LEGEND	
	DEPRESSED CURB
	THERMOPLASTIC PAVEMENT MARKING
	PAVEMENT MARKING (SPECIAL) GREEN COLORED BICYCLE LANE
	DETECTABLE WARNINGS



HRG PROJECT NO: 2202291  
 HRG PROJ CONTACT:  
 FILE NAME: 2202291\_sht\_2\_resurf\_pln\_02.dgn  
 PEN TABLE: 10/10/2021.tbl



USER NAME = txu	DESIGNED - JJS	REVISED - XX/XX/XXXX
PLOT SCALE = 40.0000' / in.	DRAWN - TX	REVISED - XX/XX/XXXX
PLOT DATE = 2/14/2024	CHECKED - XXX	REVISED - XX/XX/XXXX
	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

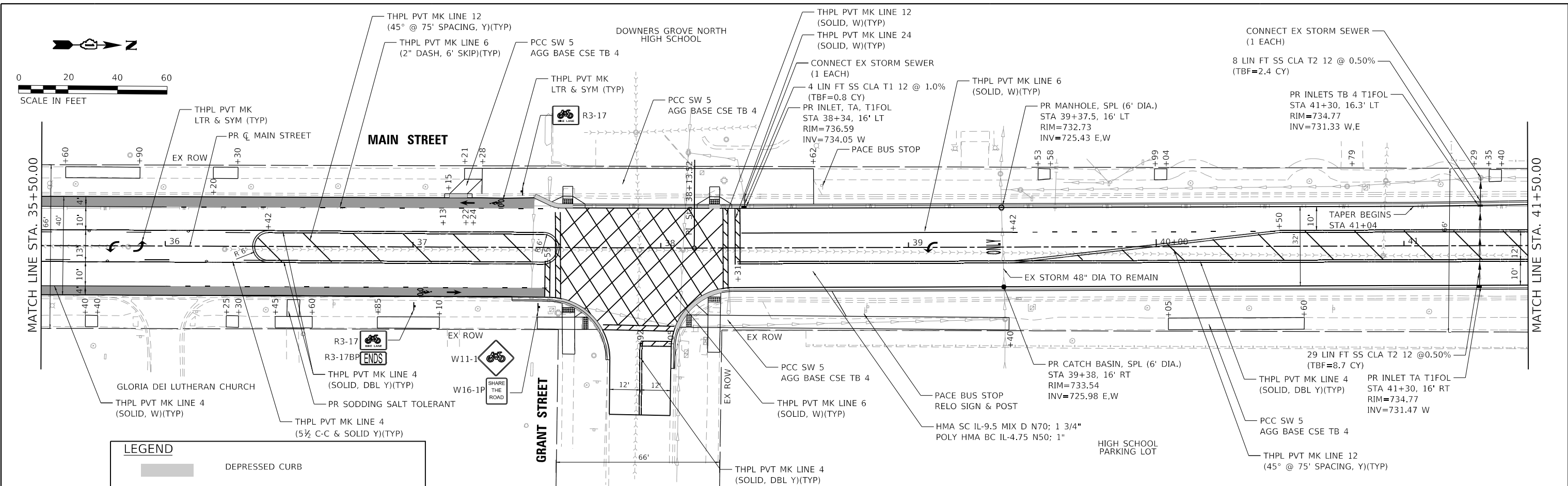
<b>MAIN STREET RESURFACING PLAN</b>		
SCALE: 1"=20'	SHEET 2 OF 2 SHEETS	STA. 23+45.00 TO STA. 35+35.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	21
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				

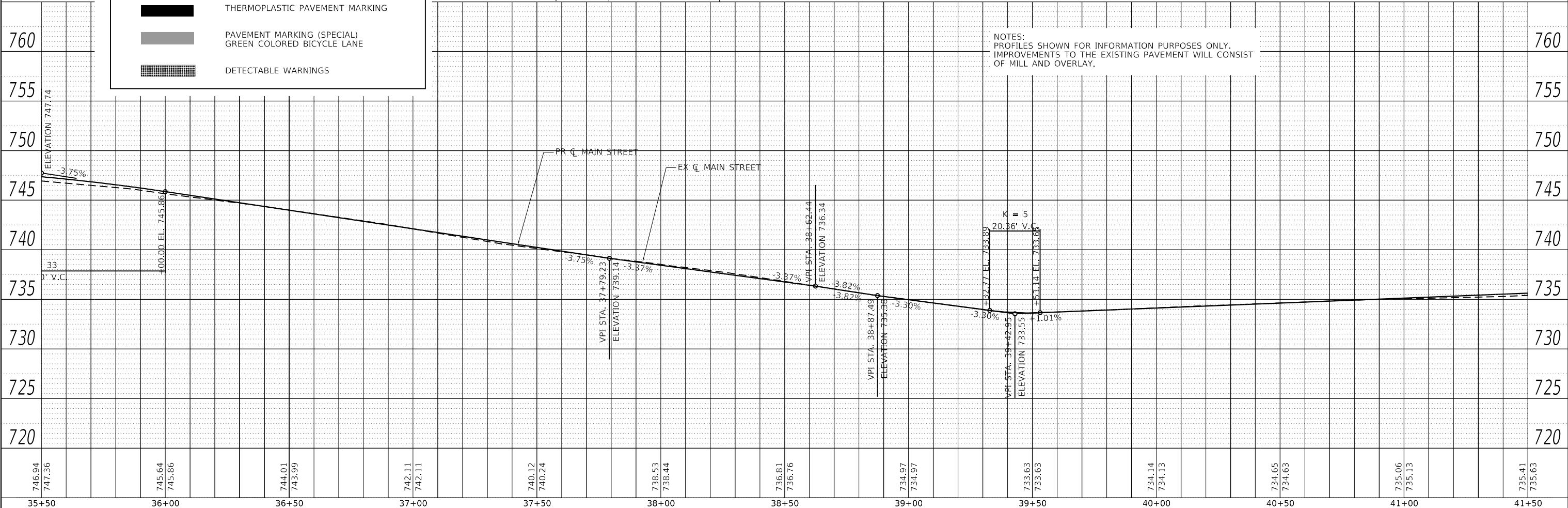
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	PLOTTED		
	ALIGNED		
	CHECKED		
	DESIGNED		
	FILED		
	NO. _____		
	DATE _____		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NO. _____		
	DATE _____		

HRG PROJECT NO.: 220229  
 HRG PROJ. CONTACT:  
 FILE NAME: 220229\_01\_Plan\_PV.dgn  
 PEN TABLE: p:\table.tbl



LEGEND	
	DEPRESSED CURB
	THERMOPLASTIC PAVEMENT MARKING
	PAVEMENT MARKING (SPECIAL) GREEN COLORED BICYCLE LANE
	DETECTABLE WARNINGS



NOTES:  
 PROFILES SHOWN FOR INFORMATION PURPOSES ONLY.  
 IMPROVEMENTS TO THE EXISTING PAVEMENT WILL CONSIST  
 OF MILL AND OVERLAY.

746.94 747.36	745.64 745.86	744.01 743.99	742.11 742.11	740.12 740.24	738.53 738.44	736.81 736.76	734.97 734.97	733.63 733.63	734.14 734.13	734.65 734.63	735.06 735.13	735.41 735.63
35+50	36+00	36+50	37+00	37+50	38+00	38+50	39+00	39+50	40+00	40+50	41+00	41+50

**HRGreen**  
 HRGreen.com  
 Illinois Professional Design Firm  
 #184-001322

USER NAME = jstrzal	DESIGNED - JJS	REVISED - XX/XX/XXXX
PLOT SCALE = 40.0000' / in.	DRAWN - TX	REVISED - XX/XX/XXXX
PLOT DATE = 2/19/2024	CHECKED - XXX	REVISED - XX/XX/XXXX
	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>MAIN STREET</b>	
<b>PLAN AND PROFILE</b>	
SCALE: 1"=20'	SHEET 1 OF 2 SHEETS
STA. _____	TO STA. _____

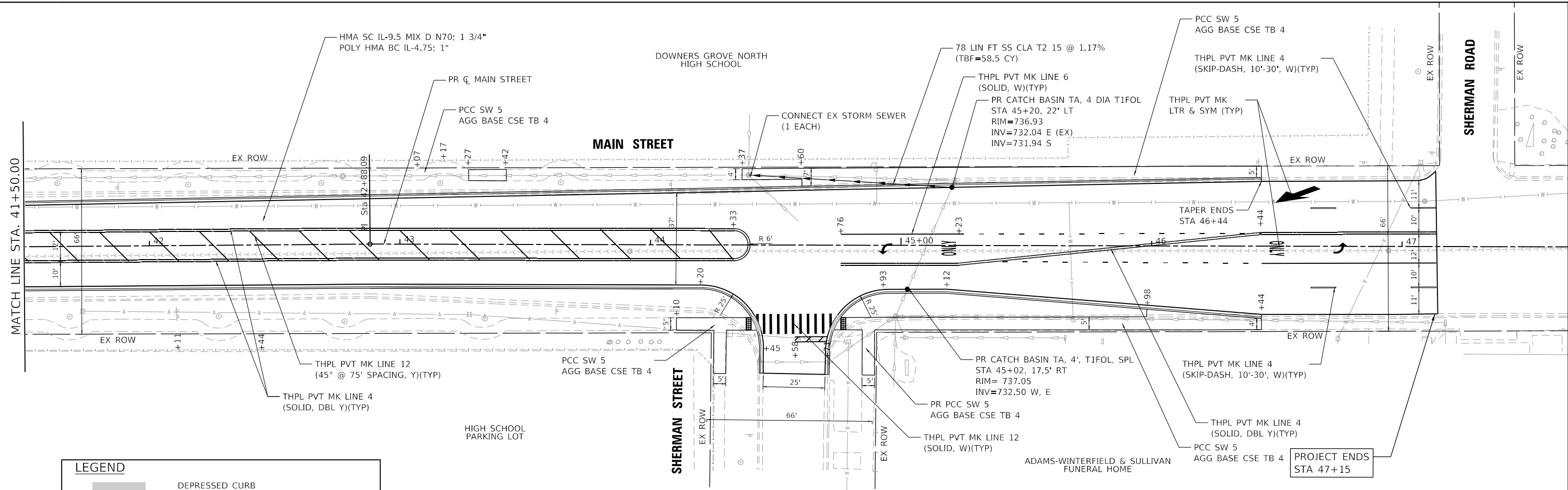
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	22
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				



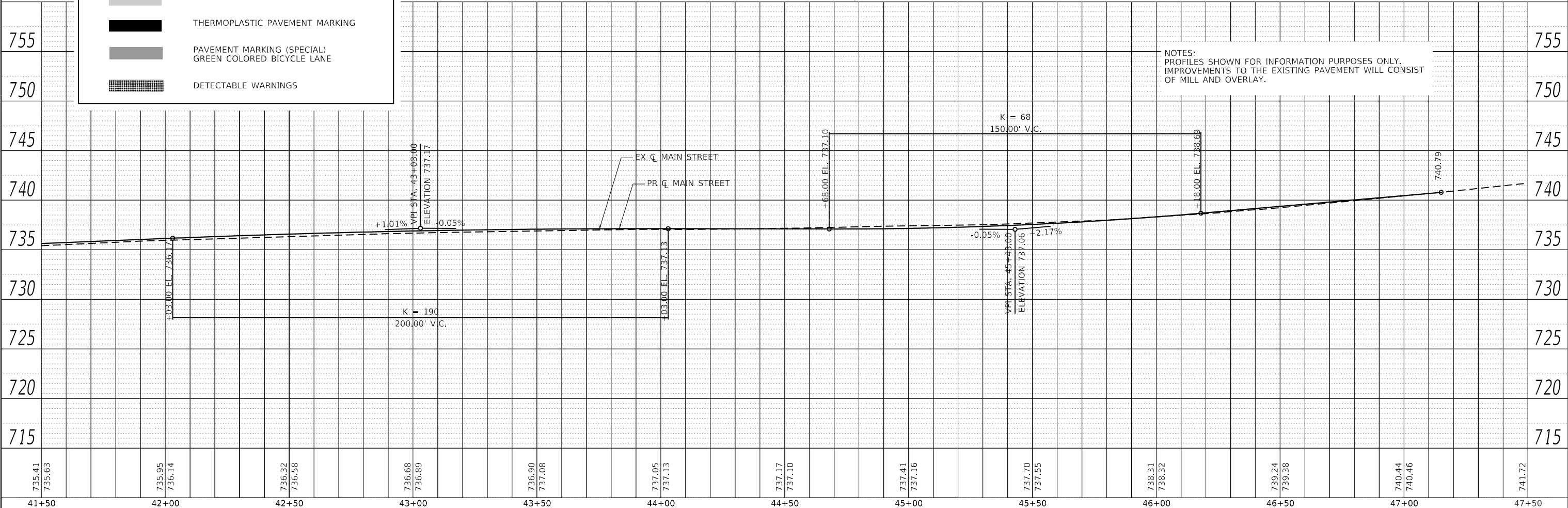
PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	NO. _____	
	FILE NAME	
	TABLE	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	NO. _____	
	FILE NAME	
	TABLE	

HRG PROJECT NO. 2202291  
 HRG PROJ. CONTACT:  
 FILE NAME: 2202291\_sht\_p1prcf\_02.dgn  
 PEN: TABLE: p1prcf.tbl



LEGEND	
	DEPRESSED CURB
	THERMOPLASTIC PAVEMENT MARKING
	PAVEMENT MARKING (SPECIAL) GREEN COLORED BICYCLE LANE
	DETECTABLE WARNINGS



NOTES:  
 PROFILES SHOWN FOR INFORMATION PURPOSES ONLY.  
 IMPROVEMENTS TO THE EXISTING PAVEMENT WILL CONSIST OF MILL AND OVERLAY.

735.41	735.63	735.95	736.14	736.32	736.58	736.68	736.89	736.90	737.08	737.05	737.13	737.17	737.10	737.41	737.16	737.70	737.55	738.31	738.32	739.24	739.38	740.44	740.46	741.72
41+50	42+00	42+50	43+00	43+50	44+00	44+50	45+00	45+50	46+00	46+50	47+00	47+50												

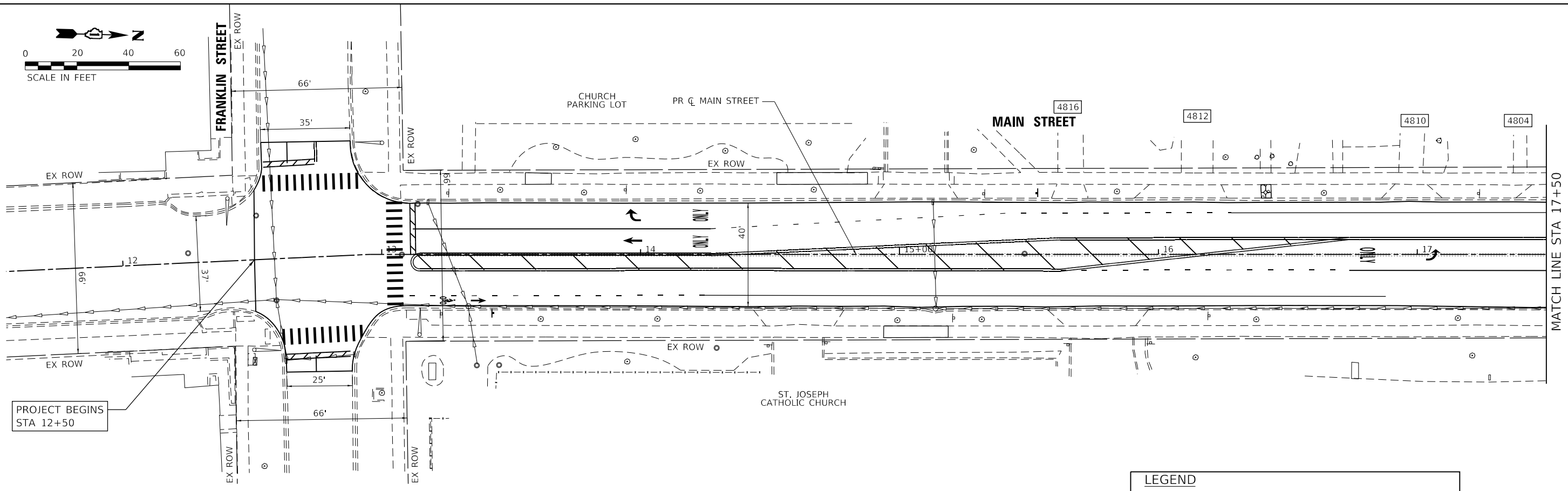
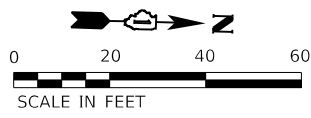
**HRGreen**  
 HRGreen.com  
 Micro Professional Design Firm  
 #184-001322

USER NAME = jstrzal	DESIGNED - JJS	REVISED - XX/XX/XXXX
	DRAWN - TX	REVISED - XX/XX/XXXX
PLOT SCALE = 40.0000' / in.	CHECKED - XXX	REVISED - XX/XX/XXXX
PLOT DATE = 2/19/2024	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

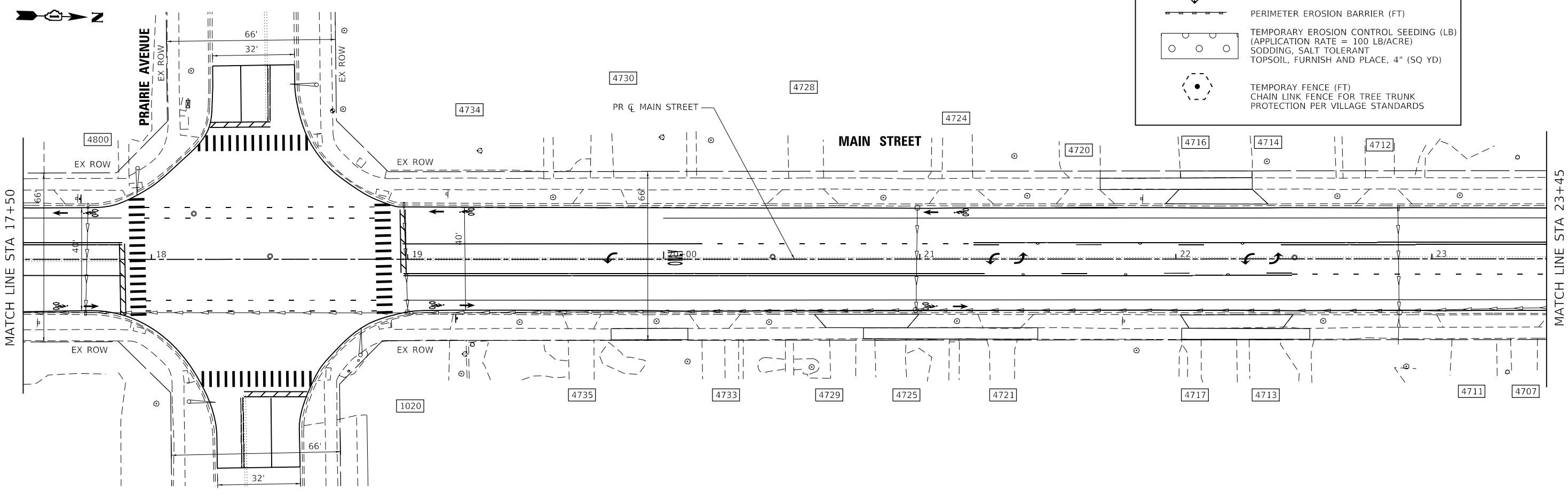
<b>MAIN STREET</b>	
<b>PLAN AND PROFILE</b>	
SCALE: 1"=20'	SHEET 2 OF 2 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	23
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- INLET FILTERS (EA)
- PERIMETER EROSION BARRIER (FT)
- TEMPORARY EROSION CONTROL SEEDING (LB)  
(APPLICATION RATE = 100 LB/ACRE)  
SODDING, SALT TOLERANT  
TOPSOIL, FURNISH AND PLACE, 4" (SQ YD)
- TEMPORARY FENCE (FT)  
CHAIN LINK FENCE FOR TREE TRUNK  
PROTECTION PER VILLAGE STANDARDS



HRG PROJECT NO: 2202291  
 HRG PROJ CONTACT:  
 FILE NAME: 2202291\_SHT-6\_PV.dwg  
 PEN TABLE: 1/10/2024

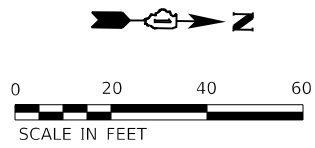


USER NAME = txu	DESIGNED - JJS	REVISED - XX/XX/XXXX
PLOT SCALE = 40.0000' / in.	DRAWN - TX	REVISED - XX/XX/XXXX
PLOT DATE = 2/14/2024	CHECKED - XXX	REVISED - XX/XX/XXXX
	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

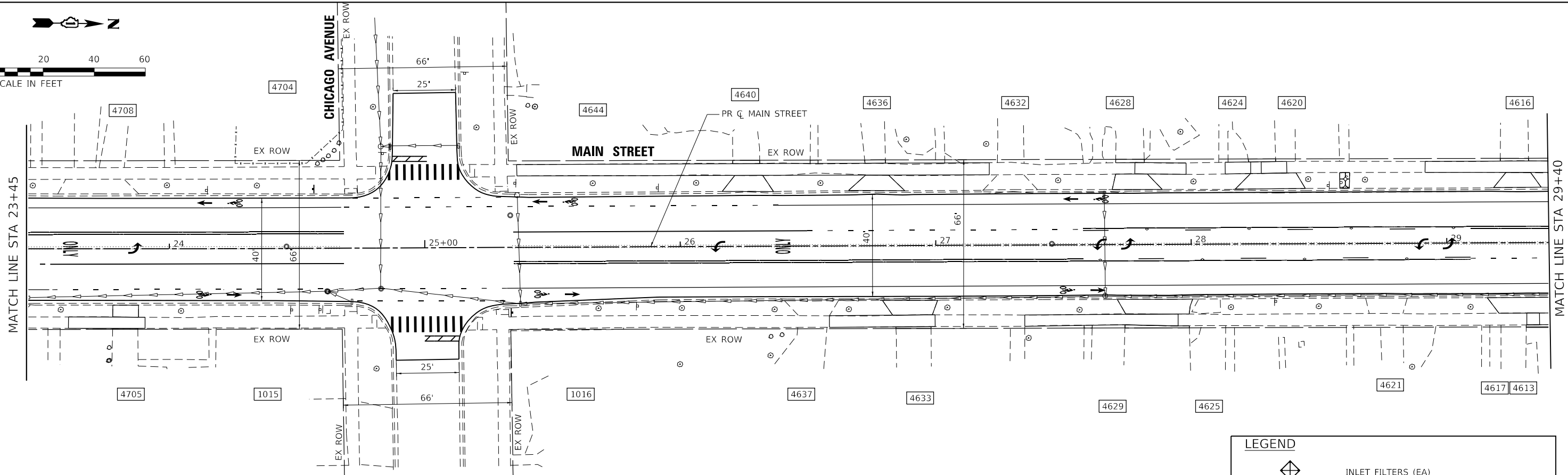
<b>MAIN STREET EROSION CONTROL PLAN</b>	
SCALE: 1"=20'	SHEET 1 OF 3 SHEETS
STA. 12+34.00 TO STA. 23+45.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	24
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 23+45

MATCH LINE STA 29+40



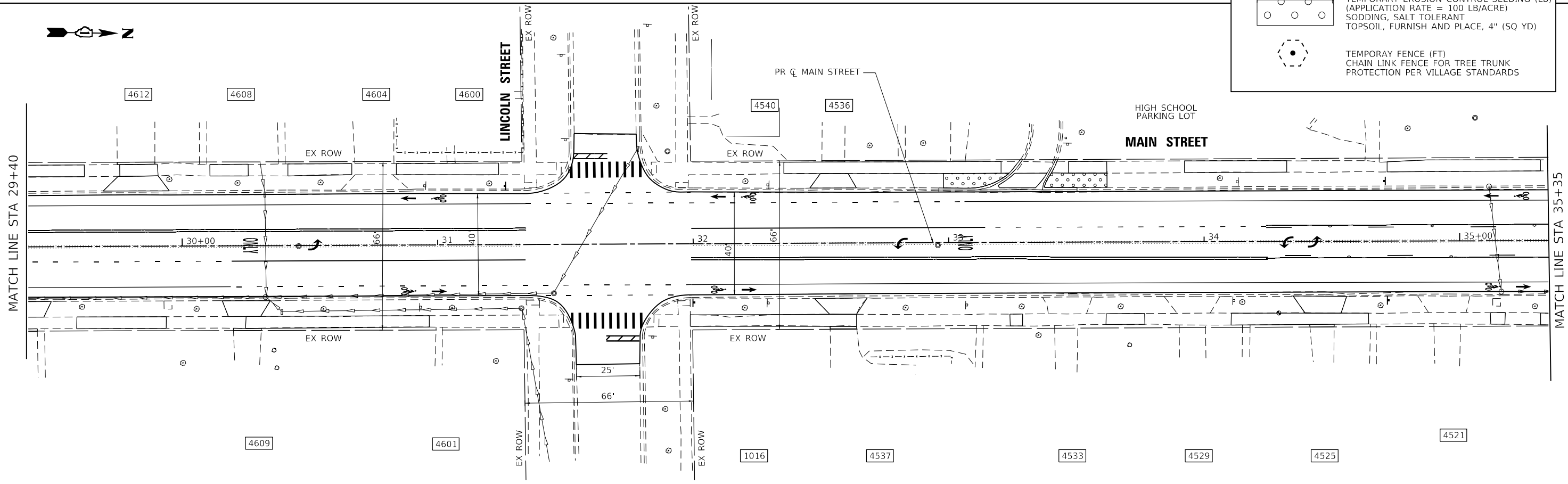
**LEGEND**

- INLET FILTERS (EA)
- PERIMETER EROSION BARRIER (FT)
- TEMPORARY EROSION CONTROL SEEDING (LB)  
(APPLICATION RATE = 100 LB/ACRE)  
SODDING, SALT TOLERANT  
TOPSOIL, FURNISH AND PLACE, 4" (SQ YD)
- TEMPORARY FENCE (FT)  
CHAIN LINK FENCE FOR TREE TRUNK  
PROTECTION PER VILLAGE STANDARDS



MATCH LINE STA 29+40

MATCH LINE STA 35+35



HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
 FILE NAME: 220229\_23+45\_29+40.dgn  
 PEN TABLE: 1/10/2024



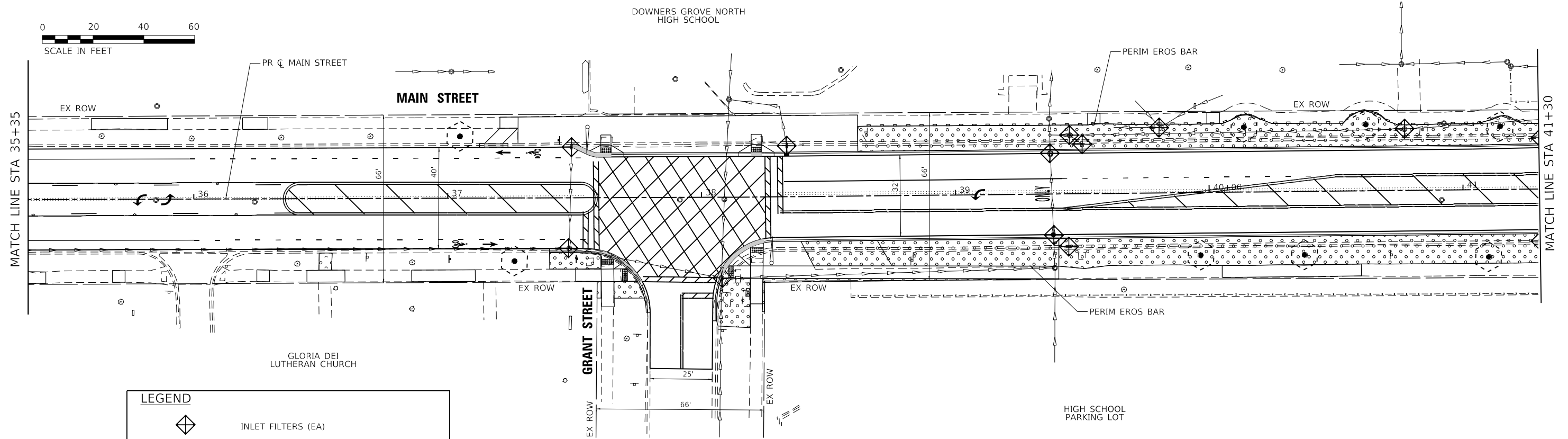
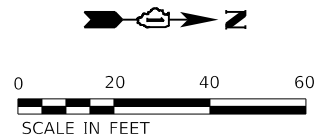
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PLOT SCALE = 40,0000' / in.	DRAWN - TX	REVISED - XX/XX/XXXX
PLOT DATE = 2/14/2024	CHECKED - XXX	REVISED - XX/XX/XXXX
	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

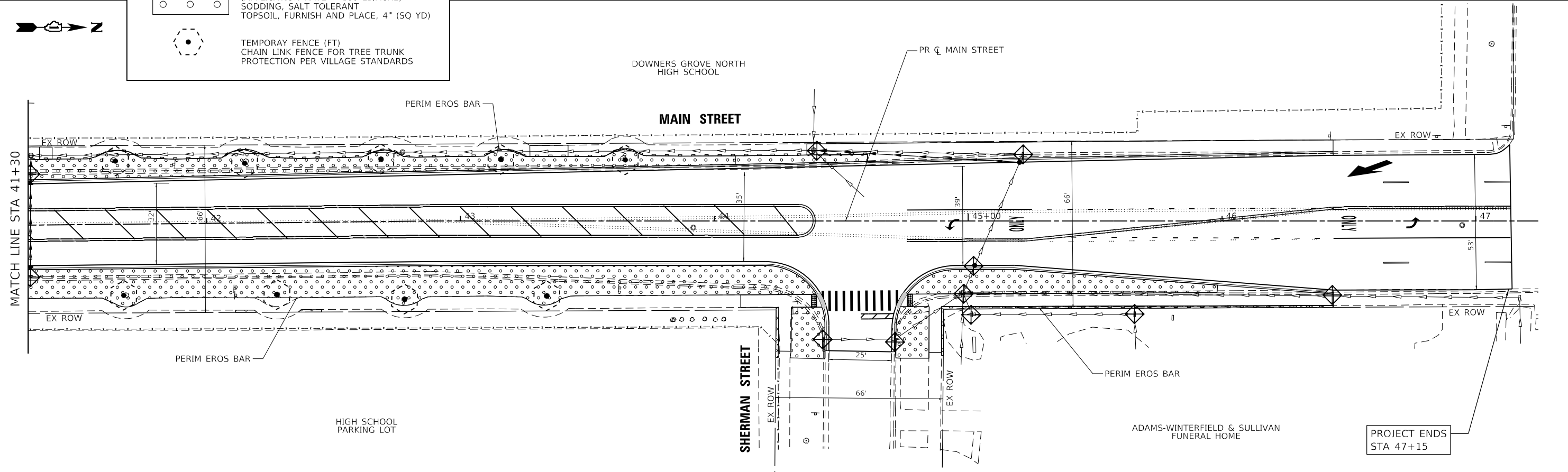
**MAIN STREET  
EROSION CONTROL PLAN**

SCALE: 1"=20'    SHEET 2 OF 3 SHEETS    STA. 23+45.00 TO STA. 35+35.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	25
			CONTRACT NO. 61K33	
ILLINOIS FED. AID PROJECT				



LEGEND	
	INLET FILTERS (EA)
	PERIMETER EROSION BARRIER (FT)
	TEMPORARY EROSION CONTROL SEEDING (LB) (APPLICATION RATE = 100 LB/ACRE) SODDING, SALT TOLERANT TOPSOIL, FURNISH AND PLACE, 4" (SQ YD)
	TEMPORARY FENCE (FT) CHAIN LINK FENCE FOR TREE TRUNK PROTECTION PER VILLAGE STANDARDS



HRG PROJECT NO: 2202291  
 HRG PROJ CONTACT:  
 FILE NAME: 2202291\_sht\_ero\_03.dgn  
 PEN TABLE: 1/10/2024.tbl



USER NAME = txu	DESIGNED - JJS	REVISED - XX/XX/XXXX
	DRAWN - TX	REVISED - XX/XX/XXXX
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PLOT DATE = 2/14/2024	DATE - 7/31/2023	REVISED - XX/XX/XXXX

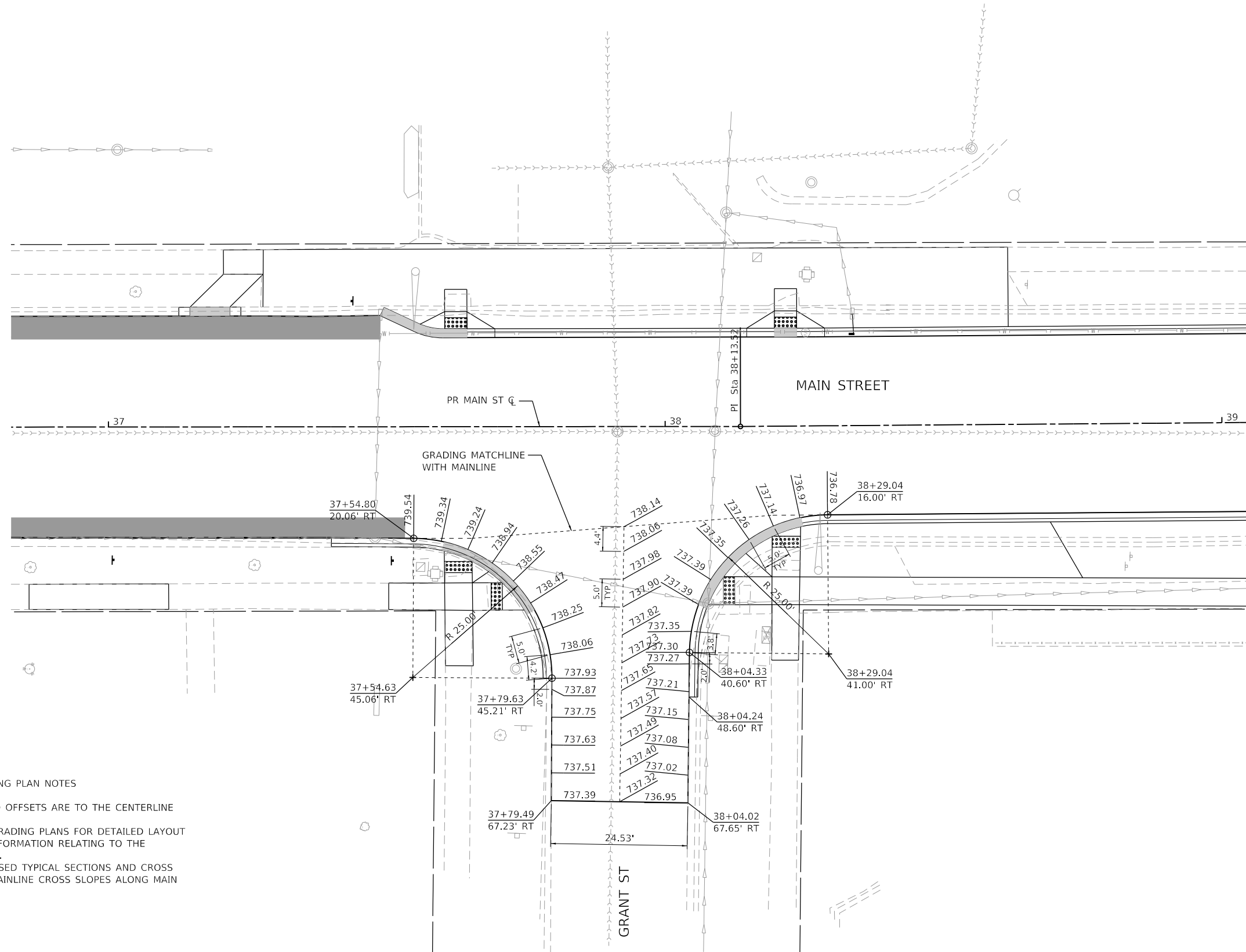
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MAIN STREET**  
**EROSION CONTROL PLAN**

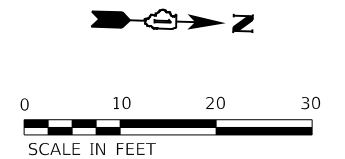
SCALE: 1"=20'    SHEET 3 OF 3 SHEETS    STA. 35+35.00 TO STA. 47+13.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	26
CONTRACT NO. 61K33				

ILLINOIS FED. AID PROJECT



- INTERSECTION GRADING PLAN NOTES
1. ALL STATION AND OFFSETS ARE TO THE CENTERLINE OF MAIN STREET.
  2. REFER TO ADA GRADING PLANS FOR DETAILED LAYOUT AND GRADING INFORMATION RELATING TO THE SIDEWALK RAMPS.
  3. REFER TO PROPOSED TYPICAL SECTIONS AND CROSS SECTIONS FOR MAINLINE CROSS SLOPES ALONG MAIN STREET.



HRG PROJECT NO.: 220229  
 HRG PROJ. CONTACT:  
 FILE NAME: 220229\_1.sht - 1.bwp\_01.dgn  
 PEN TABLE: 1/10/2024.tbl

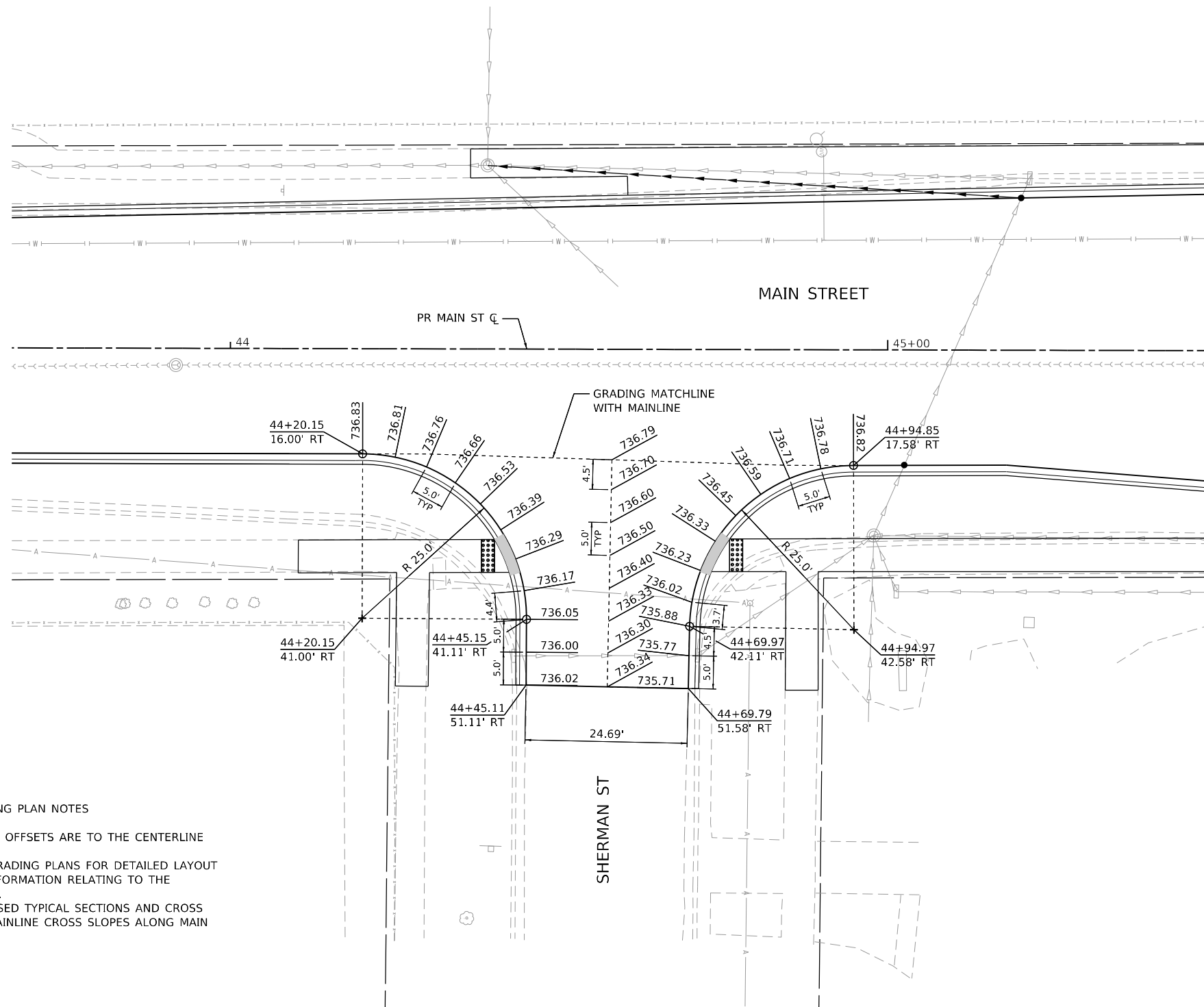


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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

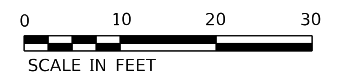
<b>MAIN STREET</b>	
<b>INTERSECTION DETAIL PLAN</b>	
SCALE: 1"=10'	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	27
CONTRACT NO. 61K33			ILLINOIS FED. AID PROJECT	



**INTERSECTION GRADING PLAN NOTES**

1. ALL STATION AND OFFSETS ARE TO THE CENTERLINE OF MAIN STREET.
2. REFER TO ADA GRADING PLANS FOR DETAILED LAYOUT AND GRADING INFORMATION RELATING TO THE SIDEWALK RAMP.
3. REFER TO PROPOSED TYPICAL SECTIONS AND CROSS SECTIONS FOR MAINLINE CROSS SLOPES ALONG MAIN STREET.



HRG PROJECT NO.: 220229  
 HRG PROJ. CONTACT:  
 FILE NAME: 220229\_01\_sht\_1bwp\_02.dgn  
 PEN TABLE: 1/10/2024.tbl



USER NAME = txu	DESIGNED - JJS	REVISED - XX/XX/XXXX
	DRAWN - TX	REVISED - XX/XX/XXXX
PLOT SCALE = 20.0000' / in.	CHECKED - XXX	REVISED - XX/XX/XXXX
PLOT DATE = 2/14/2024	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET  
INTERSECTION DETAIL PLAN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	28
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				



**REMOVAL NOTES:**

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL BECOME THE PROPERTY OF THE VILLAGE OF DOWNERS GROVE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE VILLAGE PUBLIC WORKS FACILITY AT 5101 WALNUT AVENUE ALONG WITH FIVE (5) COPIES OF A LIST OF EQUIPMENT THAT IS TO REMAIN THE PROPERTY OF THE VILLAGE IN ACCORDANCE WITH THE TRAFFIC SIGNAL SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT (SEE SCHEDULE OF QUANTITIES FOR REMOVAL ITEMS TO BE PAID FOR SEPARATELY).

- 2 EACH SIGNAL POST
- 1 EACH 3-SECTION TRAFFIC SIGNAL HEAD

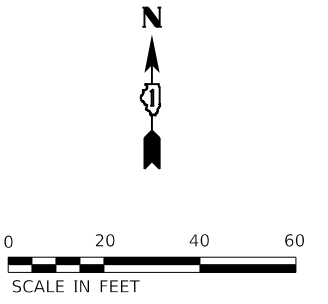
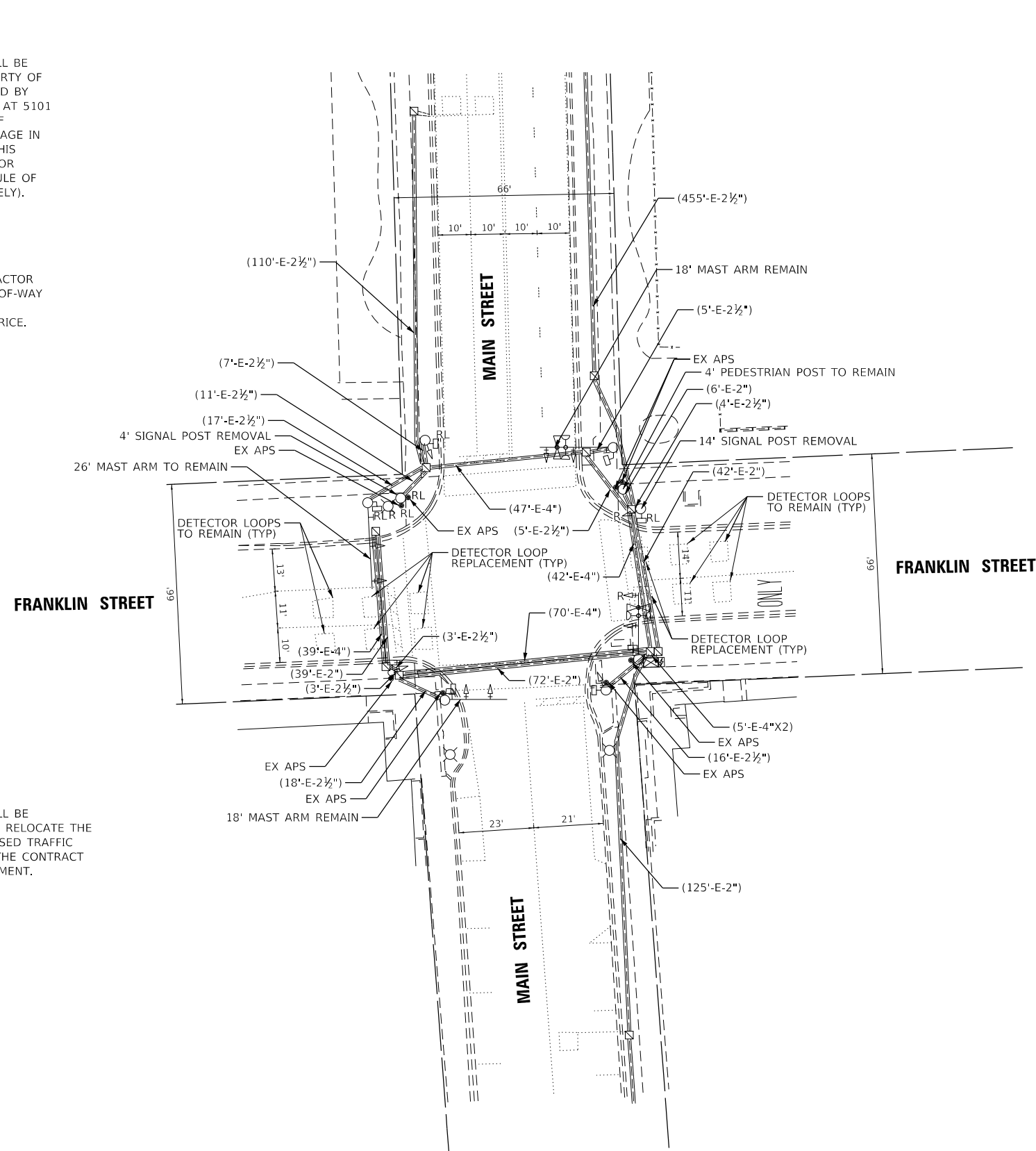
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT UNIT PRICE.

- 1 EACH LUMINAIRE

**RELOCATION NOTES:**

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE RELOCATED BY THE CONTRACTOR. THE CONTRACTOR SHALL RELOCATE THE EXISTING EQUIPMENT TO AVOID CONFLICT WITH THE PROPOSED TRAFFIC SIGNAL INSTALLATION. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- 2 EACH ACCESSIBLE PEDESTRIAN SIGNALS
- 3 EACH PEDESTRIAN SIGNAL HEAD
- 1 EACH 3-SECTION TRAFFIC SIGNAL HEAD



HRG PROJECT NO.: 220229  
 HRG PROJ. CONTACT:  
 FILE NAME: 220229\_signals\_Franklin\_sht\_01.dgn  
 PEN TABLE: 10/1/2024.tbl



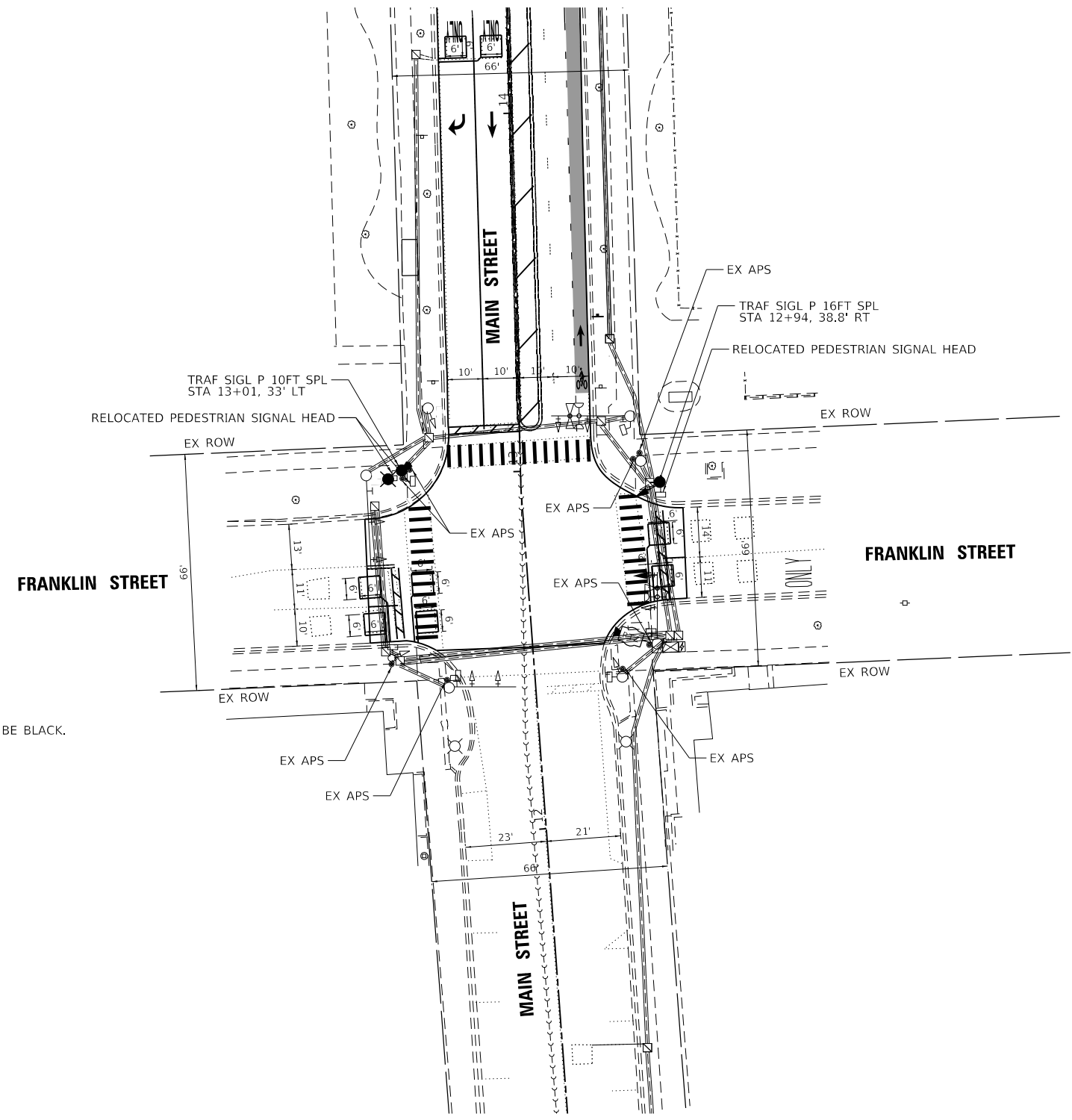
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PLOT DATE = 2/14/2024	DATE - 7/31/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN  
MAIN STREET AT FRANKLIN STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	29
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				



**NOTE:**

LUMINAIRE HOUSING AND PTZ CAMERA MOUNTING ASSEMBLY TO BE BLACK.  
 FINAL PTZ CAMERA MOUNTING POSITIONS TO BE APPROVED BY THE ENGINEER.

HRG PROJECT NO.: 220229  
 HRG PROJ. CONTACT:  
 FILE NAME: 220229\_signals\_Franklin\_sht\_02.dgn  
 PEN TABLE: penTable.tbl



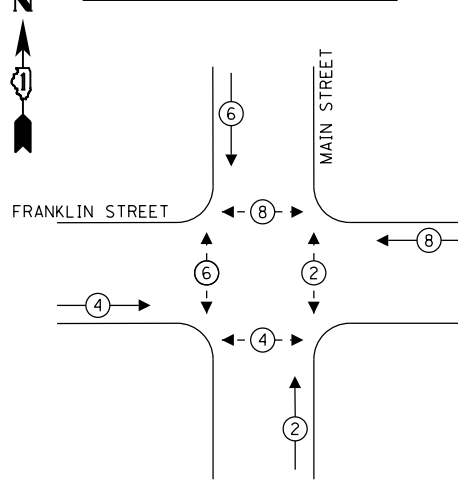
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	DRAWN - TX	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - XXX	REVISED -
PLOT DATE = 2/14/2024	DATE - 7/31/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

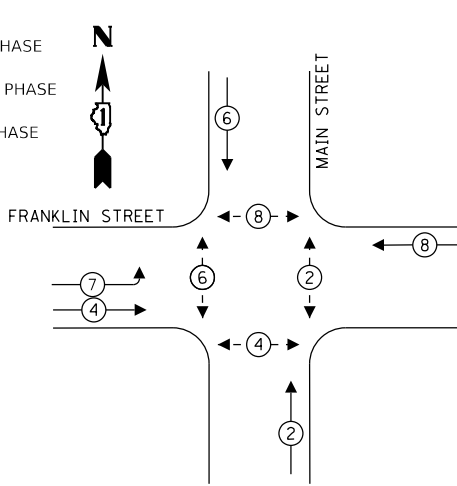
<b>PROPOSED TRAFFIC SIGNAL EQUIPMENT PLAN        MAIN STREET AT FRANKLIN STREET</b>	
SCALE: 1"=20'	SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	30
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				

**EXISTING CONTROLLER SEQUENCE**

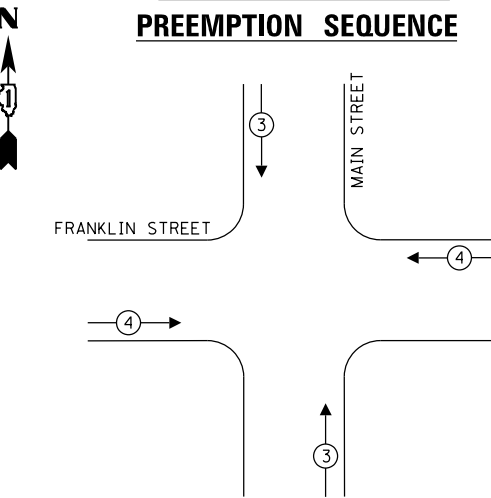


**PROPOSED CONTROLLER SEQUENCE**

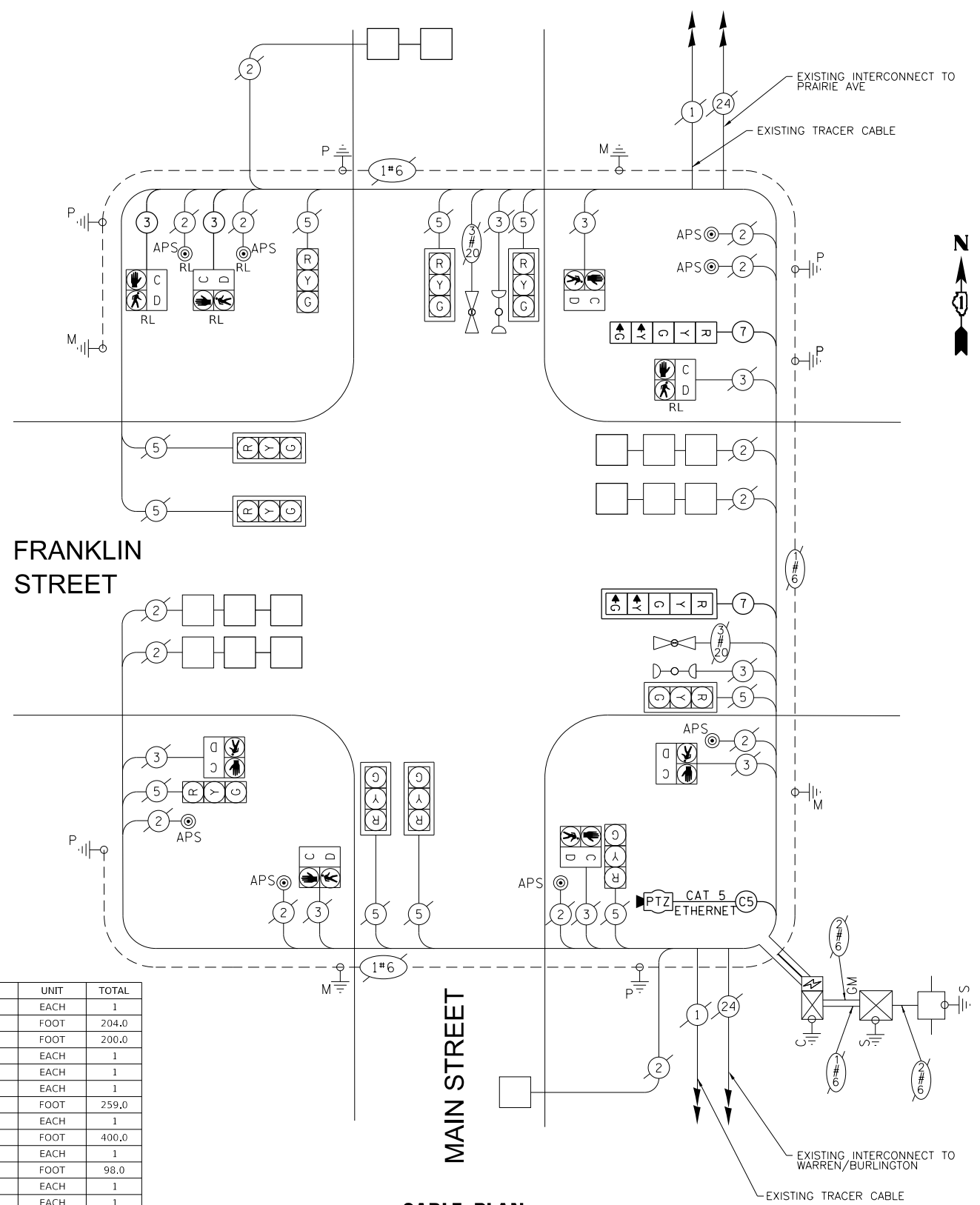
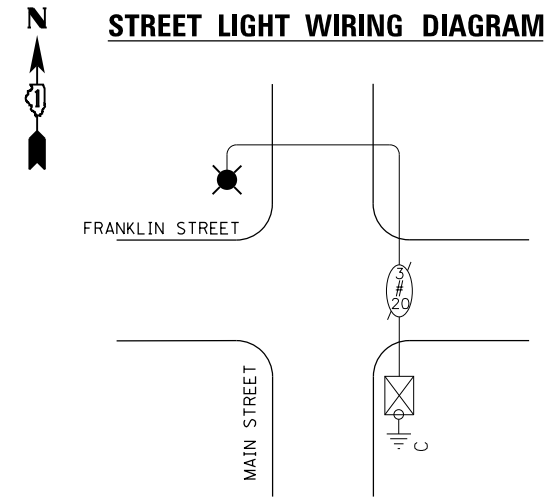


- LEGEND**
- ← ⊙ → DUAL ENTRY PHASE
  - ← ⊙ → SINGLE ENTRY PHASE
  - ← ⊙ → PEDESTRIAN PHASE
  - ← ⊙ → OVERLAP
  - \* NUMBER REFERS TO ASSOCIATED PHASE

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**STREET LIGHT WIRING DIAGRAM**



**CABLE PLAN**  
(NOT TO SCALE)

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE	% OPERATION	
SIGNAL (RED)	12	LED	50	66.0
		(YELLOW)	25	12.0
		(GREEN)	25	64.8
ARROW	4	10	10	4.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	60	100	150
LUMINAIRE	0	165		
<b>TOTAL =</b>				<b>581.8</b>

ENERGY COSTS TO: VILLAGE OF DOWNERS GROVE  
5101 WALNUT AVE.  
DOWNERS GROVE, ILLINOIS 60515

ENERGY SUPPLY CONTACT: MARK SCHERIBEL  
 PHONE: (630) 723-2128  
 COMPANY: COMMONWEALTH EDISON

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	204.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	200.0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	1
DETECTOR LOOP REPLACEMENT	FOOT	259.0
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	400.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	98.0
LAYER II (DATALINK) SWITCH	EACH	1
TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	1
TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	1
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
CAMERA MOUNTING ASSEMBLY, SPECIAL	EACH	1

HRG PROJECT NO.: 2202291  
 HRG PROJ. CONTACT:  
 FILE NAME: 2202291\_signals\_Franklin\_sht\_03.dgn  
 PEN TABLE: 1/10/2024



USER NAME = txu	DESIGNED - JJS	REVISED - XX/XX/XXXX
PLOT SCALE = 40.0000' / in.	DRAWN - TX	REVISED - XX/XX/XXXX
PLOT DATE = 2/14/2024	CHECKED - XXX	REVISED - XX/XX/XXXX
	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC SIGNAL INSTALLATION PLAN</b>	
<b>MAIN STREET AT FRANKLIN STREET</b>	
SCALE: N.T.S.	SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	31
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				

**REMOVAL NOTES:**

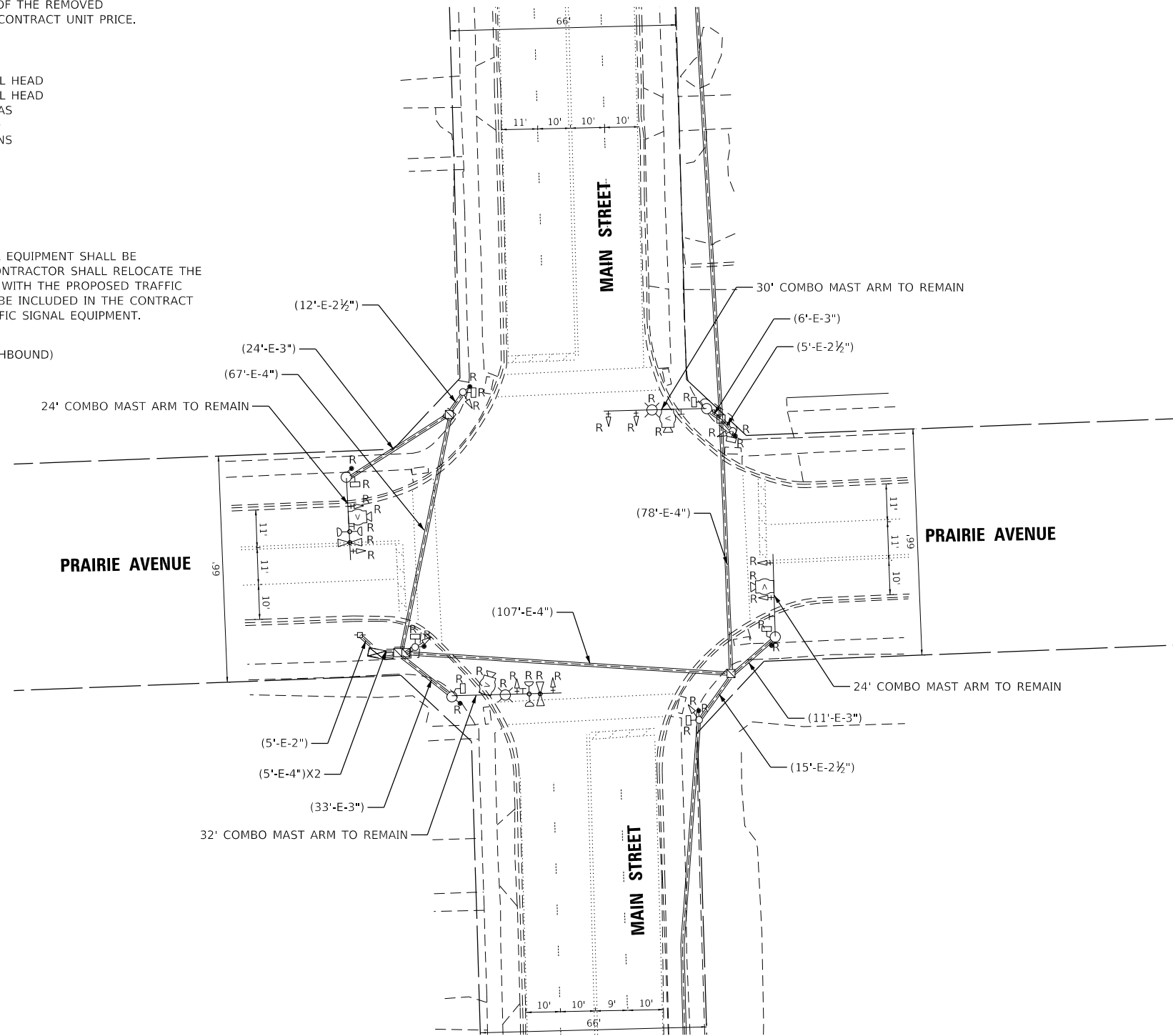
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT UNIT PRICE.

- 2 EACH LUMINARES
- 4 EACH 3-SECTION TRAFFIC SIGNAL HEAD
- 8 EACH 5-SECTION TRAFFIC SIGNAL HEAD
- 4 EACH VIDEO DETECTION CAMERAS
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 8 EACH PEDESTRIAN PUSH BUTTONS
- 2 EACH CONFIRMATION BEACON

**RELOCATION NOTES:**

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE RELOCATED BY THE CONTRACTOR. THE CONTRACTOR SHALL RELOCATE THE EXISTING EQUIPMENT TO AVOID CONFLICT WITH THE PROPOSED TRAFFIC SIGNAL INSTALLATION. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- 1 EACH STREET NAME SIGN (SOUTHBOUND)



HRG PROJECT NO.: 220229  
 HRG PROJ. CONTACT:  
 FILE NAME: 220229\_signals\_Prairie.sht\_01.dgn  
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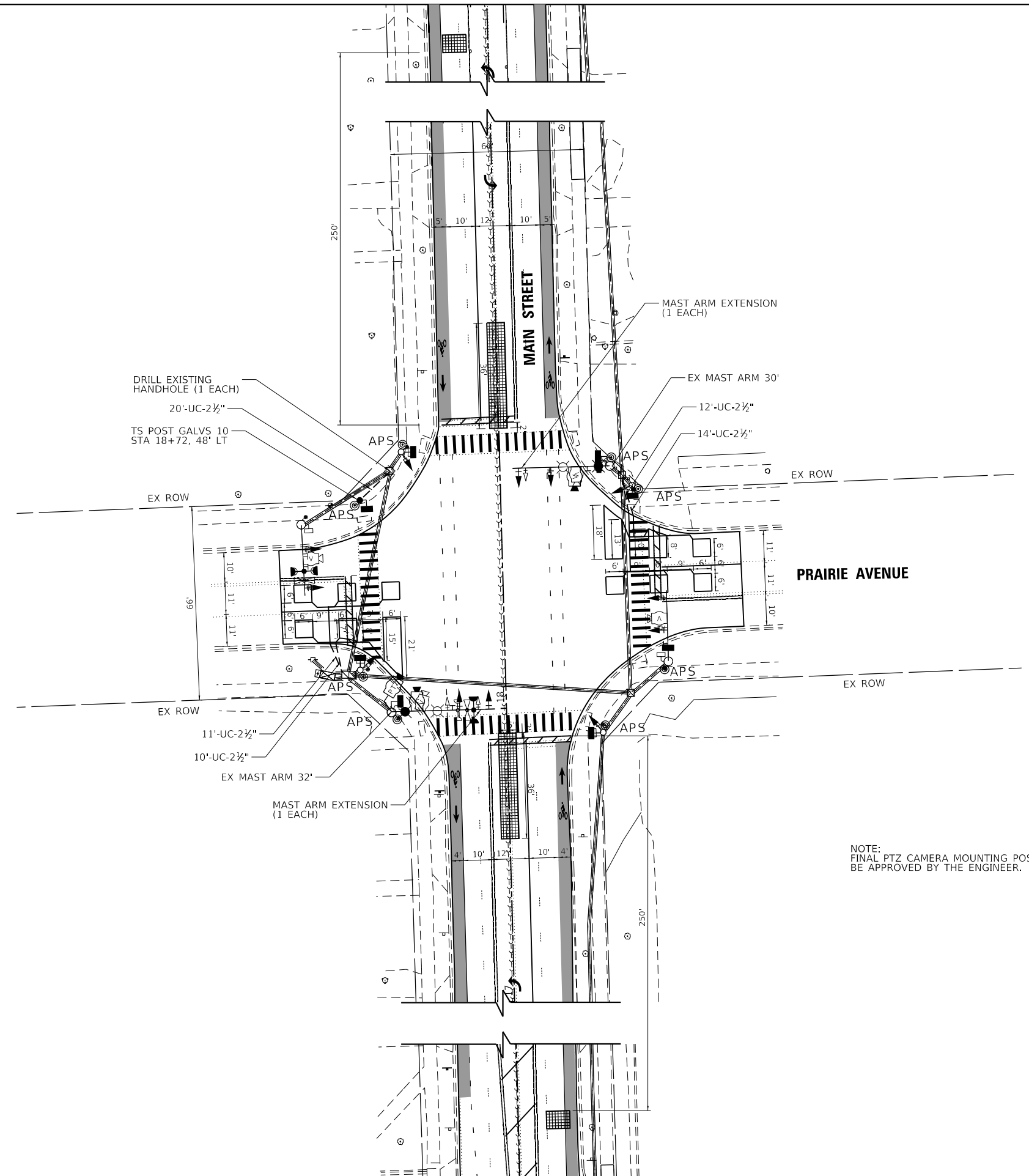
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN**  
**MAIN STREET AT PRAIRIE STREET**

SCALE: 1"=20'    SHEET 4 OF 9 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	32
CONTRACT NO. 61K33			ILLINOIS FED. AID PROJECT	



NOTE:  
FINAL PTZ CAMERA MOUNTING POSITIONS TO  
BE APPROVED BY THE ENGINEER.

HRG PROJECT NO.: 220229  
 HRG PROJ. CONTACT:  
 FILE NAME: 220229.sgnals\_Prairie\_sht\_02.dgn  
 PEN TABLE: p1010tbl.tbl



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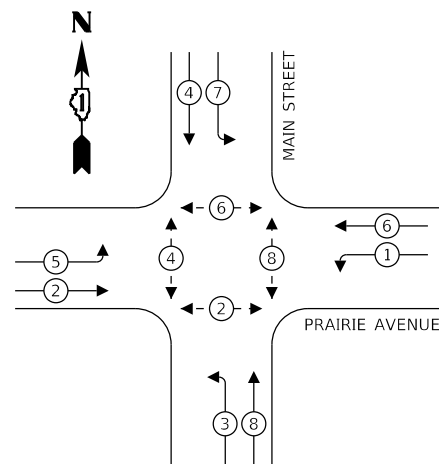
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL EQUIPMENT PLAN  
MAIN STREET AT PRAIRIE STREET**

SCALE: 1"=20'    SHEET 5 OF 9 SHEETS    STA.    TO STA.

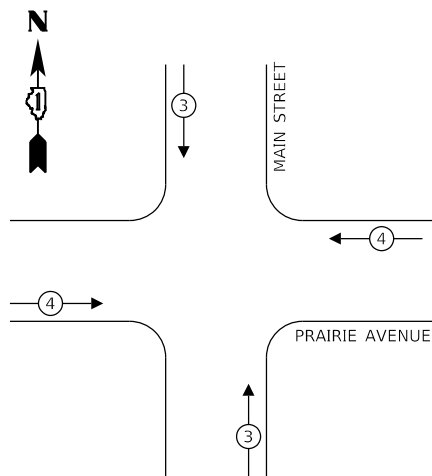
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	33
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				

**EXISTING  
CONTROLLER SEQUENCE**

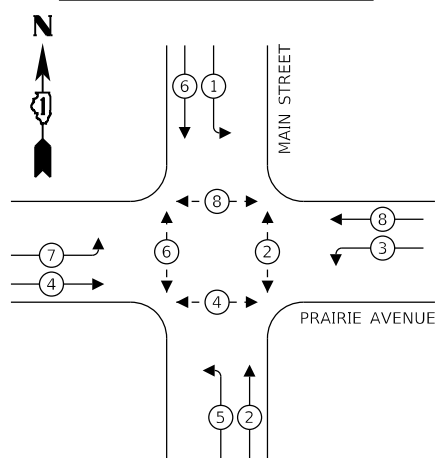


EXISTING CONTROLLER SEQUENCE NOTE:  
PHASE 3(AM) AND 7(PM) NEVER OPERATE CONCURRENTLY

**EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**PROPOSED  
CONTROLLER SEQUENCE**



**LEGEND**

- ⊙ \* DUAL ENTRY PHASE
- ⊙ \* SINGLE ENTRY PHASE
- ⊙ \* PEDESTRIAN PHASE
- ⊙ OL OVERLAP
- \* NUMBER REFERS TO ASSOCIATED PHASE

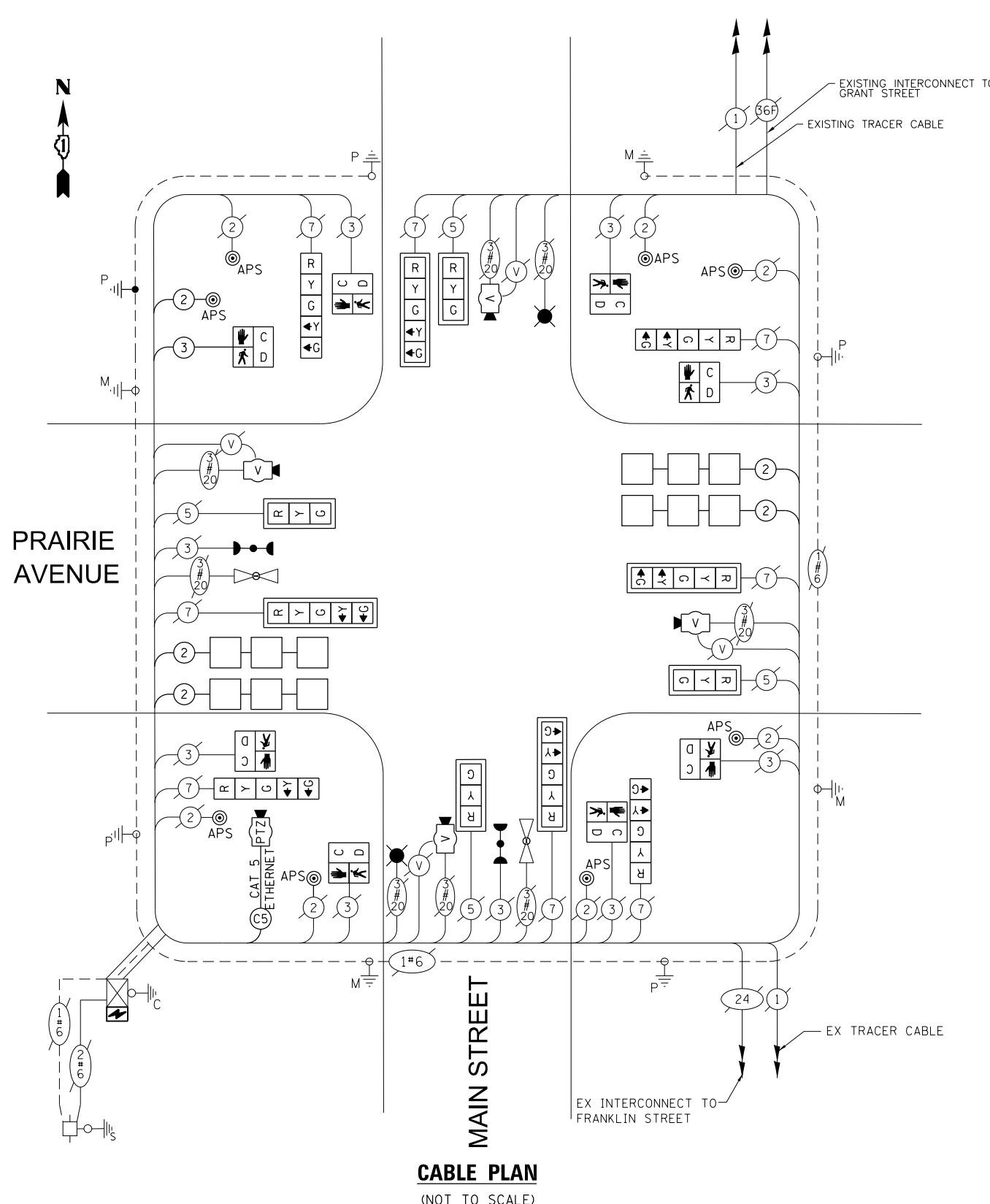
**SCHEDULE OF QUANTITIES**

ITEM	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	20.0
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	623.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	145.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	132.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4.0
DRILL EXISTING HANDHOLE	EACH	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	592.0
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	86.0
VIDEO DETECTION SYSTEM COMPLETE	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
EVP CONFIRMATION BEACON, LED RETROFIT	EACH	2
MAST ARM EXTENSION	EACH	2

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE	% OPERATION	
SIGNAL (RED)	12	LED	50	66.0
		(YELLOW)	5	12.0
		(GREEN)	45	64.8
ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
LUMINAIRE	2	165	50	165
			<b>TOTAL =</b>	<b>758.8</b>

ENERGY COSTS TO: VILLAGE OF DOWNERS GROVE  
5101 WALNUT AVE.  
DOWNERS GROVE, ILLINOIS 60515

ENERGY SUPPLY CONTACT: MARK SCHERIBEL  
 PHONE: (630) 723-2128  
 COMPANY: COMMONWEALTH EDISON



**CABLE PLAN**  
(NOT TO SCALE)

HRG PROJECT NO: 2202291  
 HRG PROJ CONTACT:  
 FILE NAME: 2202291\_signals\_Prairie\_sht\_03.dgn  
 PEN TABLE: v:\table.tbl



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PLOT DATE = 2/14/2024	CHECKED - XXX	REVISED - XX/XX/XXXX
	DATE - 7/31/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
MAIN STREET AT PRAIRIE STREET**

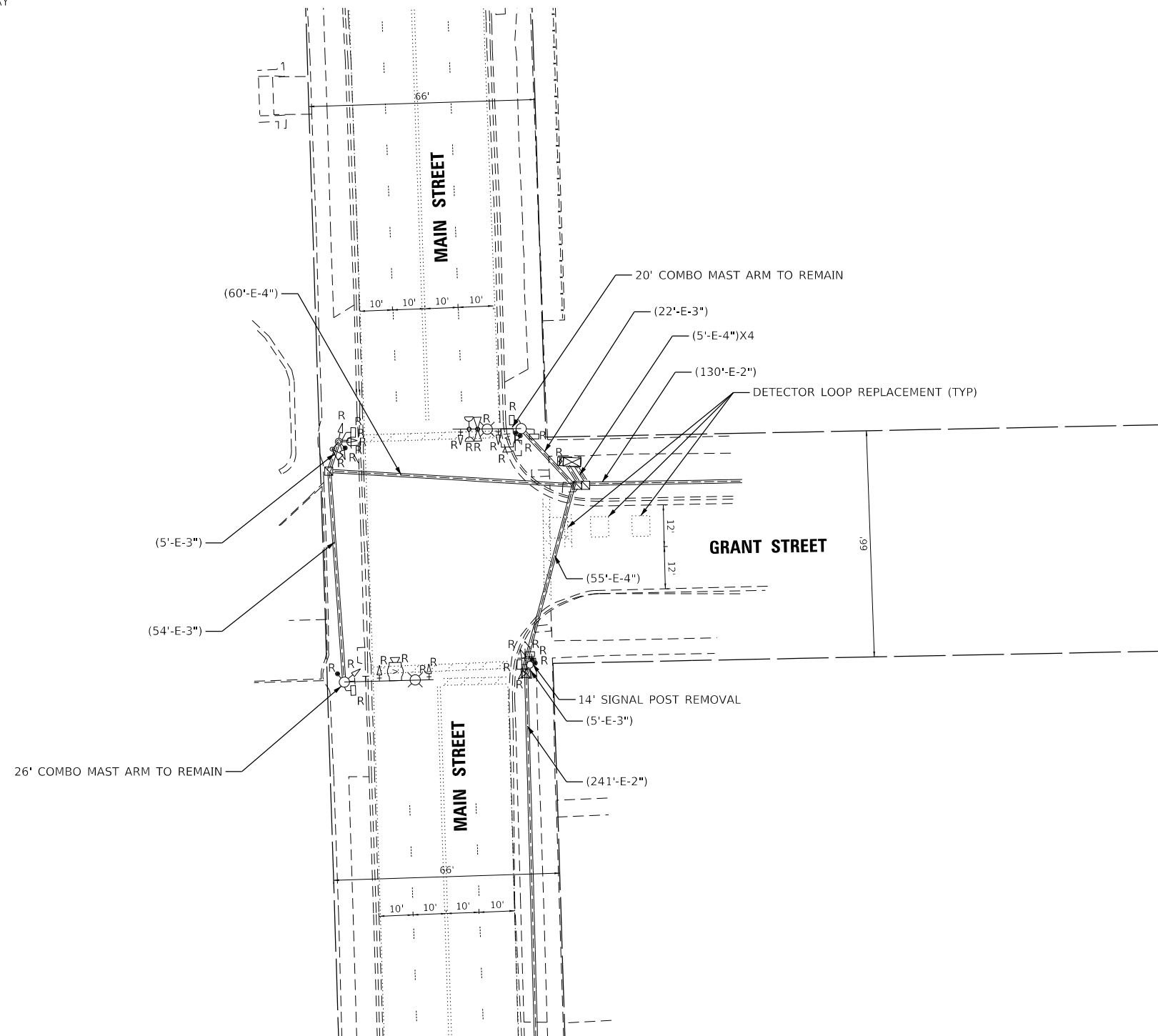
SCALE: N.T.S. SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	34
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				

## REMOVAL 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 UNIT PRICE.

- 2 EACH LUMINARES
- 10 EACH 3-SECTION TRAFFIC SIGNAL HEAD
- 2 EACH VIDEO DETECTION CAMERAS
- 6 EACH PEDESTRIAN SIGNAL HEAD
- 1 EACH SIGNAL POST
- 2 EACH CONFIRMATION BEACON
- 1 EACH UNINTERRUPTIBLE POWER SUPPLY



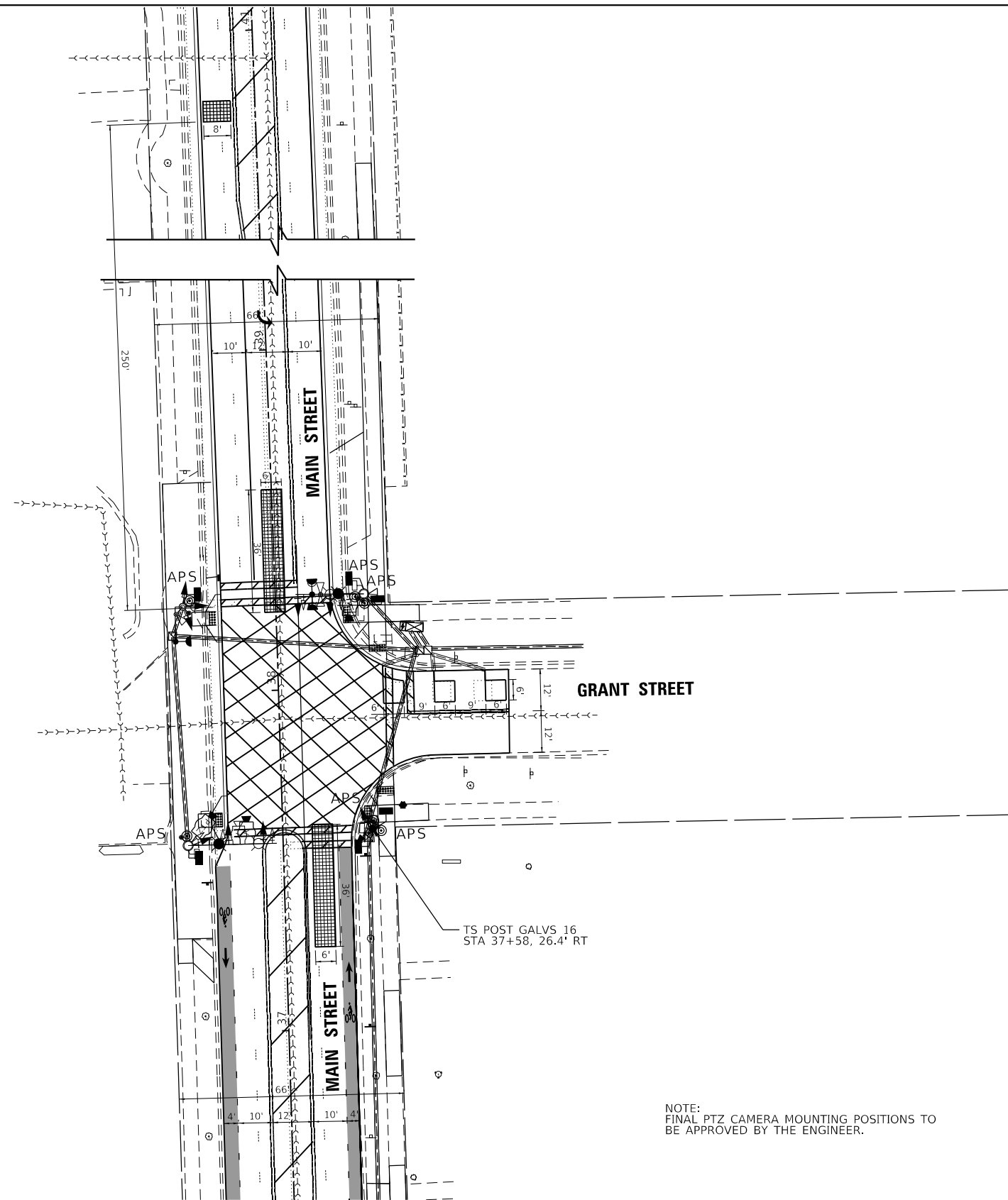
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PLOT DATE = 2/14/2024	DATE - 7/31/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN  
MAIN STREET AT GRANT STREET**

SCALE: 1"=20' SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	35
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				



HRG PROJECT NO.: 220229  
 HRG PROJ. CONTACT:  
 FILE NAME: 220229\_signals\_Grant.sht\_02.dgn  
 PLOT DATE: 2/14/2024  
 PEN TABLE: p10.tbl



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PLOT DATE = 2/14/2024	DATE - 7/31/2023	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

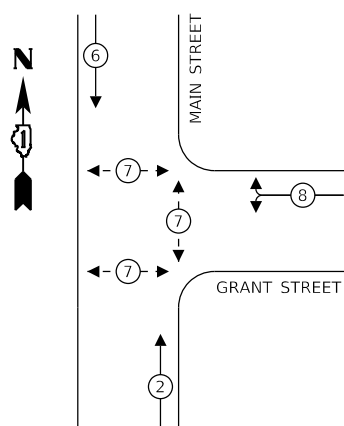
**PROPOSED TRAFFIC SIGNAL EQUIPMENT PLAN**  
**MAIN STREET AT GRANT STREET**

SCALE: 1"=20'    SHEET 8 OF 9 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	36
CONTRACT NO. 61K33				
ILLINOIS		FED. AID PROJECT		



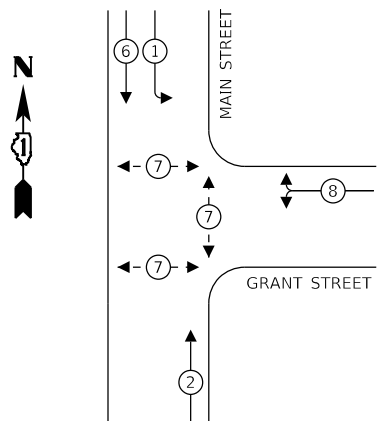
**EXISTING CONTROLLER SEQUENCE**



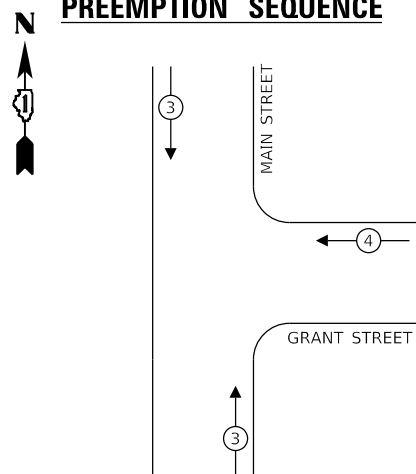
**LEGEND:**

- ← ⊛ → DUAL ENTRY PHASE
- ← ⊠ → SINGLE ENTRY PHASE
- ← ⊛ → PEDESTRIAN PHASE
- ← ⊠ OL → OVERLAP
- \* NUMBER REFERS TO ASSOCIATED PHASE

**PROPOSED CONTROLLER SEQUENCE**



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



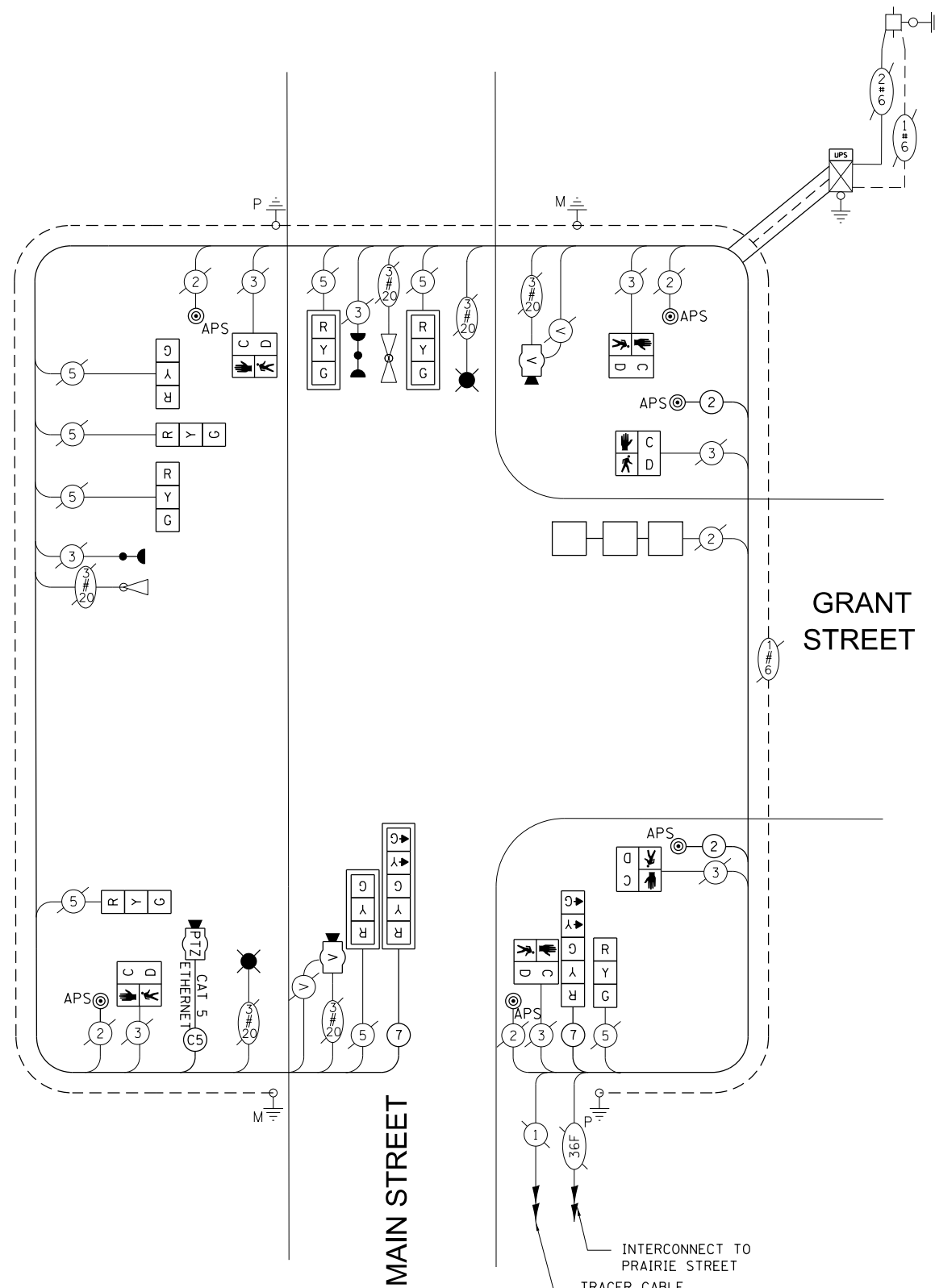
**SCHEDULE OF QUANTITIES**

ITEM	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	214.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	377.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4
DETECTOR LOOP REPLACEMENT	FOOT	85.0
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	377.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	214.0
LAYER II (DATALINK) SWITCH	EACH	1
VIDEO DETECTION SYSTEM COMPLETE	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
EVP CONFIRMATION BEACON, LED RETROFIT	EACH	2

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE	
TYPE	NO. LAMPS	WATTAGE			% OPERATION
		INCAND.	LED		
SIGNAL (RED)	10	17		50	85.0
(YELLOW)	10		25	25	62.5
(GREEN)	10		15	25	37.5
ARROW	0		12	10	0.0
PED. SIGNAL	6		25	100	150.0
CONTROLLER	1		100	100	100.0
UPS	1		25	100	25.0
VIDEO SYSTEM	1		15	100	15.0
LUMINAIRE	2		165	50	165.0
<b>TOTAL =</b>					<b>640.0</b>

ENERGY COSTS TO: VILLAGE OF DOWNERS GROVE  
5101 WALNUT AVE.  
DOWNERS GROVE, ILLINOIS 60515

ENERGY SUPPLY CONTACT: MARK SCHERIBEL  
PHONE: (630) 723-2128  
COMPANY: COMMONWEALTH EDISON



**CABLE PLAN**

(NOT TO SCALE)

HRG PROJECT NO.: 2202291  
 HRG PROJ. CONTACT:  
 FILE NAME: 2202291\_signals.Gramf\_sht\_03.dgn  
 PEN TABLE: v:\p\table.tbl



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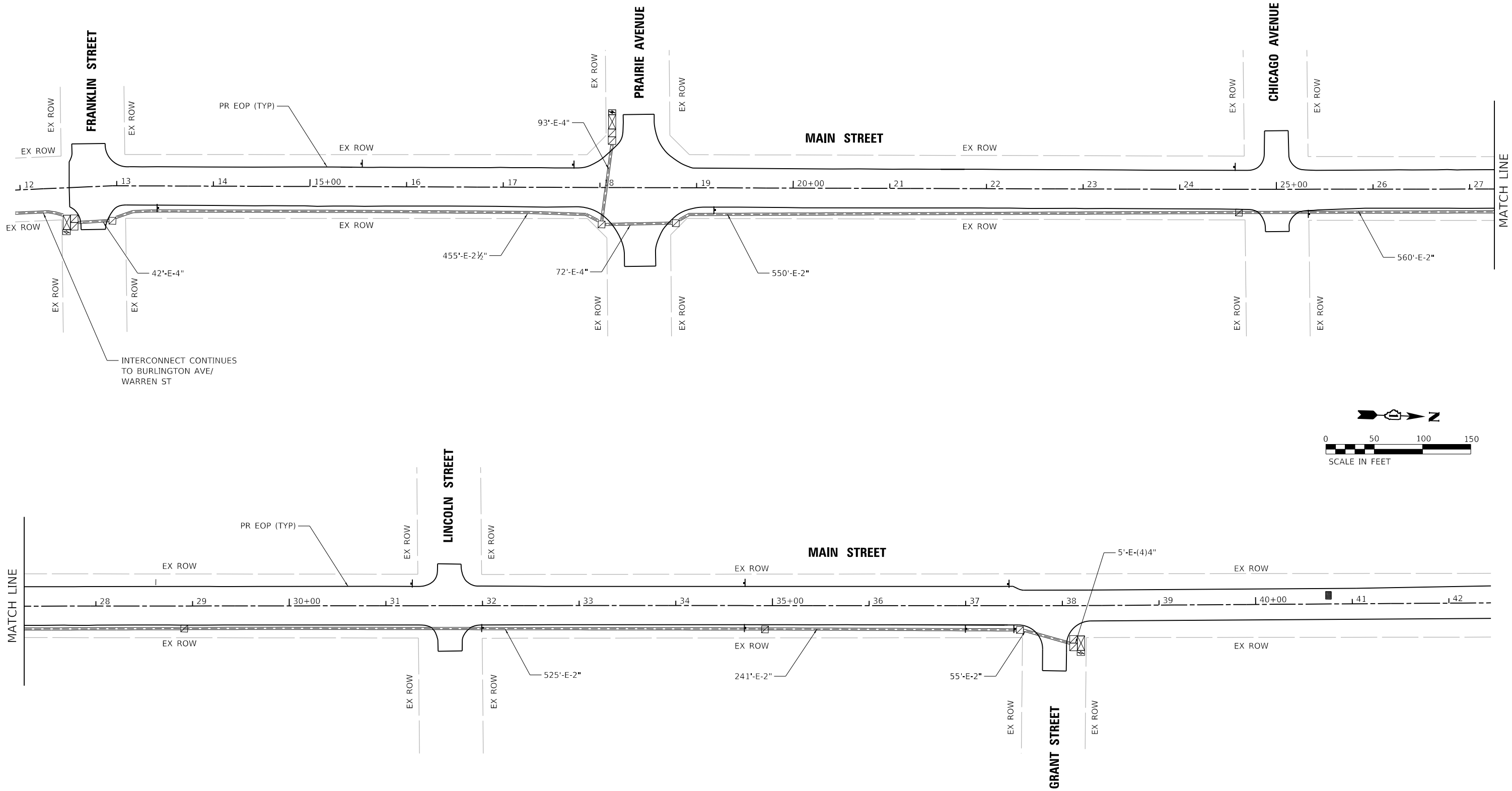
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
MAIN STREET AT GRANT STREET**

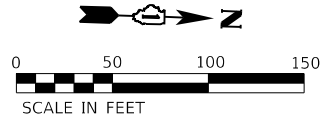
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	37
CONTRACT NO. 61K33				

ILLINOIS FED. AID PROJECT



INTERCONNECT CONTINUES TO BURLINGTON AVE/  
WARREN ST



HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
 FILE NAME: 220229\_signals\_interconnect\_plan.dwg  
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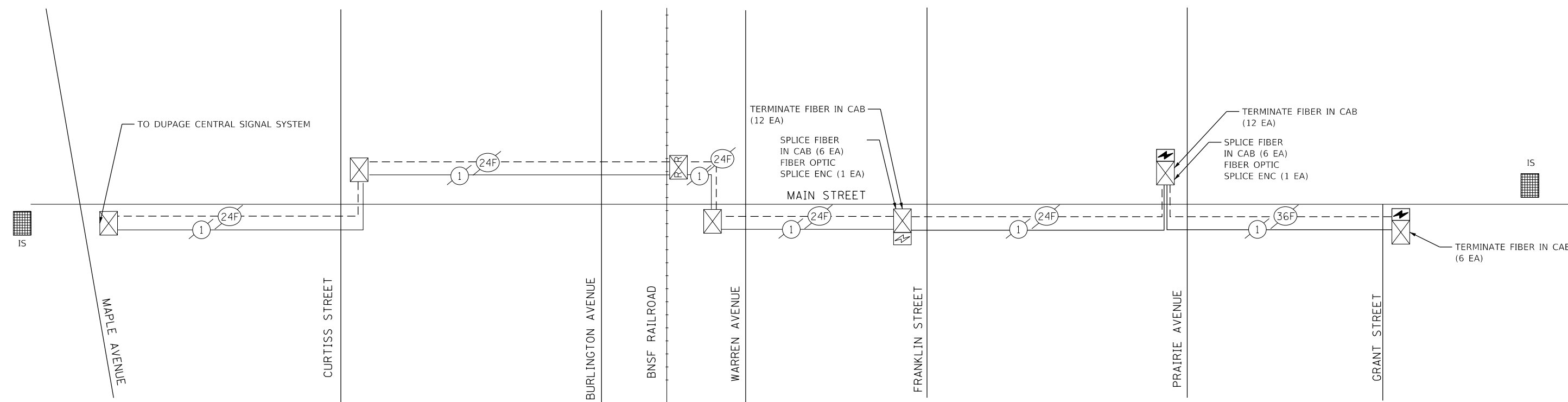
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PLOT DATE = 2/13/2024	DATE - 8/25/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INTERCONNECT PLAN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	38
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				



**SCHEDULE OF QUANTITIES**

QUANTITIES	UNIT	DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
30	EACH	TERMINATE FIBER IN CABINET
12	EACH	SPlice FIBER IN CABINET
2	EACH	FIBER OPTIC SPlice ENCLOSURE
1	EACH	OPTIMIZE TRAFFIC SIGNAL SYSTEM
1	EACH	PROGRAM ITS EQUIPMENT

**TRAFFIC SIGNAL OPTIMIZATION NOTE:**

- OPTIMIZE TRAFFIC SIGNAL SYSTEM SHALL INCLUDE THE FOLLOWING INTERSECTIONS:
- MAIN STREET AT MAPLE STREET
  - MAIN STREET AT CURTISS AVENUE
  - MAIN STREET AT BURLINGTON AVE / WARREN ST
  - MAIN STREET AT FRANKLIN STREET
  - MAIN STREET AT PRAIRIE STREET
  - MAIN STREET AT GRANT STREET

HRG PROJECT NO: 220229  
 HRG PROJ CONTACT:  
 FILE NAME: 220229\_signals\_schematic.dgn  
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PLOT DATE = 2/13/2024	DATE - 8/24/2023	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC**

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	39
CONTRACT NO. 61K33			ILLINOIS FED. AID PROJECT	











**BILL OF MATERIALS**

DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	423
UNIT DUCT, 600V, 5-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	6569
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	150
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	7
LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 200AMP	EACH	1
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	182
LIGHTING UNIT COMPLETE, SPECIAL	EACH	43
LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	119

**GENERAL NOTES:**

- THIS PROJECT INCLUDES THE REPLACEMENT OF HPS LUMINAIRES ON EXISTING TRAFFIC SIGNAL COMBINATION POLES WITH LED LUMINAIRES AT THE INTERSECTIONS OF MAIN ST. AT GRANT ST. AND MAIN ST. AT PRAIRIE AVE. THIS PROJECT ALSO INCLUDES INSTALLATION OF CORRIDOR LIGHTING ALONG MAIN ST. FROM FRANKLIN ST. TO SHERMAN ST. THE PROPOSED LIGHTING SHALL BE OWNED AND MAINTAINED BY THE VILLAGE OF DOWNERS GROVE.
- THE QUANTITIES OF RACEWAYS WHEREVER INDICATED ON THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
- THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS INSTALLATION AS SHOWN ON THE PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING ANY CONSTRUCTION WORK. IT SHALL ALSO BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION ACTIVITIES.
- TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
- LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND LOCAL CODES.
- ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE UL LISTED AND LABELED.
- THE CONTRACTOR SHALL TAKE PRECAUTION WHEN INSTALLING UNIT DUCT TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND TREES ROOTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DETERMINED BY THE ENGINEER.

**LEGEND**

-  EXISTING LIGHTING UNIT TO REMAIN
-  PROPOSED DECORATIVE LIGHTING UNIT, 14FT. MH., LED LUMINAIRE
-  EXISTING COMBINATION SIGNAL/LIGHT POLE, EXISTING LUMINAIRE TO BE REPLACED WITH LED LUMINAIRE
-  EXISTING COMBINATION SIGNAL/LIGHT POLE, PROPOSED LED LUMINAIRE TO BE INSTALLED
-  UNIT DUCT, 600V, 5-1C #2, 1/C #4 GROUND (XLP-TYPE USE) 2" DIA. POLYETHYLENE
-  ComEd ELECTRIC SERVICE, 120/240V, 1 PHASE 3 WIRE
-  PROPOSED LIGHTING CONTROLLER "LC" 120/240V, 3 WIRE 200 AMP, BASE MOUNTED
-  RIGID GALVANIZED STEEL CONDUIT
-  ELECTRIC CABLE IN CONDUIT 4" DIA., 3-1/C NO. 1/0
-  GROUND ROD 5/8" DIA. X 10 FT

LT-01

MODEL: D:\info\...  
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**AMES Engineering, Inc.**  
CONSULTING ENGINEERS  
6330 Belmont Road, Suite 4B  
Downers Grove, IL 60516

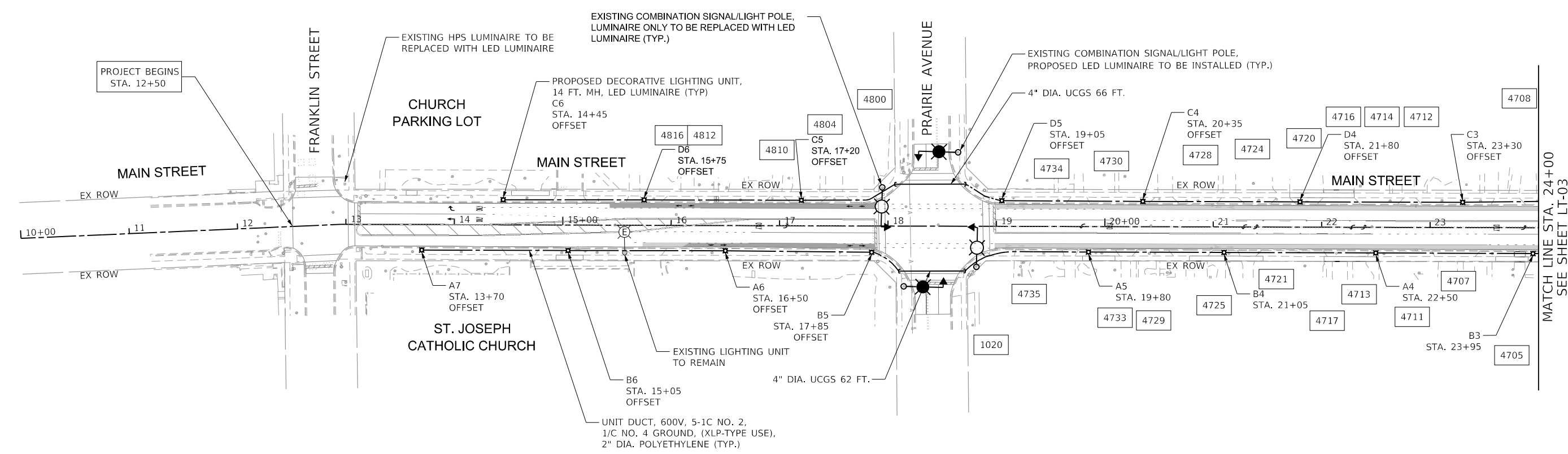
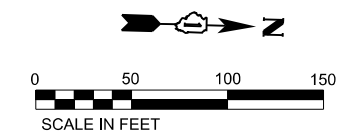
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LIGHTING GENERAL NOTES, BILL OF MATERIALS AND LEGEND  
MAIN STREET – DOWNERS GROVE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	40
CONTRACT NO. 61K33			ILLINOIS FED. AID PROJECT	



**NOTES:**

- FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
- SETBACK IS 2.5FT. FROM FACE OF CURB TO CENTER OF POLE.
- UCGS STANDS FOR UNDERGROUND CONDUIT GALVANIZED STEEL.
- OFFSET INDICATED WHERE THE LIGHTING UNIT HAS AN UNDERGROUND CONFLICT AND OFFSET FOUNDATION MAY BE REQUIRED.

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**AMES Engineering, Inc.**  
 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60516

USER NAME = SRahman	DESIGNED - MH	REVISED -
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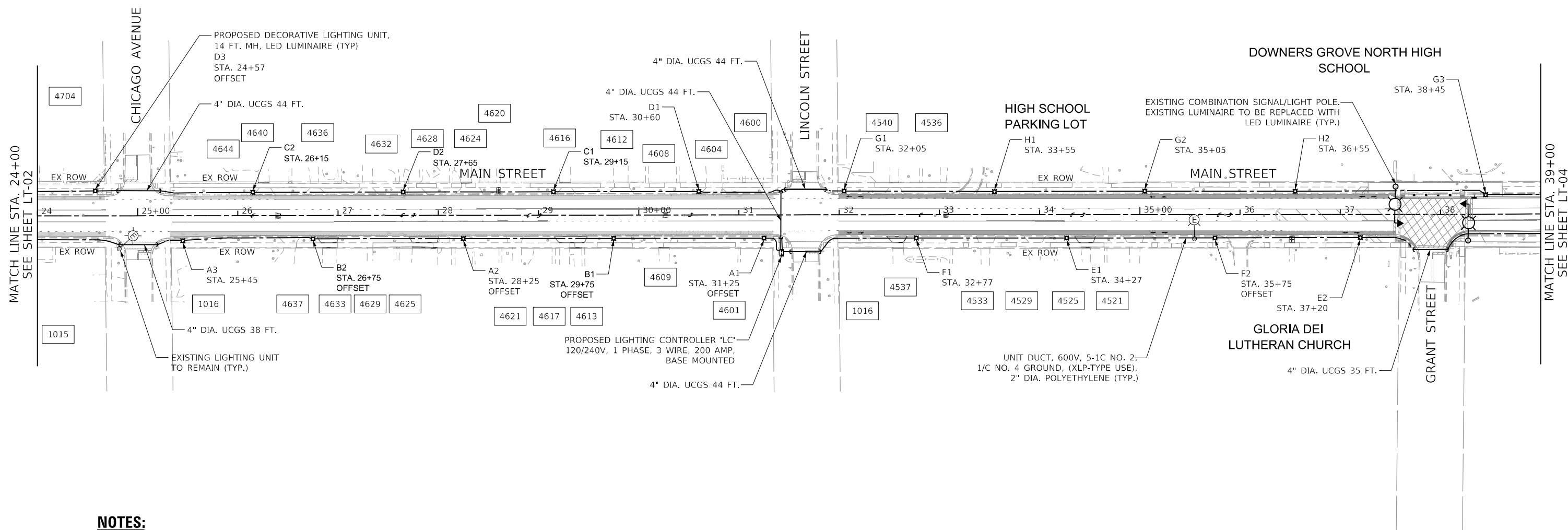
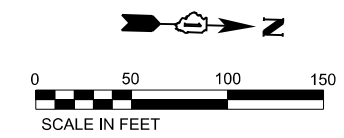
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN**  
**MAIN STREET - DOWNERS GROVE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	41
CONTRACT NO. 61K33				
		ILLINOIS	FED. AID PROJECT	

MATCH LINE STA. 24+00  
 SEE SHEET LT-03



**NOTES:**

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. SETBACK IS 2.5FT. FROM FACE OF CURB TO CENTER OF POLE.
3. UC/GS STANDS FOR UNDERGROUND CONDUIT GALVANIZED STEEL.
4. OFFSET INDICATED WHERE THE LIGHTING UNIT HAS AN UNDERGROUND CONFLICT AND OFFSET FOUNDATION MAY BE REQUIRED.

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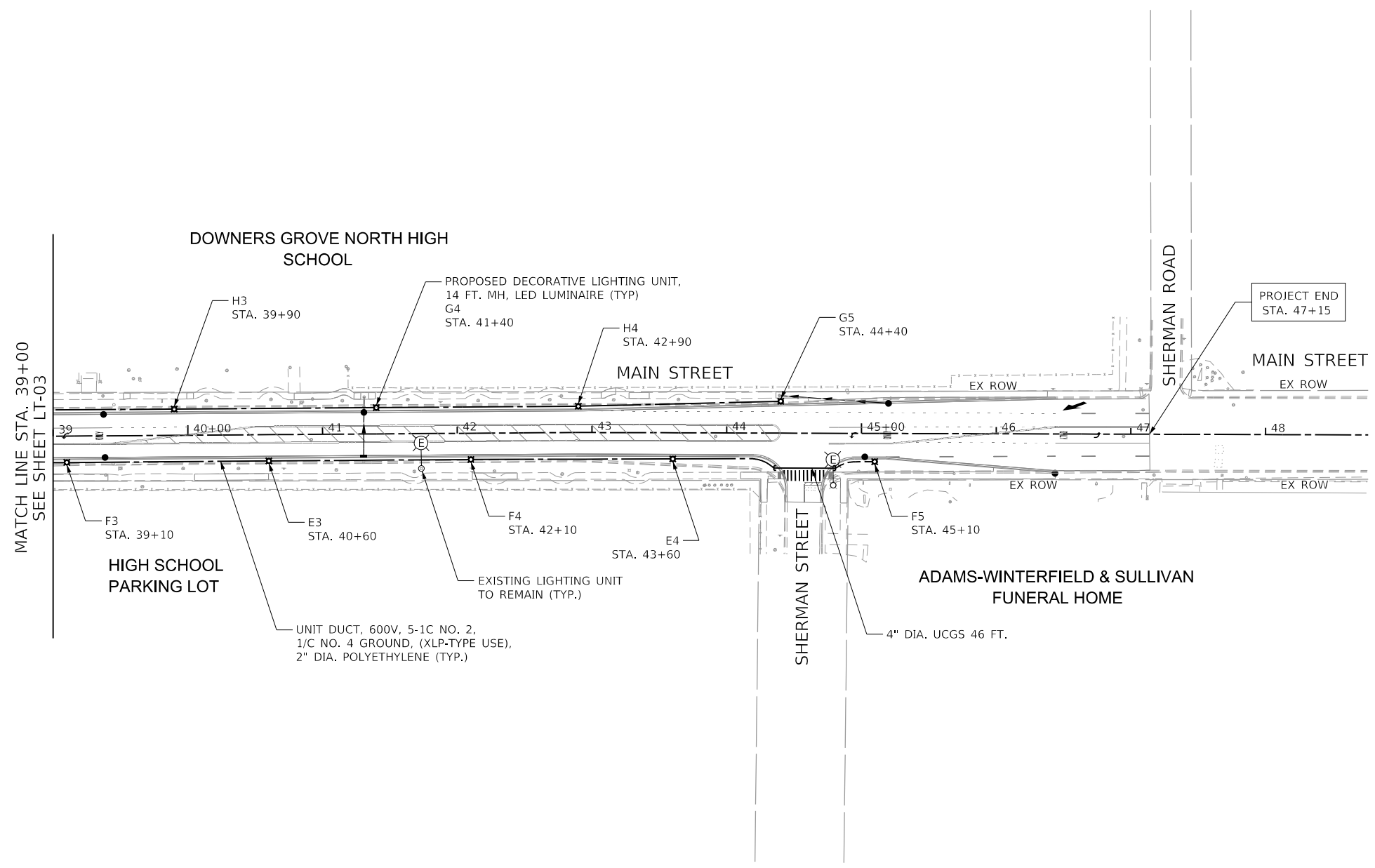
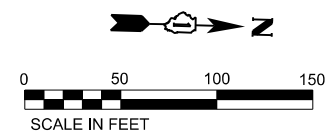
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PLOT DATE = 2/12/2024	DATE - 02-12-2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED LIGHTING PLAN</b>			
<b>MAIN STREET - DOWNERS GROVE</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	42
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				

LT-03



**NOTES:**

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. SETBACK IS 2.5FT. FROM FACE OF CURB TO CENTER OF POLE.
3. UCGS STANDS FOR UNDERGROUND CONDUIT GALVANIZED STEEL.

LT-04

MODEL: D:\info\...  
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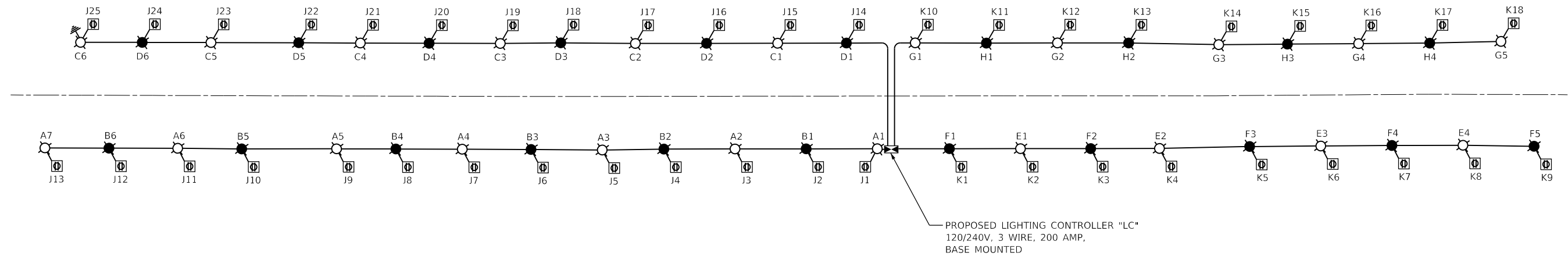
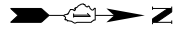
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED LIGHTING PLAN</b>			
<b>MAIN STREET - DOWNERS GROVE</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	43
CONTRACT NO. 61K33				
		ILLINOIS	FED. AID PROJECT	

**LEGEND:**

- LUMINAIRE, LED, 120V, 0.64A, 69W, ON BLACK WIRE
- LUMINAIRE, LED, 120V, 0.64A, 69W, ON RED WIRE
- Ⓛ FESTOON OUTLET, 120V GFCl, 1.2A, ON BLUE WIRE
- UNIT DUCT 600V 5-1/C #2 1/C #4 GROUND (XLP-TYPE USE) 2" DIA. POLYETHYLENE

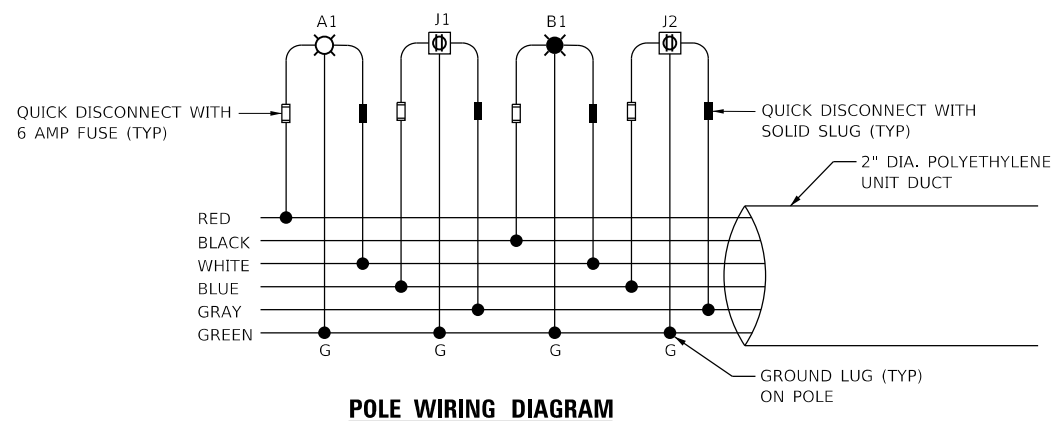


PROPOSED LIGHTING CONTROLLER "LC"  
120/240V, 3 WIRE, 200 AMP,  
BASE MOUNTED

**LOAD TABLE LIGHTING CONTROLLER "LC"**  
120/240V AC, 1PHASE, 200 AMP WITH 8-30A, 2-50A BKRS.

ON RED WIRE				ON BLACK WIRE				ON BLUE WIRE			
CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE	CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE	CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	7	4.48	483	B	6	3.84	414	J	25 RECEPT.	30.0	3250
C	6	3.84	414	D	6	3.84	414	K	18 RECEPT.	21.6	2340
E	4	2.56	276	F	5	3.20	345	-	-	-	-
G	5	3.20	345	H	4	2.56	276	-	-	-	-
TOTAL	22	1408	1518	TOTAL	21	13.44	1449	TOTAL	43 RECEPT.	51.6	5590

TOTAL LOAD IN WATTS 8557  
TOTAL LOAD IN AMPS 79.12



**POLE WIRING DIAGRAM**

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	DATE - 02-12-2024	REVISED -

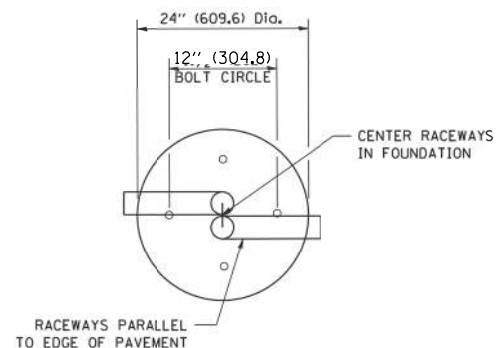
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SINGLE LINE WIRING DIAGRAM  
MAIN STREET - DOWNERS GROVE**

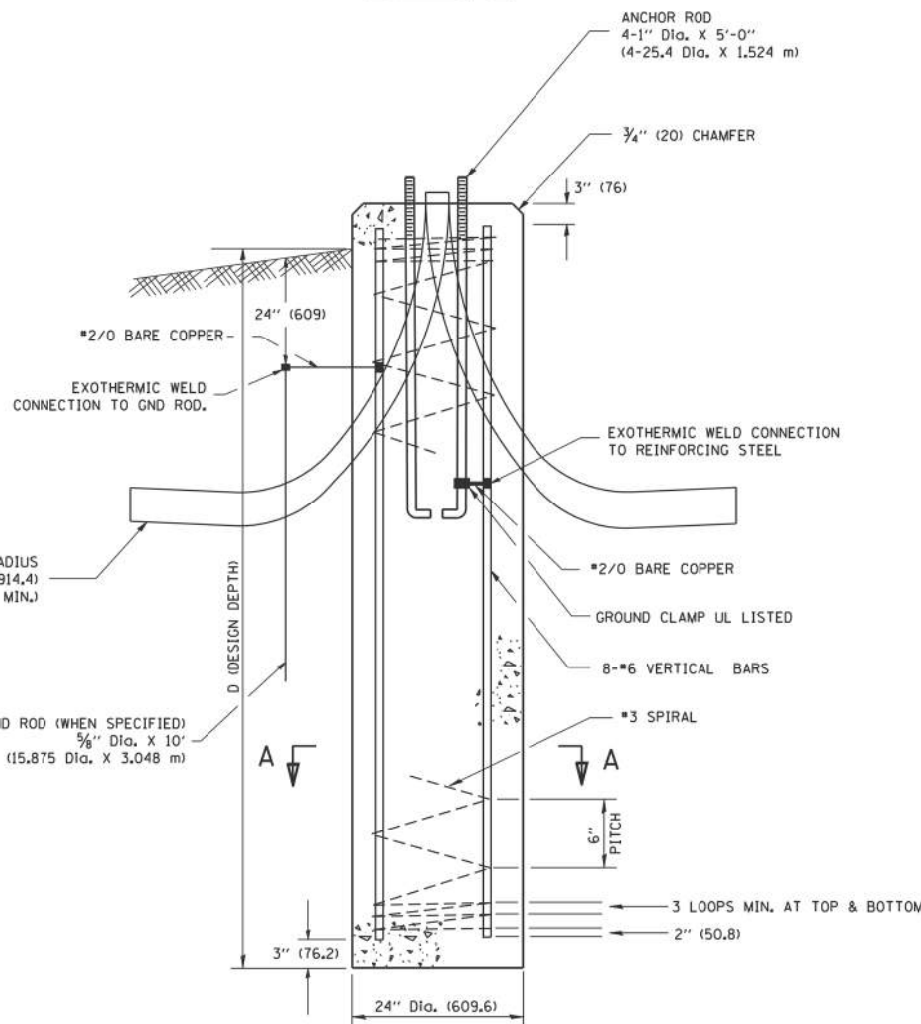
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61K33				
ILLINOIS		FED. AID PROJECT		

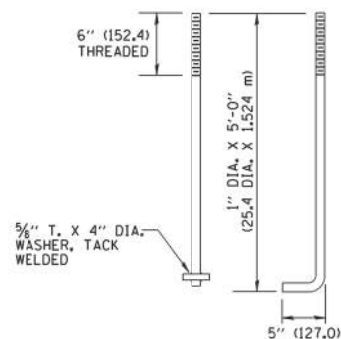




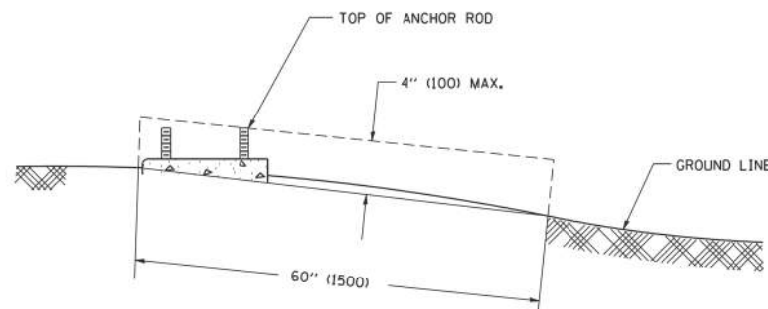
TOP VIEW



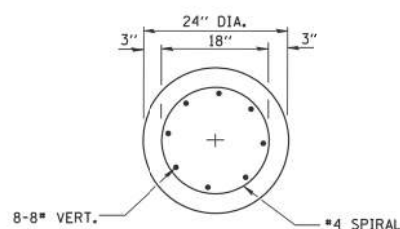
FOUNDATION DETAIL



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS S1. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CONTRACTOR SHALL DETERMINE DEPTH OF THE POLE FOUNDATION BASED ON SOIL CONDITIONS.

MODEL: RPODELNAMES  
FILENAME: SFEELS

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USER NAME = \$USERS	DESIGNED - MH	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

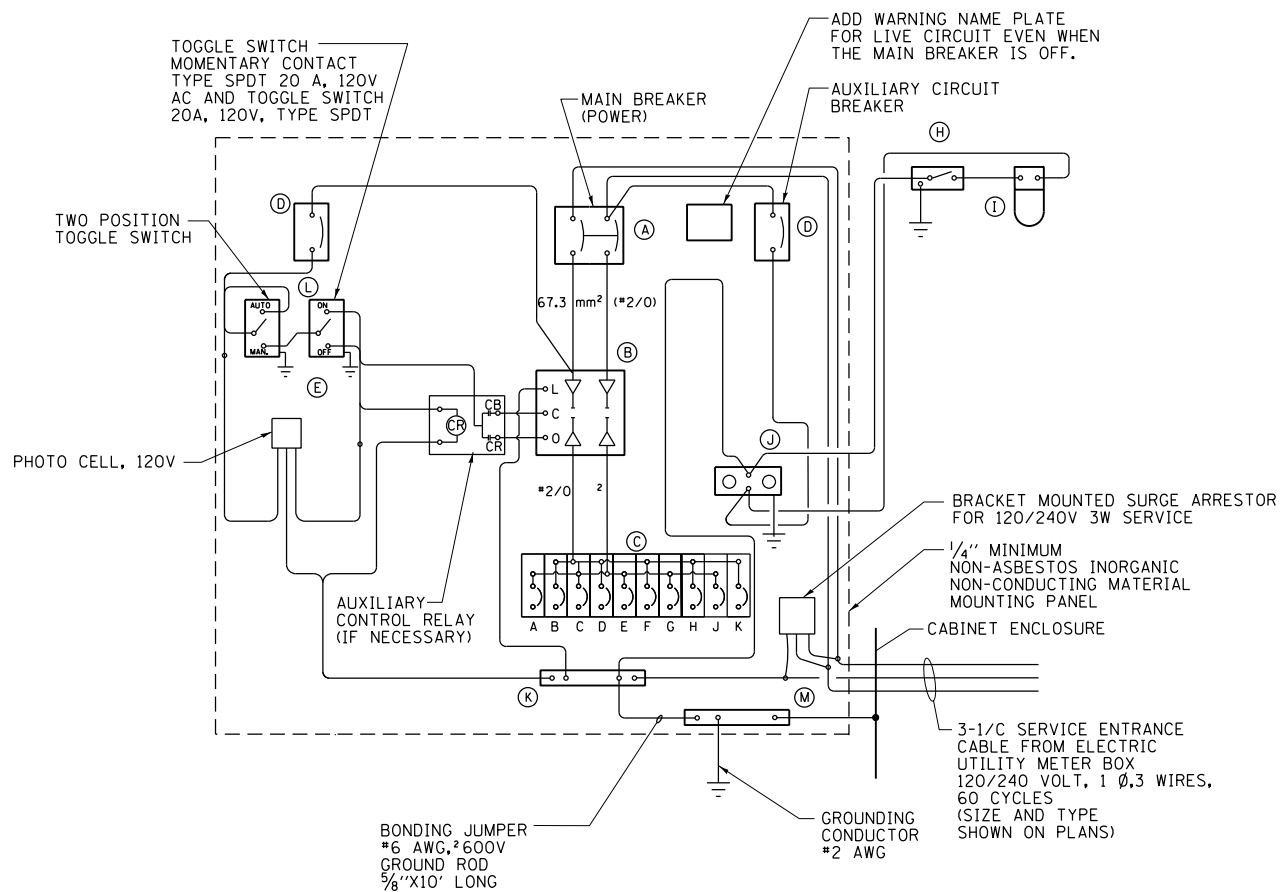
LIGHT POLE FOUNDATION  
MAIN STREET - DOWNERS GROVE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61K33				
		ILLINOIS	FED. AID PROJECT	

LT-06

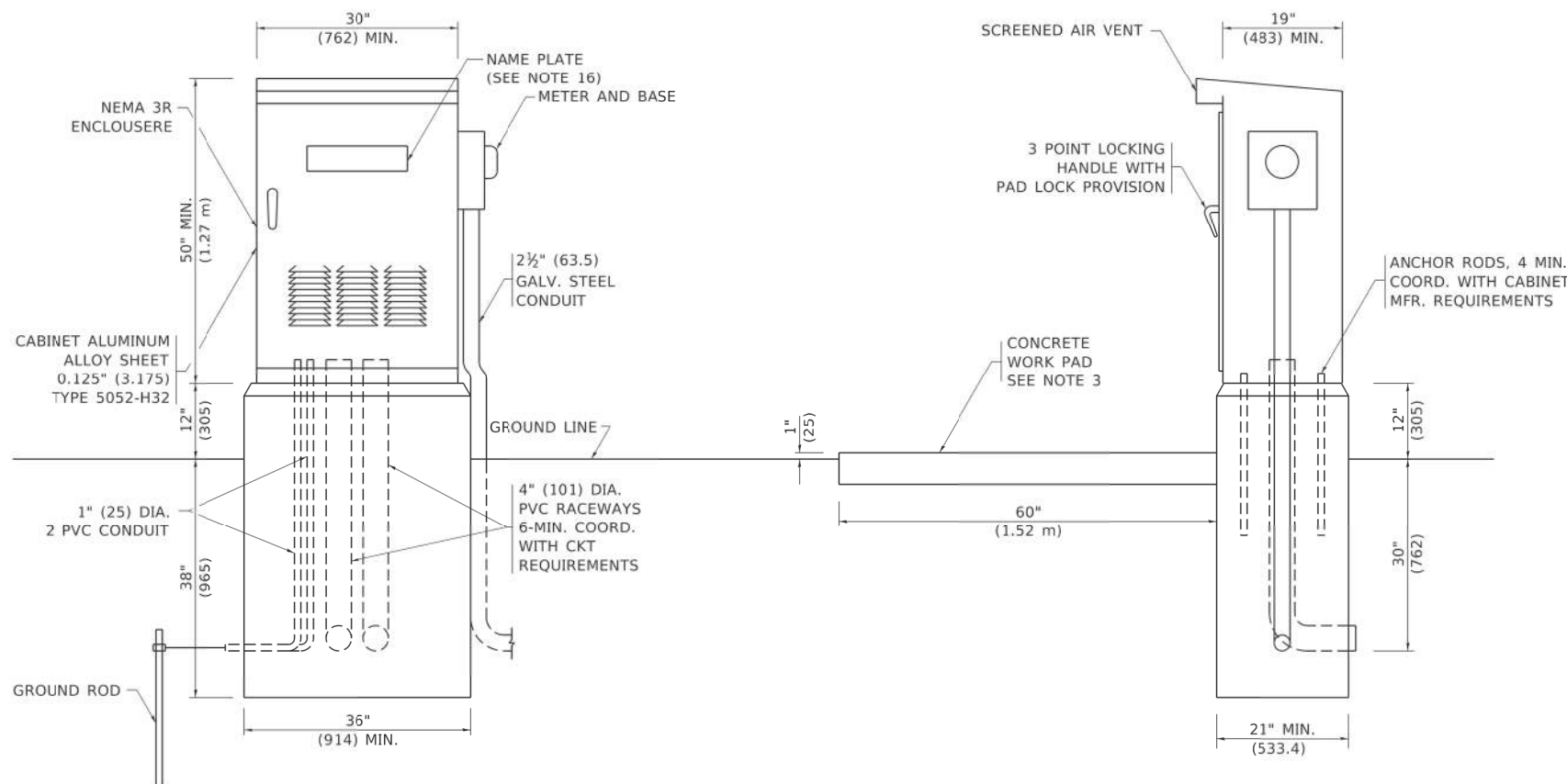




**WIRING DIAGRAM**

**PANEL EQUIPMENT**

BILL OF MATERIAL		
ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 200 AMP. FRAME, 200AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 200 AMP., 600 VOLTS CONTROL CIRCUITS 120 VOLT, ASCO 920.
C	8	CIRCUIT BREAKERS, 1 POLE, 277V., 100AMP. FRAME 30AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP. AT 120 V.
	2	CIRCUIT BREAKERS, 1 POLE, 277V., 100AMP. FRAME 50AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP. AT 120 V. (GFCI)
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 V., 100AMP. FRAME, 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP. AT 120 V.
E	1	PHOTOCCELL, 120V
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER NEUTRAL BUS 6.35 mm (1/4") X 25.4 mm (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS.
L	1	TOGGLE SWITCHES MOUNTED IN 101.6 mm (4") X 101.6 mm (4") BOX.
M	1	COPPER GROUND BUS 6.35 mm (1/4") X 25.4 mm (1") 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS.
N	1	SURGE ARRESTOR



**NOTES**

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (18.288 m) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1#4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.  
R = RED      BL = BLUEW = WHITE  
B = BLACK    Y = YELLOW    G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

LT-08

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PROJECT: 22-00118-00-PV-215.dwg

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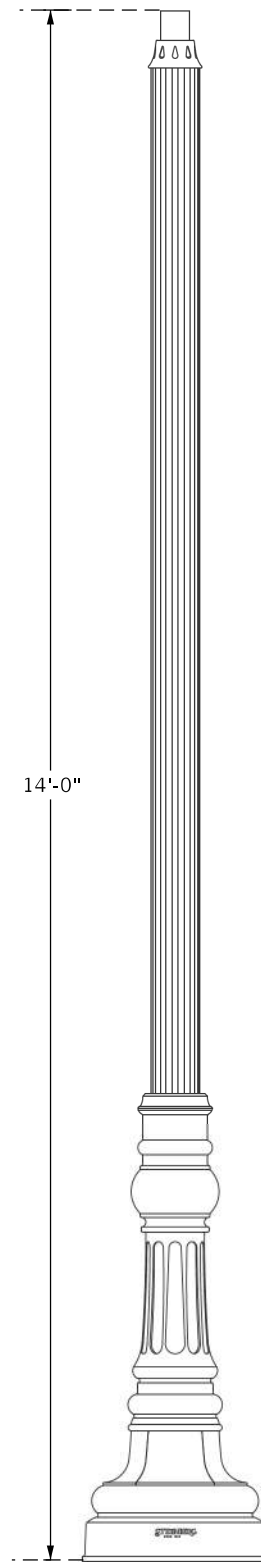
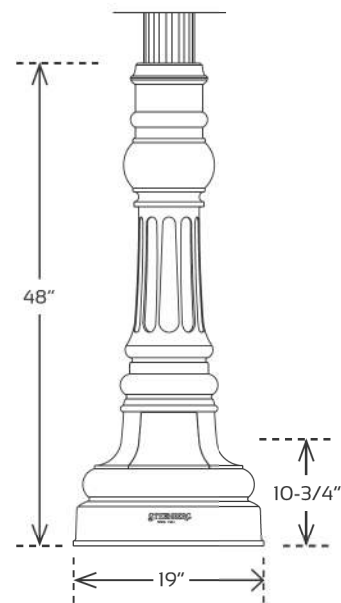
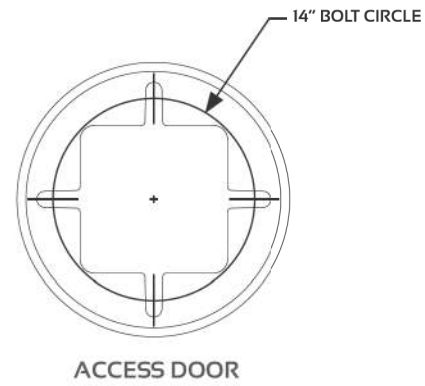
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LIGHTING CONTROLLER  
SINGLE DOOR**

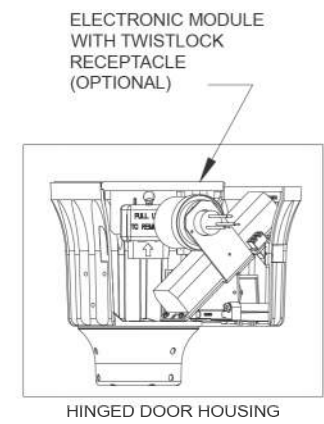
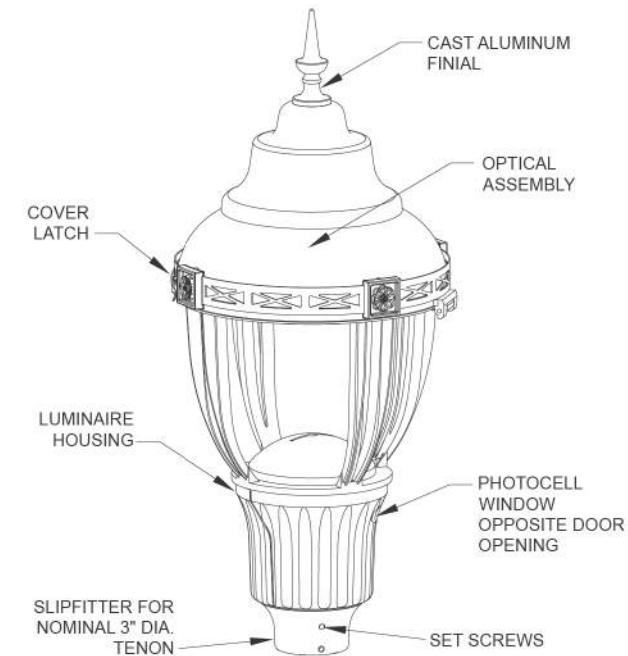
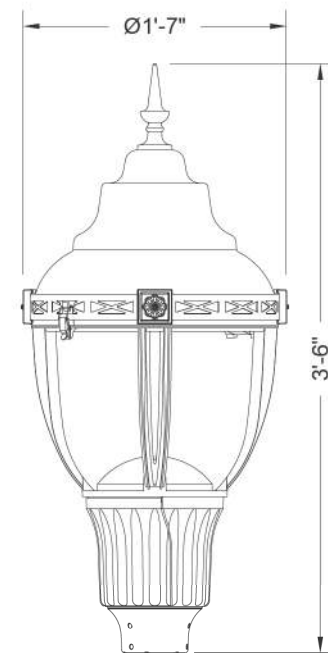
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	47
BE-215		CONTRACT NO. 61K33		
ILLINOIS FED. AID PROJECT				





**STRAIGHT  
FLUTED  
SHAFT<sup>1</sup>**



**NOTES:**

1. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
2. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
3. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL.
4. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
5. FOR ADDITIONAL INFORMATION, REFER TO ' LIGHTING UNIT COMPLETE, SPECIAL' SPECIAL PROVISION.

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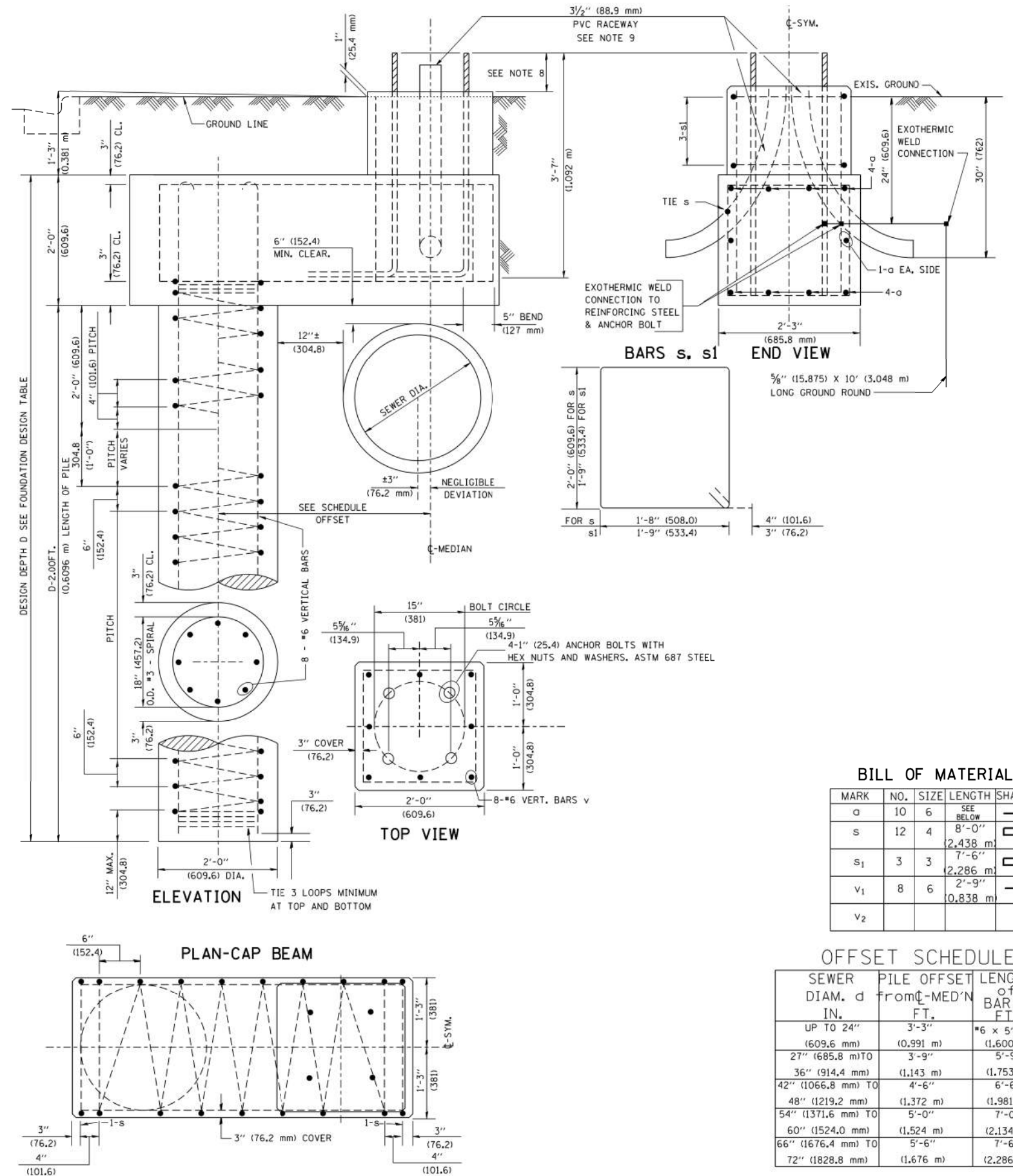
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	DATE - 02-12-2024	REVISED -

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
o	10	6	SEE BELOW	—
s	12	4	8'-0" 2,438 m	□
s1	3	3	7'-6" 2,286 m	□
v1	8	6	2'-9" 0,838 m	—
v2				

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET FROM C-MED'N FT.	LENGTH OF BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO	3'-9" (1.143 m)	5'-9" (1.753 m)
36" (914.4 mm) TO	4'-6" (1.372 m)	6'-6" (1.981 m)
42" (1066.8 mm) TO	5'-0" (1.524 m)	7'-0" (2.134 m)
48" (1219.2 mm) TO	5'-6" (1.676 m)	7'-6" (2.286 m)
54" (1371.6 mm) TO	6'-0" (1.828 m)	
60" (1524.0 mm) TO		
66" (1676.4 mm) TO		
72" (1828.8 mm)		

MODEL: 400RELNAME5  
FILE NAME: SEE LISTS

AMES Engineering, Inc.  
CONSULTING ENGINEERS  
6330 Belmont Road, Suite 4B  
Downers Grove, IL 60516

USER NAME = \$USERS	DESIGNED - MH	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - SR	REVISED -
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	DATE - 02-12-2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

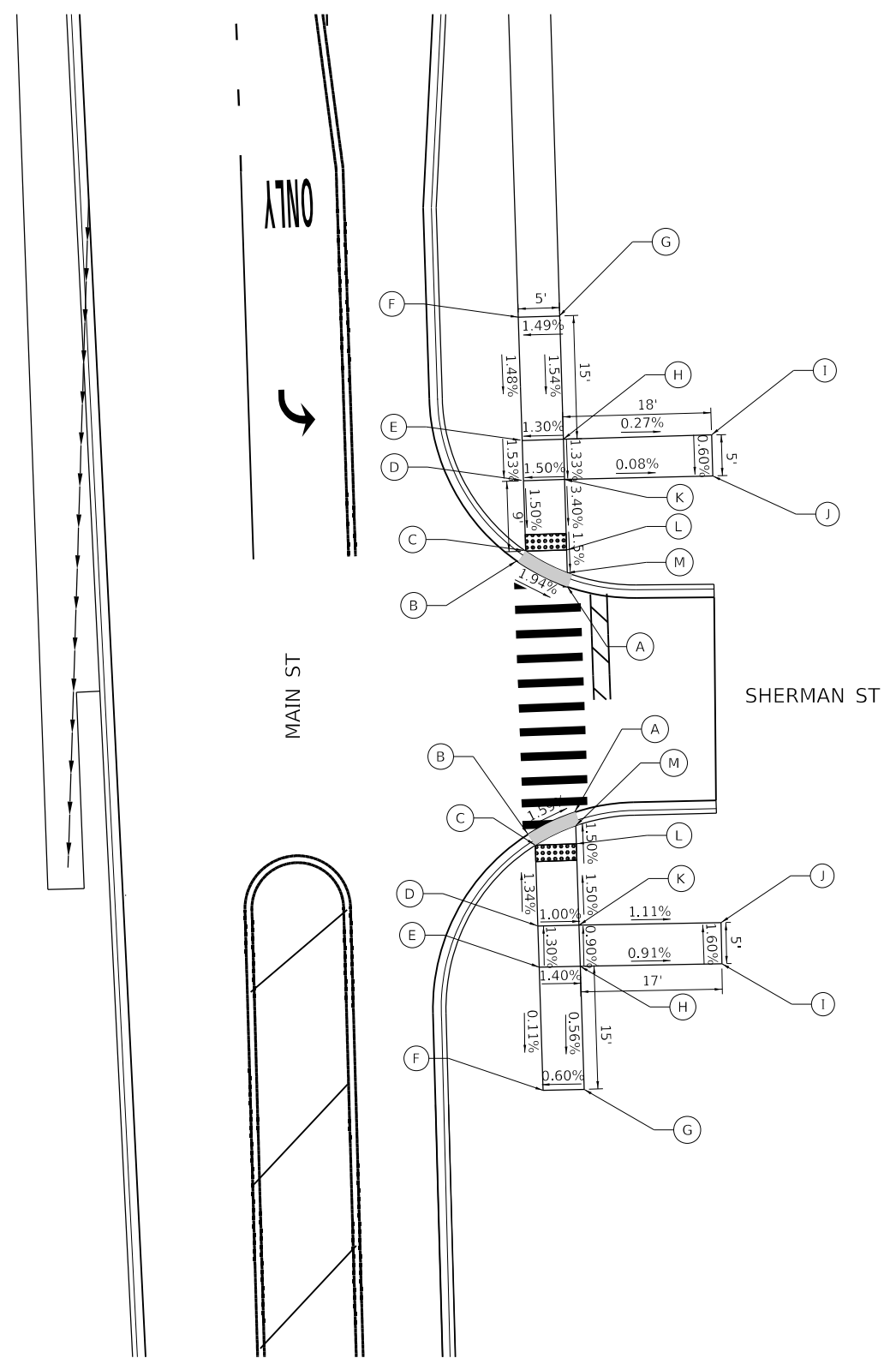
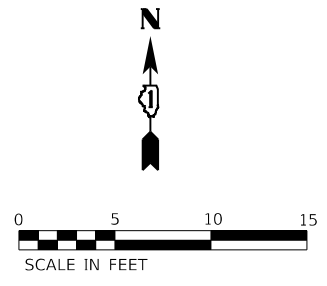
LIGHT POLE FOUNDATION OFFSET  
MAIN STREET - DOWNERS GROVE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	50
CONTRACT NO. 61K33				
ILLINOIS FED. AID PROJECT				







ADA DETAILS AT NE CORNER  
OF MAIN ST & SHERMAN ST

	STATION	OFFSET	ELEVATION
A	44+71.56	33.80' RT	736.23
B	44+74.74	27.89' RT	736.36
C	44+76.02	28.82' RT	736.35
D	44+84.60	28.78' RT	736.48
E	44+89.49	28.76' RT	736.55
F	45+04.49	28.69' RT	736.78
G	45+04.51	33.72' RT	736.85
H	44+89.51	33.76' RT	736.62
I	44+89.54	51.80' RT	(736.57)
J	44+84.55	51.80' RT	(736.54)
K	44+84.62	33.78' RT	736.55
L	44+76.03	33.78' RT	736.26
M	44+73.26	33.79' RT	736.22

(EX ELEVATION)

ADA DETAILS AT SE CORNER  
OF MAIN ST & SHERMAN ST

	STATION	OFFSET	ELEVATION
A	44+44.18	33.90' RT	736.25
B	44+41.61	28.17' RT	736.35
C	44+40.25	28.98' RT	736.34
D	44+30.42	29.03' RT	736.47
E	44+25.42	29.05' RT	736.54
F	44+10.42	29.12' RT	(736.52)
G	44+10.41	34.12' RT	(736.55)
H	44+25.37	34.05' RT	736.47
I	44+25.23	51.28' RT	(736.31)
J	44+30.23	51.33' RT	(736.23)
K	44+30.38	34.03' RT	736.42
L	44+40.27	33.98' RT	736.27
M	44+42.49	33.97' RT	736.24

(EX ELEVATION)

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 HRG PROJ CONTACT:  
 FILE NAME: 220229\_ADA\_02.dgn  
 PLOT DATE: 2/13/2024  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

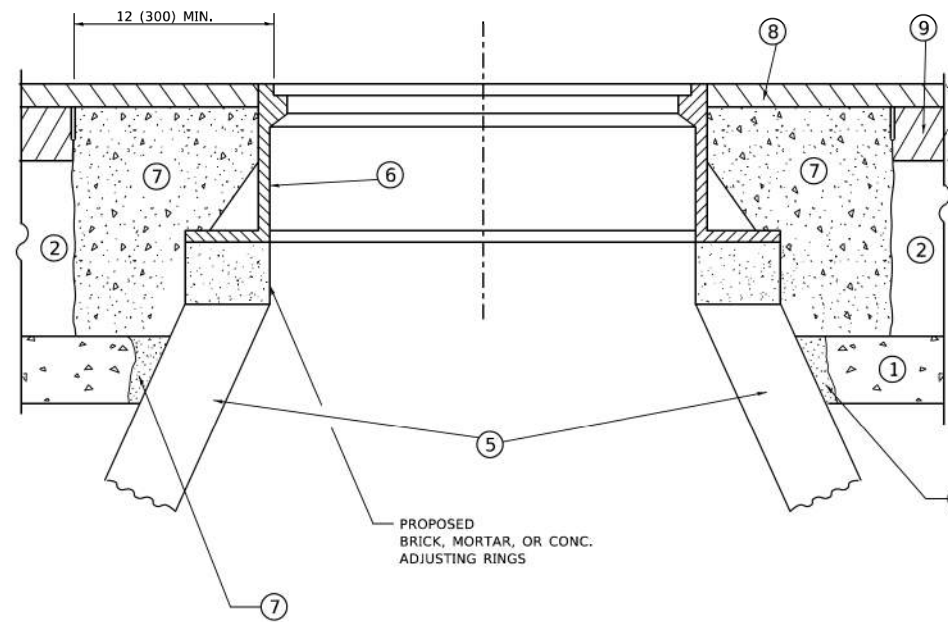
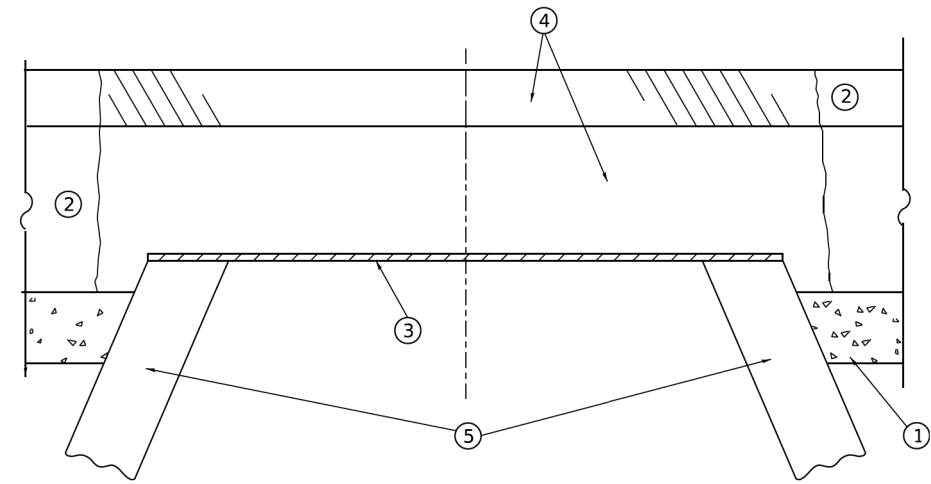
**SIDEWALK RAMP DETAILS  
MAIN STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	52
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K33	







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

**NOTES**

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

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

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

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES**

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

**BASIS OF PAYMENT**

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Detail  
FILE: D:\BID\12-22-11\12-22-11-008.dgn



USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

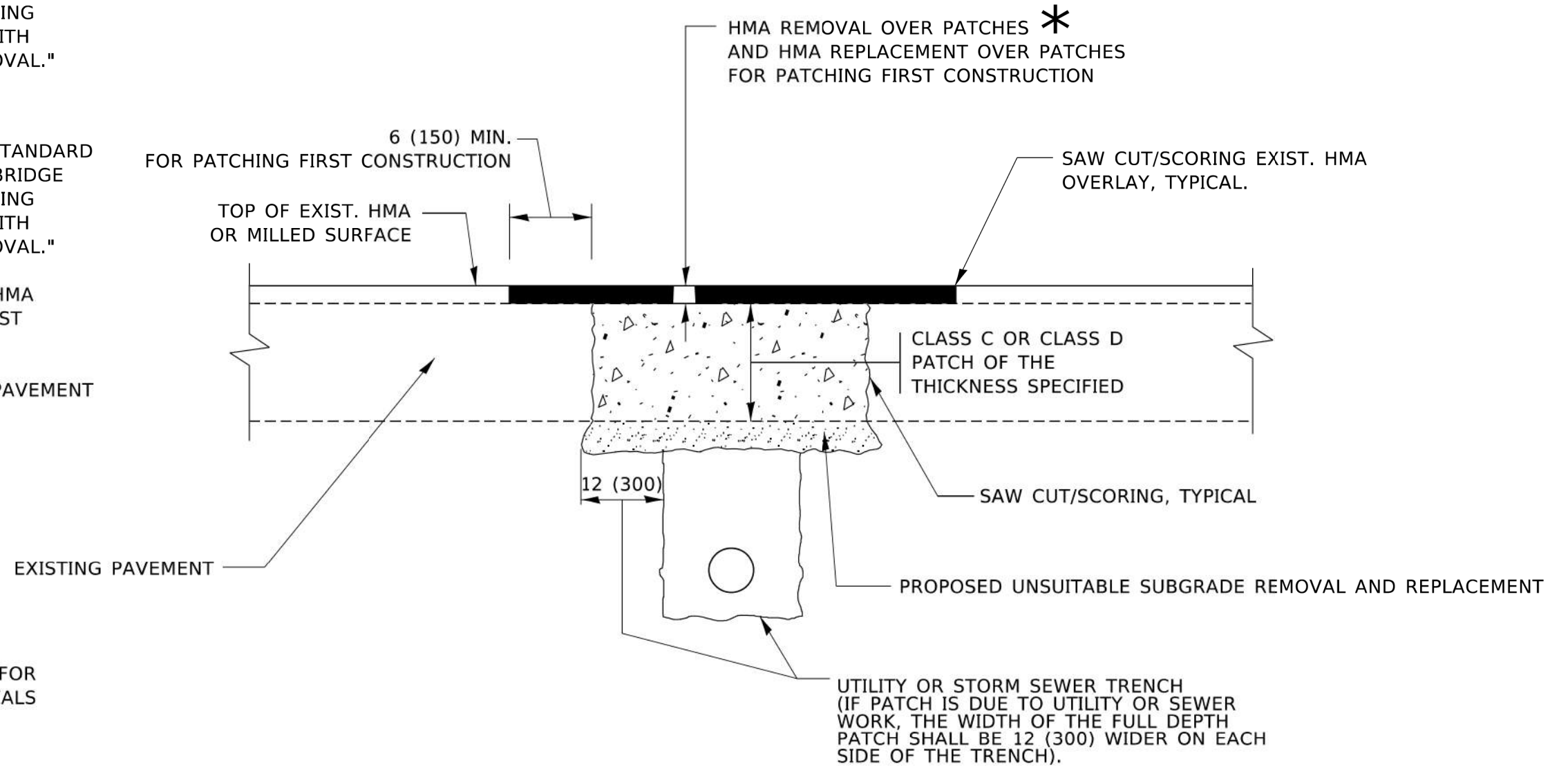
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	54
BD600-03 (BD-08)		CONTRACT NO. 61K33		
ILLINOIS FED. AID PROJECT				

**METHOD OF MEASUREMENT**

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

**BASIS OF PAYMENT**

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL: Default  
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 HRGreen

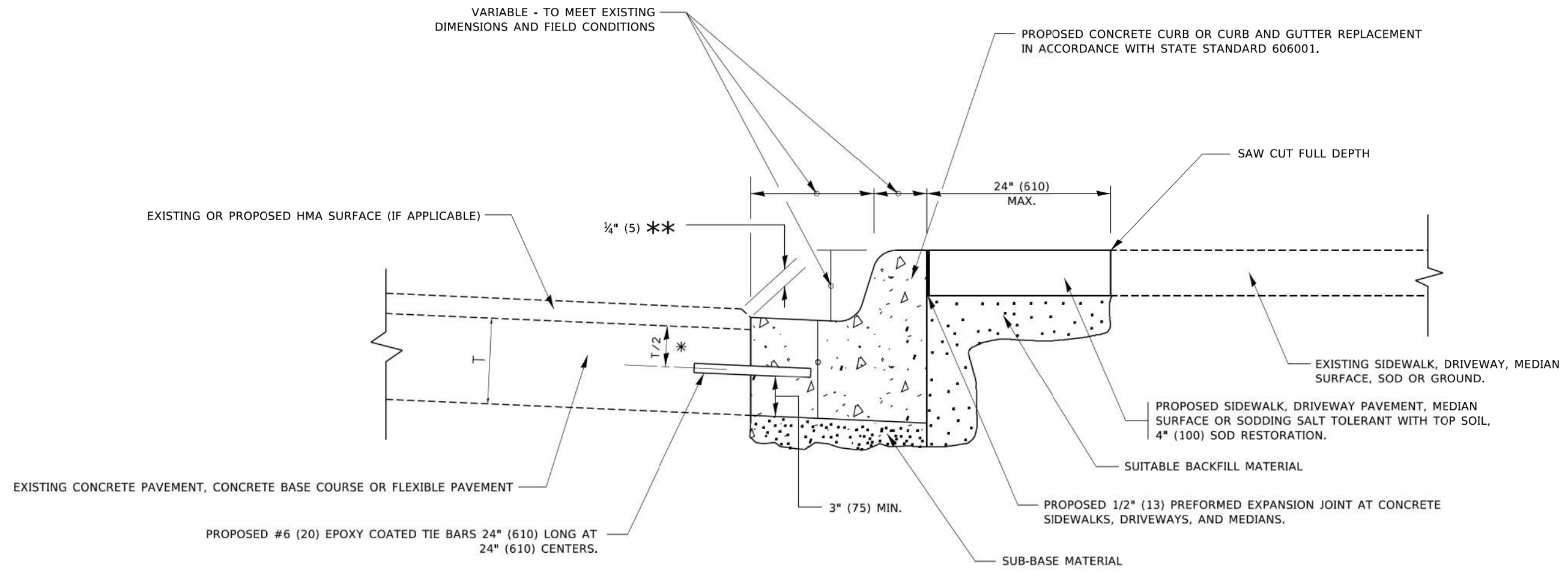
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		DRAWN -	REVISED - R. BORO 09-04-07
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. ENG 10-27-08
	PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	55
BD400-04 (BD-22)			CONTRACT NO. 61K33	
ILLINOIS FED. AID PROJECT				



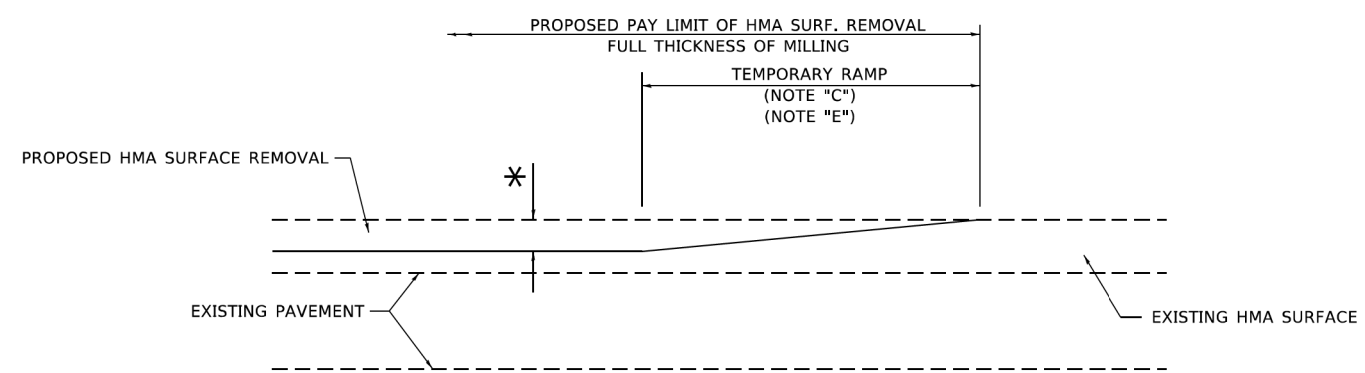
- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

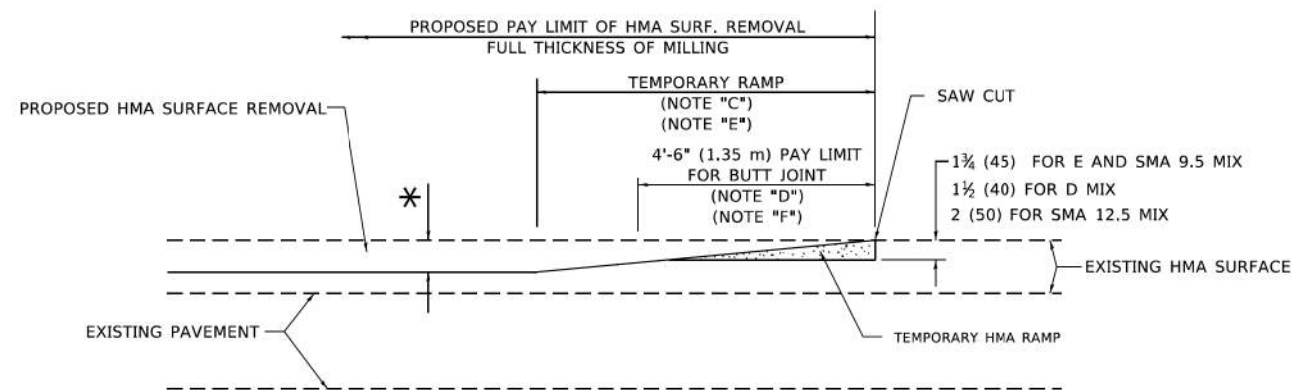
	HRGreen.com <small>Illinois Professional Design Firm #184-001322</small>	USER NAME = footemj DESIGNED - A. HOUSEH DRAWN - PLOT SCALE = 50,0000' / 1" PLOT DATE = 7/11/2019	DESIGNED - A. HOUSEH DRAWN - CHECKED - DATE - 03-11-94	REVISED - A. ABBAS 03-21-97 REVISED - M. GOMEZ 01-22-01 REVISED - R. BORO 12-15-09 REVISED - K. SMITH 07-11-19	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>F.A.U. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>2615</td> <td>22-00118-00-PV</td> <td>DUPAGE</td> <td>76</td> <td>56</td> </tr> <tr> <td colspan="3" style="text-align: center;"><b>BD600-06 (BD-24)</b></td> <td colspan="2" style="text-align: right;">CONTRACT NO. 61K33</td> </tr> <tr> <td colspan="5" style="text-align: center;"><small>ILLINOIS FED. AID PROJECT</small></td> </tr> </table>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	2615	22-00118-00-PV	DUPAGE	76	56	<b>BD600-06 (BD-24)</b>			CONTRACT NO. 61K33		<small>ILLINOIS FED. AID PROJECT</small>				
	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																									
2615	22-00118-00-PV	DUPAGE	76	56																										
<b>BD600-06 (BD-24)</b>			CONTRACT NO. 61K33																											
<small>ILLINOIS FED. AID PROJECT</small>																														

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**MILLED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

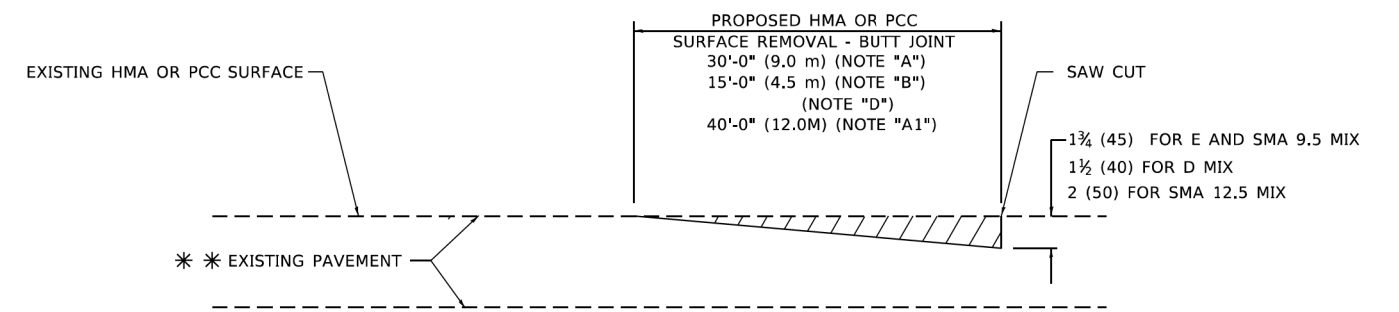
**OPTION 1**



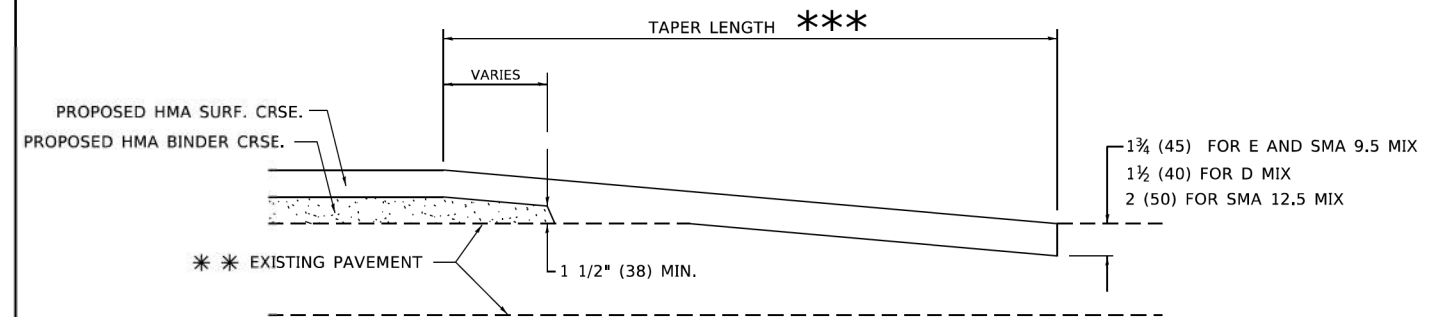
**HMA CONSTRUCTED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

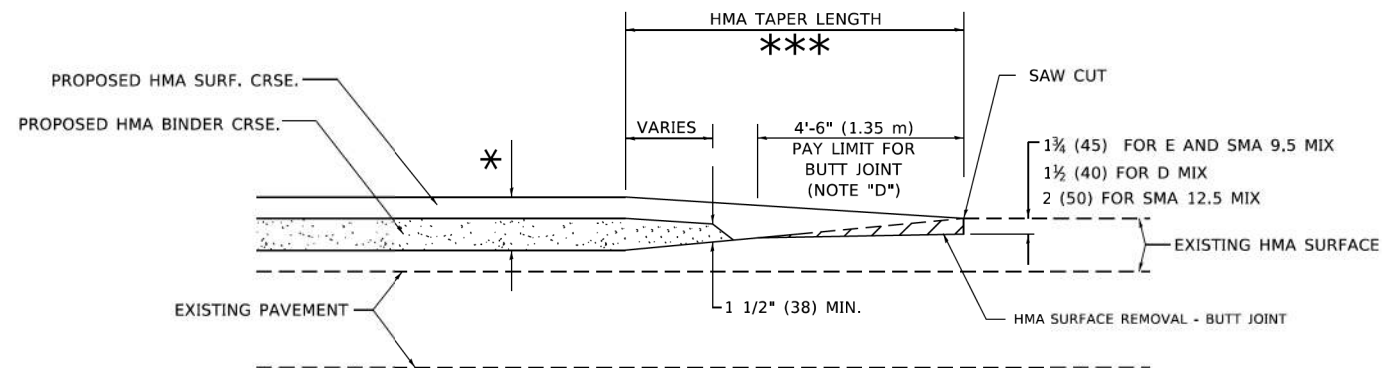
**GENERAL NOTES**

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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



**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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 PLOT DATE: 11/18/2022

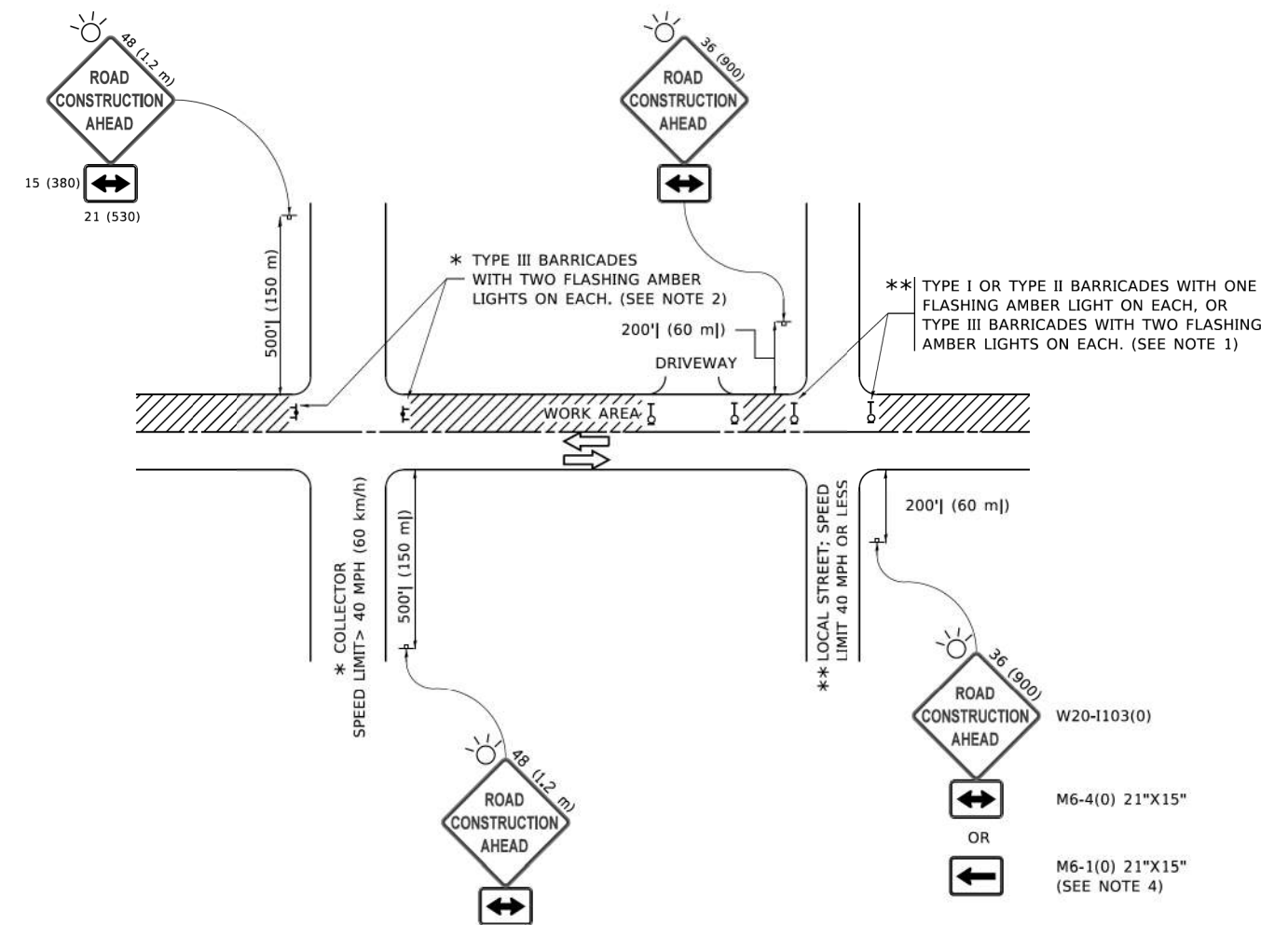
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND  
HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	57
<b>BD400-05 BD-32</b>			CONTRACT NO. 61K33	
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) 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. 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.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

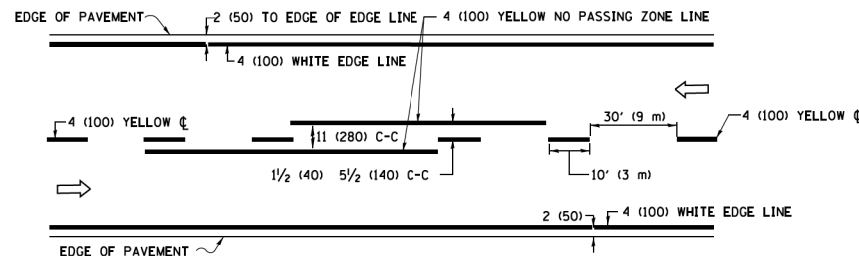
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

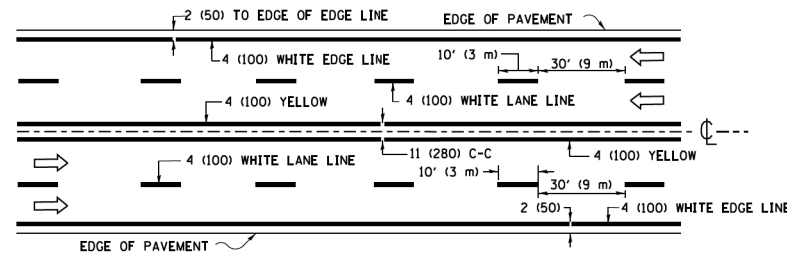
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	58
<b>TC-10</b>			<b>CONTRACT NO. 61K33</b>	
ILLINOIS FED. AID PROJECT				

USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

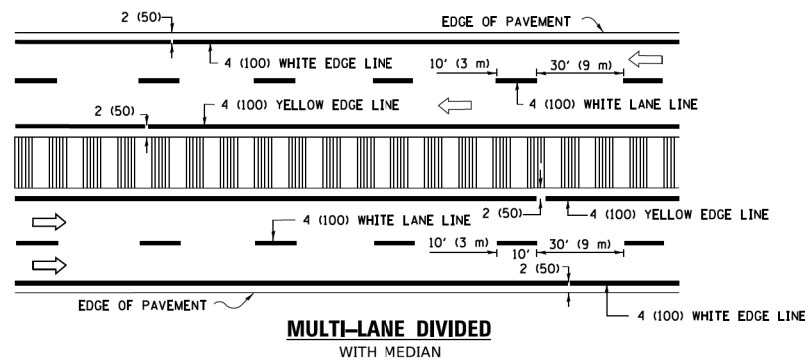




**2-LANE ROADWAY**

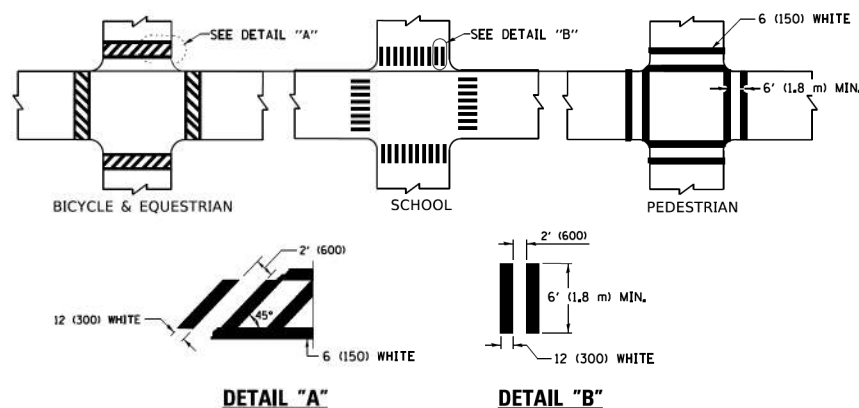


**MULTI-LANE UNDIVIDED**



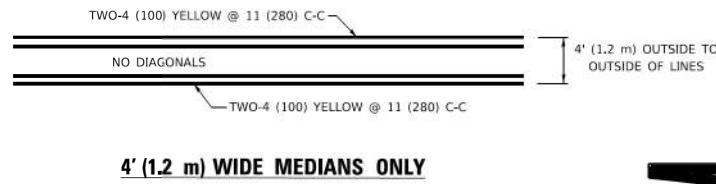
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

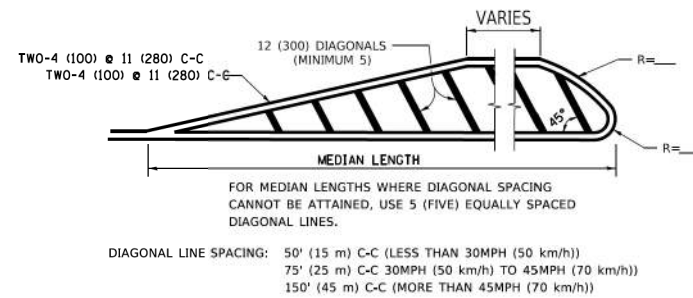


**TYPICAL CROSSWALK MARKING**

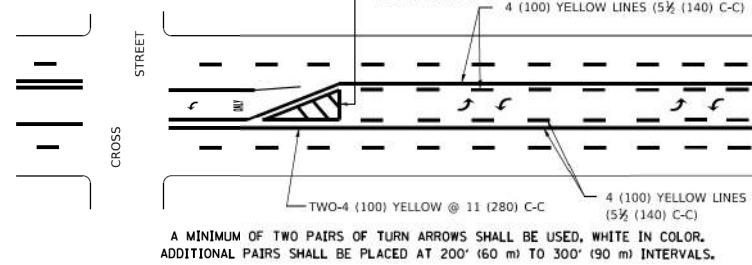
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



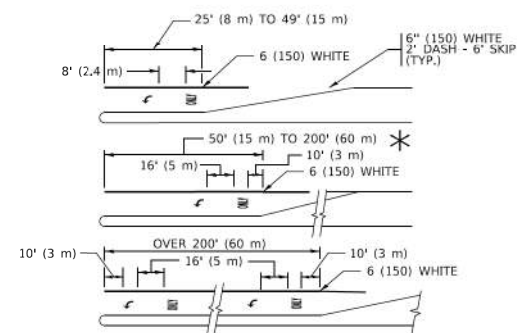
**4' (1.2 m) WIDE MEDIANS ONLY**



**MEDIANS OVER 4' (1.2 m) WIDE**

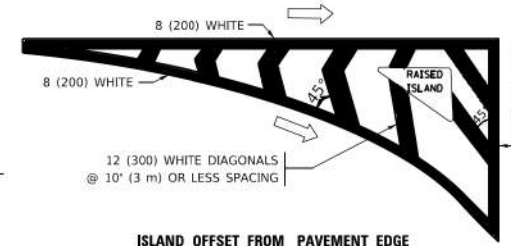


**MEDIAN WITH TWO-WAY LEFT TURN LANE  
TYPICAL PAINTED MEDIAN MARKING**

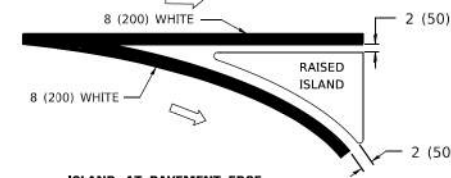


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE  
TYPICAL TURN LANE MARKING**

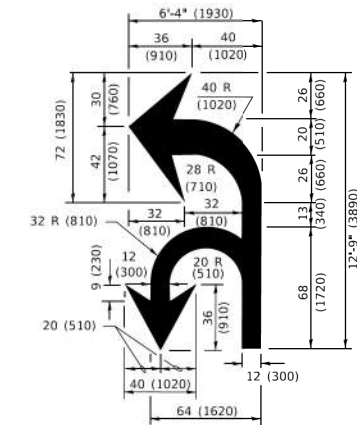


**ISLAND OFFSET FROM PAVEMENT EDGE**

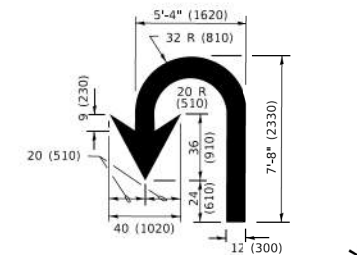


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8" (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8" (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 2' (600) APART @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) 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 (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH *X*=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

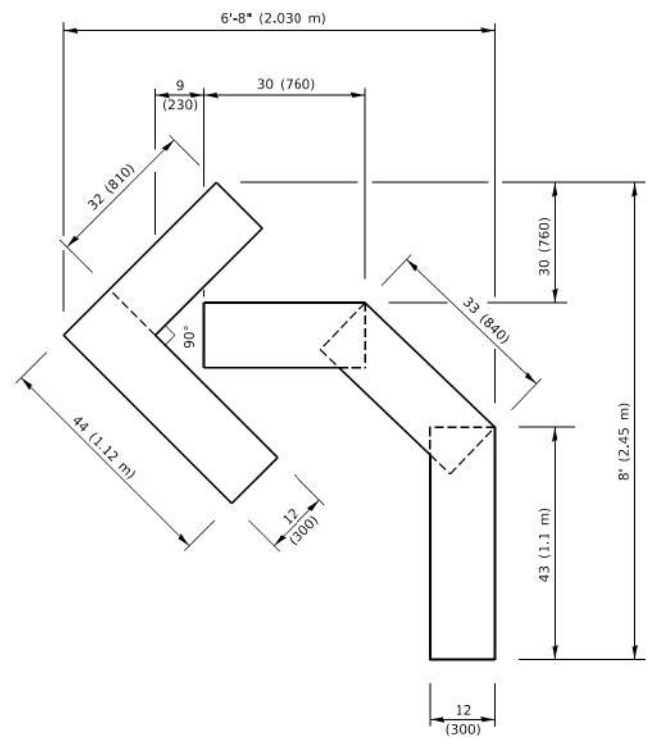
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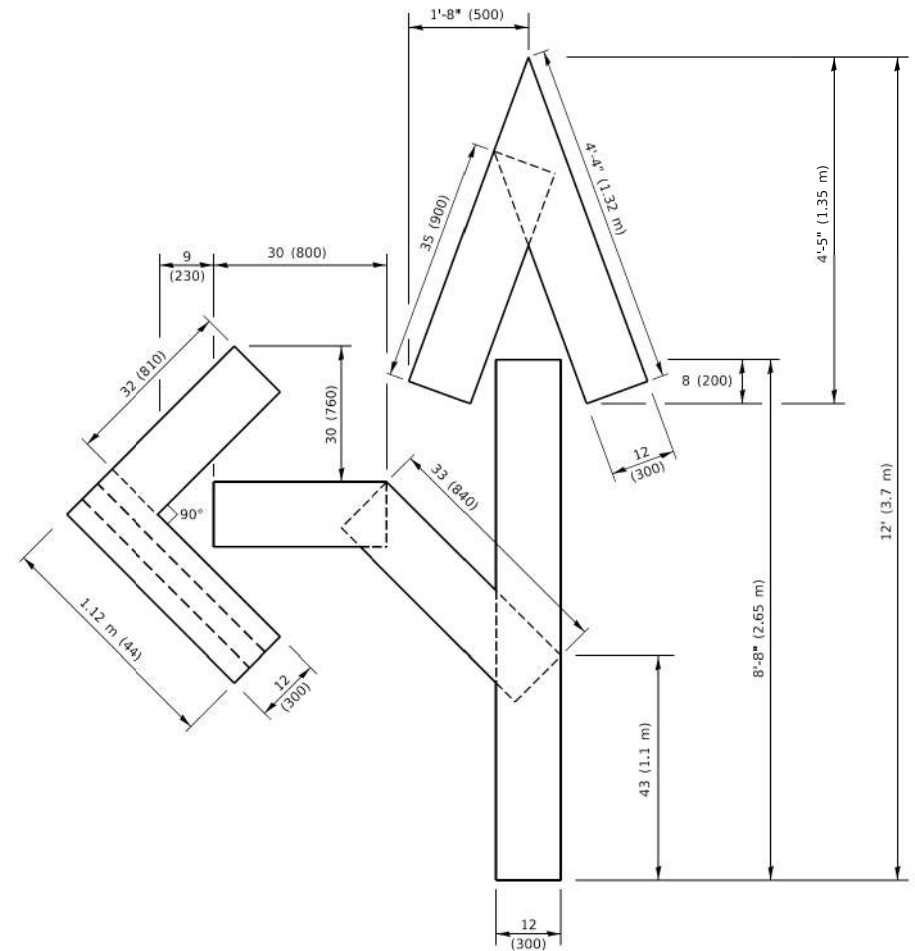
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		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

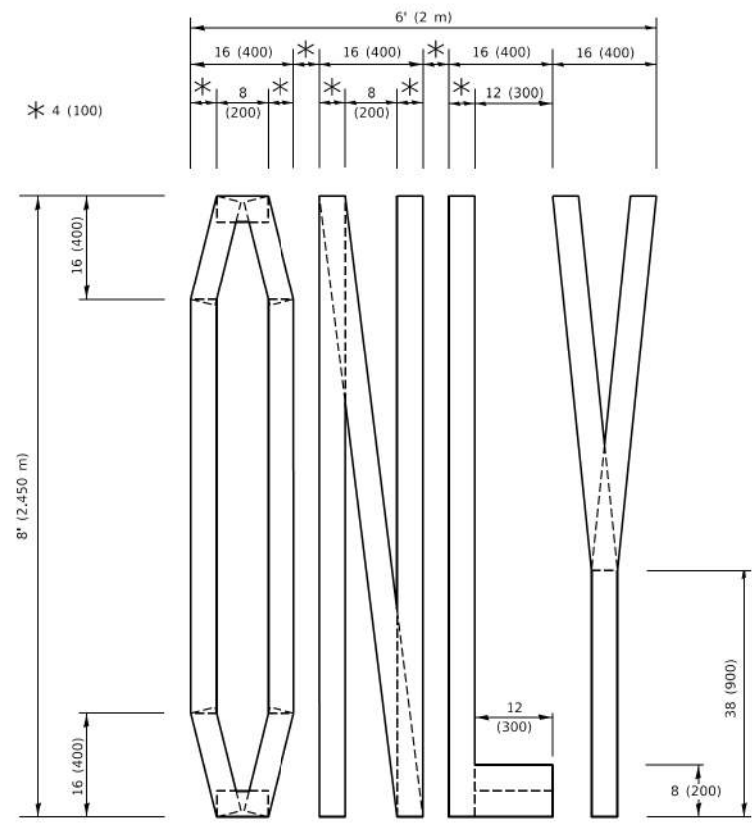
DISTRICT ONE		F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		2615	22-00118-00-PV	DUPAGE	76	59
SCALE: NONE		TC-13		CONTRACT NO. 61K33		
SHEET 1 OF 2 SHEETS		ILLINOIS		FED. AID PROJECT		



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

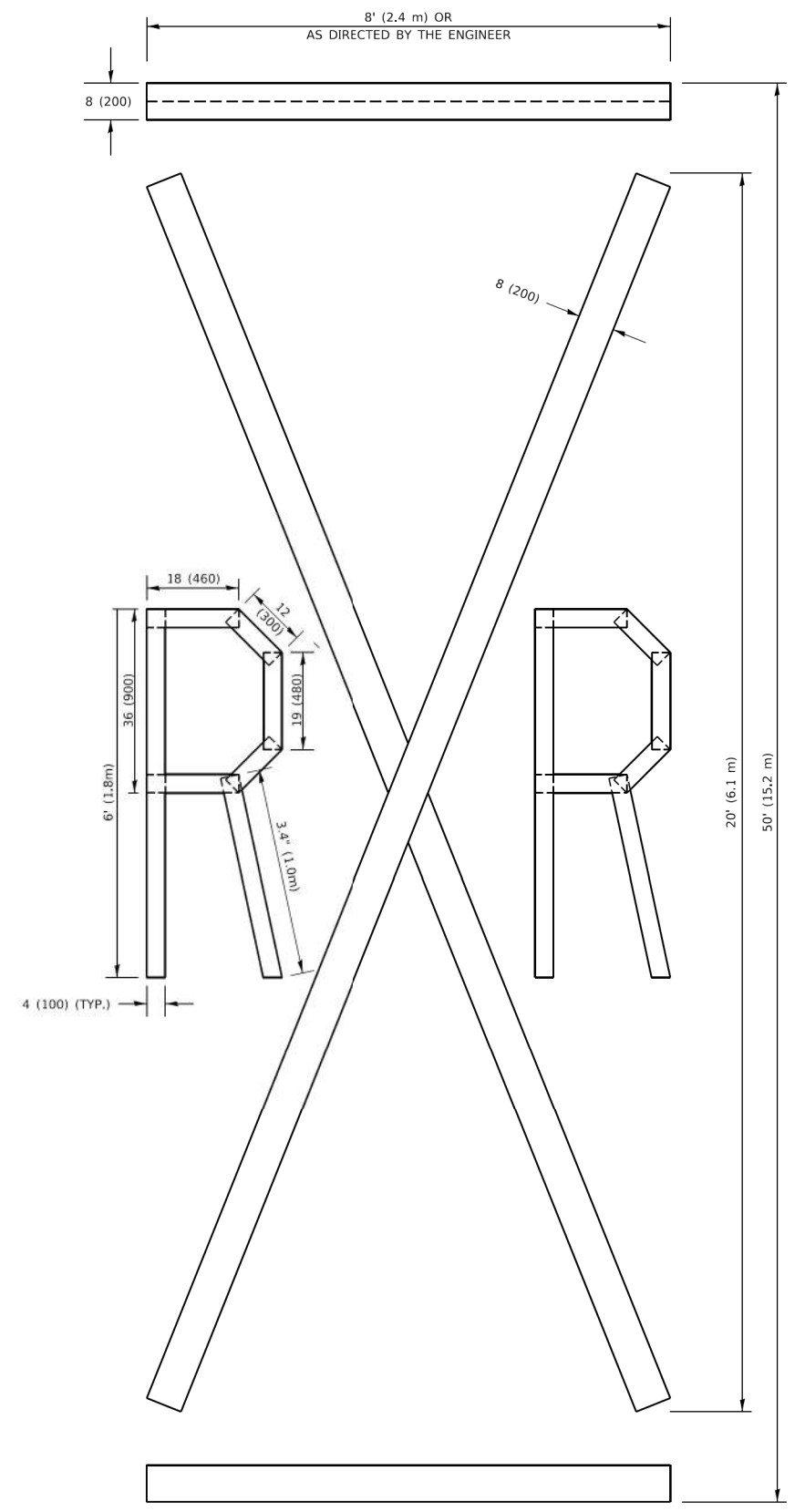


**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)



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

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



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

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

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 Illinois Professional Design Firm  
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USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	60
<b>TC-16</b>		CONTRACT NO. <b>61K33</b>		
ILLINOIS FED. AID PROJECT				



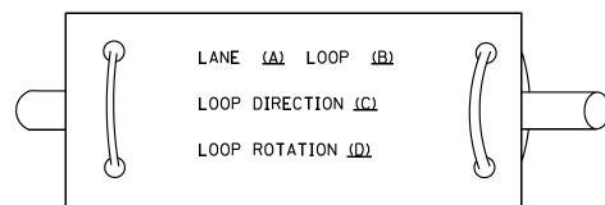




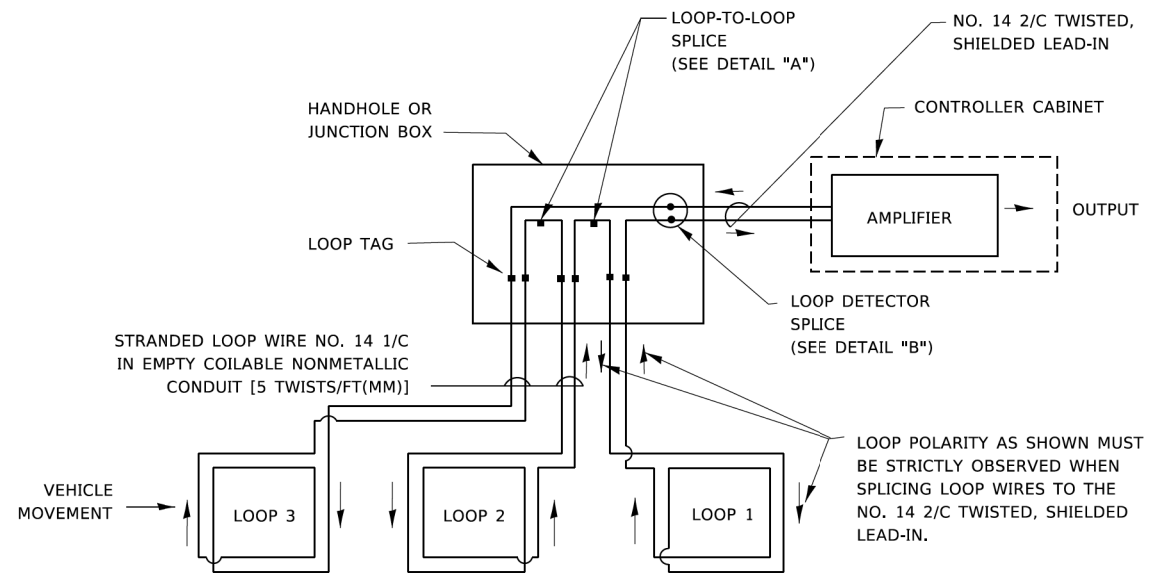
**LOOP DETECTOR NOTES**

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 DIVESHOLES 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.

**LOOP LEAD-IN CABLE TAG**

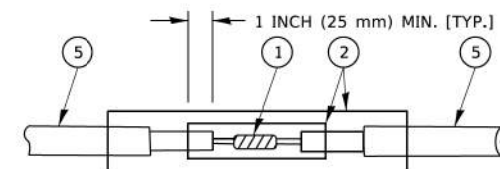


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

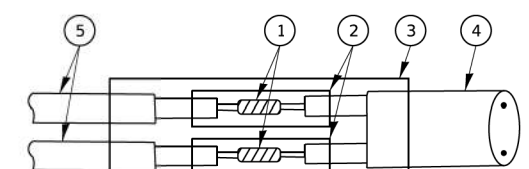


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

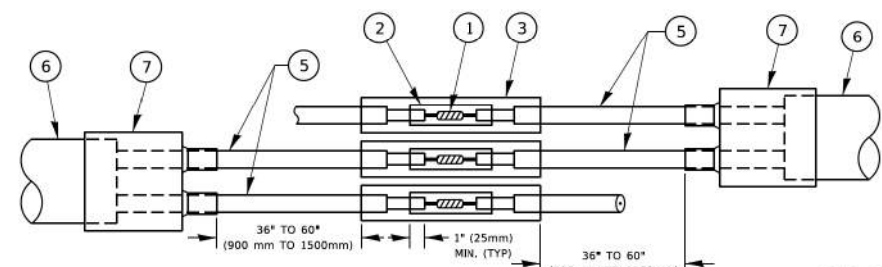


DETAIL "A"  
LOOP-TO-LOOP SPLICE

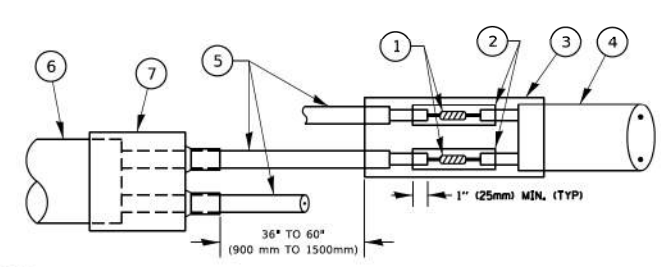


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**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 LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS.

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 HRGreen

HRGreen.com  
 Illinois Professional Design Firm  
 #184-001322

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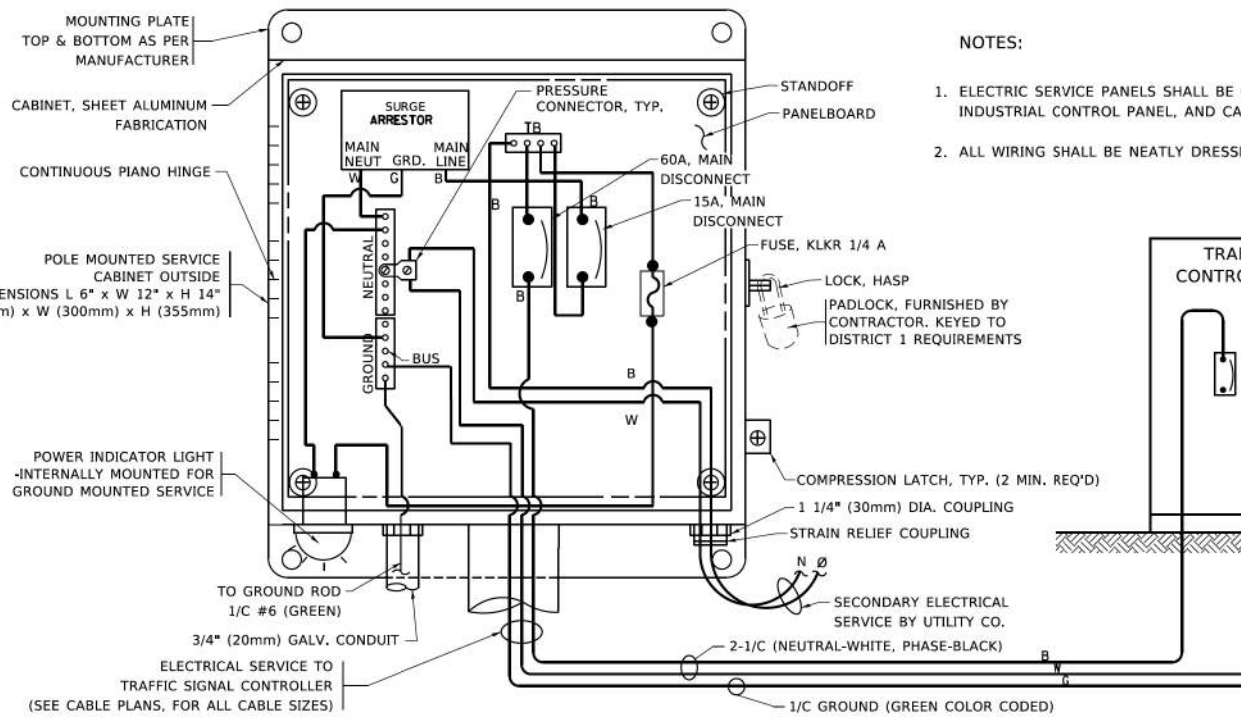
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

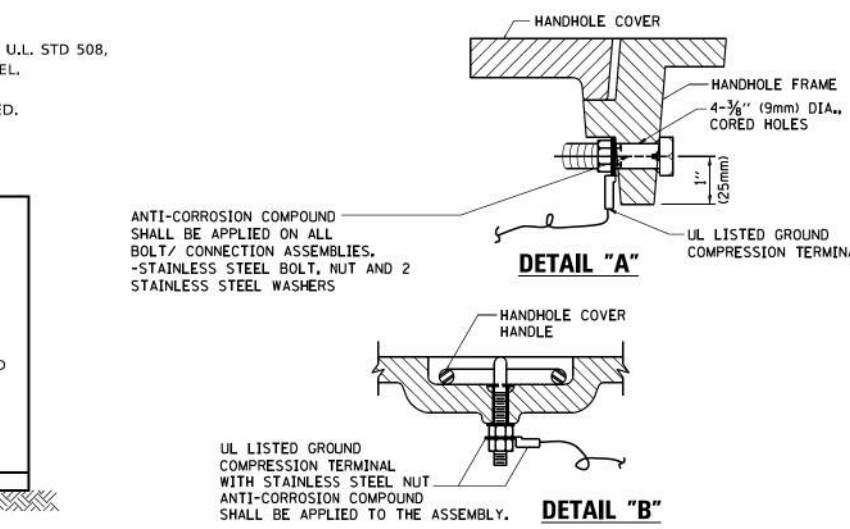
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F.A.U. RTE. 2615	SECTION 22-00118-00-PV	COUNTY DUPAGE	TOTAL SHEETS 76	SHEET NO. 63
TS-05			CONTRACT NO. 61K33	
ILLINOIS FED. AID PROJECT				

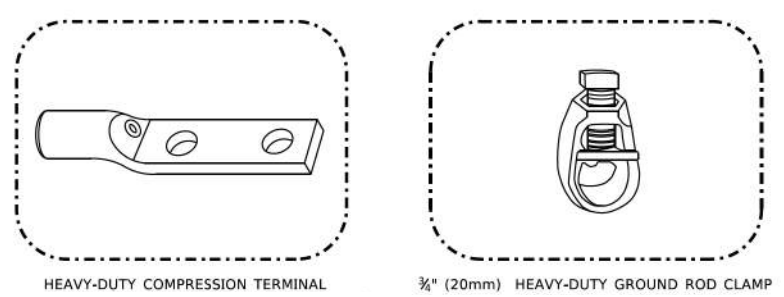
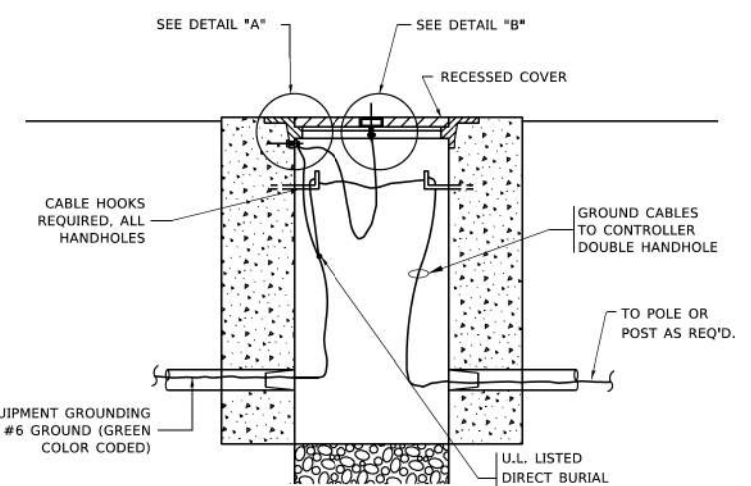




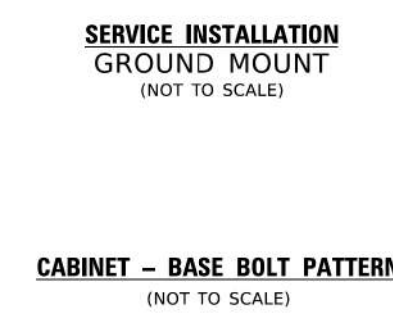
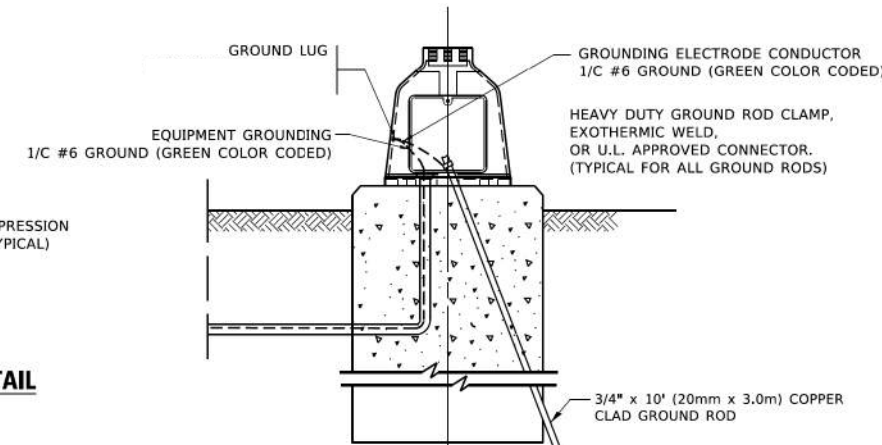
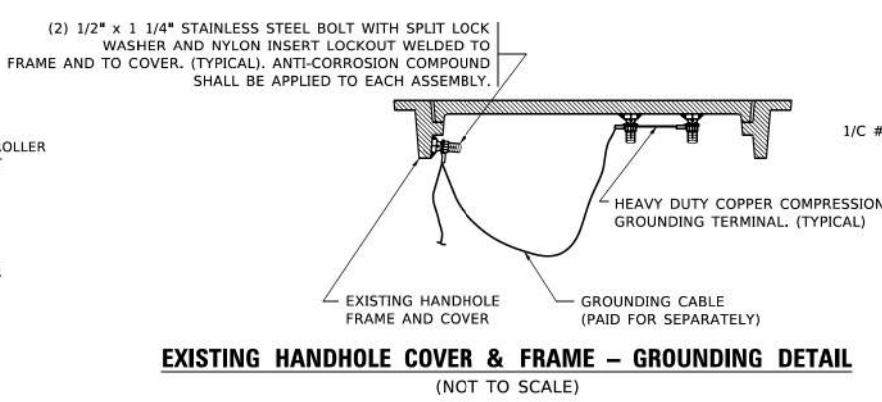
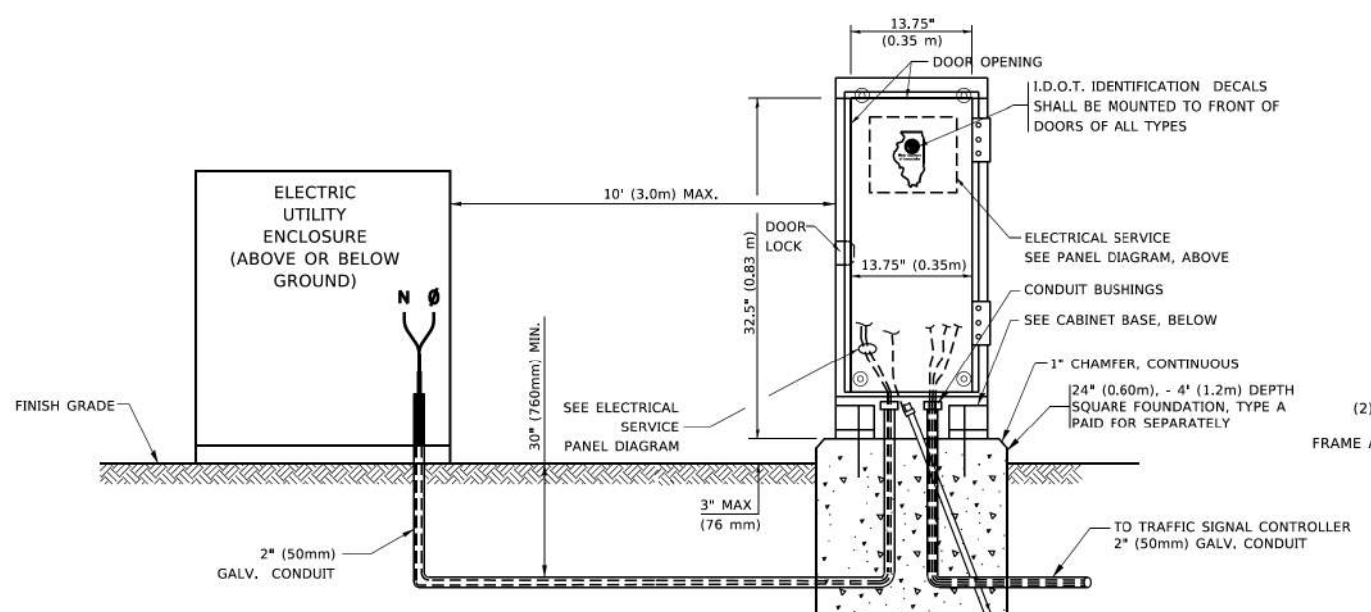
**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



- 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.



- 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.



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 SHEET: 4 OF 7  
 DATE: 8/14/2023



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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

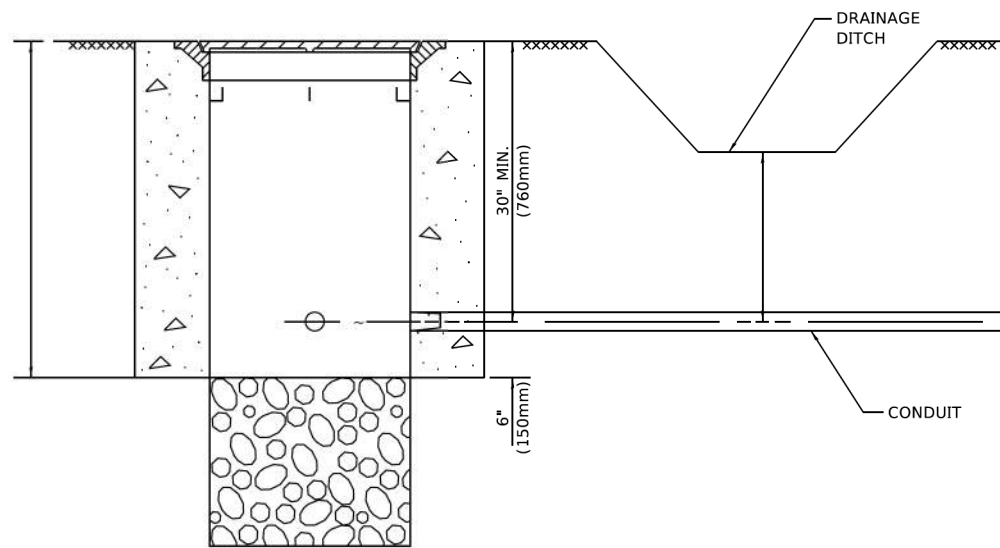
**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A.U. RTE. 2615	SECTION 22-00118-00-PV	COUNTY DUPAGE	TOTAL SHEETS 76	SHEET NO. 65
TS-05			CONTRACT NO. 61K33	
ILLINOIS / FED. AID PROJECT				

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



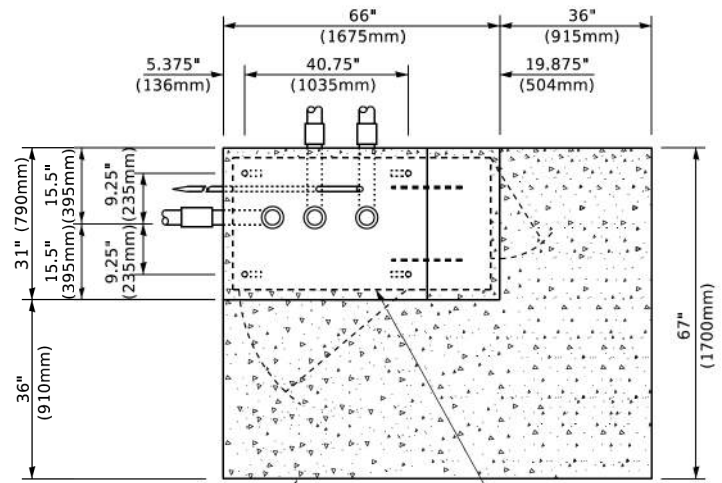




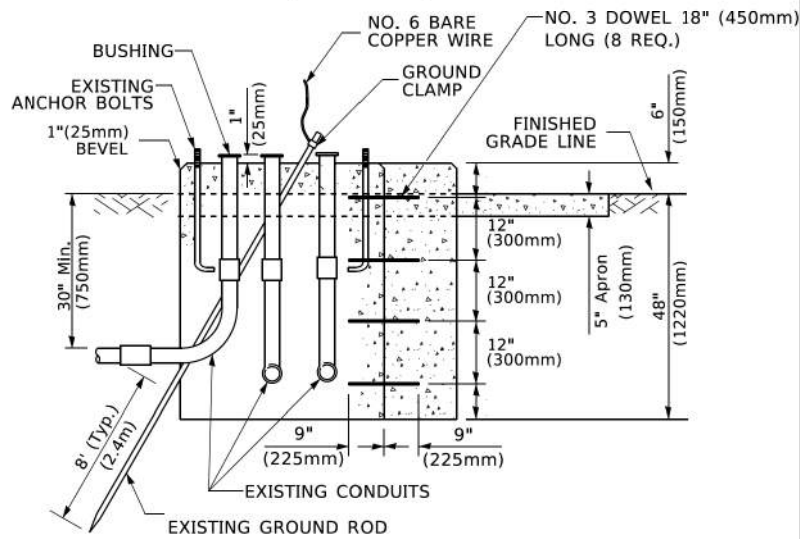
**NOTES:**

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.

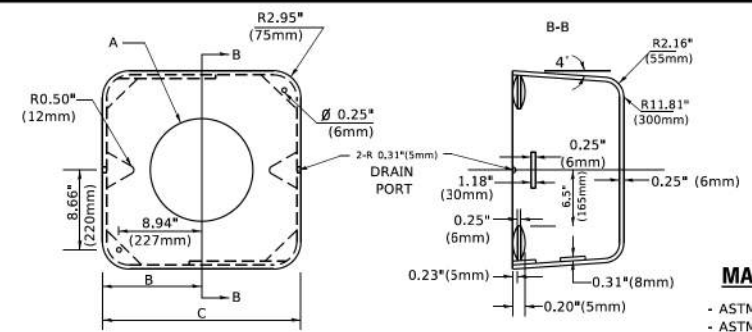
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**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)

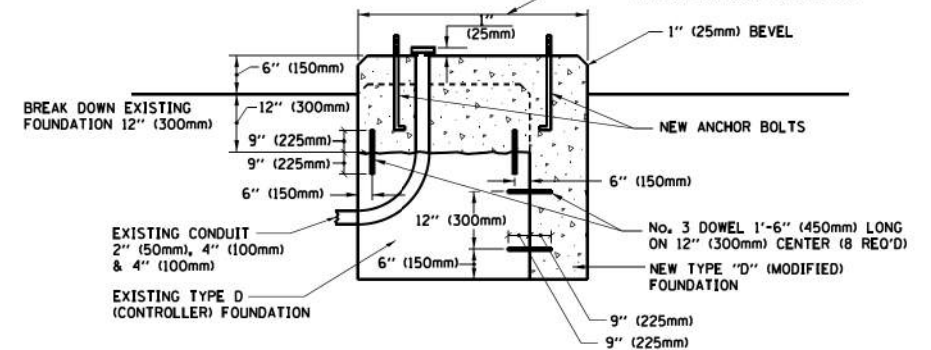
**SHROUD**

**NOTES:**

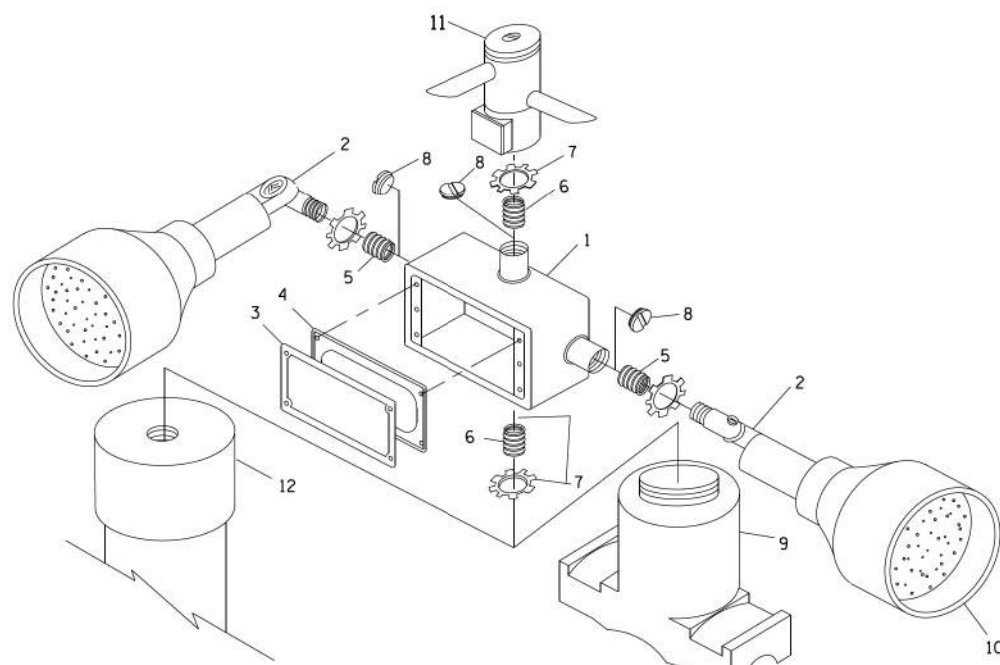
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**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**

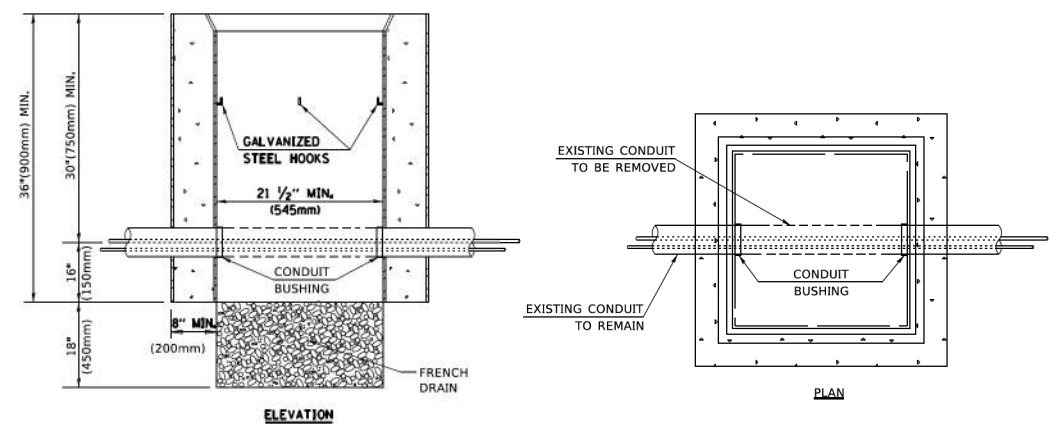


**POST CAP MOUNT**      **MAST ARM MOUNT**  
**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**

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	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (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. 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**

MODEL: Default HRGreen.com HRGreen  
FILE: C:\Users\jgarcia\OneDrive\Documents\DOT Office\Drawings\Projects\DRS\2023\24\CADD\HA\CAD\beacons\1505.dgn  
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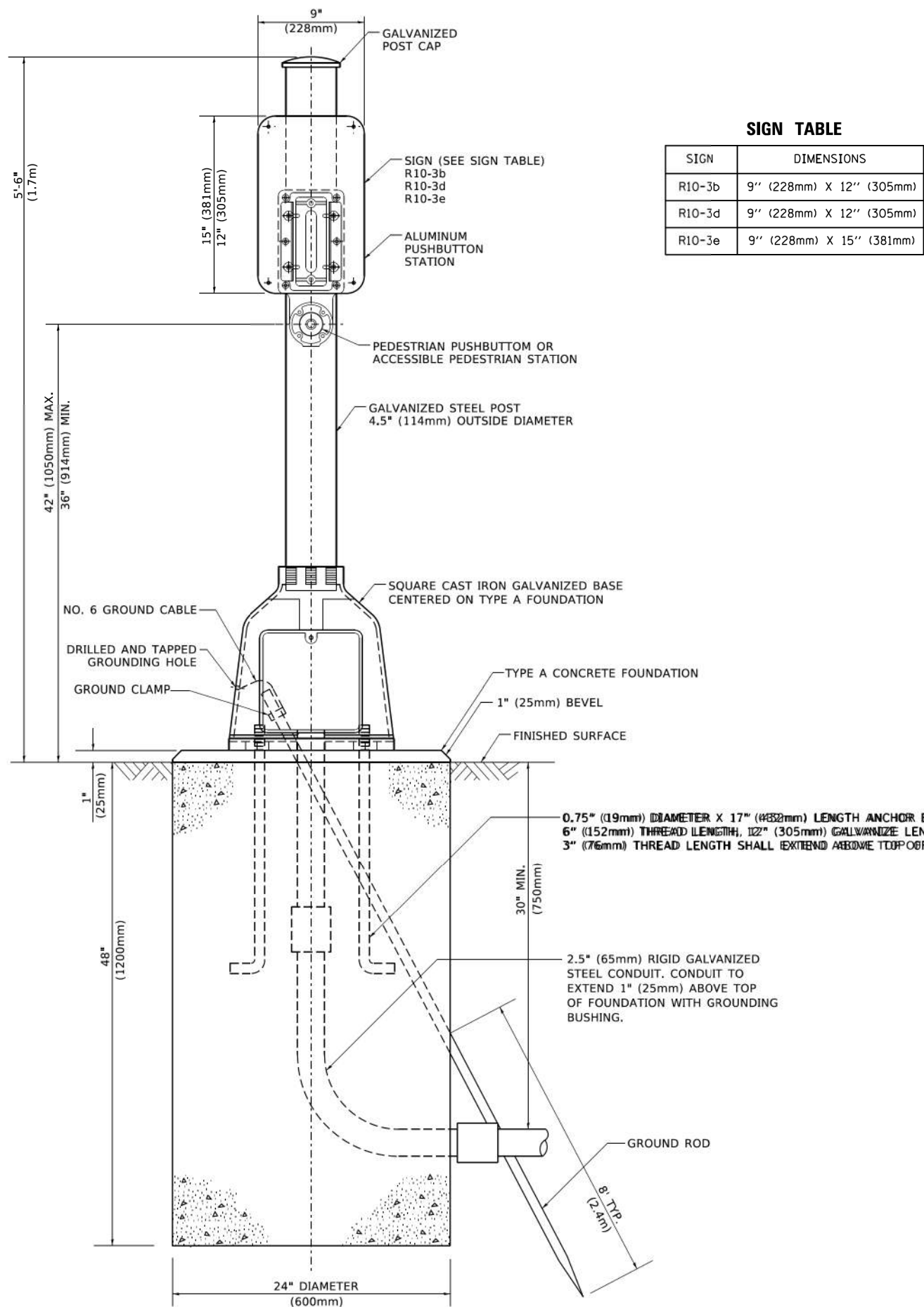
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

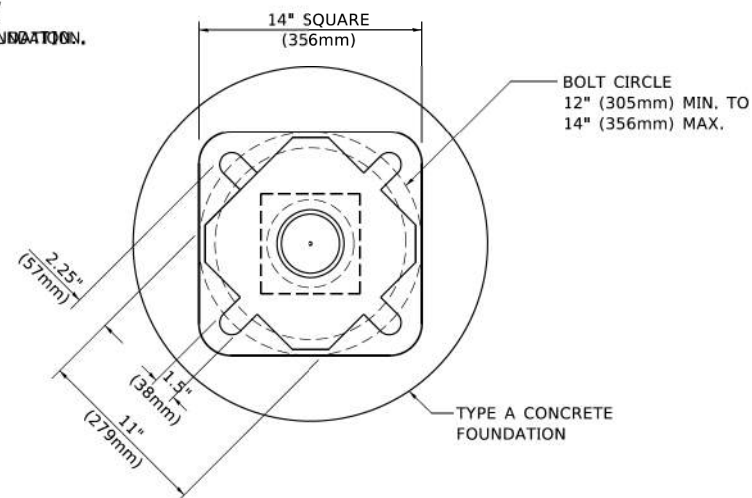
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F.A.U. RTE. 2615	SECTION 22-00118-00-PV	COUNTY DUPAGE	TOTAL SHEETS 76	SHEET NO. 67
TS-05		CONTRACT NO. 61K33		
ILLINOIS FED. AID PROJECT				



**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



**BOLT PATTERN**

**PEDESTRIAN PUSH BUTTON POST, TYPE A**

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HRGreen.com  
 Illinois Professional Design Firm  
 #184-001322

USER NAME = footemj	DESIGNED - JJS	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

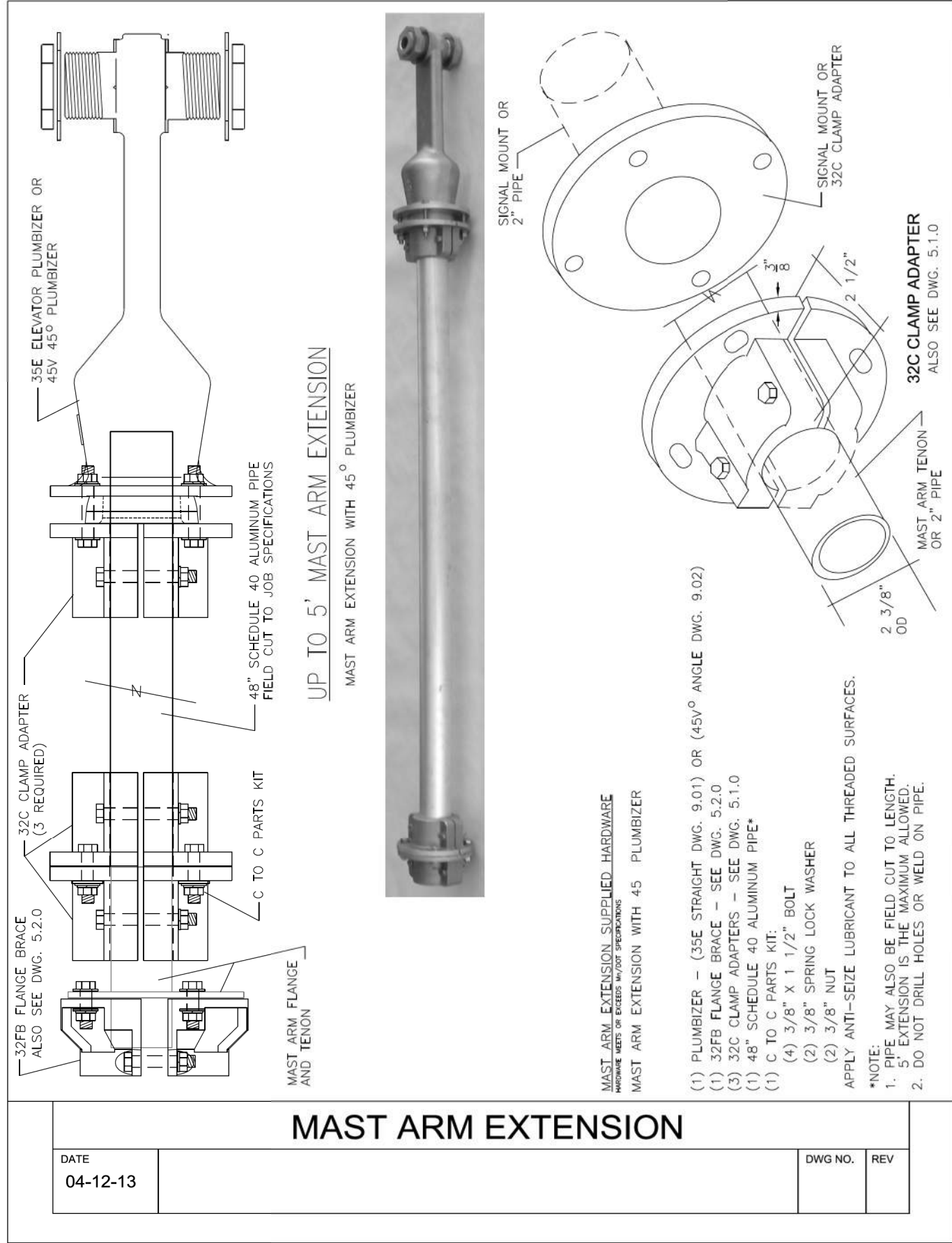
**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	68
TS-05			CONTRACT NO. 61K33	
ILLINOIS FED. AID PROJECT				



HRG PROJECT NO: 2202291  
 HRG PROJ CONTACT:  
 FILE NAME: 2202291-shr-detailed-concrete-bolts.dwg  
 PEN TABLE: 01/10/2024



### MAST ARM EXTENSION

DATE  
04-12-13

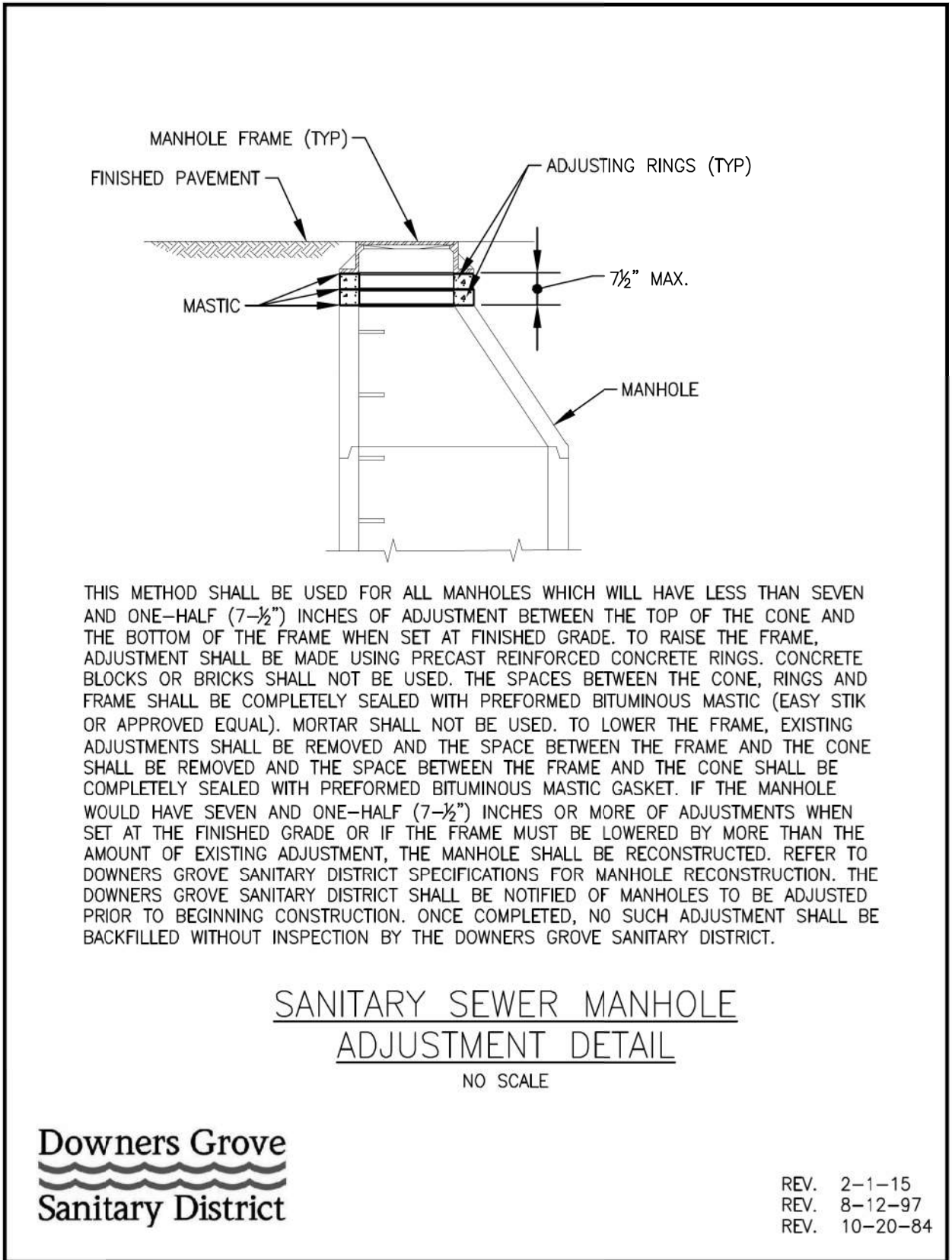
DWG NO. REV

MAST ARM EXTENSION SUPPLIED HARDWARE  
 HARDWARE MEETS OR EXCEEDS ANY DOT SPECIFICATIONS  
 MAST ARM EXTENSION WITH 45° PLUMBIZER

- (1) PLUMBIZER - (35E STRAIGHT DWG. 9.01) OR (45V° ANGLE DWG. 9.02)
- (1) 32FB FLANGE BRACE - SEE DWG. 5.2.0
- (3) 32C CLAMP ADAPTERS - SEE DWG. 5.1.0
- (1) 48" SCHEDULE 40 ALUMINUM PIPE\*
- (1) C TO C PARTS KIT:
- (4) 3/8" X 1 1/2" BOLT
- (2) 3/8" SPRING LOCK WASHER
- (2) 3/8" NUT

APPLY ANTI-SEIZE LUBRICANT TO ALL THREADED SURFACES.

- \*NOTE:
1. PIPE MAY ALSO BE FIELD CUT TO LENGTH. 5' EXTENSION IS THE MAXIMUM ALLOWED.
  2. DO NOT DRILL HOLES OR WELD ON PIPE.



THIS METHOD SHALL BE USED FOR ALL MANHOLES WHICH WILL HAVE LESS THAN SEVEN AND ONE-HALF (7-1/2") INCHES OF ADJUSTMENT BETWEEN THE TOP OF THE CONE AND THE BOTTOM OF THE FRAME WHEN SET AT FINISHED GRADE. TO RAISE THE FRAME, ADJUSTMENT SHALL BE MADE USING PRECAST REINFORCED CONCRETE RINGS. CONCRETE BLOCKS OR BRICKS SHALL NOT BE USED. THE SPACES BETWEEN THE CONE, RINGS AND FRAME SHALL BE COMPLETELY SEALED WITH PREFORMED BITUMINOUS MASTIC (EASY STIK OR APPROVED EQUAL). MORTAR SHALL NOT BE USED. TO LOWER THE FRAME, EXISTING ADJUSTMENTS SHALL BE REMOVED AND THE SPACE BETWEEN THE FRAME AND THE CONE SHALL BE REMOVED AND THE SPACE BETWEEN THE FRAME AND THE CONE SHALL BE COMPLETELY SEALED WITH PREFORMED BITUMINOUS MASTIC GASKET. IF THE MANHOLE WOULD HAVE SEVEN AND ONE-HALF (7-1/2") INCHES OR MORE OF ADJUSTMENTS WHEN SET AT THE FINISHED GRADE OR IF THE FRAME MUST BE LOWERED BY MORE THAN THE AMOUNT OF EXISTING ADJUSTMENT, THE MANHOLE SHALL BE RECONSTRUCTED. REFER TO DOWNERS GROVE SANITARY DISTRICT SPECIFICATIONS FOR MANHOLE RECONSTRUCTION. THE DOWNERS GROVE SANITARY DISTRICT SHALL BE NOTIFIED OF MANHOLES TO BE ADJUSTED PRIOR TO BEGINNING CONSTRUCTION. ONCE COMPLETED, NO SUCH ADJUSTMENT SHALL BE BACKFILLED WITHOUT INSPECTION BY THE DOWNERS GROVE SANITARY DISTRICT.

### SANITARY SEWER MANHOLE ADJUSTMENT DETAIL

NO SCALE

**Downers Grove  
Sanitary District**

REV. 2-1-15  
 REV. 8-12-97  
 REV. 10-20-84

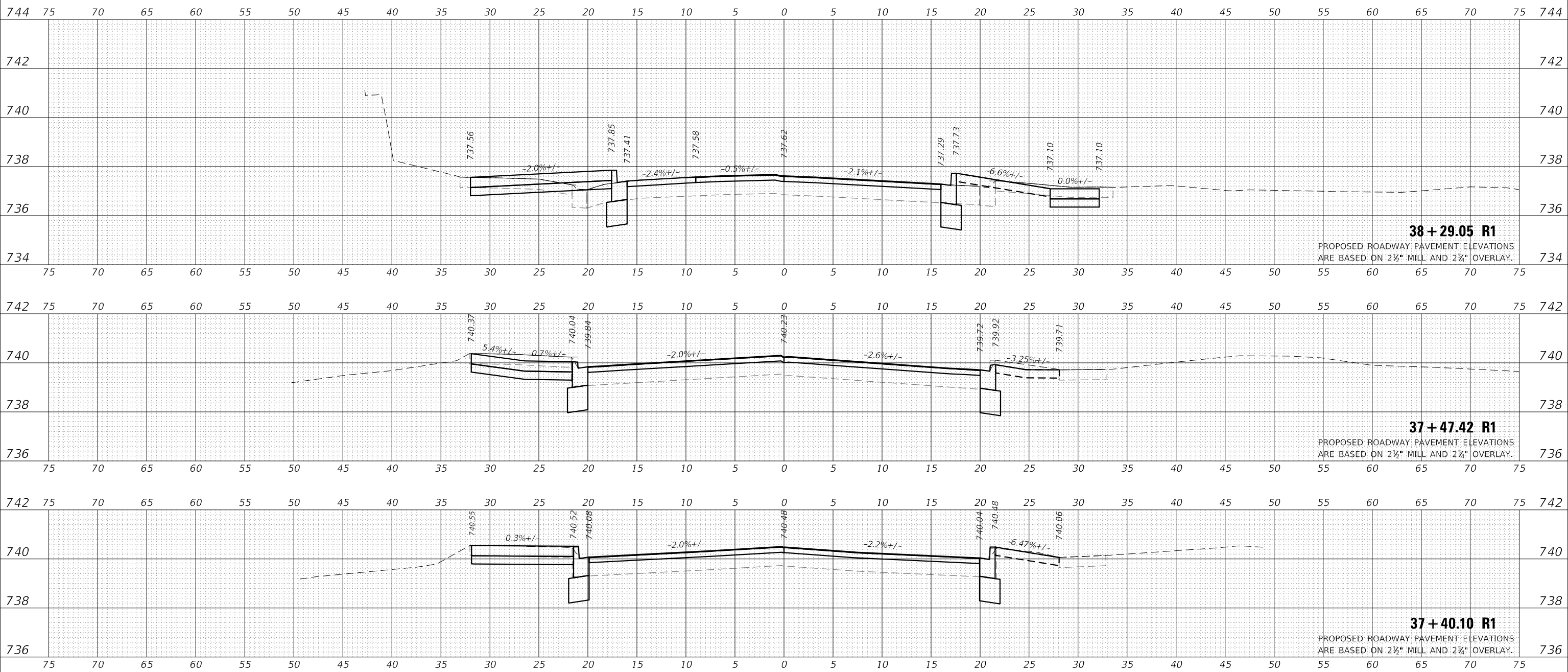
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2615	22-00118-00-PV	DUPAGE	76	69
CONTRACT NO. 61K33				
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>MAIN STREET CROSS SECTIONS</b>	
SCALE: H:5 V:2	SHEET 1 OF 7 SHEETS
STA. 37+40.10 R1 TO STA. 38+29.05 R1	

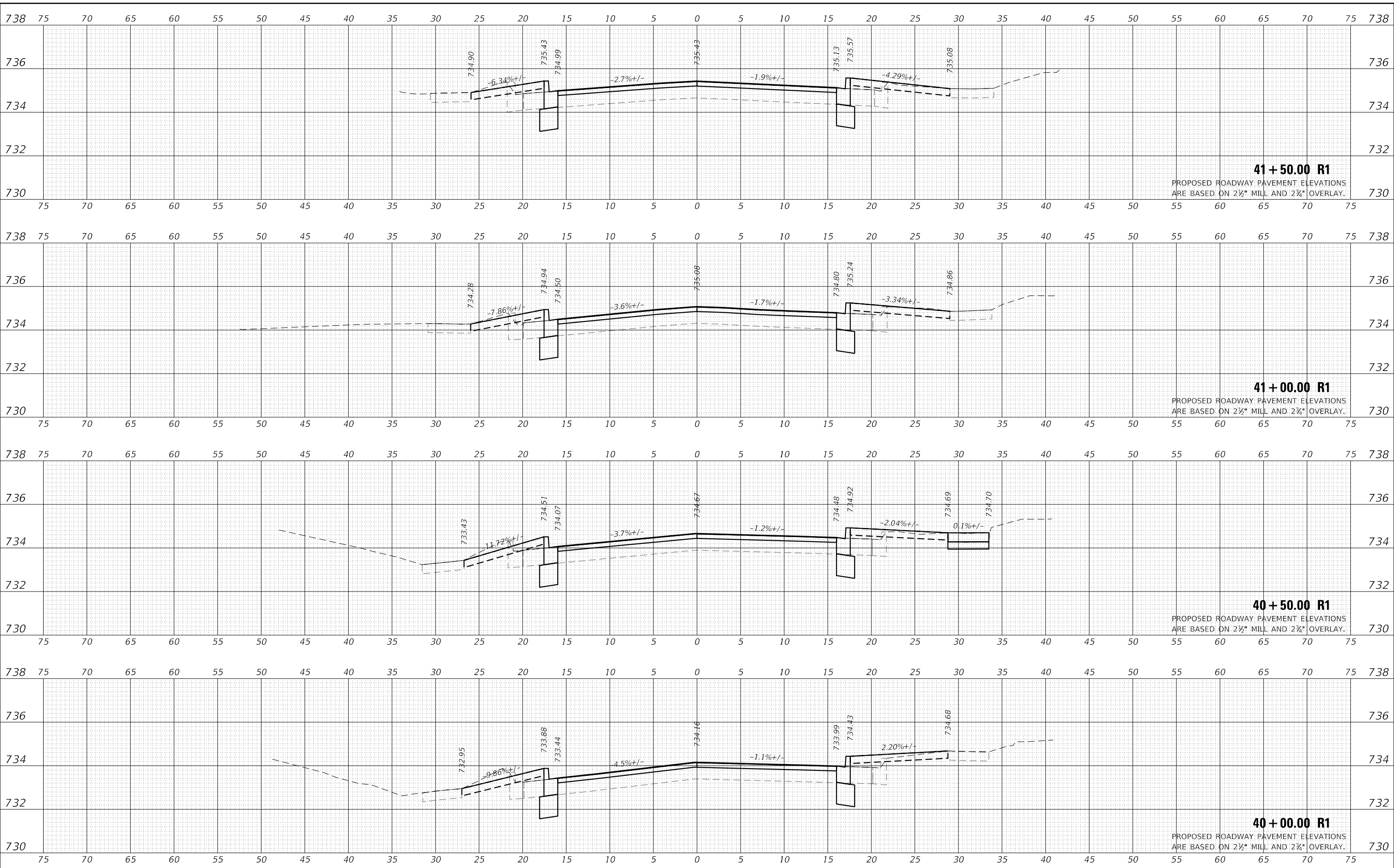
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2615	22-00118-00-PV	DUPAGE	76	70
				CONTRACT NO. 61K33
ILLINOIS FED. AID PROJECT				



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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
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SCALE: H:5 V:2    SHEET 3 OF 7 SHEETS    STA. 40+00.00 R1 TO STA. 41+50.00 R1

ILLINOIS    FED. AID PROJECT

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

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

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