

FAU RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	1
ILLINOIS CONTRACT NO. 61H02				

FOR INDEX OF SHEETS, SEE SHEET NO. 2 04-23-2021 LETTING ITEM 012

STATE OF ILLINOIS

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

THIS PROJECT IS LOCATED IN THE CITY OF ELMHURST AND THE VILLAGE OF BENSENVILLE

FAU ROUTE 1376 (GRAND AVENUE) FROM US ROUTE 20 (LAKE STREET) TO COUNTY LINE ROAD  
 INTERSECTION IMPROVEMENT, RESURFACING, AND TRAFFIC SIGNAL MODERNIZATION  
 SECTION NO.: 17-00272-03-SP  
 FEDERAL PROJECT NO: PY70(729)  
 DUPAGE COUNTY DIVISION OF TRANSPORTATION  
 DUPAGE COUNTY  
 C-91-083-18



**GRAND AVENUE**  
 ROADWAY CLASSIFICATION = MINOR ARTERIAL  
 POSTED SPEED = 40/45 MPH  
 ADT = 31,000 VPD

**OAKLAWN AVE / OLD GRAND AVENUE**  
 ROADWAY CLASSIFICATION = LOCAL ROAD  
 POSTED SPEED = 30 MPH

**CHURCH ROAD**  
 ROADWAY CLASSIFICATION = MAJOR COLLECTOR  
 POSTED SPEED = 35 MPH  
 ADT = 5,000 VPD

**ENTRY DRIVE / INDUSTRIAL DRIVE**  
 ROADWAY CLASSIFICATION = MAJOR COLLECTOR  
 POSTED SPEED = 30 MPH

**S YORK ROAD / N YORK STREET**  
 ROADWAY CLASSIFICATION = MINOR ARTERIAL  
 POSTED SPEED = 30/35 MPH  
 ADT = 13,000 / 24,000 VPD

**CROWN STREET**  
 ROADWAY CLASSIFICATION = LOCAL ROAD  
 POSTED SPEED = 25 MPH

END PROJECT LIMITS  
 STATION 51+44.00  
 YORK ROAD

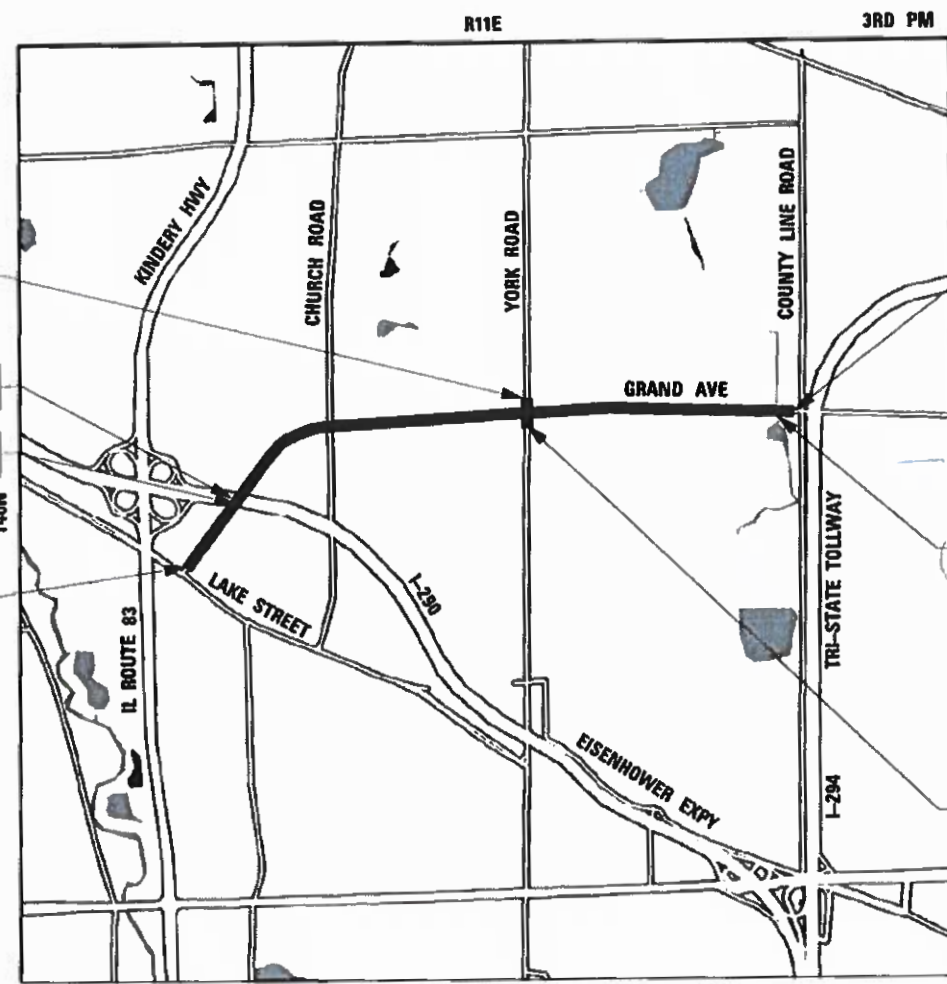
S.N. 022-0101 (I-290 WB)  
 S.N. 022-0102 (I-290 EB)

BEGIN PROJECT LIMITS  
 STATION 123+68.00  
 GRAND AVENUE

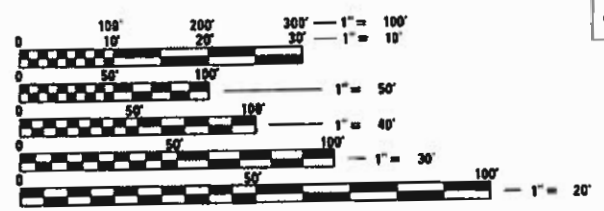
END PROJECT LIMITS  
 STATION 252+04.00  
 GRAND AVENUE

CULVERT OMISSION  
 ADDISON CREEK  
 STATION 246+85 TO  
 STATION 248+95  
 GRAND AVENUE

BEGIN PROJECT LIMITS  
 STATION 48+51.00  
 YORK ROAD

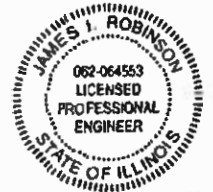


GROSS LENGTH = 12,836.00 FT. = 2.431 MILE  
 NET LENGTH = 12,836.00 FT. = 2.431 MILE



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



REGISTERED P.E. STATE OF ILLINOIS EXPIRES 11/30/2021

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

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

APPROVED 02/08/21  
 Christopher Snyder  
 DUPAGE COUNTY, COUNTY ENGINEER

PASSED 2/10/21  
 C.A. Pindler  
 DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
 BASED ON LIMITED REVIEW  
 February 10, 2021  
 Jose Rios ICAE  
 REGIONAL ENGINEER

PLANS PREPARED BY:  
**BURNS & MCDONNELL**  
 FOR DUPAGE COUNTY DIVISION OF TRANSPORTATION,  
 CHRISTOPHER C. SNYDER, P.E., COUNTY ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 61H02

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**LIST OF HIGHWAY STANDARDS**

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001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
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424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
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442101-09	CLASS B PATCHES
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602001-02	CATCH BASIN, TYPE A
604001-05	FRAME AND LIDS, TYPE 1
604091-04	FRAME AND GRATE, TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
667101-02	PERMANENT SURVEY MARKERS
668001-01	U.S. GEOLOGICAL SURVEY AND NATIONAL GEODETIC SURVEY BENCHMARKS, RESETTING METHOD
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS = 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN
701606-10	URBAN 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
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720001-01	SIGN PANEL MOUNTING DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
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862001-01	UNINTERRUPTIBLE POWER SUPPLY (UPS)
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TC-26	DRIVEWAY ENTRANCE SIGNING
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TS-08	EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATIONS - CROSS STREET

**DUPAGE COUNTY DETAILS**

BUTT JOINT DETAILS
COMMERCIAL DRIVEWAY DETAIL
PAVEMENT MARKING LOCATION
RECESSED PAVEMENT MARKER
TURN BAYS
CURBED HIGHWAYS TO CURBED SIDE ROAD
TRENCH BACKFILL
TRENCH BACKFILL IN PAVED AREAS
PRIVATE ENTRANCE DETAIL

MODEL: Default  
FILE NAME: 191212-ash-index.dgn



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PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
PLOT DATE = 2/9/2021		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	2
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- ADDITIONAL COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED BY THE ENGINEER. THIS REMOVAL AND REPLACEMENT WILL BE IN KIND.
- SIDEWALK REMOVAL LIMITS SHALL BE ADJUSTED IN THE FIELD BY THE ENGINEER TO MATCH EXISTING JOINTS.
- UNLESS AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

**ROADWAY EXCAVATION**

- ALL EXISTING CULVERTS, STORM SEWERS, OR DRAINAGE STRUCTURES MARKED FOR REMOVAL ON THE PLANS OR DESIGNATED IN THE FIELD BY THE ENGINEER TO BE REMOVED SHALL BE REMOVED AND ANY EXCAVATION SHALL BE BACKFILLED WITH A GRANULAR MATERIAL MEETING THE SPECIFICATIONS FOR FA-1 OR FA-2.
- THE CONTRACTOR SHALL NOT CROSS COMPLETED BASE COURSE OR EXISTING PAVEMENT, NOT SCHEDULED TO BE REMOVED, WITH TRACK EQUIPMENT OR LOADED SCRAPERS.
- ALL EMBANKMENTS AND SUB-GRADE SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER PRIOR TO PLACING AGGREGATE SUBGRADE OR SUB-BASE GRANULAR MATERIAL.
- THE CONTRACTOR WILL HAVE THE OPTION OF REMOVING EXISTING HOT-MIX ASPHALT PAVEMENT BY GRINDING OR EXCAVATING. IF THE HOT-MIX ASPHALT PAVEMENT IS REMOVED BY EXCAVATION, IT MAY NOT BE USED IN EMBANKMENT AREAS UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER. HOT-MIX ASPHALT PAVEMENT REMOVED BY GRINDING MAY BE USED AS EMBANKMENT MATERIAL. NO HOT-MIX ASPHALT PAVEMENT SHALL BE REMOVED IN AREAS TO BE USED FOR TEMPORARY ROADWAY.

**STORM SEWERS**

**STRUCTURES**

**UTILITIES**

- THE STATION / OFFSET / ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR THE STRUCTURES TO SET THE FRAME AND GRATES IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE; ELEVATION INDICATES RIM GRADES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS, WATERMANS, AND STREET LIGHTS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT, RELOCATION, OR EXTENSION OF THE UTILITY INVOLVED.
- THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE AND ARE PROVIDED BY THE OWNERS. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR THROUGH THE OWNERS OF THE UTILITIES.
- EMBANKMENTS SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER PRIOR TO EXCAVATION FOR STORM SEWER.
- MANHOLES AND CATCH BASINS SHALL BE CONSTRUCTED WITH FLAT TOPS WHERE THE DIFFERENCE BETWEEN THE RIM ELEVATION AND INVERT ELEVATION IS LESS THAN SIX (6) FEET.
- ADJUSTMENT OF STRUCTURES MAINTAINED BY OTHER AGENCIES SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY MAINTAINING THE STRUCTURE INVOLVED.
- TRENCHES CROSSING TRAFFIC LANES MAY BE TEMPORARILY PATCHED WITH NOT LESS THAN FOUR (4) INCHES HMA. THE TEMPORARY PATCH SHALL BE MAINTAINED TO THE SATISFACTION OF THE ENGINEER UNTIL THE PERMANENT PATCH IS COMPLETED.
- ALL MANHOLES AND INLETS SHALL HAVE POURED INVERTS.
- ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES, AS DIRECTED BY THE ENGINEER.

**EROSION CONTROL NOTES**

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ARTICLE VII OF THE DuPAGE COUNTY COUNTYWIDE STORMWATER AND FLOOD PLAIN ORDINANCE, EFFECTIVE APRIL 2013 AND ALL SUBSEQUENT REVISIONS. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMITS ILR10 AND ILR40.
- EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
- SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
- ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODABLE/BARE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED.
- WHERE WETLANDS ARE TO REMAIN, THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF OR STOCKPILED IN WETLANDS.
- STOCKPILES AND MATERIAL STORAGE ARE PROHIBITED IN SPECIAL MANAGEMENT AREAS INCLUDING WETLANDS, FLOOD PLAINS, AND BUFFERS. LOCATIONS OF STOCKPILES MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES.
- RECEPTACLES FOR CONSTRUCTION DEBRIS, INCLUDING CONCRETE TRUCK WASHOUT WASTE, SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. THESE WILL NOT BE ALLOWED IN SPECIAL MANAGEMENT AREAS. RECEPTACLES AND THEIR LOCATIONS MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES.
- HAY OR STRAW BALES WILL NOT BE ALLOWED AS PERIMETER EROSION BARRIER OR AS A DITCH CHECK.
- WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
- WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
- GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.
- CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
- ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.
- ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.
- THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING ½ INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHIN 24 HOURS.

**HOT-MIX ASPHALT SURFACE HOT MIX ASPHALT BASE COURSE**

- HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, BASE COURSE, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
- SAWCUT CONSTRUCTION JOINTS SHALL BE PROVIDED AT PAVED COMMERCIAL OR PRIVATE ENTRANCES AND AT ALL SIDE ROADS.
- HOT-MIX ASPHALT BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
- THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE COURSE LIFT.

**TOPSOIL**

- TOPSOIL SHALL BE PLACED TO A DEPTH OF SIX (6) INCHES AND BE MEASURED IN SQUARE YARDS.
- THE CROSS SECTIONS INDICATE THE FINISHED GRADE OF TOPSOIL.
- TOPSOIL SHALL NOT BE STOCKPILED WITHIN THE LIMITS OF CONSTRUCTION; THE LOCATIONS OF TOPSOIL STOCKPILES WITHIN THE RIGHT-OF-WAY MUST BE APPROVED BY THE ENGINEER.

**PAVEMENT MARKING**

- LANE WIDTHS WITHIN LIMITS OF ROADWAY RESURFACING SHALL MATCH EXISTING WIDTHS.
- RECESSED REFLECTIVE PAVEMENT MARKINGS SYMBOLS SHOWN ON THE PLANS ARE FOR REFERENCE ONLY. THEY SHALL BE CONFIGURED AND INSTALLED ACCORDING TO DUPAGE COUNTY DETAIL.

**TRENCH BACKFILL**

- WHERE TRENCH BACKFILL IS REQUIRED, THE MATERIAL USED SHALL BE COMPACTED AS SPECIFIED IN ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS USING METHOD ONE.

**TREE REMOVAL - CLEARING - HEDGE REMOVAL**

- TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED DESIGNATED TO BE SAVED AND SHALL BE PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07. REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.

**OVERHANGING LIMBS**

- OVERHANGING LIMBS ARE TO BE TRIMMED OR CUT OFF TO PROVIDE A MINIMUM VERTICAL CLEARANCE OF TWENTY (20) FEET FROM THE FINISHED SURFACE OF THE ROAD. CLEARANCE TO SIDEWALKS OR PATHS SHALL BE AS DIRECTED BY THE ENGINEER.
- LIMB PRUNING SHALL BE UNDERTAKEN IN A TIMELY FASHION SO AS NOT TO INTERFERE WITH CONSTRUCTION.
- ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.

**COMMITMENTS**

- NO COMMITMENTS WERE MADE FOR THIS PROJECT.

MODEL: Default  
FILE NAME: 17-00272-03-5P-GENERAL001.dgn



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	DRAWN - LTO	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	3
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEM	S.P.	PAY ITEM	ITEM	UNIT	TOTAL QUANTITY	STP (70/30)			HSIP (90/10)
						ROADWAY	SAFETY	LANDSCAPING	SAFETY
						0005	0021	0031	0021
						URBAN	URBAN	URBAN	URBAN
		20101100	TREE TRUNK PROTECTION	EACH	3			3	
X		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10			
X		20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	10	10			
	*	20200100	EARTH EXCAVATION	CU YD	810	270			540
		20400800	FURNISHED EXCAVATION	CU YD	300				300
	*	20800150	TRENCH BACKFILL	CU YD	33				33
	*	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	1589			1083	506
X	*	25200100	SODDING	SQ YD	1031			713	318
X	*	25200110	SODDING, SALT TOLERANT	SQ YD	558			370	188
X		25200200	SUPPLEMENTAL WATERING	UNIT	3			2	1
	*	28000400	PERIMETER EROSION BARRIER	FOOT	555	375			180
	*	28000510	INLET FILTERS	EACH	127	118			9
	*	30300116	AGGREGATE SUBGRADE IMPROVEMENT 16"	SQ YD	1323	279			1044
	*	31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	856	546			310

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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	4
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEM	S.P.	PAY ITEM	ITEM	UNIT	TOTAL QUANTITY	STP (70/30)			HSIP (90/10)
						ROADWAY	SAFETY	LANDSCAPING	SAFETY
						0005	0021	0031	0021
						URBAN	URBAN	URBAN	URBAN
	*	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1204	1173			31
	*	35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	586	442			144
		35300510	PORTLAND CEMENT CONCRETE BASE COURSE 10 1/2"	SQ YD	919	270			649
	*	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	100	100			
	*	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	58110	53185			4925
	*	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10	8			2
	*	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	574	517			57
	*	40600990	TEMPORARY RAMP	SQ YD	300	250			50
	*	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	3534	3232			302
	*	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	60	60			
	*	40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	8398	7688			710
		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	50	50			
	*	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	545	401			144
	*	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7669	4903			2766

\* DENOTES SPECIAL PROVISION

MODEL: Default  
FILE NAME: 119712-shh-6002.dgn



USER NAME = jirocinson	DESIGNED - N/A	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - LTO	REVISED -
PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H02	

SPECIALTY ITEM	S.P.	PAY ITEM	ITEM	UNIT	TOTAL QUANTITY	STP (70/30)			HSIP (90/10)
						ROADWAY	SAFETY	LANDSCAPING	SAFETY
						0005	0021	0031	0021
						URBAN	URBAN	URBAN	URBAN
		42400800	DETECTABLE WARNINGS	SQ FT	782	609			173
	*	44000100	PAVEMENT REMOVAL	SQ YD	446				446
	*	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	523	448			75
	*	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	83202	75992			7210
	*	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	575	433			142
	*	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3632	1765			1867
	*	44000600	SIDEWALK REMOVAL	SQ FT	6710	4532			2178
	*	44003100	MEDIAN REMOVAL	SQ FT	6063	1927			4136
		44201823	CLASS D PATCHES, TYPE I, 15 INCH	SQ YD	250	200			50
		44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	750	700			50
		44201831	CLASS D PATCHES, TYPE III, 15 INCH	SQ YD	1000	1000			
		44213200	SAW CUTS	FOOT	5000	3000			2000
		50300300	PROTECTIVE COAT	SQ YD	1104	664			440
		54248510	CONCRETE COLLAR	CU YD	4				4

\* DENOTES SPECIAL PROVISION

MODEL: Default  
FILE NAME: 110712-shh-s0003.dgn



USER NAME = jrcolinson	DESIGNED - N/A	REVISED -
PLOT SCALE = 100.0000 * / in.	DRAWN - LTO	REVISED -
PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H02	

SPECIALTY ITEM	S.P.	PAY ITEM	ITEM	UNIT	TOTAL QUANTITY	STP (70/30)			HSIP (90/10)
						ROADWAY	SAFETY	LANDSCAPING	SAFETY
						0005	0021	0031	0021
						URBAN	URBAN	URBAN	URBAN
	*	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	84				84
		55100500	STORM SEWER REMOVAL 12"	FOOT	86				86
	*	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2				2
	*	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4	4			
	*	60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1			
	*	60404950	FRAMES AND LIDS, TYPE 24	EACH	2				2
	*	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1				1
		60600605	CONCRETE CURB, TYPE B	FOOT	42	8			34
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	531	451			80
		60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	530	530			
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	871				871
	*	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	261	85			176
X	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	24				24
X	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1				1

\* DENOTES SPECIAL PROVISION

MODEL: Default  
FILE NAME: 119712.dwg



USER NAME = jiroinson	DESIGNED - N/A	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - LTO	REVISED -
PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 12 SHEETS STA. TO STA.

F.A.U. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H02	

SPECIALTY ITEM	S.P.	PAY ITEM	ITEM	UNIT	TOTAL QUANTITY	STP (70/30)			HSIP (90/10)
						ROADWAY	SAFETY	LANDSCAPING	SAFETY
						0005	0021	0031	0021
						URBAN	URBAN	URBAN	URBAN
X	*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1				1
X	*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1				1
X	*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5				5
	*	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	9			3
		67100100	MOBILIZATION	L SUM	1	0.25	0.25	0.25	0.25
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28				28
	*	70300100	SHORT TERM PAVEMENT MARKINGS	FOOT	30000	28000			2000
	*	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	10000	9330			670
	*	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	200	200			
	*	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4999				4999
	*	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	625				625
	*	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	366				366
X	*	72000100	SIGN PANEL - TYPE 1	SQ FT	117				117
		72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	321				321

MODEL: Default  
FILE NAME: 119712-01-0005.dgn



USER NAME = jiroinson	DESIGNED - N/A	REVISED -
	DRAWN - LTO	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 5 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP		174	8
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	



SPECIALTY ITEM	S.P.	PAY ITEM	ITEM	UNIT	TOTAL QUANTITY	STP (70/30)			HSIP (90/10)
						ROADWAY	SAFETY	LANDSCAPING	SAFETY
						0005	0021	0031	0021
						URBAN	URBAN	URBAN	URBAN
X	*	78000100	THERMOPLASTIC MARKING - LETTERS AND SYMBOLS	SQ FT	1364	1149			215
X	*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	37751	35699			2052
X	*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3721	3081			640
X	*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1016	735			281
X	*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	2015	1300			715
	*	78300200	RAISED REFLECTIVE PAVMENT MARKER REMOVAL	EACH	750	700			50
	*	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1200				1200
X	*	80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	4				4
X		81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	6600				6600
X		81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL 2 1/2" DIA.	FOOT	100				100
X		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	650				650
X		81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	2400				2400
X		81400100	HANDHOLE	EACH	19				19
X		81400300	DOUBLE HANDHOLE	EACH	9				9

MODEL: Default  
FILE NAME: 119712-shh-sq06.dgn



USER NAME = jrobinson	DESIGNED - N/A	REVISED -
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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 6 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H02	

SPECIALTY ITEM	S.P.	PAY ITEM	ITEM	UNIT	TOTAL QUANTITY	STP (70/30)			HSIP (90/10)
						ROADWAY	SAFETY	LANDSCAPING	SAFETY
						0005	0021	0031	0021
						URBAN	URBAN	URBAN	URBAN
X		81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4880				4880
X		86400100	TRANSCEIVER - FIBER OPTIC	EACH	5				5
X	*	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	7600				7600
X	*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	4050				4050
X	*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	6460				6460
X	*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	10560				10560
X	*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	5930				5930
X	*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	600				600
X	*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2330				2330
X	*	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	7				7
X	*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	13				13
X	*	87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1				1
X	*	87702955	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	4				4
X	*	87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1				1

MODEL: Detail  
FILE NAME: 119712-81k-007.dgn



USER NAME = jrobinson	DESIGNED - N/A	REVISED -
PLOT SCALE = 100.0000 ' / in.	DRAWN - LTO	REVISED -
PLOT DATE = 2/9/2021	CHECKED - JJR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 7 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H02	

SPECIALTY ITEM	S.P.	PAY ITEM	ITEM	UNIT	TOTAL QUANTITY	STP (70/30)			HSIP (90/10)
						ROADWAY	SAFETY	LANDSCAPING	SAFETY
						0005	0021	0031	0021
						URBAN	URBAN	URBAN	URBAN
X	*	87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	4				4
X	*	87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1				1
X	*	87703020	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	1				1
X	*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	84				84
X	*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	20				20
X	*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	165				165
X	*	87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21				21
X		87900200	DRILL EXISTING HANDHOLE	EACH	2				2
X	*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8				8
X	*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	35				35
X	*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	16				16
X	*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	17				17
X	*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	16				16
X	*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	28				28

MODEL: Default  
FILE NAME: 119712-SPN-80008.dgn



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PLOT SCALE = 100.0000' / in.	DRAWN - LTO	REVISED -
PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 8 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	11
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEM	S.P.	PAY ITEM	ITEM	UNIT	TOTAL QUANTITY	STP (70/30)			HSIP (90/10)
						ROADWAY	SAFETY	LANDSCAPING	SAFETY
						0005	0021	0031	0021
						URBAN	URBAN	URBAN	URBAN
X	*	88200310	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	51				51
X	*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	337				337
X	*	88700200	LIGHT DETECTOR	EACH	11				11
X	*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	5				5
X	*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	5				5
X	*	89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1				1
X		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2094				2094
X	*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5				5
X		89502380	REMOVE EXISTING HANDHOLE	EACH	44				44
X		89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	5				5
X		89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	31				31
X	*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	2090				2090
X	*	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	380				380
X	*	X0325922	CELLULAR MODEM	EACH	1				1

MODEL: Default  
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PLOT SCALE = 100.0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 9 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H02	

SPECIALTY ITEM	S.P.	PAY ITEM	ITEM	UNIT	TOTAL QUANTITY	STP (70/30)			HSIP (90/10)
						ROADWAY	SAFETY	LANDSCAPING	SAFETY
						0005	0021	0031	0021
						URBAN	URBAN	URBAN	URBAN
X	*	X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	12				12
	*	X0327989	REMOVE EXISTING BRICK PAVERS	SQ FT	924				924
X	*	X1400144	UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	5				5
X	*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1				1
X	*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1				1
X	*	X1400381	CABLE, SPECIAL	FOOT	2170				2170
	*	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	500	500			
	*	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	50	48			2
	*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.25	0.25	0.25	0.25
	*	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	2920	200			2720
X	*	X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	1135	1076			59
X	*	X8100105	CONDUIT SPLICE	EACH	15				15
X	*	X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	5				5
X	*	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	7600				7600

MODEL: Definit  
FILE NAME: 119712-shl-ss010.dgn



USER NAME = jirobinson	DESIGNED - N/A	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - LTO	REVISED -
PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 10 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	13
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEM	S.P.	PAY ITEM	ITEM	UNIT	TOTAL QUANTITY	STP (70/30)			HSIP (90/10)
						ROADWAY	SAFETY	LANDSCAPING	SAFETY
						0005	0021	0031	0021
						URBAN	URBAN	URBAN	URBAN
X	*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	20				20
X	*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4				4
X	*	XX003338	TEST HOLE	EACH	10				10
X	*	XX007952	TERMINAL SERVER	EACH	1				1
X	*	XX009297	LUMINAIRE, LED, HORIZONTAL MOUNT, SPECIAL	EACH	12				12
X	*	XX005723	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	5				5
	*	Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2000	2000			
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.25	0.25	0.25	0.25
	*	Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	9	7			2
	*	Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	1				1
	*	Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	1				1
	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	75	75			
X	*	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1				1
	*	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	50780	46560			4220

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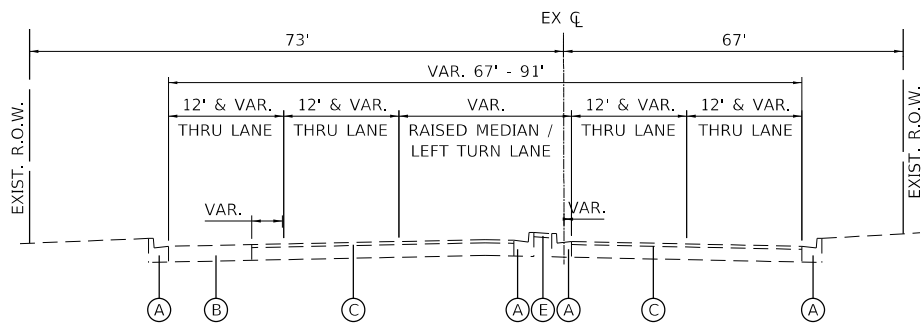
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DRAWN - LTO	CHECKED - JIR	REVISED -
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PLOT DATE = 2/9/2021		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

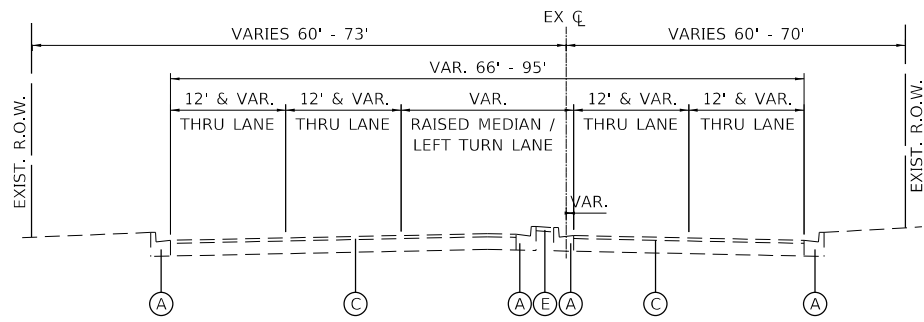
<b>SUMMARY OF QUANTITIES</b>			
SCALE:	SHEET 11 OF 12 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	14
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	

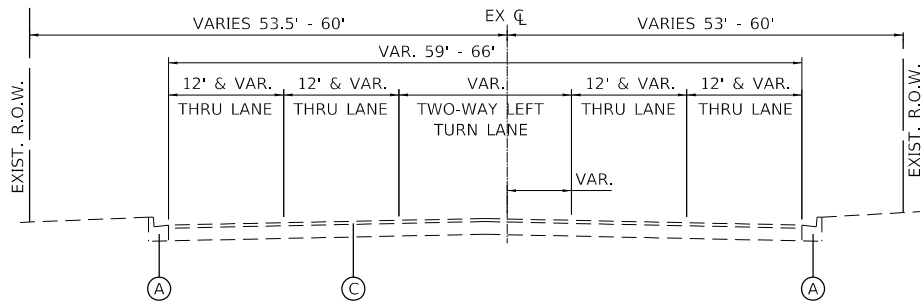




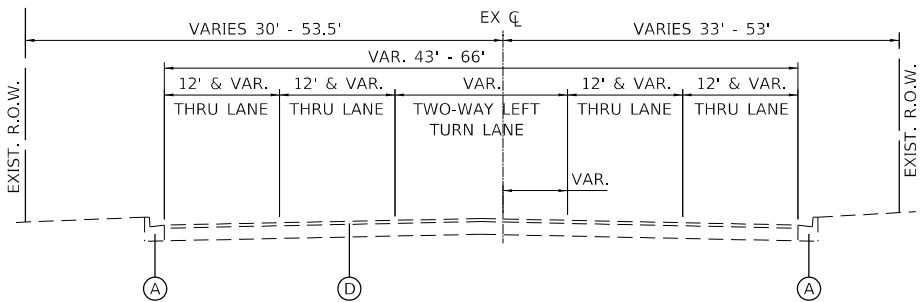
GRAND AVENUE - EXISTING TYPICAL SECTION  
STA. 123+68.00 TO STA. 129+35.62



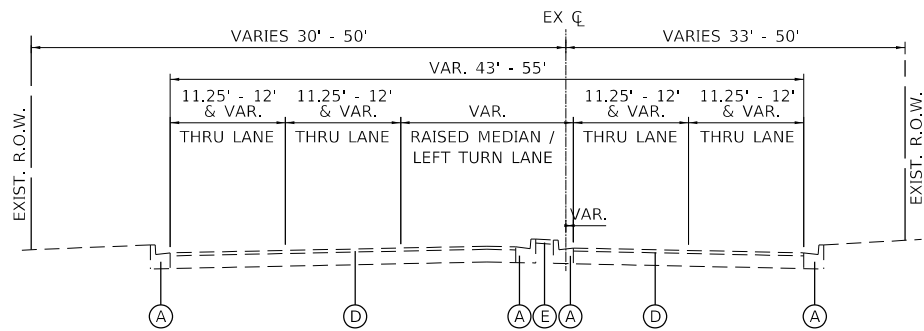
GRAND AVENUE - EXISTING TYPICAL SECTION  
STA. 129+35.62 TO STA. 166+27.74



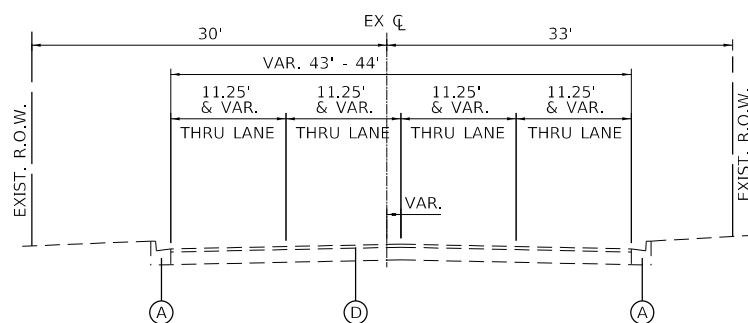
GRAND AVENUE - EXISTING TYPICAL SECTION  
STA. 166+27.74 TO STA. 173+25.00



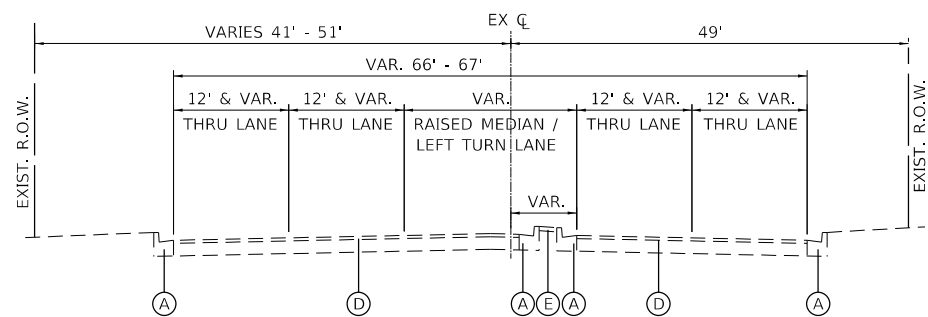
GRAND AVENUE - EXISTING TYPICAL SECTION  
STA. 173+25.00 TO STA. 195+85.33  
STA. 203+95.47 TO STA. 229+16.06



GRAND AVENUE - EXISTING TYPICAL SECTION  
STA. 195+85.33 TO STA. 203+95.47  
STA. 236+53.55 TO STA. 252+04.00



GRAND AVENUE - EXISTING TYPICAL SECTION  
STA. 229+16.06 TO STA. 236+53.55



YORK STREET / YORK ROAD - EXISTING TYPICAL SECTION  
STA. 48+51.00 TO STA. 51+44.00

EXISTING LEGEND

- (A) COMBINATION CURB AND GUTTER
- (B) PCC PAVEMENT
- (C) PCC PAVEMENT WITH HMA OVERLAY
- (D) HMA PAVEMENT
- (E) MEDIAN SURFACE

SEE PAVEMENT CORE LOGS SHEET FOR EXISTING PAVEMENT COMPOSITION

PROPOSED LEGEND

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ③ PORTLAND CEMENT CONCRETE BASE COURSE 10 1/2"
- ④ CONCRETE MEDIAN, TYPE SB-6.12
- ⑤ AGGREGATE SUBGRADE IMPROVEMENT 16"
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑦ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑧ TOPSOIL FURNISH AND PLACE, 6" SODDING OR SODDING, SALT TOLERANT
- ⑨ SUBBASE GRANULAR MATERIAL, TYPE B 2"

NOTE:  
1. COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED BY THE ENGINEER. THE REMOVAL AND REPLACEMENT WILL BE IN KIND AND PAID UNDER COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT.

MODEL: Default  
FILE NAME: 17-00272-03-SP-17-00272-03-SP-01.dwg



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DRAWN - JIR	REVISED -	
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PLOT DATE = 2/9/2021	DATE -	REVISED -

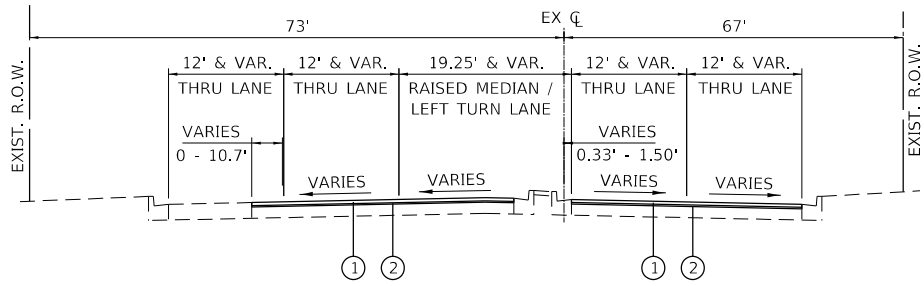
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

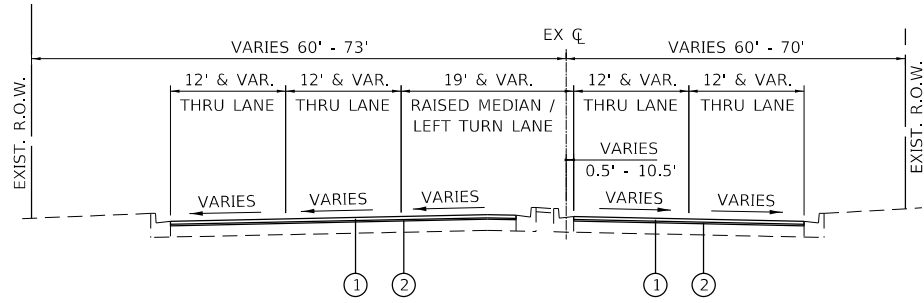
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61H02				
ILLINOIS		FED. AID PROJECT		

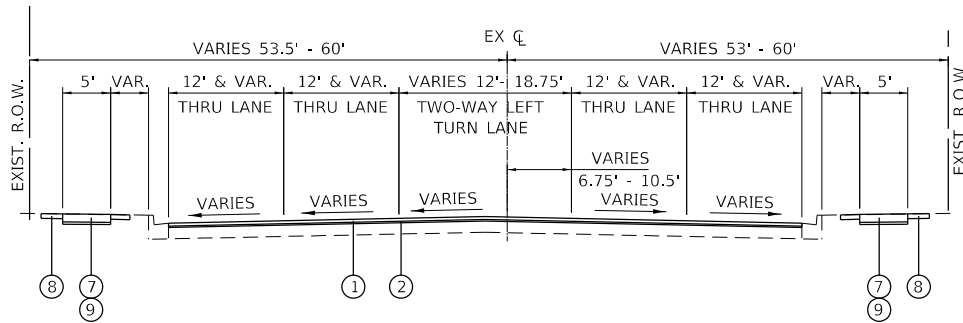




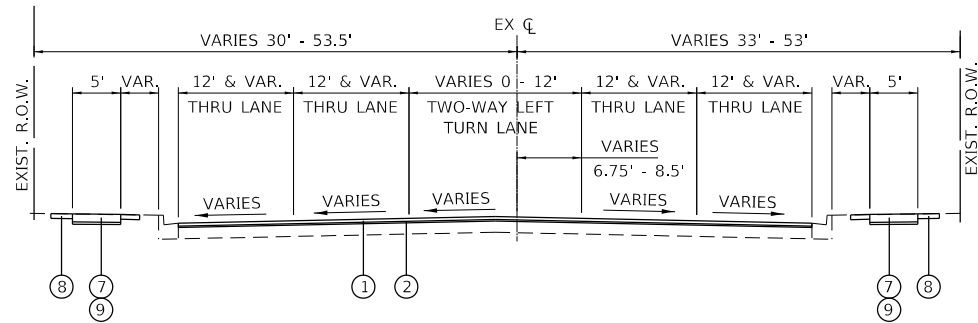
GRAND AVENUE - PROPOSED TYPICAL SECTION  
STA. 123+68.00 TO STA. 129+35.62



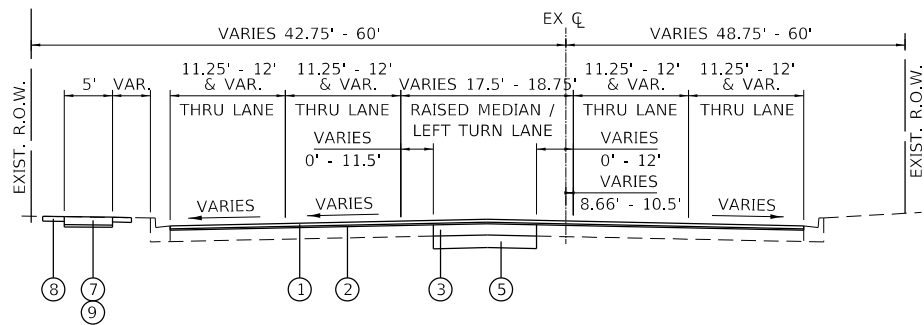
GRAND AVENUE - PROPOSED TYPICAL SECTION  
STA. 129+35.62 TO STA. 164+63.55



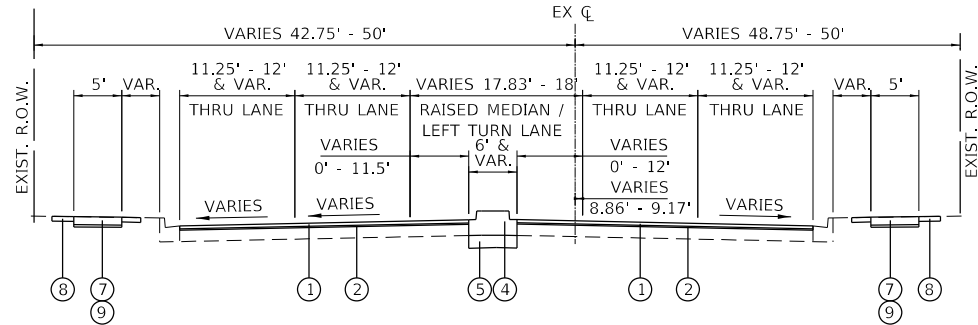
GRAND AVENUE - PROPOSED TYPICAL SECTION  
STA. 166+36.57 TO STA. 173+25.00



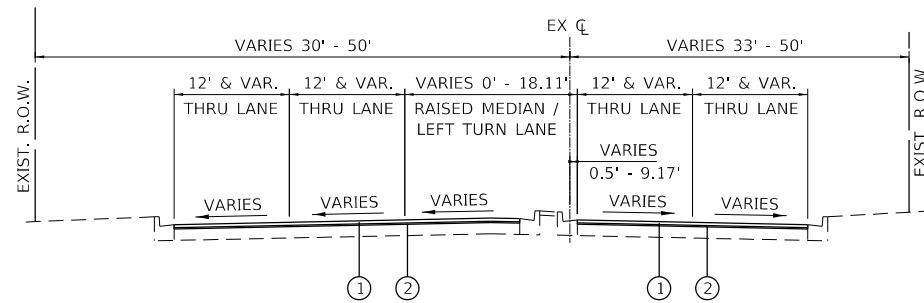
GRAND AVENUE - PROPOSED TYPICAL SECTION  
STA. 173+25.00 TO STA. 195+85.33  
STA. 203+95.47 TO STA. 229+16.06



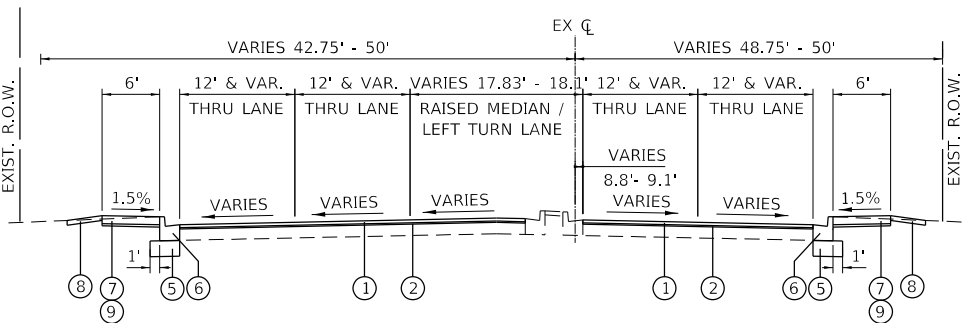
GRAND AVENUE - PROPOSED TYPICAL SECTION  
STA. 164+63.55 TO STA. 166+36.57  
STA. 195+85.33 TO STA. 198+02.57  
STA. 202+12.44 TO STA. 203+95.47



GRAND AVENUE - PROPOSED TYPICAL SECTION  
STA. 198+02.57 TO STA. 198+10.56  
STA. 202+04.28 TO STA. 202+12.44



GRAND AVENUE - PROPOSED TYPICAL SECTION  
STA. 198+10.56 TO STA. 198+60.94  
STA. 236+53.55 TO STA. 252+04.00



GRAND AVENUE - PROPOSED TYPICAL SECTION  
STA. 198+60.94 TO STA. 202+12.44

EXISTING LEGEND

- (A) COMBINATION CURB AND GUTTER
- (B) PCC PAVEMENT
- (C) PCC PAVEMENT WITH HMA OVERLAY
- (D) HMA PAVEMENT
- (E) MEDIAN SURFACE

SEE PAVEMENT CORE LOGS SHEET FOR EXISTING PAVEMENT COMPOSITION

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (3) PORTLAND CEMENT CONCRETE BASE COURSE 10 1/2"
- (4) CONCRETE MEDIAN, TYPE SB-6.12
- (5) AGGREGATE SUBGRADE IMPROVEMENT 16"
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (8) TOPSOIL FURNISH AND PLACE, 6" SODDING OR SODDING, SALT TOLERANT
- (9) SUBBASE GRANULAR MATERIAL, TYPE B 2"

NOTE:  
1. COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED BY THE ENGINEER. THE REMOVAL AND REPLACEMENT WILL BE IN KIND AND PAID UNDER COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT.

MODEL: Default  
FILE NAME: 17-0272-03-SP-01.dwg



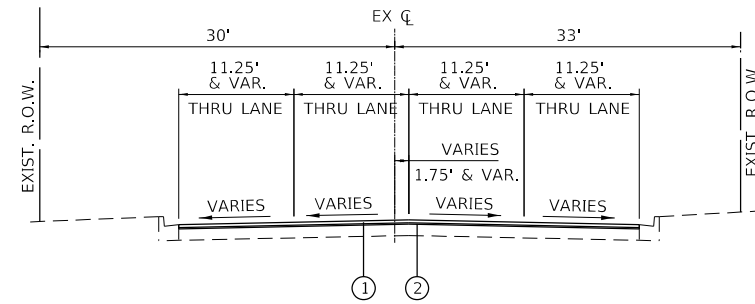
USER NAME = jrobinson	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/9/2021	CHECKED - RGJ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

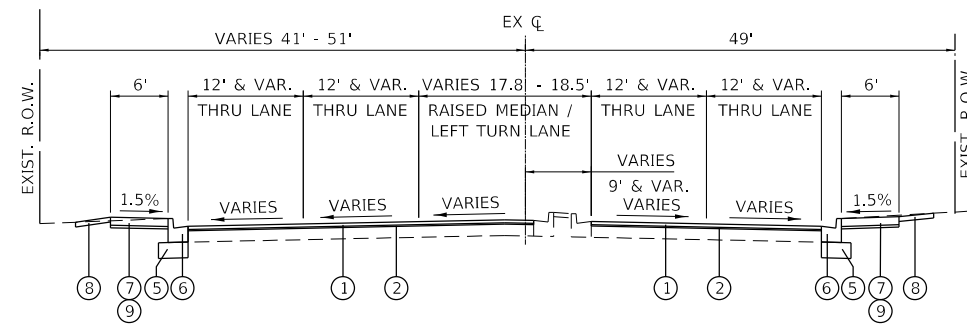
PROPOSED TYPICAL SECTIONS

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	17
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



GRAND AVENUE - PROPOSED TYPICAL SECTION  
STA. 229+16.06 TO STA. 236+53.55



YORK STREET / YORK ROAD - PROPOSED TYPICAL SECTION  
STA. 48+51.00 TO STA. 51+44.00

**EXISTING LEGEND**

- (A) COMBINATION CURB AND GUTTER
- (B) PCC PAVEMENT
- (C) PCC PAVEMENT WITH HMA OVERLAY
- (D) HMA PAVEMENT
- (E) MEDIAN SURFACE

SEE PAVEMENT CORE LOGS SHEET FOR EXISTING PAVEMENT COMPOSITION

**PROPOSED LEGEND**

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ③ PORTLAND CEMENT CONCRETE BASE COURSE 10 1/2"
- ④ CONCRETE MEDIAN, TYPE SB-6.12
- ⑤ AGGREGATE SUBGRADE IMPROVEMENT 16"
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑦ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑧ TOPSOIL FURNISH AND PLACE, 6" SODDING OR SODDING, SALT TOLERANT
- ⑨ SUBBASE GRANULAR MATERIAL, TYPE B 2"

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

PAY ITEM	VOIDS
PAVEMENT RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	4% @ 70 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1-1/2"	4% @ 50 GYR.
TEMPORARY RAMP	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	4% @ 50 GYR.
INCIDENTAL HMA SURFACING	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	4% @ 50 GYR.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2-1/2"	4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD /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 SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

**NOTE:**

1. COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED BY THE ENGINEER. THE REMOVAL AND REPLACEMENT WILL BE IN KIND AND PAID UNDER COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT.

MODEL: Default  
FILE NAME: 17-00272-03-SP-02.dwg



USER NAME = jrobinson	DESIGNED - JIR	REVISED -
	DRAWN - JIR	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED - RGJ	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS**

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	18
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

INDEX TO SCHEDULES OF QUANTITIES		
NO.	DESCRIPTION	SHEET NO.
1	SCHEDULE OF PORTLAND CEMENT CONCRETE MATERIALS	19
2	SCHEDULE OF HOT-MIX ASHALT MATERIALS	19
3	SCHEDULE OF REMOVAL ITEMS	19
4	SCHEDULE OF AGGREGATE BASE COURSE ITEMS	19
5	SCHEDULE OF EROSION CONTROL ITEMS	20
6	SCHEDULE OF LANDSCAPING ITEMS	20
7	SCHEDULE OF PAVEMENT MARKING ITEMS	20
8	SCHEDULE OF DRAINAGE ITEMS	20
9	GRAND AVENUE EARTHWORK	20
10	YORK EARTHWORK	20

1 SCHEDULE OF PORTLAND CEMENT CONCRETE MATERIALS												
STATION	PORTLAND CEMENT CONCRETE BASE COURSE 10 1/2"	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	PROTECTIVE COAT	CONCRETE CURB, TYPE B	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	CONCRETE MEDIAN, TYPE SB-6.12	PAY ITEM NO.	
											FROM	TO
	35300510	42300400	42400200	42400800	50300300	60600605	60603800	60604400	60605000	60619600		
	SQ YD	SQ YD	SQ FT	SQ FT	SQ YD	FOOT	FOOT	FOOT	FOOT	SQ FT		
123+68	128+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
128+00	134+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
134+00	140+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
140+00	146+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
146+00	151+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
151+00	156+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
156+00	161+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
161+00	167+00	270.0	0.0	165.0	20.0	10.0	0.0	29.0	0.0	85.0		
167+00	173+00	0.0	87.0	493.0	80.0	117.0	0.0	137.0	0.0	0.0		
173+00	179+00	0.0	245.0	657.0	80.0	272.0	0.0	123.0	0.0	0.0		
179+00	185+00	0.0	69.0	391.0	54.3	89.0	0.0	22.0	54.0	0.0		
185+00	191+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
191+00	197+00	187.0	0.0	3251.0	90.0	49.0	0.0	51.0	136.0	0.0		
197+00	203+00	304.0	144.0	495.0	215.0	482.0	42.0	132.0	18.0	871.0	176.0	
203+00	209+00	158.0	0.0	707.0	30.0	24.0	0.0	37.0	58.0	0.0	0.0	
209+00	215+00	0.0	0.0	792.0	99.7	39.0	0.0	0.0	142.0	0.0	0.0	
215+00	220+50	0.0	0.0	473.0	52.5	22.0	0.0	80.0	22.0	0.0	0.0	
220+50	226+00	0.0	0.0	245.0	20.0	12.0	0.0	0.0	42.0	0.0	0.0	
226+00	232+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
232+00	238+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
238+00	244+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
244+00	250+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
250+00	252+40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PROJECT TOTAL		919.0	545.0	7669.0	742.0	1116.0	42.0	531.0	530.0	871.0	261.0	

2 SCHEDULE OF HOT-MIX ASHALT MATERIALS						
STATION	BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	PAY ITEM NO.	
					FROM	TO
	40600290	40603200	40604060	40604172		
	POUND	TON	TON	TON		
123+68	128+00	1784.0	109.0	0.0	259.0	
128+00	134+00	2519.0	154.0	0.0	365.0	
134+00	140+00	2326.0	142.0	0.0	338.0	
140+00	146+00	2663.0	163.0	0.0	385.0	
146+00	151+00	2192.0	134.0	0.0	318.0	
151+00	156+00	3437.0	210.0	0.0	499.0	
156+00	161+00	2095.0	128.0	0.0	304.0	
161+00	167+00	2920.0	177.0	5.0	419.0	
167+00	173+00	2939.0	176.0	11.0	418.0	
173+00	179+00	2667.0	163.0	0.0	387.0	
179+00	185+00	3006.0	184.0	0.0	435.0	
185+00	191+00	2683.0	164.0	0.0	389.0	
191+00	197+00	2873.0	172.0	11.0	408.0	
197+00	203+00	4229.0	253.0	17.0	600.0	
203+00	209+00	2978.0	178.0	12.0	423.0	
209+00	215+00	2780.0	170.0	0.0	403.0	
215+00	220+50	2388.0	146.0	0.0	346.0	
220+50	226+00	2308.0	141.0	0.0	335.0	
226+00	232+00	2093.0	128.0	0.0	303.0	
232+00	238+00	1997.0	122.0	0.0	290.0	
238+00	244+00	2372.0	145.0	0.0	344.0	
244+00	250+00	1471.0	90.0	0.0	213.0	
250+00	252+40	815.0	50.0	0.0	117.0	
PROJECT TOTAL		57535	3499.0	56.0	8298.0	

3 SCHEDULE OF REMOVAL ITEMS										
STATION	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	DRIVEWAY PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	MEDIAN REMOVAL	PAY ITEM NO.	
									FROM	TO
	40600982	44000100	44000155	44000159	44000200	44000500	44000600	44003100		
	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	SQ FT	SQ FT		
123+68	128+00	29.0	0.0	0.0	2608.0	0.0	0.0	0.0		
128+00	134+00	7.0	0.0	0.0	3710.0	0.0	0.0	0.0		
134+00	140+00	0.0	0.0	0.0	3442.0	0.0	0.0	0.0		
140+00	146+00	28.0	0.0	0.0	3901.0	0.0	0.0	0.0		
146+00	151+00	0.0	0.0	0.0	3243.0	0.0	0.0	0.0		
151+00	156+00	54.0	0.0	0.0	5037.0	0.0	0.0	0.0		
156+00	161+00	0.0	0.0	0.0	3093.0	0.0	0.0	0.0		
161+00	167+00	106.0	0.0	60.0	3903.0	90.0	395.0	178.0	1927.0	
167+00	173+00	20.0	0.0	126.0	4238.0	243.0	141.0	479.0	0.0	
173+00	179+00	0.0	0.0	0.0	3941.0	68.0	123.0	622.0	0.0	
179+00	185+00	134.0	0.0	0.0	4304.0	0.0	76.0	393.0	0.0	
185+00	191+00	0.0	0.0	0.0	3965.0	0.0	0.0	0.0	0.0	
191+00	197+00	0.0	0.0	131.0	3968.0	142.0	443.0	507.0	1308.0	
197+00	203+00	60.0	446.0	193.0	5872.0	32.0	1867.0	2420.0	1718.0	
203+00	209+00	18.0	0.0	13.0	4140.0	0.0	325.0	610.0	1110.0	
209+00	215+00	15.0	0.0	0.0	4095.0	0.0	141.0	847.0	0.0	
215+00	220+50	13.0	0.0	0.0	3509.0	0.0	80.0	439.0	0.0	
220+50	226+00	17.0	0.0	0.0	3400.0	0.0	41.0	215.0	0.0	
226+00	232+00	0.0	0.0	0.0	3085.0	0.0	0.0	0.0	0.0	
232+00	238+00	0.0	0.0	0.0	2950.0	0.0	0.0	0.0	0.0	
238+00	244+00	0.0	0.0	0.0	3504.0	0.0	0.0	0.0	0.0	
244+00	250+00	47.0	0.0	0.0	2126.0	0.0	0.0	0.0	0.0	
250+00	252+40	26.0	0.0	0.0	1168.0	0.0	0.0	0.0	0.0	
PROJECT TOTAL		574.0	446.0	523.0	83202.0	575.0	3632.0	6710.0	6063.0	

4 SCHEDULE OF AGGREGATE BASE COURSE ITEMS						
STATION	AGGREGATE SUBGRADE IMPROVEMENT 16"	SUBBASE GRANULAR MATERIAL, TYPE B 2"	AGGREGATE BASE COURSE, TYPE B 6"	AGGREGATE BASE COURSE, TYPE B 8"	PAY ITEM NO.	
					FROM	TO
	30300116	31101180	35101800	35102000		
	SQ YD	SQ YD	SQ YD	SQ YD		
123+68	128+00	0.0	0.0	0.0	0.0	
128+00	134+00	0.0	0.0	0.0	0.0	
134+00	140+00	0.0	0.0	0.0	0.0	
140+00	146+00	0.0	0.0	0.0	0.0	
146+00	151+00	0.0	0.0	0.0	0.0	
151+00	156+00	0.0	0.0	0.0	0.0	
156+00	161+00	0.0	0.0	0.0	0.0	
161+00	167+00	279.0	19.0	9.0	0.0	
167+00	173+00	0.0	55.0	40.0	87.0	
173+00	179+00	0.0	73.0	36.0	245.0	
179+00	185+00	0.0	44.0	25.0	69.0	
185+00	191+00	0.0	0.0	0.0	0.0	
191+00	197+00	190.0	362.0	62.0	0.0	
197+00	203+00	696.0	55.0	52.0	144.0	
203+00	209+00	158.0	79.0	31.0	41.0	
209+00	215+00	0.0	88.0	49.0	0.0	
215+00	220+50	0.0	53.0	28.0	0.0	
220+50	226+00	0.0	28.0	15.0	0.0	
226+00	232+00	0.0	0.0	0.0	0.0	
232+00	238+00	0.0	0.0	0.0	0.0	
238+00	244+00	0.0	0.0	0.0	0.0	
244+00	250+00	0.0	0.0	0.0	0.0	
250+00	252+40	0.0	0.0	0.0	0.0	
PROJECT TOTAL		1323.0	856.0	347.0	586.0	

MODEL: Default  
 FILE: \\burns-mcdonnell\110712\shb\scheduleofquantities01.dgn



USER NAME = jirobinson	DESIGNED - N/A	REVISED -
	DRAWN - WLM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

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

**SCHEDULE OF QUANTITIES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
-------------	---------	--------	--------------	-------

5 SCHEDULE OF EROSION CONTROL ITEMS				
STATION		PERIMETER EROSION BARRIER	INLET FILTERS	
PAY ITEM NO.	28000400	28000510		
FROM	TO	FOOT	EACH	
123+68	136+00	0	8	
136+00	150+00	0	18	
130+00	164+00	0	19	
135+00	178+50	180	11	
140+00	192+00	26	9	
145+00	206+00	180	15	
150+00	218+50	151	8	
155+00	232+00	18	13	
160+00	246+00	0	17	
165+00	252+04	0	9	
PROJECT TOTAL		555	127	

6 SCHEDULE OF LANDSCAPING ITEMS				
STATION		TOPSOIL FURNISH AND PLACE, 6"	SODDING	SODDING, SALT TOLERANT
PAY ITEM NO.	21101625	25200100	25200110	
FROM	TO	SQ YD	SQ YD	SQ YD
123+68	136+00	0.0	0.0	0.0
136+00	150+00	0.0	0.0	0.0
130+00	164+00	0.0	0.0	0.0
135+00	178+50	196.0	70.0	126.0
140+00	192+00	70.0	5.0	65.0
145+00	206+00	565.0	353.0	212.0
150+00	218+50	172.0	49.0	123.0
155+00	232+00	36.0	4.0	32.0
160+00	246+00	0.0	0.0	0.0
165+00	252+04	0.0	0.0	0.0
PROJECT TOTAL		1039.0	481.0	558.0

7 SCHEDULE OF PAVEMENT MARKING ITEMS							
STATION		THERMOPLASTIC MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	RECESSED REFLECTIVE PAVEMENT MARKER
PAY ITEM NO.	78000100	78000200	78000400	78000600	78000650	X7810300	
FROM	TO	SQ FT	FOOT	FOOT	FOOT	FOOT	EACH
123+68	128+00	31.0	906.0	159.0	0.0	0.0	26.0
128+00	134+00	58.0	1317.0	286.0	0.0	0.0	43.0
134+00	140+00	37.0	1501.0	140.0	0.0	0.0	36.0
140+00	146+00	37.0	1373.0	139.0	0.0	0.0	38.0
146+00	151+00	58.0	1192.0	241.0	0.0	0.0	40.0
151+00	156+00	191.0	1087.0	591.0	54.0	149.0	38.0
156+00	161+00	37.0	1408.0	133.0	19.0	0.0	34.0
161+00	167+00	37.0	1321.0	225.0	104.0	541.0	42.0
167+00	173+00	92.0	1801.0	127.0	0.0	0.0	60.0
173+00	179+00	67.0	1722.0	242.0	68.0	0.0	66.0
179+00	185+00	109.0	1289.0	211.0	0.0	345.0	48.0
185+00	191+00	61.0	2039.0	34.0	68.0	0.0	64.0
191+00	197+00	98.0	2147.0	103.0	105.0	0.0	66.0
197+00	203+00	125.0	2052.0	640.0	52.0	715.0	59.0
203+00	209+00	31.0	2097.0	13.0	124.0	0.0	66.0
209+00	215+00	31.0	1646.0	57.0	52.0	238.0	58.0
215+00	220+50	98.0	1801.0	80.0	49.0	14.0	52.0
220+50	226+00	92.0	1650.0	0.0	0.0	13.0	55.0
226+00	232+00	0.0	2111.0	0.0	83.0	0.0	53.0
232+00	238+00	0.0	1794.0	0.0	4.0	0.0	49.0
238+00	244+00	37.0	2044.0	209.0	74.0	0.0	59.0
244+00	250+00	0.0	2698.0	0.0	123.0	0.0	60.0
250+00	252+40	37.0	755.0	91.0	37.0	0.0	23.0
PROJECT TOTAL		1364.0	37751.0	3721.0	1016.0	2015.0	1135.0

8 SCHEDULE OF DRAINAGE ITEMS								
STATION		CATCH BASIN, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	FRAMES AND LIDS, TYPE 24	FRAMES AND LIDS, TYPE 1, CLOSED LID	STATION		TRENCH BACKFILL	STORM SEWERS, CLASS A, TYPE 1 12"
PAY ITEM NO.	60201340	60404950	60406100		PAY ITEM NO.		20800150	550A0050
FROM	TO	EACH	EACH	EACH	FROM	TO	CU YD	FOOT
197+00	203+00	2.0	2.0	1.0	STR-01	STR-02	6.0	14.0
PROJECT TOTAL		2.0	2.0	1.0	STR-03	STR-04	27.0	70.0
PROJECT TOTAL					PROJECT TOTAL		33.0	84.0

9 GRAND AVENUE EARTHWORK							
STATION	LENGTH	CUT	FILL	EARTH EXCAVATION	EARTH EXCAVATION FOR EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	(FT)	(SF)	(SF)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
AHEAD ONLY							
195+50		3.0	0.0				
196+00	50.0	39.0	0.0	38.9	31.1	0.0	31.1
196+50	50.0	32.0	0.0	65.7	52.6	0.0	52.6
197+00	50.0	26.0	0.0	53.7	43.0	0.0	43.0
197+50	50.0	20.0	0.0	42.6	34.1	0.0	34.1
198+00	50.0	15.0	0.0	32.4	25.9	0.0	25.9
198+50	50.0	0.0	0.0	13.9	11.1	0.0	11.1
198+77	26.9	10.0	1.0	5.0	4.0	0.5	3.5
199+00	23.1	6.0	9.0	6.8	5.5	4.3	1.2
OMISSION (AHEAD/BACK ONLY)							
201+00		7.0	9.0				
201+24	24.3	8.0	2.0	6.8	5.4	5.0	0.5
201+50	25.7	6.0	1.0	6.7	5.3	1.4	3.9
201+83	33.1	3.0	0.0	5.5	4.4	0.6	3.8
202+00	16.9	3.0	0.0	1.9	1.5	0.0	1.5
202+50	50.0	18.0	0.0	19.4	15.6	0.0	15.6
203+00	50.0	26.0	0.0	40.7	32.6	0.0	32.6
203+50	50.0	34.0	0.0	55.6	44.4	0.0	44.4
204+00	50.0	0.0	0.0	31.5	25.2	0.0	25.2
TOTAL				427.1	341.7	11.8	329.9
ROUNDUP				428.0	342.0	12.0	330.0

10 YORK EARTHWORK							
STATION	LENGTH	CUT	FILL	EARTH EXCAVATION	EARTH EXCAVATION FOR EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	(FT)	(SF)	(SF)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
AHEAD ONLY							
48+00.00		0.00	0.00				
48+50.00	50.00	0.00	0.00	0.0	0.0	0.0	0.0
48+76.18	26.18	14.00	0.00	6.8	5.4	0.0	5.4
49+00.00	23.82	7.00	12.00	9.3	7.4	5.3	2.1
OMISSION (AHEAD/BACK ONLY)							
51+00.00		6.00	10.00				
51+50.00	50.00	0.00	0.00	5.6	4.4	9.3	-4.8
52+00.00	50.00	0.00	0.00	0.0	0.0	0.0	0.0
TOTAL				21.6	17.3	14.6	2.7
ROUNDUP				22.0	18.0	15.0	3.0

MODEL: Default  
 FILE NAME: I:\13712\shb\sheet\04\quantities02.dgn



USER NAME = jrobinson  
 PLOT SCALE = 100,0000 ' / in.  
 PLOT DATE = 2/9/2021

DESIGNED - N/A  
 DRAWN - WLM  
 CHECKED - JIR  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

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

**SCHEDULE OF QUANTITIES**  
 SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	20
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



GRAND AVENUE			
POINT	STATION	NORTHING	EASTING
POT	120+00.00	1,914,693.77	1,084,732.86
PC	148+56.83	1,916,993.72	1,086,427.48
PI	155+18.81	1,917,526.65	1,086,820.15
PT	160+97.02	1,917,572.94	1,087,480.51
PC	211+81.25	1,917,928.42	1,092,552.29
PI	214+76.63	1,917,949.07	1,092,846.95
PT	217+71.49	1,917,939.32	1,093,142.17
POT	253+00.00	1,917,822.76	1,096,668.76

CURVE GRAND-1  
 PI STA. = 155+18.81  
 $\Delta = 49^\circ 36' 27''$  (RT)  
 $D = 4^\circ 00' 00''$   
 $R = 1,432.40'$   
 $T = 661.97'$   
 $L = 1,240.19'$   
 $E = 145.57'$   
 P.C. STA. = 148+56.83  
 P.T. STA. = 160+97.02

YORK ROAD			
POINT	STATION	NORTHING	EASTING
POT	42+00.00	1,917,045.83	1,091,371.89
PI	50+00.00	1,917,845.83	1,091,373.93
POT	57+00.00	1,918,545.83	1,091,372.22

BENCHMARK AD26003 ELEV. = 693.77

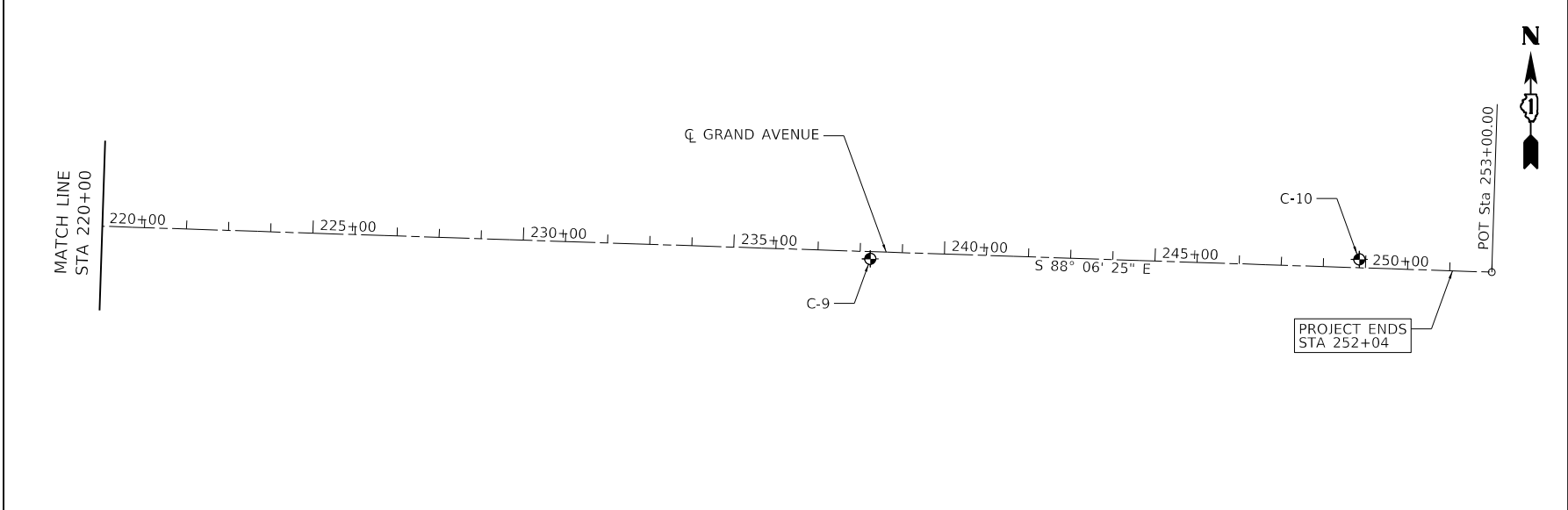
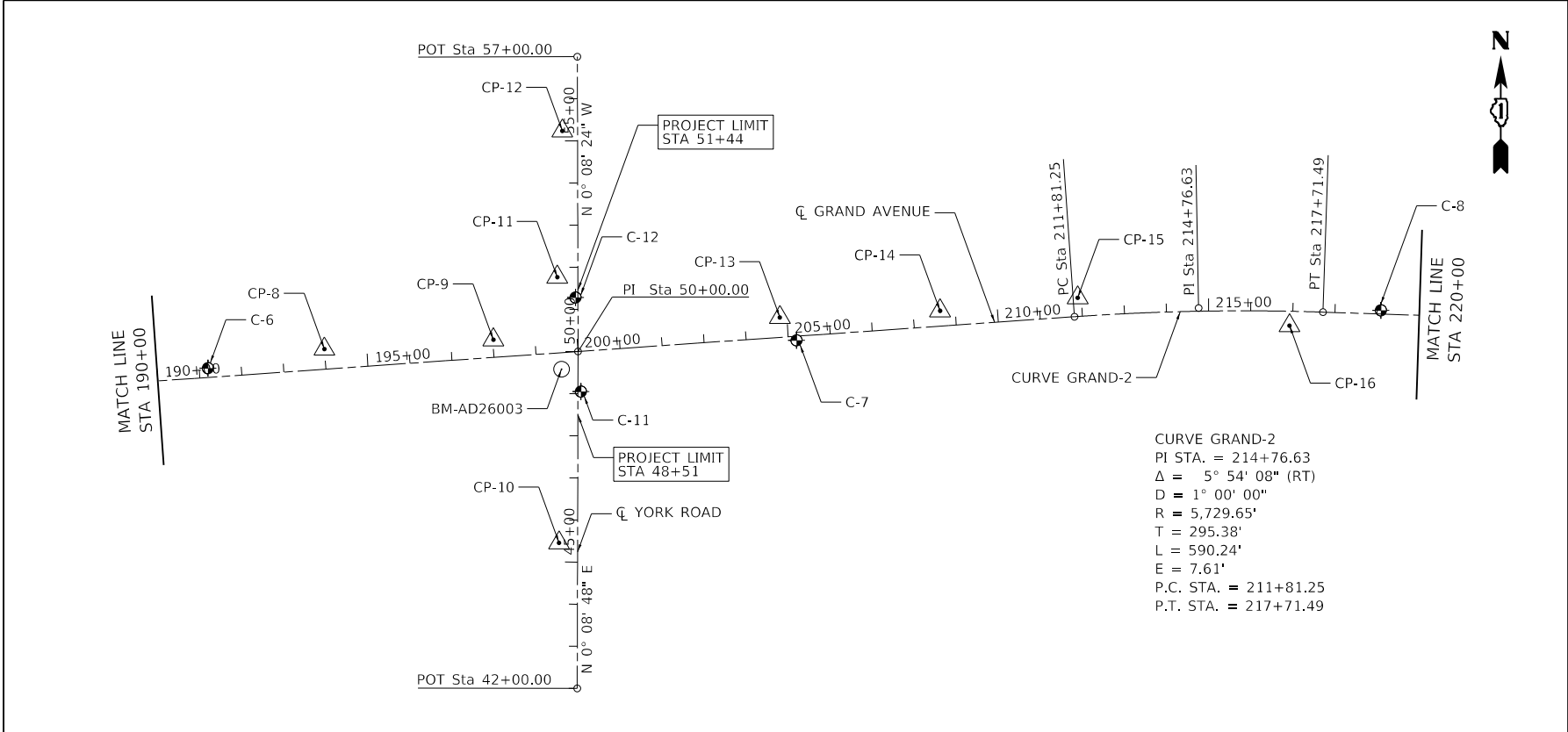
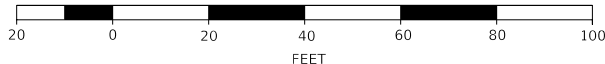
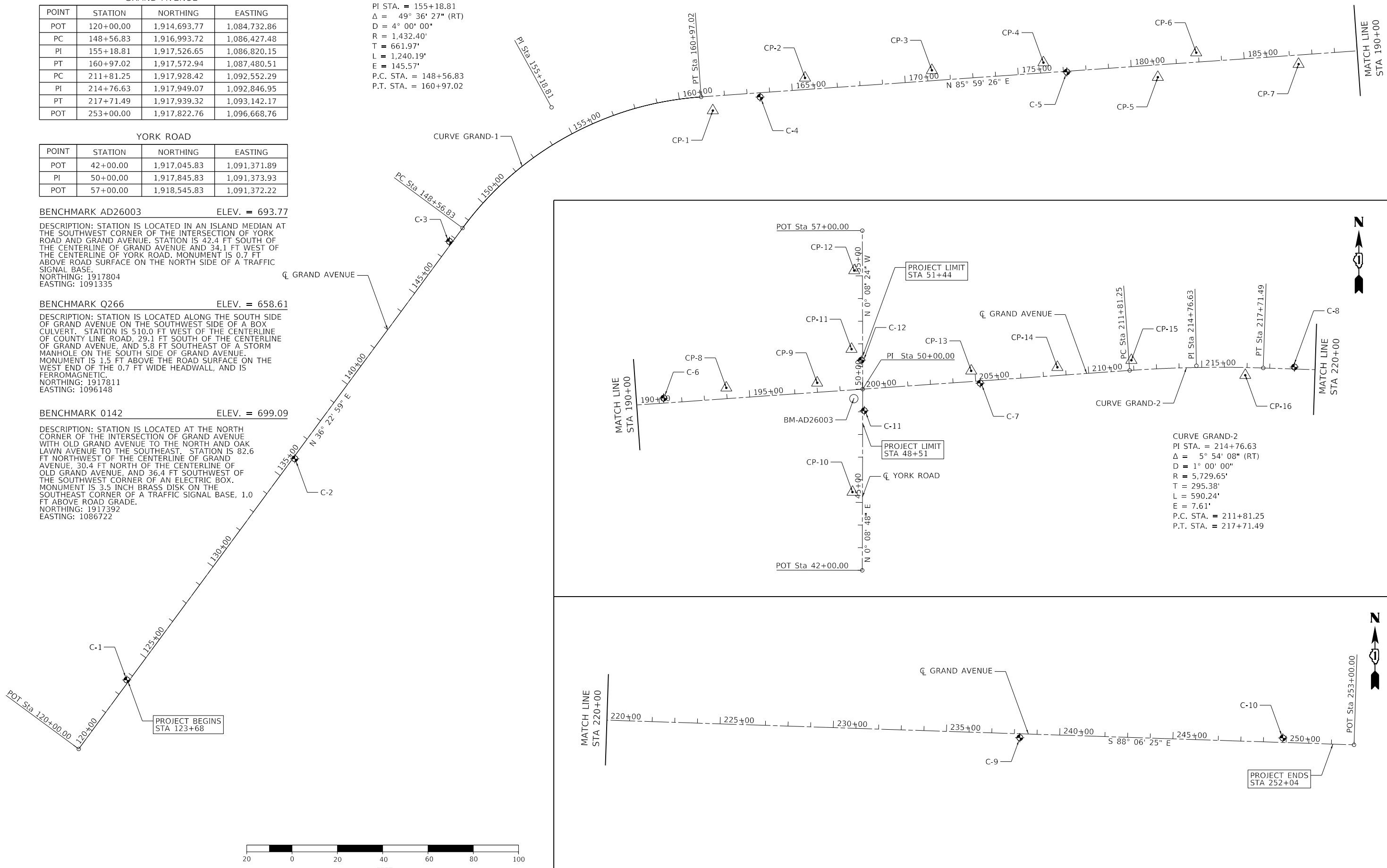
DESCRIPTION: STATION IS LOCATED IN AN ISLAND MEDIAN AT THE SOUTHWEST CORNER OF THE INTERSECTION OF YORK ROAD AND GRAND AVENUE. STATION IS 42.4 FT SOUTH OF THE CENTERLINE OF GRAND AVENUE AND 34.1 FT WEST OF THE CENTERLINE OF YORK ROAD. MONUMENT IS 0.7 FT ABOVE ROAD SURFACE ON THE NORTH SIDE OF A TRAFFIC SIGNAL BASE.  
 NORTHING: 1917804  
 EASTING: 1091335

BENCHMARK Q266 ELEV. = 658.61

DESCRIPTION: STATION IS LOCATED ALONG THE SOUTH SIDE OF GRAND AVENUE ON THE SOUTHWEST SIDE OF A BOX CULVERT. STATION IS 510.0 FT WEST OF THE CENTERLINE OF COUNTY LINE ROAD, 29.1 FT SOUTH OF THE CENTERLINE OF GRAND AVENUE, AND 5.8 FT SOUTHWEST OF A STORM MANHOLE ON THE SOUTH SIDE OF GRAND AVENUE. MONUMENT IS 1.5 FT ABOVE THE ROAD SURFACE ON THE WEST END OF THE 0.7 FT WIDE HEADWALL, AND IS FERROMAGNETIC.  
 NORTHING: 1917811  
 EASTING: 1096148

BENCHMARK 0142 ELEV. = 699.09

DESCRIPTION: STATION IS LOCATED AT THE NORTH CORNER OF THE INTERSECTION OF GRAND AVENUE WITH OLD GRAND AVENUE TO THE NORTH AND OAK LAWN AVENUE TO THE SOUTHEAST. STATION IS 82.6 FT NORTHWEST OF THE CENTERLINE OF GRAND AVENUE, 30.4 FT NORTH OF THE CENTERLINE OF OLD GRAND AVENUE, AND 36.4 FT SOUTHWEST OF THE SOUTHWEST CORNER OF AN ELECTRIC BOX. MONUMENT IS 3.5 INCH BRASS DISK ON THE SOUTHEAST CORNER OF A TRAFFIC SIGNAL BASE, 1.0 FT ABOVE ROAD GRADE.  
 NORTHING: 1917392  
 EASTING: 1086722



MODEL: Default  
FILE NAME: 17-00272-03-SP-ATB001.dgn



USER NAME = jirobinson	DESIGNED - N/A	REVISED -
	DRAWN - LTO	REVISED -
PLOT SCALE = 400,0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GRAND AVENUE  
ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1" = 200' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	21
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

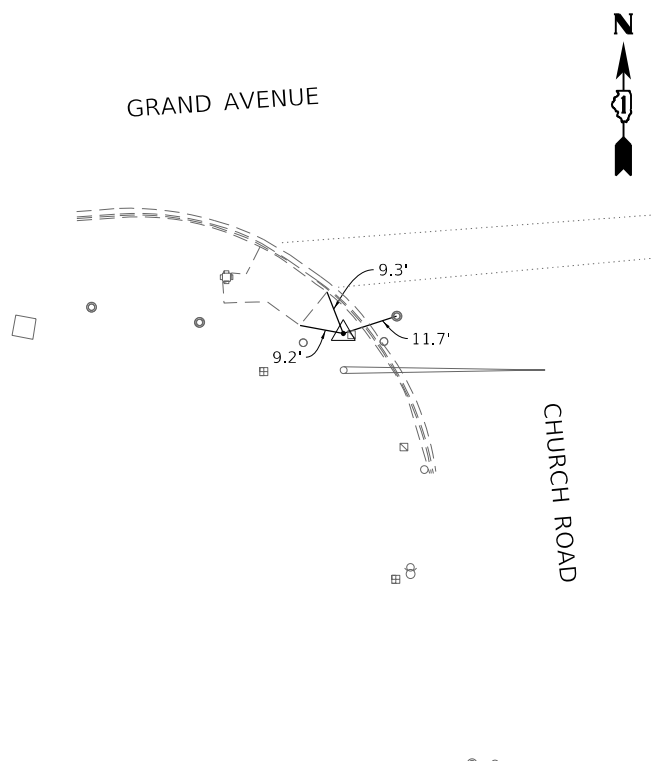
**CONTROL POINT #1**

CUT "X" IN SIDEWALK

STA 161+44.29, 63.82' RT  
 N 1,917,512.578  
 E 1,087,532.123  
 EL 691.49

GRAND AVENUE

CHURCH ROAD

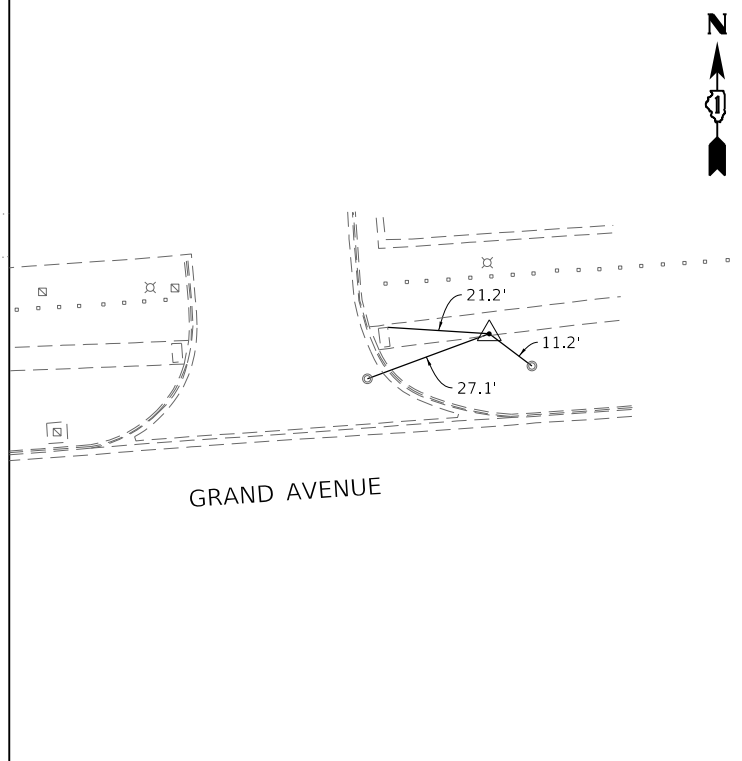


**CONTROL POINT #2**

CUT "X" IN SIDEWALK

STA 165+60.45, 51.50' LT  
 N 1,917,656.718  
 E 1,087,939.204  
 EL 693.51

GRAND AVENUE

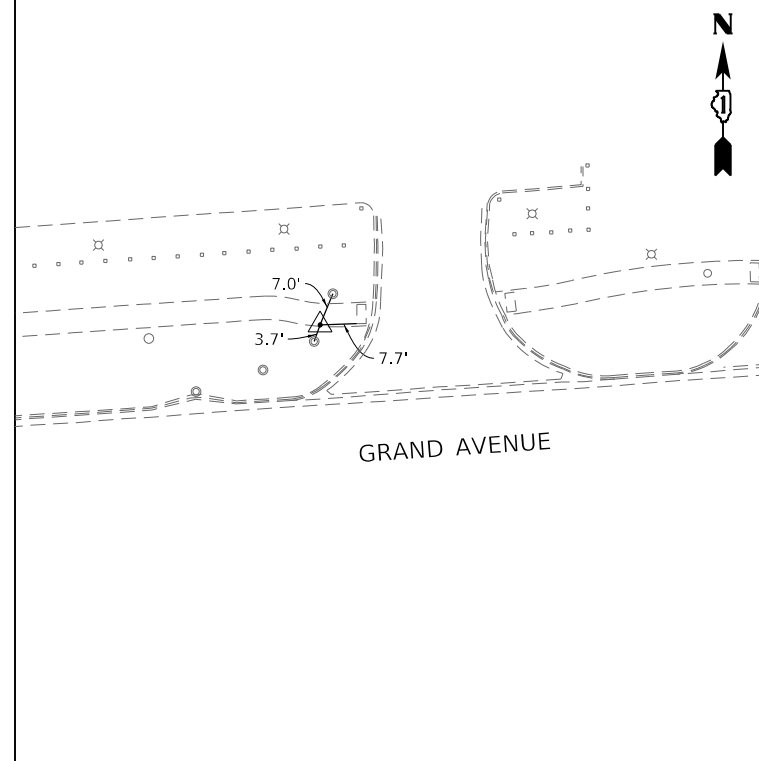


**CONTROL POINT #3**

CUT "X" IN SIDEWALK

STA 171+21.32, 45.75' LT  
 N 1,917,690.197  
 E 1,088,499.100  
 EL 694.15

GRAND AVENUE

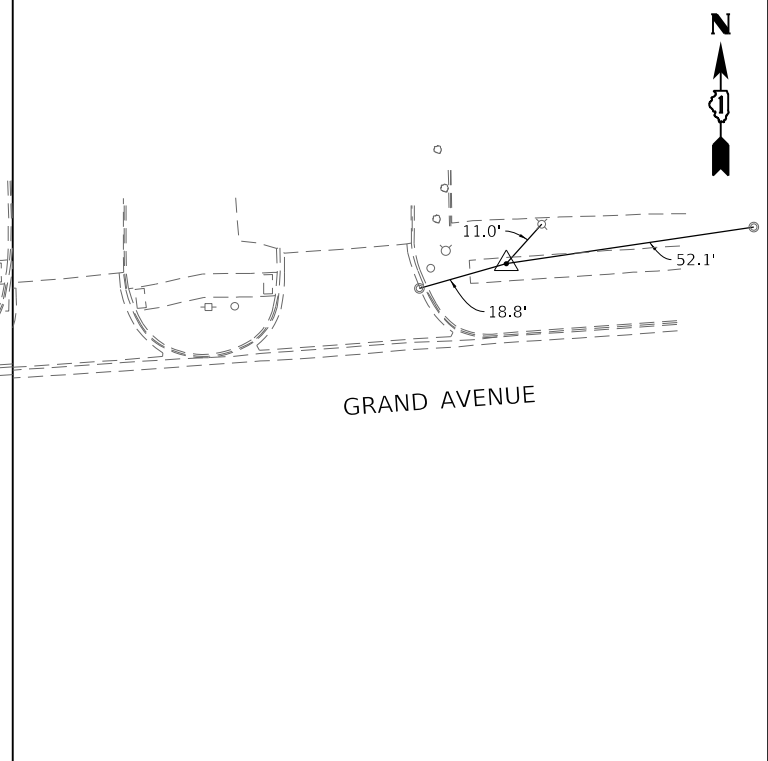


**CONTROL POINT #4**

CUT "X" IN SIDEWALK

STA 176+14.95, 45.37' LT  
 N 1,917,724.332  
 E 1,088,991.551  
 EL 691.88

GRAND AVENUE



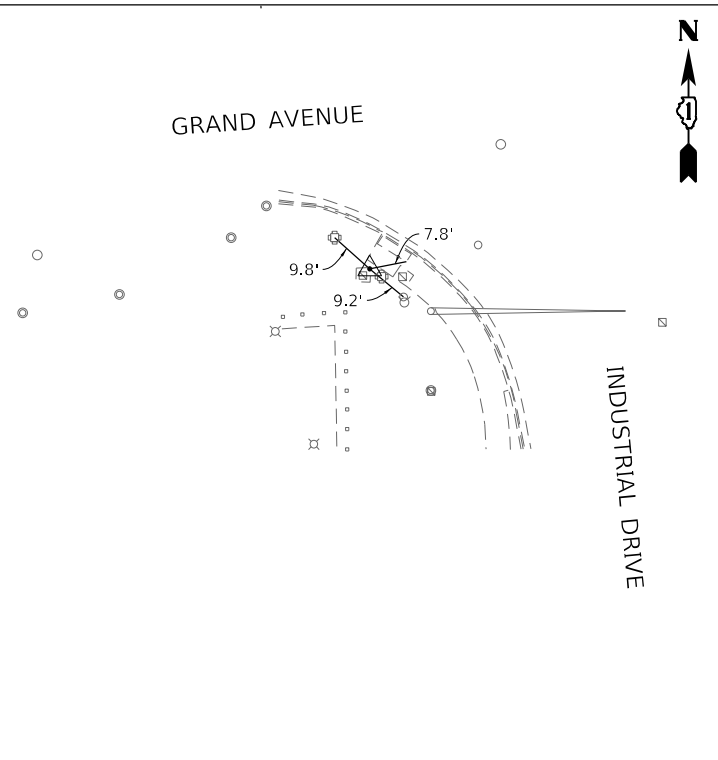
**CONTROL POINT #5**

CUT "X" IN SIDEWALK

STA 181+14.17, 54.40' RT  
 N 1,917,659.707  
 E 1,089,496.519  
 EL 689.77

GRAND AVENUE

INDUSTRIAL DRIVE



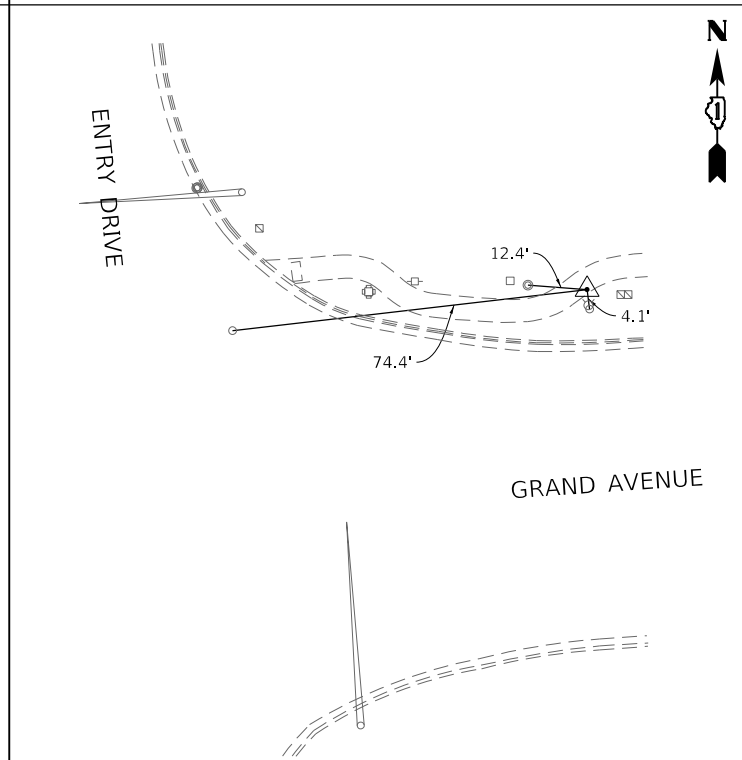
**CONTROL POINT #6**

CUT "X" IN SIDEWALK

STA 182+90.86, 41.99' LT  
 N 1,917,768.213  
 E 1,089,666.041  
 EL 690.64

ENTRY DRIVE

GRAND AVENUE

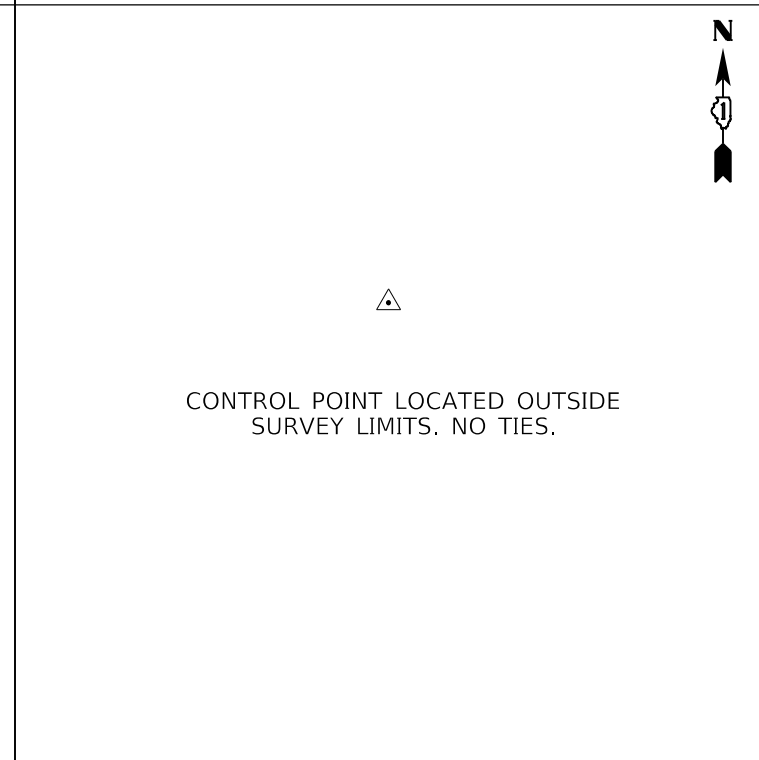


**CONTROL POINT #7**

CUT "X" IN SIDEWALK

STA 187+38.06, 40.26' RT  
 N 1,917,717.437  
 E 1,090,117.895  
 EL 692.10

CONTROL POINT LOCATED OUTSIDE SURVEY LIMITS. NO TIES.

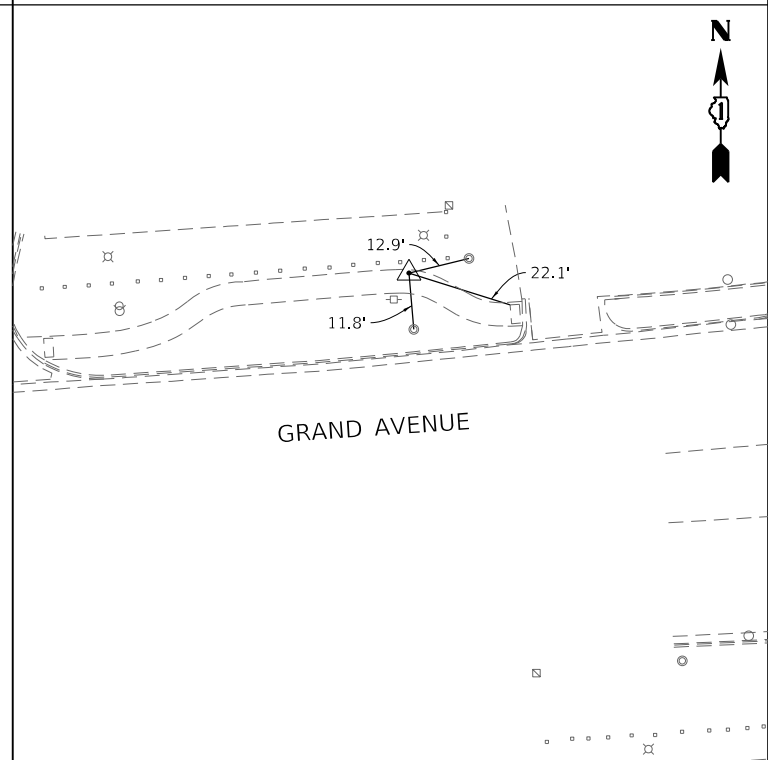


**CONTROL POINT #8**

CUT "X" IN SIDEWALK

STA 193+99.76, 47.87' LT  
 N 1,917,851.614  
 E 1,090,771.817  
 EL 692.40

GRAND AVENUE



MODEL: Default  
 FILE NAME: 110712-rh-ATB02.dgn



USER NAME = jrobinson	DESIGNED - LTO	REVISOR -
PLOT SCALE = 40.0000 ' / in.	DRAWN - LTO	REVISIONS -
PLOT DATE = 2/9/2021	CHECKED - JIR	REVISIONS -
	DATE -	REVISIONS -

DESIGNED - LTO	REVISOR -
DRAWN - LTO	REVISIONS -
CHECKED - JIR	REVISIONS -
DATE -	REVISIONS -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GRAND AVENUE  
 ALIGNMENT, TIES, AND BENCHMARKS

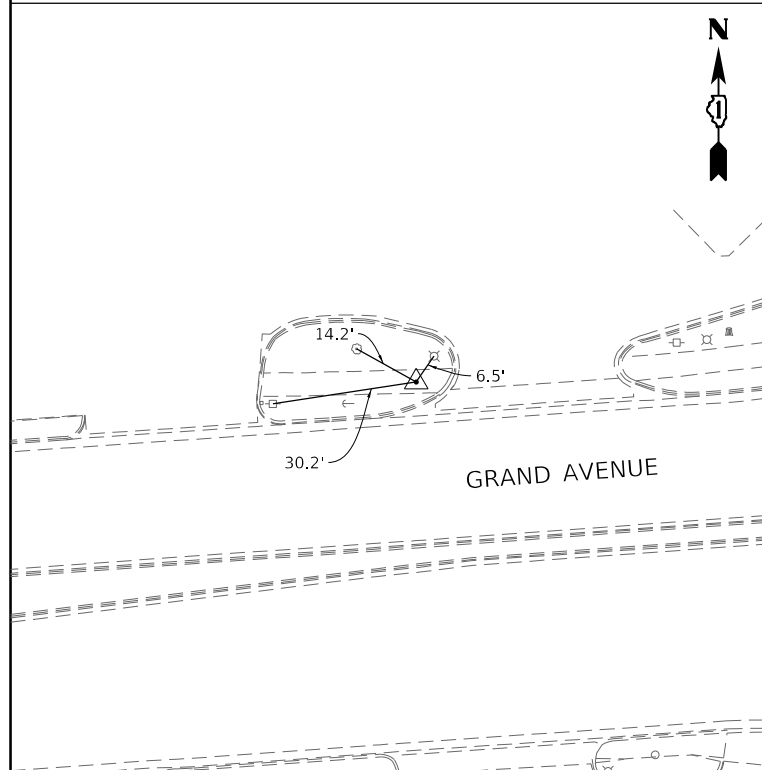
SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	22
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

**CONTROL POINT #9**

CUT 'X' IN SIDEWALK

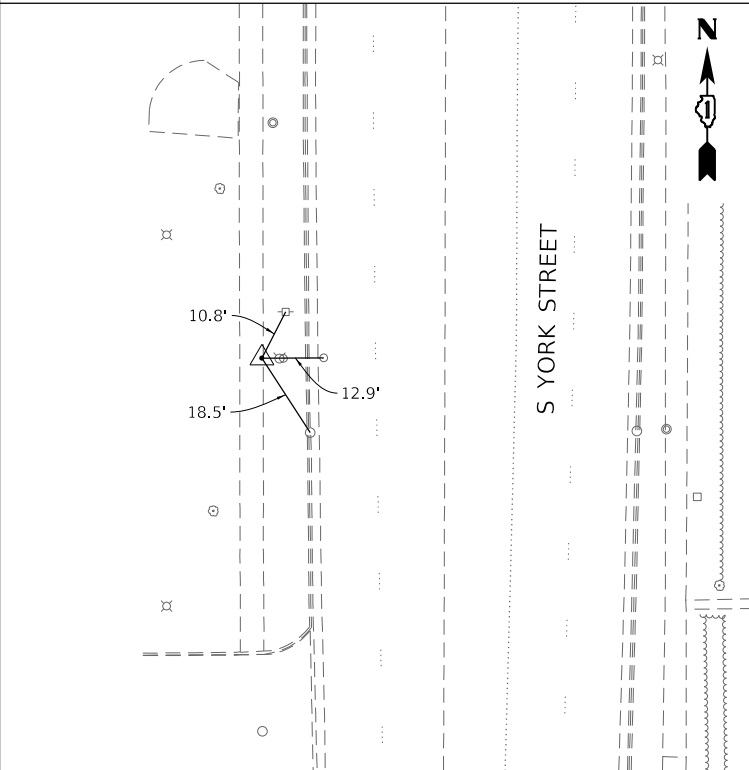
STA 198+01.45, 41.82' LT  
 N 1,917,873.668  
 E 1,091,172.949  
 EL 693.97



**CONTROL POINT #10**

CUT 'X' IN SIDEWALK

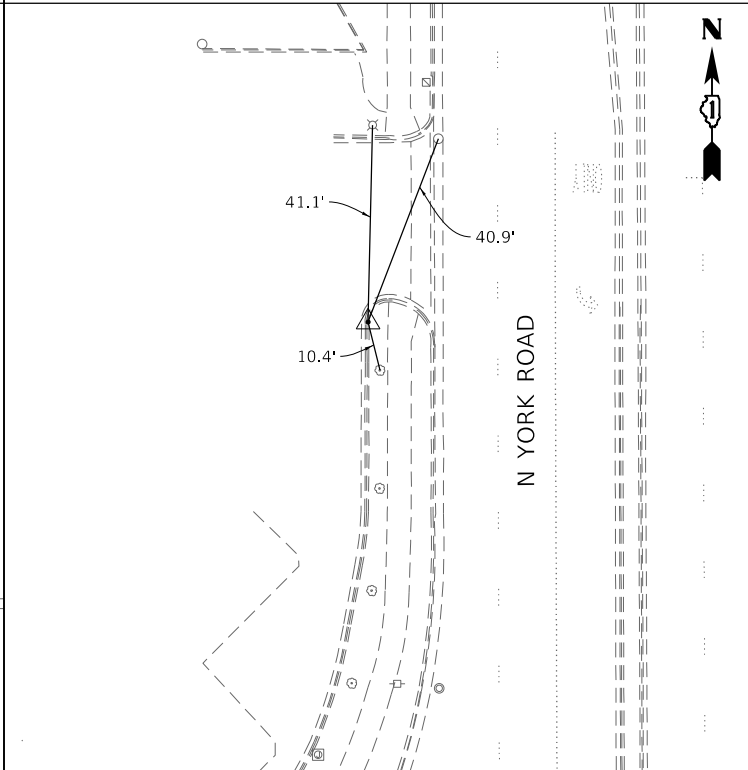
STA 45+45.44(YORK), 43.97' LT  
 N 1,917,391.385  
 E 1,091,328.797  
 EL 687.64



**CONTROL POINT #11**

CUT 'X' ON BACK OF CURB

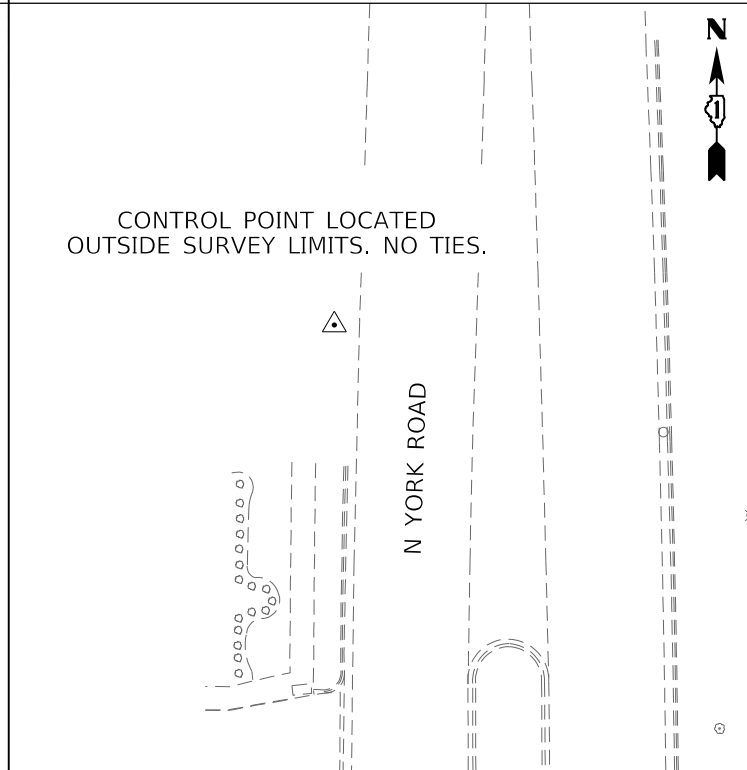
STA 51+76.69(YORK), 48.84' LT  
 N 1,918,022.397  
 E 1,091,324.665  
 EL 692.69



**CONTROL POINT #12**

CUT 'X' IN SIDEWALK

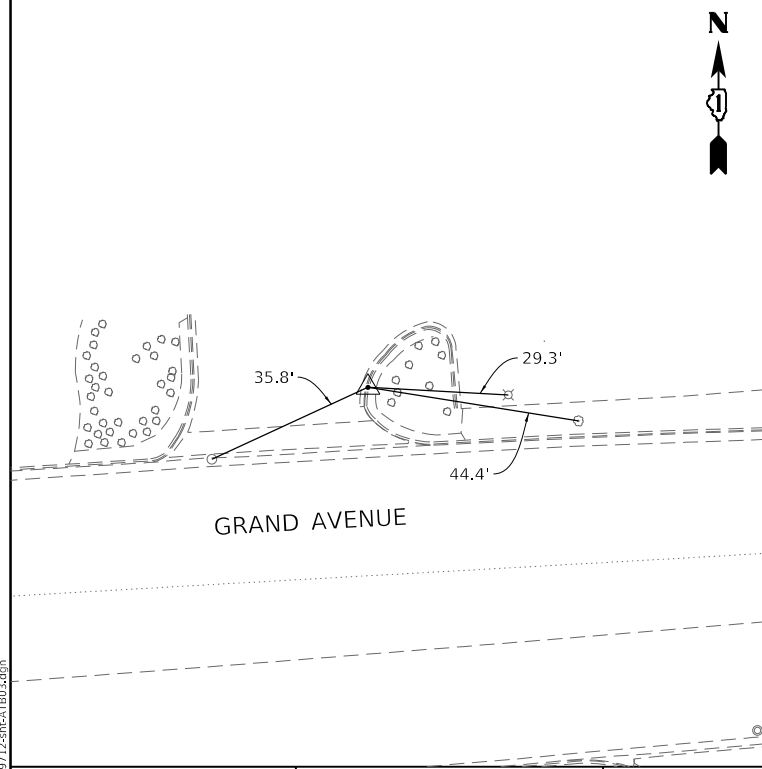
STA 55+23.84(YORK), 36.16 LT  
 N 1,918,369.579  
 E 1,091,336.489  
 EL 686.70



**CONTROL POINT #13**

CUT 'X' IN SIDEWALK

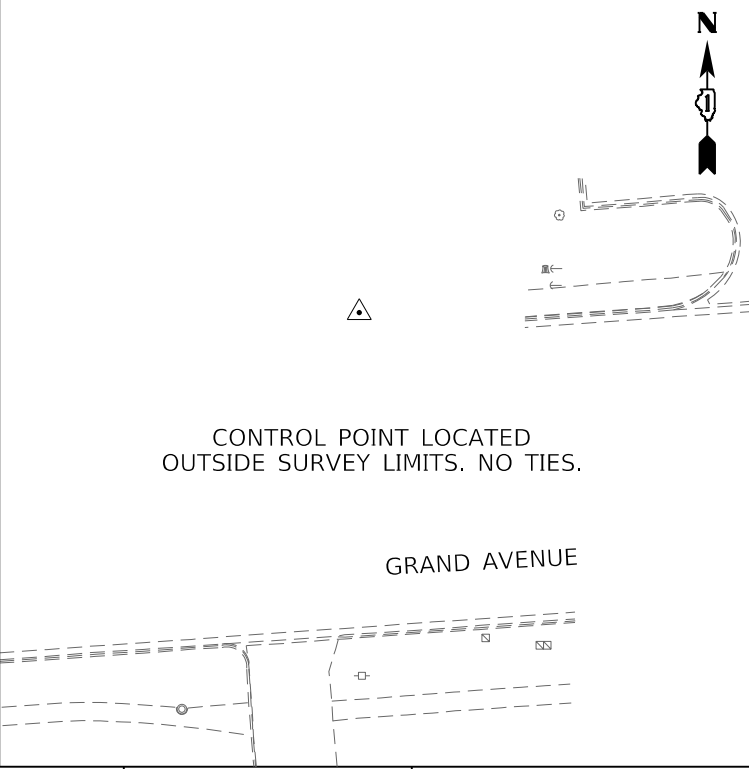
STA 204+83.43, 47.69' LT  
 N 1,917,926.683  
 E 1,091,852.878  
 EL 690.75



**CONTROL POINT #14**

CUT 'X' IN SIDEWALK

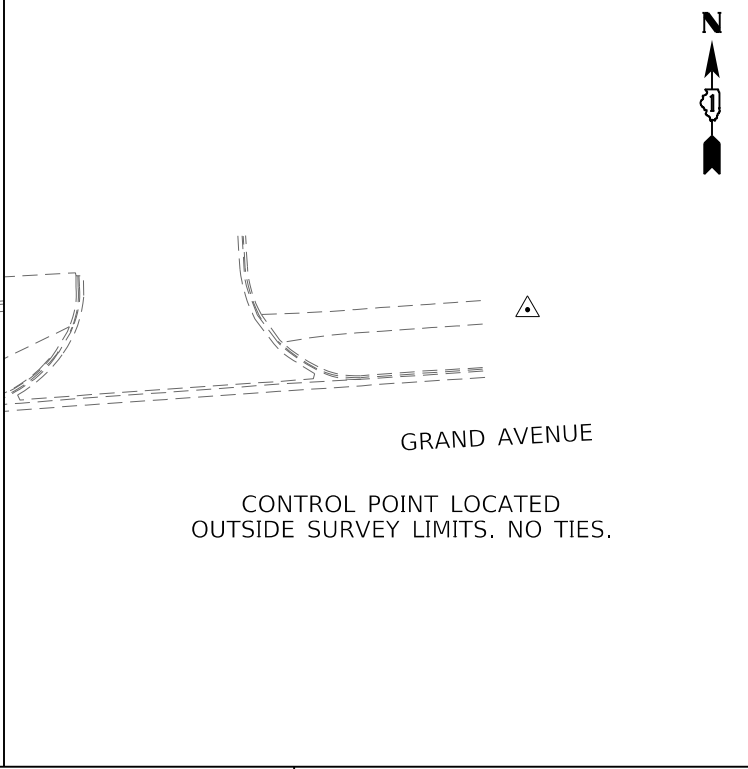
STA 208+63.99, 36.31' LT  
 N 1,917,942.463  
 E 1,092,233.265  
 EL 691.39



**CONTROL POINT #15**

CUT 'X' IN SIDEWALK

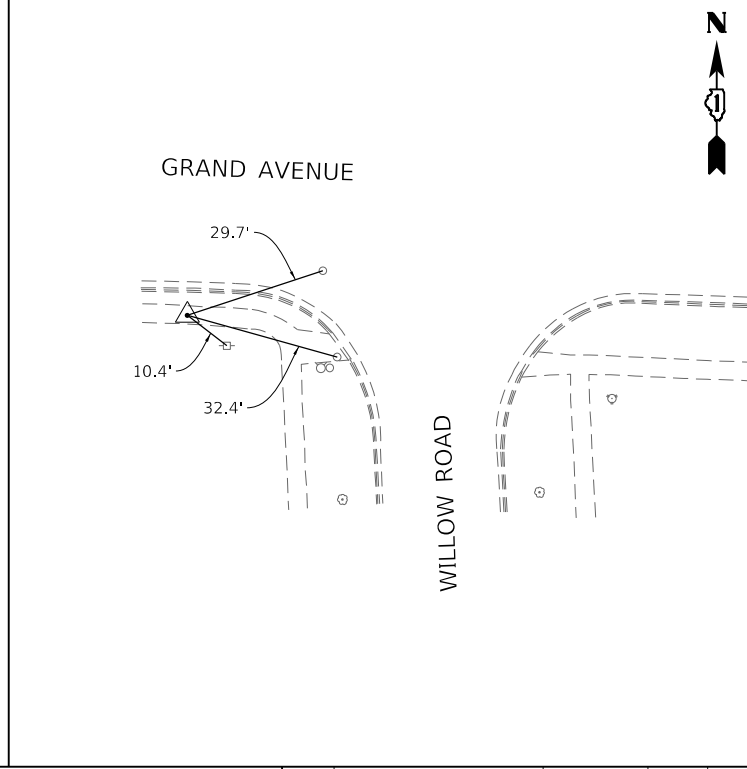
STA 211+91.93, 44.35' LT  
 N 1,917,973.402  
 E 1,092,559.925  
 EL 687.87



**CONTROL POINT #16**

CUT 'X' IN SIDEWALK

STA 216+92.51, 34.20' RT  
 N 1,917,907.189  
 E 1,093,062.562  
 EL 680.86



MODEL: Default  
 FILE NAME: 170712-rt-rt-AT003.dgn



USER NAME = jrobinson	DESIGNED - LTO
PLOT SCALE = 40,0000 ' / in.	DRAWN - LTO
PLOT DATE = 2/9/2021	CHECKED - JIR
	DATE -

REVISD -
REVISD -
REVISD -
REVISD -

REVISD -
REVISD -
REVISD -
REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
 ALIGNMENT, TIES, AND BENCHMARKS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	23
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

**SUMMARY OF PAVEMENT CORES**  
Grand Avenue, Lake St to County Line Rd and York Rd Intersection  
DuPage County Department of Transportation  
Elmhurst, IL

OBA Job No. 19003

Core No.	Thickness (in)	Comments
C-1	Grand Avenue, Westbound Left Turn Lane, 10' left of centerline	
	1.75	Surface Mixture, Well Consolidated, Bonded to Layer Below
	1.5	Binder Mixture, Well Consolidated
	10.25	Concrete, Well Consolidated
	6.0	Crushed Limestone Aggregate Clay-brown & gray 1.5 TSF, 21% Moisture Content
C-2	Grand Avenue, Eastbound Left Lane, 8' right of centerline	
	1.5	Surface Mixture, Well Consolidated, Bonded to Layer Below
	1.5	Binder Mixture, Well Consolidated
	10.25	Concrete, Well Consolidated, Steel Reinforcement at -7.25"
	4	Binder Mixture, Well Consolidated Clay-dark brown 1.25 TSF, 25% Moisture Content
C-3	Grand Avenue, Westbound Left Lane, 12' left of centerline	
	1.5	Surface Mixture, Well Consolidated, Bonded to Layer Below
	2.0	Binder Mixture, Well Consolidated
	9.75	Concrete, Well Consolidated, Steel Reinforcement at -7.25"
	4.25	Binder Mixture, Well Consolidated Clay-brown 2.0 TSF, 19% Moisture Content
C-4	Grand Avenue, Eastbound Right Lane, 19' right of centerline	
	1.75	Surface Mixture, Well Consolidated, Bonded to Layer Below
	1.75	Binder Mixture, Well Consolidated
	10.5	Concrete, Well Consolidated, Steel Reinforcement at -9.25"
	4.0	BAM Mixture, Well Consolidated Clay-dark brown 1.0 TSF, 24% Moisture Content
C-5	Grand Avenue, Eastbound Left Lane, 3' right of centerline	
	1.5	Surface Mixture, Well Consolidated, Bonded to Layer Below
	11.0	Binder Mixture, Well Consolidated
	4.75	Binder Mixture, Well Consolidated
	6.0+	Concrete Highly Fractured

O'BRIEN & ASSOCIATES, INC.

**SUMMARY OF PAVEMENT CORES**  
Grand Avenue, Lake St to County Line Rd and York Rd Intersection  
DuPage County Department of Transportation  
Elmhurst, IL

OBA Job No. 19003

Core No.	Thickness (in)	Comments
C-6	Grand Avenue, Westbound Right Lane, 22' left of centerline	
	3.75	Surface Mixture, Well Consolidated, Bonded to Layer Below
	2.5	Binder Mixture, Well Consolidated
	2.5	Binder Mixture, Well Consolidated
	6.25	Binder Mixture, Well Consolidated
C-7	Grand Avenue, Eastbound Left Lane, 10' right of centerline	
	1.75	Surface Mixture, Well Consolidated, Bonded to Layer Below
	2.75	Binder Mixture, Well Consolidated
	8.0	Binder Mixture, Well Consolidated
	5.5	Concrete, Fractured at Top
C-8	Grand Avenue, Westbound Left Lane, 9' left of centerline	
	1.75	Surface Mixture, Well Consolidated, Bonded to Layer Below
	12.25	Binder Mixture, Well Consolidated
C-9	Grand Avenue, Eastbound Right Lane, 17' right of centerline	
	1.5	Surface Mixture, Well Consolidated, Bonded to Layer Below
	3.75	Binder Mixture, Well Consolidated
	5.0	Binder Mixture, Well Consolidated
	6.0	Crushed Gravel Aggregate
C-10	Grand Avenue, Westbound Right Lane, 20' left of centerline	
	2.0	Surface Mixture, Well Consolidated, Bonded to Layer Below
	2.5	Binder Mixture, Well Consolidated
	9.0	Concrete, Well Consolidated
	4.5+	Crushed Gravel Aggregate Concrete, Fractured, partial recovery

O'BRIEN & ASSOCIATES, INC.

**SUMMARY OF PAVEMENT CORES**  
Grand Avenue, Lake St to County Line Rd and York Rd Intersection  
DuPage County Department of Transportation  
Elmhurst, IL

OBA Job No. 19003








Core No.	Thickness (in)	Comments
C-11	York Road, Northbound Left Turn Lane, 7' right of centerline	
	2.75	Surface Mixture, Well Consolidated, Bonded to Layer Below
	6.0	Binder Mixture, Well Consolidated
	1.5	Surface Mixture, Well Consolidated, Bonded to Layer Below
	6.25	Binder Mixture, Well Consolidated, Bonded to Layer Below Concrete, Well Consolidated
C-12	York Road, Southbound Left Turn Lane, 6' left of centerline	
	2.5	Surface Mixture, Well Consolidated, Bonded to Layer Below
	1.5	Surface Mixture, Well Consolidated, Bonded to Layer Below
	6.0	Binder Mixture, Well Consolidated
	1.5	Surface Mixture, Well Consolidated, Bonded to Layer Below
	4.5	Binder Mixture, Well Consolidated, Bonded to Layer Below
6.0	Concrete, Well Consolidated Clay-black <0.25 TSF, 29% Moisture Content	

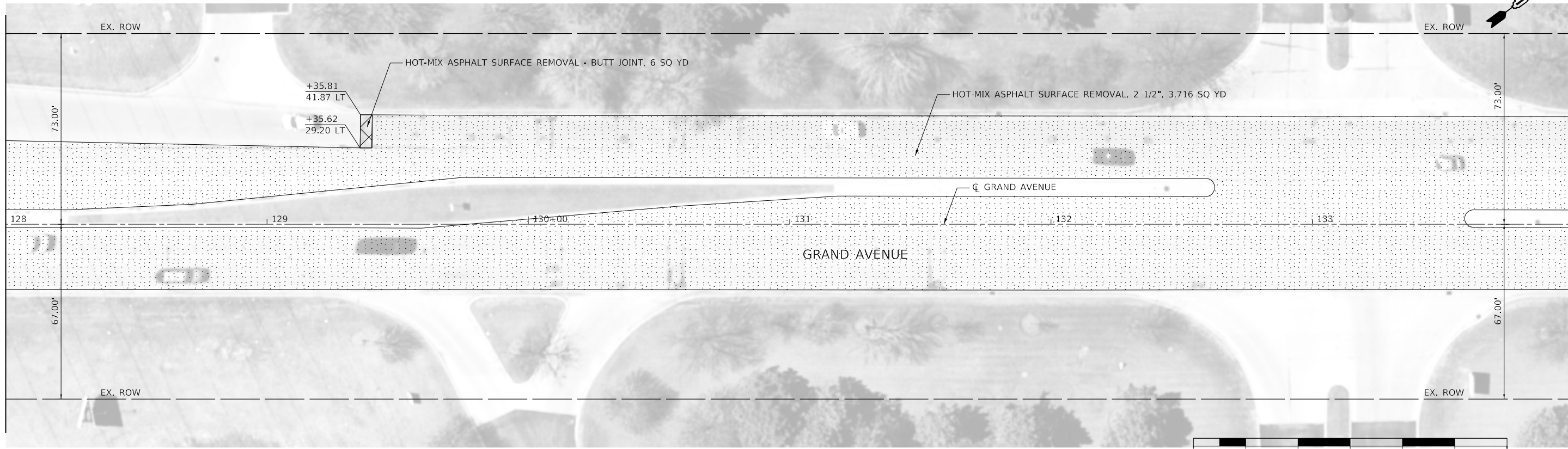
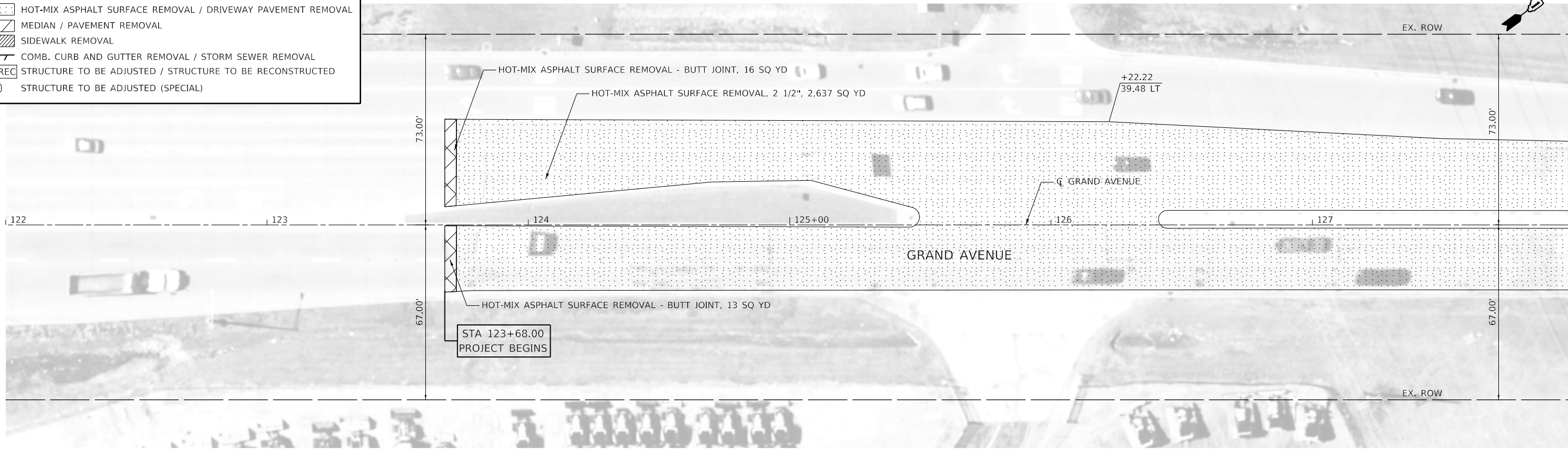
O'BRIEN & ASSOCIATES, INC.

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**REMOVALS LEGEND**

-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
-  MEDIAN / PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
-  STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
-  STRUCTURE TO BE ADJUSTED (SPECIAL)



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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

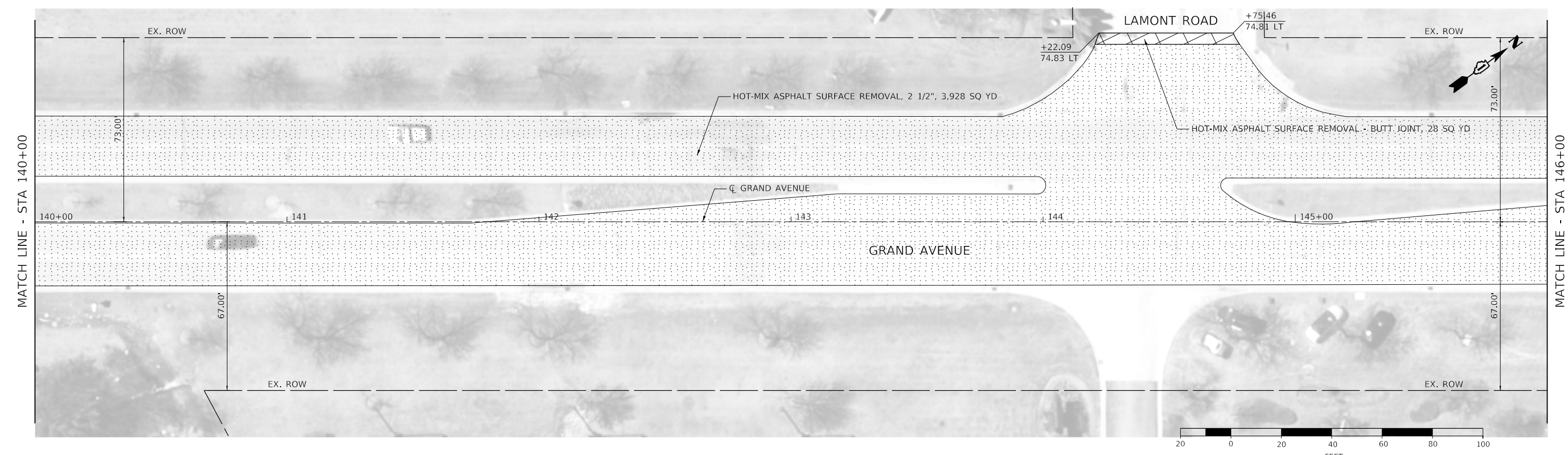
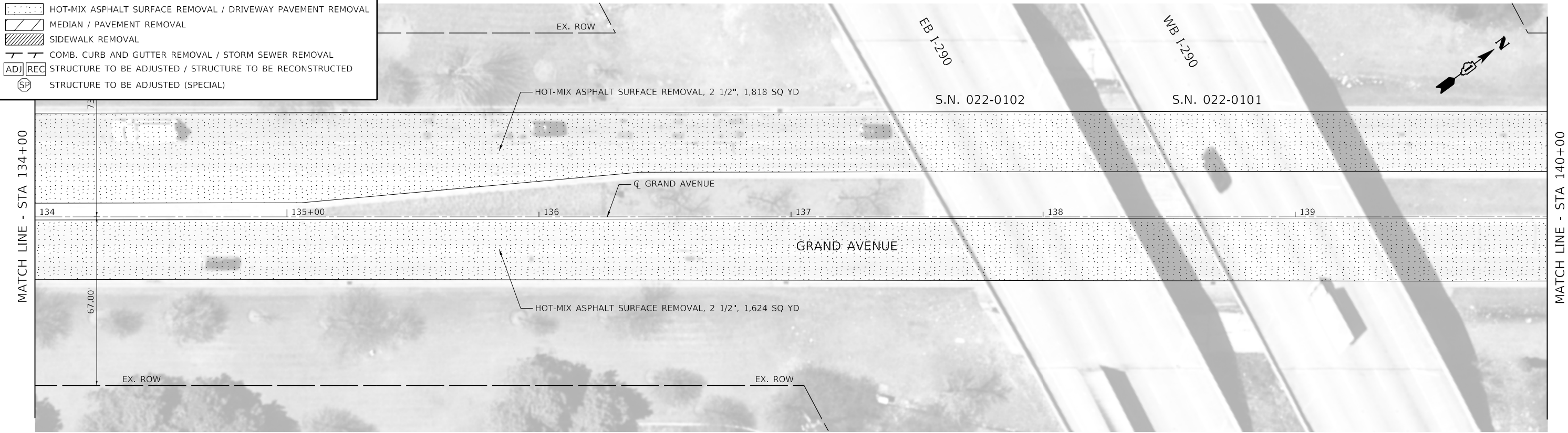
**GRAND AVENUE  
REMOVAL PLAN**

SCALE: 1" = 20'    SHEET 1 OF 13 SHEETS    STA. 122+00 TO STA. 134+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	25
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

**REMOVALS LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
	MEDIAN / PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
	STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE TO BE ADJUSTED (SPECIAL)



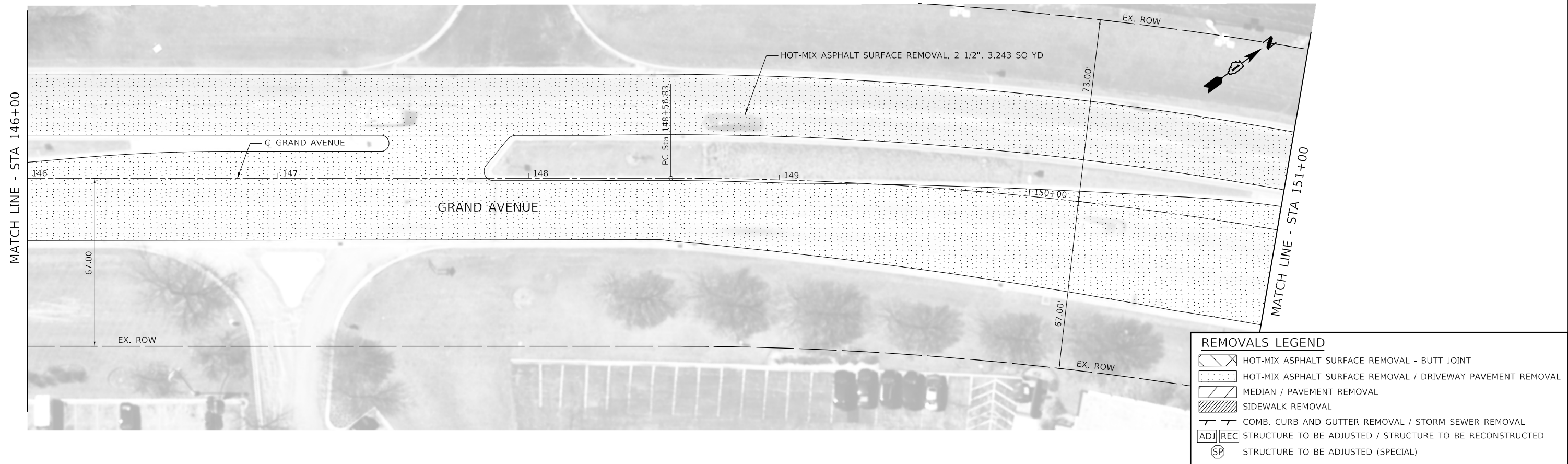
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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

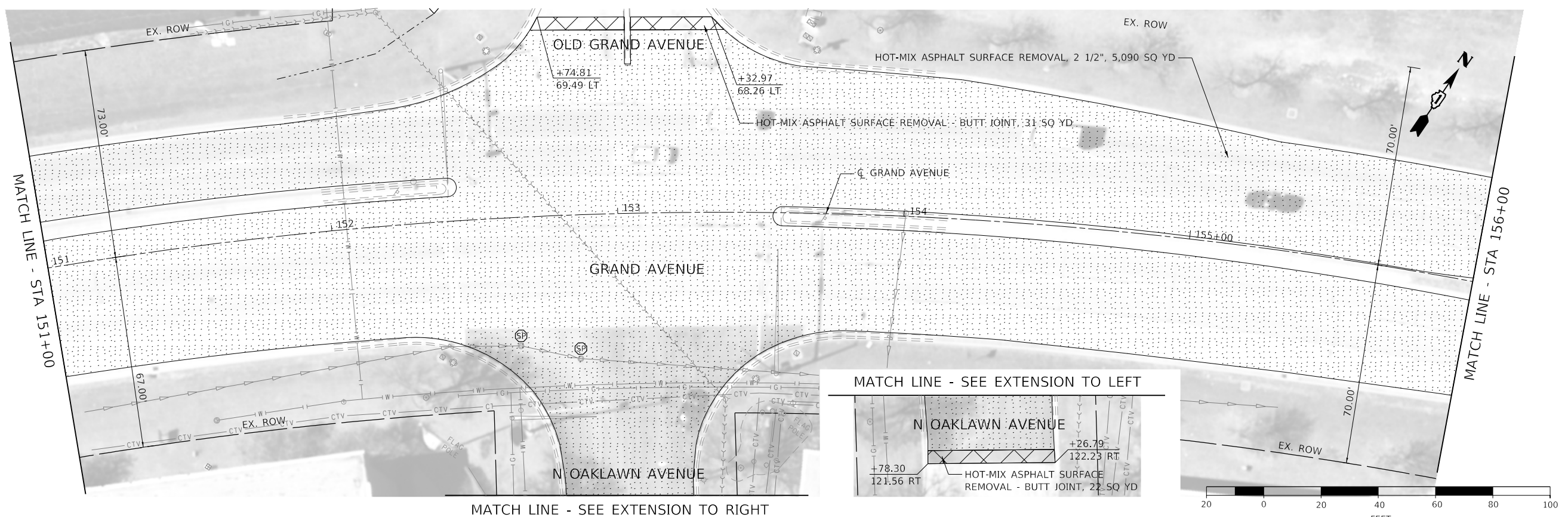
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>GRAND AVENUE</b> <b>REMOVAL PLAN</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		1376	17-00272-03-SP	DUPAGE	174	26
SCALE: 1" = 20' SHEET 2 OF 13 SHEETS STA. 134+00 TO STA. 146+00		CONTRACT NO. 61H02 ILLINOIS FED. AID PROJECT				



**REMOVALS LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
- MEDIAN / PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
- STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE TO BE ADJUSTED (SPECIAL)



MODEL: Default  
 FILE NAME: 17-00272-03-SP-rem-03.dgn



USER NAME = jrobinson	DESIGNED - LTO	REVISED -
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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

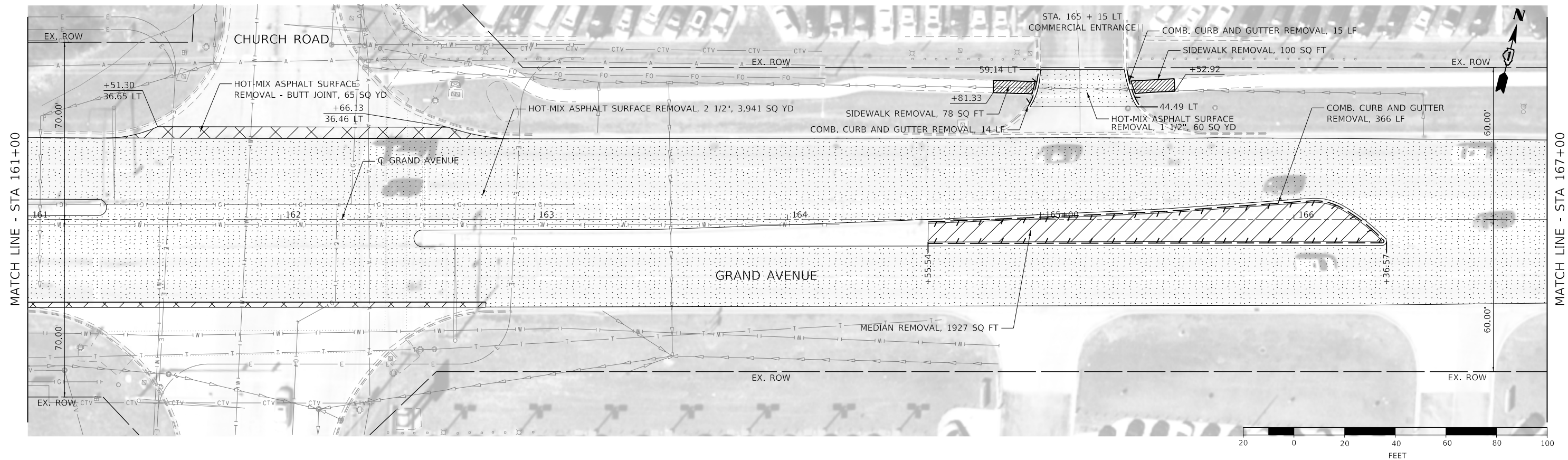
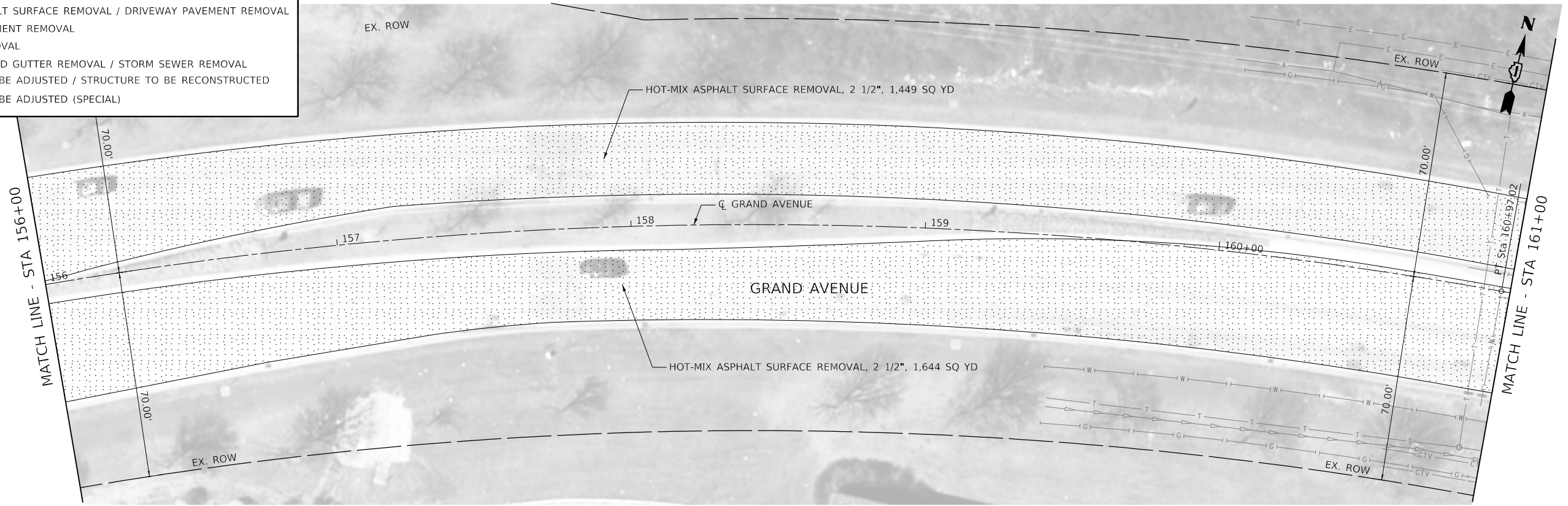
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>GRAND AVENUE REMOVAL PLAN</b>	
SCALE: 1" = 20'	SHEET 3 OF 13 SHEETS
STA. 146+00	TO STA. 156+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	27
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

**REMOVALS LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
	MEDIAN / PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
	STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE TO BE ADJUSTED (SPECIAL)



MODEL: Default  
FILE NAME: 17-00272-03-SP-HDR-00.dgn



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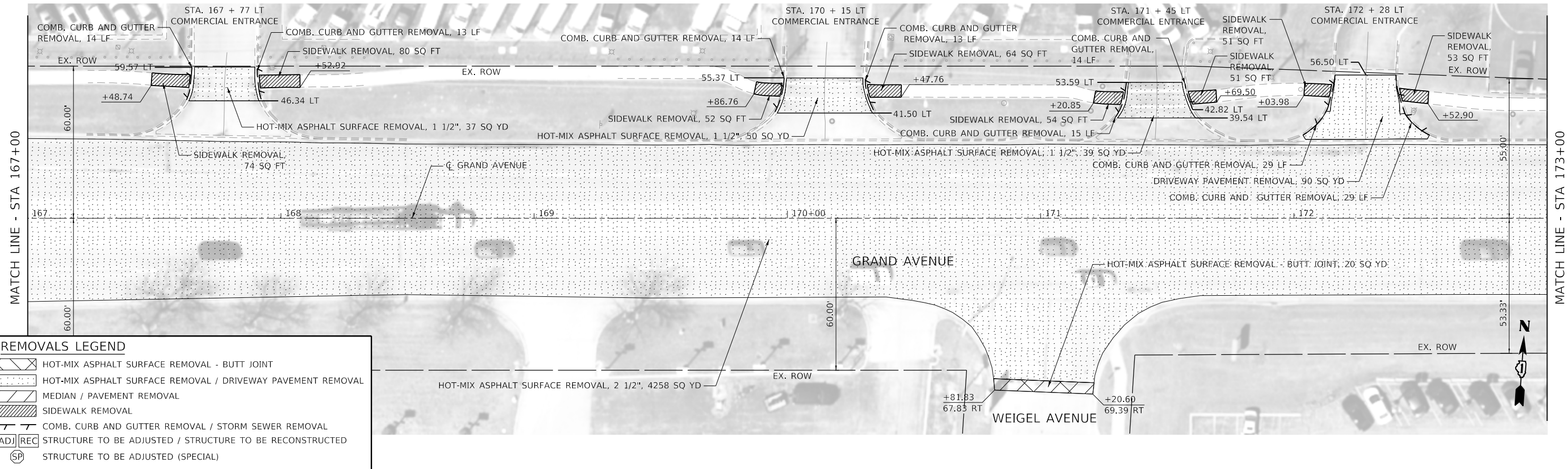
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
 REMOVAL PLAN**

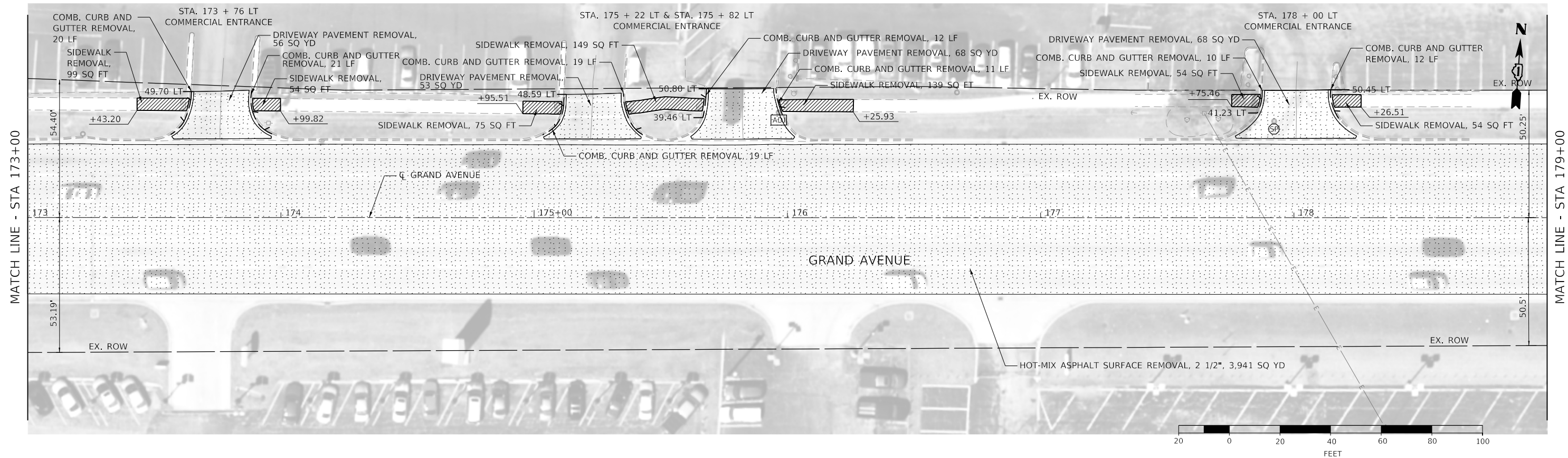
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	28
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



**REMOVALS LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
	MEDIAN / PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
	STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE TO BE ADJUSTED (SPECIAL)



MODEL: Default  
 FILE NAME: 173+00-179+00-SP.dwg



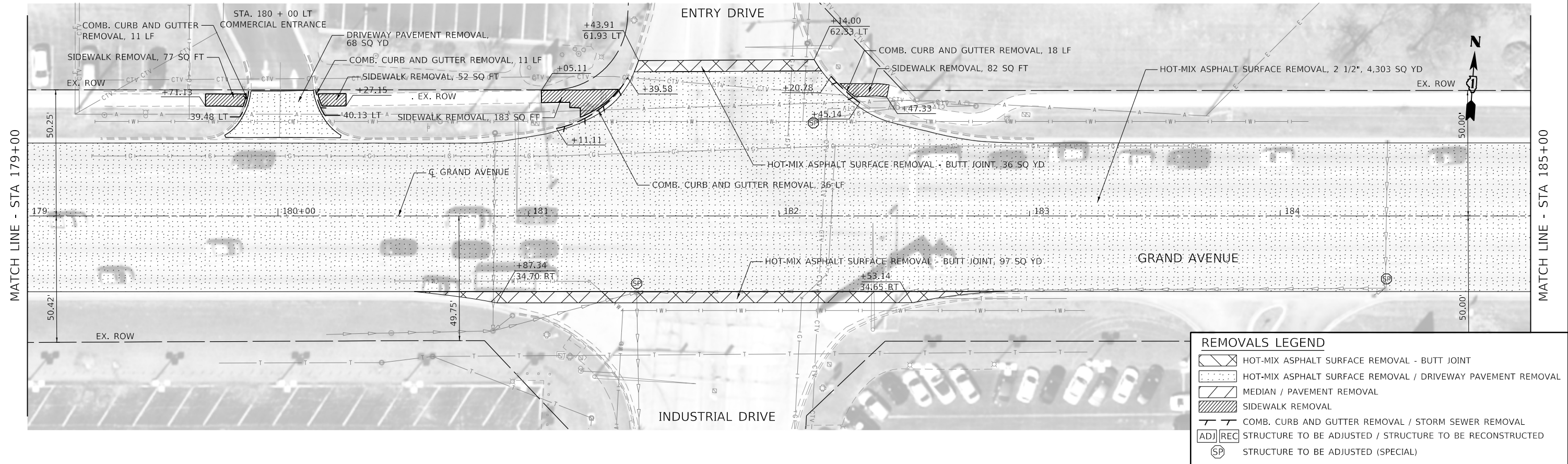
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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

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

**GRAND AVENUE**  
**REMOVAL PLAN**

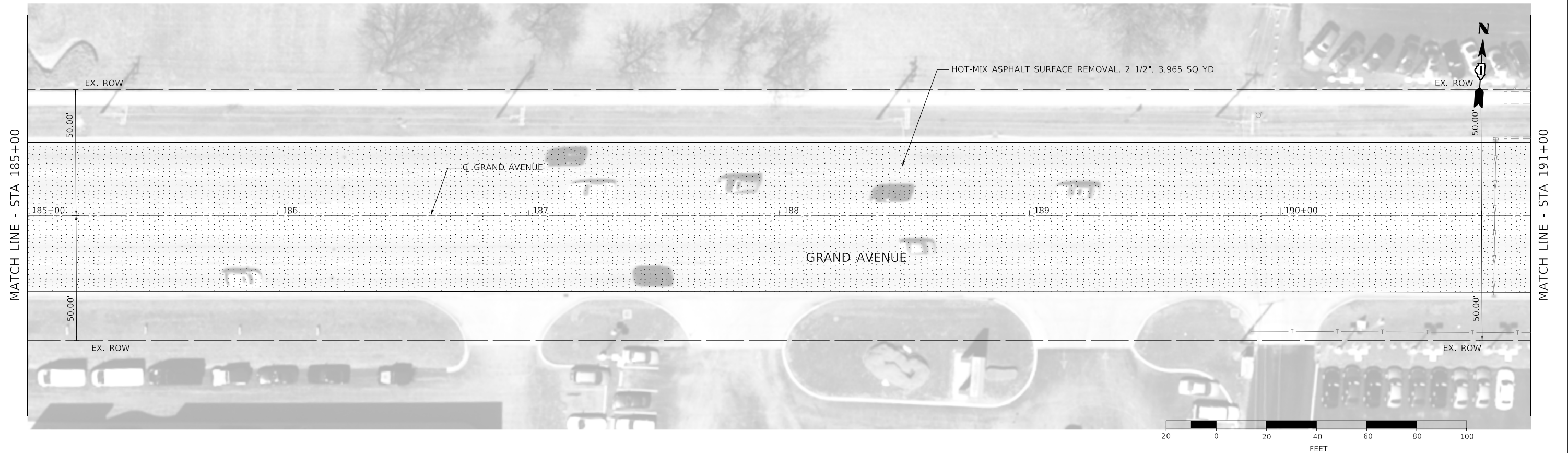
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	29
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



**REMOVALS LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
- MEDIAN / PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
- STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE TO BE ADJUSTED (SPECIAL)



MODEL: Default  
FILE: 1376\_17-00272-03-SP-rem-06.dgn



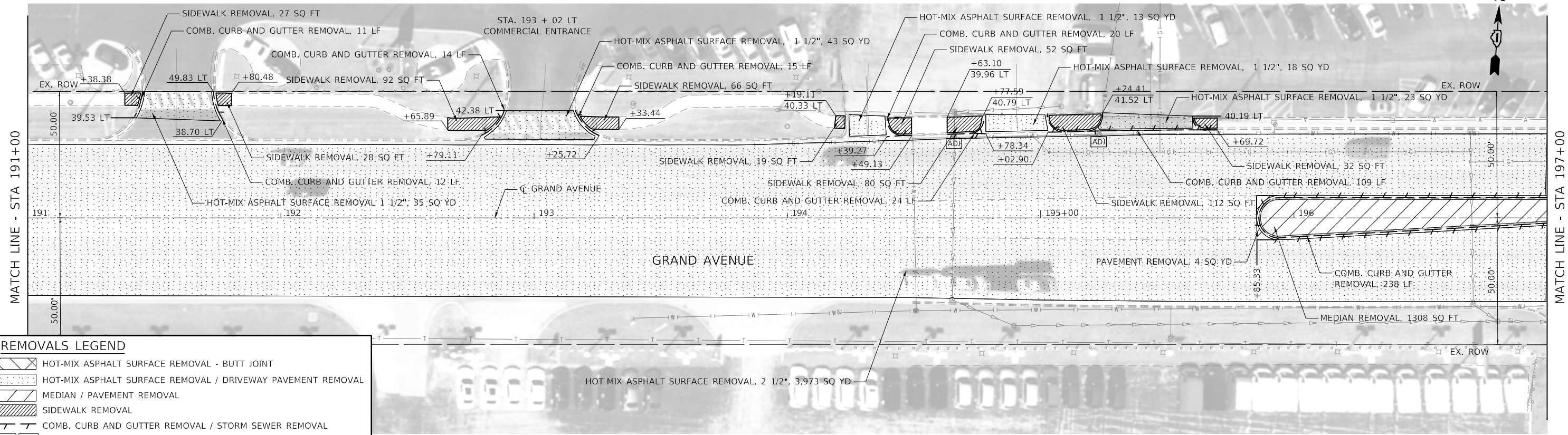
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
REMOVAL PLAN**

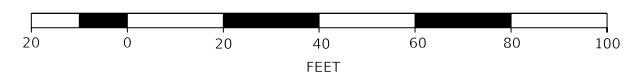
SCALE: 1" = 20'    SHEET 6 OF 13 SHEETS    STA. 179+00 TO STA. 191+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	30
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



**REMOVALS LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
	MEDIAN / PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
	STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE TO BE ADJUSTED (SPECIAL)



MODEL: Default  
 FILE NAME: 17-00272-03-SP-HR-rem-07.dgn



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PLOT DATE = 2/9/2021	DATE -	REVISED -








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

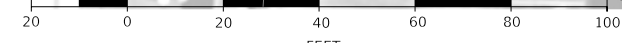
**GRAND AVENUE**  
**REMOVAL PLAN**

SCALE: 1" = 20'    SHEET 7 OF 13 SHEETS    STA. 191+00 TO STA. 197+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	31
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	

**REMOVALS LEGEND**

-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
-  MEDIAN / PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
-  STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
-  STRUCTURE TO BE ADJUSTED (SPECIAL)



MODEL: Default  
FILE: 1376\_17-00272-03-SP.dwg



USER NAME = jrobinson	DESIGNED - LTO	REVISED -
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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

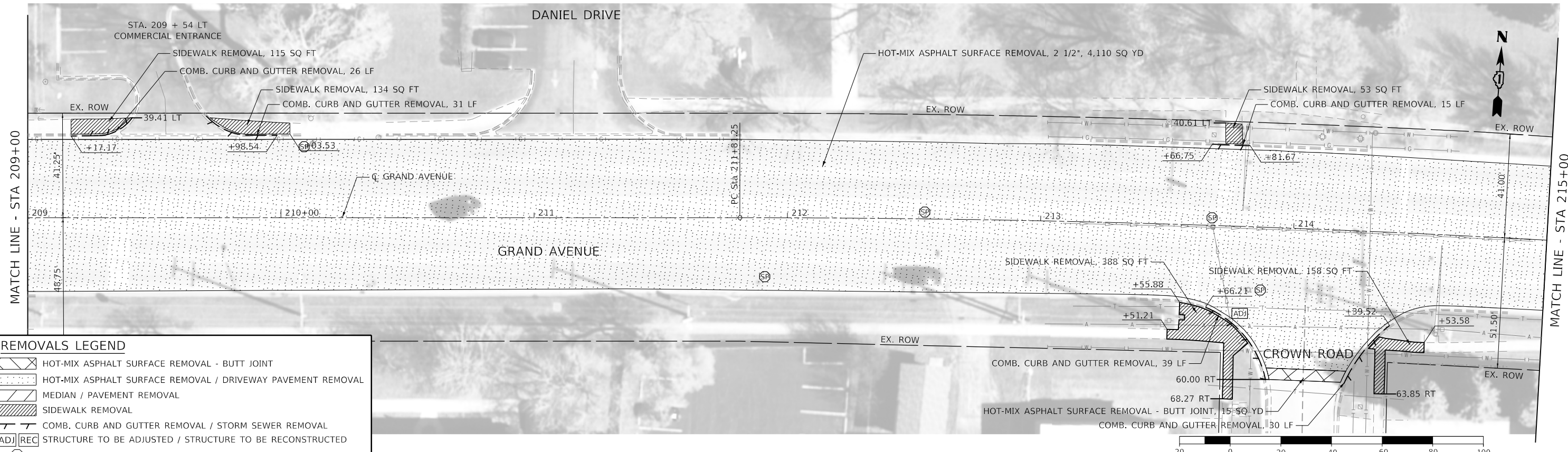
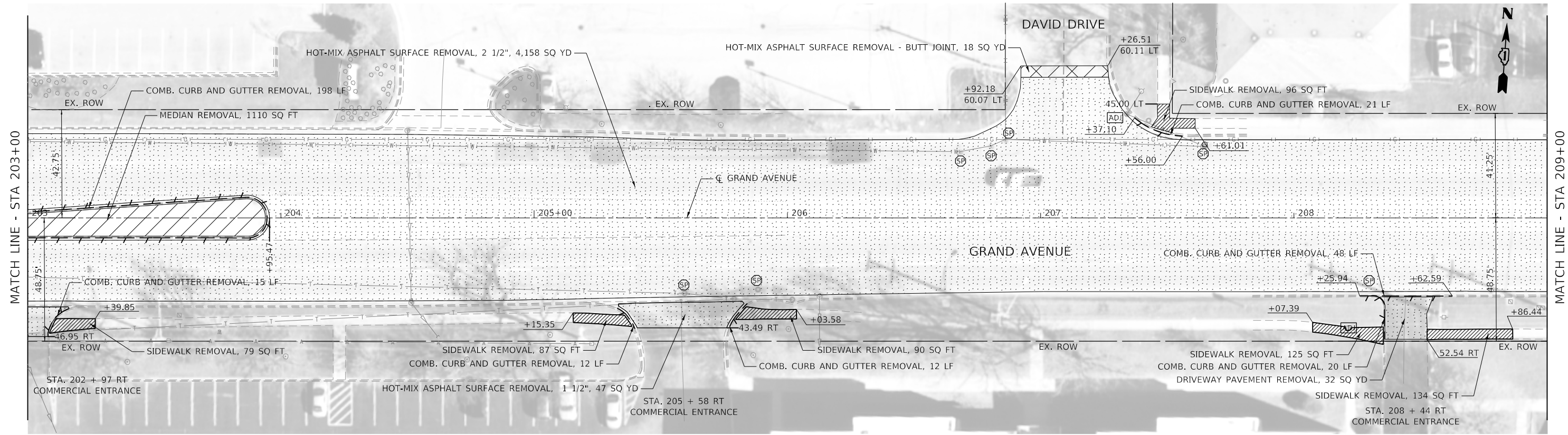
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
REMOVAL PLAN**

SCALE: 1" = 20'    SHEET 8 OF 13 SHEETS    STA. 197+00 TO STA. 203+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	32
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				





**REMOVALS LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
	MEDIAN / PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
	STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE TO BE ADJUSTED (SPECIAL)

MODEL: Default  
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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

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

**GRAND AVENUE**  
**REMOVAL PLAN**

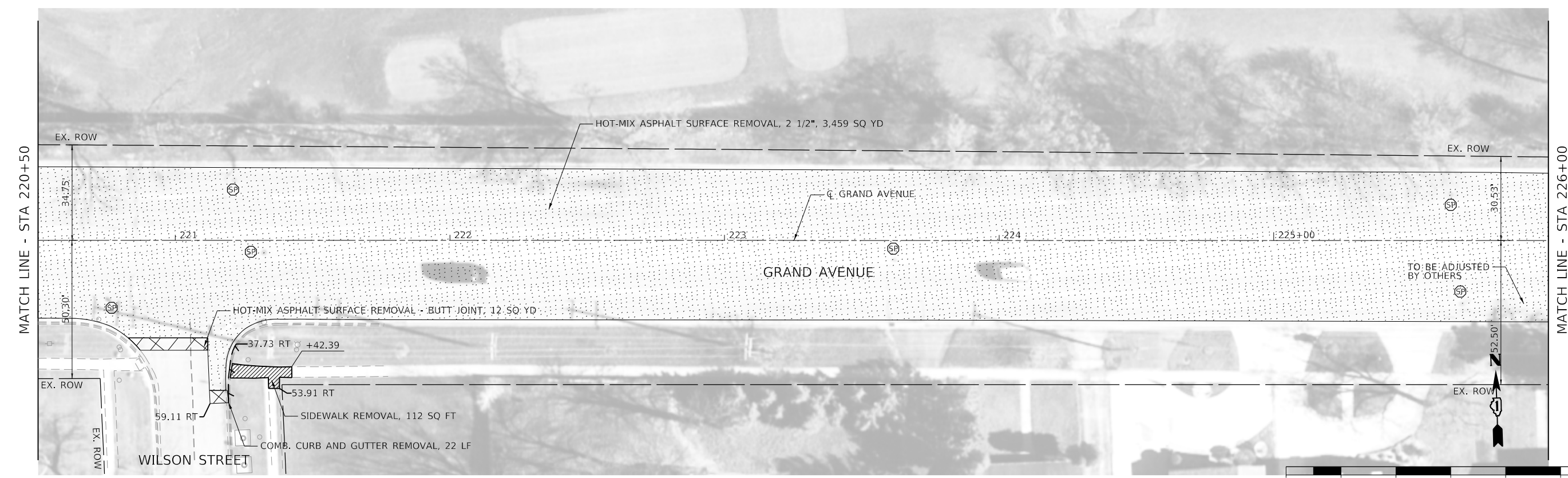
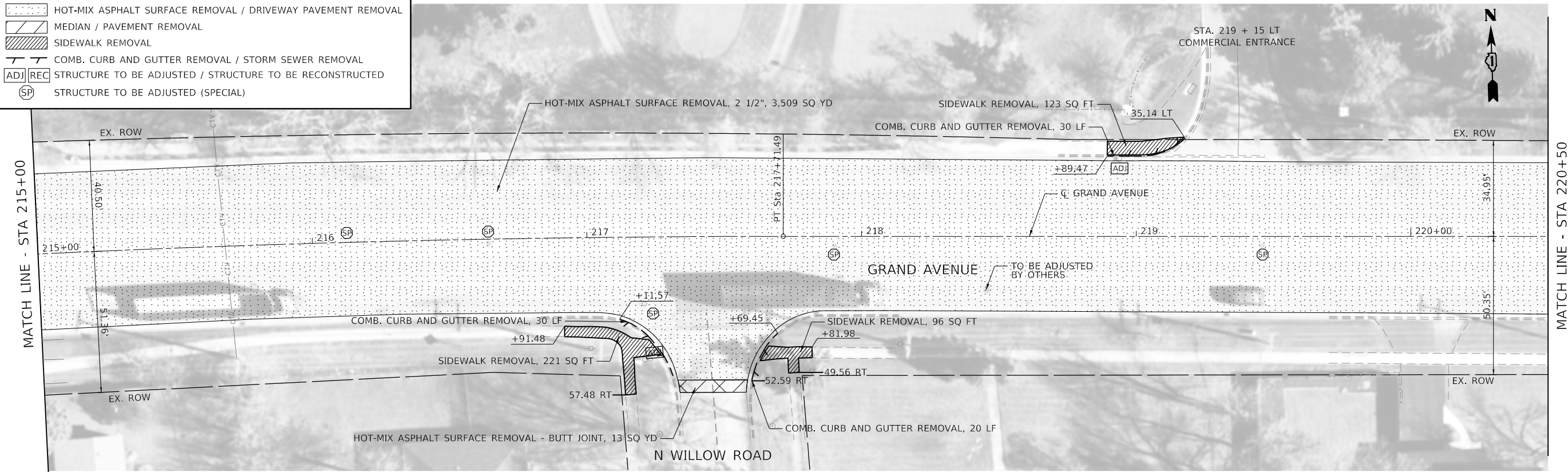
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	33
CONTRACT NO. 61H02				

ILLINOIS FED. AID PROJECT

**REMOVALS LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
	MEDIAN / PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
	STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE TO BE ADJUSTED (SPECIAL)



MODEL: Default  
FILE NAME: 17-00272-03-SP-rem-10.dgn



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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

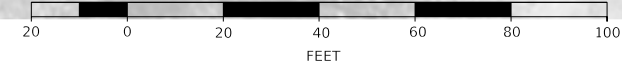
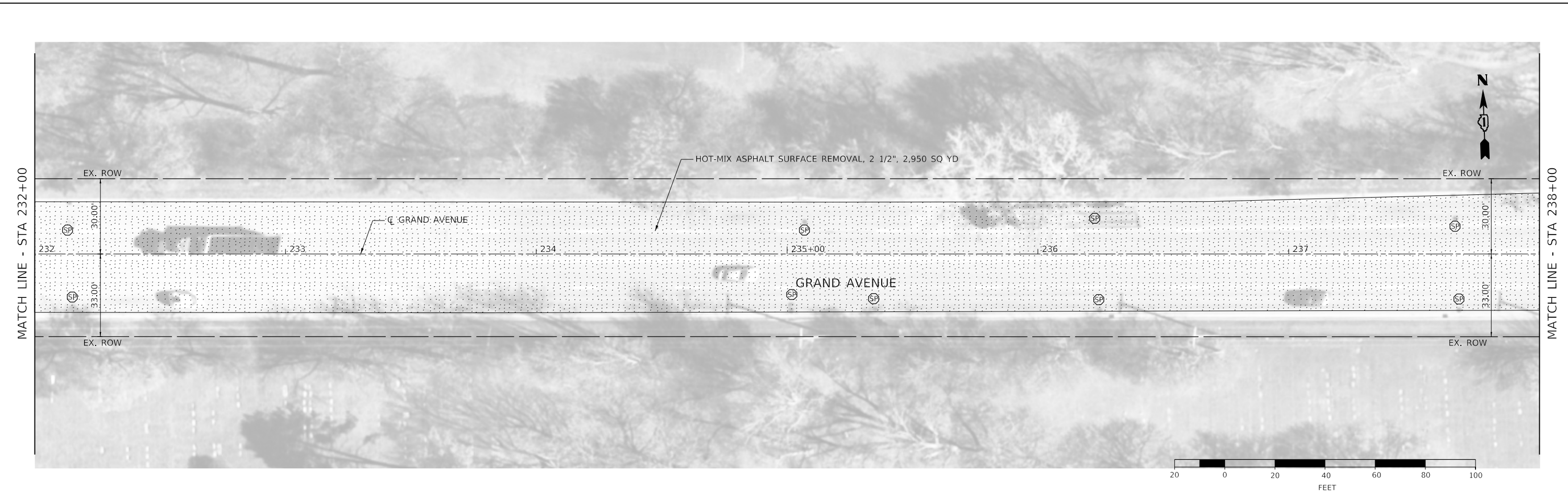
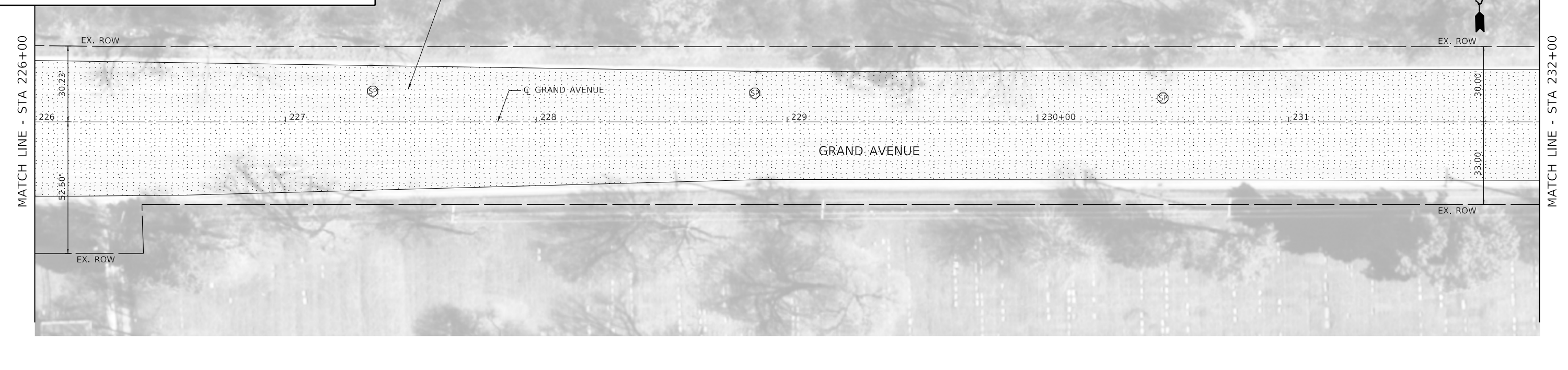
**GRAND AVENUE  
REMOVAL PLAN**

SCALE: 1" = 20'    SHEET 10 OF 13 SHEETS    STA. 215+00 TO STA. 226+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	34
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

**REMOVALS LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
	MEDIAN / PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
	STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE TO BE ADJUSTED (SPECIAL)



MODEL: Default  
 FILE NAME: 17-00272-03-SP-Highway-11.dgn



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PLOT DATE = 2/9/2021	DATE -	REVISED -








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

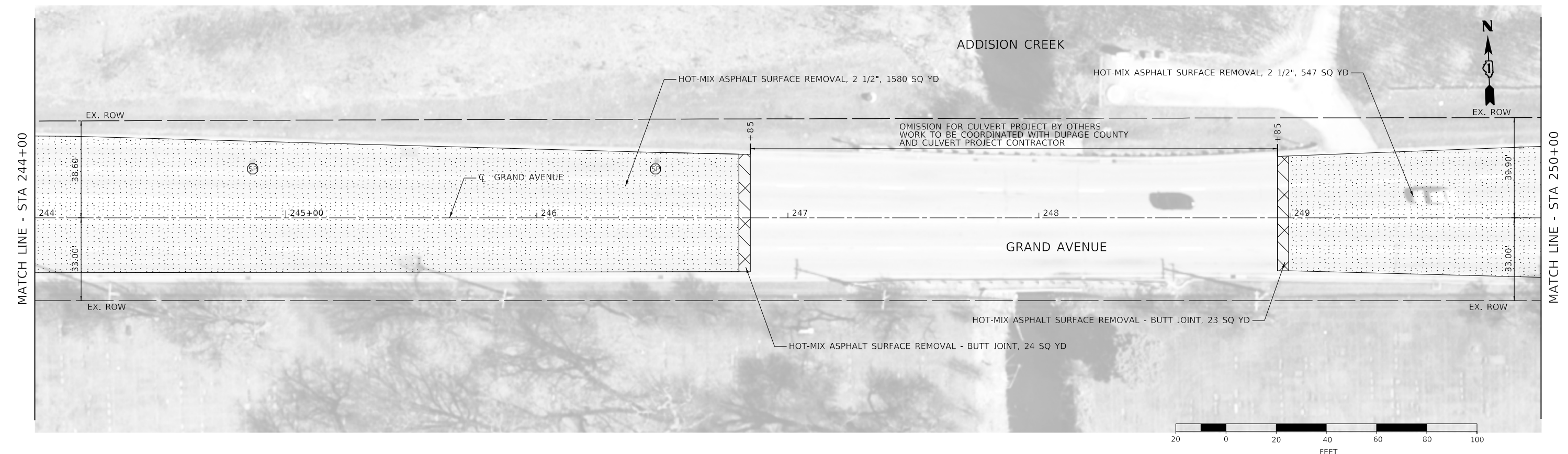
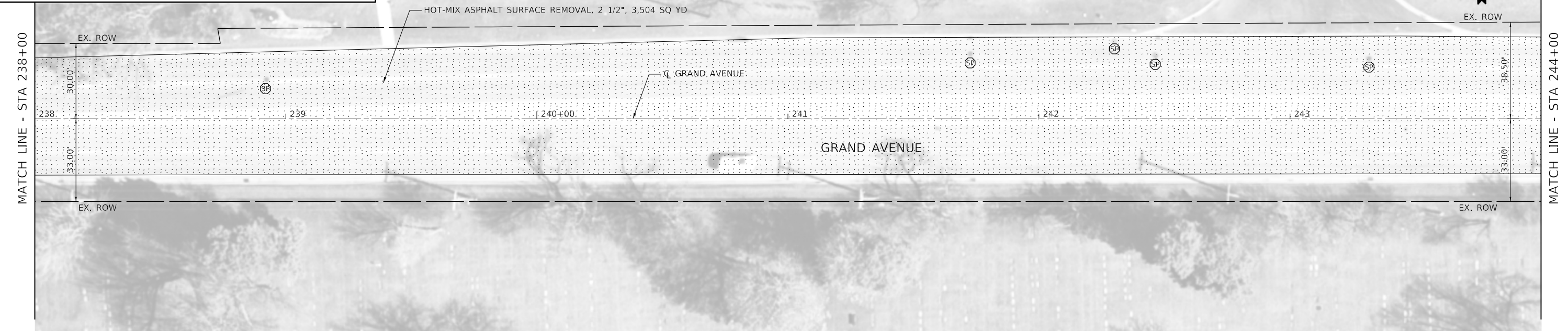
**GRAND AVENUE**  
**REMOVAL PLAN**

SCALE: 1" = 20'    SHEET 11 OF 13 SHEETS    STA. 226+00 TO STA. 238+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	35
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	

**REMOVALS LEGEND**

-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
-  MEDIAN / PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
-  STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
-  STRUCTURE TO BE ADJUSTED (SPECIAL)



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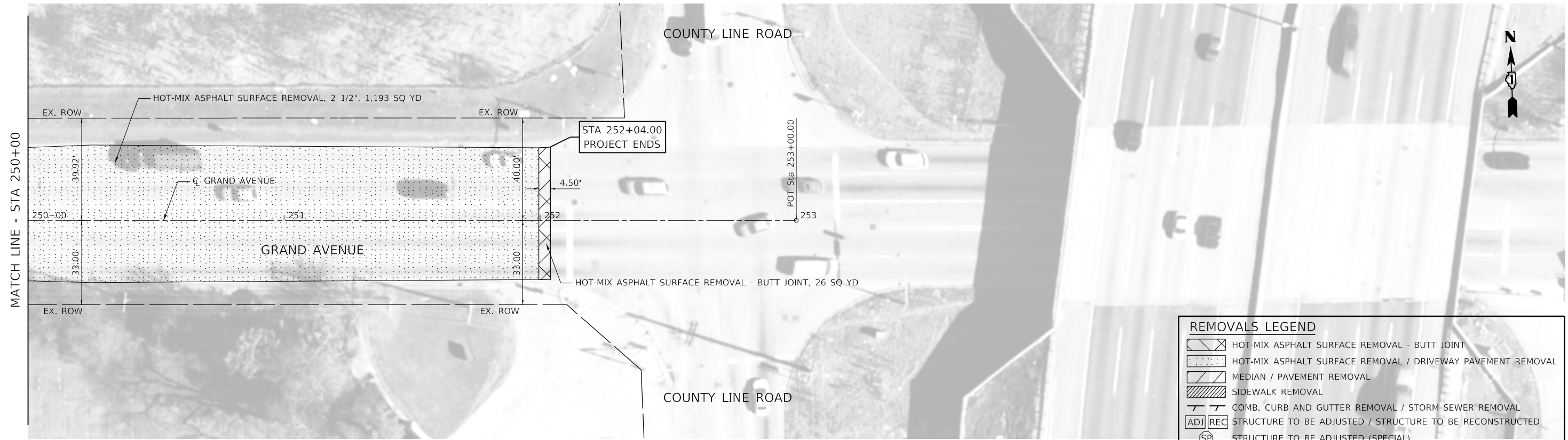
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	DRAWN - LTO	REVISED -
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

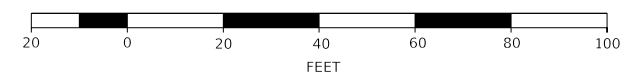
**GRAND AVENUE  
REMOVAL PLAN**

SCALE: 1" = 20'    SHEET 12 OF 13 SHEETS    STA. 238+00 TO STA. 250+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	36
			CONTRACT NO. 61H02	
		ILLINOIS	FED. AID PROJECT	



REMOVALS LEGEND	
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL / DRIVEWAY PAVEMENT REMOVAL
	MEDIAN / PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB AND GUTTER REMOVAL / STORM SEWER REMOVAL
	STRUCTURE TO BE ADJUSTED / STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE TO BE ADJUSTED (SPECIAL)



MODEL: Default  
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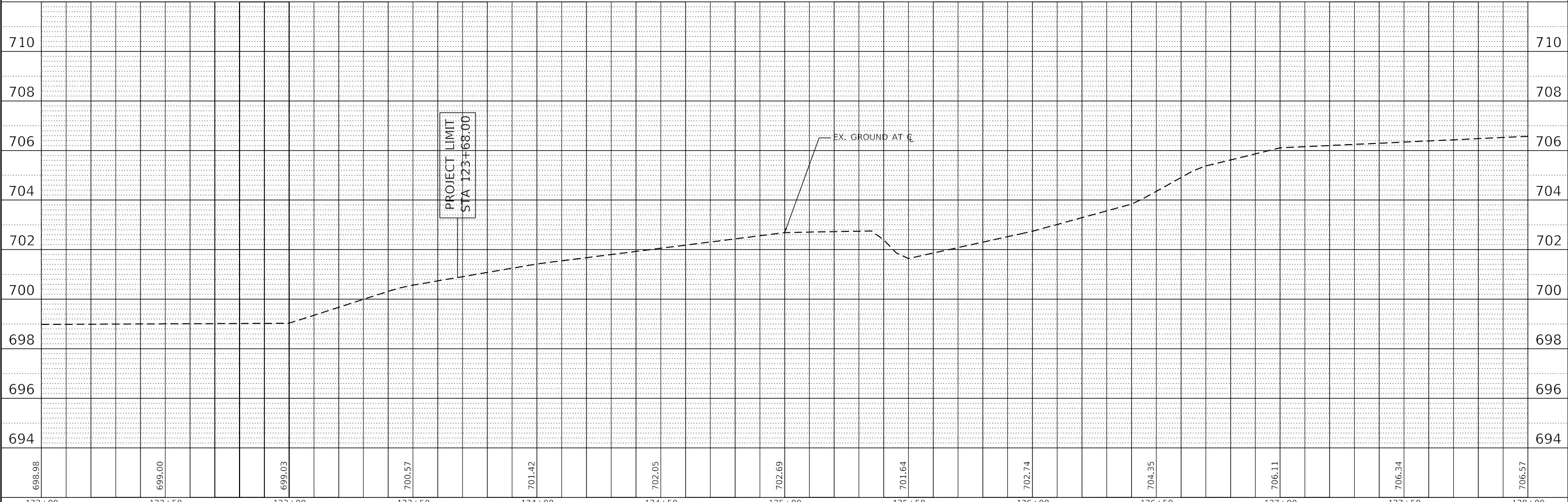
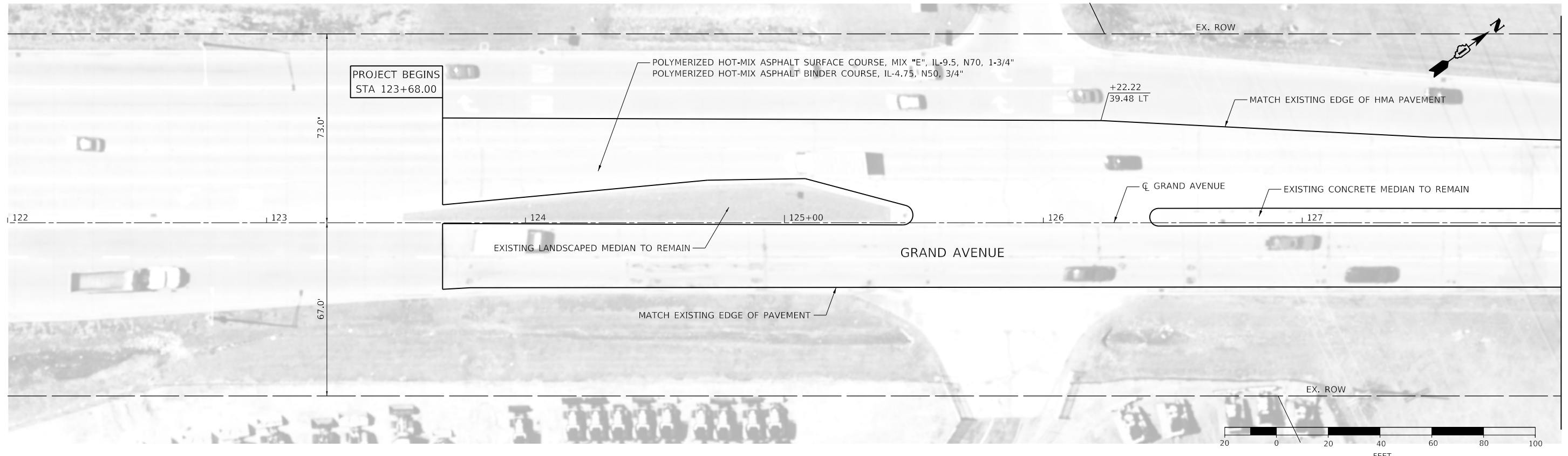
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	DRAWN - LTO	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

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

**GRAND AVENUE**  
**REMOVAL PLAN**

SCALE: 1" = 20'    SHEET 13 OF 13 SHEETS    STA. 250+00 TO STA. 252+04

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	37
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	



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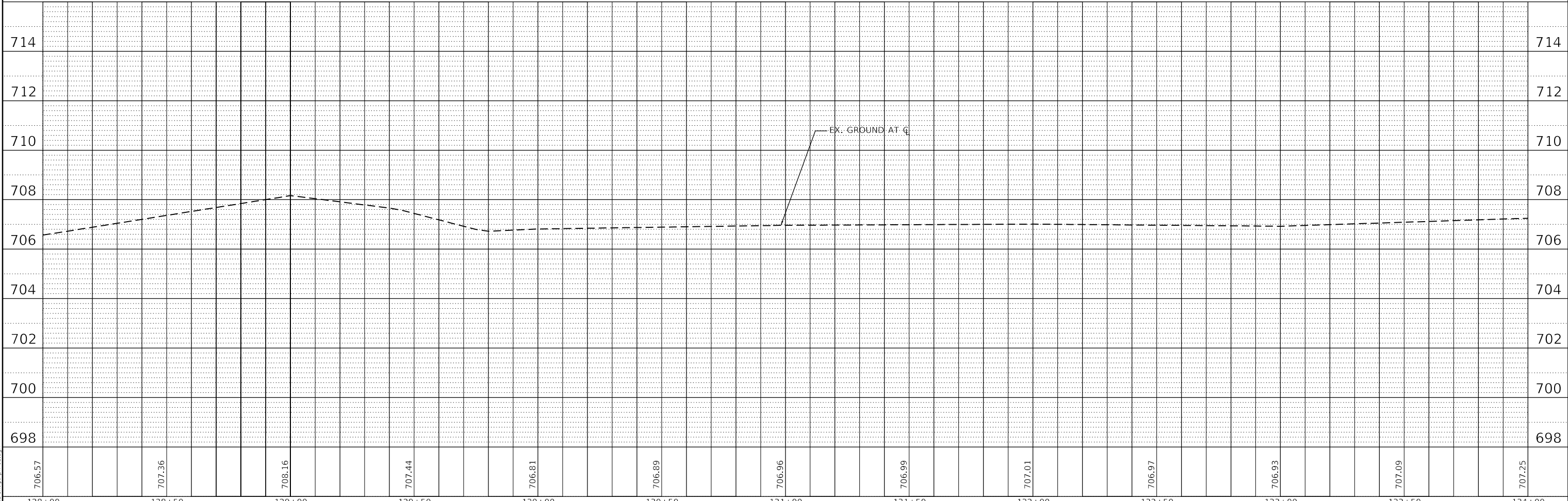
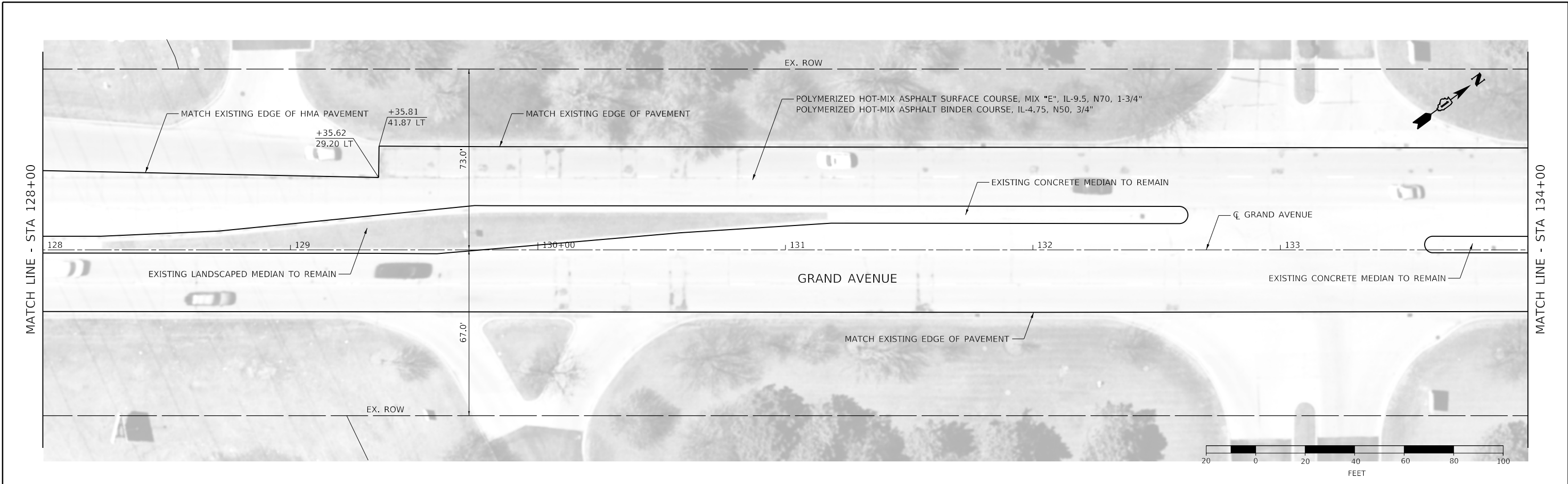
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DRAWN - LTO	REVISED -	
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
ROADWAY PLAN AND PROFILE**

SCALE: 1" = 20'    SHEET 1 OF 23 SHEETS    STA. 122+00 TO STA. 128+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	38
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	



MODEL: Default  
FILE NAME: 139712-actp1p1r-d02.dgn

706.57	707.36	708.16	707.44	706.81	706.89	706.96	706.99	707.01	706.97	706.93	707.09	707.25
128+00	128+50	129+00	129+50	130+00	130+50	131+00	131+50	132+00	132+50	133+00	133+50	134+00



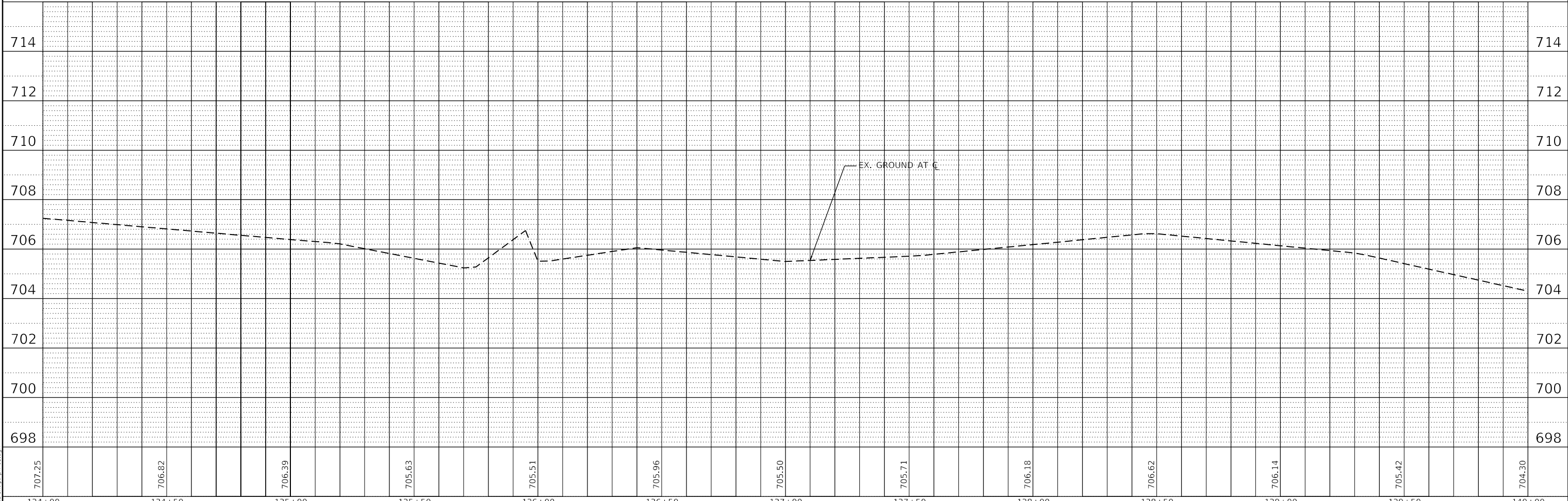
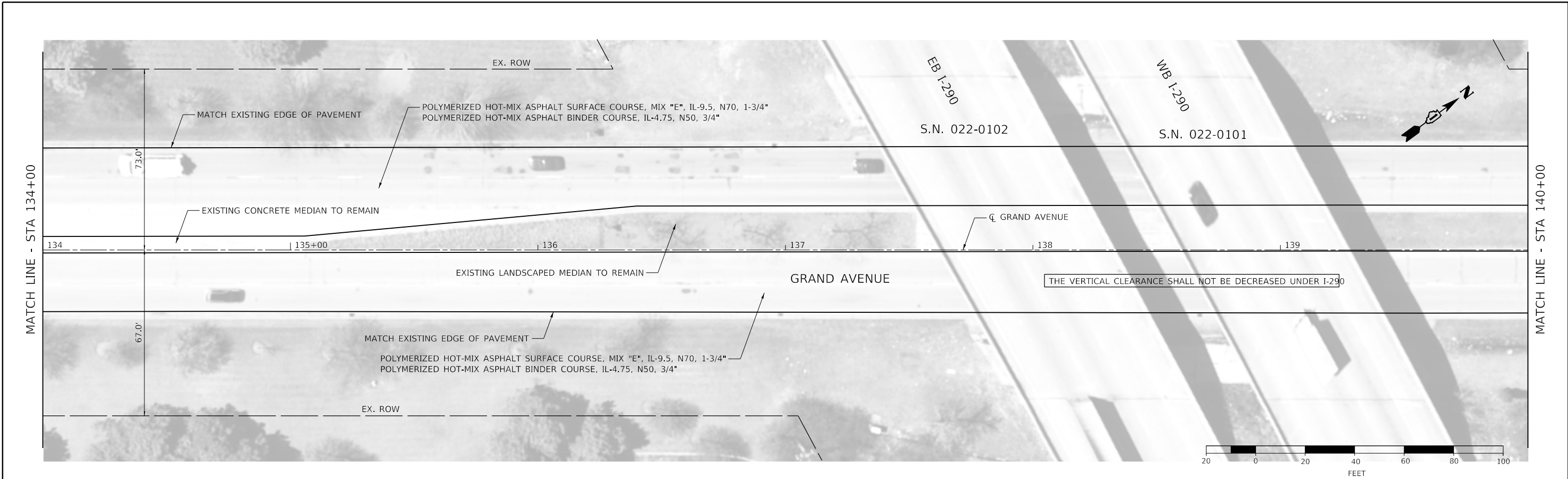
USER NAME = jrobinson	DESIGNED - LTO	REVISED -
DRAWN - LTO	REVISED -	
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
ROADWAY PLAN AND PROFILE**

SCALE: 1" = 20'    SHEET 2 OF 23 SHEETS    STA. 128+00 TO STA. 134+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	39
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

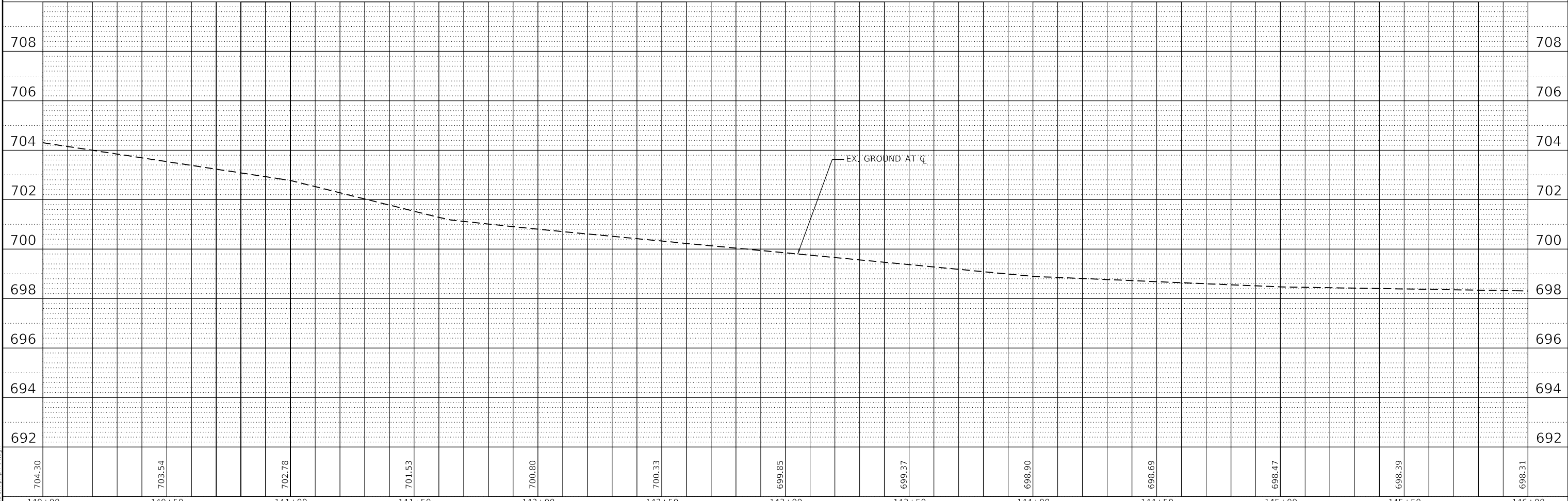
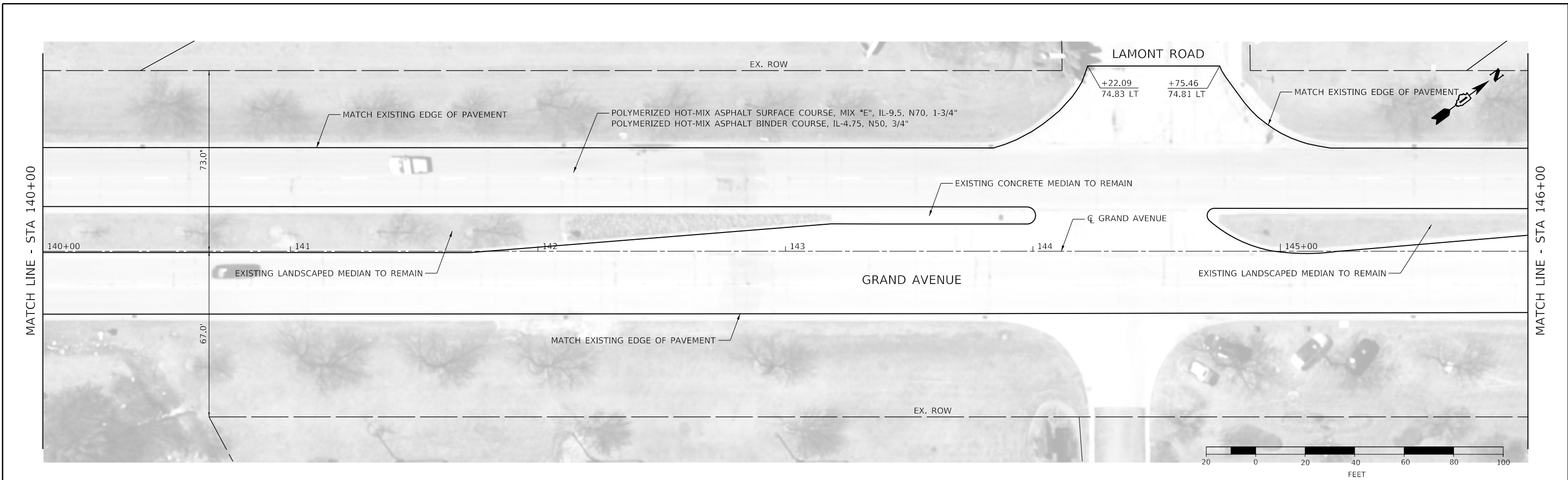


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	USER NAME = jrobinson PLOT SCALE = 40,0000 ' / in. PLOT DATE = 2/9/2021	DESIGNED - LTO DRAWN - LTO CHECKED - JIR DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GRAND AVENUE ROADWAY PLAN AND PROFILE</b>	SCALE: 1" = 20' SHEET 3 OF 23 SHEETS STA. 134+00 TO STA. 140+00	<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>1376</td> <td>17-00272-03-5P</td> <td></td> <td>174</td> <td>40</td> </tr> </table>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	1376	17-00272-03-5P		174	40
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.													
1376	17-00272-03-5P		174	40													

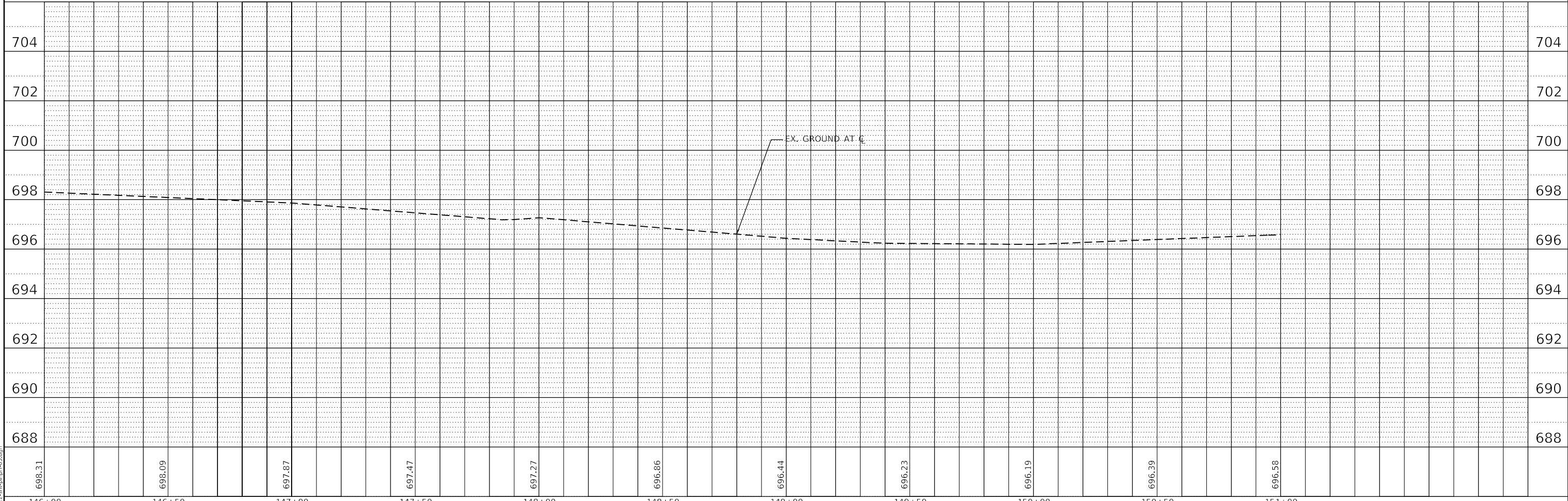
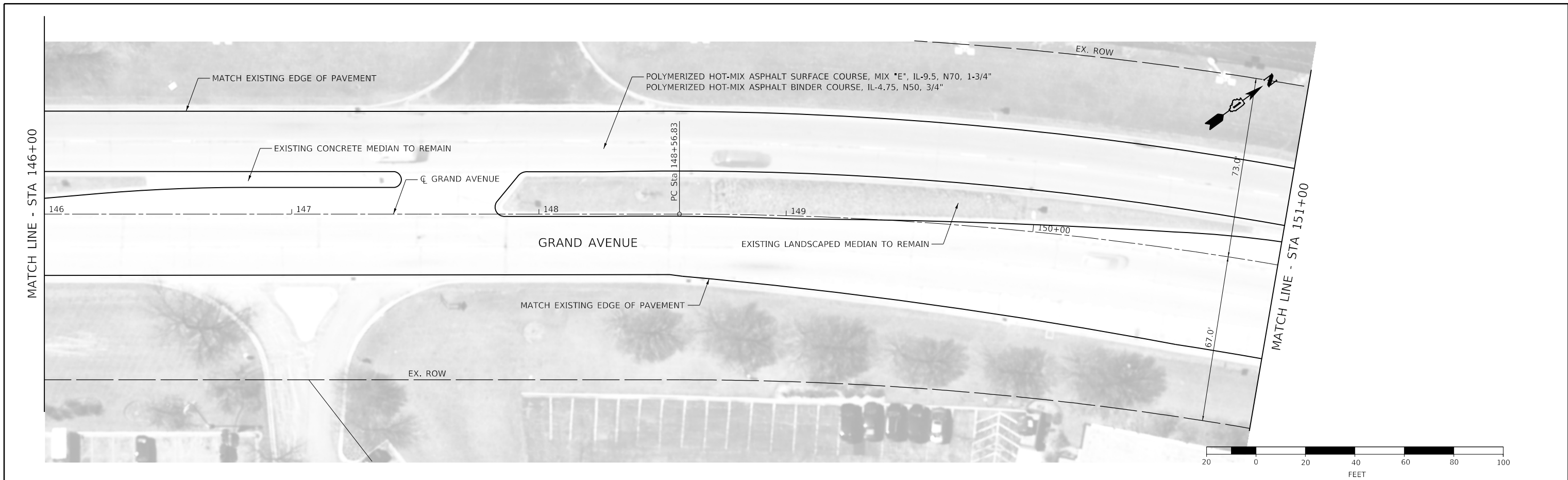
ILLINOIS	FED. AID PROJECT
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704.30	703.54	702.78	701.53	700.80	700.33	699.85	699.37	698.90	698.69	698.47	698.39	698.31
140+00	140+50	141+00	141+50	142+00	142+50	143+00	143+50	144+00	144+50	145+00	145+50	146+00

	USER NAME = jrobinson PLOT SCALE = 40.0000' / in. PLOT DATE = 2/9/2021	DESIGNED - LTO DRAWN - LTO CHECKED - JIR DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GRAND AVENUE</b> <b>ROADWAY PLAN AND PROFILE</b>	SCALE: 1" = 20' SHEET 4 OF 23 SHEETS STA. 140+00 TO STA. 146+00	F.A.U. RTE. 1376 SECTION 17-00272-03-5P COUNTY DUPAGE TOTAL SHEETS 174 SHEET NO. 41 CONTRACT NO. 61H02 ILLINOIS FED. AID PROJECT
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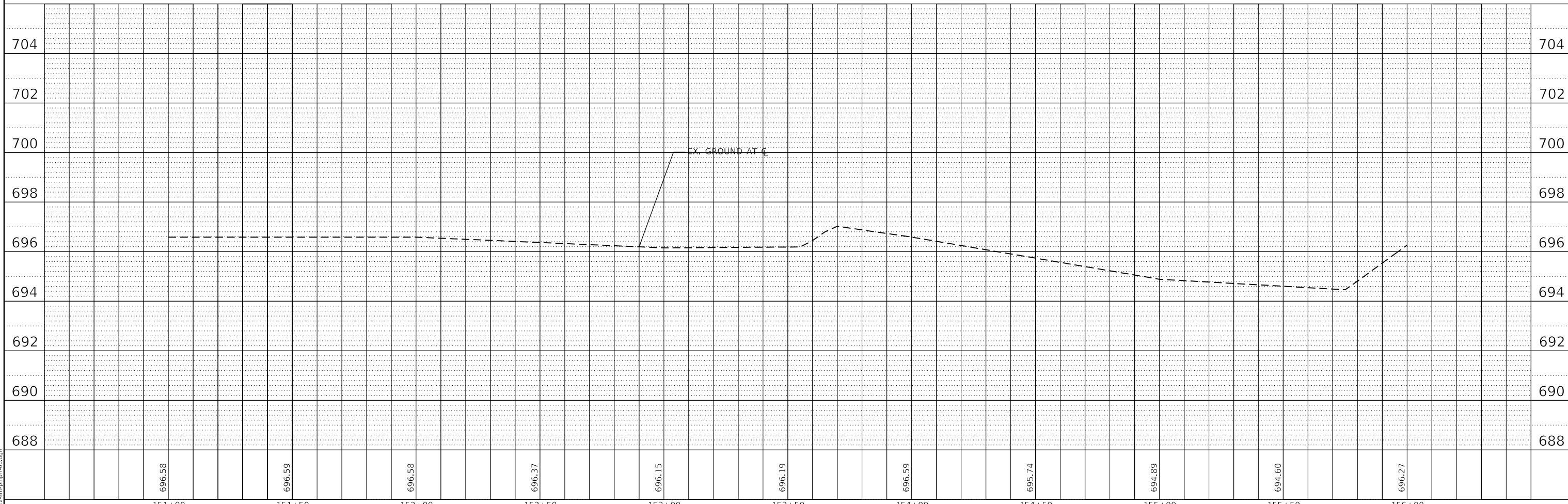
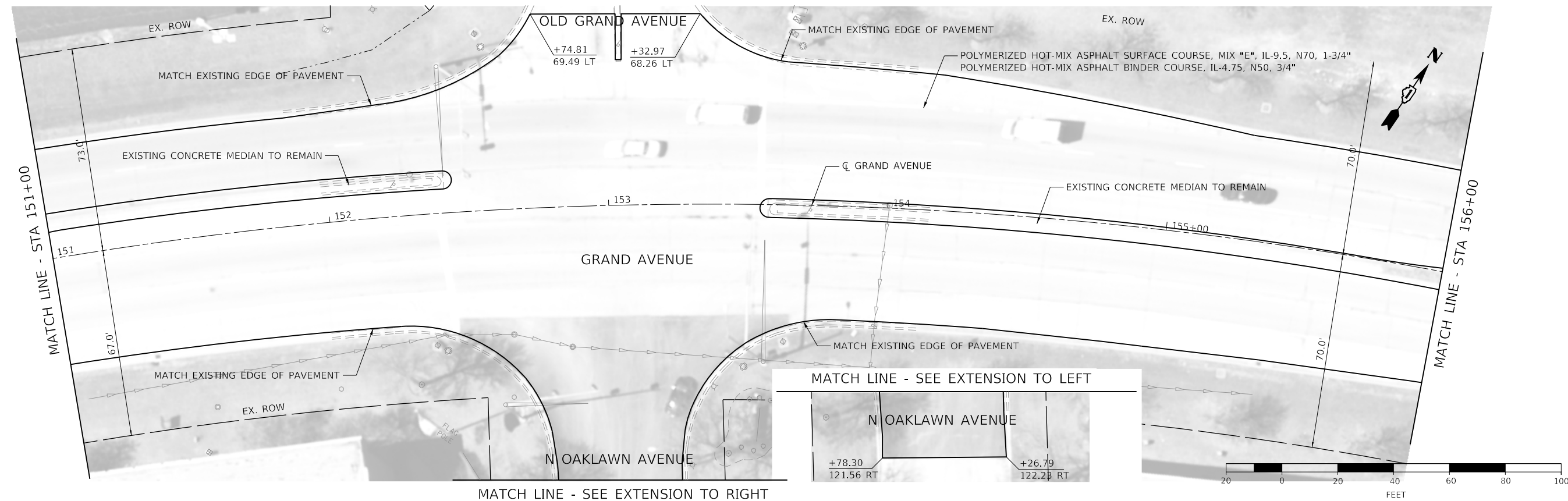


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PLOT SCALE = 40,0000' / in.	DRAWN - LTO	REVISED -
PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GRAND AVENUE ROADWAY PLAN AND PROFILE</b>			
SCALE: 1" = 20'	SHEET 5 OF 23 SHEETS	STA. 146+00	TO STA. 151+00

F.A.U. RTE. 1376	SECTION 17-00272-03-5P	COUNTY	TOTAL SHEETS 174	SHEET NO. 42
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H02	



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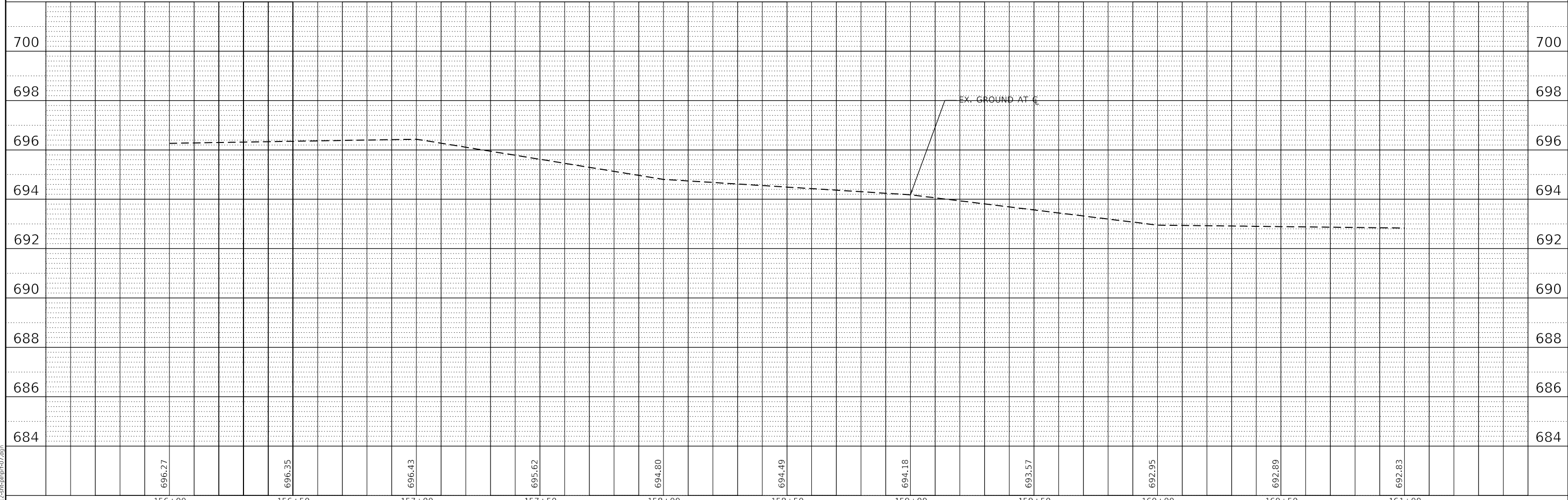
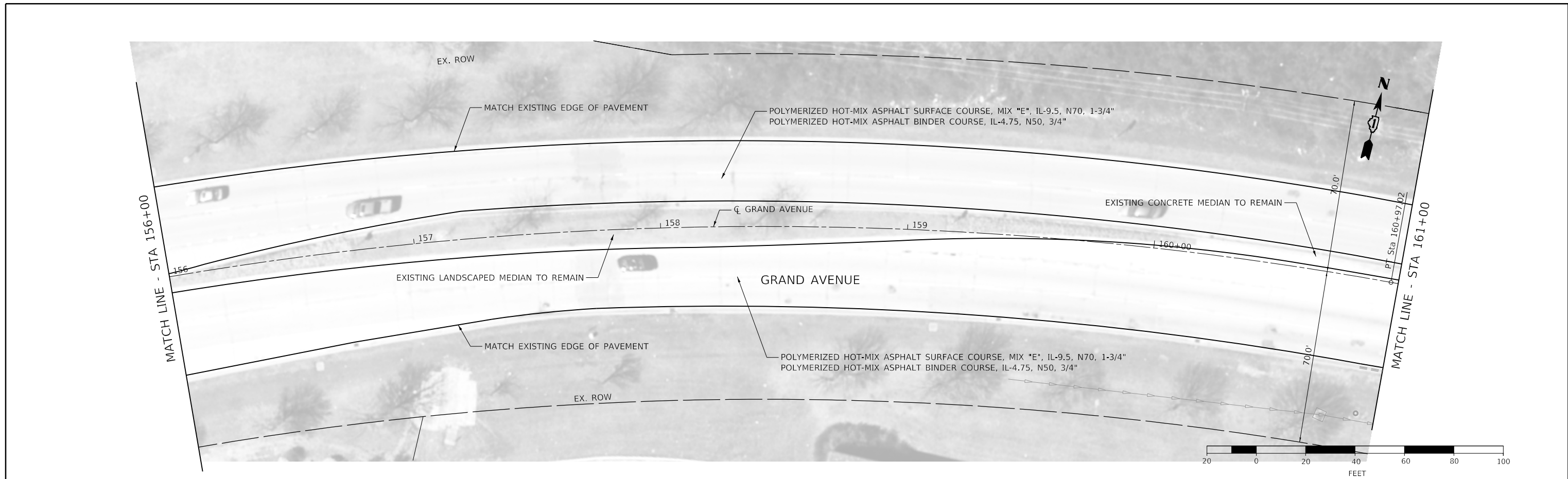
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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
ROADWAY PLAN AND PROFILE**

SCALE: 1" = 20'    SHEET 6 OF 23 SHEETS    STA. 151+00 TO STA. 156+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	43
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	



MODEL: Default  
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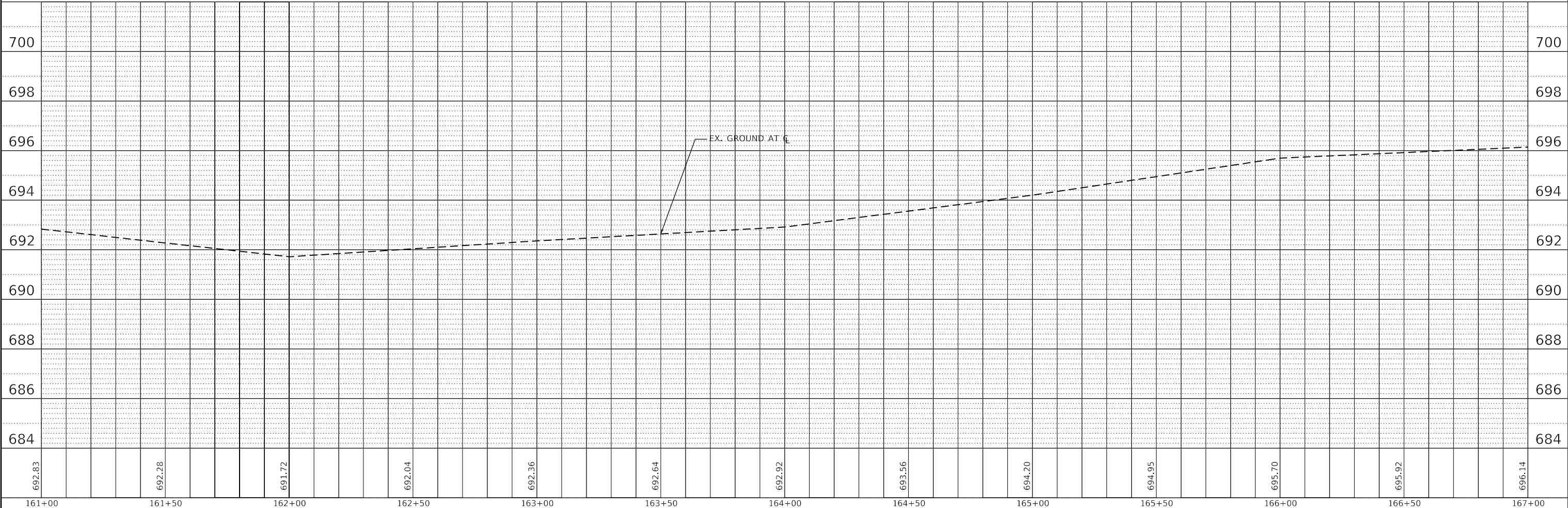
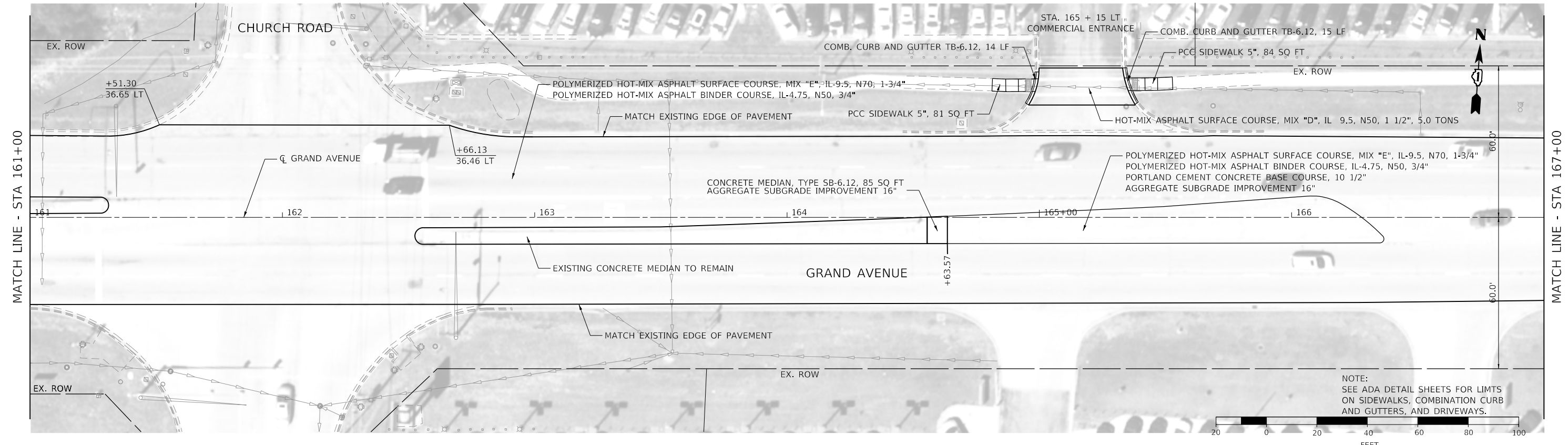
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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
ROADWAY PLAN AND PROFILE**

SCALE: 1" = 20'    SHEET 7 OF 23 SHEETS    STA. 156+00 TO STA. 161+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	44
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	



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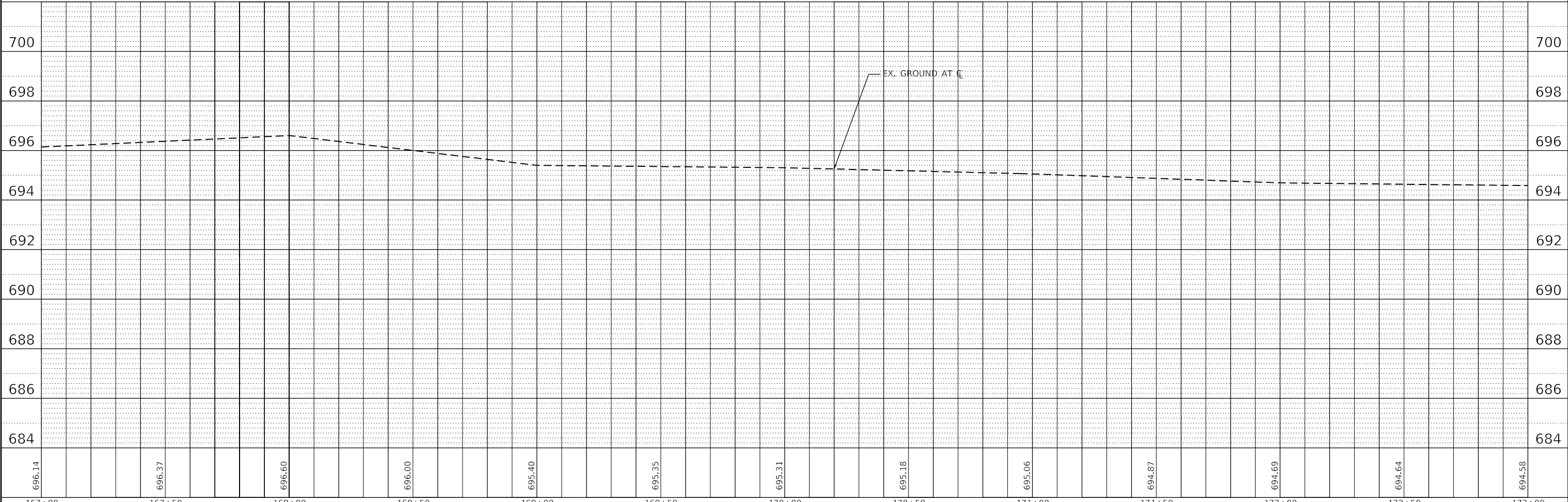
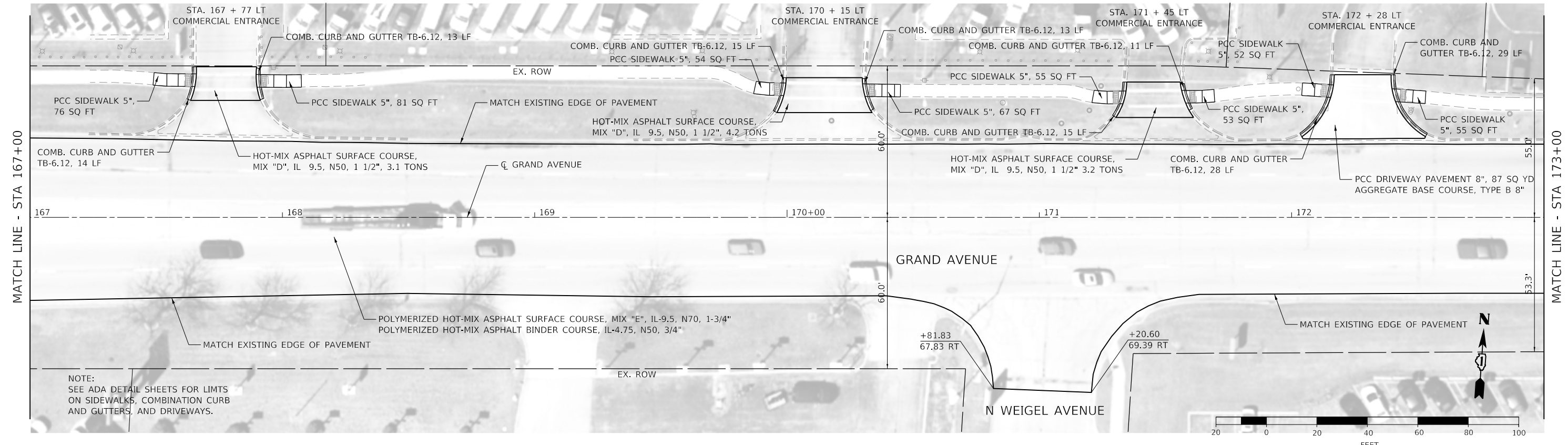
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DRAWN - LTO	REVISED -	
PLOT SCALE = 40,0000 ' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 20'		SHEET 8 OF 23 SHEETS		STA. 161+00 TO STA. 167+00	
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GRAND AVENUE  
ROADWAY PLAN AND PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	45
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



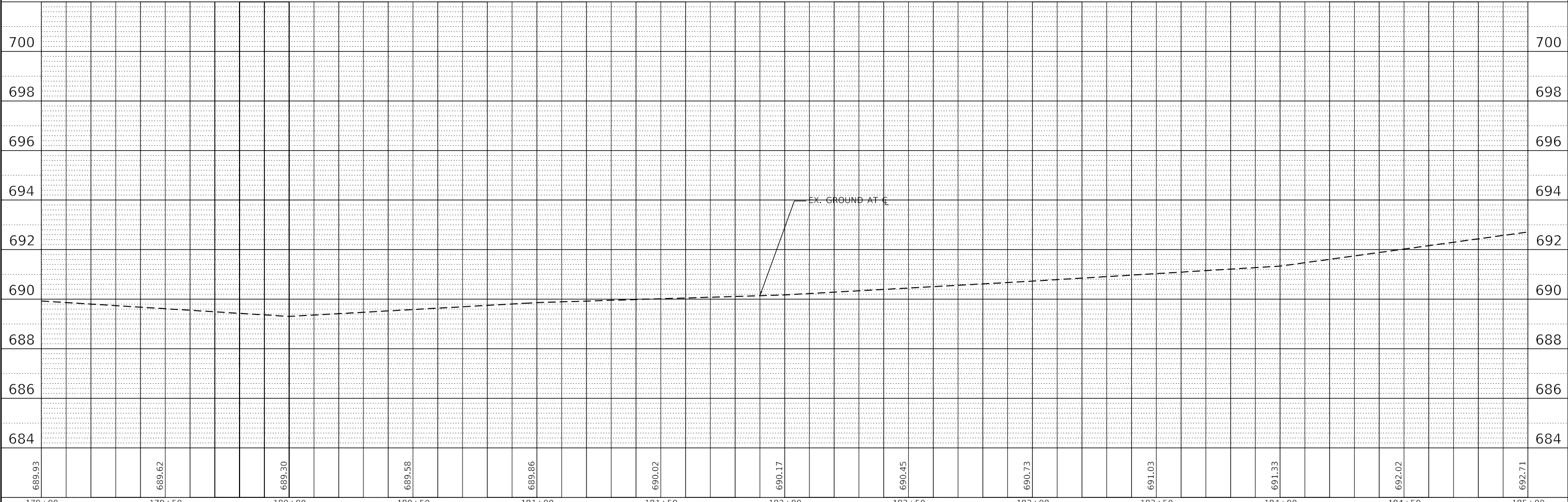
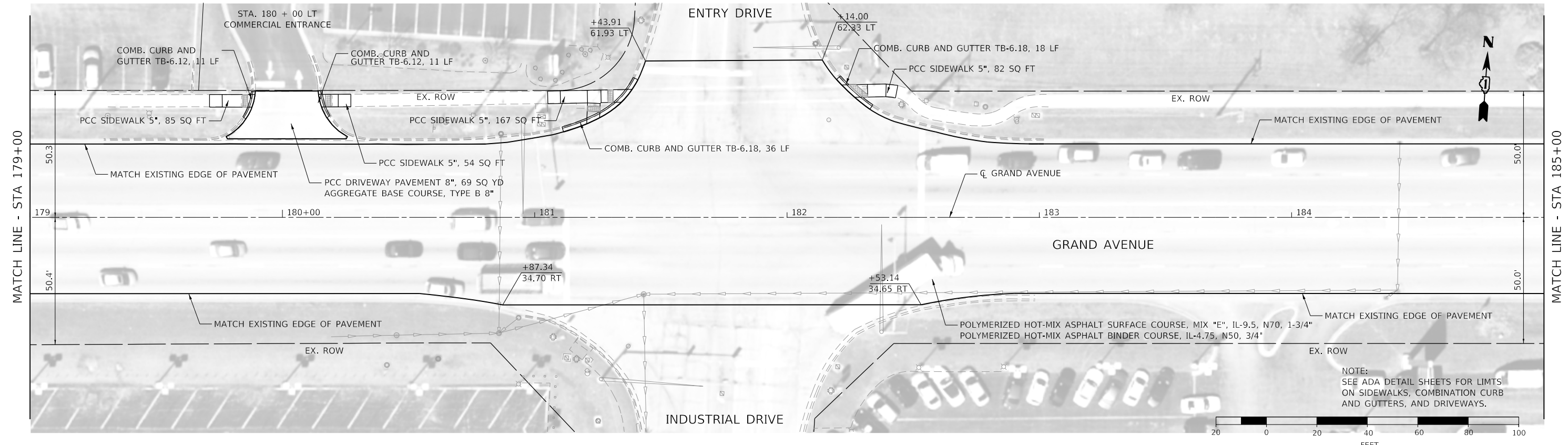
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FILE NAME: 17-0272-03-SP.dwg

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167+00	167+50	168+00	168+50	169+00	169+50	170+00	170+50	171+00	171+50	172+00	172+50	173+00

USER NAME = jrobinson	DESIGNED - LTO	REVISED -
DRAWN - LTO	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

<b>BURNS &amp; MCDONNELL</b>		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>GRAND AVENUE ROADWAY PLAN AND PROFILE</b>	
F.A.U. RTE. 1376	SECTION 17-00272-03-SP	COUNTY DUPAGE	TOTAL SHEETS 174	SHEET NO. 46	CONTRACT NO. 61H02
SCALE: 1" = 20'		SHEET 9 OF 23 SHEETS		STA. 167+00 TO STA. 173+00	
ILLINOIS		FED. AID PROJECT			





MODEL: Default  
FILE NAME: 17972-sta179+00-1.dgn

**BURNS  
MCDONNELL**

USER NAME = jrobinson  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 2/9/2021

DESIGNED - LTO	REVISED -
DRAWN - LTO	REVISED -
CHECKED - JIR	REVISED -
DATE -	REVISED -

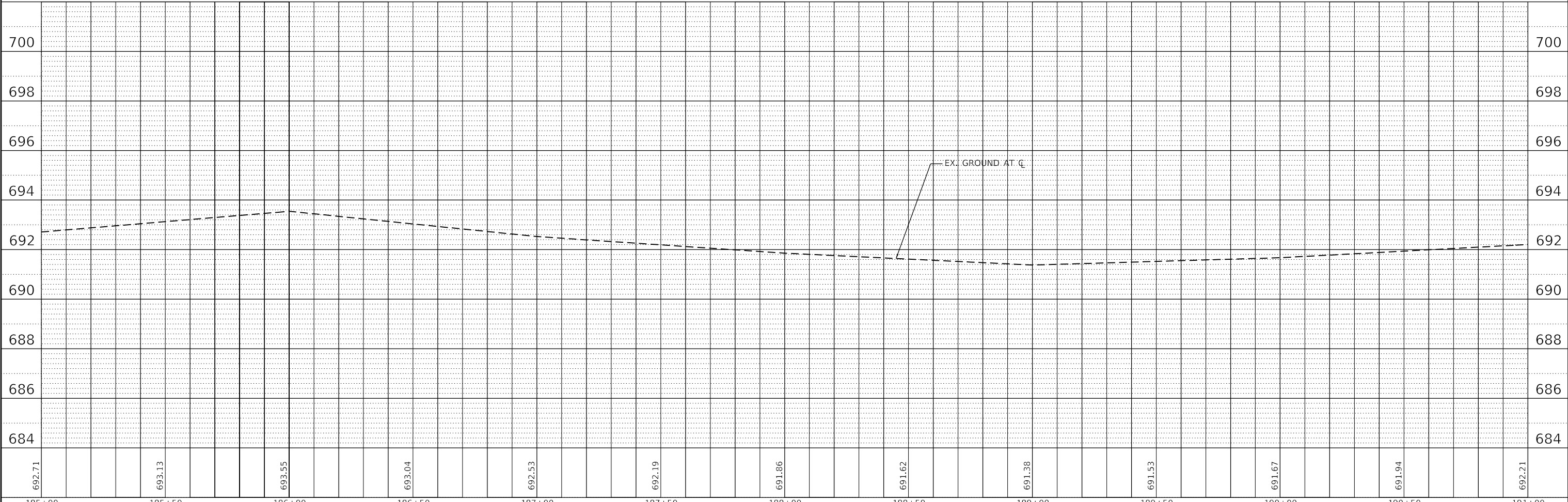
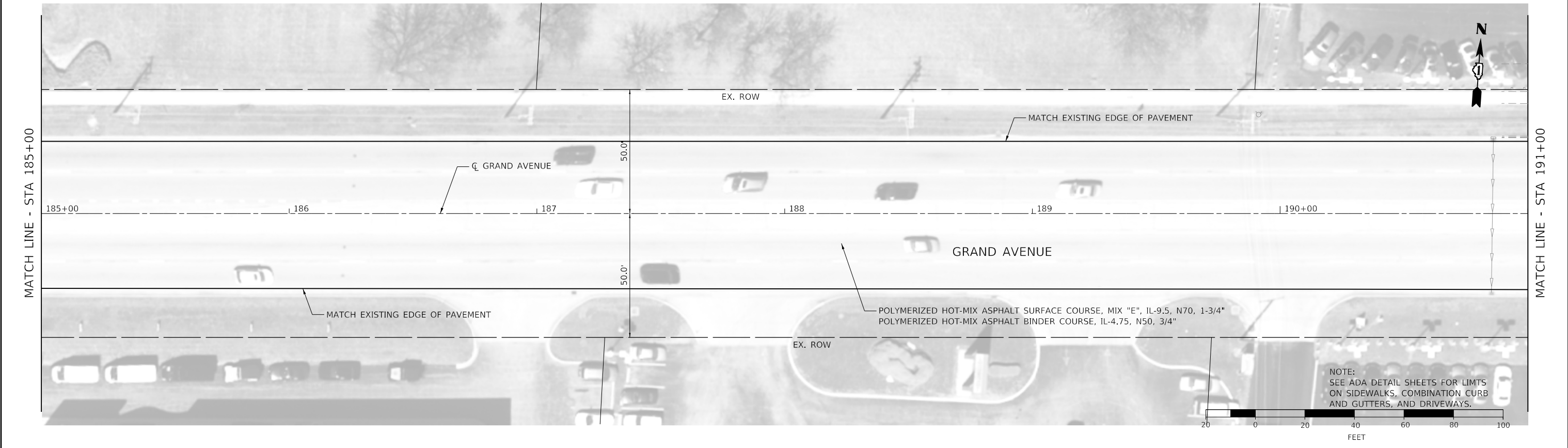
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
ROADWAY PLAN AND PROFILE**

SCALE: 1" = 20'    SHEET 11 OF 23 SHEETS    STA. 179+00 TO STA. 185+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	48
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	





MODEL: Default  
FILE NAME: 17-00272-03-SP-12.dgn



USER NAME = jrobinson	DESIGNED - LTO	REVISED -
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	DATE -	REVISED -

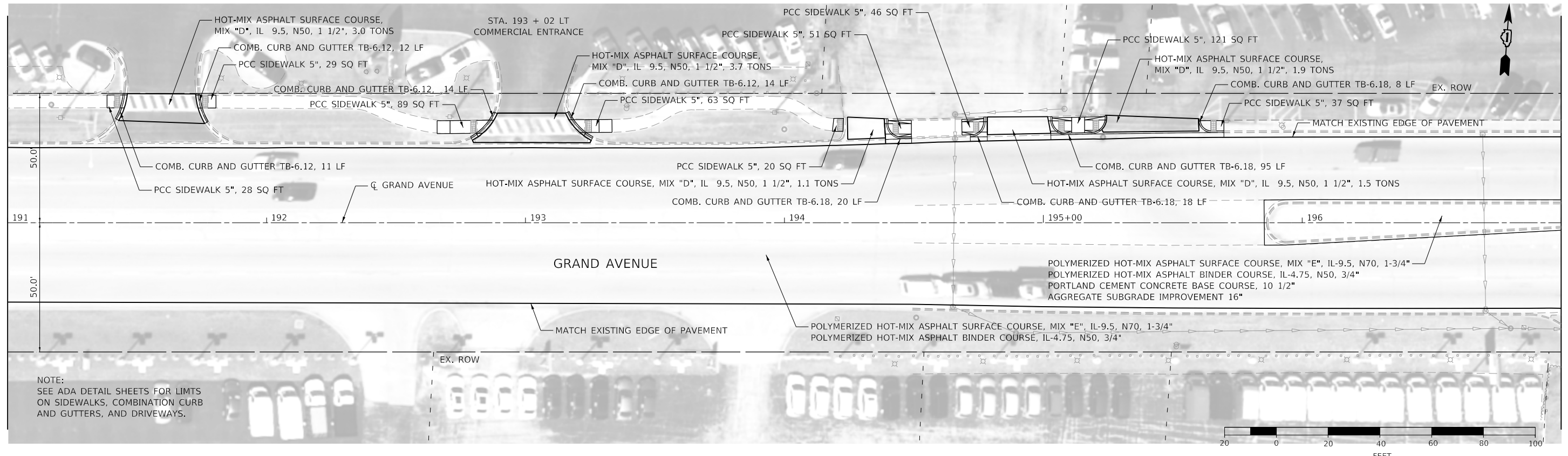
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GRAND AVENUE ROADWAY PLAN AND PROFILE</b>			
SCALE: 1" = 20'	SHEET 12 OF 23 SHEETS	STA. 185+00 TO STA. 191+00	

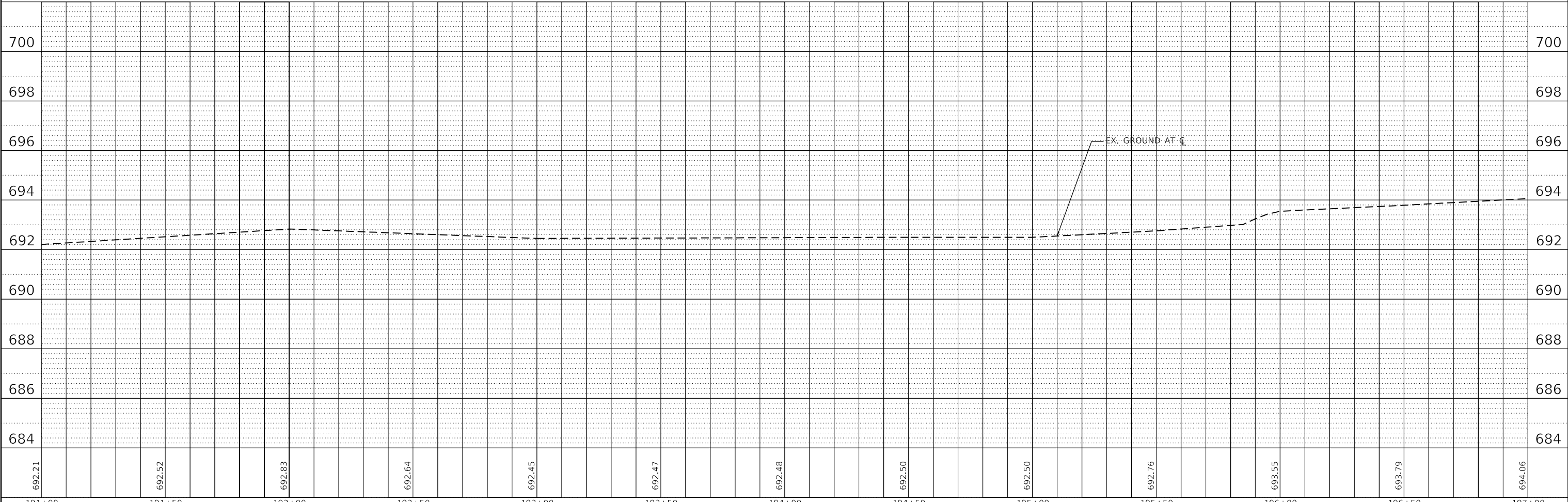
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	49
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H02	

MATCH LINE - STA 191+00

MATCH LINE - STA 197+00



NOTE:  
SEE ADA DETAIL SHEETS FOR LIMITS  
ON SIDEWALKS, COMBINATION CURB  
AND GUTTERS, AND DRIVEWAYS.



692.21	692.52	692.83	692.64	692.45	692.47	692.48	692.50	692.50	692.76	693.55	693.79	694.06
191+00	191+50	192+00	192+50	193+00	193+50	194+00	194+50	195+00	195+50	196+00	196+50	197+00



USER NAME = jrobinson	DESIGNED - LTO	REVISED -
DRAWN - LTO	REVISED -	
PLOT SCALE = 40,0000 ' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GRAND AVENUE  
ROADWAY PLAN AND PROFILE

SCALE: 1" = 20' SHEET 13 OF 23 SHEETS STA. 191+00 TO STA. 197+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	50
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	

MODEL: Default  
FILE NAME: 191712-act-191p1r13.dgn

STR-01  
CATCH BASIN TY A, 4' DIA, TY 24 F&G  
STA 199+41.04, 40.34' LT  
RIM = 693.04  
N: 689.90

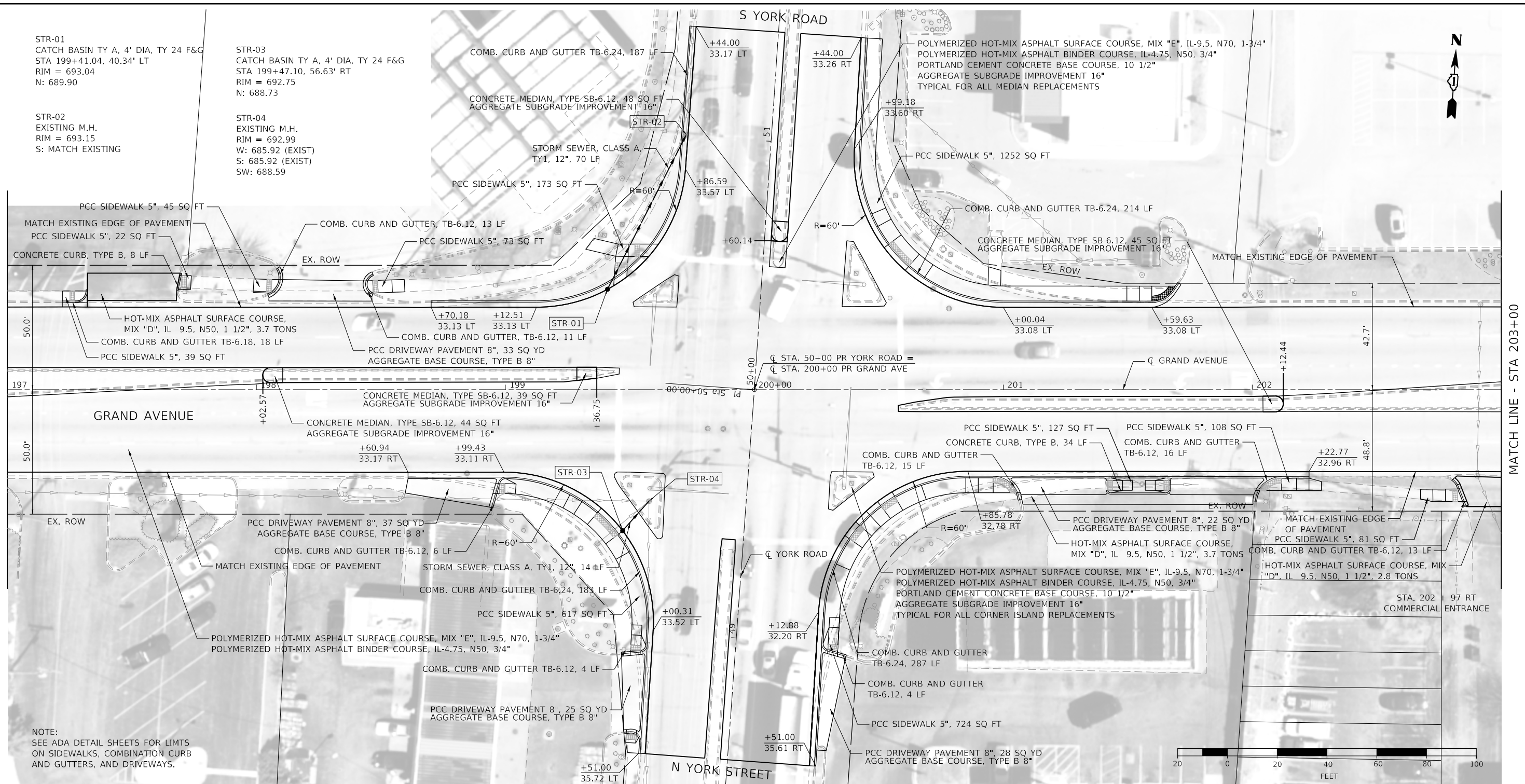
STR-03  
CATCH BASIN TY A, 4' DIA, TY 24 F&G  
STA 199+47.10, 56.63' RT  
RIM = 692.75  
N: 688.73

STR-02  
EXISTING M.H.  
RIM = 693.15  
S: MATCH EXISTING

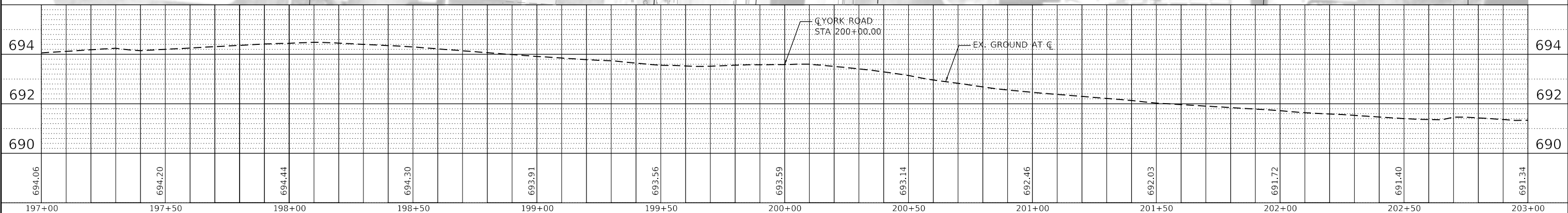
STR-04  
EXISTING M.H.  
RIM = 692.99  
W: 685.92 (EXIST)  
S: 685.92 (EXIST)  
SW: 688.59

MATCH LINE - STA 197+00

MATCH LINE - STA 203+00



NOTE:  
SEE ADA DETAIL SHEETS FOR LIMITS  
ON SIDEWALKS, COMBINATION CURB  
AND GUTTERS, AND DRIVEWAYS.



694.06	694.20	694.44	694.30	693.91	693.56	693.59	693.14	692.46	692.03	691.72	691.40	691.34
197+00	197+50	198+00	198+50	199+00	199+50	200+00	200+50	201+00	201+50	202+00	202+50	203+00

**BURNS & MCDONNELL**  
USER NAME = jrobinson  
PLOT SCALE = 40.0000" / in.  
PLOT DATE = 2/9/2021

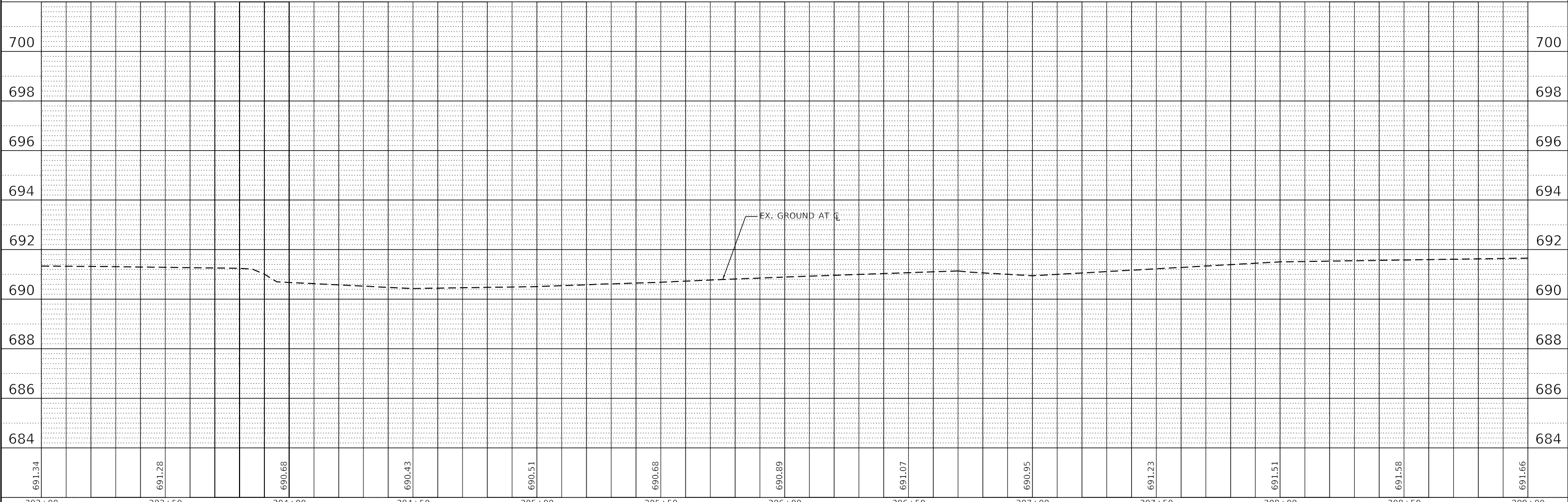
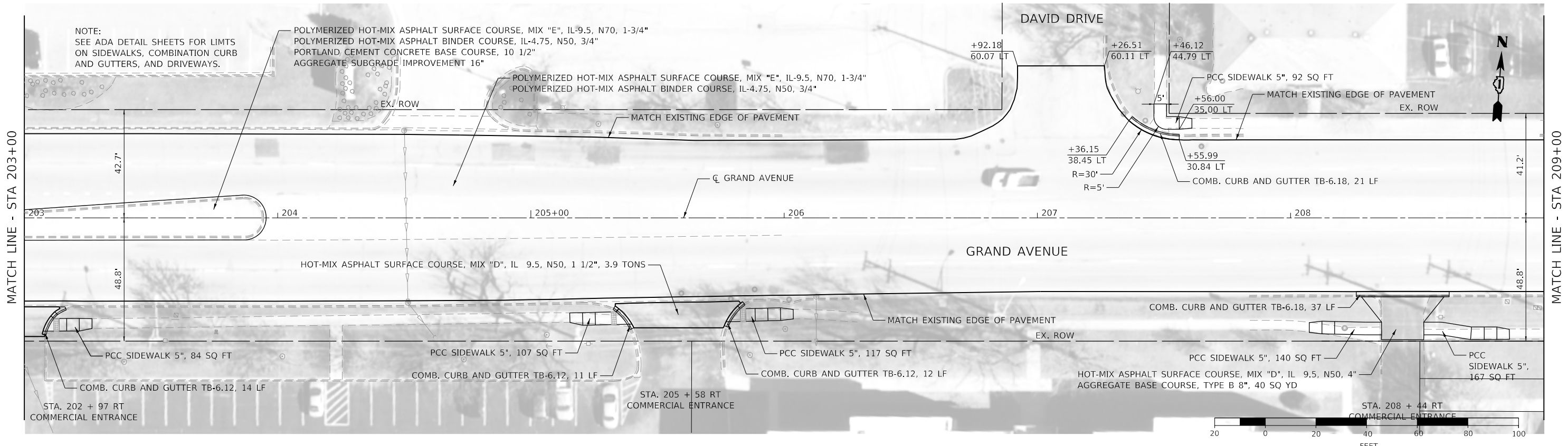
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DRAWN - LTO  
CHECKED - JIR  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**  
**GRAND AVENUE  
ROADWAY PLAN AND PROFILE**  
SCALE: 1" = 20'  
SHEET 14 OF 23 SHEETS  
STA. 197+00 TO STA. 203+00

F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
1376 17-00272-03-5P DUPAGE 174 51  
CONTRACT NO. 61H02  
ILLINOIS FED. AID PROJECT

MODEL: Default  
FILE NAME: 19712-stp1pgr14.dgn



MODEL: Default  
FILE NAME: 17-00272-03-SP.dgn



USER NAME = jrobinson	DESIGNED - LTO	REVISED -
DRAWN - LTO	REVISED -	
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PLOT DATE = 2/9/2021	DATE -	REVISED -

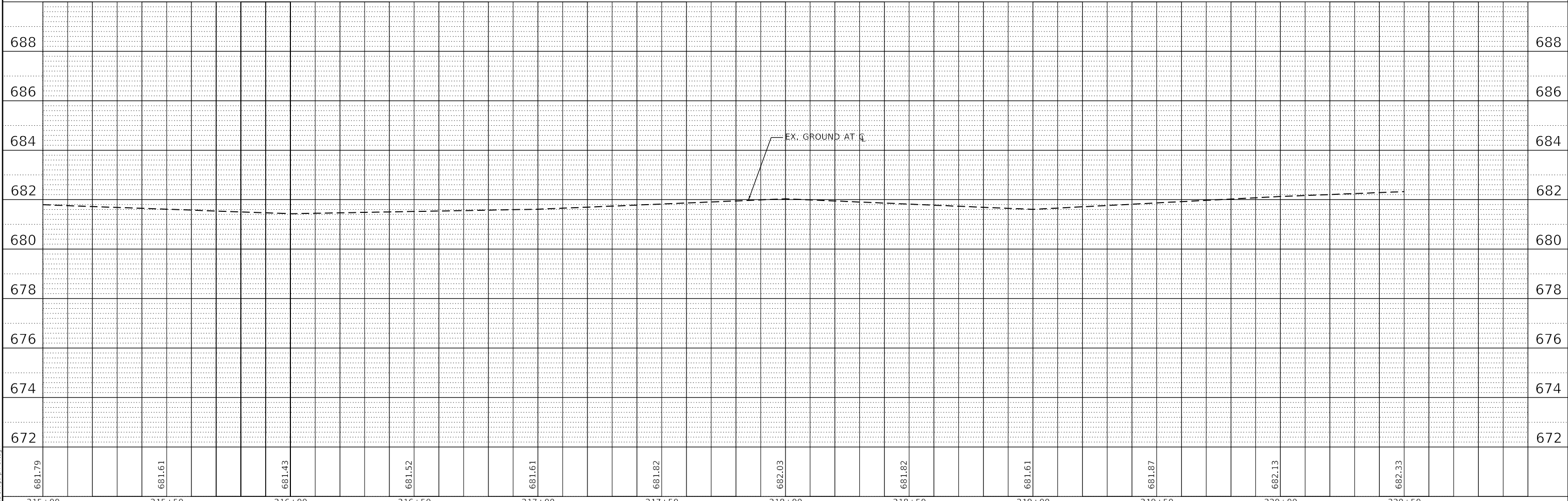
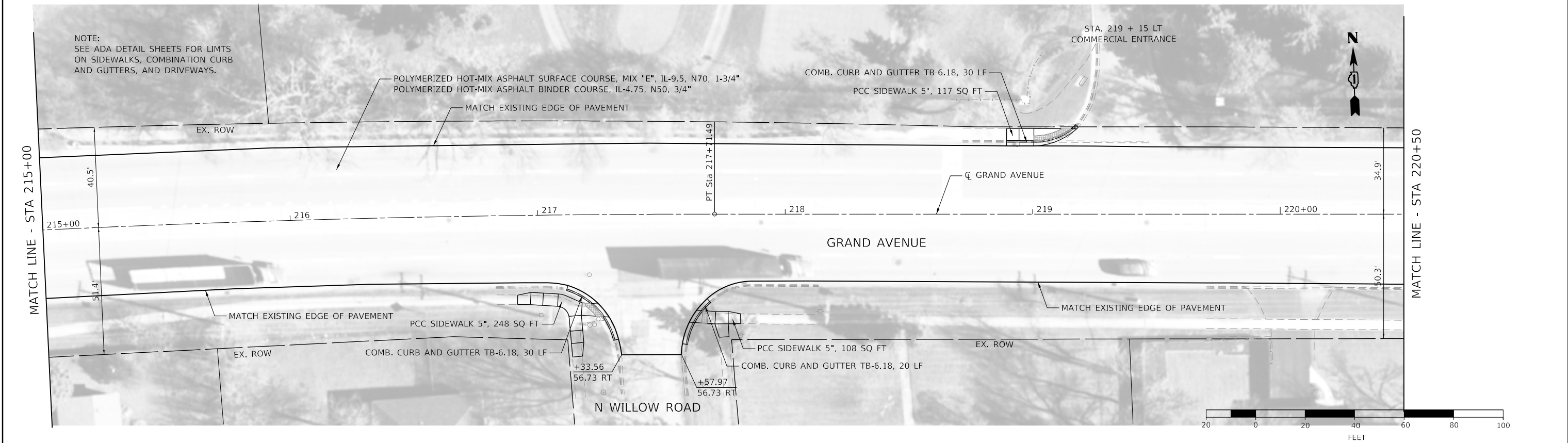
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
ROADWAY PLAN AND PROFILE**

SCALE: 1" = 20' SHEET 15 OF 23 SHEETS STA. 203+00 TO STA. 209+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	52
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	





MODEL: Default  
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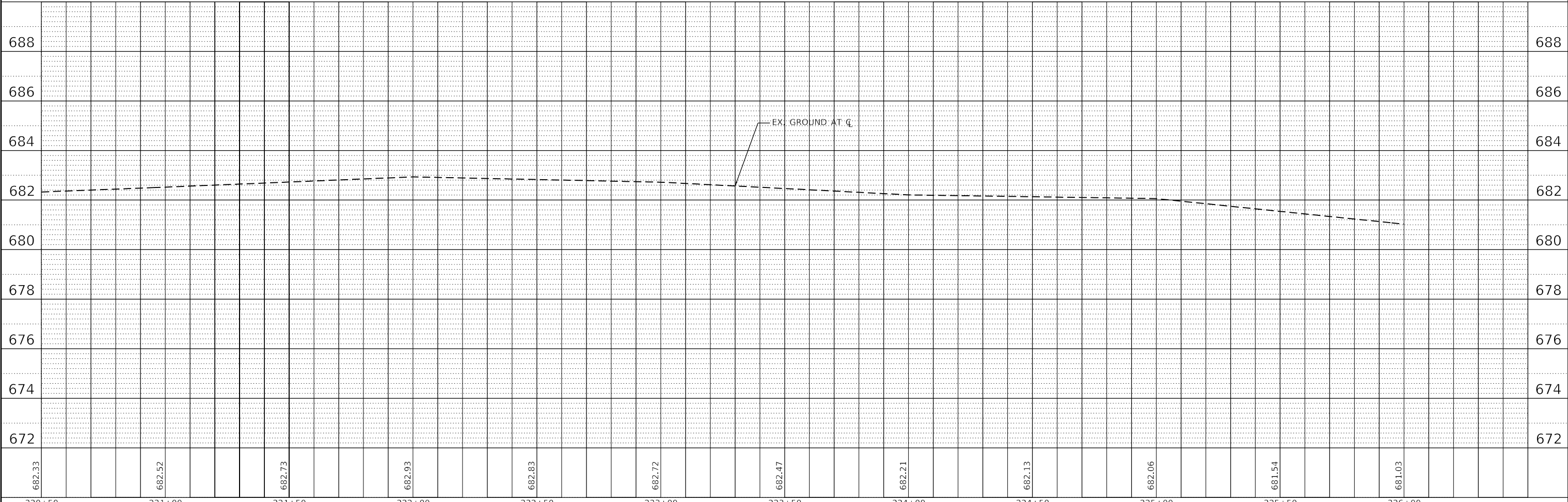
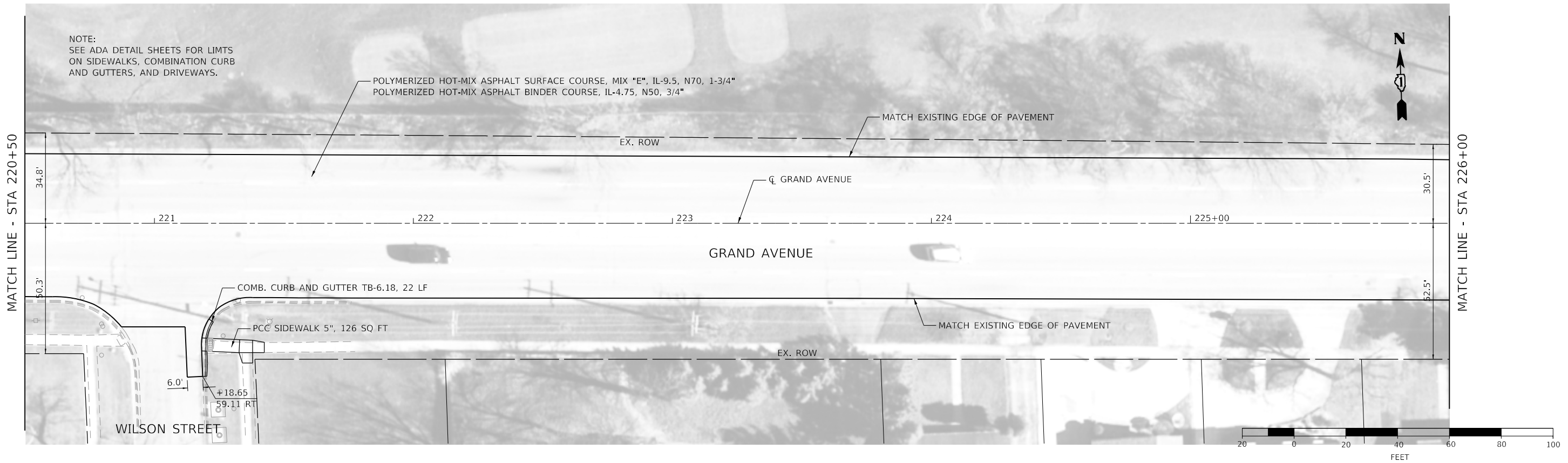
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DRAWN - LTO	REVISED -	
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
ROADWAY PLAN AND PROFILE**

SCALE: 1" = 20'    SHEET 17 OF 23 SHEETS    STA. 215+00 TO STA. 220+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	54
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	



682.33	682.52	682.73	682.93	682.83	682.72	682.47	682.21	682.13	682.06	681.54	681.03								
220+50	221+00	221+50	222+00	222+50	223+00	223+50	224+00	224+50	225+00	225+50	226+00								

MODEL: Default  
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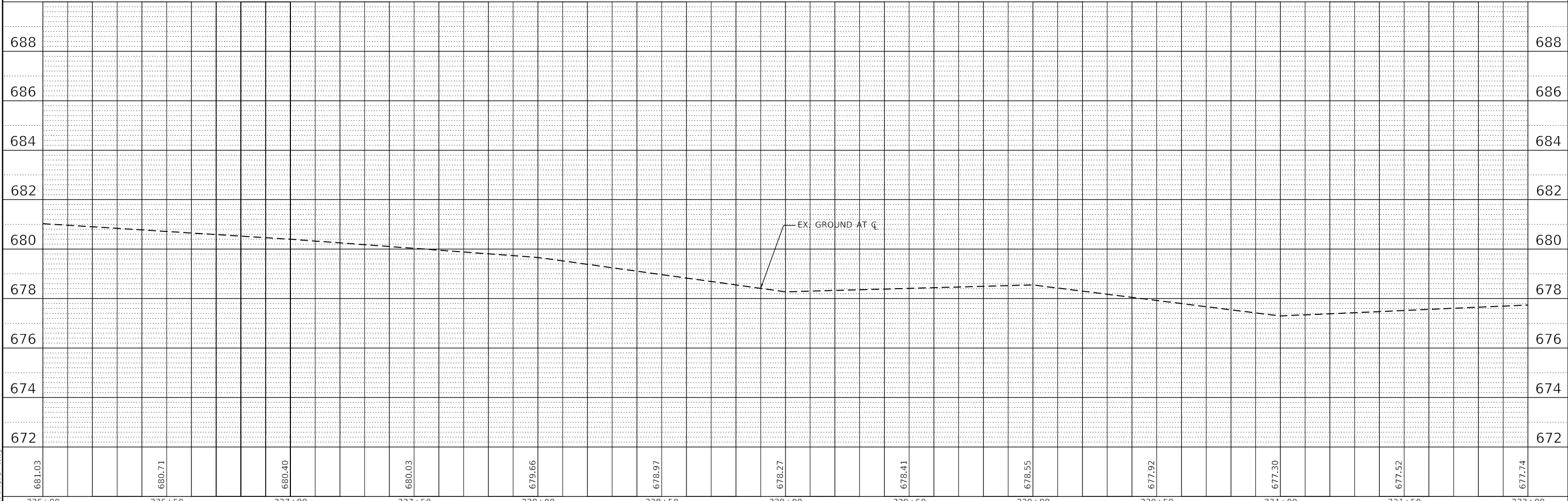
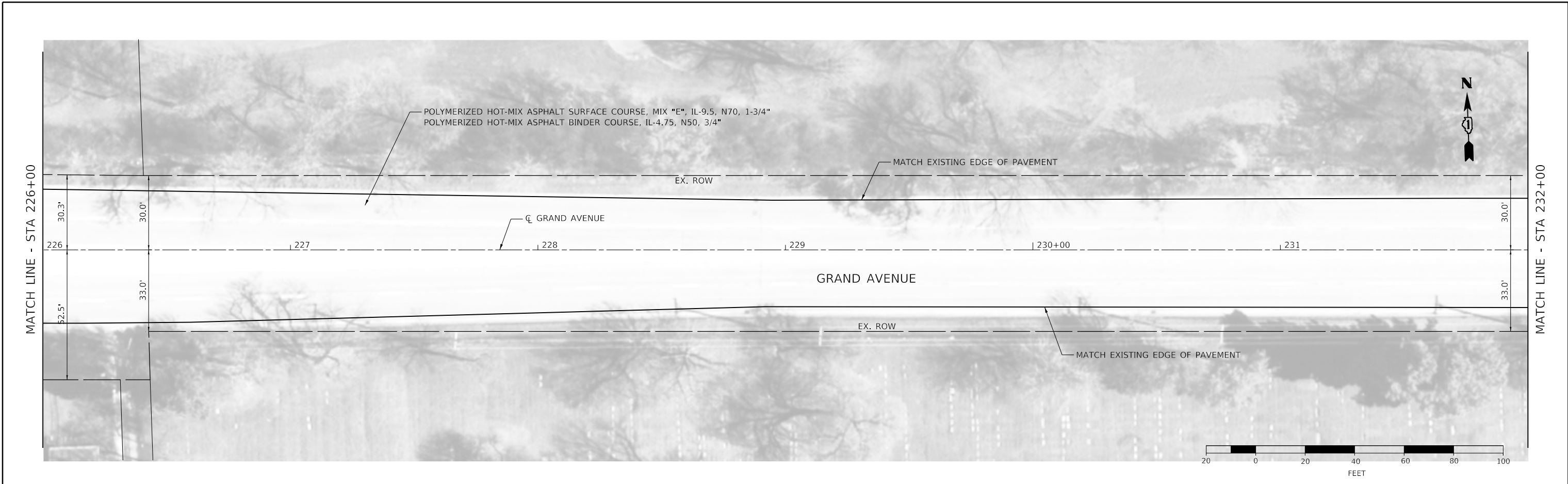
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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
ROADWAY PLAN AND PROFILE**

SCALE: 1" = 20'    SHEET 18 OF 23 SHEETS    STA. 220+50 TO STA. 226+00

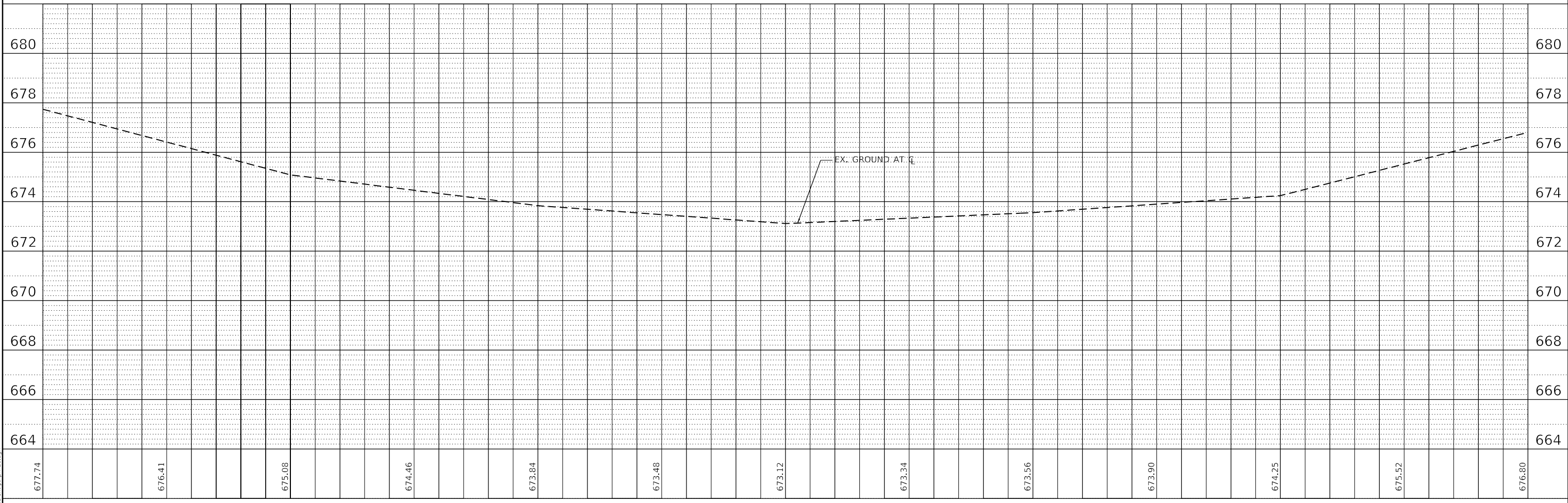
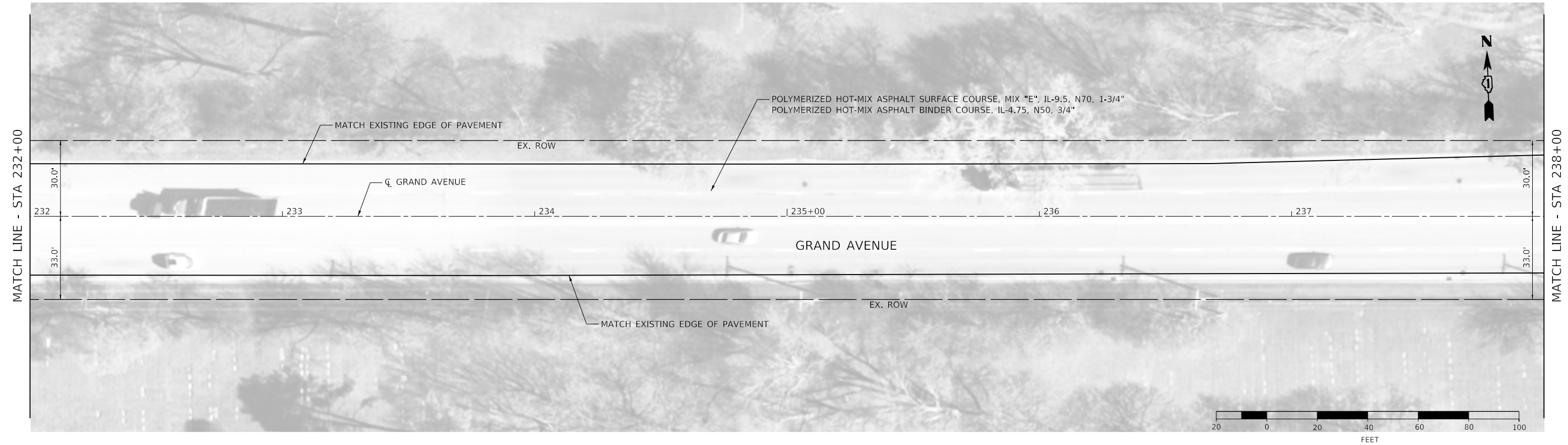
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P		174	55
CONTRACT NO. 61H02				
ILLINOIS		FED. AID PROJECT		



MODEL: Default  
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	USER NAME = jrobinson	DESIGNED - LTO	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GRAND AVENUE</b> <b>ROADWAY PLAN AND PROFILE</b>		F.A.U. RTE. 1376	SECTION 17-00272-03-SP	COUNTY	TOTAL SHEETS 174	SHEET NO. 56
	PLOT SCALE = 40.0000' / in.	CHECKED - JIR	REVISED -				DUPAGE		CONTRACT NO. 61H02		
	PLOT DATE = 2/9/2021	DATE -	REVISED -				SCALE: 1" = 20'		SHEET 19 OF 23 SHEETS		STA. 226+00 TO STA. 232+00





MODEL: Default  
FILE NAME: 199712-sta1p1p250.dgn



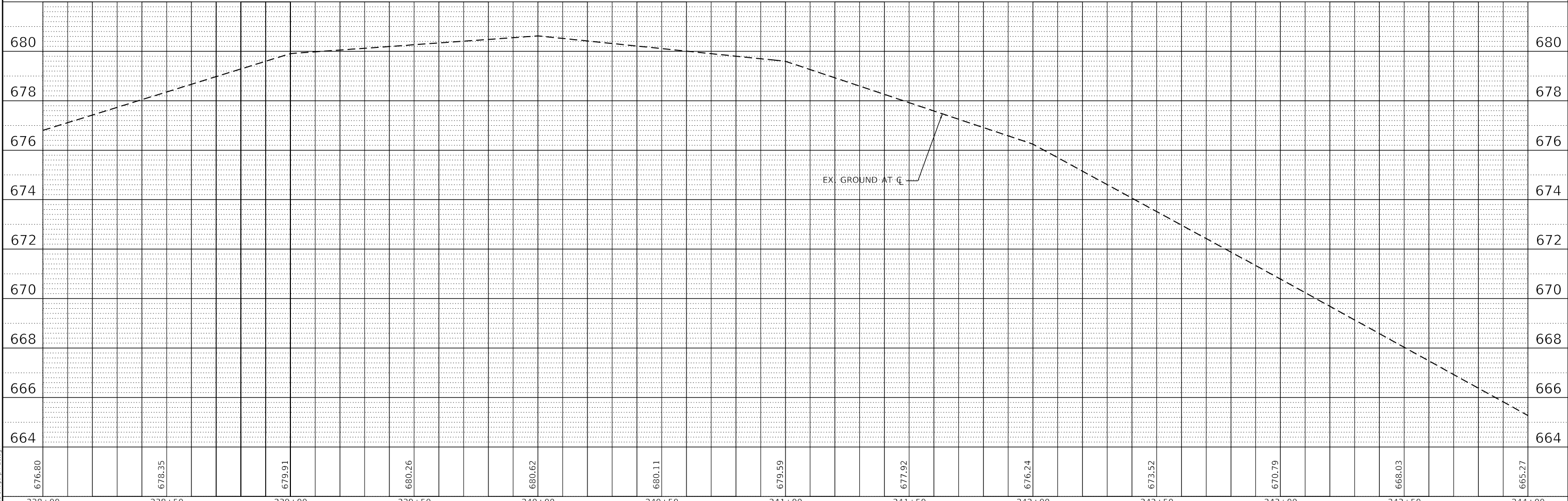
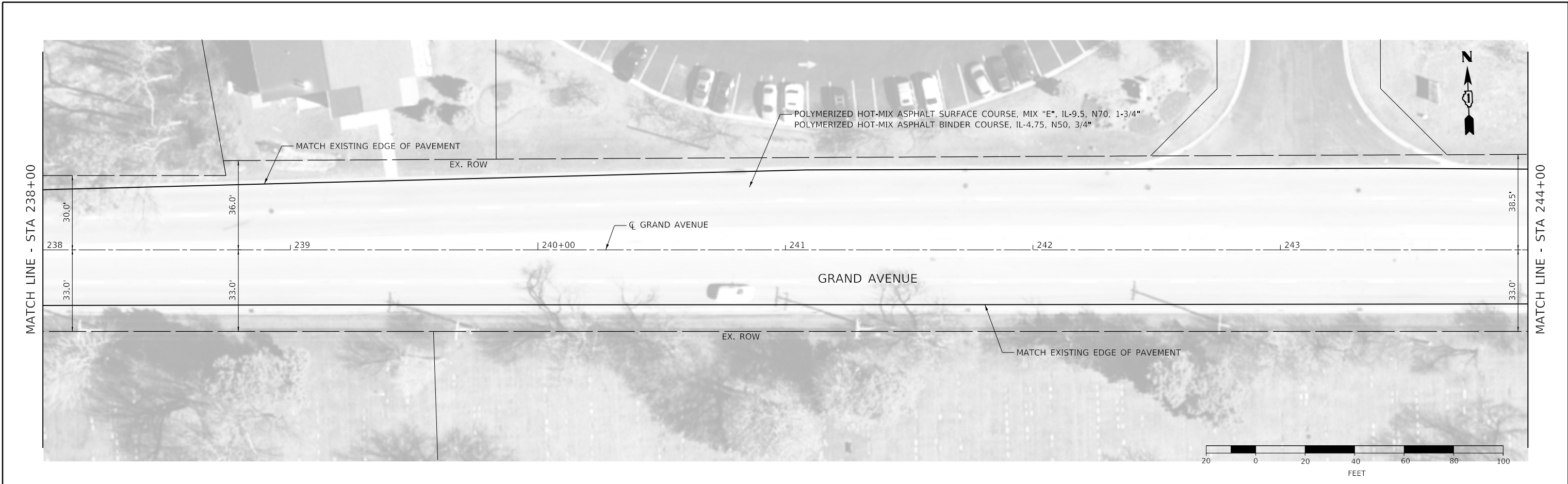
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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
ROADWAY PLAN AND PROFILE**

SCALE: 1" = 20'    SHEET 20 OF 23 SHEETS    STA. 232+00 TO STA. 238+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	57
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	



676.80	678.35	679.91	680.26	680.62	680.11	679.59	677.92	676.24	673.52	670.79	668.03	665.27
238+00	238+50	239+00	239+50	240+00	240+50	241+00	241+50	242+00	242+50	243+00	243+50	244+00

**BURNS & MCDONNELL**

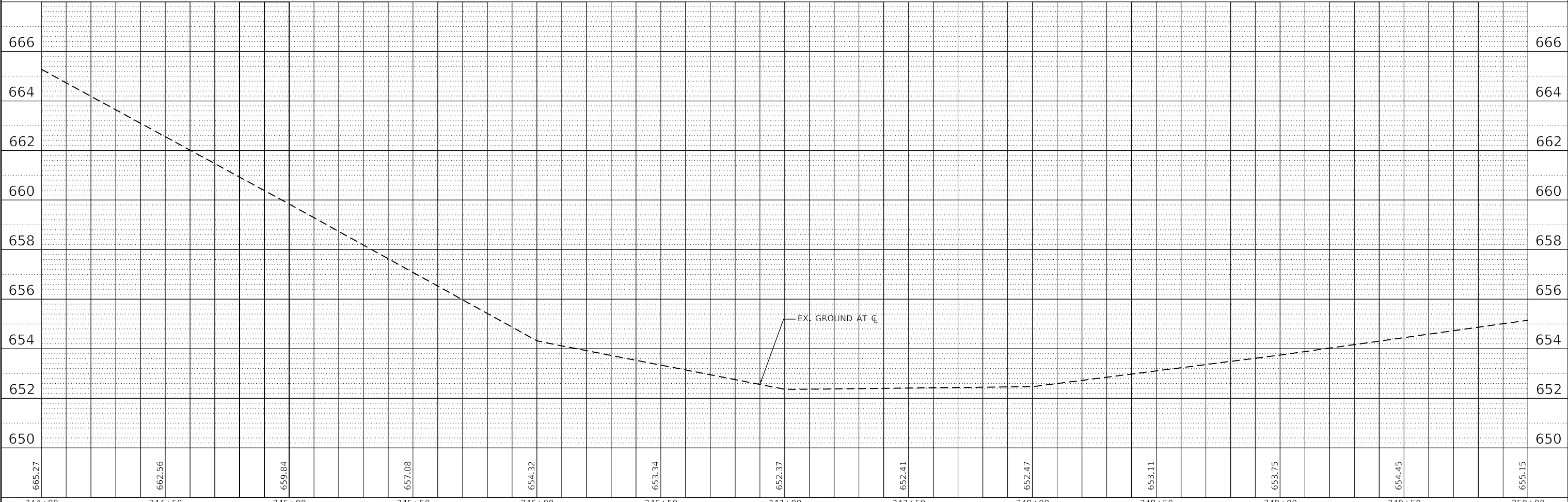
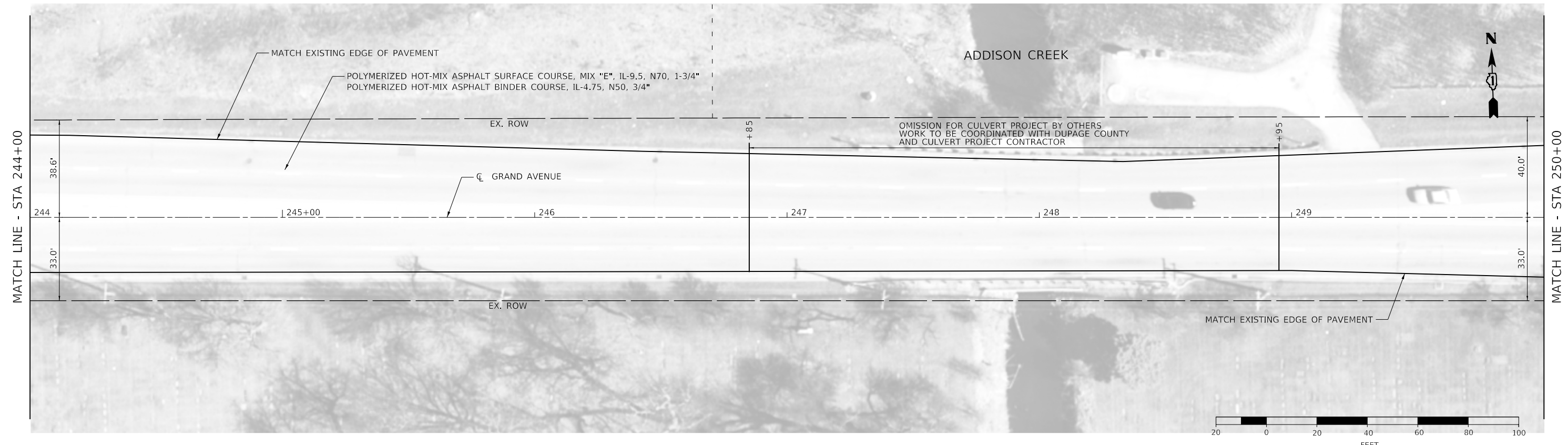
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DRAWN - LTO	REVISED -	
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
ROADWAY PLAN AND PROFILE**

SCALE: 1" = 20'    SHEET 21 OF 23 SHEETS    STA. 238+00 TO STA. 244+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	58
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	



MODEL: Default  
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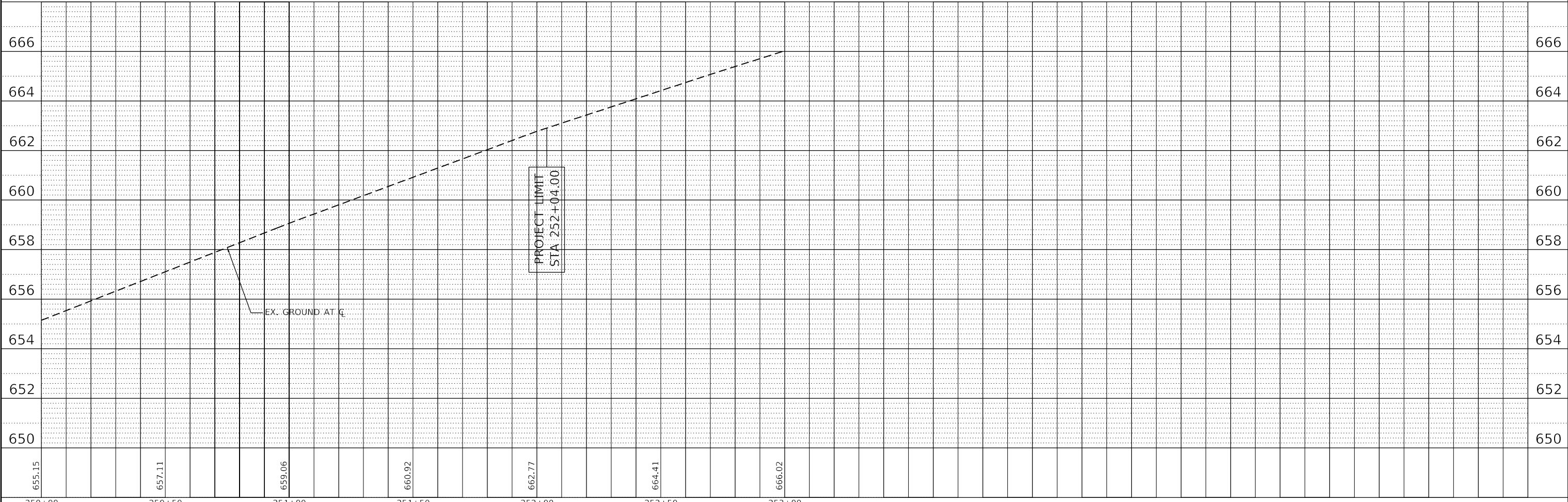
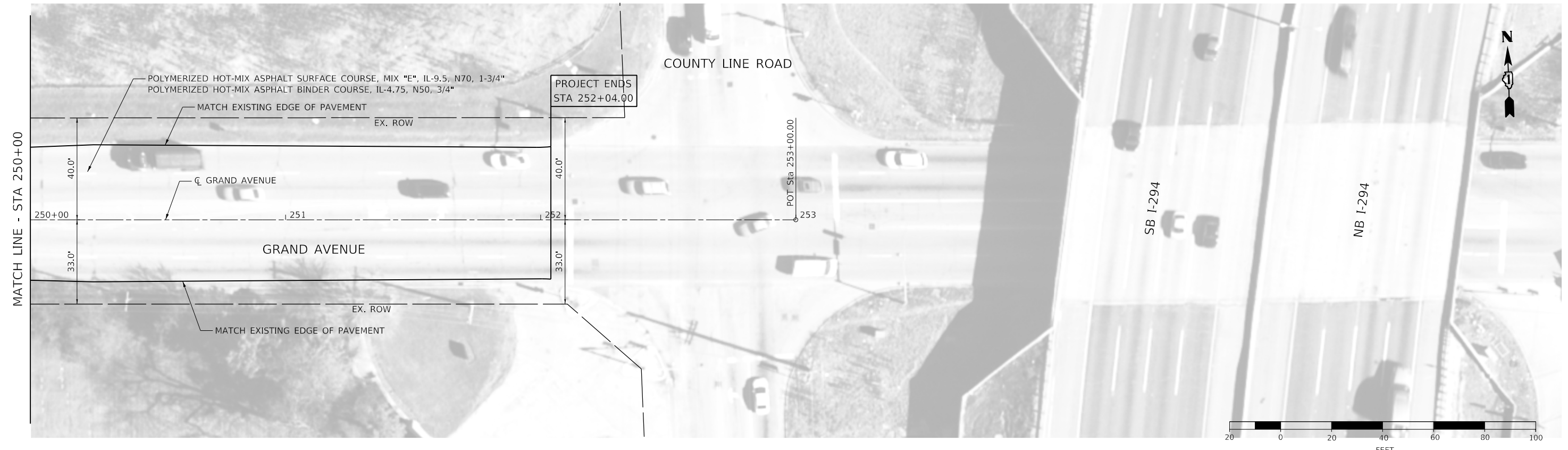
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
ROADWAY PLAN AND PROFILE**

SCALE: 1" = 20'    SHEET 22 OF 23 SHEETS    STA. 244+00 TO STA. 250+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	59
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	



MODEL: Default  
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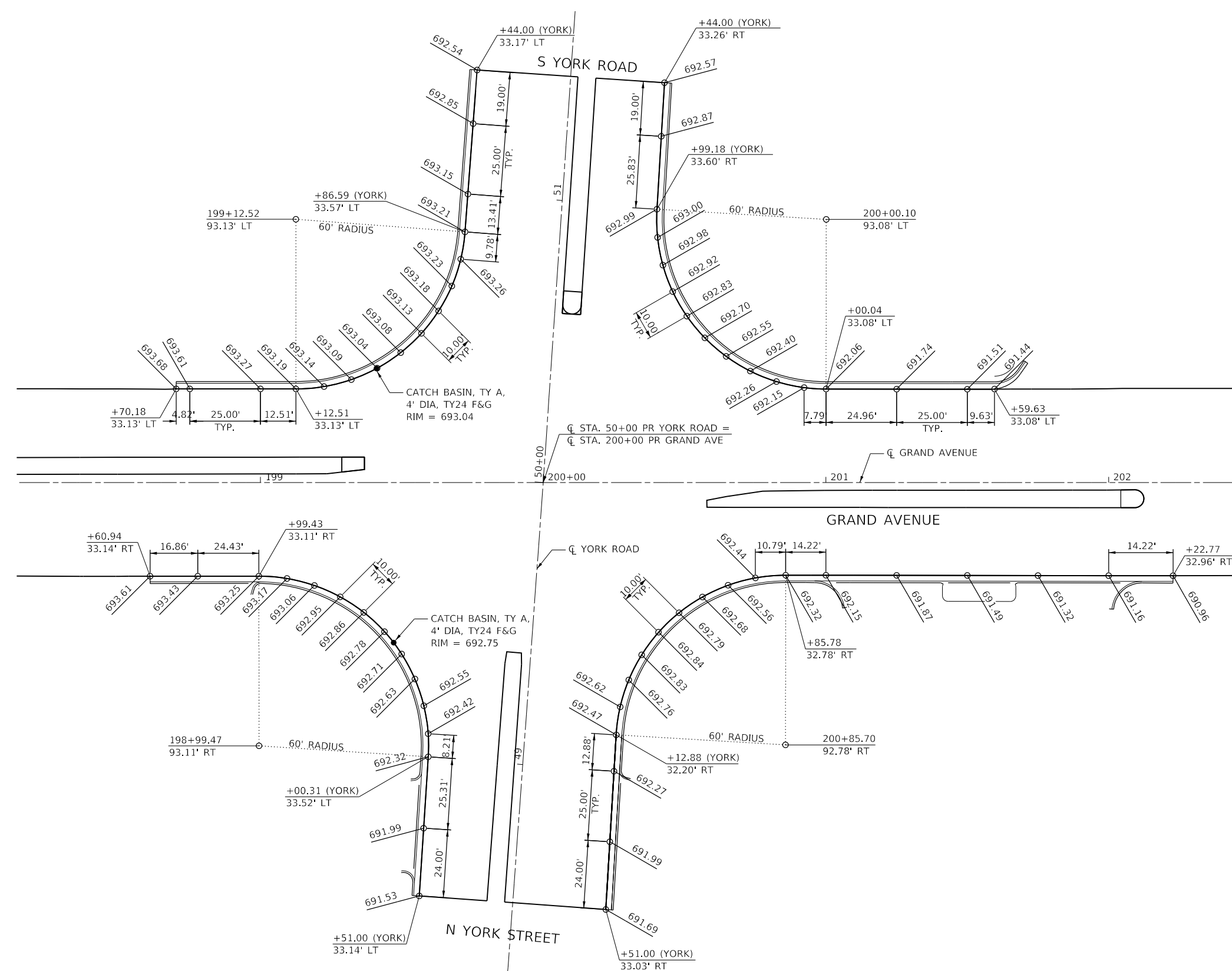


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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

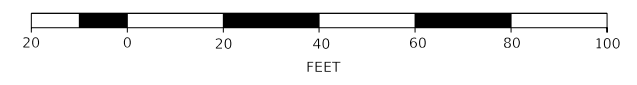
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GRAND AVENUE ROADWAY PLAN AND PROFILE</b>			
SCALE: 1" = 20'	SHEET 23 OF 23 SHEETS	STA. 250+00 TO STA. 253+00	

F.A.U. RTE. 1376	SECTION 17-00272-03-5P	COUNTY DUPAGE	TOTAL SHEETS 174	SHEET NO. 60
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



NOTES:  
 1. ALL STA/OFFSETS ARE OFF OF GRAND AVE UNLESS OTHERWISE NOTED



MODEL: Default  
 FILE NAME: 17-00272-03-SP-Intersections-Detail1.dgn



USER NAME = jirobinson	DESIGNED - WLM	REVISED -
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PLOT DATE = 2/9/2021	DATE -	REVISED -

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

<b>INTERSECTION ELEVATIONS PROPOSED</b> <b>GRAND AVENUE AND YORK ROAD</b>	
SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	61
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

**TRAFFIC CONTROL AND PROTECTION**

- TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, TRAFFIC SIGNAL PLANS, THESE NOTES, APPLICABLE SPECIAL PROVISIONS, AND SECTION 701 OF THE STANDARD SPECIFICATIONS AS AMENDED BY THE SPECIAL PROVISION FOR WORK ZONE TRAFFIC CONTROL (CHECK SHEET LRS 3).
- THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
- EXISTING TRAFFIC CONTROL SIGNS AND DEVICES MAY BE REMOVED BY THE DUPAGE COUNTY DIVISION OF TRANSPORTATION AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE RELOCATED, MAINTAINED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR AND ANY DAMAGED OR LOST SIGNS WILL BE REPLACED BY THE CONTRACTOR.
- TYPE I OR TYPE II BARRICADES, DRUMS, OR VERTICAL PANELS SHALL BE REQUIRED ALONG TEMPORARY ROADS, DETOURS, AND SIDE STREETS TO DELINEATE THE TRAVELED WAY WITHIN THE CONSTRUCTION ZONE. THE MAXIMUM SPACING FOR THESE DEVICES SHALL BE 100 FEET CENTER TO CENTER.
- ANY DROP OFF GREATER THAN THREE (3) INCHES WITHIN SIXTEEN (16) FEET OF A TRAVEL LANE SHALL BE PROTECTED BY TYPE I OR TYPE II BARRICADES, DRUMS OR VERTICAL PANELS AT 50 FOOT (MAXIMUM) CENTER TO CENTER SPACING. IF THE DROP OFF IS GREATER THAN TWENTY-FOUR (24) INCHES AND EXISTS FOR LONGER THAN 24 HOURS, IT SHALL BE PROTECTED BY TEMPORARY CONCRETE BARRIER. TEMPORARY CONCRETE BARRIER SHALL HAVE MONODIRECTIONAL STEADY-BURN LIGHTS AT 50 FOOT (MAXIMUM) CENTER TO CENTER SPACING. THE CONTRACTOR SHALL SCHEDULE HIS WORK AND OPERATIONS SUCH THAT A DROP OFF OF GREATER THAN 24 INCHES DOES NOT REMAIN WITHIN SIXTEEN FEET OF A TRAVEL LANE FOR MORE THAN 24 HOURS. THE CONTRACTOR MAY PLACE COMPACTED EXCAVATED MATERIAL, AGGREGATE, OR OTHER MATERIAL IN THE DROP OFF TO SATISFY THIS REQUIREMENT. THE PLANS INDICATE AREAS (IF ANY) IN WHICH THE DEPARTMENT EXPECTS THAT TEMPORARY CONCRETE BARRIER WILL BE REQUIRED FOR A DROP OFF OF GREATER THAN 24 INCHES TO REMAIN FOR MORE THAN 24 HOURS.
- BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
- TYPE I OR TYPE II BARRICADES SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF- WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.
- TYPE I, II AND / OR III BARRICADES WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.
- WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION.
- ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.
- PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
- THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC CONTROL FOR THIS PROJECT:
  - 701101-05
  - 701601-09
  - 701602-10
  - 701606-10
  - 701701-10
  - 701801-06
  - 701901-08
  - TC-10
  - TC-14
  - TC-16
  - TC-22
  - TC-26

**SUGGESTED SEQUENCE OF CONSTRUCTION**

THE FOLLOWING IS THE CONSTRUCTION STAGING FOR THIS PROJECT. THE PURPOSE OF THIS STAGING IS THE MINIMIZE DELAYS TO THE MOTORIST. THE CONTRACTOR MAY ALTER THE SEQUENCE OF CONSTRUCTION WITH THE PRIOR APPROVAL OF THE ENGINEER. MAINTENANCE OF TRAFFIC RELATES TO GRAND AVENUE AND YORK ROAD INTERSECTION, UNLESS OTHERWISE NOTED.

**PRE-STAGE**

**TRAFFIC CONFIGURATION**

- MAINTAIN TRAFFIC AS IN EXISTING CONFIGURATION AT YORK ROAD AND GRAND AVENUE INTERSECTION

**WORK PERFORMED (ALL INTERSECTIONS)**

- SET UP DAILY LANE CLOSURES
- INSTALL ADVANCED ROADWORK SIGNAGE
- INSTALL TEMPORARY TRAFFIC SIGNALS AT ALL SIGNAL LOCATIONS
- INSTALL TEMPORARY PAVEMENT MARKINGS
- REMOVE CONFLICTING PAVEMENT MARKINGS

**STAGE 1**

**TRAFFIC CONFIGURATION**

- MAINTAIN 11' LANES ON GRAND AVENUE AND YORK ROAD
- TRAFFIC SHIFTED TOWARDS ROADWAY CENTERLINE
- MAINTAIN 14' RIGHT TURN LANE AT CORNER ISLANDS

**WORK PERFORMED (GRAND AVENUE AND YORK STREET INTERSECTION)**

- SET UP DAILY LANE CLOSURES
- REMOVE EXISTING CORNER ISLANDS
- PLACE PAVEMENT BASE COURSE IN CORNER ISLANDS
- PLACE HMA TEMPORARY PAVEMENT IN CORNER ISLANDS
- REMOVE EXISTING TRAFFIC SIGNALS AT ALL SIGNAL LOCATIONS

**STAGE 2**

**TRAFFIC CONFIGURATION**

- MAINTAIN TRAFFIC AS IN STAGE 1, WITH THE EXCEPTION OF RIGHT TURN TRAFFIC
- SHIFT RIGHT TURN TRAFFIC INSIDE TO NEWLY CONSTRUCTED PAVEMENT

**WORK PERFORMED (GRAND AVENUE AND YORK STREET INTERSECTION)**

- SET UP DAILY LANE CLOSURES
- REMOVE RIGHT TURN LANE PAVEMENT
- REMOVE CURB AND GUTTER AND SIDEWALK
- POUR CURB AND GUTTER AND SIDEWALK

**STAGE 3**

**TRAFFIC CONFIGURATION**

- SHIFT TRAFFIC TOWARDS OUTSIDE CURB LINE, MAINTAINING 11' LANES
- INSTALL TEMPORARY PAVEMENT MARKINGS
- REMOVE CONFLICTING PAVEMENT MARKINGS

**WORK PERFORMED (GRAND AVENUE AND YORK STREET INTERSECTION & GRAND AVENUE AND CHURCH ROAD INTERSECTION)**

- SET UP DAILY LANE CLOSURES
- REMOVE PORTIONS OF EXISTING RAISED MEDIAN AS SHOWN ON PLANS
- INSTALL PAVEMENT BASE COURSE IN LOCATIONS OF REMOVED MEDIAN

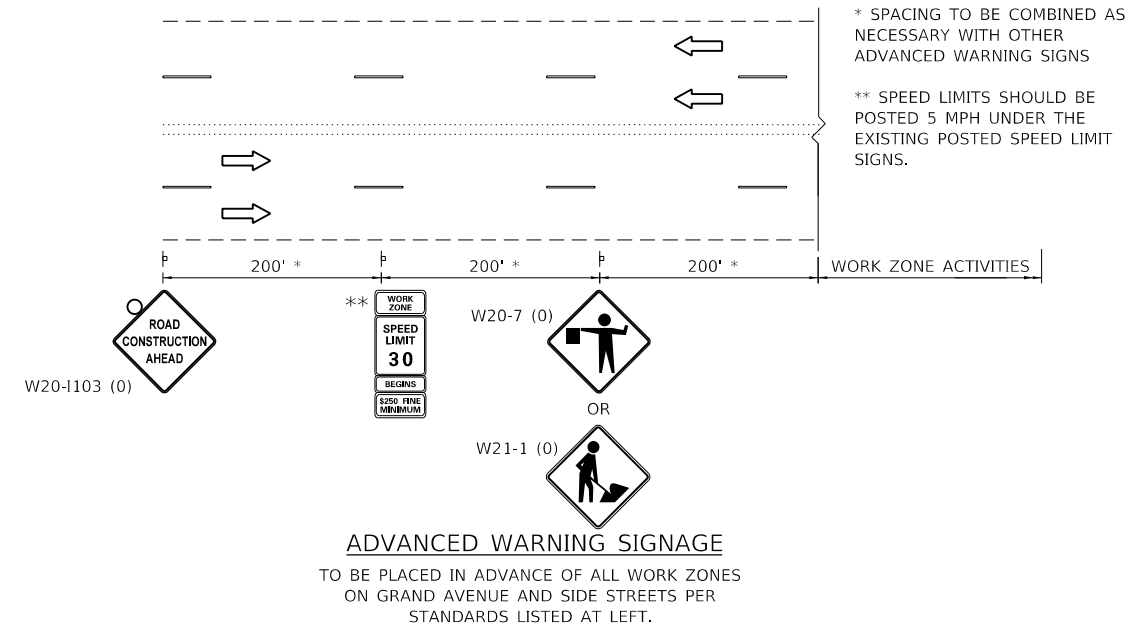
**STAGE 4**

**TRAFFIC CONFIGURATION**

- MAINTAIN TRAFFIC AS IN STAGE 3

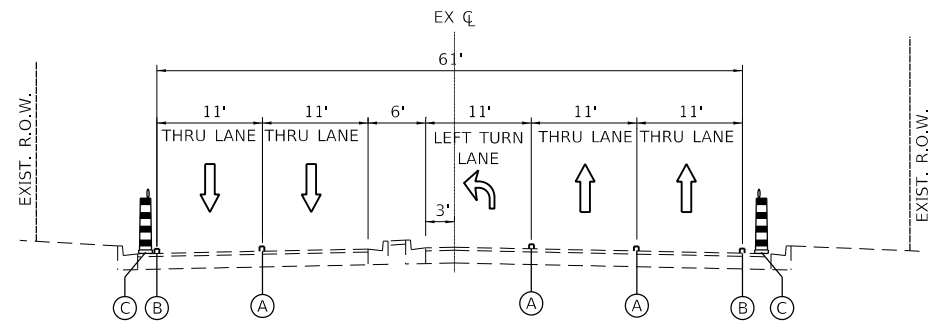
**WORK PERFORMED (ENTIRE PROJECT LIMIT)**

- SET UP DAILY LANE CLOSURES
- PLACE TEMPORARY PAVEMENT MARKINGS AS NEEDED
- HMA SURFACE REMOVAL
- PAVEMENT PATCHING AS NEEDED
- CURB AND GUTTER REPLACEMENT AS NEEDED
- SIDEWALK AND DRIVEWAY IMPROVEMENTS
- HMA RESURFACING
- PLACE PERMANENT PAVEMENT MARKINGS
- LANDSCAPING
- INSTALL NEW TRAFFIC SIGNALS AT ALL INTERSECTIONS

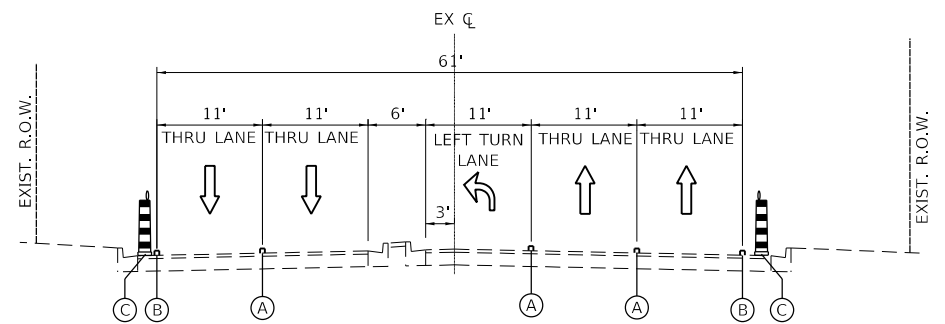


**LEGEND**

- (A) TEMPORARY PAVEMENT MARKING, 4" SKIP DASH
- (B) TEMPORARY PAVEMENT MARKING, 4" SOLID LINE (WHITE)
- (C) DRUM OR TYPE II BARRICADE WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' SPACING (25' IN TAPPERS AND CURVES)



**GRAND AVENUE @ YORK ROAD - MOT TYPICAL SECTION**  
STAGE 1 & 2  
WEST LEG OF INTERSECTION SHOWN (EAST LEG SIMILAR)



**YORK ROAD - MOT TYPICAL SECTION**  
STAGE 1 & 2  
SOUTH LEG OF INTERSECTION SHOWN (NORTH LEG SIMILAR)

MODEL: Default  
FILE NAME: 17-00272-03-SP-17-00272-03-SP-001.dgn



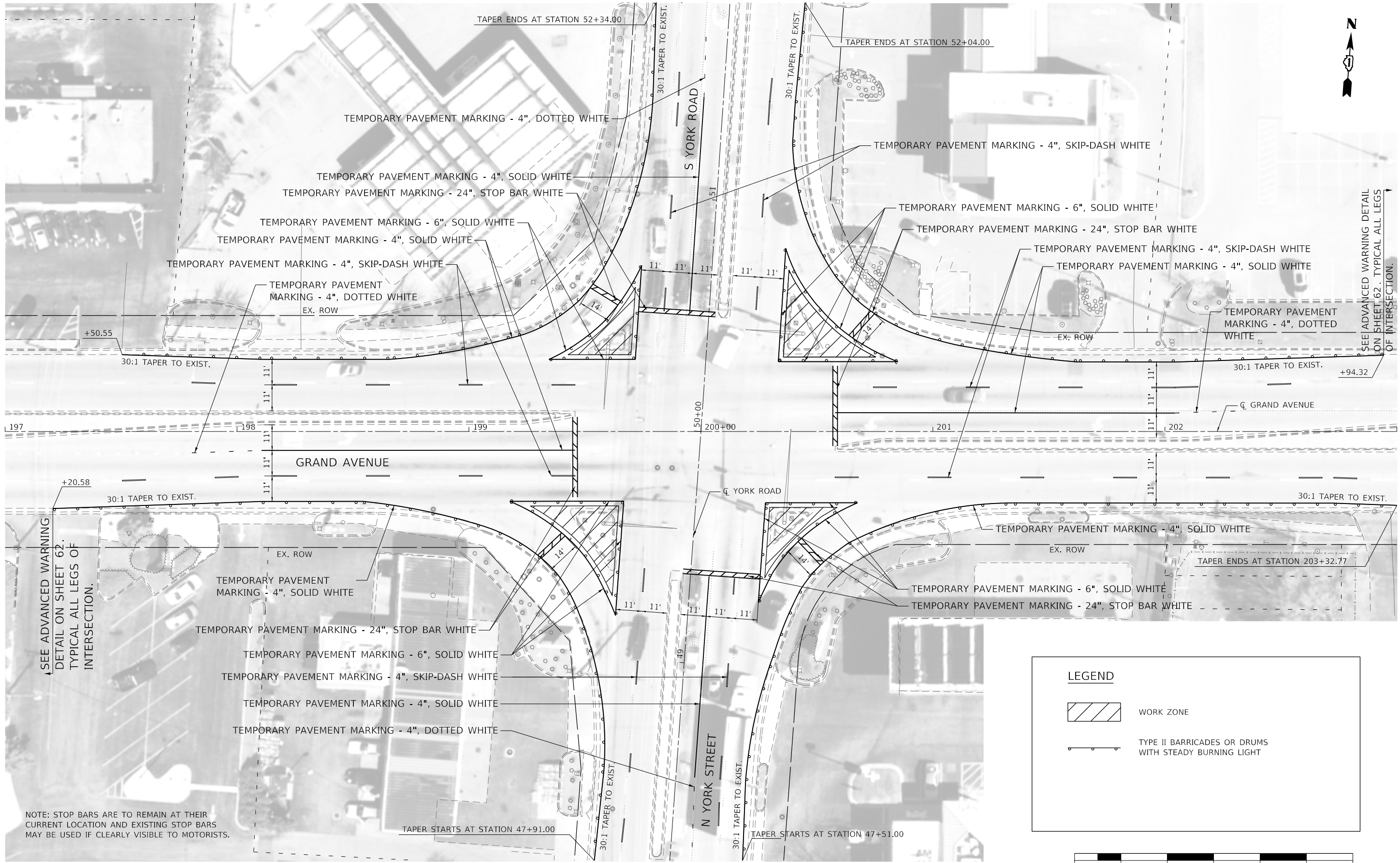
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
GENERAL NOTES & TYPICAL SECTION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	62
CONTRACT NO. 61H02			ILLINOIS / FED. AID PROJECT	



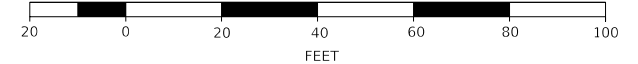
SEE ADVANCED WARNING DETAIL ON SHEET 62. TYPICAL ALL LEGS OF INTERSECTION.

SEE ADVANCED WARNING DETAIL ON SHEET 62. TYPICAL ALL LEGS OF INTERSECTION.

NOTE: STOP BARS ARE TO REMAIN AT THEIR CURRENT LOCATION AND EXISTING STOP BARS MAY BE USED IF CLEARLY VISIBLE TO MOTORISTS.

**LEGEND**

- WORK ZONE
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHT



MODEL: Default  
FILE NAME: 17-00272-03-SP-Stage01.dwg



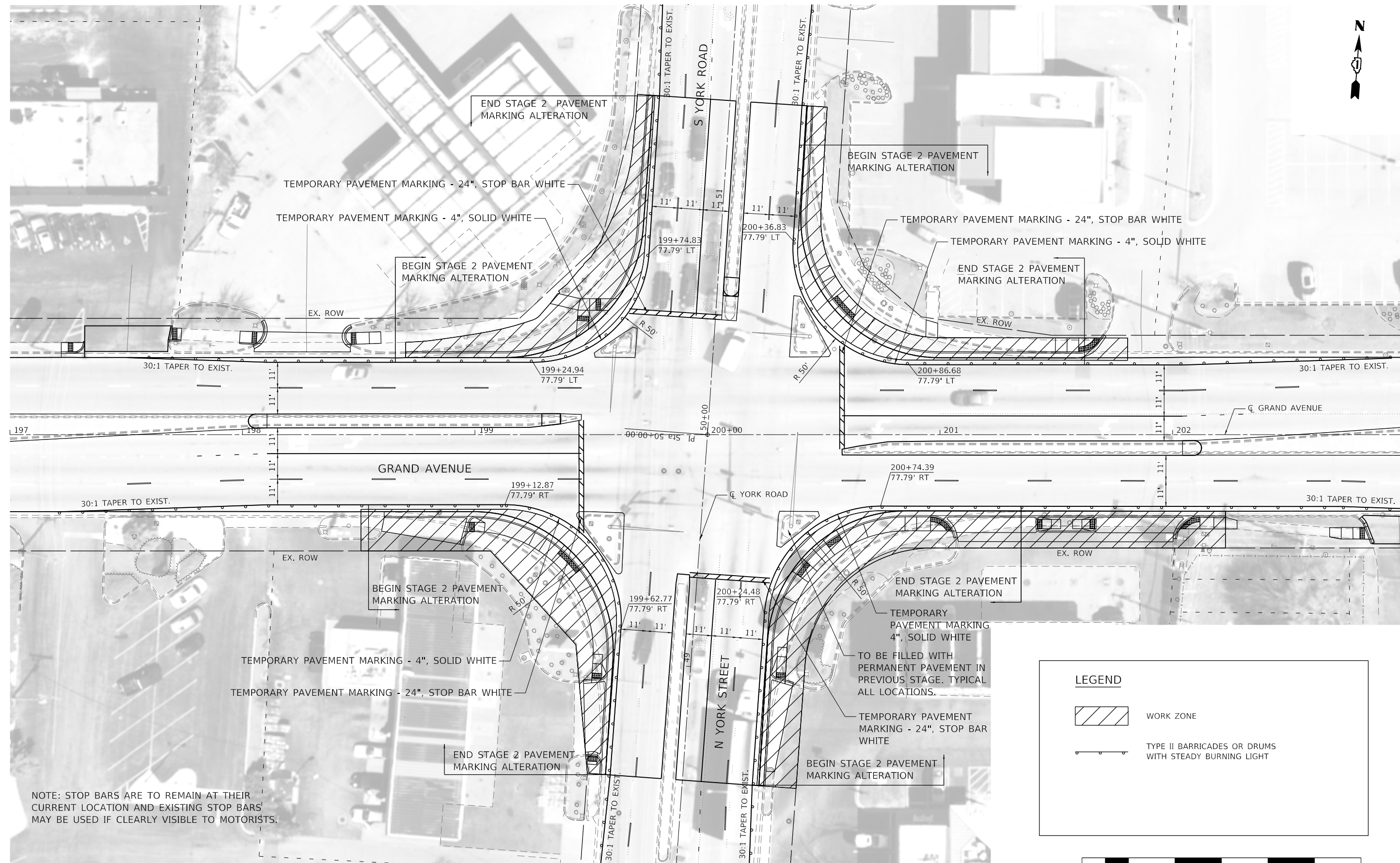
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	DRAWN - SPB	REVISED -
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE TRAFFIC  
STAGE 1**

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 197+00 TO STA. 203+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	63
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	



NOTE: STOP BARS ARE TO REMAIN AT THEIR CURRENT LOCATION AND EXISTING STOP BARS MAY BE USED IF CLEARLY VISIBLE TO MOTORISTS.

**LEGEND**

- WORK ZONE
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHT



MODEL: Default  
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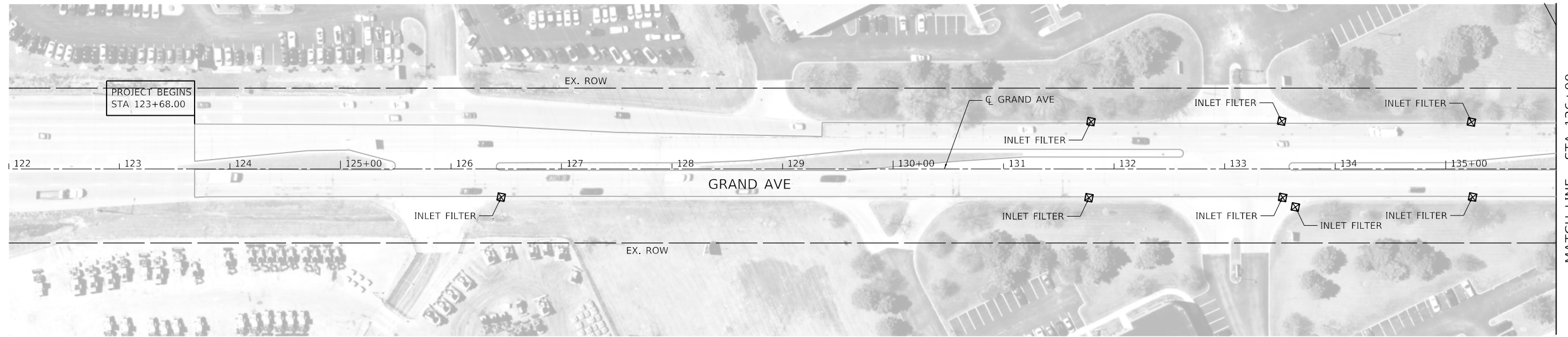
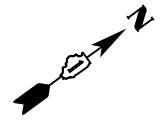
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

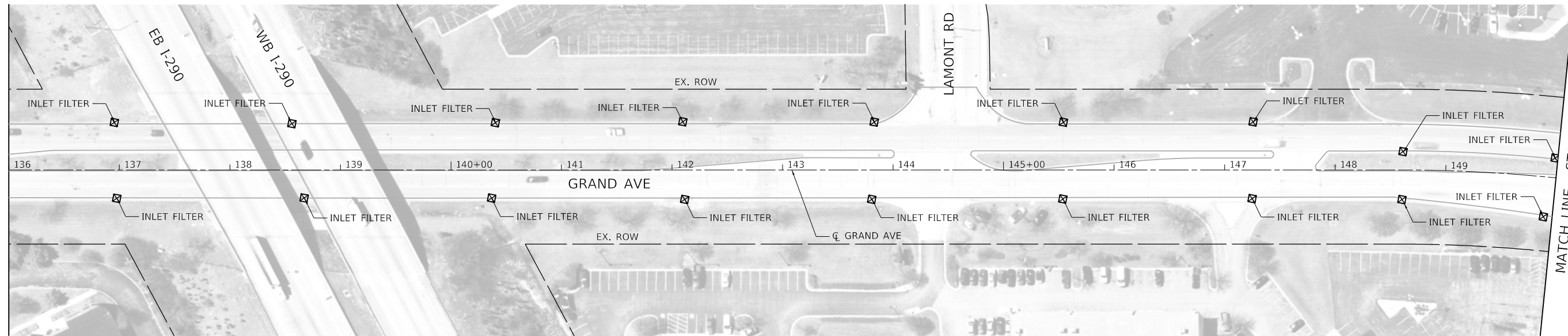
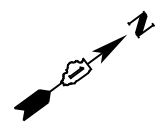
<b>MAINTENANCE TRAFFIC STATE 2</b>		
SCALE: 1" = 20'	SHEET 2 OF 2 SHEETS	STA. 197+00 TO STA. 203+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	64
			CONTRACT NO. 61H02	
			ILLINOIS FED. AID PROJECT	



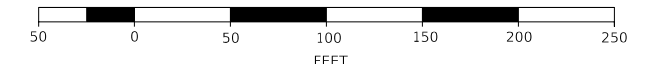


MATCH LINE - STA 136+00



MATCH LINE - STA 136+00

MATCH LINE - STA 150+00



MODEL: Default  
FILE NAME: 17-00272-03-SP-61H02.dwg



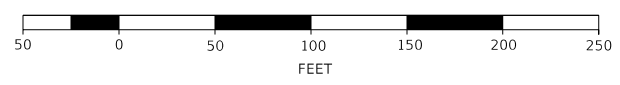
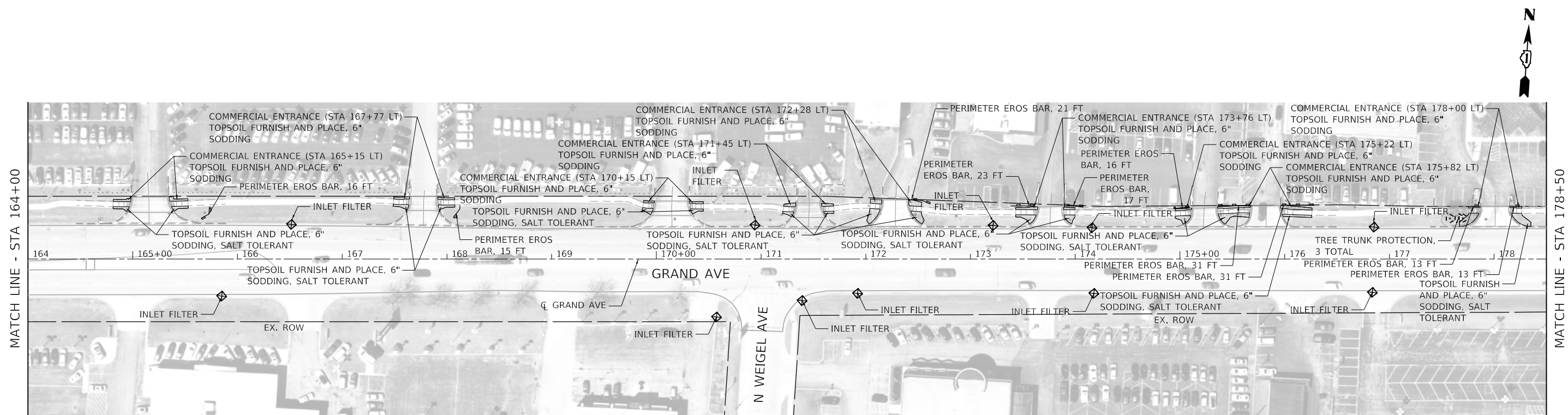
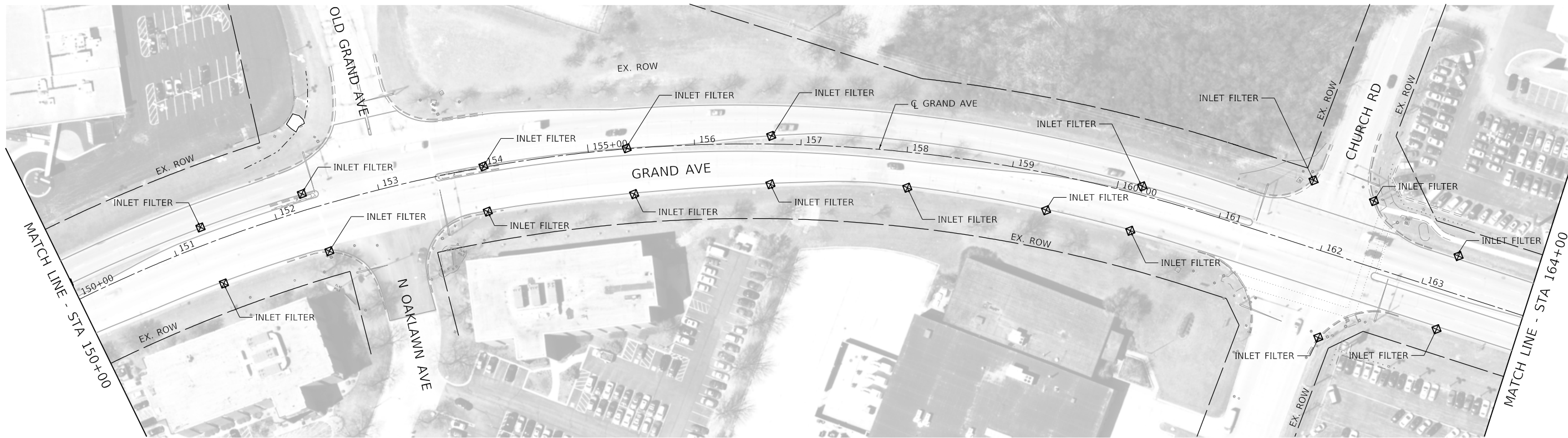
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DRAWN - SPB	REVISOR -	
PLOT SCALE = 100.0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
EROSION CONTROL AND LANDSCAPE PLAN**

SCALE: 1" = 50'    SHEET 1 OF 5 SHEETS    STA. 123+68 TO STA. 150+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	65
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
 FILE NAME: 17-0272-03-SP-02.dwg

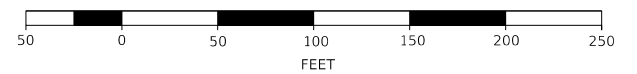
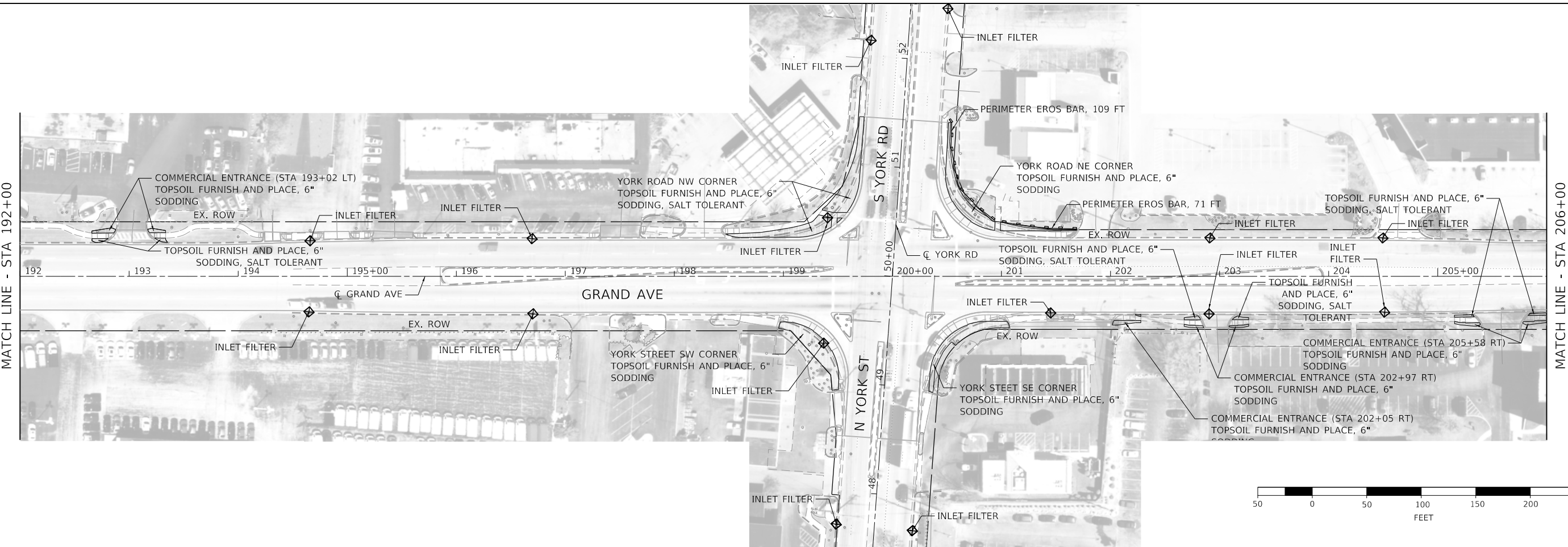
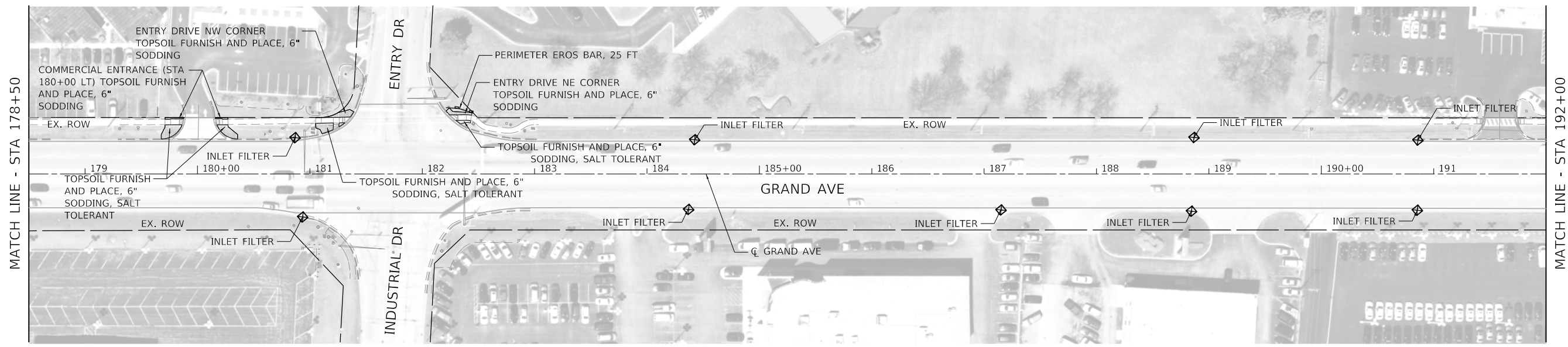


USER NAME = jrobinson	DESIGNED - SPB	REVISED -
DRAWN - SPB	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

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

<b>GRAND AVENUE</b> <b>EROSION CONTROL AND LANDSCAPE PLAN</b>		
SCALE: 1" = 50'	SHEET 2 OF 5 SHEETS	STA. 150+00 TO STA. 178+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	66
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
 FILE NAME: 17-0272-03-SP-61H02.dwg



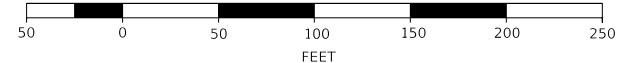
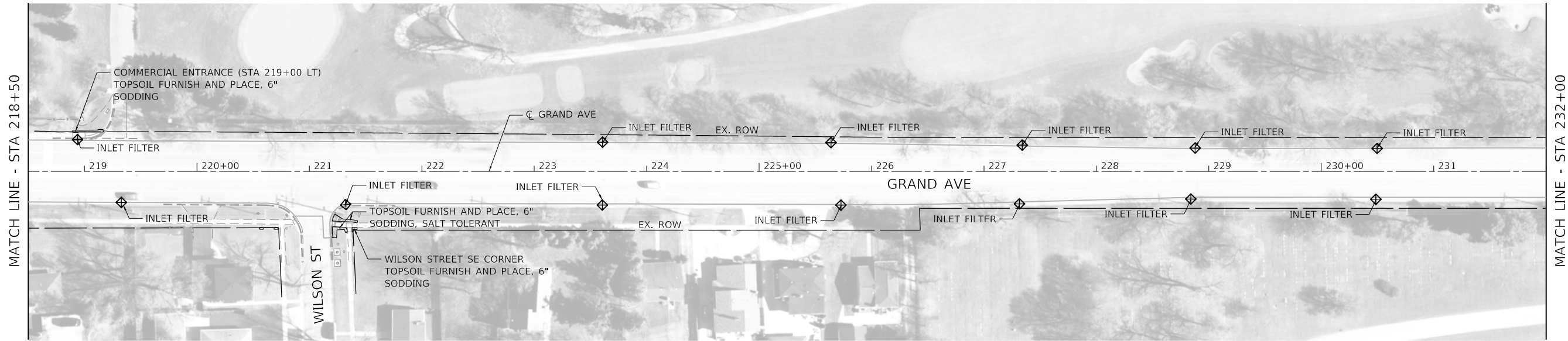
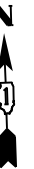
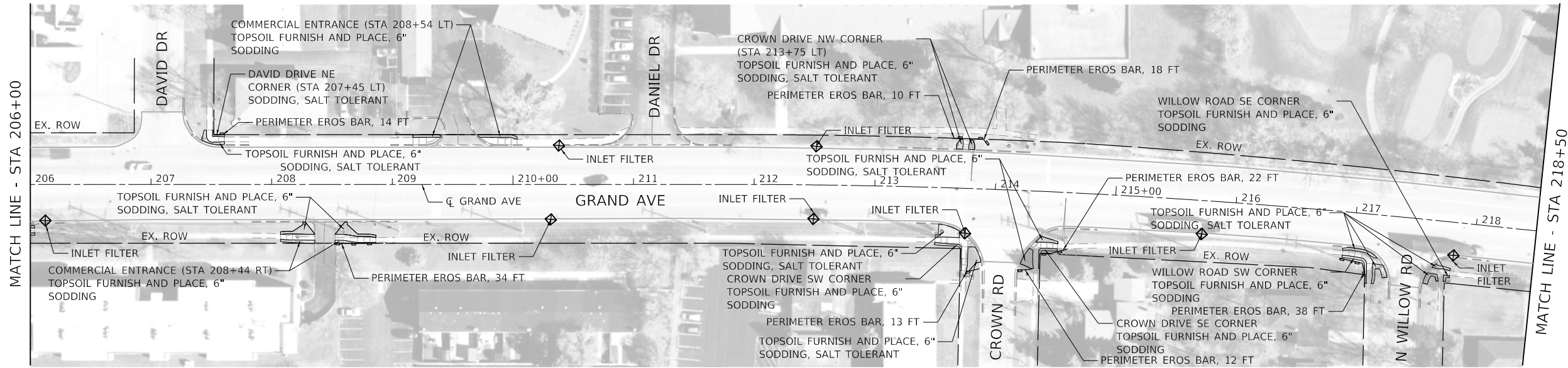
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PLOT SCALE = 100,0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

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

**GRAND AVENUE**  
**EROSION CONTROL AND LANDSCAPE PLAN**

SCALE: 1" = 50'    SHEET 3 OF 5 SHEETS    STA. 178+50 TO STA. 206+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	67
CONTRACT NO. 61H02				
ILLINOIS		FED. AID PROJECT		



MODEL: Default  
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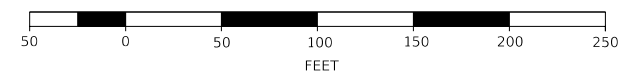
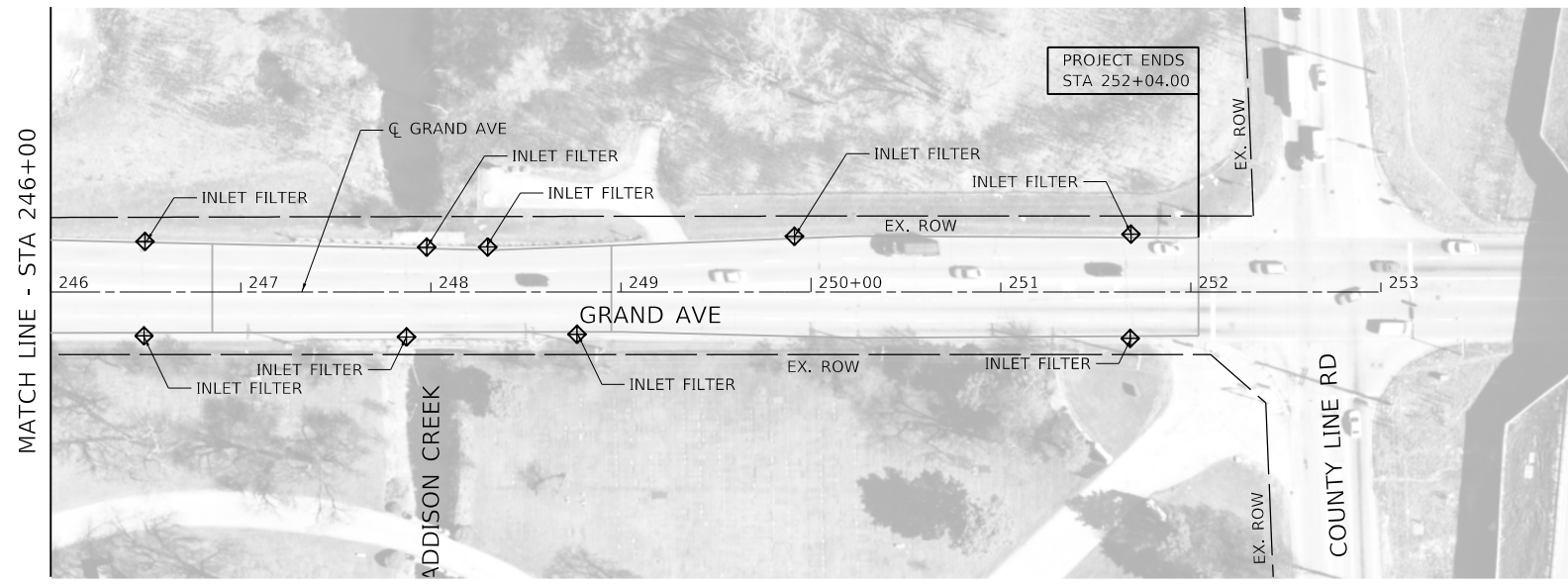
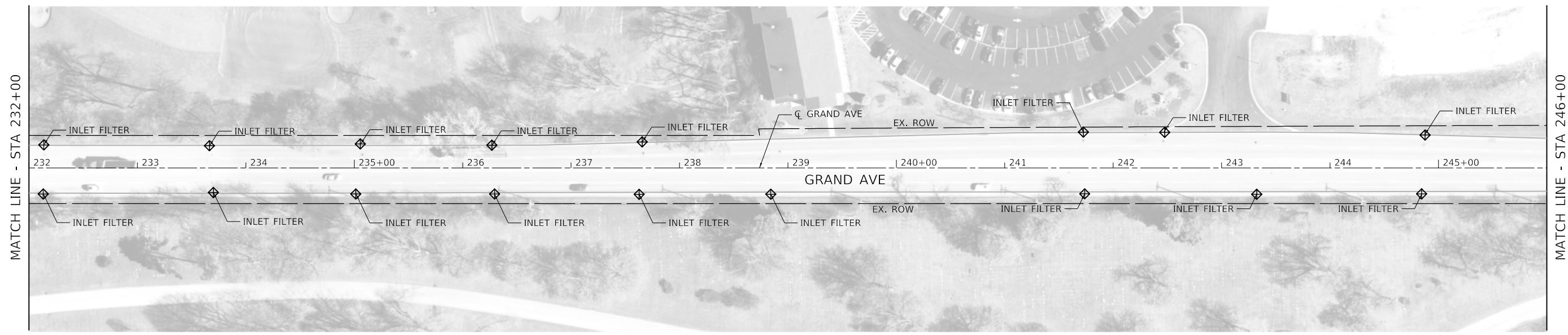


USER NAME = jrobinson	DESIGNED - SPB	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - SPB	REVISED -
PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>GRAND AVENUE          EROSION CONTROL AND LANDSCAPE PLAN</b>			
SCALE: 1" = 50'	SHEET 4 OF 5 SHEETS	STA. 206+00 TO STA. 232+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	68
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
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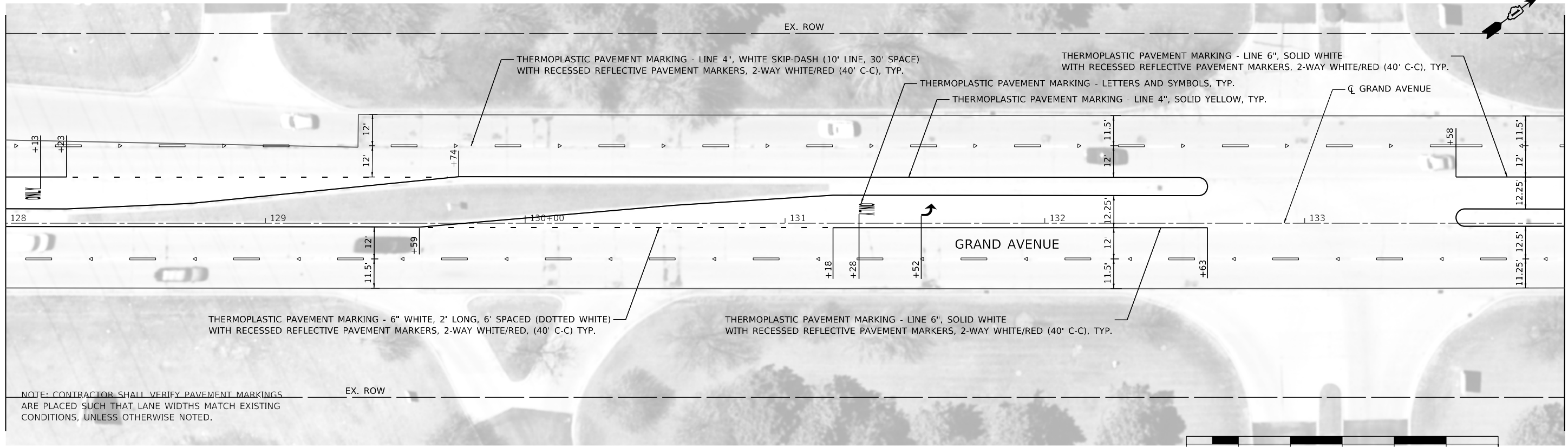
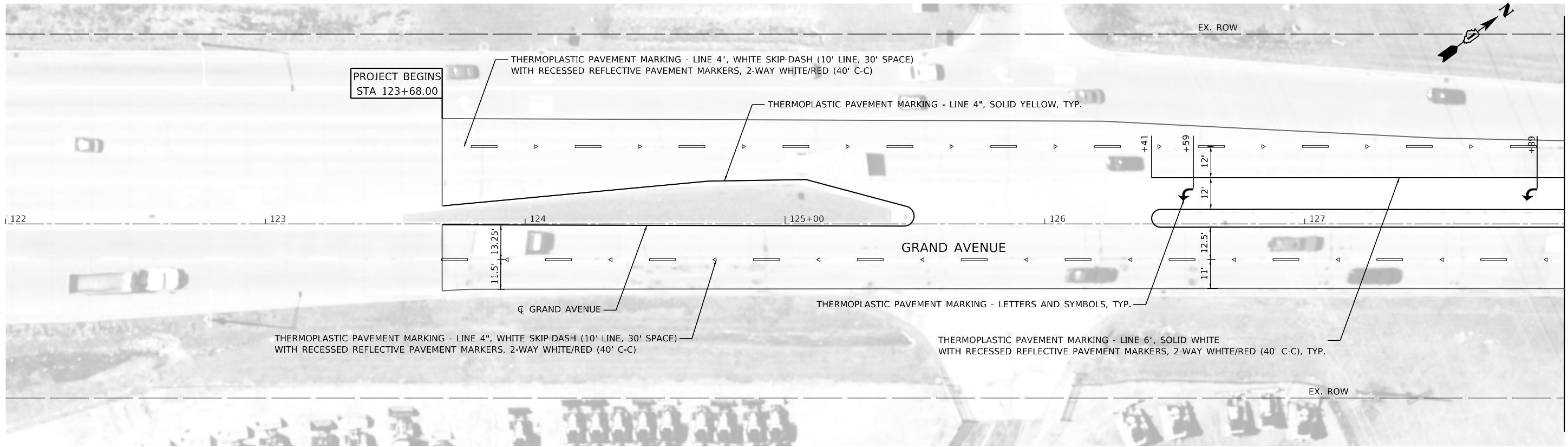
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DRAWN - SPB	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

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

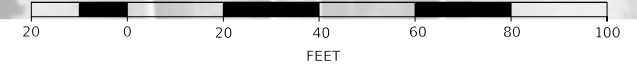
**GRAND AVENUE**  
**EROSION CONTROL AND LANDSCAPE PLAN**

SCALE: 1" = 50'    SHEET 5 OF 5 SHEETS    STA. 232+00 TO STA. 252+04

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	69
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



NOTE: CONTRACTOR SHALL VERIFY PAVEMENT MARKINGS ARE PLACED SUCH THAT LANE WIDTHS MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.



MODEL: Default  
FILE NAME: 170712-rtb-pmk-01.dgn



USER NAME = jrobinson	DESIGNED - LTO	REVISED -
	DRAWN - LTO	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

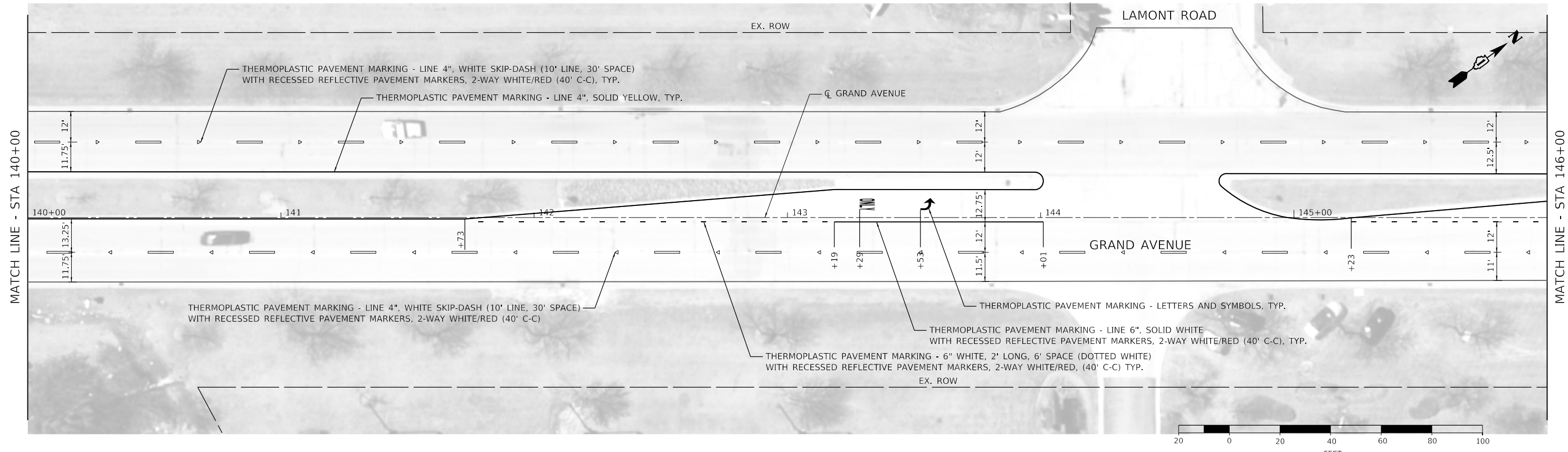
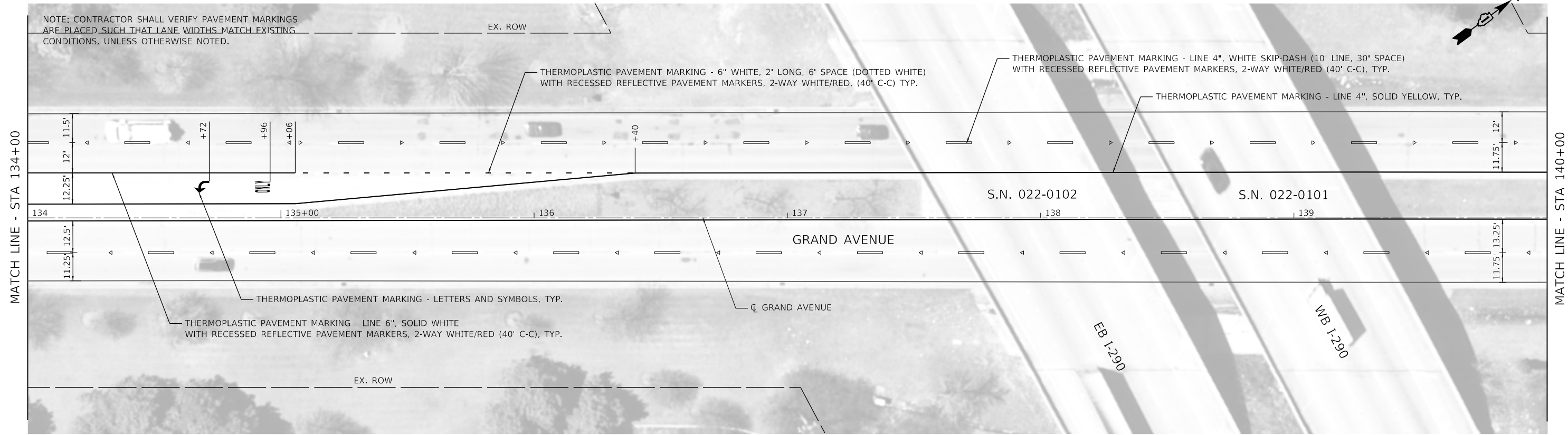
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
PAVEMENT MARKING PLAN**

SCALE: 1" = 20'    SHEET 1 OF 13 SHEETS    STA. 122+00 TO STA. 134+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	70
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	

NOTE: CONTRACTOR SHALL VERIFY PAVEMENT MARKINGS ARE PLACED SUCH THAT LANE WIDTHS MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.



MODEL: Default  
FILE NAME: 17-00272-03-SP-61H02.dgn



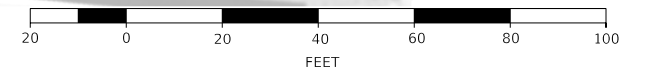
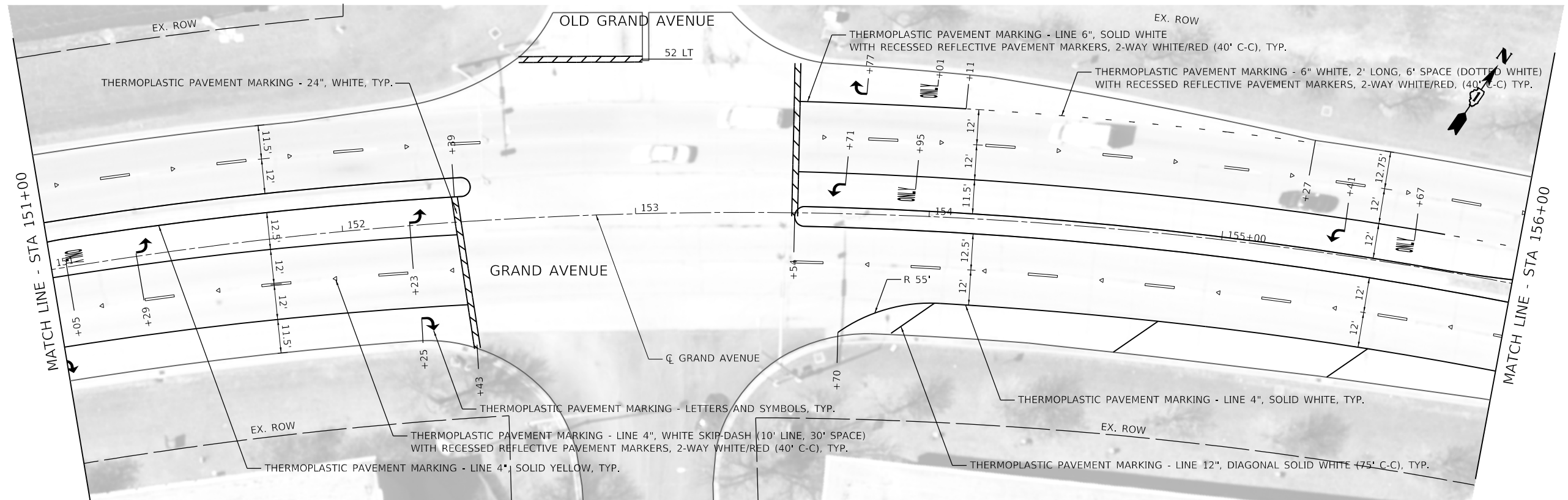
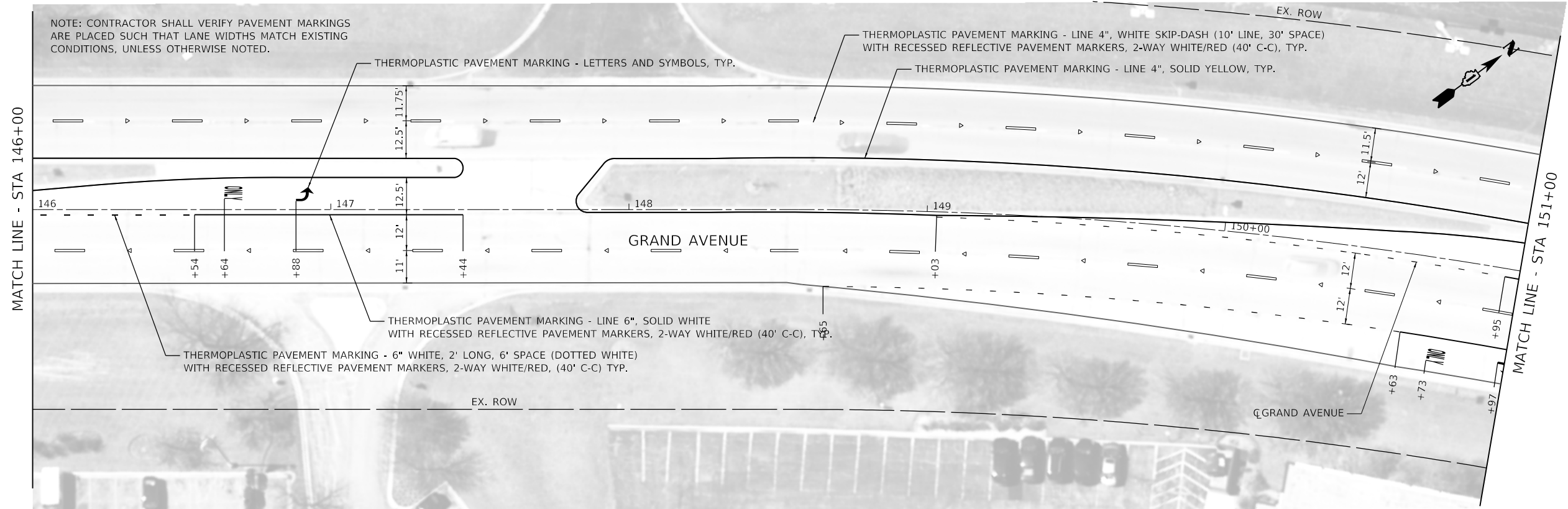
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PLOT SCALE = 40,0000 ' / in.	DRAWN - LTO	REVISED -
PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GRAND AVENUE PAVEMENT MARKING PLAN</b>		
SCALE: 1" = 20'	SHEET 2 OF 13 SHEETS	STA. 134+00 TO STA. 146+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	71
CONTRACT NO. 61H02				
ILLINOIS		FED. AID PROJECT		

NOTE: CONTRACTOR SHALL VERIFY PAVEMENT MARKINGS ARE PLACED SUCH THAT LANE WIDTHS MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.



MODEL: Default  
FILE NAME: 17-00272-03-SP-PM-03.dgn



USER NAME = jrobinson	DESIGNED - LTO	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - LTO	REVISED -
PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

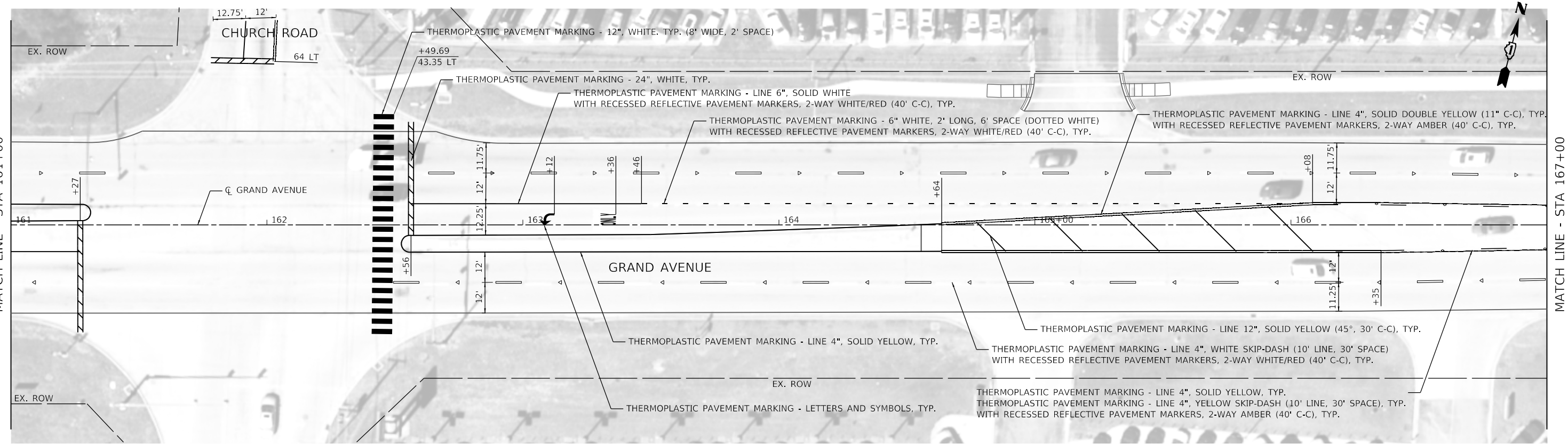
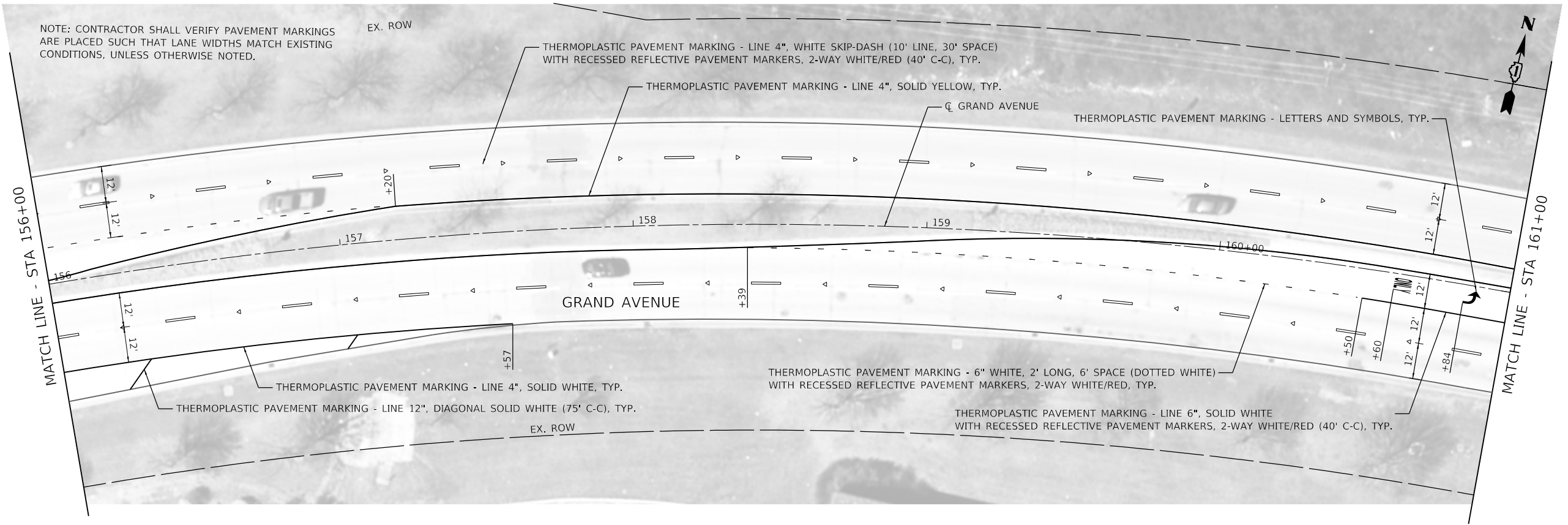
GRAND AVENUE  
PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET 3 OF 13 SHEETS STA. 146+00 TO STA. 156+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	72
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	



NOTE: CONTRACTOR SHALL VERIFY PAVEMENT MARKINGS ARE PLACED SUCH THAT LANE WIDTHS MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.



MODEL: Default  
FILE NAME: 17-00272-03-SP-61H02.dgn

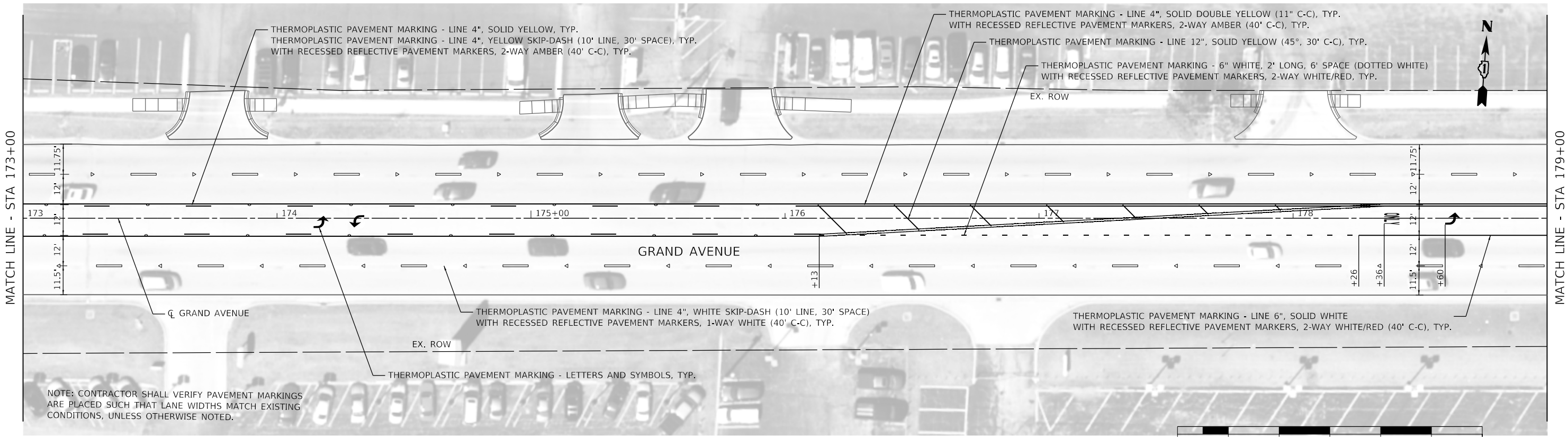
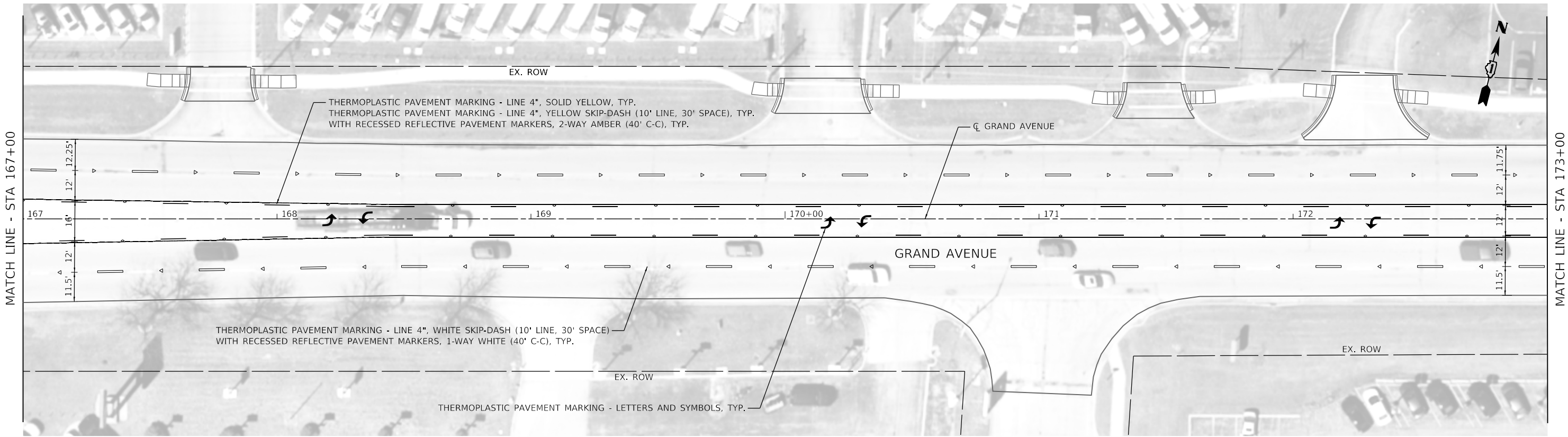


USER NAME = jirobinson	DESIGNED - LTO	REVISED -
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GRAND AVENUE PAVEMENT MARKING PLAN</b>		
SCALE: 1" = 20'	SHEET 4 OF 13 SHEETS	STA. 156+00 TO STA. 167+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	73
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
FILE NAME: 173+00-179+00.dgn

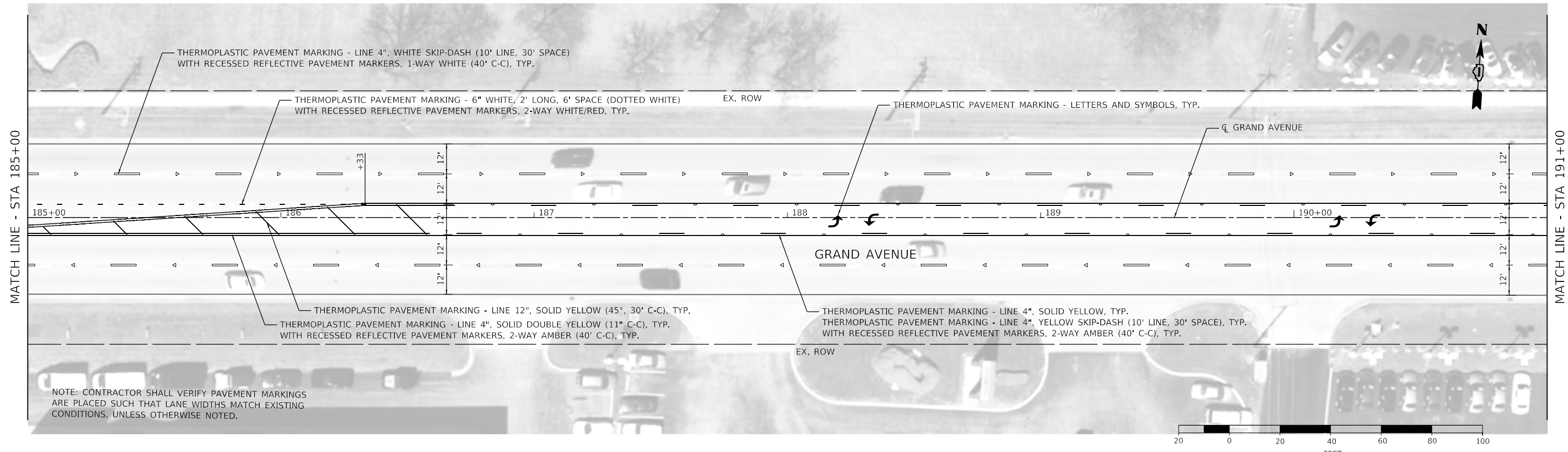
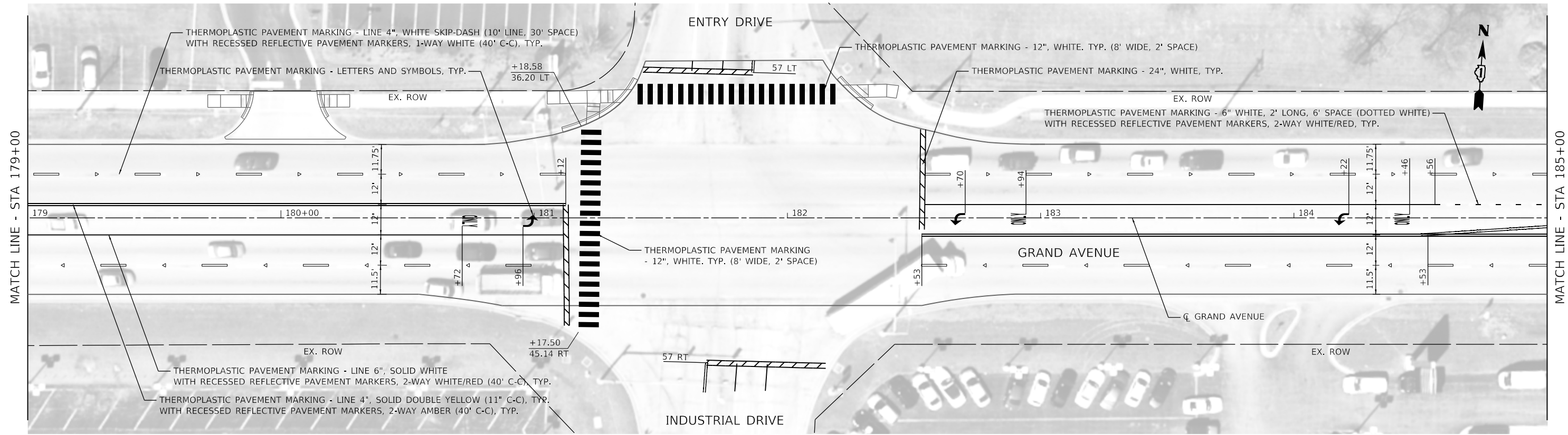


USER NAME = jrobinson	DESIGNED - LTO	REVISED -
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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GRAND AVENUE PAVEMENT MARKING PLAN</b>			
SCALE: 1" = 20'	SHEET 5 OF 13 SHEETS	STA. 167+00 TO STA. 179+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	74
			CONTRACT NO. 61H02	
		ILLINOIS	FED. AID PROJECT	



NOTE: CONTRACTOR SHALL VERIFY PAVEMENT MARKINGS ARE PLACED SUCH THAT LANE WIDTHS MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.



MODEL: Default  
FILE NAME: 179+00-185+00-PAVEMENT.dgn



USER NAME = jrobinson	DESIGNED - LTO	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN - LTO	REVISED -
PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

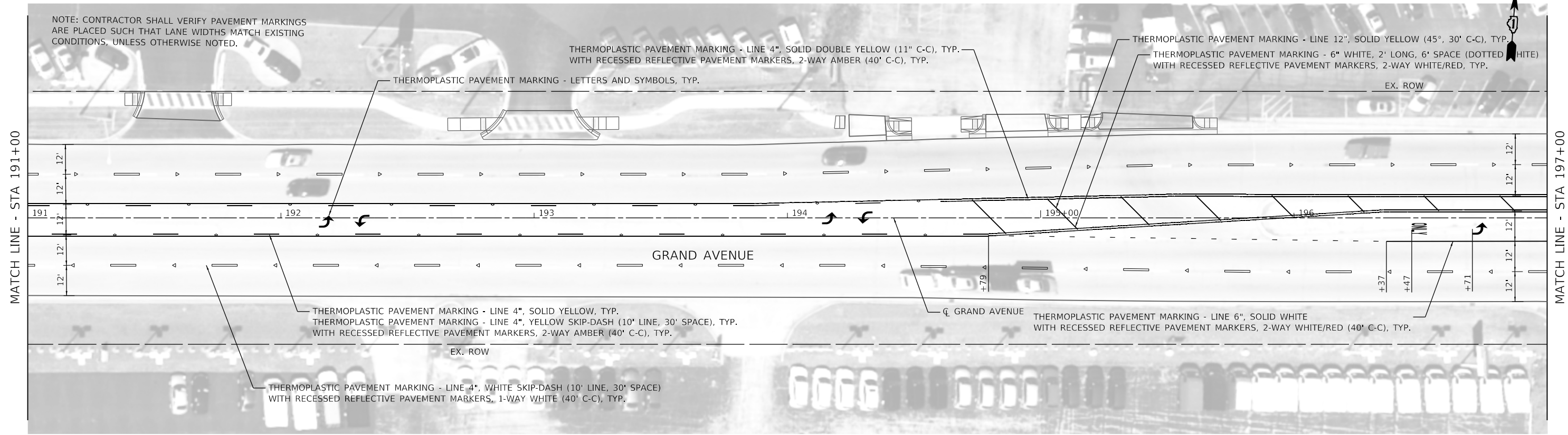
**GRAND AVENUE  
PAVEMENT MARKING PLAN**

SCALE: 1" = 20'    SHEET 6 OF 13 SHEETS    STA. 179+00 TO STA. 191+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	75
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	



NOTE: CONTRACTOR SHALL VERIFY PAVEMENT MARKINGS ARE PLACED SUCH THAT LANE WIDTHS MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.



MATCH LINE - STA 191+00

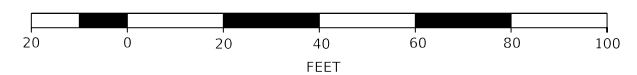
MATCH LINE - STA 197+00

GRAND AVENUE

CL GRAND AVENUE

EX. ROW

EX. ROW



MODEL: Default  
FILE NAME: 17-00272-03-SP-pmk.dgn

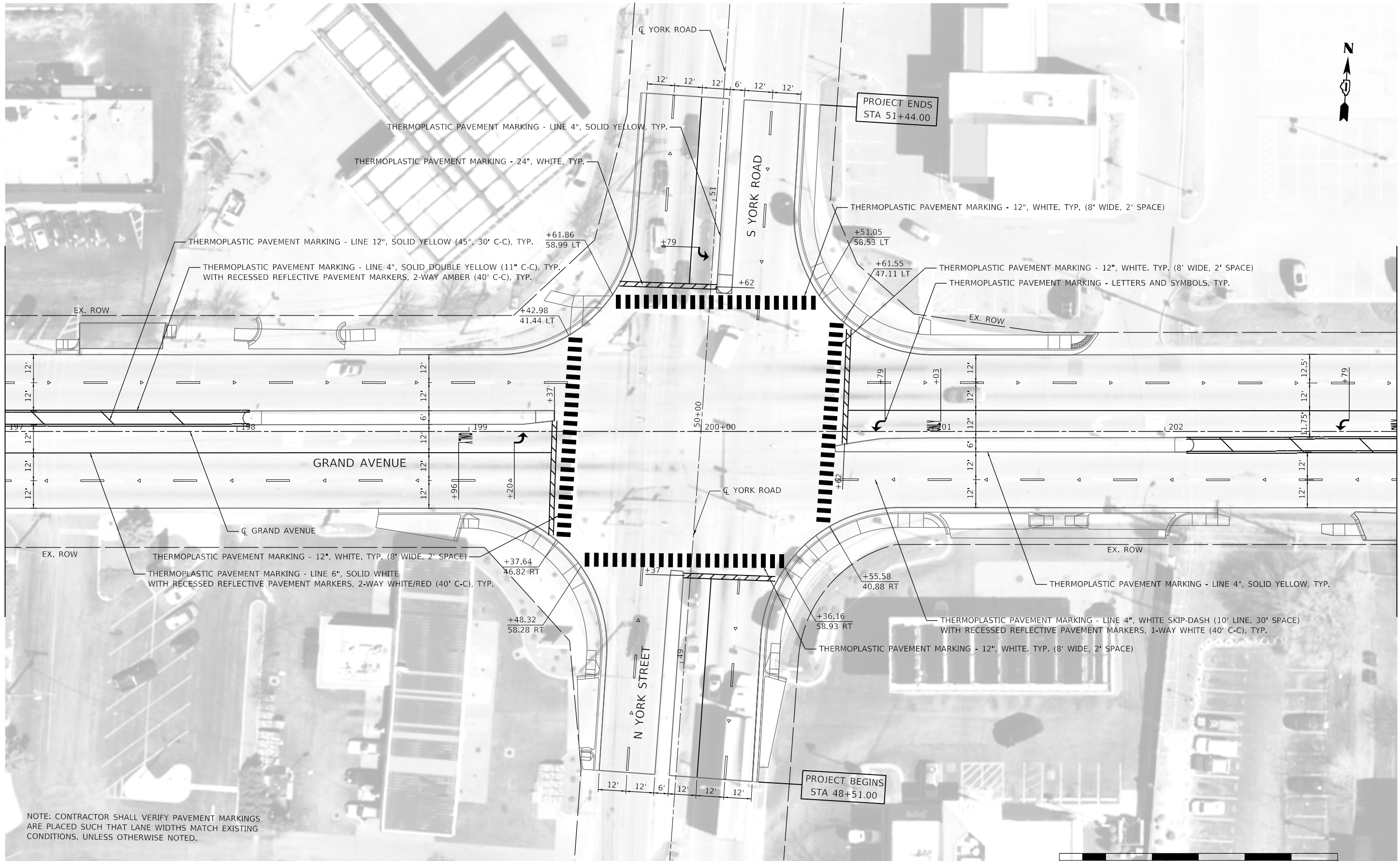


USER NAME = jirobinson	DESIGNED - LTO	REVISED -
DRAWN - LTO	REVISIONS	
PLOT SCALE = 40.0000 ' / in.	CHECKED - JJR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GRAND AVENUE  
PAVEMENT MARKING PLAN  
SCALE: 1" = 20' SHEET 7 OF 13 SHEETS STA. 191+00 TO STA. 197+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	76
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



NOTE: CONTRACTOR SHALL VERIFY PAVEMENT MARKINGS ARE PLACED SUCH THAT LANE WIDTHS MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.



MODEL: Default  
FILE NAME: 17-00272-03-SP-PMK-08.dgn



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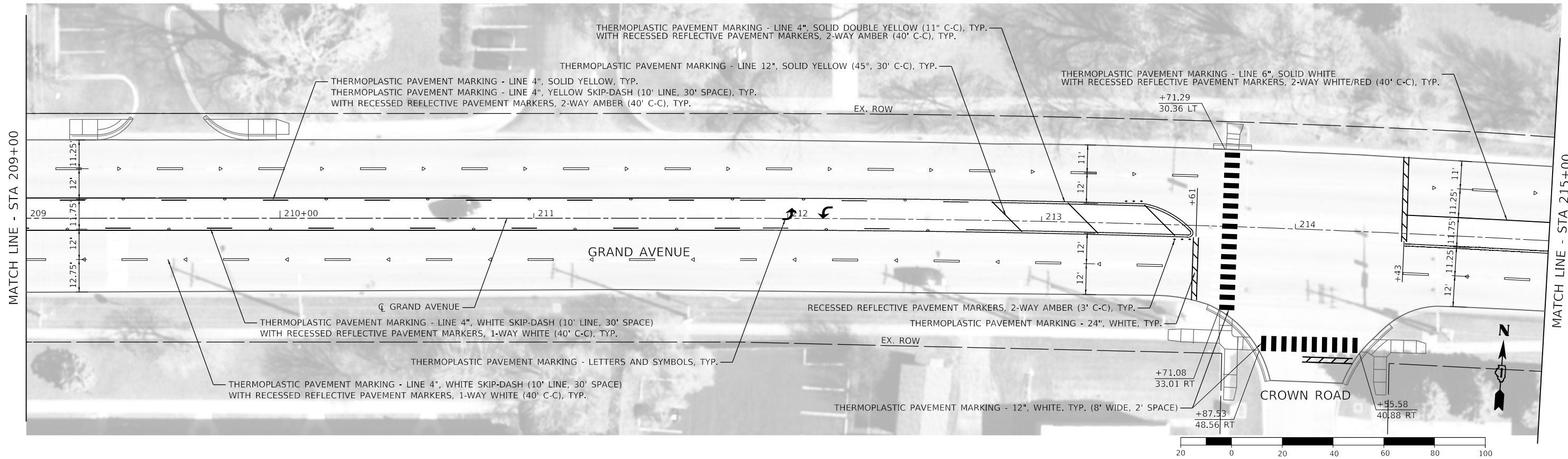
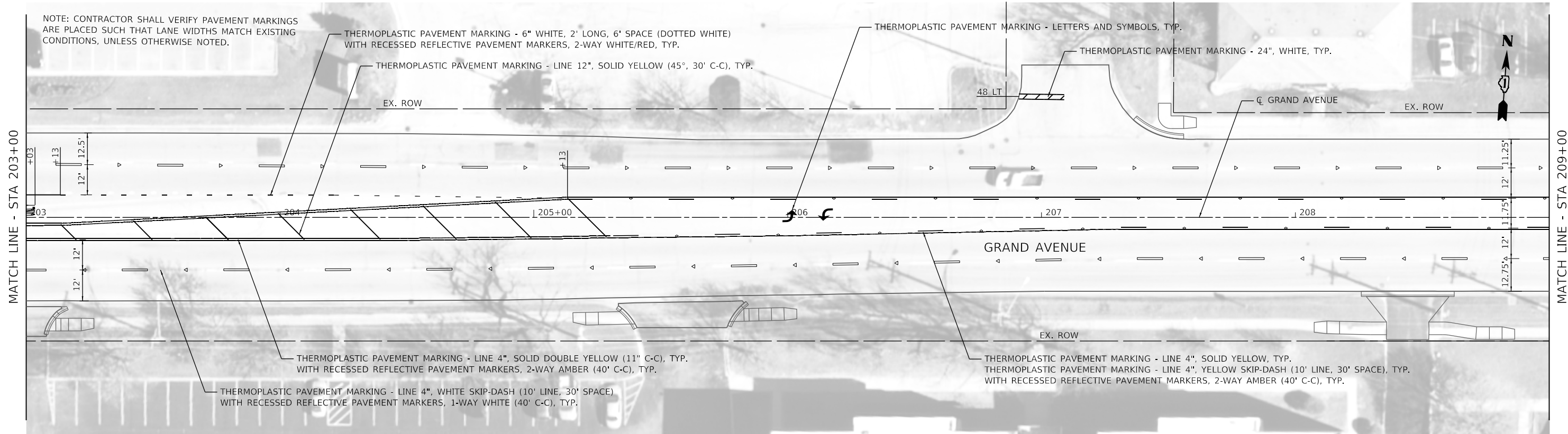
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE  
PAVEMENT MARKING PLAN**

SCALE: 1" = 20'    SHEET 8 OF 13 SHEETS    STA. 197+00 TO STA. 203+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	77
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

NOTE: CONTRACTOR SHALL VERIFY PAVEMENT MARKINGS ARE PLACED SUCH THAT LANE WIDTHS MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.



MODEL: Default  
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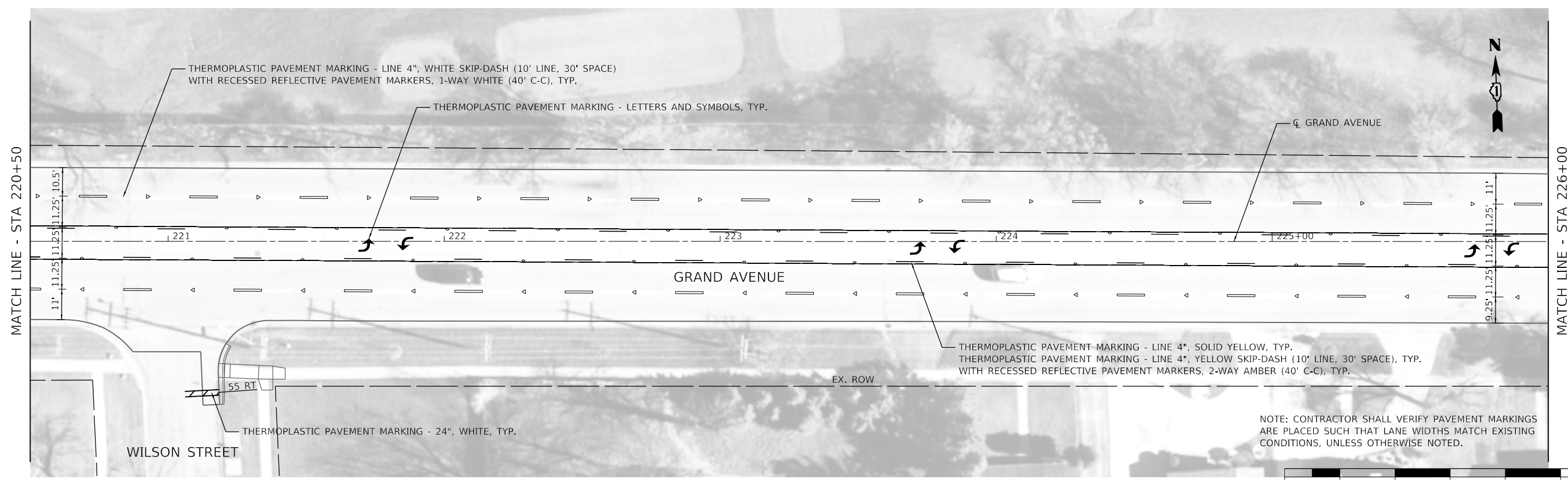
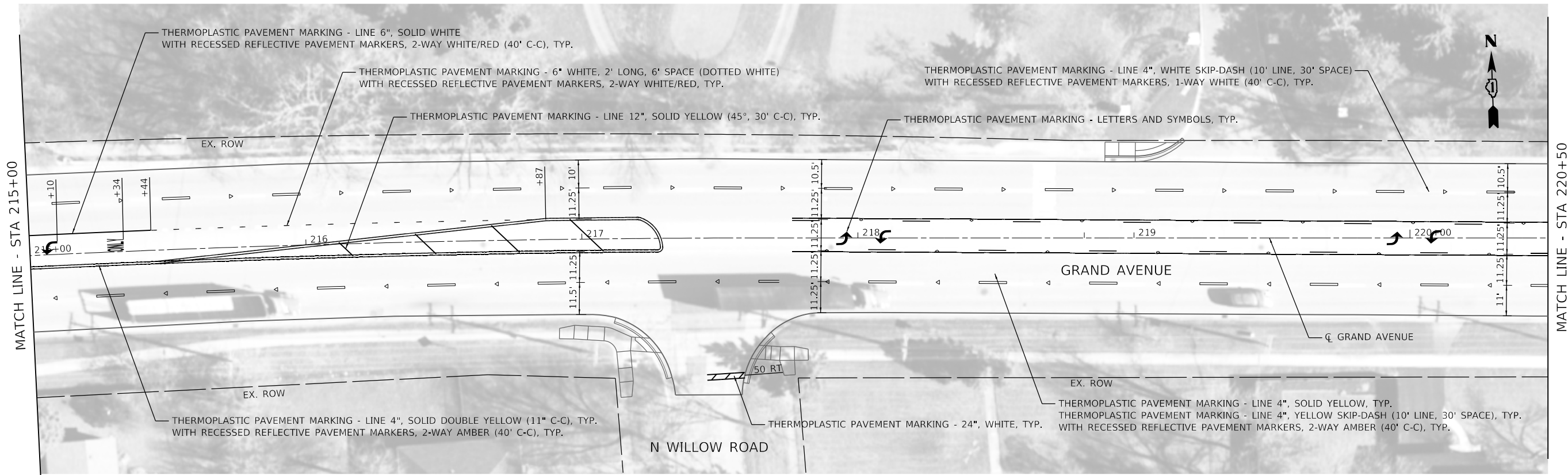


USER NAME = jrobinson	DESIGNED - LTO	REVISED -
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PLOT DATE = 2/9/2021	CHECKED - JIR	REVISED -
	DATE -	REVISED -

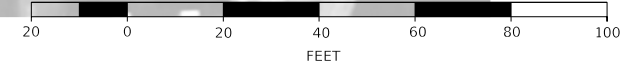
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GRAND AVENUE PAVEMENT MARKING PLAN</b>	
SCALE: 1" = 20'	SHEET 9 OF 13 SHEETS
STA. 203+00	TO STA. 215+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	78
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



NOTE: CONTRACTOR SHALL VERIFY PAVEMENT MARKINGS ARE PLACED SUCH THAT LANE WIDTHS MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.



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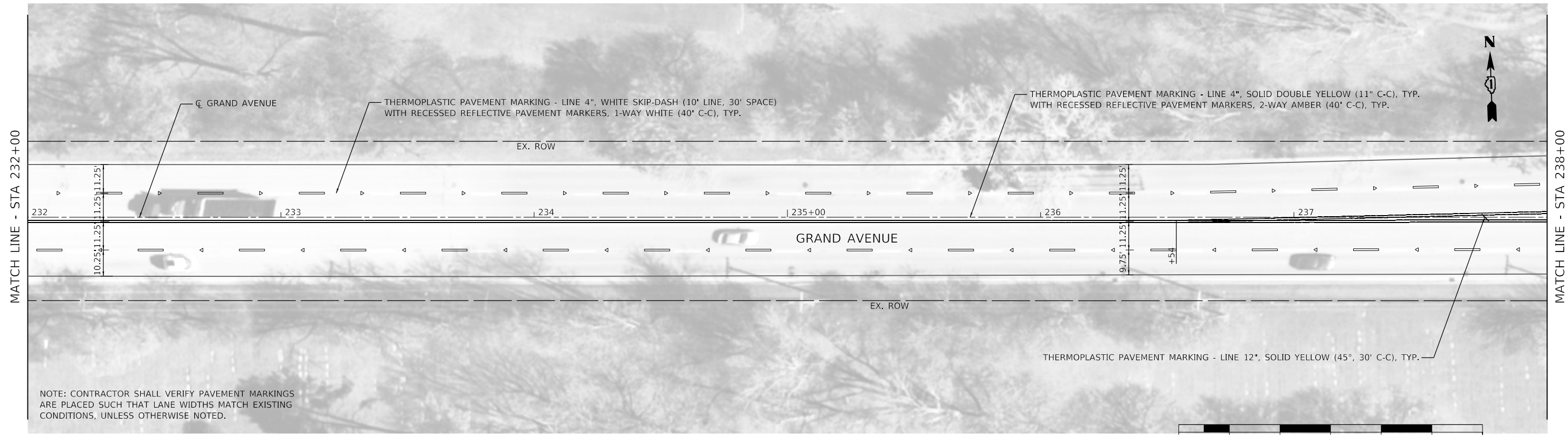
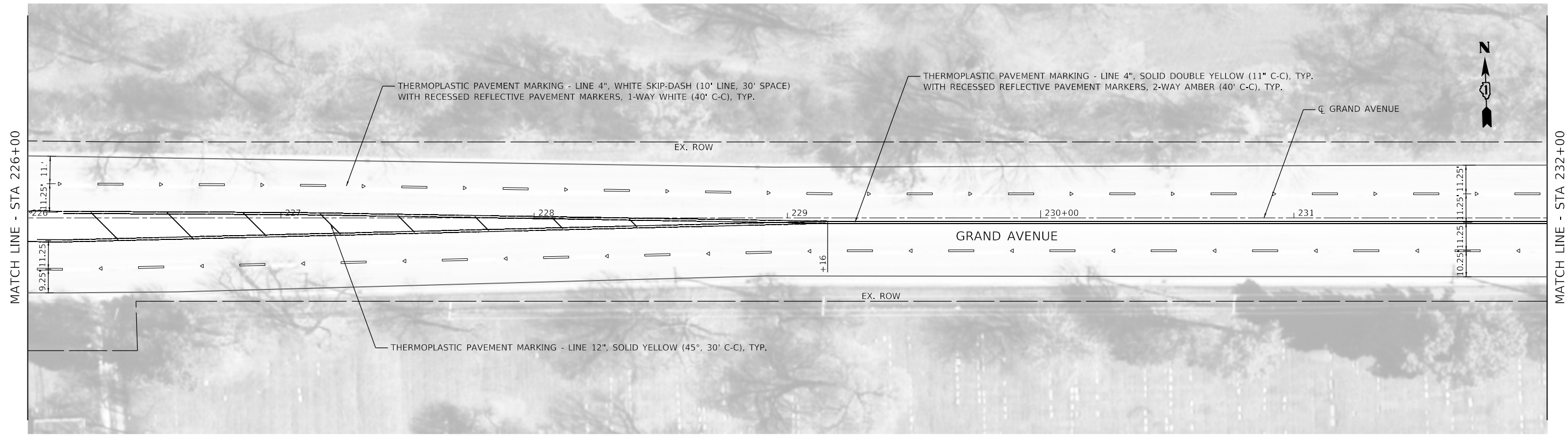


USER NAME = jrobinson	DESIGNED - LTO	REVISED -
DRAWN - LTO	REVISED -	
PLOT SCALE = 40,0000 ' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GRAND AVENUE PAVEMENT MARKING PLAN</b>		
SCALE: 1" = 20'	SHEET 11 OF 13 SHEETS	STA. 215+00 TO STA. 226+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	79
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



NOTE: CONTRACTOR SHALL VERIFY PAVEMENT MARKINGS ARE PLACED SUCH THAT LANE WIDTHS MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.



MODEL: Default  
FILE NAME: 17-0272-03-SP-61H02.dgn



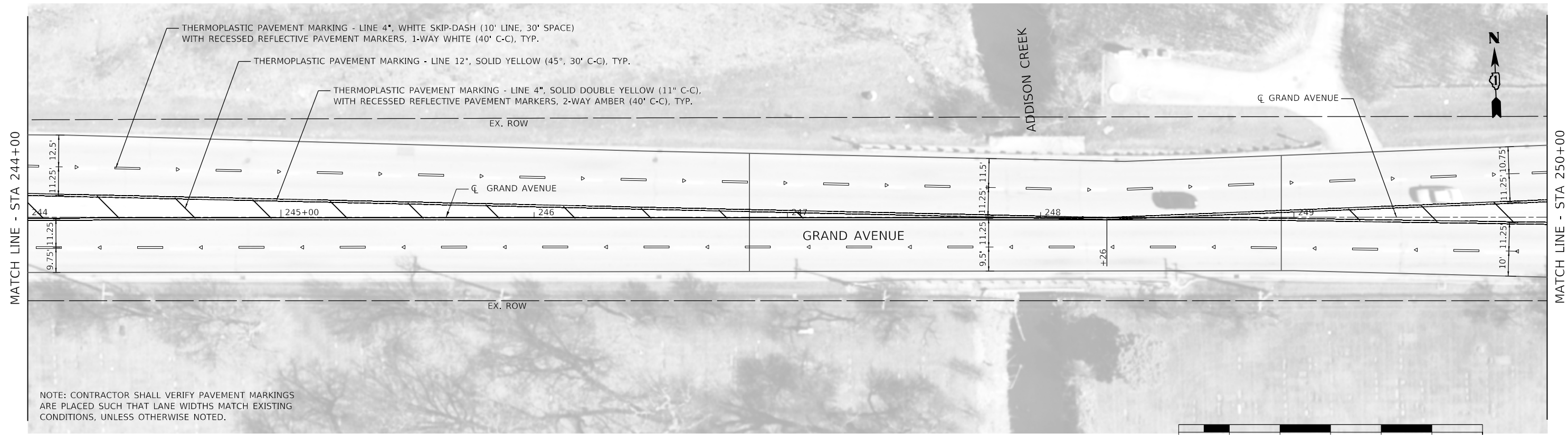
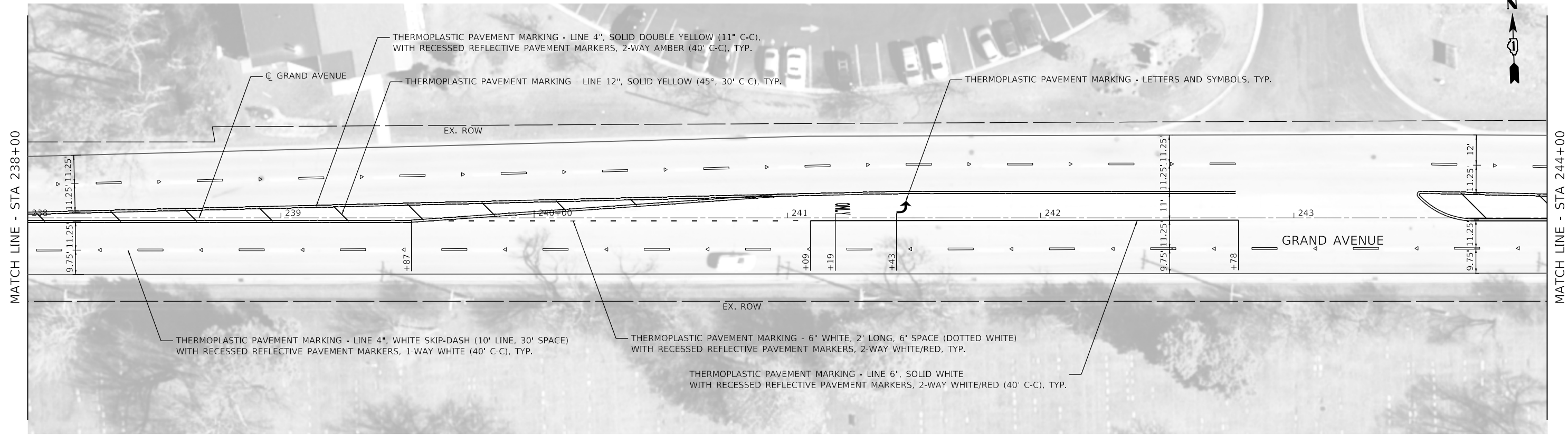
USER NAME = jrobinson	DESIGNED - LTO	REVISED -
DRAWN - LTO	REVISOR -	
PLOT SCALE = 40,0000 * / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GRAND AVENUE PAVEMENT MARKING PLAN</b>		
SCALE: 1" = 20'	SHEET 11 OF 13 SHEETS	STA. 226+00 TO STA. 238+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	80
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	





NOTE: CONTRACTOR SHALL VERIFY PAVEMENT MARKINGS ARE PLACED SUCH THAT LANE WIDTHS MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.



MODEL: Default  
FILE NAME: 17-00272-03-SP-61H02.dgn



USER NAME = jirobinson	DESIGNED - LTO	REVISED -
	DRAWN - LTO	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - JIR	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

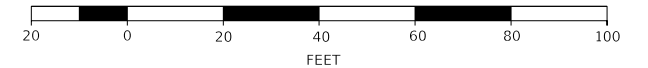
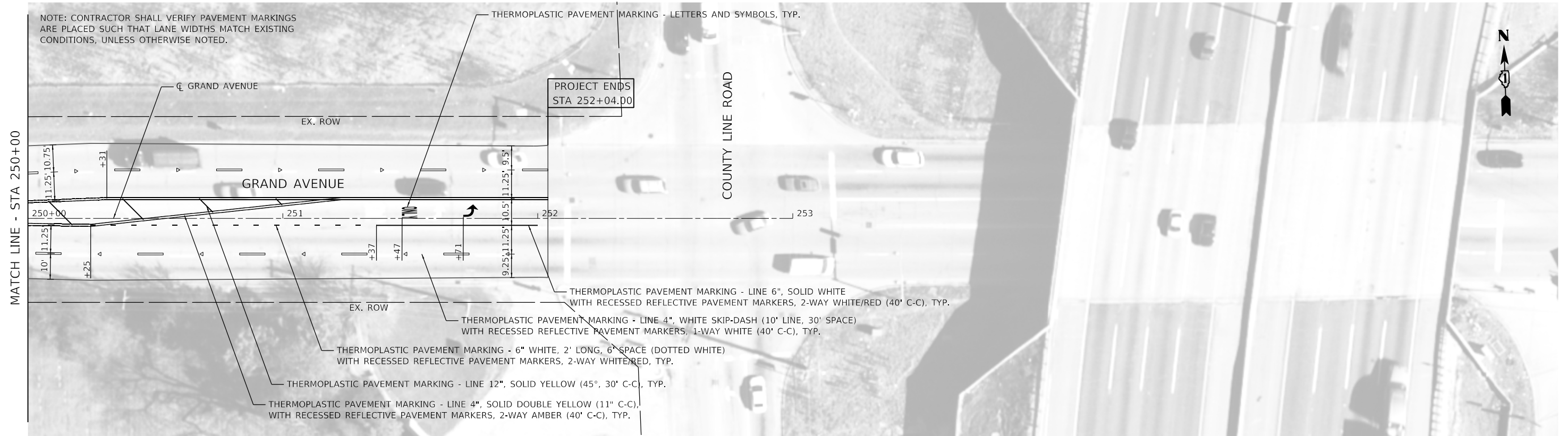
GRAND AVENUE  
PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET 12 OF 13 SHEETS STA. 238+00 TO STA. 250+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	81
CONTRACT NO. 61H02				

ILLINOIS FED. AID PROJECT

NOTE: CONTRACTOR SHALL VERIFY PAVEMENT MARKINGS ARE PLACED SUCH THAT LANE WIDTHS MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.



MODEL: Default  
FILE NAME: 17-00272-03-SP-61102-01-01.dgn



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GRAND AVENUE  
PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET 13 OF 13 SHEETS STA. 250+00 TO STA. 252+04

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	82
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	

**TRAFFIC SIGNAL NOTES**

1. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING AT HANDHOLES, JACKING PITS AND INSPECTION OPENINGS SHALL BE SAW CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING WILL BE PAID FOR SEPARATELY.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES, CALL J.U.L.I.E. TOLL FREE NUMBER 1-800-892-0123.
3. ALL SIGNAL POSTS AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF FOUR (4) FEET AND SIX (6) FEET RESPECTIVELY FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. SIGNAL POSTS SHALL BE PLACED AT A MINIMUM OF TWO (2) FEET BEHIND THE EDGE OF SHOULDER.
4. CONTACT THE DUPAGE COUNTY TRAFFIC SIGNAL COORDINATOR (630-407-6900) TO APPROVE LOCATIONS OF LOOPS, SIGNAL FOUNDATIONS AND SIGNAL HEADS.
5. LEAD WIRE AND DETECTOR LOOPS SHALL BE SAWCUT 4"DEEP INTO THE PAVE- MENT WHERE BITUMINOUS SURFACE COURSE IS NOT A PART OF THE CONTRACT.
6. ALL PRESENCE LOOPS SHALL BE EQUIPPED WITH AN INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT.
7. ALL LUMINAIRE ARMS SHALL BE 15 FEET LONG UNLESS OTHERWISE NOTED.
8. ALL LUMINAIRES SHALL BE MOUNTED AT 40 FOOT HEIGHT UNLESS OTHERWISE NOTED.
9. EXISTING DETECTOR LOOPS REMOVED DURING ROADWAY SURFACING SHALL BE REINSTALLED ACCORDING TO IDOT DISTRICT 1 STANDARD TS-07. INTERSECTIONS WITH NEW VIDEO DETECTION INSTALLED DO NOT REQUIRE RE-INSTALLATION OF DETECTOR LOOPS.
10. MATERIAL SUBMITTALS SHALL BE REVIEWED BY DUPAGE COUNTY PRIOR TO SUBMITTING TO LOCAL ROADS.
11. REMOVE ELECTRIC CABLE FROM CONDUIT IS PAID WHEN CABLE IS REMOVED FROM A CONDUIT THAT IS TO REMAIN IN USE. REMOVE ELECTRIC CABLE FROM CONDUIT WILL NOT BE PAID FOR WHEN IT IS REMOVED FROM ABANDONED OR REMOVED CONDUIT UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
12. ALL EXISTING SIGNS ARE TO REMAIN IN PLACE OR TO BE RELOCATED TO THE TEMPORARY TRAFFIC SIGNAL EQUIPMENT UNLESS OTHERWISE NOTED.
13. PROPOSED MAST ARM LENGTHS ARE LONGER TO ACCOMODATE FUTURE FLASHING YELLOW ARROW OPERATIONS BY DUDOT. CHANGES TO THE LENGTHS REQUIRE COORDINATION WITH THE TRAFFIC ENGINEER.

**TEMPORARY TRAFFIC SIGNAL NOTES**

1. ALL EXISTING EMERGENCY VEHICLE PREEMPTION EQUIPMENT (LIGHT DETECTORS, LIGHT DETECTOR AMPLIFIERS, ETC.) SHALL BE SALVAGED BY THE CONTRACTOR FOR RELOCATION TO THE PERMANENT TRAFFIC SIGNALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT, AS REQUIRED, ON THE TEMPORARY SIGNALS.
2. ALL WOOD POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF SIX (6) FEET FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE WOOD POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER.
3. ALL CABLE SHALL HAVE STRANDED CONDUCTORS WHERE ANY PORTION OF THE CABLE IS INSTALLED AERIAL SUSPENDED. ALL WIRING TERMINATIONS OF STRANDED CONDUCTORS SHALL BE MADE WITH SOLDERLESS TOOL COMPRESSED TERMINALS.
4. THE PROPOSED TRAFFIC SIGNAL SYSTEM SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION". THE ITEMS AND QUANTITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. CABLE AND CONDUIT LENGTHS SHALL BE ADJUSTED UP OR DOWN TO SATISFY THE REQUIREMENT OF THE INSTALLATION WITHOUT COMPARABLE CHANGE IN PRICE FOR THE PAY ITEM.
5. THE RELOCATION AND RAISING OF COMMONWEALTH EDISON COMPANY (COM ED) FACILITIES SHALL BE PERFORMED BY COM ED.
6. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ANY DELAYS OR SIGNAL HEAD RELOCATIONS RESULTING FROM UTILITY RELOCATIONS, CHANGES IN STAGING, OR REMOVAL OF EXISTING TEMPORARY SIGNALS.

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

**TRAFFIC SIGNAL GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	83
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

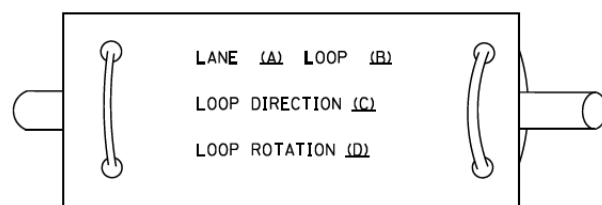
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

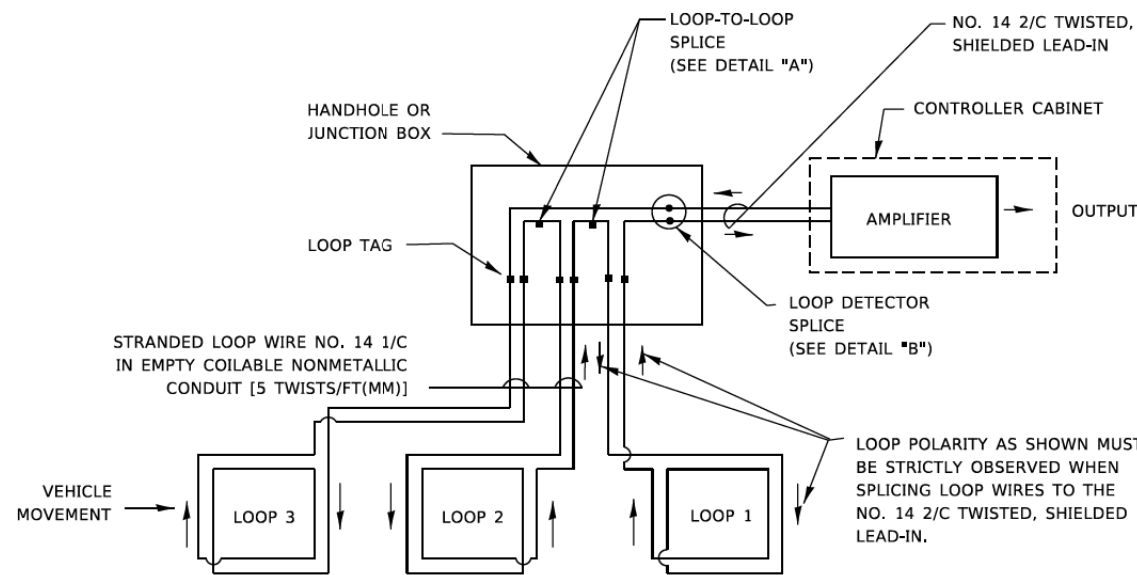
**LOOP DETECTOR NOTES**

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 DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

**LOOP LEAD-IN CABLE TAG**

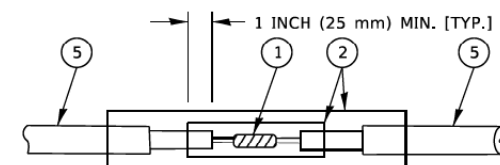


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

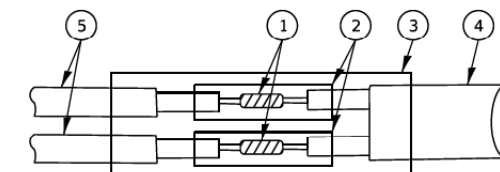


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

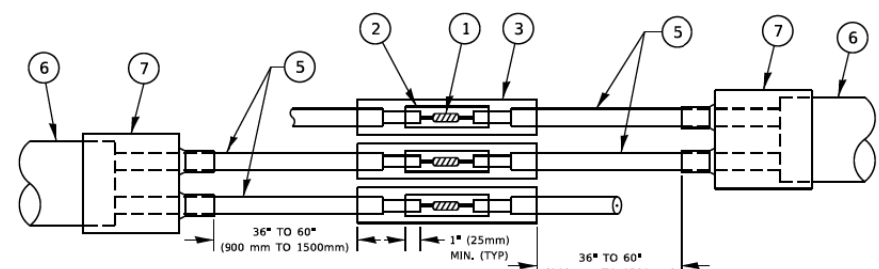


DETAIL "A"  
LOOP-TO-LOOP SPLICE

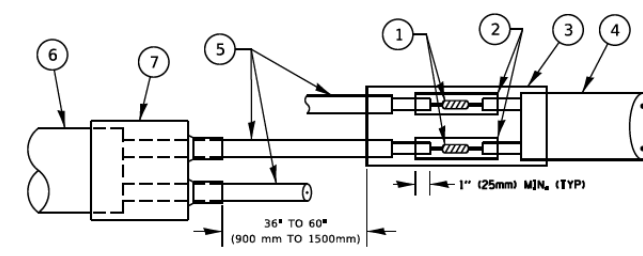


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**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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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

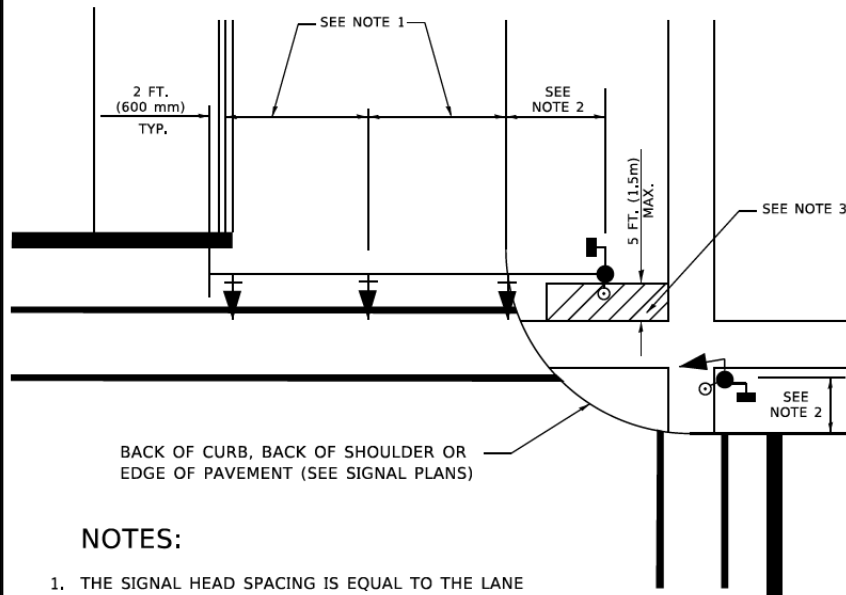
DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	85
			CONTRACT NO. 61H02	
		ILLINOIS	FED. AID PROJECT	

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

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

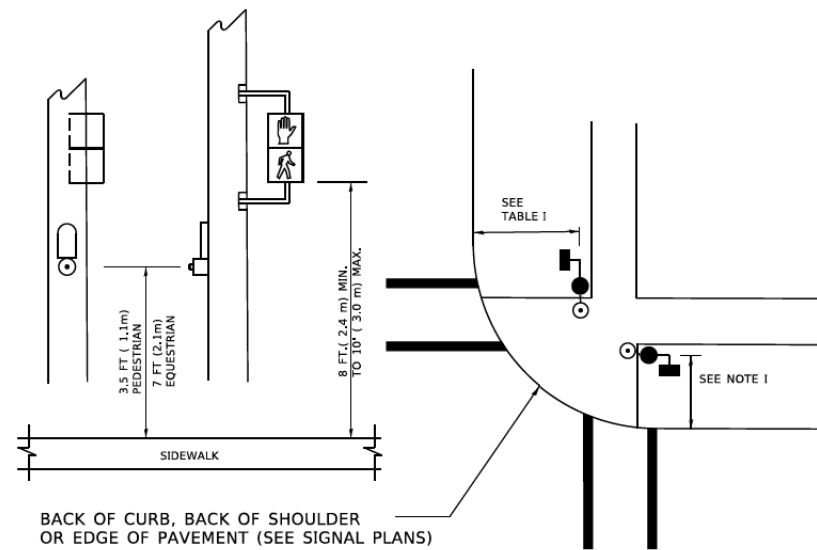


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

**NOTES:**

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

**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**

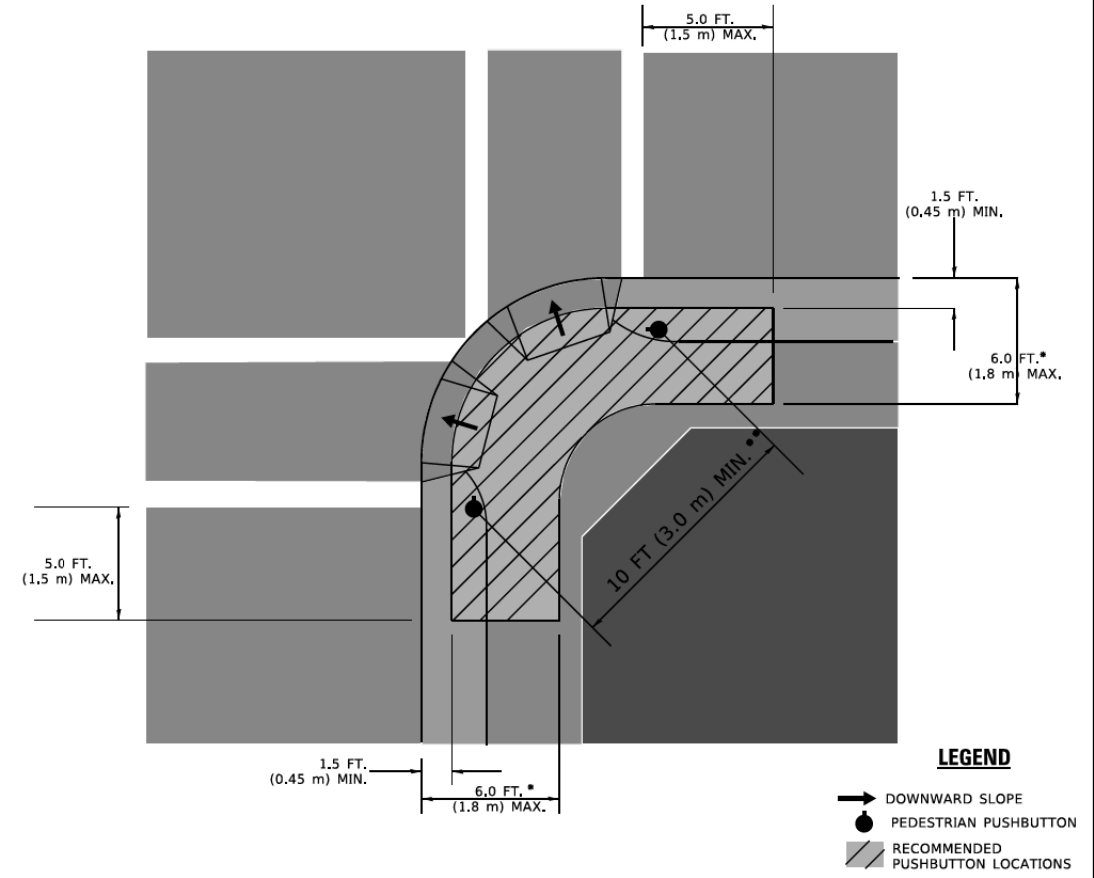


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



- \* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- \*\* WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

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

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

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

**NOTES:**

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

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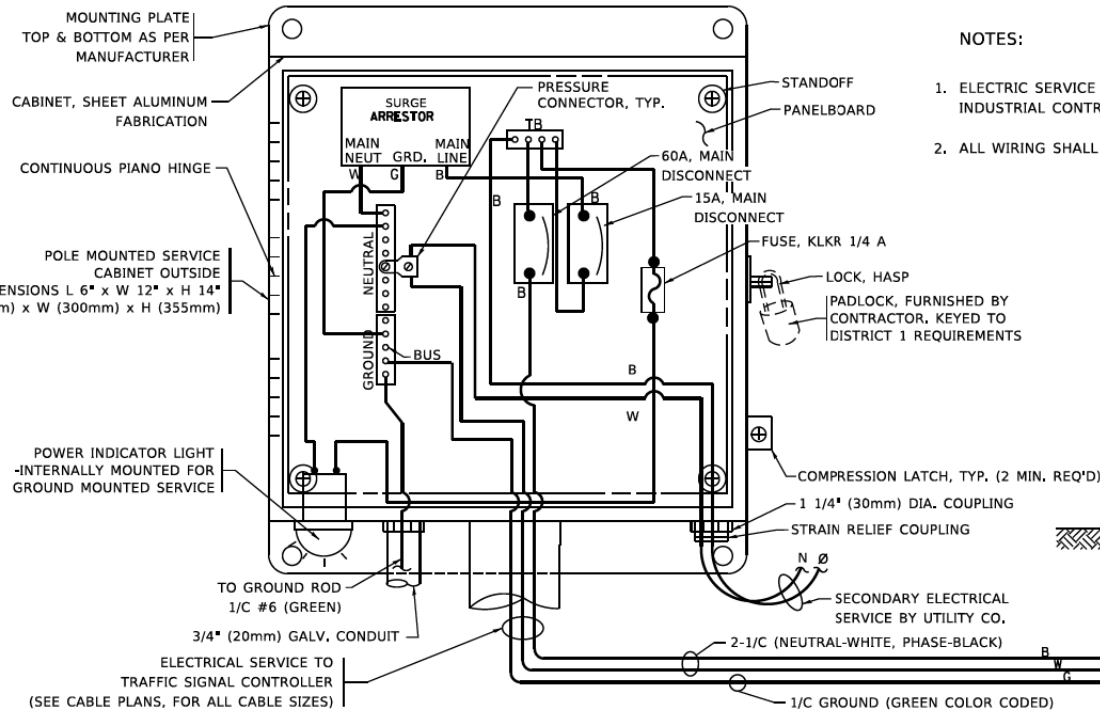
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PLOT DATE = 2/9/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

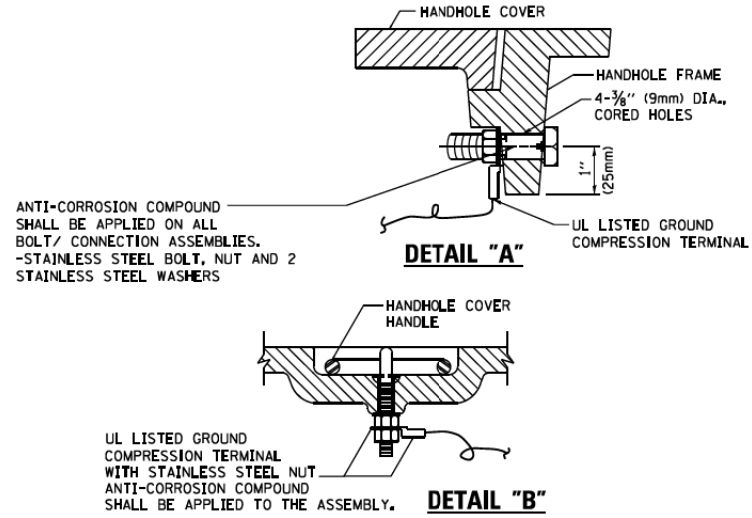
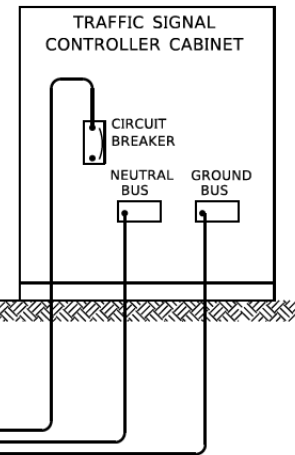
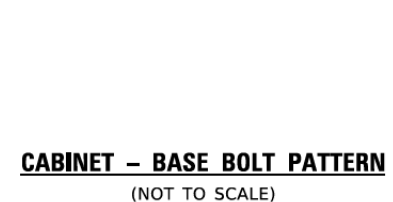
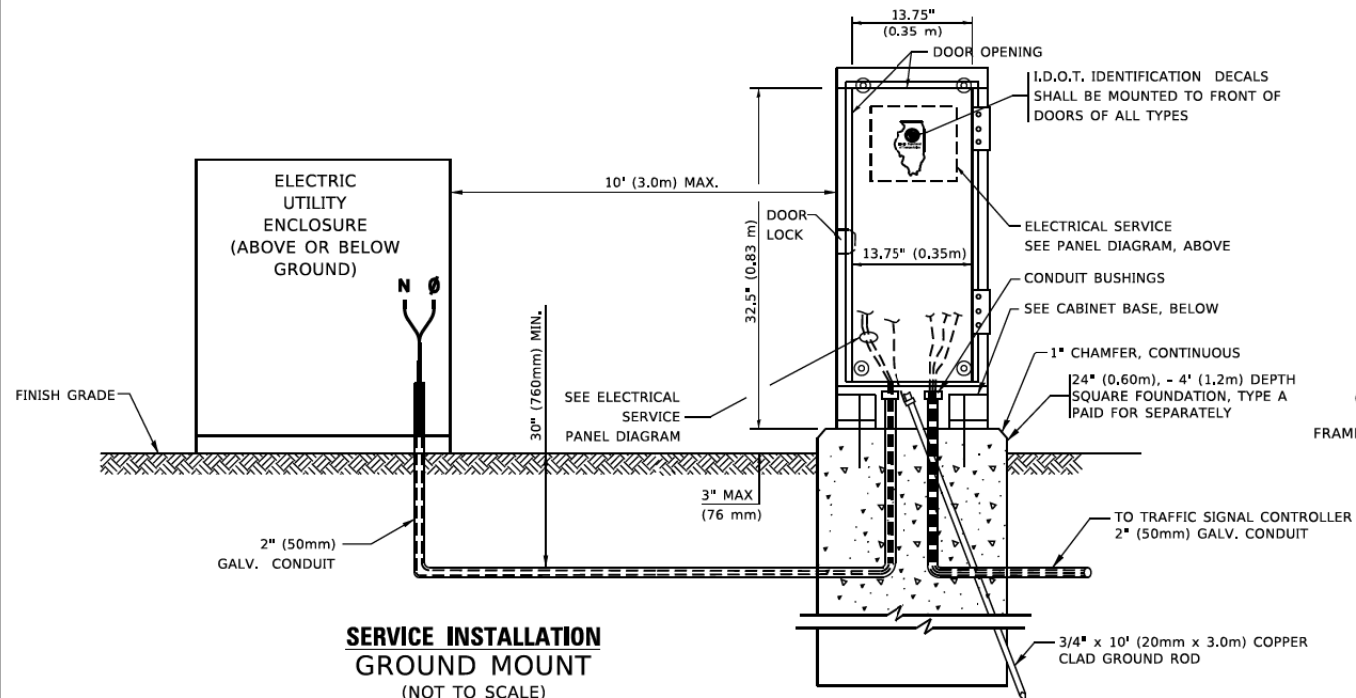
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	86
CONTRACT NO. 61H02			ILLINOIS FED. AID PROJECT	

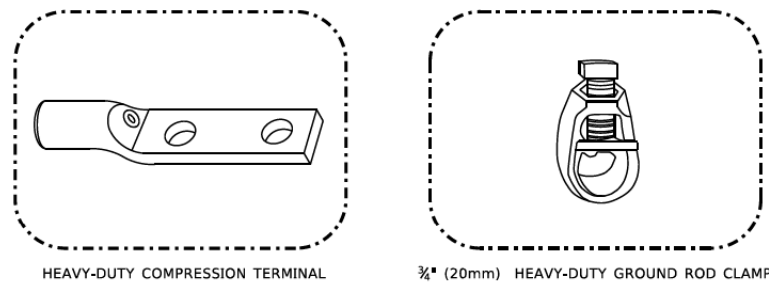


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



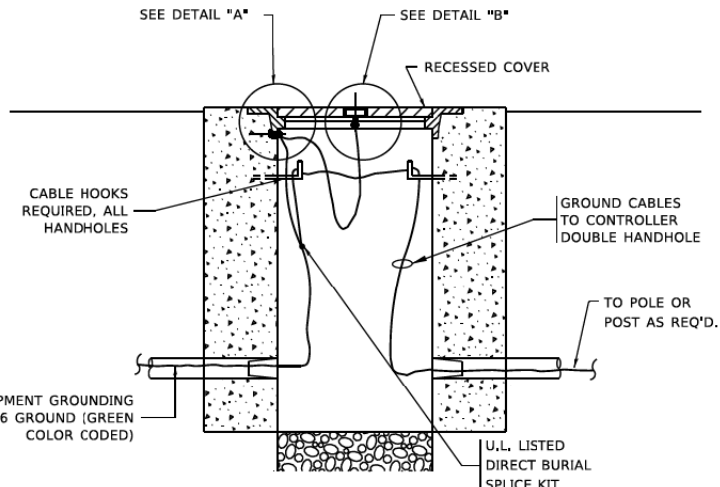
**NOTES:**  
**GROUNDING SYSTEM**

- 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.
- 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.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



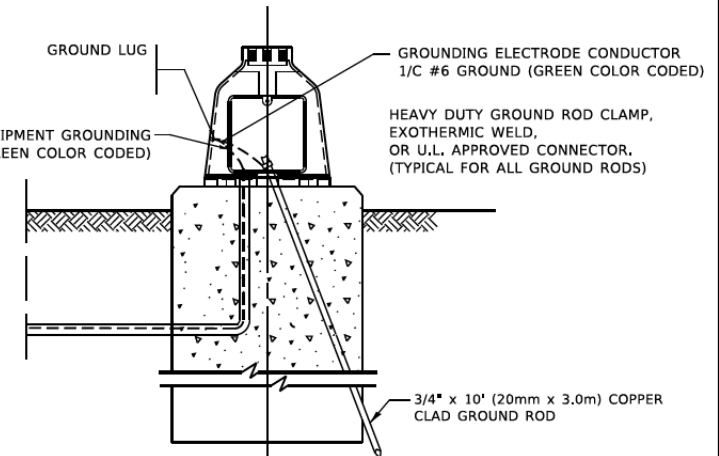
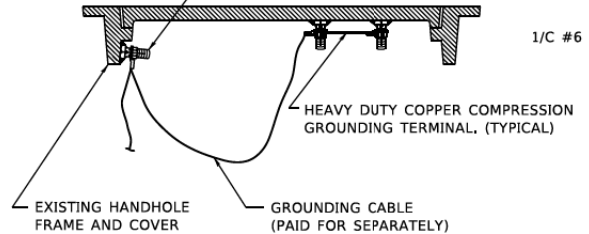
**NOTES:**

- 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.



(2) 1/2" x 1 1/4" STAINLESS STEEL BOLT WITH SPLIT LOCK WASHER AND NYLON INSERT LOCKOUT WELDED TO FRAME AND TO COVER. (TYPICAL). ANTI-CORROSION COMPOUND SHALL BE APPLIED TO EACH ASSEMBLY.

**EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL**  
 (NOT TO SCALE)



MODEL: Default  
 FILE NAME: 17-00272-03-SP.dwg



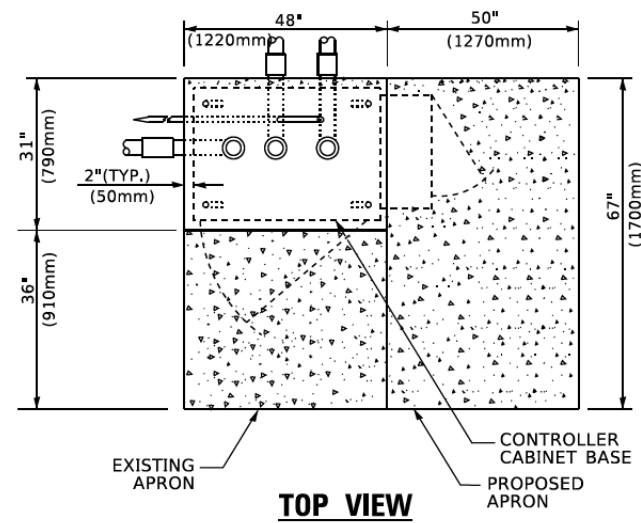
USER NAME = jrobinson	DESIGNED - N/A	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - N/A	REVISED -
PLOT DATE = 2/9/2021	CHECKED - N/A	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

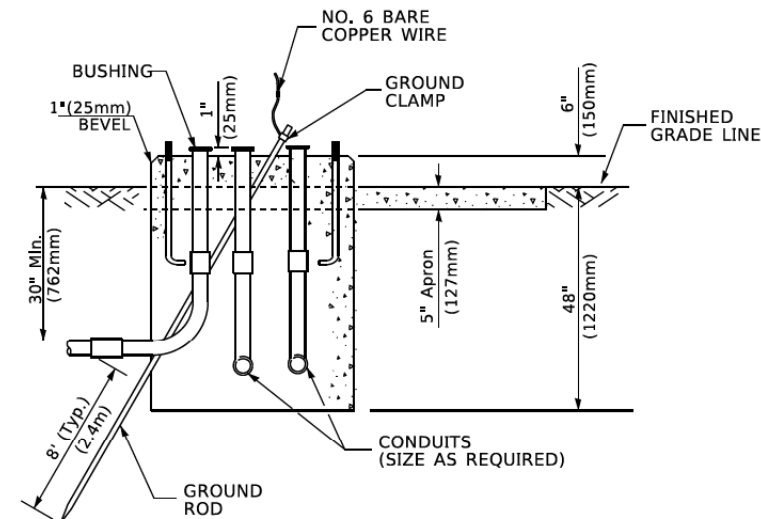
**DISTRICT ONE  
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

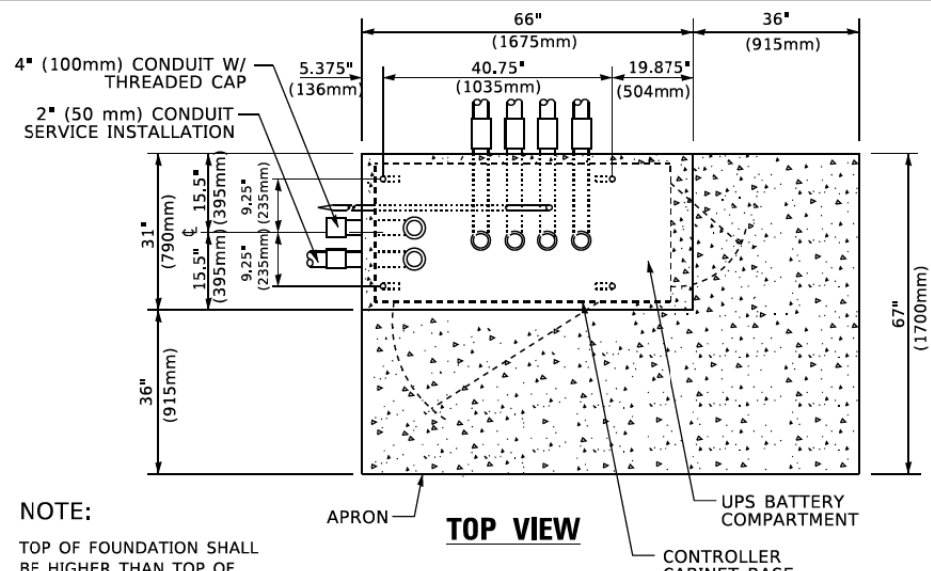
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	87
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



**TOP VIEW**

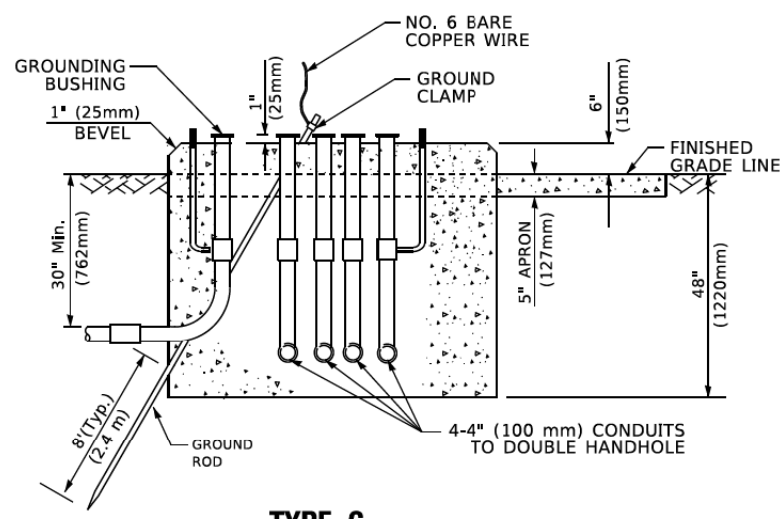


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

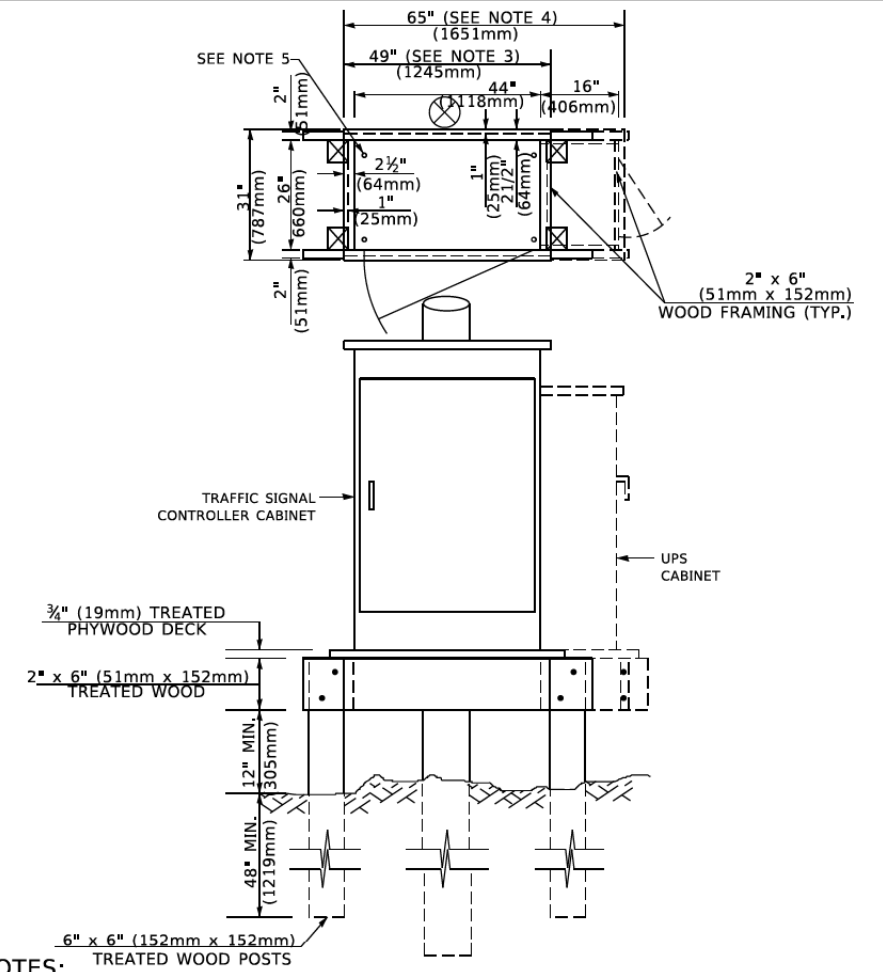


**TOP VIEW**

**NOTE:**  
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



**NOTES:**

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

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

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

**CABLE SLACK**

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

**VERTICAL CABLE LENGTH**

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

**DEPTH OF FOUNDATION**

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

**NOTES:**

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

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

MODEL: Default  
FILE NAME: 17-0027-03-SP-05E.dwg



USER NAME = jrobinson	DESIGNED - N/A	REVISED -
PLOT SCALE = 2,0000' / in.	DRAWN - N/A	REVISED -
PLOT DATE = 2/9/2021	CHECKED - N/A	REVISED -
	DATE -	REVISED -

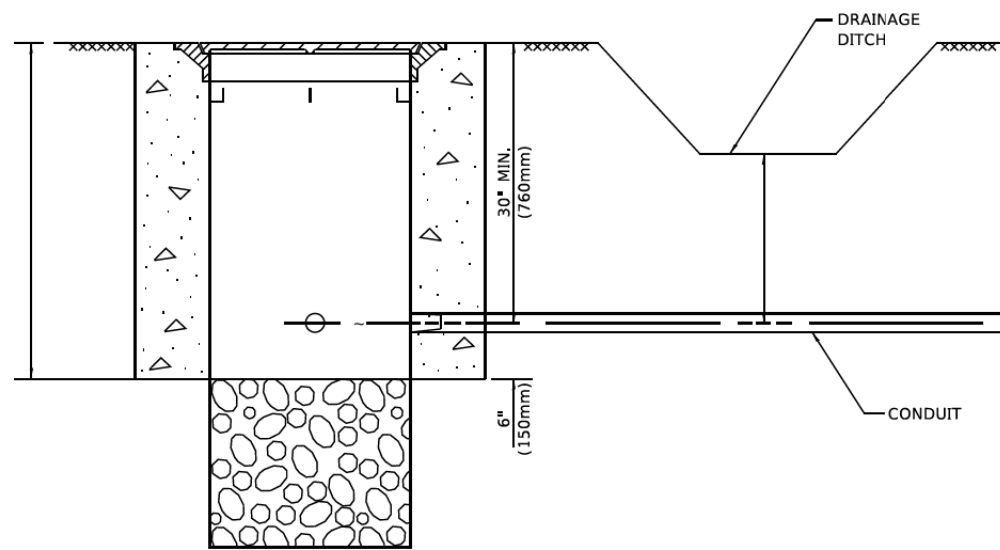
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-0027-03-SP	DUPAGE	174	88
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

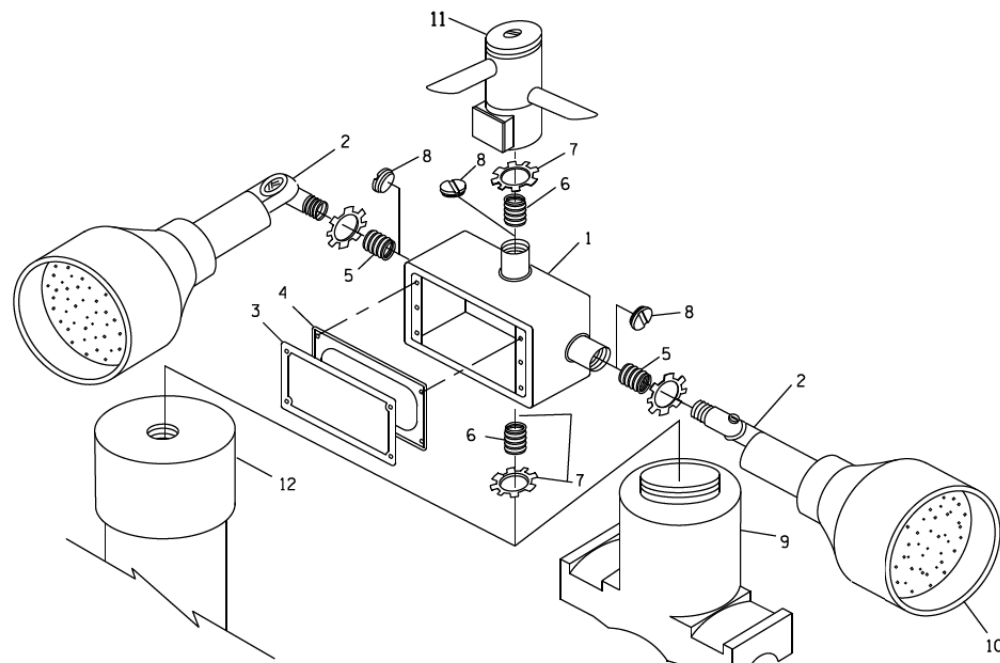




**NOTES:**

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)



**POST CAP MOUNT**

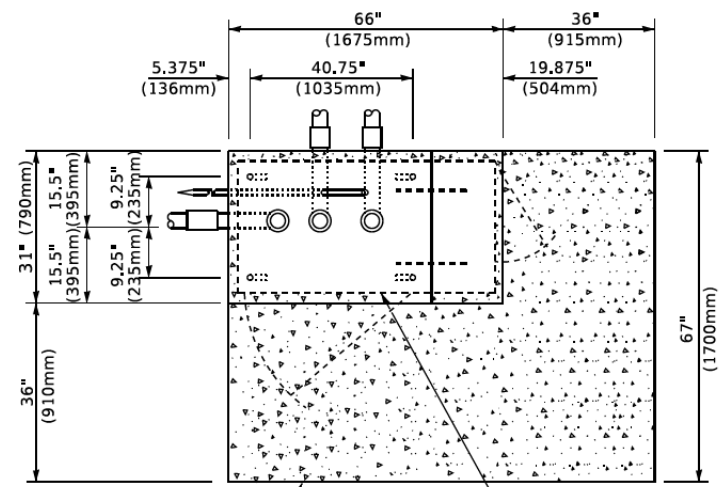
**MAST ARM MOUNT**

**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**

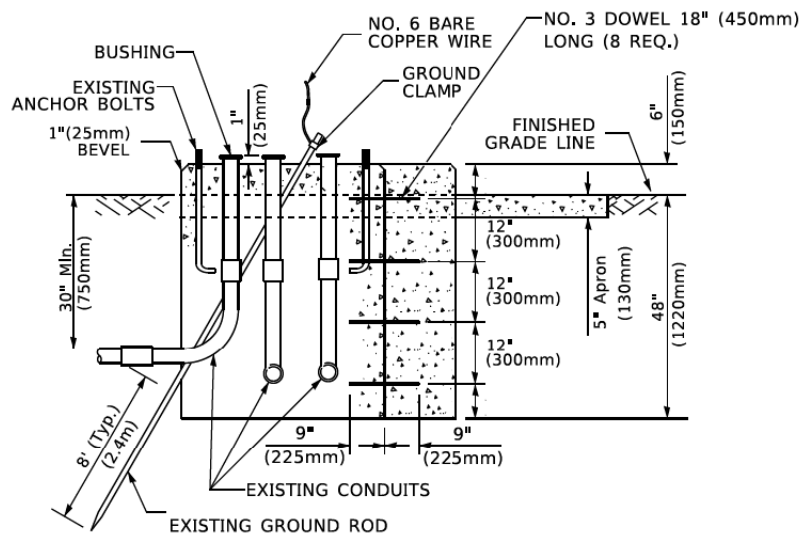
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU. IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

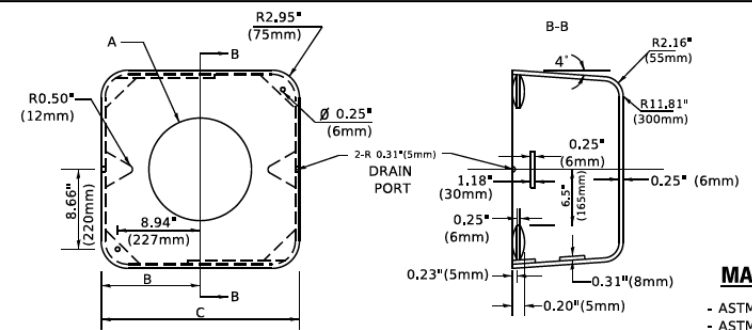
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



**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)

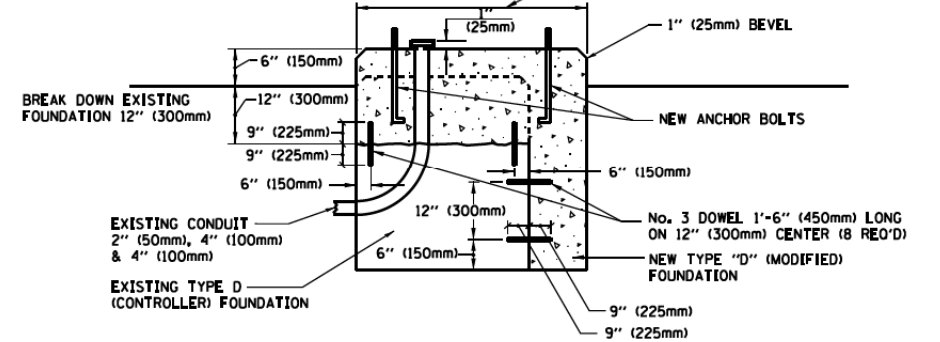
**SHROUD**

**NOTES:**

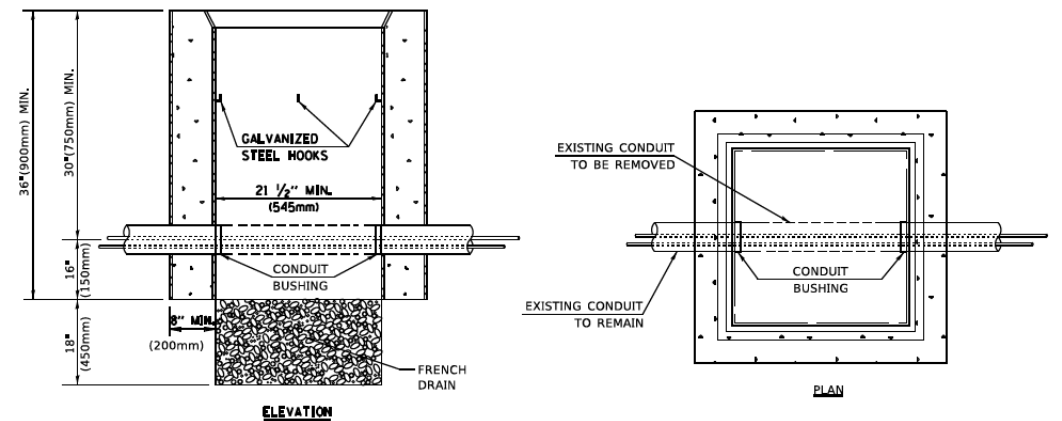
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**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**



**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  
FILE NAME: 170712-rh-hs-35-305E.dwg



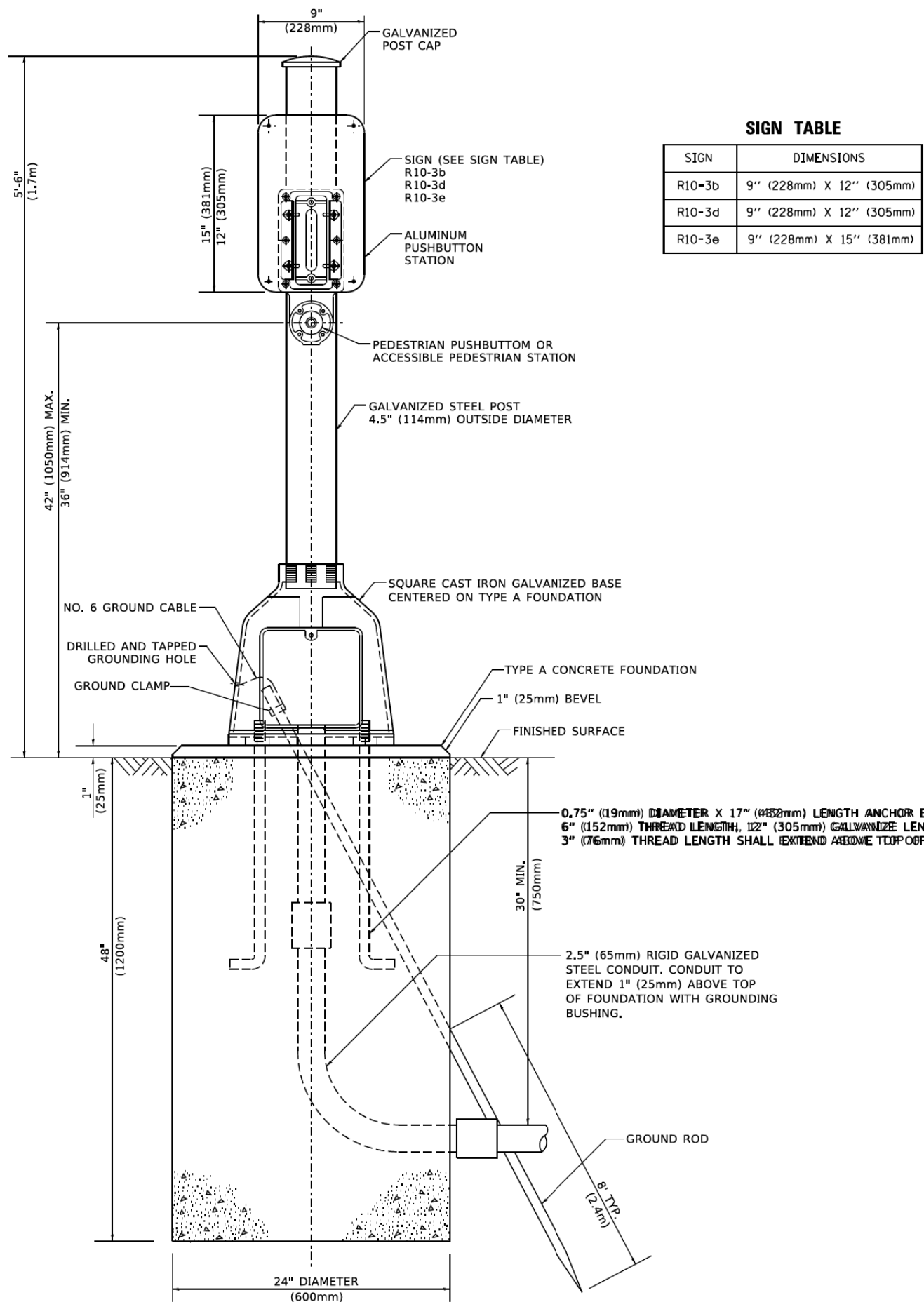
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PLOT SCALE = 2,000' / in.	DRAWN - N/A	REVISED -
PLOT DATE = 2/9/2021	CHECKED - N/A	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

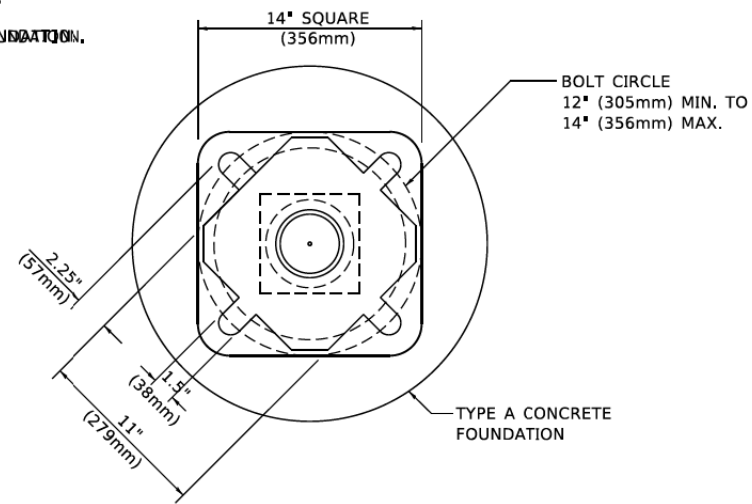
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	89
CONTRACT NO. 61H02				
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**

MODEL: Default  
 FILE NAME: 17-00272-03-SP-05.dwg



USER NAME = jrobinson	DESIGNED - N/A	REVISED -
	DRAWN - N/A	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - N/A	REVISED -
PLOT DATE = 2/9/2021	DATE -	REVISED -

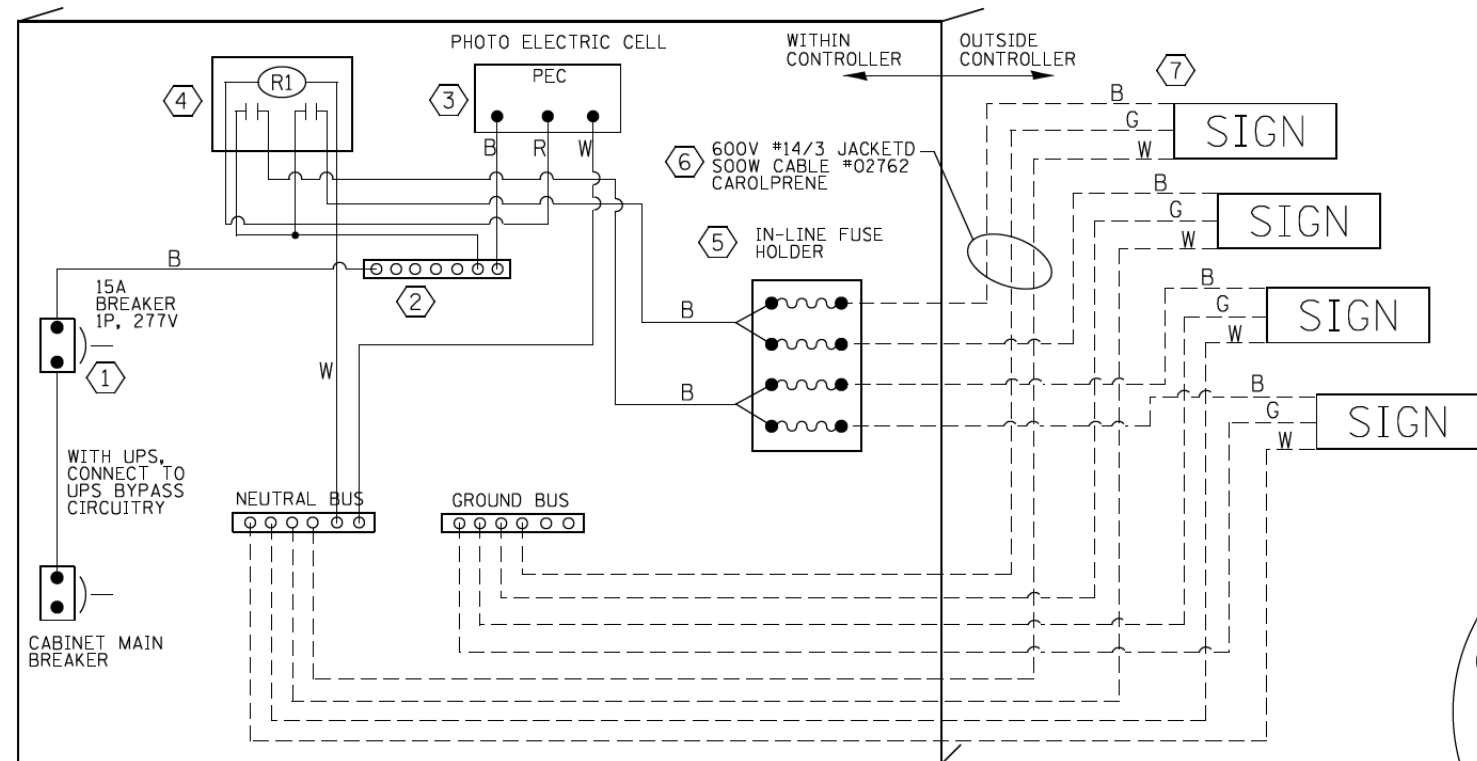
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

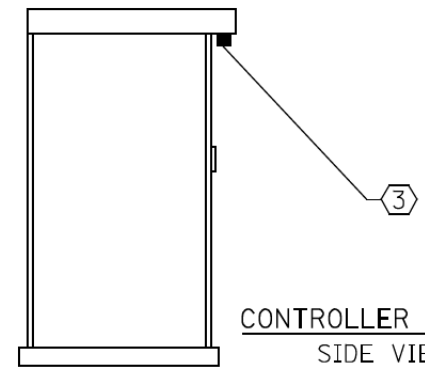
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	90
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				



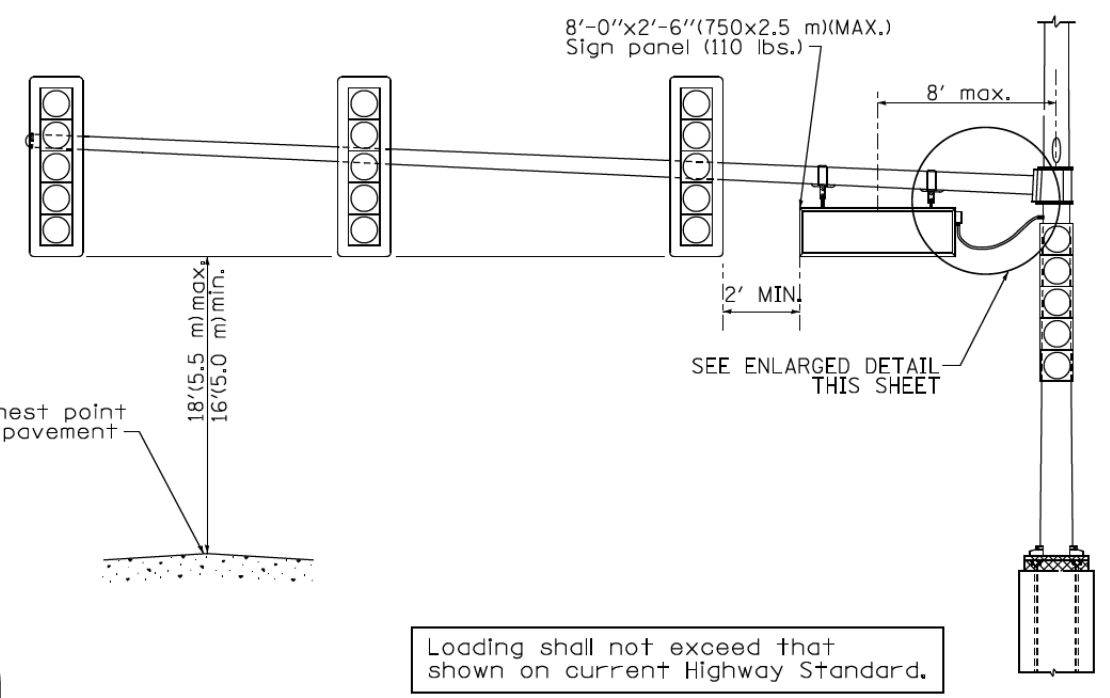


LED SIGN WIRING DETAIL

DESCRIPTION	
①	CIRCUIT BREAKER
②	TERMINAL BLOCK
③	PHOTO ELECTRIC CONTROL
④	CONTROL RELAY
⑤	INLINE FUSE HOLDER WITH 5 AMP FUSE
⑥	ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)
⑦	SIGN MOUNTING HARDWARE

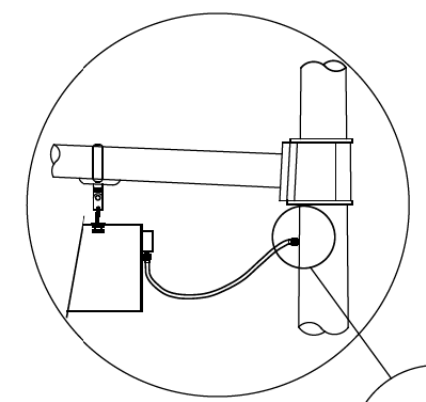


CONTROLLER CABINET SIDE VIEW

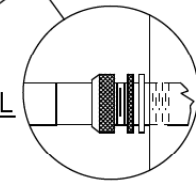


Loading shall not exceed that shown on current Highway Standard.

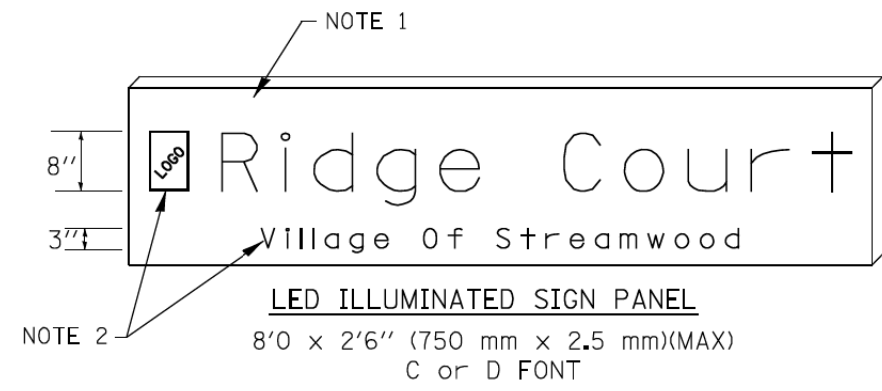
STEEL MAST ARM ASSEMBLY AND POLE PENDANT MOUNT



L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL FOR PENDANT MOUNT



L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL



LED ILLUMINATED SIGN PANEL

8'0 x 2'6" (750 mm x 2.5 mm)(MAX)  
C or D FONT

NOTES:

- SIGNS SHALL BE SINGLE SIDED FOR DIRECT MOUNT AND DOUBLE SIDED FOR PENDANT MOUNT.
- CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
- SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:  
R = RED      BL = BLUE      W = WHITE  
B = BLACK      Y = YELLOW      G = GREEN
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

MODEL: Default  
FILE NAME: 17-00272-03-SP-LED-SIGS.dgn



USER NAME = jrobinson	DESIGNED - N/A	REVISED -
PLOT SCALE = 2,0000' / in.	DRAWN - N/A	REVISED -
PLOT DATE = 2/9/2021	CHECKED - N/A	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LED INTERNALLY ILLUMINATED  
STREET NAME SIGN DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	92
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H02	

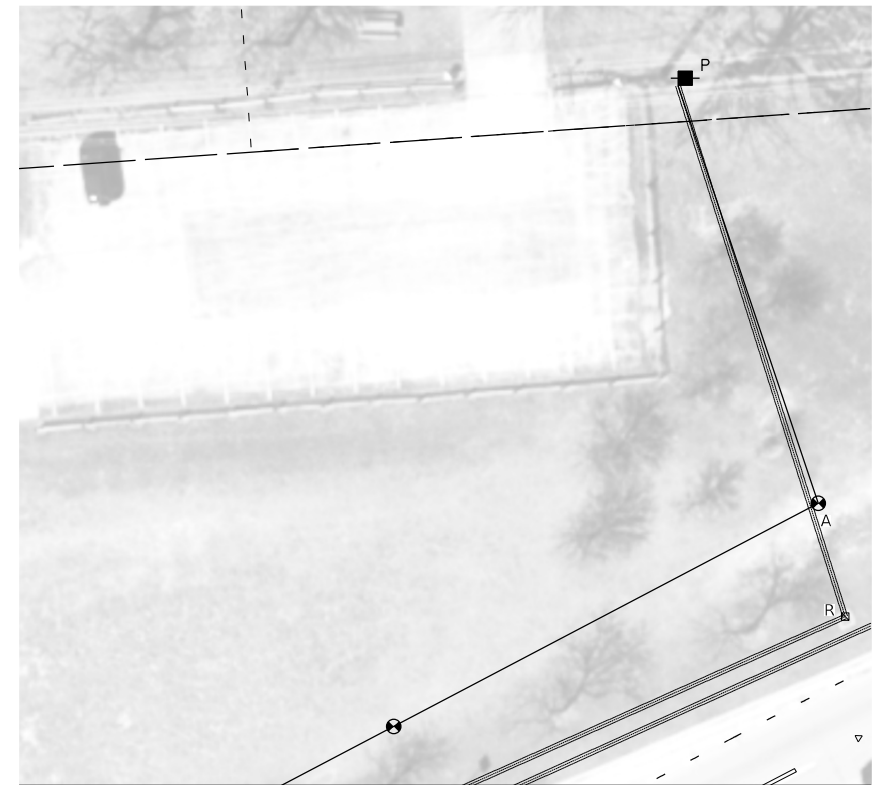
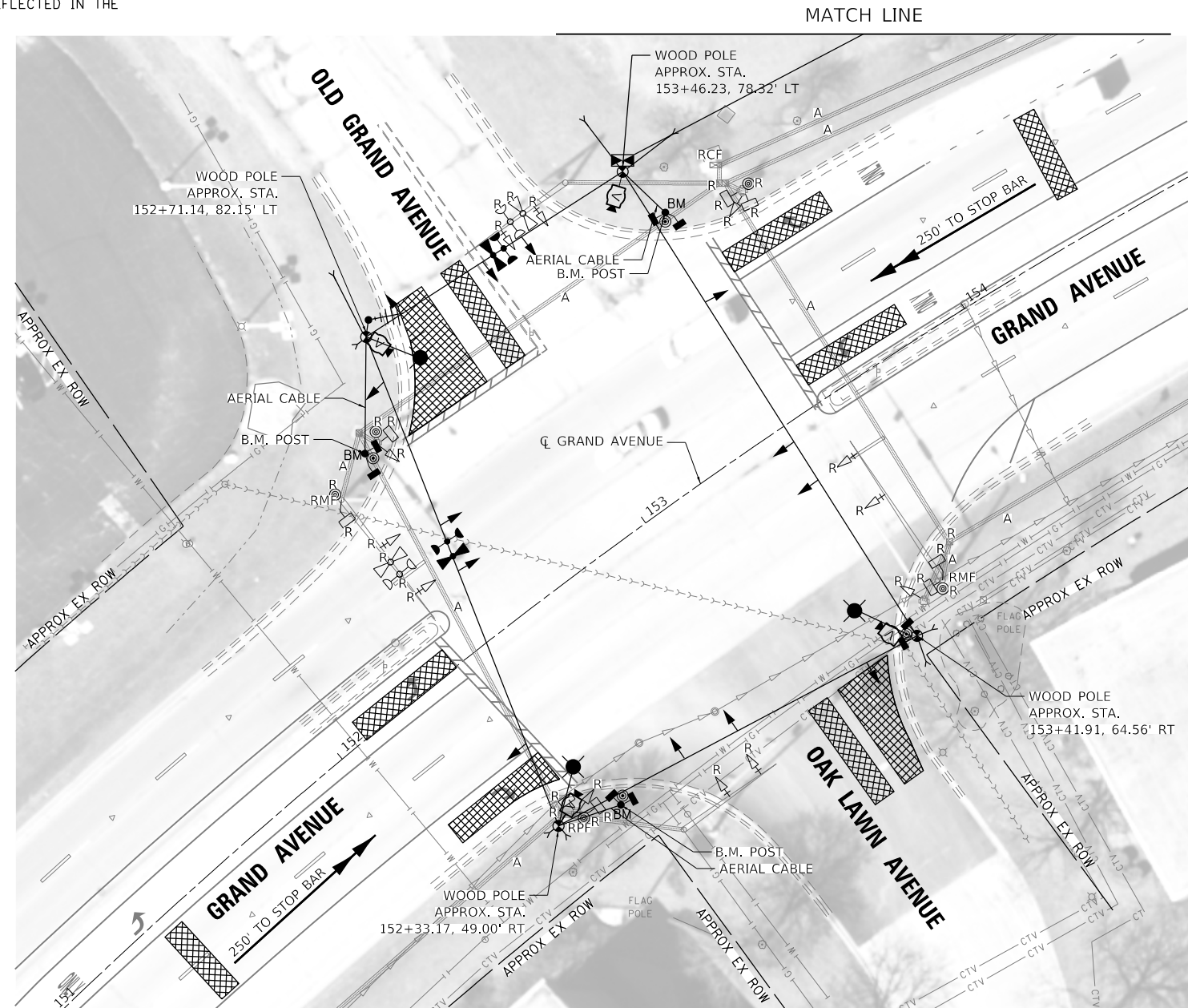
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY

- 2 EACH EVP DETECTORS
- 1 EACH EVP AMPLIFIERS

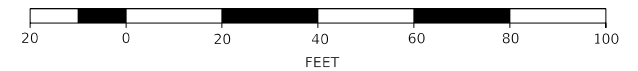
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 2 EACH STEEL MAST ARM ASSEMBLY AND POST
- 1 EACH TRAFFIC SIGNAL POST
- 8 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 5 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 3 EACH HANDHOLE
- 1 EACH DOUBLE HANDHOLE
- 6 EACH MAST ARM MOUNTED SIGN
- 1 EACH CONTROLLER



MATCH LINE

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



MODEL: Default  
FILE NAME: 17-00272-03-SP-61H02-OakLawn-temp01.dgn



USER NAME = jrobinson	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 2/9/2021	CHECKED -	REVISED -
	DATE -	REVISED -

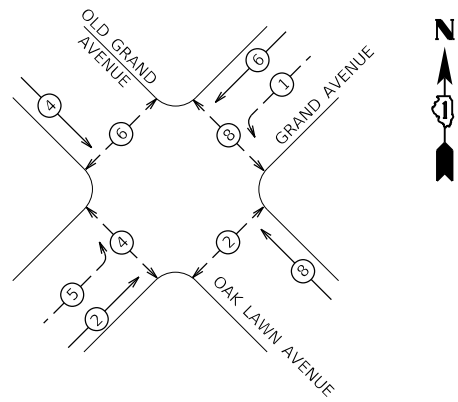
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL AND REMOVAL PLAN  
GRAND AVENUE AT OAK LAWN AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	93
			CONTRACT NO. 61H02	
		ILLINOIS	FED. AID PROJECT	

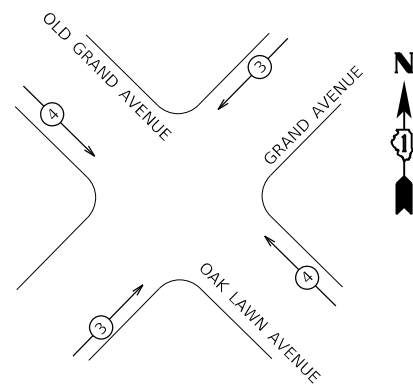
TEMPORARY CONTROLLER SEQUENCE



LEGEND

- ⊕ DUAL ENTRY PHASE
- ⊖ PROTECTED/PERMITTED PHASE
- ⊙ PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE

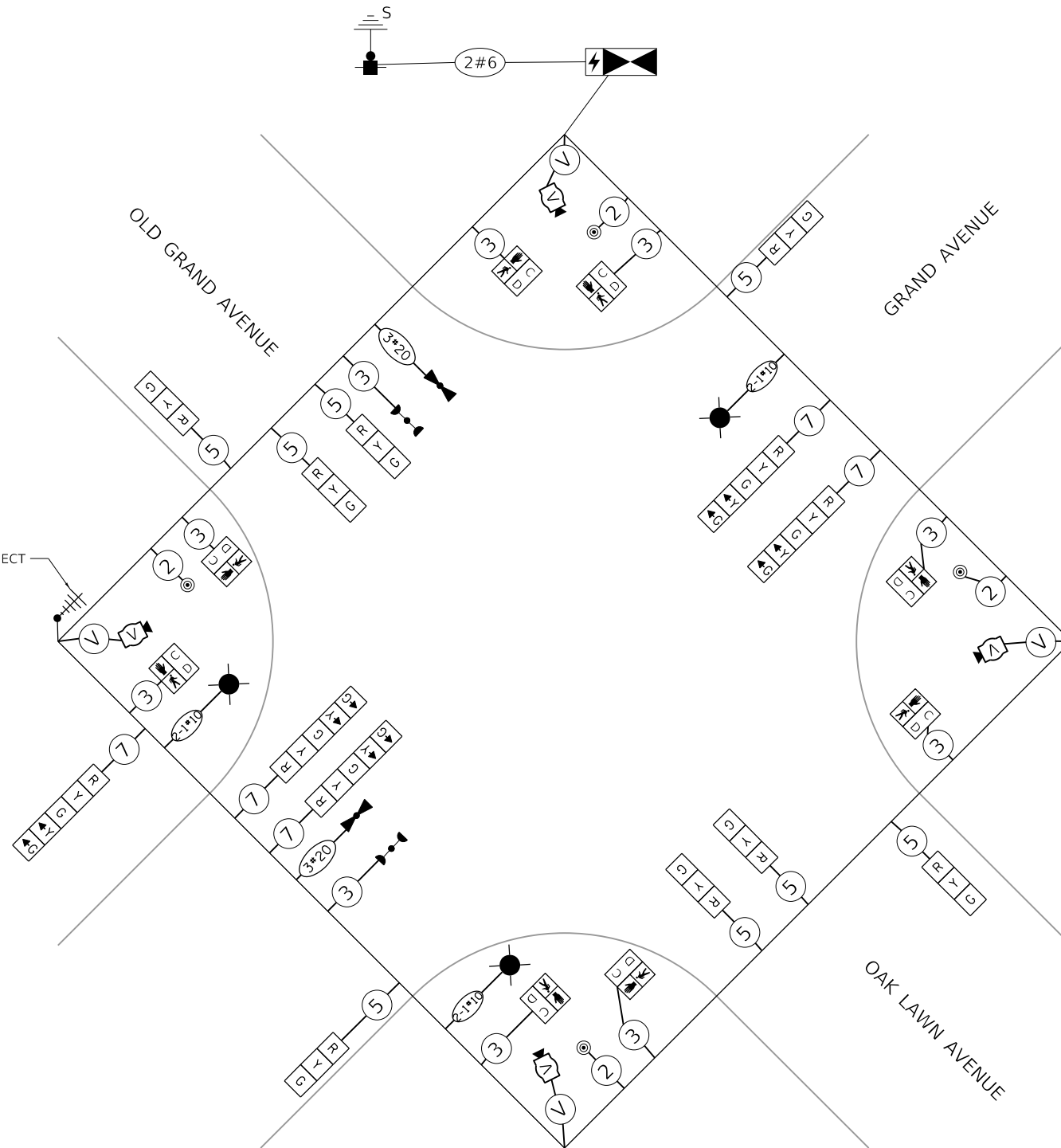
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

IDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (LED)	% OPERATION	
SIGNAL (RED)	13	11	50	71.5
SIGNAL (YELLOW)	13	20	5	13
SIGNAL (GREEN)	13	12	45	70.2
ARROW	10	10	10	10
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	165	50	165
TOTAL				764.7

TEMPORARY WIRELESS INTERCONNECT TO CHURCH ROAD



TEMPORARY CABLE PLAN

(NOT TO SCALE)

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

MODEL: Default  
FILE NAME: 17-00272-03-SP-61H02-04-01-01.dgn



USER NAME = jrobinson	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 2/9/2021	CHECKED -	REVISED -
	DATE -	REVISED -

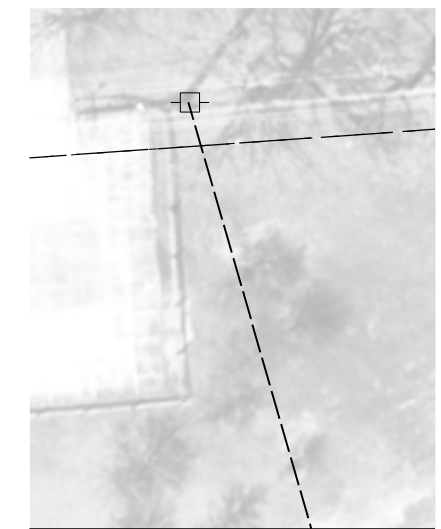
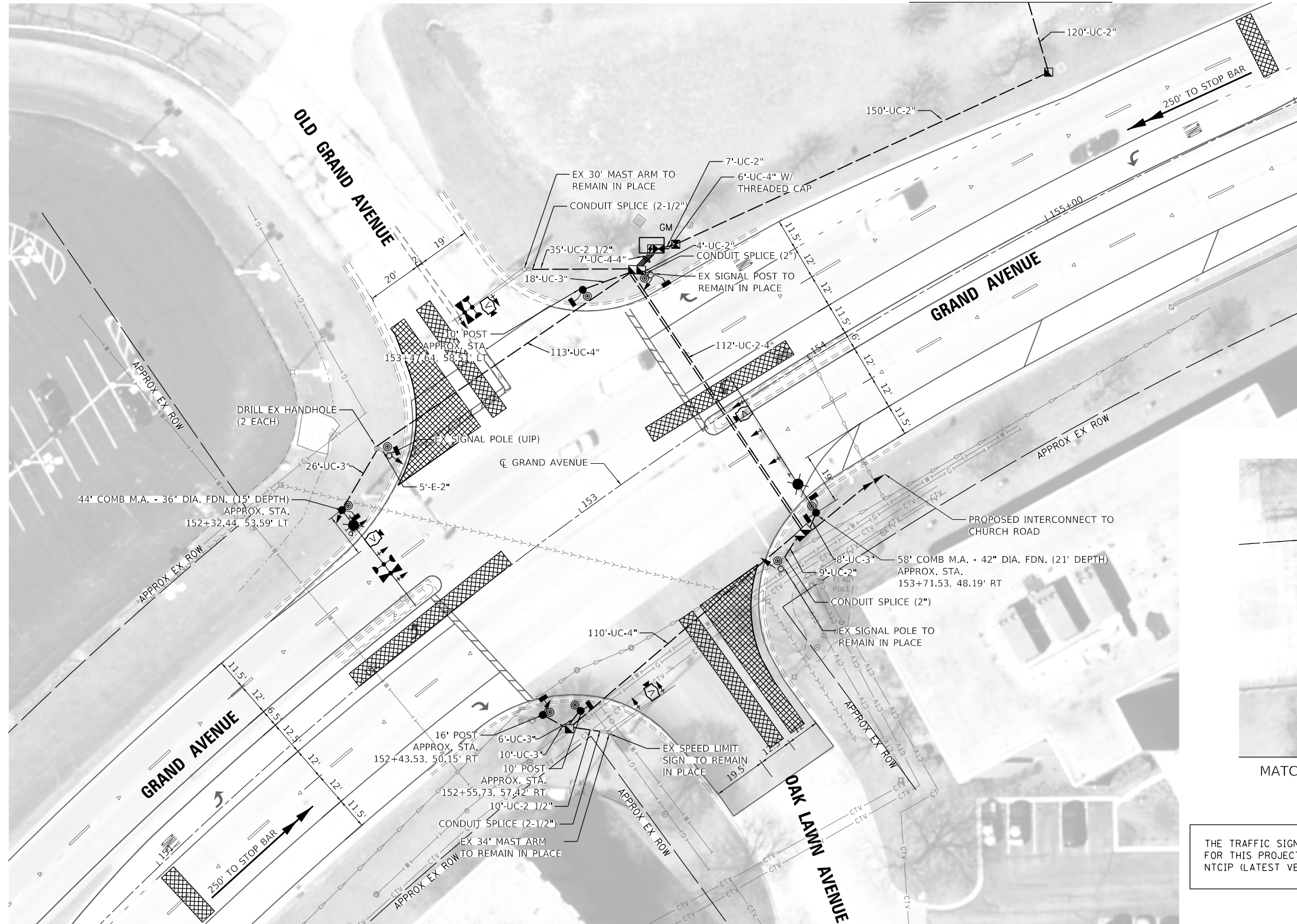
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
& EVP SEQUENCE  
GRAND AVENUE AT OAK LAWN AVENUE

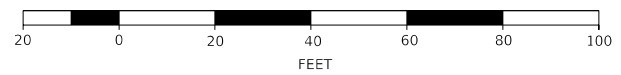
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	94
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

SEE SIGN DETAIL SHEET FOR ALL STREET NAME SIGNS



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE AND NTCIP (LATEST VERSION)



**NOTES**

1. DETECTION ZONES SHOWN ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED AND LAID OUT BY THE CONTRACTOR WITH THE ASSISTANCE OF THE EQUIPMANT SUPPLIER.
2. ELECTRICAL SERVICE SHALL BE METERED.

MODEL: Default  
FILE NAME: 17-00272-03-SP-TRAFFIC-OakLawn01.dgn



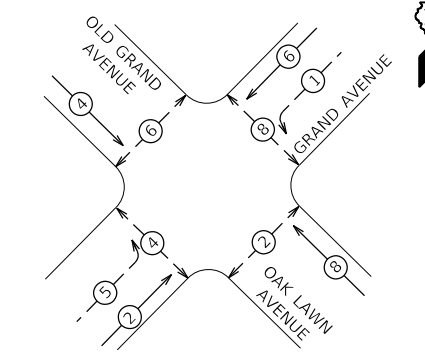
USER NAME = jrobinson	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 2/9/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

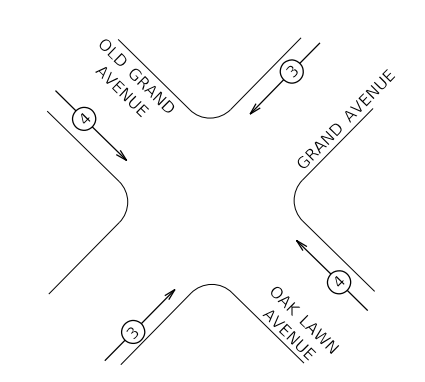
**TRAFFIC SIGNAL PLAN  
GRAND AVENUE AT OAK LAWN AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	95
			CONTRACT NO. 61H02	
		ILLINOIS	FED. AID PROJECT	



PHASE DESIGNATION DIAGRAM



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

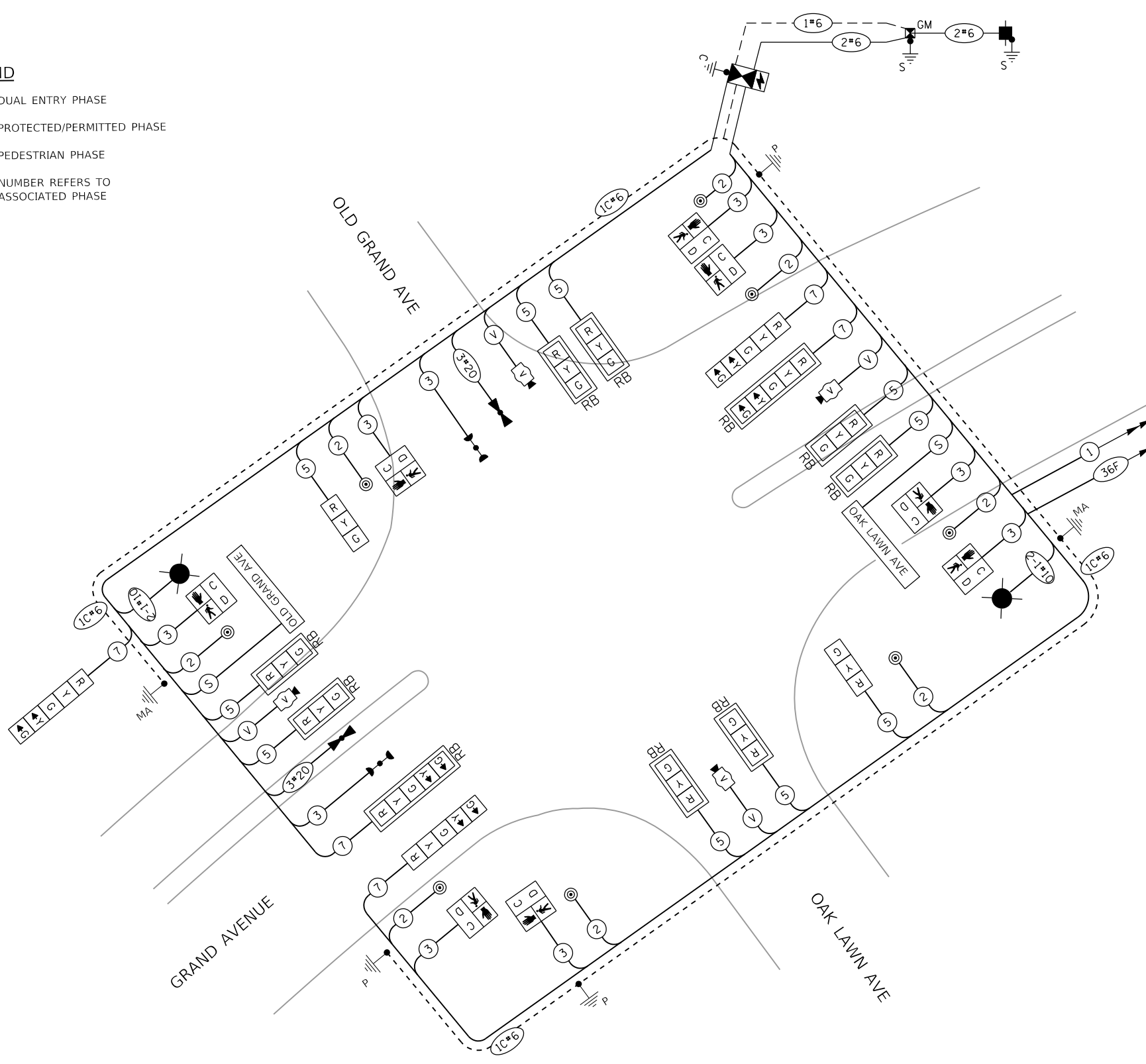
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

IDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (LED)	% OPERATION	
SIGNAL (RED)	14	11	50	77
SIGNAL (YELLOW)	18	20	5	18
SIGNAL (GREEN)	18	12	45	97.2
ARROW	8	10	10	8
PED. SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	165	50	165
TOTAL				800.2

ENERGY COSTS TO:  
**COUNTY OF DUPAGE**  
 421 N COUNTY FARM ROAD  
 WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: NEW BUSINESS  
 PHONE: 866-639-3532  
 COMPANY: COMED

- LEGEND**
- DUAL ENTRY PHASE
  - PROTECTED/PERMITTED PHASE
  - PEDESTRIAN PHASE
  - \* NUMBER REFERS TO ASSOCIATED PHASE



CABLE PLAN  
(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE AND NTCIP (LATEST VERSION)

PROPOSED TRACER CABLE  
 FIBER OPTIC CABLE,  
 NO. 62.5/125  
 SM24F MM12F

- NOTES:
1. MAST ARM MOUNTED SIGNAL HEADS SHALL BE FITTED WITH RETROREFLECTIVE BACKPLATES ("RB").
  2. THE ELECTRICAL SERVICE SHALL BE METERED.
  3. CABLE TYPE "S" INDICATES PAY ITEM "CABLE, SPECIAL" TO BE USED FOR LED STREET NAME SIGNS.
  4. PEDESTRIAN PUSH BUTTONS AT OAK LAWN TRAFFIC SIGNAL ARE PAY ITEM "PEDESTRIAN PUSH-BUTTON" AND NOT PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNALS".

MODEL: Default  
FILE NAME: 17-00272-03-SP-01-01.dgn



USER NAME = jrobinson	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 2/9/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

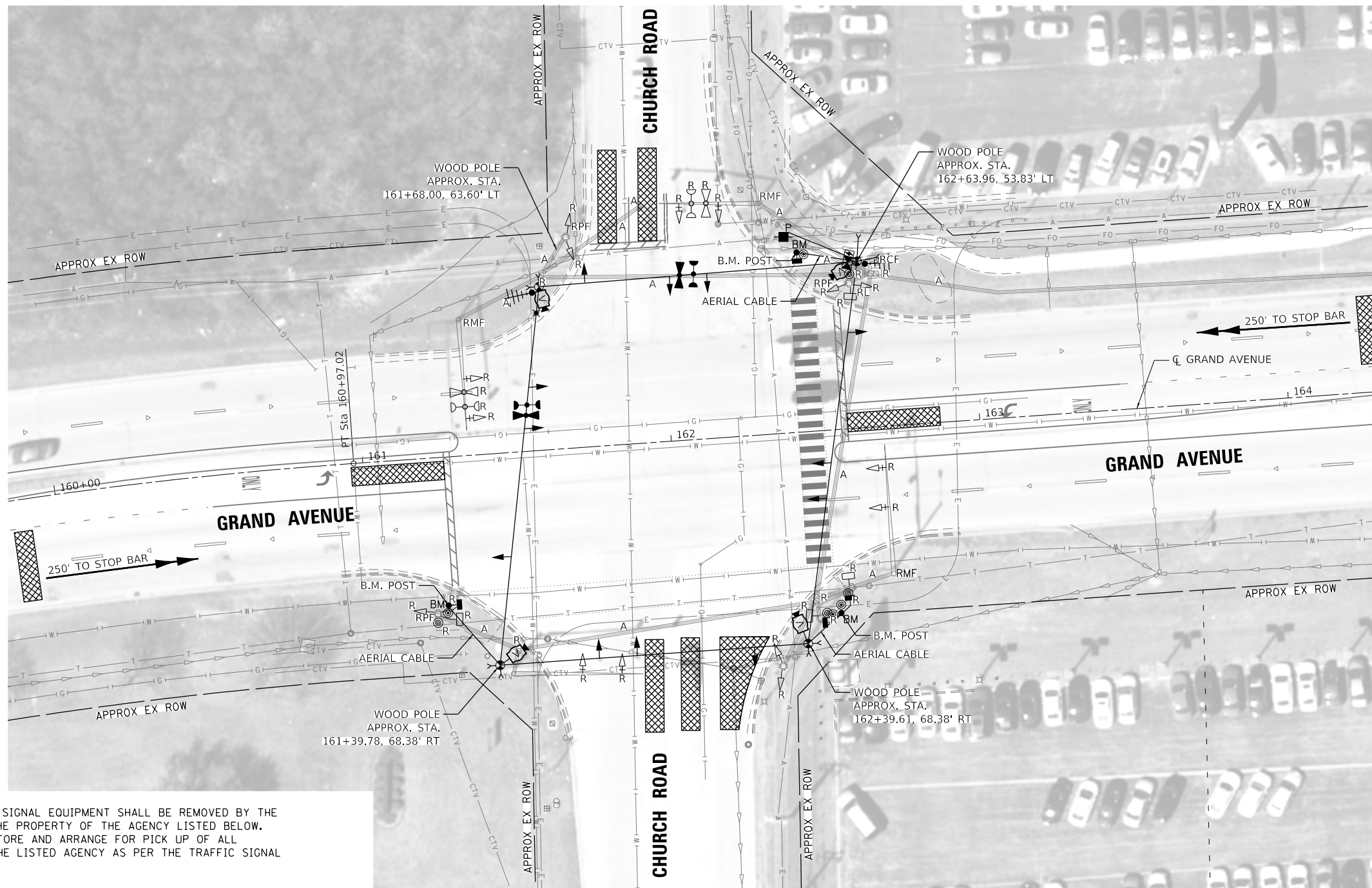
CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EVP SEQUENCE  
 GRAND AVENUE AT OAK LAWN AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	96
CONTRACT NO. 61H02				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.







THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY

- 2 EACH EVP DETECTORS
- 1 EACH EVP AMPLIFIERS
- 1 EACH CONTROLLER AND CABINET (COMPLETE)

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

- 3 EACH STEEL MAST ARM ASSEMBLY AND POST
- 2 EACH TRAFFIC SIGNAL POST
- 6 EACH 3-SECTION SIGNAL HEAD
- 10 EACH 5-SECTION SIGNAL HEAD
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 3 EACH HANDHOLE
- 1 EACH DOUBLE HANDHOLE
- 4 EACH MAST ARM MOUNTED SIGN

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



MODEL: Default  
FILE NAME: 17-00272-03-SP-17-00272-03-SP-Church-Church-temp-01.dwg



USER NAME = jrobinson	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 2/9/2021	CHECKED -	REVISED -
	DATE -	REVISED -

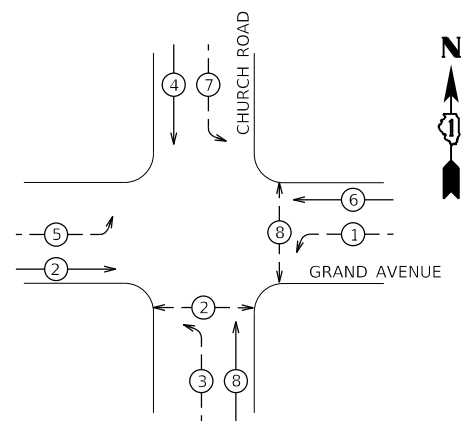
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL AND REMOVAL PLAN  
GRAND AVENUE AT CHURCH ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	98
			CONTRACT NO. 61H02	
		ILLINOIS	FED. AID PROJECT	

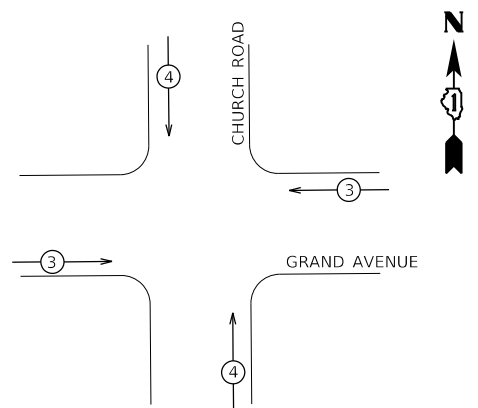
TEMPORARY CONTROLLER SEQUENCE



LEGEND

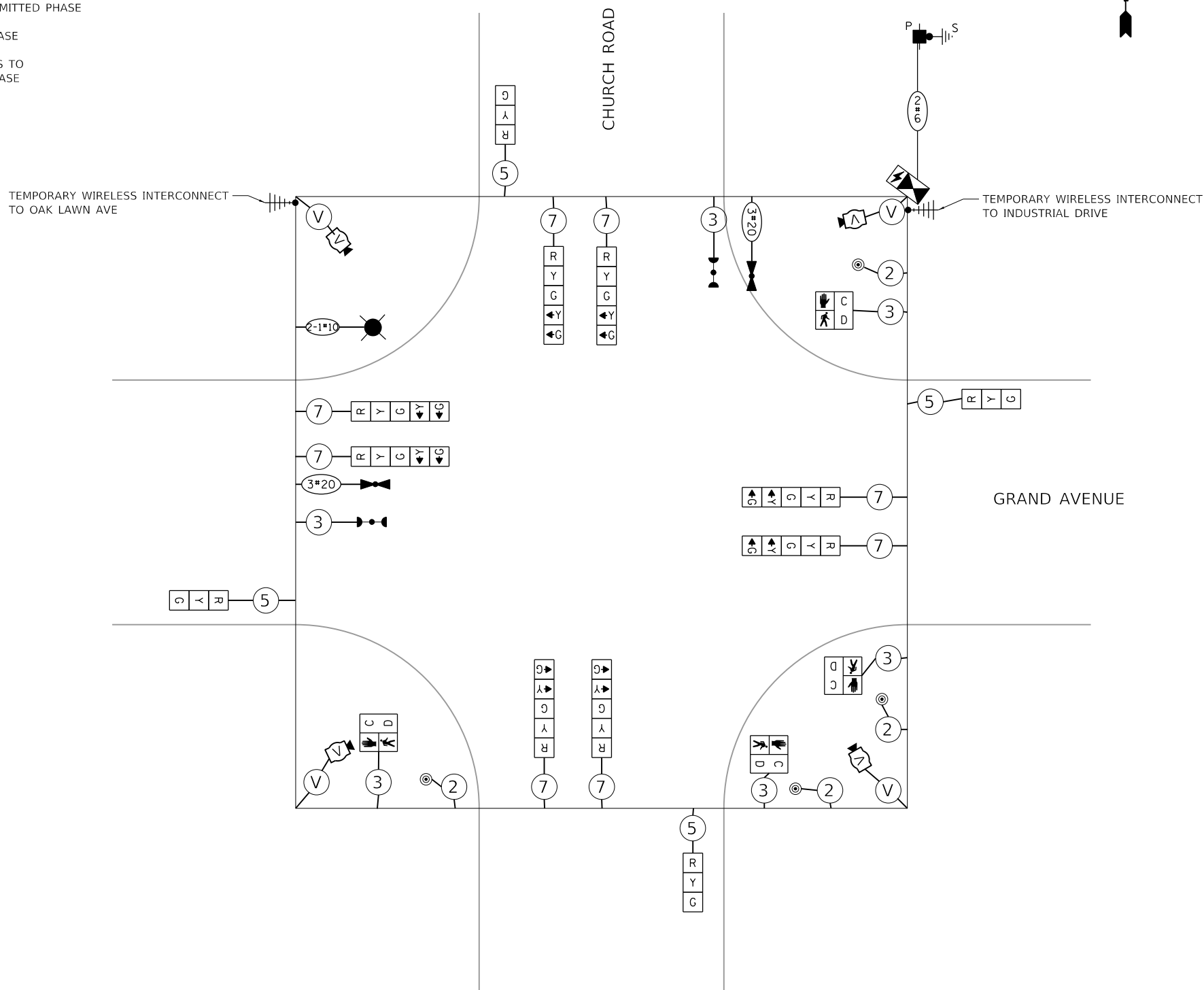
- ← ⊗ → DUAL ENTRY PHASE
- ← ⊗ → PROTECTED/PERMITTED PHASE
- ← ⊗ → PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

IDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (LED)	% OPERATION	
SIGNAL (RED)	12	11	50	66
SIGNAL (YELLOW)	12	20	5	12
SIGNAL (GREEN)	12	12	45	64.8
ARROW	16	10	10	16
PED. SIGNAL	4	20	100	80
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
STREET NAME SIGN	-	120	50	-
LUMINAIRE	1	165	50	82.5
TOTAL				596.3



TEMPORARY CABLE PLAN

(NOT TO SCALE)

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

MODEL: Default  
FILE NAME: 17-00272-03-SP-Church-temp-02.dwg



USER NAME = jrobinson  
PLOT SCALE = 40,0000 ' / in.  
PLOT DATE = 2/9/2021

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

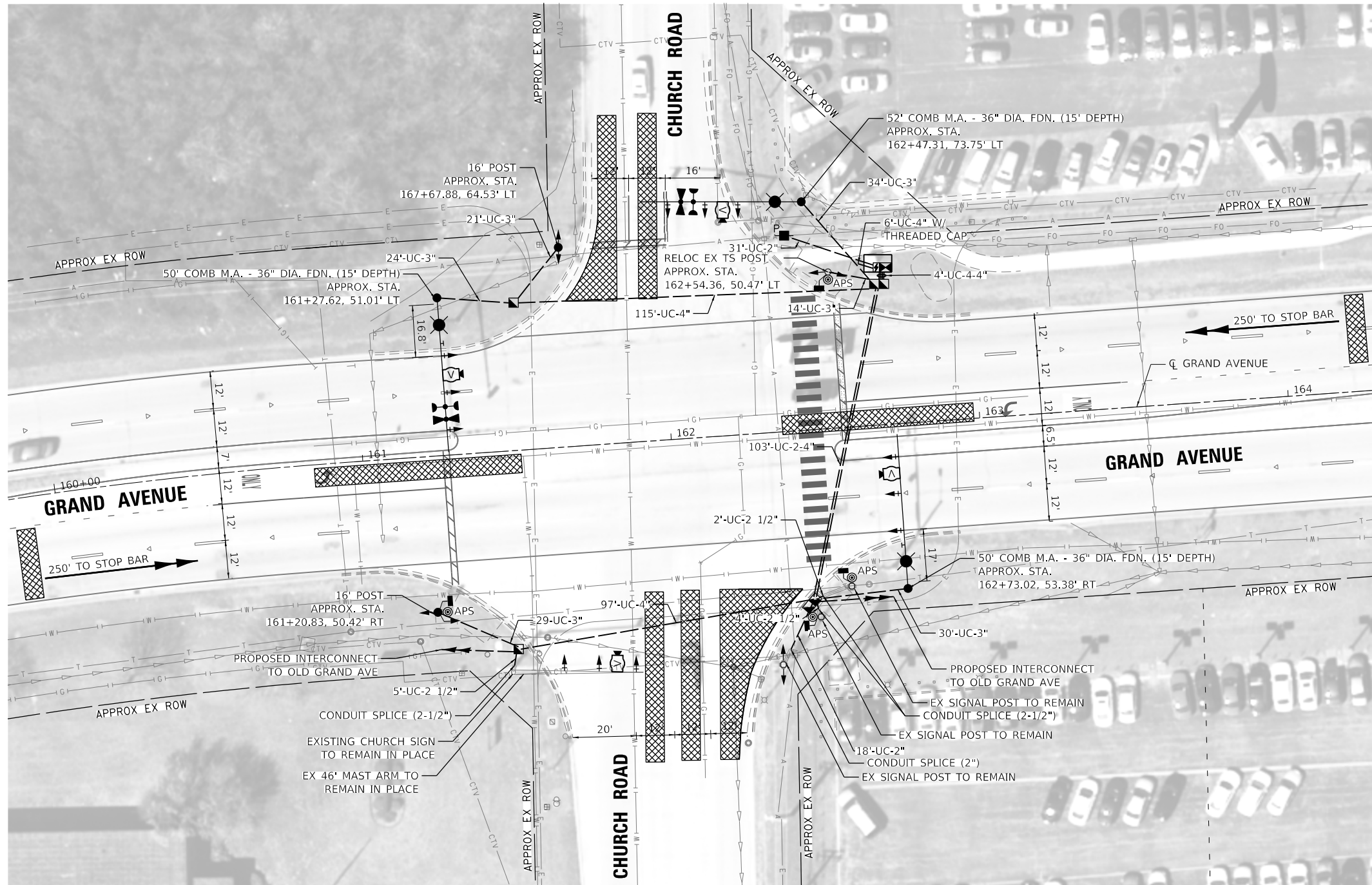
TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
& EVP SEQUENCE  
GRAND AVENUE AT CHURCH ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-SP	DUPAGE	174	99
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H02	



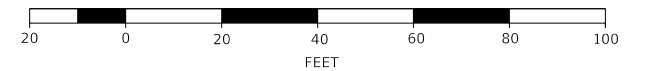
SEE SIGN DETAIL SHEET FOR ALL STREET NAME SIGNS



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE AND NTCIP (LATEST VERSION)

**NOTES**

1. DETECTION ZONES SHOWN ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED AND LAID OUT BY THE CONTRACTOR WITH THE ASSISTANCE OF THE EQUIPMENT SUPPLIER.
2. ELECTRIC SERVICE SHALL BE METERED.



MODEL: Default  
FILE NAME: 110712-rt-Church01.dwg



USER NAME = jrobinson	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 2/9/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC SIGNAL PLAN GRAND AVENUE AT CHURCH ROAD</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	17-00272-03-5P	DUPAGE	174	100
			CONTRACT NO. 61H02	
ILLINOIS FED. AID PROJECT				