

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	1
		ILLINOIS	CONTRACT NO. 61F24	

01-18-2019 LETTING ITEM 117

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

**F.A.U. ROUTE 1700 (LIVELY BOULEVARD)
DEVON AVENUE TO LANDMEIER ROAD
RESURFACING, TRAFFIC SIGNALS
SECTION 18-00068-00-RS
PROJECT B5RU(721)
VILLAGE OF ELK GROVE VILLAGE
COOK COUNTY
C-91-229-19**

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

DESIGN SPEED

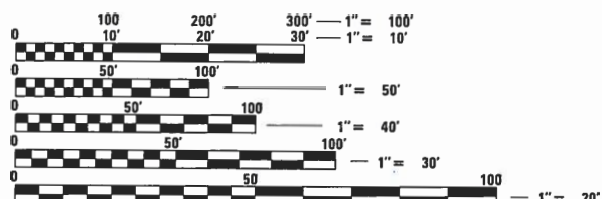
LIVELY BOULEVARD - 35 MPH

POSTED SPEED

LIVELY BOULEVARD - 30 MPH

FUNCTIONAL CLASSIFICATION

LIVELY BOULEVARD - MAJOR COLLECTOR (2016 ADT=7,000)

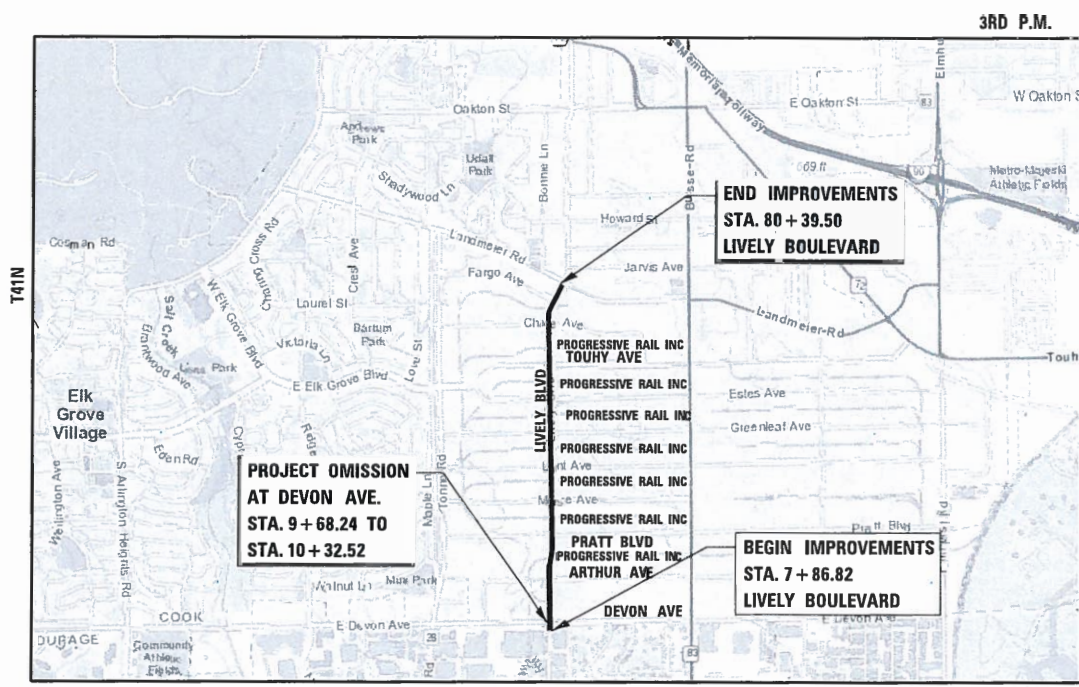


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

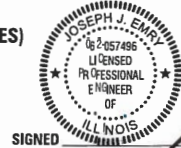
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT LENGTH

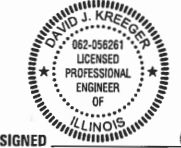
GROSS LENGTH = 7252.68 FT. (1.374 MILES)
NET LENGTH = 7188.40 FT. (1.361 MILES)



ELK GROVE TOWNSHIP R11E LOCATION MAP (NOT TO SCALE)



SIGNED [Signature] DATE 10/2/18 EXPIRES 11-30-2019



SIGNED [Signature] DATE 10/2/18 EXPIRES 11-30-2019

CONTRACT NO. 61F24

FOR DRAWINGS 68 TO 79

FOR DRAWINGS 1 TO 67, 80 TO 89



LOCATION OF SECTION INDICATED THUS: - [Symbol] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED October 4 2018
[Signature] ELK GROVE VILLAGE DIRECTOR OF PUBLIC WORKS

PASSED NOVEMBER 13 2018
[Signature] DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED REVIEW NOVEMBER 14 2018
[Signature] REGIONAL ENGINEER

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

PLANS PREPARED BY:
CIVILTECH
Two Pierce Place, Suite 1400 - Itasca, Illinois 60143
Tel: 630.773.3900 - Fax: 630.773.3975
www.civiltechinc.com

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL
CONSULTANT ENGINEER: DAVID J. KREEGER, P.E. CIVILTECH ENGINEERING, INC.

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2 - 3	INDEX, GENERAL NOTES, AND STANDARDS
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25	MAINTENANCE OF TRAFFIC GENERAL NOTES
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68 - 79	TRAFFIC SIGNAL PLANS
80 - 89	CONSTRUCTION DETAILS AND DISTRICT ONE DETAILS

IDOT HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALK
442201-03	CLASS C AND D PATCHES
606001-07	CONCRETE CURB TYPE B & COMBINATION CONCRETE CURB & GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL, MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

IDOT DISTRICT ONE STANDARDS

STANDARD NO.	DESCRIPTION
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-26	DRIVEWAY ENTRANCE SIGN
TS-05	DISTRICT 1 - STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2019; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" 2014, 7TH EDITION, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET AND APPROPRIATE PERMITS HAVE BEEN OBTAINED.
- THE ENGINEER AND ALL UTILITY COMPANIES, SCHOOL DISTRICTS, AND LOCAL POLICE AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE PROJECT LIMITS. ALL EXCESS OR WASTE MATERIAL SHALL BE EITHER HAULED AWAY FROM THE PROJECT SITE BY THE CONTRACTOR AND DEPOSITED AT LOCATIONS PROVIDED BY HIM/HER, OR DISPOSED OF WITHIN THE RIGHT-OF-WAY IN A MANNER OTHER THAN BURNING, SUBJECT TO THE APPROVAL OF THE ENGINEER.

LANDSCAPING

- LANDSCAPE RESTORATION ALONG SIDEWALK, DRIVEWAYS, AND CURB AND GUTTER THAT ARE REMOVED AND REPLACED SHALL CONSIST OF SODDING AND TOPSOIL FURNISH AND PLACE, 4". THE MAXIMUM WIDTH ALLOWED FOR PAYMENT SHALL BE 24".
- THE CONTRACTOR SHALL PROVIDE SPADE EDGES FOR THE SODDED AREA ABUTTING EXISTING TREES, LEAVING A 5' DIAMETER RING AROUND THE EXISTING TREES.

MISCELLANEOUS

- THE CONTRACTOR SHALL NOT CROSS COMPLETED BINDER COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.
- THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

STAKING

- ALL DIMENSIONS SHOWN ON THE PLANS ARE APPROXIMATE BASED ON FIELD INVESTIGATIONS. FINAL LENGTHS AND AREAS OF PROPOSED WORK WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

PAVING, CURB & GUTTER AND SIDEWALK

- THE PAVEMENT PATCHING AND CURB AND GUTTER REMOVAL AND REPLACEMENT LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATIONS BASED ON FIELD INVESTIGATIONS. THE ENGINEER SHALL MAKE THE FINAL DETERMINATION ON THE LOCATION OF PAVEMENT PATCHES AND CURB AND GUTTER REMOVAL AND REPLACEMENT IN THE FIELD.
- HOT-MIX ASPHALT SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
- HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
- THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACE, BINDER, OR BASE UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER, MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EXPOXY COATED, UNLESS NOTED ON THE PLAN.

TRAFFIC SIGNALS

- THE CONTRACTOR SHALL INFORM THE CCDOTH DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
- ALL SIGNAL POSTS SHALL BE SET BACK 4 FEET MINIMUM AND ALL MAST ARM POLES SHALL BE SET BACK 6 FEET MINIMUM FROM THEIR CENTER TO THE BACK OF CURB UNLESS OTHERWISE NOTED. IN NON-CURBED AREAS, THE MAST ARM POLE AND SIGNAL POST SHALL BE LOCATED A MINIMUM OF 10 FEET BEHIND THE EDGE OF PAVEMENT OR 2 FEET BEHIND THE EDGE OF THE SHOULDER, WHICHEVER IS GREATER.
- 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 THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123. THE COUNTY IS NOT PART OF JULIE FOR LOCATION OF TRAFFIC SIGNAL EQUIPMENT. CONTACT THE MECHANICAL, ELECTRICAL, ARCHITECTURAL, AND LANDSCAPING DIVISION AT 312-603-1730.
- ALL ELECTRICAL CABLE SHALL HAVE A POLYVINYL CHLORIDE JACKET.
- THE CONTROLLER AND ALL CONTROL EQUIPMENT SHALL BE OF A MANUFACTURER THAT IS APPROVED BY COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS. THE MANUFACTURER OF ALL EQUIPMENT SHALL HAVE A REPRESENTATIVE AND SHOP LOCATED IN THE SIX (6) COUNTY CHICAGO AREAS. ALL EQUIPMENT INSTALLED IN THE CONTROLLER CABINET SHALL BE FROM A SINGLE SUPPLIER. THE SUPPLIER SHALL BE RESPONSIBLE FOR SERVICE AND SUPPORT FOR THIS EQUIPMENT.

MODEL: 41001ELNAMES
FILE NAME: 11/8/2018_Notes_01.dgn

USER NAME = djc	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJC	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
INDEX, GENERAL NOTES, AND STANDARDS**

SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	2
				CONTRACT NO. 61F24
		ILLINOIS	FED. AID PROJECT	

UTILITIES

1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
2. COORDINATION OF ANY UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.
3. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, PETROLEUM, SEWER AND CABLE TELEVISION FACILITIES (48 HOURS NOTIFICATION IS REQUIRED).
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AS COORDINATED WITH THE UTILITY OWNER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS OF HIS/HER CONSTRUCTION SCHEDULE AND SHALL COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY OWNERS SO THAT THE RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER. NOTIFICATION SHALL BE IN WRITING, WITH COPIES TRANSMITTED TO THE ENGINEER.
5. ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
6. THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT AND/OR FOR DELAYS CAUSED BY UTILITY RELOCATION OR ADJUSTMENT.
7. STRUCTURE ADJUSTMENTS AND RECONSTRUCTIONS HAVE BEEN SHOWN BASED ON FIELD INVESTIGATIONS. THE FINAL DETERMINATION FOR WHETHER THE WORK TO BE PERFORMED IS AN ADJUSTMENT OR RECONSTRUCTION WILL BE MADE BY THE ENGINEER IN THE FIELD.
8. THE MAXIMUM HEIGHT OF ADJUSTING RINGS ON UTILITY STRUCTURES SHALL BE 8". CONCRETE ADJUSTMENT RINGS LESS THAN 4 INCHES SHALL NOT BE ALLOWED. HIGH DENSITY POLYETHYLENE (HDPE) PLASTIC RINGS AND RING WEDGES SHALL BE USED FOR ALL ADJUSTMENTS LESS THAN 4" OR IN COMBINATION WITH 4 INCH MINIMUM CONCRETE ADJUSTMENT RINGS. BRICKS SHALL NOT BE ALLOWED.

STORM & SANITARY SEWER

1. UNLESS OTHERWISE NOTED ON THE PLANS, THE EXISTING DRAINAGE FACILITIES SHALL REMAIN IN USE DURING THE PERIOD OF CONSTRUCTION. LOCATIONS OF EXISTING DRAINAGE STRUCTURES AND SEWERS AS SHOWN ON THE PLANS ARE APPROXIMATE. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF EXISTING STRUCTURES WHICH ARE WITHIN THE PROPOSED CONSTRUCTION LIMITS.

DURING CONSTRUCTION, IF THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS, UNDERDRAINS OR FIELD DRAINS WITHIN THE RIGHT-OF-WAY OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL SO INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF THE NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED BY THE CONTRACTOR. SHOULD THE ENGINEER HAVE DIRECTED THE REPLACEMENT OF A FACILITY, THE NECESSARY WORK AND PAYMENT SHALL BE IN ACCORDANCE WITH SECTIONS 550 AND 601, AND ARTICLE 104.02 OF THE STANDARD SPECIFICATIONS.

EROSION CONTROL

1. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL" AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.
2. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
3. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
4. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
5. ALL SLOPES SHALL BE COVERED WITH SOD AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED. THE LIMITS OF THE SOD SHALL BE THE LIMITS OF GRADING.
6. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN THE CURB AND GUTTER AND SHOULDERS.
7. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.
9. THE SURFACE OF ALL STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN 14 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION WITH THE USE OF TEMPORARY EROSION CONTROL SEEDING. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.

COMMITMENTS

THERE ARE NO COMMITMENTS.

MODEL: 4100BELNAMES
FILE NAME: 111307_Notes_2.dgn

USER NAME = djc	DESIGNED - KDC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIVELY BOULEVARD RESURFACING INDEX, GENERAL NOTES, AND STANDARDS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - JAB	REVISED -			1700	18-00068-00-RS	COOK	89	3	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -			CONTRACT NO. 61F24					
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -			SHEET 2 OF 2 SHEETS		ILLINOIS FED. AID PROJECT			

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						0005	
						ROADWAY RESURFACING	NON-PARTICIPATING
X		20101000	TEMPORARY FENCE	FOOT	440	440	
X	X	20101200	TREE ROOT PRUNING	EACH	11	11	
X	X	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10	
X	X	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	1	1	
		20200100	EARTH EXCAVATION	CU YD	220	220	
		20800150	TRENCH BACKFILL	CU YD	3	3	
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	881	881	
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	11	11	
		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	11	11	
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	11	11	
		25200100	SODDING	SQ YD	881	881	
		25200200	SUPPLEMENTAL WATERING	UNIT	13	13	
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	18	18	
		28000510	INLET FILTERS	EACH	65	65	
		31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	1433	1433	
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	130	130	
		31101600	SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	212	212	
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	18934	18934	
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	63	63	
		40600525	LEVELING BINDER (HAND METHOD), N50	TON	100	100	
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	776	776	

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						0005	
						ROADWAY RESURFACING	NON-PARTICIPATING
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	4712	4712	
		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	20	20	
		42001300	PROTECTIVE COAT	SQ YD	2471	2471	
		44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	42075	42075	
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	208	208	
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3035	3035	
		44000600	SIDEWALK REMOVAL	SQ FT	14093	14093	
		44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	189	189	
		44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	442	442	
		44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	442	442	
		44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	883	883	
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	8	8	
		55100500	STORM SEWER REMOVAL 12"	FOOT	16	16	
		60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	15	15	
		60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	2	2	
		60266600	VALVE BOXES TO BE ADJUSTED	EACH	10	10	
		60500060	REMOVING INLETS	EACH	2	2	
X		60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	2922	2922	
		67100100	MOBILIZATION	L SUM	1	1	
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
		70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	

MODEL: MODELNAME\$
FILE NAME: 1287_Sumquant_01.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JAB	REVISED -
PLOT DATE = 11/9/2018	CHECKED - DJK	REVISED -
	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 3 SHEETS

F.A.U. RTE. 1700	SECTION 18-00068-00-R5	COUNTY COOK	TOTAL SHEETS 89	SHEET NO. 4
CONTRACT NO. 61F24			ILLINOIS FED. AID PROJECT	

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						0005	
						ROADWAY RESURFACING	NON-PARTICIPATING
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1	
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
X		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	420	420	
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	12501	12501	
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4167	4167	
X		72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	71	71	
X		72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	19	19	
X		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1186	1186	
X		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18110	18110	
X		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5340	5340	
X		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	868	868	
X		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	723	723	
X		78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	258	258	
X	X	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	13	13	
X	X	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2	
X	X	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	279	279	
X	X	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	25	25	
X	X	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8	8	
	X	87900200	DRILL EXISTING HANDHOLE	EACH	2	2	
X	X	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	8	
X	X	88600100	DETECTOR LOOP, TYPE I	FOOT	996	996	

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						0005	
						ROADWAY RESURFACING	NON-PARTICIPATING
X	X	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8	8	
	X	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2	2	
	X	89502200	MODIFY EXISTING CONTROLLER	EACH	1	1	
X	X	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
X	X	89502376	REBUILD EXISTING HANDHOLE	EACH	2	2	
X	X	X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4	4	
X		X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	258	258	
X		X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100	
X		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	11	11	
X		X4230800	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH, SPECIAL	SQ YD	208	208	
X		X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	2868	2868	
X		X4240460	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL	SQ FT	11202	11202	
X		X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	893	893	
X		X6020710	CATCH BASINS TO BE ADJUSTED WITH SPECIAL FRAME AND GRATE	EACH	2	2	
X		X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	20	20	
X		X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	115	115	
X		X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	7	7	
X	X	X7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	54	54	
X	X	X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	2	2	
X		XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	1	
X	X	XX007147	REMOVE AND REPLACE LAWN SPRINKLER SYSTEM	FOOT	200		200

MODEL: SMOELNAME\$
FILE NAME: \1267_Sumquant_01.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -
DRAWN - JAB	CHECKED - DJK	REVISED -
PLOT SCALE = 20,0000' / in.	DATE - 10/05/2018	REVISED -
PLOT DATE = 11/9/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
SUMMARY OF QUANTITIES**

F.A.U. RTE. 1700	SECTION 18-00068-00-RS	COUNTY COOK	TOTAL SHEETS 89	SHEET NO. 5
SCALE:				SHEET 2 OF 3 SHEETS
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61F24

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						0005	
						ROADWAY RESURFACING	NON-PARTICIPATING
X	X	XX008608	CABLE, SPECIAL	FOOT	676	676	
X		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
X		Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	64	64	
X		Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	5	5	
X		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	138	138	
X		Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	17000	17000	
X		Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
X		Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	8	8	
0	X	Z0076600	TRAINEES	HOUR	500	500	
0	X	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	
X		XX009276	REFLECTIVE SIGN TAPE	FOOT	112	112	
X		XX009271	REFLECTIVE SIGN SUPPORT COVER	EACH	28	28	

0 CONSTRUCTION TYPE CODE 0042

MODEL: SACRELIAMIES
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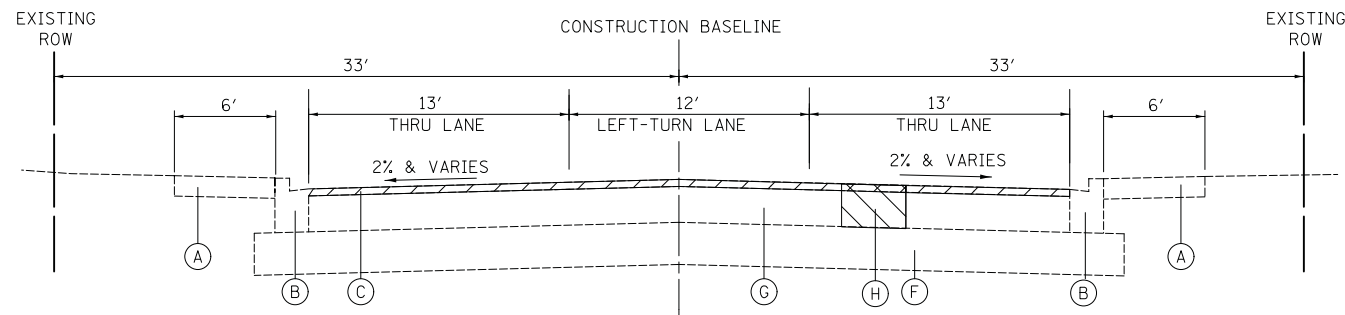
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	DRAWN - JAB	REVISED -
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PLOT DATE = 11/9/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
SUMMARY OF QUANTITIES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	6
CONTRACT NO. 61F24			ILLINOIS FED. AID PROJECT	

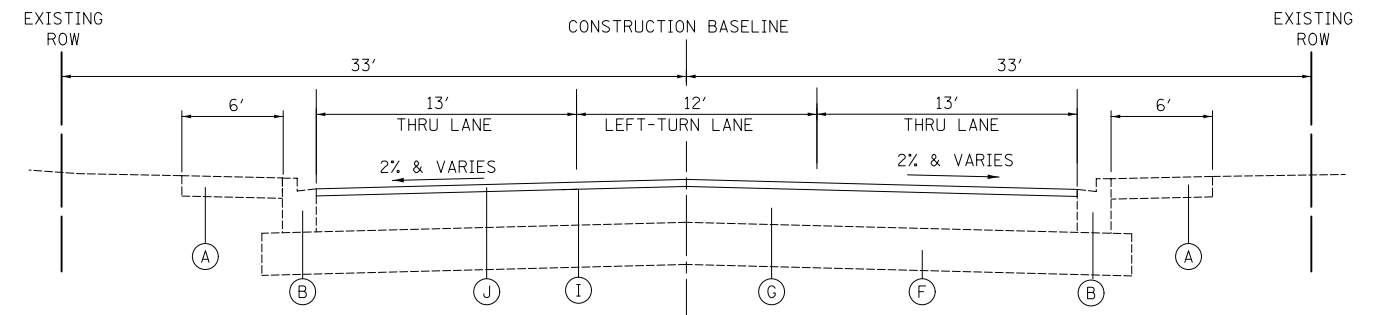
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.



EXISTING TYPICAL SECTION

LIVELY BOULEVARD
STA. 7+86.82 TO STA. 9+68.24

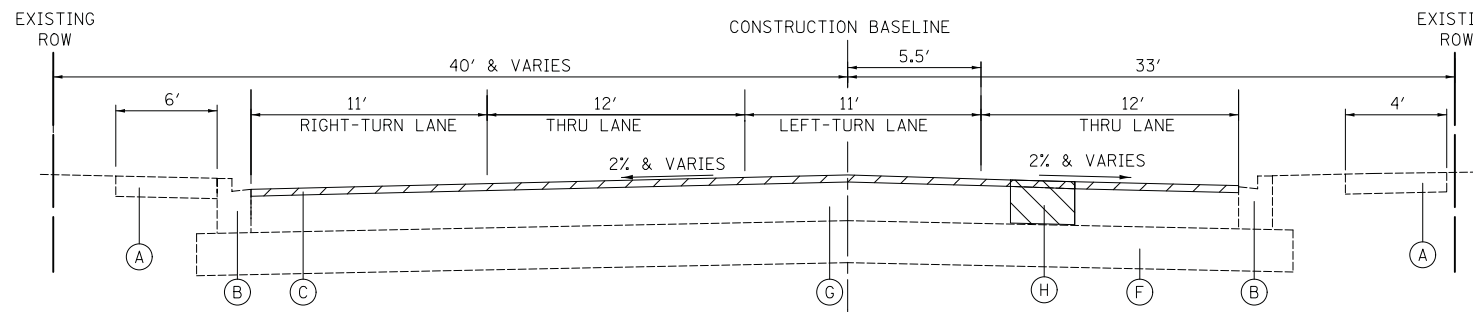
PROJECT OMISSION STA. 9+68.24 TO STA. 10+32.52



PROPOSED TYPICAL SECTION

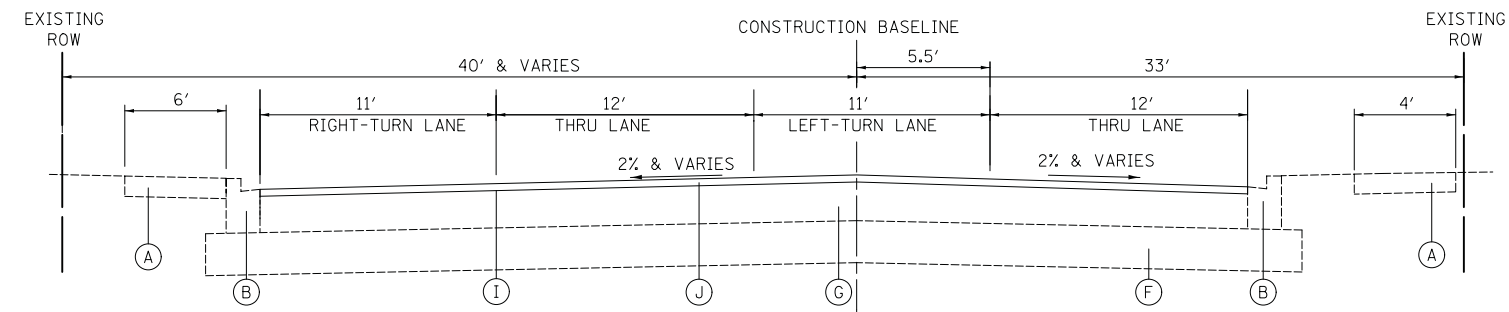
LIVELY BOULEVARD
STA. 7+86.82 TO STA. 9+68.24

PROJECT OMISSION STA. 9+68.24 TO STA. 10+32.52



EXISTING TYPICAL SECTION

LIVELY BOULEVARD
STA. 10+32.52 TO STA. 14+02.00



PROPOSED TYPICAL SECTION

LIVELY BOULEVARD
STA. 10+32.52 TO STA. 14+02.00

LEGEND

- (A) EXISTING CONCRETE SIDEWALK
- (B) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (C) EXISTING HOT-MIX ASPHALT SURFACE COURSE, 2"
- (D) EXISTING HOT MIX ASPHALT BINDER COURSE, 10 1/4"
- (E) EXISTING GRANULAR SUBBASE, 4"
- (F) EXISTING AGGREGATE SUBGRADE, 12"
- (G) EXISTING HOT-MIX ASPHALT BINDER COURSE, 10"
- (H) PROPOSED CLASS D PATCH, 12" (LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER)
- (I) PROPOSED LONGITUDINAL JOINT SEALANT (PLACED BELOW SURFACE COURSE)
- (J) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"

HOT-MIX ASPHALT SURFACE REMOVAL, 2"

CLASS D PATCHES (THICKNESS AS SPECIFIED)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
ROADWAY	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	4% @ 50 GYR.
ROADWAY	
INCIDENTAL HOT-MIX ASPHALT SURFACING, MIX "D", N50 (IL-9.5mm)	4% @ 50 GYR.
ROADWAY	
LEVELING BINDER (HAND METHOD), N50 (IL 9.5mm)	4% @ 50 GYR.
CLASS D PATCH	
CLASS D PATCH (HMA BINDER IL-19MM); 12"	4% @ 70 GYR.

- NOTES:
- THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY-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 DISTRICT ONE SPECIAL PROVISIONS.
 - FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

MODEL: 6400BELNAMES
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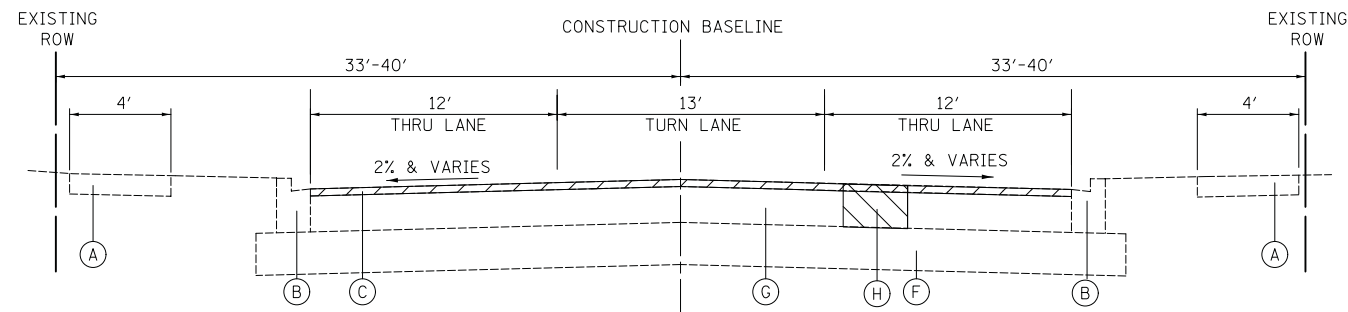
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	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
TYPICAL SECTIONS**

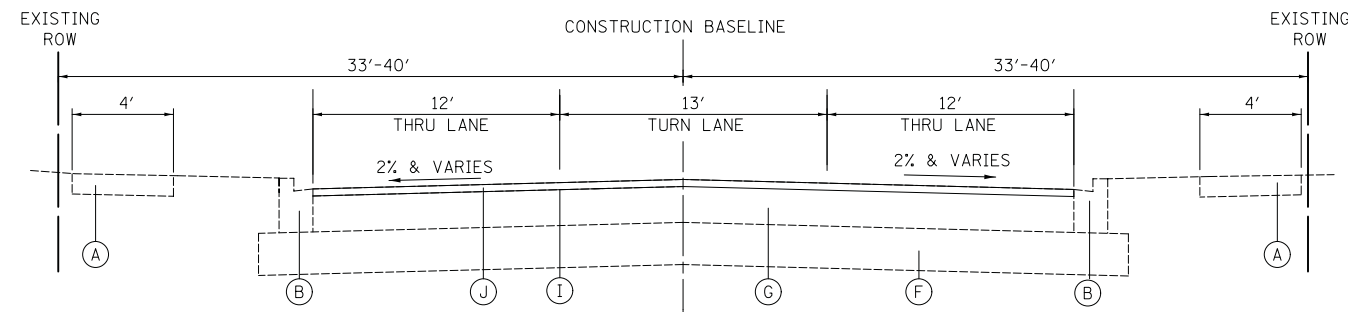
SCALE: NTS SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	7
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



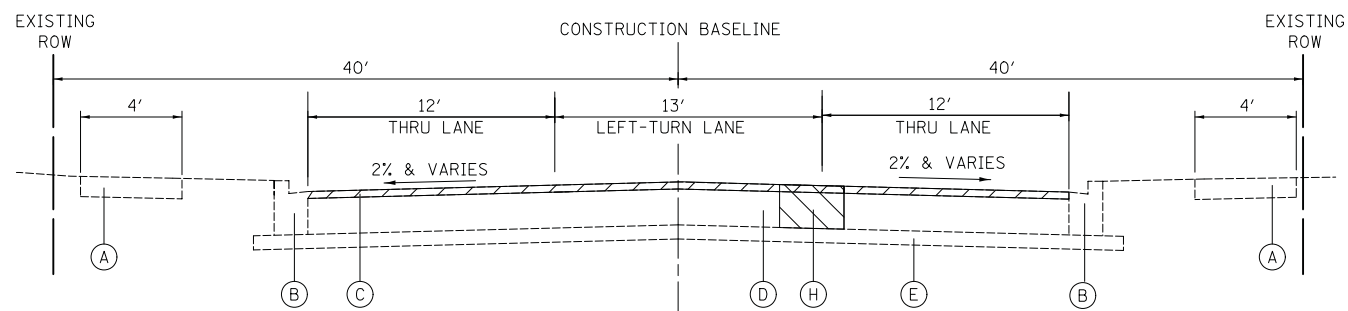
EXISTING TYPICAL SECTION

LIVELY BOULEVARD
STA. 14+02.00 TO STA. 63+58.00



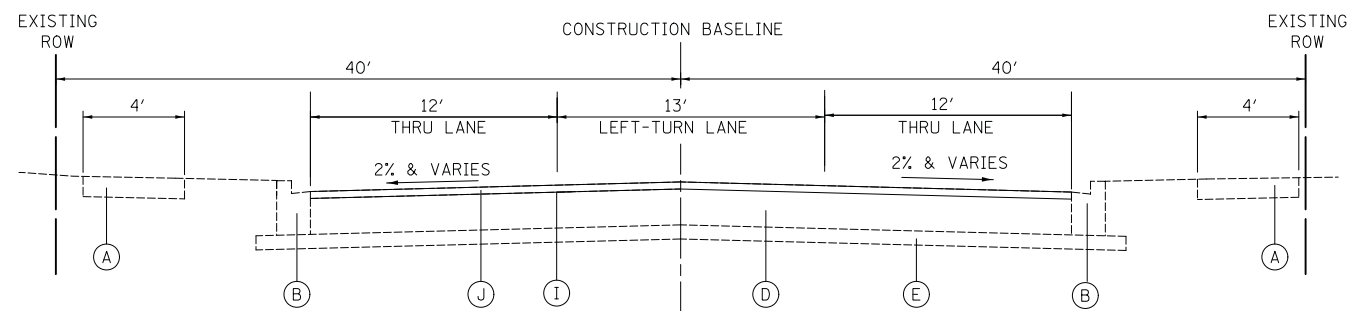
PROPOSED TYPICAL SECTION

LIVELY BOULEVARD
STA. 14+02.00 TO STA. 63+58.00



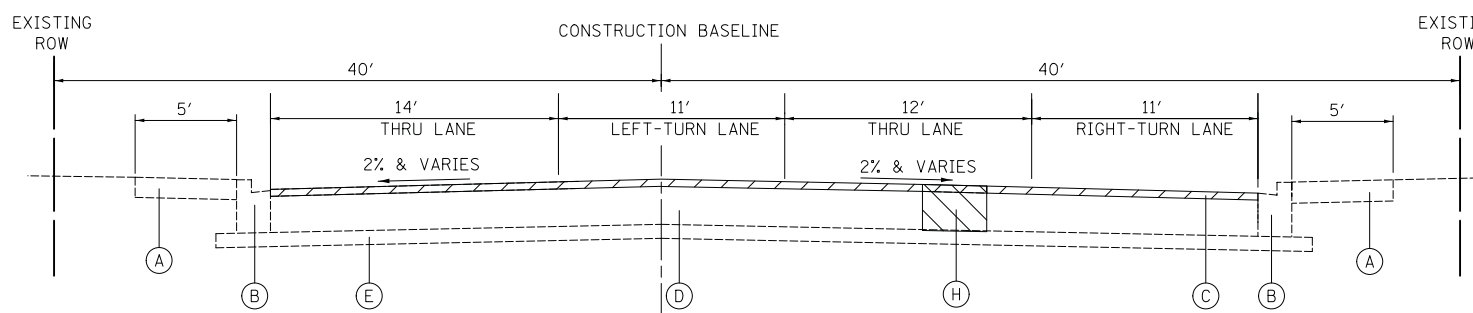
EXISTING TYPICAL SECTION

LIVELY BOULEVARD
STA. 63+58.00 TO STA. 77+08.93



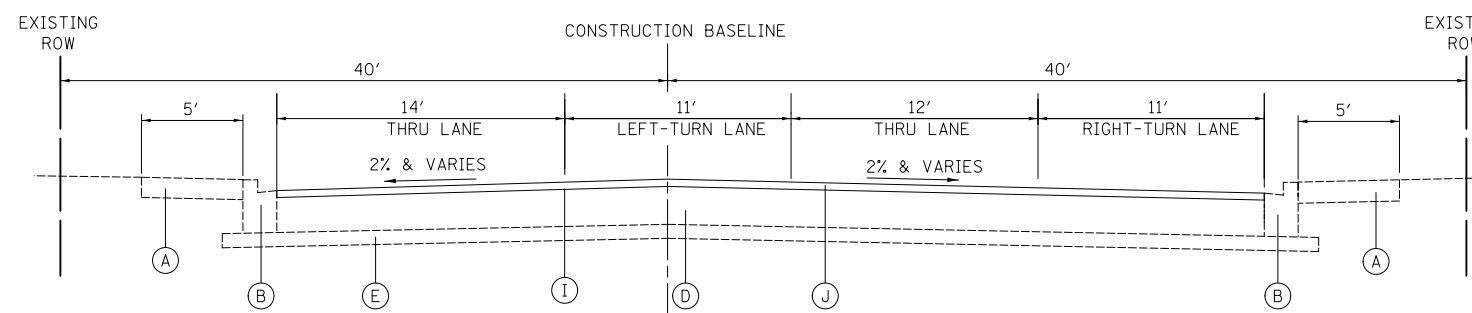
PROPOSED TYPICAL SECTION

LIVELY BOULEVARD
STA. 63+58.00 TO STA. 77+08.93



EXISTING TYPICAL SECTION

LIVELY BOULEVARD
STA. 77+08.93 TO STA. 80+39.50



PROPOSED TYPICAL SECTION

LIVELY BOULEVARD
STA. 77+08.93 TO STA. 80+39.50

LEGEND

- (A) EXISTING CONCRETE SIDEWALK
- (B) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (C) EXISTING HOT-MIX ASPHALT SURFACE COURSE, 2"
- (D) EXISTING HOT MIX ASPHALT BINDER COURSE, 10 1/4"
- (E) EXISTING GRANULAR SUBBASE, 4"
- (F) EXISTING AGGREGATE SUBGRADE, 12"
- (G) EXISTING HOT-MIX ASPHALT BINDER COURSE, 10"
- (H) PROPOSED CLASS D PATCH, 12" (LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER)
- (I) PROPOSED LONGITUDINAL JOINT SEALANT (PLACED BELOW SURFACE COURSE)
- (J) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- [Hatched Box] HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- [Diagonal Lines Box] CLASS D PATCHES (THICKNESS AS SPECIFIED)

MODEL: 6400BELNAMES
FILE NAME: 03271216a03267.rvt, TYP

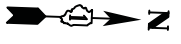
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
TYPICAL SECTIONS**

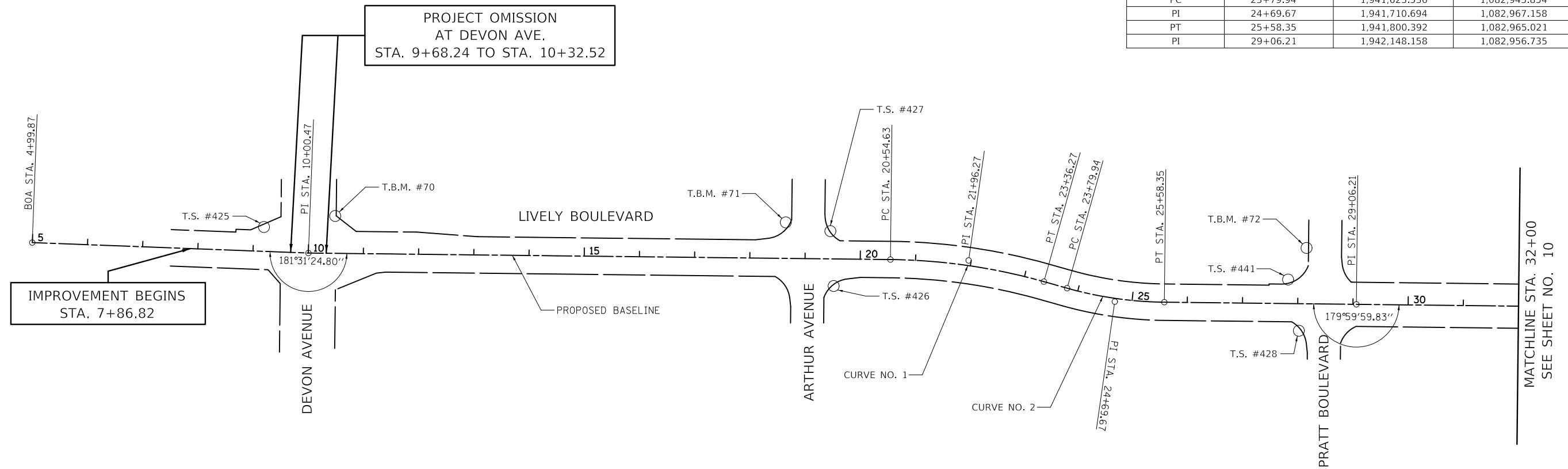
SCALE: NTS SHEET 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	8
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



LIVELY BLVD. ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
BOA	4+99.87	1,939,747.459	1,082,929.009
PI	10+00.47	1,940,248.064	1,082,930.379
PC	20+54.63	1,941,301.921	1,082,905.234
PI	21+96.27	1,941,443.522	1,082,901.856
PT	23+36.27	1,941,581.114	1,082,935.486
PC	23+79.94	1,941,623.536	1,082,945.854
PI	24+69.67	1,941,710.694	1,082,967.158
PT	25+58.35	1,941,800.392	1,082,965.021
PI	29+06.21	1,942,148.158	1,082,956.735



IMPROVEMENT BEGINS
STA. 7+86.82

PROJECT OMISSION
AT DEVON AVE.
STA. 9+68.24 TO STA. 10+32.52

MATCHLINE STA. 32+00
SEE SHEET NO. 10

CURVE DATA

CURVE NO. 1
P.I. STA = 21+96.27
$\Delta = 15^\circ 06' 06''$ (RT)
D = 5° 21' 43"
R = 1068.55'
T = 141.64'
L = 281.64'
E = 9.35'
e = N.C.
P.C. STA = 20+54.63
P.T. STA = 23+36.27

CURVE DATA

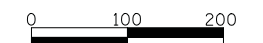
CURVE NO. 2
P.I. STA = 24+69.67
$\Delta = 15^\circ 05' 59''$ (LT)
D = 8° 27' 49"
R = 676.97'
T = 89.72'
L = 178.41'
E = 5.92'
e = N.C.
P.C. STA = 23+79.94
P.T. STA = 25+58.35

BENCHMARKS

TBM NO.	LOCATION	ELEVATION	DESCRIPTION
70	STA. 10+47.43, 66.94' LT	695.10	RAILROAD SPIKE (SET) IN POWER POLE WITH LIGHT
71	STA. 18+65.14, 64.67' LT	695.31	CROSS CUT (SET) IN NORTHEAST FLANGE BOLT OF FIRE HYDRANT
72	STA. 28+15.36, 100.34' LT	690.20	CROSS CUT (SET) ON SOUTHEAST FLANGE BOLT OF FIRE HYDRANT

CONTROL POINTS

STATION NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
T.S. #425	1940165.942	1082886.106	9+18.23	44.05' LT	IRON ROD AND CAP
T.S. #426	1941200.832	1082956.698	19+52.34	49.04' RT	IRON ROD AND CAP
T.S. #427	1941191.451	1082857.646	19+45.33	50.21' LT	IRON ROD AND CAP
T.S. #428	1942045.761	1083008.115	28+02.62	48.93' RT	IRON ROD AND CAP
T.S. #441	1942023.002	1082917.697	27+82.02	42.01' LT	IRON ROD AND CAP



SCALE IN FEET

MODEL: 6400BENMARKS
FILE NAME: 033307_4TB_01.dgn

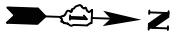
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DRAWN - JAB	REVISED -	
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ALIGNMENT AND BENCHMARKS**

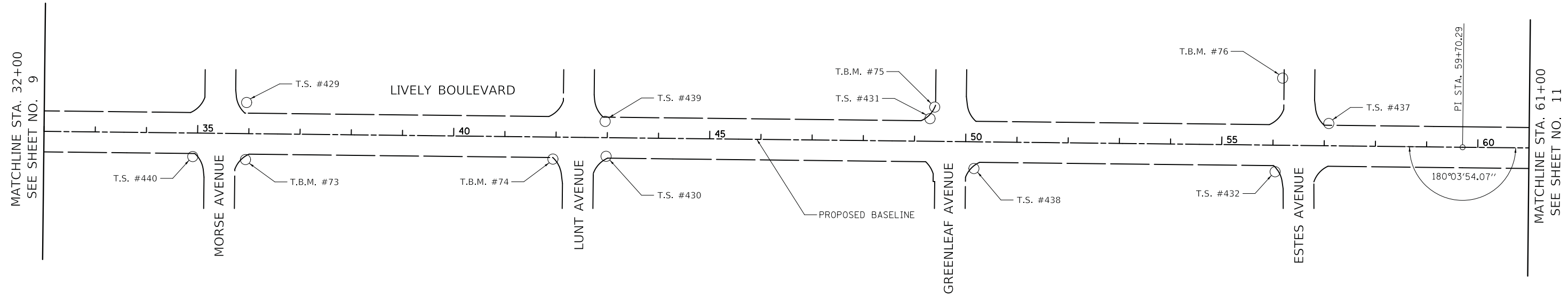
SCALE: 1" = 100' SHEET 1 OF 3 SHEETS STA. 8+86.8 TO STA. 32+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	9
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



LIVELY BLVD. ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
PI	STA. 59+70.29	1,945,211.366	1,082,883.757



BENCHMARKS

TBM NO.	LOCATION	ELEVATION	DESCRIPTION
73	STA. 35+93.24, 50.03' RT	685.65	CROSS CUT (SET) IN SOUTHWEST FLANGE BOLT OF FIRE HYDRANT
74	STA. 41+95.05, 42.42' RT	682.37	CROSS CUT (SET) IN SOUTHEAST FLANGE BOLT OF FIRE HYDRANT
75	STA. 49+37.76, 66.94' LT	686.59	CROSS CUT (SET) ON SOUTHEAST FLANGE BOLT OF FIRE HYDRANT
76	STA. 56+18.00, 131.70' LT	689.91	CROSS CUT (SET) ON SOUTHEAST FLANGE BOLT OF FIRE HYDRANT

CONTROL POINTS

STATION NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
T.S. #440	1942733.813	1082988.706	34+90.94	45.91' RT	IRON ROD AND CAP
T.S. #429	1942835.295	1082879.614	35+94.99	60.73' LT	IRON ROD AND CAP
T.S. #430	1943540.462	1082959.984	42+98.05	36.41' RT	CROSS CUT
T.S. #439	1943536.282	1082891.919	42+95.49	31.74' LT	CROSS CUT
T.S. #431	1944170.017	1082864.304	49+29.70	44.25' LT	CROSS CUT
T.S. #438	1944259.155	1082958.632	50+16.57	52.18' RT	IRON ROD AND CAP
T.S. #432	1944847.144	1082944.278	56+04.73	51.83' RT	IRON ROD AND CAP
T.S. #437	1944948.624	1082846.551	57+08.51	43.45' LT	IRON ROD AND CAP



SCALE IN FEET

MODEL: 640BENMARKS
FILE NAME: 180327_A1B_02.dgn

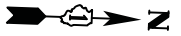
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ALIGNMENT AND BENCHMARKS**

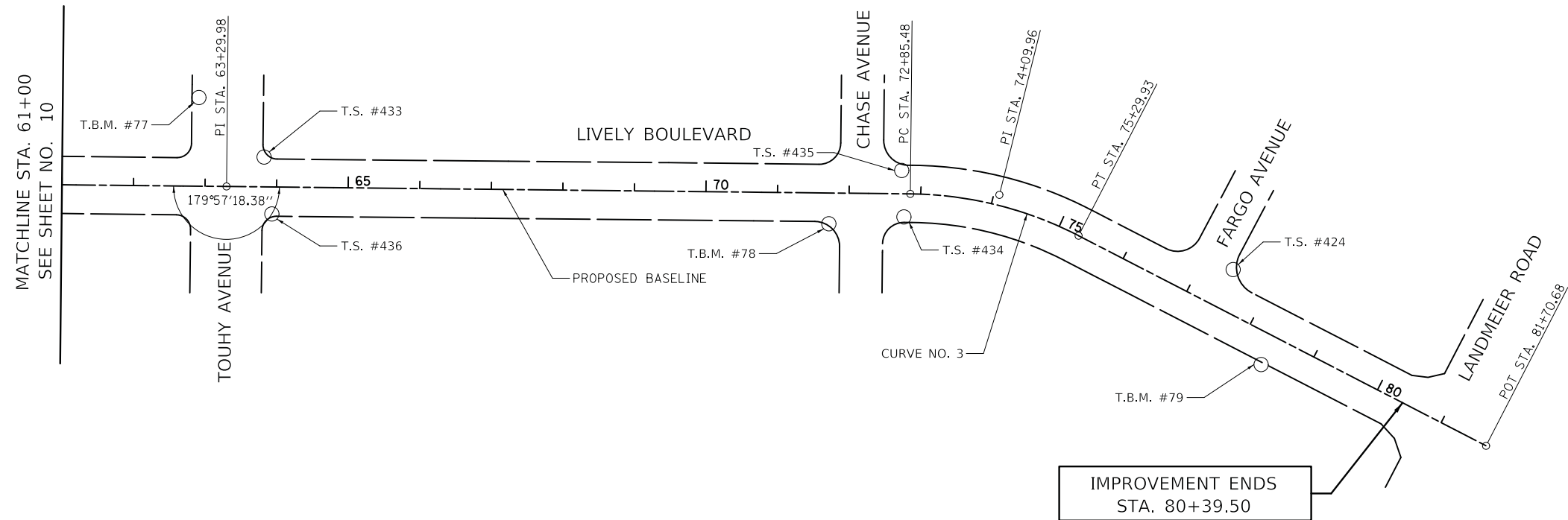
SCALE: 1" = 100' SHEET 2 OF 3 SHEETS STA. 32+00 TO STA. 61+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	10
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



LIVELY BLVD. ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
PI	63+29.98	1,945,570.941	1,082,874.782
PC	78+85.48	1,946,526.160	1,082,851.689
PI	74+09.96	1,946,650.606	1,082,848.680
PT	75+29.93	1,946,763.155	1,082,901.865
POT	81+70.68	1,947,342.481	1,083,175.627



CURVE DATA

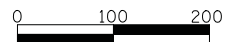
CURVE NO. 3
P.I. STA = 74+09.96
Δ = 26° 40' 41" (RT)
D = 10° 54' 49"
R = 525.00'
T = 124.48'
L = 244.45'
E = 14.56'
e = N.C.
P.C. STA = 72+85.48
P.T. STA = 75+29.93

BENCHMARKS

TBM NO.	LOCATION	ELEVATION	DESCRIPTION
77	STA. 62+90.77, 124.75' LT	693.20	CROSS CUT (SET) IN SOUTHEAST FLANGE BOLT OF FIRE HYDRANT
78	STA. 71+72.95, 42.67' RT	691.68	CROSS CUT (SET) IN SOUTHEAST FLANGE BOLT OF FIRE HYDRANT
79	STA. 78+39.39, 44.05' RT	691.36	CROSS CUT (SET) ON SOUTHEAST FLANGE BOLT OF FIRE HYDRANT

CONTROL POINTS

STATION NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
T.S. #433	1945621.967	1082831.876	63+82.03	41.66' LT	IRON ROD AND CAP
T.S. #436	1945635.600	1082910.976	63+93.74	37.75' RT	IRON ROD AND CAP
T.S. #435	1946513.026	1082819.401	72+73.13	32.60' LT	IRON ROD AND CAP
T.S. #434	1946518.376	1082884.195	72+76.91	32.31' RT	IRON ROD AND CAP
T.S. #424	1946980.731	1082941.653	77+43.64	56.99' LT	CROSS CUT



SCALE IN FEET

MODEL: 6400BEN.MAKES
FILE NAME: 611307_1TB_03.dgn

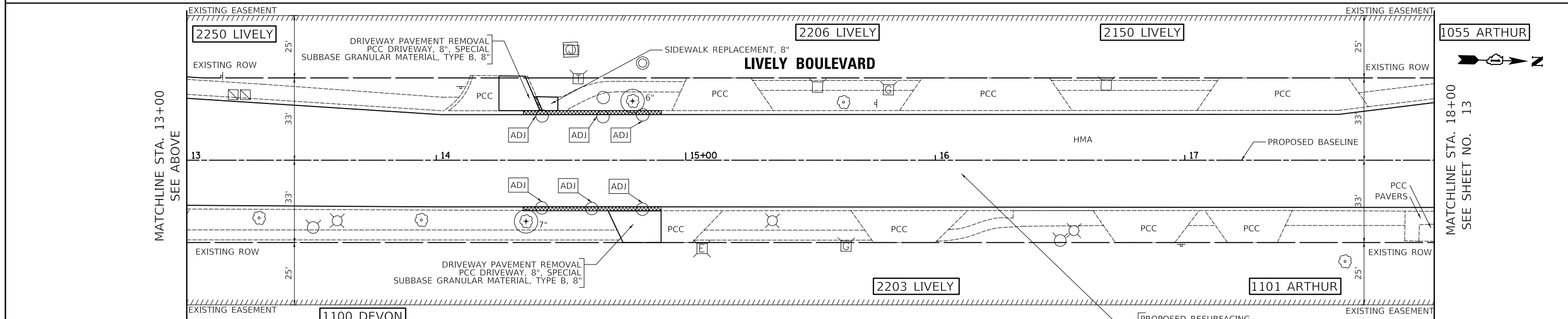
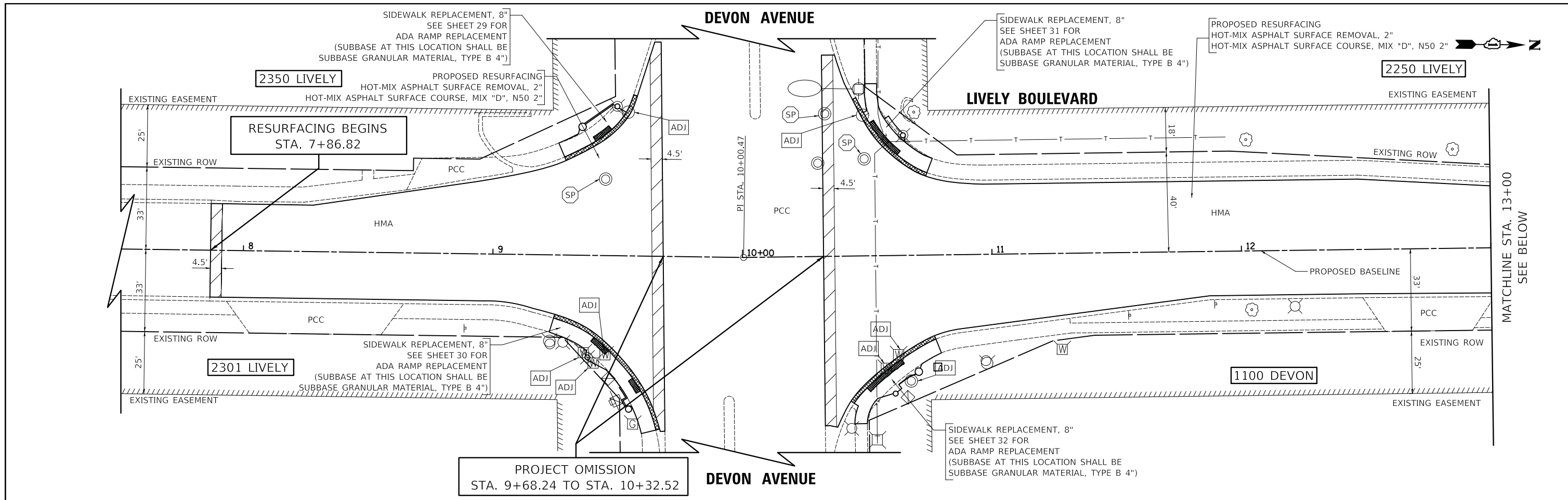
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	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ALIGNMENT AND BENCHMARKS**

SCALE: 1" = 100' SHEET 3 OF 3 SHEETS STA. 63+00 TO STA. 89+39.50

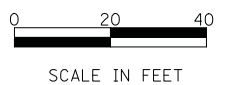
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	11
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- COMBINATION CURB AND GUTTER REMOVAL
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
SPECIAL - AT DRIVEWAY APRONS
MODIFIED - AT ALL OTHER LOCATIONS
- TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING
AS DIRECTED BY THE ENGINEER
- DRAINAGE & UTILITY STRUCTURE
TO BE ADJUSTED OR
VALVE BOXES TO BE ADJUSTED
- FRAMES AND LIDS TO BE
ADJUSTED (SPECIAL)
- SIDEWALK REPLACEMENT, 5" SHALL CONSIST OF THE FOLLOWING
-SIDEWALK REMOVAL
-PCC SIDEWALK 5 INCH, SPECIAL
-SUBBASE GRANULAR MATERIAL, TYPE B 2"
- SIDEWALK REPLACEMENT, 8" SHALL CONSIST OF THE FOLLOWING
-SIDEWALK REMOVAL
-PCC SIDEWALK 8 INCH, SPECIAL
-SUBBASE GRANULAR MATERIAL, TYPE B 2" (UNLESS OTHERWISE NOTED)

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"



MODEL: S:\MODEL\NAMES FILE NAME: 11/8/2018 11:33:57.dwg P:\blan.dwg

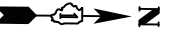
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DRAWN - JAB	REVISOR -	
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
RESURFACING PLAN**

SCALE: 1" = 20' SHEET 1 OF 13 SHEETS STA. 7+86.82 TO STA. 18+00

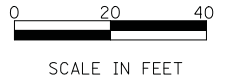
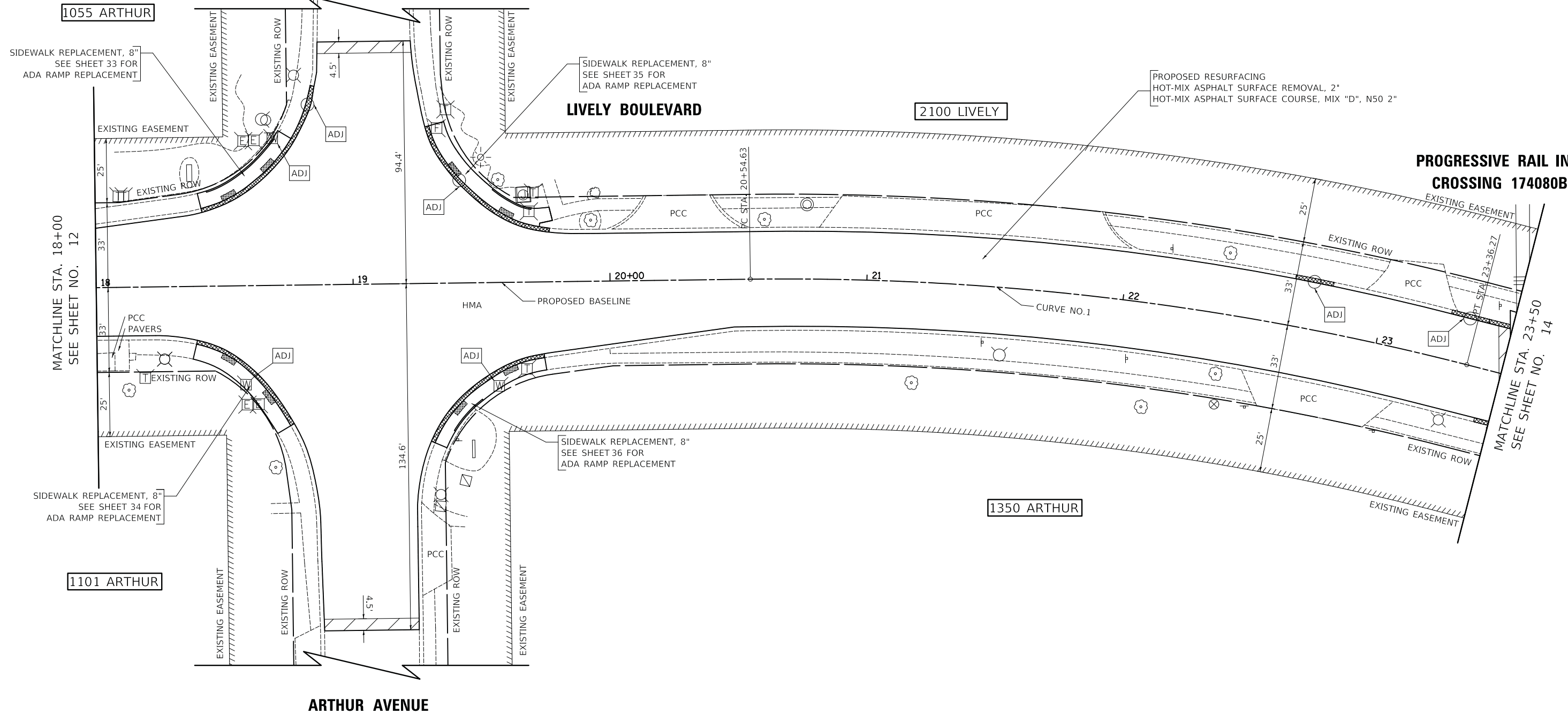
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	12
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



ARTHUR AVENUE

LIVELY BOULEVARD

**PROGRESSIVE RAIL INC.
CROSSING 174080B**



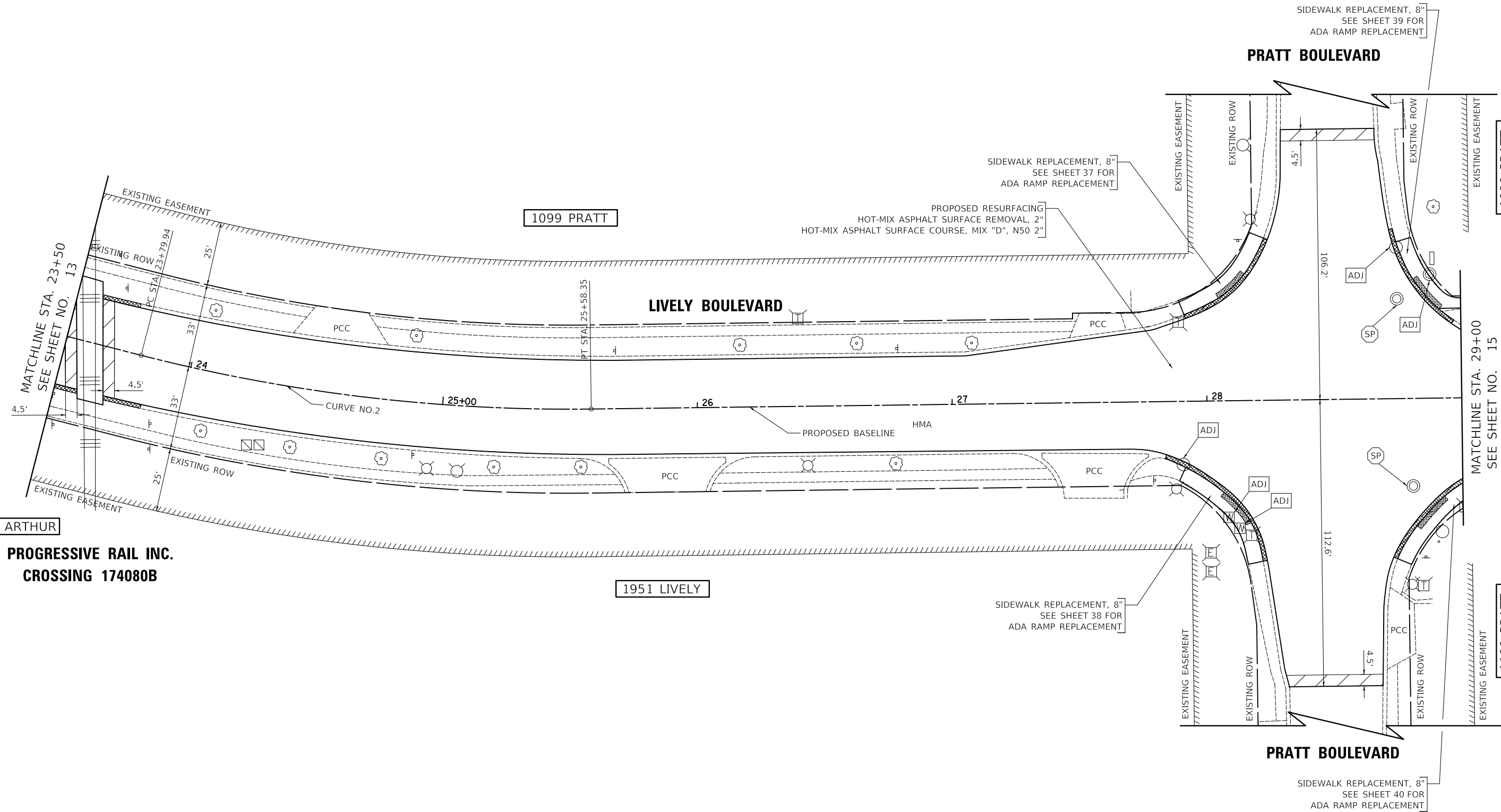
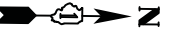
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIVELY BOULEVARD RESURFACING RESURFACING PLAN		
SCALE: 1" = 20'	SHEET 2 OF 13 SHEETS	STA. 18+00 TO STA. 23+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	13
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



1350 ARTHUR
PROGRESSIVE RAIL INC.
CROSSING 174080B

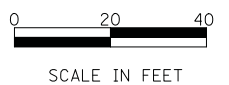
1099 PRATT

1951 LIVELY

1090 PRATT

MATCHLINE STA. 29+00
 SEE SHEET NO. 15

1100 PRATT



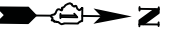
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DRAWN - JAB	REVISIONS -	
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LIVELY BOULEVARD RESURFACING RESURFACING PLAN		
SCALE: 1" = 20'	SHEET 3 OF 13 SHEETS	STA. 23+50 TO STA. 29+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	14
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



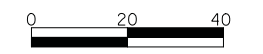
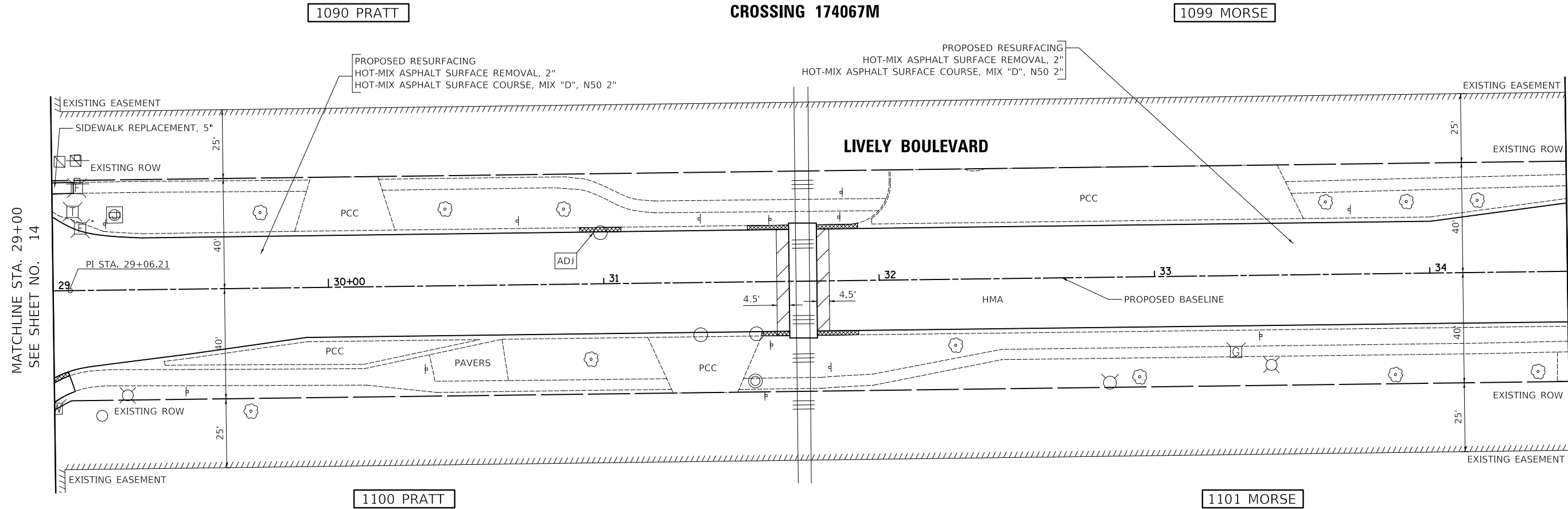
**PROGRESSIVE RAIL INC.
CROSSING 174067M**

1090 PRATT

1099 MORSE

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"



SCALE IN FEET

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FILE: 410001.dwg
DATE: 11/8/2018

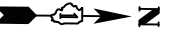
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	DRAWN - JAB	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
RESURFACING PLAN**

SCALE: 1" = 20' SHEET 4 OF 13 SHEETS STA. 29+00 TO STA. 34+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	15
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



MORSE AVENUE

PROGRESSIVE RAIL INC.
CROSSING 174069B

1099 MORSE

1099 LUNT

1050 MORSE

LIVELY BOULEVARD

MATCHLINE STA. 40+00
SEE SHEET NO. 17

MATCHLINE STA. 34+50
SEE SHEET NO. 15

1775 LIVELY

1101 LUNT

1101 MORSE

MORSE AVENUE

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"

SIDEWALK REPLACEMENT, 8"
SEE SHEET 41 FOR
ADA RAMP REPLACEMENT

SIDEWALK REPLACEMENT, 5"

SIDEWALK REPLACEMENT, 8"
SEE SHEET 43 FOR
ADA RAMP REPLACEMENT

SIDEWALK REPLACEMENT, 5"

SIDEWALK REPLACEMENT, 5"
SIDEWALK REPLACEMENT, 8"
SEE SHEET 42 FOR
ADA RAMP REPLACEMENT

SIDEWALK REPLACEMENT, 8"
SEE SHEET 44 FOR
ADA RAMP REPLACEMENT

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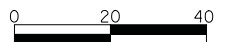
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DRAWN - JAB	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

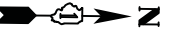
LIVELY BOULEVARD RESURFACING
RESURFACING PLAN

SCALE: 1" = 20' SHEET 5 OF 13 SHEETS STA. 34+50 TO STA. 40+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	16
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



SCALE IN FEET



LUNT AVENUE

1000 LUNT

1099 LUNT

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"

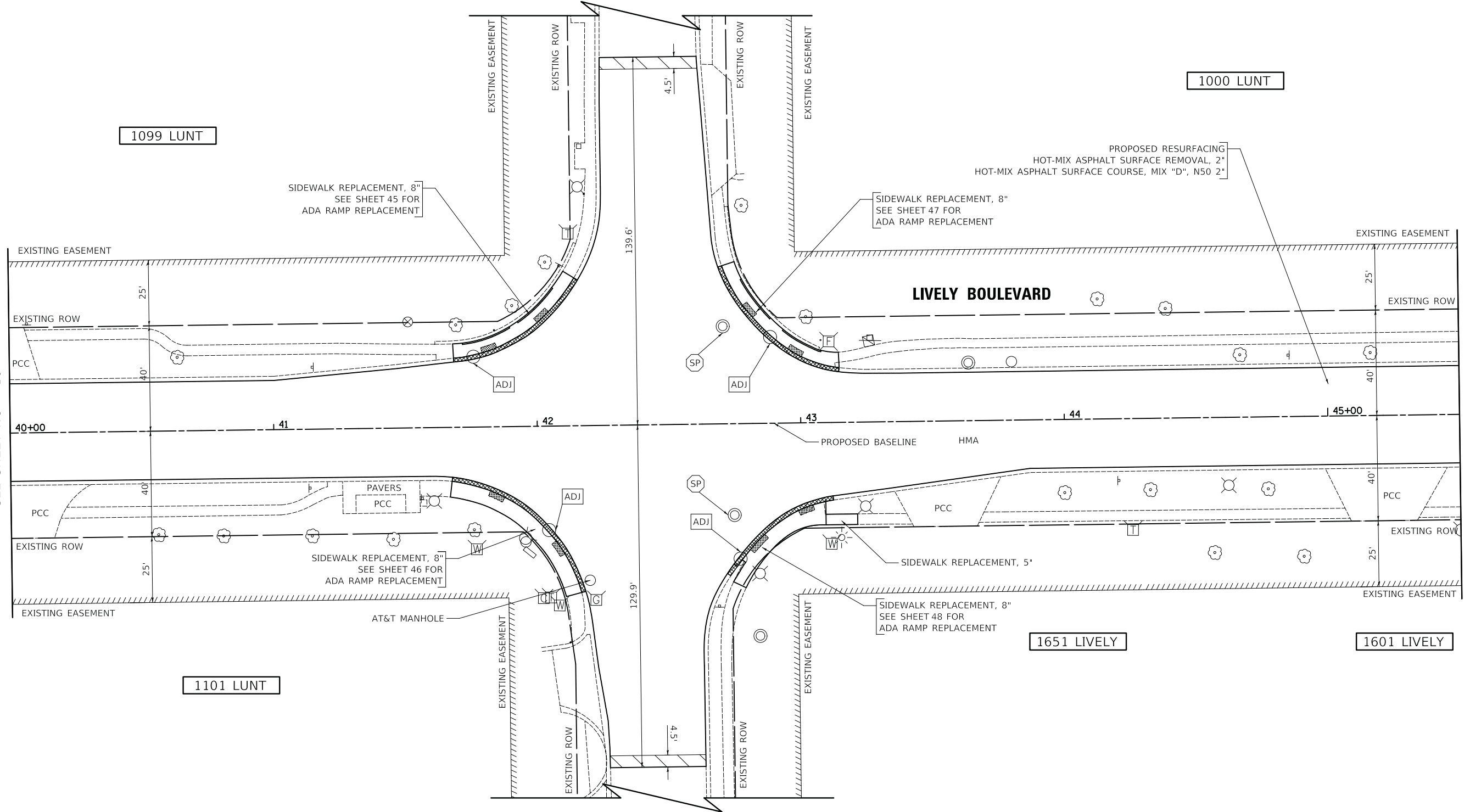
SIDEWALK REPLACEMENT, 8"
SEE SHEET 45 FOR
ADA RAMP REPLACEMENT

SIDEWALK REPLACEMENT, 8"
SEE SHEET 47 FOR
ADA RAMP REPLACEMENT

LIVELY BOULEVARD

MATCHLINE STA. 40+00
SEE SHEET NO. 16

MATCHLINE STA. 45+50
SEE SHEET NO. 18

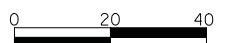


LUNT AVENUE

1101 LUNT

1651 LIVELY

1601 LIVELY



SCALE IN FEET

MODEL: 610068.DWG
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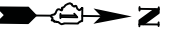
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	DRAWN - JAB	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING
RESURFACING PLAN

SCALE: 1" = 20' SHEET 6 OF 13 SHEETS STA. 40+00 TO STA. 45+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	17
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



**PROGRESSIVE RAIL INC.
CROSSING 174071C**

GREENLEAF AVENUE

1098 GREENLEAF

1000 LUNT

1099 GREENLEAF

LIVELY BOULEVARD

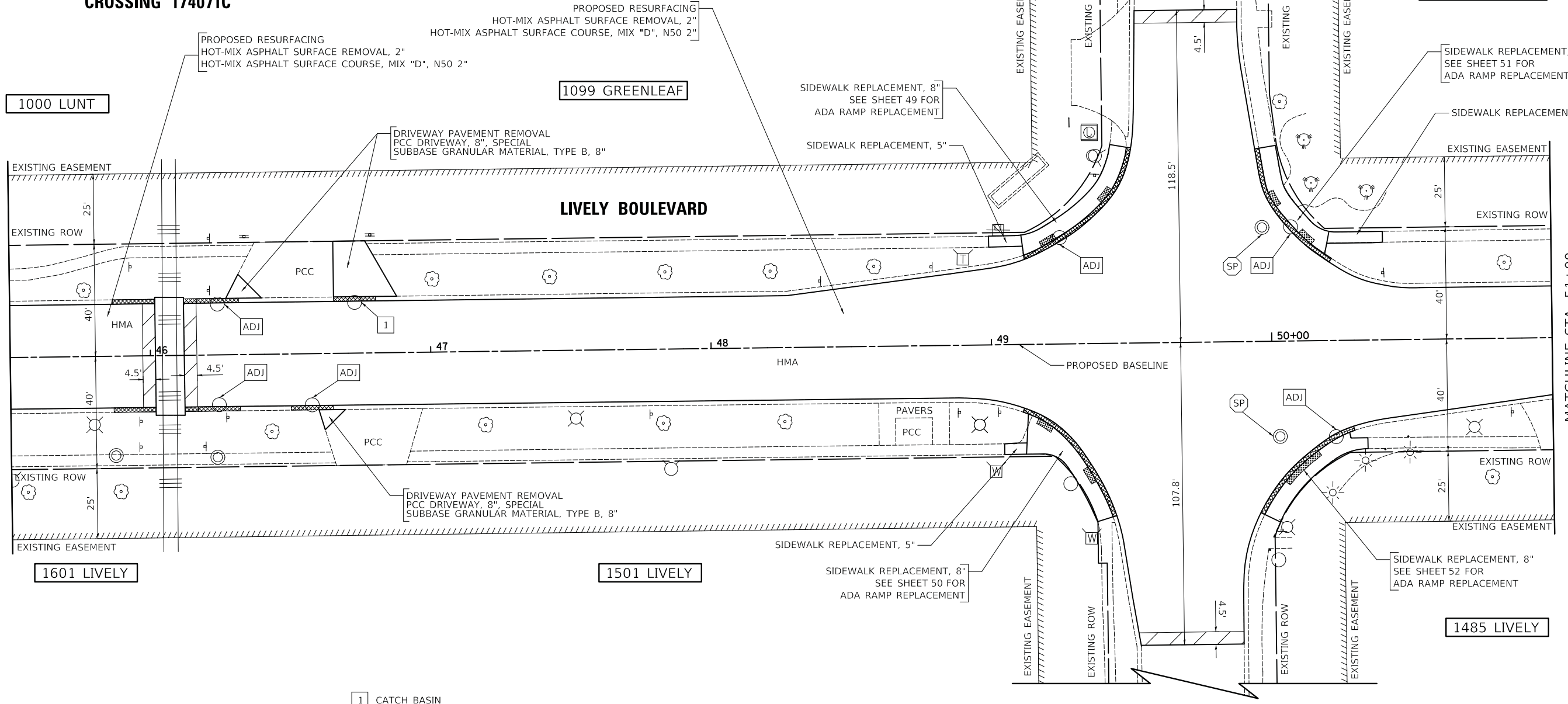
1485 LIVELY

1601 LIVELY

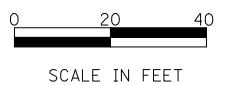
1501 LIVELY

MATCHLINE STA. 45+50
SEE SHEET NO. 17

MATCHLINE STA. 51+00
SEE SHEET NO. 19



1 CATCH BASIN
TO BE ADJUSTED
WITH SPECIAL
FRAME AND GRATE



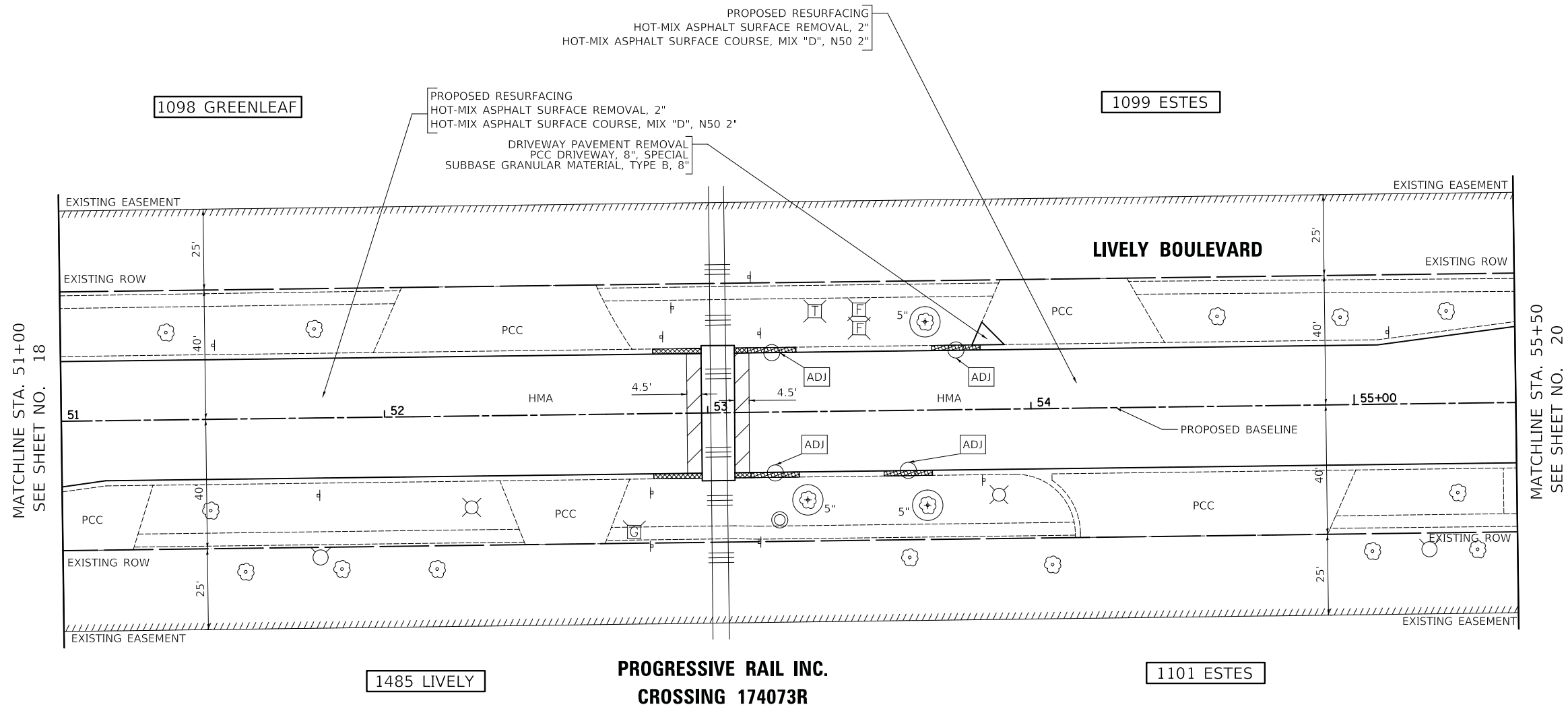
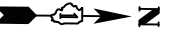
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PLOT DATE: 11/8/2018

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	DRAWN - JAB	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIVELY BOULEVARD RESURFACING RESURFACING PLAN	
SCALE: 1" = 20'	SHEET 7 OF 13 SHEETS
STA. 45+50	TO STA. 51+00

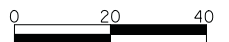
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	18
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 51+00
SEE SHEET NO. 18

MATCHLINE STA. 55+50
SEE SHEET NO. 20

MODEL: 610068-00-RS
FILE NAME: 610068-00-RS.dwg



SCALE IN FEET

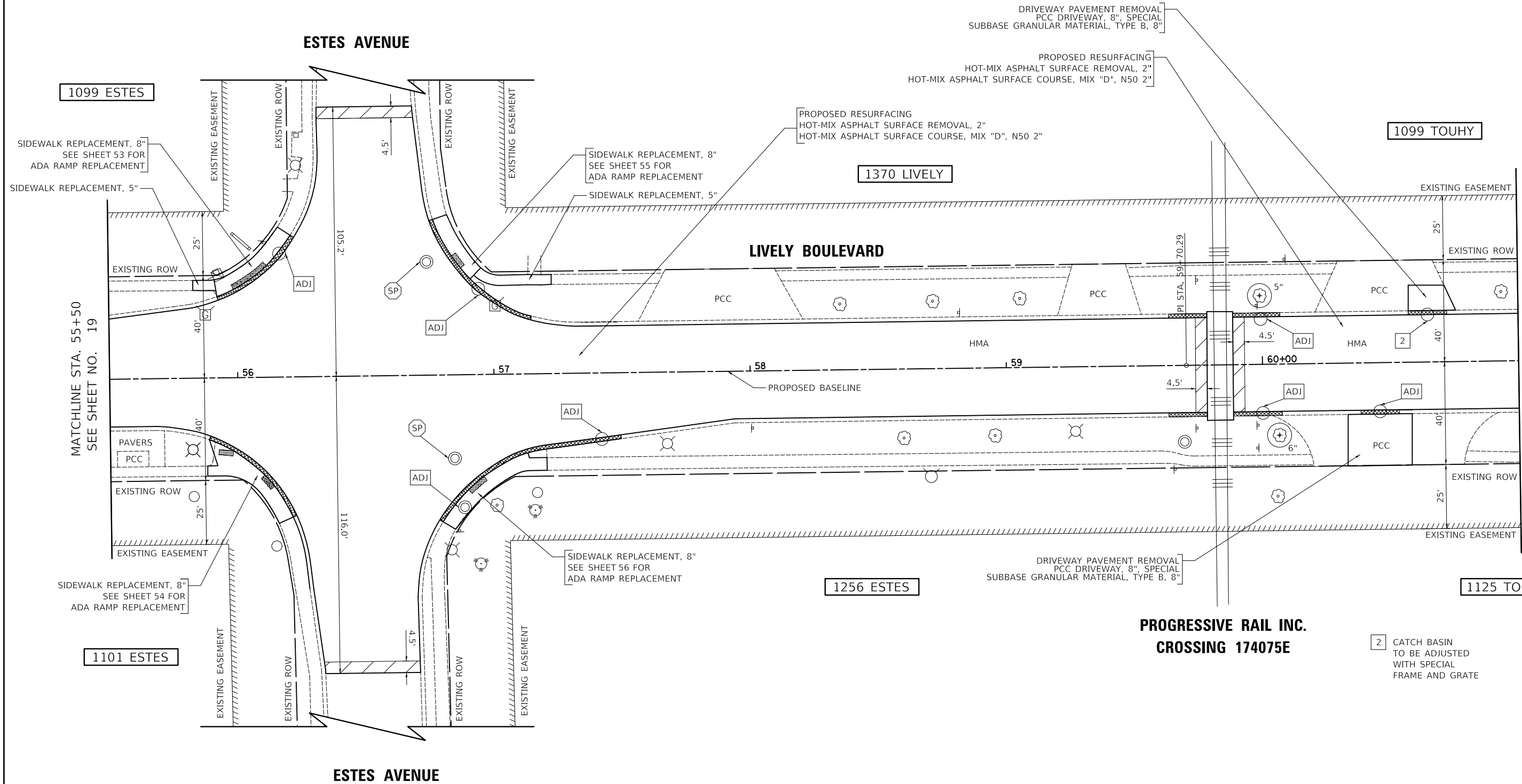
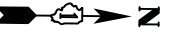
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PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
RESURFACING PLAN**

SCALE: 1" = 20' SHEET 8 OF 13 SHEETS STA. 51+00 TO STA. 55+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	19
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

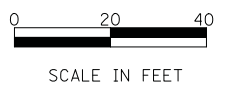


MATCHLINE STA. 55+50
SEE SHEET NO. 19

MATCHLINE STA. 61+00
SEE SHEET NO. 21

**PROGRESSIVE RAIL INC.
CROSSING 174075E**

2 CATCH BASIN
TO BE ADJUSTED
WITH SPECIAL
FRAME AND GRATE



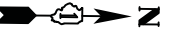
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIVELY BOULEVARD RESURFACING RESURFACING PLAN		
SCALE: 1" = 20'	SHEET 9 OF 13 SHEETS	STA. 55+50 TO STA. 61+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	20
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



TOUHY AVENUE

1099 TOUHY

SIDEWALK REPLACEMENT, 8"
SEE SHEET 57 FOR
ADA RAMP REPLACEMENT

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"

1098 TOUHY

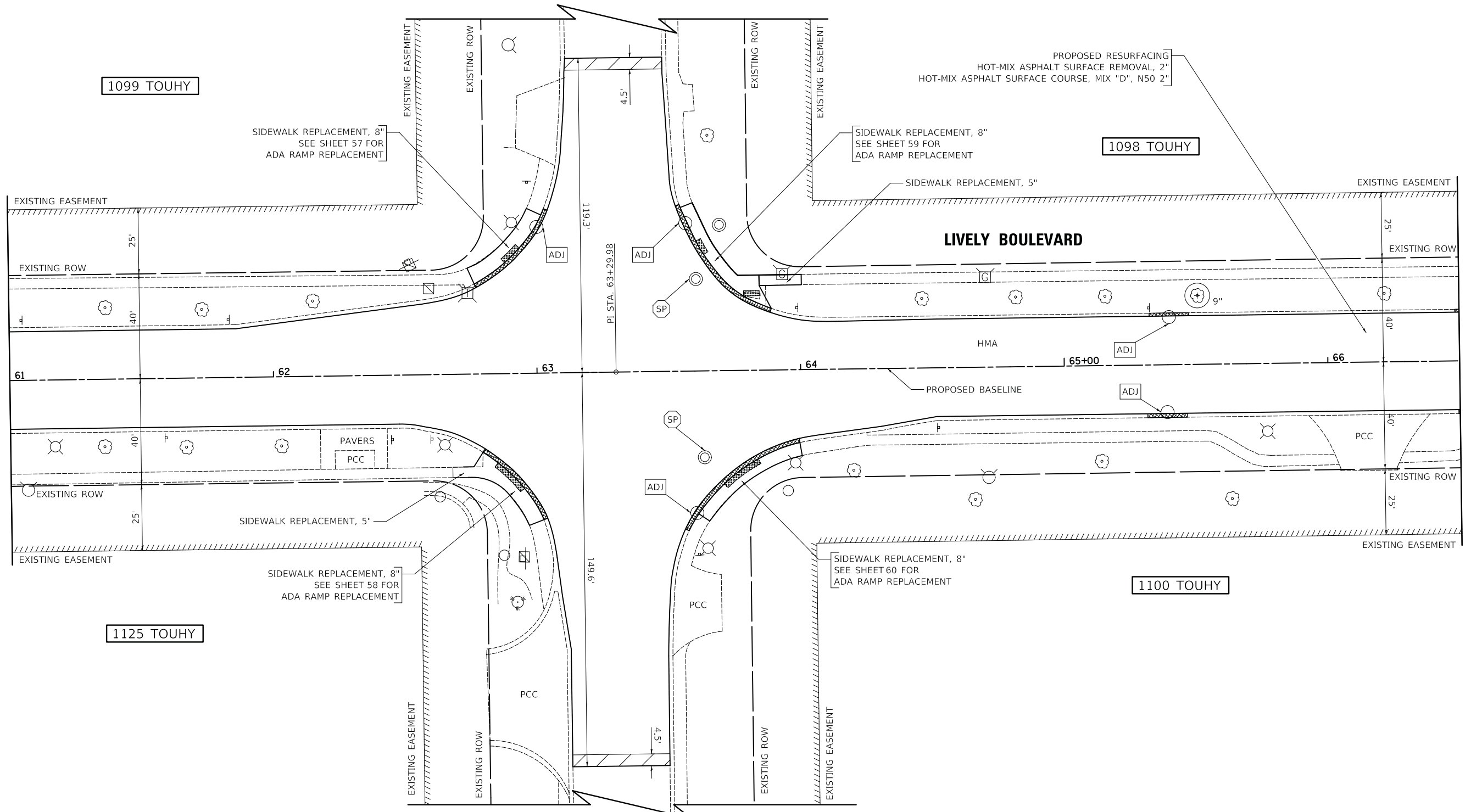
SIDEWALK REPLACEMENT, 8"
SEE SHEET 59 FOR
ADA RAMP REPLACEMENT

SIDEWALK REPLACEMENT, 5"

LIVELY BOULEVARD

MATCHLINE STA. 61+00
SEE SHEET NO. 20

MATCHLINE STA. 66+50
SEE SHEET NO. 22



1125 TOUHY

SIDEWALK REPLACEMENT, 8"
SEE SHEET 58 FOR
ADA RAMP REPLACEMENT

SIDEWALK REPLACEMENT, 8"
SEE SHEET 60 FOR
ADA RAMP REPLACEMENT

1100 TOUHY

TOUHY AVENUE



SCALE IN FEET

MODEL: 41001.DWG
FILE: 41001.dwg

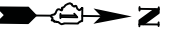
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING
RESURFACING PLAN

SCALE: 1" = 20' SHEET 10 OF 13 SHEETS STA. 61+00 TO STA. 66+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	21
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



**PROGRESSIVE RAIL INC.
CROSSING 174077T**

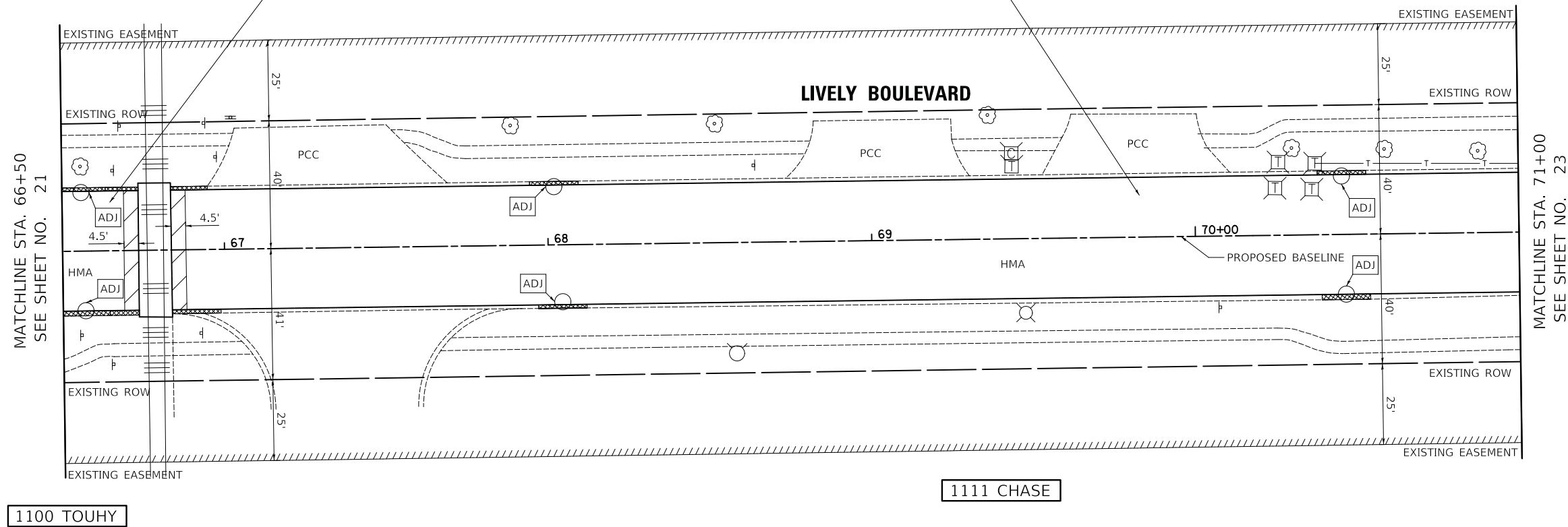
PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"

PROPOSED RESURFACING
HOT-MIX ASPHALT SURFACE REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"

1098 TOUHY

1150 LIVELY

1065 CHASE

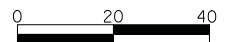


MATCHLINE STA. 66+50
SEE SHEET NO. 21

MATCHLINE STA. 71+00
SEE SHEET NO. 23

1100 TOUHY

1111 CHASE



SCALE IN FEET

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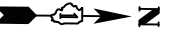
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PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
RESURFACING PLAN**

SCALE: 1" = 20' SHEET 11 OF 13 SHEETS STA. 66+50 TO STA. 71+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	22
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



1065 CHASE

CHASE AVENUE

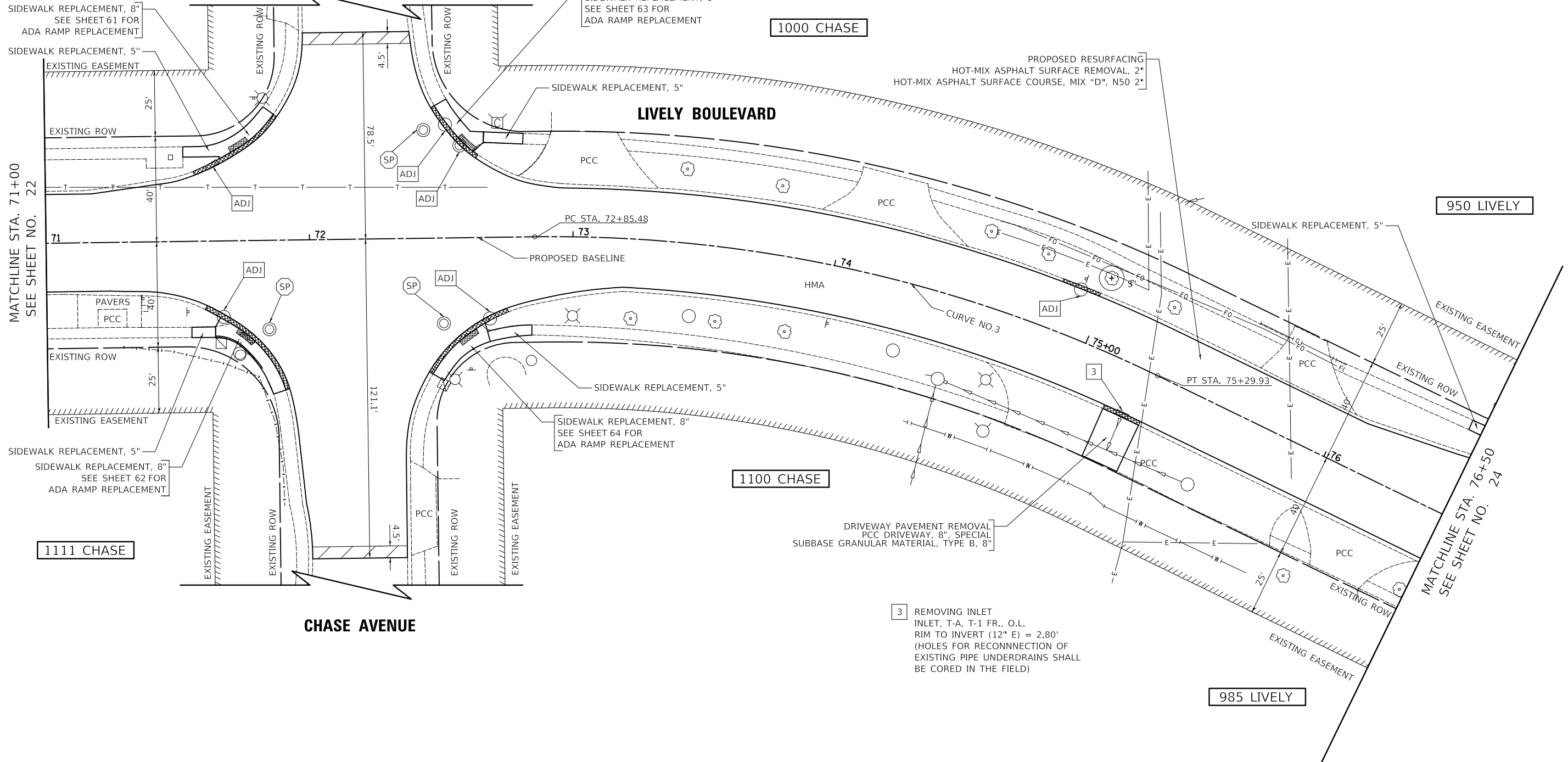
1000 CHASE

950 LIVELY

1100 CHASE

1111 CHASE

985 LIVELY



3 REMOVING INLET
 INLET, T-A, T-1 FR., O.L.
 RIM TO INVERT (12" E) = 2.80'
 (HOLES FOR RECONNECTION OF
 EXISTING PIPE UNDERDRAINS SHALL
 BE CORED IN THE FIELD)



SCALE IN FEET

MODEL: S:\MODEL\NAMES
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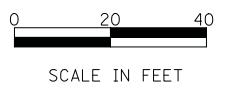
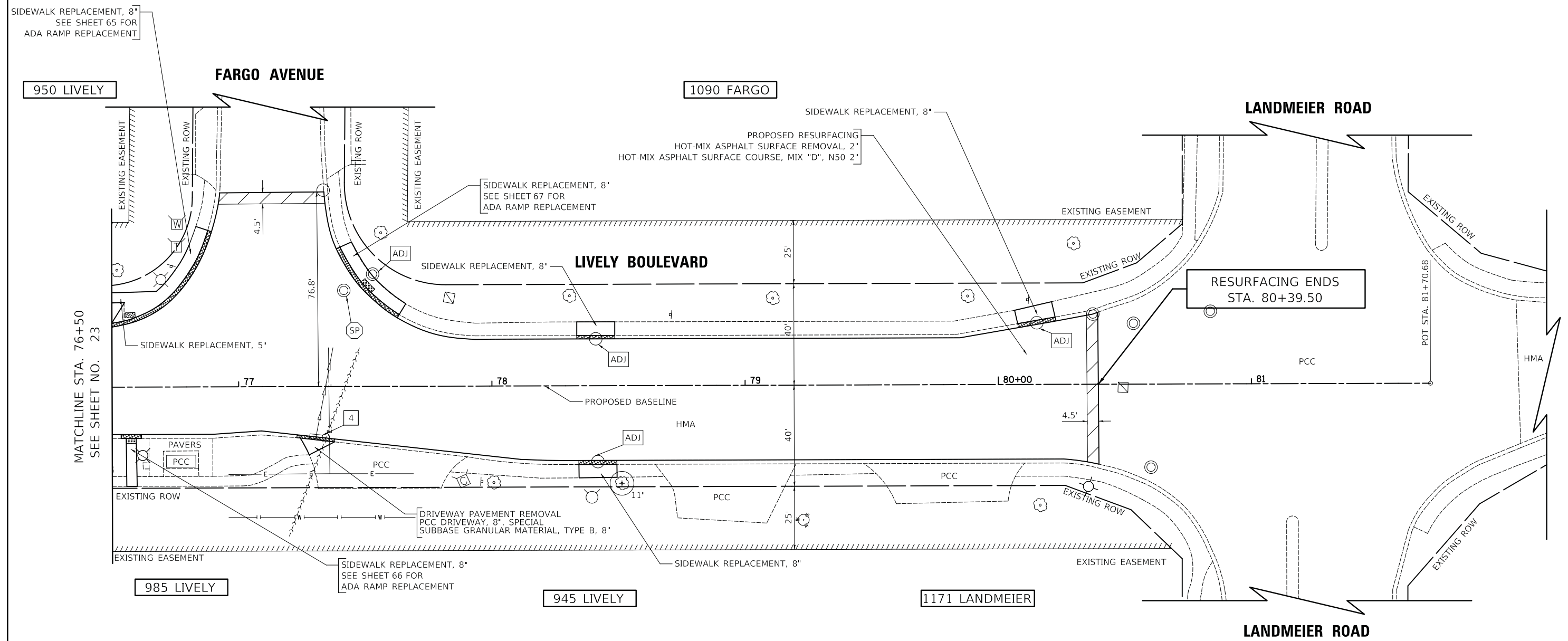
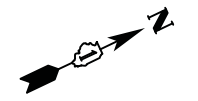
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	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING
RESURFACING PLAN

SCALE: 1" = 20' SHEET 12 OF 13 SHEETS STA. 71+00 TO STA. 76+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	23
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



MODEL: 41001ELNAMES
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DRAWN - JAB	REVISED -	
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING
RESURFACING PLAN

SCALE: 1" = 20' SHEET 13 OF 13 SHEETS STA. 76+50 TO STA. 80+39.50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	24
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)-705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
2. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
3. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
4. ALL CONSTRUCTION WARNING SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.
6. ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND, UNLESS OTHERWISE NOTED. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.
6. DRUMS WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE BARRICADES SHALL BE NON-METALLIC DRUMS. SPACING SHALL BE AS SHOWN ON THE HIGHWAY STANDARDS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
7. DRUMS EQUIPPED WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER OR LAW ENFORCEMENT AGENCIES. BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 20' CENTERS ALONG TAPERS, AND 10' CENTERS IN CURVES AND RADII.
8. DRUMS AND BARRICADES SHALL MEET THE REQUIREMENTS OF THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350 AND THE STANDARD SPECIFICATIONS.
9. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
10. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE.
11. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED. ANY DAMAGE CAUSED BY THIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT THE EXPENSE OF THE CONTRACTOR.
12. THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.
13. EXISTING TRAFFIC CONTROL DEVICES ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE CAUSED BY HIS/HER WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
14. ALL ROADS SHALL BE KEPT OPEN TO TRAFFIC DURING THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR MAY CLOSE ONE LANE OF TRAFFIC (DUE TO CONSTRUCTION) ONLY BETWEEN THE HOURS OF 7:00 AM AND 7:00 PM. ALL LANES OF TRAFFIC SHALL BE OPEN BETWEEN THE HOURS OF 7:00 PM AND 7:00 AM.
15. W21-1(O) "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.
16. "FRESH OIL" SIGNS (W21-2(O)-4848) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO PRIMING. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION PAY ITEM BEING USED AT THE TIME THE SIGNS ARE REQUIRED.
17. FLASHING ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES, AND SHALL BE INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION PAY ITEM BEING USED AT THE TIME THE SIGNS ARE REQUIRED.
18. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, DRUMS, WARNING LIGHTS, AND SIGNS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

SIDEWALK MAINTENANCE NOTE

1. THE SIDEWALK ON ONE SIDE OF THE STREET MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES. CONSTRUCTION STAGING SHALL BE COORDINATED WITH THE ENGINEER AND CONTRACTOR TO ENSURE ONE SIDEWALK REMAINS OPEN. SIGNING DIRECTING PEDESTRIANS TO THE OPEN SIDEWALK SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701801. THE WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, STANDARD 701801".
2. AT EACH INTERSECTION, REPLACEMENT OF THE CURB AND GUTTER, ADA RAMP, AND SIDEWALK SHALL ONLY BE ALLOWED AT ONE CORNER AT A TIME. THE MAXIMUM LENGTH OF CLOSURE OF THE SIDEWALK AT THE CORNER SHALL BE 7 CALENDAR DAYS.
3. WHEN DIRECTED BY THE ENGINEER, THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE USED TO FILL IN THE GAP BETWEEN THE REPLACED CURB AND GUTTER AND THE EXISTING PAVEMENT PRIOR TO MILLING OF THE EXISTING SURFACE.

CONSTRUCTION REQUIREMENTS

1. ALL WORK SHALL BE IN ACCORDANCE WITH IDOT'S SAFETY ENGINEERING POLICY MEMORANDUM, SAFETY 4-15, INCLUDING THE REQUIREMENT FOR USE OF TEMPORARY OR MILLED SLOPE EDGES (MIN OF 1:3). THIS MAY REQUIRE ADDITIONAL PASSES OF THE MILLING MACHINE OR THE USE OF A SECONDARY, SMALLER MILLING MACHINE TO CREATE THE REQUIRED EDGE. THE COST TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "HOT-MIX ASPHALT SURFACE REMOVAL" OF THE THICKNESS SPECIFIED.
2. "UNEVEN LANE" SIGNS (W8-1(O)-4848) SHALL BE PLACED AT THE INTERVALS REQUIRED BY THE ENGINEER WHEN TRAFFIC IS ADJACENT TO THE MILLED SURFACE. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION PAY ITEM BEING USED AT THE TIME THE SIGNS ARE REQUIRED.

COOK COUNTY NOTES – APPLIES TO WORK WITHIN DEVON AVENUE R.O.W. AND LANDMEIER ROAD R.O.W.

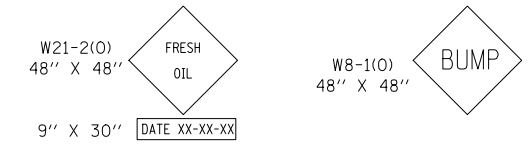
1. DURING CONSTRUCTION, NO PERMANENT LANE CLOSURES SHALL BE ALLOWED ON DEVON AVENUE AND LANDMEIER ROAD.
2. ANY SHORT TERM ACTIVITY THAT REQUIRES ENCROACHMENT TO THE LANE OPEN FOR TRAFFIC SHALL BE RESTRICTED TO WITHIN THE HOURS OF 9:00 AM TO 3:00 PM BY FOLLOWING IDOT TRAFFIC CONTROL STANDARDS.
3. THE REINSTALLATION OF PERMANENT PAVEMENT MARKING ALONG DEVON AVENUE SHALL BE THE SAME AS EXISTING WITHOUT ANY CHANGE.

CONSTRUCTION SEQUENCE

THIS CONSTRUCTION SEQUENCE WAS DEVELOPED TO MINIMIZE IMPACTS TO PROPERTY OWNERS AND TO PROVIDE AN ADEQUATE METHOD OF INSPECTING THE CONDITION OF THE PAVEMENT BASE AND CURB AND GUTTER. THIS CONSTRUCTION SEQUENCE SHALL BE FOLLOWED UNLESS AN ALTERNATE SEQUENCE IS APPROVED BY THE ENGINEER.

1. SET UP APPLICABLE TRAFFIC CONTROL MEASURES USING IDOT HIGHWAY STANDARDS AND DISTRICT ONE DETAILS PROVIDED IN THE PLANS. DAILY LANE CLOSURES SHALL BE USED FOR ALL WORK DEPICTED IN THESE PLANS. PERMANENT LANE CLOSURES SHALL NOT BE ALLOWED UNLESS SHOWN ON THE PLANS OR OTHERWISE APPROVED BY THE ENGINEER.
2. SET UP EROSION AND SEDIMENT CONTROL MEASURES / TREE PRUNING.
3. REMOVE AND REPLACE CURB AND GUTTER AND ADJUST DRAINAGE STRUCTURES AS DETERMINED BY THE ENGINEER.
4. INSTALL SIDEWALK AND DETECTABLE WARNINGS.
5. LANDSCAPE RESTORATION.
6. THE ENGINEER SHALL INSPECT THE CONDITION OF THE PAVEMENT AND MARK THE AREAS REQUIRING PAVEMENT PATCHING. UNDER NO CONDITION SHALL THE CONTRACTOR PROCEED WITH THIS WORK WITHOUT PRIOR CONSENT FROM THE ENGINEER. PERFORM PAVEMENT PATCHING.
7. REMOVE HOT-MIX ASPHALT PAVEMENT SURFACE AND PLACE LONGITUDINAL JOINT SEALANT.
8. INSTALL HMA SURFACE.
9. INSTALL PERMANENT PAVEMENT MARKINGS AND SIGNING.
10. REMOVE EROSION CONTROL AND TRAFFIC CONTROL.

CONSTRUCTION SIGNS



THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER. W21-2(O) SHALL BE PLACED 48 HOURS PRIOR TO PRIMING. THE COST SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

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DRAWN - JAB	REVISED -	1700			18-00068-00-R5	COOK	89	25	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -			CONTRACT NO. 61F24				
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -			ILLINOIS FED. AID PROJECT				
					SHEET 1 OF 1 SHEETS				

NOTES:

1) SIGNS ARE SHOWN FOR REFERENCE ONLY. ALL SIGNS AND POSTS SHALL REMAIN UNLESS OTHERWISE NOTED.

2) PAVEMENT MARKINGS ON CONCRETE PAVEMENT SHALL BE PAINT. ALL OTHER PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.

3) DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.

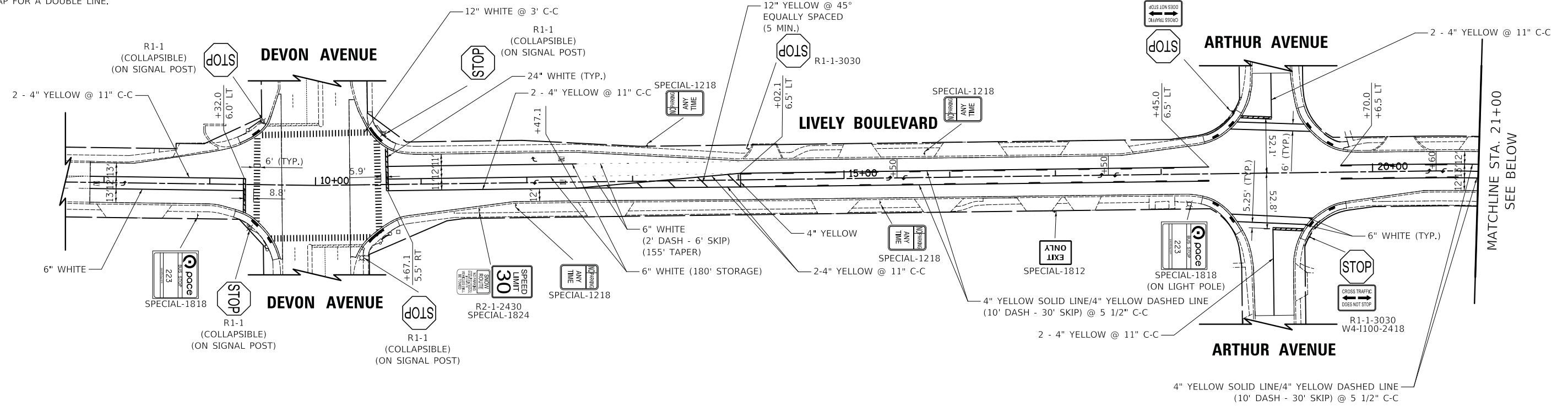
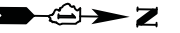
4) SEE IDOT STANDARD DETAIL TC-13 FOR ADDITIONAL INFORMATION.

5) ANY SIGNS OR SUPPORTS SHOWN TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE CONTRACT. THIS SHALL INCLUDE REPLACING THE SIGN OR SUPPORT WITH THE SAME DECORATIVE MATERIALS AS CURRENTLY EXISTS.

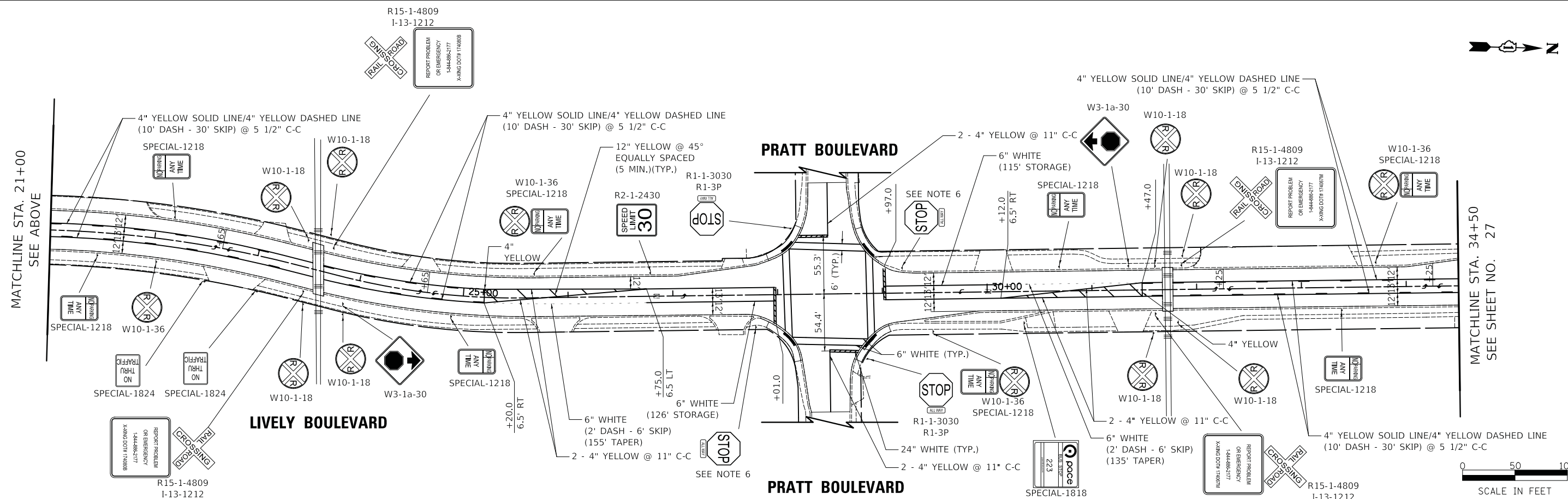
6) REMOVE EXISTING R1-1-30 AND R1-3P-1806 SIGN PANELS AT THE LOCATIONS NOTED. INSTALL NEW R1-1-36 SIGN PANEL AND REINSTALL EXISTING R1-3P-1806 SIGN PANEL ON EXISTING POSTS.

7) THE CONTRACTOR SHALL INSTALL 2" WIDE REFLECTIVE TAPE STRIPS ON THE BACK OF EXISTING R15-1 SIGN PANELS.

8) THE CONTRACTOR SHALL INSTALL REFLECTIVE SIGN SUPPORT COVERS ON THE FRONT AND BACK OF EXISTING R15-1 SIGN SUPPORTS.



MATCHLINE STA. 21+00
SEE BELOW



MATCHLINE STA. 21+00
SEE ABOVE

MATCHLINE STA. 34+50
SEE SHEET NO. 27



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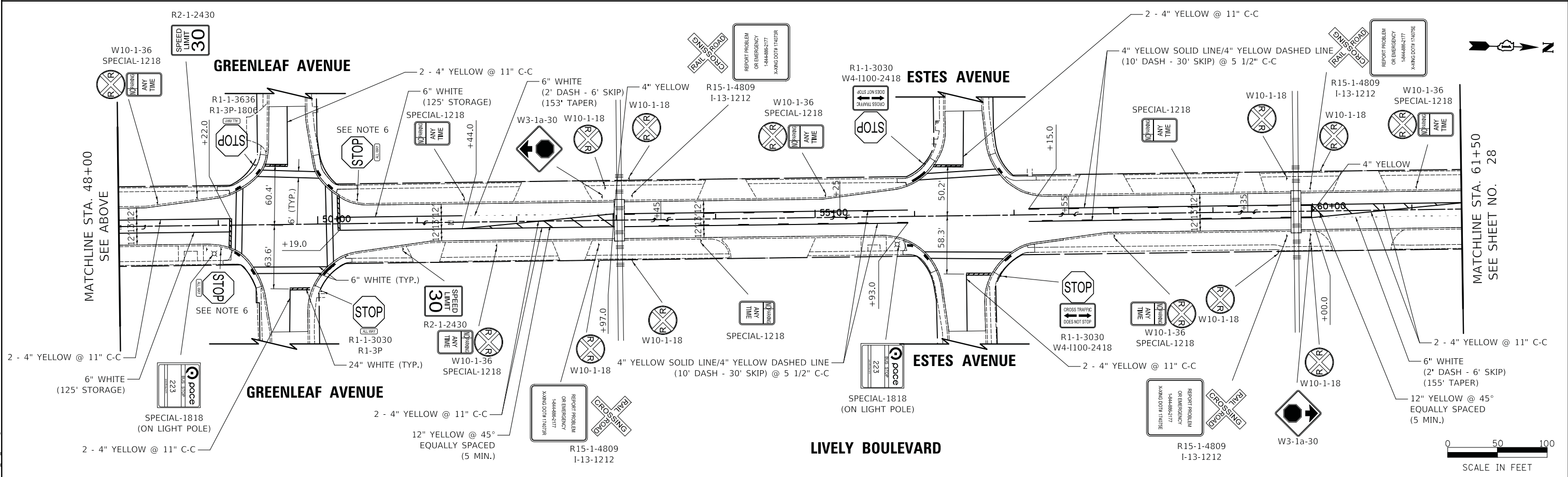
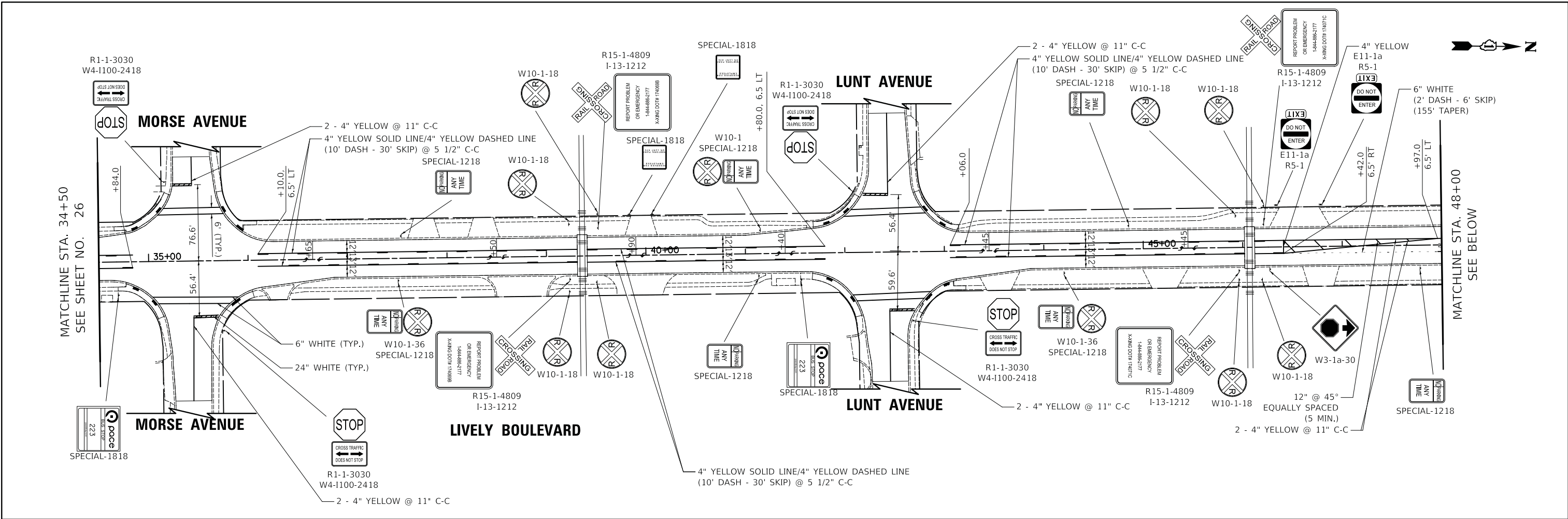
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PLOT DATE = 11/8/2018	CHECKED - DJK	REVISED -
	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
SIGNING AND STRIPING PLAN**

SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA. 7+50 TO STA. 34+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	26
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



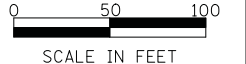
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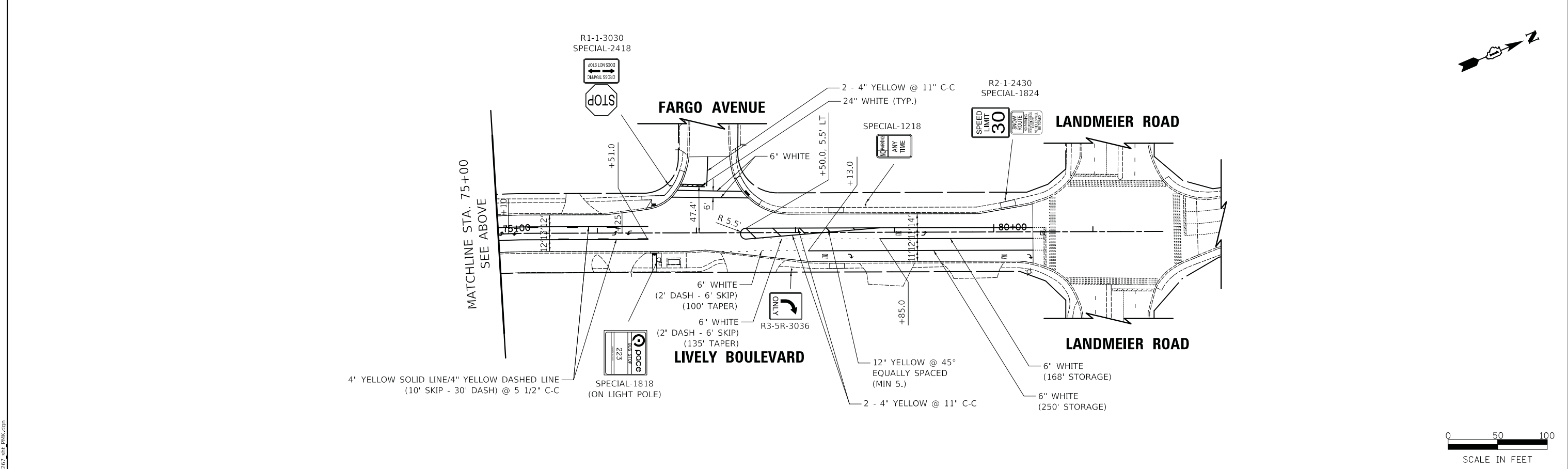
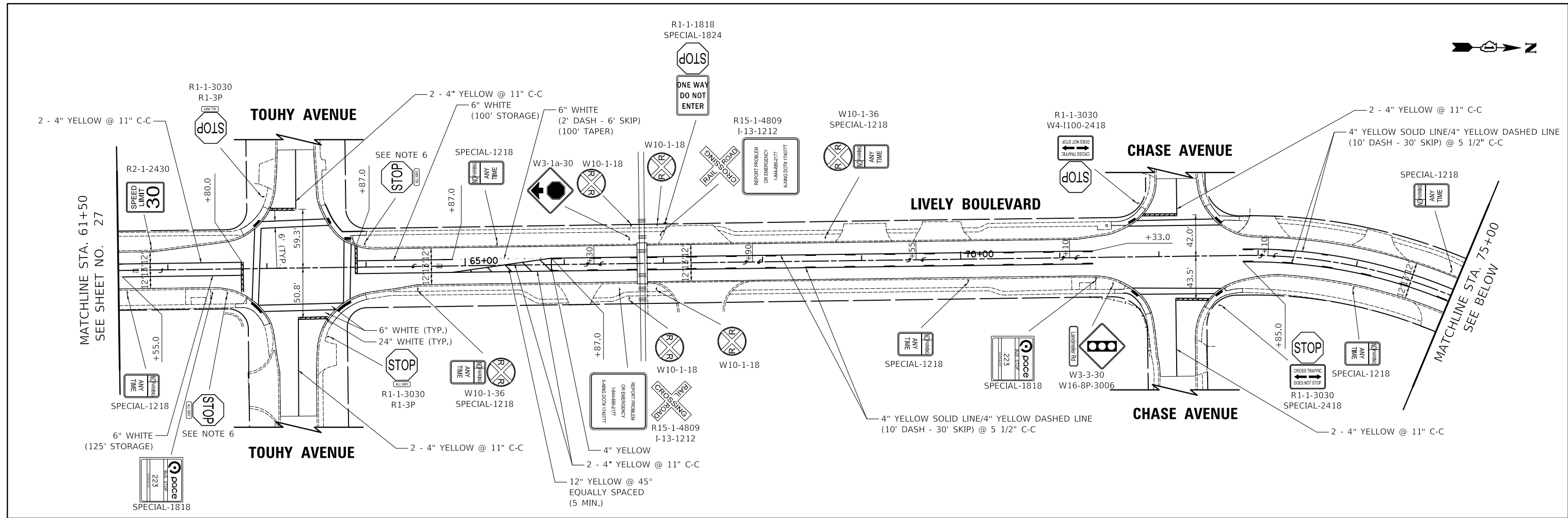
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PLOT DATE = 11/8/2018	CHECKED - DJK	REVISED -
	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING SIGNING AND STRIPING PLAN		
SCALE: 1" = 50'	SHEET 2 OF 3 SHEETS	STA. 34+50 TO STA. 61+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	27
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				





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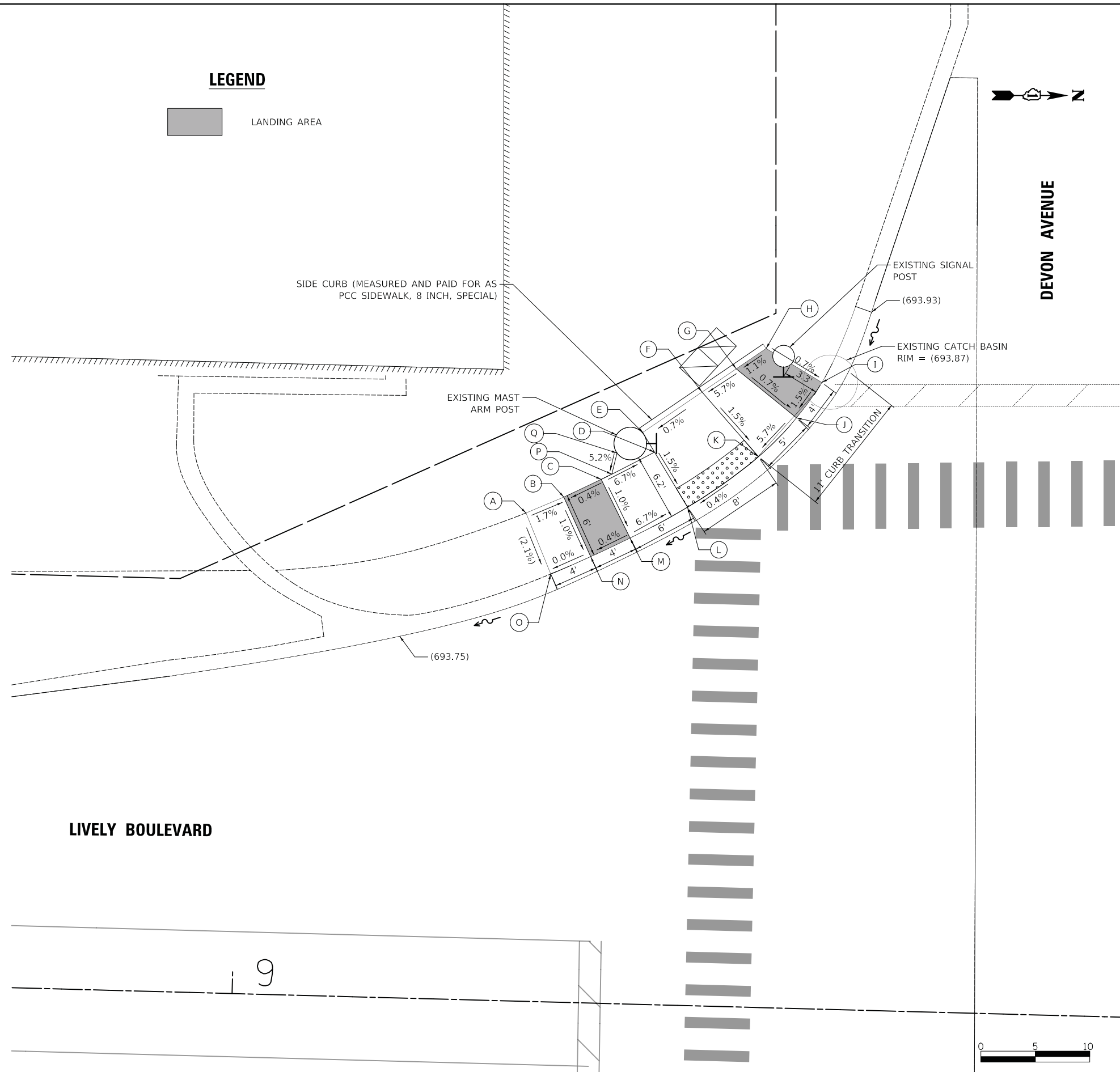
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING SIGNING AND STRIPING PLAN		
SCALE: 1" = 50'	SHEET 3 OF 3 SHEETS	STA. 75+00 TO STA. 80+39.50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	28
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION	ADJACENT FLOW LINE ELEV	ADJACENT EOP ELEV
A	9+25.81	44.86' LT	(694.34)		
B	9+29.25	46.41' LT	694.28		
C	9+32.64	48.13' LT	694.29		
D	9+37.47	50.77' LT	693.92		
E	9+36.34	52.54' LT	693.95		
F	9+41.69	56.40' LT	694.00		
G	9+44.77	58.62' LT	694.22		
H	9+47.46	60.56' LT	694.27		
I	9+52.66	57.57' LT	694.21		(693.90)
J	9+50.41	54.26' LT	694.17		(693.91)
K	9+47.02	50.60' LT	693.88	693.84	(693.89)
L	9+40.64	45.80' LT	693.83	693.79	(693.84)
M	9+35.43	42.82' LT	694.23		(693.79)
N	9+31.86	41.01' LT	694.22		(693.78)
O	9+28.24	39.32' LT	(694.22)		(693.78)
P	9+33.60	48.64' LT	694.24		
Q	9+34.03	50.59' LT	694.34		



LIVELY BOULEVARD

DEVON AVENUE

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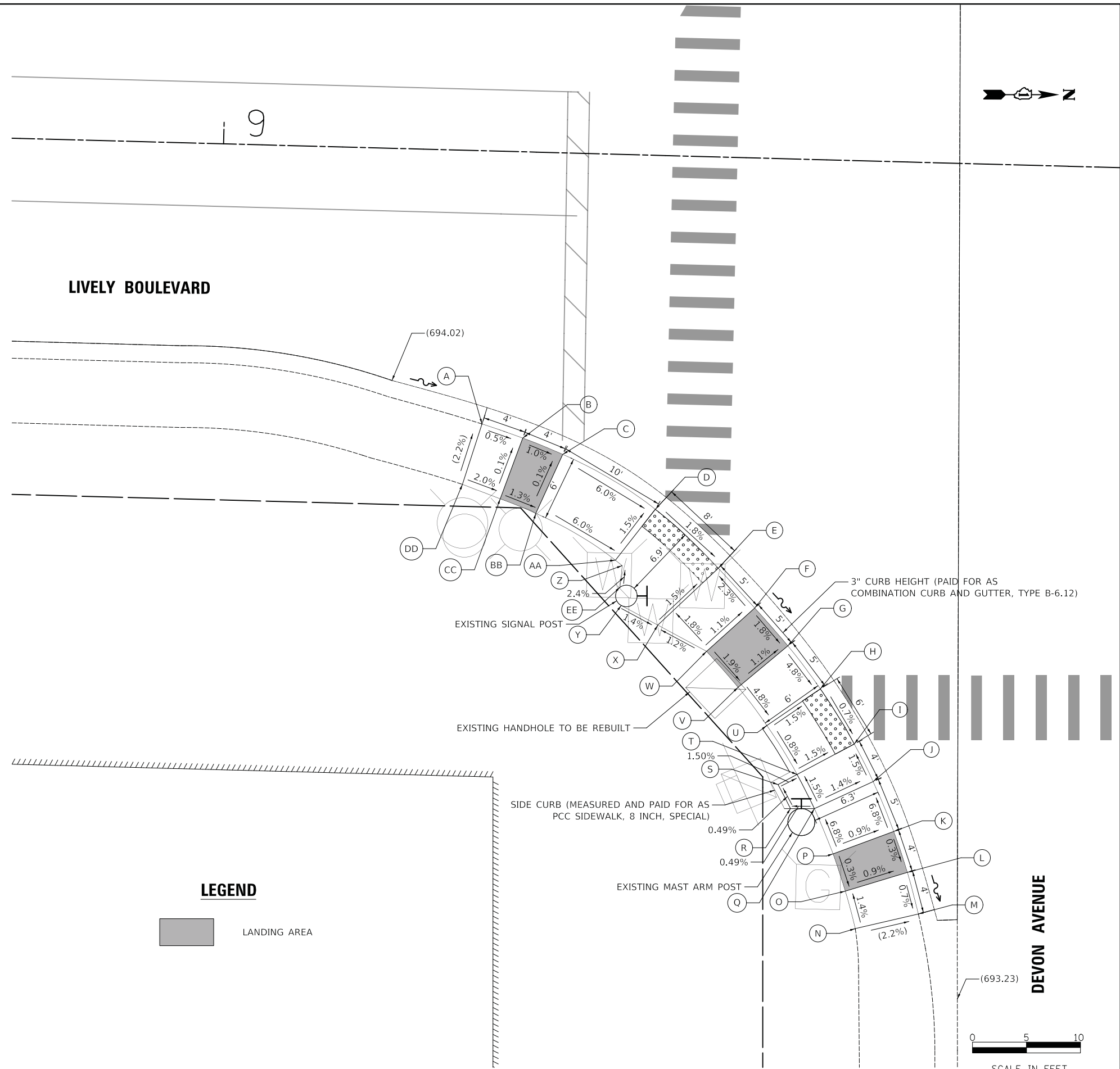
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING ADA GRADING	
SCALE: 1" = 5'	SHEET 1 OF 39 SHEETS STA. TO STA.

F.A.U. RTE. 1700	SECTION 18-00068-00-RS	COUNTY COOK	TOTAL SHEETS 89	SHEET NO. 29
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION	ADJACENT FLOW LINE ELEV	ADJACENT EOP ELEV
A	9+24.62	25.32' RT	(694.36)		(693.93)
B	9+28.44	26.53' RT	694.33		(693.90)
C	9+32.18	27.94' RT	694.29		(693.85)
D	9+40.89	32.80' RT	693.69	693.65	(693.70)
E	9+46.86	38.10' RT	693.55	693.51	(693.56)
F	9+50.34	41.70' RT	693.66		(693.48)
G	9+53.50	45.12' RT	693.58		(693.39)
H	9+56.61	49.03' RT	693.34	693.30	(693.35)
I	9+59.89	54.05' RT	693.30	693.26	(693.31)
J	9+61.74	57.49' RT	693.36		(693.29)
K	9+63.76	62.06' RT	693.70		(693.26)
L	9+65.12	65.82' RT	693.69		(693.25)
M	9+66.24	69.64' RT	(693.66)		(693.24)
N	9+60.44	71.15' RT	(693.79)		
O	9+59.43	67.71' RT	693.74		
P	9+58.20	64.29' RT	693.75		
Q	9+56.36	60.14' RT	693.45		
R	9+54.14	60.19' RT	693.43		
S	9+52.93	58.00' RT	693.42		
T	9+54.67	57.01' RT	693.39		
U	9+51.72	52.51' RT	693.43		
V	9+48.99	49.08' RT	693.65		
W	9+45.98	45.83' RT	693.73		
X	9+41.40	43.52' RT	693.67		
Y	9+37.97	41.79' RT	693.72		
Z	9+37.95	38.10' RT	693.76		
AA	9+37.32	37.61' RT	693.78		
BB	9+29.83	33.47' RT	694.29		
CC	9+26.50	32.21' RT	694.34		
DD	9+22.96	30.96' RT	(694.48)		
EE	9+37.82	40.09' RT	693.81		



LEGEND

 LANDING AREA

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

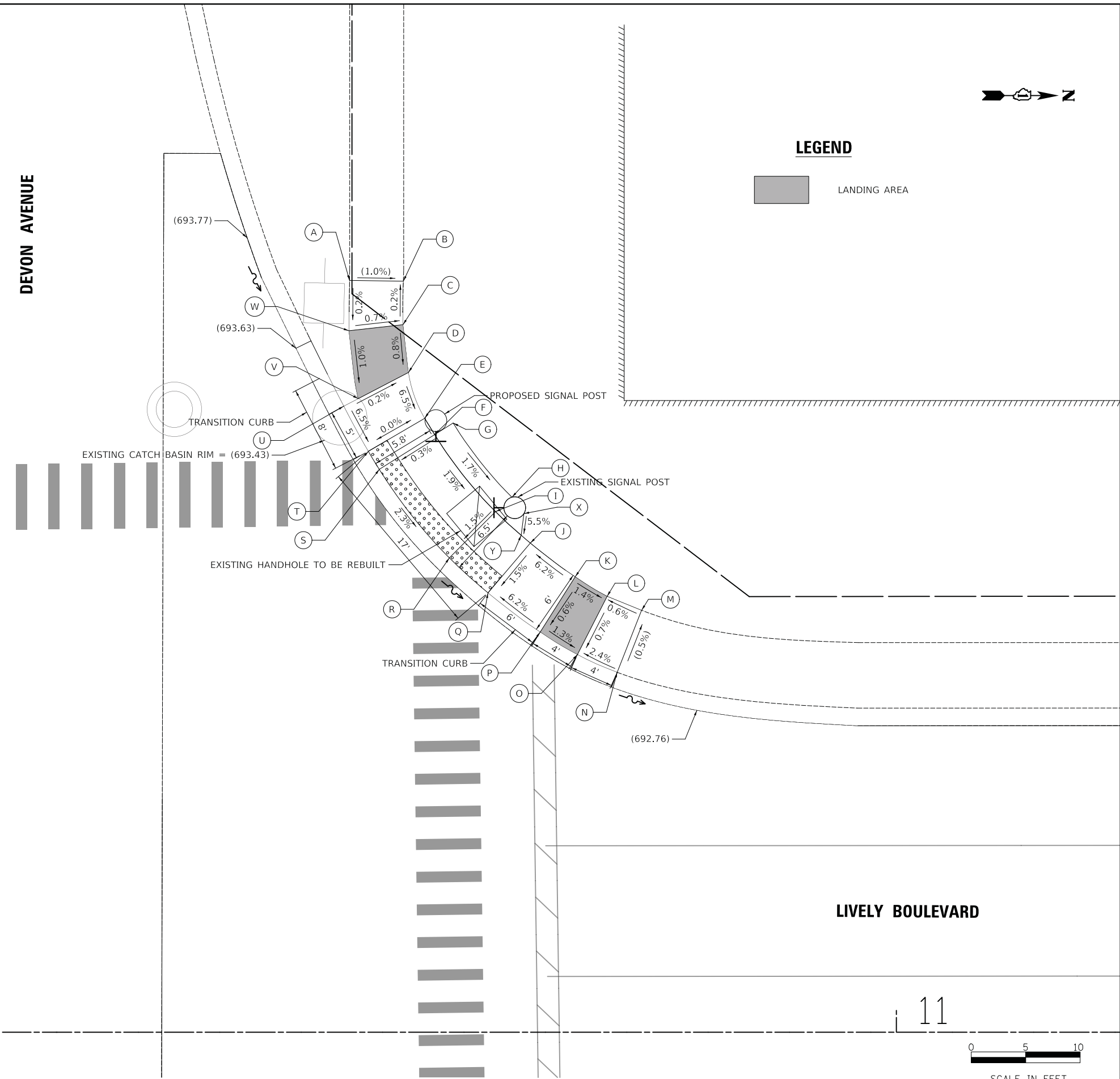
**LIVELY BOULEVARD RESURFACING
ADA GRADING**

SCALE: 1" = 5' SHEET 2 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	30
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION	ADJACENT FLOW LINE ELEV	ADJACENT EOP ELEV
A	10+49.77	69.03' LT	(693.75)		
B	10+54.71	68.96' LT	(693.70)		
C	10+54.68	64.96' LT	693.71		
D	10+55.18	60.57' LT	693.67		
E	10+56.68	56.36' LT	693.38		
F	10+57.59	54.88' LT	693.35		
G	10+59.29	55.94' LT	693.35		
H	10+64.69	49.12' LT	693.21		
I	10+63.18	47.80' LT	693.18		
J	10+66.38	44.91' LT	693.10		
K	10+70.50	41.82' LT	693.42		
L	10+73.43	40.03' LT	693.37		
M	10+76.60	38.74' LT	(693.39)		
N	10+74.36	33.05' LT	(693.42)		(692.85)
O	10+70.70	34.67' LT	693.33		(692.89)
P	10+67.28	36.75' LT	693.38		(692.94)
Q	10+62.49	40.34' LT	693.01	692.97	(693.02)
R	10+58.94	43.56' LT	693.09		(693.10)
S	10+52.51	51.69' LT	693.33		(693.34)
T	10+51.49	53.34' LT	693.38	693.34	(693.39)
U	10+49.24	57.48' LT	693.69		(693.49)
V	10+50.57	58.18' LT	693.68		
W	10+49.71	64.41' LT	693.75		
X	10+65.78	47.62' LT	693.23		
Y	10+65.54	45.63' LT	693.12		

DEVON AVENUE

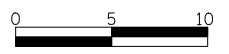


LEGEND



LIVELY BOULEVARD

11



SCALE IN FEET

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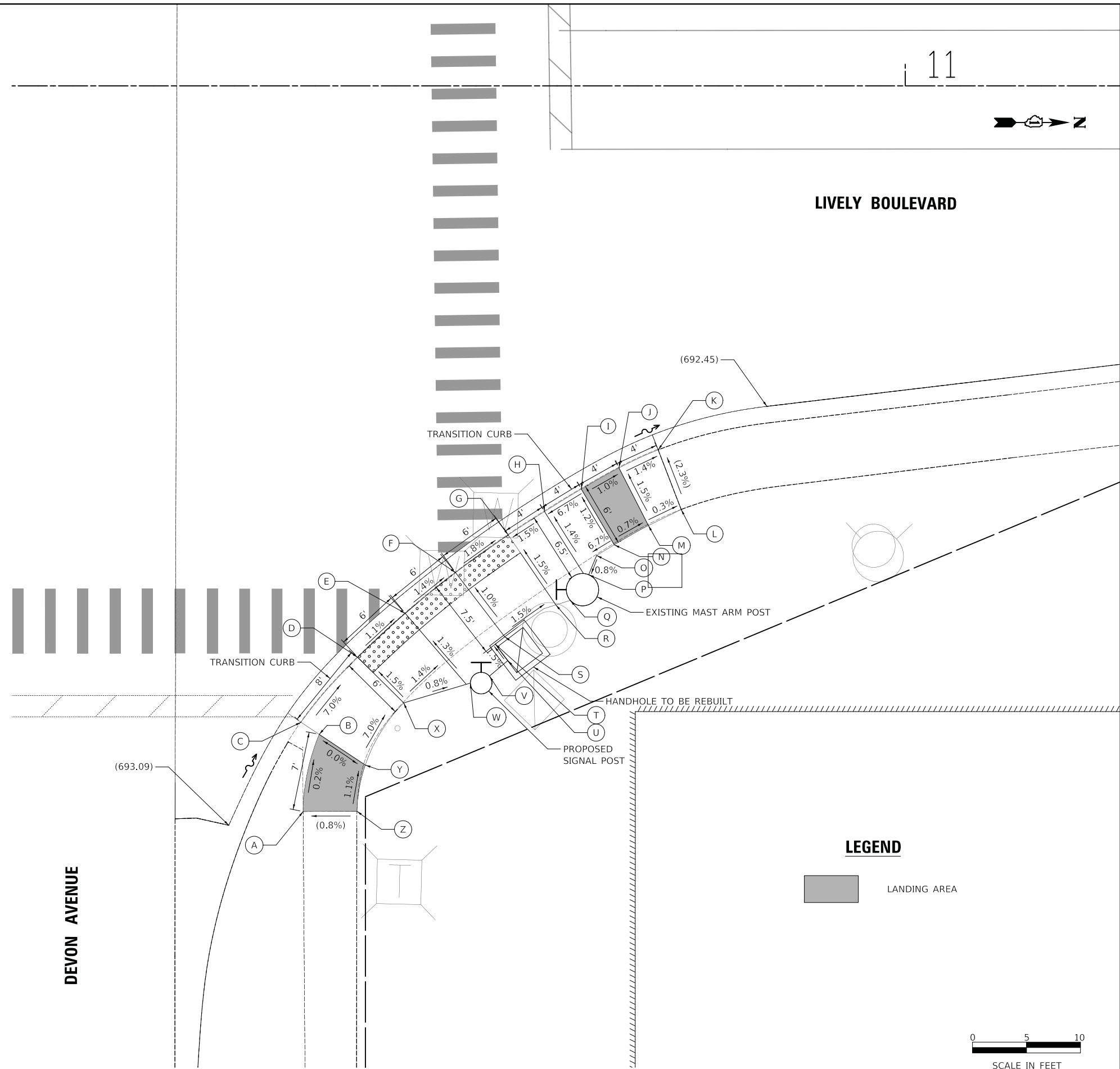
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ADA GRADING**

SCALE: 1" = 5' SHEET 3 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	31
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION	ADJACENT FLOW LINE ELEV	ADJACENT EOP ELEV
A	10+44.22	67.26' RT	(693.50)		
B	10+45.70	60.11' RT	693.49		
C	10+44.02	58.99' RT	(693.48)		(693.04)
D	10+49.27	52.97' RT	692.92	692.88	(692.93)
E	10+53.67	48.89' RT	692.85		(692.86)
F	10+58.33	45.11' RT	692.77		(692.78)
G	10+63.22	41.63' RT	692.66	692.62	(692.67)
H	10+66.58	39.46' RT	692.72		(692.61)
I	10+69.99	37.38' RT	692.99		(692.55)
J	10+73.47	35.41' RT	692.95		(692.51)
K	10+77.11	33.74' RT	(692.89)		(692.47)
L	10+79.24	39.26' RT	(693.03)		
M	10+76.20	40.76' RT	693.04		
N	10+73.04	42.54' RT	693.06		
O	10+71.40	43.53' RT	692.94		
P	10+70.67	45.31' RT	692.92		
Q	10+68.97	47.69' RT	692.76		
R	10+67.63	48.11' RT	692.78		
S	10+62.89	51.07' RT	692.87		
T	10+62.01	51.75' RT	692.88		
U	10+63.18	53.26' RT	692.91		
V	10+61.47	54.71' RT	692.94		
W	10+59.71	55.36' RT	692.96		
X	10+53.53	57.19' RT	693.01		
Y	10+49.97	62.95' RT	693.49		
Z	10+49.20	67.23' RT	(693.53)		



LIVELY BOULEVARD

DEVON AVENUE

LEGEND

LANDING AREA



MODEL: s:\MODEL\NAME: FILE: NAME: ... 11/8/2018

USER NAME = djk	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

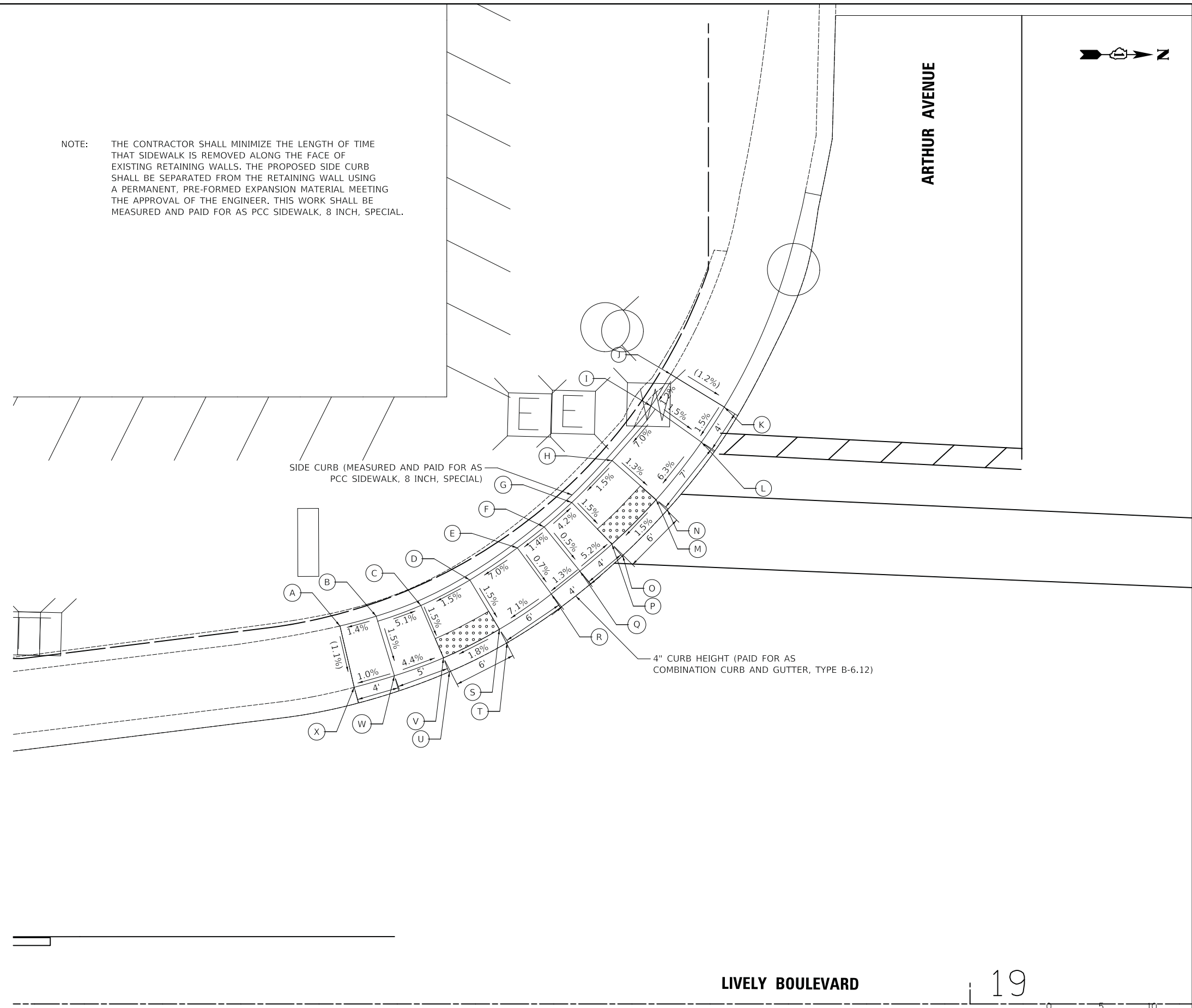
LIVELY BOULEVARD RESURFACING
ADA GRADING

SCALE: 1" = 5' SHEET 4 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	32
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION	TOP OF CURB ELEVATION
A	18+39.78	36.11' LT	(691.64)	
B	18+43.25	37.04' LT	691.69	
C	18+47.51	38.07' LT	691.47	691.73
D	18+52.19	40.51' LT	691.58	691.86
E	18+56.74	43.58' LT	691.96	692.03
F	18+59.30	45.58' LT	692.00	692.07
G	18+61.94	47.91' LT	691.86	692.09
H	18+65.79	21.92' LT	691.94	692.20
I	18+69.50	57.13' LT	692.39	
J	18+71.41	60.15' LT	(692.43)	
K	18+76.51	57.03' LT	(692.36)	
L	18+74.34	53.68' LT	692.30	
M	18+70.01	48.18' LT	691.86	
N	18+71.08	47.21' LT	(691.87)	
O	18+66.81	42.84' LT	(691.78)	
P	18+65.78	43.93' LT	691.77	
Q	18+62.72	41.36' LT	691.97	
R	18+59.98	39.17' LT	691.92	
S	18+55.02	35.80' LT	691.49	
T	18+55.79	34.53' LT	(691.50)	
U	18+50.26	31.74' LT	(691.39)	
V	18+49.68	33.07' LT	691.38	
W	18+44.99	31.36' LT	691.60	
X	18+41.14	30.26' LT	(691.57)	

NOTE: THE CONTRACTOR SHALL MINIMIZE THE LENGTH OF TIME THAT SIDEWALK IS REMOVED ALONG THE FACE OF EXISTING RETAINING WALLS. THE PROPOSED SIDE CURB SHALL BE SEPARATED FROM THE RETAINING WALL USING A PERMANENT, PRE-FORMED EXPANSION MATERIAL MEETING THE APPROVAL OF THE ENGINEER. THIS WORK SHALL BE MEASURED AND PAID FOR AS PCC SIDEWALK, 8 INCH, SPECIAL.



MODEL: S:\MODEL\NAME: FILE: NAME: ... ADA05 Arthur SW.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
PLOT SCALE = 5,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ADA GRADING**

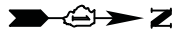
SCALE: 1" = 5' SHEET 5 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	33
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

LIVELY BOULEVARD

19

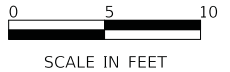
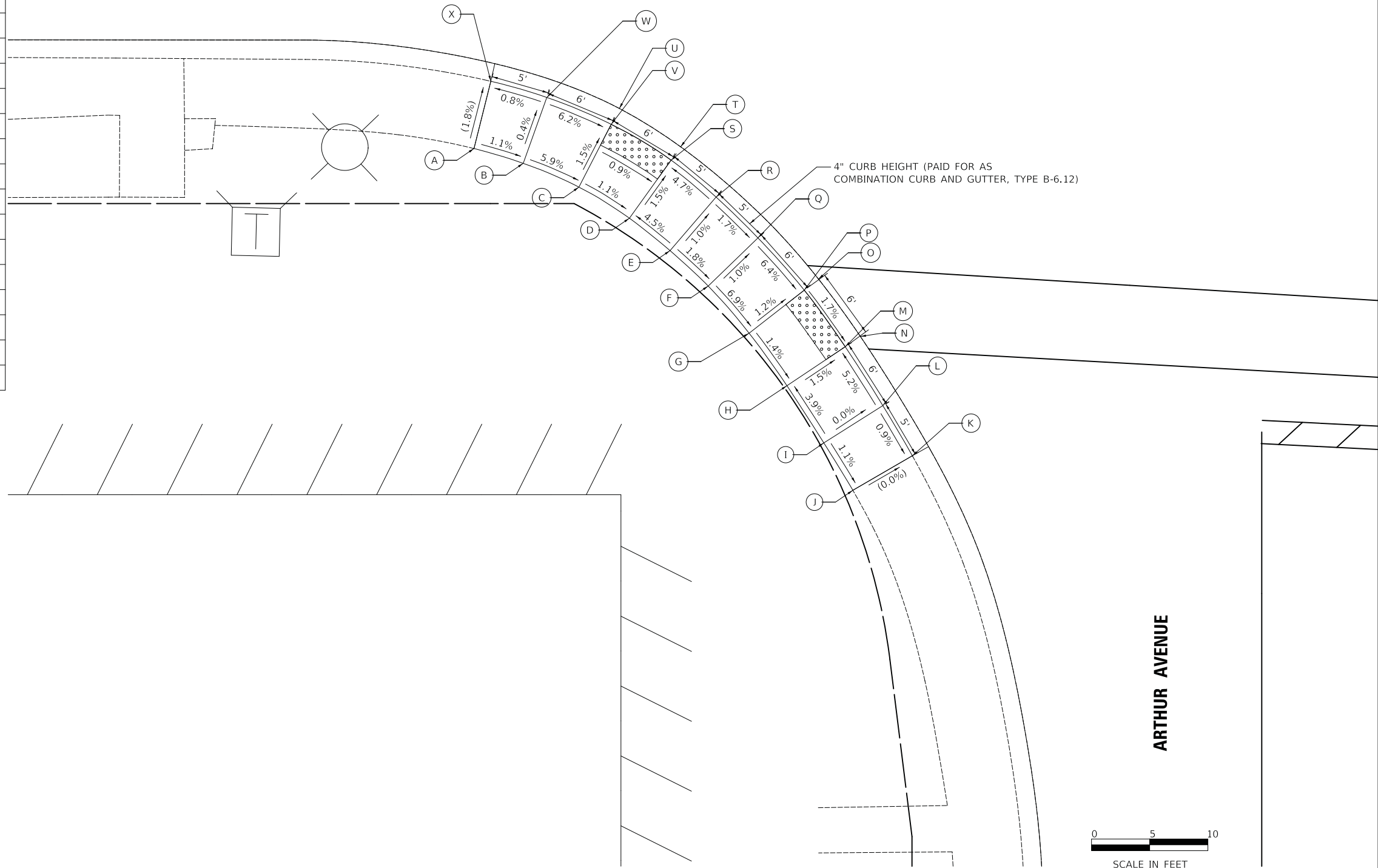
SCALE IN FEET



19

	STATION	OFFSET	ELEVATION
A	18+37.37	28.27' RT	(691.38)
B	18+41.60	29.54' RT	691.34
C	18+46.38	31.59' RT	691.03
D	18+50.72	34.26' RT	690.98
E	18+54.21	37.04' RT	691.18
F	18+57.48	40.08' RT	691.10
G	18+61.00	44.13' RT	690.72
H	18+64.25	48.64' RT	690.64
I	18+67.42	53.55' RT	690.86
J	18+69.91	57.62' RT	(690.81)
K	18+75.02	54.66' RT	(690.81)
L	18+72.49	50.35' RT	690.86
M	18+69.26	45.29' RT	690.55
N	18+70.56	44.41' RT	(690.56)
O	18+66.95	39.49' RT	(690.66)
P	18+65.74	40.44' RT	690.65
Q	18+61.76	35.94' RT	691.04
R	18+58.16	32.44' RT	691.12
S	18+54.30	29.27' RT	690.89
T	18+55.11	28.13' RT	(690.90)
U	18+49.85	24.84' RT	(690.95)
V	18+49.15	26.20' RT	690.94
W	18+43.62	23.88' RT	691.31
X	18+38.82	22.50' RT	(691.28)

18 LIVELY BOULEVARD



MODEL: \\MODEL\NAME: FILE: NAME: ... 11/8/2018

USER NAME = djc	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
PLOT SCALE = 5,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

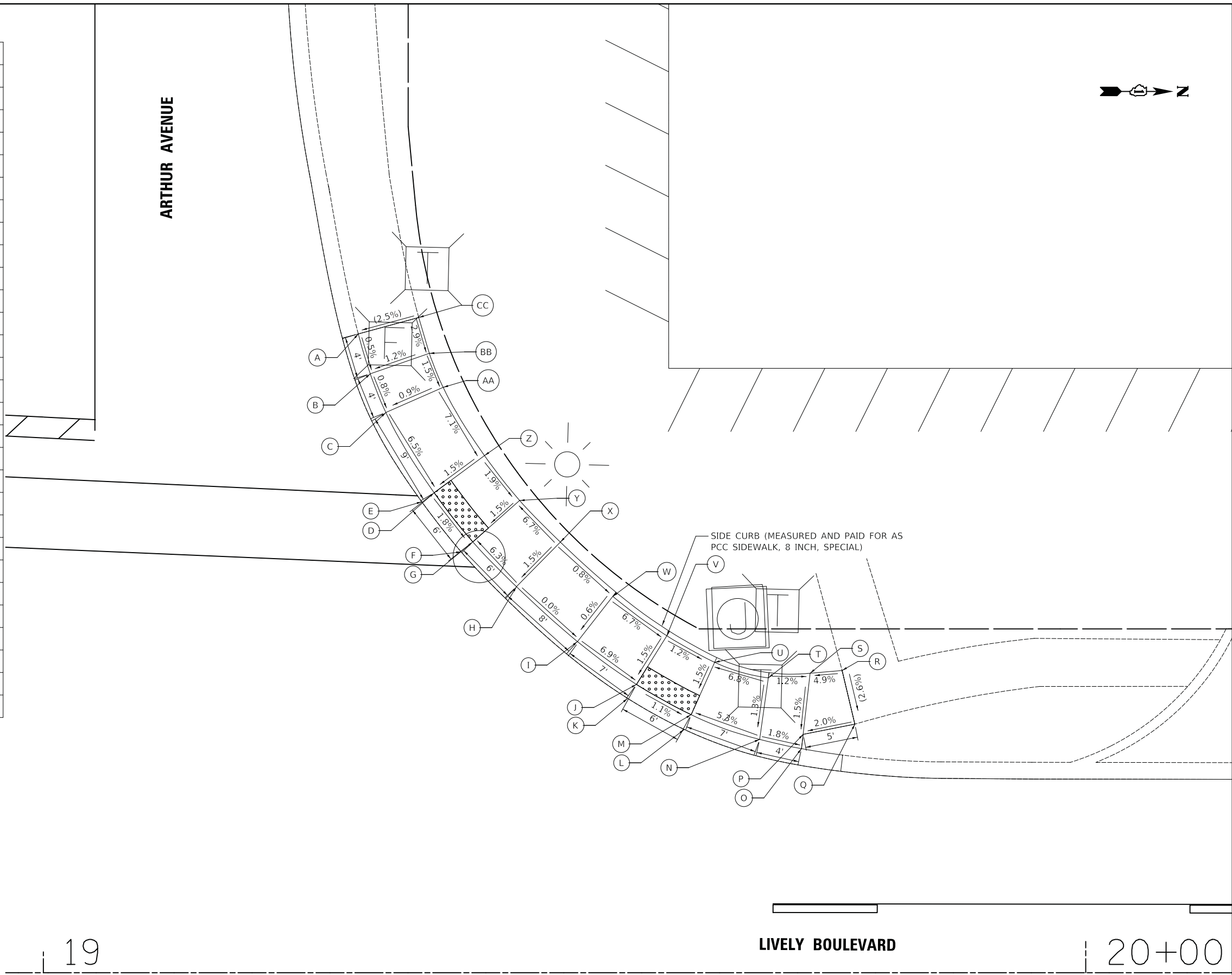
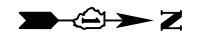
LIVELY BOULEVARD RESURFACING
ADA GRADING

SCALE: 1" = 5' SHEET 6 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	34
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	19+30.21	61.30' LT	(692.49)
B	19+31.36	57.47' LT	692.47
C	19+32.86	53.76' LT	692.44
D	19+37.49	46.06' LT	691.86
E	19+36.30	45.19' LT	(691.87)
F	19+40.08	40.38' LT	(691.76)
G	19+41.20	41.35' LT	691.75
H	19+45.38	37.05' LT	692.13
I	19+51.24	31.78' LT	692.13
J	19+56.90	27.67' LT	691.65
K	19+56.05	26.33' LT	(691.66)
L	19+61.49	23.35' LT	(691.59)
M	19+62.15	24.76' LT	691.58
N	19+68.72	22.39' LT	691.95
O	19+72.73	21.50' LT	691.88
P	19+72.89	22.87' LT	691.90
Q	19+77.85	23.85' LT	(692.00)
R	19+76.63	29.00' LT	(692.14)
S	19+73.56	28.74' LT	691.99
T	19+69.55	28.29' LT	692.03
U	19+64.40	29.79' LT	691.67
V	19+60.08	32.76' LT	692.24
W	19+54.63	36.11' LT	692.16
X	19+49.60	41.32' LT	692.22
Y	19+45.69	45.32' LT	691.84
Z	19+42.32	49.62' LT	691.94
AA	19+38.35	56.17' LT	692.49
BB	19+37.03	59.44' LT	692.54
CC	19+36.01	62.88' LT	(692.64)

ARTHUR AVENUE



19

LIVELY BOULEVARD

20+00



SCALE IN FEET

MODEL: S:\MODEL\NAME: FILE: NAME: ..._18007_Arthur_RW.dgn

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	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

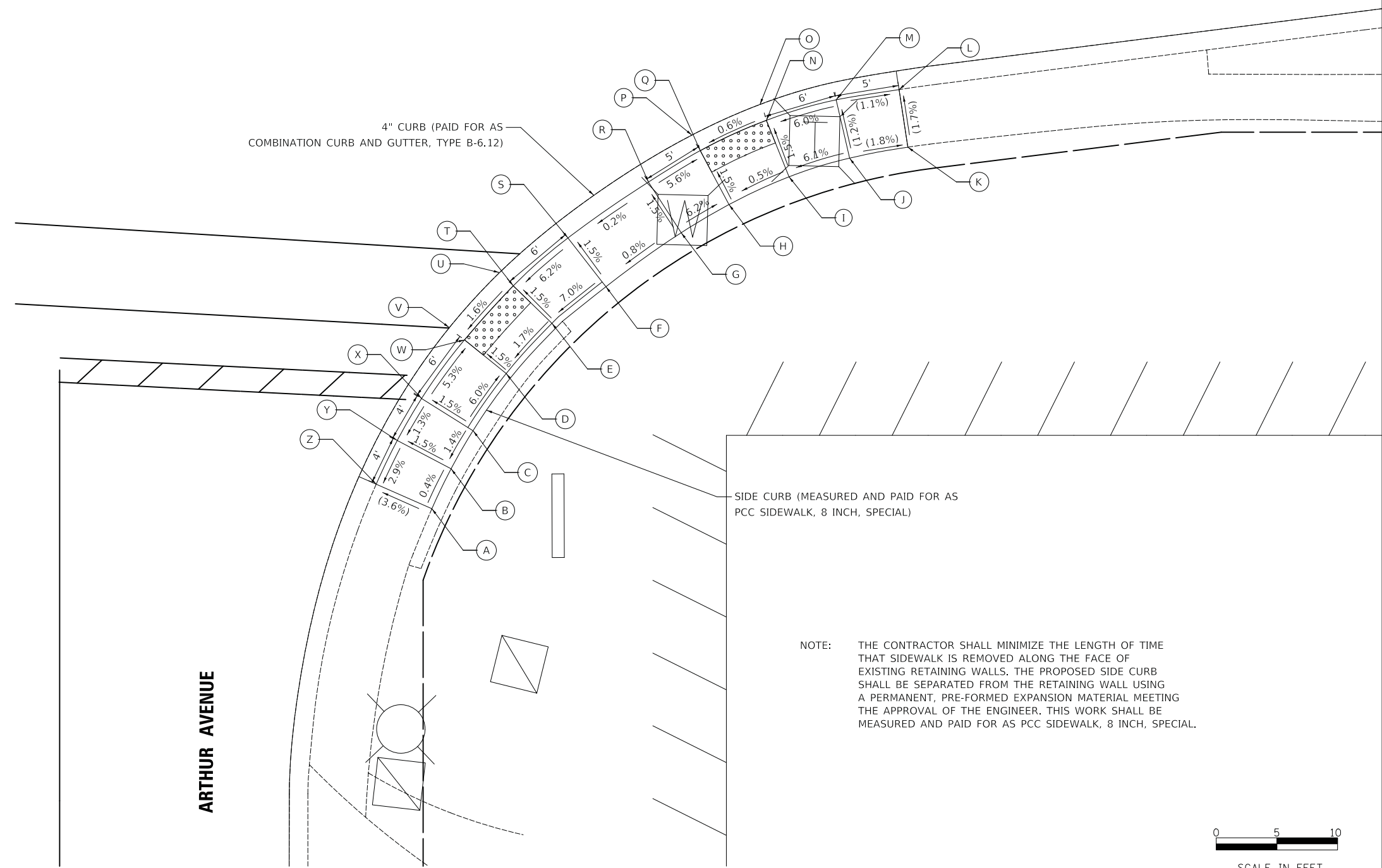
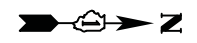
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIVELY BOULEVARD RESURFACING ADA GRADING	
SCALE: 1" = 5'	SHEET 7 OF 39 SHEETS STA. TO STA.

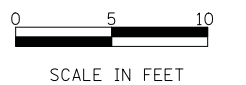
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	35
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION	TOP OF CURB ELEVATION
A	19+35.71	64.05' RT	(691.01)	
B	19+37.29	60.76' RT	691.02	
C	19+39.12	57.63' RT	691.07	
D	19+41.84	52.90' RT	690.75	691.07
E	19+45.61	48.76' RT	690.84	691.09
F	19+50.06	45.74' RT	691.22	
G	19+56.27	41.30' RT	691.28	
H	19+60.20	38.97' RT	691.00	
I	19+65.15	36.68' RT	691.02	
J	19+70.15	35.14' RT	(691.34)	
K	19+74.94	34.24' RT	(691.43)	
L	19+74.22	29.49' RT	(691.35)	
M	19+69.03	30.33' RT	(691.28)	
N	19+63.29	32.03' RT	690.95	
O	19+62.76	30.71' RT	(690.96)	
P	19+57.15	33.24' RT	(690.93)	
Q	19+57.84	34.53' RT	690.92	
R	19+53.56	37.11' RT	691.20	
S	19+46.93	41.72' RT	691.14	
T	19+42.42	45.67' RT	690.77	
U	19+41.29	44.58' RT	(690.78)	
V	19+37.15	49.11' RT	(690.68)	
W	19+38.40	50.13' RT	690.67	
X	19+34.86	54.96' RT	691.00	
Y	19+32.86	58.42' RT	690.95	
Z	19+31.12	62.03' RT	(690.83)	

LIVELY BOULEVARD



ARTHUR AVENUE



MODEL: \\MODEL\NAMES
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	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

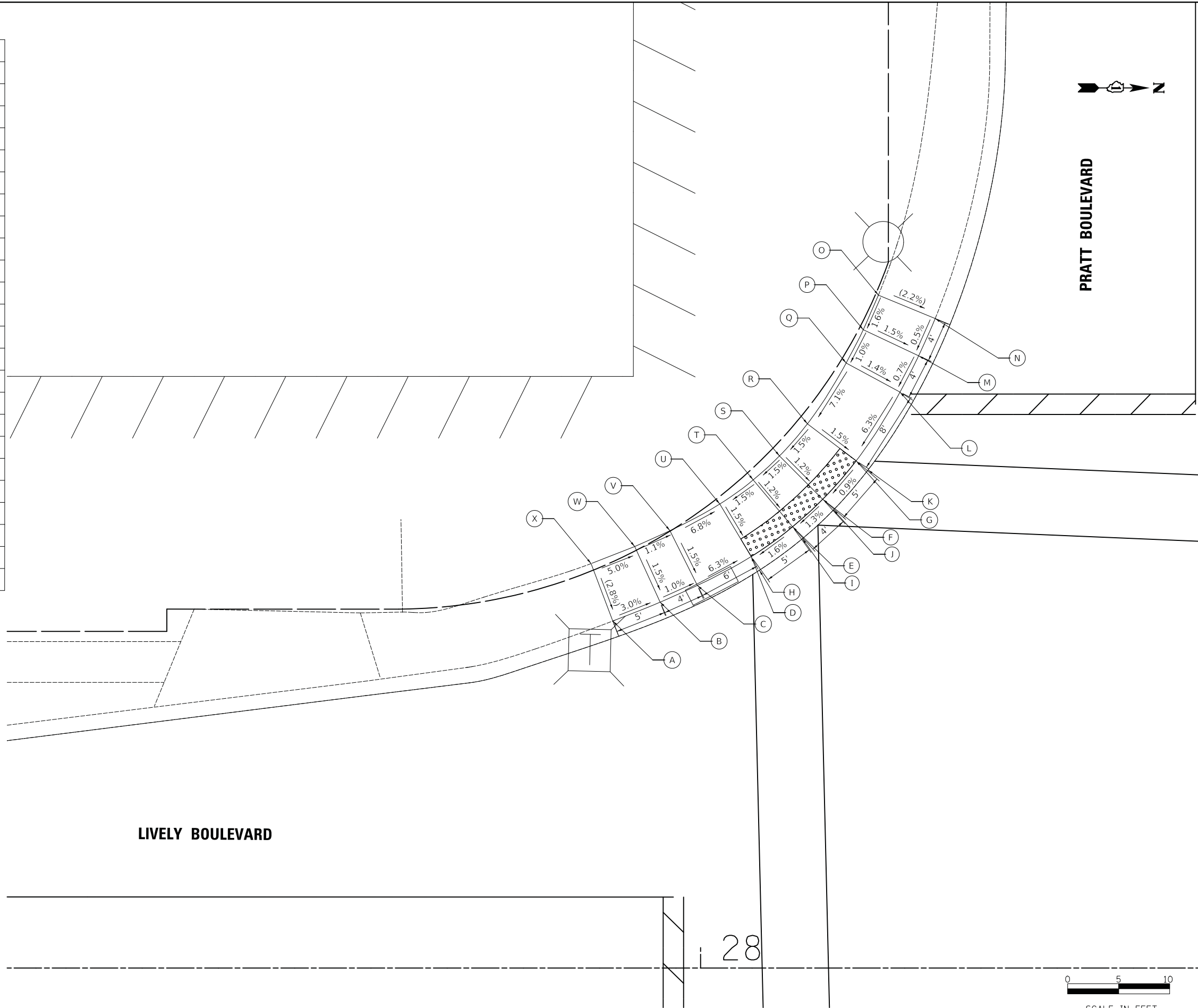
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING
ADA GRADING

SCALE: 1" = 5' SHEET 8 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	36
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	27+91.38	34.02' LT	(687.57)
B	27+96.03	35.86' LT	687.41
C	27+99.68	37.51' LT	687.37
D	28+04.96	40.34' LT	687.01
E	28+09.02	43.26' LT	687.08
F	28+11.97	45.96' LT	687.13
G	28+15.25	49.72' LT	687.18
H	28+05.77	39.00' LT	(687.00)
I	28+09.98	42.10' LT	(687.09)
J	28+13.04	44.91' LT	(687.14)
K	28+16.42	48.83' LT	(687.17)
L	28+19.55	56.46' LT	687.67
M	28+21.38	60.02' LT	687.70
N	28+23.00	63.67' LT	(687.72)
O	28+17.43	65.96' LT	(687.85)
P	28+15.94	62.58' LT	687.79
Q	28+14.27	59.31' LT	687.76
R	28+10.47	53.35' LT	687.26
S	28+07.73	50.20' LT	687.20
T	28+05.16	47.85' LT	687.15
U	28+01.88	45.49' LT	687.09
V	27+96.99	42.87' LT	687.46
W	27+93.54	41.32' LT	687.50
X	27+89.26	39.64' LT	(687.73)



MODEL: 4300BELNAMES
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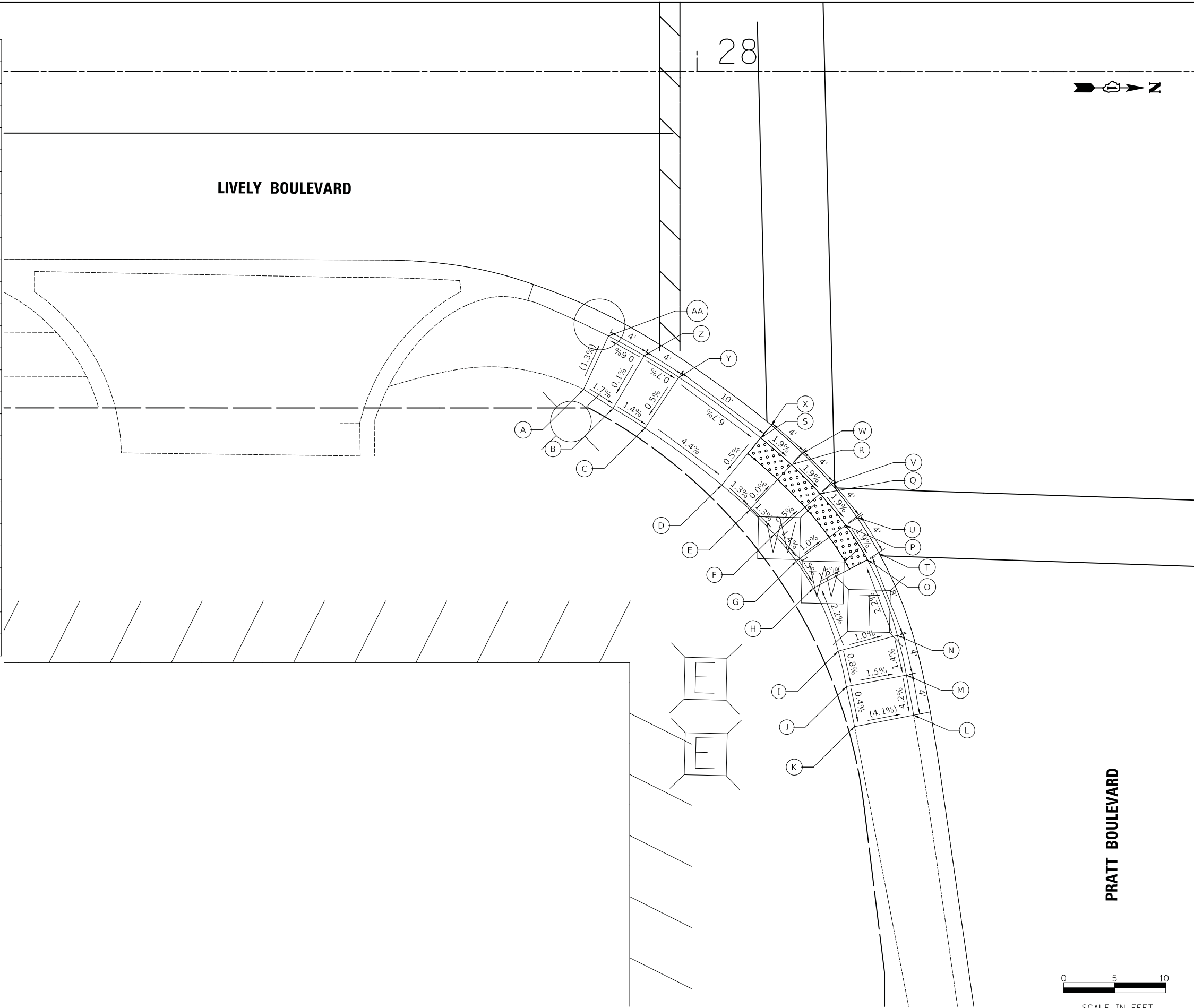
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIVELY BOULEVARD RESURFACING ADA GRADING	
SCALE: 1" = 5'	SHEET 9 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	37
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	27+88.88	31.18' RT	(687.53)
B	27+91.78	33.05' RT	687.47
C	27+94.90	34.99' RT	687.42
D	28+02.44	40.56' RT	686.75
E	28+05.18	42.96' RT	686.70
F	28+07.60	45.41' RT	686.66
G	28+09.74	48.04' RT	686.61
H	28+11.42	50.69' RT	686.57
I	28+13.87	56.87' RT	686.72
J	28+14.66	60.35' RT	686.69
K	28+15.47	64.27' RT	(686.68)
L	28+21.26	63.15' RT	(686.43)
M	28+20.56	59.22' RT	686.60
N	28+19.67	55.32' RT	686.66
O	28+16.73	47.90' RT	686.48
P	28+14.60	44.52' RT	686.55
Q	28+12.08	41.41' RT	686.63
R	28+09.27	38.57' RT	686.70
S	28+06.26	35.94' RT	686.78
T	28+17.89	47.29' RT	(686.49)
U	28+15.69	43.72' RT	(686.56)
V	28+13.18	40.43' RT	(686.64)
W	28+10.24	37.42' RT	(686.71)
X	28+07.29	34.69' RT	(686.79)
Y	27+98.23	29.99' RT	687.45
Z	27+94.83	27.88' RT	687.47
AA	27+91.33	25.95' RT	(687.45)



MODEL: S:\MODEL\NAMES
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USER NAME = djc	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
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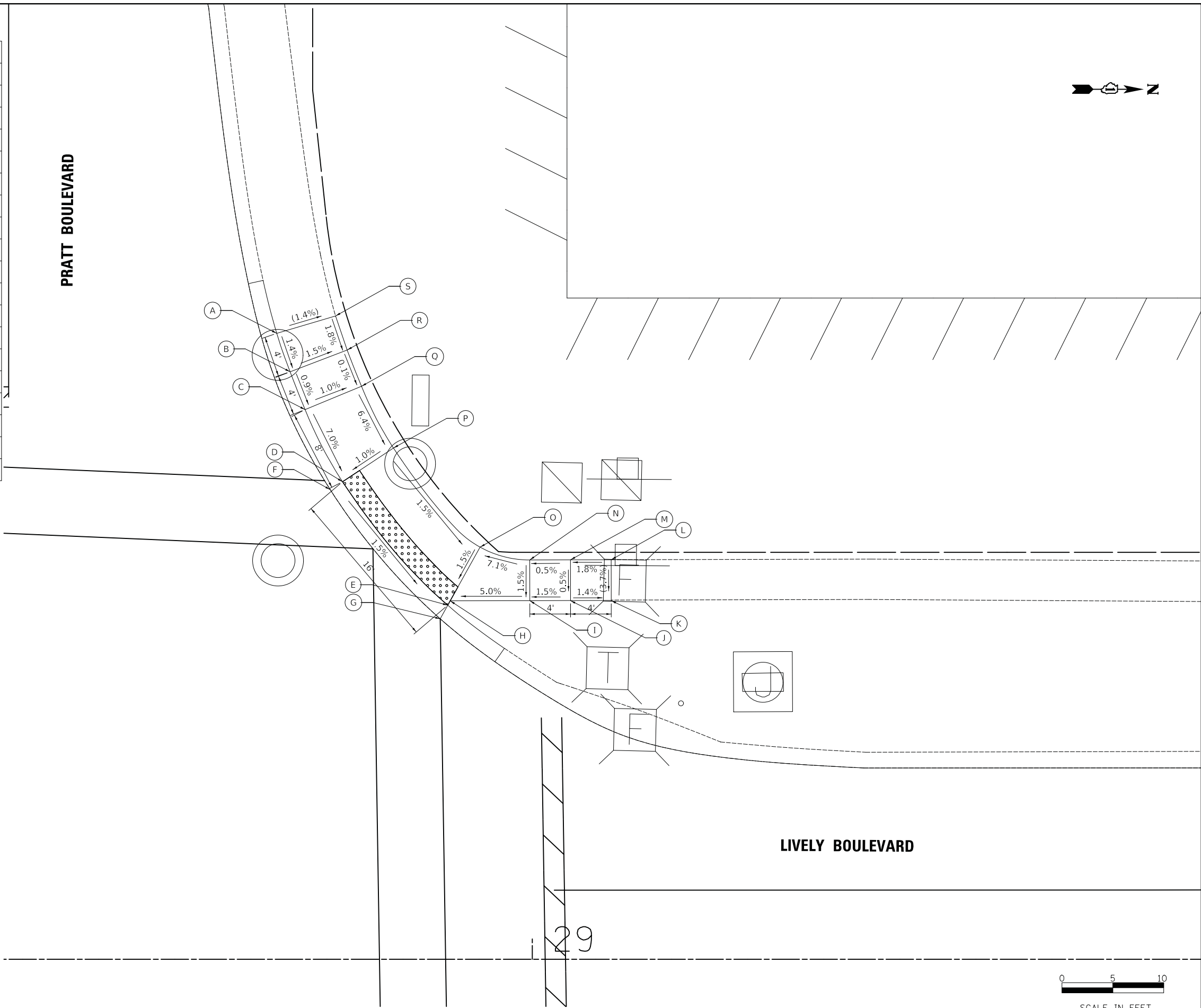
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ADA GRADING**

SCALE: 1" = 5' SHEET 10 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	38
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	28+74.88	61.52' RT	(687.27)
B	28+76.19	57.74' LT	687.21
C	28+77.67	54.03' LT	687.17
D	28+81.35	46.94' LT	686.62
E	28+91.69	34.80' LT	686.38
F	28+80.13	46.14' LT	(686.63)
G	28+90.95	33.46' LT	(686.39)
H	28+91.93	35.23' LT	686.39
I	28+99.76	35.25' LT	686.78
J	29+03.76	35.25' LT	686.84
K	29+07.76	35.25' LT	(686.78)
L	29+07.75	39.27' LT	(686.93)
M	29+03.75	39.26' LT	686.86
N	28+99.75	39.25' LT	686.84
O	28+94.86	40.51' LT	686.48
P	28+86.35	50.25' LT	686.68
Q	28+83.21	56.32' LT	687.11
R	28+81.80	59.88' LT	687.12
S	28+80.66	63.23' LT	(687.18)



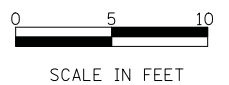
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	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

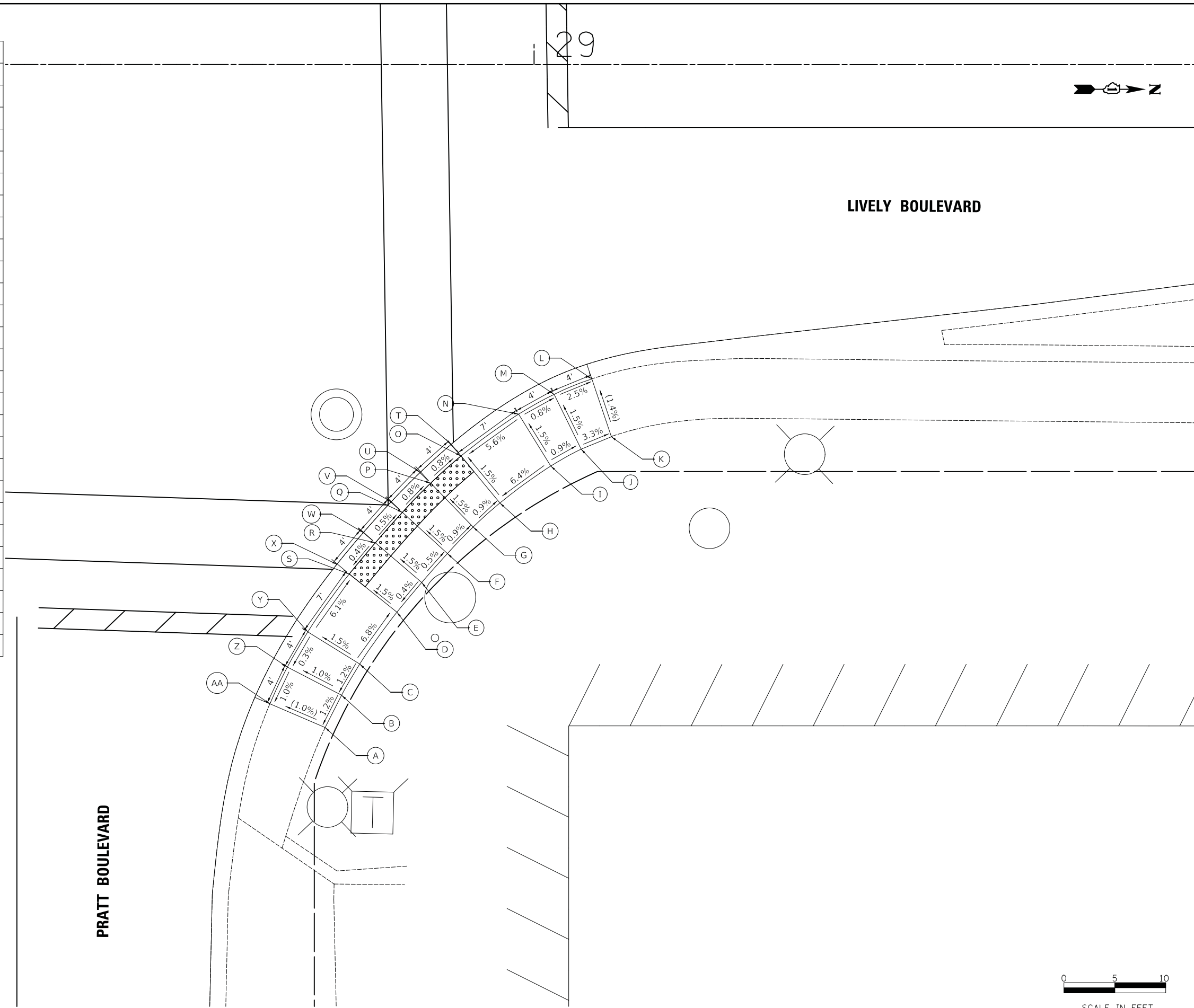
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ADA GRADING**
SCALE: 1" = 5' SHEET 11 OF 39 SHEETS STA. TO STA.

F.A.U. RTE. 1700	SECTION 18-00068-00-R5	COUNTY COOK	TOTAL SHEETS 89	SHEET NO. 39
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	28+79.47	65.16' RT	(686.63)
B	28+81.09	61.99' RT	686.67
C	28+82.87	58.92' RT	686.72
D	28+86.52	53.82' RT	686.29
E	28+88.96	50.90' RT	686.31
F	28+91.49	48.06' RT	686.29
G	28+94.02	45.45' RT	686.25
H	28+96.64	43.09' RT	686.22
I	29+01.64	39.46' RT	686.62
J	29+04.62	37.80' RT	686.59
K	29+07.60	36.58' RT	(686.48)
L	29+05.67	30.90' RT	(686.40)
M	29+01.98	32.42' RT	686.50
N	28+98.48	34.36' RT	686.53
O	28+92.82	38.47' RT	686.13
P	28+89.84	41.14' RT	686.16
Q	28+87.06	44.01' RT	686.20
R	28+84.40	47.00' RT	686.22
S	28+81.84	50.07' RT	686.20
T	28+91.86	37.31' RT	(686.14)
U	28+88.82	40.08' RT	(686.17)
V	28+85.95	42.99' RT	(686.21)
W	28+83.23	46.00' RT	(686.23)
X	28+80.63	49.11' RT	(686.21)
Y	28+77.77	55.76' RT	686.63
Z	28+75.76	59.22' RT	686.61
AA	28+74.05	62.83' RT	(686.58)



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USER NAME = djc	DESIGNED - KDC	REVISED -
DRAWN - JAB	REVISIONS -	
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ADA GRADING**

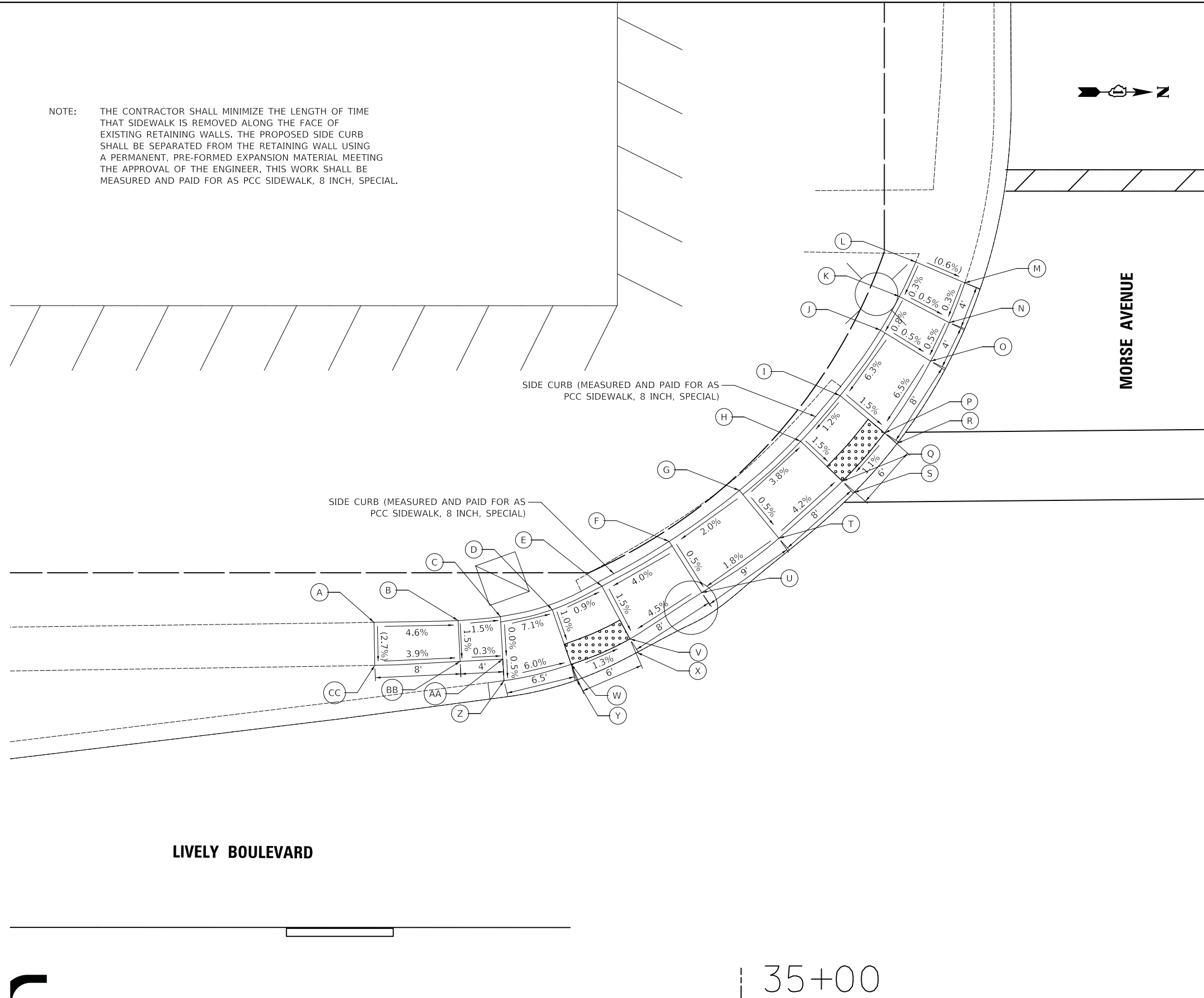
SCALE: 1" = 5' SHEET 12 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	40
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION	TOP OF CURB ELEVATION
A	34+65.63	35.36' LT	(684.12)	
B	34+73.51	35.53' LT	683.75	
C	34+77.46	35.90' LT	683.69	
D	34+82.32	36.55' LT	683.35	683.60
E	34+86.97	38.75' LT	683.31	683.56
F	34+93.27	42.94' LT	683.61	
G	34+99.85	47.71' LT	683.77	
H	35+05.58	52.30' LT	683.49	683.57
I	35+09.27	56.58' LT	683.56	683.61
J	35+13.06	62.71' LT	684.01	
K	35+14.82	65.85' LT	684.04	
L	35+16.35	69.09' LT	(684.05)	
M	35+20.94	67.13' LT	(684.03)	
N	35+19.49	63.41' LT	684.01	
O	35+17.74	59.81' LT	683.99	
P	35+13.43	53.08' LT	683.47	
Q	35+09.48	48.57' LT	683.40	
R	35+14.60	52.11' LT	(683.48)	
S	35+10.58	47.52' LT	(683.41)	
T	35+03.53	43.23' LT	683.74	
U	34+96.31	38.14' LT	683.58	
V	34+89.59	33.81' LT	683.22	
W	34+84.09	31.43' LT	683.29	
X	34+90.25	32.55' LT	(683.23)	
Y	34+84.60	29.97' LT	(683.30)	
Z	34+77.80	29.90' LT	683.68	
AA	34+77.69	31.92' LT	683.69	
BB	34+73.69	31.71' LT	693.70	
CC	34+65.70	31.34' LT	(684.01)	

NOTE: THE CONTRACTOR SHALL MINIMIZE THE LENGTH OF TIME THAT SIDEWALK IS REMOVED ALONG THE FACE OF EXISTING RETAINING WALLS. THE PROPOSED SIDE CURB SHALL BE SEPARATED FROM THE RETAINING WALL USING A PERMANENT, PRE-FORMED EXPANSION MATERIAL MEETING THE APPROVAL OF THE ENGINEER. THIS WORK SHALL BE MEASURED AND PAID FOR AS PCC SIDEWALK, 8 INCH, SPECIAL.



LIVELY BOULEVARD

35+00



SCALE IN FEET

MODEL: 4000RENAME
FILE NAME: 113307_ADA13_MORSE_SW.dgn

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PLOT DATE = 11/8/2018	CHECKED - DJK	REVISED -
	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

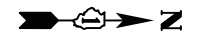
**LIVELY BOULEVARD RESURFACING
ADA GRADING**

SCALE: 1" = 5' SHEET 13 OF 39 SHEETS STA. TO STA.

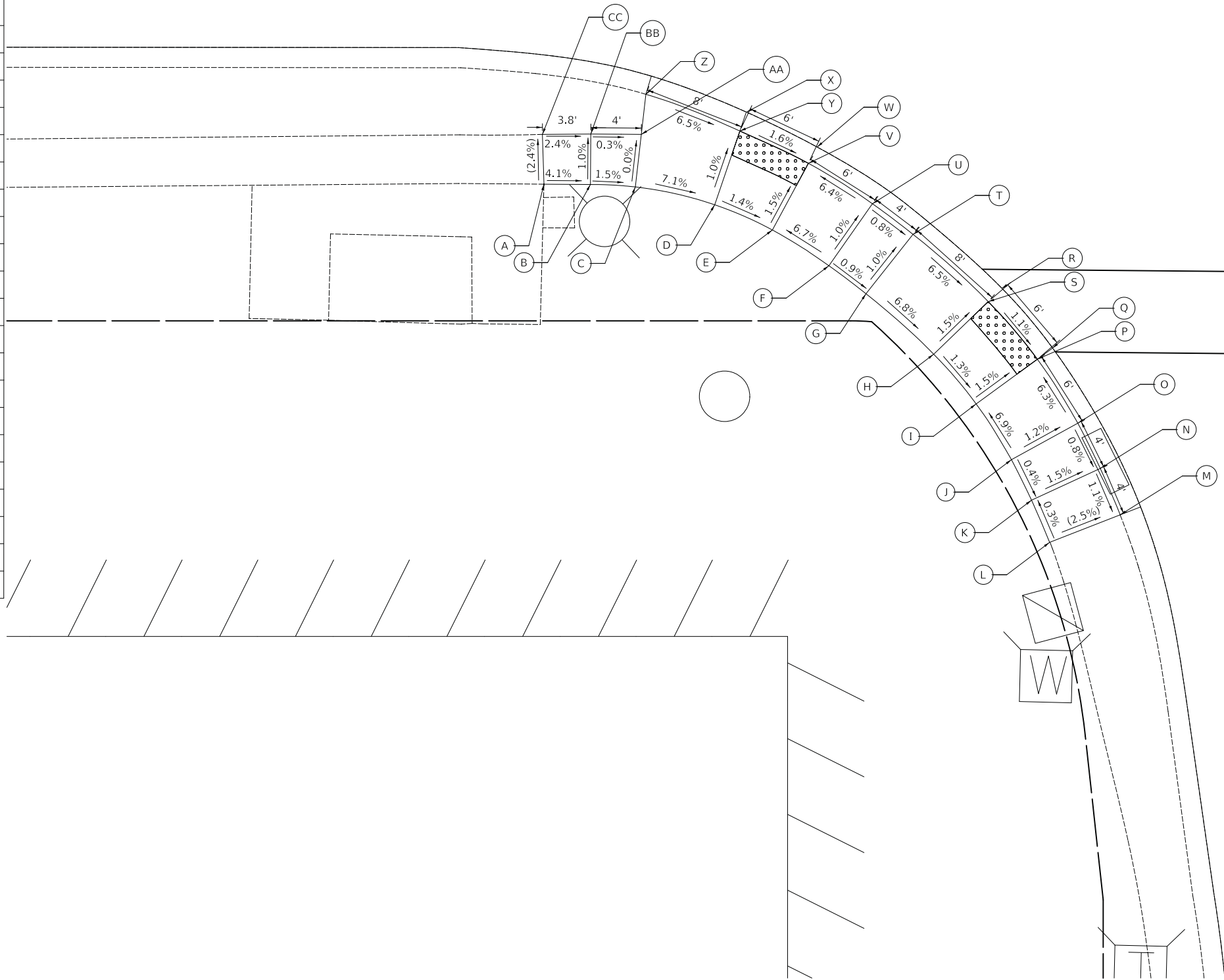
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	41
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	34+69.11	29.18' RT	(683.92)
B	34+72.80	29.20' RT	683.77
C	34+76.35	29.40' RT	683.72
D	34+82.64	30.81' RT	683.26
E	34+87.21	32.81' RT	683.19
F	34+91.68	35.64' RT	683.55
G	34+94.62	37.85' RT	683.52
H	34+99.98	42.65' RT	683.02
I	35+03.34	46.58' RT	682.96
J	35+06.14	51.00' RT	683.32
K	35+07.73	54.21' RT	683.31
L	35+09.16	57.55' RT	(683.32)
M	35+14.75	55.37' RT	(683.17)
N	35+13.18	51.69' RT	683.22
O	35+11.40	48.11' RT	683.25
P	35+08.19	43.04' RT	682.87
Q	35+09.40	42.16' RT	(682.88)
R	35+05.39	37.43' RT	(682.95)
S	35+04.30	38.48' RT	682.94
T	34+98.34	33.15' RT	683.46
U	34+95.13	30.73' RT	683.49
V	34+90.06	27.53' RT	683.10
W	34+90.75	26.24' RT	(683.11)
X	34+85.14	23.46' RT	(683.21)
Y	34+84.63	24.97' RT	683.20
Z	34+77.19	22.06 RT'	(683.72)
AA	34+76.82	25.23' RT	683.72
BB	34+72.82	25.20' RT	683.73
CC	34+68.99	25.23' RT	(683.82)

35+00



LIVELY BOULEVARD



MORSE AVENUE



SCALE IN FEET

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DRAWN - JAB	REVISED -	
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

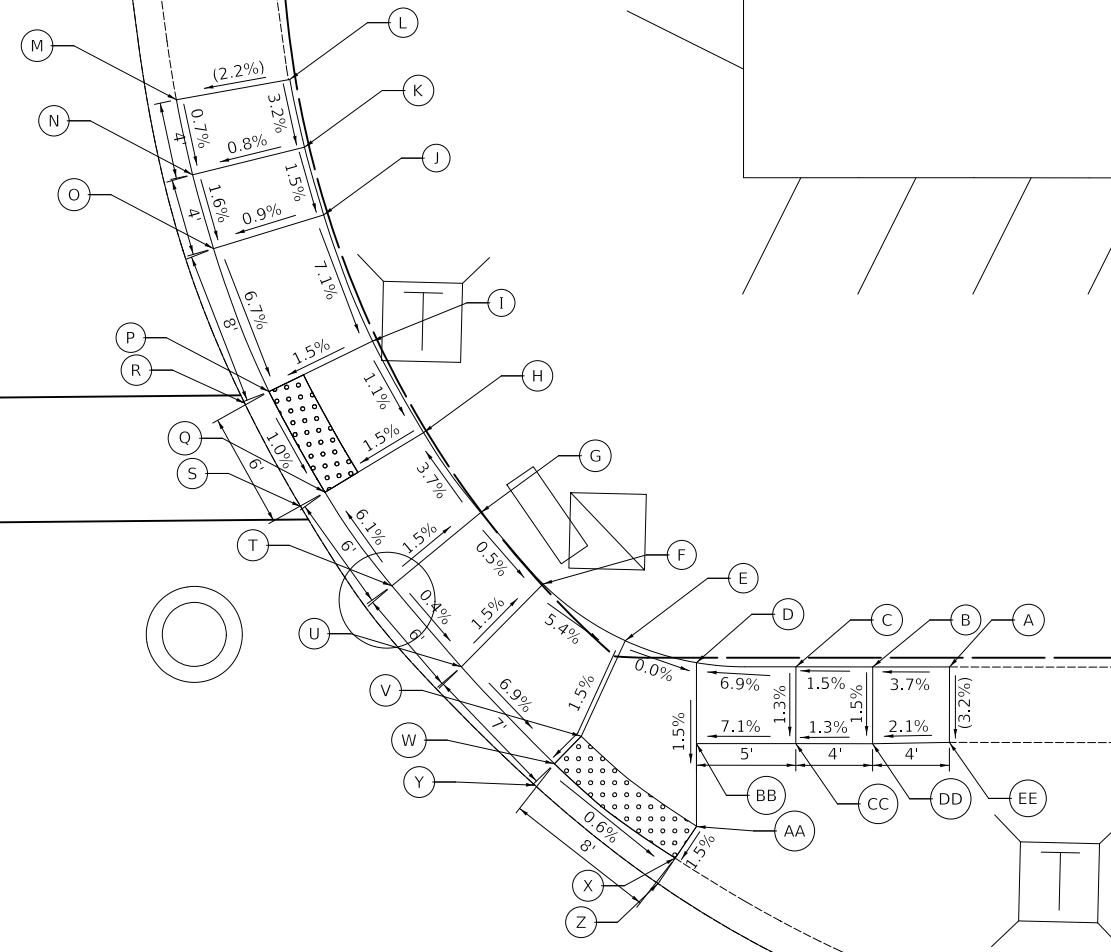
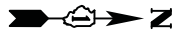
LIVELY BOULEVARD RESURFACING
ADA GRADING

SCALE: 1" = 5' SHEET 14 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	42
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

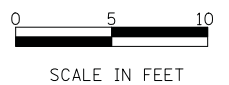
	STATION	OFFSET	ELEVATION
A	36+09.14	39.51' LT	(683.70)
B	36+05.14	39.52' LT	683.55
C	36+01.14	39.52' LT	683.49
D	35+95.95	39.74' LT	683.14
E	35+92.25	40.88' LT	683.14
F	35+87.97	43.84' LT	683.42
G	35+84.72	47.56' LT	683.44
H	35+81.74	51.72' LT	683.26
I	35+79.08	56.49' LT	683.31
J	35+76.54	63.06' LT	683.81
K	35+75.54	66.59' LT	683.87
L	35+74.77	70.12' LT	(683.99)
M	35+68.87	69.06' LT	(683.85)
N	35+69.71	65.15' LT	683.82
O	35+70.80	61.31' LT	683.76
P	35+73.69	53.85' LT	683.22
Q	35+76.61	48.61' LT	683.17
R	35+72.44	53.24' LT	(683.23)
S	35+75.36	47.86' LT	(683.18)
T	35+80.09	43.74' LT	683.53
U	35+83.71	39.52' LT	683.51
V	35+89.96	35.91' LT	683.06
W	35+88.56	34.47' LT	683.03
X	35+94.85	29.56' LT	682.98
Y	35+87.50	33.39' LT	(683.04)
Z	35+93.96	28.24' LT	(682.99)
AA	35+95.96	31.22' LT	683.01
BB	35+95.96	35.52' LT	683.07
CC	36+01.13	35.52' LT	683.44
DD	36+05.13	35.52' LT	683.49
EE	36+09.13	35.58' LT	(683.58)

MORSE AVENUE



LIVELY BOULEVARD

36



MODEL: \\MODEL\NAME: FILE: \\NAME: ...33367_ADA15_MORSE_NW.dgn

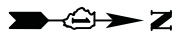
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PLOT DATE = 11/8/2018	CHECKED - DJK	REVISED -
	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ADA GRADING**
SCALE: 1" = 5' SHEET 15 OF 39 SHEETS STA. TO STA.

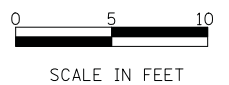
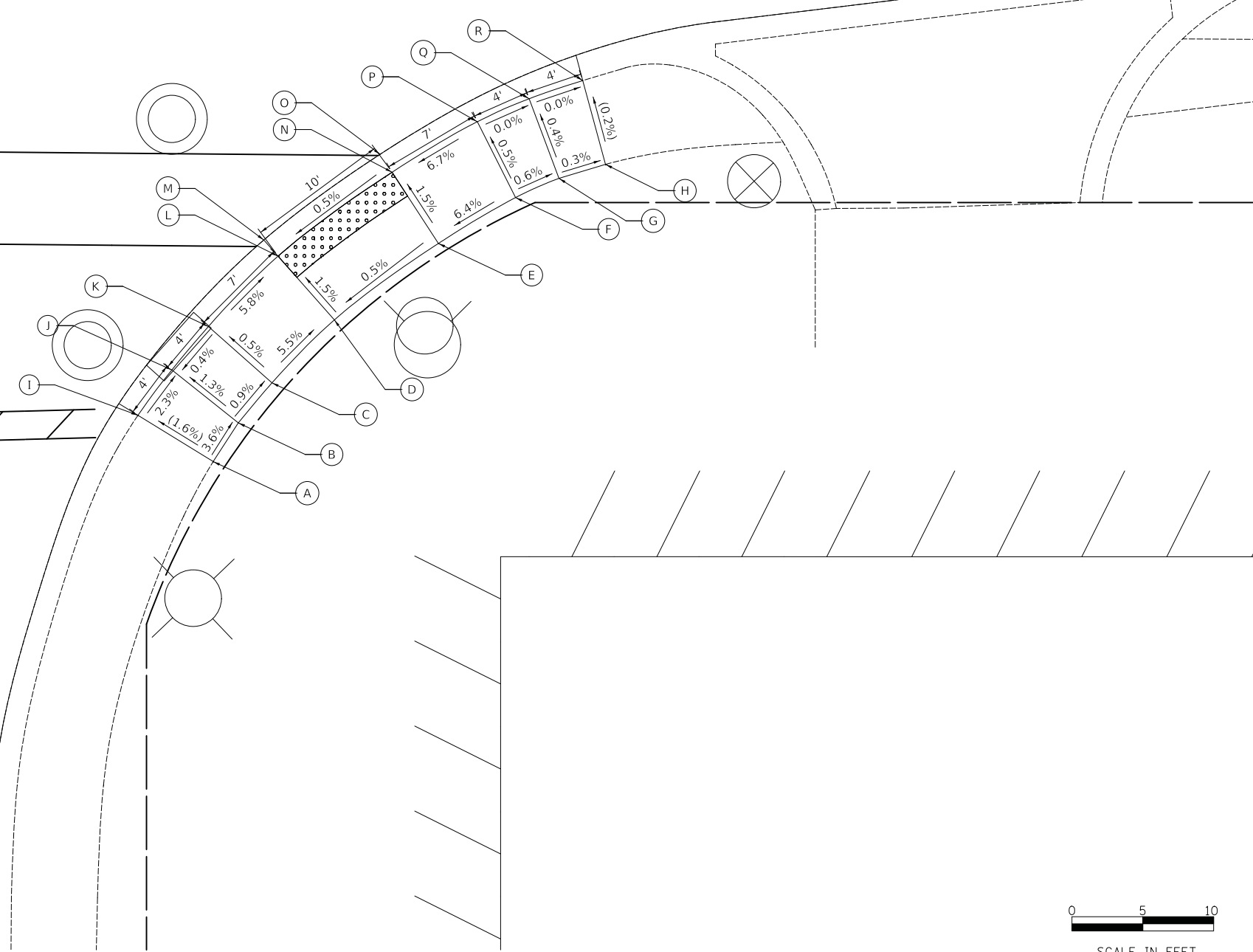
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	43
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	35+78.12	58.28' RT	(683.19)
B	35+79.89	55.55' RT	683.08
C	35+82.27	52.73' RT	683.05
D	35+86.67	48.28' RT	682.70
E	35+94.01	42.89' RT	682.75
F	35+99.46	39.65' RT	683.16
G	36+02.52	38.29' RT	683.14
H	36+05.81	37.30' RT	(683.13)
I	35+72.81	55.02' RT	(683.09)
J	35+75.20	51.81' RT	683.00
K	35+77.78	48.76' RT	683.02
L	35+82.70	43.78' RT	682.61
M	35+81.69	42.65' RT	(682.62)
N	35+90.75	37.86' RT	682.66
O	35+89.91	36.58' RT	(682.67)
P	35+96.76	34.30' RT	683.13
Q	36+00.42	32.67' RT	683.12
R	36+04.21	31.39' RT	(683.12)



LIVELY BOULEVARD

MORSE AVENUE



MODEL: S:\MODEL\NAMES
FILE NAME: ...33367_ADA16_MORSE_NE.dgn

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	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

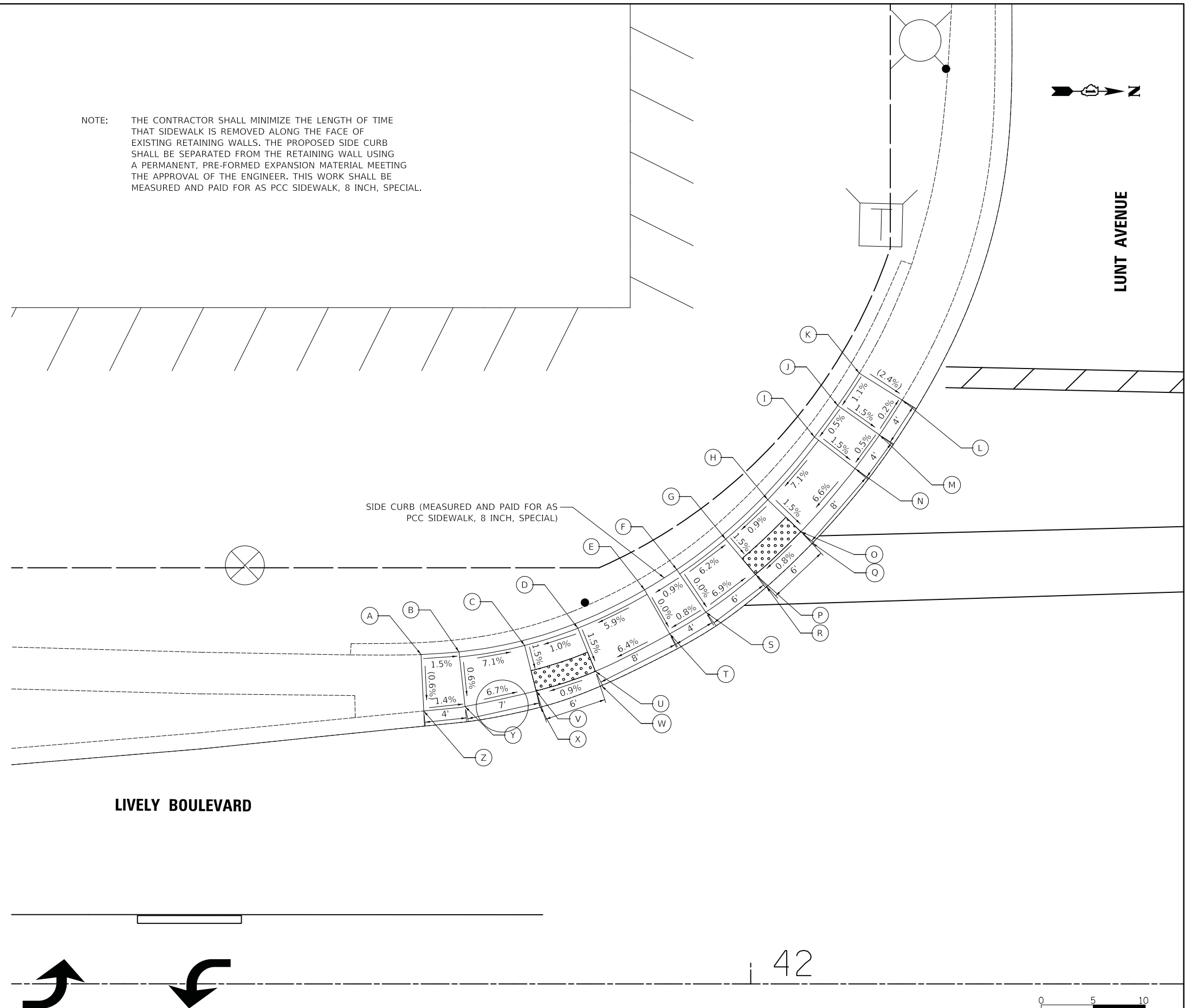
**LIVELY BOULEVARD RESURFACING
ADA GRADING**

SCALE: 1" = 5' SHEET 16 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	44
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION	TOP OF CURB ELEVATION
A	41+68.30	31.66' LT	(681.77)	
B	41+71.96	31.91' LT	681.71	
C	41+78.26	32.53' LT	681.27	681.64
D	41+83.37	34.19' LT	681.32	681.63
E	41+89.80	37.88' LT	681.76	
F	41+92.89	39.81' LT	681.79	
G	41+97.59	42.74' LT	681.45	681.64
H	42+01.64	46.54' LT	681.49	681.60
I	42+06.12	52.56' LT	682.02	
J	42+08.36	55.59' LT	682.04	
K	42+10.43	58.70' LT	(682.08)	
L	42+14.56	56.12' LT	(681.96)	
M	42+12.38	52.77' LT	681.97	
N	42+10.03	49.53' LT	681.95	
O	42+04.82	43.47' LT	681.42	
P	42+00.45	39.36' LT	681.37	
Q	42+05.94	42.38' LT	(681.43)	
R	42+01.48	38.13' LT	(681.38)	
S	41+95.68	35.72' LT	681.78	
T	41+92.20	33.64' LT	681.76	
U	41+85.06	30.04' LT	681.25	
V	41+79.37	28.16' LT	681.19	
W	41+85.63	28.65' LT	(681.26)	
X	41+79.77	26.59' LT	(681.20)	
Y	41+72.54	26.65' LT	681.68	
Z	41+68.56	26.23' LT	(681.74)	

NOTE: THE CONTRACTOR SHALL MINIMIZE THE LENGTH OF TIME THAT SIDEWALK IS REMOVED ALONG THE FACE OF EXISTING RETAINING WALLS. THE PROPOSED SIDE CURB SHALL BE SEPARATED FROM THE RETAINING WALL USING A PERMANENT, PRE-FORMED EXPANSION MATERIAL MEETING THE APPROVAL OF THE ENGINEER. THIS WORK SHALL BE MEASURED AND PAID FOR AS PCC SIDEWALK, 8 INCH, SPECIAL.



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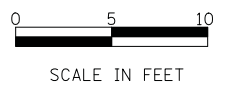
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

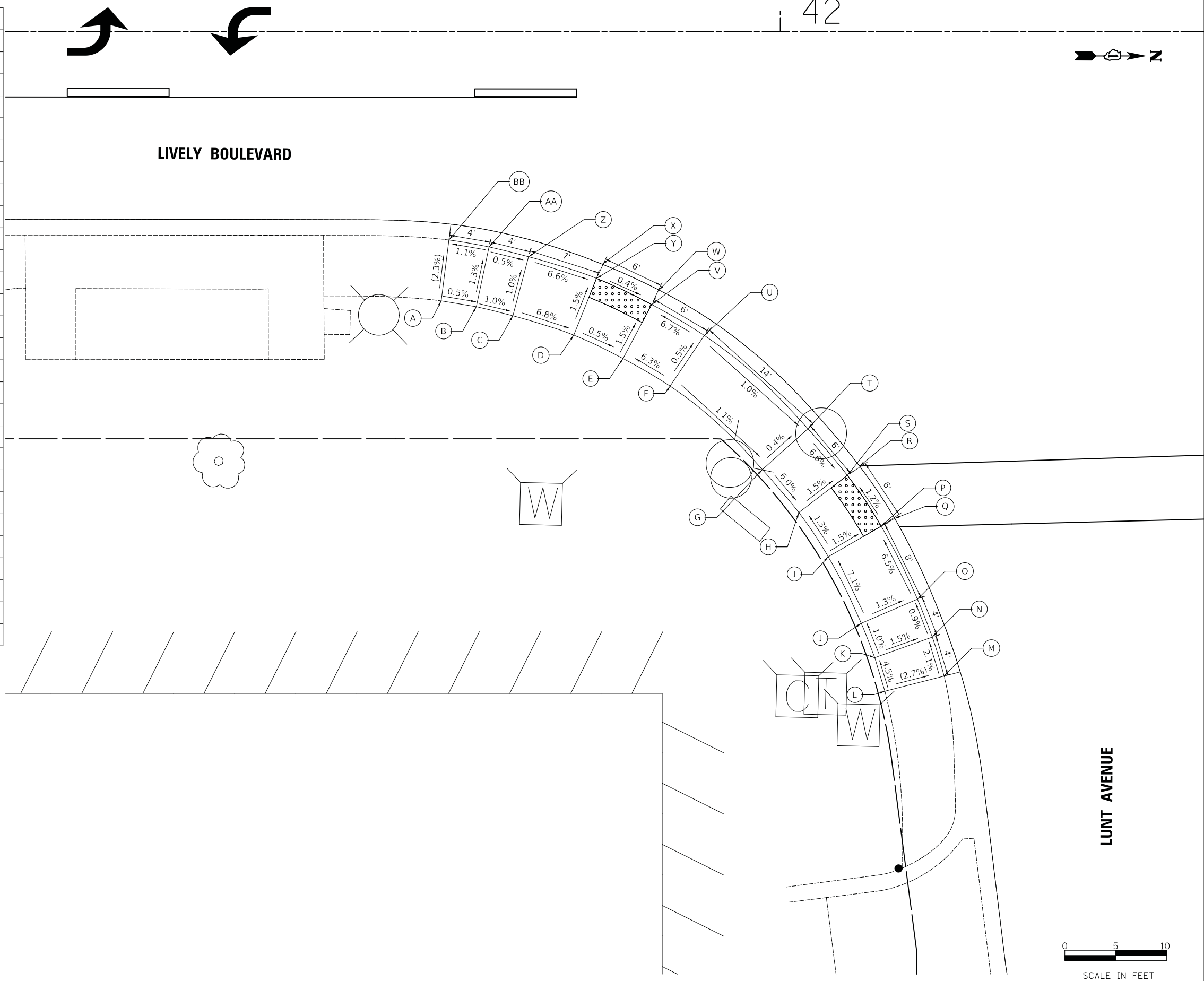
LIVELY BOULEVARD RESURFACING ADA GRADING	
SCALE: 1" = 5'	SHEET 17 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	45
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

42



	STATION	OFFSET	ELEVATION
A	41+66.71	26.45' RT	(681.75)
B	41+70.16	27.03' RT	681.73
C	41+73.74	27.92' RT	681.69
D	41+79.72	29.82' RT	681.26
E	41+84.56	32.12' RT	681.24
F	41+89.18	34.82' RT	681.58
G	41+98.24	43.02' RT	681.44
H	42+01.82	47.24' RT	681.11
I	42+04.71	51.58' RT	681.18
J	42+07.95	58.11' RT	681.70
K	42+09.27	61.49' RT	681.73
L	42+10.27	64.78' RT	(681.89)
M	42+16.07	63.29' RT	(681.73)
N	42+14.92	59.47' RT	681.64
O	42+13.46	55.74' RT	681.61
P	42+09.91	48.58' RT	681.09
Q	42+11.23	47.81' RT	(681.10)
R	42+07.78	42.68' RT	(681.03)
S	42+06.58	43.59' RT	681.02
T	42+02.71	39.01' RT	681.41
U	41+92.54	29.86' RT	681.55
V	41+87.37	26.82' RT	681.15
W	41+88.12	25.41' RT	(681.16)
X	41+82.51	22.85' RT	(681.18)
Y	41+81.95	24.25' RT	681.17
Z	41+75.29	22.12' RT	681.63
AA	41+71.41	21.16' RT	681.65
BB	41+67.46	20.48' RT	(681.61)



MODEL: S:\MODEL\NAMES
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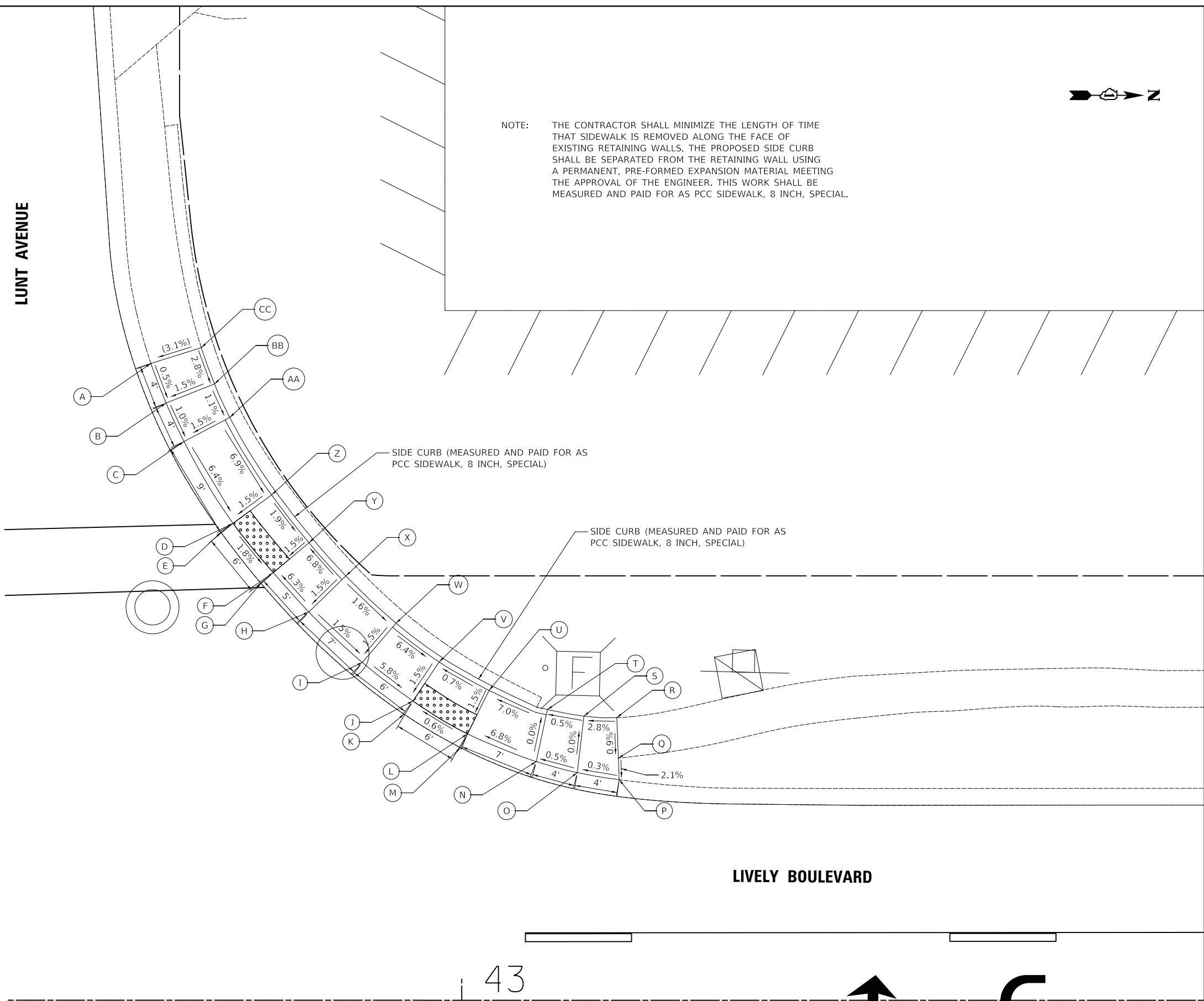
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	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIVELY BOULEVARD RESURFACING ADA GRADING	
SCALE: 1" = 5'	SHEET 18 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	46
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION	TOP OF CURB ELEVATION
A	42+70.71	60.01' LT	(682.24)	
B	42+72.14	56.28' LT	682.22	
C	42+73.83	52.66' LT	682.18	
D	42+78.45	44.94' LT	681.61	
E	42+77.30	44.10' LT	(681.62)	
F	42+82.24	40.29' LT	681.50	
G	42+81.06	39.31' LT	(681.51)	
H	42+85.59	36.58' LT	681.81	
I	42+90.63	31.83' LT	681.71	
J	42+95.40	28.20' LT	681.36	
K	42+94.56	26.96' LT	(681.37)	
L	43+00.54	25.11' LT	681.40	
M	42+99.88	23.81' LT	(681.41)	
N	43+07.03	22.49' LT	681.88	
O	43+10.89	21.45' LT	681.90	
P	43+14.83	20.79' LT	(681.91)	
Q	43+14.75	22.81' LT	(681.95)	
R	43+14.61	26.64' LT	(681.98)	
S	43+11.51	26.78' LT	681.90	
T	43+08.07	27.40' LT	681.88	
U	43+02.58	29.20' LT	681.48	681.54
V	42+97.87	31.88' LT	681.44	681.52
W	42+93.81	35.54' LT	681.79	
X	42+89.08	39.99' LT	681.89	
Y	42+85.61	43.11' LT	681.58	681.83
Z	42+82.08	47.62' LT	681.68	681.96
AA	42+78.14	54.92' LT	682.25	
BB	42+76.70	58.08' LT	682.29	
CC	42+75.46	61.50' LT	(682.39)	



MODEL: 4300RELMANES
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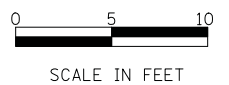
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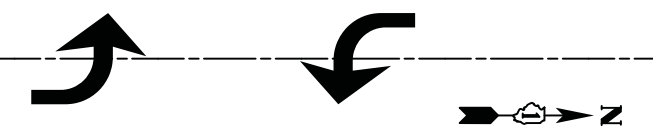
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ADA GRADING**

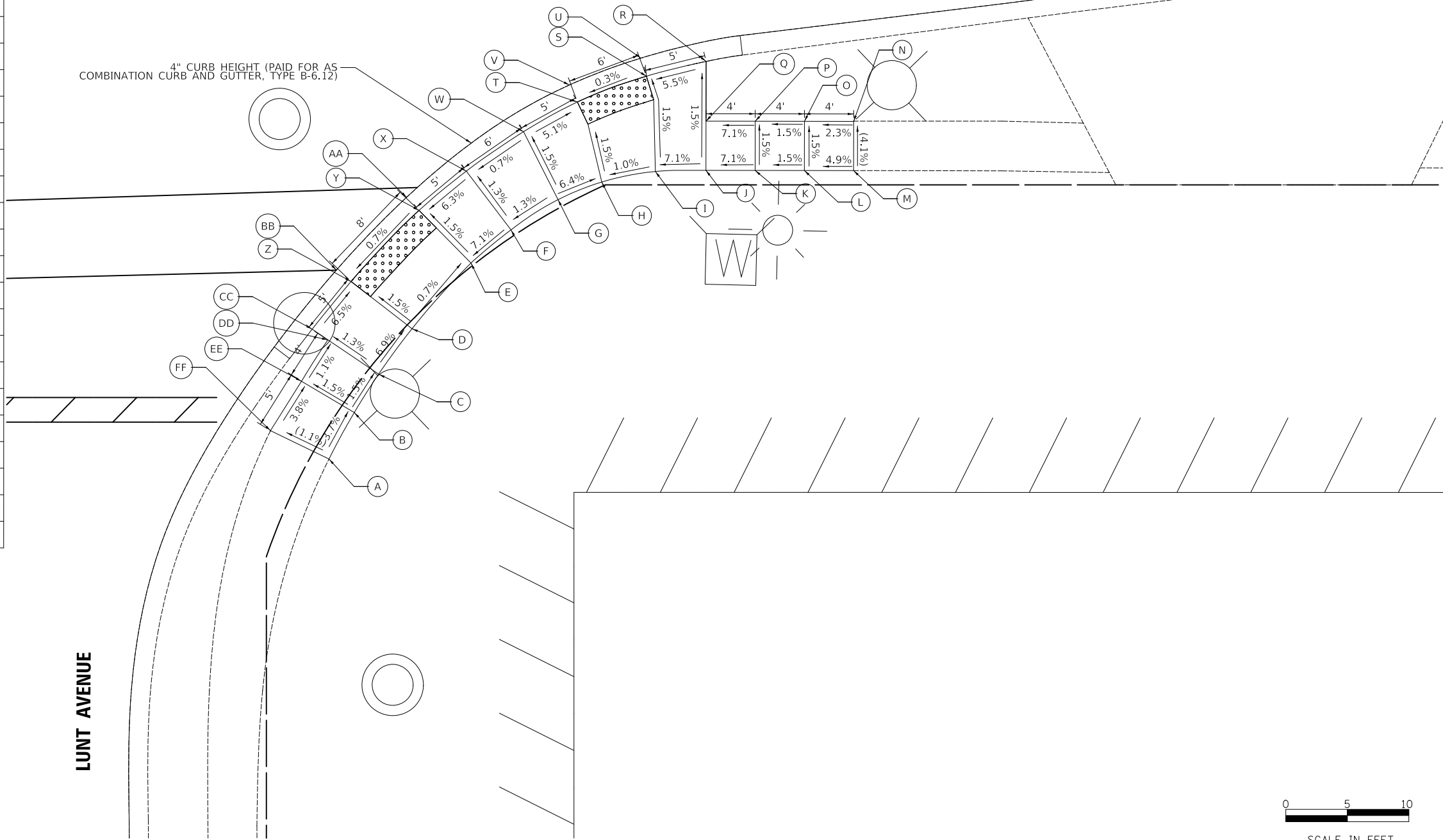
SCALE: 1" = 5' SHEET 19 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	47
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				





	STATION	OFFSET	ELEVATION
A	42+78.49	62.29' RT	(681.86)
B	42+80.55	58.51' RT	681.70
C	42+82.55	55.40' RT	681.64
D	42+85.25	51.70' RT	681.33
E	42+90.04	46.36' RT	681.37
F	42+93.29	43.66' RT	681.67
G	42+97.12	41.20' RT	681.73
H	43+00.67	39.77' RT	681.48
I	43+05.03	38.91' RT	681.52
J	43+09.14	38.82' RT	681.81
K	43+13.14	38.83' RT	682.09
L	43+17.14	38.83' RT	682.15
M	43+21.14	38.84' RT	(682.35)
N	43+21.15	34.84' RT	(682.19)
O	43+17.15	34.83' RT	682.09
P	43+13.15	34.83' RT	682.03
Q	43+09.15	34.82' RT	681.75
R	43+09.15	29.96' RT	681.67
S	43+04.30	31.17' RT	681.40
T	42+98.69	33.26' RT	681.38
U	43+03.85	29.69' RT	(681.41)
V	42+98.03	31.88' RT	(681.39)
W	42+94.31	35.68' RT	681.64
X	42+89.66	38.88' RT	681.60
Y	42+85.81	42.08' RT	681.28
Z	42+80.29	47.86' RT	681.23
AA	42+84.78	41.03' RT	(681.29)
BB	42+79.09	46.93' RT	(681.24)
CC	42+77.13	51.73' RT	681.56
DD	42+78.41	52.60' RT	681.58
EE	42+76.26	55.97' RT	681.62
FF	42+73.74	59.99' RT	(681.80)



MODEL: S:\MODELS\NAME: FILE: NAME: ..._ADA30_LUNT_NE.dgn

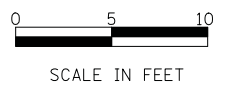
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	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

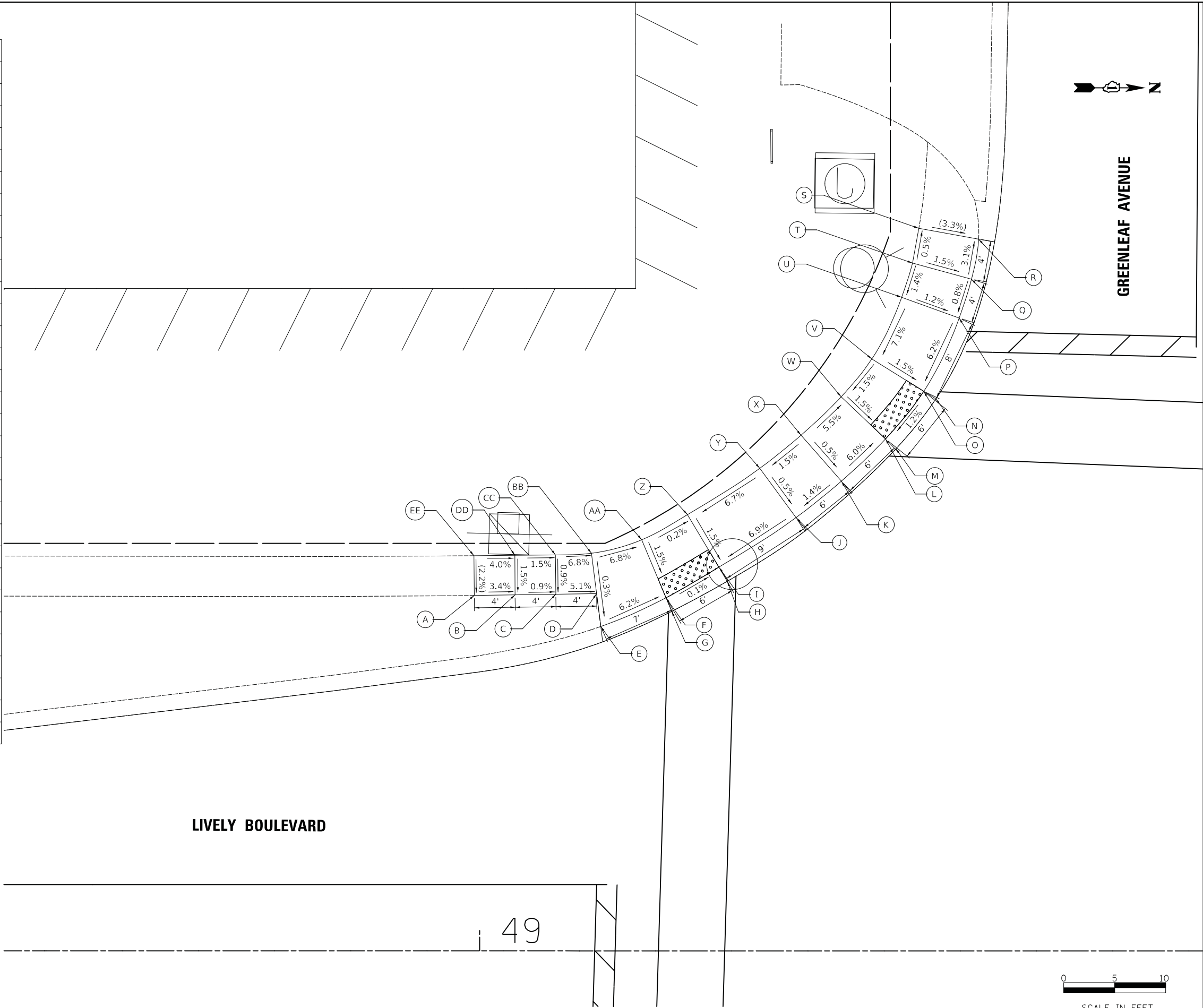
LIVELY BOULEVARD RESURFACING
ADA GRADING

SCALE: 1" = 5' SHEET 20 OF 39 SHEETS STA. TO STA.

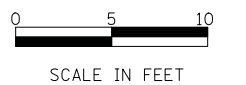
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	48
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	48+99.47	34.89' LT	(685.22)
B	49+03.47	34.94' LT	685.09
C	49+07.47	35.00' LT	685.05
D	49+11.47	35.06' LT	684.85
E	49+11.88	31.83' LT	684.84
F	49+18.28	34.65' LT	684.41
G	49+18.84	33.32' LT	(684.42)
H	49+24.30	36.28' LT	(684.41)
I	49+23.47	37.66' LT	684.40
J	49+31.04	42.53' LT	685.02
K	49+35.49	46.10' LT	685.10
L	49+39.82	50.24' LT	684.74
M	49+40.84	49.27' LT	(684.75)
N	49+44.76	54.17' LT	(684.82)
O	49+43.57	54.92' LT	684.81
P	49+47.04	62.10' LT	685.31
Q	49+48.25	65.92' LT	685.34
R	49+48.95	69.85' LT	(685.22)
S	49+43.09	70.91' LT	(685.41)
T	49+42.47	67.50' LT	685.43
U	49+41.40	64.14' LT	685.38
V	49+38.47	58.09' LT	684.90
W	49+35.46	54.37' LT	684.83
X	49+31.53	50.61' LT	685.13
Y	49+27.48	47.36' LT	685.05
Z	49+20.38	42.81' LT	684.49
AA	49+15.90	40.35' LT	684.50
BB	49+10.96	39.03' LT	684.85
CC	49+07.43	38.86' LT	685.09
DD	49+03.45	38.82' LT	685.15
EE	48+99.43	38.78' LT	(685.31)



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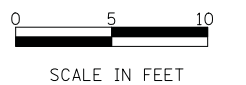
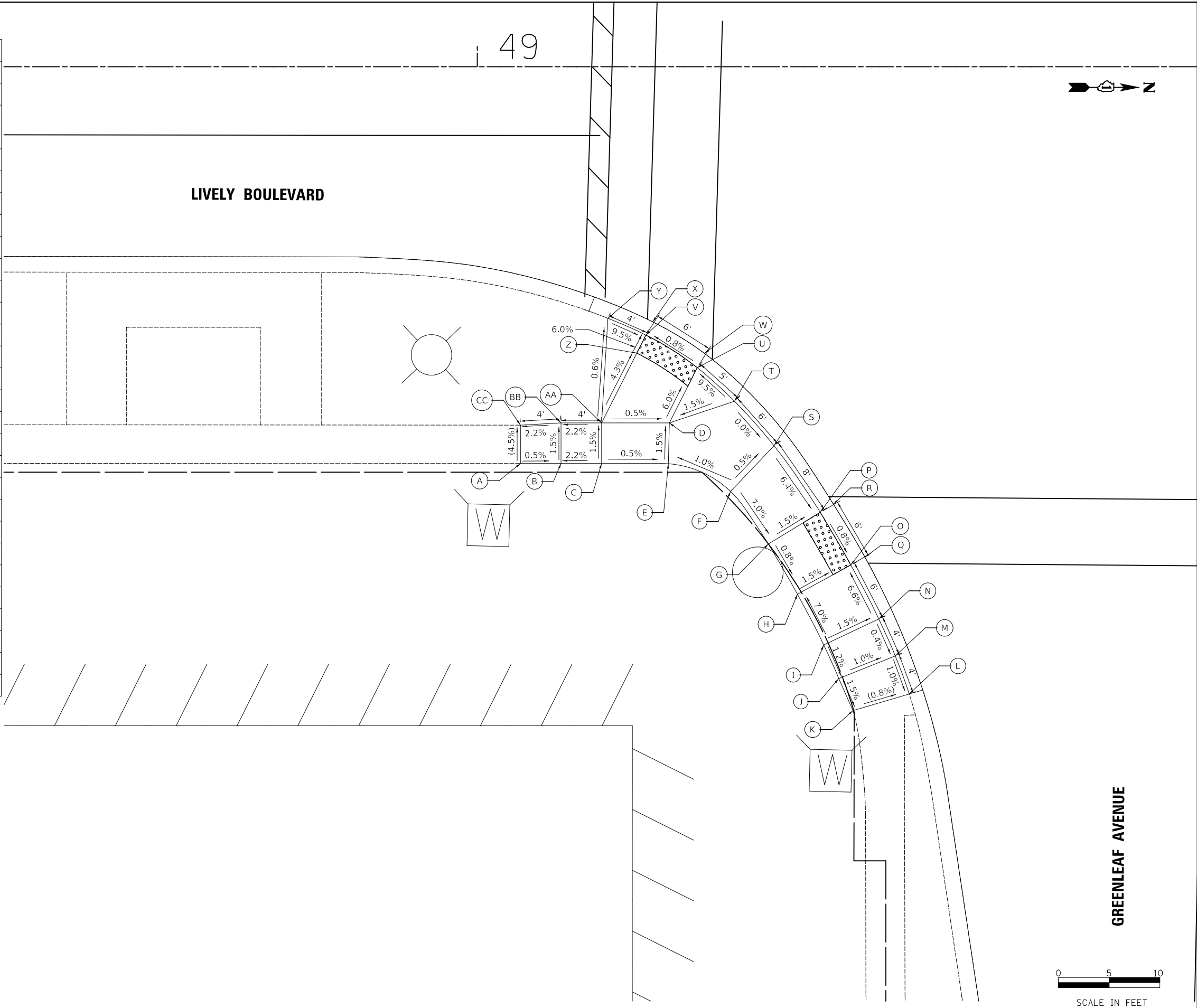
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DRAWN - JAB	REVISED -	
PLOT SCALE = 5,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIVELY BOULEVARD RESURFACING ADA GRADING		
SCALE: 1" = 5'	SHEET 21 OF 39 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	49
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	49+04.26	39.14' RT	(684.56)
B	49+08.26	39.14' RT	684.54
C	49+12.26	39.14' RT	684.62
D	49+18.94	35.13' RT	684.53
E	49+18.84	39.16' RT	684.59
F	49+24.97	41.89' RT	684.66
G	49+28.70	47.08' RT	684.21
H	49+31.57	52.03' RT	684.17
I	49+34.17	57.04' RT	684.56
J	49+35.65	60.35' RT	684.52
K	49+37.05	63.51' RT	(684.47)
L	49+42.59	61.88' RT	(684.42)
M	49+41.22	58.13' RT	684.46
N	49+39.59	54.48' RT	684.47
O	49+36.83	49.15' RT	648.08
P	49+33.82	43.96' RT	684.12
Q	49+38.23	48.38' RT	(684.09)
R	49+35.12	43.16' RT	(684.13)
S	49+29.26	37.39' RT	684.63
T	49+25.36	33.00' RT	684.63
U	49+21.69	29.68' RT	684.16
V	49+16.63	26.48' RT	684.12
W	49+22.40	28.28' RT	(684.17)
X	49+17.29	25.17' RT	(684.13)
Y	49+12.88	24.82' RT	684.51
Z	49+15.73	28.26' RT	684.24
AA	49+12.26	35.14' RT	684.56
BB	49+08.26	35.14' RT	648.48
CC	49+04.26	35.36' RT	(684.39)



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FILE NAME: ...13367_ADA22_GREENLEAF_SEG01

USER NAME = djc	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

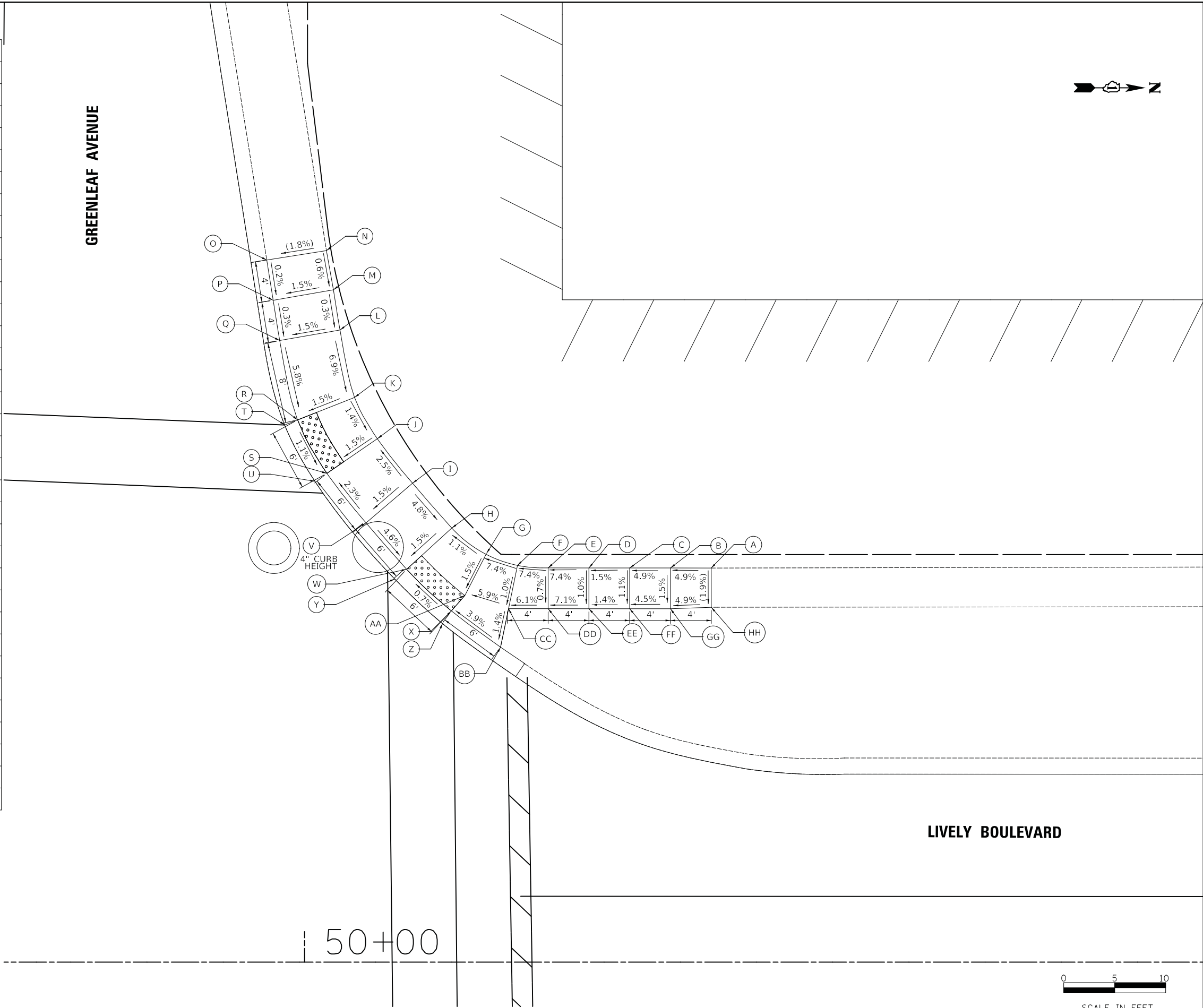
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIVELY BOULEVARD RESURFACING ADA GRADING	
SCALE: 1" = 5'	SHEET 22 OF 39 SHEETS STA. TO STA.

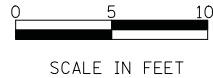
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	50
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

GREENLEAF AVENUE

	STATION	OFFSET	ELEVATION
A	50+39.90	38.68' LT	(685.96)
B	50+35.90	38.68' LT	685.76
C	50+31.90	38.68' LT	685.57
D	50+27.90	38.68' LT	685.51
E	50+23.90	38.69' LT	685.21
F	50+20.89	38.93' LT	684.99
G	50+17.81	40.02' LT	684.75
H	50+14.45	42.59' LT	684.70
I	50+10.60	47.00' LT	684.98
J	50+07.14	51.36' LT	684.85
K	50+04.90	55.41' LT	684.91
L	50+03.48	62.03' LT	685.38
M	50+02.83	65.98' LT	685.39
N	50+02.14	69.82' LT	(685.41)
O	49+96.29	68.90' LT	(685.31)
P	49+96.92	64.95' LT	685.30
Q	49+97.57	61.00' LT	685.29
R	49+99.32	53.21' LT	684.82
S	50+02.20	47.96' LT	684.76
T	49+98.07	52.72' LT	(684.83)
U	50+01.03	47.16' LT	(684.77)
V	50+06.04	43.10' LT	684.90
W	50+10.02	38.55' LT	684.61
X	50+14.41	34.47' LT	684.65
Y	50+08.91	37.54' LT	(684.62)
Z	50+13.41	33.32' LT	(684.66)
AA	50+15.73	35.98' LT	684.69
BB	50+19.24	30.91' LT	684.89
CC	50+20.02	34.69' LT	684.95
DD	50+23.90	34.69' LT	685.18
EE	50+27.90	34.68' LT	685.47
FF	50+31.90	34.68' LT	685.52
GG	50+35.90	34.68' LT	685.70
HH	50+39.91	34.82' LT	(685.89)



MODEL: \\MODEL\NAMES
 FILE NAME: \\33367_A0243_GREENLEAF_NW.dgn



USER NAME = djk	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
PLOT SCALE = 5,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

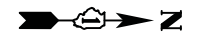
LIVELY BOULEVARD RESURFACING
ADA GRADING

SCALE: 1" = 5' SHEET 23 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	51
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

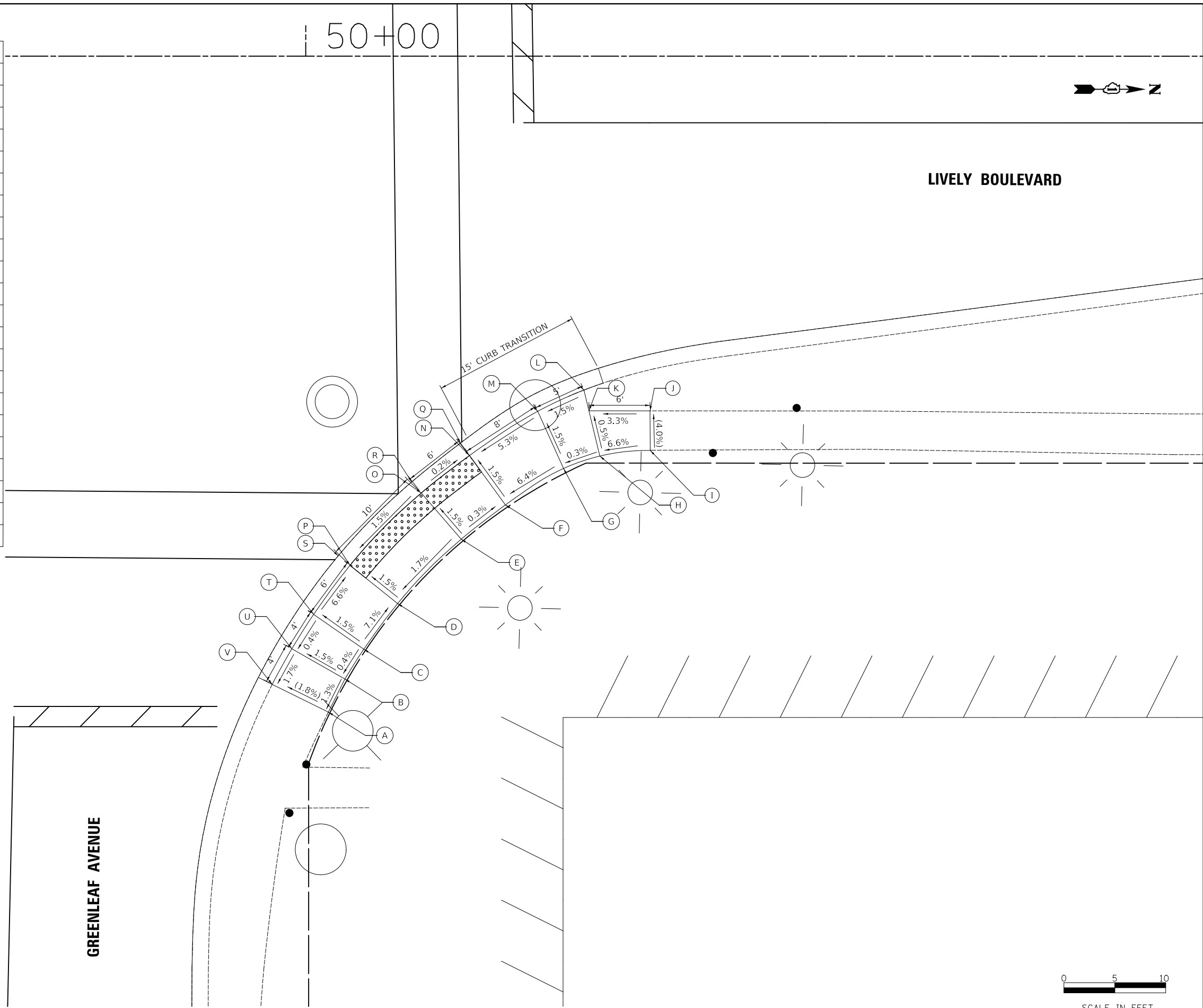
	STATION	OFFSET	ELEVATION
A	50+02.23	64.47' RT	(684.71)
B	50+03.85	61.22' RT	684.76
C	50+05.71	58.29' RT	684.77
D	50+09.03	53.80' RT	684.38
E	50+15.28	47.48' RT	684.52
F	50+19.62	44.11' RT	684.51
G	50+25.34	40.53' RT	684.94
H	50+28.90	39.31' RT	684.95
I	50+33.85	38.75' RT	(685.28)
J	50+33.83	34.86' RT	(685.13)
K	50+27.83	34.86' RT	684.93
L	50+27.34	32.82' RT	684.92
M	50+22.80	34.91' RT	684.84
N	50+16.09	39.26' RT	684.42
O	50+11.36	42.94' RT	684.43
P	50+04.35	50.05' RT	684.29
Q	50+15.21	38.04' RT	(684.43)
R	50+10.42	41.86' RT	(684.44)
S	50+03.20	49.12' RT	(684.30)
T	50+00.78	54.87' RT	684.68
U	49+98.64	58.25' RT	684.67
V	49+96.71	61.75' RT	(684.60)

50+00



LIVELY BOULEVARD

GREENLEAF AVENUE



SCALE IN FEET

MODEL: S:\MODEL\NAMES
FILE NAME: ...13357_ADA24_GREENLEAF_NE.dgn

USER NAME = djc	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

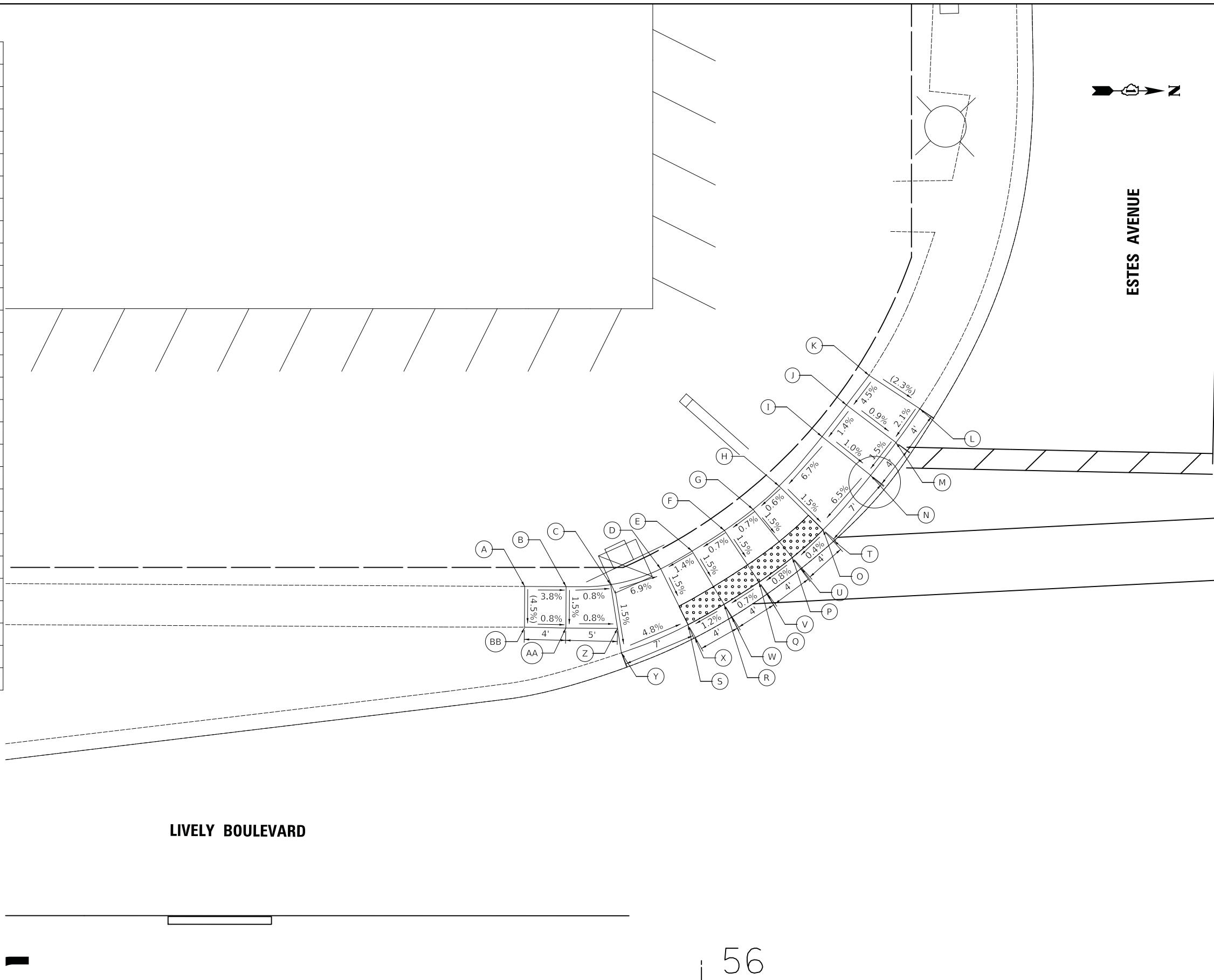
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ADA GRADING**

SCALE: 1" = 5' SHEET 24 OF 39 SHEETS STA. TO STA.

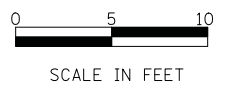
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	52
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	55+82.92	38.16' LT	(688.01)
B	55+86.92	38.13' LT	687.86
C	55+91.23	38.33' LT	687.83
D	55+96.07	39.86' LT	687.48
E	55+99.10	41.57' LT	687.53
F	56+02.23	43.56' LT	687.55
G	56+04.99	45.60' LT	687.58
H	56+07.50	47.86' LT	687.59
I	56+11.65	52.63' LT	688.01
J	56+14.02	55.68' LT	688.07
K	56+16.20	58.56' LT	(688.23)
L	56+21.11	55.33' LT	(688.09)
M	56+18.80	52.06' LT	688.01
N	56+16.35	48.90' LT	687.95
O	56+11.75	43.63' LT	687.50
P	56+08.78	40.95' LT	687.49
Q	56+05.56	38.58' LT	687.46
R	56+02.19	36.43' LT	687.44
S	55+98.71	34.46' LT	687.39
T	56+12.80	42.58' LT	(687.51)
U	56+09.63	39.90' LT	(687.50)
V	56+06.34	37.42' LT	(687.47)
W	56+02.92	35.20' LT	(687.45)
X	55+99.34	33.18' LT	(687.40)
Y	55+92.27	31.74' LT	(687.73)
Z	55+91.89	34.11' LT	687.76
AA	55+86.90	34.13' LT	687.80
BB	55+82.90	34.23' LT	(687.84)



LIVELY BOULEVARD

56



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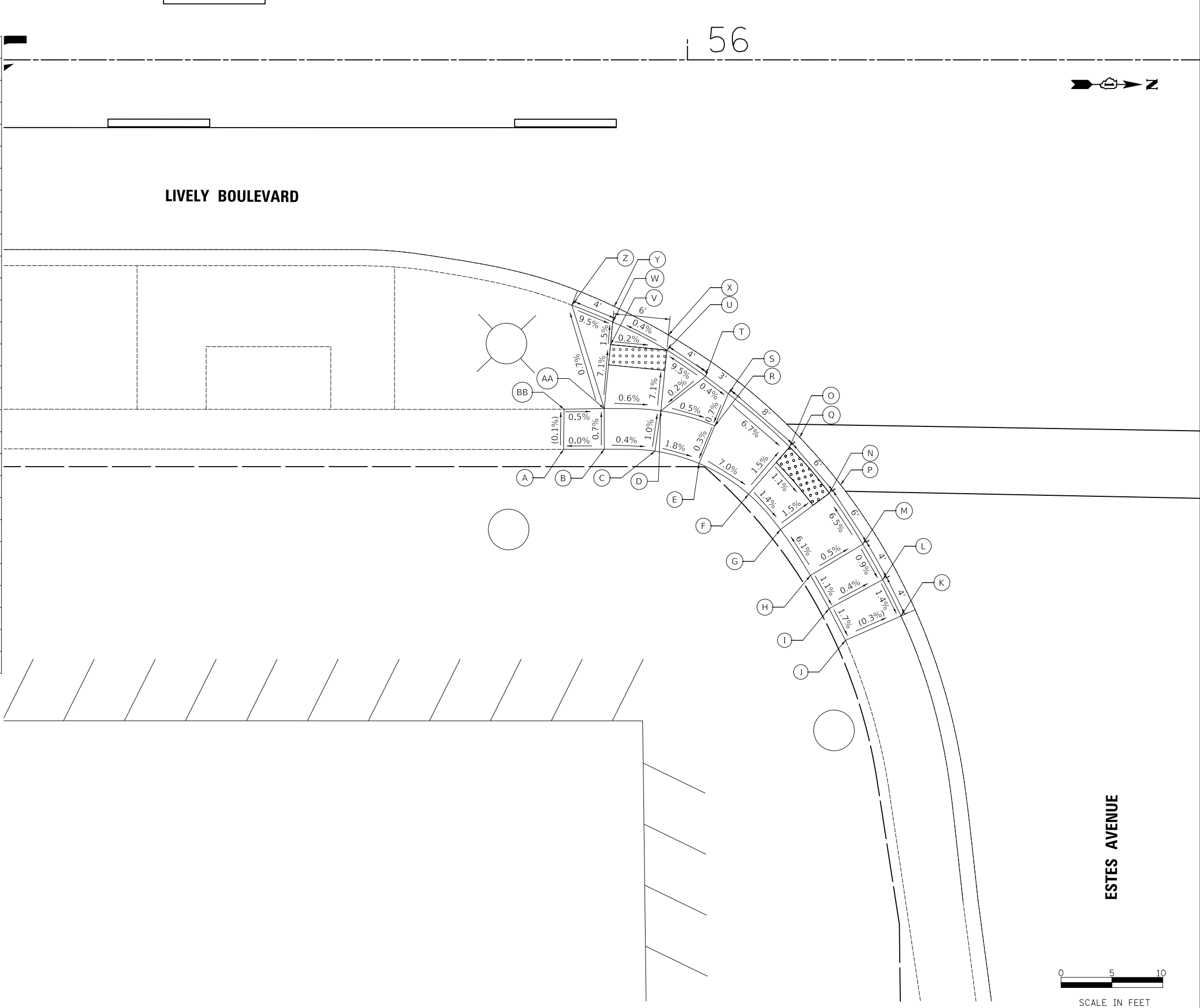
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DRAWN - JAB	REVISIONS -	
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIVELY BOULEVARD RESURFACING ADA GRADING	
SCALE: 1" = 5'	SHEET 25 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	53
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	55+87.82	38.30' RT	(687.69)
B	55+91.82	38.29' RT	687.69
C	55+96.80	38.48' RT	687.67
D	55+97.39	34.52' RT	687.63
E	56+01.14	39.68' RT	687.59
F	56+06.01	42.71' RT	687.18
G	56+09.15	46.19' RT	687.11
H	56+12.10	50.70' RT	687.44
I	56+13.94	53.96' RT	687.40
J	56+15.55	57.08' RT	(687.34)
K	56+21.00	54.69' RT	(687.32)
L	56+19.22	51.11' RT	687.38
M	56+17.25	47.63' RT	687.41
N	56+13.96	42.61' RT	687.02
O	56+10.05	38.07' RT	687.09
P	56+15.06	41.80' RT	(687.03)
Q	56+10.96	37.02' RT	(687.10)
R	56+02.69	35.99' RT	687.60
S	56+04.02	32.82' RT	687.63
T	56+01.77	31.12' RT	687.64
U	55+97.97	28.54' RT	687.20
V	55+92.43	28.00' RT	687.21
W	55+92.65	25.77' RT	687.18
X	55+98.12	27.06' RT	(687.21)
Y	55+92.80	24.25' RT	(687.19)
Z	55+88.63	24.12' RT	(687.59)
AA	55+91.81	34.29' RT	687.66
BB	55+87.86	34.36' RT	(687.68)



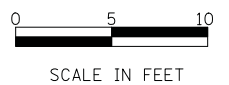
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

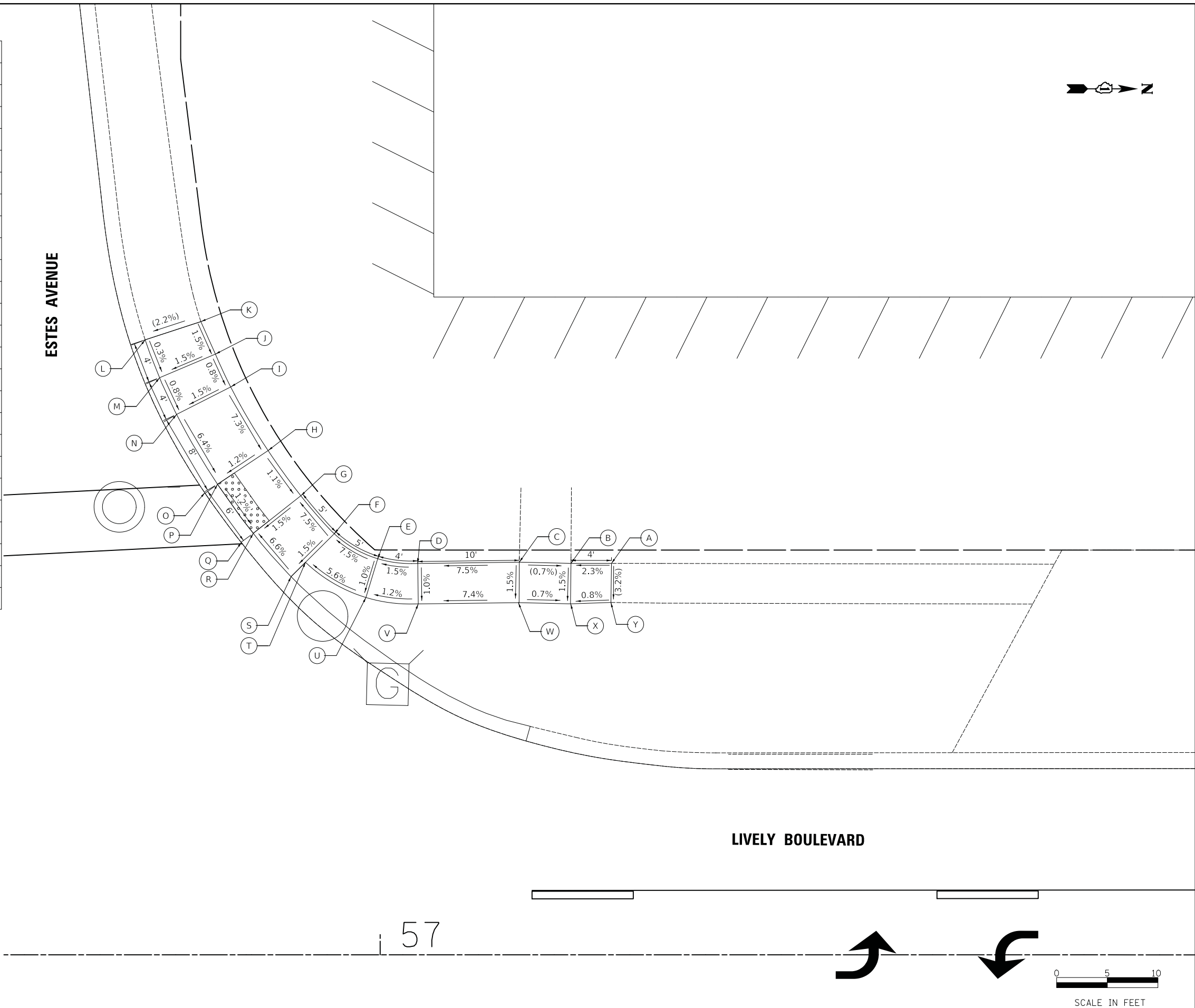
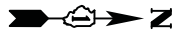
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING ADA GRADING			
SCALE: 1" = 5'	SHEET 26 OF 39 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	54
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	57+22.79	34.82' LT	689.23
B	57+18.84	38.68' LT	689.14
C	57+13.74	38.80' LT	689.17
D	57+03.71	38.67' LT	688.42
E	56+99.76	39.14' LT	688.36
F	56+95.46	41.61' LT	687.99
G	56+92.16	45.36' LT	687.61
H	56+88.93	49.82' LT	687.67
I	56+85.23	56.11' LT	688.20
J	56+83.72	59.36' LT	688.23
K	56+82.29	62.56' LT	688.28
L	56+76.79	60.76' LT	688.15
M	56+78.21	57.03' LT	688.14
N	56+79.89	53.40' LT	688.11
O	56+82.68	45.67' LT	687.61
P	56+83.93	46.50' LT	687.60
Q	56+86.30	40.76' LT	687.53
R	56+87.46	41.65' LT	687.52
S	56+91.20	37.37' LT	687.90
T	56+92.62	38.78' LT	687.93
U	56+98.60	35.31' LT	688.32
V	57+03.76	34.67' LT	688.38
W	57+13.72	34.80' LT	689.11
X	57+18.80	34.68' LT	689.08
Y	57+22.79	34.82' LT	689.11



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 FILE NAME: \\3367_A0247_ESTES_NW.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

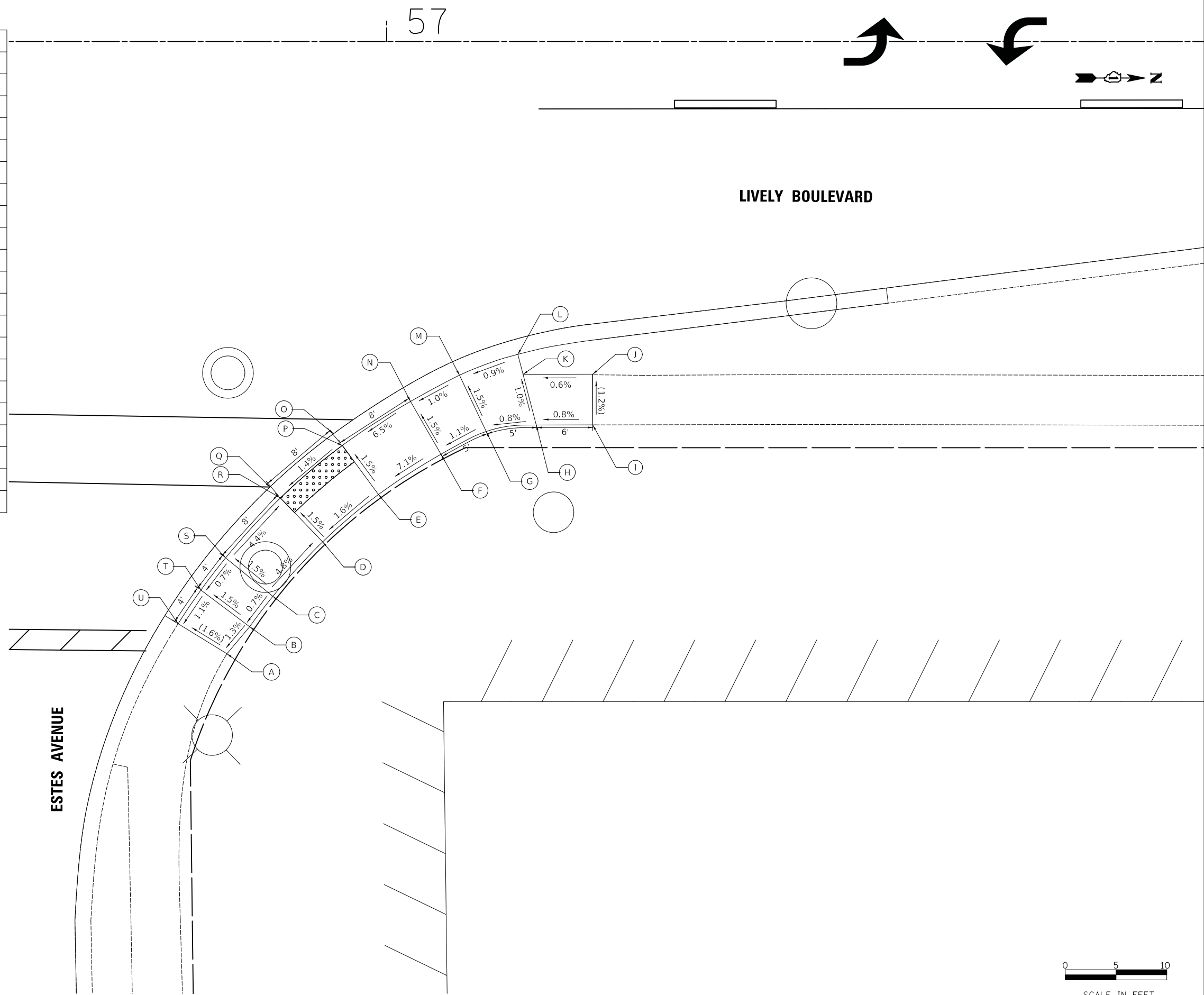
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING ADA GRADING			
SCALE: 1" = 5'	SHEET 27 OF 39 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	55
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

SCALE IN FEET

	STATION	OFFSET	ELEVATION
A	56+84.27	60.29' RT	687.62
B	56+86.52	57.64' RT	687.66
C	56+88.79	54.64' RT	687.69
D	56+93.70	49.28' RT	687.34
E	56+99.20	44.61' RT	687.45
F	57+05.35	40.65' RT	687.97
G	57+09.81	38.40' RT	688.03
H	57+14.74	37.77' RT	688.07
I	57+20.29	37.76' RT	688.11
J	57+20.28	32.76' RT	688.06
K	57+13.43	32.77' RT	688.02
L	57+12.92	30.81' RT	688.00
M	57+07.17	32.87' RT	687.94
N	57+02.35	35.45' RT	687.88
O	56+94.78	38.63' RT	687.37
P	56+95.63	39.78' RT	687.36
Q	56+88.51	43.88' RT	687.26
R	56+89.54	44.95' RT	687.25
S	56+84.14	50.85' RT	687.60
T	56+81.71	54.03' RT	687.57
U	56+79.47	57.34' RT	687.53



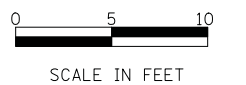
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USER NAME = djc	DESIGNED - KDC	REVISED -
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PLOT DATE = 11/8/2018	CHECKED - DJK	REVISED -
	DATE - 10/05/2018	REVISED -

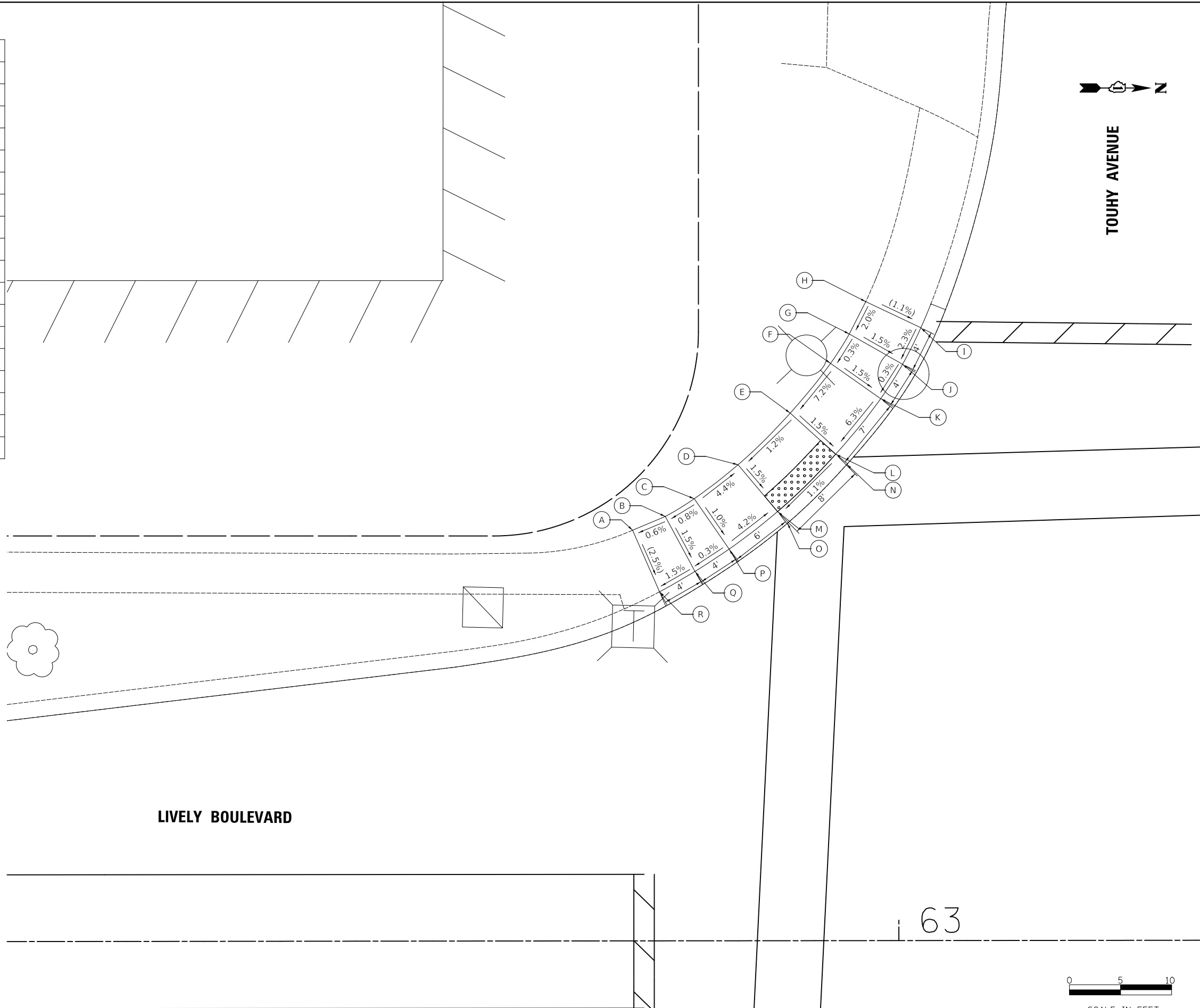
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING	
ADA GRADING	
SCALE: 1" = 5'	SHEET 28 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	56
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	62+73.98	40.22' LT	(691.22)
B	62+77.18	41.56' LT	691.24
C	62+80.02	43.29' LT	691.22
D	62+84.31	46.62' LT	691.00
E	62+89.42	51.67' LT	691.08
F	62+93.38	56.53' LT	691.53
G	62+95.21	59.41' LT	691.54
H	62+96.83	62.58' LT	(691.61)
I	63+02.22	60.02' LT	(691.54)
J	63+00.43	56.44' LT	691.45
K	62+98.28	53.07' LT	691.44
L	62+93.87	47.64' LT	690.99
M	62+88.17	42.03' LT	690.91
N	62+94.95	46.65' LT	(691.00)
O	62+89.14	40.89' LT	(690.92)
P	62+83.43	38.36' LT	691.16
Q	62+80.08	36.17' LT	691.15
R	62+76.61	34.18' LT	(691.06)



LIVELY BOULEVARD

63



SCALE IN FEET

MODEL: \\MODEL\NAME: FILE: NAME: ... ADAS19_TOUHY_SIV.dgn

USER NAME = djc	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

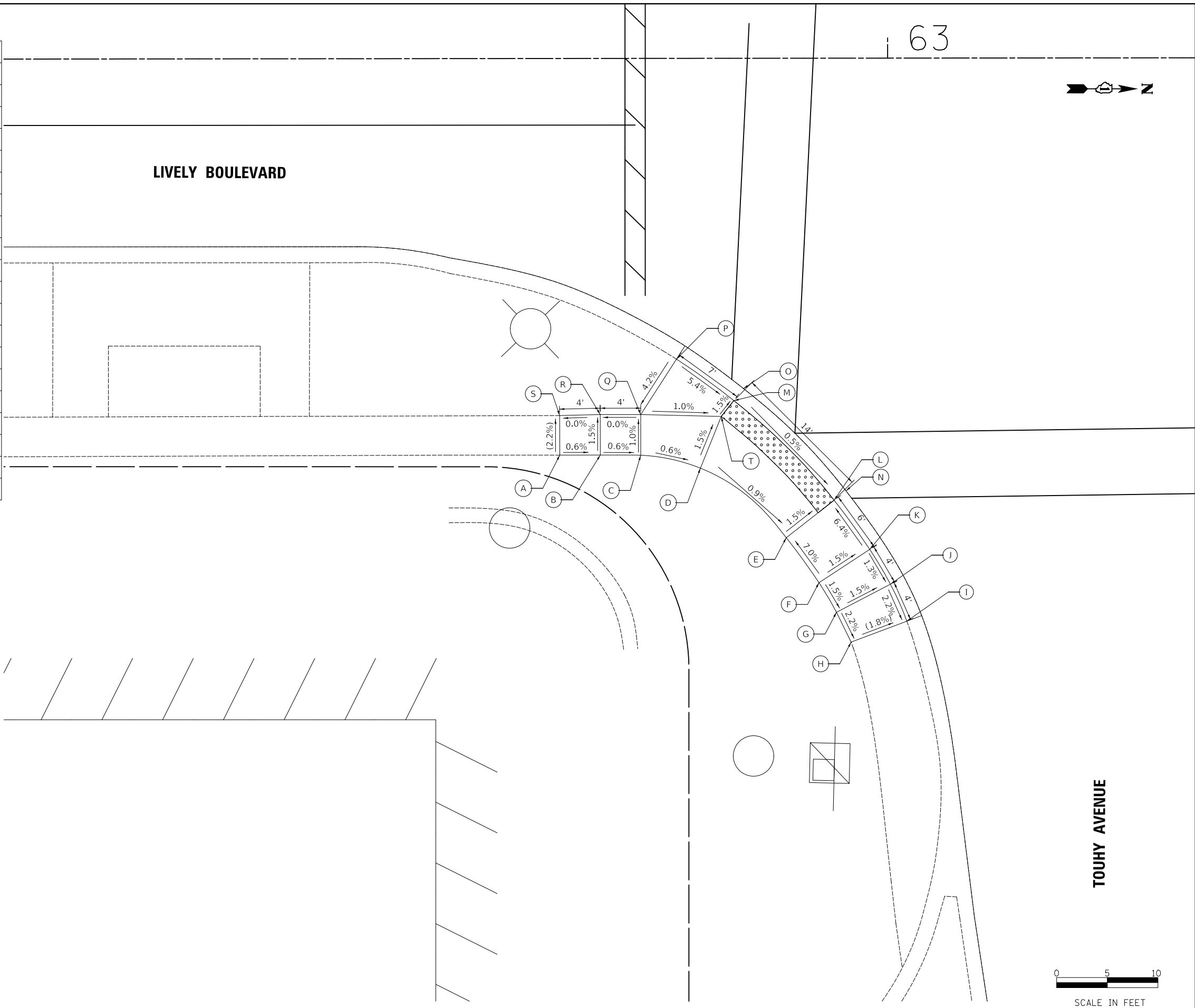
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING
ADA GRADING

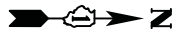
SCALE: 1" = 5' SHEET 29 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	57
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	62+67.58	39.19' RT	(690.80)
B	62+71.58	39.19' RT	690.77
C	62+75.58	39.21' RT	690.75
D	62+81.47	40.50' RT	690.72
E	62+89.94	47.37' RT	690.62
F	62+93.16	51.82' RT	691.01
G	62+94.89	54.75' RT	690.96
H	62+96.33	57.70' RT	(690.89)
I	63+01.83	55.64' RT	(690.78)
J	63+00.21	51.99' RT	690.87
K	62+98.19	48.54' RT	690.92
L	62+94.67	43.68' RT	690.53
M	62+84.78	33.83' RT	690.61
N	62+95.84	42.77' RT	(690.54)
O	62+85.72	32.65' RT	(690.62)
P	62+79.11	29.72' RT	690.98
Q	62+75.58	35.19' RT	690.71
R	62+71.58	35.19' RT	690.71
S	62+67.57	35.28' RT	(690.71)
T	62+79.11	29.72' LT	690.64



63



LIVELY BOULEVARD

TOUHY AVENUE



SCALE IN FEET

MODEL: \\MODEL\NAME: FILE: NAME: ..._ADAS30_TOUHY_SE.dgn

USER NAME = djc	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

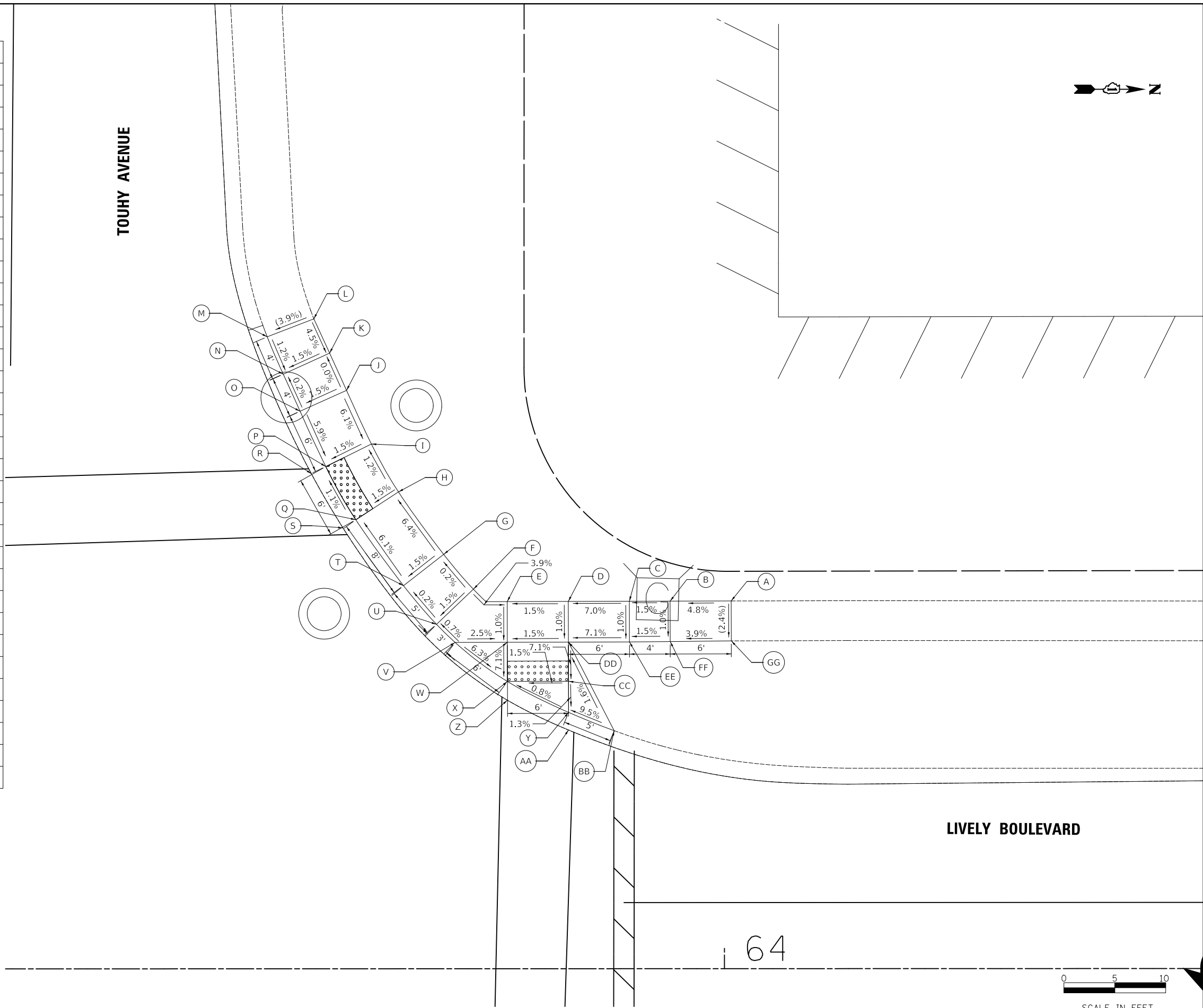
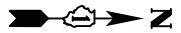
**LIVELY BOULEVARD RESURFACING
ADA GRADING**

SCALE: 1" = 5' SHEET 30 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	58
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

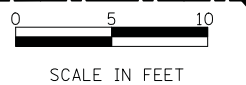
	STATION	OFFSET	ELEVATION
A	64+00.67	36.15' LT	(692.07)
B	63+94.67	36.13' LT	691.78
C	63+90.67	36.12' LT	691.72
D	63+84.67	36.10' LT	691.30
E	63+78.67	36.09' LT	691.21
F	63+75.34	37.30' LT	691.36
G	63+72.43	40.73' LT	691.35
H	63+67.99	46.87' LT	690.86
I	63+65.33	51.58' LT	690.80
J	63+62.89	56.85' LT	691.15
K	63+61.23	60.51' LT	691.15
L	63+59.68	63.89' LT	(691.31)
M	63+55.10	62.12' LT	(691.12)
N	63+56.67	58.45' LT	691.07
O	63+58.33	54.80' LT	691.08
P	63+60.85	49.36' LT	690.72
Q	63+63.80	44.14' LT	690.79
R	63+59.44	48.66' LT	(690.73)
S	63+62.54	43.32' LT	(690.80)
T	63+68.48	37.66' LT	691.27
U	63+71.73	33.85' LT	691.28
V	63+73.55	32.08' LT	691.30
W	63+78.68	32.09' LT	691.17
X	63+78.69	28.24' LT	690.90
Y	63+84.70	25.20' LT	690.95
Z	63+78.69	26.40' LT	(690.91)
AA	63+84.70	23.47' LT	(690.96)
BB	63+89.18	23.40' LT	691.41
CC	63+84.69	28.25' LT	690.99
DD	63+84.68	32.10' LT	691.26
EE	63+90.68	32.12' LT	691.68
FF	63+94.68	32.15' LT	691.74
GG	64+00.68	32.22' LT	(691.98)

TOUHY AVENUE



LIVELY BOULEVARD

64



SCALE IN FEET

MODEL: 6406ELNAME
FILE NAME: 180507_A0431_TOUHY_NW.dwg

USER NAME = djk	DESIGNED - KDC	REVISED -
PLOT SCALE = 5,0000' / in.	DRAWN - JAB	REVISED -
PLOT DATE = 11/8/2018	CHECKED - DJK	REVISED -
	DATE - 10/05/2018	REVISED -

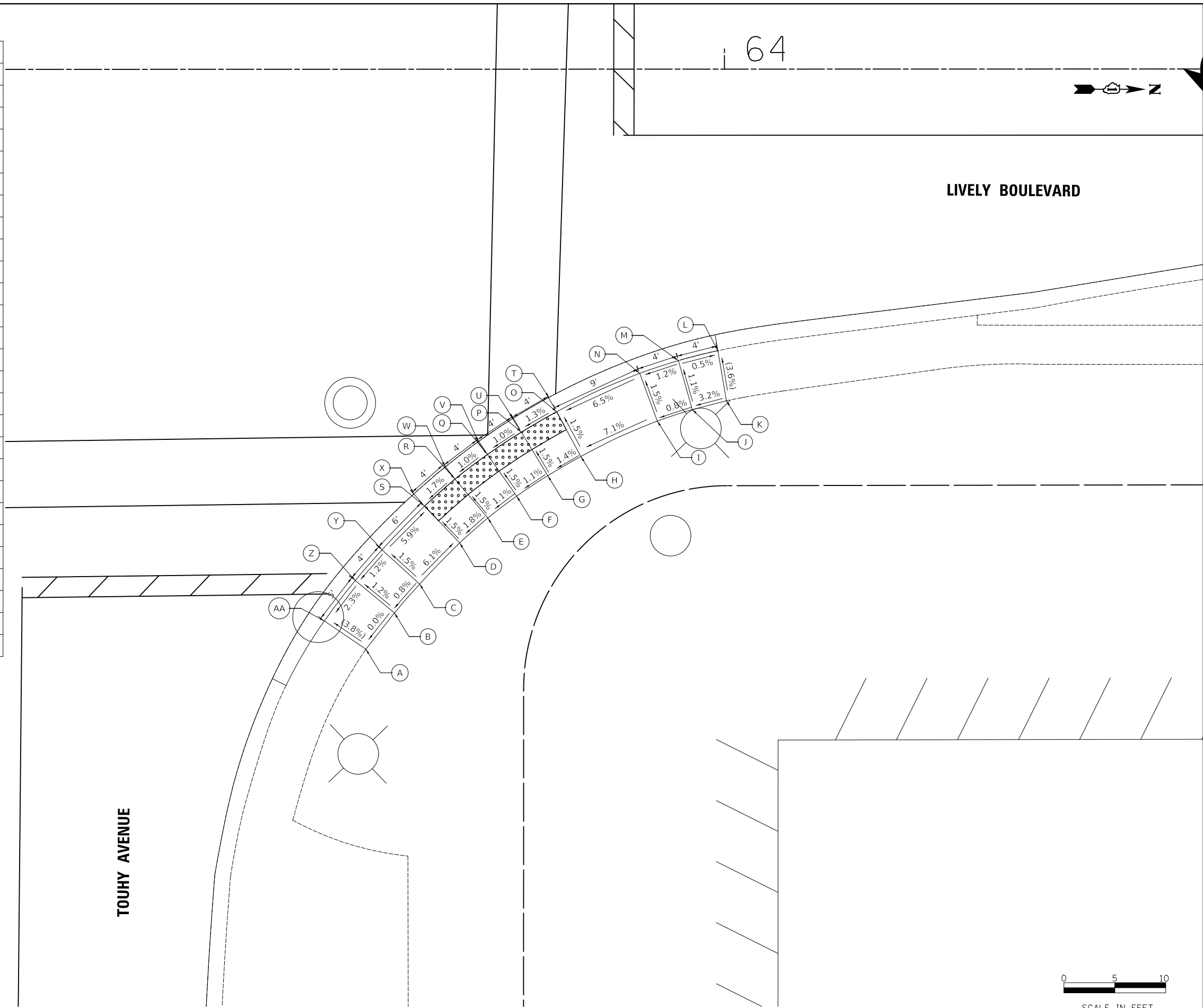
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING
ADA GRADING

SCALE: 1" = 5' SHEET 31 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	59
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	63+64.76	57.00' RT	(690.36)
B	63+67.56	53.44' RT	690.36
C	63+70.05	50.60' RT	690.39
D	63+73.97	46.56' RT	690.05
E	63+76.74	44.11' RT	690.12
F	63+79.57	41.96' RT	690.16
G	63+82.63	39.96' RT	690.20
H	63+85.89	38.07' RT	690.25
I	63+93.39	34.59' RT	690.84
J	63+96.83	33.46' RT	690.87
K	64+00.18	32.60' RT	(690.98)
L	63+99.35	27.67' RT	(690.80)
M	63+95.47	28.65' RT	690.81
N	63+91.67	29.90' RT	690.76
O	63+83.51	33.67' RT	690.18
P	63+80.05	35.68' RT	690.13
Q	63+76.70	37.87' RT	690.09
R	63+73.52	40.29' RT	690.05
S	63+70.52	42.94' RT	689.98
T	63+82.74	32.26' RT	(690.19)
U	63+79.21	34.31' RT	(690.14)
V	63+75.81	36.61' RT	(690.10)
W	63+72.53	39.11' RT	(690.06)
X	63+69.42	41.79' RT	(689.99)
Y	63+66.34	47.24' RT	690.33
Z	63+63.71	50.26' RT	690.28
AA	63+60.67	54.22' RT	(690.17)



MODEL: \\MODEL\NAMES
 FILE NAME: \\33567_ADA32_TOUHY_NE.dgn

USER NAME = djc	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
PLOT SCALE = 5,000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

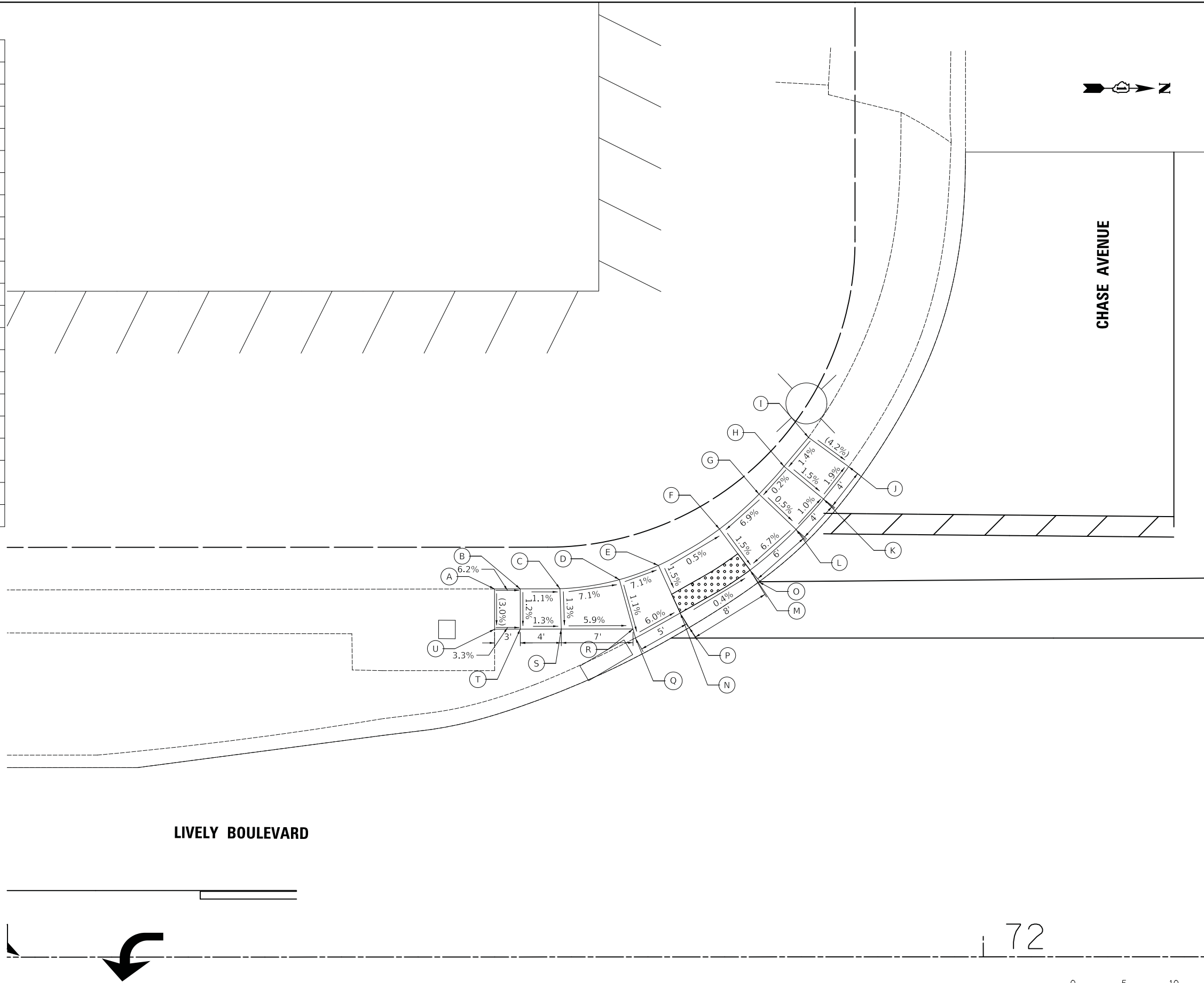
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ADA GRADING**

SCALE: 1" = 5' SHEET 32 OF 39 SHEETS STA. TO STA.

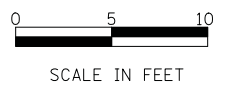
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	60
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	71+52.33	35.93' LT	(690.76)
B	71+54.83	35.93' LT	690.61
C	71+58.71	35.95' LT	690.56
D	71+64.51	36.83' LT	690.15
E	71+68.31	38.22' LT	689.86
F	71+74.28	41.77' LT	689.82
G	71+78.13	45.18' LT	690.17
H	71+80.57	47.88' LT	690.18
I	71+82.96	50.71' LT	(690.23)
J	71+86.88	47.85' LT	(690.03)
K	71+84.43	44.69' LT	690.11
L	71+81.75	41.72' LT	690.15
M	71+77.26	37.75' LT	689.75
N	71+70.44	33.57' LT	689.78
O	71+78.12	36.60' LT	(689.76)
P	71+71.12	32.06' LT	(689.79)
Q	71+66.08	31.14' LT	690.08
R	71+65.84	32.01' LT	690.09
S	71+58.84	32.00' LT	690.51
T	71+54.84	32.00' LT	690.56
U	71+52.33	32.00' LT	(690.64)



LIVELY BOULEVARD

72



MODEL: 44001ELNAMES
FILE NAME: 113307_ADA33_CHASE_SW.dgn

USER NAME = djk	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

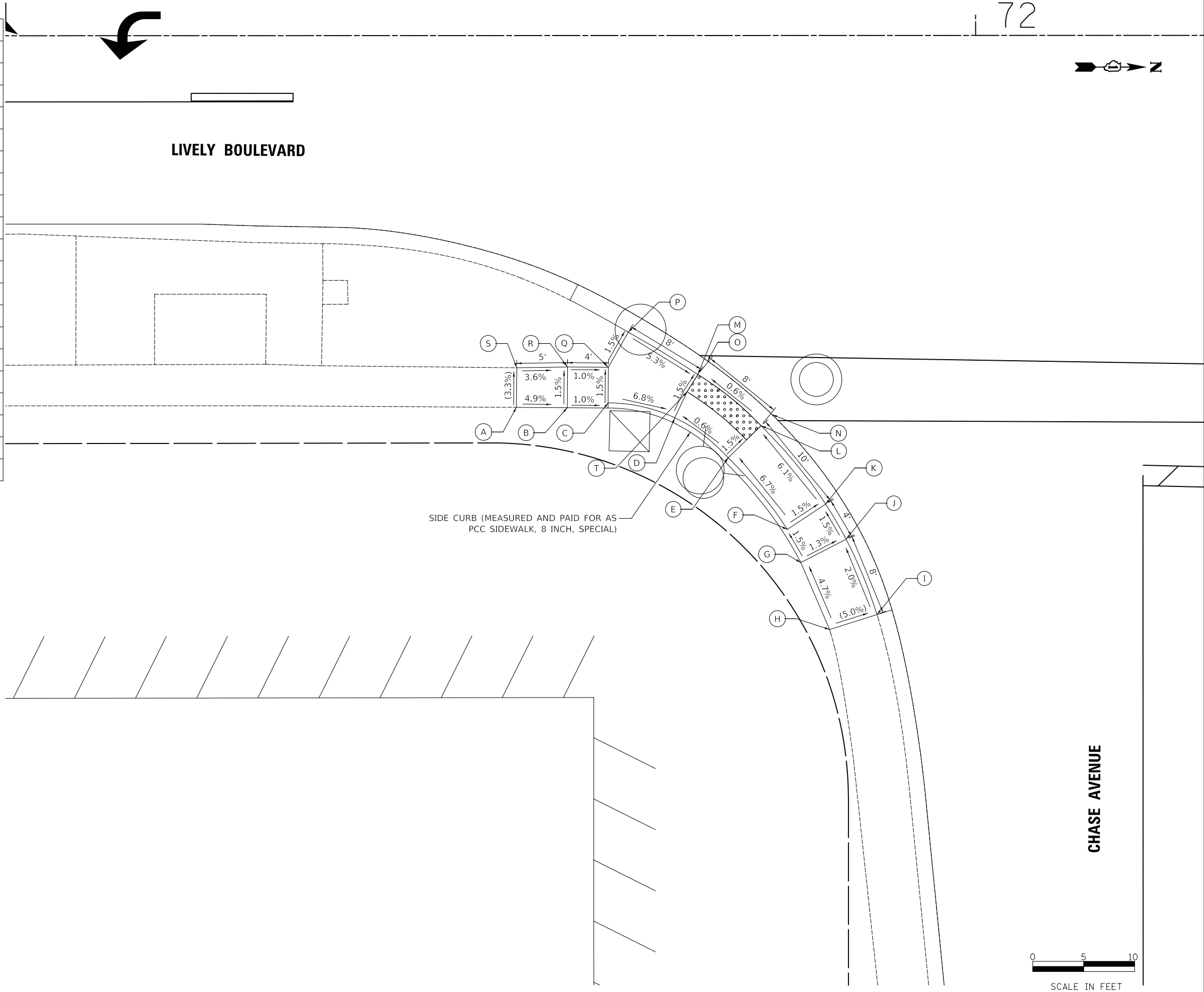
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING
ADA GRADING

SCALE: 1" = 5' SHEET 33 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	61
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	71+54.91	36.51' RT	(690.45)
B	71+59.91	36.55' RT	690.20
C	71+63.91	36.07' RT	690.16
D	71+70.46	37.54' RT	689.70
E	71+75.71	41.46' RT	689.74
F	71+81.50	48.50' RT	689.35
G	71+82.82	51.76' RT	690.40
H	71+85.65	58.33' RT	(690.74)
I	71+90.30	56.87' RT	(690.50)
J	71+87.27	49.48' RT	690.34
K	71+85.26	46.02' RT	690.28
L	71+78.92	38.31' RT	689.67
M	71+72.73	33.28' RT	689.63
N	71+80.02	37.23' RT	(689.68)
O	71+73.67	31.96' RT	(689.64)
P	71+65.89	29.13' RT	690.05
Q	71+63.93	32.57' RT	690.10
R	71+59.93	32.58' RT	690.14
S	71+54.95	32.62' RT	(690.32)
T	71+71.66	34.98' RT	689.66



MODEL: \\MODEL\NAME: FILE: NAME: ... 11/8/2018

USER NAME = djc	DESIGNED - KDC	REVISED -
PLOT SCALE = 5.0000' / in.	DRAWN - JAB	REVISED -
PLOT DATE = 11/8/2018	CHECKED - DJK	REVISED -
	DATE - 10/05/2018	REVISED -

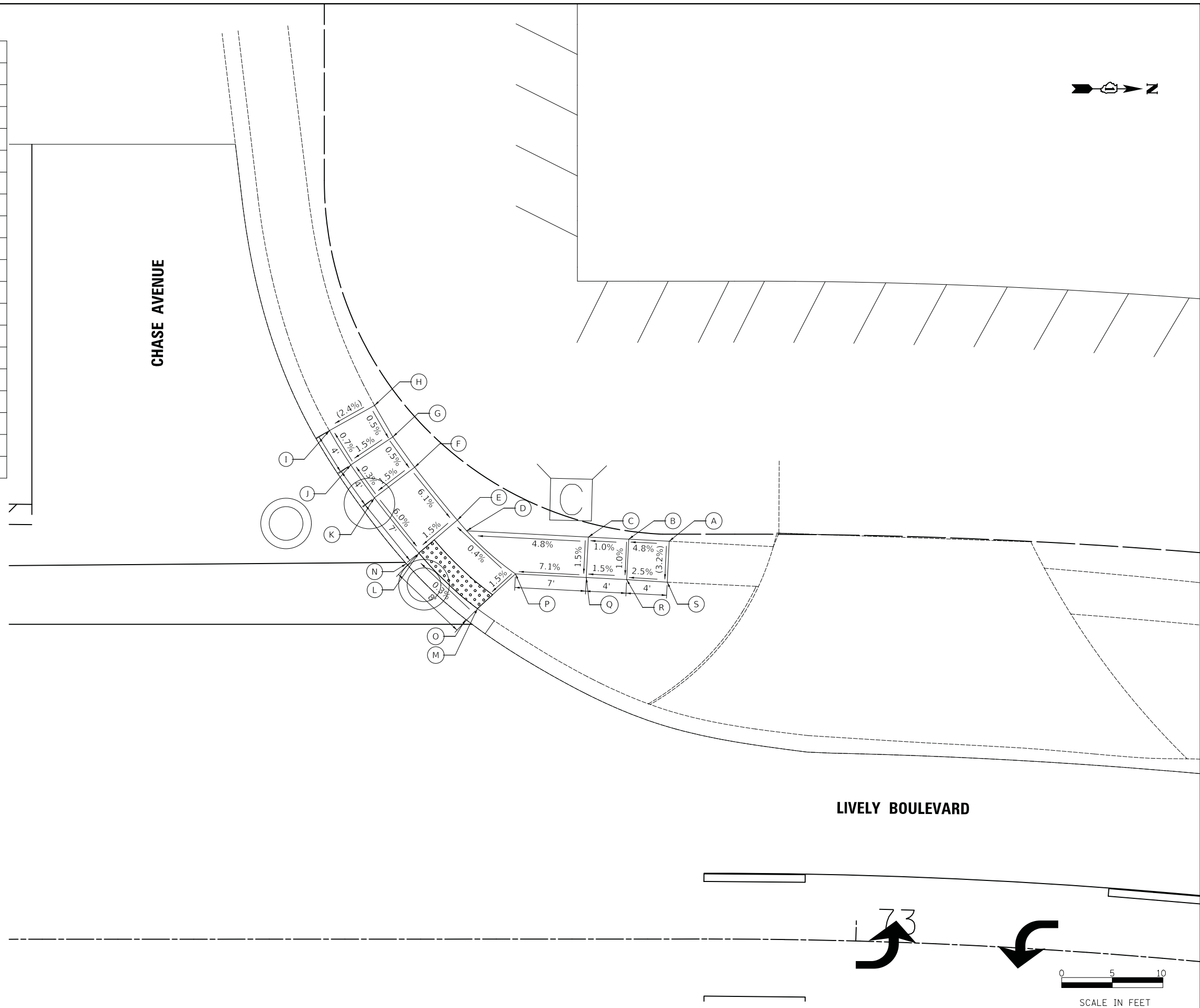
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING ADA GRADING

SCALE: 1" = 5' SHEET 34 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	62
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	72+81.57	39.31' LT	(690.84)
B	72+77.58	39.51' LT	690.65
C	72+73.59	39.72' LT	690.61
D	72+61.56	40.34' LT	690.03
E	72+60.64	41.40' LT	690.03
F	72+56.43	46.62' LT	690.44
G	72+54.28	49.63' LT	690.46
H	72+57.47	52.74' LT	(690.48)
I	72+48.01	50.25' LT	(690.36)
J	72+50.12	46.85' LT	690.38
K	72+52.45	43.60' LT	690.37
L	72+56.84	38.15' LT	689.95
M	72+62.62	32.65' LT	689.98
N	72+55.61	37.10' LT	(689.96)
O	72+61.48	31.60' LT	(689.99)
P	72+66.39	36.09' LT	690.06
Q	72+73.38	35.72' LT	690.55
R	72+77.37	35.52' LT	690.61
S	72+81.38	35.26' LT	(690.71)



MODEL: \\MODEL\NAME: FILE: NAME: ...13367_ADA35_CHASE_NW.dgn

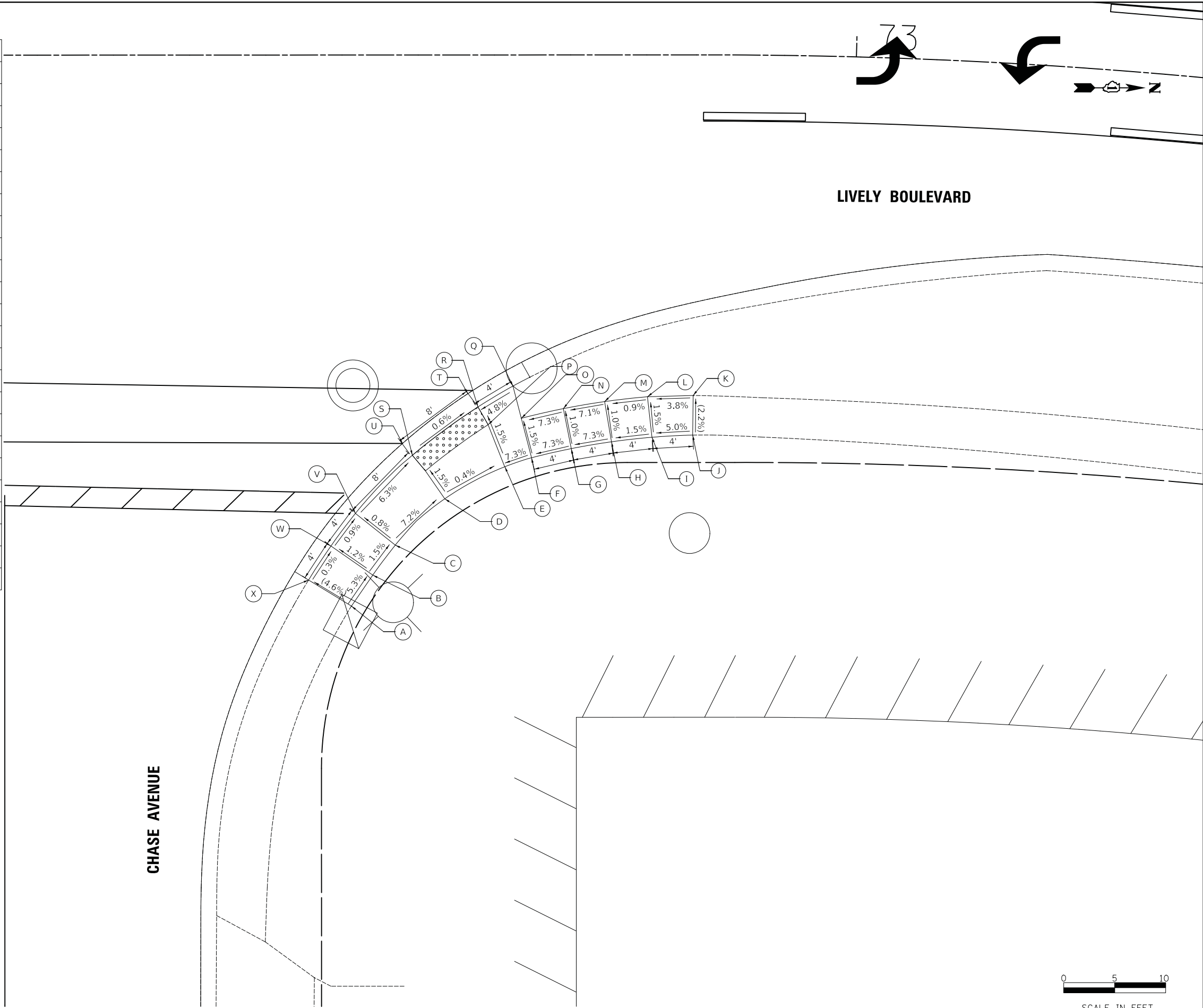
USER NAME = djc	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIVELY BOULEVARD RESURFACING ADA GRADING	
SCALE: 1" = 5'	SHEET 35 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	63
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	72+50.43	54.07' RT	(690.37)
B	72+52.53	51.04' RT	690.17
C	72+54.74	48.10' RT	690.12
D	72+59.59	43.55' RT	689.66
E	72+65.49	40.41' RT	689.63
F	72+68.11	39.53' RT	689.83
G	72+72.01	38.63' RT	690.12
H	72+75.95	37.97' RT	690.41
I	72+79.93	37.52' RT	690.47
J	72+83.92	37.31' RT	(690.67)
K	72+83.97	33.42' RT	(690.59)
L	72+79.48	33.55' RT	690.41
M	72+75.28	34.02' RT	690.37
N	72+71.23	34.71' RT	690.08
O	72+67.11	35.66' RT	689.77
P	72+63.83	36.29' RT	689.56
Q	72+66.29	32.49' RT	689.72
R	72+62.85	34.54' RT	689.53
S	72+56.42	39.28' RT	689.58
T	72+61.86	33.25' RT	(689.54)
U	72+55.44	38.12' RT	(689.59)
V	72+50.83	44.99' RT	690.08
W	72+48.42	48.18' RT	690.11
X	72+46.23	51.53' RT	(690.13)



MODEL: \\MODEL\NAME
 FILE NAME: \\33307_ADA36_CHASE_NE.dgn

USER NAME = djc	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

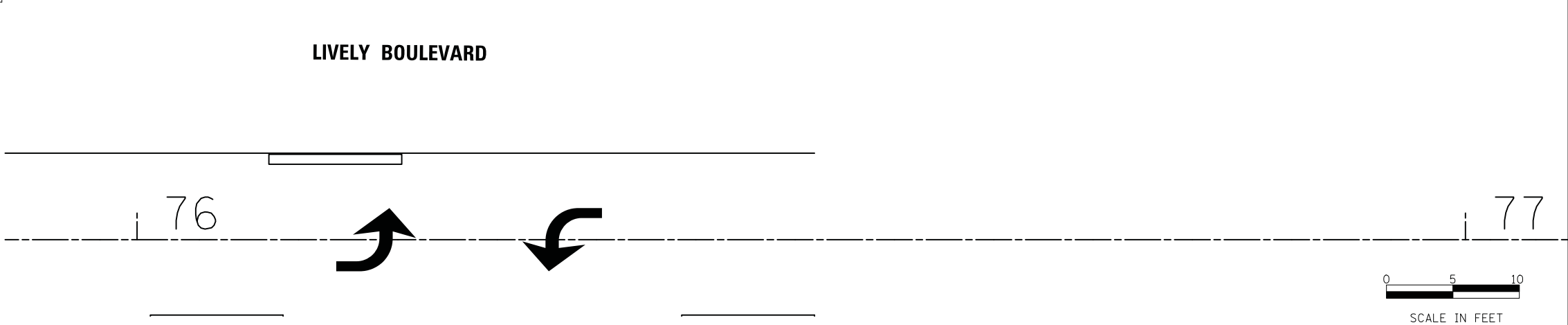
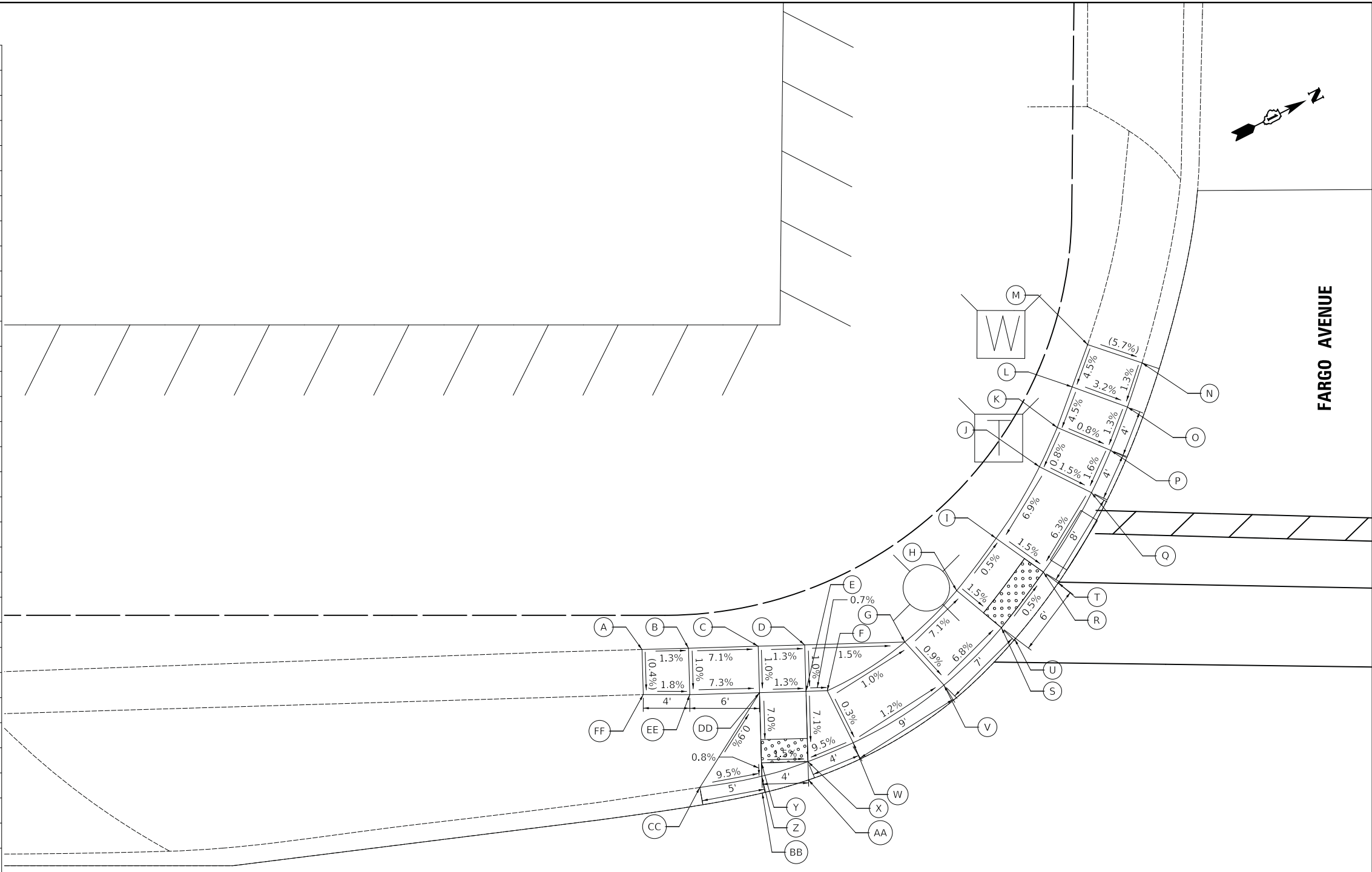
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING
ADA GRADING

SCALE: 1" = 5' SHEET 36 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	64
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	76+44.92	37.11' LT	(690.49)
B	76+48.92	37.23' LT	690.44
C	76+54.91	37.40' LT	690.01
D	76+58.91	37.51' LT	689.96
E	76+59.03	33.51' LT	689.92
F	76+60.86	33.57' LT	689.91
G	76+67.53	37.76' LT	689.83
H	76+71.99	42.19' LT	689.39
I	76+75.38	46.69' LT	689.36
J	76+79.11	52.85' LT	689.86
K	76+80.64	56.22' LT	689.89
L	76+81.92	59.72' LT	690.06
M	76+83.26	63.36' LT	(690.23)
N	76+87.94	61.78' LT	(689.96)
O	76+86.69	57.99' LT	689.90
P	76+85.24	54.26' LT	689.85
Q	76+83.59	50.62' LT	689.78
R	76+79.45	43.78' LT	689.28
S	76+75.84	38.99' LT	689.31
T	76+80.74	42.86' LT	(689.29)
U	76+77.01	38.02' LT	(689.30)
V	76+70.89	34.05' LT	689.79
W	76+63.09	29.09' LT	689.90
X	76+59.19	27.46' LT	689.49
Y	76+55.19	27.36' LT	689.55
Z	76+55.22	26.21' LT	689.54
AA	76+59.23	25.08' LT	(689.50)
BB	76+55.26	24.77' LT	(689.55)
CC	76+49.89	25.24' LT	(690.06)
DD	76+55.03	33.40' LT	689.97
EE	76+49.03	33.23' LT	690.41
FF	76+45.03	33.24' LT	(690.48)



MODEL: \\MODEL\NAME: FILE: NAME: ... 11/8/2018

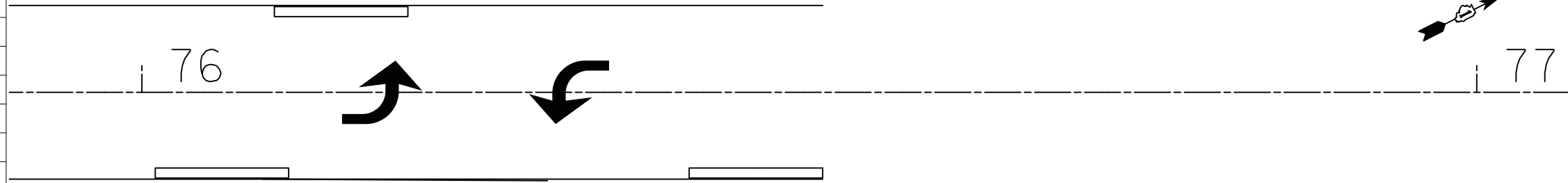
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DRAWN - JAB	REVISIONS -	
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

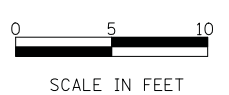
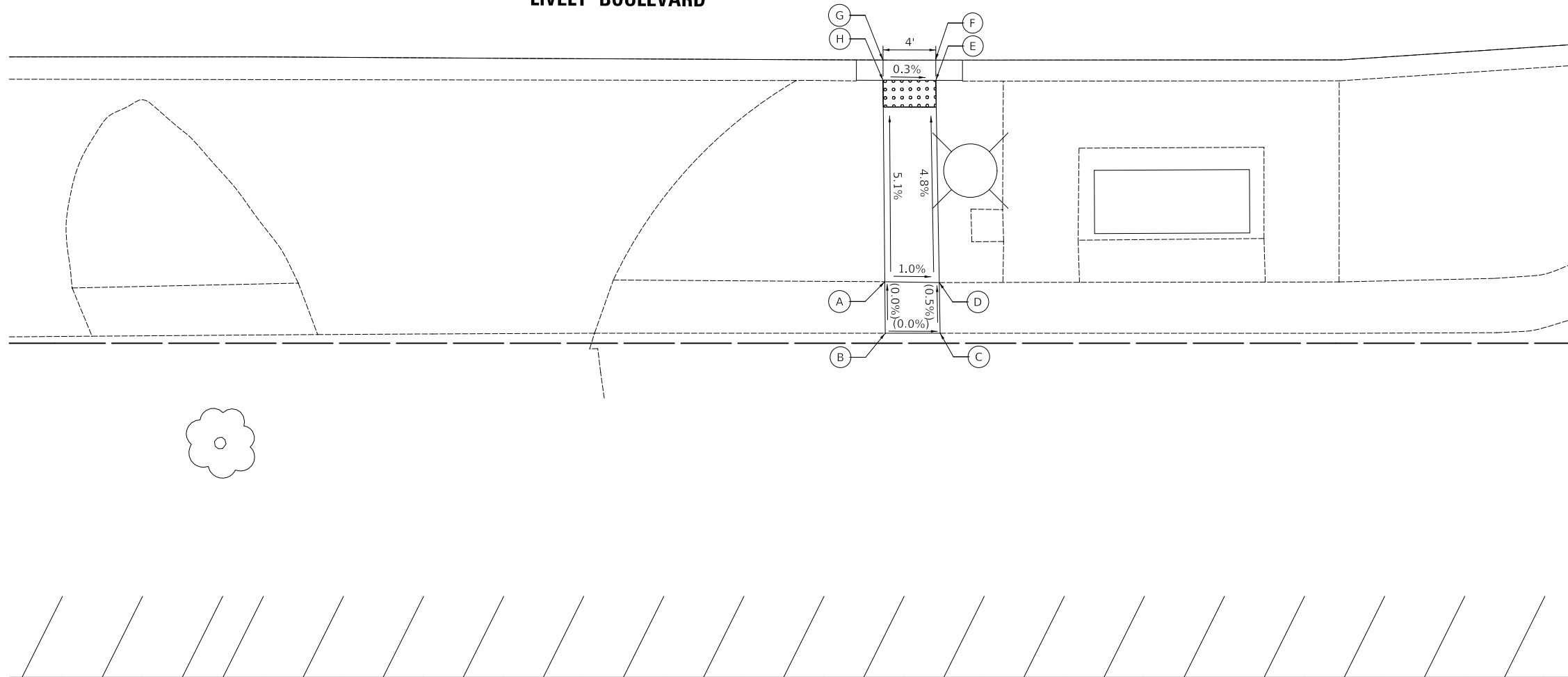
LIVELY BOULEVARD RESURFACING ADA GRADING	
SCALE: 1" = 5'	SHEET 37 OF 39 SHEETS
STA. _____	TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	65
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	23+45.86	53.96' RT	(690.56)
B	23+48.86	60.46' RT	(690.56)
C	22+49.09	54.32' RT	(690.56)
D	22+49.08	59.18' RT	(690.52)
E	22+63.90	54.08' RT	689.79
F	22+63.90	59.08' RT	(689.80)
G	22+68.90	54.08' RT	(689.81)
H	22+68.90	59.08' RT	689.80



LIVELY BOULEVARD



MODEL: \\MODEL\NAME: FILE: NAME: ... 11/8/2018

USER NAME = djk	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
PLOT SCALE = 5.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

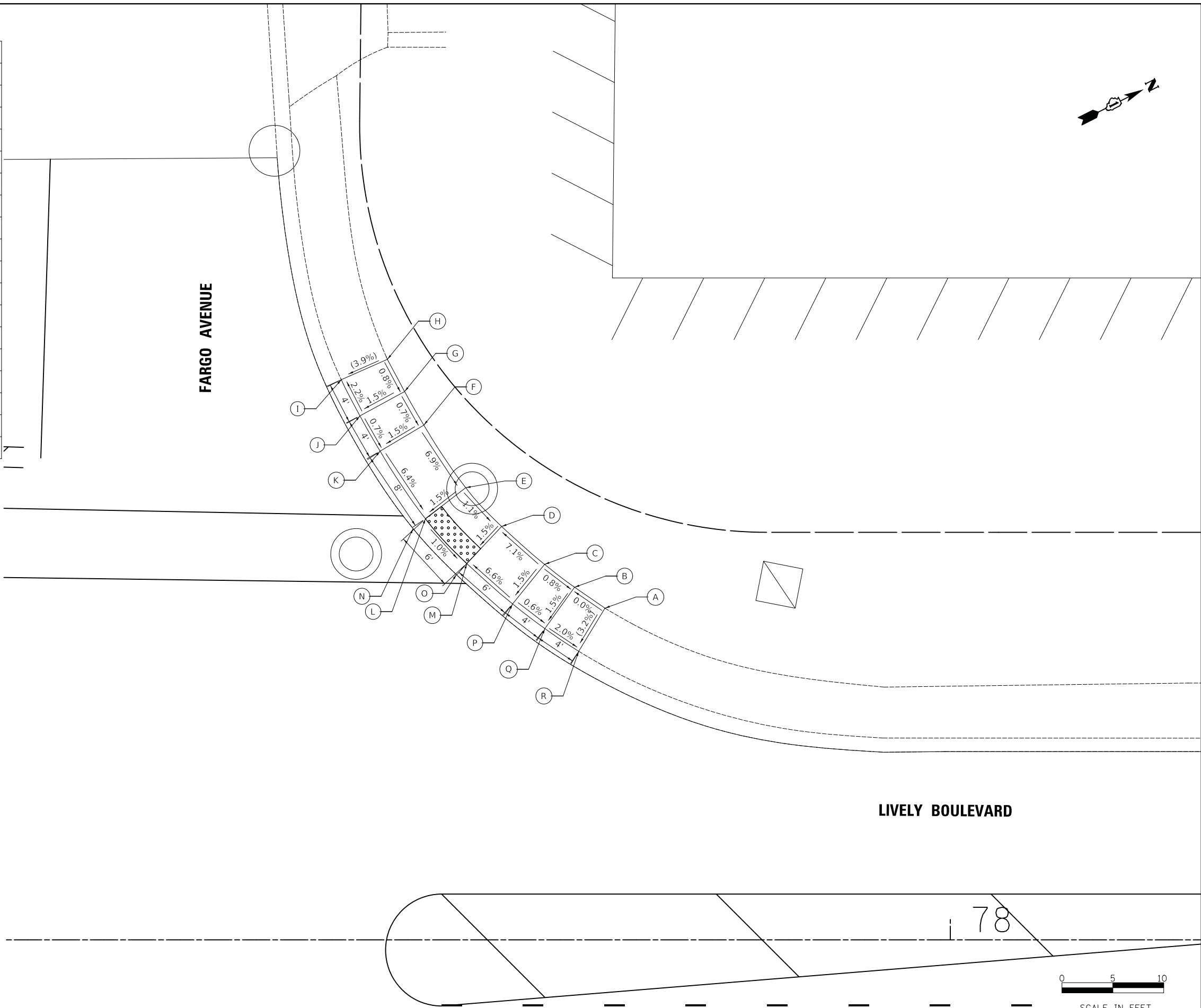
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
ADA GRADING**

SCALE: 1" = 5' SHEET 38 OF 39 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	66
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	77+66.06	32.60' LT	(689.99)
B	77+63.07	34.66' LT	689.99
C	77+60.13	36.91' LT	690.01
D	77+55.90	40.63' LT	689.62
E	77+52.38	44.44' LT	689.68
F	77+48.26	50.59' LT	690.19
G	77+46.37	53.89' LT	690.21
H	77+44.68	57.06' LT	(690.24)
I	77+40.14	55.06' LT	(690.05)
J	77+41.98	51.50' LT	690.14
K	77+43.96	48.03' LT	690.11
L	77+48.42	41.39' LT	689.60
M	77+52.48	36.99' LT	689.54
N	77+47.19	40.44' LT	(689.61)
O	77+51.46	35.90' LT	(689.55)
P	77+56.98	33.02' LT	689.94
Q	77+60.16	30.59' LT	689.91
R	77+63.48	28.37' LT	(689.83)



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	DRAWN - JAB	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING ADA GRADING			
SCALE: 1" = 5'	SHEET 39 OF 39 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	67
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

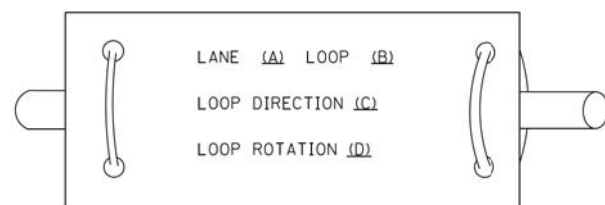
(NOT TO SCALE)

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			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
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								

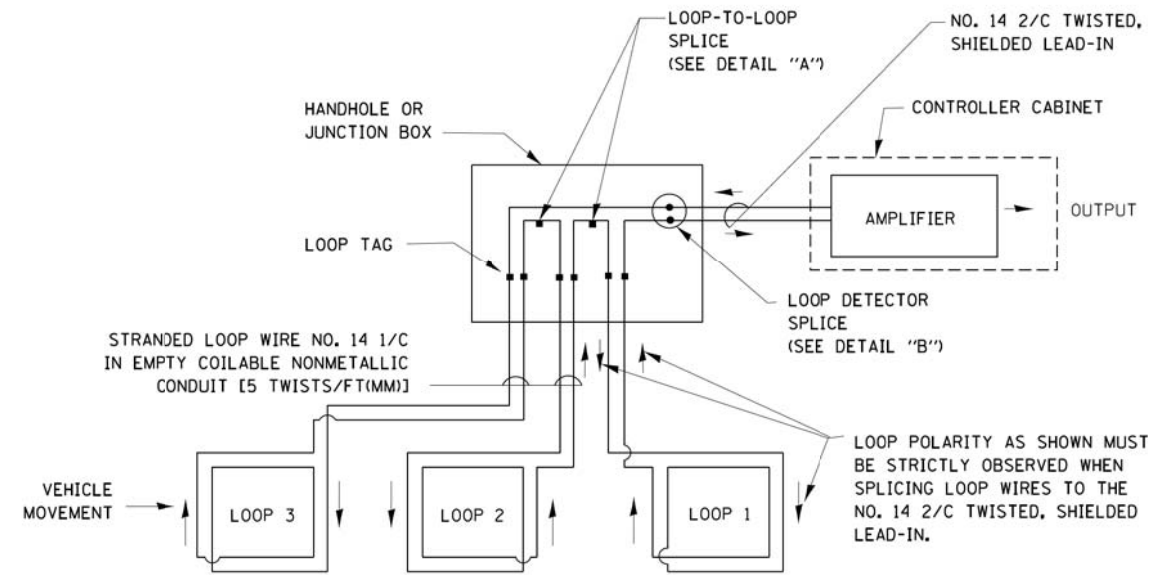
LOOP DETECTOR NOTES

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

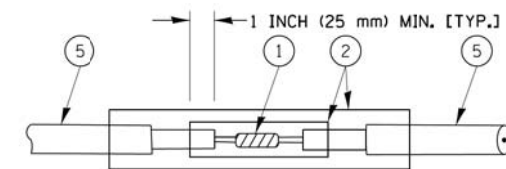


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

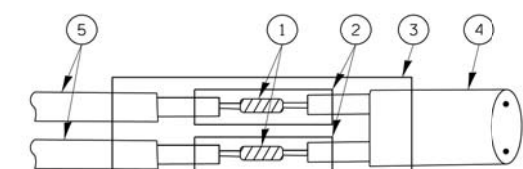


DETECTOR LOOP WIRING SCHEMATIC

- 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.

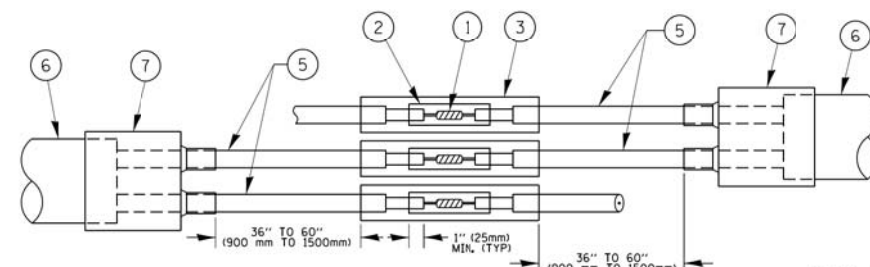


DETAIL "A"
LOOP-TO-LOOP SPLICE

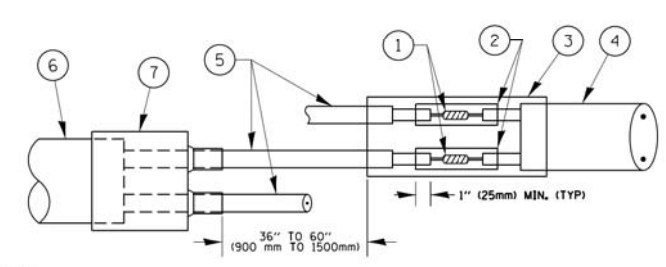


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

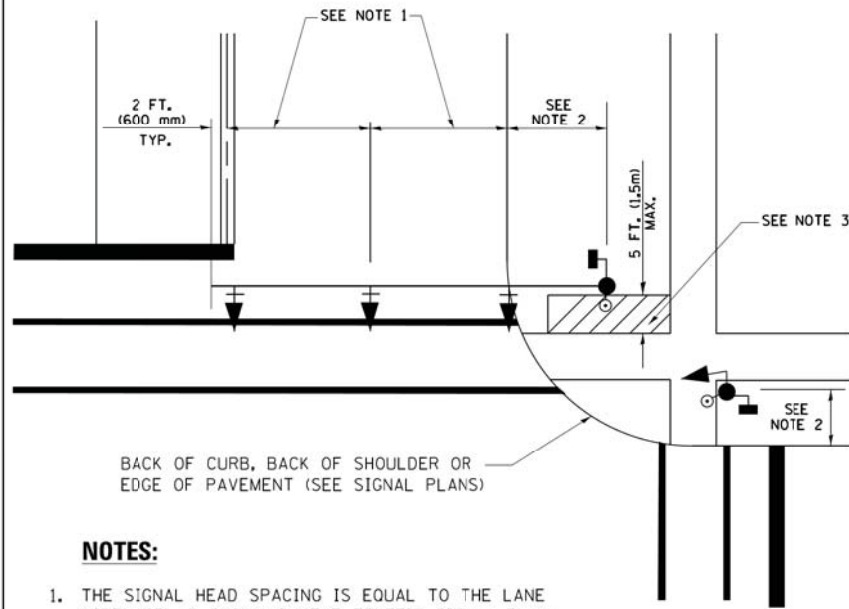
PREFORMED LOOP

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.
- 6 PREFORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. ~~TYCO CBR-2 OR APPROVED EQUAL~~

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50,0000' / 1"	CHECKED - DAD	REVISED -	TS-05			CONTRACT NO. 61F24				
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
				SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.			

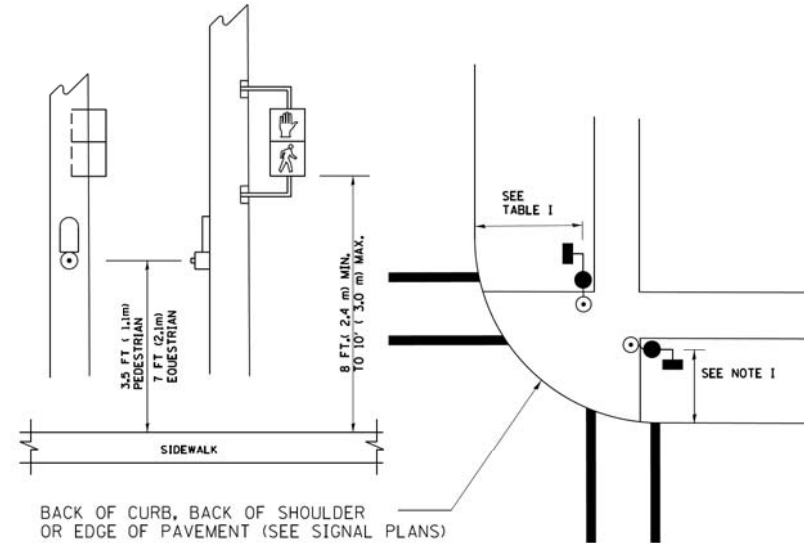
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

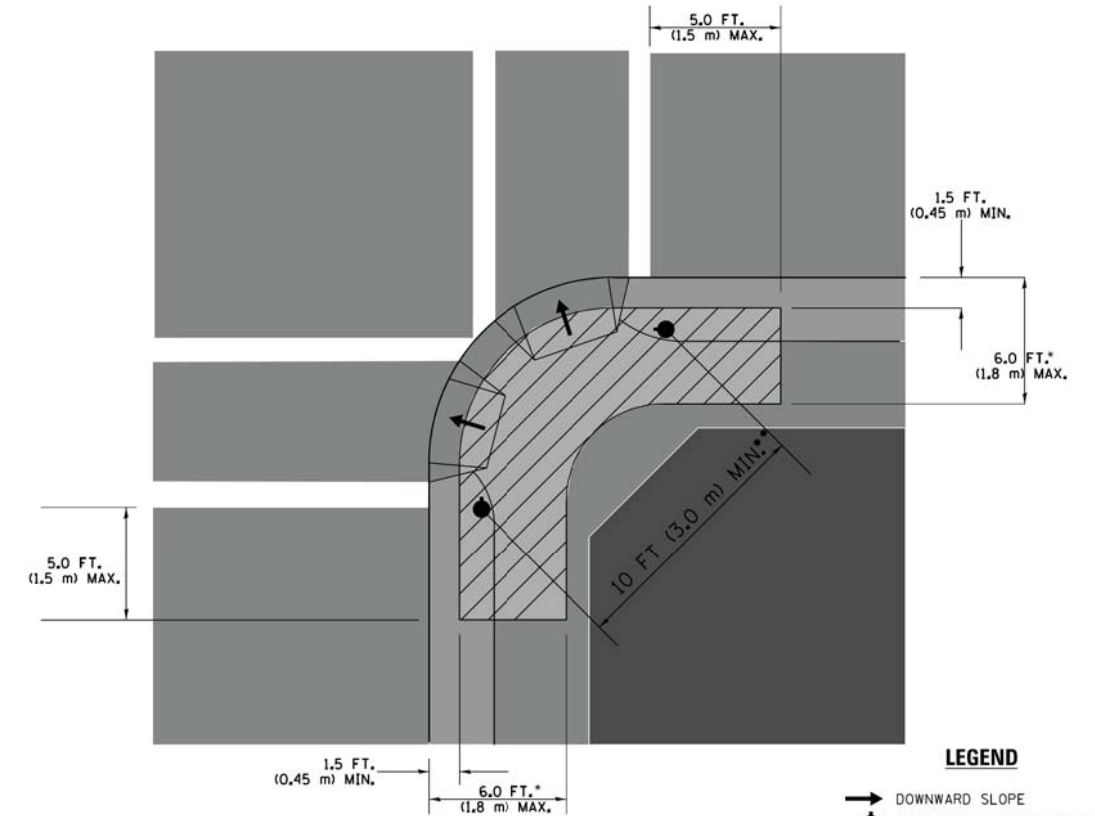
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ 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.

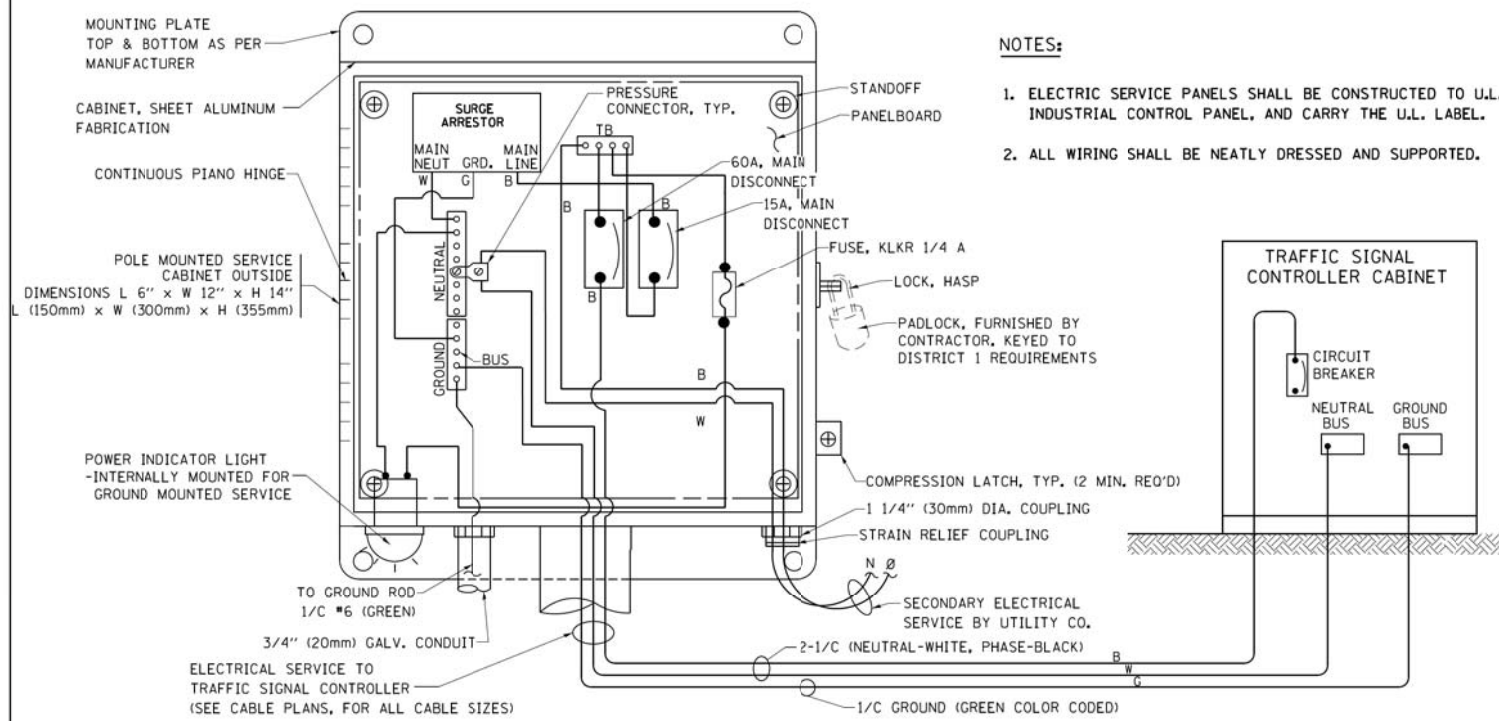
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

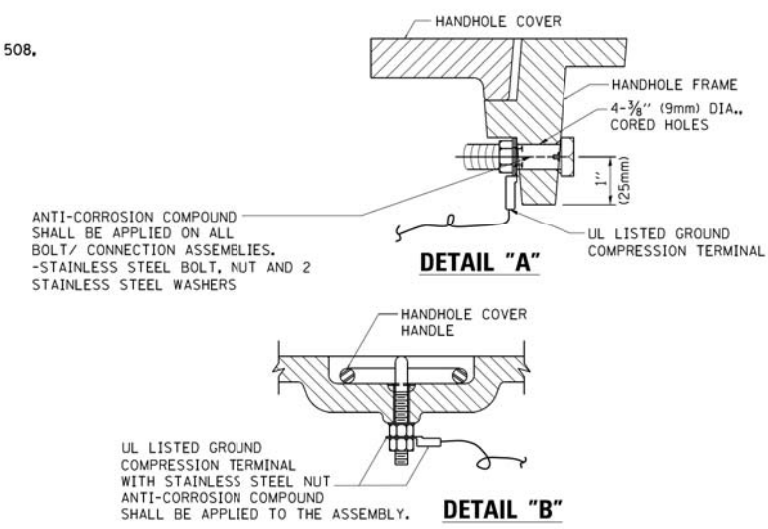
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05		CONTRACT NO. 61F24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

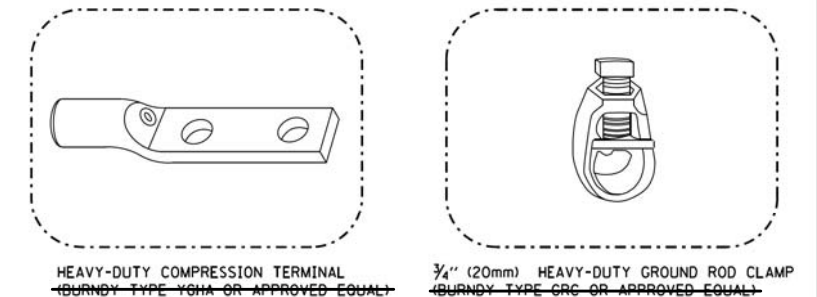
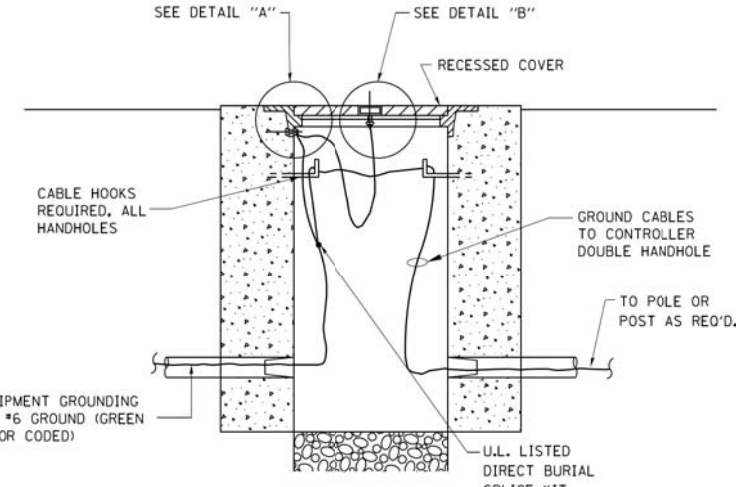


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**

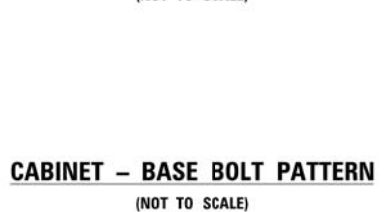
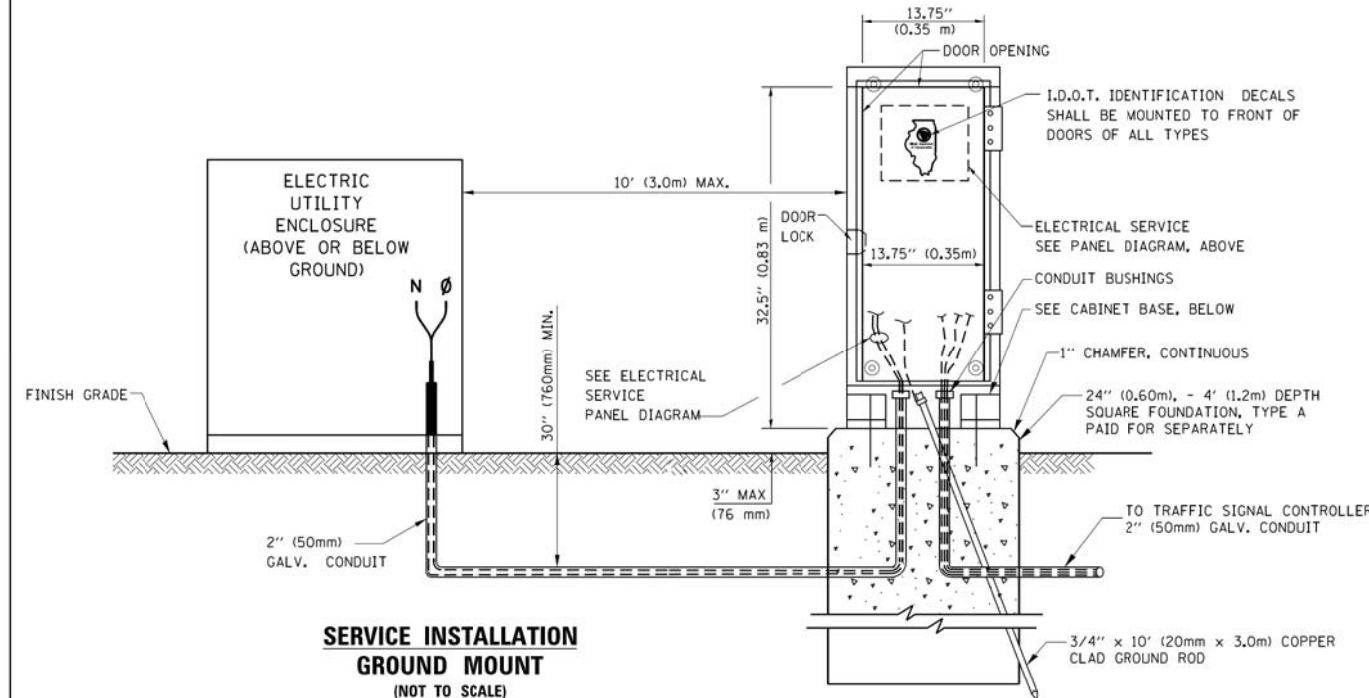
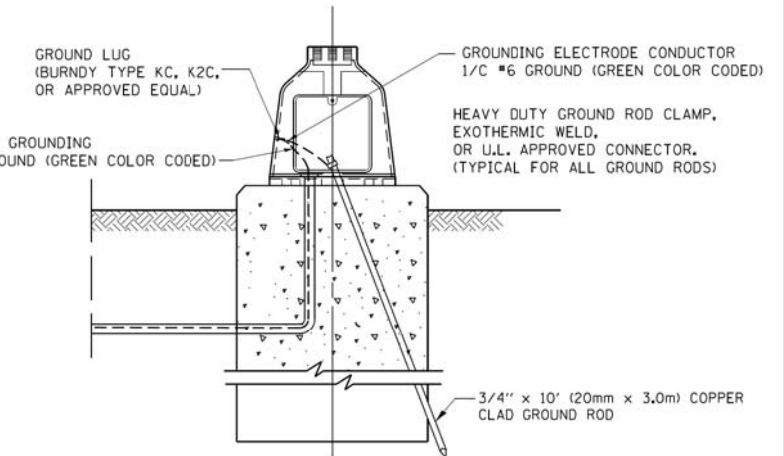
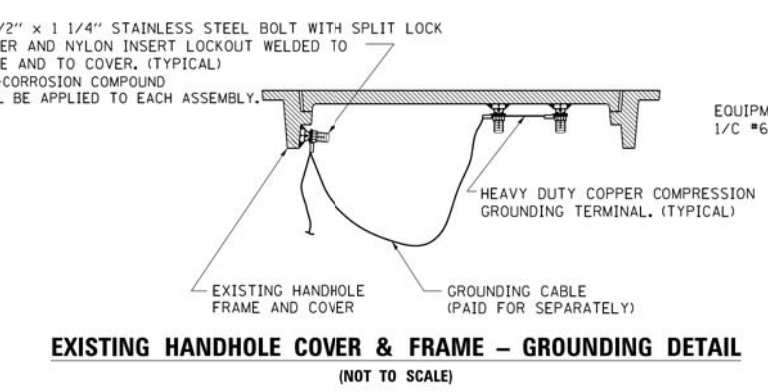


**NOTES:
GROUNDING SYSTEM**

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



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

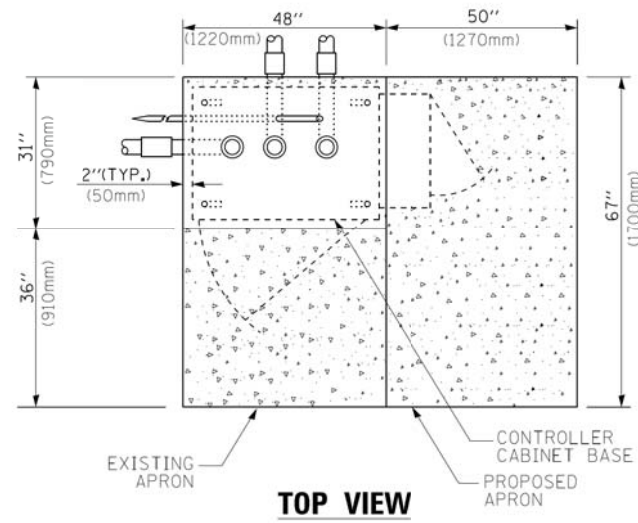


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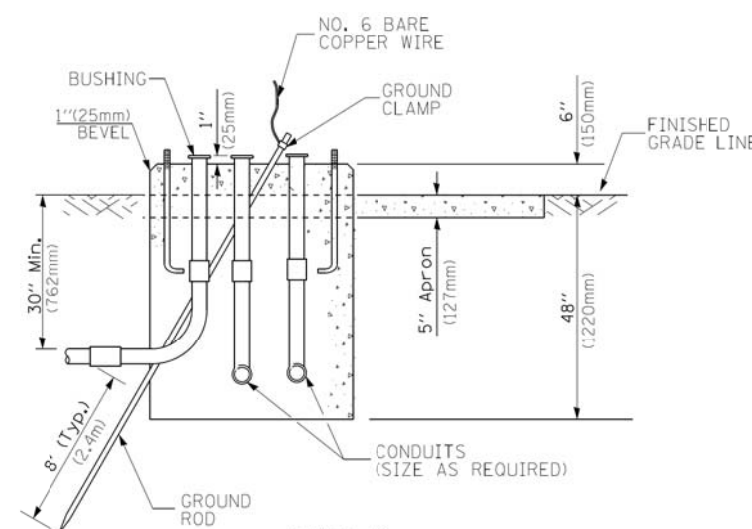
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS
STA.	TO STA.

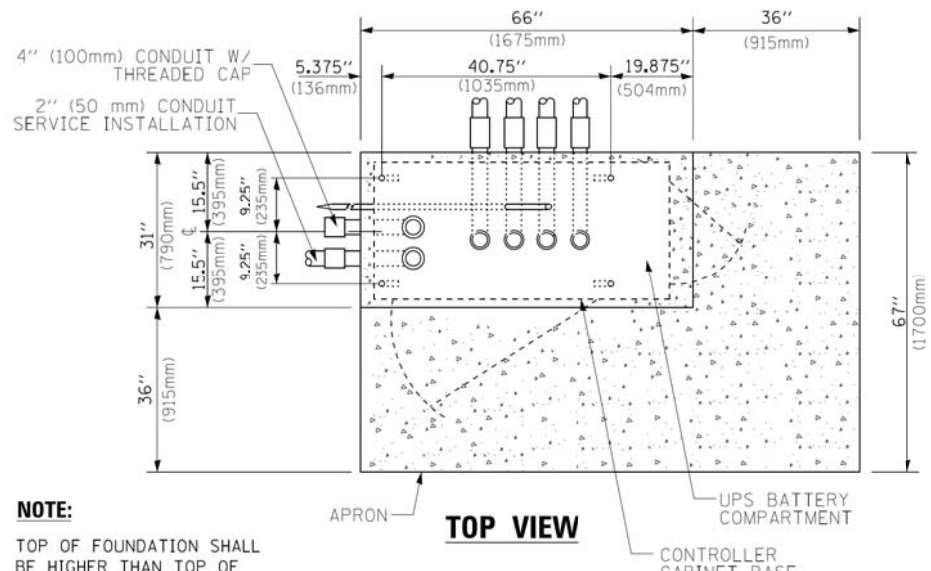
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1700	18-00068-00-RS	COOK	89	71
TS-05		CONTRACT NO.	61F24	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW

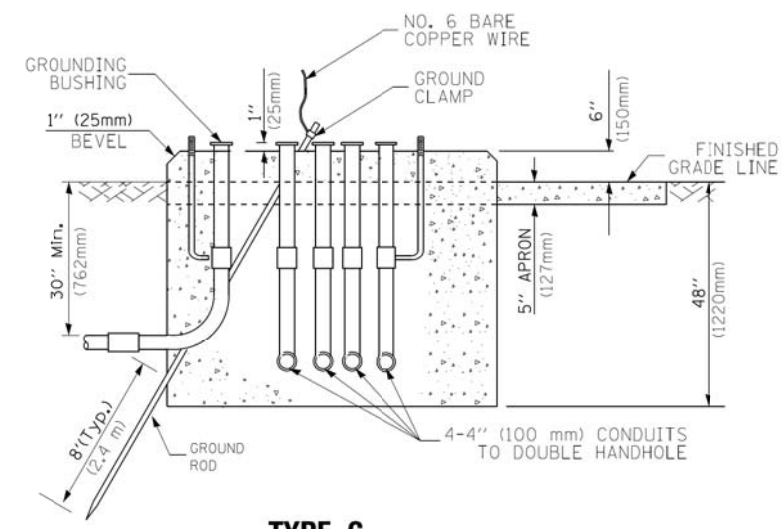


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

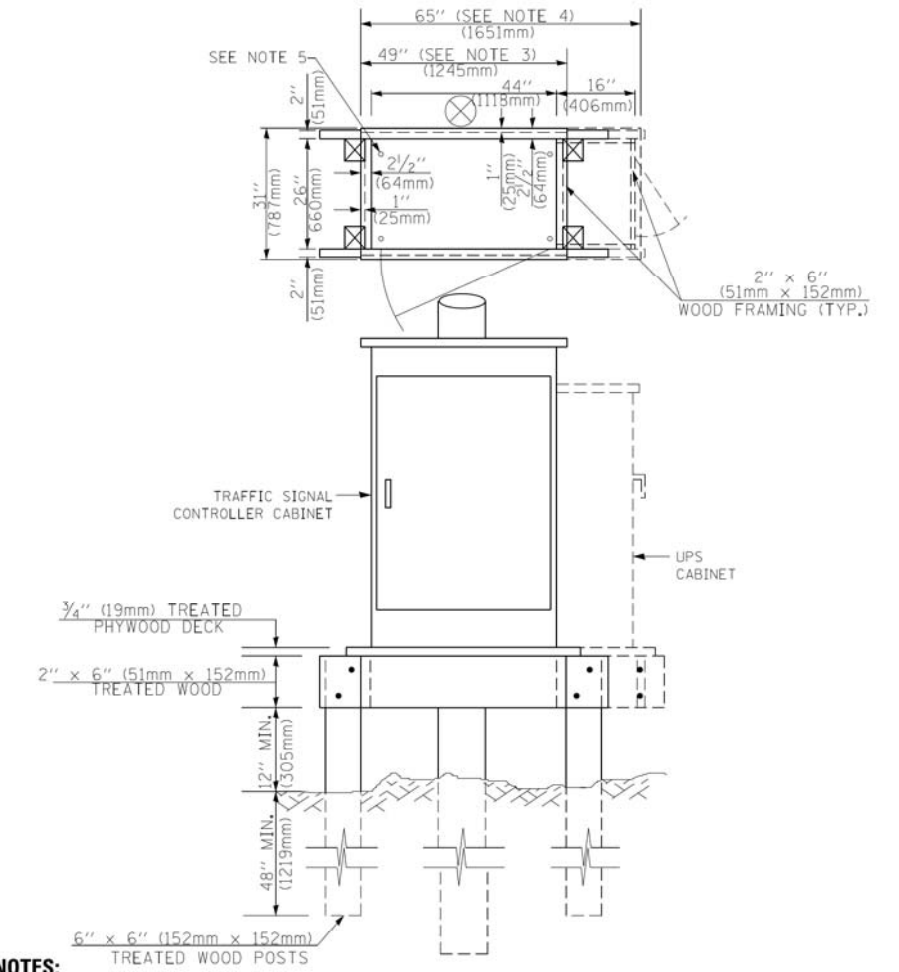


TOP VIEW

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)

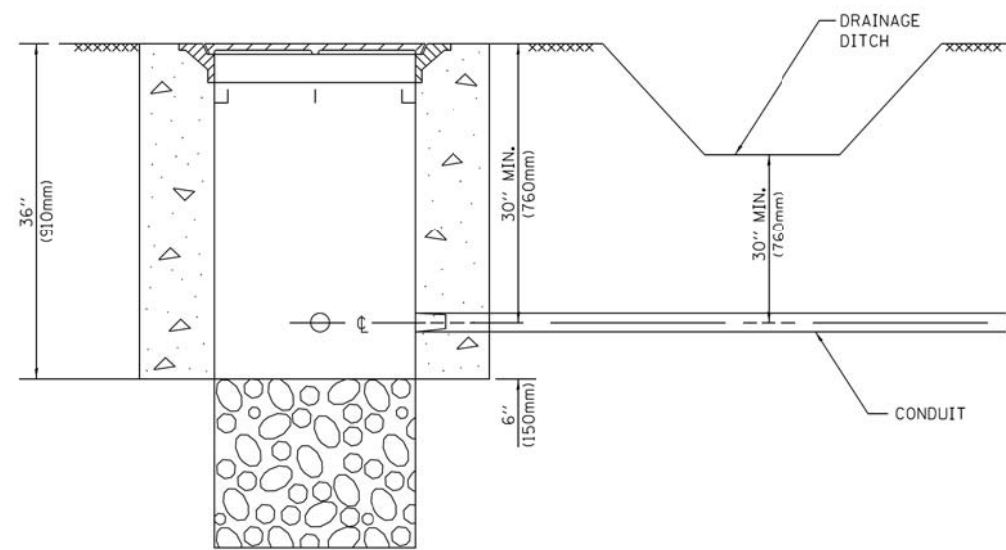
DEPTH OF FOUNDATION

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)	24" (600mm)	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 up to 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) and up to 85' (25.9 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..

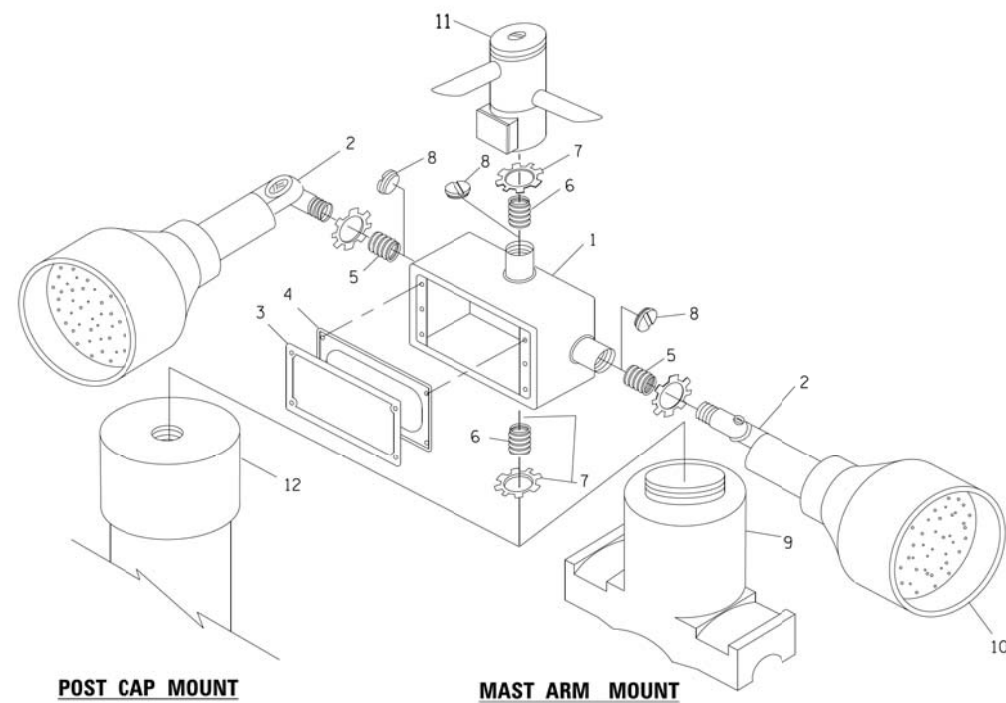
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



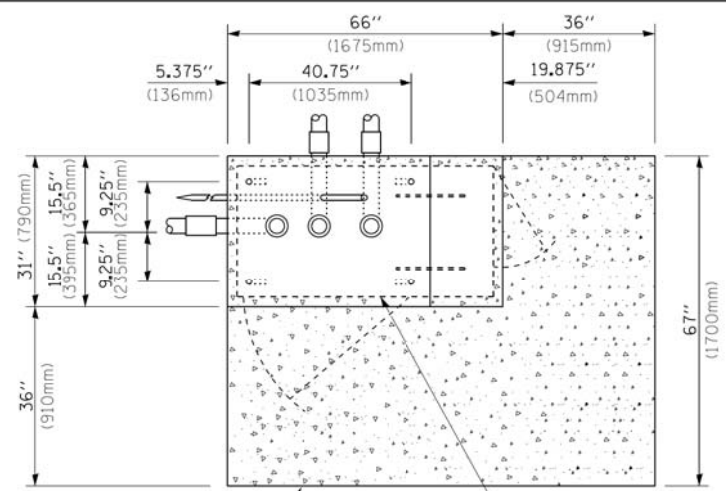
NOTES:

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

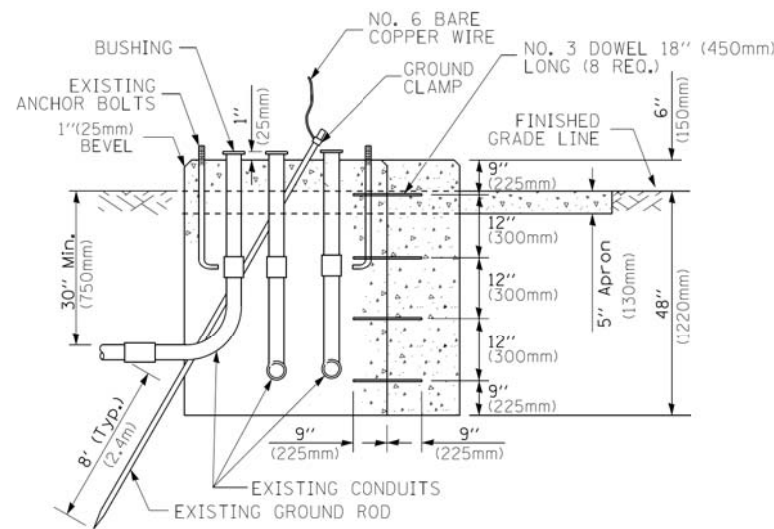
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



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



TOP VIEW
(NOT TO SCALE)

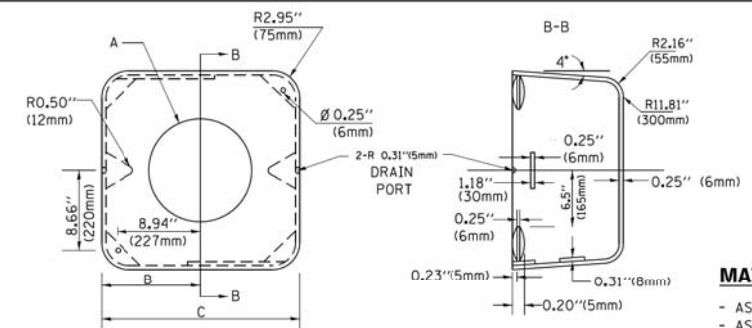


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ~~ITEM #1 - 0270EDNEY FSX 1-50 OR EQUIVALENT~~
~~ITEM #2 - MULBERRY CON 0 SHADE LAMP SHIELD OR EQUIVALENT~~
~~ITEM #9 - "BAND IT" SADDLE BRACKET OR EQUIVALENT~~
- 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.



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

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

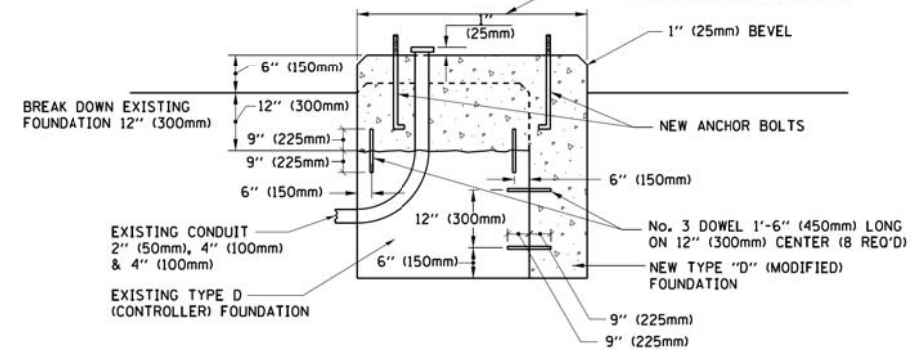
SHROUD

NOTES:

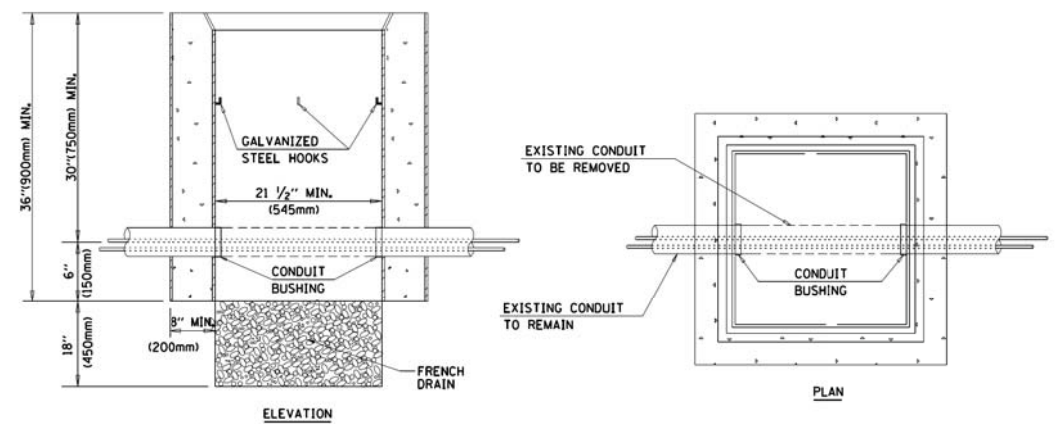
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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:

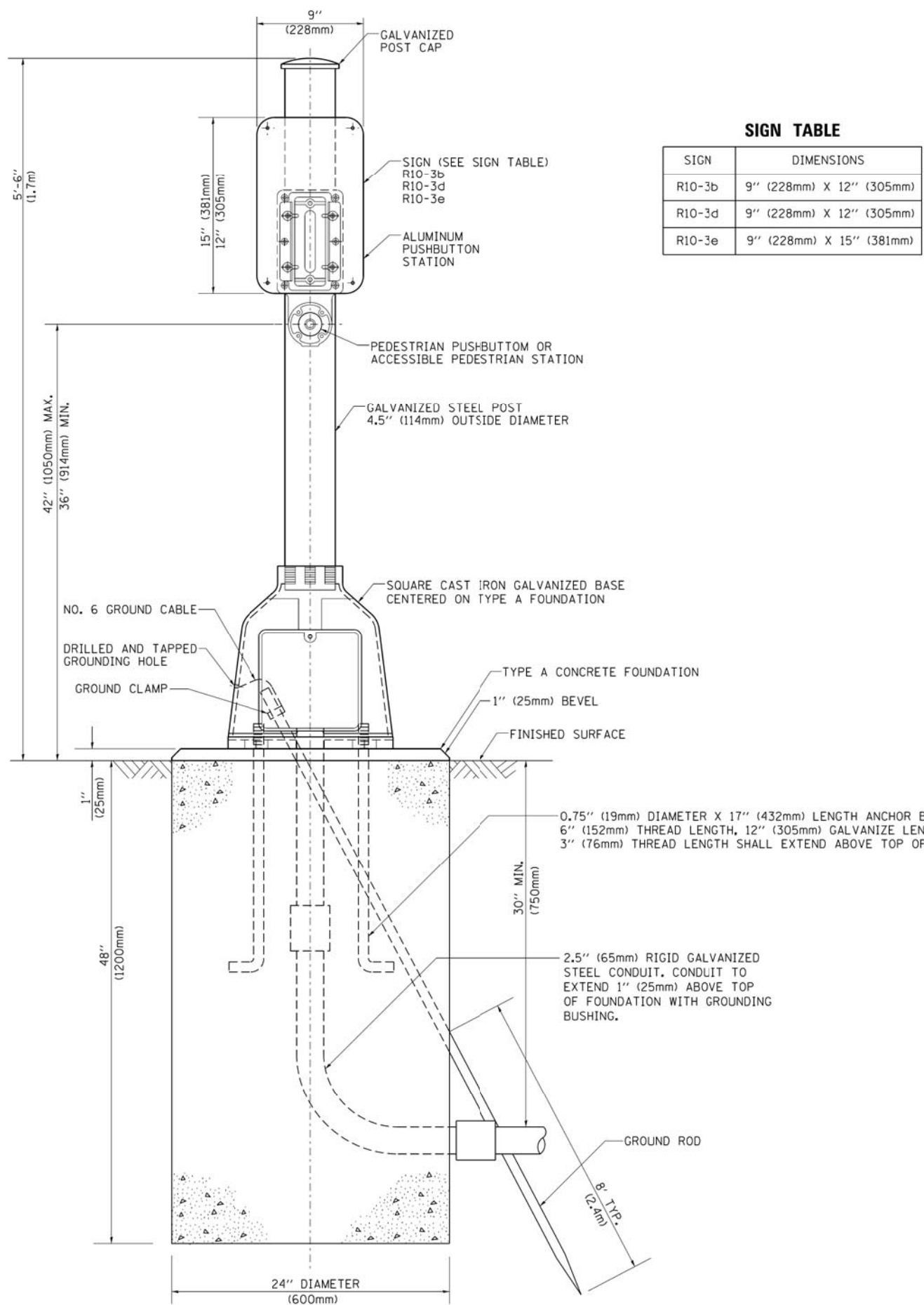
- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pwwork\pwwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

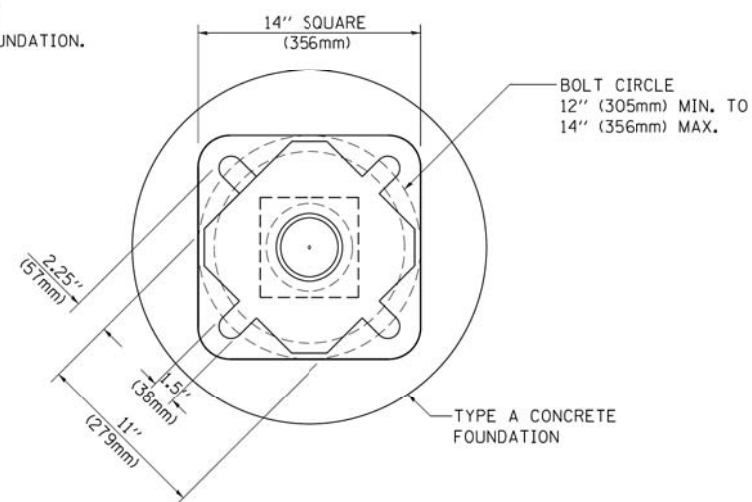
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		1700	18-00068-00-RS	COOK	89	73
SCALE: NONE		TS-05		CONTRACT NO. 61F24		
SHEET NO. 6 OF 7 SHEETS		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SIGN TABLE

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



BOLT PATTERN

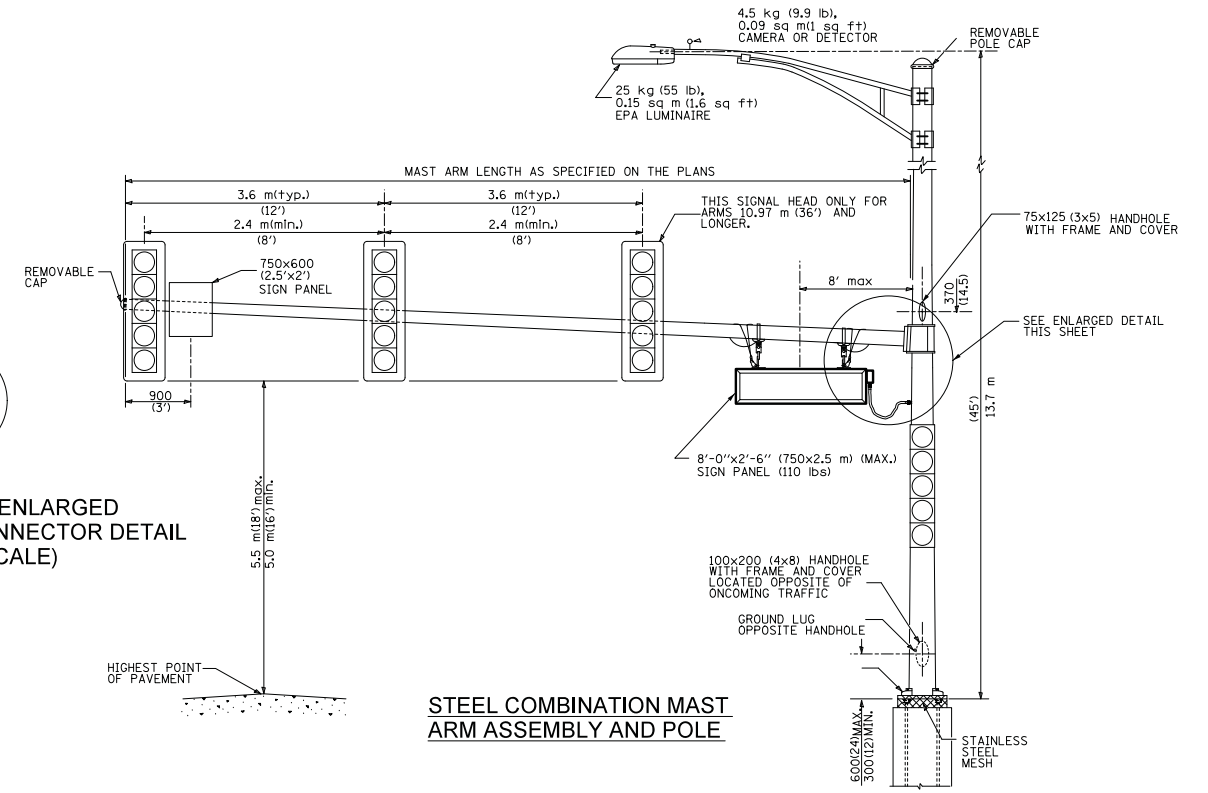
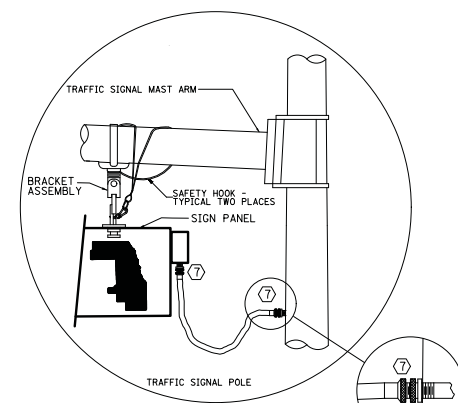
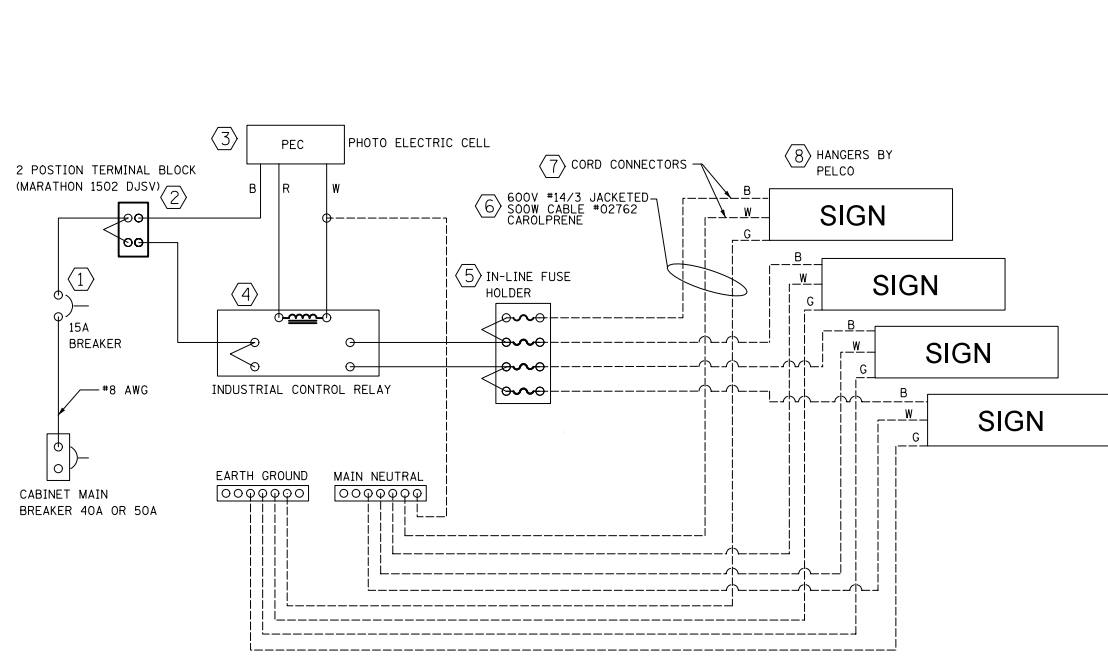
PEDESTRIAN PUSH BUTTON POST, TYPE A

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ci:\pe_work\pwidot\footemj\d0108315\ts05.dgn		DRAWN - GND	REVISED -
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	PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.

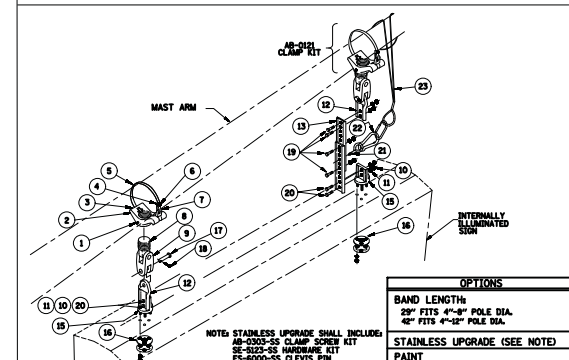
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	74
TS-05			CONTRACT NO. 61F24	
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



LED SIGN WIRING DETAIL

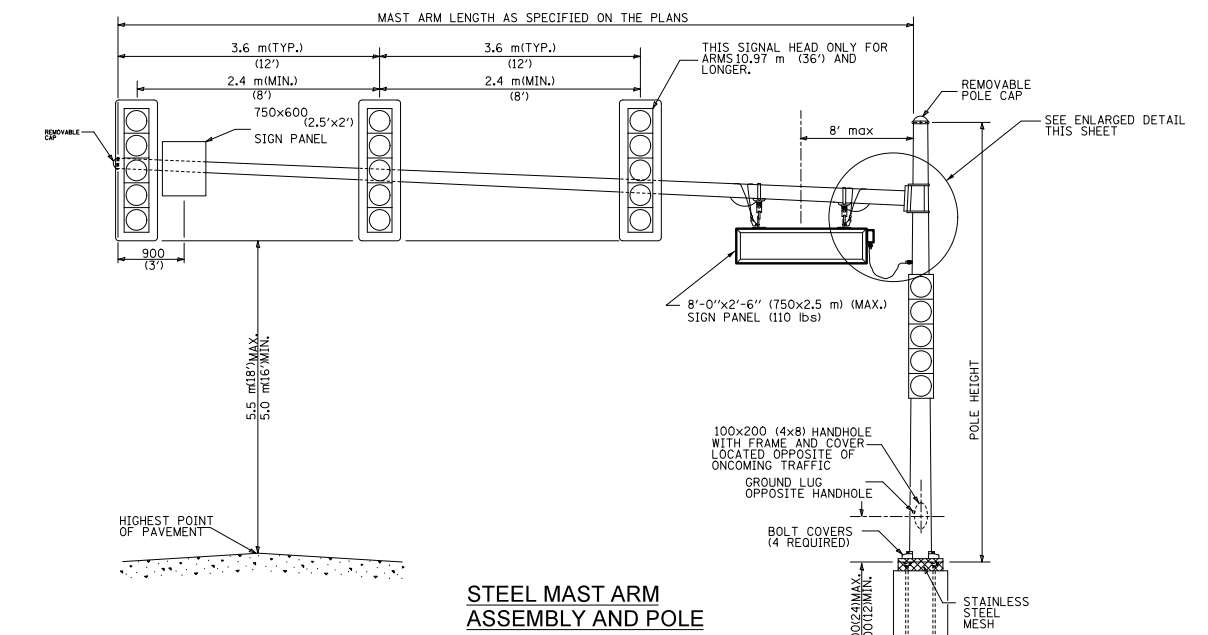
DESCRIPTION	MANUFACTURER	MODEL	NOTES
1. CIRCUIT BREAKER		15 AMPERE	
2. TERMINAL BLOCK	MARATHON	1502 DJSV	
3. PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
4. CONTRACTOR (INDUSTRIAL CONTROL RELAY)	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
5. IN-LINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMANN	S-8000 BK/S-8-3-4-R	
6. ELECTRIC CABLE, No. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE /S00W	02762	
7. CORD/CABLE CONNECTOR	APPLETON	CG5050S (STEEL)	
8. SIGN MOUNTING HARDWARE	PELCO	SE-5015	

TITLE: BRACKET, FREE-SWINGING MAST ARM SIGN W/BAND MOUNT MINI-BRAC



ITEM	PART NO.	DESCRIPTION	QTY
1	FS-3205-SS	SCREW, SET SQ HD 1/4"-20 X 5/8", STAINLESS	2
2	AB-0266-MI	CLAMP, MINI-BRAC BAND MOUNT, 1/2" NPS, ALUM	2
3	FS-6201-ZNI	PIN, GROOVE 3/16" X 1 1/4", ZINC1	2
4	AB-0244-SS	CLAMP, BAND 5/8", STAINLESS	2
5	AB-0243-L	BAND, 5/8", STAINLESS	2
6	FS-3202-SS	SCREW, SET SOC HD 5/16"-18, STAINLESS	2
7	AB-0303-GLV	KIT, CLAMP SCREW FOR MINI-BRAC, GALV	2
8	SE-0371-MI	ADAPTER, SPAN WIRE, DIE CAST ALUM W/ SS INSERT	2
9	SE-0464-M2	CLEVIS-CLEVIS, 1/2" X 1/2", ALUM W/ STAINLESS BUSHINGS	2
10	FS-1001-SS	NUT, HEX HD 5/16", STAINLESS	8
11	FS-4201-SS	WASHER, SPLIT LOCK, 5/16", STAINLESS	8
12	SE-0508-M2	EXTENDER CONNECTOR HANGER, ALUM W/ STAINLESS BUSHINGS	2
13	SE-0507-I1	EXTENDER, 11"	2
15	SE-0512-MI	HANGER, TRI-STUD, ALUM	2
16	SE-5048-SS	HARDWARE KIT W/ GASKET, 5/16" - 18, STAINLESS	2
17	FS-6000-GLV	PIN, CLEVIS, 5/8" X 2 1/4" EL, GALV	4
18	FS-6100-SS	PIN, COTTER HUMPED, 5/32" X 1.775" 304 STAINLESS	4
19	FS-2006-SS	BOLT, HEX HD, 5/16" - 18 X 1", STAINLESS	4
20	FS-2019-SS	BOLT, HEX HD, 5/16" - 18 X 1 1/4", STAINLESS	4
21		EYE HOOK, STAINLESS STEEL (RATED FOR APPROPRIATE LOAD)	2
22		CARABINER HOOK, STAINLESS STEEL (RATED FOR APPROPRIATE LOAD)	2
23	SH-1867-L	CABLE, SAFETY, FOR SIGN HANGERS, STAINLESS	2
	FS-9054-SS	SLEEVE, COMPRESSION, OVAL, STAINLESS	4
	FS-5101-SS	WIRE ROPE, 3/16" X 7 X 19, AIRCRAFT, TYPE 304 STAINLESS	2
	FS-6516-SS	CONNECTOR, THREADED, 3/16" X 1-1/2", STAINLESS	2
	Z-2042	INSTRUCTIONS, SAFETY CABLE FOR SIGN HANGERS	2

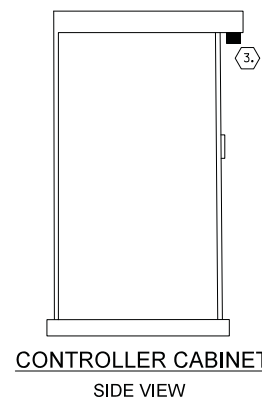
LED SIGN BRACKET DETAIL



GENERAL NOTE:

- SIGNAL HEADS, SIGN PANELS, AND OTHER ATTACHMENT ARE SHOWN FOR MINIMUM DESIGN LOADING PURPOSES ONLY. EACH SIGNAL HEAD SHALL WEIGH 36 Kg (80 lb) AND HAVE A PROJECTED AREA OF 1.37 sq. m (14.7 sq ft.).
- PHOTO ELECTRIC CELL IS TO BE MOUNTED ABOVE CABINET DOOR.
- THE SIGN SHALL BE LOCATED AT A MAXIMUM OF 8' FROM CENTER OF SIGN TO POLE.
- SIGN IS TO BE MOUNTED A MINIMUM OF 16' ABOVE PAVEMENT.
- 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 120 VOLT SYSTEM AND CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN

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



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

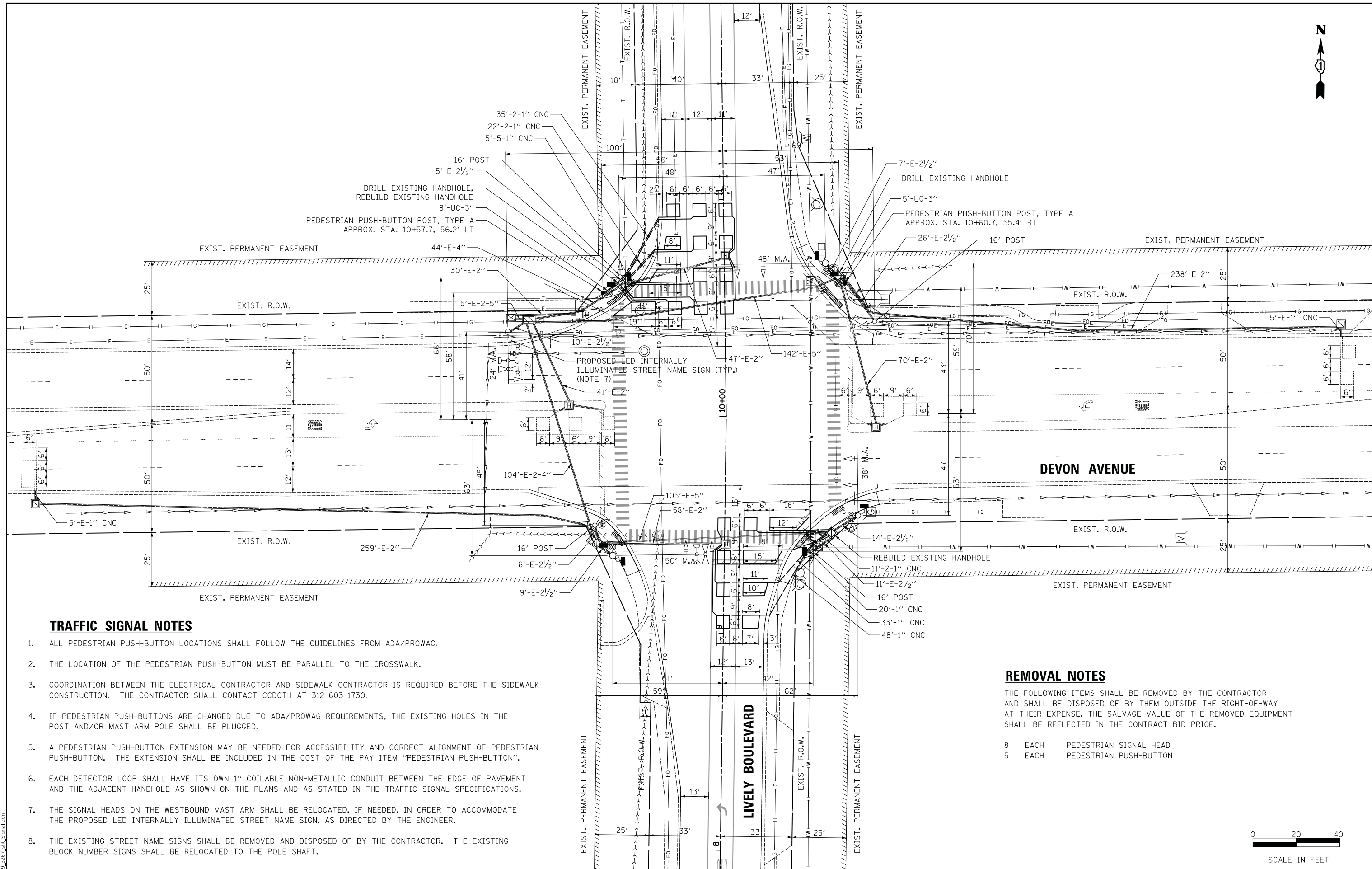
LIVELY BOULEVARD RESURFACING
COOK COUNTY LED STREET NAME SIGN DETAIL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	75
CONTRACT NO. 61F24				

SHEET 1 OF 1 SHEETS

ILLINOIS FED. AID PROJECT

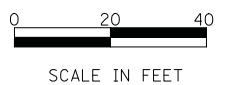
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	DRAWN - JAB	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -



- ALL PEDESTRIAN PUSH-BUTTON LOCATIONS SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
- THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PARALLEL TO THE CROSSWALK.
- COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CCDOTH AT 312-603-1730.
- IF PEDESTRIAN PUSH-BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED.
- A PEDESTRIAN PUSH-BUTTON EXTENSION MAY BE NEEDED FOR ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSH-BUTTON. THE EXTENSION SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "PEDESTRIAN PUSH-BUTTON".
- EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
- THE SIGNAL HEADS ON THE WESTBOUND MAST ARM SHALL BE RELOCATED, IF NEEDED, IN ORDER TO ACCOMMODATE THE PROPOSED LED INTERNALLY ILLUMINATED STREET NAME SIGN, AS DIRECTED BY THE ENGINEER.
- THE EXISTING STREET NAME SIGNS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE EXISTING BLOCK NUMBER SIGNS SHALL BE RELOCATED TO THE POLE SHAFT.

REMOVAL NOTES

- THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
- | | | |
|---|------|------------------------|
| 8 | EACH | PEDESTRIAN SIGNAL HEAD |
| 5 | EACH | PEDESTRIAN PUSH-BUTTON |



MODEL: S:\MODEL\TRAFFIC SIGNAL\TRAFFIC SIGNAL.dwg
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	DATE - 10/05/2018	REVISED -

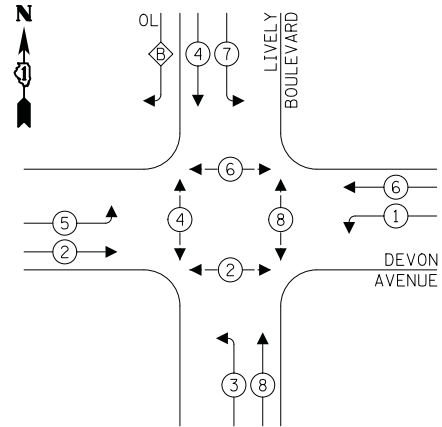
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
DEVON AVENUE AT LIVELY BOULEVARD**

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. 7+50 TO STA. 18+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	76
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



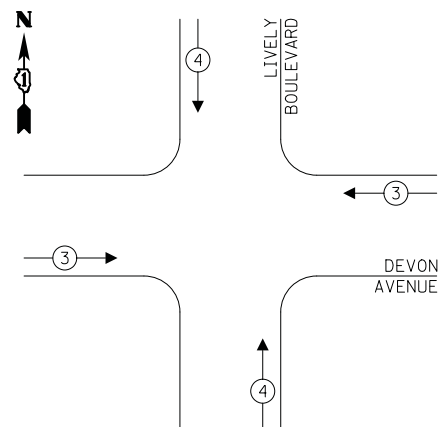
LEGEND:

- ← * → DUAL ENTRY PHASE
- ← * SINGLE ENTRY PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↕

LEGEND:

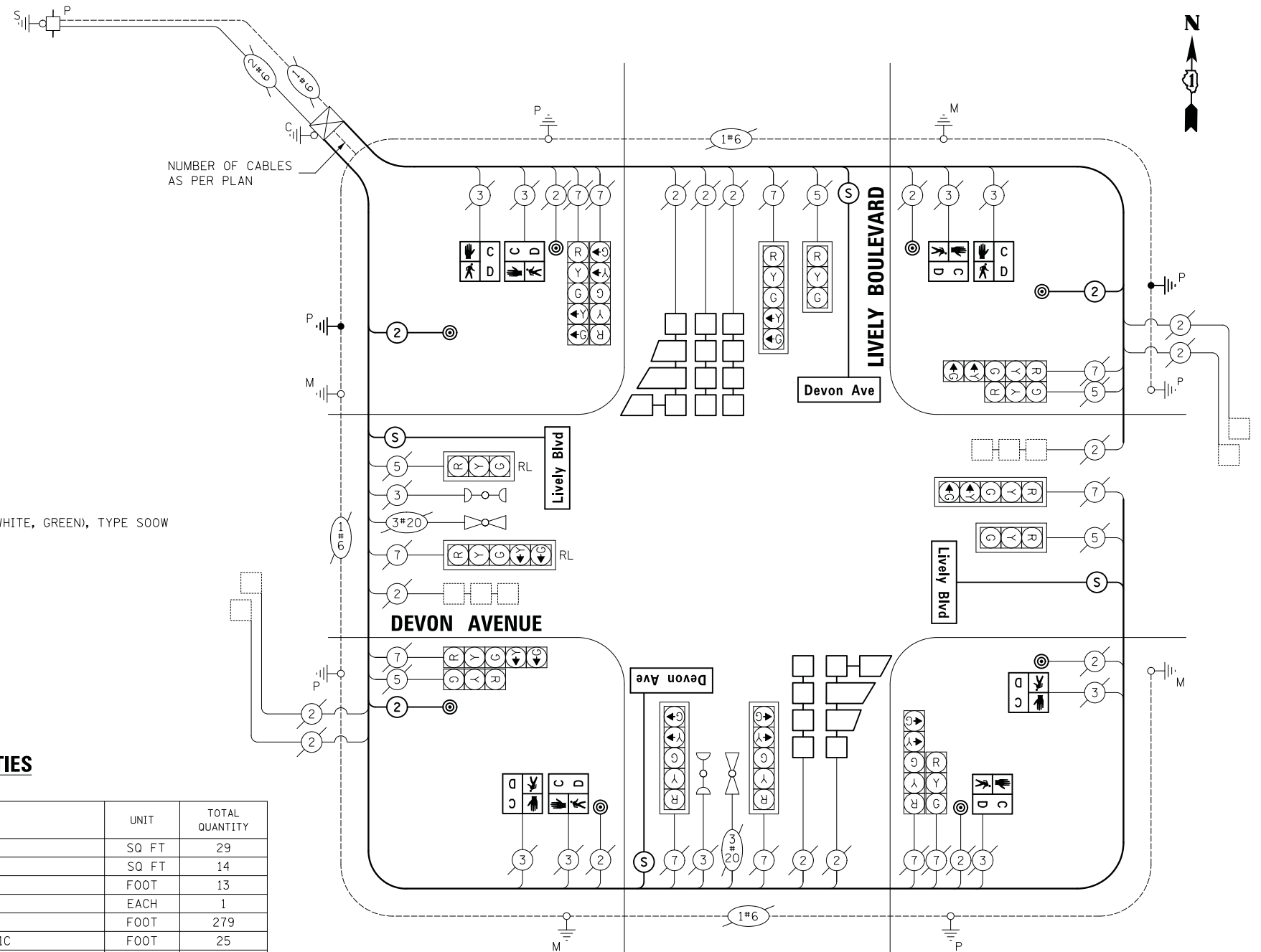
- Ⓢ NO. 14 3/C (BLACK, WHITE, GREEN), TYPE SOOW

SUMMARY OF QUANTITIES

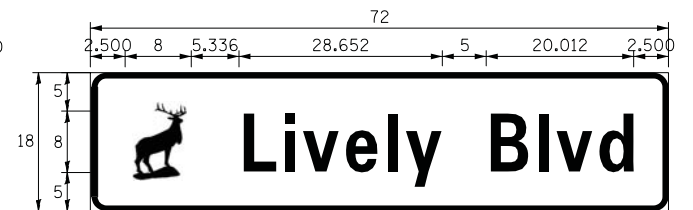
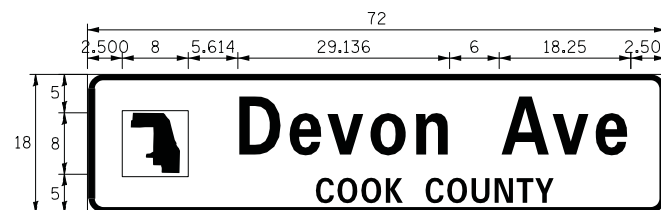
ITEM	UNIT	TOTAL QUANTITY
REMOVE SIGN PANEL - TYPE 1	SQ FT	29
RELOCATE SIGN PANEL - TYPE 1	SQ FT	14
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	13
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	279
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	25
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
DETECTOR LOOP, TYPE I	FOOT	887
PEDESTRIAN PUSH-BUTTON	EACH	8
RELOCATE EXISTING SIGNAL HEAD	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	2
CABLE, SPECIAL	FOOT	676

NOTES

- THE MODIFICATIONS REQUIRED TO THE SIGNAL CONTROLLER TO SWITCH FROM THE EXISTING NON-LATCHING PUSH-BUTTONS TO THE PROPOSED LATCHING PUSH-BUTTONS SHALL BE PAID FOR AS "MODIFY EXISTING CONTROLLER."



CABLE PLAN
NOT TO SCALE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9	LED SNS	ZZ	2 (DOUBLE-SIDED)

DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9	LED SNS	ZZ	2 (DOUBLE-SIDED)

LOCATION: DEVON AVENUE AND LIVELY BOULEVARD
COOK COUNTY
DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL
CONTROLLER	1	100	1.00	100.00
VEHICLE DET.	11	5	1.00	55.00
PED. SIGNAL	8	25	1.00	200.00
12" SIGNAL (RED)	16	17	0.50	136.00
(YELLOW)	16	25	0.05	20.00
(GREEN)	16	15	0.45	108.00
(ARROW)	10	12	0.10	12.00
ILLUMINATED LED STREET NAME 6'	4	108	0.40	172.80
TOTAL =				803.80

ENERGY COST TO: COOK COUNTY BUREAU OF ADMINISTRATION
118 N. CLARK STREET, ROOM 801
CHICAGO, IL 60602
TOWER ACCOUNT NO. 6007166025
SUPPLEMENT NO. NC 150364

ENERGY COST SHARE: COOK COUNTY: 50%
Elk Grove Village: 50%

Village of Elk Grove Village
901 Wellington Avenue
Elk Grove Village, IL 60007

ENERGY SUPPLY CONTACT: New Business
Phone: (866) 639-3532
Company: ComEd

EFFECTIVE DATE: TO BE DETERMINED

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PLOT SCALE = 20.0000" / in.	DRAWN - JAB	REVISED -
PLOT DATE = 11/8/2018	CHECKED - DJK	REVISED -
	DATE - 10/05/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
DEVON AVENUE AT LIVELY BOULEVARD

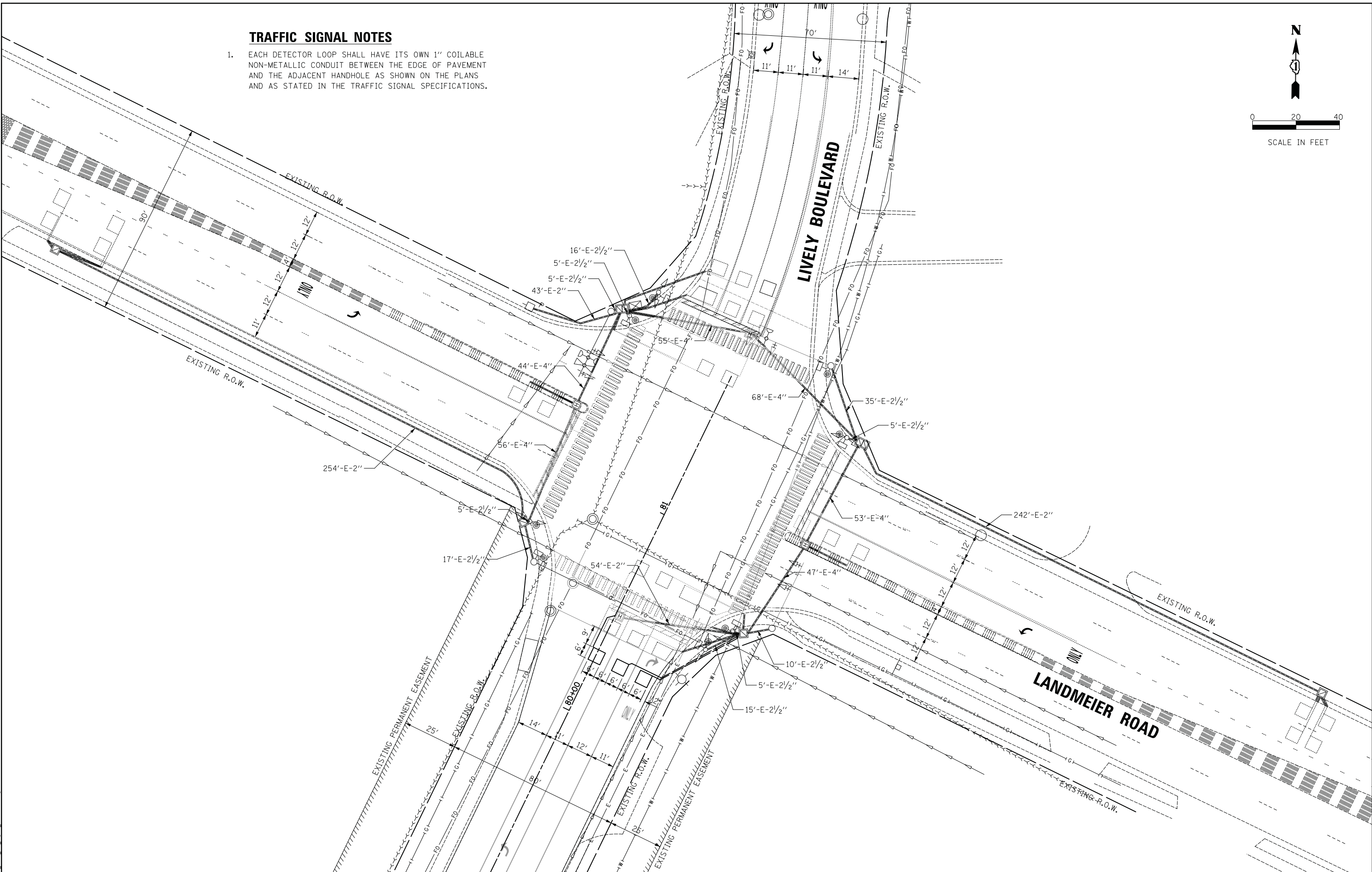
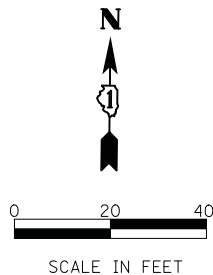
SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. 7+50 TO STA. 18+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	77
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

MODEL: SMOBELNAMES
FILE NAME: 11/8/2018.dwg

TRAFFIC SIGNAL NOTES

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



MODEL: s:\MODEL\NAME: FILE NAME: ..._3267_sht_Signal_Landmeier.dgn

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	DRAWN - JAB	REVISED -
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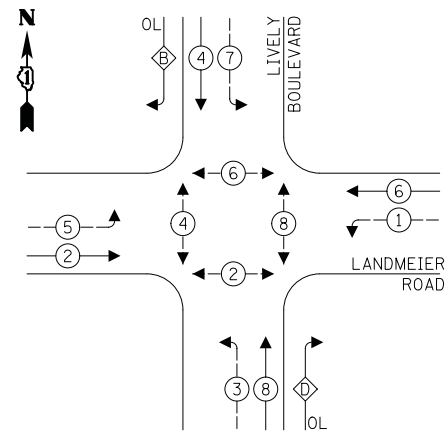
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
LANDMEIER ROAD AT LIVELY BOULEVARD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	78
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



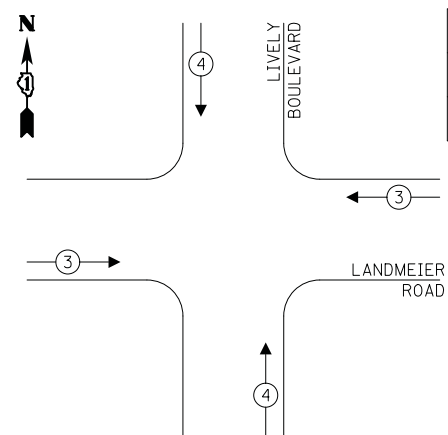
LEGEND:

- ← (P) → PROTECTED PHASE
- ← (P) → PROTECTED/PERMITTED PHASE
- ← (P) → PEDESTRIAN PHASE
- ← (P) → OVERLAP

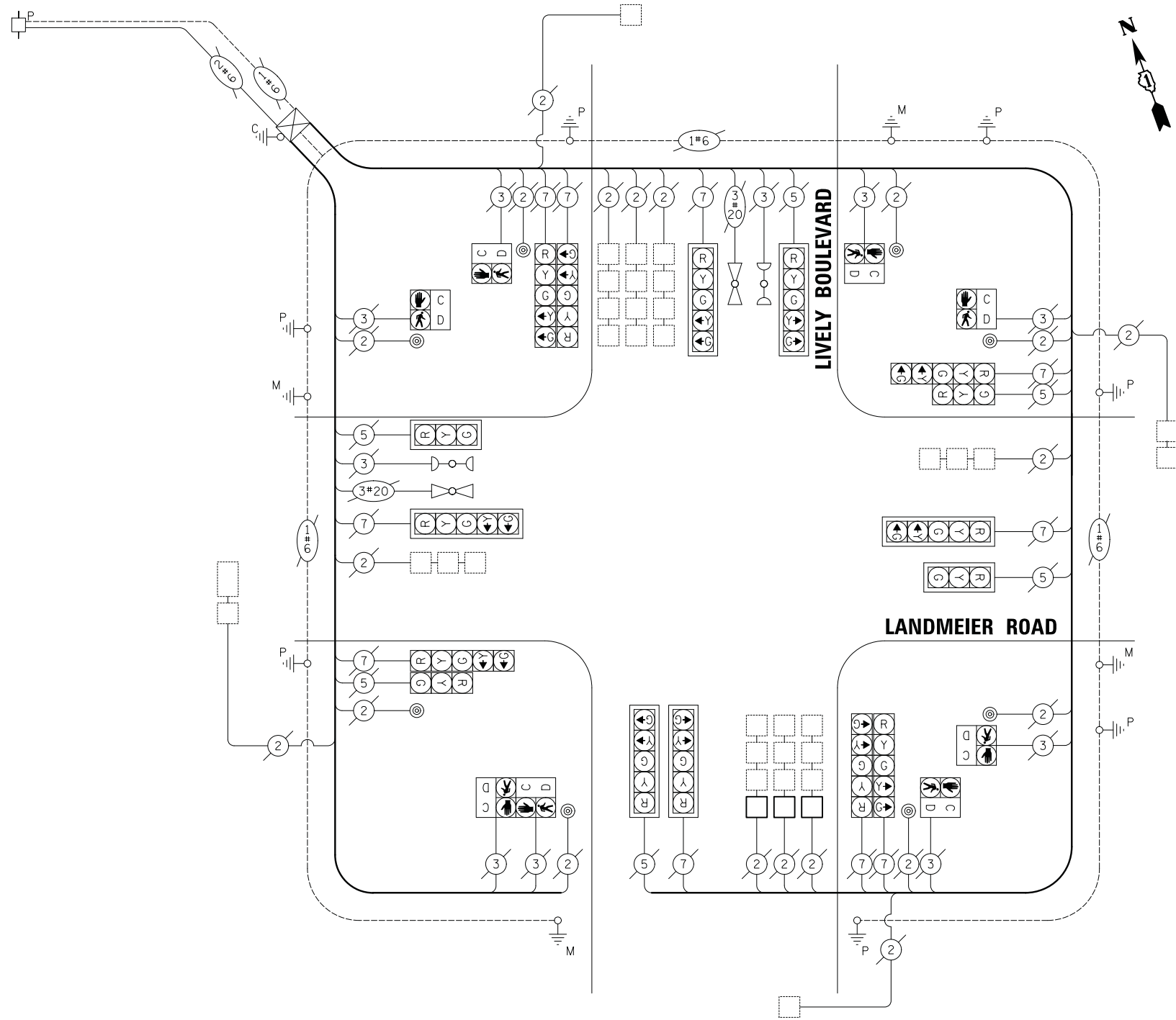
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
D	= 8	+ 1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



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



CABLE PLAN
NOT TO SCALE

SUMMARY OF QUANTITIES

ITEM	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	109

LOCATION: DEVON AVENUE AND LIVELY BOULEVARD
COOK COUNTY
DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL
CONTROLLER	1	100	1.00	100.00
VEHICLE DET.	12	5	1.00	60.00
PED. SIGNAL	8	25	1.00	200.00
12" SIGNAL (RED)	16	17	0.50	136.00
(YELLOW)	16	25	0.05	20.00
(GREEN)	16	15	0.45	108.00
(ARROW)	12	12	0.10	14.40
TOTAL =				638.40

ENERGY COST TO:
COOK COUNTY BUREAU OF ADMINISTRATION
118 N. CLARK STREET, ROOM 801
CHICAGO, IL 60602
TOWER ACCOUNT NO. 6007166025
SUPPLEMENT NO. NC 150364

ENERGY COST SHARE:
COOK COUNTY: 50%

Village of Elk Grove Village
901 Wellington Avenue
Elk Grove Village, IL 60007

Elk Grove Village: 50%

ENERGY SUPPLY CONTACT: New Business
Phone: (866) 639-3532
Company: ComEd

EFFECTIVE DATE:
TO BE DETERMINED

MODEL: 4100RELENAME
FILE NAME: 1113_2018.dwg Cable Landmeier.dwg

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	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
LANDMEIER ROAD AT LIVELY BOULEVARD**

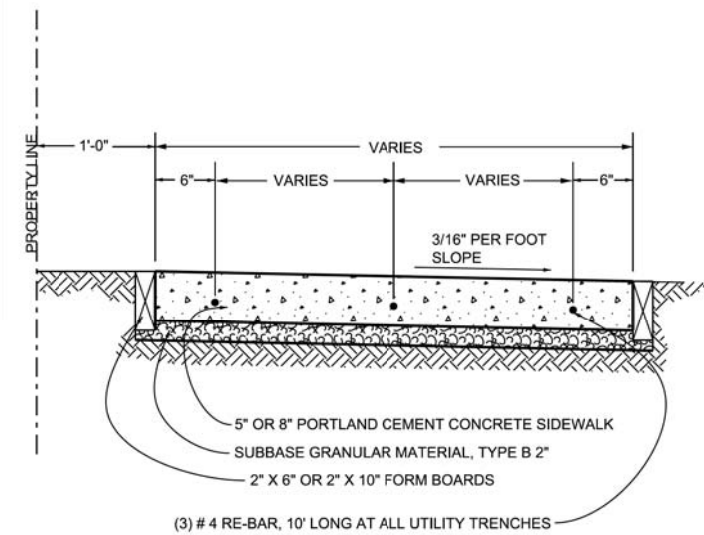
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	79
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



VILLAGE
OF
ELK GROVE VILLAGE

NO.	DATE	BY	REVISIONS
1	4/10/14		



NOTE:

1. A QUALIFIED CONCRETE FINISHER MUST BE ON-SITE WHEN POURING CONCRETE.
2. "CALIFORNIA CORNERS" OR STAMPED CONCRETE MAY BE USED ON THE PRIVATE CONCRETE SIDEWALK. THE PUBLIC SIDEWALK MUST HAVE A BROOM FINSH.
3. PROVIDE 1/2" EXPANSION JOINTS AT 50' INTERVALS.
4. DETECTABLE WARNINGS PANEL SHALL BE ONE OF THE PRODUCTS SPECIFIED IN THE SPECIAL PROVISIONS.

PCC SIDEWALK

PCC DETAIL SHEET 01			
---------------------	--	--	--

DESIGNED BY:
D.C.B.
DRAWN BY:
D.C.B.
NTS

PCC - 01

SHEET NO.

MODEL: 640 MODEL NAME: FILE NAME: ... PCCDetail01.dwg

USER NAME = djc	DESIGNED - KDC	REVISED -
	DRAWN - JAB	REVISED -
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIVELY BOULEVARD RESURFACING
CONSTRUCTION DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	80
CONTRACT NO. 61F24				
ILLINOIS		FED. AID PROJECT		



VILLAGE OF
ELK GROVE VILLAGE

NO.	DATE	BY	REVISIONS
1			

NO.	DATE	BY	REVISIONS
1			

PCC DETAIL SHEET 02

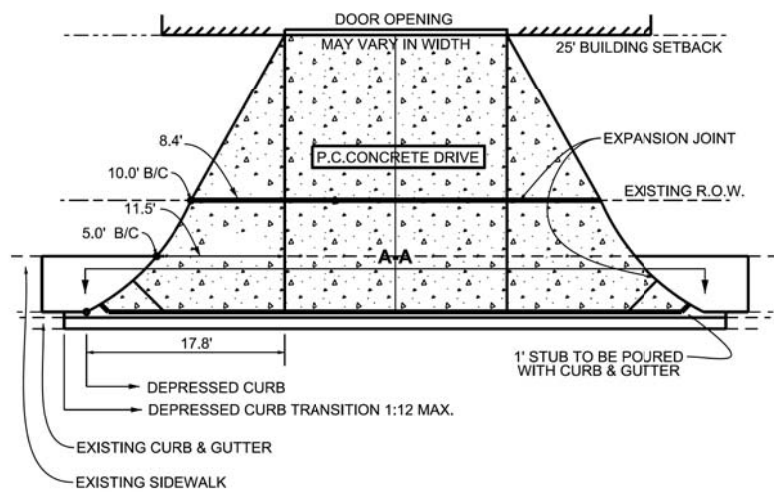
DESIGNED BY:
D.C.B.

DRAWN BY:
D.C.B.

NTS

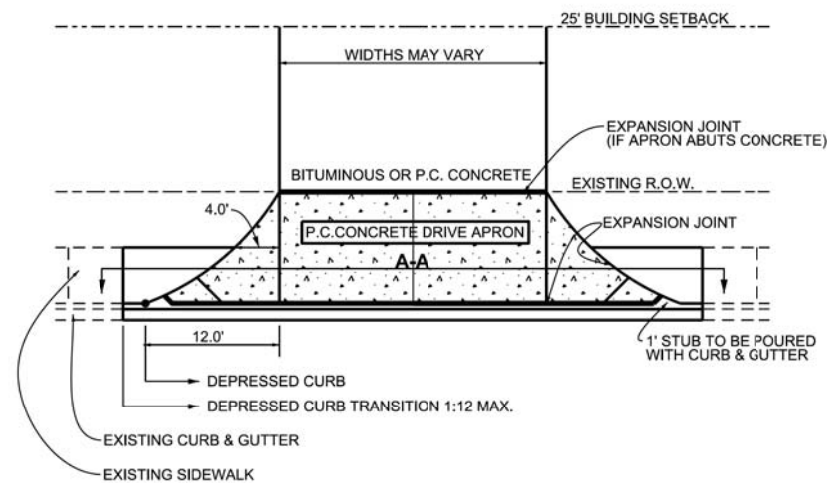
PCC - 02

SHEET NO.

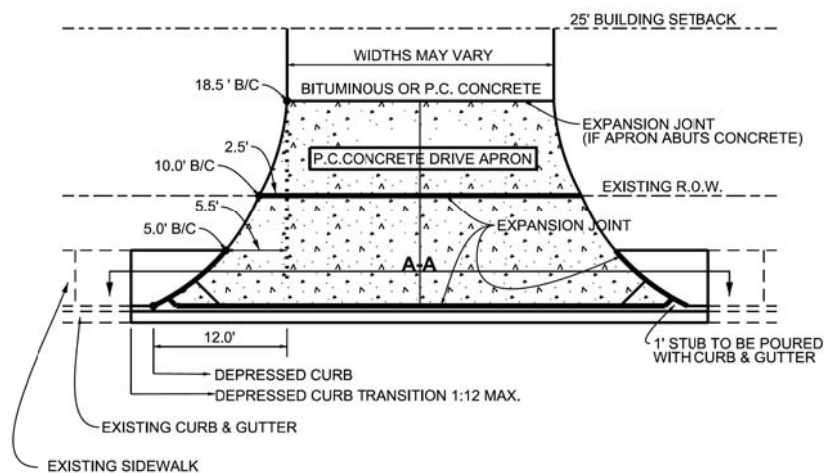


NOTE: 1. CONTRACTION JOINTS SHALL NOT BE SPACED MORE THAN 15' APART.

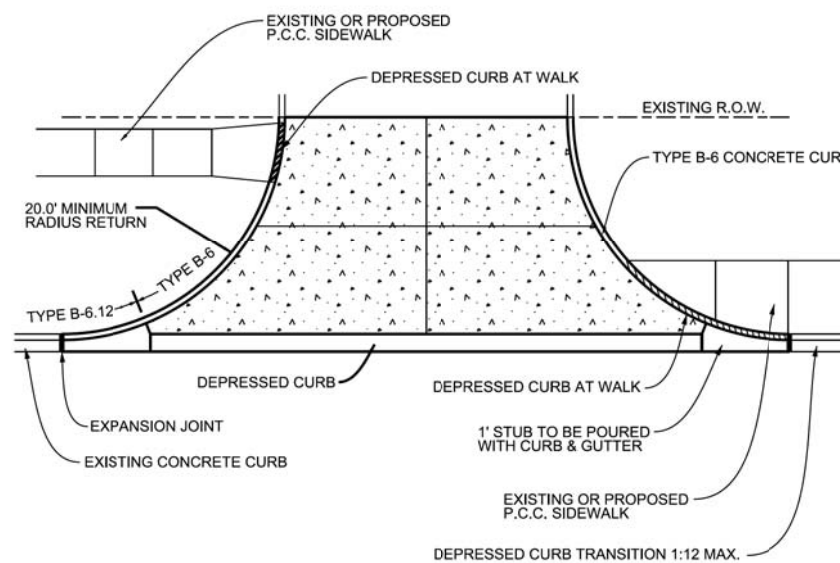
COMMERCIAL / INDUSTRIAL DRIVE APRON ON-STREET LOADING DOCK



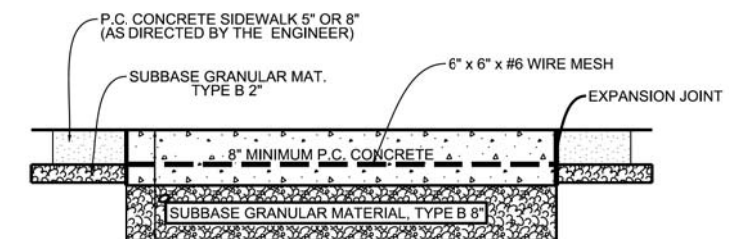
COMMERCIAL / INDUSTRIAL PARKING LOT DRIVE APRON WITHOUT CURB



COMMERCIAL / INDUSTRIAL PARKING LOT DRIVE APRON WITH AN OFF-STREET LOADING DOCK



COMMERCIAL / INDUSTRIAL PARKING LOT DRIVE APRON WITH CURB



SECTION A-A

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	DATE - 10/05/2018	REVISED -

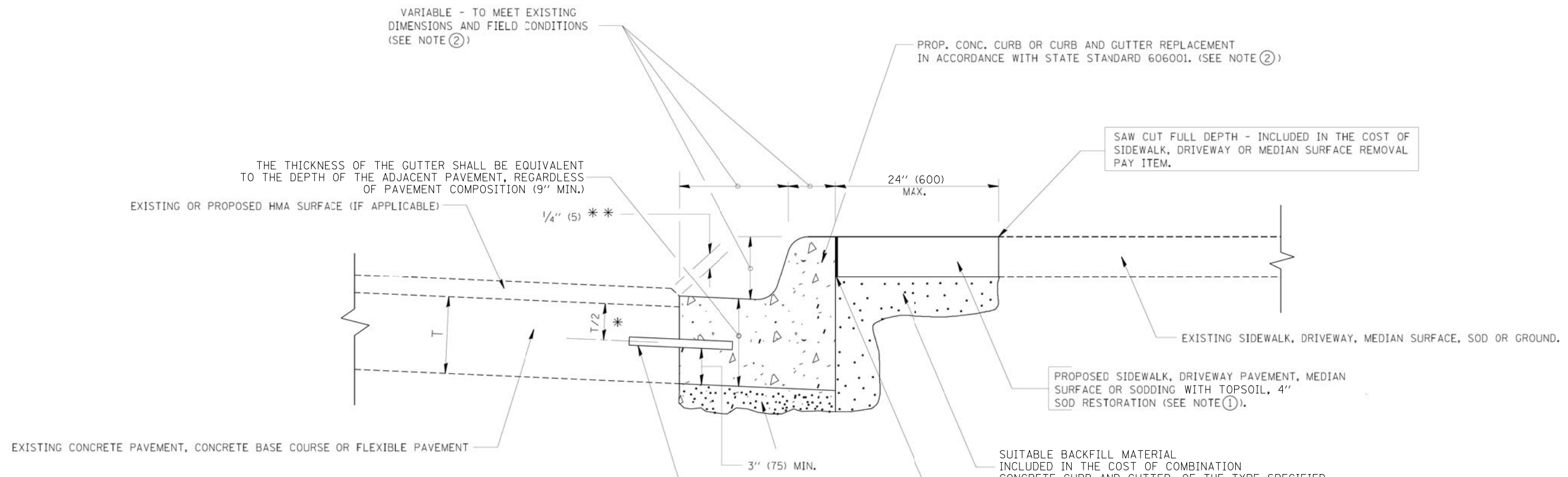
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVELY BOULEVARD RESURFACING
CONSTRUCTION DETAILS

SCALE: NTS SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	81
CONTRACT NO. 61F24				

ILLINOIS FED. AID PROJECT



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

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
 SODDING AND TOPSOIL FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY

- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER REMOVAL.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.
- ⑨ AT LOCATIONS SHOWN ON THE PLANS, THE EXISTING MATERIAL SHALL BE REMOVED AND REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT, 12". THIS WORK SHALL BE PAID FOR SEPARATELY AS "EARTH EXCAVATION" AND "AGGREGATE SUBGRADE IMPROVEMENT, 12"."

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.
 REMOVAL AND REPLACEMENT 4" OR LESS IS INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER, OF THE TYPE SPECIFIED. (SEE NOTE 9)
 REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

WHERE EXISTING CURB AND GUTTER IS TO BE REMOVED AND REPLACED ADJACENT TO EXISTING CONCRETE PAVEMENT REMAINING IN PLACE, THE CONTRACTOR SHALL PERFORM THE REMOVAL SO THAT THE EXISTING TIE BARS CAN BE USED IN TYING THE NEW CURB AND GUTTER TO THE EXISTING PAVEMENT. ANY TIE BARS WHICH ARE DAMAGED OR MISSING SHALL BE REPLACED WITH NO. 6 TIE BARS, 24 INCHES LONG, EMBEDDED 8 INCHES AT 24 IN. CENTERS IN ACCORDANCE WITH THE ARTICLE 420.05 (B) OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

CURB AND GUTTER REMOVAL AND REPLACEMENT DETAIL

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

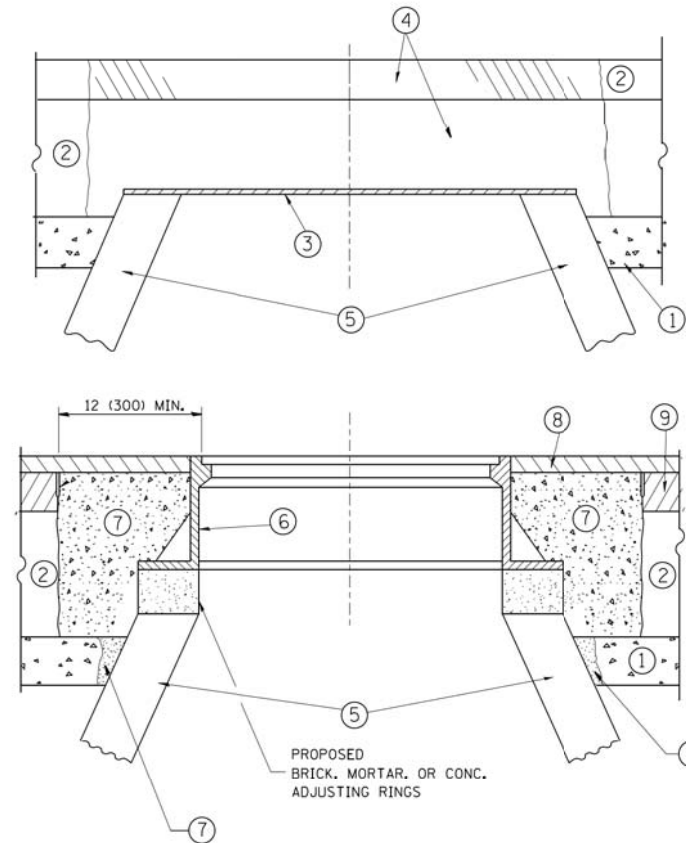
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PLOT DATE = 11/8/2018	DATE - 10/05/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIVELY BOULEVARD RESURFACING CONSTRUCTION DETAILS	
SCALE: NTS	SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	82
CONTRACT NO. 61F24				
ILLINOIS FED. AID PROJECT				



NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

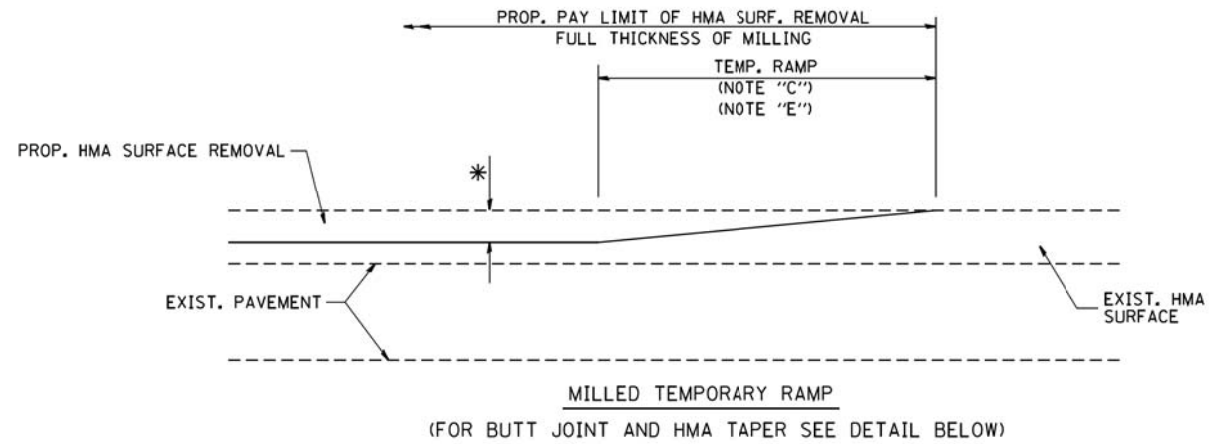
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	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

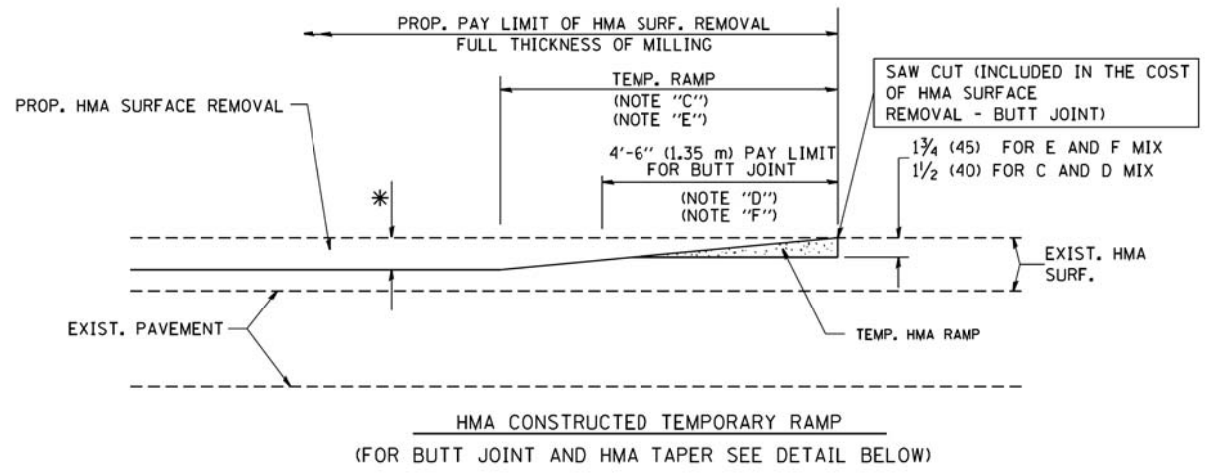
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

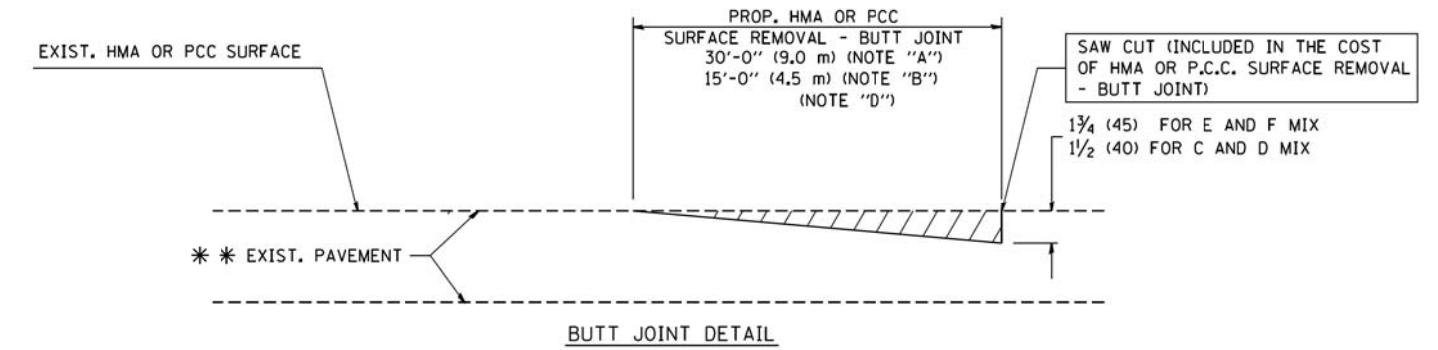
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1700	18-00068-00-RS	COOK	89	83
BD600-03 (BD-8)			CONTRACT NO. 61F24	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



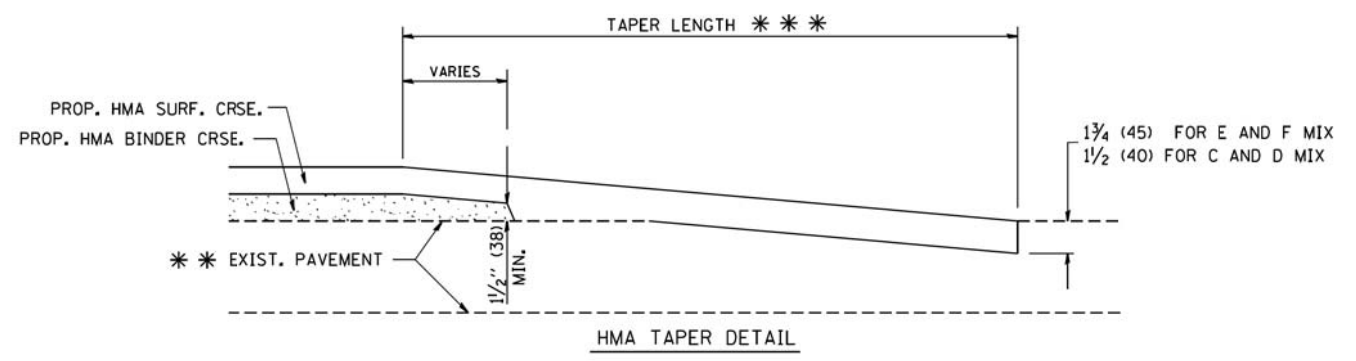
OPTION 1



**OPTION 2
TYPICAL TEMPORARY RAMP**



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

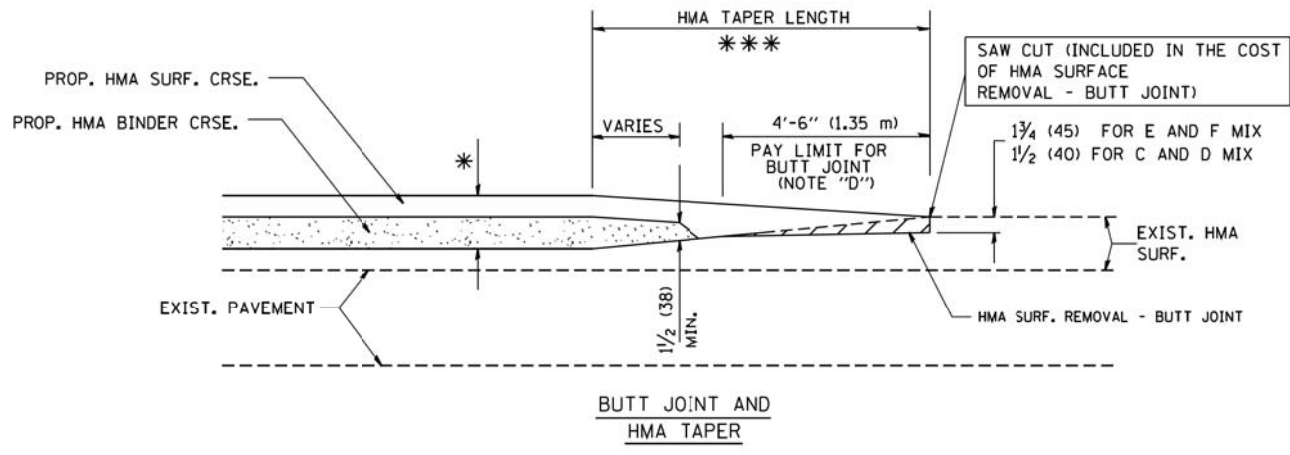
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

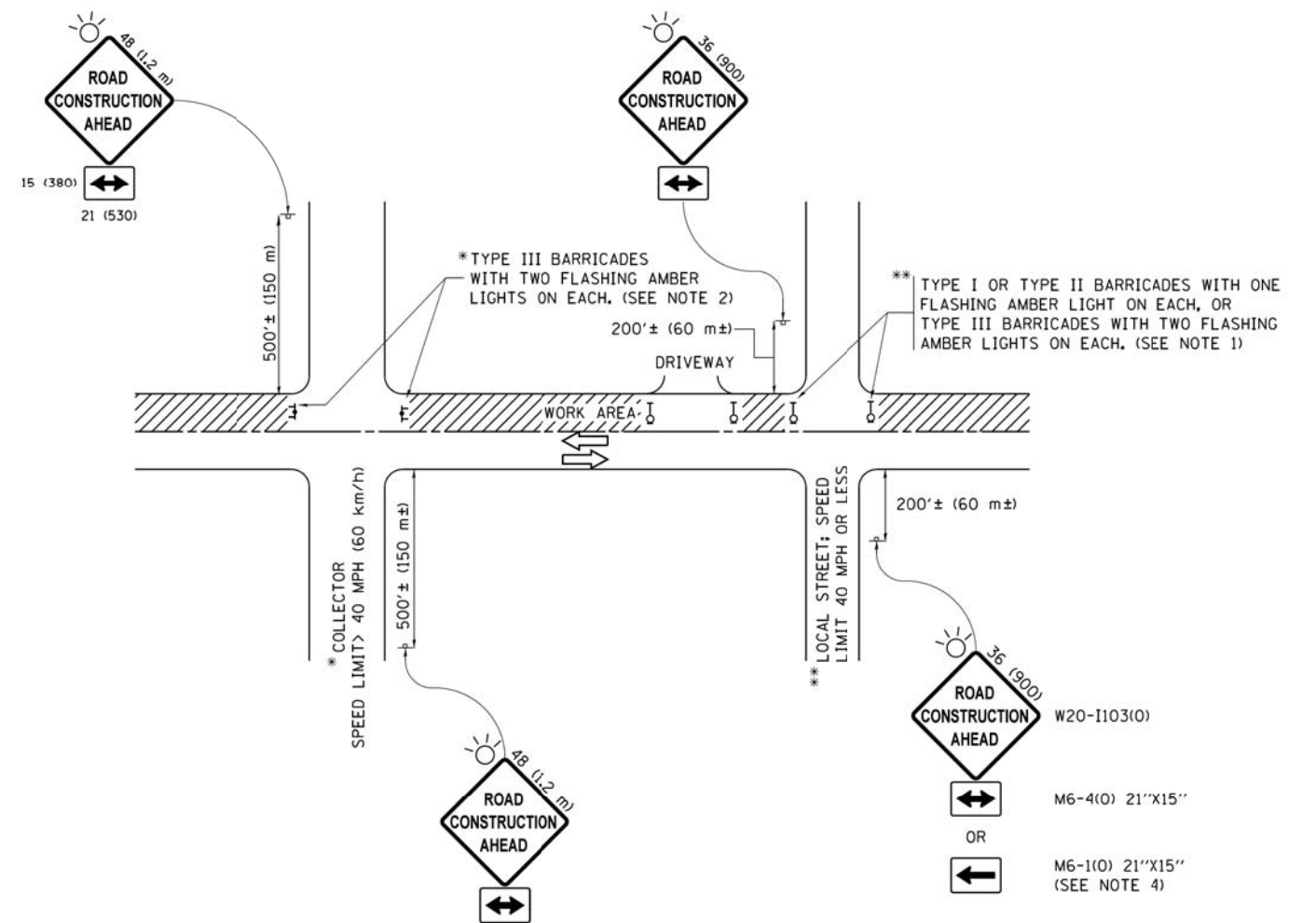
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	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-R5	COOK	89	84
BD400-05 BD32		CONTRACT NO. 61F24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

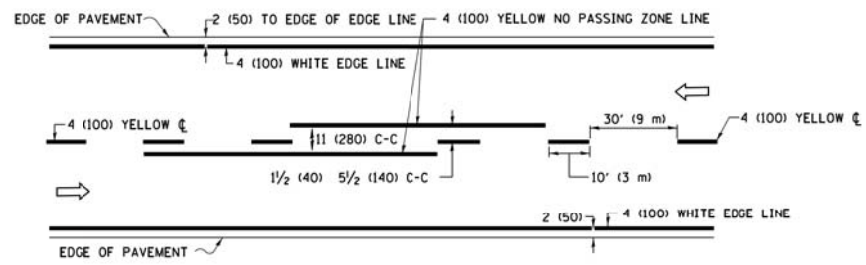
FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw\j\084E8IDINTE\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist		DRAWN\CADData\CADsheets\c18.dgn	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50,000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 05-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

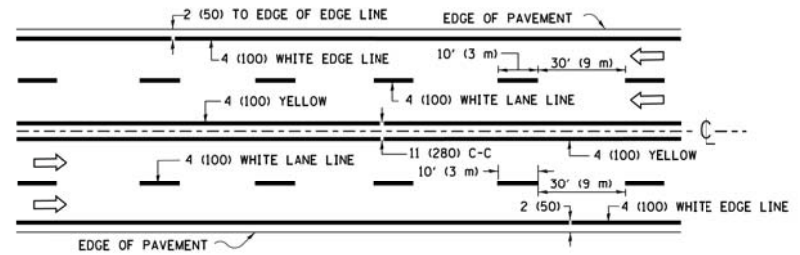
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

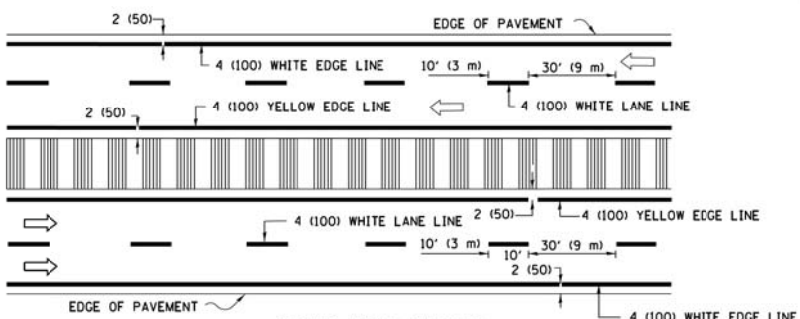
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1700	18-00068-00-R5	COOK	89	85
TC-10		CONTRACT NO. 61F24		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

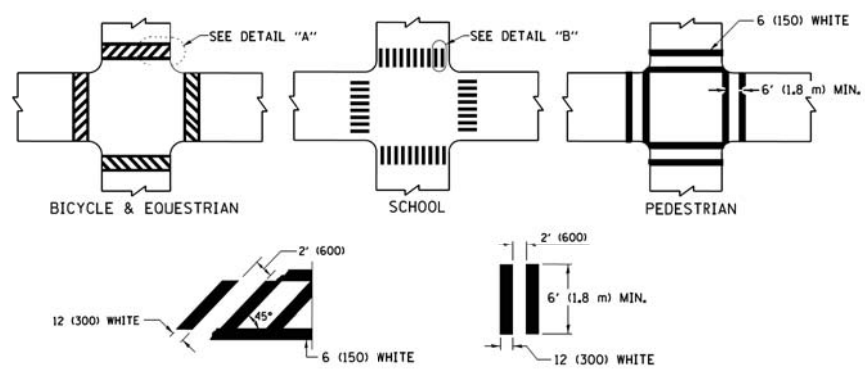


MULTI-LANE UNDIVIDED



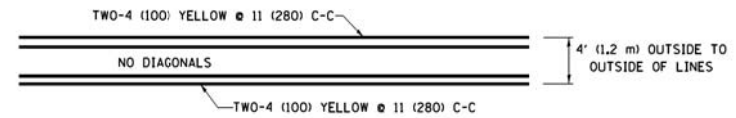
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

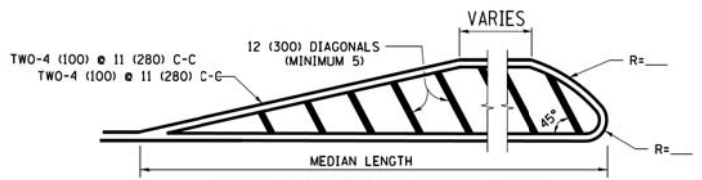


TYPICAL CROSSWALK MARKING

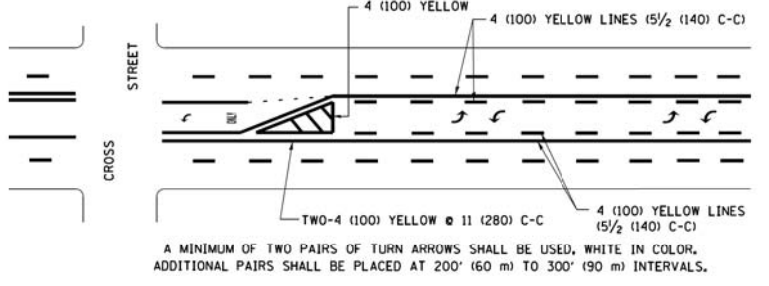
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



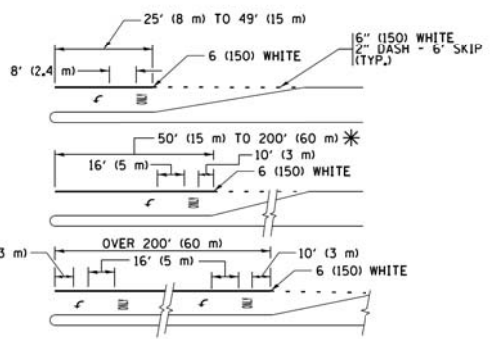
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

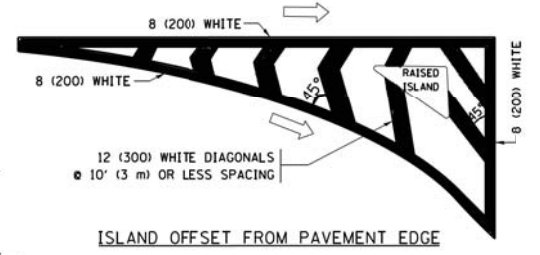


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

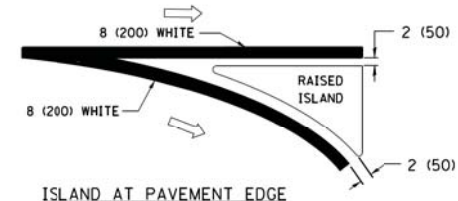


TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

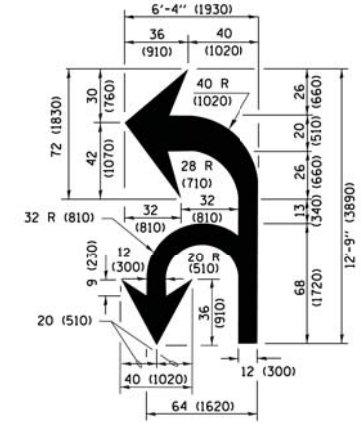
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



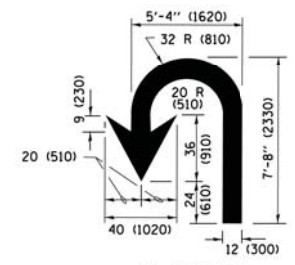
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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

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

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

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

FILE NAME =	USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\j\084EBID\INTE\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\Dist	DRAWN\CADData\CADsheets\c13.dgn	CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50.000 / in	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 4/13/2016		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	86
TC-13		CONTRACT NO.	61F24	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

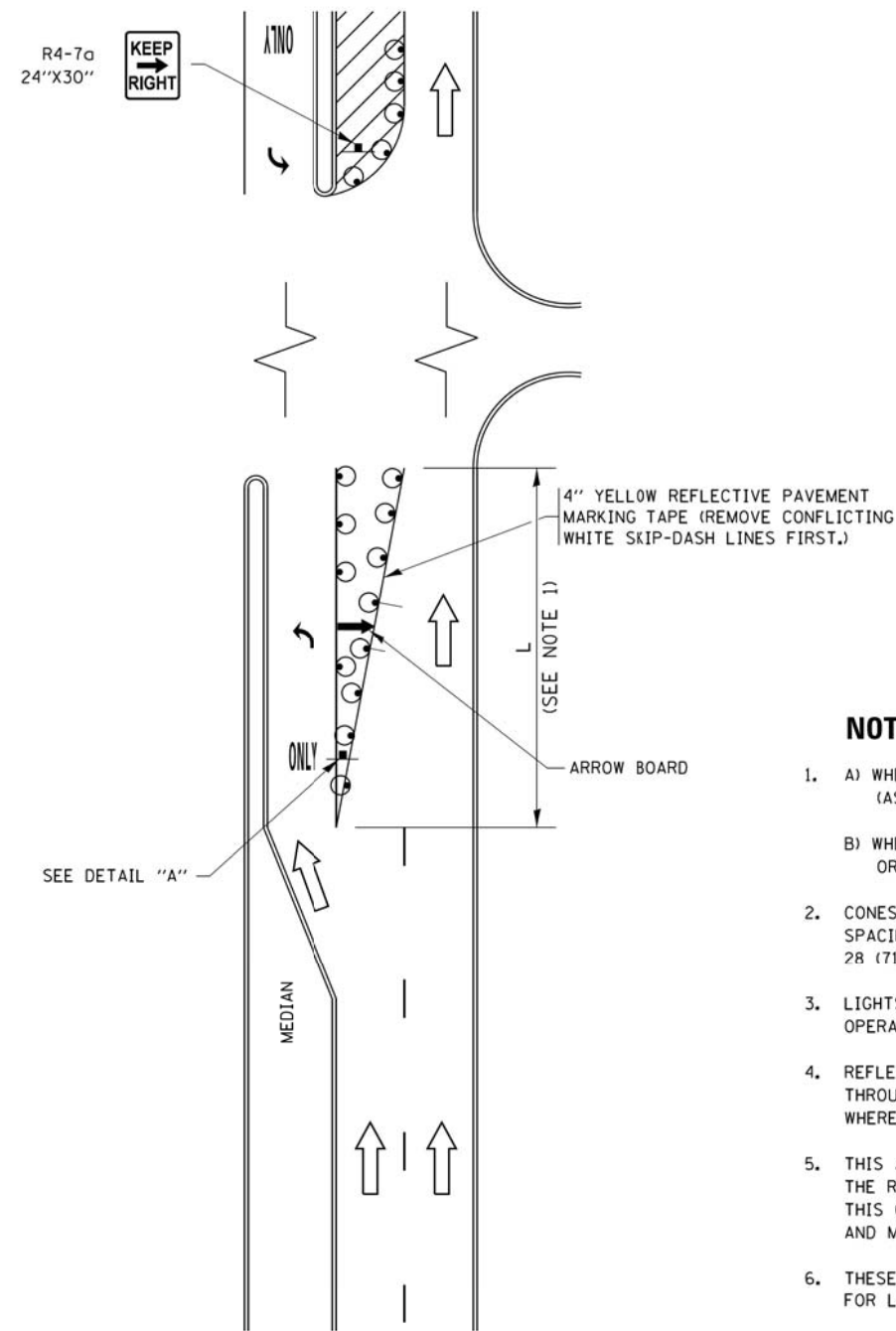


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

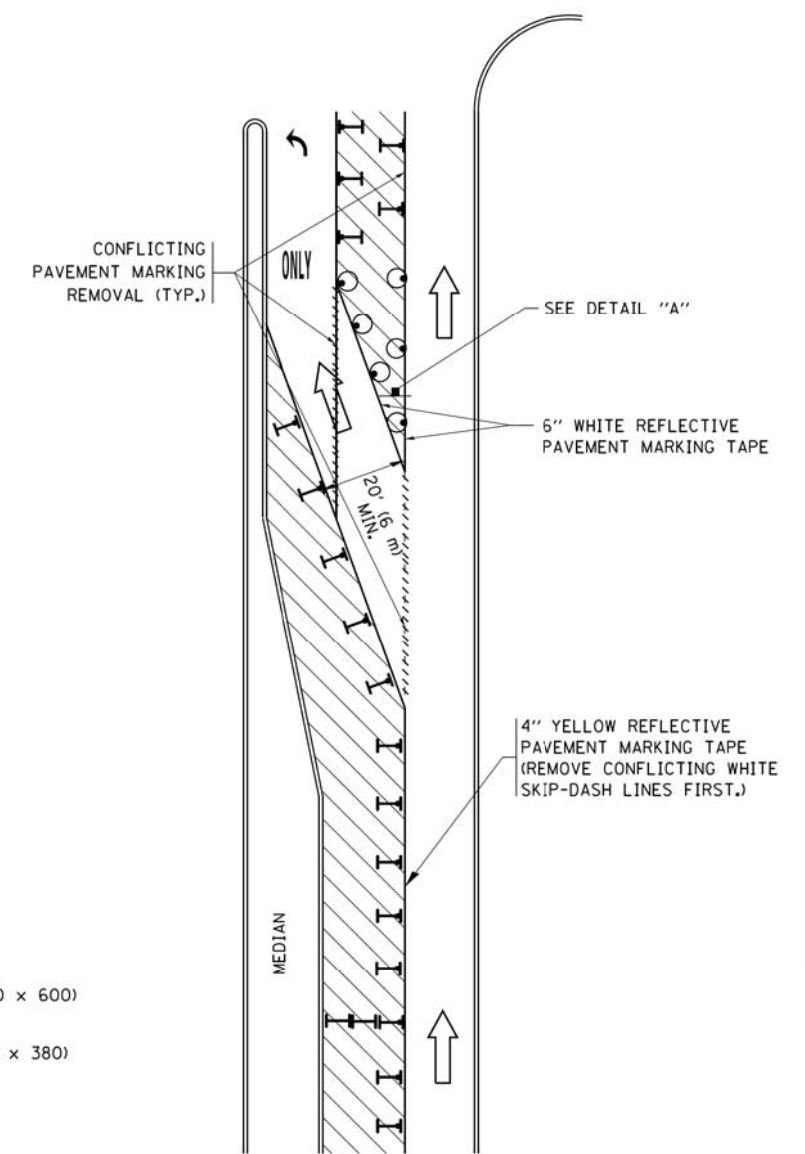
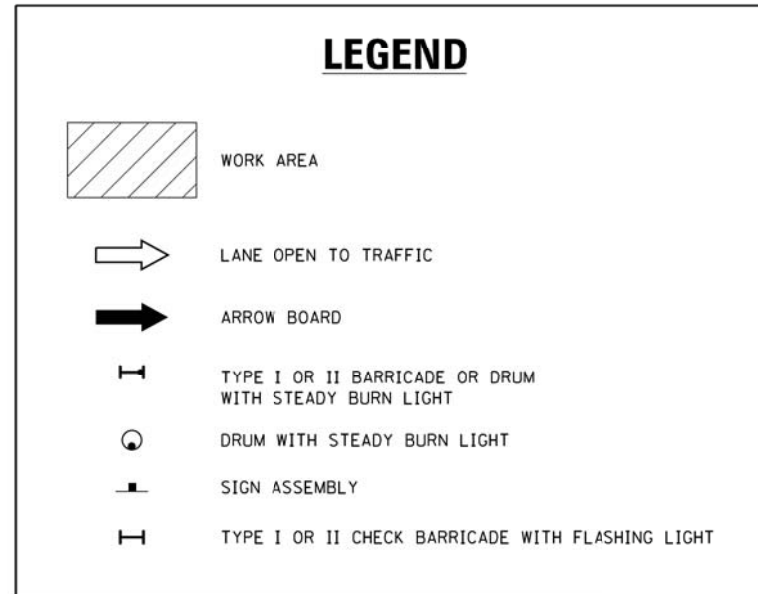
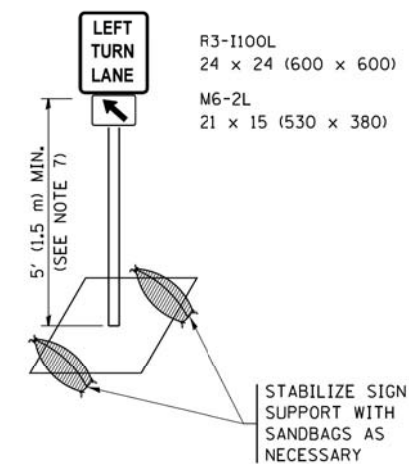


FIGURE 2



NOTES:

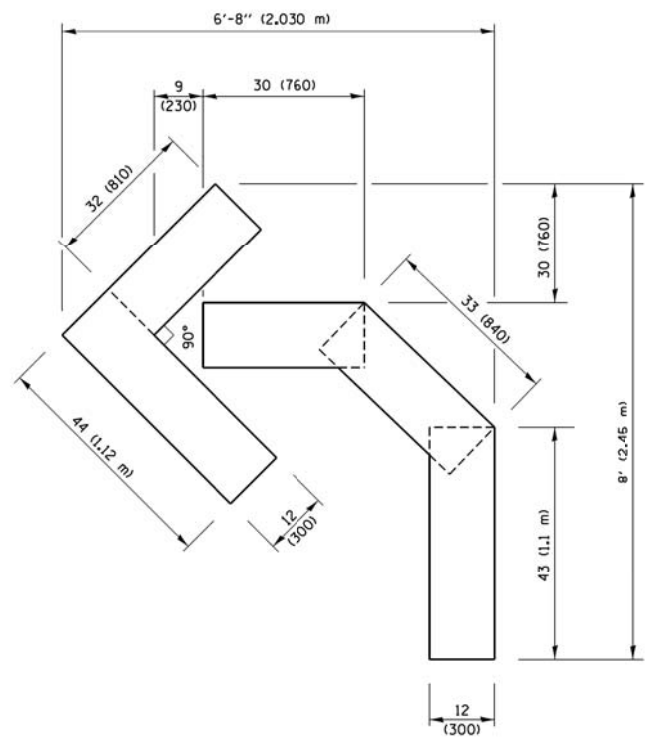
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



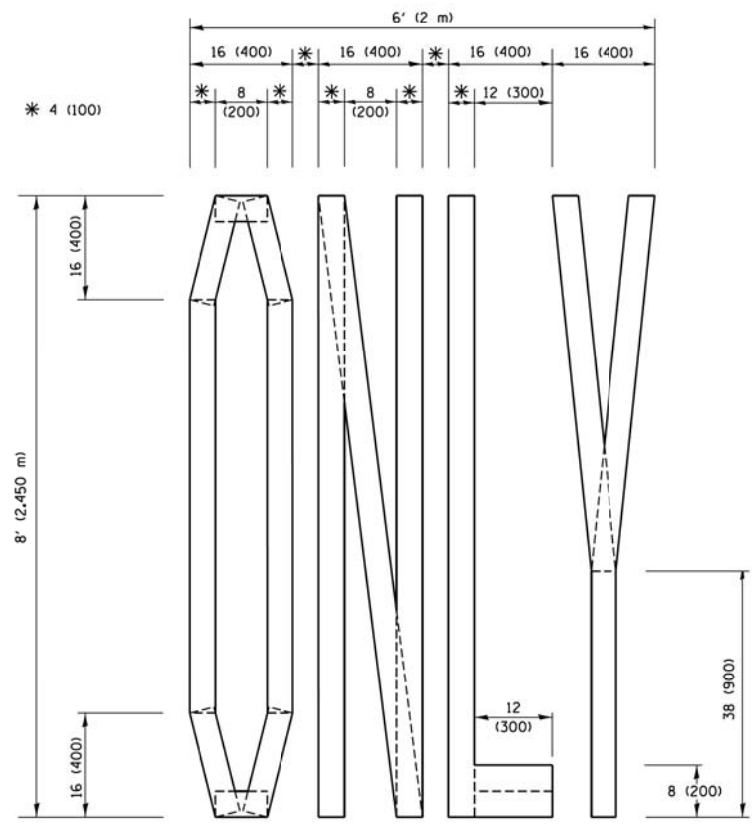
DETAIL A

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

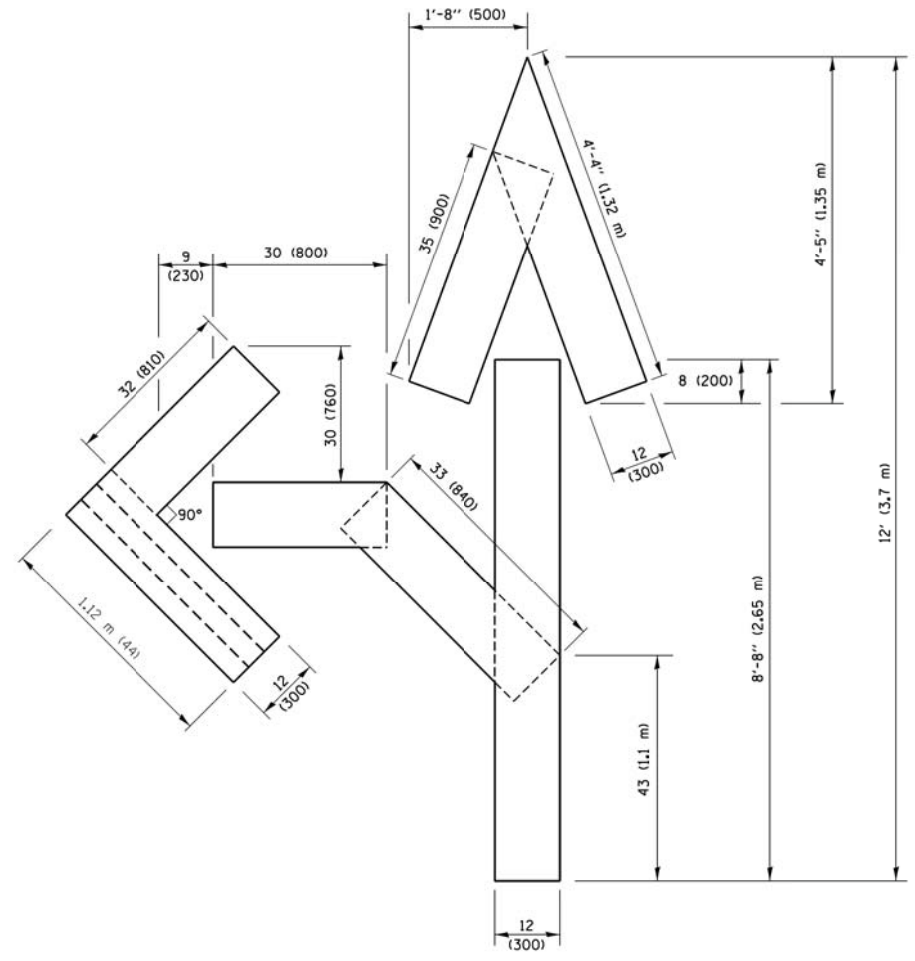
FILE NAME =	USER NAME = footemj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\j\084EBIDINTE\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist	REVISED - A. HOUSEH 10-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 09-15-16		1700	18-00068-00-R5	COOK	89	87			
Default	PLOT SCALE = 50,0000' / in.	REVISED - T. RAMMACHER 01-06-00	REVISED -		TC-14		CONTRACT NO. 61F24		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 9/15/2016				SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.			



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

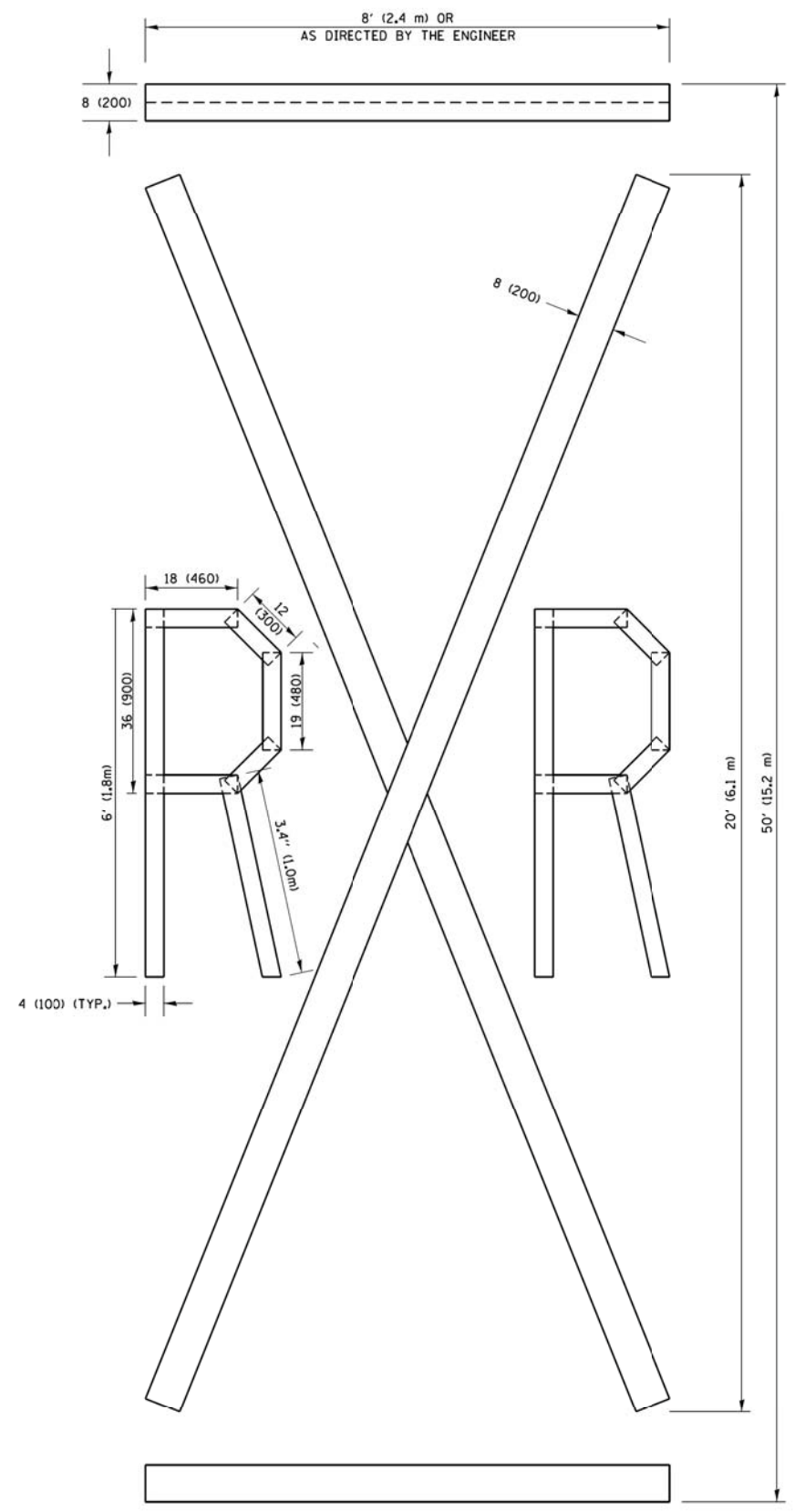


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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



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

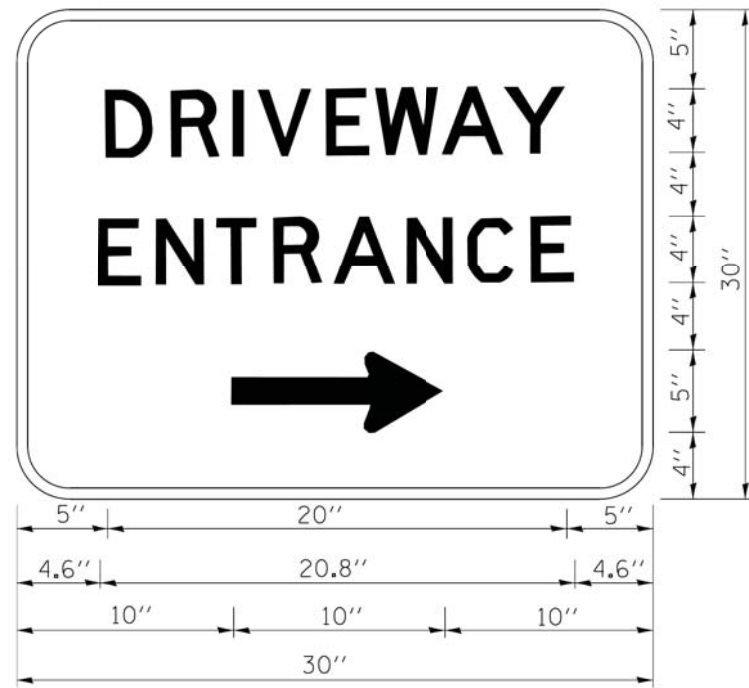
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footej	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
pw\j\084EBIDINTE\illinois.gov\PIWID\Documents\DOT Offices\District 1\Projects\Dist 1\CAD\CADData\CADsheets\c16.dgn		DRAWN -	REVISED -E. GOMEZ 08-28-00
PLOT SCALE = 50,0000 ' / in.		CHECKED -	REVISED -E. GOMEZ 08-28-00
PLOT DATE = 9/15/2016		DATE -	REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	16-00068-00-RS	COOK	89	88
TC-16		CONTRACT NO. 61F24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

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

FILE NAME =	USER NAME = gaglianobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
ci:\pwork\pwidot\gaglianobt\d0108315\tp8.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50,000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1700	18-00068-00-RS	COOK	89	89
TC-26		CONTRACT NO. 61F24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				