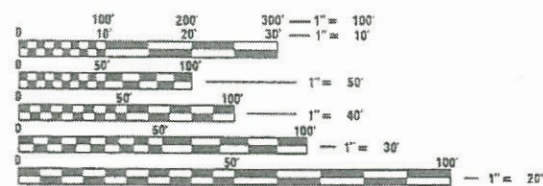


FOR INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS,
SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN:
CITY OF AURORA, VILLAGE OF N. AURORA,
CITY OF BATAVIA, CITY OF GENEVA, AND
VILLAGE OF ELBURN

TRAFFIC DATA

FAU NUMBERS	ROUTE SEGMENT	SPEED (MPH)	ADT (2015)	CLASSIFICATION
523	FABYAN PARKWAY MAIN STREET TO HUGHES ROAD	45	7,850	URBAN 2 LANE, MINOR ARTERIAL
	FABYAN PARKWAY HUGHES ROAD TO KANEVILLE ROAD	45	11,550	URBAN 2 LANE, MINOR ARTERIAL
363	FABYAN PARKWAY KANEVILLE ROAD TO WENMOTH ROAD	45	14,250	URBAN 2 LANE, MINOR ARTERIAL
	FABYAN PARKWAY WENMOTH ROAD TO RANDALL ROAD	45	12,950	URBAN 2/4 LANE, MINOR ARTERIAL
2341	FABYAN PARKWAY RANDALL ROAD TO WESTERN AVENUE	45	27,600	URBAN 4 LANE, OTHER PRINCIPAL ARTERIAL
	FABYAN PARKWAY WESTERN AVENUE TO IL ROUTE 31	40	26,700	URBAN 4 LANE, OTHER PRINCIPAL ARTERIAL
336	FABYAN PARKWAY IL ROUTE 31 TO RADDANT ROAD	45	31,900	URBAN 4 LANE, OTHER PRINCIPAL ARTERIAL
	HUGHES ROAD IL ROUTE 47 TO FABYAN PARKWAY	50	3,100	URBAN 2 LANE, MAJOR COLLECTOR
335	ORCHARD ROAD JERICHO ROAD TO W. INDIAN TRAIL	45	30,700	URBAN 4 LANE, OTHER PRINCIPAL ARTERIAL
	ORCHARD ROAD W. INDIAN TRAIL TO I-88	50	29,900	URBAN 4 LANE, OTHER PRINCIPAL ARTERIAL
336	ORCHARD ROAD 1-88 TO OAK STREET	50	17,500	URBAN 4 LANE, OTHER PRINCIPAL ARTERIAL
	ORCHARD ROAD OAK STREET TO RANDALL ROAD	50	13,600	URBAN 4 LANE, OTHER PRINCIPAL ARTERIAL
335	RANDALL ROAD ORCHARD/MOOSEHEART ROAD TO MAIN STREET	50	32,400	URBAN 4 LANE, OTHER PRINCIPAL ARTERIAL
	RANDALL ROAD MAIN STREET TO FABYAN PARKWAY	45	36,400	URBAN 4 LANE, OTHER PRINCIPAL ARTERIAL



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

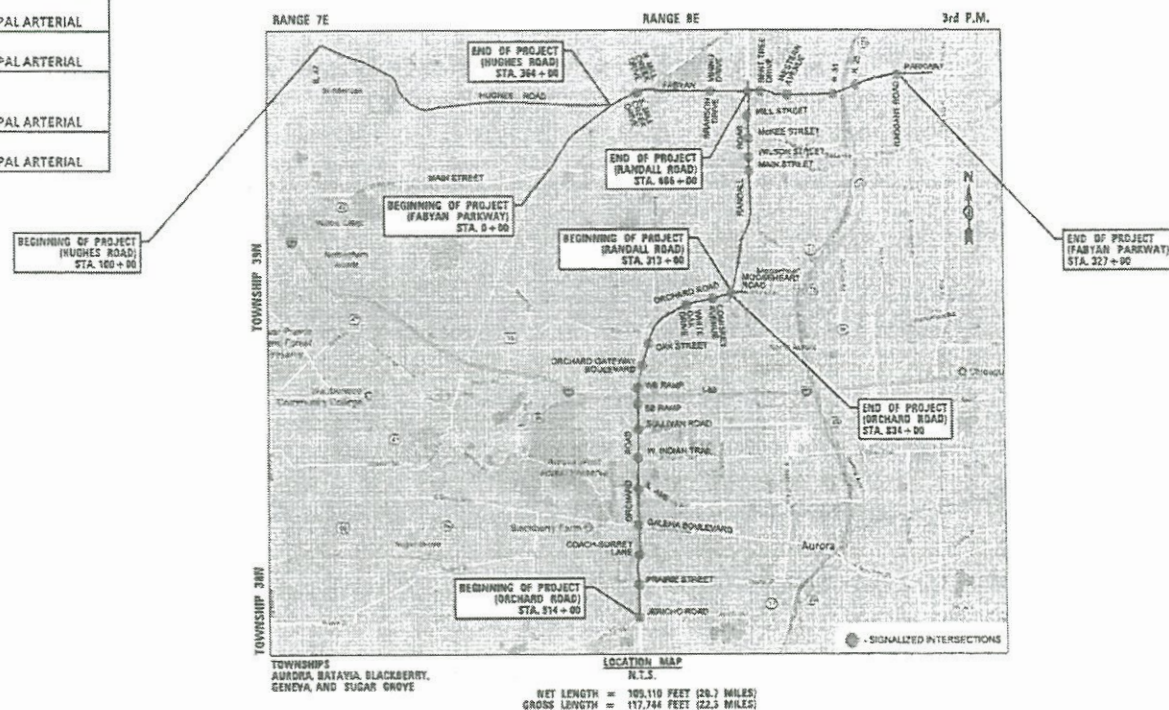
CONTRACT NO. 61E74

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

**VARIOUS ROUTES
HIGHWAY SAFETY IMPROVEMENTS**

SECTION: 12-00424-00-SP
PROJECT NO.: W3HX(781)
KANE COUNTY
JOB NO.: C-91-294-13



SHEETS 8-40

OCTOBER 09, 2018



LEE M. FELL
ILLINOIS REGISTRATION No. 062-053708
EXPIRATION DATE: 11/30/2019

SHEETS 130-150, 152-162

OCTOBER 09, 2018



MARK A. REZNICEK
ILLINOIS REGISTRATION No. 062-046136
EXPIRATION DATE: 11/30/2019

SHEETS 1-10, 41-145, 150-151

OCTOBER 09, 2018



GEORGE M. ZIEGLER
ILLINOIS REGISTRATION No. 062-045853
EXPIRATION DATE: 11/30/2019

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	170	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	61E74	



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED OCTOBER 12, 2018
KANE COUNTY ENGINEER

PASSED NOVEMBER 13, 2018
C. J. CRISTOPHER
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID
BASED ON LIMITED
REVIEW NOVEMBER 19, 2018
Anthony J. ... REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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

INDEX OF SHEETS

LIST OF HIGHWAY STANDARDS


1	COVER SHEET	84	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND JERICHO ROAD	120	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND ORCHARD GATEWAY BOULEVARD	STD. No.	DESCRIPTION
2	INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS	85	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND PRAIRIE STREET	121	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND OAK STREET	000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
3	GENERAL NOTES	86	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND PRAIRIE STREET	122	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND OAK STREET	001006	DECIMAL OF AN INCH AND OF A FOOT
4 - 6	SUMMARY OF QUANTITIES	87	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND PRAIRIE STREET	123	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND WHITE OAK DRIVE	424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
7 - 10	TIES AND BENCHMARKS	88	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND PRAIRIE STREET	124	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND WHITE OAK DRIVE	424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
8 - 40	SIDEWALK IMPROVEMENTS PLANS	89	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND COACH & SURREY LANE	125	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND WHITE OAK DRIVE	606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
41	LIGHT POLE FOUNDATION - STANDARD BE301	90	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND COACH & SURREY LANE	126	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND WHITE OAK DRIVE	606301-04	PC CONCRETE ISLANDS AND MEDIANS
42 - 48	DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS	91	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND COACH & SURREY LANE	127	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND COMISKEY AVENUE	701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
49	TRAFFIC SIGNAL REMOVAL PLAN FABYAN PARKWAY AND MILL CREEK DRIVE	92	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND COACH & SURREY LANE	128	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND COMISKEY AVENUE	701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24' FROM PAVEMENT EDGE
50	TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND MILL CREEK DRIVE	93	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND GALENA BOULEVARD	129	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND COMISKEY AVENUE	701301-04	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
51	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FABYAN PARKWAY AND MILL CREEK DRIVE	94	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND GALENA BOULEVARD	130	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND COMISKEY AVENUE	701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 45 MPH
52	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN FABYAN PARKWAY AND MILL CREEK DRIVE	95	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND ILLINOIS AVENUE	131	TRAFFIC SIGNAL REMOVAL PLAN RANDALL ROAD AND ORCHARD ROAD / MOOSEHEART ROAD	701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
53	TRAFFIC SIGNAL REMOVAL PLAN FABYAN PARKWAY AND BRANSON DRIVE / VIKING DRIVE	96	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND ILLINOIS AVENUE	132	TRAFFIC SIGNAL MODIFICATION PLAN RANDALL ROAD AND ORCHARD ROAD / MOOSEHEART ROAD	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
54	TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND BRANSON DRIVE / VIKING DRIVE	97	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND ILLINOIS AVENUE	133	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE RANDALL ROAD AND ORCHARD ROAD / MOOSEHEART ROAD	701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
55	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FABYAN PARKWAY AND BRANSON DRIVE / VIKING DRIVE	98	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND ILLINOIS AVENUE	134	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN RANDALL ROAD AND ORCHARD ROAD / MOOSEHEART ROAD	701901-08	TRAFFIC CONTROL DEVICES
56	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN FABYAN PARKWAY AND BRANSON DRIVE / VIKING DRIVE	99	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND INDIAN TRAIL ROAD	135	TRAFFIC SIGNAL REMOVAL PLAN RANDALL ROAD AND MAIN STREET	720001-01	SIGN PANEL MOUNTING DETAILS
57	TRAFFIC SIGNAL REMOVAL PLAN FABYAN PARKWAY AND WALMART ACCESS DRIVE	100	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND INDIAN TRAIL ROAD	136	TRAFFIC SIGNAL MODIFICATION PLAN RANDALL ROAD AND MAIN STREET	720006-04	SIGN PANEL ERECTION DETAILS
58	TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND WALMART ACCESS DRIVE	101	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND INDIAN TRAIL ROAD	137	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE RANDALL ROAD AND MAIN STREET	728001-01	TELESCOPING STEEL SIGN SUPPORT
59	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FABYAN PARKWAY AND WALMART ACCESS DRIVE	102	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND INDIAN TRAIL ROAD	138	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN RANDALL ROAD AND MAIN STREET	780001-05	TYPICAL PAVEMENT MARKINGS
60	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN FABYAN PARKWAY AND WALMART ACCESS DRIVE	103	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND HOME DEPOT ENTRANCE	139	TRAFFIC SIGNAL REMOVAL PLAN RANDALL ROAD AND WILSON STREET	805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
61 - 62	TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND RANDALL ROAD	104	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND HOME DEPOT ENTRANCE	140	TRAFFIC SIGNAL MODIFICATION PLAN RANDALL ROAD AND WILSON STREET	814001-03	HANDHOLES
63	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FABYAN PARKWAY AND RANDALL ROAD	105	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND HOME DEPOT ENTRANCE	141	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE RANDALL ROAD AND WILSON STREET	814006-02	DOUBLE HANDHOLES
64	TRAFFIC SIGNAL REMOVAL PLAN FABYAN PARKWAY AND BENT TREE DRIVE	106	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND HOME DEPOT ENTRANCE	142	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN RANDALL ROAD AND WILSON STREET	821101-02	LUMINAIRE WIRING IN POLE
65	TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND BENT TREE DRIVE	107	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND SULLIVAN ROAD	143	TRAFFIC SIGNAL REMOVAL PLAN RANDALL ROAD AND MCKEE STREET	830001-03	LIGHT POLE ALUMINUM MAST ARM
66	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FABYAN PARKWAY AND BENT TREE DRIVE	108	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND SULLIVAN ROAD	144	TRAFFIC SIGNAL MODIFICATION PLAN RANDALL ROAD AND MCKEE STREET	838001-01	BREAKAWAY DEVICES
67	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN FABYAN PARKWAY AND BENT TREE DRIVE	109	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND SULLIVAN ROAD	145	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE RANDALL ROAD AND MCKEE STREET	857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
68	TRAFFIC SIGNAL REMOVAL PLAN FABYAN PARKWAY AND WESTERN AVENUE	110	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND SULLIVAN ROAD	146	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN RANDALL ROAD AND MCKEE STREET	873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
69	TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND WESTERN AVENUE	111	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND I-88 EB RAMP	147	TRAFFIC SIGNAL REMOVAL PLAN RANDALL ROAD AND MILL STREET	877001-07	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
70	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FABYAN PARKWAY AND WESTERN AVENUE	112	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND I-88 EB RAMP	148	TRAFFIC SIGNAL MODIFICATION PLAN RANDALL ROAD AND MILL STREET	877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
71	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN FABYAN PARKWAY AND WESTERN AVENUE	113	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND I-88 EB RAMP	149	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE RANDALL ROAD AND MILL STREET	877006-06	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
72 - 73	TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND IL ROUTE 31	114	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND I-88 EB RAMP	150	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN RANDALL ROAD AND MILL STREET	877011-10	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
74	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FABYAN PARKWAY AND IL ROUTE 31	115	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND I-88 WB RAMP	151	SIGNING PLAN - FABYAN PARKWAY FROM MAIN STREET TO MILL CREEK DRIVE	877012-07	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
75	TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND IL ROUTE 25	116	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND I-88 WB RAMP	152	SIGNING PLAN - ORCHARD ROAD FROM OAK STREET TO RANDALL ROAD	878001-10	CONCRETE FOUNDATION DETAILS
76	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FABYAN PARKWAY AND IL ROUTE 25	117	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND I-88 WB RAMP	153 - 164	SIGNING PLAN - HUGHES ROAD FROM IL ROUTE 47 TO FABYAN PARKWAY	880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
77	TRAFFIC SIGNAL REMOVAL PLAN FABYAN PARKWAY AND RADDANT ROAD	118	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND I-88 WB RAMP	165 - 169	SIGNING PLAN - RANDALL ROAD FROM ORCHARD ROAD TO MAIN STREET		
78	TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND RADDANT ROAD	119	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND ORCHARD GATEWAY BOULEVARD	170	DETAILS		
79	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FABYAN PARKWAY AND RADDANT ROAD			171	ARTERIAL ROAD INFORMATION SIGN		
80	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN FABYAN PARKWAY AND RADDANT ROAD						
81	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND JERICHO ROAD						
82	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND JERICHO ROAD						
83	CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND JERICHO ROAD						

DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY	CHECKED	DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY	CHECKED	DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY	CHECKED	DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY	CHECKED
PLAN		NOTE BOOK		NO.		NO.		NO.		NO.		NO.		NO.		NO.		NO.		NO.		NO.		NO.		NO.	

CHRISTOPHER B. BURKE
 ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (617) 623-5900

FILE NAME	001a.INDEX-120523	USER NAME	fbariso	DESIGNED	TFS	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLLOT SCALE	= 2"	CHECKED	GMZ	REVISED	-	VAR.	12-00424-00-SP									KANE	171	2		
PLLOT DATE	= 11/16/2018	DATE	11/16/2018	REVISED	-	CONTRACT NO. 61E74														
						SCALE:	SHEET NO.									OF	SHEETS	STA.	TO	STA.

PROFILE SURVEYED GRADES CHECKED E.M. NOTED STRUCTURE NOTATIONS OK/NO NO. _____	PLAN SURVEYED ALONGMENT CHECKED R.T. OF WAY CHECKED SUD. FILE NAME _____ NO. _____	BY _____ DATE _____	DATE _____ BY _____
--	--	------------------------	------------------------



CHRISTOPHER B. BURKE
ENGINEERING LTD.
8575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(617) 923-5000

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016, HEREON KNOWN AS THE "STANDARD SPECIFICATIONS"; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE LATEST REVISION: THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (ILMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JUNE 2014 SEVENTH EDITION, THE "DETAIL" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT HIGHWAY STANDARD.

CODES OF THE IEPA TITLE 35, AND O.S.H.A. SHALL BE ADHERED TO FOR THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.

ALL REQUIRED PERMITS FROM THE PROPER GOVERNING AGENCY SHALL BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHEETING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE AGENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC.

UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITY FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, THE COUNTY, AND THE DEPARTMENT DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 8-1-1 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE.

WATER, STORM SEWER AND SANITARY SEWER

WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.

SIDEWALK/ CURB RAMPS

COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION BEGINS.

DETECTABLE WARNINGS FOR THE HANDICAPPED SHALL BE INSTALLED AT INTERSECTING STREETS AS SHOWN ON THE PLANS.

PROPOSED CONCRETE CURB AND GUTTER SHALL BE TRANSITIONED TO EXISTING CURB AND GUTTER OVER A LENGTH OF 5 FEET.

MISCELLANEOUS

ACCESS: THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION.

ALL SAW CUTTING SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAW CUTTING WILL NOT BE MEASURED FOR PAYMENT.

PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

CONTRACTOR SHALL NOT PLACE SOD UNTIL THE TEMPERATURE IS 80° F OR LESS AND THE FORECAST FOR THE NEXT 7 DAYS SHOWS TEMPERATURES OF 80° F OR LESS. IF ALL OTHER PAY ITEMS ARE COMPLETED, THE CONTRACTOR WILL NOT BE CHARGED WORKING DAYS FOR DELAYS IN PARKWAY RESTORATION DUE TO TEMPERATURE.

AT NO TIME SHALL LESS THAN HALF OF THE STREET BE AVAILABLE FOR PARKING.

VANDALISM: SPECIAL ATTENTION IS CALLED TO THE SPECIAL PROVISION FOR "INSPECTION" AS WELL AS ARTICLE 107.30 OF THE "STANDARD SPECIFICATIONS." ANY DEFACED WORK AS DETERMINED AND DIRECTED BY THE COUNTY SHALL BE CORRECTED OR REPLACED TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR AT HIS SOLE EXPENSE PRIOR TO FINAL PAYMENT. KANE COUNTY WILL COOPERATE WITH THE CONTRACTOR TO MINIMIZE VANDALISM, BUT THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE TO CORRECT ANY DAMAGE. THE DEPARTMENT, COUNTY AND ANY LOCAL MUNICIPALITY WILL NOT BE RESPONSIBLE FOR THE SECURITY OF THE WORK SITE IN THIS REGARD, OTHER THAN NORMAL PATROLLING AND RESPONSE TO EMERGENCIES.

TRAFFIC SIGNALS

ALL RIGID NONMETALLIC (PVC) CONDUIT INSTALLED UNDER PAVEMENT, STABILIZED SHOULDER, PAVED MEDIAN, PAVED DRIVEWAY, CURB AND/OR GUTTER, AND SIDEWALK SHALL BE SCHEDULE 80 CONDUIT PER ARTICLE 1088.01(b) OF THE "STANDARD SPECIFICATIONS".

THE CONTRACTOR SHALL SUBMIT A STAGING PLAN FOR EACH TRAFFIC SIGNAL MODERNIZATION LOCATION TO THE ENGINEER FOR APPROVAL, PER THE CONTRACT SPECIAL PROVISIONS, PRIOR THE START OF TRAFFIC SIGNAL WORK AT EACH PROPOSED LOCATION.

THE LOCATION OF THE PEDESTRIAN PUSHBUTTON MUST BE PARALLEL TO THE CROSSWALK. PEDESTRIAN PUSH-BUTTON LOCATIONS SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.

SIGNS

LOCATIONS OF SIGNS SHOWN IN THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED BASED ON FIELD CONDITIONS BY THE CONTRACTOR AS NECESSARY IN ACCORDANCE WITH HIGHWAY STANDARD 720006 AND THE ILLINOIS MUTCD.

ALL MAST ARM MOUNTED SIGN PANELS AND OTHER SIGN PANELS SPECIFIED BY THE ENGINEER, SHALL INCLUDE SUPPORTING CHANNELS INSTALLED ON THE BACK SIDE OF THE SIGN IN ACCORDANCE WITH HIGHWAY STANDARD 720001.

THE CONTRACTOR SHALL RELOCATE OR REMOVE SIGNS, WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS IN ACCORDANCE TO ARTICLE 107.25 OF THE "STANDARD SPECIFICATIONS". STOP SIGNS, SPEED LIMIT SIGNS, STREET NAME SIGNS AND ALL OTHER SIGNS SPECIFIED BY THE ENGINEER SHALL BE UP AND VISIBLE AT ALL TIMES.

THE CONTRACTOR SHALL CONTACT RAY JOHNSON (630) 406-7356 AND THE ENGINEER PRIOR TO THE REMOVAL OR REPLACEMENT OF EXISTING SIGNING, TO COORDINATE NEW SIGNING LOCATIONS AND DELIVERY OF REMOVED EXISTING SIGNING TO COUNTY FACILITIES.

THE CONTRACT SHALL COORDINATE ANY NECESSARY REMOVAL AND/OR RELOCATION OF PACE BUS STOP SIGNS DIRECTLY WITH PACE (630) 892-8444.

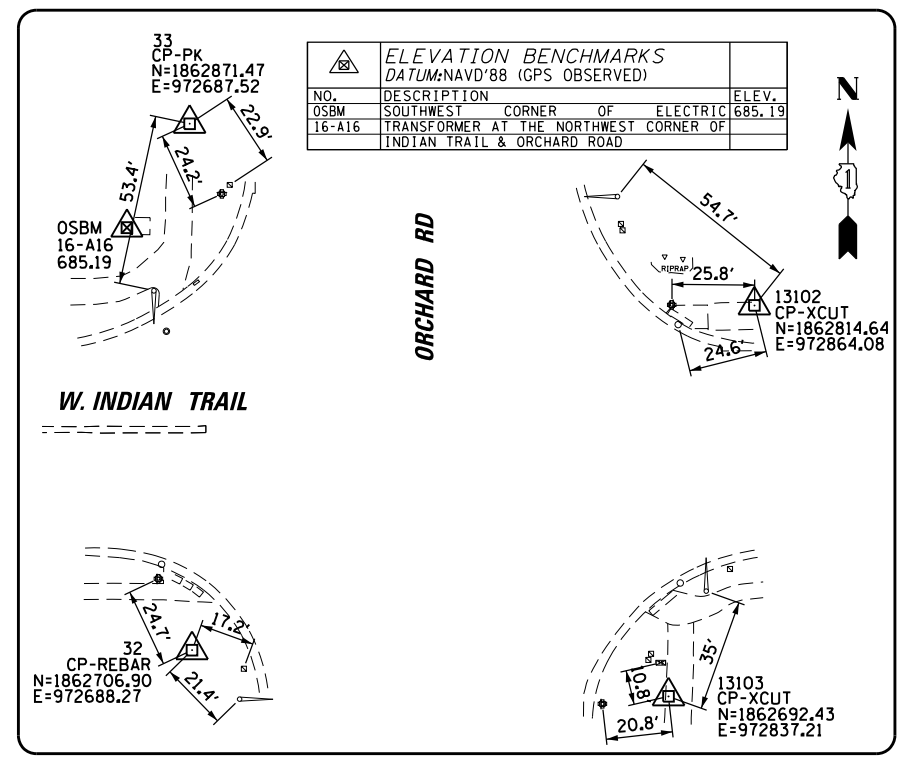
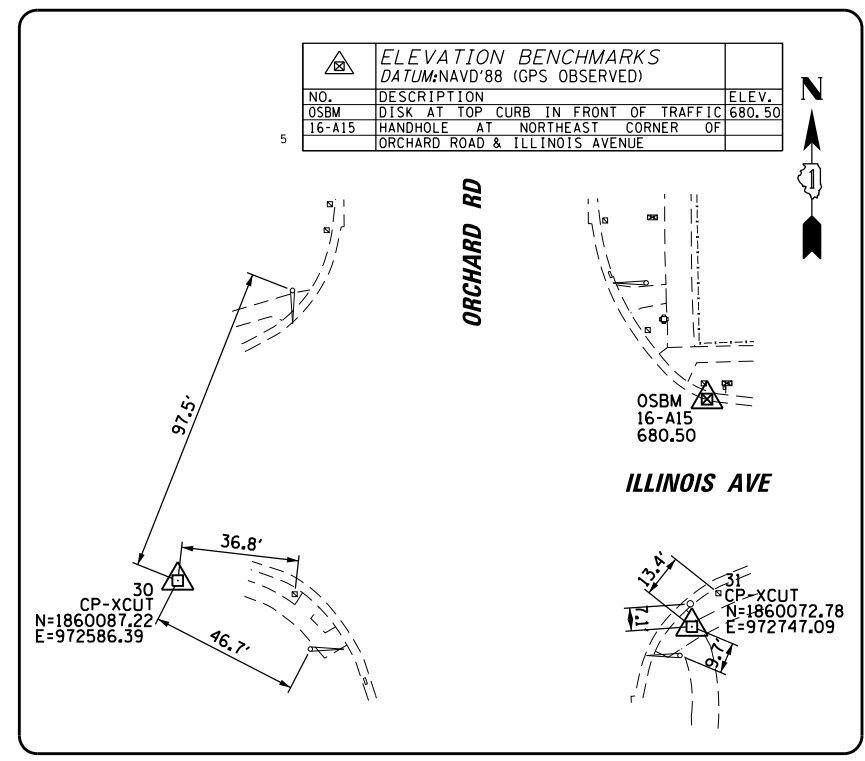
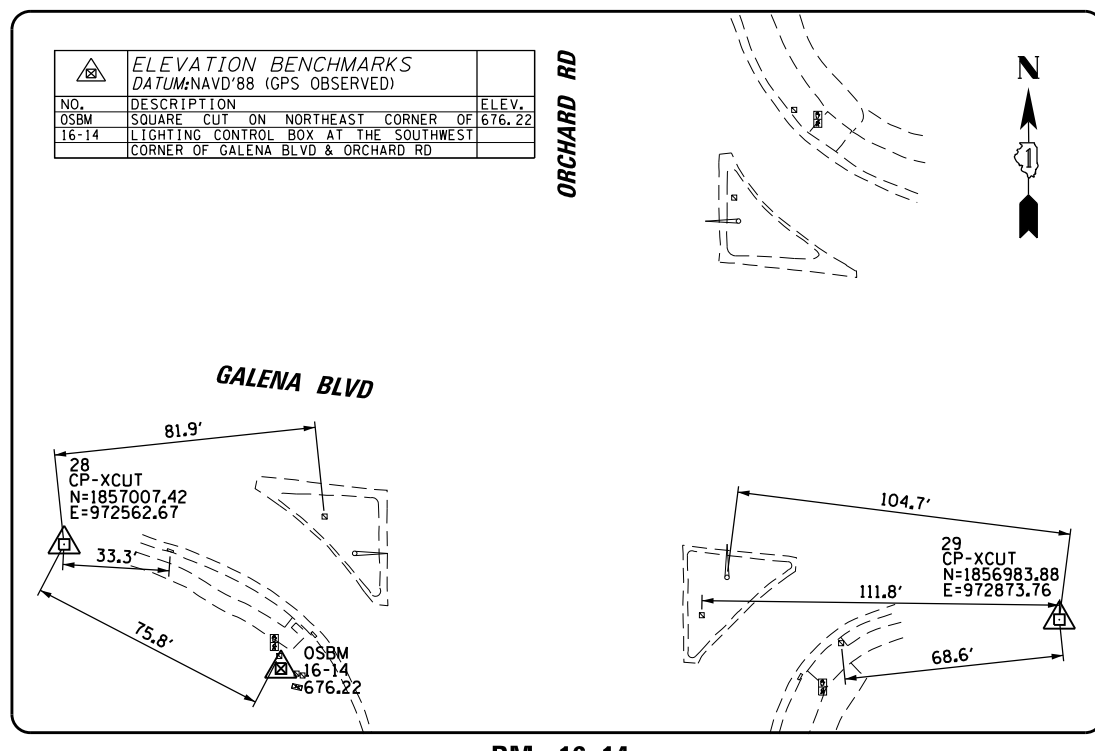
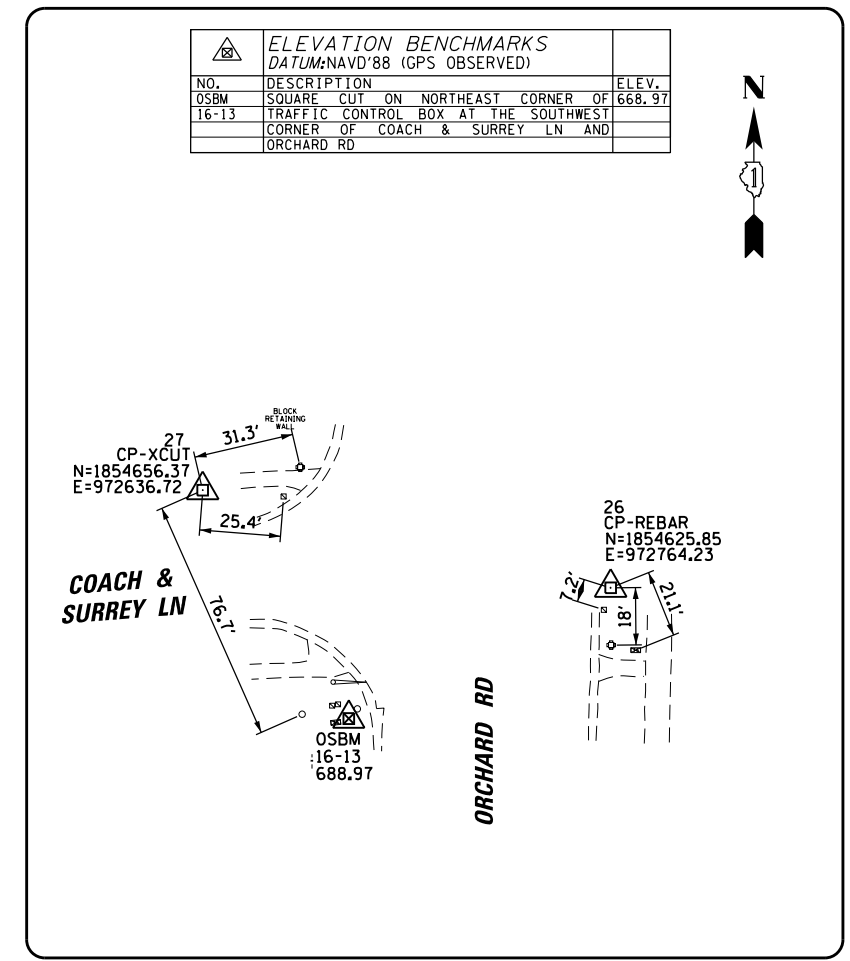
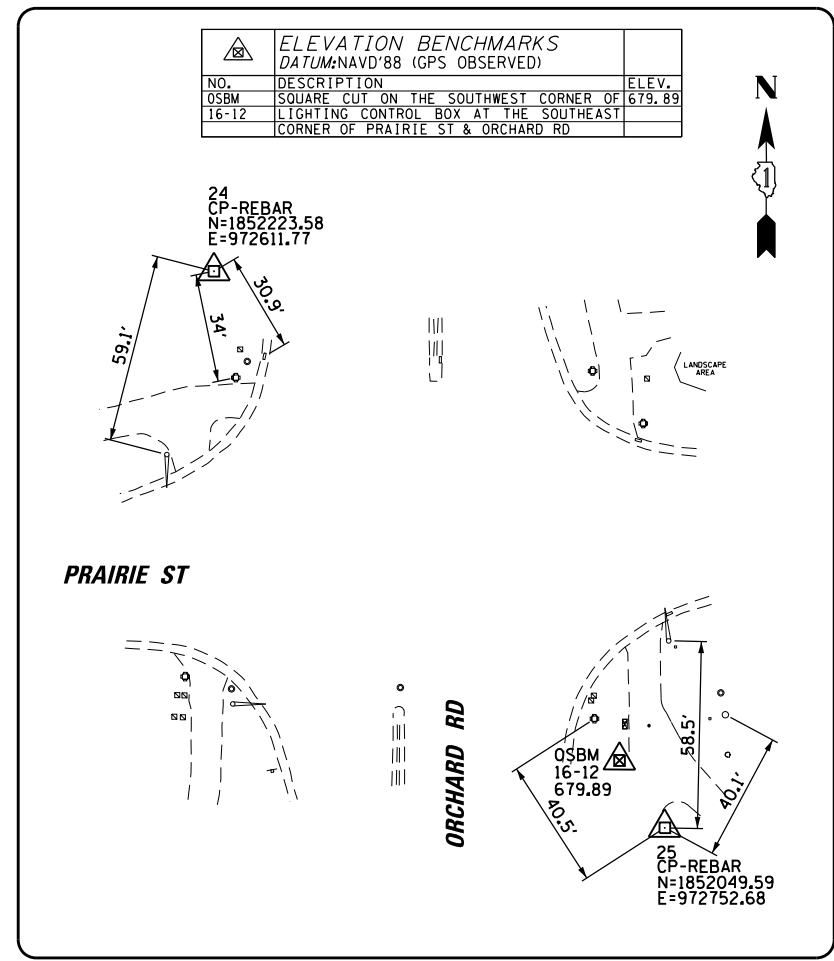
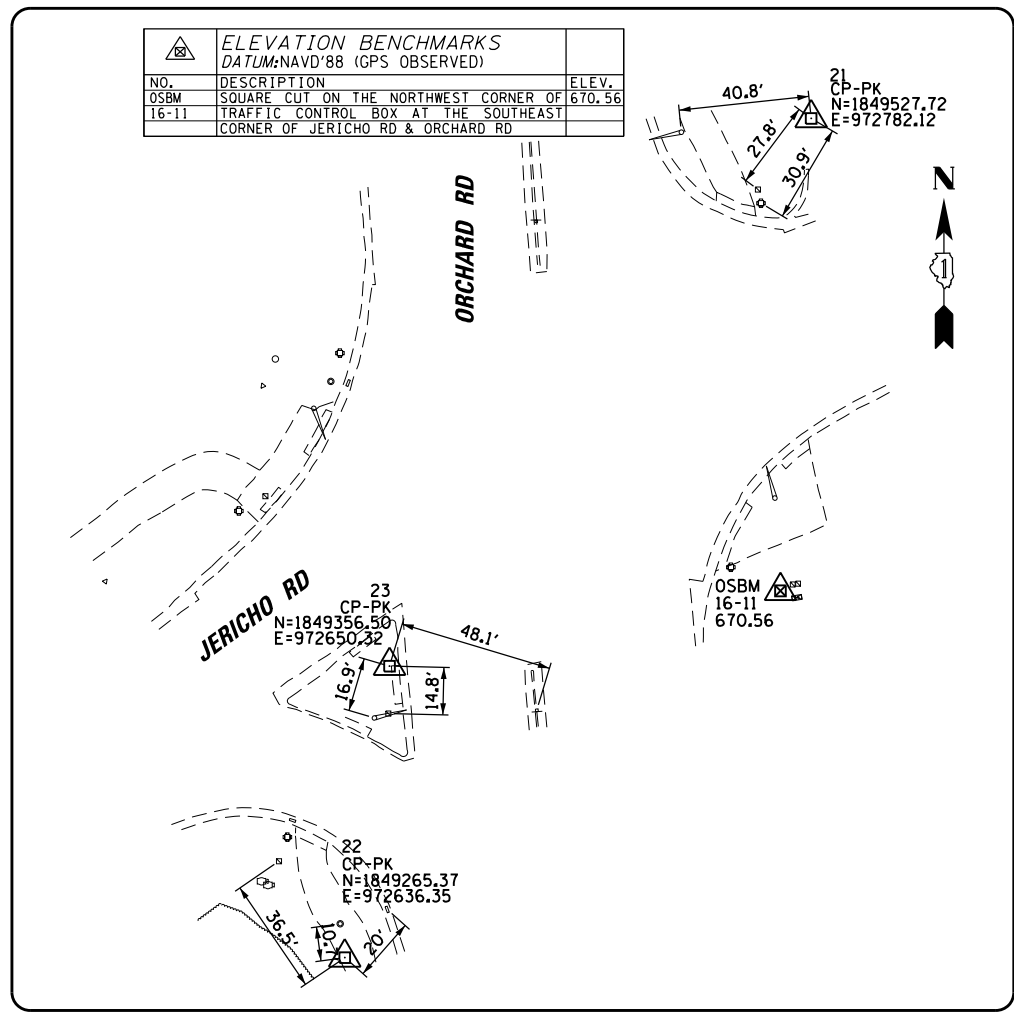
TRAFFIC CONTROL AND PROTECTION

NO CONSTRUCTION SHALL BEGIN UNTIL ALL PROPER TEMPORARY SIGNS AND BARRICADES HAVE BEEN INSTALLED.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
ITEM	VOIDS
CLASS D PATCHES, 12 INCH HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 3" (HMA BINDER IL-19.0, N70), 9"	4% @ 70 GYR. 4% @ 70 GYR.

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
2. FOR USE OF RECYCLED MATERIAL SEE SPECIAL PROVISIONS.
3. AC-TYPE PG58-22/PG58-28 TO BE USED FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm) AND HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50.

FILE NAME 001b_GEN Notes-120523	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2"	CHECKED - GMZ	REVISIED -							VAR.	12-00424-00-SP	KANE	171	3
	PLOT DATE = 11/20/2018	DATE - 11/20/2018	REVISIED -							CONTRACT NO. 61E74				
											FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HS1P-W3HX(781)	



FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBELSRVRI\cbbel\df\t\Kane County\120523\Civil\BNH\120523-01.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 60'	CHECKED - BG	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

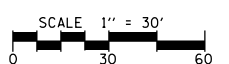
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PEDESTRIAN ACCESS ROUTE
ORCHARD ROAD
TIES AND BENCHMARKS**

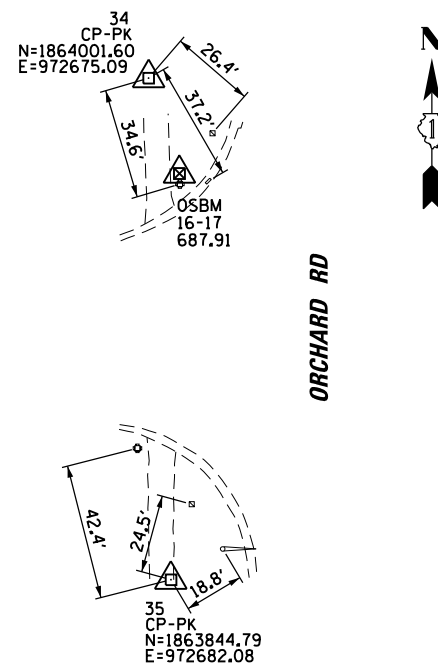
SCALE: 60' SHEET NO. 7 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	7

CONTRACT NO. ILLINOIS FED. AID PROJECT



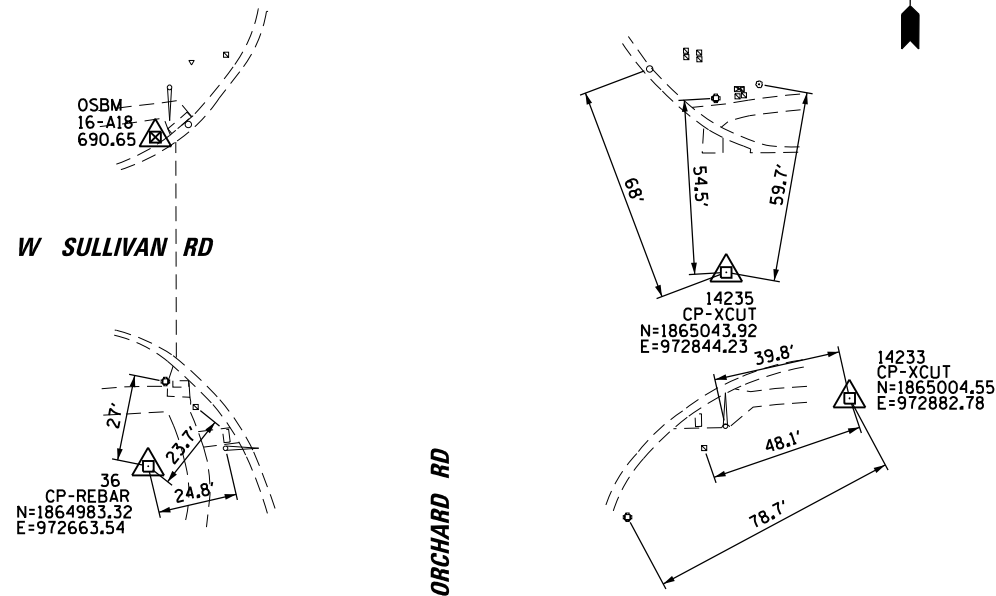
ELEVATION BENCHMARKS DATUM:NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 16-17	SQUARE CUT ON THREE STYLE LIGHT POLE AT THE NORTHWEST CORNER OF HOME DEPOT ENTRANCE & ORCHARD ROAD	687.91



BM 16-A17

N=1863971.79, E=972684.73

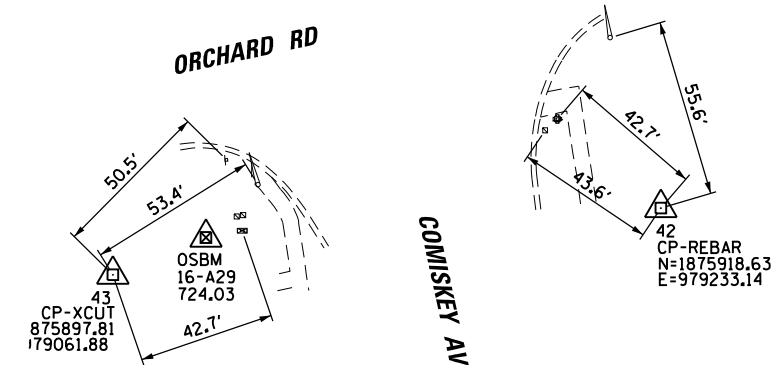
ELEVATION BENCHMARKS DATUM:NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 16-A18	NORTHWEST TAG BOLT OF FIRE HYDRANT AT THE NORTHWEST CORNER OF ORCHARD ROAD & SULLIVAN ROAD	690.65



BM 16-A18

N=1865086.18, E=972665.77

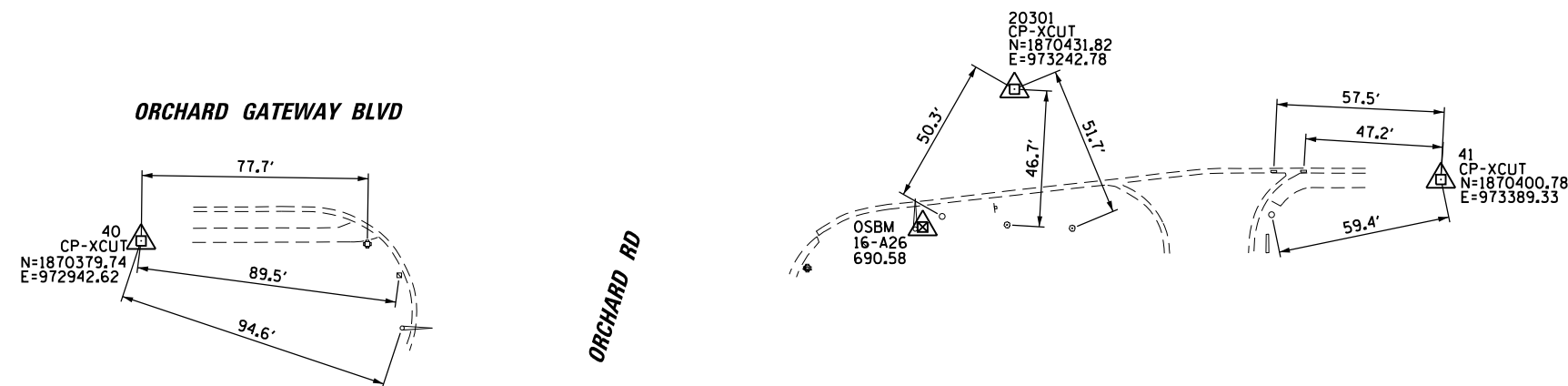
ELEVATION BENCHMARKS DATUM:NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 16-A29	SQUARE CUT SET ON SOUTHWEST CORNER OF CONCRETE FOUNDATION OF KANE COUNTY DIVISION OF TRANSPORTATION LIGHTING CONTROLLER PANEL BOX LOCATED AT THE SOUTHWEST CORNER OF COMISKEY AVENUE & ORCHARD ROAD	724.03



BM 16-A29

N=1875909.46, E=979090.95

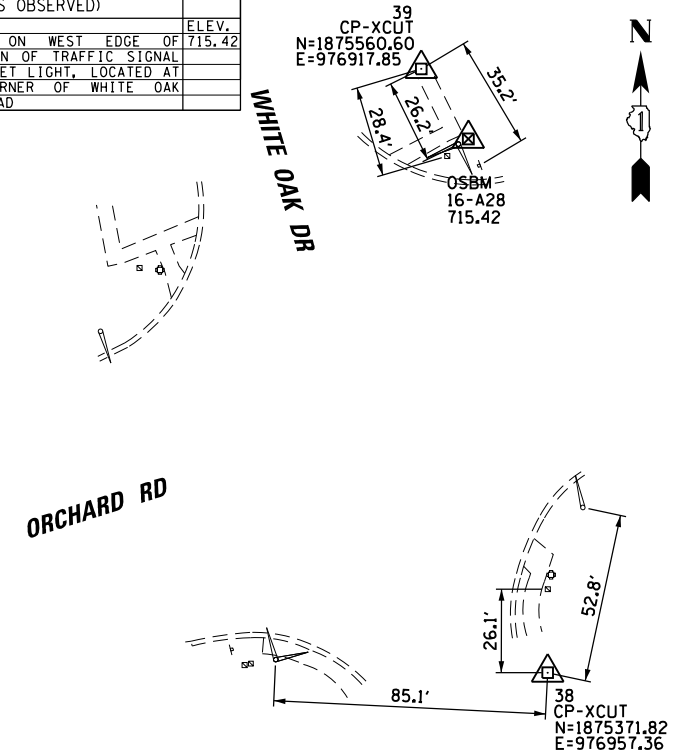
ELEVATION BENCHMARKS DATUM:NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 16-A26	SQUARE CUT SET ON CONC. BASE OF TRAFFIC SIGNAL MAST ARM WITH STREET LIGHT LOCATED AT THE SOUTHEAST CORNER OF ORCHARD ROAD & ORCHARD GATEWAY BLVD	690.58



BM 16-A26

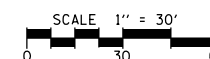
N=1870384.48, E=973211.24

ELEVATION BENCHMARKS DATUM:NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 16-A28	SQUARE CUT SET ON WEST EDGE OF CONCRETE FOUNDATION OF TRAFFIC SIGNAL MAST ARM WITH STREET LIGHT, LOCATED AT THE NORTHEAST CORNER OF WHITE OAK DRIVE & ORCHARD ROAD	715.42



BM 16-A28

N=1875538.73, E=976932.57



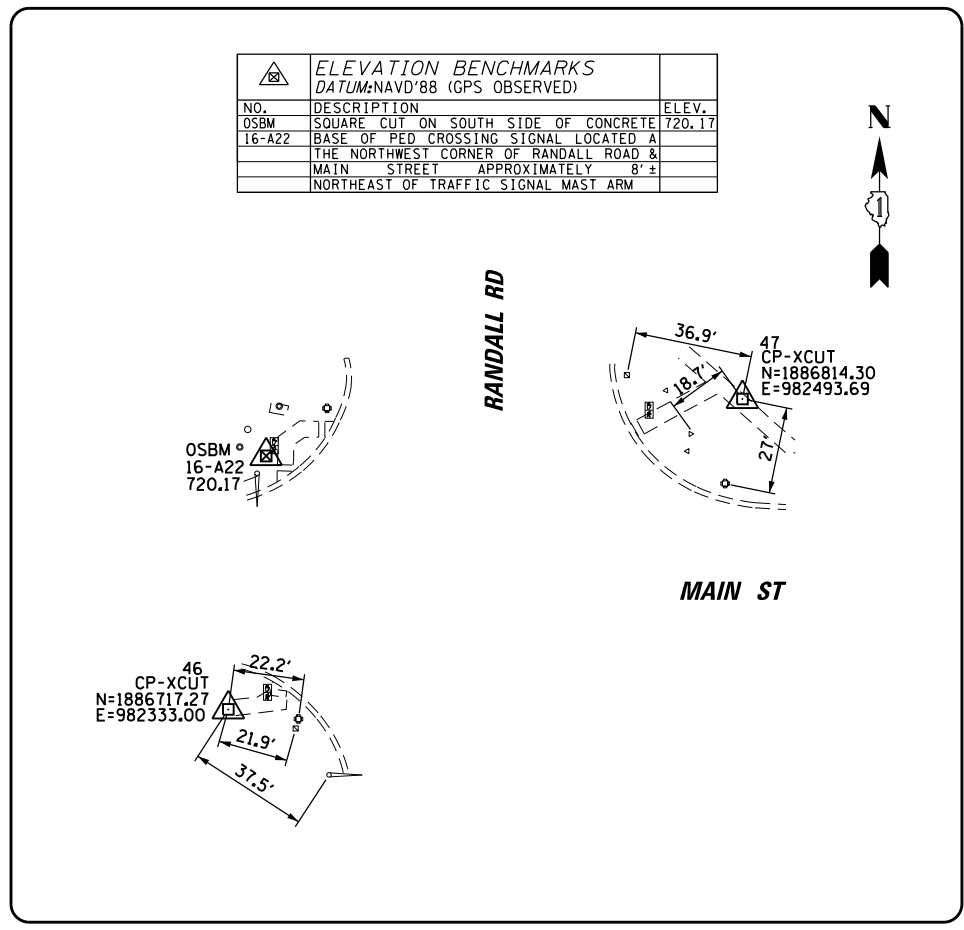
FILE NAME = \\CBBELSRV1\cbbel\df\t\Kane County\120523\Civil\BNH\120523-02.sht	USER NAME = fbariso	DESIGNED - JEH	REVISED -
PLOT SCALE = 60'	PLOT DATE = 11/16/2018	DRAWN - JEH	REVISED -
		CHECKED - BG	REVISED -
		DATE - 12/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

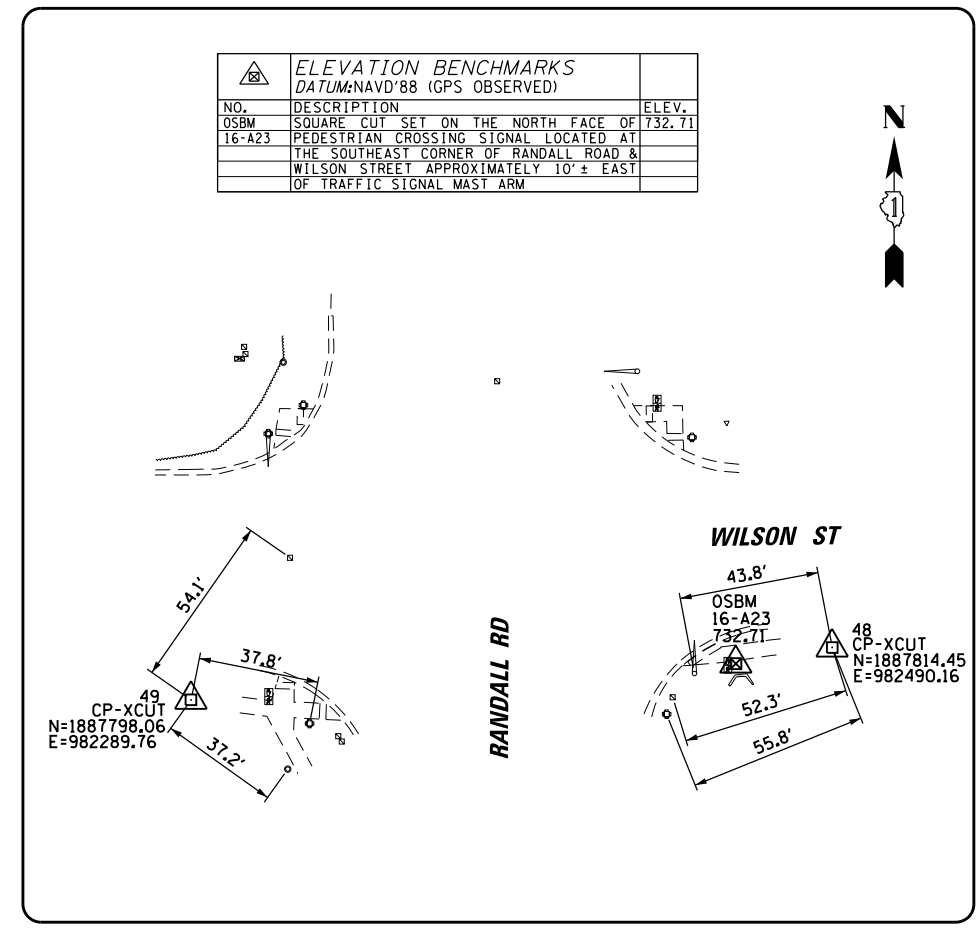
PEDESTRIAN ACCESS ROUTE
ORCHARD ROAD
TIES AND BENCHMARKS

SCALE: 60' SHEET NO. 8 OF 171 SHEETS STA. TO STA.

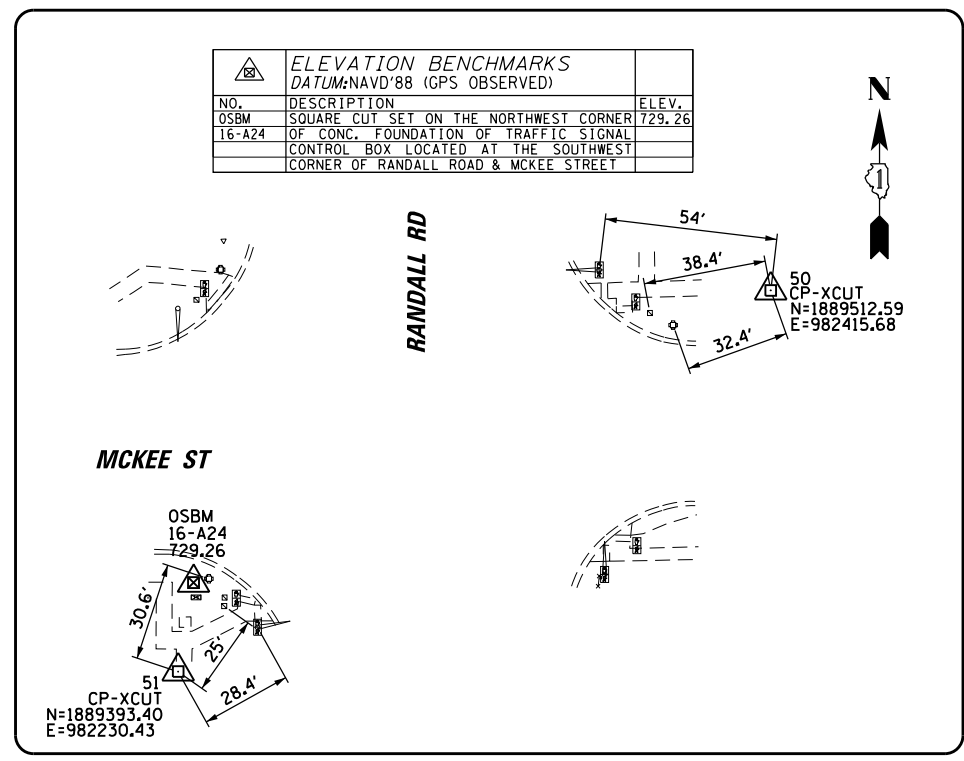
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	8
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



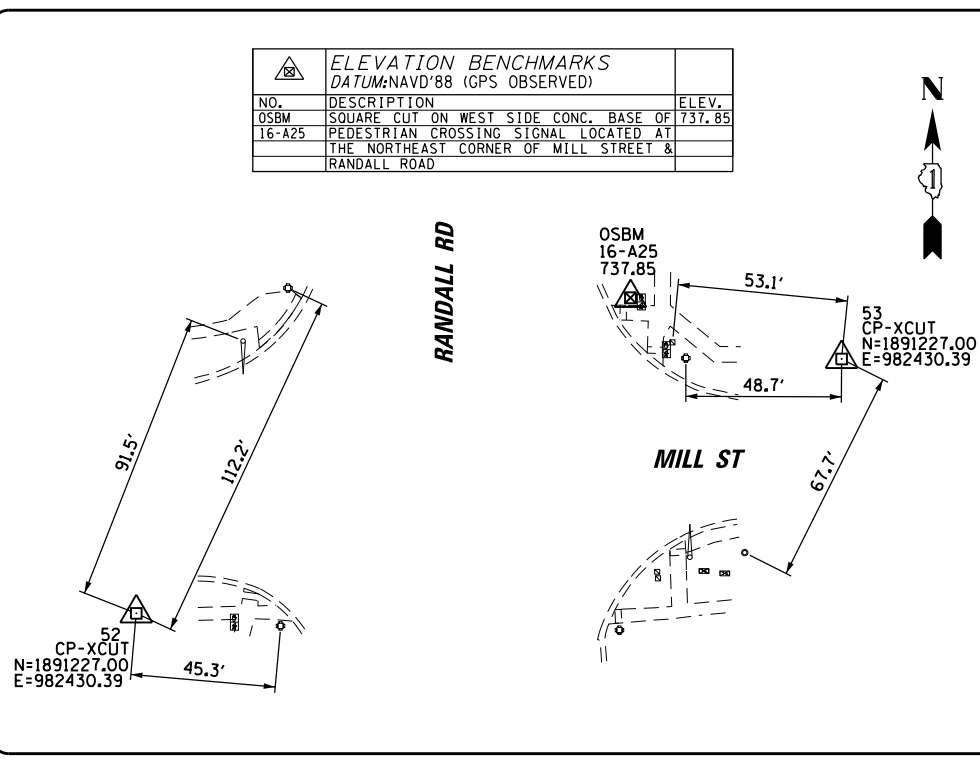
BM 16-A22
N=1886796.50, E=982344.82



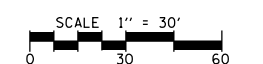
BM 16-A23
N=1887809.41, E=982460.05



BM 16-A24
N=1889421.26, E=982235.27



BM 16-A25
N=1891246.14, E=982364.41

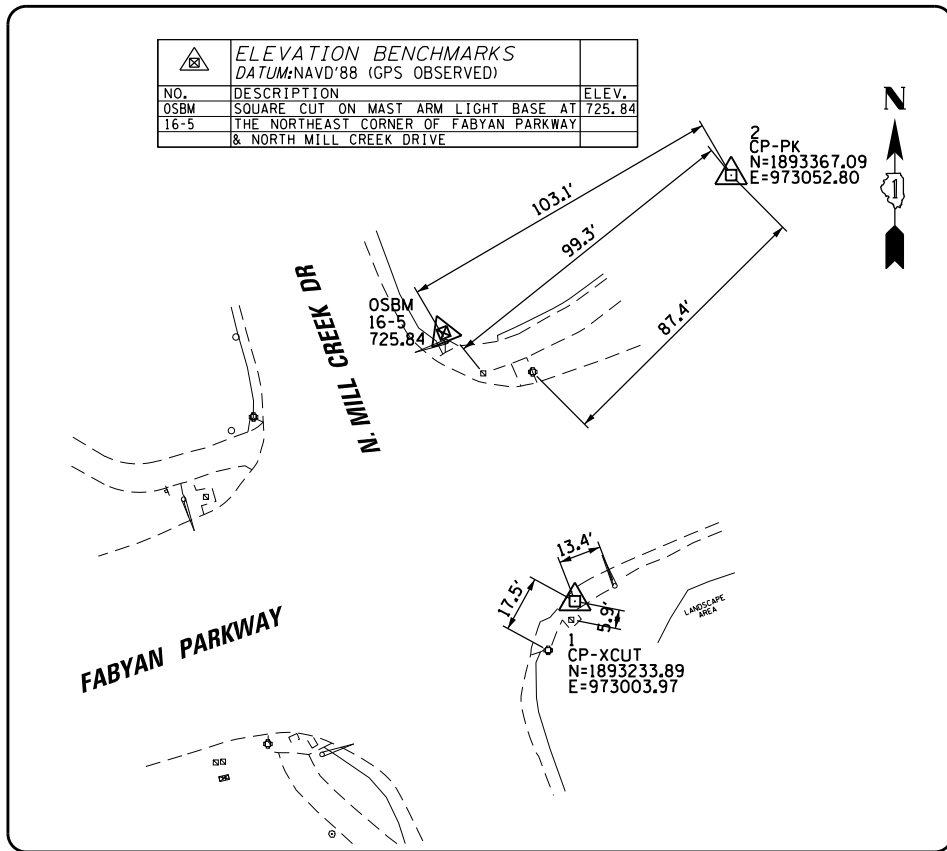


FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBELSRV1\cbbeldf\t\Kane County\120523\Civi1\BNH\120523-03.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 60'	CHECKED - BG	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

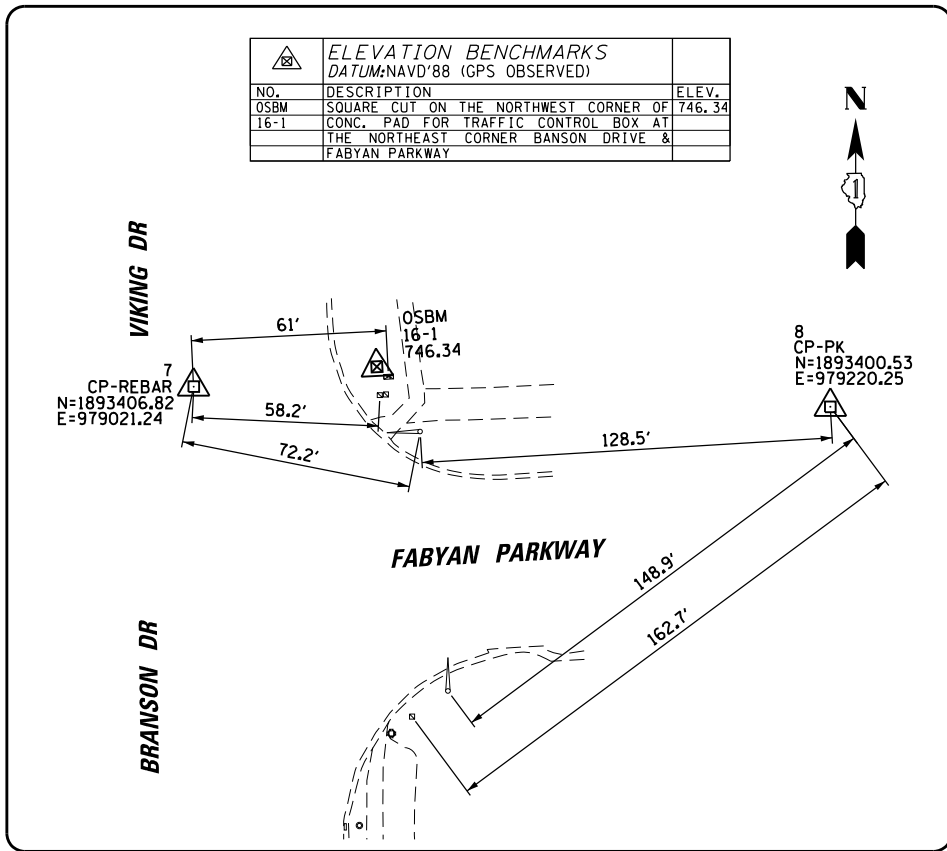
PEDESTRIAN ACCESS ROUTE RANDALL ROAD TIES AND BENCHMARKS			
SCALE: 60'	SHEET NO. 9 OF 171 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	9
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



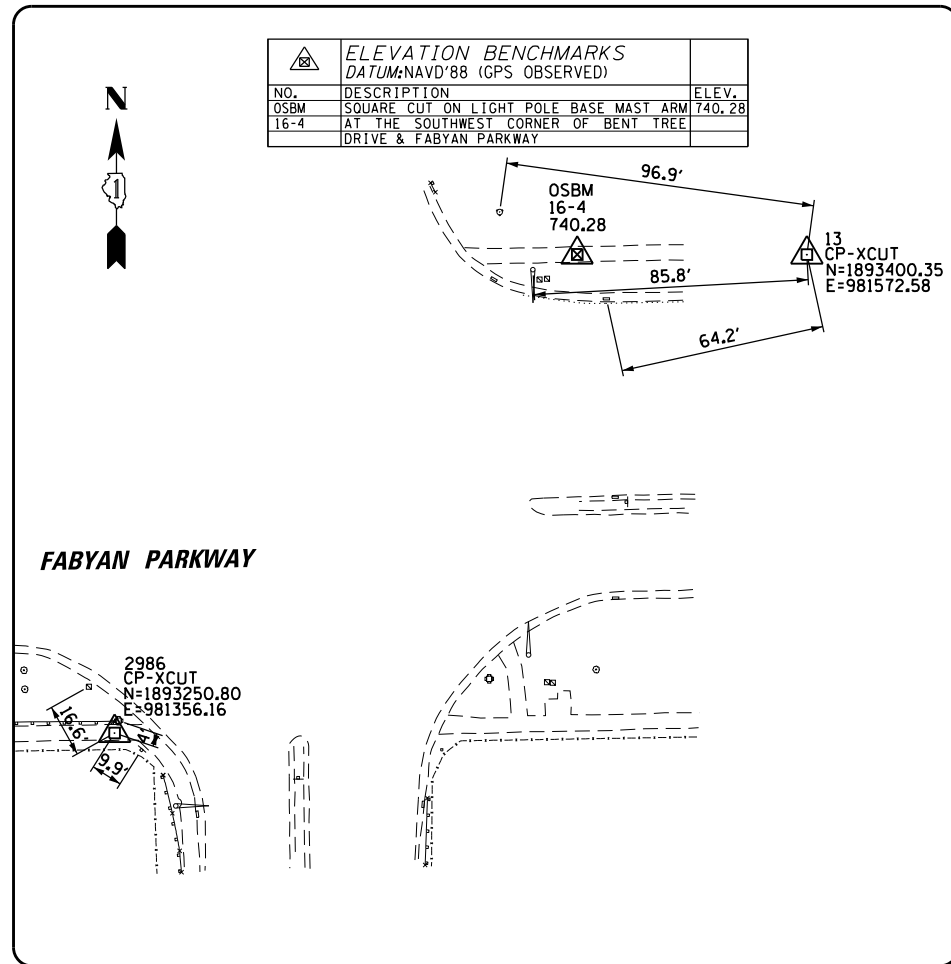
BM 16-5

N=1893317.80, E=972962.90



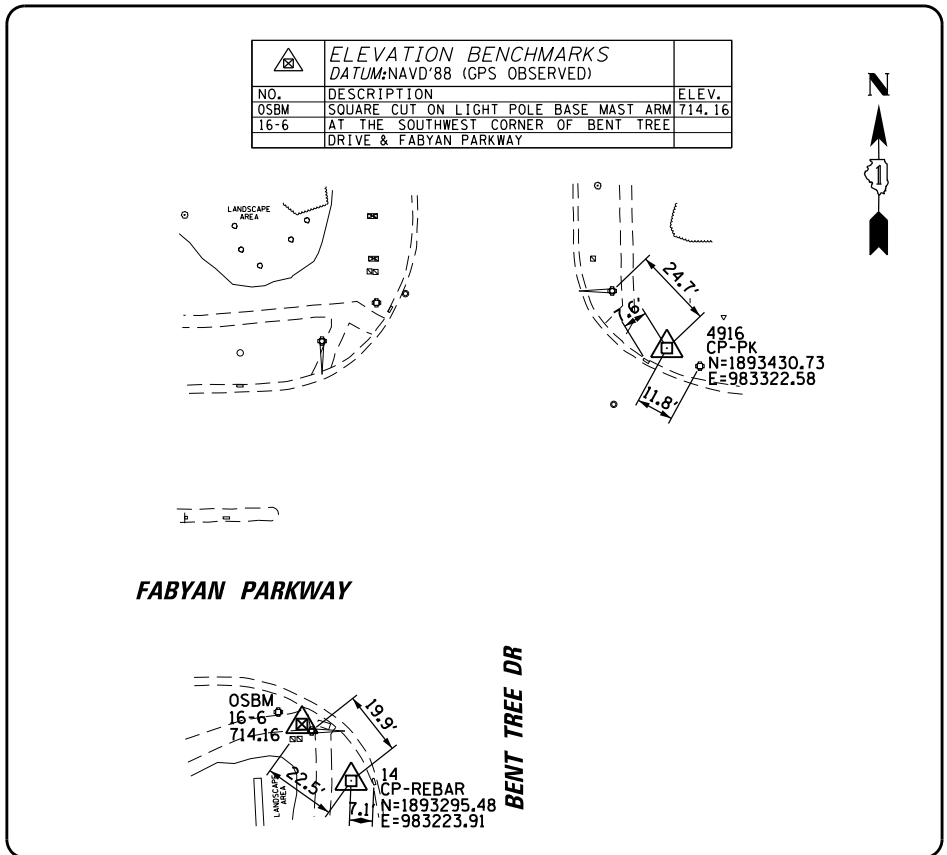
BM 16-1

N=1893413.02, E=979078.51



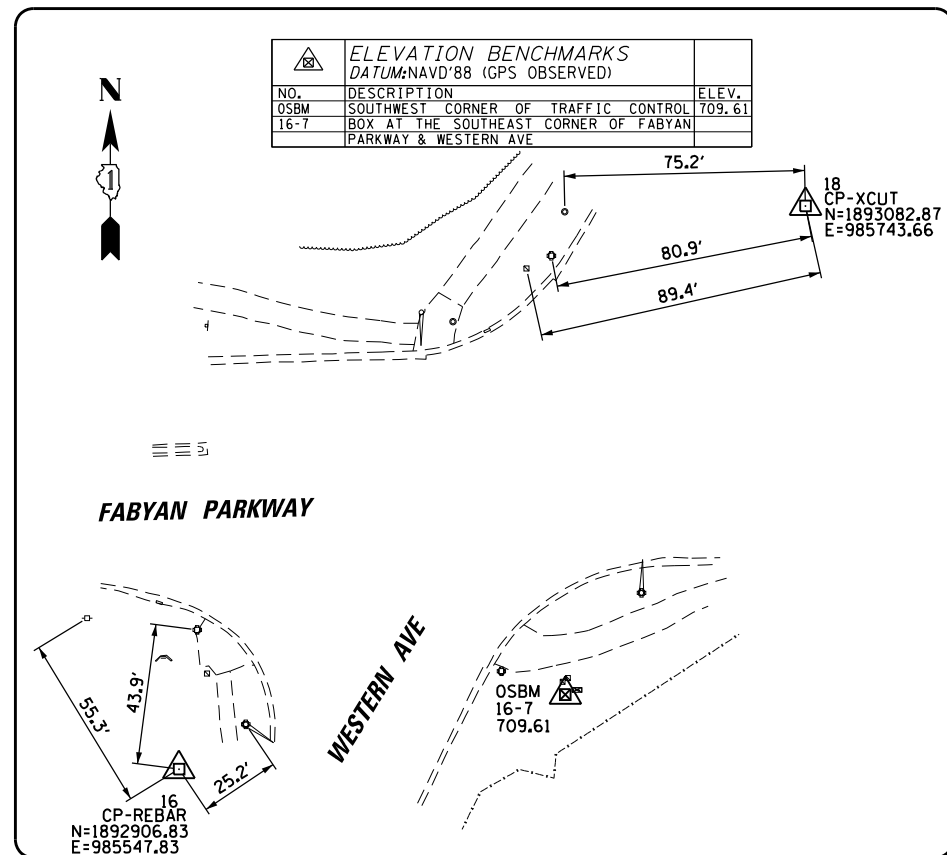
BM 16-4

N=1893400.39, E=981500.80



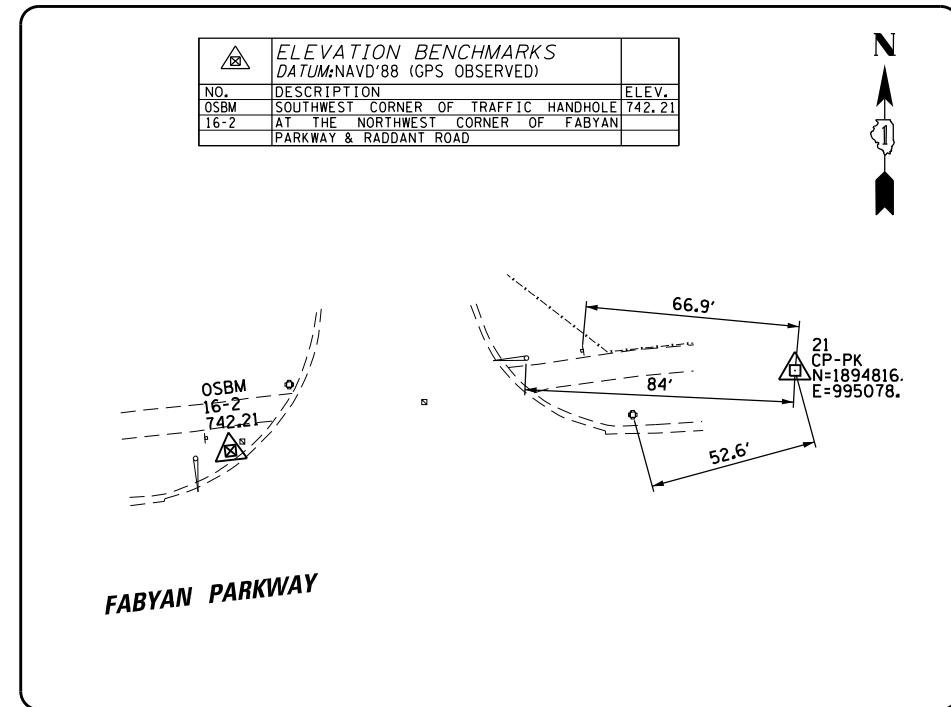
BM 16-6

N=1892930.10, E=985668.59



BM 16-7

N=1892930.10, E=985668.59



BM 16-2

N=1894791.00, E=994901.61

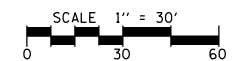
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBELSRVRI\cbbel\df\t\Kane County\120523\3\Civi1\BNH\120523-04.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 60'	CHECKED - BG	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PEDESTRIAN ACCESS ROUTE
FABYAN PARKWAY
TIES AND BENCHMARKS**

SCALE: 60' SHEET NO. 10 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	10
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				





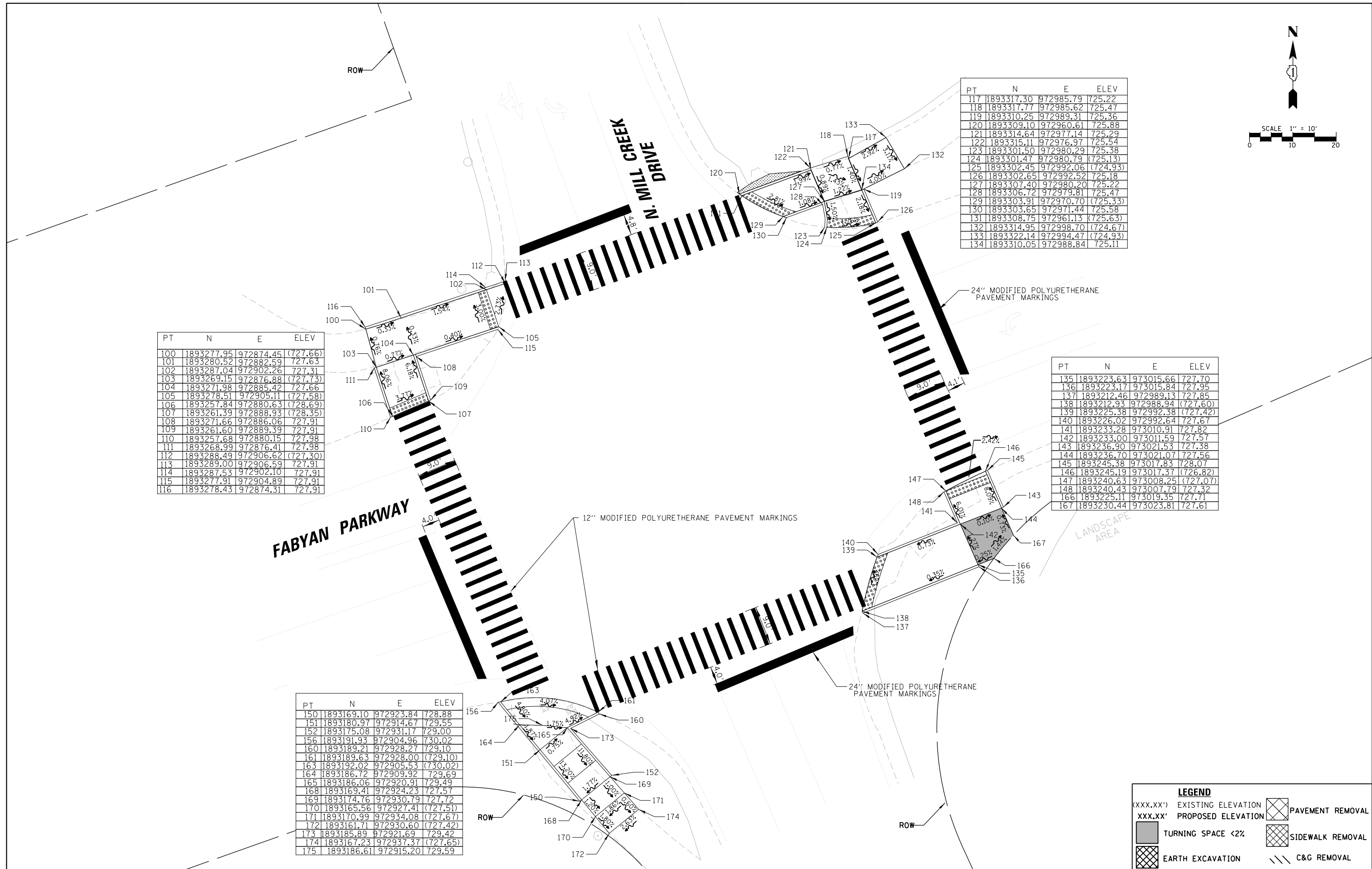
SCALE 1" = 10'

PT	N	E	ELEV
100	1893277.95	972874.45	(727.66)
101	1893280.52	972882.59	727.63
102	1893287.04	972902.26	727.31
103	1893269.15	972876.88	(727.73)
104	1893271.98	972885.42	727.66
105	1893278.51	972905.11	(727.58)
106	1893257.84	972880.63	(728.69)
107	1893261.39	972888.93	(728.35)
108	1893271.66	972886.06	727.91
109	1893261.60	972889.39	727.91
110	1893257.68	972880.15	727.98
111	1893268.99	972876.41	727.98
112	1893288.49	972906.62	(727.30)
113	1893289.00	972906.59	727.91
114	1893287.53	972902.10	727.91
115	1893277.91	972904.89	727.91
116	1893278.43	972874.31	727.91

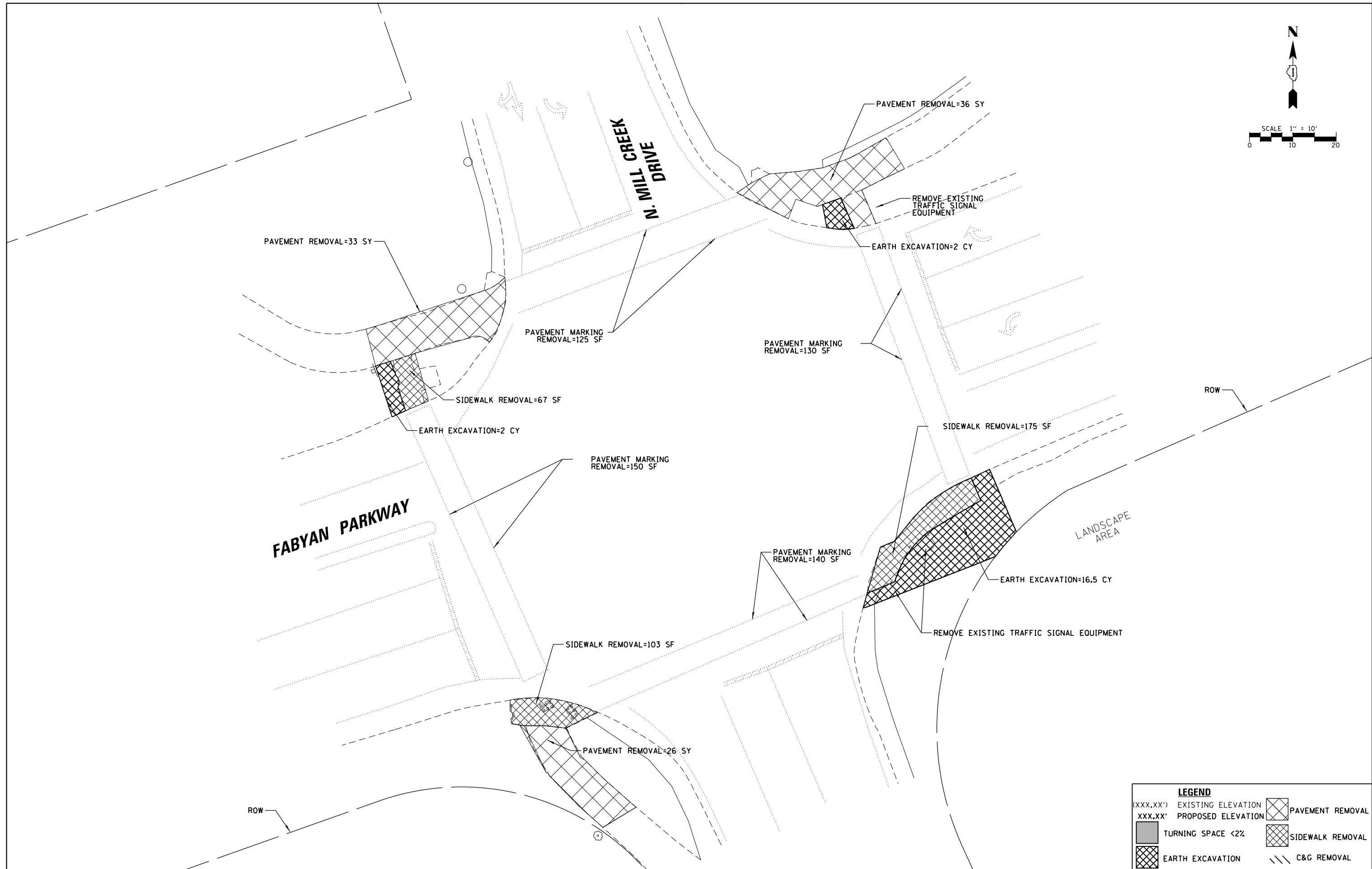
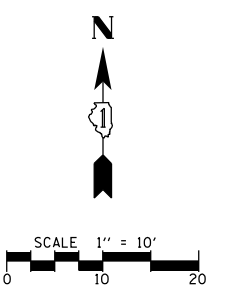
PT	N	E	ELEV
117	1893317.30	972985.79	725.22
118	1893317.77	972985.62	725.47
119	1893310.25	972989.31	725.36
120	1893309.10	972960.61	725.88
121	1893314.64	972977.14	725.29
122	1893315.11	972976.97	725.54
123	1893301.50	972980.29	725.38
124	1893301.47	972980.79	(725.13)
125	1893302.45	972992.06	(724.93)
126	1893302.65	972992.52	725.18
127	1893307.40	972980.20	725.22
128	1893306.72	972979.81	725.47
129	1893303.91	972970.70	(725.33)
130	1893303.65	972971.44	725.58
131	1893308.75	972961.13	(725.63)
132	1893314.95	972998.70	(724.67)
133	1893322.14	972994.47	(724.93)
134	1893310.05	972988.84	725.11

PT	N	E	ELEV
135	1893223.63	973015.66	727.70
136	1893223.17	973015.84	727.95
137	1893212.46	972989.13	727.85
138	1893212.93	972988.94	(727.60)
139	1893225.38	972992.38	(727.42)
140	1893226.02	972992.64	727.67
141	1893233.28	973010.91	727.82
142	1893233.00	973011.59	727.57
143	1893236.90	973021.53	727.38
144	1893236.70	973021.07	727.56
145	1893245.38	973017.83	728.07
146	1893245.19	973017.37	(726.82)
147	1893240.63	973008.25	(727.07)
148	1893240.43	973007.79	727.32
166	1893225.11	973019.35	727.71
167	1893230.44	973023.81	727.61

PT	N	E	ELEV
150	1893169.10	972923.84	728.88
151	1893180.97	972914.67	729.55
152	1893175.08	972931.17	729.00
156	1893191.93	972904.96	730.02
160	1893189.21	972928.27	729.10
161	1893189.63	972928.00	(729.10)
163	1893192.02	972905.53	(730.02)
164	1893186.72	972909.92	729.69
165	1893186.06	972920.91	729.49
168	1893169.41	972924.23	727.57
169	1893174.76	972930.79	727.72
170	1893165.56	972927.41	(727.51)
171	1893170.99	972934.08	(727.67)
172	1893161.71	972930.60	(727.42)
173	1893185.89	972921.69	729.42
174	1893167.23	972937.37	(727.65)
175	1893186.61	972915.20	729.59



LEGEND			
(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		EARTH EXCAVATION
	C&G REMOVAL		



LEGEND	
(XXX.XX')	EXISTING ELEVATION
XXX.XX'	PROPOSED ELEVATION
[Cross-hatch pattern]	PAVEMENT REMOVAL
[Diagonal lines pattern]	SIDEWALK REMOVAL
[Stippled pattern]	EARTH EXCAVATION
[Dashed lines pattern]	C&G REMOVAL
[Solid grey pattern]	TURNING SPACE <2%

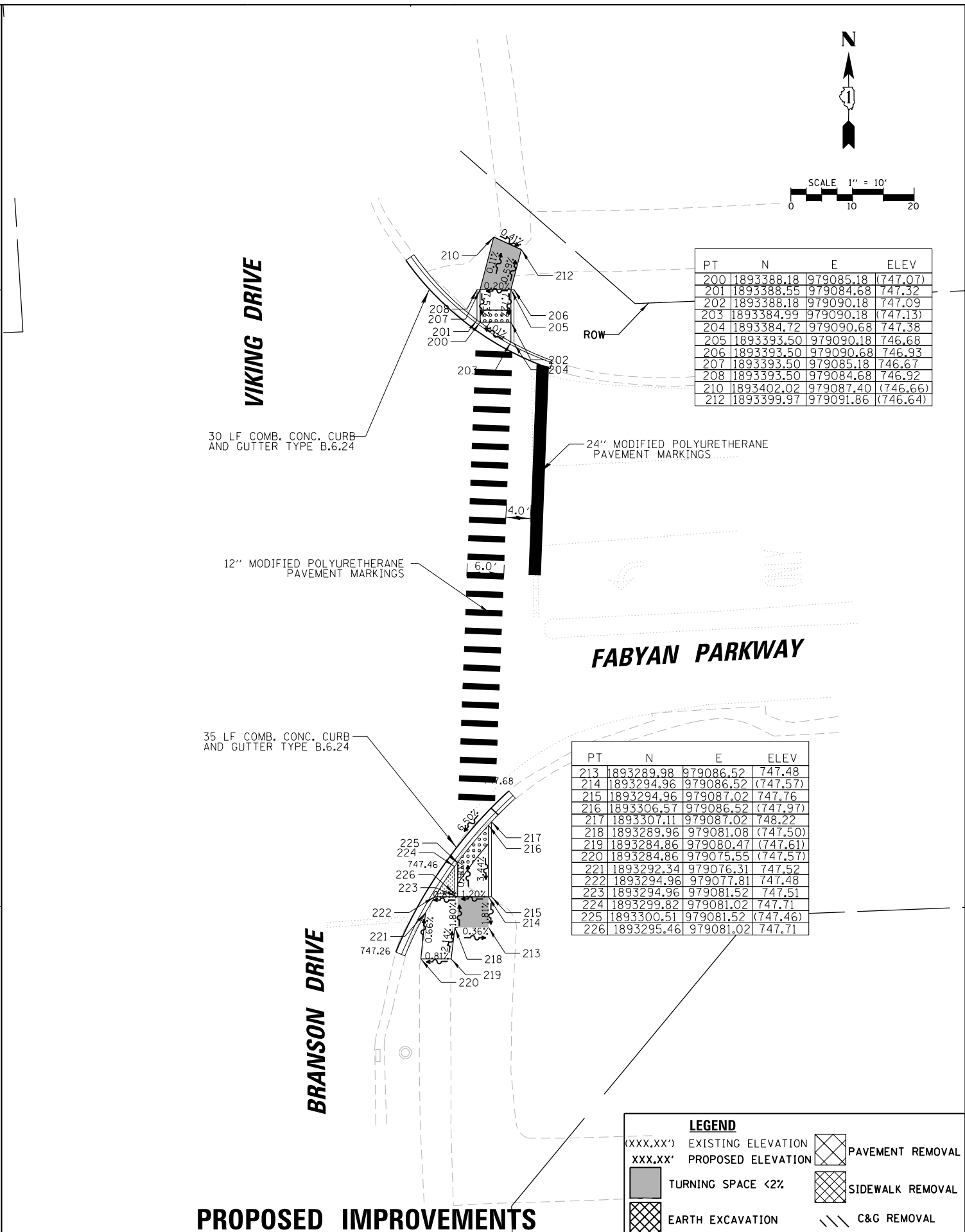
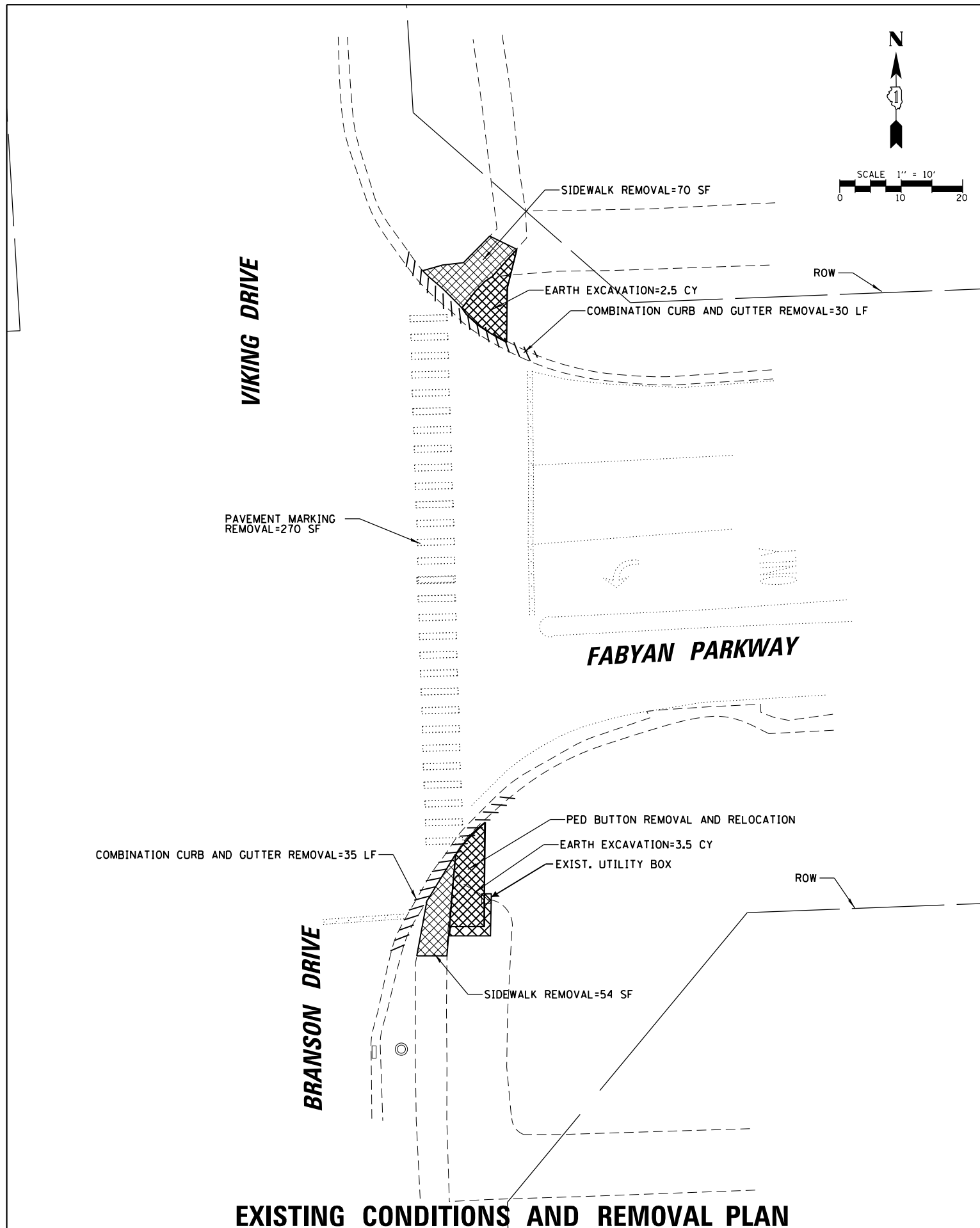
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbel\df\t\Kane County\120523\Civil\REM\120523-16.sht		DRAWN - JEH	REVISED -
PLOT SCALE = 20'		CHECKED - LMF	REVISED -
PLOT DATE = 11/16/2018		DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PEDESTRIAN ACCESS ROUTE REMOVAL PLAN
FABYAN PARKWAY AND N. MILL CREEK DRIVE**

SCALE: 20' SHEET NO. 12 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	12
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



PT	N	E	ELEV
200	1893388.18	979085.18	(747.07)
201	1893388.55	979084.68	747.32
202	1893388.18	979090.18	747.09
203	1893384.99	979090.18	(747.13)
204	1893384.72	979090.68	747.38
205	1893393.50	979090.18	746.68
206	1893393.50	979090.68	746.93
207	1893393.50	979085.18	746.67
208	1893393.50	979084.68	746.92
210	1893402.02	979087.40	(746.66)
212	1893399.97	979091.86	(746.64)

PT	N	E	ELEV
213	1893289.98	979086.52	747.48
214	1893294.96	979086.52	(747.57)
215	1893294.96	979087.02	747.76
216	1893306.57	979086.52	(747.97)
217	1893307.11	979087.02	748.22
218	1893289.96	979081.08	(747.50)
219	1893284.86	979080.47	(747.61)
220	1893284.86	979075.55	(747.57)
221	1893292.34	979076.31	747.52
222	1893294.96	979077.81	747.48
223	1893294.96	979081.52	747.51
224	1893299.82	979081.02	747.71
225	1893300.51	979081.52	(747.46)
226	1893295.46	979081.02	747.71

LEGEND			
(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		

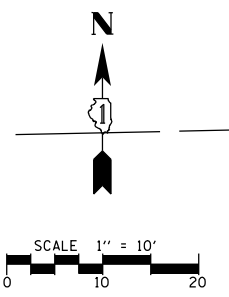
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbel\df\t\Kane County\120523\PROJ\120523-17.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

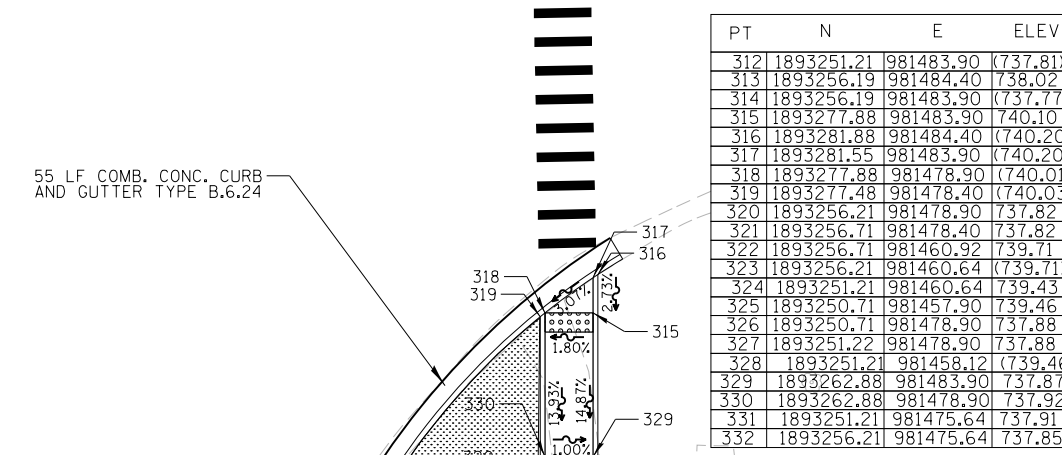
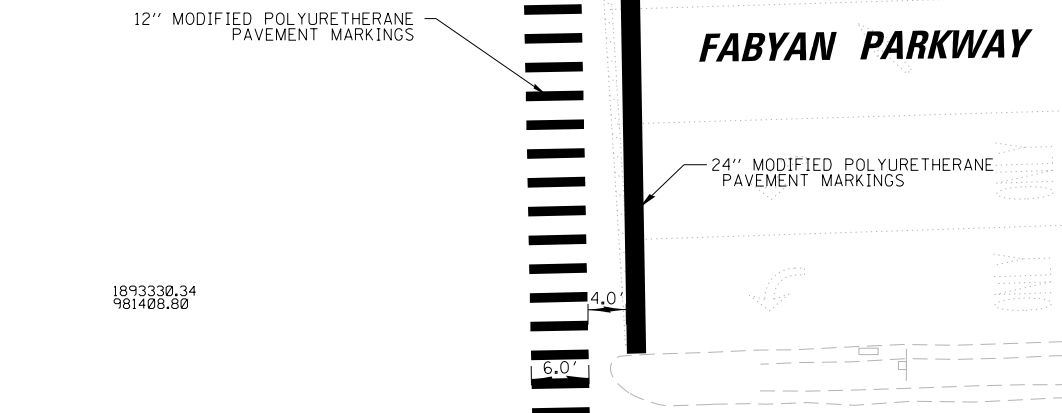
PEDESTRIAN ACCESS ROUTE REMOVAL/IMPROVEMENT PLAN
FABYAN PARKWAY AND BRANSON DRIVE

SCALE: 20' SHEET NO. 13 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	13
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



PT	N	E	ELEV
300	1893393.73	981476.53	(739.90)
301	1893394.00	981476.03	739.90
302	1893397.91	981476.54	739.70
303	1893397.91	981476.03	739.95
304	1893402.92	981476.54	739.63
305	1893391.60	981481.52	(739.94)
306	1893397.91	981482.03	739.88
307	1893397.91	981481.53	739.63
308	1893402.92	981481.53	739.56
309	1893402.94	981496.53	737.86
310	1893398.10	981496.53	737.95
311	1893391.60	981481.52	739.90
312	1893402.94	981501.55	737.79
313	1893398.04	981501.62	737.88
314	1893402.96	981506.55	(737.65)
315	1893398.23	981501.62	(737.81)



PT	N	E	ELEV
330	1893251.21	981483.90	(741.25)
331	1893254.01	981365.09	741.25
332	1893253.46	981357.16	741.20
333	1893253.96	981357.16	741.45
334	1893248.46	981357.15	741.13
335	1893247.96	981357.15	741.40
336	1893248.52	981365.70	741.16
337	1893248.05	981371.10	740.73
338	1893248.55	981370.63	(740.90)
339	1893253.43	981352.16	(741.19)
340	1893248.43	981352.15	(741.08)
341	1893248.50	981347.15	(741.04)
342	1893253.29	981347.16	(741.08)

PT	N	E	ELEV
312	1893251.21	981483.90	(737.81)
313	1893256.19	981484.40	(738.02)
314	1893256.19	981483.90	(737.77)
315	1893277.88	981483.90	(740.10)
316	1893281.88	981484.40	(740.20)
317	1893281.55	981483.90	(740.20)
318	1893277.88	981478.90	(740.01)
319	1893277.48	981478.40	(740.03)
320	1893256.21	981478.90	737.82
321	1893256.71	981478.40	737.82
322	1893256.71	981460.92	739.71
323	1893256.21	981460.64	(739.71)
324	1893251.21	981460.64	739.43
325	1893250.71	981457.90	739.46
326	1893250.71	981478.90	737.88
327	1893251.22	981478.90	737.88
328	1893251.21	981458.12	(739.46)
329	1893262.88	981483.90	737.87
330	1893262.88	981478.90	737.92
331	1893251.21	981475.64	737.91
332	1893256.21	981475.64	737.85

LEGEND			
(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		

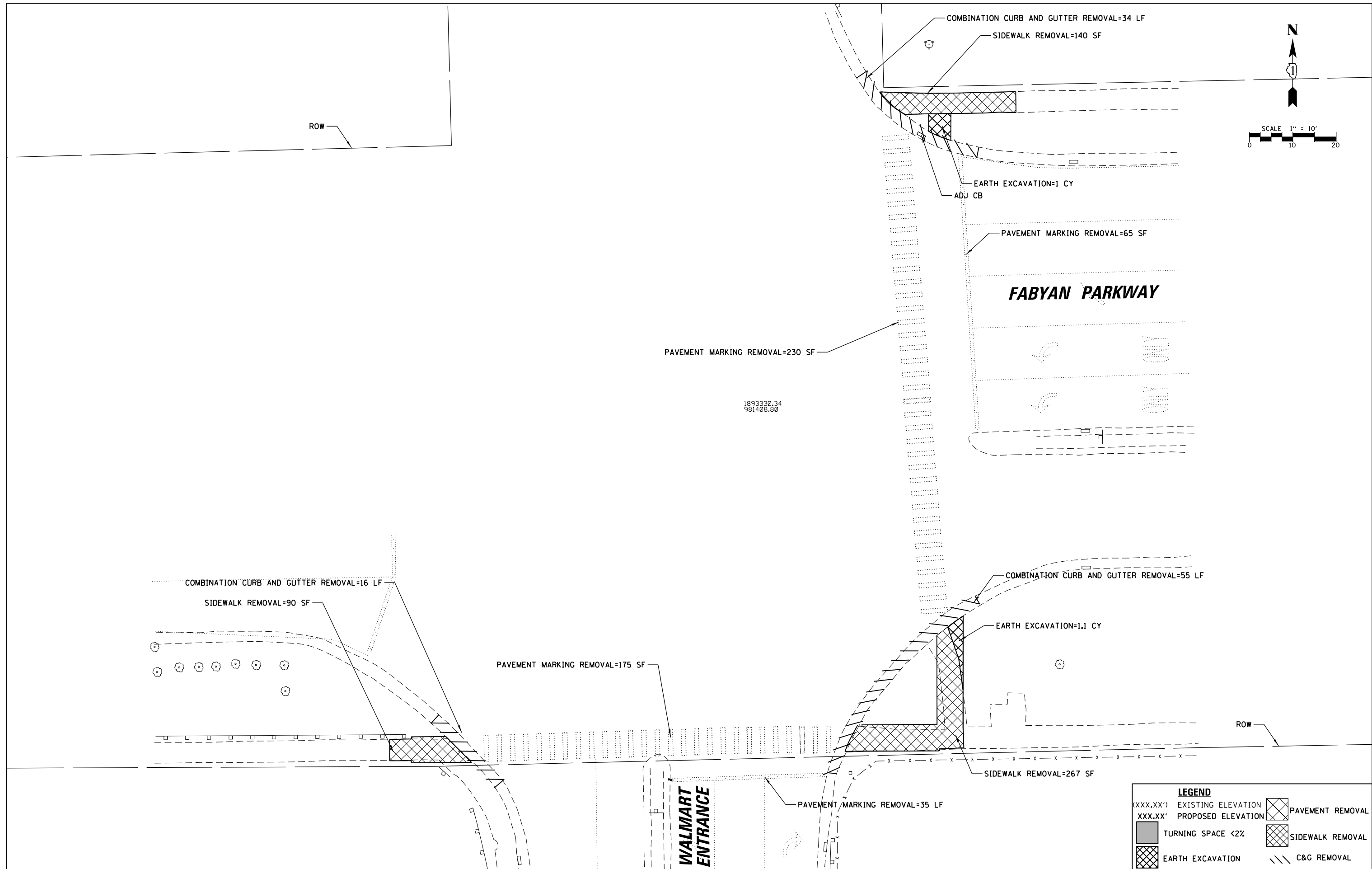
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbeldf\Kane County\120523\PROJ\120523-18.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN ACCESS ROUTE IMPROVEMENT PLAN
FABYAN PARKWAY AND WALMART ENTRANCE

SCALE: 20' SHEET NO. 14 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	14
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		

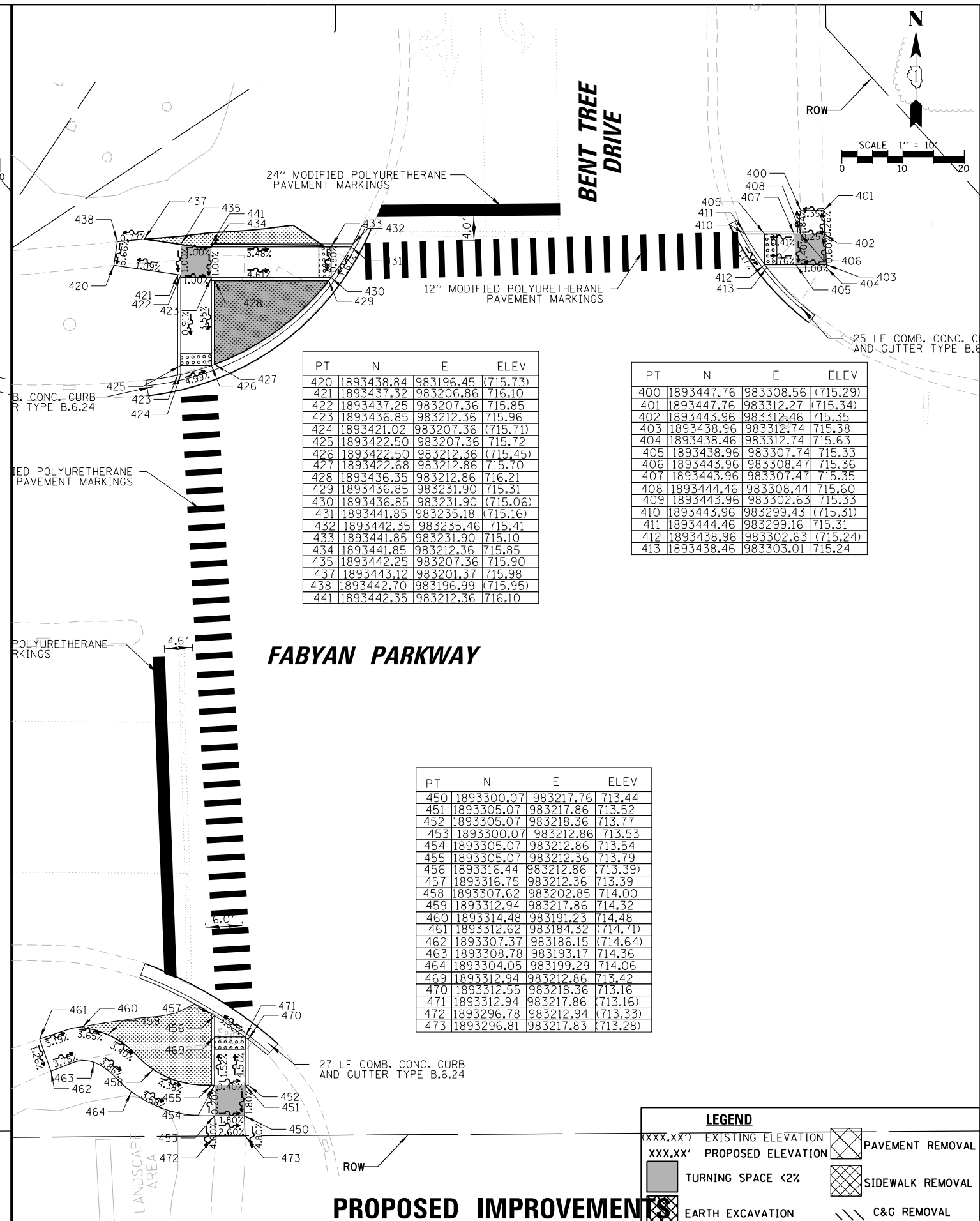
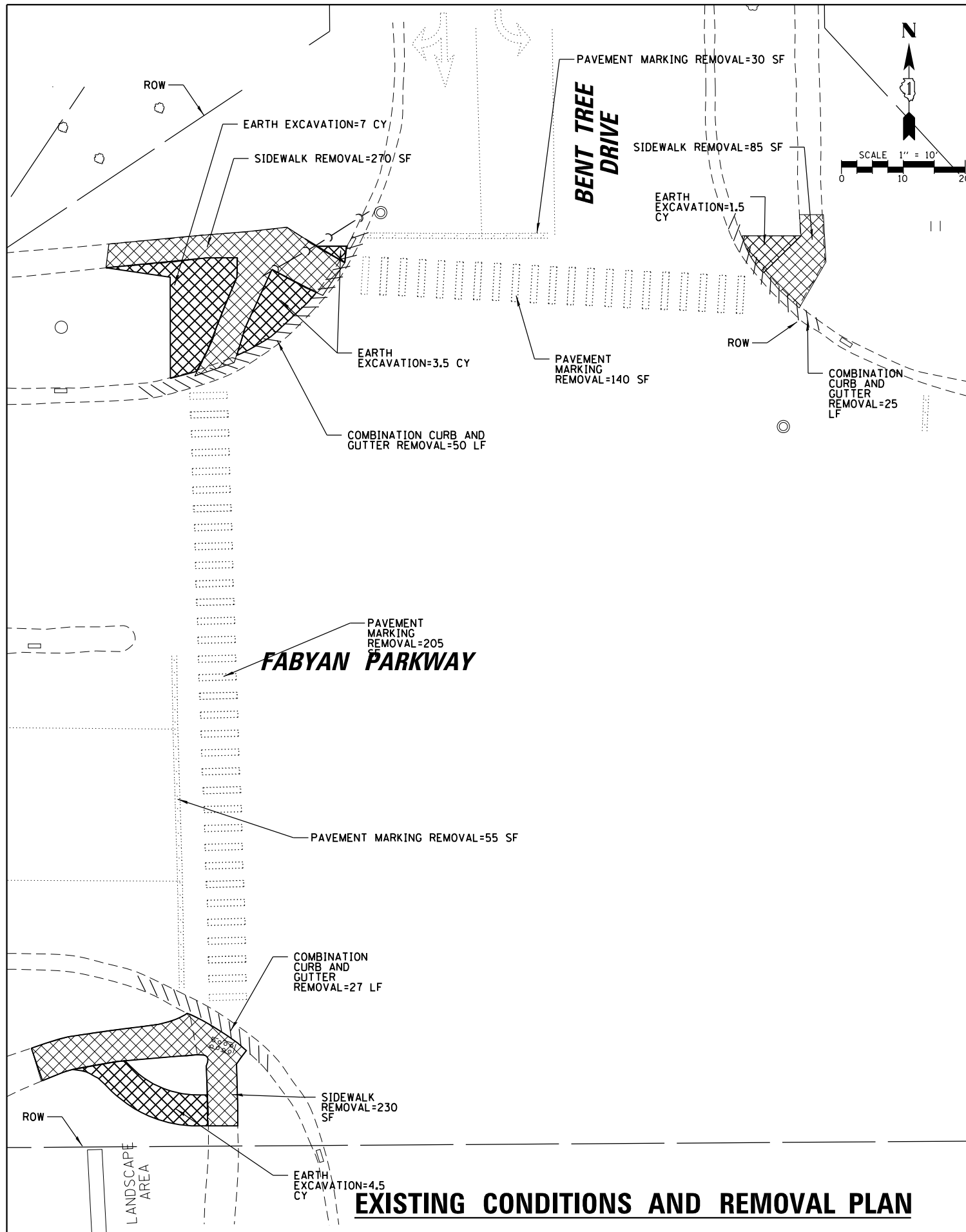
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbeldf\Kane County\120523\Civil\REM\120523-18.sht	3\Civil\REM\120523-18.sht	DRAWN - JEH	REVISED -
PLOT SCALE = 28'		CHECKED - LMF	REVISED -
PLOT DATE = 11/16/2018		DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PEDESTRIAN ACCESS ROUTE REMOVAL PLAN
FABYAN PARKWAY AND GANDER MOUNTAIN ENTRANCE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	15
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: 28' SHEET NO. 15 OF 171 SHEETS STA. TO STA.



PT	N	E	ELEV
420	1893438.84	983196.45	(715.73)
421	1893437.32	983206.86	716.10
422	1893437.25	983207.36	715.85
423	1893436.85	983212.36	715.96
424	1893421.02	983207.36	(715.71)
425	1893422.50	983207.36	715.72
426	1893422.50	983212.36	(715.45)
427	1893422.68	983212.86	715.70
428	1893436.35	983212.86	716.21
429	1893436.85	983231.90	715.31
430	1893436.85	983231.90	(715.06)
431	1893441.85	983235.18	(715.16)
432	1893442.35	983235.46	715.41
433	1893441.85	983231.90	715.10
434	1893441.85	983212.36	715.85
435	1893442.25	983207.36	715.90
437	1893443.12	983201.37	715.98
438	1893442.70	983196.99	(715.95)
441	1893442.35	983212.36	716.10

PT	N	E	ELEV
400	1893447.76	983308.56	(715.29)
401	1893447.76	983312.27	(715.34)
402	1893443.96	983312.46	715.35
403	1893438.96	983312.74	715.38
404	1893438.46	983312.74	715.63
405	1893438.96	983307.74	715.33
406	1893443.96	983308.47	715.36
407	1893443.96	983307.47	715.35
408	1893444.46	983308.44	715.60
409	1893443.96	983302.63	715.33
410	1893443.96	983299.43	(715.31)
411	1893444.46	983299.16	715.31
412	1893438.96	983302.63	(715.24)
413	1893438.46	983303.01	715.24

PT	N	E	ELEV
450	1893300.07	983217.76	713.44
451	1893305.07	983217.86	713.52
452	1893305.07	983218.36	713.77
453	1893300.07	983212.86	713.53
454	1893305.07	983212.86	713.54
455	1893305.07	983212.36	713.79
456	1893316.44	983212.86	(713.39)
457	1893316.75	983212.36	713.39
458	1893307.62	983202.85	714.00
459	1893312.94	983217.86	714.32
460	1893314.48	983191.23	714.48
461	1893312.62	983184.32	(714.71)
462	1893307.37	983186.15	(714.64)
463	1893308.78	983193.17	714.36
464	1893304.05	983199.29	714.06
469	1893312.94	983212.86	713.42
470	1893312.55	983218.36	713.16
471	1893312.94	983217.86	(713.16)
472	1893296.78	983212.94	(713.33)
473	1893296.81	983217.83	(713.28)

EXISTING CONDITIONS AND REMOVAL PLAN

PROPOSED IMPROVEMENTS

LEGEND

(XXX.XX') EXISTING ELEVATION
 XXX.XX' PROPOSED ELEVATION
 TURNING SPACE <2%
 EARTH EXCAVATION

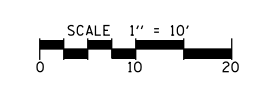
PAVEMENT REMOVAL
 SIDEWALK REMOVAL
 C&G REMOVAL

FILE NAME = \\CBBELSRV1\cbbel\df\t\Kane County\120523\Civil\PROJ\120523-19.sht	USER NAME = fbariso	DESIGNED - JEH	REVISED -
PLOT SCALE = 20'	PLOT DATE = 11/16/2018	DRAWN - JEH	REVISED -
		CHECKED - LMF	REVISED -
		DATE - 12/14/16	REVISED -

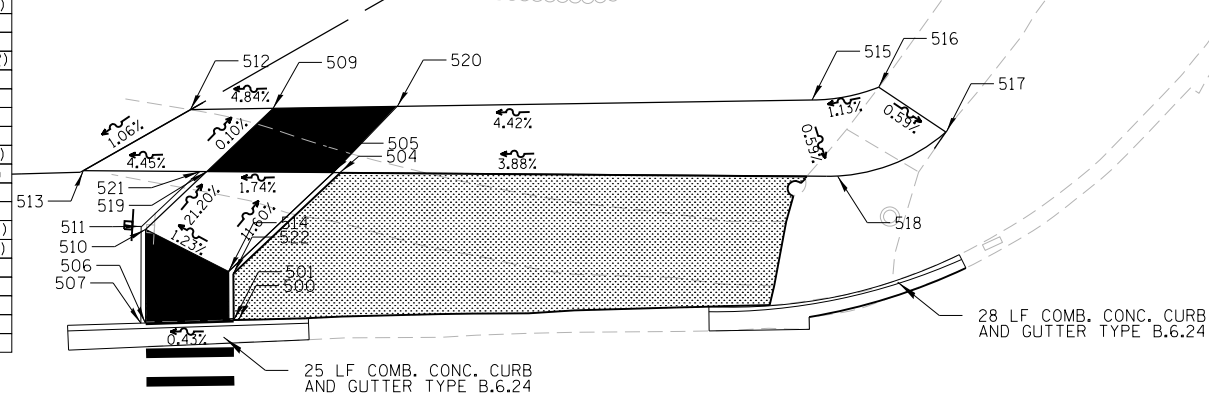
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN ACCESS ROUTE REMOVAL /IMPROVEMENT PLAN
FABYAN PARKWAY AND BENT TREE DRIVE
 SCALE: 20' SHEET NO. 16 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	16
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



PT	N	E	ELEV
500	1893035.93	985565.58	709.86
501	1893035.92	985565.08	(709.86)
504	1893048.69	985565.57	708.52
505	1893051.31	985575.47	708.02
506	1893035.65	985555.92	(709.82)
507	1893035.63	985555.42	709.82
509	1893058.02	985569.21	707.78
510	1893045.41	985555.92	709.64
511	1893050.71	985555.45	710.14
512	1893057.87	985560.60	(707.36)
513	1893051.51	985549.45	(707.22)
514	1893041.00	985564.57	709.76
515	1893058.88	985625.36	709.90
516	1893060.22	985632.32	(709.98)
517	1893055.50	985639.32	(709.93)
518	1893050.95	985628.00	709.85
519	1893051.41	985562.26	707.79
520	1893058.26	985582.18	707.99
521	1893051.42	985561.54	708.29
522	1893040.79	985565.08	710.26

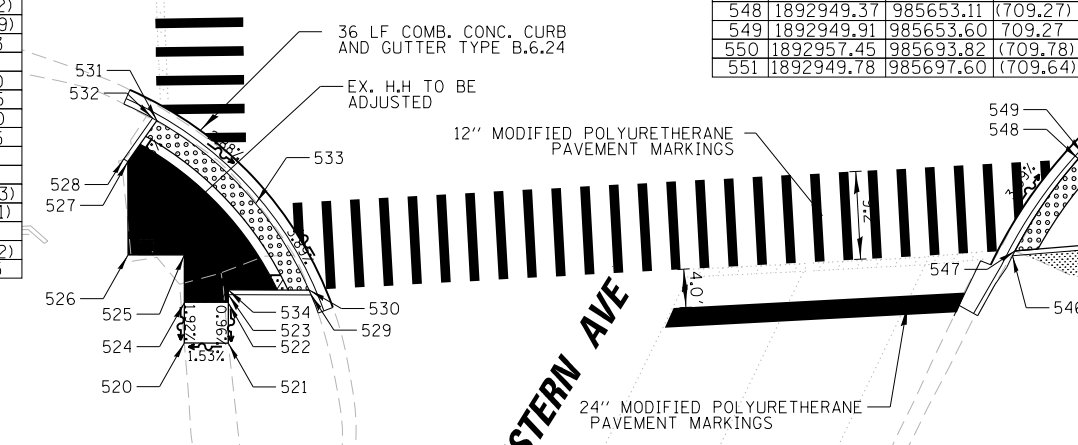


ROW

PCC MEDIAN
12" MODIFIED POLYURETHERANE PAVEMENT MARKINGS

FABYAN PARKWAY

PT	N	E	ELEV
520	1892930.21	985559.96	(709.62)
521	1892930.19	985564.53	(709.69)
522	1892934.37	985564.53	709.73
523	1892935.23	985564.53	709.74
524	1892934.37	985559.96	709.70
525	1892939.37	985559.96	709.65
526	1892934.37	985554.09	709.60
527	1892949.09	985554.07	709.75
528	1892949.38	985553.66	710.00
529	1892935.20	985573.17	709.83
530	1892935.70	985572.95	(709.83)
531	1892953.38	985557.08	(709.81)
532	1892953.62	985556.64	709.81
533	1892945.14	985567.86	(709.42)
534	1892935.73	985564.53	709.75



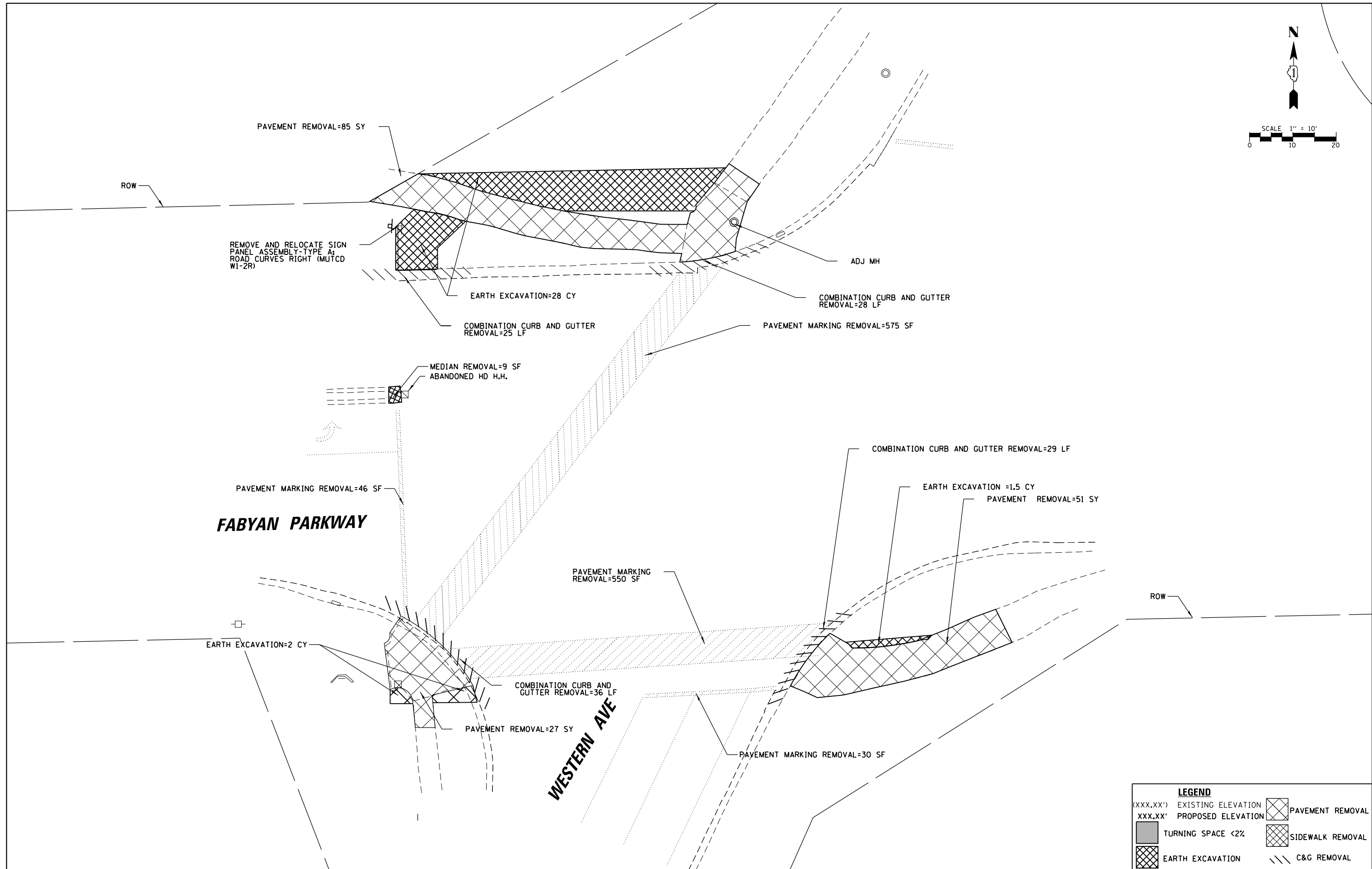
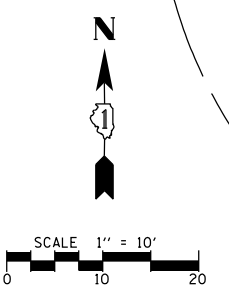
PT	N	E	ELEV
540	1892951.49	985679.10	709.68
541	1892942.47	985679.24	709.58
542	1892951.08	985674.11	709.62
543	1892951.58	985674.11	709.87
544	1892942.06	985674.25	709.65
545	1892941.56	985674.25	709.90
546	1892939.28	985646.24	709.63
547	1892939.80	985646.51	(709.63)
548	1892949.37	985653.11	(709.27)
549	1892949.91	985653.60	709.27
550	1892957.45	985693.82	(709.78)
551	1892949.78	985697.60	(709.64)

LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		

ROW

WESTERN AVE



FABYAN PARKWAY

WESTERN AVE

LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		

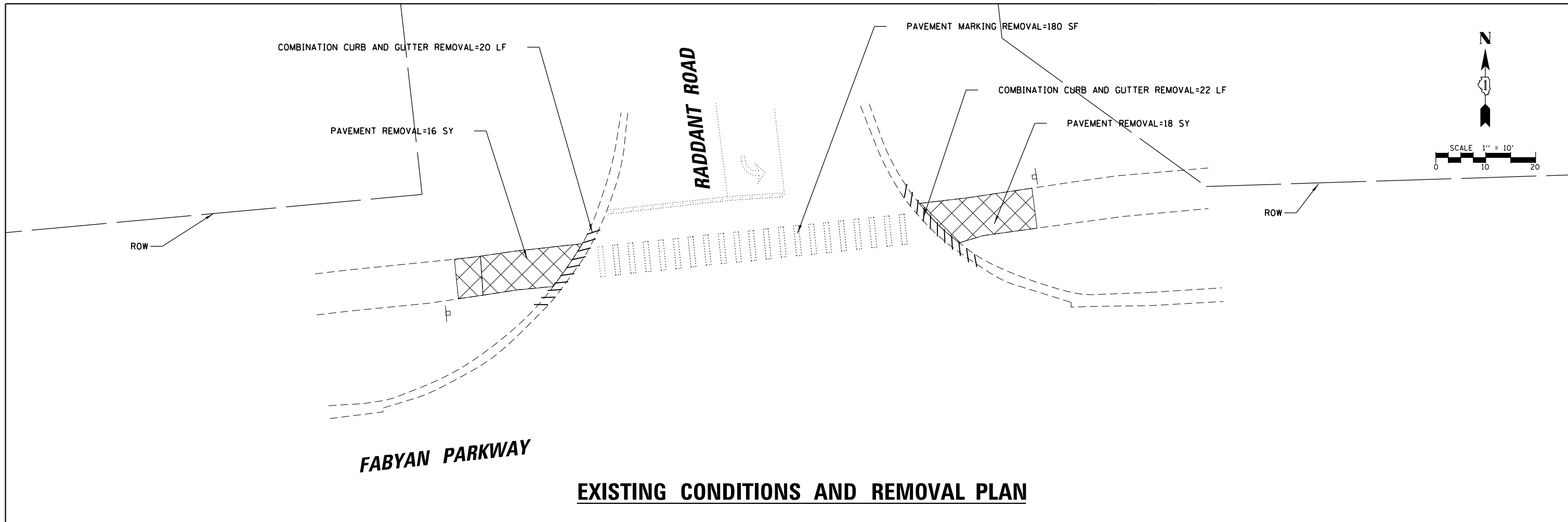
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbeldf\Kane County\120523\Civil\REM\120523-20.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

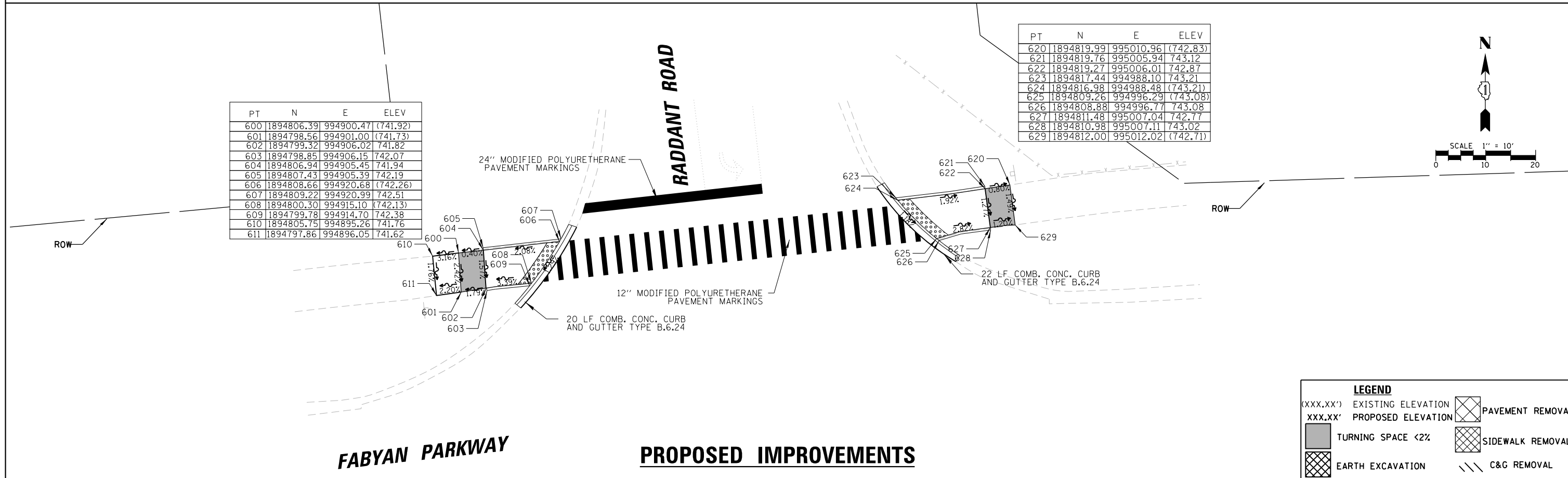
**PEDESTRIAN ACCESS ROUTE REMOVAL PLAN
FABYAN PARKWAY AND WESTERN AVENUE**

SCALE: 20' SHEET NO. 18 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	18
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



EXISTING CONDITIONS AND REMOVAL PLAN



PROPOSED IMPROVEMENTS

LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		EARTH EXCAVATION
	C&G REMOVAL		

PT	N	E	ELEV
700	1849454.67	972638.65	(672.48)
701	1849455.29	972638.81	672.48
702	1849441.25	972634.35	672.48
703	1849441.91	972634.60	(672.48)
704	1849441.96	972608.93	672.33
705	1849441.53	972609.19	672.08
706	1849434.16	972617.20	671.86
707	1849418.63	972579.24	(671.61)
708	1849412.42	972571.08	(671.53)
709	1849403.33	972579.78	(671.71)
710	1849403.00	972579.38	671.79
711	1849409.82	972587.66	671.64
712	1849409.77	972588.39	671.89
713	1849387.64	972594.75	(672.64)
714	1849387.30	972594.39	672.64
715	1849394.78	972602.71	672.62
716	1849394.44	972602.35	(672.62)
717	1849434.16	972617.20	672.10
718	1849433.73	972617.47	671.35

PT	N	E	ELEV
720	1849516.12	972757.99	(671.94)
721	1849514.13	972747.88	(672.00)
722	1849508.62	972761.31	671.96
723	1849508.68	972761.86	672.21
724	1849507.49	972750.92	672.40
725	1849507.94	972750.71	672.03
726	1849506.02	972746.44	672.41
727	1849505.65	972746.83	(672.41)
728	1849500.10	972764.92	672.15
729	1849500.06	972764.40	671.90
730	1849497.08	972765.32	671.88
731	1849497.23	972764.79	(671.88)

PT	N	E	ELEV
770	1849351.49	972625.86	671.72
771	1849351.81	972626.25	(671.72)
772	1849343.19	972634.77	671.95
773	1849343.32	972635.37	671.70
774	1849358.18	972633.96	(671.79)
775	1849358.55	972634.30	671.79
776	1849351.90	972640.71	671.90
777	1849352.47	972640.83	672.13
778	1849356.95	972653.19	670.94
779	1849356.44	972653.23	(670.94)
780	1849342.93	972654.55	(670.68)
781	1849342.43	972654.56	670.68
782	1849339.38	972633.10	671.37
783	1849339.29	972633.63	(671.37)
784	1849333.41	972645.12	(670.80)
785	1849333.21	972645.58	670.80
786	1849342.85	972649.25	671.92
787	1849342.35	972649.58	670.97
790	1849338.15	972647.19	671.96

PT	N	E	ELEV
755	1849306.07	972621.90	(670.29)
756	1849306.25	972621.44	670.29
757	1849301.49	972631.08	(669.82)
758	1849301.30	972631.54	669.82
759	1849299.89	972618.91	670.52
760	1849299.71	972619.38	670.27
761	1849295.94	972628.88	670.05
762	1849295.76	972629.34	670.30
763	1849293.76	972617.02	670.26
764	1849289.77	972619.58	670.25
765	1849274.62	972629.28	(670.19)
766	1849280.97	972638.84	(670.22)

PT	N	E	ELEV
735	1849414.72	972784.21	670.58
736	1849414.62	972783.72	(670.33)
737	1849412.48	972773.96	(670.34)
738	1849412.38	972773.47	670.59
739	1849420.10	972772.36	(670.11)
740	1849419.69	972771.94	670.36
741	1849424.32	972781.82	670.40
742	1849424.53	972782.32	670.65
743	1849427.81	972781.64	670.67
744	1849427.49	972781.20	(670.42)
745	1849390.59	972763.87	670.35
746	1849391.05	972763.67	(670.10)
747	1849406.17	972763.67	(670.16)
748	1849406.57	972763.97	670.41
749	1849407.89	972762.19	670.46
750	1849407.49	972761.89	(670.21)
751	1849386.10	972752.03	(669.95)
752	1849385.51	972751.79	670.20

LEGEND

(XXX.XX') EXISTING ELEVATION PAVEMENT REMOVAL

XXX.XX' PROPOSED ELEVATION SIDEWALK REMOVAL

TURNING SPACE <2% C&G REMOVAL

EARTH EXCAVATION

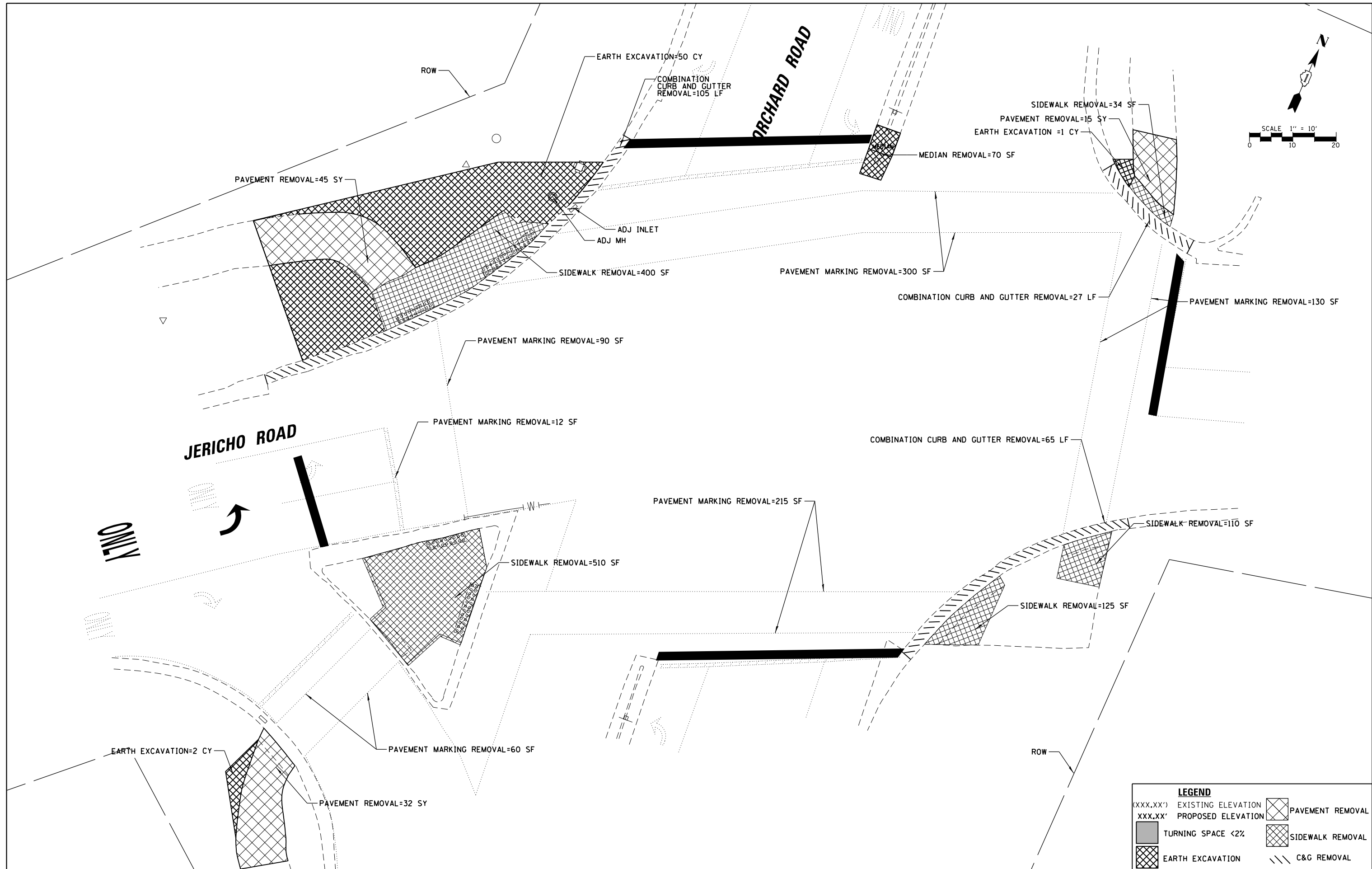
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRV1\cbbeldf\t\Kane County\120523\Civil\PRO_120523-01.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PEDESTRIAN ACCESS ROUTE IMPROVEMENT PLAN
ORCHARD ROAD AND JERICO ROAD**

SCALE: 20' SHEET NO. 20 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	20
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		

FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbeldf\Kane County\120523\3\Civil\REM\120523-01.sht		DRAWN - JEH	REVISED -
		CHECKED - LMF	REVISED -
		DATE - 12/14/16	REVISED -

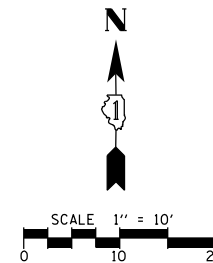
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PEDESTRIAN ACCESS ROUTE REMOVAL PLAN
ORCHARD ROAD AND JERICHO ROAD**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	21
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

PT	N	E	ELEV
800	1852180.66	972577.21	(678.91)
801	1852170.61	972577.21	(678.88)
802	1852174.75	972599.52	678.79
803	1852174.64	972598.90	679.04
804	1852177.61	972610.04	678.78
805	1852177.11	972610.56	679.03
806	1852160.44	972599.82	(678.76)
807	1852160.23	972599.32	678.76
808	1852167.35	972610.93	679.00
809	1852166.94	972610.44	(679.00)
810	1852189.15	972610.13	679.23
811	1852188.65	972610.13	678.98
812	1852189.15	972624.98	679.99
813	1852188.65	972624.83	(679.74)
814	1852188.65	972619.83	679.65
815	1852189.15	972619.83	679.90
816	1852177.61	972619.83	(679.57)
817	1852177.11	972619.51	679.82
818	1852186.04	972599.40	678.78

PT	N	E	ELEV
820	1852196.31	972731.57	(681.91)
821	1852196.28	972741.85	(682.06)
822	1852190.28	972730.84	681.82
823	1852189.04	972723.63	681.78
824	1852190.28	972742.21	681.71
825	1852190.28	972742.72	681.96
826	1852171.75	972744.22	(681.51)
827	1852171.55	972744.81	681.51
828	1852190.28	972730.13	682.07
829	1852188.37	972723.94	(681.78)



PRAIRIE STREET

ORCHARD ROAD

PT	N	E	ELEV
840	1852080.28	972614.28	(678.23)
841	1852080.28	972604.64	(678.32)
842	1852088.28	972604.41	678.24
843	1852088.28	972603.91	678.49
844	1852088.28	972614.60	678.13
845	1852088.28	972615.10	678.38
846	1852096.87	972615.44	677.92
847	1852097.25	972614.96	(677.92)
848	1852097.25	972604.15	677.94
849	1852097.27	972603.67	678.19
850	1852103.13	972603.99	(677.89)
851	1852103.30	972603.46	678.14

PT	N	E	ELEV
830	1852090.48	972751.54	(680.08)
831	1852098.53	972751.93	680.43
832	1852098.53	972751.43	680.18
833	1852090.53	972741.58	(679.94)
834	1852098.53	972740.83	680.33
835	1852098.53	972741.33	680.08
836	1852106.43	972741.08	(680.50)
837	1852106.05	972740.58	680.50
838	1852113.48	972751.78	680.87
839	1852113.24	972751.29	(680.87)

FILE NAME = \\CBBELSRVRI\cbbelbdf\t\Kane County\120523\PROJ\120523-02.sht	USER NAME = fbariso	DESIGNED - JEH	REVISED -
PLOT SCALE = 20'	PLOT DATE = 11/16/2018	DRAWN - JEH	REVISED -
		CHECKED - LMF	REVISED -
		DATE - 12/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

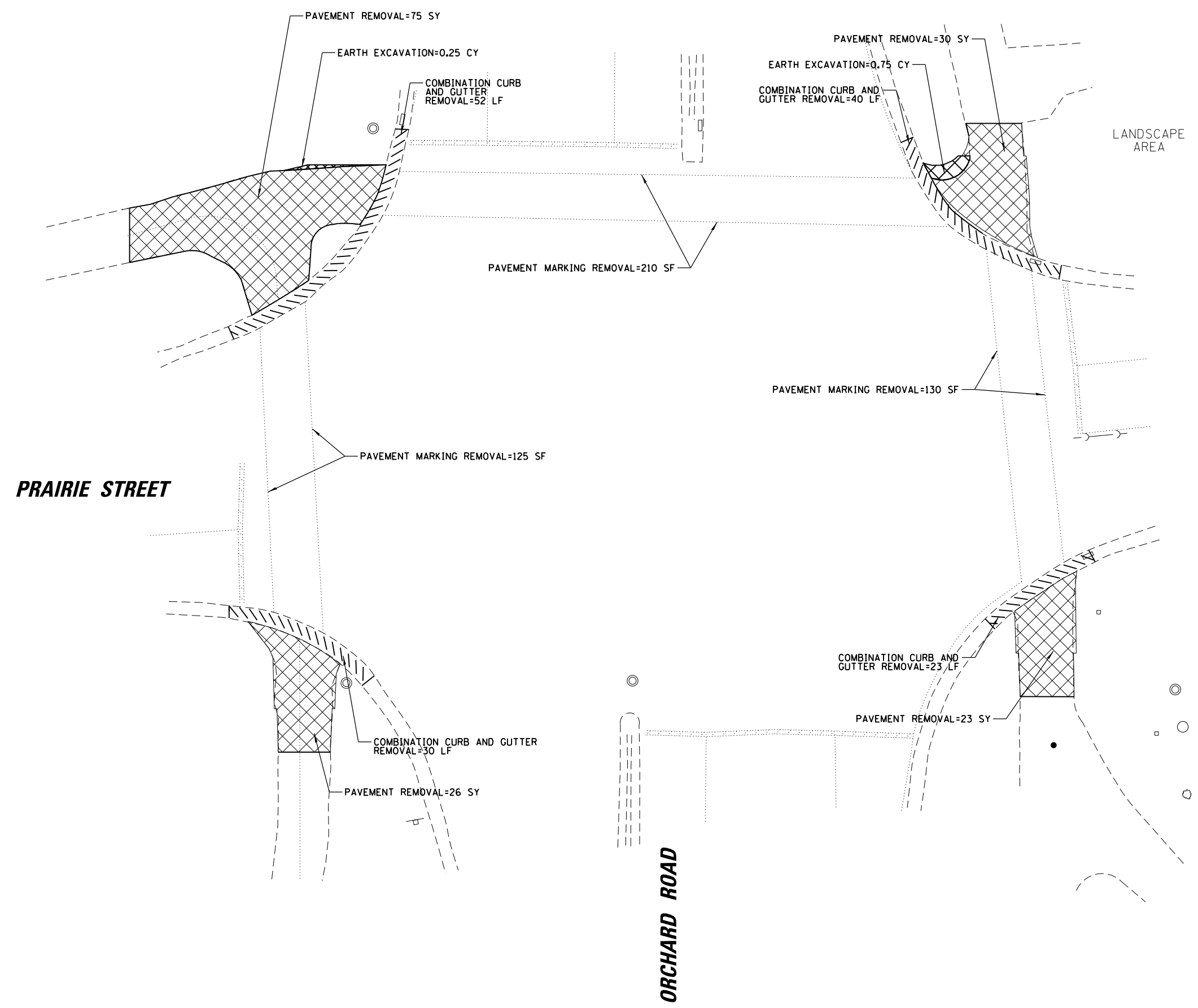
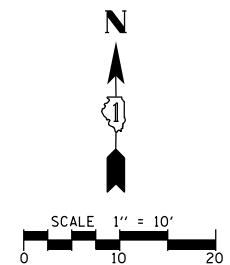
PEDESTRIAN ACCESS ROUTE IMPROVEMENT PLAN
ORCHARD ROAD AND PRAIRIE STREET

SCALE: 20' SHEET NO. 22 OF 171 SHEETS STA. TO STA.

LEGEND	
(XXX.XX')	EXISTING ELEVATION
XXX.XX'	PROPOSED ELEVATION
[Hatched Box]	TURNING SPACE <2%
[Cross-hatched Box]	EARTH EXCAVATION
[Diagonal Lines]	PAVEMENT REMOVAL
[Diagonal Lines]	SIDEWALK REMOVAL
[Dashed Line]	C&G REMOVAL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	22

CONTRACT NO. ILLINOIS FED. AID PROJECT



LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		

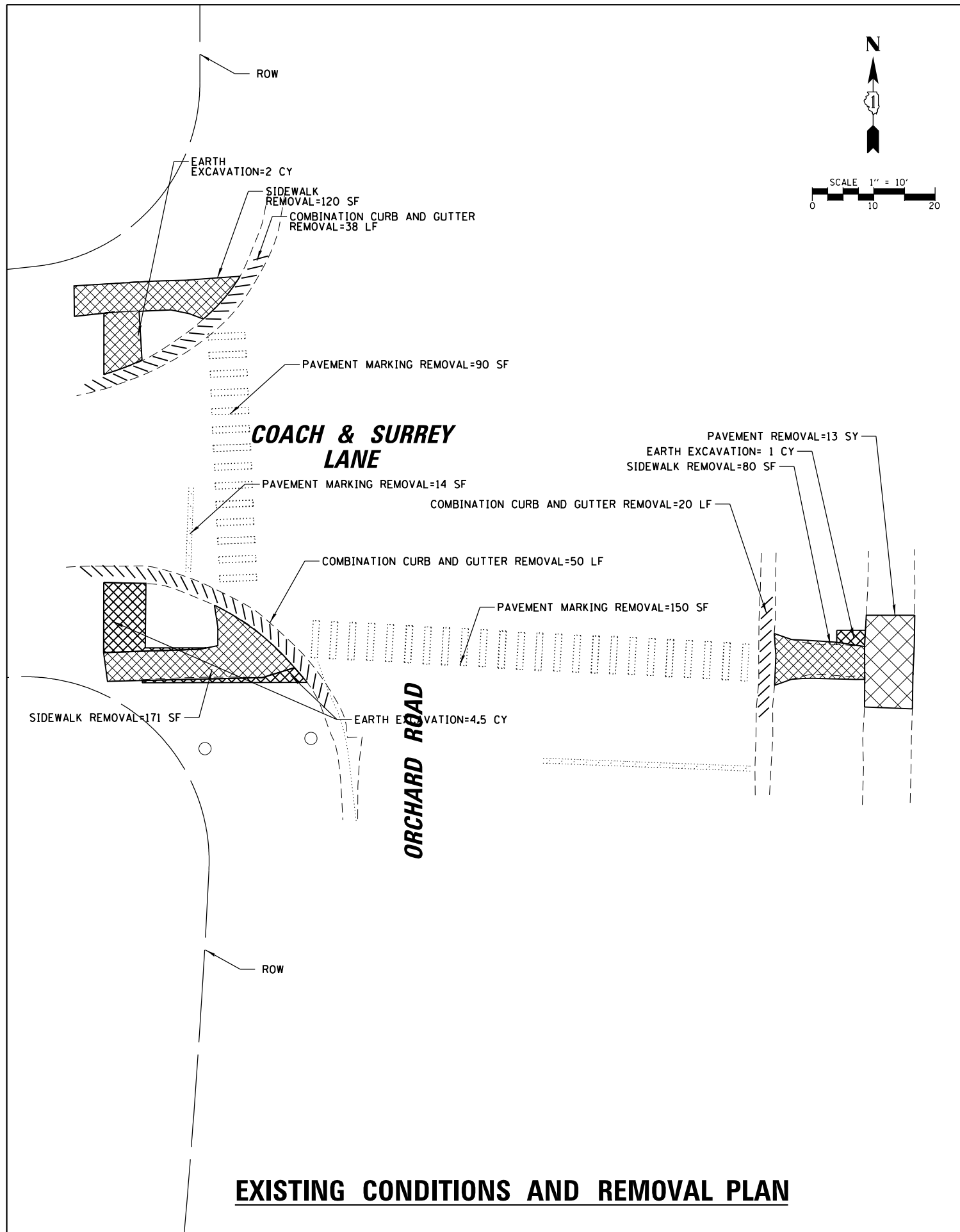
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbeldf\Kane County\120523\Civil\REM\120523-02.sht		DRAWN - JEH	REVISED -
PLOT SCALE = 20'		CHECKED - LMF	REVISED -
PLOT DATE = 11/16/2018		DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

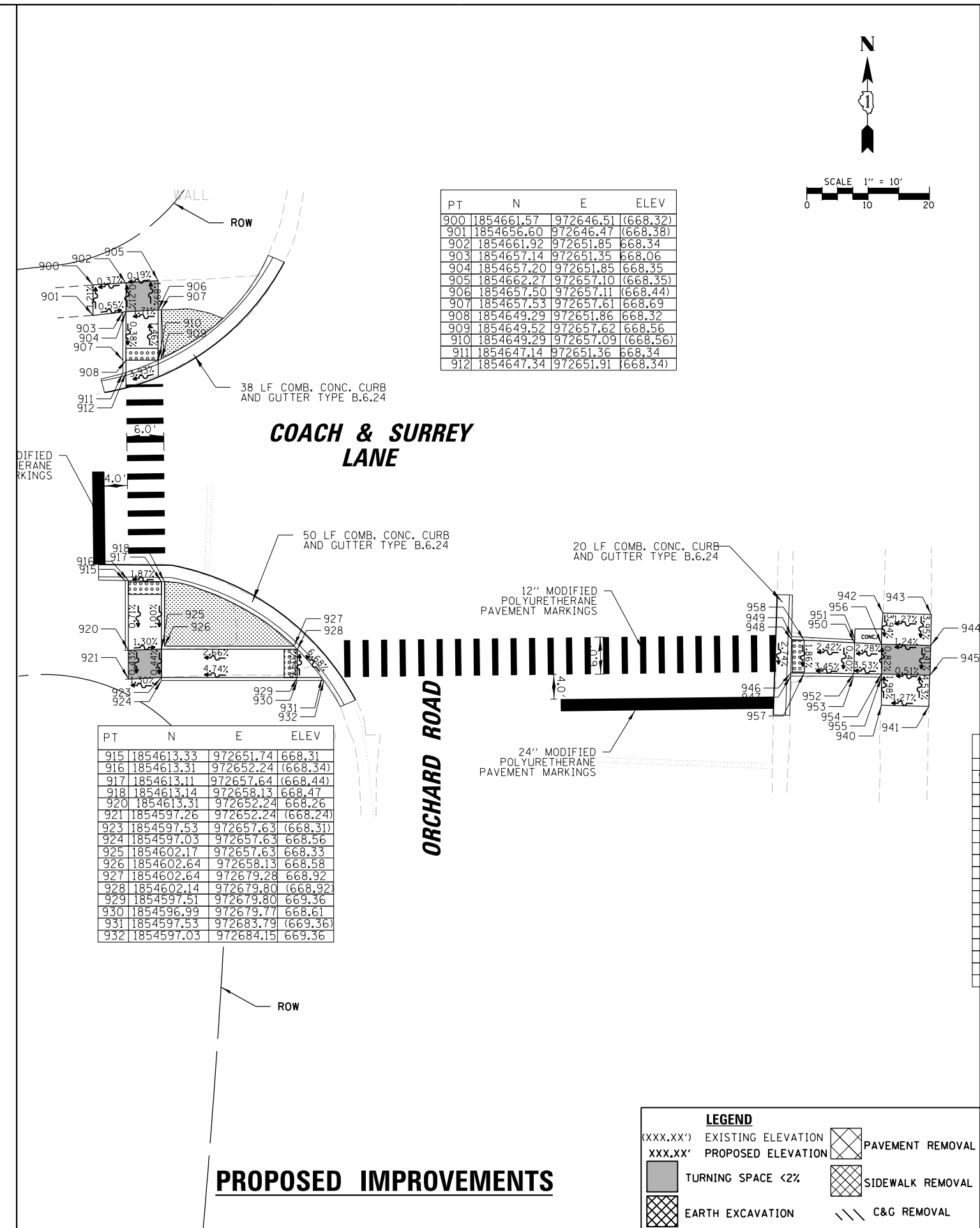
**PEDESTRIAN ACCESS ROUTE REMOVAL PLAN
ORCHARD ROAD AND PRAIRIE STREET**

SCALE: 20' SHEET NO. 23 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	23
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



EXISTING CONDITIONS AND REMOVAL PLAN



PROPOSED IMPROVEMENTS

PT	N	E	ELEV
900	1854661.57	972646.51	(668.32)
901	1854656.60	972646.47	(668.38)
902	1854661.92	972651.85	668.34
903	1854657.14	972651.35	668.06
904	1854657.20	972651.85	668.35
905	1854662.27	972657.10	(668.35)
906	1854657.50	972657.11	(668.44)
907	1854657.53	972657.61	668.69
908	1854649.29	972651.86	668.32
909	1854649.52	972657.62	(668.56)
910	1854649.29	972657.09	(668.56)
911	1854647.14	972651.36	668.34
912	1854647.34	972651.91	(668.34)

PT	N	E	ELEV
915	1854613.33	972651.74	668.31
916	1854613.31	972652.24	(668.34)
917	1854613.11	972657.64	(668.44)
918	1854613.14	972658.13	668.47
920	1854613.31	972652.24	668.26
921	1854597.26	972652.24	(668.24)
923	1854597.53	972657.63	(668.31)
924	1854597.03	972657.63	668.56
925	1854602.17	972657.63	668.33
926	1854602.64	972658.13	668.58
927	1854602.64	972679.28	668.92
928	1854602.14	972679.80	(668.92)
929	1854597.51	972679.80	669.36
930	1854596.99	972679.77	668.61
931	1854597.53	972683.79	(669.36)
932	1854597.03	972684.15	669.36

LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		

FILE NAME = \\CBBELSRVRI\cbbeldf\Kane County\120523\PROJ\120523-03.sht	USER NAME = fbariso	DESIGNED - JEH	REVISED -
PLOT SCALE = 20'	CHECKED - LMF	DRAWN - JEH	REVISED -
PLOT DATE = 11/16/2018	DATE - 12/14/16		REVISED -

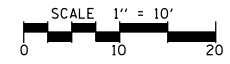
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN ACCESS ROUTE REMOVAL /IMPROVEMENT PLAN
ORCHARD ROAD AND COACH & SURREY LANE

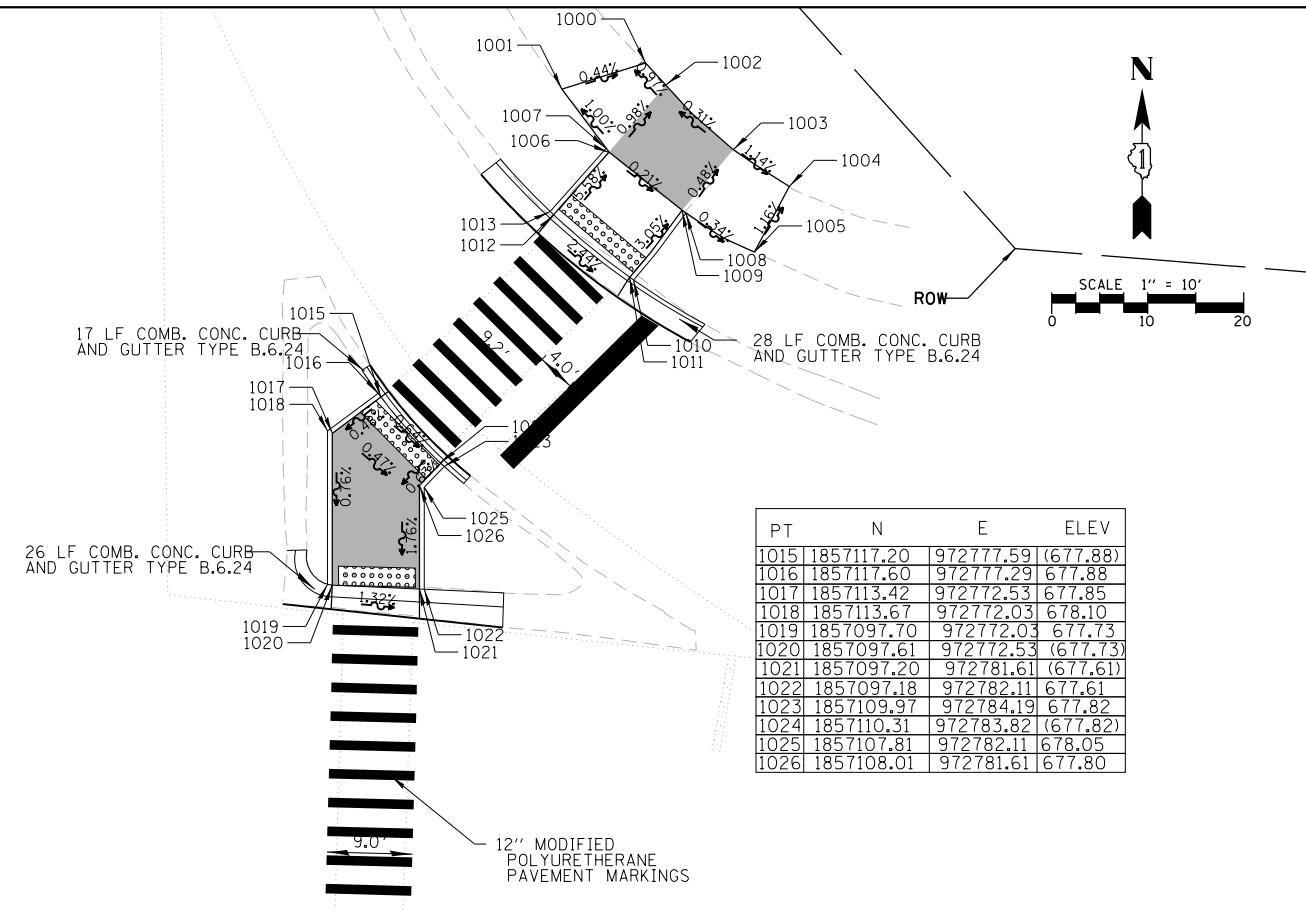
SCALE: 20' SHEET NO. 24 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	24
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

ORCHARD ROAD



PT	N	E	ELEV
1000	1857152.01	972805.18	(676.55)
1001	1857149.29	972796.44	(676.59)
1002	1857149.72	972807.27	676.58
1003	1857142.99	972814.32	676.61
1004	1857139.16	972820.15	(676.53)
1005	1857132.32	972816.50	(676.62)
1006	1857142.72	972801.35	676.67
1007	1857143.13	972801.05	676.92
1008	1857136.39	972809.39	676.90
1009	1857136.67	972808.97	676.65
1010	1857129.40	972803.93	676.92
1011	1857129.69	972803.52	(676.92)
1012	1857136.20	972795.59	(677.17)
1013	1857136.55	972795.23	677.17



PT	N	E	ELEV
1015	1857117.20	972777.59	(677.88)
1016	1857117.60	972777.29	677.88
1017	1857113.42	972772.53	677.85
1018	1857113.67	972772.03	678.10
1019	1857097.70	972772.03	677.73
1020	1857097.61	972772.53	(677.73)
1021	1857097.20	972781.61	(677.61)
1022	1857097.18	972782.11	677.61
1023	1857109.97	972784.19	677.82
1024	1857110.31	972783.82	(677.82)
1025	1857107.81	972782.11	678.05
1026	1857108.01	972781.61	677.80

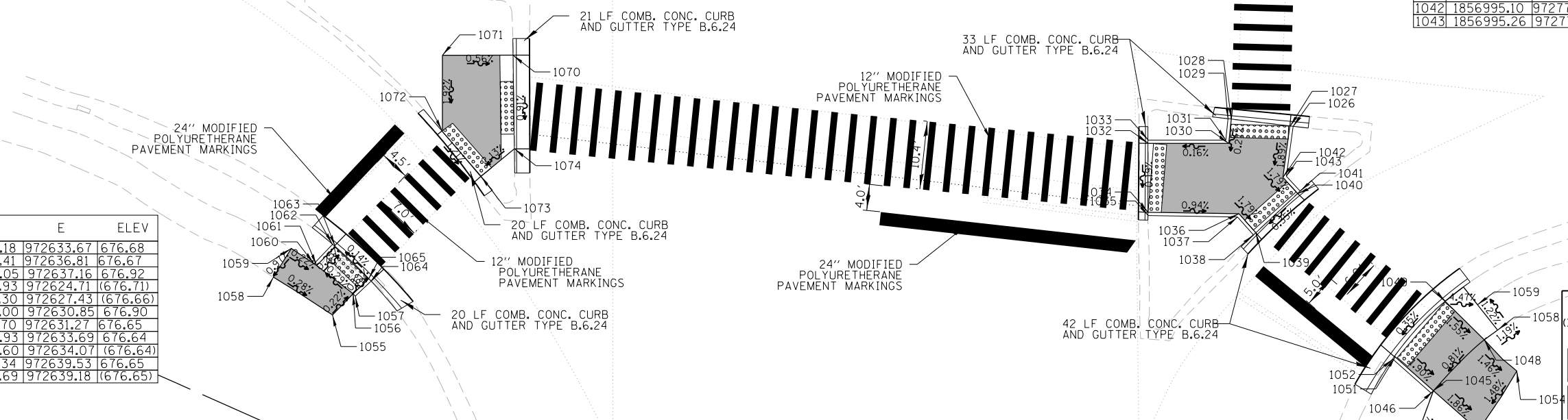
GALENA BLVD

PT	N	E	ELEV
1070	1857013.69	972661.10	(677.14)
1071	1857013.68	972650.37	677.20
1072	1857002.21	972650.37	(676.98)
1073	1856995.23	972656.19	(676.87)
1074	1856999.45	972661.30	(677.01)

PT	N	E	ELEV
1026	1857002.86	972779.61	677.37
1027	1857002.93	972779.12	(677.37)
1028	1857003.96	972770.21	(677.37)
1029	1857004.02	972769.71	677.37
1030	1857000.27	972769.82	677.36
1031	1857000.77	972769.37	677.61
1032	1857000.27	972757.55	(677.34)
1033	1857000.77	972757.55	677.34
1034	1856989.81	972757.59	(677.32)
1035	1856989.31	972757.58	677.32
1036	1856989.58	972771.39	677.19
1037	1856989.09	972771.16	(677.44)
1038	1856986.35	972773.58	677.13
1039	1856986.68	972773.95	(677.13)
1040	1856992.65	972780.31	(677.16)
1041	1856992.98	972780.68	677.16
1042	1856995.10	972778.04	677.22
1043	1856995.26	972778.57	677.47

PT	N	E	ELEV
1045	1856962.66	972800.92	676.53
1046	1856962.66	972800.92	676.61
1048	1856970.41	972808.63	676.70
1049	1856976.26	972802.76	(676.83)
1051	1856967.90	972795.01	(676.76)
1052	1856967.49	972794.72	676.76
1054	1856965.65	972813.59	676.60
1055	1856956.61	972807.75	676.44
1056	1856947.20	972803.29	(675.44)
1057	1856952.57	972797.23	(676.23)
1058	1856971.89	972810.68	(676.67)
1059	1856975.73	972807.62	(676.61)

PT	N	E	ELEV
1055	1856974.18	972633.67	676.68
1056	1856977.41	972636.81	676.67
1057	1856977.05	972637.16	676.92
1058	1856979.93	972624.71	(676.71)
1059	1856984.30	972627.43	(676.66)
1060	1856982.00	972630.85	676.90
1061	1856981.70	972631.27	676.65
1062	1856984.93	972633.69	676.64
1063	1856984.60	972634.07	(676.64)
1064	1856979.34	972639.53	676.65
1065	1856979.69	972639.18	(676.65)

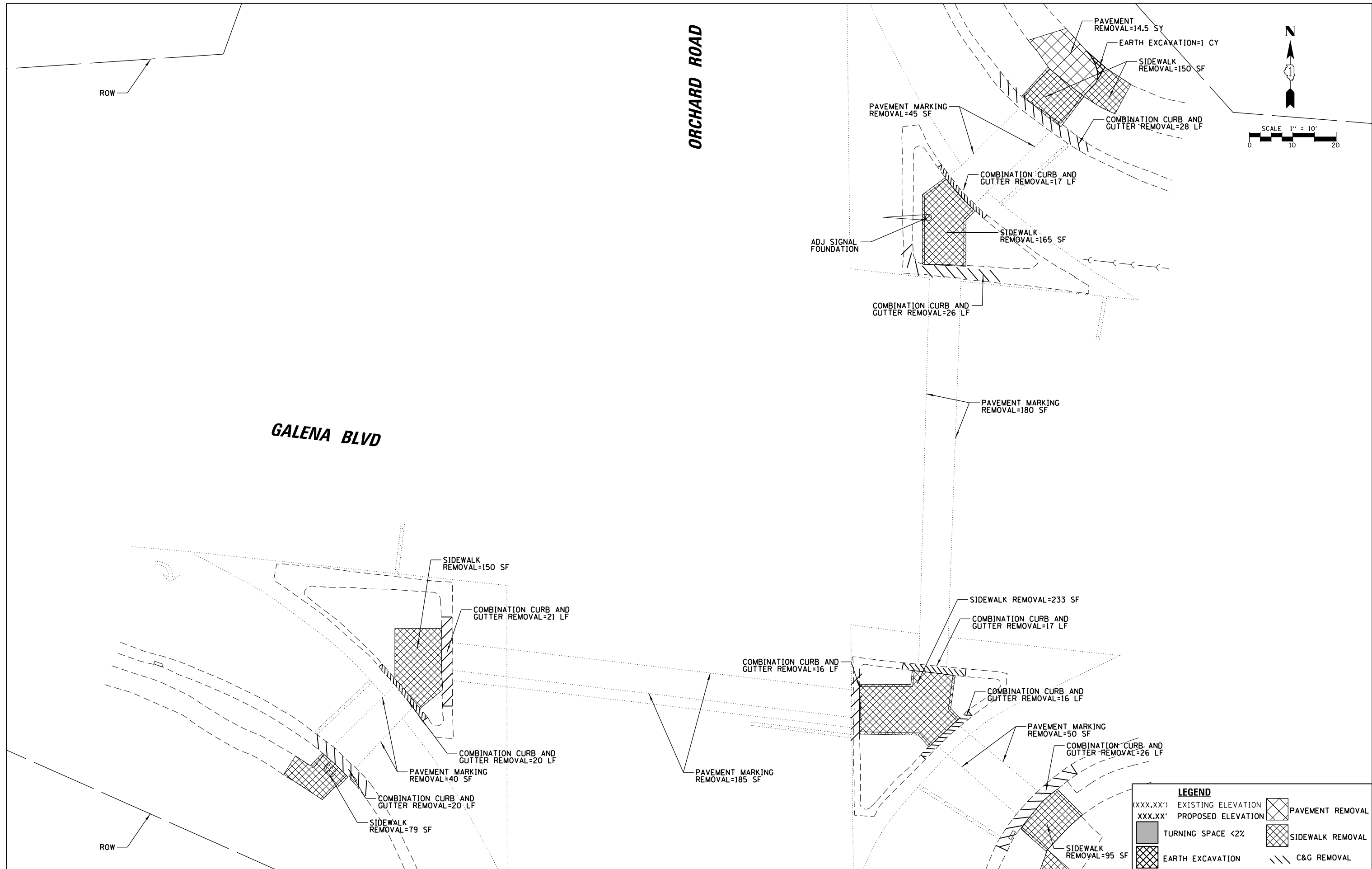
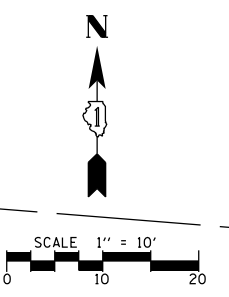


LEGEND

- XXX.XX' EXISTING ELEVATION
- XXX.XX' PROPOSED ELEVATION
- TURNING SPACE <2%
- EARTH EXCAVATION
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- C&G REMOVAL

ORCHARD ROAD

GALENA BLVD



LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		

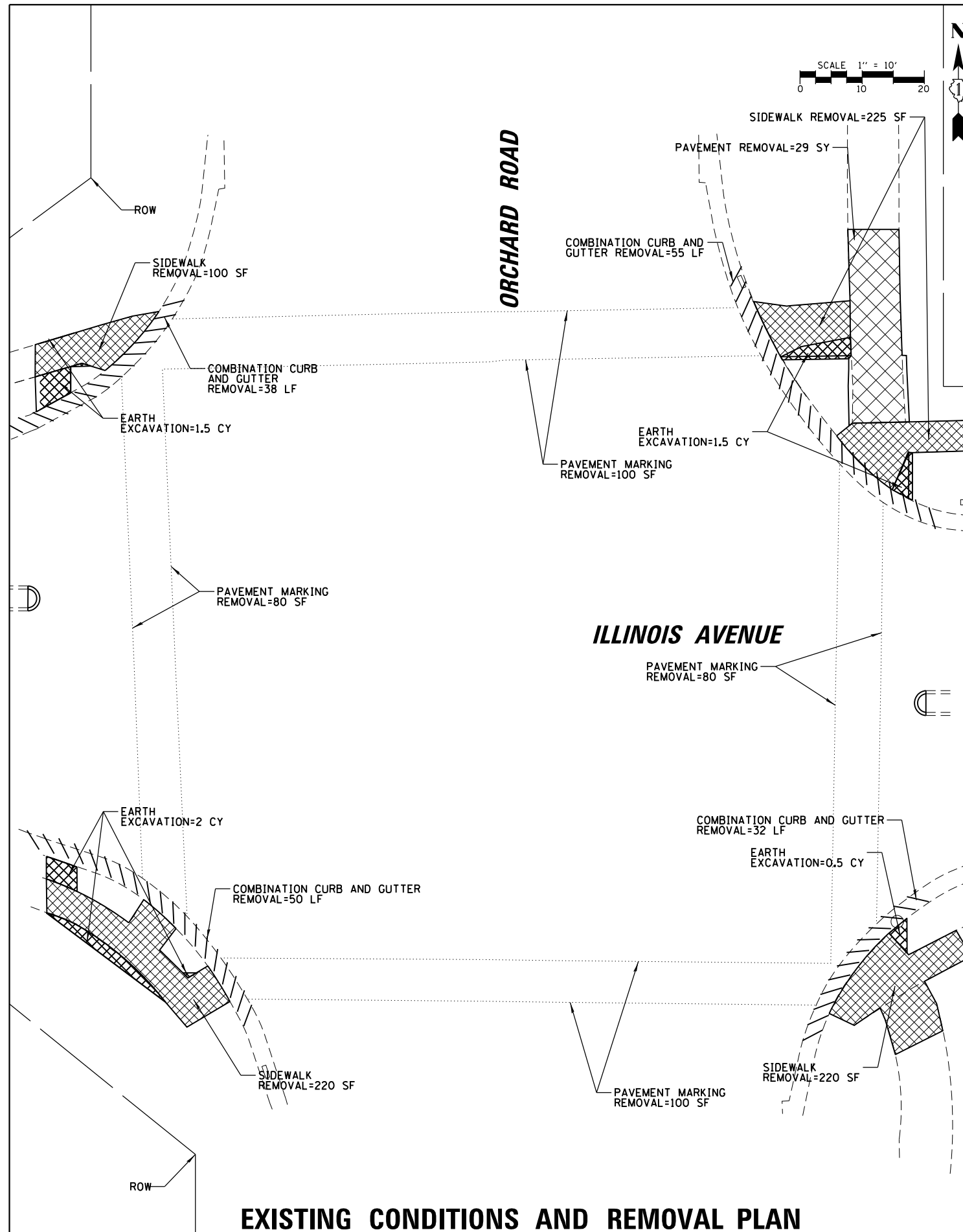
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBELSRVRI\cbbeldf\Kane County\120523\Civil\REM\120523-04.sht	3\Civil\REM\120523-04.sht	DRAWN - JEH	REVISED -
	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

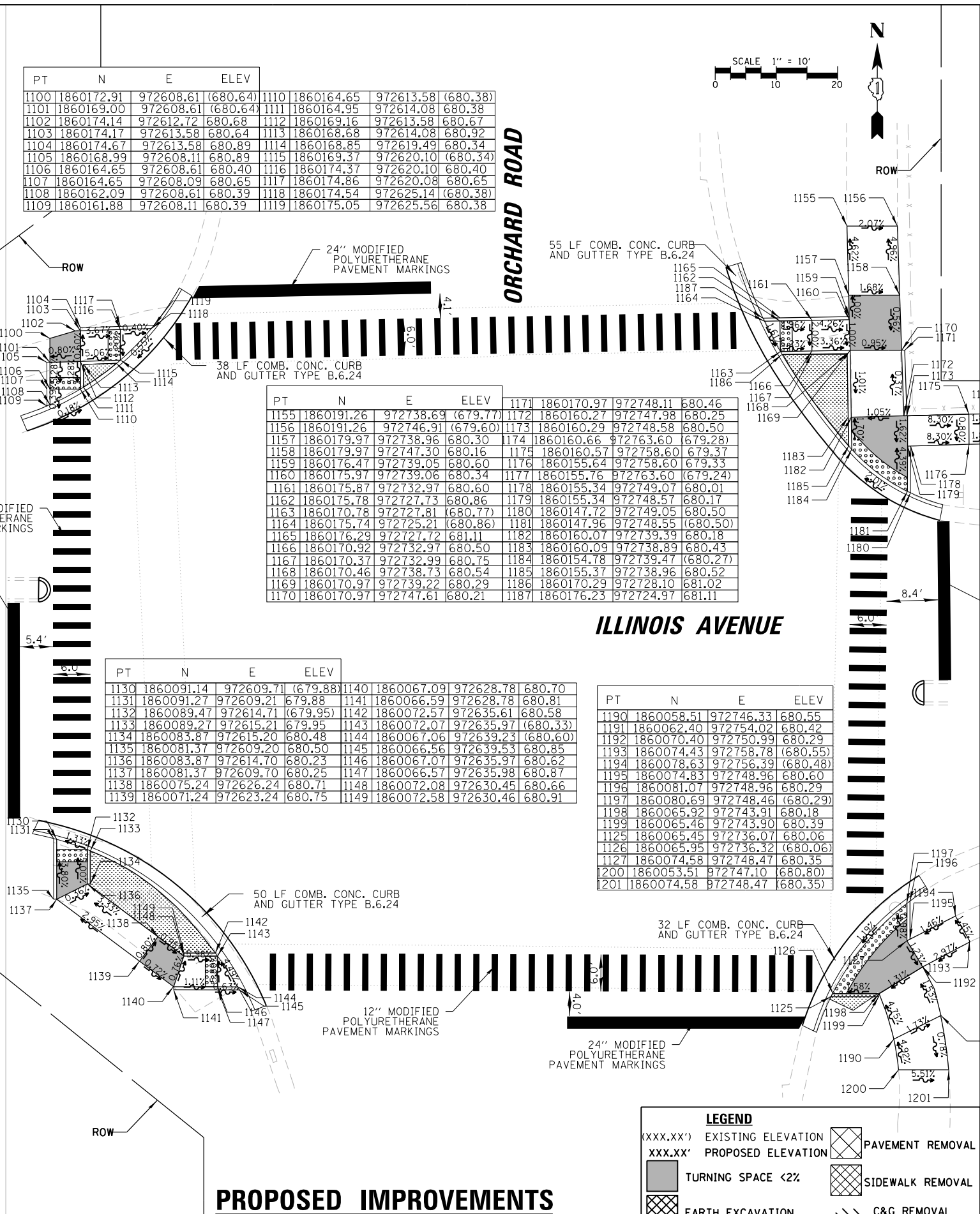
**PEDESTRIAN ACCESS ROUTE REMOVAL PLAN
ORCHARD ROAD AND GALENA BOULEVARD**

SCALE: 20' SHEET NO. 26 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	26
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



EXISTING CONDITIONS AND REMOVAL PLAN



PROPOSED IMPROVEMENTS

PT	N	E	ELEV	PT	N	E	ELEV
1100	1860172.91	972608.61	(680.64)	1110	1860164.65	972613.58	(680.38)
1101	1860169.00	972608.61	(680.64)	1111	1860164.95	972614.08	680.38
1102	1860174.14	972612.72	680.68	1112	1860169.16	972613.58	680.67
1103	1860174.17	972613.58	680.64	1113	1860168.68	972614.08	680.92
1104	1860174.67	972613.58	680.89	1114	1860168.85	972619.49	680.34
1105	1860168.99	972608.11	680.89	1115	1860169.37	972620.10	(680.34)
1106	1860164.65	972608.61	680.40	1116	1860174.37	972620.10	680.40
1107	1860164.65	972608.09	680.65	1117	1860174.86	972620.08	680.65
1108	1860162.09	972608.61	680.39	1118	1860174.54	972625.14	(680.38)
1109	1860161.88	972608.11	680.39	1119	1860175.05	972625.56	680.38

PT	N	E	ELEV	PT	N	E	ELEV
1104	1860174.14	972612.72	680.68	1119	1860175.05	972625.56	680.38
1103	1860174.17	972613.58	680.64	1118	1860174.54	972625.14	(680.38)
1102	1860174.14	972612.72	680.68	1117	1860174.86	972620.08	680.65
1101	1860169.00	972608.61	(680.64)	1116	1860174.37	972620.10	680.40
1100	1860172.91	972608.61	(680.64)	1115	1860169.37	972620.10	(680.34)
1107	1860164.65	972608.09	680.65	1114	1860168.85	972619.49	680.34
1106	1860164.65	972608.61	680.40	1113	1860168.68	972614.08	680.92
1105	1860168.99	972608.11	680.89	1112	1860169.16	972613.58	680.67
1104	1860174.67	972613.58	680.89	1111	1860164.95	972614.08	680.38
1103	1860174.17	972613.58	680.64	1110	1860164.65	972613.58	(680.38)

PT	N	E	ELEV	PT	N	E	ELEV
1155	1860191.26	972738.69	(679.77)	1171	1860170.97	972748.11	680.46
1156	1860191.26	972746.91	(679.60)	1172	1860160.27	972747.98	680.25
1157	1860179.97	972738.96	680.30	1173	1860160.29	972748.58	680.50
1158	1860179.97	972747.30	680.16	1174	1860160.66	972763.60	(679.28)
1159	1860176.47	972739.05	680.60	1175	1860160.57	972758.60	679.37
1160	1860175.97	972739.06	680.34	1176	1860155.64	972758.60	679.33
1161	1860175.87	972732.97	680.60	1177	1860155.76	972763.60	(679.24)
1162	1860175.78	972727.73	680.86	1178	1860155.34	972749.07	680.01
1163	1860170.78	972727.81	(680.77)	1179	1860155.34	972748.57	680.17
1164	1860175.74	972725.21	(680.86)	1180	1860147.96	972748.55	(680.50)
1165	1860176.29	972727.72	681.11	1181	1860147.96	972748.55	(680.50)
1166	1860170.92	972732.97	680.50	1182	1860160.07	972739.39	680.18
1167	1860170.92	972732.97	680.50	1183	1860160.09	972738.89	680.43
1168	1860170.92	972732.97	680.50	1184	1860154.78	972739.47	(680.27)
1169	1860170.97	972739.22	680.29	1185	1860155.37	972738.96	680.52
1170	1860170.97	972747.61	680.21	1186	1860170.29	972728.10	681.02
1171	1860170.97	972747.61	680.21	1187	1860176.23	972724.97	681.11

PT	N	E	ELEV	PT	N	E	ELEV
1130	1860091.14	972609.71	(679.88)	1140	1860067.09	972628.78	680.70
1131	1860091.27	972609.21	679.88	1141	1860066.59	972628.78	680.81
1132	1860089.47	972614.71	(679.95)	1142	1860072.57	972635.61	680.58
1133	1860089.27	972615.21	679.95	1143	1860072.07	972635.97	(680.33)
1134	1860083.87	972615.20	680.48	1144	1860067.06	972639.23	(680.60)
1135	1860081.37	972609.20	680.50	1145	1860066.56	972639.53	680.85
1136	1860083.87	972614.70	680.23	1146	1860067.07	972635.97	680.62
1137	1860081.37	972609.70	680.25	1147	1860066.57	972635.98	680.87
1138	1860075.24	972626.24	680.71	1148	1860072.08	972630.45	680.66
1139	1860071.24	972623.24	680.75	1149	1860072.58	972630.46	680.91

PT	N	E	ELEV	PT	N	E	ELEV
1190	1860058.51	972746.33	680.55	1197	1860080.69	972748.46	(680.29)
1191	1860062.40	972754.02	680.42	1198	1860065.92	972743.91	680.18
1192	1860070.40	972750.99	680.29	1199	1860065.46	972743.90	680.39
1193	1860074.43	972758.78	(680.55)	1200	1860053.51	972747.10	(680.80)
1194	1860078.63	972756.39	(680.48)	1201	1860074.58	972748.47	(680.35)
1195	1860074.83	972748.96	680.60				
1196	1860081.07	972748.96	680.29				
1197	1860080.69	972748.46	(680.29)				
1198	1860065.92	972743.91	680.18				
1199	1860065.46	972743.90	680.39				
1200	1860053.51	972747.10	(680.80)				
1201	1860074.58	972748.47	(680.35)				

LEGEND

- (XXX.XX') EXISTING ELEVATION
- XXX.XX' PROPOSED ELEVATION
- TURNING SPACE <2%
- EARTH EXCAVATION
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- C&G REMOVAL

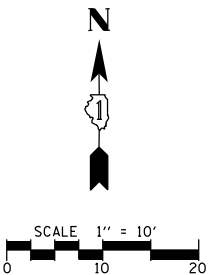
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRV1\cbbel\df\t\Kane County\120523\PROJ\120523-05.sht		DRAWN - JEH	REVISED -
PLOT SCALE = 20'		CHECKED - LMF	REVISED -
PLOT DATE = 11/16/2018		DATE - 12/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN ACCESS ROUTE REMOVAL/IMPROVEMENT PLAN
ORCHARD ROAD AND ILLINOIS AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	27
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: 20' SHEET NO. 27 OF 171 SHEETS STA. TO STA.



ORCHARD ROAD

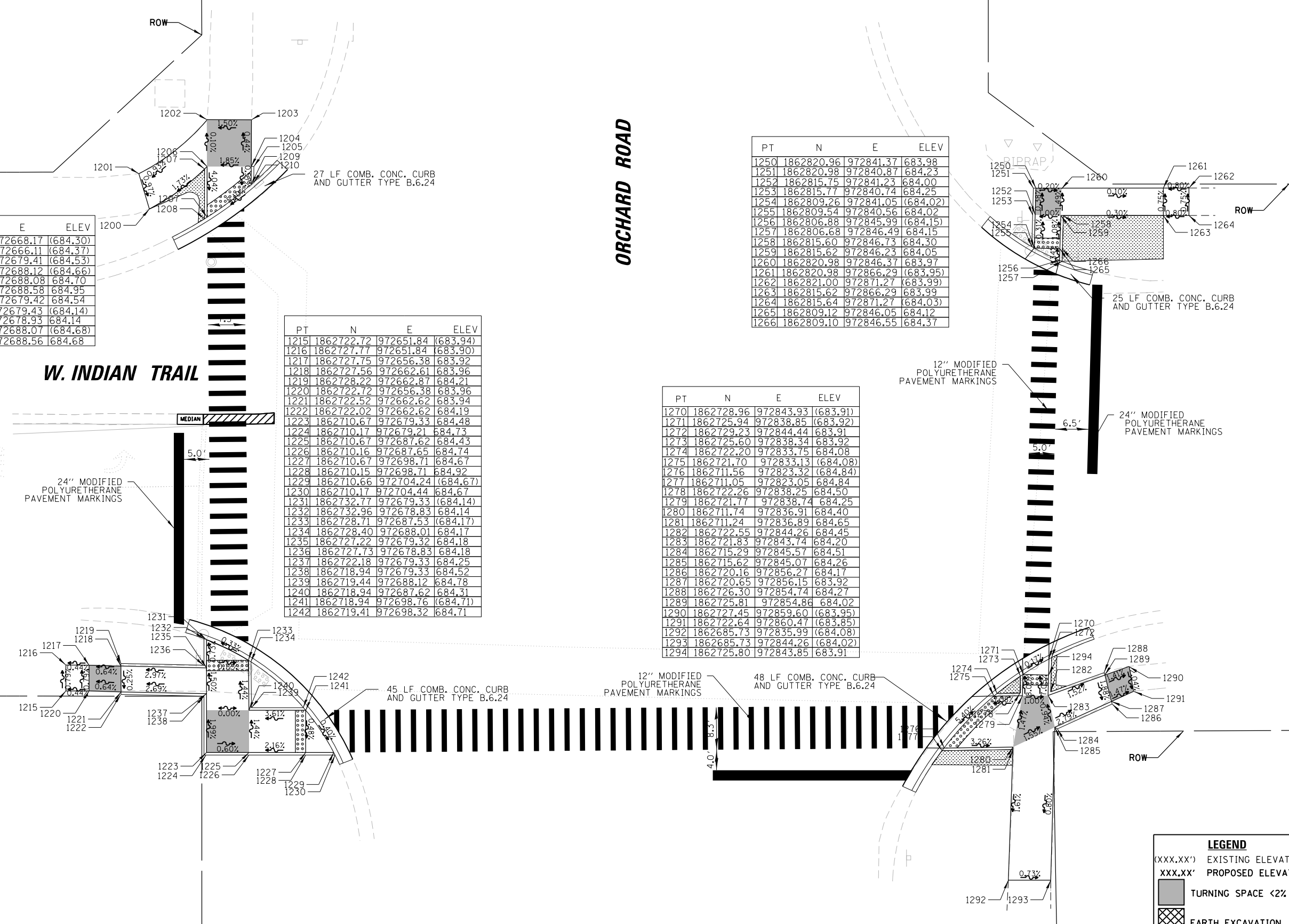
W. INDIAN TRAIL

PT	N	E	ELEV
1200	1862816.90	972668.17	(684.30)
1201	1862823.80	972666.11	(684.37)
1202	1862834.35	972679.41	(684.53)
1203	1862834.34	972688.12	(684.66)
1204	1862825.20	972688.08	684.70
1205	1862825.20	972688.58	684.95
1206	1862825.20	972679.42	684.54
1207	1862815.28	972679.43	(684.14)
1208	1862814.96	972678.93	684.14
1209	1862821.45	972688.07	(684.68)
1210	1862822.10	972688.56	684.68

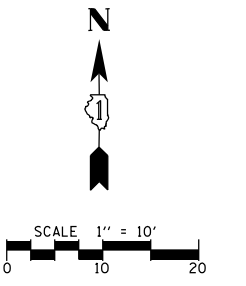
PT	N	E	ELEV
1215	1862722.72	972651.84	(683.94)
1216	1862727.77	972651.84	(683.90)
1217	1862727.75	972656.38	683.92
1218	1862727.56	972662.61	683.96
1219	1862728.22	972662.87	684.21
1220	1862722.72	972656.38	683.96
1221	1862722.52	972662.62	683.94
1222	1862722.02	972662.62	684.19
1223	1862710.67	972679.33	684.48
1224	1862710.17	972679.21	684.73
1225	1862710.67	972687.62	684.43
1226	1862710.16	972687.65	684.74
1227	1862710.67	972698.71	684.67
1228	1862710.15	972698.71	684.92
1229	1862710.66	972704.24	(684.67)
1230	1862710.17	972704.44	684.67
1231	1862732.77	972679.33	(684.14)
1232	1862732.96	972678.83	684.14
1233	1862728.71	972687.53	(684.17)
1234	1862728.40	972688.01	684.17
1235	1862727.22	972679.32	684.18
1236	1862727.73	972678.83	684.18
1237	1862722.18	972679.33	684.25
1238	1862718.94	972679.33	684.52
1239	1862719.44	972688.12	684.78
1240	1862718.94	972687.62	684.31
1241	1862718.94	972698.76	(684.71)
1242	1862719.41	972698.32	684.71

PT	N	E	ELEV
1250	1862820.96	972841.37	683.98
1251	1862820.98	972840.87	684.23
1252	1862815.75	972841.23	684.00
1253	1862815.77	972840.74	684.25
1254	1862809.26	972841.05	(684.02)
1255	1862809.54	972840.56	684.02
1256	1862806.88	972845.99	(684.15)
1257	1862806.68	972846.49	684.15
1258	1862815.60	972846.73	684.30
1259	1862815.62	972846.23	684.05
1260	1862820.98	972846.37	683.97
1261	1862820.98	972866.29	(683.95)
1262	1862821.00	972871.27	(683.99)
1263	1862815.62	972866.29	683.99
1264	1862815.64	972871.27	(684.03)
1265	1862809.12	972846.05	684.12
1266	1862809.10	972846.55	684.37

PT	N	E	ELEV
1270	1862728.96	972843.93	(683.91)
1271	1862725.94	972838.85	(683.92)
1272	1862729.23	972844.44	683.91
1273	1862725.60	972838.34	683.92
1274	1862722.20	972833.75	684.08
1275	1862721.70	972833.13	(684.08)
1276	1862711.56	972823.32	(684.84)
1277	1862711.05	972823.05	684.84
1278	1862722.26	972838.25	684.50
1279	1862721.77	972838.74	684.25
1280	1862711.74	972836.91	684.40
1281	1862711.24	972836.89	684.65
1282	1862722.55	972844.26	684.45
1283	1862721.83	972843.74	684.20
1284	1862715.29	972845.57	684.51
1285	1862715.62	972845.07	684.26
1286	1862720.16	972856.27	684.17
1287	1862720.65	972856.15	683.92
1288	1862726.30	972854.74	684.27
1289	1862725.81	972854.86	684.02
1290	1862727.45	972859.60	(683.95)
1291	1862722.64	972860.47	(683.85)
1292	1862685.73	972835.99	(684.08)
1293	1862685.73	972844.26	(684.02)
1294	1862725.80	972843.85	683.91

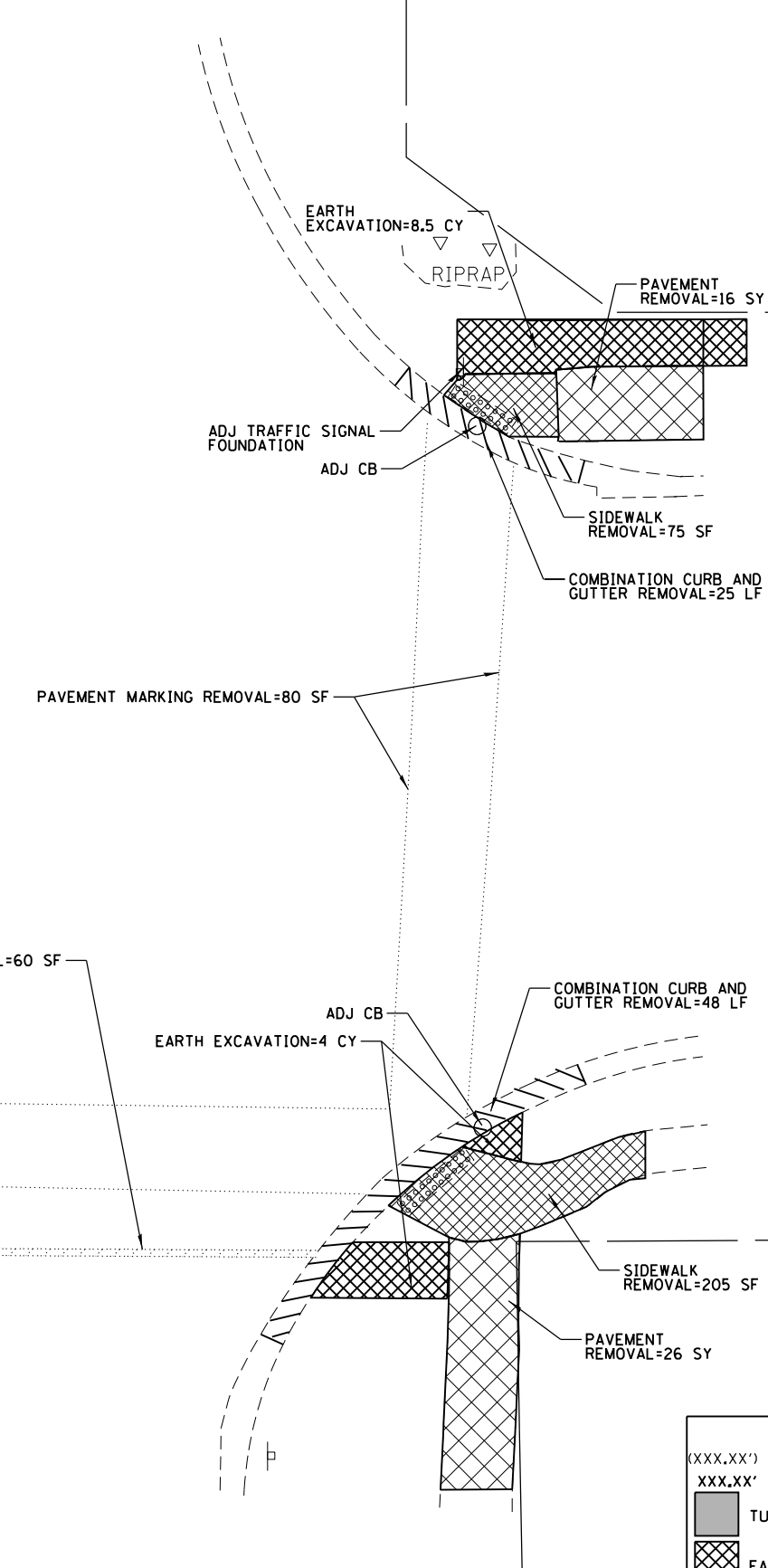
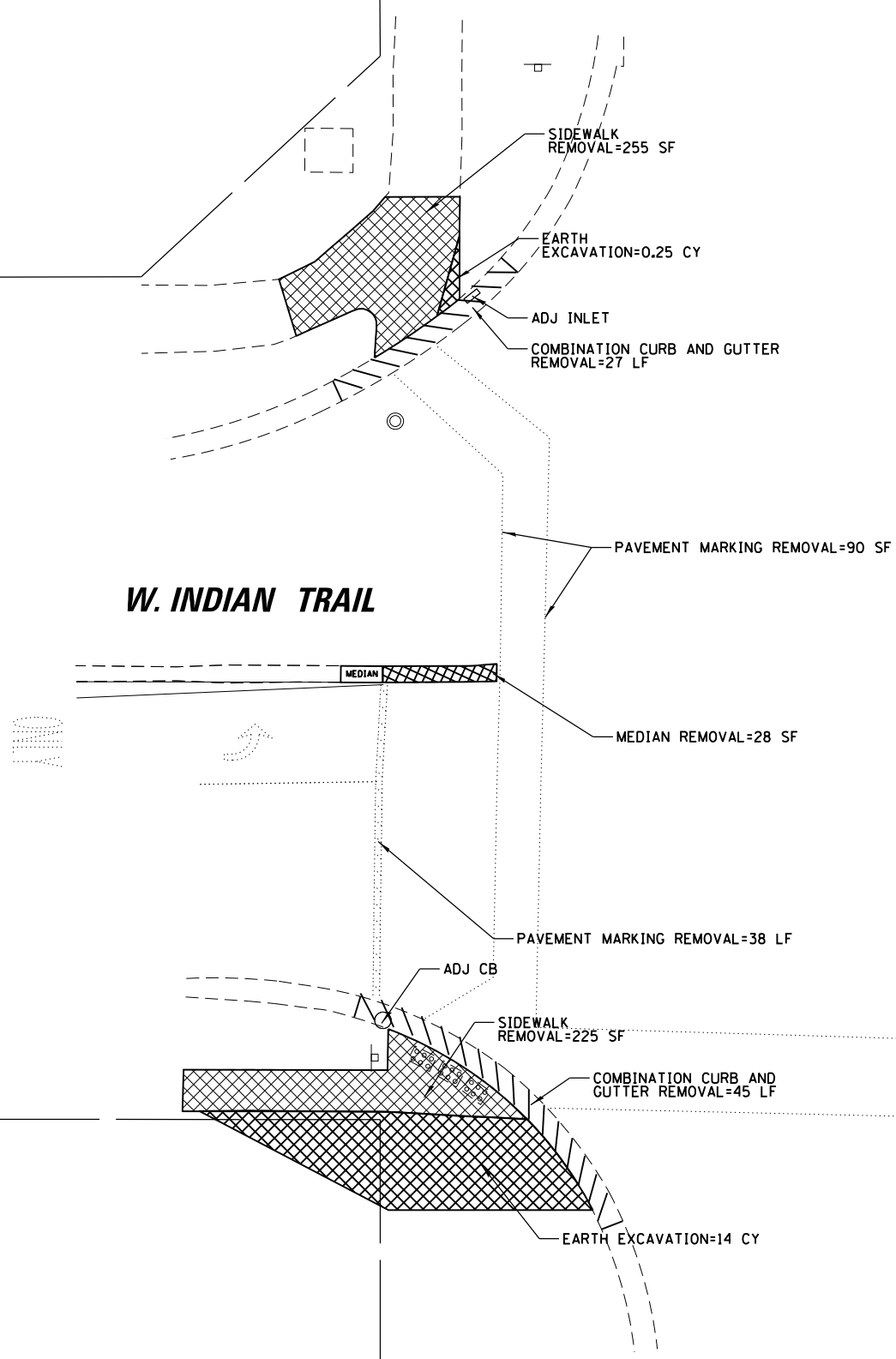


LEGEND			
(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		



ORCHARD ROAD

W. INDIAN TRAIL



LEGEND			
(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		

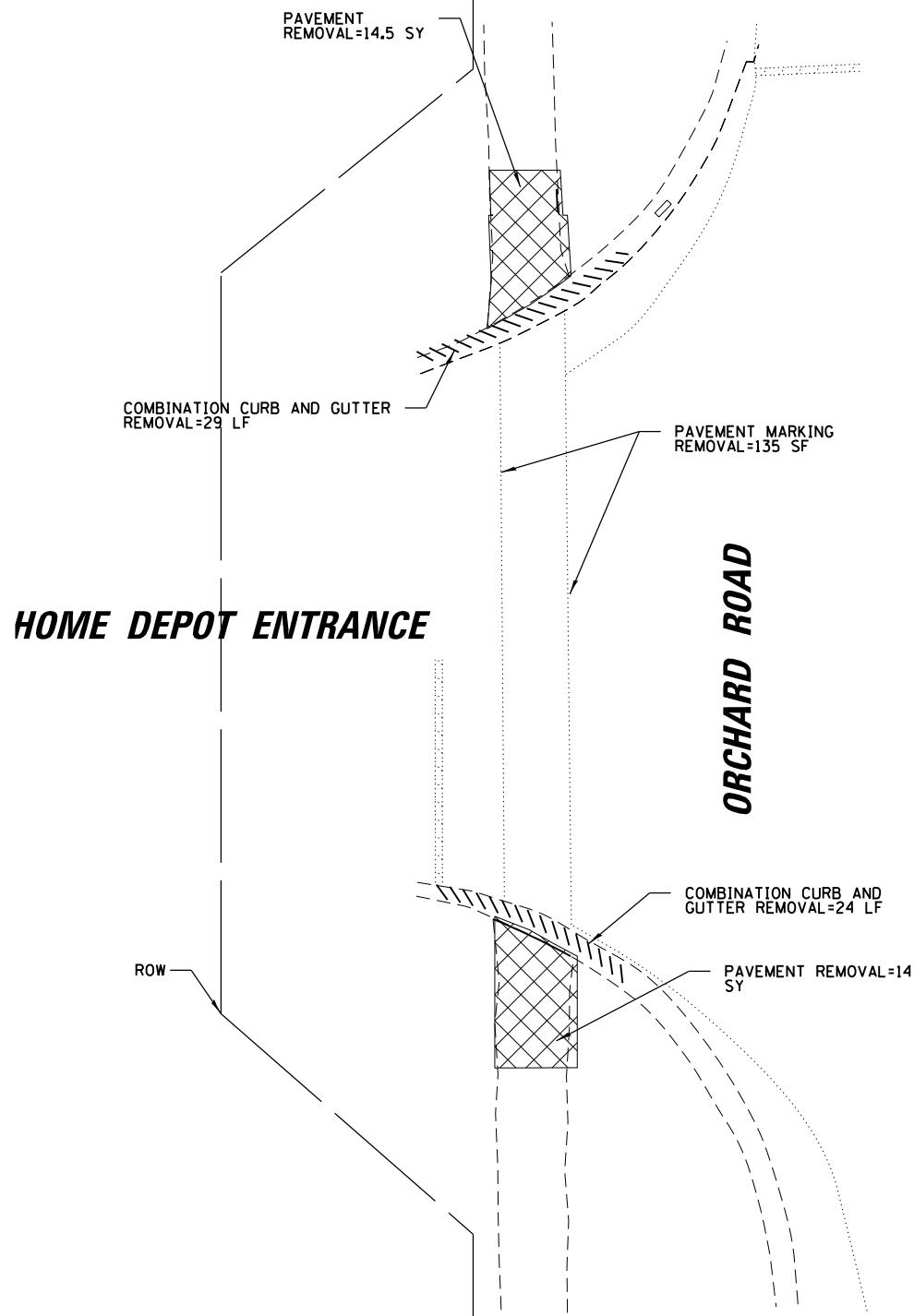
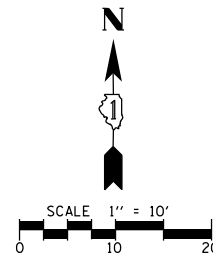
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbeldf\Kane County\120523\Civil\REM\120523-06.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

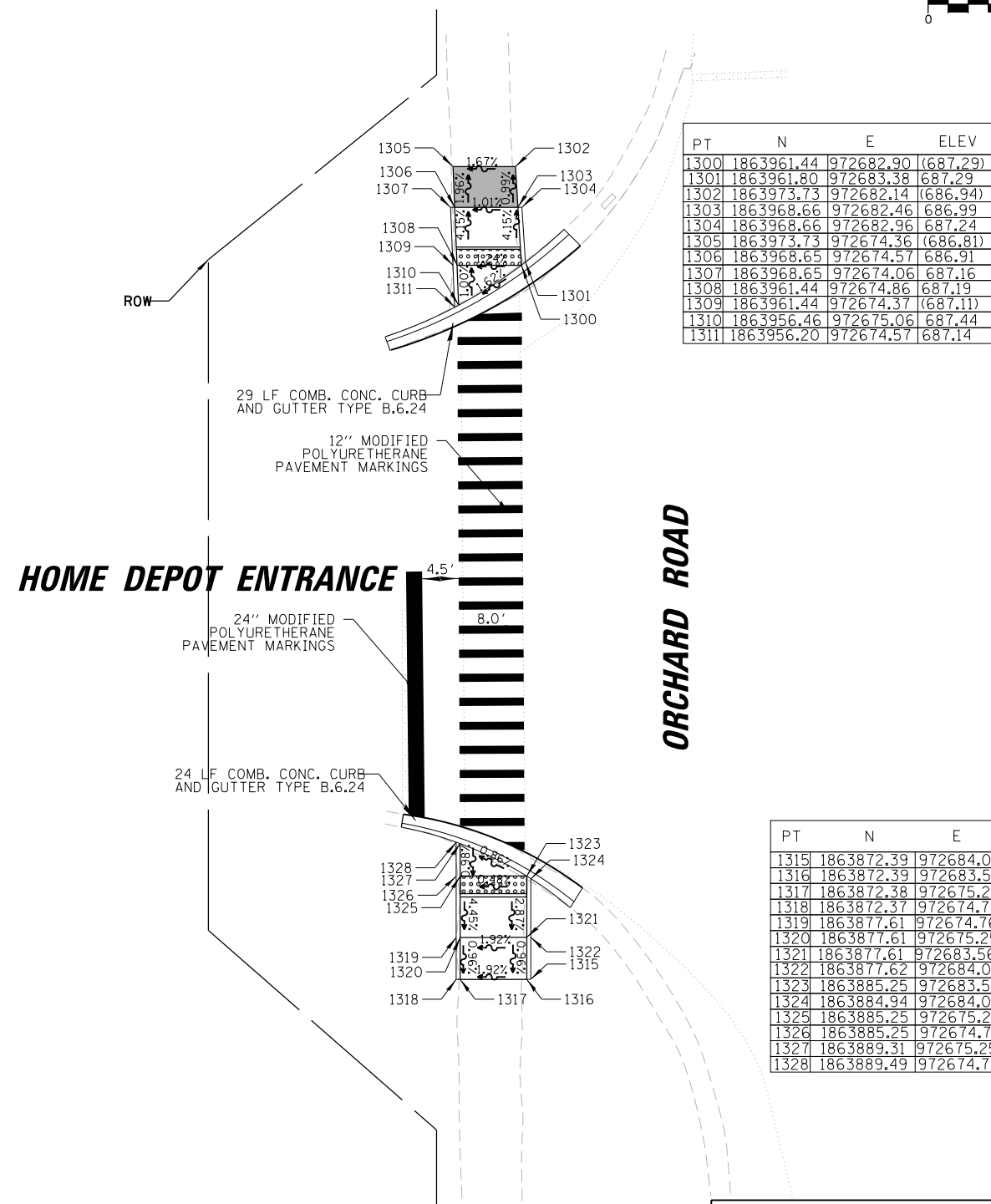
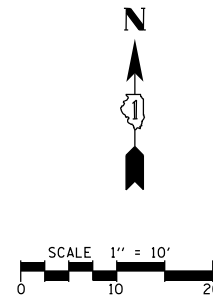
**PEDESTRIAN ACCESS ROUTE REMOVAL PLAN
ORCHARD ROAD AND WEST INDIAN TRAIL**

SCALE: 20' SHEET NO. 29 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	29
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



EXISTING CONDITIONS AND REMOVAL PLAN



PT	N	E	ELEV
1300	1863961.44	972682.90	(687.29)
1301	1863961.80	972683.38	687.29
1302	1863973.73	972682.14	(686.94)
1303	1863968.66	972682.46	686.99
1304	1863968.66	972682.96	687.24
1305	1863973.73	972674.36	(686.81)
1306	1863968.65	972674.06	686.91
1307	1863968.65	972674.06	687.16
1308	1863961.44	972674.86	687.19
1309	1863961.44	972674.37	(687.11)
1310	1863956.46	972675.06	687.44
1311	1863956.20	972674.57	687.14

PT	N	E	ELEV
1315	1863872.39	972684.07	687.06
1316	1863872.39	972683.57	(686.81)
1317	1863872.38	972675.25	(686.65)
1318	1863872.37	972674.75	686.90
1319	1863877.61	972674.76	686.95
1320	1863877.61	972675.25	686.70
1321	1863877.61	972683.56	686.86
1322	1863877.62	972684.06	687.11
1323	1863885.25	972683.56	(687.08)
1324	1863884.94	972684.06	687.33
1325	1863885.25	972675.25	687.04
1326	1863885.25	972674.75	687.29
1327	1863889.31	972675.25	(687.00)
1328	1863889.49	972674.75	687.25

LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		

PROPOSED IMPROVEMENTS

FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbeldf\Kane County\120523\PROJ\120523-07.sht		DRAWN - JEH	REVISED -
PLOT SCALE = 20'		CHECKED - LMF	REVISED -
PLOT DATE = 11/16/2018		DATE - 12/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

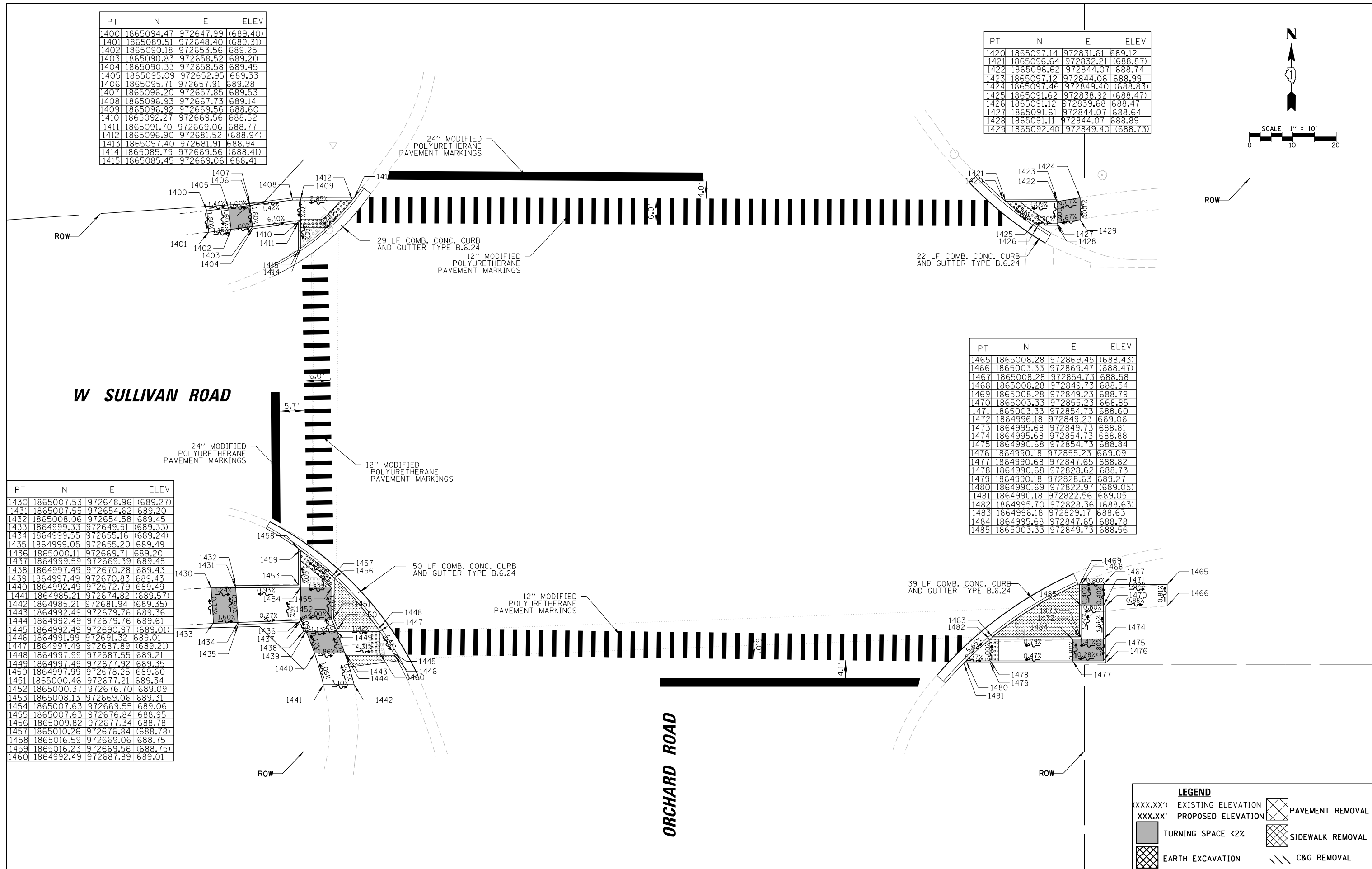
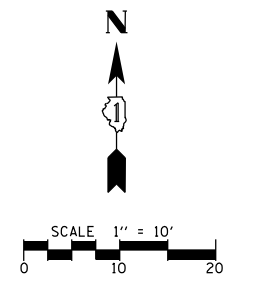
PEDESTRIAN ACCESS ROUTE REMOVAL/IMPROVEMENT PLAN
ORCHARD ROAD AND COMISKEY AVENUE

SCALE: 20' SHEET NO. 30 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	30
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

PT	N	E	ELEV
1400	1865094.47	972647.99	(689.40)
1401	1865089.51	972648.40	(689.31)
1402	1865090.18	972653.56	689.25
1403	1865090.83	972658.52	689.20
1404	1865090.33	972658.58	689.45
1405	1865095.09	972652.95	689.33
1406	1865095.71	972657.91	689.28
1407	1865096.20	972657.85	689.53
1408	1865096.93	972667.73	689.14
1409	1865096.92	972669.56	688.60
1410	1865092.27	972669.56	688.52
1411	1865091.70	972669.06	688.77
1412	1865096.90	972681.52	(688.94)
1413	1865097.40	972681.91	688.94
1414	1865085.79	972669.56	(688.41)
1415	1865085.45	972669.06	688.41

PT	N	E	ELEV
1420	1865097.14	972831.61	689.12
1421	1865096.64	972832.21	(688.87)
1422	1865096.62	972844.07	688.74
1423	1865097.12	972844.06	688.99
1424	1865097.46	972849.40	(688.83)
1425	1865091.62	972838.92	(688.47)
1426	1865091.12	972839.68	688.47
1427	1865091.61	972844.07	688.64
1428	1865091.11	972844.07	688.89
1429	1865092.40	972849.40	(688.73)



PT	N	E	ELEV
1430	1865007.53	972648.96	(689.27)
1431	1865007.55	972654.62	689.20
1432	1865008.06	972654.58	689.45
1433	1864999.33	972649.51	(689.33)
1434	1864999.55	972655.16	(689.24)
1435	1864999.05	972655.20	689.49
1436	1865000.11	972669.71	689.20
1437	1864999.59	972669.39	689.45
1438	1864997.49	972670.28	689.43
1439	1864997.49	972670.83	689.43
1440	1864992.49	972672.79	689.49
1441	1864985.21	972674.82	(689.57)
1442	1864985.21	972681.94	(689.35)
1443	1864992.49	972679.76	689.36
1444	1864992.49	972679.76	689.61
1445	1864992.49	972690.97	(689.01)
1446	1864991.99	972691.32	689.01
1447	1864997.49	972687.89	(689.21)
1448	1864997.99	972687.55	689.21
1449	1864997.49	972677.92	689.35
1450	1864997.99	972678.25	689.60
1451	1865000.46	972677.21	689.34
1452	1865000.37	972676.70	689.09
1453	1865008.13	972669.06	689.31
1454	1865007.63	972669.55	689.06
1455	1865007.63	972676.84	688.95
1456	1865009.82	972677.34	688.78
1457	1865010.26	972676.84	(688.78)
1458	1865016.59	972669.06	688.75
1459	1865016.23	972669.56	(688.75)
1460	1864992.49	972687.89	689.01

PT	N	E	ELEV
1465	1865008.28	972869.45	(688.43)
1466	1865003.33	972869.47	(688.47)
1467	1865008.28	972854.73	688.58
1468	1865008.28	972849.73	688.54
1469	1865008.28	972849.23	688.79
1470	1865003.33	972855.23	668.85
1471	1865003.33	972854.73	688.60
1472	1864996.18	972849.23	669.06
1473	1864995.68	972849.73	688.81
1474	1864995.68	972854.73	688.88
1475	1864990.68	972854.73	688.84
1476	1864990.18	972855.23	669.09
1477	1864990.68	972847.65	688.82
1478	1864990.68	972828.62	688.73
1479	1864990.18	972828.63	689.27
1480	1864990.69	972822.97	(689.05)
1481	1864990.18	972822.56	689.05
1482	1864995.70	972828.36	(688.63)
1483	1864996.18	972829.17	688.63
1484	1864995.68	972847.65	688.78
1485	1865003.33	972849.73	688.56

FILE NAME = \\CBBELSRV1\cbbel\df\t\Kane County\120523-08.sht	USER NAME = fbariso	DESIGNED - JEH	REVISED -
PLOT SCALE = 20'	PLOT DATE = 11/16/2018	DRAWN - JEH	REVISED -
		CHECKED - LMF	REVISED -
		DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PEDESTRIAN ACCESS ROUTE IMPROVEMENT PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ORCHARD ROAD AND WEST SULLIVAN ROAD		VARIOUS	12-00424-00-SP	KANE	171	31
SCALE: 20'	SHEET NO. 31 OF 171 SHEETS	STA.	TO STA.		CONTRACT NO.	
ILLINOIS FED. AID PROJECT						

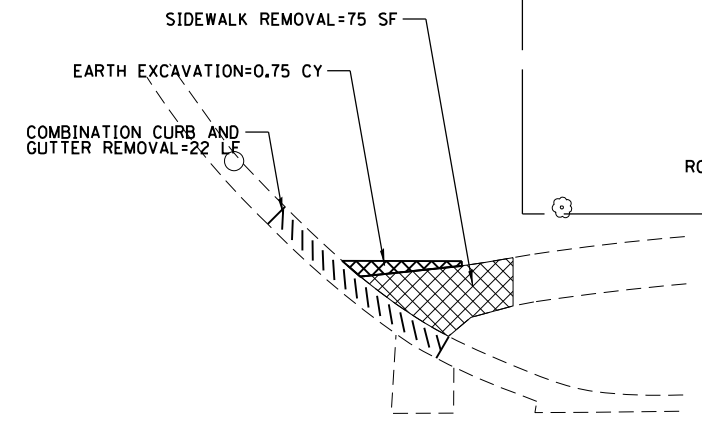
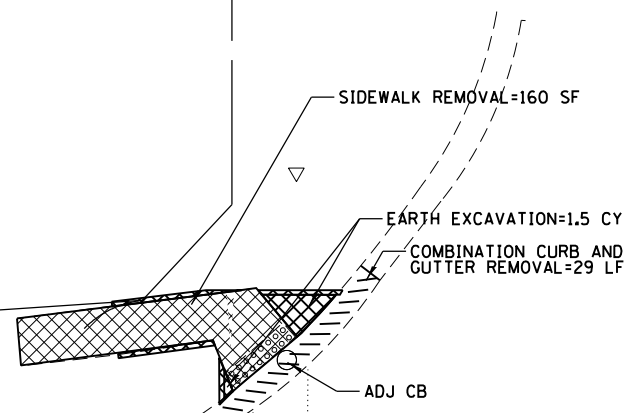


SCALE 1" = 10'

ROW

W SULLIVAN ROAD

ORCHARD ROAD



PAVEMENT MARKING
REMOVAL=150 SF

PAVEMENT REMOVAL=35 SY

EARTH EXCAVATION=1 CY

COMBINATION CURB AND
GUTTER REMOVAL=50 LF

PAVEMENT MARKING
REMOVAL=280 SF

SIDEWALK REMOVAL=105 SF

COMBINATION CURB AND
GUTTER REMOVAL=39 LF

EARTH EXCAVATION=8 CY

SIDEWALK REMOVAL=250 SF

LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		

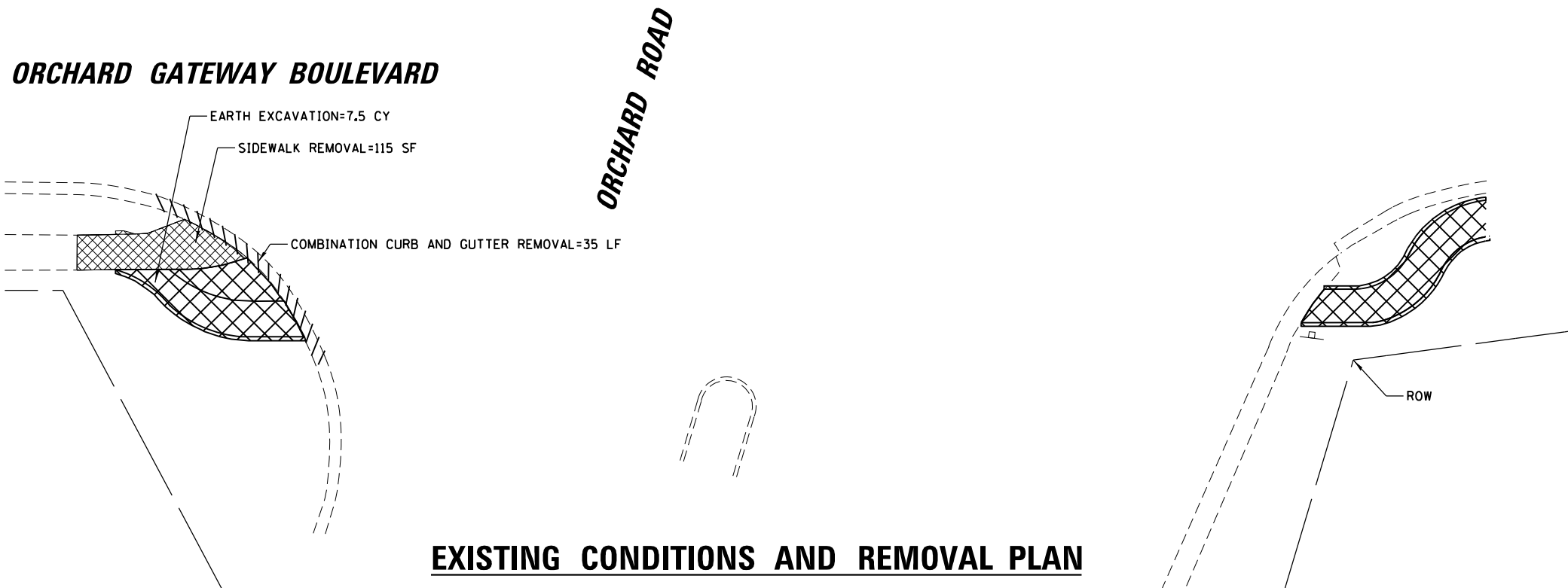
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbeldf\Kane County\120523\Civil\REM\120523-08.sht		DRAWN - JEH	REVISED -
PLOT SCALE = 20'		CHECKED - LMF	REVISED -
PLOT DATE = 11/16/2018		DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

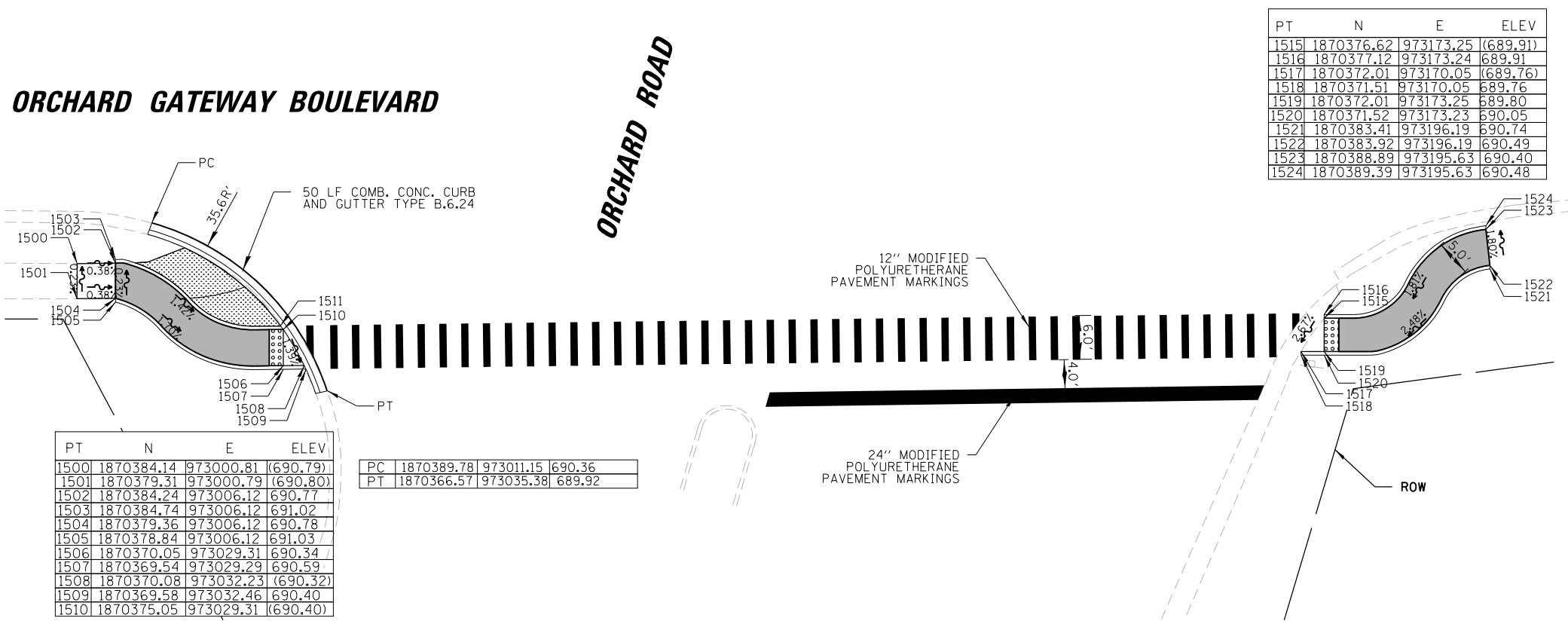
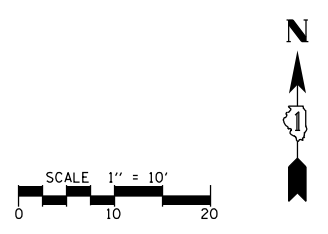
**PEDESTRIAN ACCESS ROUTE REMOVAL PLAN
ORCHARD ROAD AND WEST SULLIVAN ROAD**

SCALE: 20' SHEET NO. 32 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	32
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



EXISTING CONDITIONS AND REMOVAL PLAN

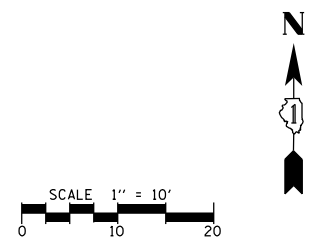


PT	N	E	ELEV
1515	1870376.62	973173.25	689.91
1516	1870377.12	973173.24	689.91
1517	1870372.01	973170.05	689.76
1518	1870371.51	973170.05	689.76
1519	1870372.01	973173.25	689.80
1520	1870371.52	973173.23	690.05
1521	1870383.41	973196.19	690.74
1522	1870383.92	973196.19	690.49
1523	1870388.89	973195.63	690.40
1524	1870389.39	973195.63	690.48

PT	N	E	ELEV
1500	1870384.14	973000.81	690.79
1501	1870379.31	973000.79	690.80
1502	1870384.24	973006.12	690.77
1503	1870384.74	973006.12	691.02
1504	1870379.36	973006.12	690.78
1505	1870378.84	973006.12	691.03
1506	1870370.05	973029.31	690.34
1507	1870369.54	973029.29	690.59
1508	1870370.08	973032.23	690.32
1509	1870369.58	973032.46	690.40
1510	1870375.05	973029.31	690.40

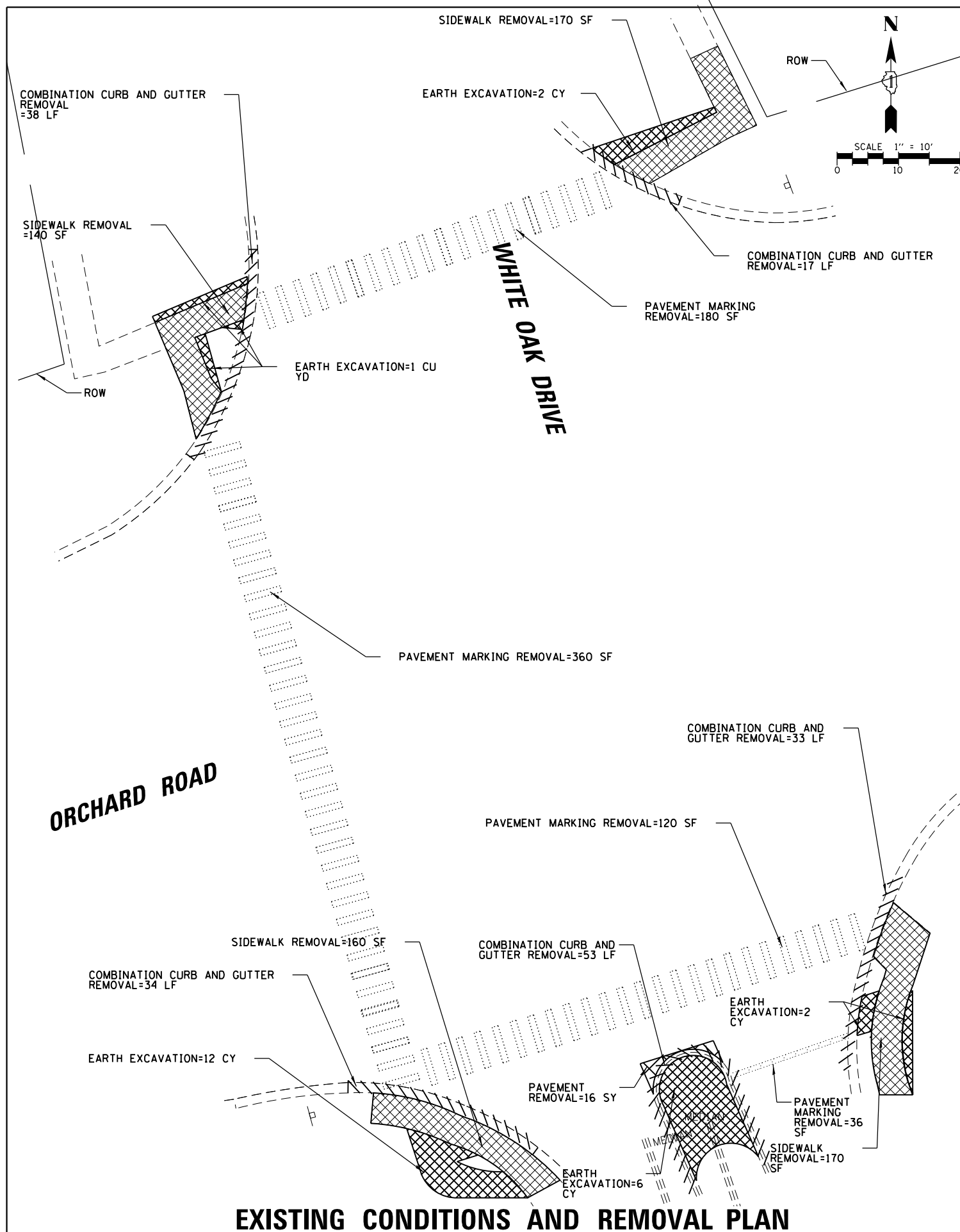
PC	1870389.78	973011.15	690.36
PT	1870366.57	973035.38	689.92

PROPOSED IMPROVEMENTS

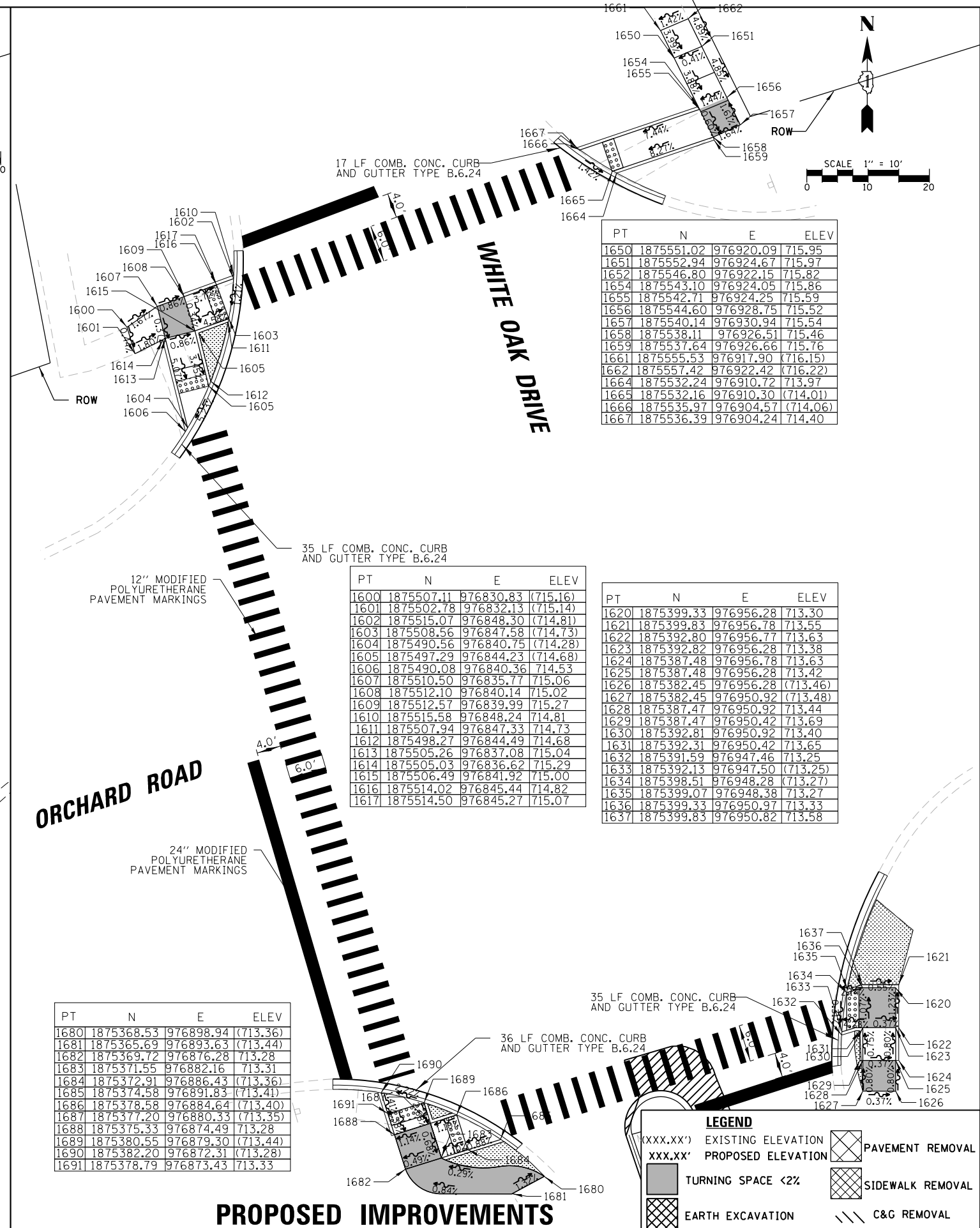


LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		C&G REMOVAL
	EARTH EXCAVATION		



EXISTING CONDITIONS AND REMOVAL PLAN



PROPOSED IMPROVEMENTS

FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbel\df\t\Kane County\120523\10.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 28'	CHECKED - LMF	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN ACCESS ROUTE REMOVAL /IMPROVEMENT PLAN
ORCHARD ROAD AND WHITE OAK DRIVE

SCALE: 28' SHEET NO. 34 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	34
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

PT	N	E	ELEV
1650	1875551.02	976920.09	715.95
1651	1875552.94	976924.67	715.97
1652	1875546.80	976922.15	715.82
1654	1875543.10	976924.05	715.86
1655	1875542.71	976924.25	715.59
1656	1875544.60	976928.75	715.52
1657	1875540.14	976930.94	715.54
1658	1875538.11	976926.51	715.46
1659	1875537.64	976926.66	715.76
1661	1875555.53	976917.90	716.15
1662	1875557.42	976922.42	716.22
1664	1875532.24	976910.72	713.97
1665	1875532.16	976910.30	714.01
1666	1875535.97	976904.57	714.06
1667	1875536.39	976904.24	714.40

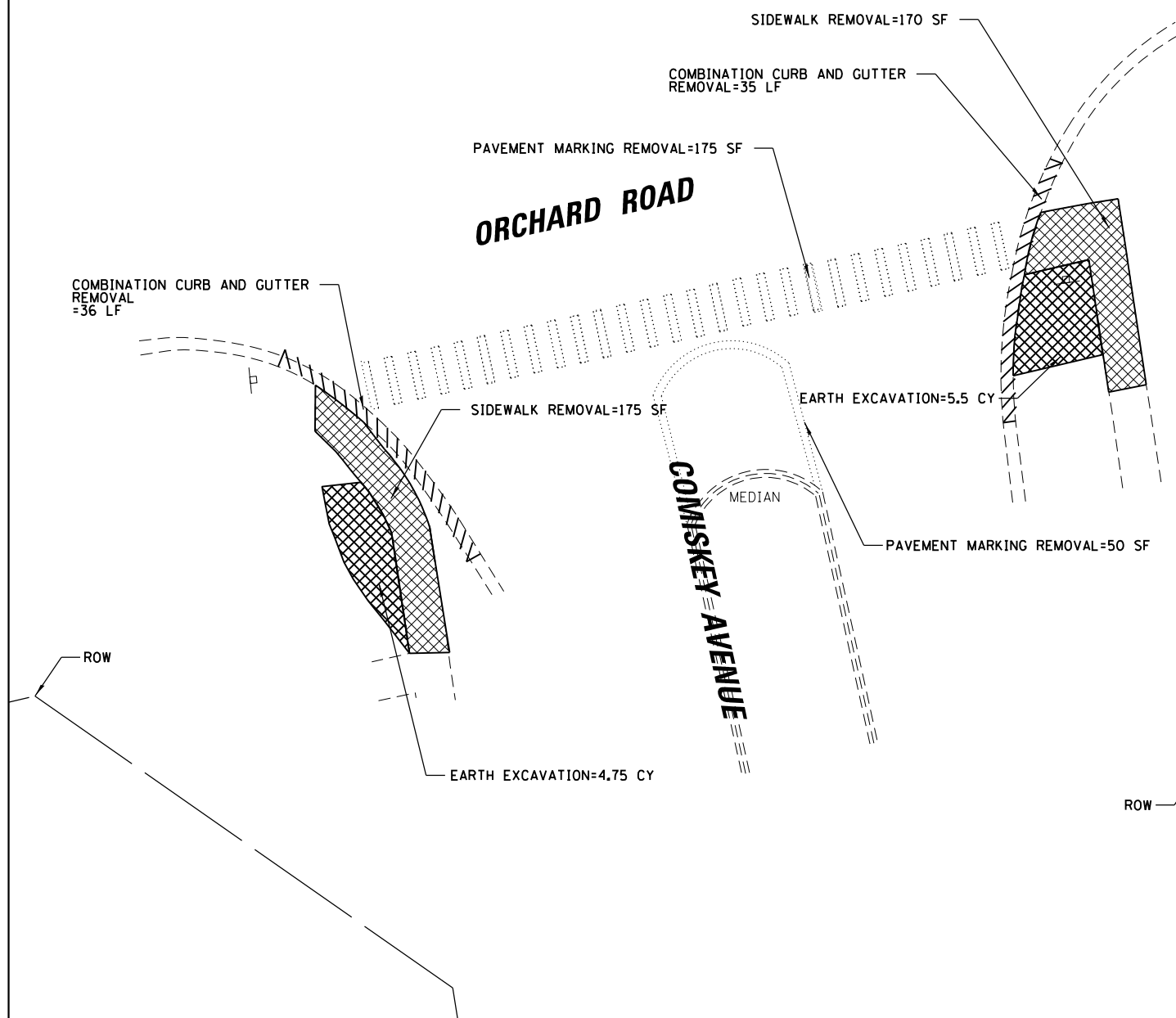
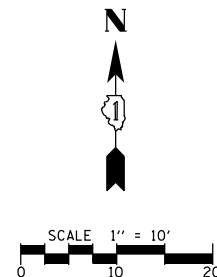
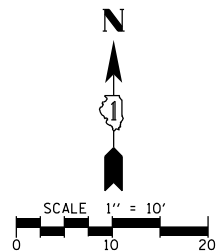
PT	N	E	ELEV
1600	1875507.11	976830.83	715.16
1601	1875502.78	976832.13	715.14
1602	1875515.07	976848.30	714.81
1603	1875508.56	976847.58	714.73
1604	1875490.56	976840.75	714.28
1605	1875497.29	976844.23	714.68
1606	1875490.08	976840.36	714.53
1607	1875510.50	976835.77	715.06
1608	1875512.10	976840.14	715.02
1609	1875512.57	976839.99	715.27
1610	1875515.58	976848.24	714.81
1611	1875507.94	976847.33	714.73
1612	1875498.27	976844.49	714.68
1613	1875505.26	976837.08	715.04
1614	1875505.03	976836.62	715.29
1615	1875506.49	976841.92	715.00
1616	1875514.02	976845.44	714.82
1617	1875514.50	976845.27	715.07

PT	N	E	ELEV
1620	1875399.33	976956.28	713.30
1621	1875399.83	976956.78	713.55
1622	1875392.80	976956.77	713.63
1623	1875392.82	976956.28	713.38
1624	1875387.48	976956.78	713.63
1625	1875387.48	976956.28	713.42
1626	1875382.45	976956.28	713.46
1627	1875382.45	976950.92	713.48
1628	1875387.47	976950.92	713.44
1629	1875387.47	976950.42	713.69
1630	1875392.81	976950.92	713.40
1631	1875392.31	976950.42	713.65
1632	1875391.59	976947.46	713.25
1633	1875392.13	976947.50	713.25
1634	1875398.51	976948.28	713.27
1635	1875399.07	976948.38	713.27
1636	1875399.33	976950.97	713.33
1637	1875399.83	976950.82	713.58

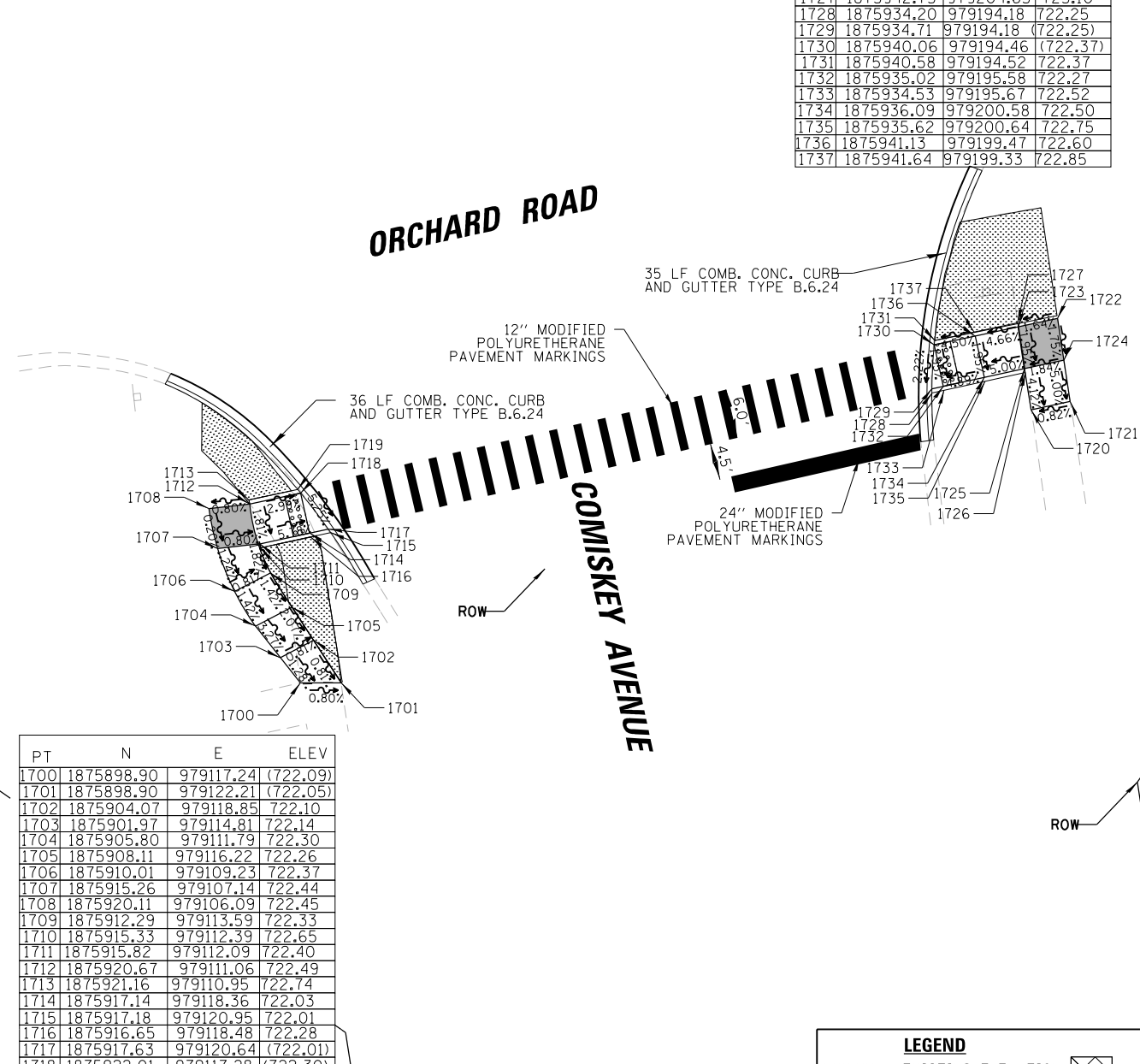
PT	N	E	ELEV
1680	1875368.53	976898.94	713.36
1681	1875365.69	976893.63	713.44
1682	1875369.72	976876.28	713.28
1683	1875371.55	976882.16	713.31
1684	1875372.91	976886.43	713.36
1685	1875374.58	976891.83	713.41
1686	1875378.58	976884.64	713.40
1687	1875377.20	976880.33	713.35
1688	1875375.33	976874.49	713.28
1689	1875380.55	976879.30	713.44
1690	1875382.20	976872.31	713.28
1691	1875378.79	976873.43	713.33

LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		EARTH EXCAVATION
	C&G REMOVAL		



EXISTING CONDITIONS AND REMOVAL PLAN



PROPOSED IMPROVEMENTS

PT	N	E	ELEV
1720	1875932.14	979206.27	(722.54)
1721	1875933.16	979211.02	(722.58)
1722	1875943.29	979209.49	(722.93)
1723	1875942.26	979204.71	(722.85)
1724	1875938.21	979210.26	722.84
1725	1875937.18	979205.47	722.75
1726	1875936.68	979205.55	723.00
1727	1875942.75	979204.63	723.10
1728	1875934.20	979194.18	722.25
1729	1875934.71	979194.18	(722.25)
1730	1875940.06	979194.46	(722.37)
1731	1875940.58	979194.52	722.37
1732	1875935.02	979195.58	722.27
1733	1875934.53	979195.67	722.52
1734	1875936.09	979200.58	722.50
1735	1875935.62	979200.64	722.75
1736	1875941.13	979199.47	722.60
1737	1875941.64	979199.33	722.85

PT	N	E	ELEV
1700	1875898.90	979117.24	(722.09)
1701	1875898.90	979122.21	(722.05)
1702	1875904.07	979118.85	722.10
1703	1875901.97	979114.81	722.14
1704	1875905.80	979111.79	722.30
1705	1875908.11	979116.22	722.26
1706	1875910.01	979109.23	722.37
1707	1875915.26	979107.14	722.44
1708	1875920.11	979106.09	722.45
1709	1875912.29	979113.59	722.33
1710	1875915.33	979112.39	722.65
1711	1875915.82	979112.09	722.40
1712	1875920.67	979111.06	722.49
1713	1875921.16	979110.95	722.74
1714	1875917.14	979118.36	722.03
1715	1875917.18	979120.95	722.01
1716	1875916.65	979118.48	722.28
1717	1875917.63	979120.64	(722.01)
1718	1875922.01	979117.28	(722.30)
1719	1875922.45	979116.92	722.30

LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <2%		EARTH EXCAVATION
			C&G REMOVAL

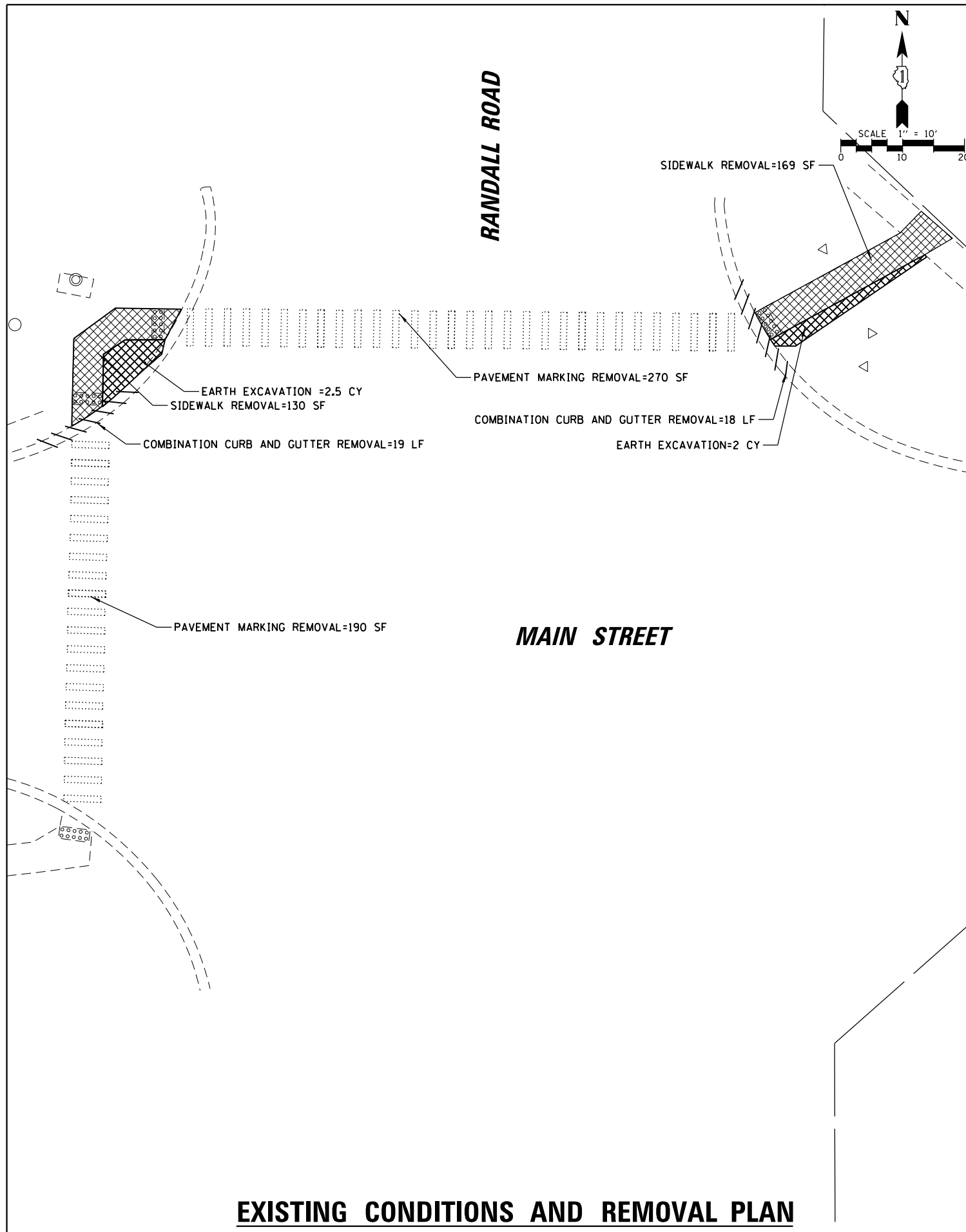
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbel\df\t\Kane County\120523\11.sht	3\Civil\PROJ\120523-11.sht	DRAWN - JEH	REVISED -
PLOT SCALE = 28'		CHECKED - LMF	REVISED -
PLOT DATE = 11/16/2018		DATE - 12/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

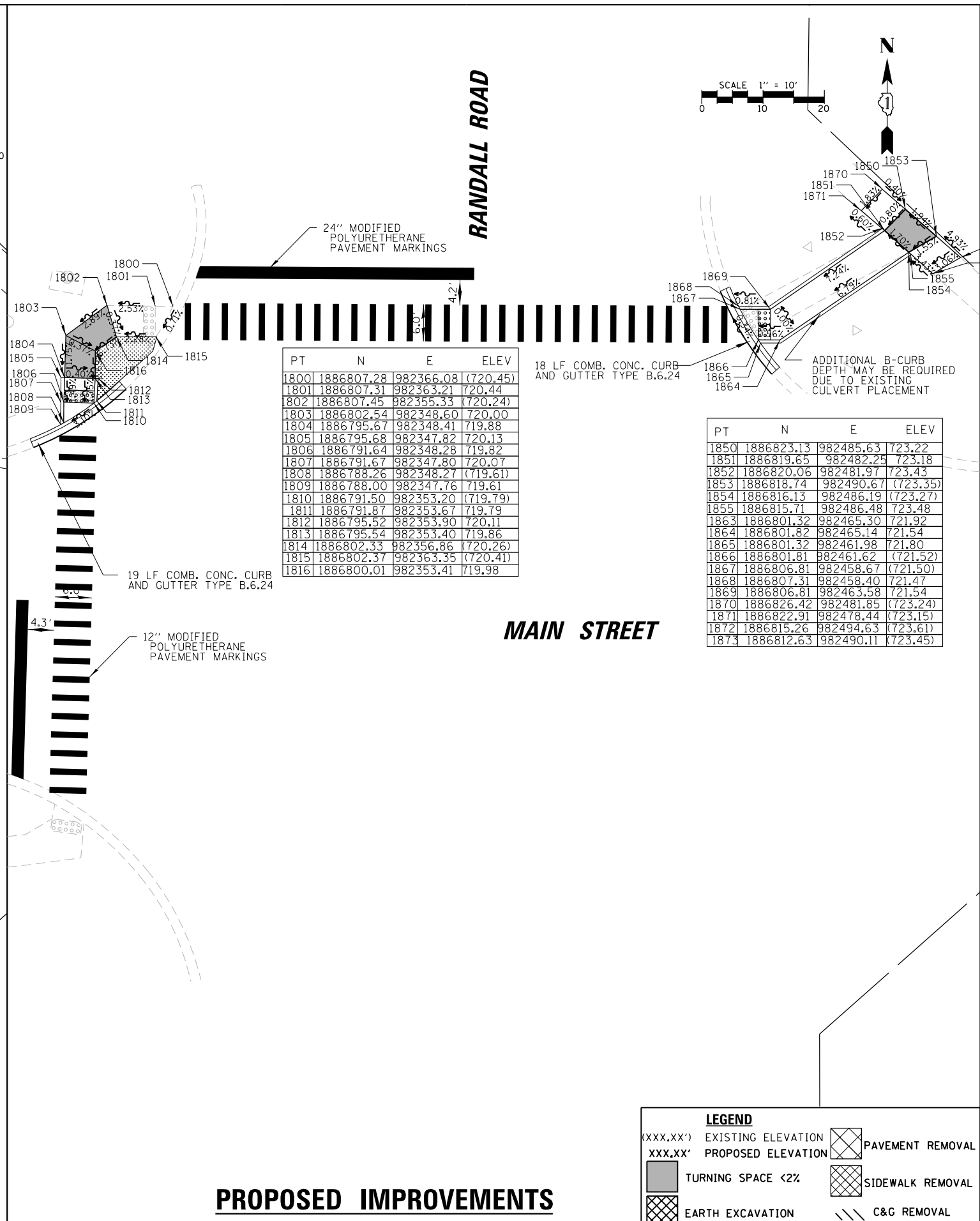
PEDESTRIAN ACCESS ROUTE REMOVAL /IMPROVEMENT PLAN
ORCHARD ROAD AND COMISKEY AVENUE

SCALE: 28' SHEET NO. 35 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	35
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



EXISTING CONDITIONS AND REMOVAL PLAN



PROPOSED IMPROVEMENTS

PT	N	E	ELEV
1800	1886807.28	982366.08	(720.45)
1801	1886807.31	982363.21	720.44
1802	1886807.45	982355.33	(720.24)
1803	1886802.54	982348.60	720.00
1804	1886795.67	982348.41	719.88
1805	1886795.68	982347.82	720.13
1806	1886791.64	982348.28	719.82
1807	1886791.67	982347.80	720.07
1808	1886788.26	982348.27	(719.61)
1809	1886788.00	982347.76	719.61
1810	1886791.50	982353.20	(719.79)
1811	1886791.87	982353.67	719.79
1812	1886795.52	982353.90	720.11
1813	1886795.54	982353.40	719.86
1814	1886802.33	982356.86	(720.26)
1815	1886802.37	982363.35	(720.41)
1816	1886800.01	982353.41	719.98

PT	N	E	ELEV
1850	1886823.13	982485.63	723.22
1851	1886819.65	982482.25	723.18
1852	1886820.06	982481.97	723.43
1853	1886818.74	982490.67	(723.35)
1854	1886816.13	982486.19	(723.27)
1855	1886815.71	982486.48	723.48
1863	1886801.32	982465.30	721.92
1864	1886801.82	982465.14	721.54
1865	1886801.32	982461.98	721.80
1866	1886801.81	982461.62	(721.52)
1867	1886806.81	982458.67	(721.50)
1868	1886807.31	982458.40	721.47
1869	1886806.81	982463.58	721.54
1870	1886826.42	982481.85	(723.24)
1871	1886822.91	982478.44	(723.15)
1872	1886815.26	982494.63	(723.61)
1873	1886812.63	982490.11	(723.45)

LEGEND

(XXX.XX') EXISTING ELEVATION PAVEMENT REMOVAL

XXX.XX' PROPOSED ELEVATION SIDEWALK REMOVAL

TURNING SPACE <2% C&G REMOVAL

EARTH EXCAVATION

FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbeldf\Kane County\120523\PROJ\120523-12.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

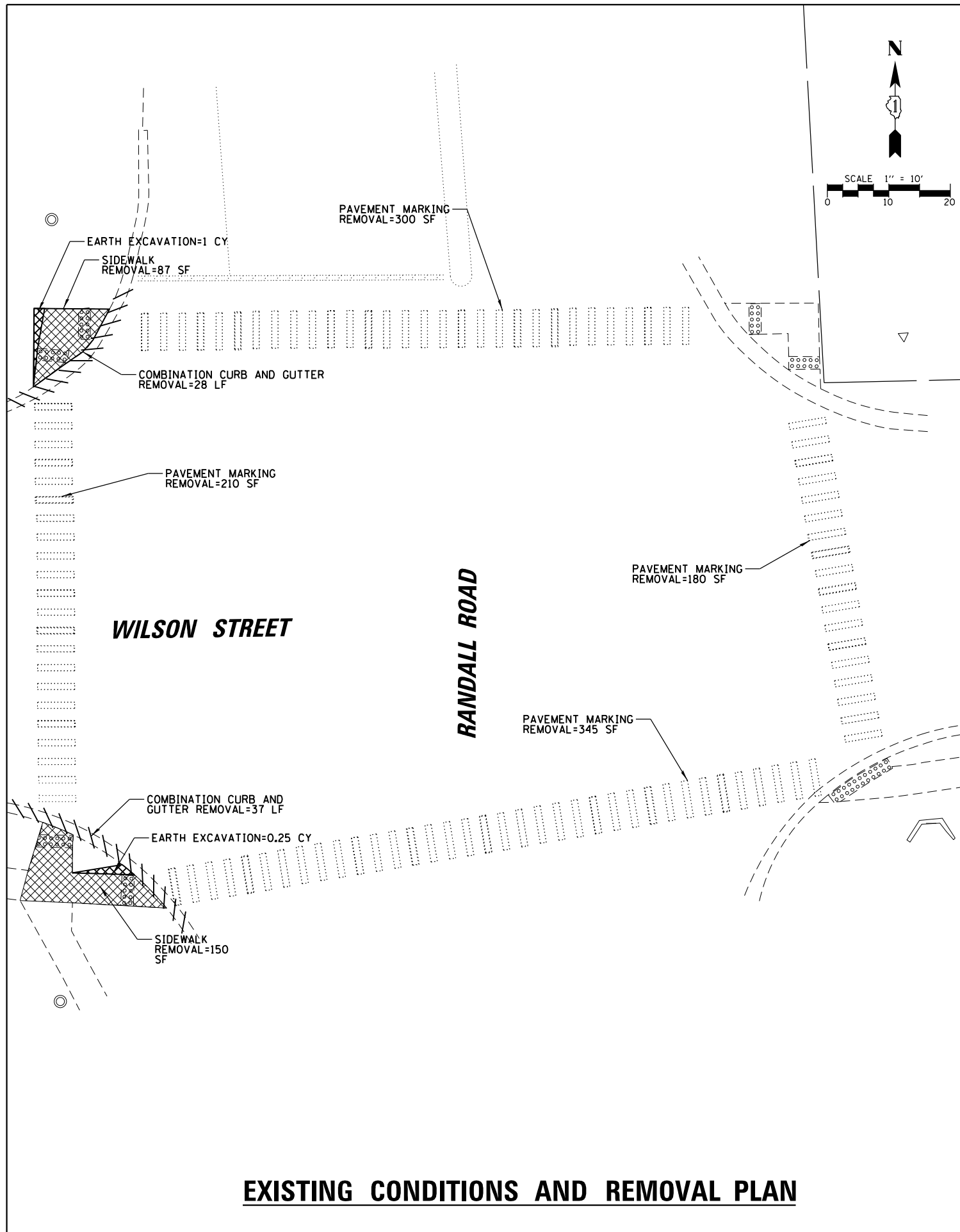
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN ACCESS ROUTE REMOVAL /IMPROVEMENT PLAN
RANDALL ROAD AND MAIN STREET

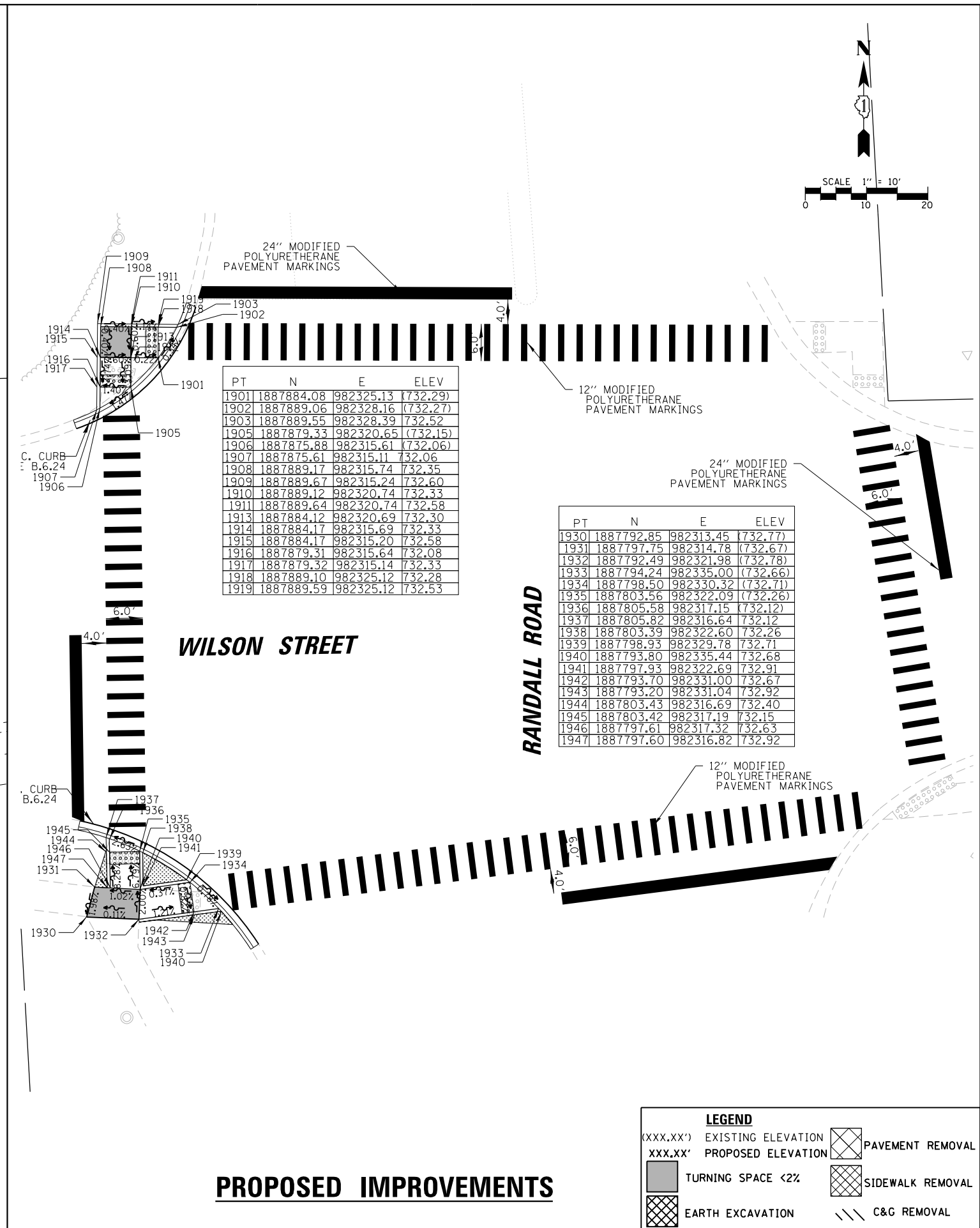
SCALE: 20' SHEET NO. 36 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	36

CONTRACT NO. ILLINOIS FED. AID PROJECT



EXISTING CONDITIONS AND REMOVAL PLAN



PROPOSED IMPROVEMENTS

PT	N	E	ELEV
1901	1887884.08	982325.13	732.29
1902	1887889.06	982328.16	732.27
1903	1887889.55	982328.39	732.52
1905	1887879.33	982320.65	732.15
1906	1887875.88	982315.61	732.06
1907	1887875.61	982315.11	732.06
1908	1887889.17	982315.74	732.35
1909	1887889.67	982315.24	732.60
1910	1887889.12	982320.74	732.33
1911	1887889.64	982320.74	732.58
1913	1887884.12	982320.69	732.30
1914	1887884.17	982315.69	732.33
1915	1887884.17	982315.20	732.58
1916	1887879.31	982315.64	732.08
1917	1887879.32	982315.14	732.33
1918	1887889.10	982325.12	732.28
1919	1887889.59	982325.12	732.53

PT	N	E	ELEV
1930	1887792.85	982313.45	732.77
1931	1887797.75	982314.78	732.67
1932	1887792.49	982321.98	732.78
1933	1887794.24	982335.00	732.66
1934	1887798.50	982330.32	732.71
1935	1887803.56	982322.09	732.26
1936	1887805.58	982317.15	732.12
1937	1887805.82	982316.64	732.12
1938	1887803.39	982322.60	732.26
1939	1887798.93	982329.78	732.71
1940	1887793.80	982335.44	732.68
1941	1887797.93	982322.69	732.91
1942	1887793.70	982331.00	732.67
1943	1887793.20	982331.04	732.92
1944	1887803.43	982316.69	732.40
1945	1887803.42	982317.19	732.15
1946	1887797.61	982317.32	732.63
1947	1887797.60	982316.82	732.92

LEGEND

(XXX.XX') EXISTING ELEVATION PAVEMENT REMOVAL

XXX.XX' PROPOSED ELEVATION SIDEWALK REMOVAL

TURNING SPACE <2% C&G REMOVAL

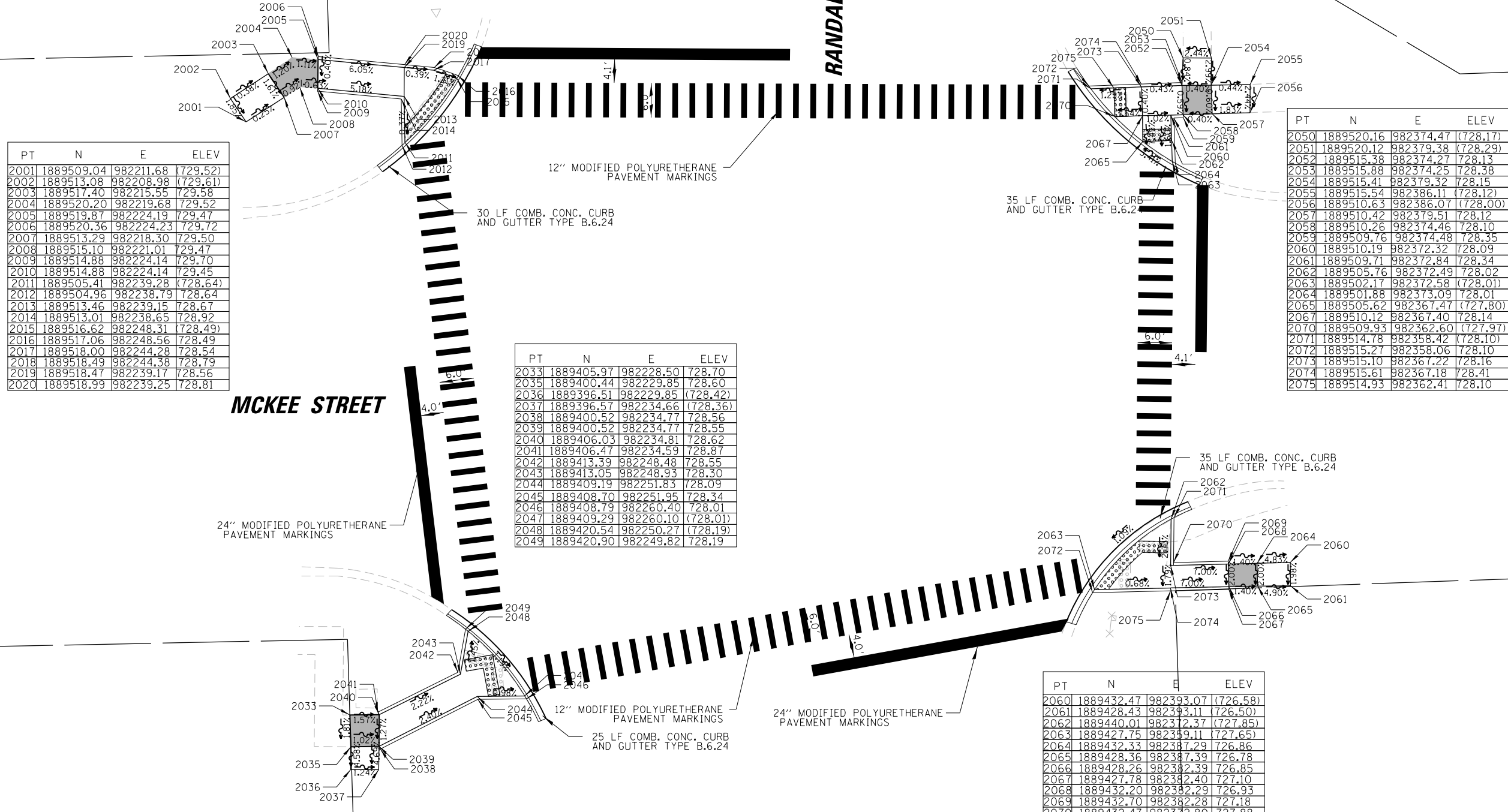
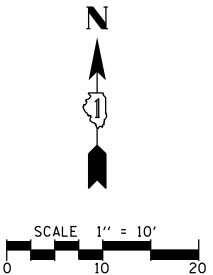
EARTH EXCAVATION

FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbel\df\t\Kane County\120523\PROJ\120523-13.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRIAN ACCESS ROUTE REMOVAL /IMPROVEMENT PLAN			
RANDALL ROAD AND WILSON STREET			
SCALE: 20'	SHEET NO. 37 OF 171 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	37
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



PT	N	E	ELEV
2001	1889509.04	982211.68	(729.52)
2002	1889513.08	982208.98	(729.61)
2003	1889517.40	982215.55	(729.58)
2004	1889520.20	982219.68	(729.52)
2005	1889519.87	982224.19	(729.47)
2006	1889520.36	982224.23	(729.72)
2007	1889513.29	982218.30	(729.50)
2008	1889515.10	982221.01	(729.47)
2009	1889514.88	982224.14	(729.70)
2010	1889514.88	982224.14	(729.45)
2011	1889505.41	982239.28	(728.64)
2012	1889504.96	982238.79	(728.64)
2013	1889513.46	982239.15	(728.67)
2014	1889513.01	982238.65	(728.92)
2015	1889516.62	982248.31	(728.49)
2016	1889517.06	982248.56	(728.49)
2017	1889518.00	982244.28	(728.54)
2018	1889518.49	982244.38	(728.79)
2019	1889518.47	982239.17	(728.56)
2020	1889518.99	982239.25	(728.81)

PT	N	E	ELEV
2033	1889405.97	982228.50	(728.70)
2035	1889400.44	982229.85	(728.60)
2036	1889396.51	982229.85	(728.42)
2037	1889396.57	982234.66	(728.36)
2038	1889400.52	982234.77	(728.56)
2039	1889400.52	982234.77	(728.55)
2040	1889406.03	982234.81	(728.62)
2041	1889406.47	982234.59	(728.87)
2042	1889413.39	982248.48	(728.55)
2043	1889413.05	982248.93	(728.30)
2044	1889409.19	982251.83	(728.09)
2045	1889408.70	982251.95	(728.34)
2046	1889408.79	982260.40	(728.01)
2047	1889409.29	982260.10	(728.01)
2048	1889420.54	982250.27	(728.19)
2049	1889420.90	982249.82	(728.19)

PT	N	E	ELEV
2050	1889520.16	982374.47	(728.17)
2051	1889520.12	982379.38	(728.29)
2052	1889515.38	982374.27	(728.13)
2053	1889515.88	982374.25	(728.38)
2054	1889515.41	982379.32	(728.15)
2055	1889515.54	982386.11	(728.12)
2056	1889510.63	982386.07	(728.00)
2057	1889510.42	982379.51	(728.12)
2058	1889510.26	982374.46	(728.10)
2059	1889509.76	982374.48	(728.35)
2060	1889510.19	982372.32	(728.09)
2061	1889509.71	982372.84	(728.34)
2062	1889505.76	982372.49	(728.02)
2063	1889502.17	982372.58	(728.01)
2064	1889501.88	982373.09	(728.01)
2065	1889505.62	982367.47	(727.80)
2067	1889510.12	982367.40	(728.14)
2070	1889509.93	982362.60	(727.97)
2071	1889514.78	982358.42	(728.10)
2072	1889515.27	982358.06	(728.10)
2073	1889515.10	982367.22	(728.16)
2074	1889515.61	982367.18	(728.41)
2075	1889514.93	982362.41	(728.10)

PT	N	E	ELEV
2060	1889432.47	982393.07	(726.58)
2061	1889428.43	982393.11	(726.50)
2062	1889440.01	982372.37	(727.85)
2063	1889427.75	982399.11	(727.65)
2064	1889432.33	982387.29	(726.86)
2065	1889428.36	982387.39	(726.78)
2066	1889428.26	982382.39	(726.85)
2067	1889427.78	982382.40	(727.10)
2068	1889432.20	982382.29	(726.93)
2069	1889432.70	982382.28	(727.18)
2070	1889432.47	982372.80	(727.88)
2071	1889440.28	982372.87	(727.85)
2072	1889427.24	982356.74	(727.65)
2073	1889431.95	982372.29	(727.63)
2074	1889428.05	982372.26	(727.56)
2075	1889427.58	982372.26	(727.81)

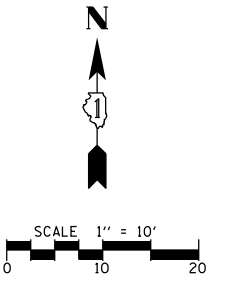
LEGEND

(XXX.XX') EXISTING ELEVATION PAVEMENT REMOVAL

XXX.XX' PROPOSED ELEVATION SIDEWALK REMOVAL

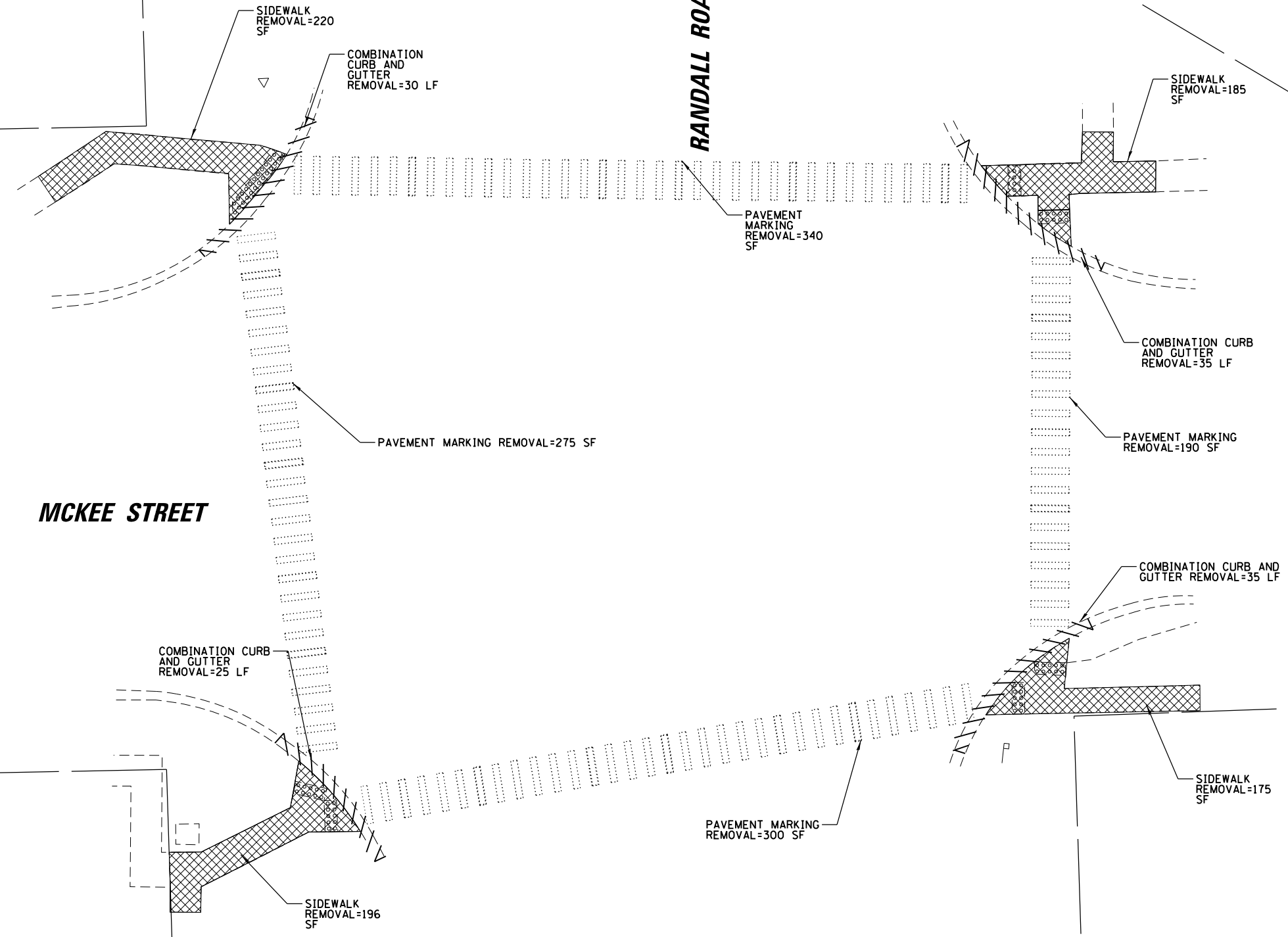
TURNING SPACE <2% EARTH EXCAVATION

C&G REMOVAL



RANDALL ROAD

MCKEE STREET



LEGEND	
(XXX.XX')	EXISTING ELEVATION
XXX.XX'	PROPOSED ELEVATION
[Hatched Box]	TURNING SPACE <2%
[Cross-hatched Box]	EARTH EXCAVATION
[Diagonal Hatched Box]	PAVEMENT REMOVAL
[Dotted Box]	SIDEWALK REMOVAL
[Wavy Line]	C&G REMOVAL

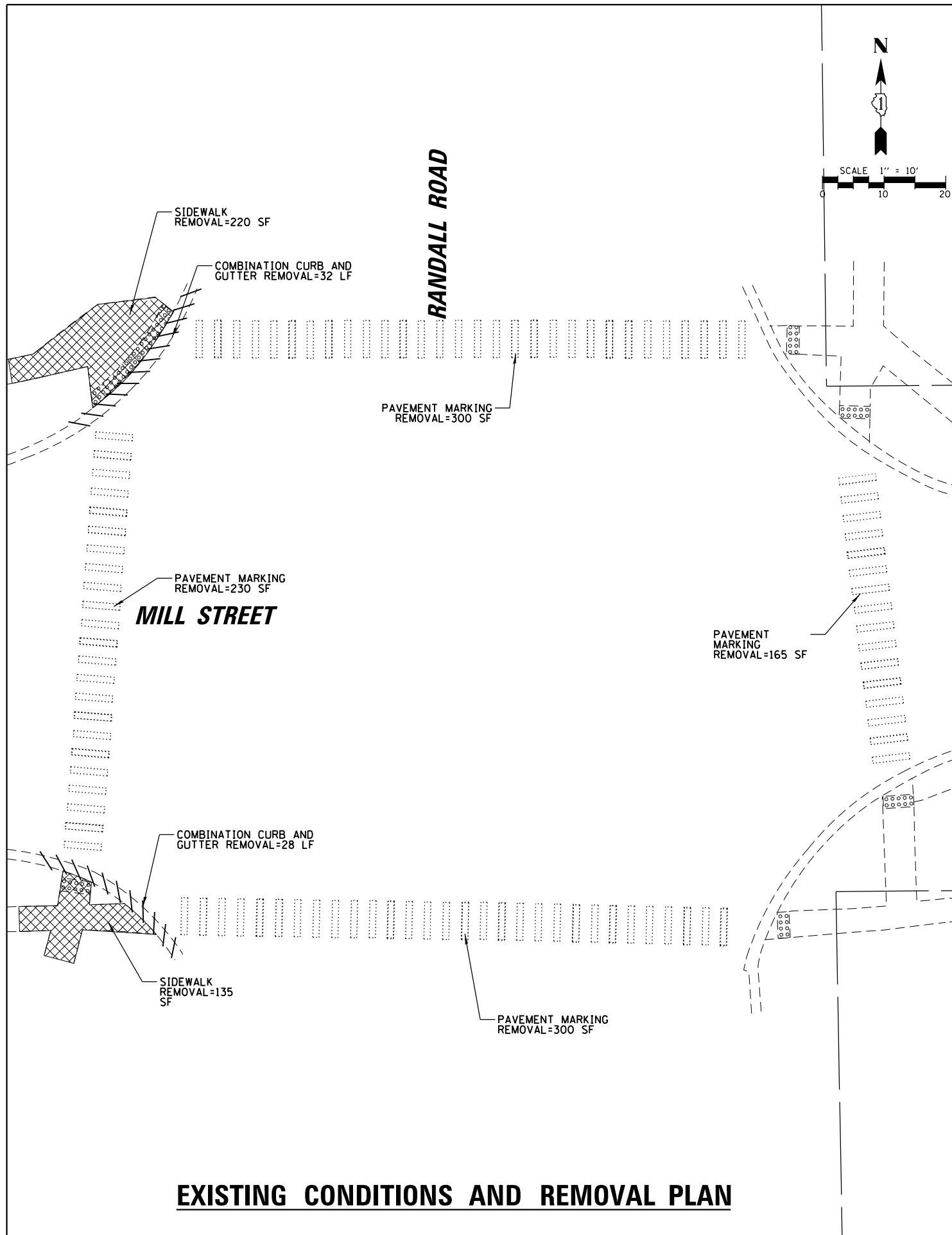
FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbel\df\t\Kane County\120523\Civil\REM\120523-14.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 11/21/2018	DATE - 12/14/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

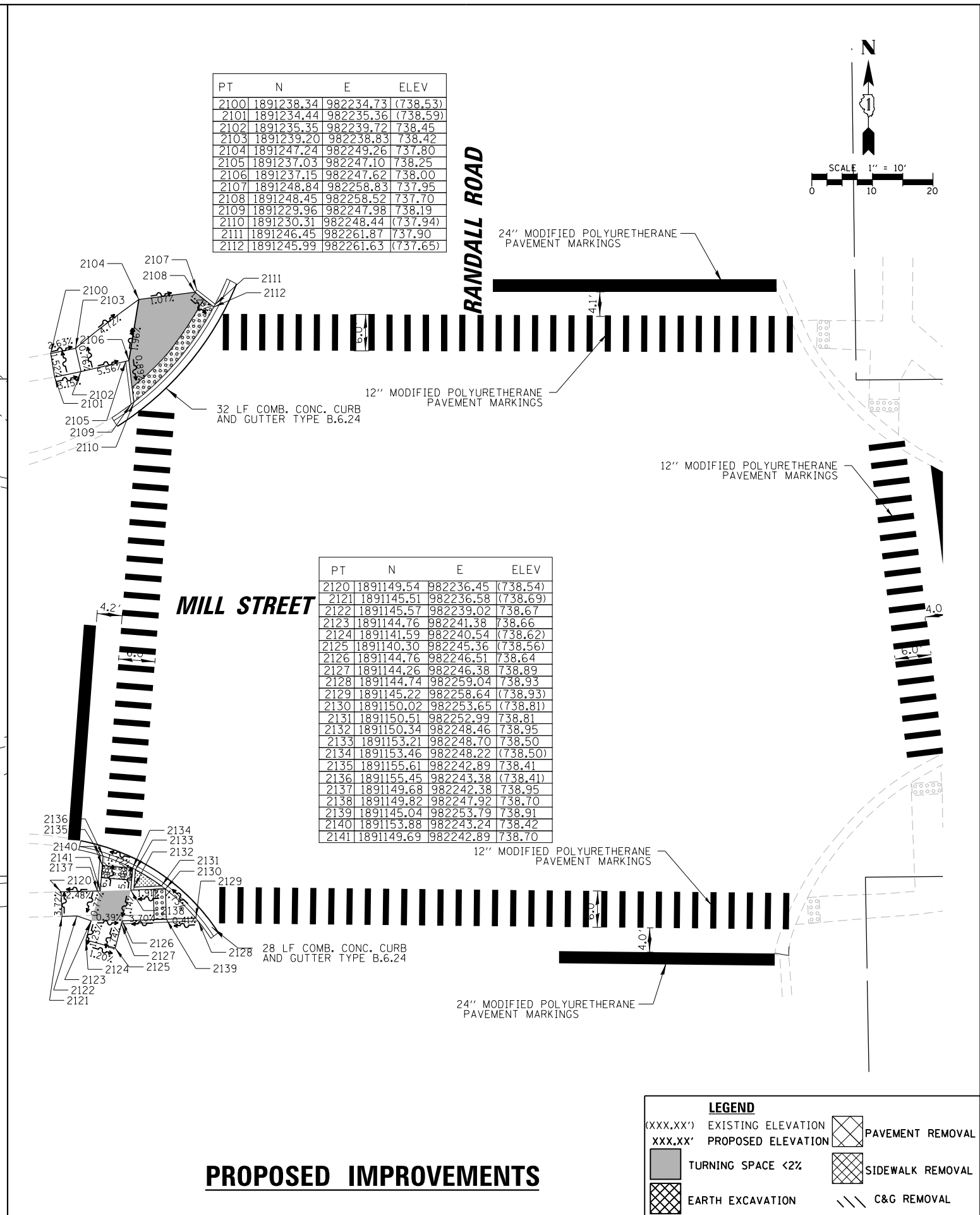
**PEDESTRIAN ACCESS ROUTE REMOVAL PLAN
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: 20' SHEET NO. 39 OF 171 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	39
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



EXISTING CONDITIONS AND REMOVAL PLAN



PROPOSED IMPROVEMENTS

PT	N	E	ELEV
2100	1891238.34	982234.73	(738.53)
2101	1891234.44	982235.36	(738.59)
2102	1891235.35	982239.72	738.45
2103	1891239.20	982238.83	738.42
2104	1891247.24	982249.26	737.80
2105	1891237.03	982247.10	738.25
2106	1891237.15	982247.62	738.00
2107	1891248.84	982258.83	737.95
2108	1891248.45	982258.52	737.70
2109	1891229.96	982247.98	738.19
2110	1891230.31	982248.44	(737.94)
2111	1891246.45	982261.87	737.90
2112	1891245.99	982261.63	(737.65)

PT	N	E	ELEV
2120	1891149.54	982236.45	(738.54)
2121	1891145.51	982236.58	(738.69)
2122	1891145.57	982239.02	738.67
2123	1891144.76	982241.38	738.66
2124	1891141.59	982240.54	(738.62)
2125	1891140.30	982245.36	(738.56)
2126	1891144.76	982246.51	738.64
2127	1891144.26	982246.38	738.89
2128	1891144.74	982259.04	738.93
2129	1891145.22	982258.64	(738.93)
2130	1891150.02	982253.65	(738.81)
2131	1891150.51	982252.99	738.81
2132	1891150.34	982248.46	738.95
2133	1891153.21	982248.70	738.50
2134	1891153.46	982248.22	(738.50)
2135	1891155.61	982242.89	738.41
2136	1891155.45	982243.38	(738.41)
2137	1891149.68	982242.38	738.95
2138	1891149.82	982247.92	738.70
2139	1891145.04	982253.79	738.91
2140	1891153.88	982243.24	738.42
2141	1891149.69	982242.89	738.70

LEGEND

(XXX.XX')	EXISTING ELEVATION		PAVEMENT REMOVAL
XXX.XX'	PROPOSED ELEVATION		SIDEWALK REMOVAL
	TURNING SPACE <math>< 2\%</math>		C&G REMOVAL
	EARTH EXCAVATION		

FILE NAME =	USER NAME = fbariso	DESIGNED - JEH	REVISED -
\\CBBELSRVRI\cbbel\df\t\Kane County\120523\PROJ\120523-15.sht		DRAWN - JEH	REVISED -
	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 11/16/2018	DATE - 12/14/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

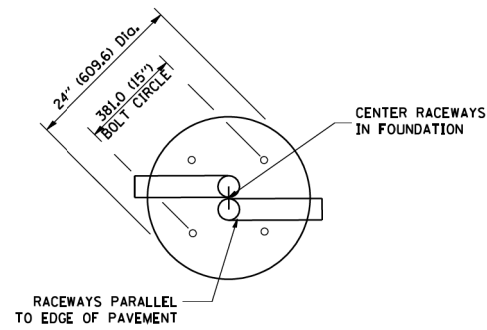
PEDESTRIAN ACCESS ROUTE REMOVAL /IMPROVEMENT PLAN
RANDALL ROAD AND MILL STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	12-00424-00-SP	KANE	171	40
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

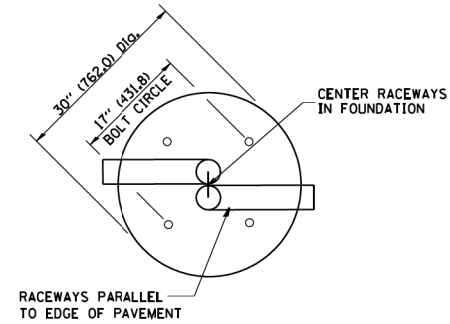
SCALE: 20' SHEET NO. 40 OF 171 SHEETS STA. TO STA.

LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY O _u = 0.375 TON/SO. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY O _u = 0.75 TON/SO.FT	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY O _u = 1.50 TON/SO. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



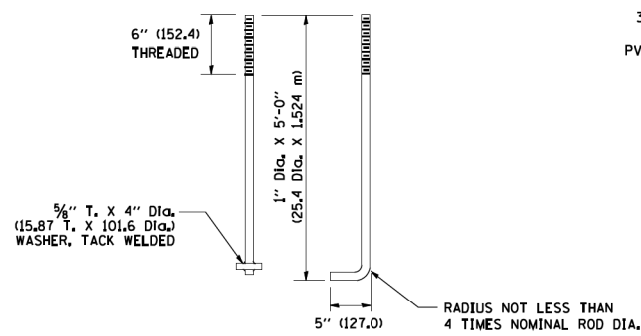
TOP VIEW



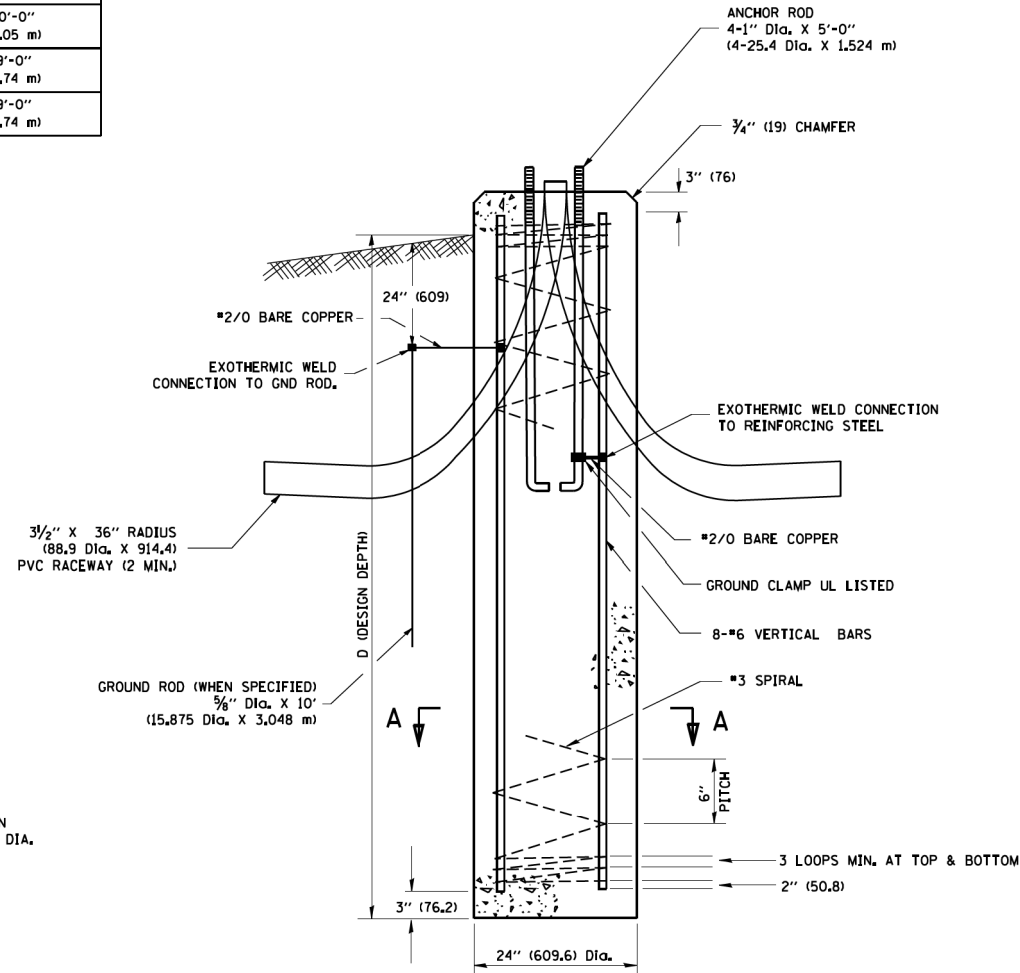
TOP VIEW

NOTES

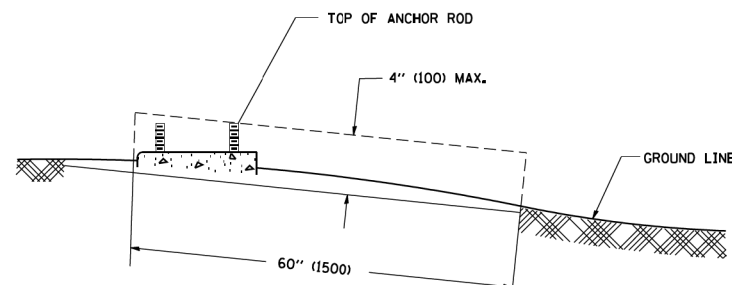
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION,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



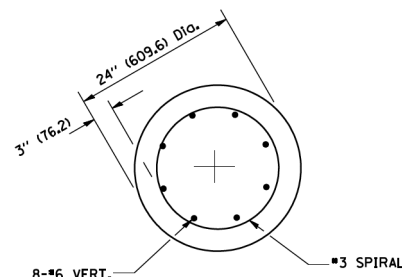
ANCHOR ROD DETAIL



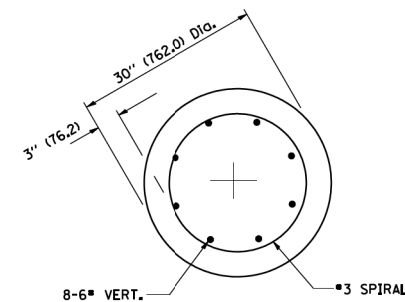
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

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								

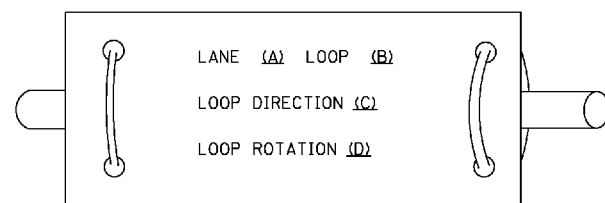
TS SHT NO.1

FILE NAME = ts05.dgn	USER NAME = luyoo	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 5/8"=1'-0"	DRAWN - IP	REVISED -			VAR.	12-00424-00-SP	KANE	171	42	
	PLOT DATE = 9/29/2016	CHECKED - LP	REVISED -			SCALE: NONE		SHEET 1 OF 7 SHEETS		STA. TO STA.	
		DATE - 9/29/2016	REVISED -			TS-05		CONTRACT NO. 61E74		ILLINOIS FED. AID PROJECT	

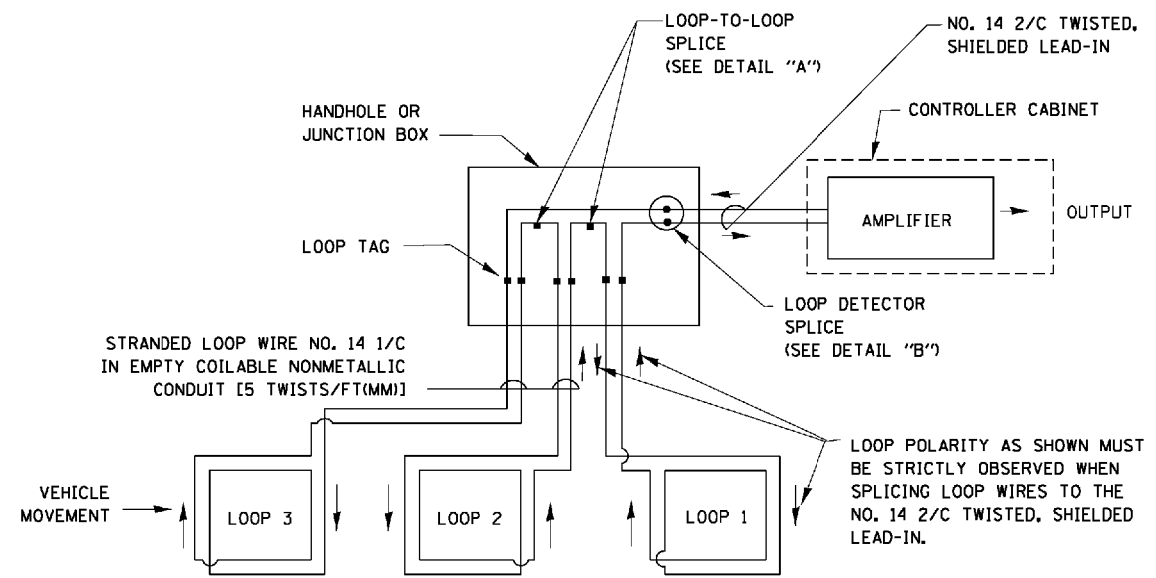
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

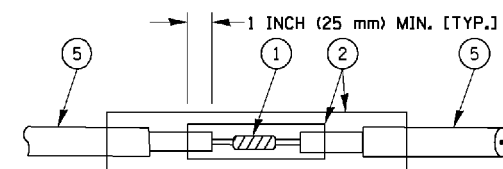


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

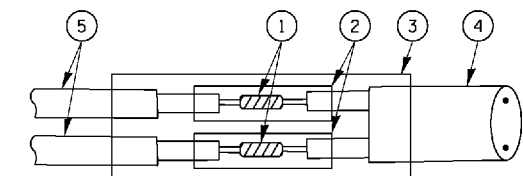


DETECTOR LOOP WIRING SCHEMATIC

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

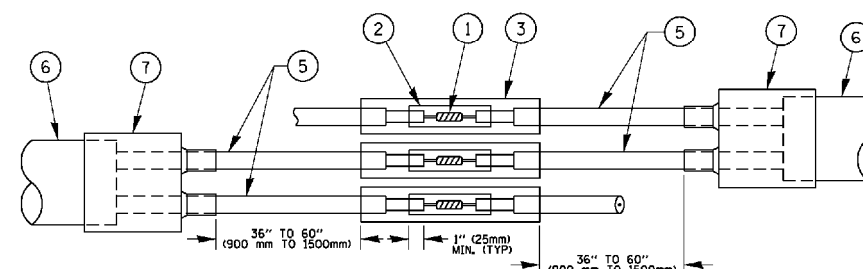


DETAIL "A"
LOOP-TO-LOOP SPLICE

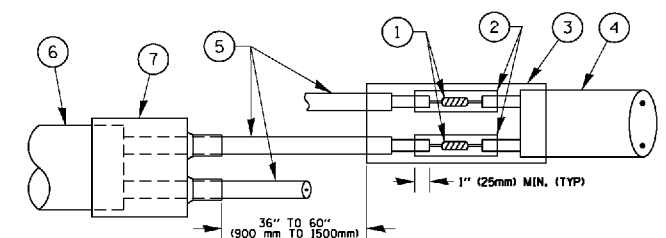


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

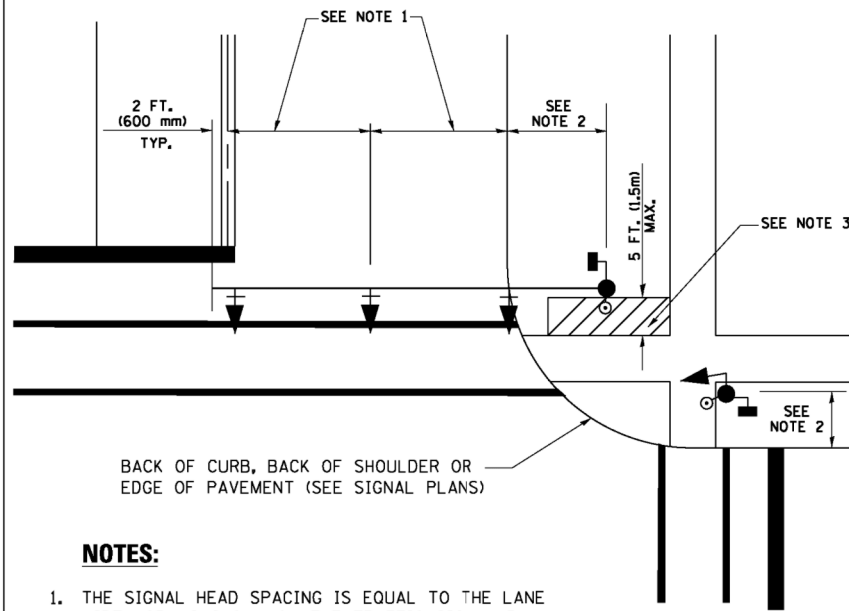
LOOP DETECTOR SPLICE

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

TS SHT NO. 2

FILE NAME =	USER NAME = faotemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwwork\pwwork\faotemj\0108315\ts05.dgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	VAR. 12-00424-00-SP	KANE	171	43
		CHECKED - DAD	REVISED -						TS-05		CONTRACT NO. 61E74	
		DATE - 10-28-09	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

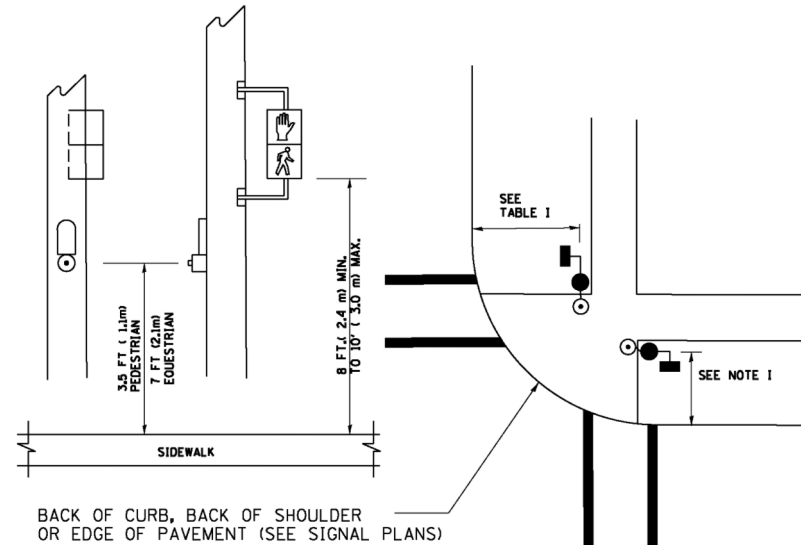
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



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."

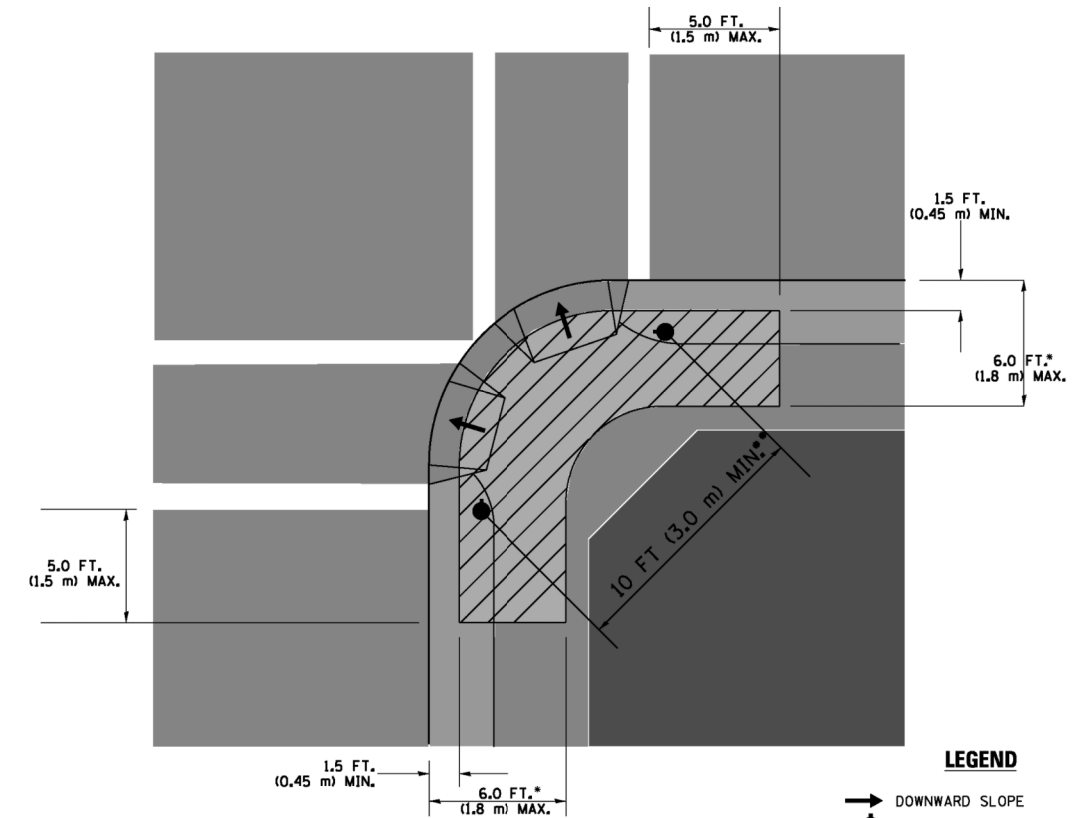
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



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

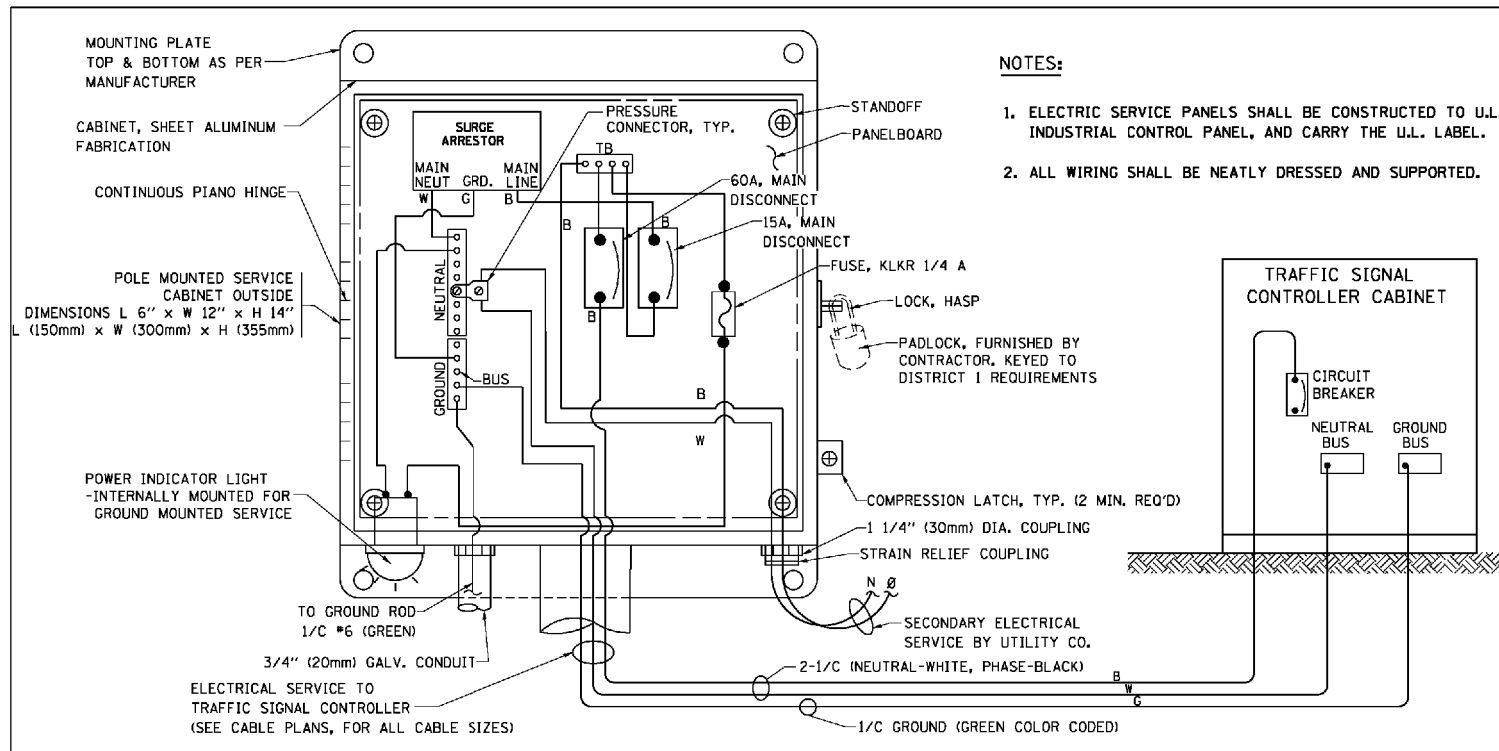
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 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:

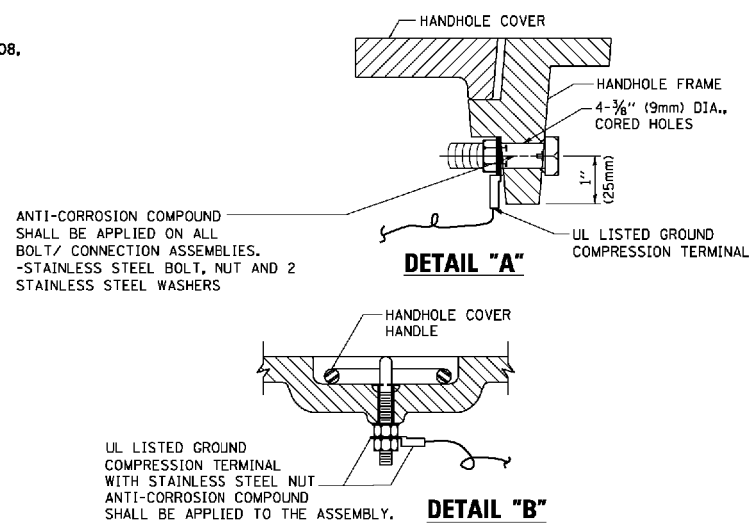
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM 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.

TS SHT NO. 3

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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\pwwork\footemj\d0108315\ts05.dgn	DRAWN - BCK	REVISED -	VAR.			12-00424-00-SP	KANE	171	44	
PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -	TS-05			CONTRACT NO. 61E74				
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
				SCALE: NONE	SHEET NO. 3 OF 7 SHEETS	STA.	TO STA.			

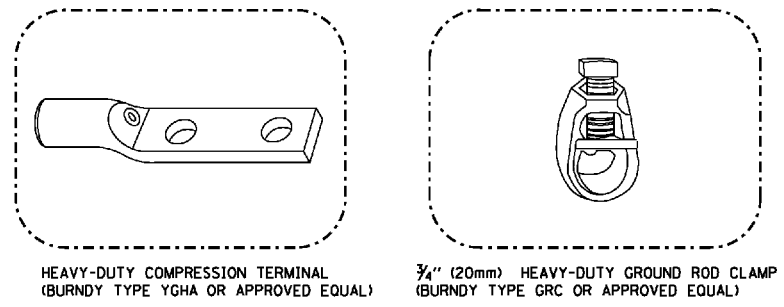
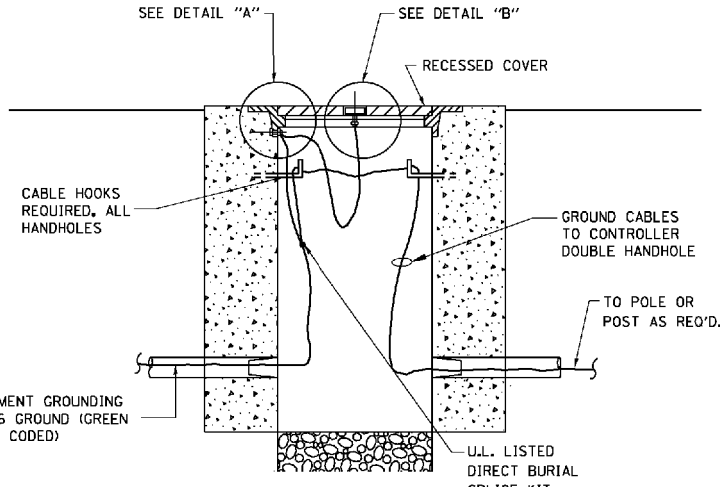


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)

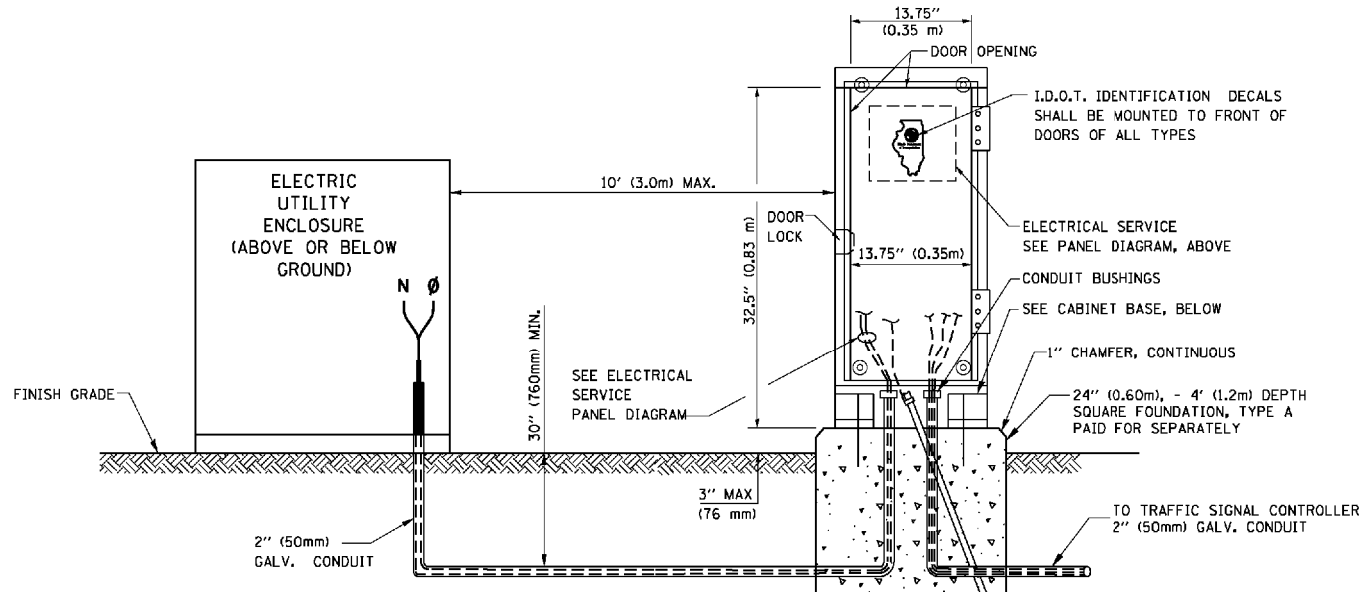
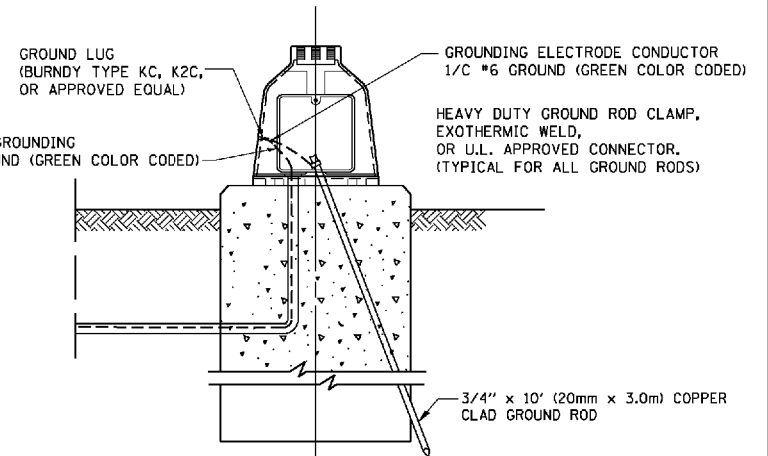
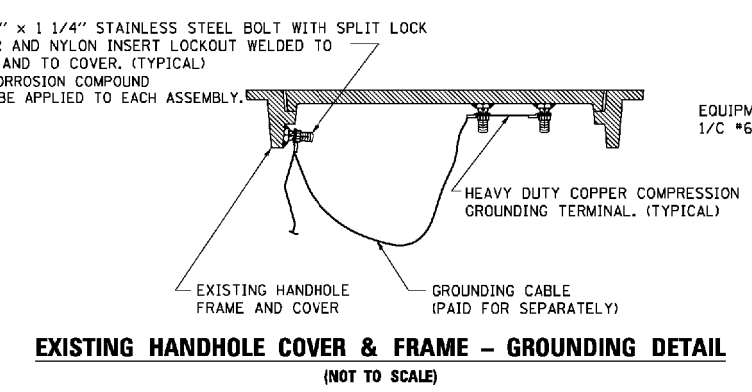


NOTES:
GROUNDING SYSTEM

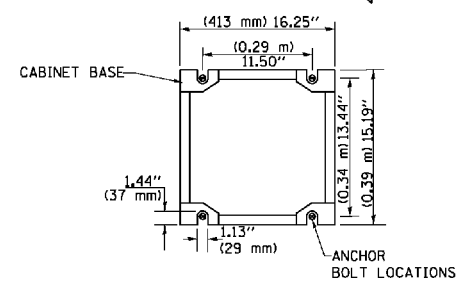
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE,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



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



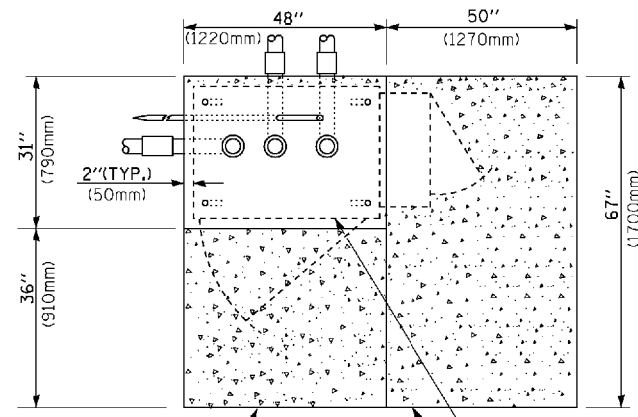
SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)



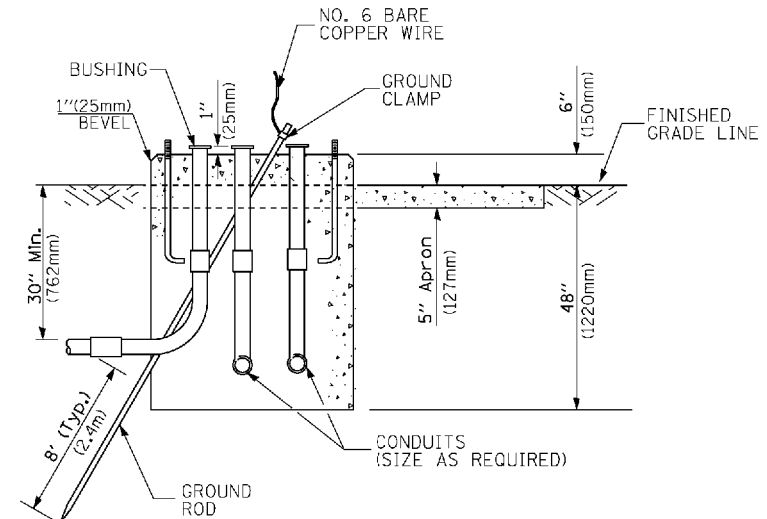
CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)

TS SHT NO. 4

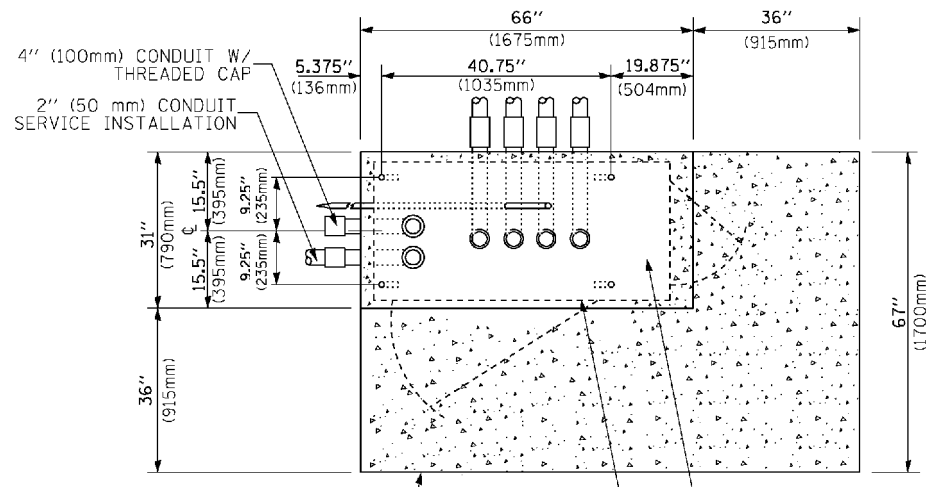
FILE NAME =	USER NAME = faotemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwwork\pwwork\faotemj\0108315\ts05.dgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 4	OF 7 SHEETS	STA.	TO STA.	VAR. 12-00424-00-SP	KANE	171	45
		CHECKED - DAD	REVISED -					TS-05		CONTRACT NO. 61E74			
		DATE - 10-28-09	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



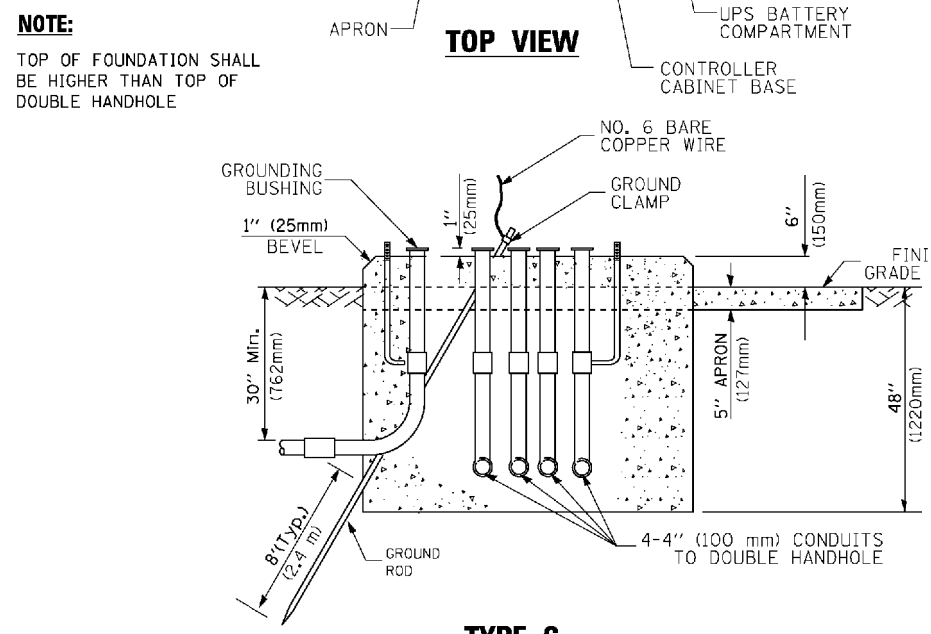
TOP VIEW



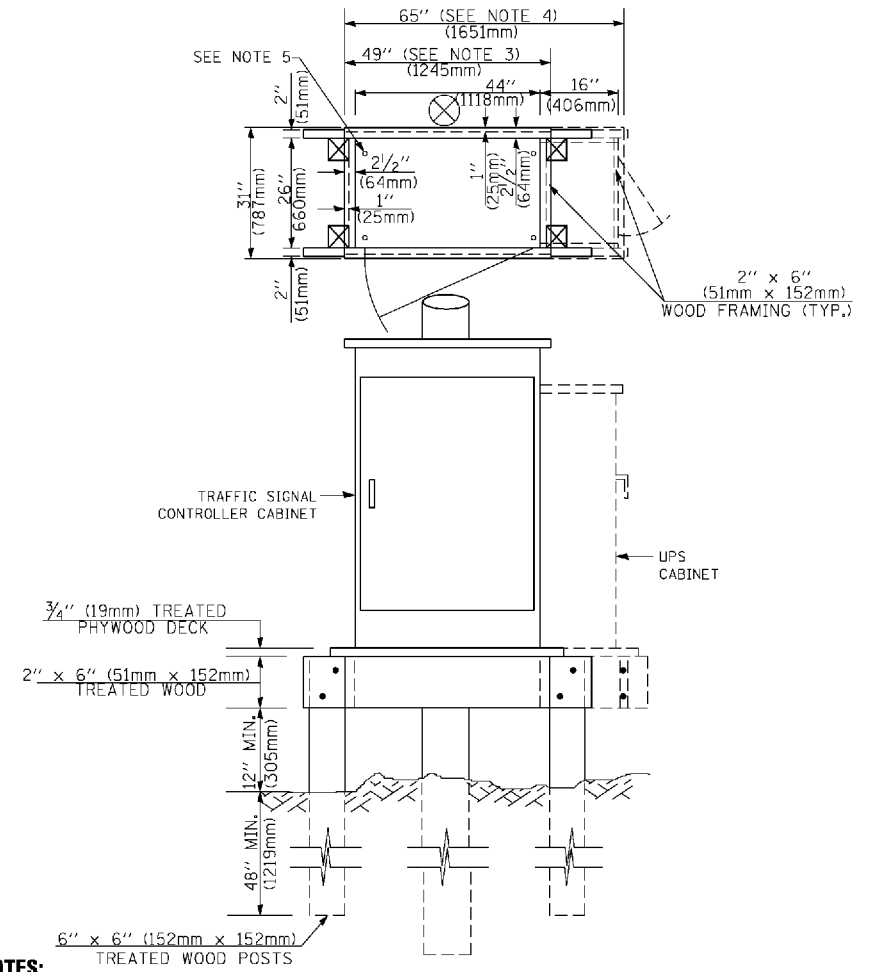
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



TOP VIEW



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

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

NOTES:

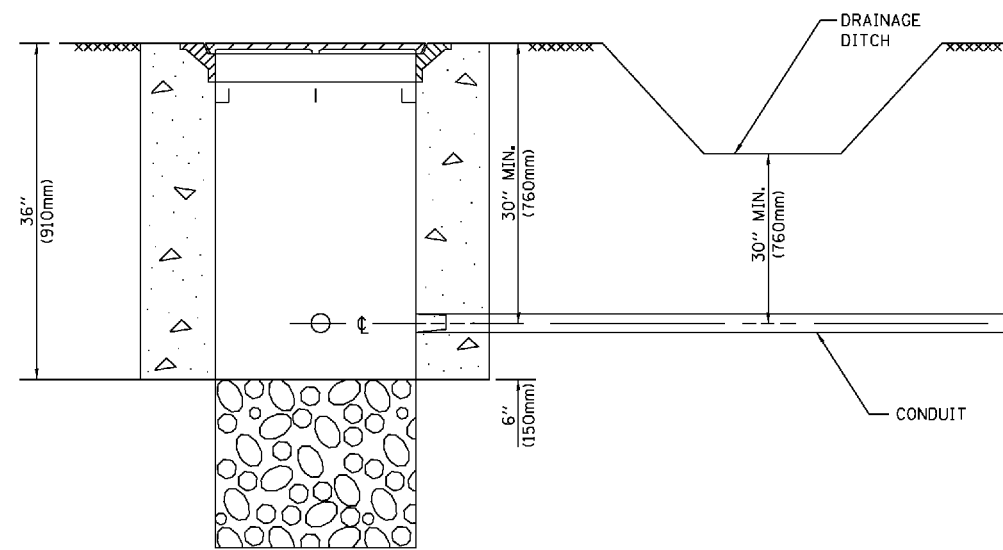
1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (UCS) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer 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

TS SHT NO. 5

FILE NAME =	USER NAME = faatemj	DESIGNED - DAG	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwwork\pwwork\faatemj\0108315\ts05.dgn		DRAWN - BCK	REVISED -		STANDARD TRAFFIC SIGNAL DESIGN DETAILS		VAR.	12-00424-00-SP	KANE	171	46	
		CHECKED - DAD	REVISED -		SCALE: NONE	SHEET NO. 5 OF 7 SHEETS	STA.					
		DATE - 10-28-09	REVISED -				TO STA.	TS-05		CONTRACT NO. 61E74		

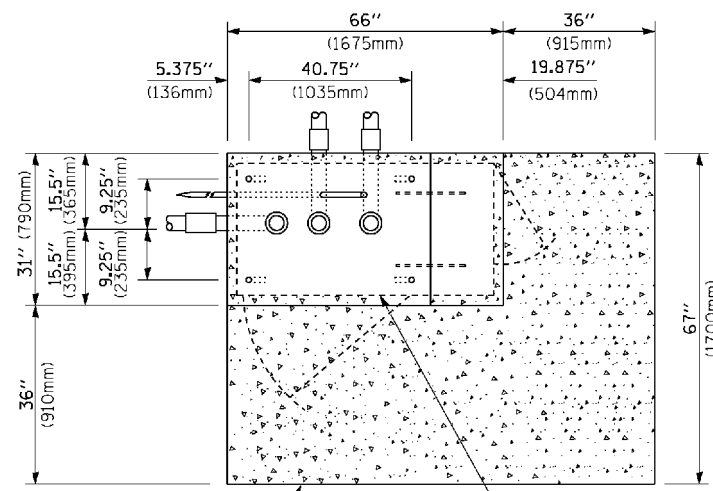
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



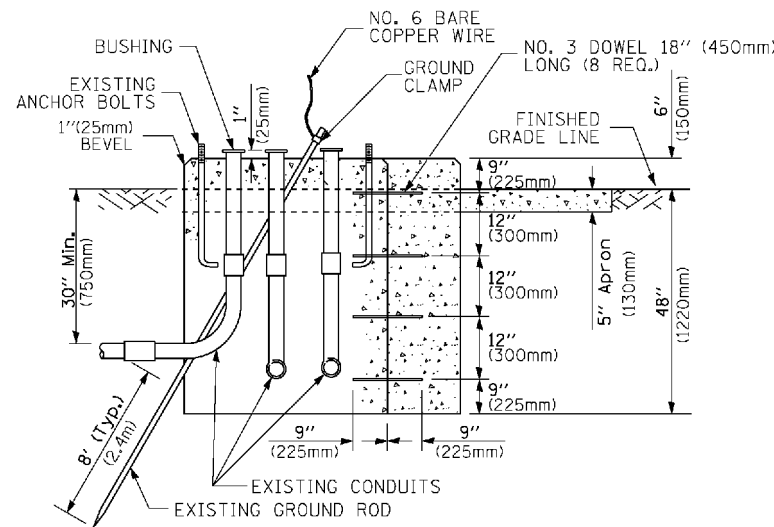
NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)

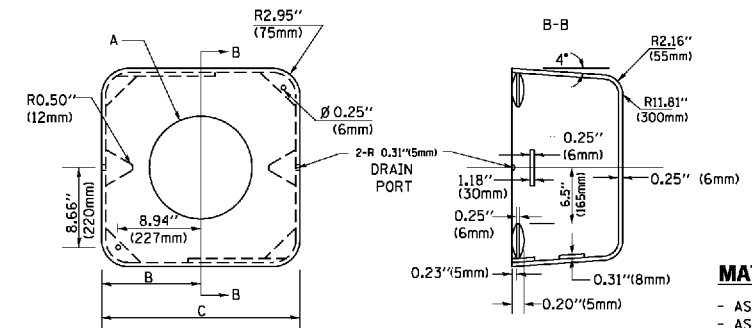


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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:

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



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)

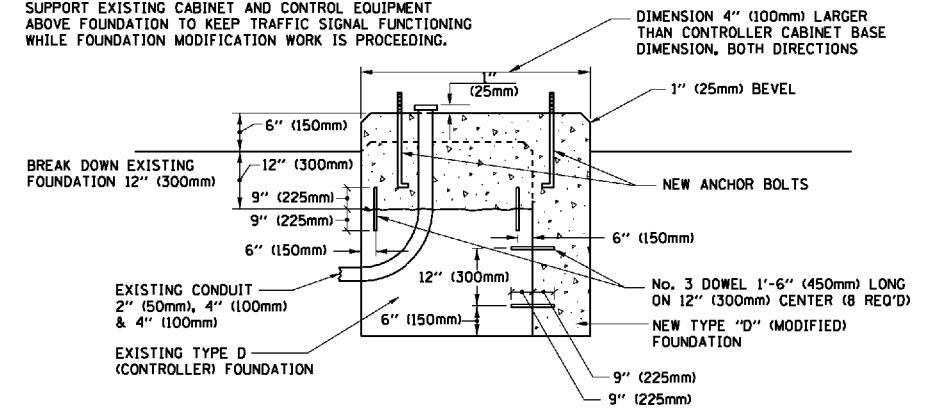
SHROUD

NOTES:

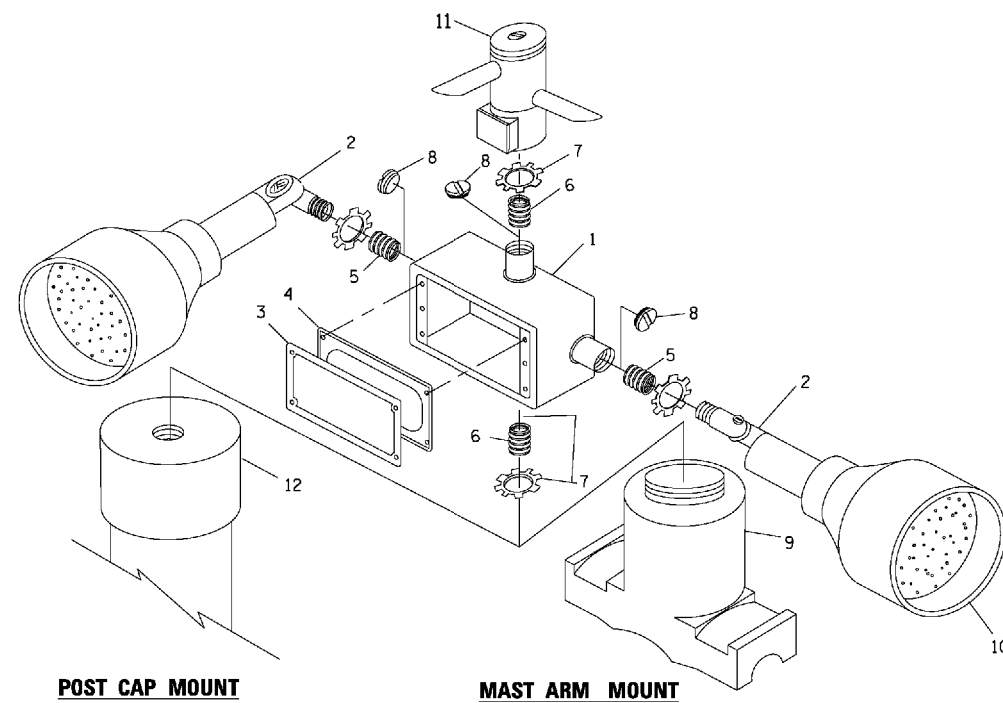
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

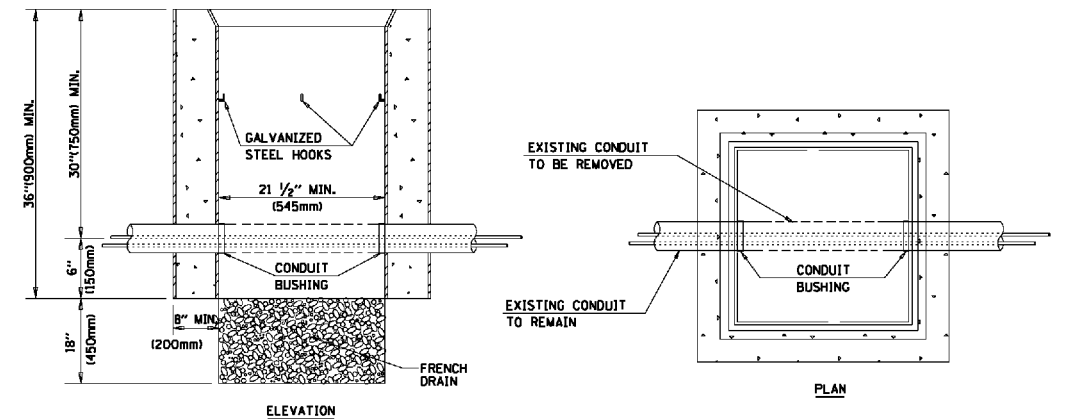
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



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



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 6

FILE NAME =	USER NAME = faotemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pwwork\pwwork\faotemj\00188315\ts05.dgn		DRAWN - BCK	REVISED -
PLOT SCALE = 50.0000 / in.		CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

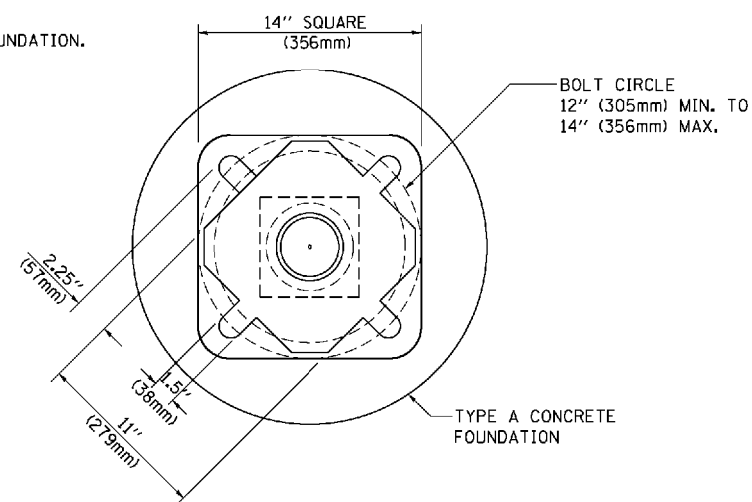
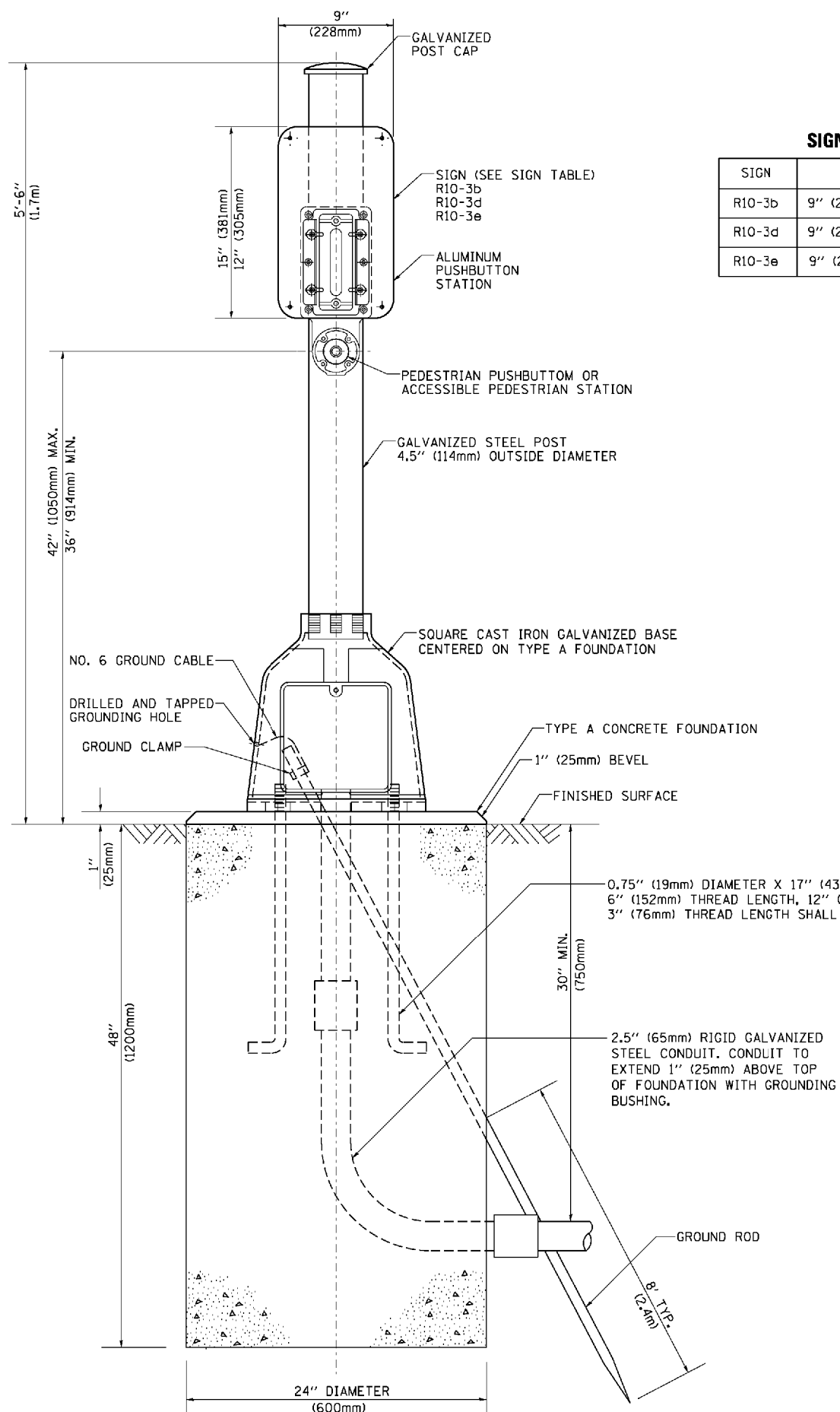
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	47
TS-05		CONTRACT NO.		61E74
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

TS SHT NO. 7

FILE NAME =	USER NAME = faotemj	DESIGNED - DAG	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.R. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\pwwork\faotemj\00188315\ts05.dgn	DRAWN - GND	REVISED -	VAR.			12-00424-00-SP	KANE	171	48	
PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -	TS-05			CONTRACT NO. 61E74				
PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
					SCALE: NONE	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.		

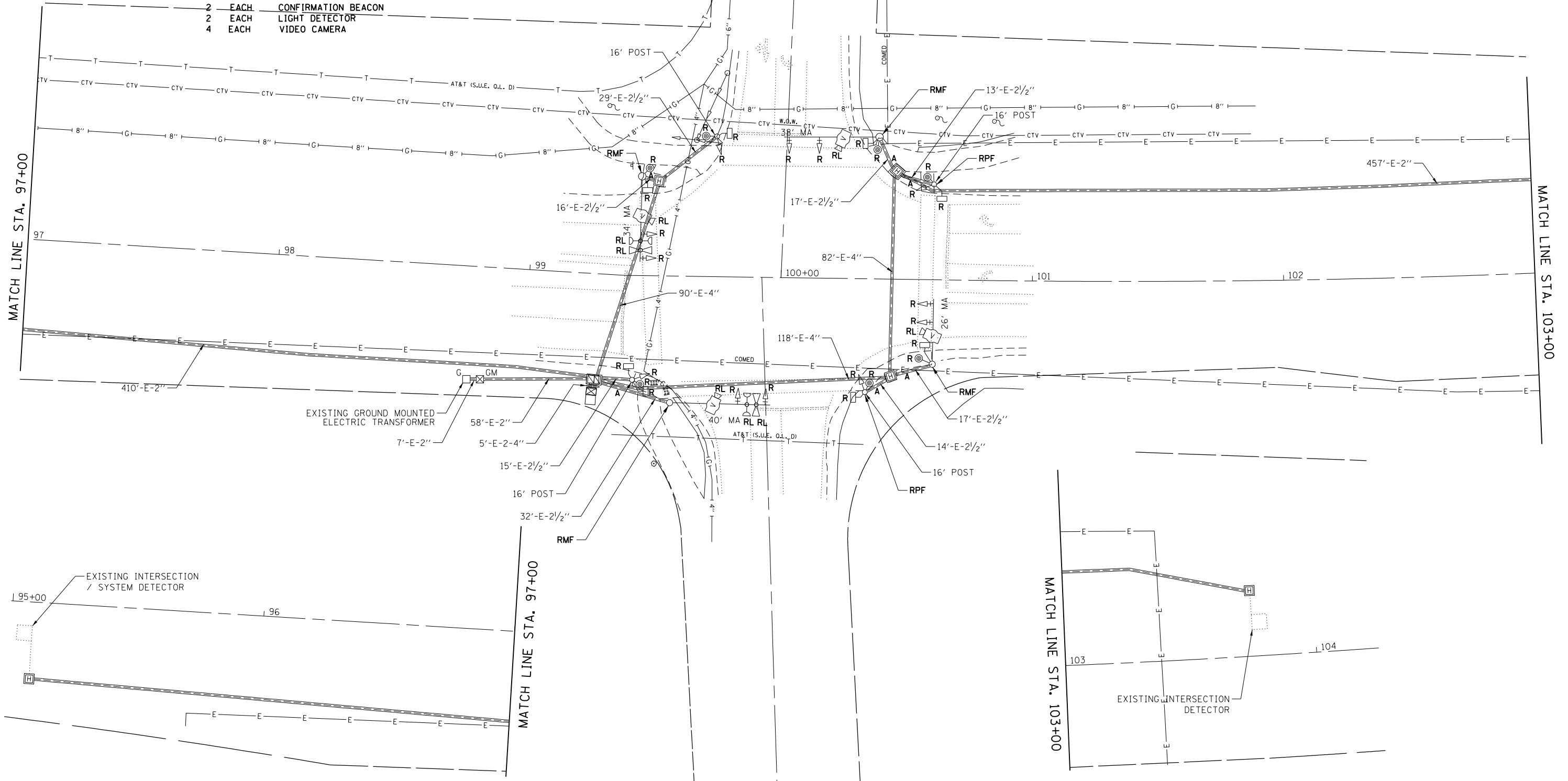
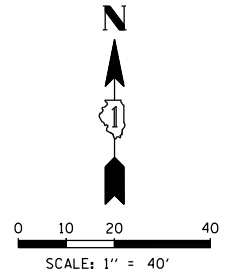
REMOVAL AND RELOCATION NOTES:

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

- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 2 EACH TRAFFIC SIGNAL POST
- 4 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 7 EACH PEDESTRIAN PUSH-BUTTON
- 8 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARM ASSEMBLIES:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 4 EACH VIDEO CAMERA



PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
NOTE BOOK	BLM. NOTED	DATE
	STRUCTURE NOTATIONS OK'D	BY
PLAN	SURVEYED	DATE
	ALIGNED	BY
NOTE BOOK	RT. OF WAY CHECKED	DATE
	ADD. FILE NAME	BY

BY: **CHRISTOPHER B. BURKE** ENGINEERING LTD.
 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (630) 923-5930

DATE: _____
 BY: _____
 DATE: _____
 BY: _____

TS SHT NO. 8

FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -
002_Fabyan-MillCreek 01.REM		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

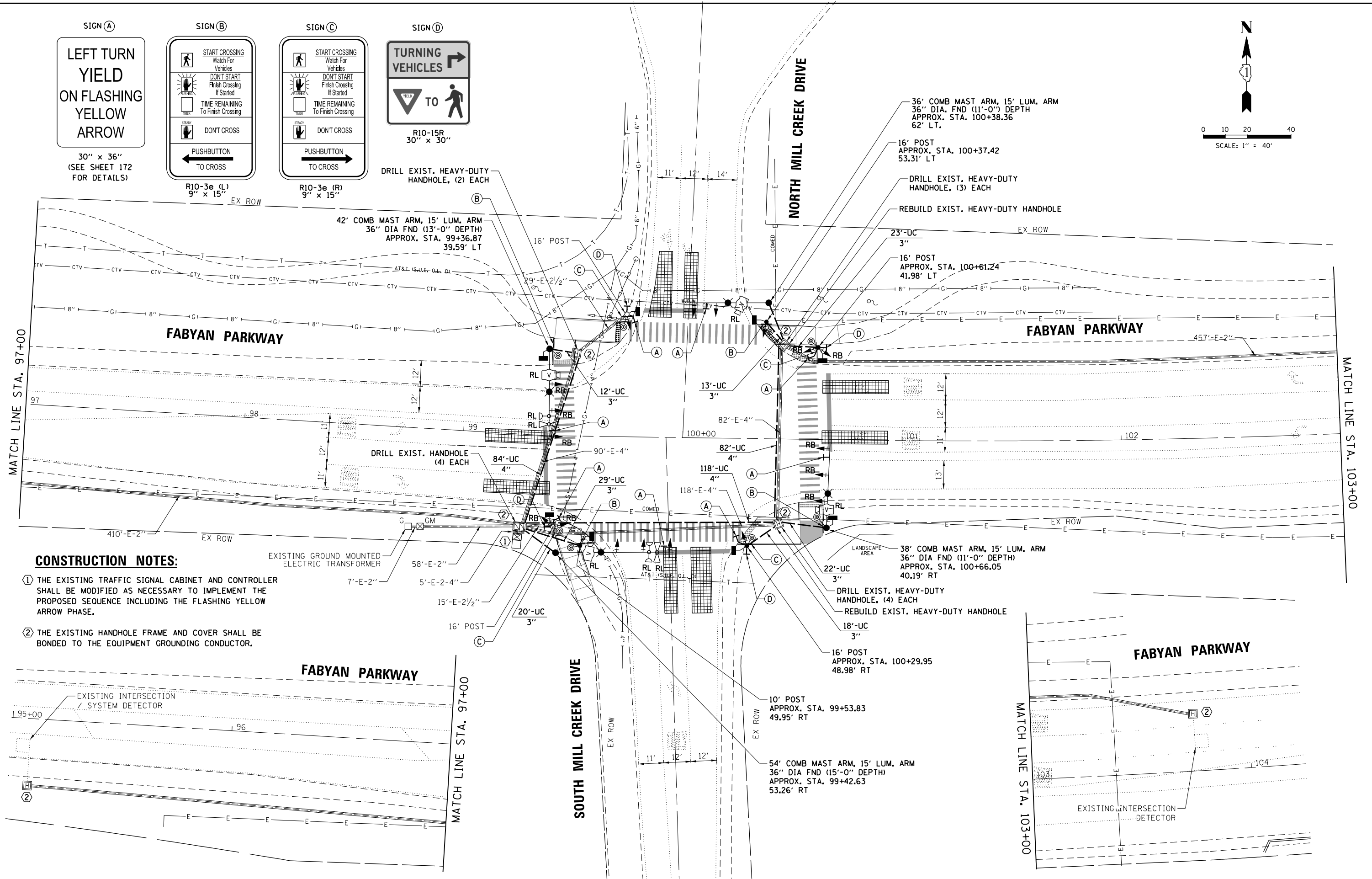
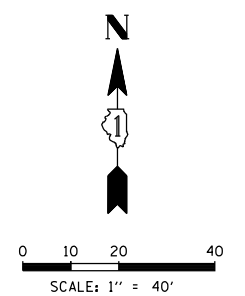
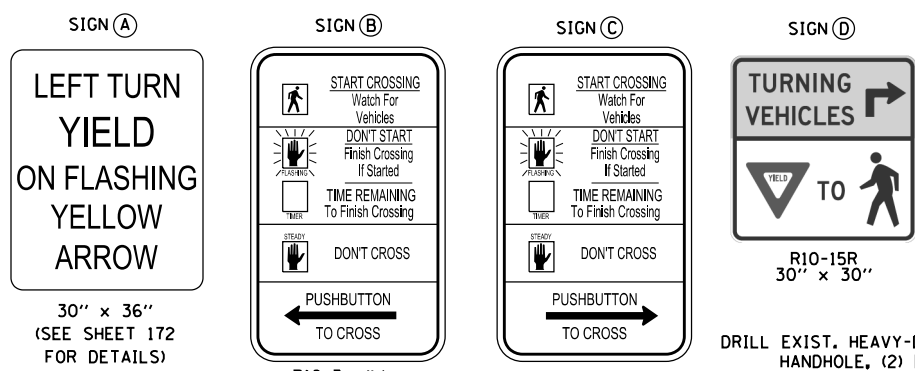
**TRAFFIC SIGNAL REMOVAL PLAN
 FAYBAN PARKWAY AND MILL CREEK DRIVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	49
CONTRACT NO. 61E74		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSJP-W3HX(781)		

SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____

BY: _____ DATE: _____
 SURVEYED _____
 ALIGNED _____
 CHECKED _____
 RT. OF WAY CHECKED _____
 CADD FILE NAME: _____
 PLAN NO.: _____
 NOTE BOOK NO.: _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (617) 623-5500
 PROFILE SURVEYED _____
 GRADES CHECKED _____
 ELEM. NOTED _____
 STRUCTURE NOTATIONS OKWD _____

TS SHT NO. 9



- CONSTRUCTION NOTES:**
- THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.
 - THE EXISTING HANDHOLE FRAME AND COVER SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

FILE NAME 002_Fabyan-MillCreek 02.MXD	USER NAME = fbariso	DESIGNED - TFS	REVISED -
		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

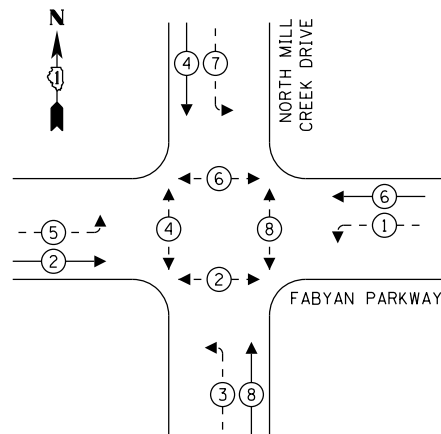
TRAFFIC SIGNAL MODIFICATION PLAN
FABYAN PARKWAY AND MILL CREEK DRIVE

SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____

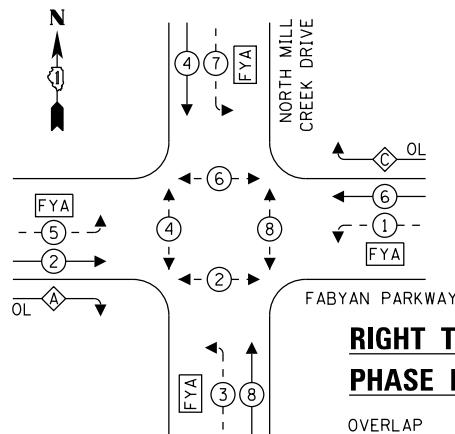
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	50
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61E74	
			HSJIP-W3HX(781)	

BY: _____ DATE: _____
 SURVEYED _____
 ALIGNED _____
 RT. OF WAY CHECKED _____
 SADDY FILE NAME _____
 PLAN NOTE BOOK NO. _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (617) 923-5930
 PROFILE SURVEYED _____
 GRADES CHECKED _____
 ELEM. NOTED _____
 STRUCTURE NOTATIONS OKWD
 NOTE BOOK NO. _____

EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE

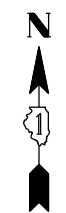


- LEGEND:**
- ⊙ (with star) PROTECTED PHASE
 - ⊙ (with dashed line) PROTECTED/PERMITTED PHASE
 - ⊙ (with pedestrian symbol) PEDESTRIAN PHASE
 - ⊙ (with OL) OVERLAP
 - FYA FLASHING YELLOW ARROW

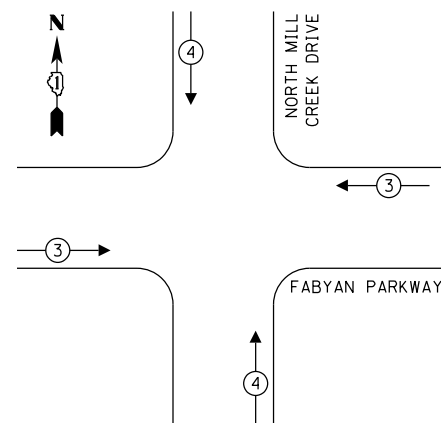
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 + 3	
C	= 6 + 7	

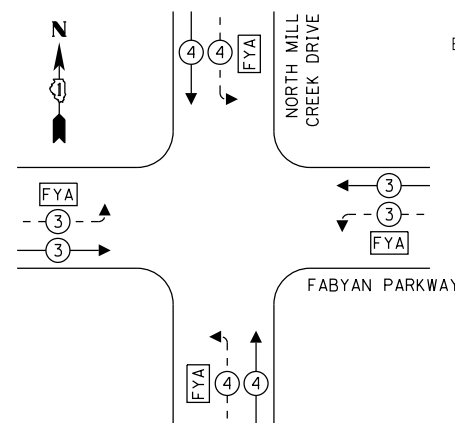
- LEGEND:**
- FYA = FLASHING YELLOW ARROW SIGNAL SECTION DESIGN



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

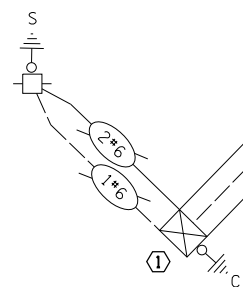


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



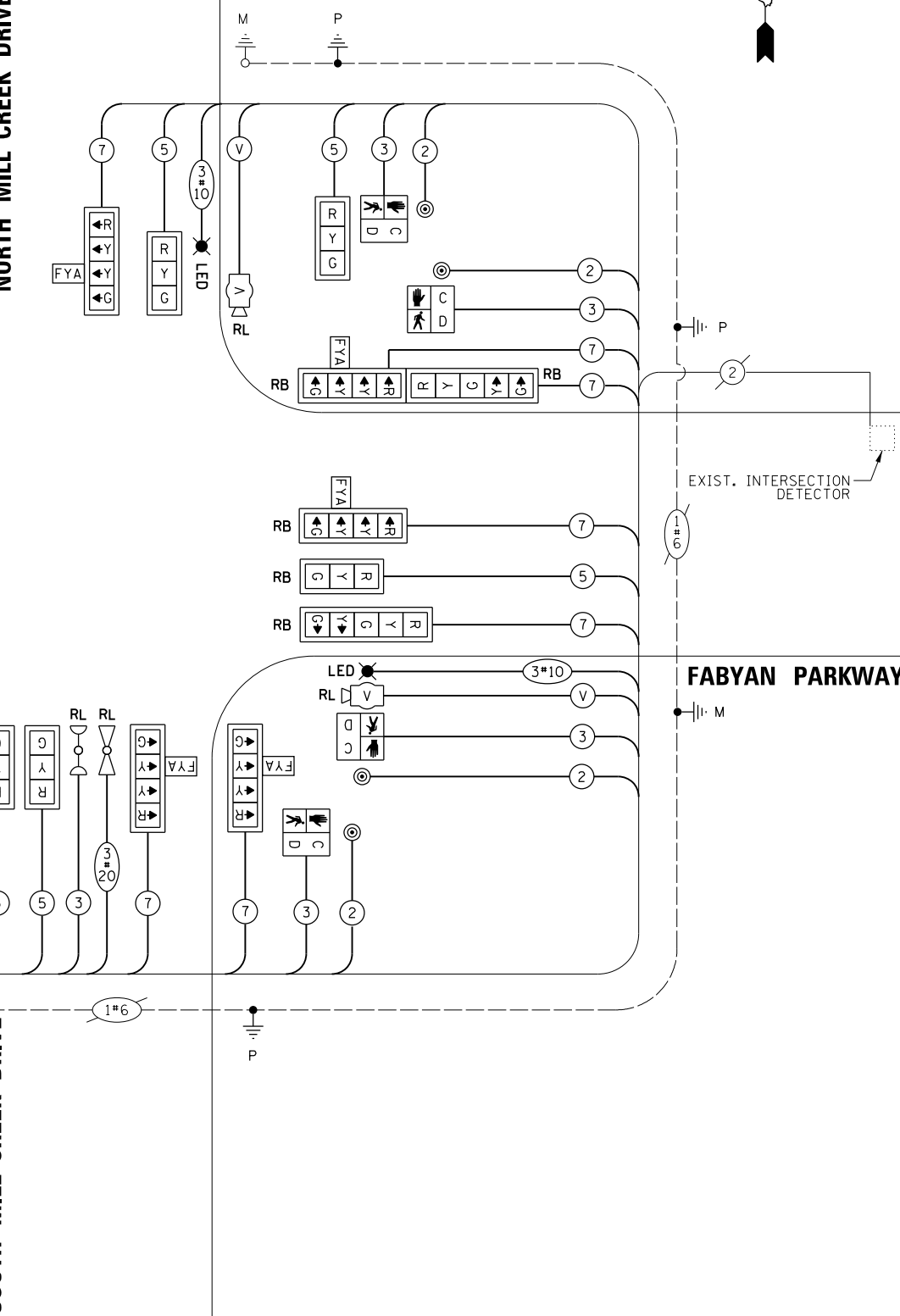
FABYAN PARKWAY

EXIST. INTERSECTION / SYSTEM DETECTOR



NORTH MILL CREEK DRIVE

SOUTH MILL CREEK DRIVE



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55.0
(YELLOW)	10	20	5	10.0
(GREEN)	10	12	45	54.0
SOLID ARROW (RED)	8	10	50	40.0
(GREEN & YELLOW)	24	10	10	24.0
FLASHING ARROW	8	10	5	4.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	190	50	380.0
TOTAL =				1002.0

CONSTRUCTION NOTES:

- ① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.
- ② THE EXISTING HANDHOLE FRAME AND COVER SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

ENERGY COSTS TO:

CITY OF GENEVA
22 S. FIRST STREET
GENEVA, ILLINOIS 60134

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: _____
ACCOUNT NUMBER: ---

TS SHT NO. 10

FILE NAME 002_Fabyan-MillCreek 03-CAB	USER NAME = fbariso	DESIGNED - TFS	REVISED -
		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

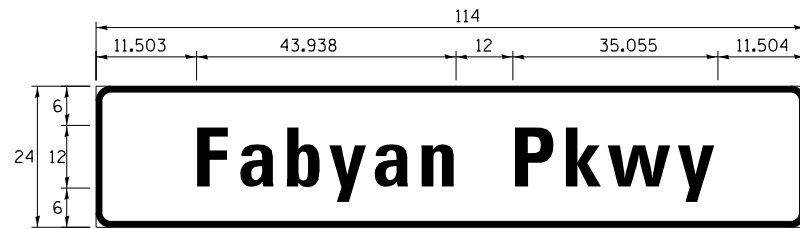
**CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
FABYAN PARKWAY AND MILL CREEK DRIVE**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

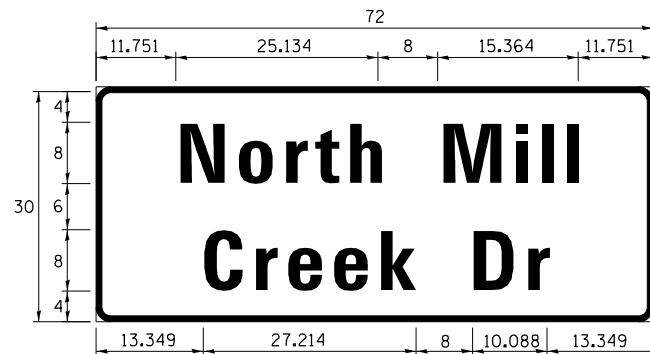
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	51
CONTRACT NO. 61E74				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSJIP-W3HX(781)		

SIGN PANEL – TYPE 1 OR TYPE 2

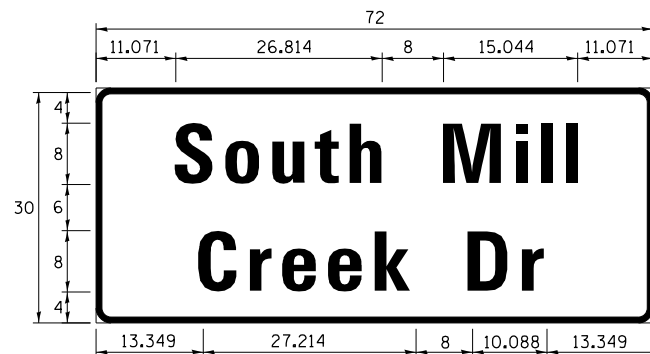
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	18.0	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15.0	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15.0	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	85
SIGN PANEL - TYPE 2	SQ FT	98
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	158
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	284
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2511
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	6
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1279
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1396
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1574
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1890
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	549
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	50
DRILL EXISTING HANDHOLE	EACH	4
DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	10
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE	EACH	10
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	6
PEDESTRIAN PUSH-BUTTON	EACH	8
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8527
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	290
* ROD AND CLEAN EXISTING CONDUIT	FOOT	500
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	1
LUMINAIRE, LED, HORIZONTAL MOUNT, 190 WATT (SPECIAL)	EACH	4
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1

*Nominal Quantity to be Used as Directed by the Engineer

DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY CHECKED
DATE	BY	GRADES CHECKED	BLM. NOTED	STRUCTURE	NOTATIONS
DATE	BY	PLAN	NOTE BOOK	NO.	
DATE	BY	PROFILE	NOTE BOOK	NO.	

CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-9500



TS SHT NO. 11

FILE NAME 002_Fabyan-MillCreek 03_CAB-2	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN FABYAN PARKWAY AND MILL CREEK DRIVE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - FPB	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	VAR.	12-00424-00-SP	KANE	171 52
		CHECKED - GMZ	REVISED -								CONTRACT NO. 61E74		
		DATE - 2/26/2019	REVISED -								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSIP-W3HX(781)		

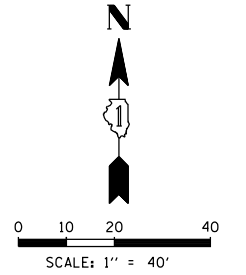
REMOVAL AND RELOCATION NOTES:

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

- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 4 EACH LUMINAIRE
- 2 EACH TRAFFIC SIGNAL POST
- 4 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 8 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS ASSEMBLIES:

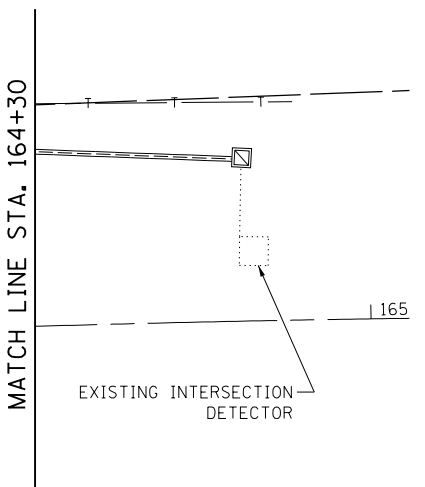
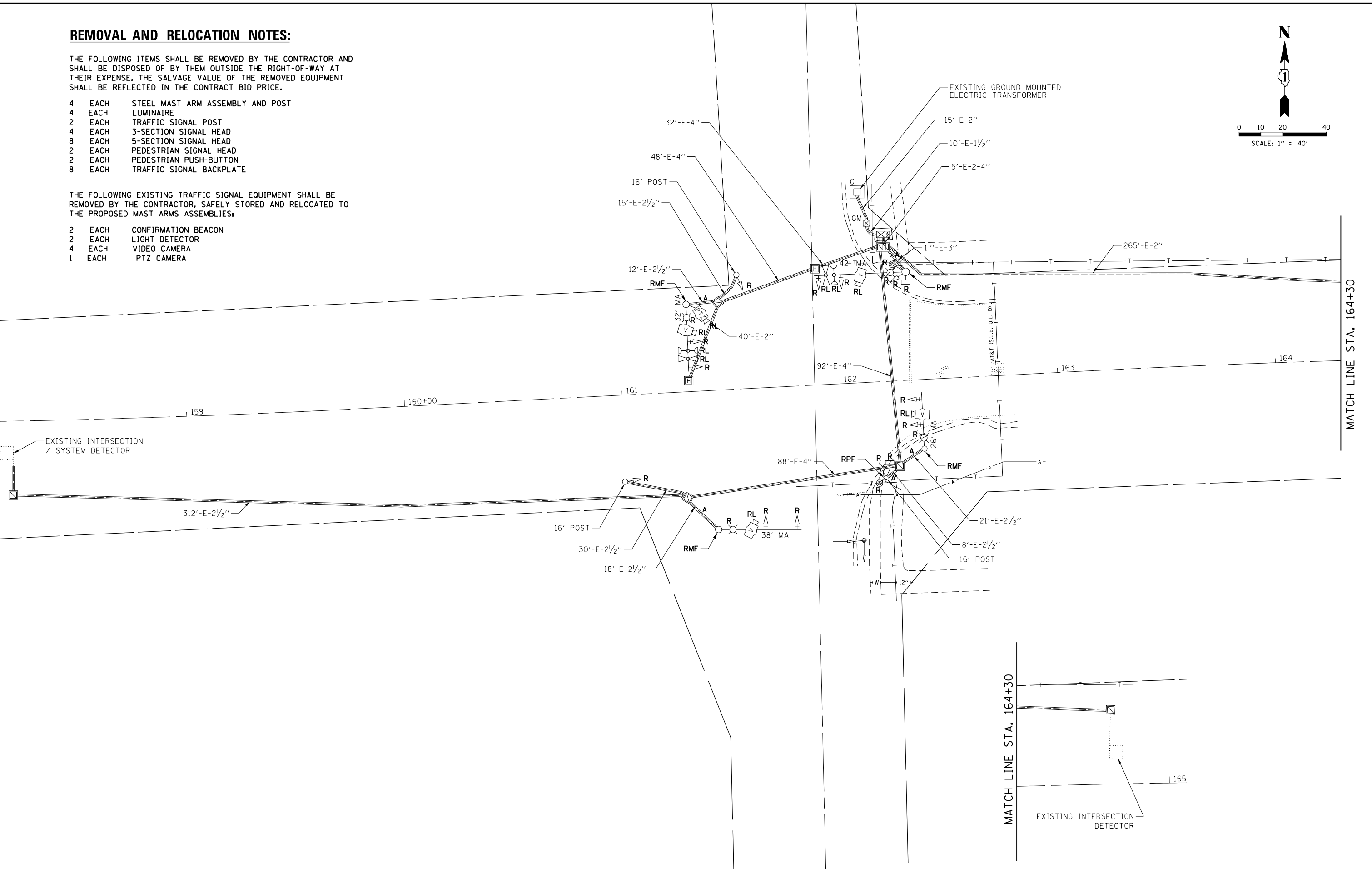
- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 4 EACH VIDEO CAMERA
- 1 EACH PTZ CAMERA



DATE	BY	SURVEYED	PLAN
		ALIGNED	NOTE BOOK
		RT. OF WAY CHECKED	NO.
		ADD. FILE NAME	
DATE	BY	SURVEYED	PROFILE
		GRADES CHECKED	NOTE BOOK
		BLM. NOTED	NO.
		STRUCTURE NOTATIONS OK'D	

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5938

TS SHT NO. 12



FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -
003_Fabyan-Viking 01.REM		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

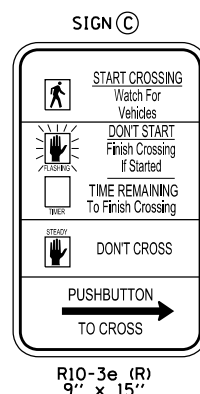
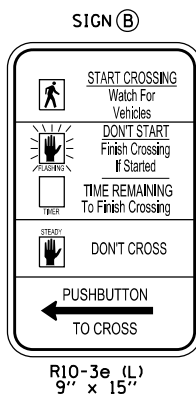
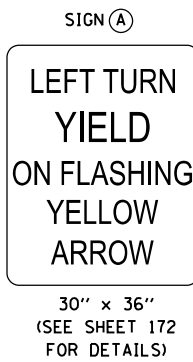
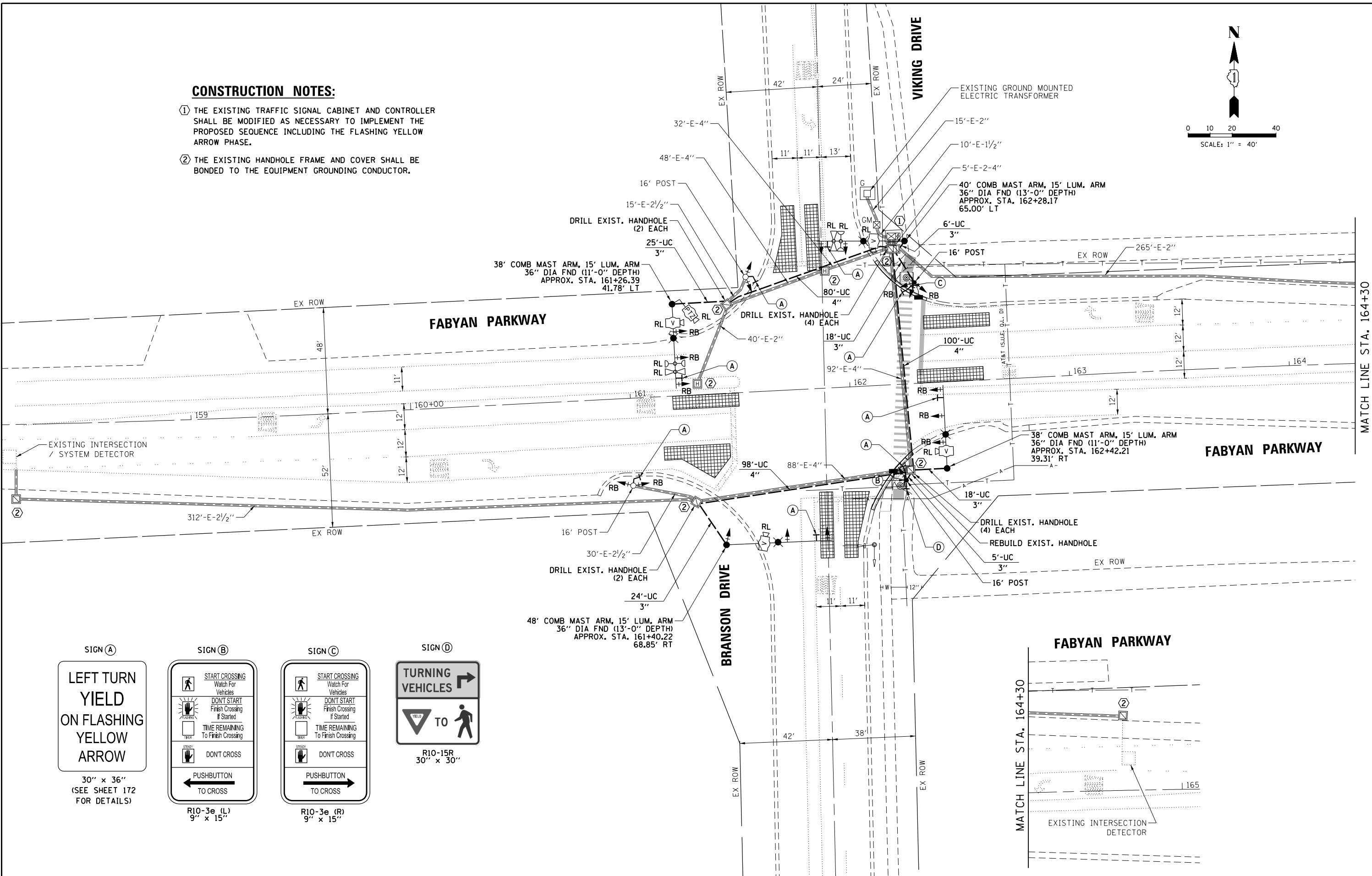
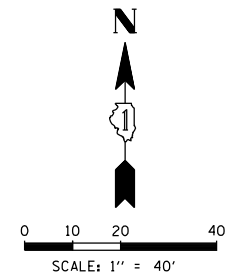
TRAFFIC SIGNAL REMOVAL PLAN
FABYAN PARKWAY AND BRANSON DRIVE / VIKING DRIVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	53
CONTRACT NO. 61E74				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HS1P-W3HX(781)		

SCALE: SHEET NO. OF SHEETS STA. TO STA.

CONSTRUCTION NOTES:

- ① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.
- ② THE EXISTING HANDHOLE FRAME AND COVER SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.



TS SHT NO. 13

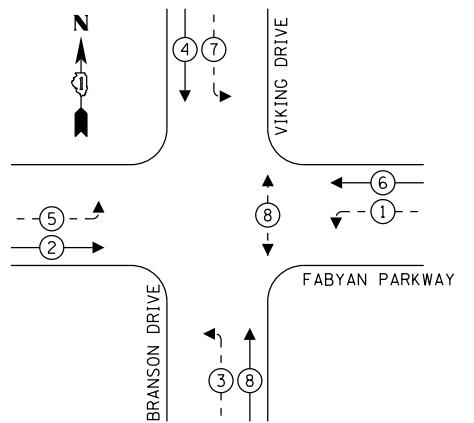
DATE		BY		SURVEYED		PLAN	

CHRISTOPHER B. BURKE
ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(617) 823-5500

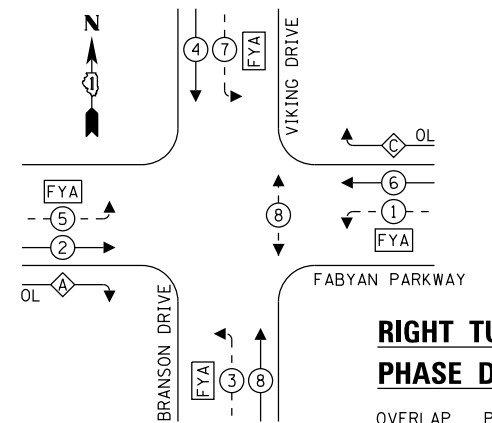
FILE NAME 003_Fabyan-Viking 02.MXD	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND BRANSON DRIVE / VIKING DRIVE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - FPB	REVISED -			VAR.	12-00424-00-SP	KANE	171	54
		CHECKED - GMZ	REVISED -			CONTRACT NO. 61E74				
		DATE - 11/16/2018	REVISED -	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSJIP-W3HX(781)	

DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____
 PLAN: _____ NOTE BOOK: _____
 NO. _____ NO. _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (617) 923-5930
 DATE: _____ BY: _____
 SURVEYED: _____ GRADES CHECKED: _____
 PROFILE: _____ ELEM. NOTED: _____
 NO. _____ NO. _____
 STRUCTURE NOTATIONS: OKWD

EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE

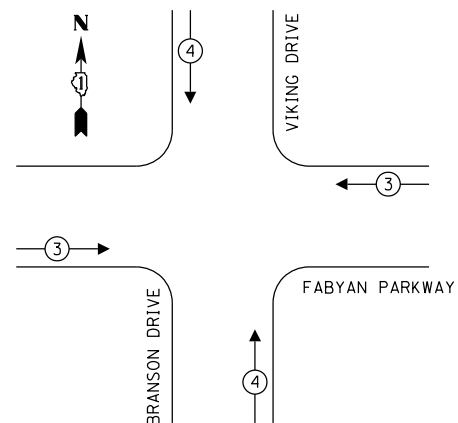


- LEGEND:**
- ← (circle with star) PROTECTED PHASE
 - ← (circle with star and dash) PROTECTED/PERMITTED PHASE
 - ← (circle with star and arrow) PEDESTRIAN PHASE
 - ← (circle with star and OL) OVERLAP
 - (FYA) FLASHING YELLOW ARROW

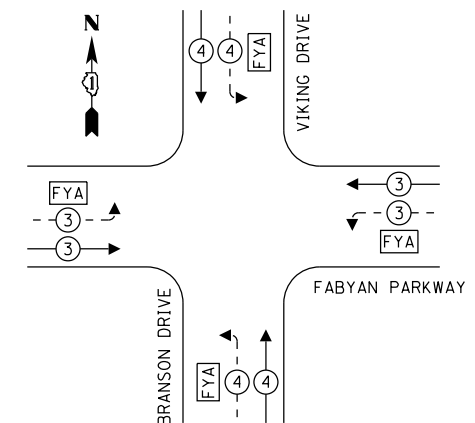
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



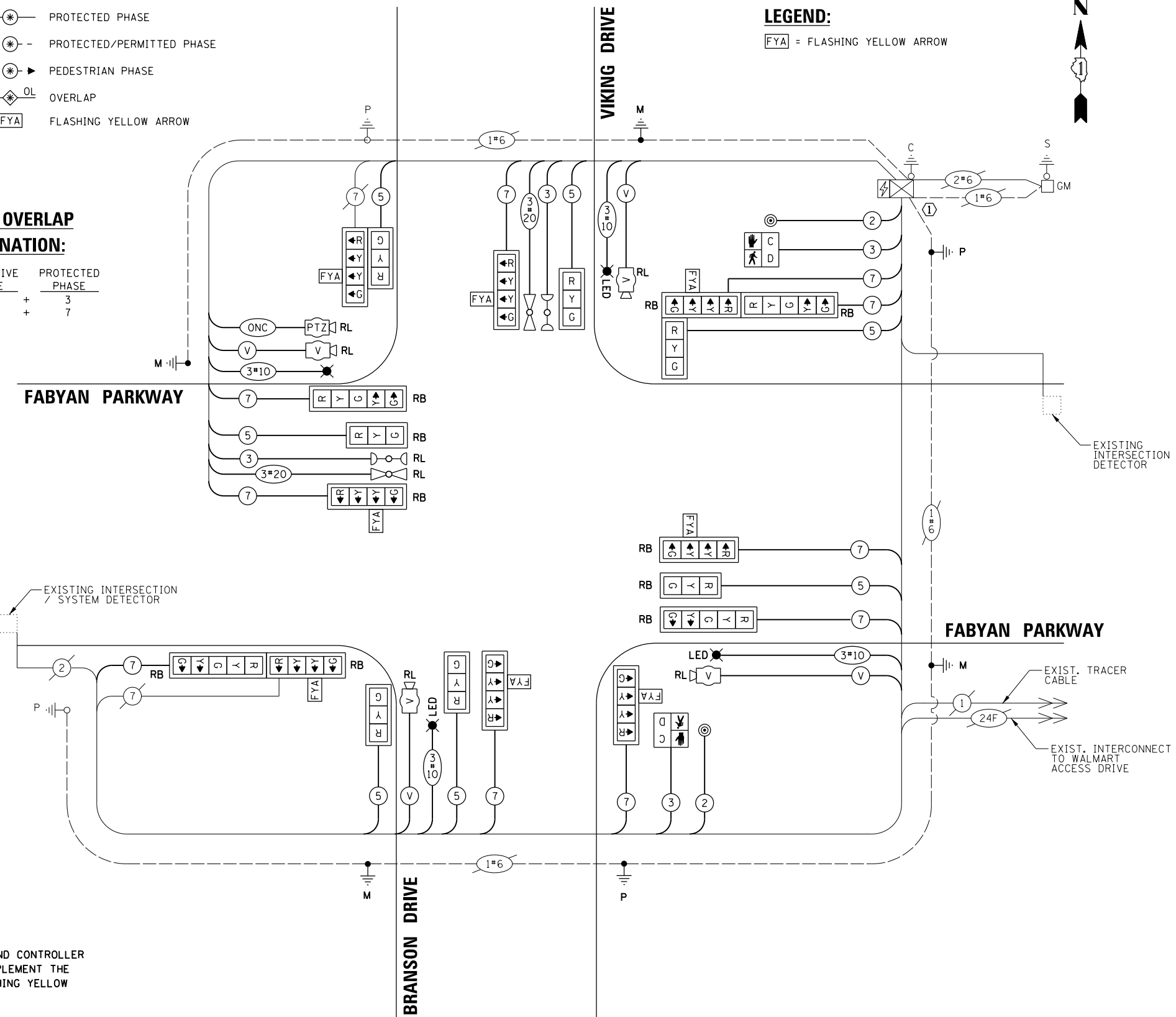
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55.0
(YELLOW)	10	20	5	10.0
(GREEN)	10	12	45	54.0
SOLID ARROW (RED)	8	10	50	40.0
(GREEN & YELLOW)	24	10	10	24.0
FLASHING ARROW	8	10	5	4.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	190	50	380.0
TOTAL =				882.0

CONSTRUCTION NOTES:

- ① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.
- ② THE EXISTING HANDHOLE FRAME AND COVER SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

ENERGY COSTS TO:
 CITY OF GENEVA
 22 S. FIRST STREET
 GENEVA, ILLINOIS 60134
 ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: _____



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 14

FILE NAME 003_Fabyan-Viking 03.CAB	USER NAME = fbariso	DESIGNED - TFS	REVISED -
		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
FABYAN PARKWAY AND BRANSON DRIVE / VIKING DRIVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	55
CONTRACT NO. 61E74				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSJIP-W3HX(781)		

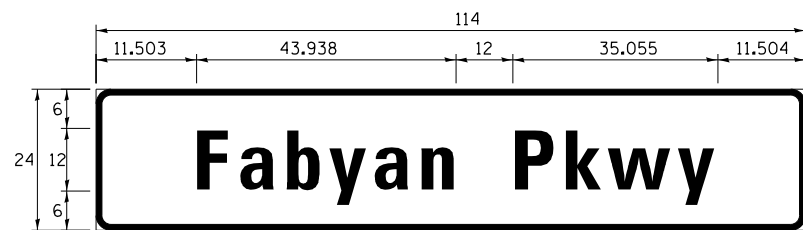
SCALE: _____ SHEET NO. _____ OF _____ SHEETS _____ STA. _____ TO STA. _____

PROFILE	SURVEYED	BLM. NOTED	STRUCTURE	NOTATIONS	CHKD	BY	DATE	NOTE BOOK	NO.	PLAN	SURVEYED	ALIGNED	CHECKED	RT. OF WAY	CHECKED	ADD. FILE NAME	BY	DATE

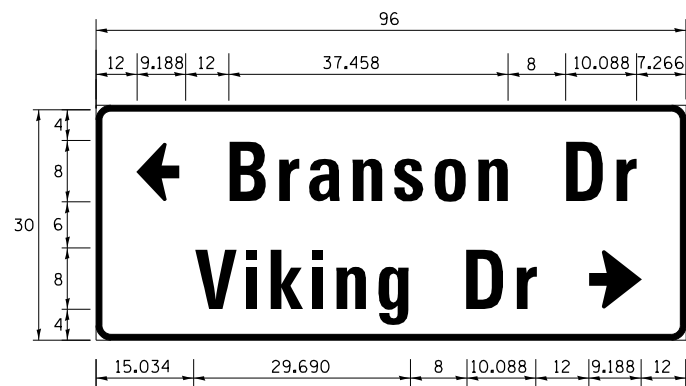
TS SHT NO. 15

SIGN PANEL – TYPE 1 OR TYPE 2

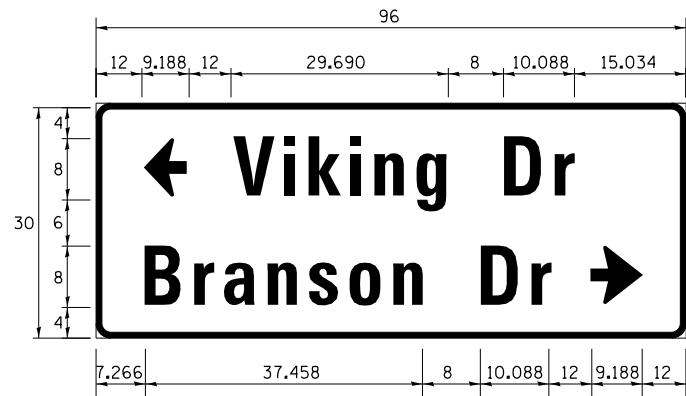
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	19.0	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	20.0	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	20.0	2	ZZ	1

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	66.25
SIGN PANEL - TYPE 2	SQ FT	78
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	98
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	278
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2247
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	8
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	196.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	500
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1479
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2050
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	399.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	58
DRILL EXISTING HANDHOLE	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE	EACH	9
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	10
PEDESTRIAN PUSH-BUTTON	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5966.5
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	428.5
* ROD AND CLEAN EXISTING CONDUIT	FOOT	500
OUTDOOR RATED NETWORK CABLE	FOOT	194
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	1
LUMINAIRE, LED, HORIZONTAL MOUNT, 190 WATT (SPECIAL)	EACH	4
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
RELOCATE EXISTING PTZ CAMERA	EACH	1

*Nominal Quantity to be Used as Directed by the Engineer

FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -
003.Fabyan-Viking 03.CAB-2		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 2/25/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES	
AND MAST ARM MOUNTED STREET NAME SIGN FABYAN PARKWAY AND BRANSON DRIVE / VIKING DRIVE	
SCALE: _____	SHEET NO. ____ OF _____ SHEETS
STA. _____ TO STA. _____	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	56
CONTRACT NO. 61E74				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT HSIP-W3HX(781)				

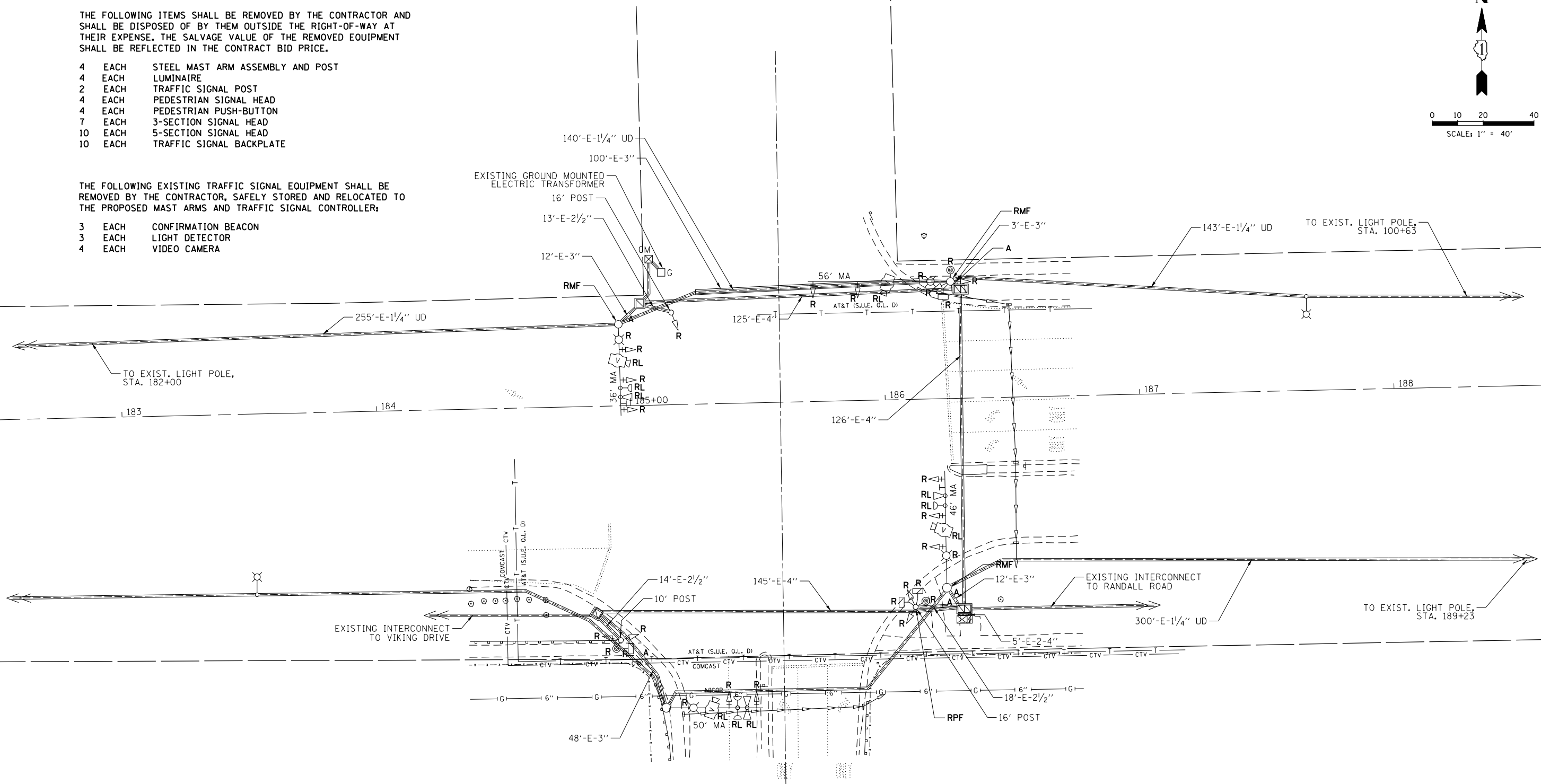
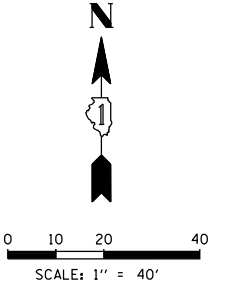
REMOVAL AND RELOCATION NOTES:

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

- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 4 EACH LUMINAIRE
- 2 EACH TRAFFIC SIGNAL POST
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 7 EACH 3-SECTION SIGNAL HEAD
- 10 EACH 5-SECTION SIGNAL HEAD
- 10 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 3 EACH CONFIRMATION BEACON
- 3 EACH LIGHT DETECTOR
- 4 EACH VIDEO CAMERA



DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY	CHECKED	FILE NAME
DATE	BY	SURVEYED	GRADES	CHECKED	BLM	NOTED	STRUCTURE

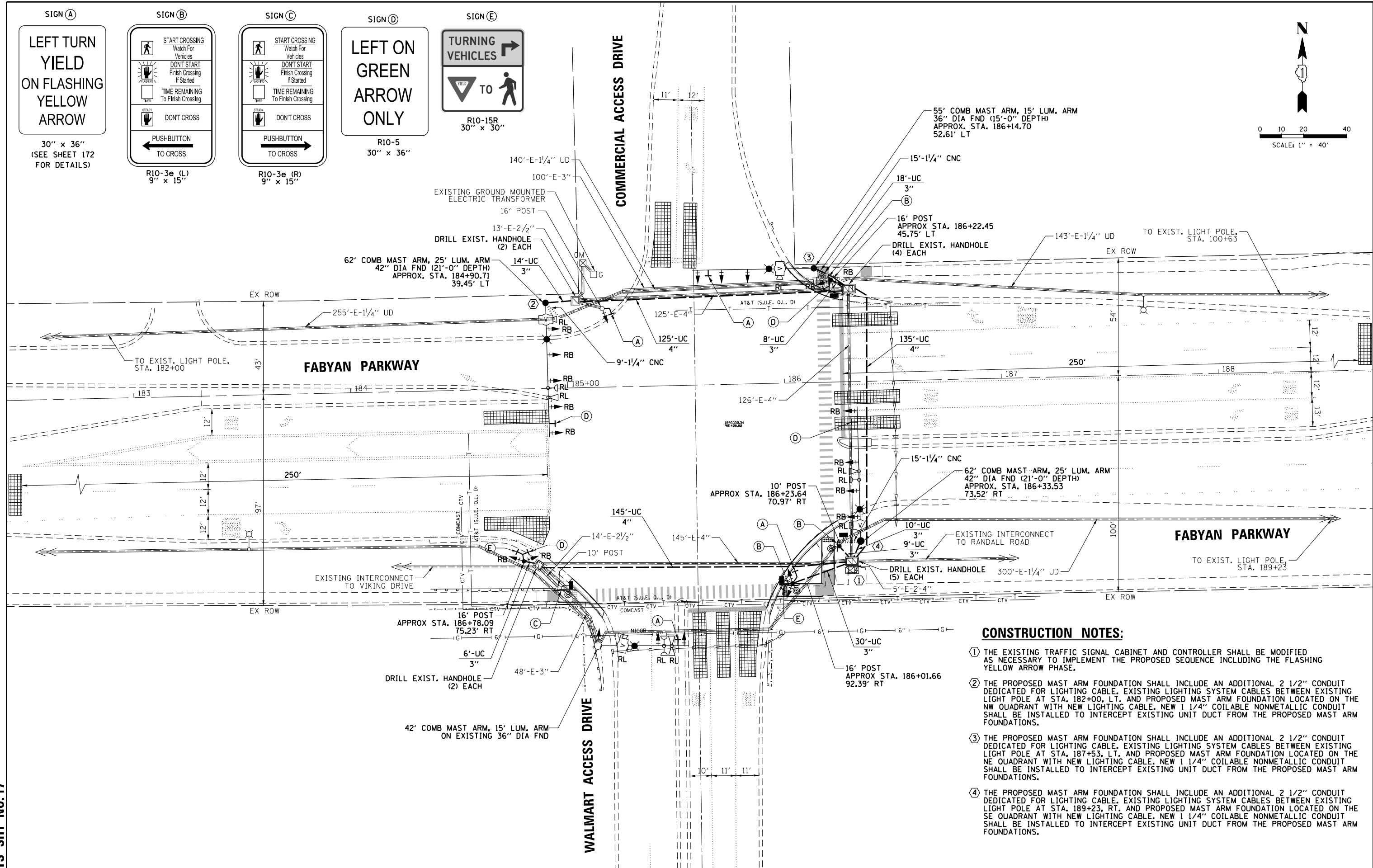
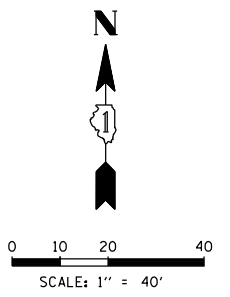
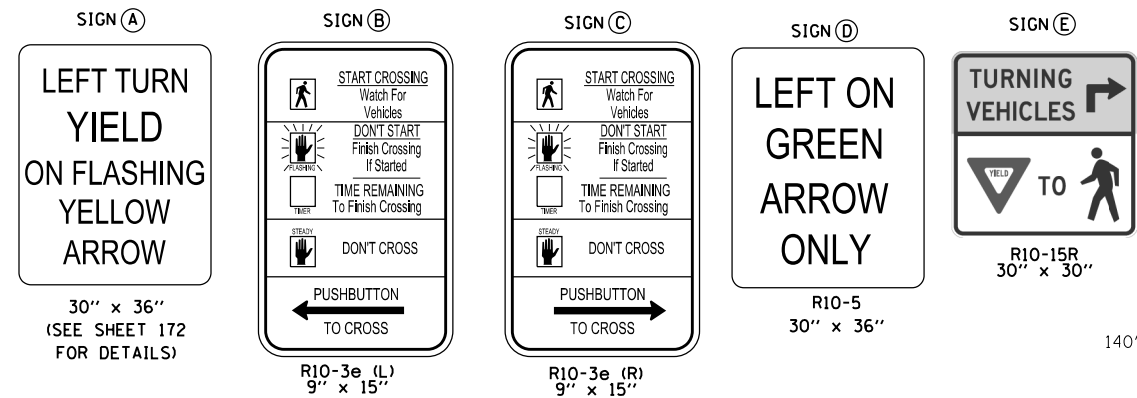
ENGINEERING LTD.
CHRISTOPHER B. BURKE
 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-9500

TS SHT NO. 16

FILE NAME 004.Fabyan-Walmart 01.REM	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL REMOVAL PLAN FABYAN PARKWAY AND WALMART ACCESS DRIVE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - FPB	REVISED -			VAR.	12-00424-00-SP	KANE	171	57	
		CHECKED - GMZ	REVISED -			CONTRACT NO. 61E74					
		DATE - 11/16/2018	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HS1P-W3HX(781)			

BY: DATE: SURVEYED: ALIGNED: CHECKED: RT. OF WAY CHECKED: CADD FILE NAME: PLAN: NOTE BOOK NO.: ENGINEERING LTD. CHRISTOPHER B. BURKE 3575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (647) 923-5908 DATE: BY: SURVEYED: GRADES CHECKED: ELEM. NOTED: STRUCTURE NOTATIONS OKWD: NOTE BOOK NO.: PROFILE

TS SHT NO.17



CONSTRUCTION NOTES:

- ① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.
- ② THE PROPOSED MAST ARM FOUNDATION SHALL INCLUDE AN ADDITIONAL 2 1/2" CONDUIT DEDICATED FOR LIGHTING CABLE, EXISTING LIGHTING SYSTEM CABLES BETWEEN EXISTING LIGHT POLE AT STA. 182+00, LT. AND PROPOSED MAST ARM FOUNDATION LOCATED ON THE NW QUADRANT WITH NEW LIGHTING CABLE, NEW 1 1/4" COILABLE NONMETALLIC CONDUIT SHALL BE INSTALLED TO INTERCEPT EXISTING UNIT DUCT FROM THE PROPOSED MAST ARM FOUNDATIONS.
- ③ THE PROPOSED MAST ARM FOUNDATION SHALL INCLUDE AN ADDITIONAL 2 1/2" CONDUIT DEDICATED FOR LIGHTING CABLE, EXISTING LIGHTING SYSTEM CABLES BETWEEN EXISTING LIGHT POLE AT STA. 187+53, LT. AND PROPOSED MAST ARM FOUNDATION LOCATED ON THE NE QUADRANT WITH NEW LIGHTING CABLE, NEW 1 1/4" COILABLE NONMETALLIC CONDUIT SHALL BE INSTALLED TO INTERCEPT EXISTING UNIT DUCT FROM THE PROPOSED MAST ARM FOUNDATIONS.
- ④ THE PROPOSED MAST ARM FOUNDATION SHALL INCLUDE AN ADDITIONAL 2 1/2" CONDUIT DEDICATED FOR LIGHTING CABLE, EXISTING LIGHTING SYSTEM CABLES BETWEEN EXISTING LIGHT POLE AT STA. 189+23, RT. AND PROPOSED MAST ARM FOUNDATION LOCATED ON THE SE QUADRANT WITH NEW LIGHTING CABLE, NEW 1 1/4" COILABLE NONMETALLIC CONDUIT SHALL BE INSTALLED TO INTERCEPT EXISTING UNIT DUCT FROM THE PROPOSED MAST ARM FOUNDATIONS.

FILE NAME 004_Fabyan-Walmart 02.MXD	USER NAME = fbariso	DESIGNED - TFS	REVISED -
		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

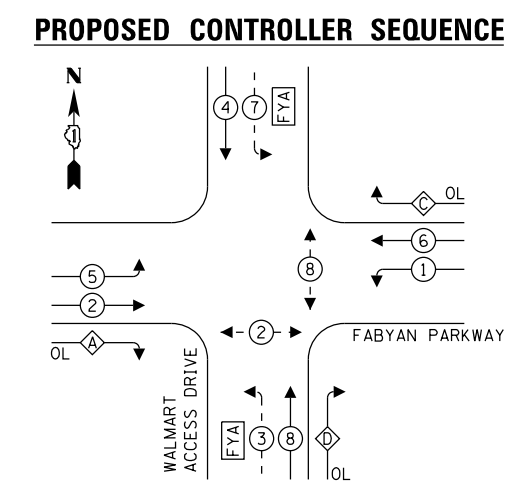
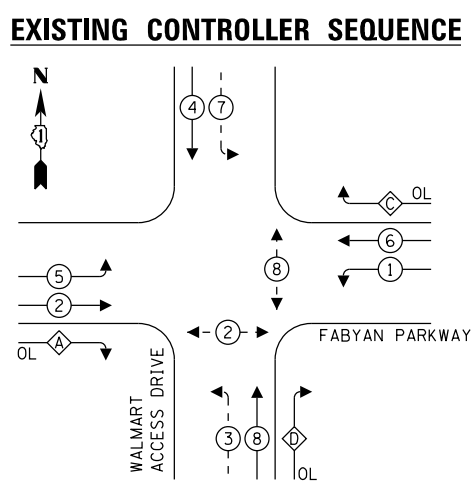
**TRAFFIC SIGNAL MODIFICATION PLAN
FABYAN PARKWAY AND WALMART ACCESS DRIVE**

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	58
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61E74	
			HSJP-W3HX(781)	

SCALE: SHEET NO. OF SHEETS STA. TO STA.

DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____ CHECKED: _____
 PLAN: _____ NOTE BOOK: _____
 NO. _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (617) 923-5930
 DATE: _____ BY: _____
 SURVEYED: _____ GRADES CHECKED: _____
 PLAN: _____ NOTE BOOK: _____
 NO. _____
 STRUCTURE NOTATIONS: CWK0

TS SHT NO. 18



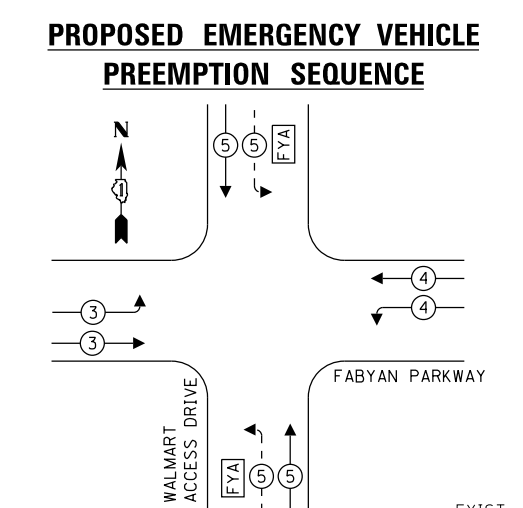
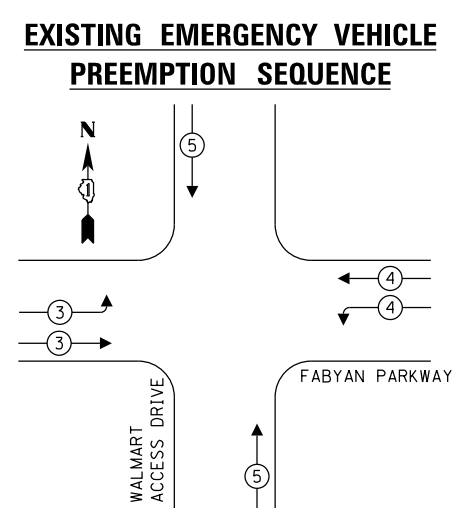
LEGEND:
 ← * → PROTECTED PHASE
 ← * - → PROTECTED/PERMITTED PHASE
 ← * → PEDESTRIAN PHASE
 ← * OL → OVERLAP
 [FYA] FLASHING YELLOW ARROW

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
D	= 8	+ 1

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
D	= 8	+ 1

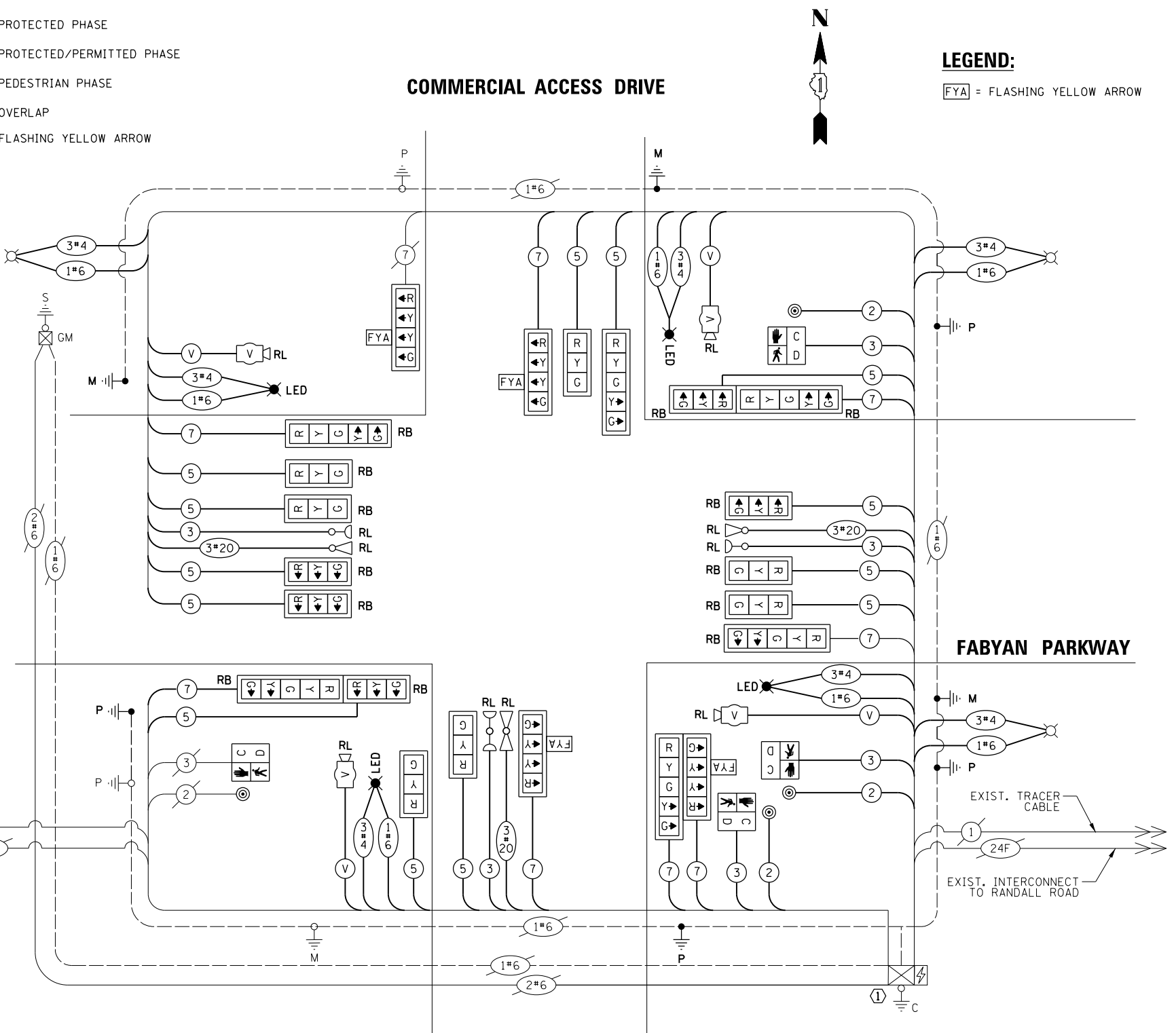


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	11	50	71.0
(YELLOW)	13	20	5	13.0
(GREEN)	13	12	45	70.2
SOLID ARROW (RED)	9	10	50	45.0
(GREEN & YELLOW)	26	10	10	26.0
FLASHING ARROW	4	10	5	2.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	190	50	380.0
TOTAL =				962.2

ENERGY COSTS TO:
 CITY OF GENEVA
 22 S. FIRST STREET
 GENEVA, ILLINOIS 60134
 ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: ---

CONSTRUCTION NOTES:
 ① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.



WALMART ACCESS DRIVE

CABLE PLAN
 (NOT TO SCALE)

FILE NAME 004_Fabyan-Walmart 03.CAB	USER NAME = fbariso	DESIGNED - TFS	REVISED -
		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

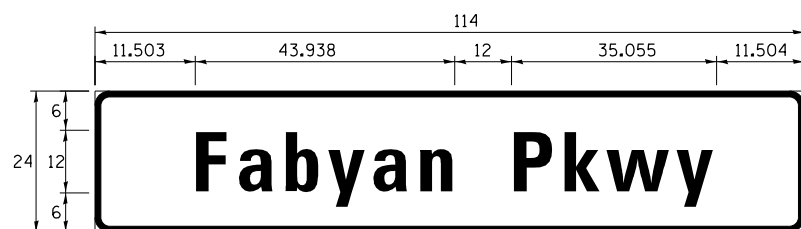
CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FABYAN PARKWAY AND WALMART ACCESS DRIVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	59
CONTRACT NO. 61E74				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	HS1P-W3HX(781)	

SCALE: _____ SHEET NO. _____ OF _____ SHEETS _____ STA. _____ TO STA. _____

SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	19.0	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	72.5
SIGN PANEL - TYPE 2	SQ FT	38
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	148
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	553
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 4	FOOT	1455
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	494.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1069.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3345.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1733.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	624
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
DRILL EXISTING HANDHOLE	EACH	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE	EACH	13
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	13
PEDESTRIAN PUSH-BUTTON	EACH	4
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9065
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	470
* ROD AND CLEAN EXISTING CONDUIT	FOOT	500
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	1
LUMINAIRE, LED, HORIZONTAL MOUNT, 190 WATT (SPECIAL)	EACH	4
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
MAINTAIN EXISTING LIGHTING SYSTEM	LSUM	1

*Nominal Quantity to be Used as Directed by the Engineer

DATE	BY	SURVEYED	ALIGNED	CHECKED
DATE	BY	GRADES	CHECKED	
DATE	BY	BLM. NOTED		
DATE	BY	STRUCTURE	NOTATIONS	CHK'D
DATE	BY	PROFILE		
DATE	BY	NOTE BOOK		
DATE	BY	PLAN		
DATE	BY	SURVEYED	ALIGNED	CHECKED
DATE	BY	GRADES	CHECKED	
DATE	BY	BLM. NOTED		
DATE	BY	STRUCTURE	NOTATIONS	CHK'D

CHRISTOPHER B. BURKE
ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(647) 922-5939



TS SHT NO. 19

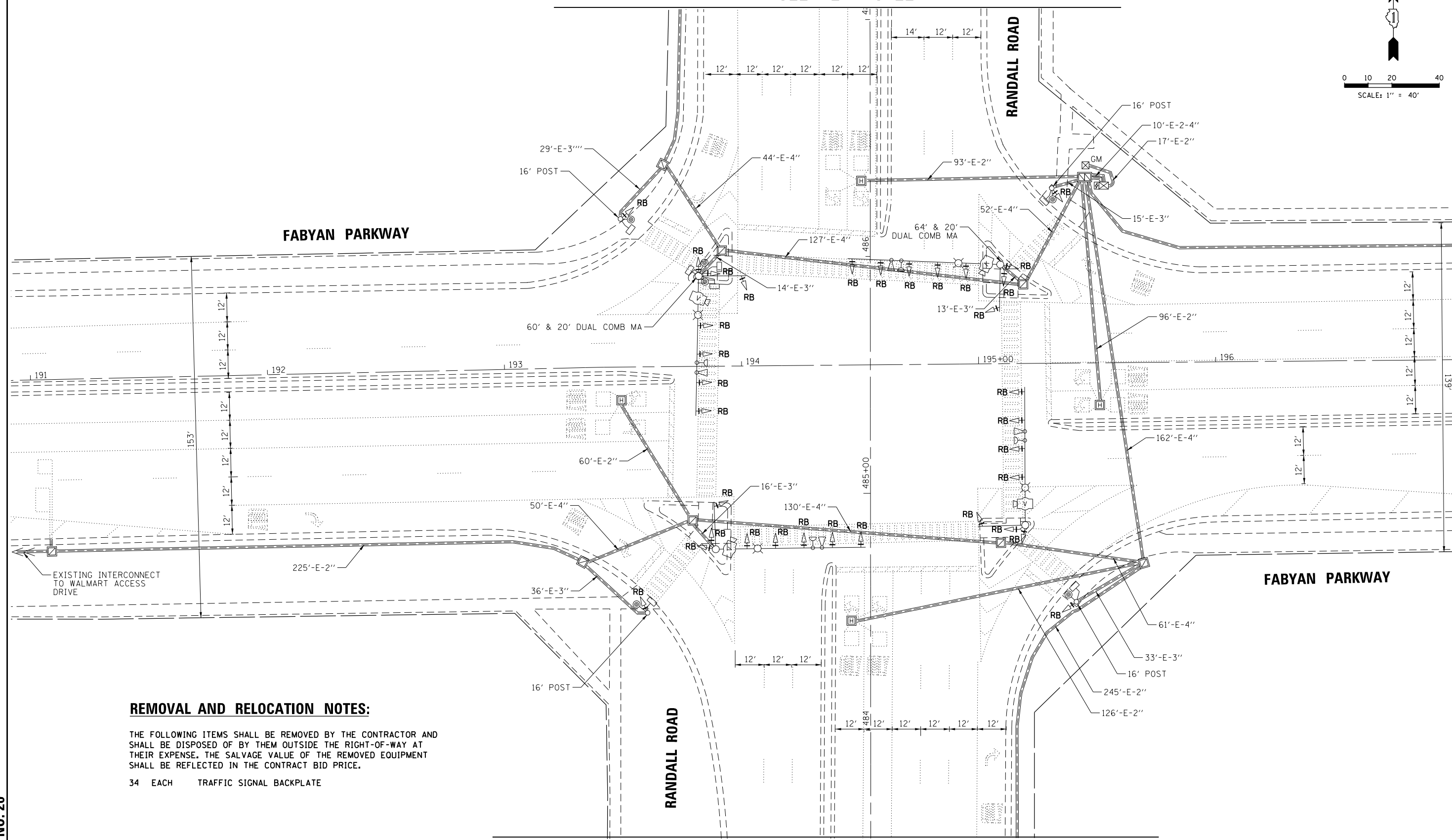
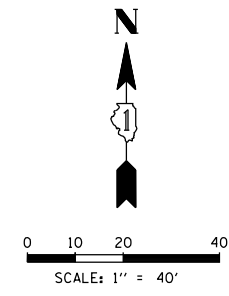
FILE NAME 004_Fabyan-Walmart 03.CAB-2	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN FABYAN PARKWAY AND WALMART ACCESS DRIVE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - FPB	REVISED -		VAR.	12-00424-00-SP	KANE	171	60				
		CHECKED - GMZ	REVISED -						CONTRACT NO. 61E74				
		PLOT DATE = 11/16/2018	DATE - 11/16/2018		REVISIED -	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSJIP-W3HX(781)		

DATE	BY	DATE	BY
PROFILE	SURVEYED	PLAN	SURVEYED
NOTE BOOK NO.	GRADES CHECKED	NOTE BOOK NO.	ALIGNMENT CHECKED
	BLM. NOTED		RT. OF WAY CHECKED
	STRUCTURE NOTATIONS OK'D		ADD. FILE NAME

CHRISTOPHER B. BURKE
ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(647) 823-5938

TS SHT NO. 20

MATCH LINE STA. 1182+75
(SEE NEXT SHEET)



MATCH LINE STA. 197+00
(SEE NEXT SHEET)

REMOVAL AND RELOCATION NOTES:
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
34 EACH TRAFFIC SIGNAL BACKPLATE

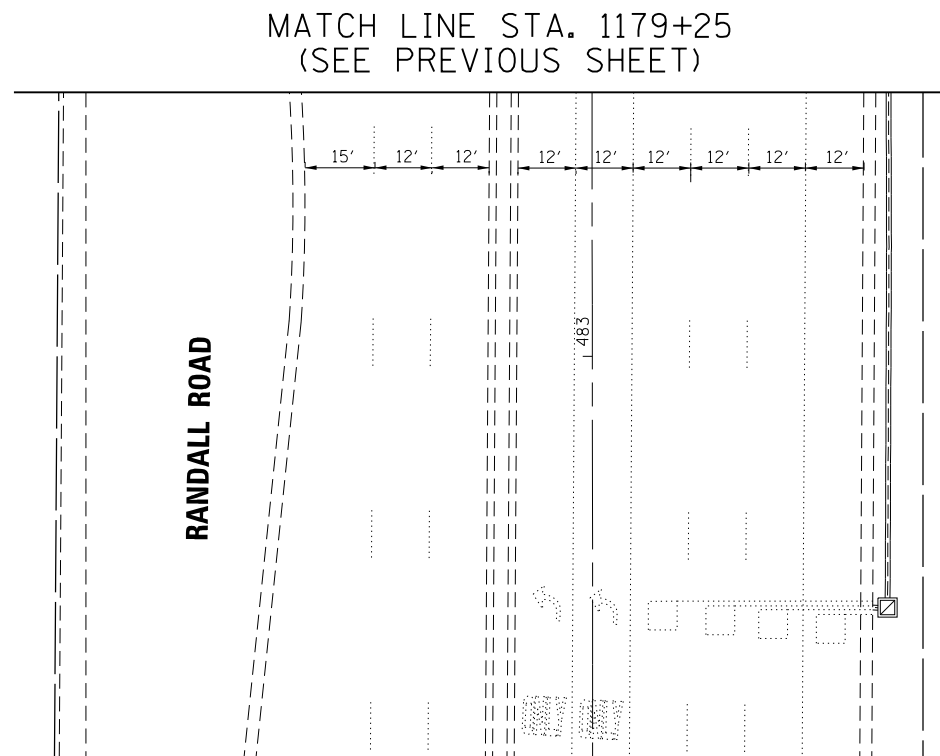
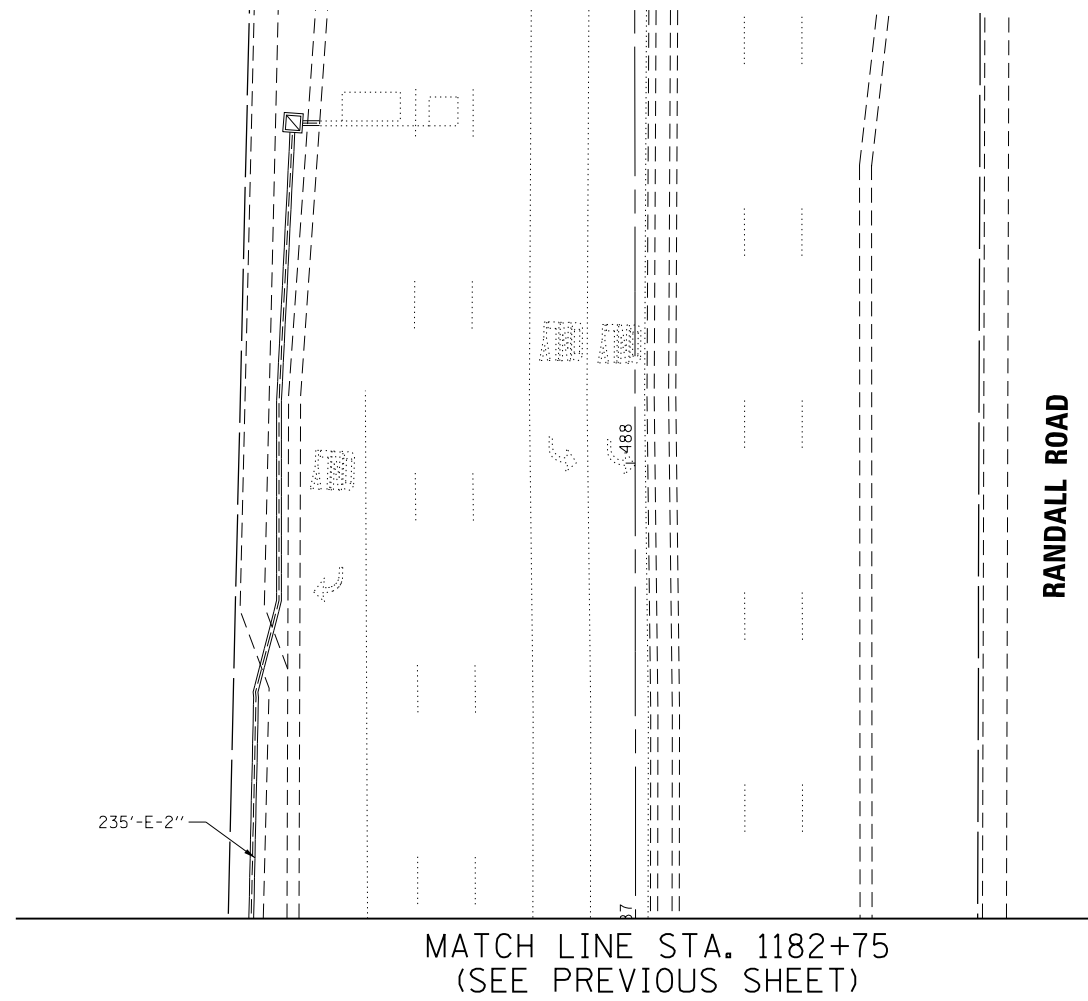
MATCH LINE STA. 1179+25
(SEE NEXT SHEET)

FILE NAME 004A_Fabyan-Randall 01L.MXD	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND RANDALL ROAD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 48'	DRAWN - FPB	REVISED -			VAR.	12-00424-00-SP	KANE	171	61	
	PLOT DATE = 11/16/2018	CHECKED - GMZ	REVISED -			CONTRACT NO. 61E74					
		DATE - 11/16/2018	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSJIP-W3HX(781)			

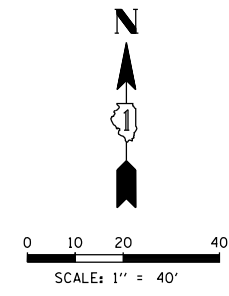
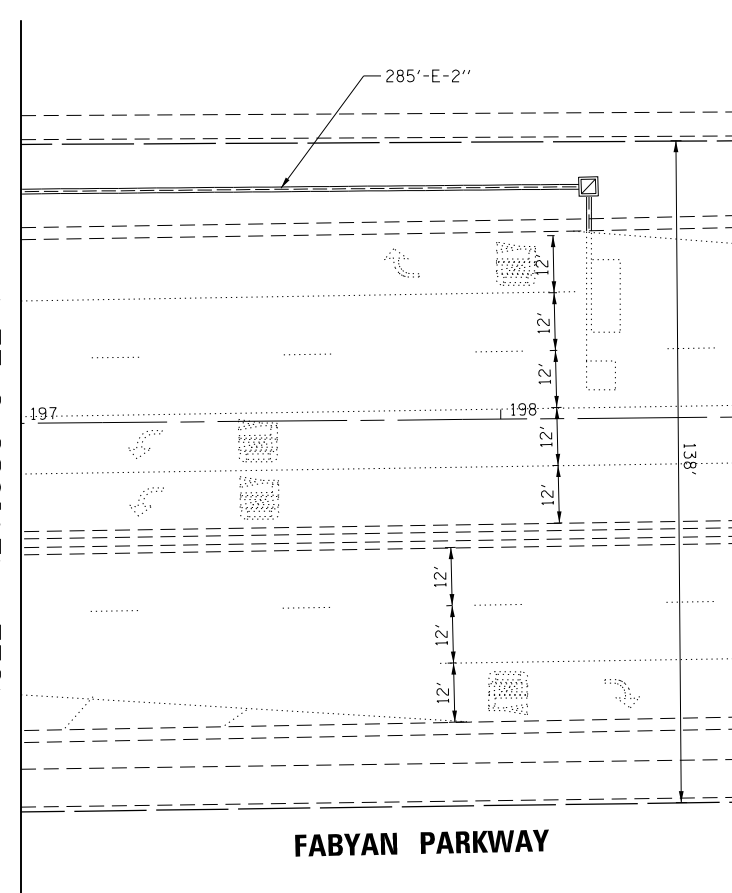
PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	BLM. NOTED		
	STRUCTURE NOTATIONS OK'KO		
PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
	ADD. FILE NAME		

CHRISTOPHER B. BURKE ENGINEERING LTD.
 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5938

TS SHT NO. 21



MATCH LINE STA. 197+00
(SEE PREVIOUS SHEET)



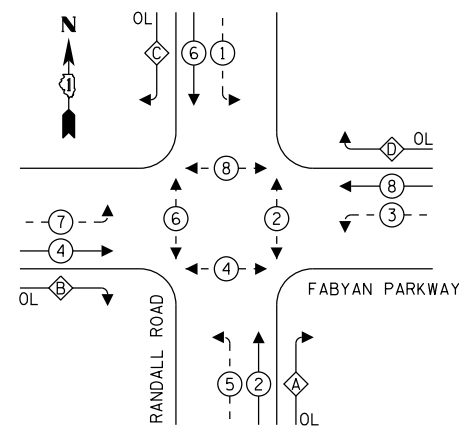
FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -
004A_Fabyan-Randall 02.MOD		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND RANDALL ROAD			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	62
CONTRACT NO. 61E74			HSIP-W3HX(781)	

EXISTING CONTROLLER SEQUENCE

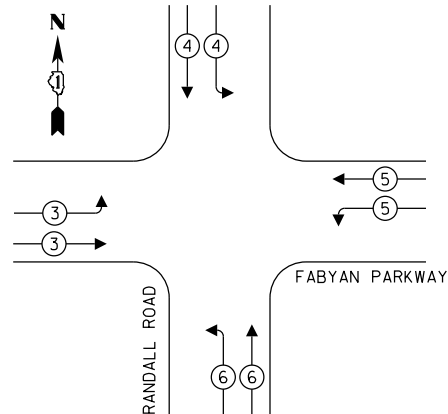


RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	3
B	4	5
C	6	7
D	8	1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	11	50	66.0
(YELLOW)	22	20	5	12.0
(GREEN)	22	12	45	64.8
SOLID ARROW (RED)	12	10	50	40
(GREEN & YELLOW)	48	10	10	32.0
FLASHING ARROW	-	10	5	-
PED. SIGNAL	16	20	100	320.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	PTZ	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	250	50	500.0
TOTAL =				1159.8

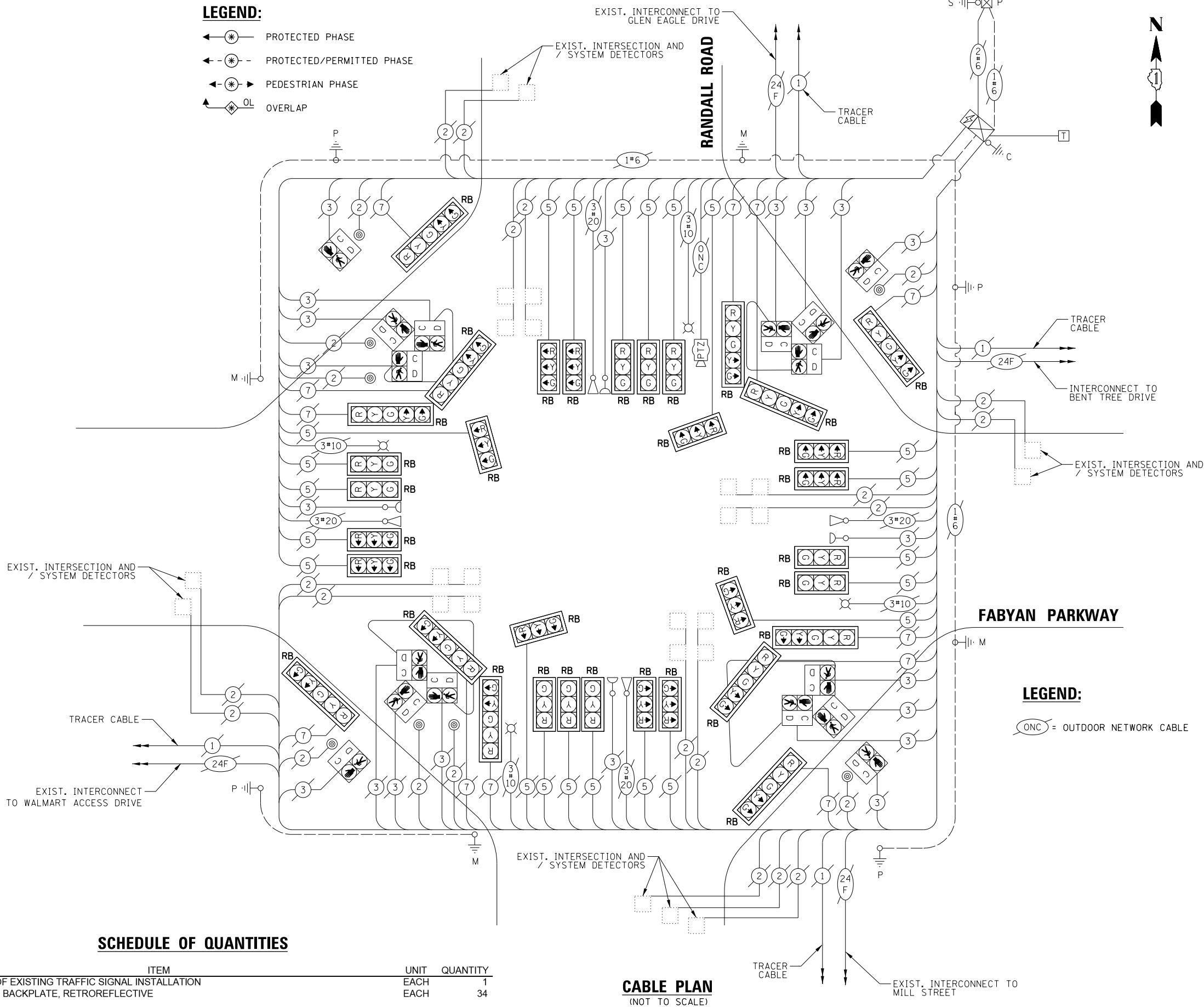
ENERGY COSTS TO:

CITY OF GENEVA
22 S. FIRST STREET
GENEVA, ILLINOIS 60134

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: _____
ACCOUNT NUMBER: ---

LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ ⊖ → PROTECTED/PERMITTED PHASE
- ← ⊙ ⊕ → PEDESTRIAN PHASE
- ← ⊙ ⊖ ⊕ → OVERLAP



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	34

CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
FABYAN PARKWAY AND RANDALL ROAD**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-5P	KANE	171	63
CONTRACT NO. 61E74				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSJIP-W3HX(781)

PROFILE SURVEYED GRADES CHECKED BLANK NOTED STRUCTURE NOTATIONS OKWD
 NOTE BOOK NO. _____
 TS SHT NO. 22
 PLAN SURVEYED ALIGNED CHECKED RT. OF WAY CHECKED ADD. FILE NAME
 NOTE BOOK NO. _____
 BY: _____
 DATE: _____
 ENGINEERING LTD.
CHRISTOPHER B. BURKE
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (617) 823-5500
 DATE: _____
 BY: _____

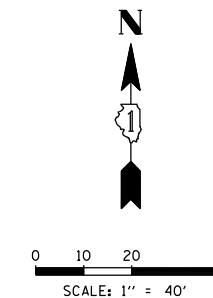
REMOVAL AND RELOCATION NOTES:

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

- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 3 EACH TRAFFIC SIGNAL POST
- 10 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 10 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH LUMINAIRE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 1 EACH CONFIRMATION BEACON
- 1 EACH LIGHT DETECTOR
- 2 EACH VIDEO CAMERA
- 1 EACH PTZ CAMERA



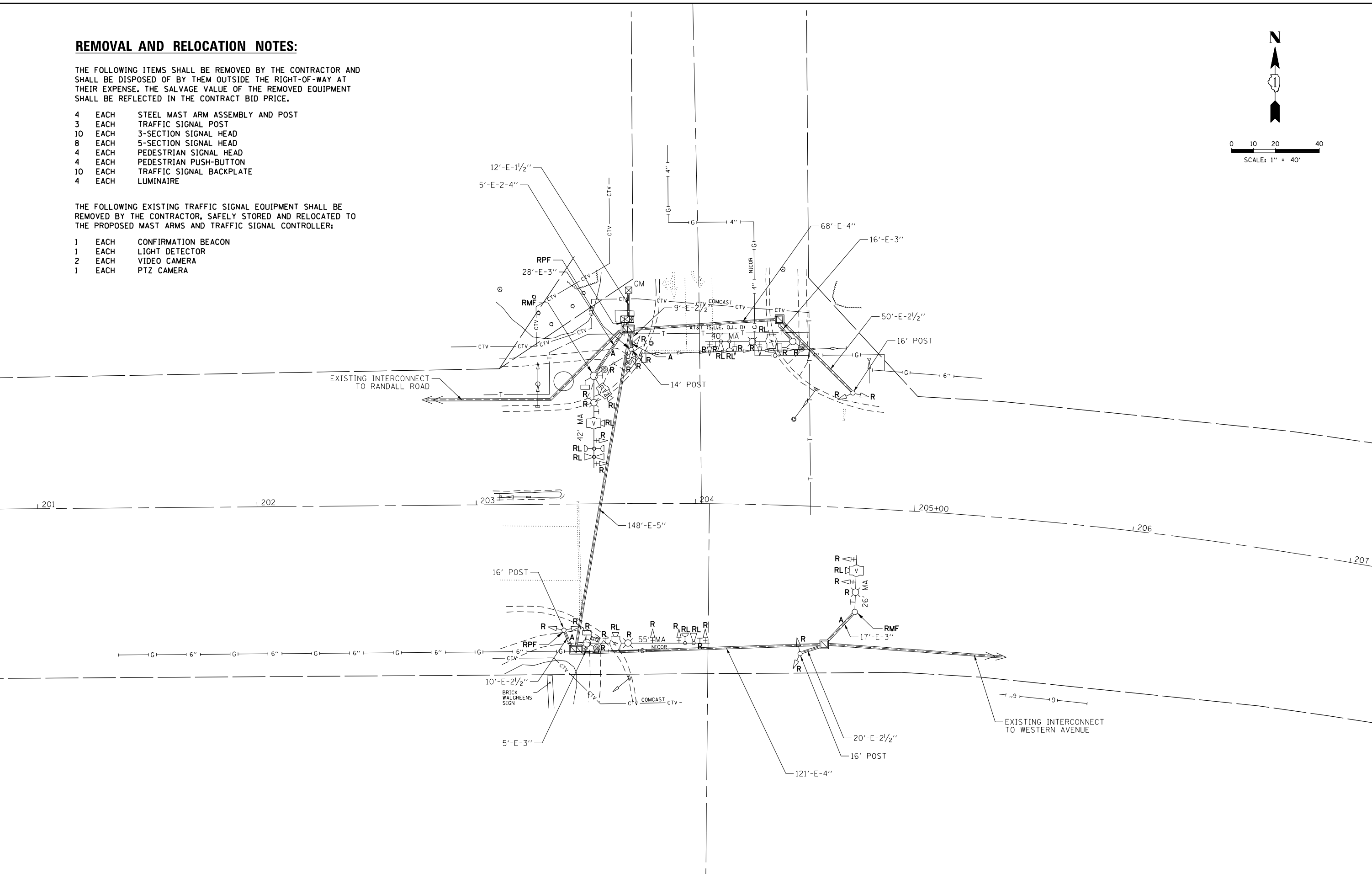
DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY CHECKED	ADD. FILE NAME
DATE	BY	PLAN	NOTE BOOK	NO.		
DATE	BY	PROFILE	NOTE BOOK	NO.		

CHRISTOPHER B. BURKE ENGINEERING LTD.
 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (630) 922-5500



DATE	BY	SURVEYED	GRADES CHECKED	BLM. NOTED	STRUCTURE NOTATIONS OK'D

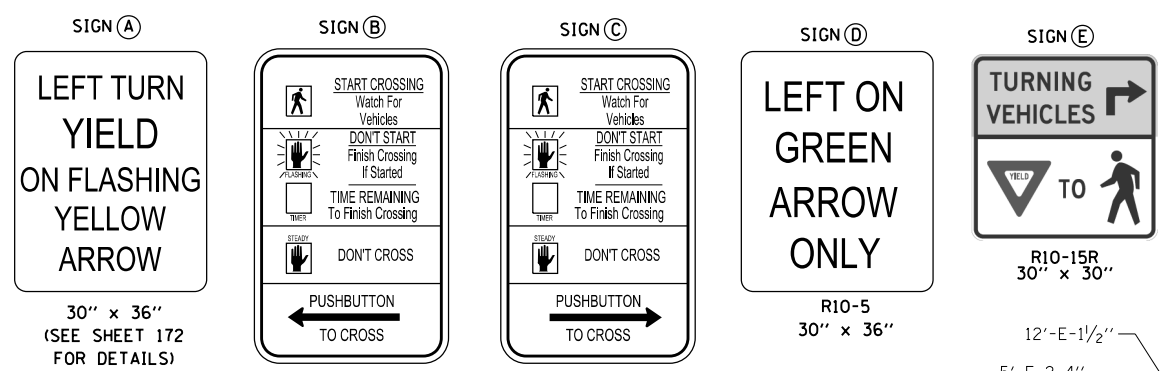
TS SHT NO. 23



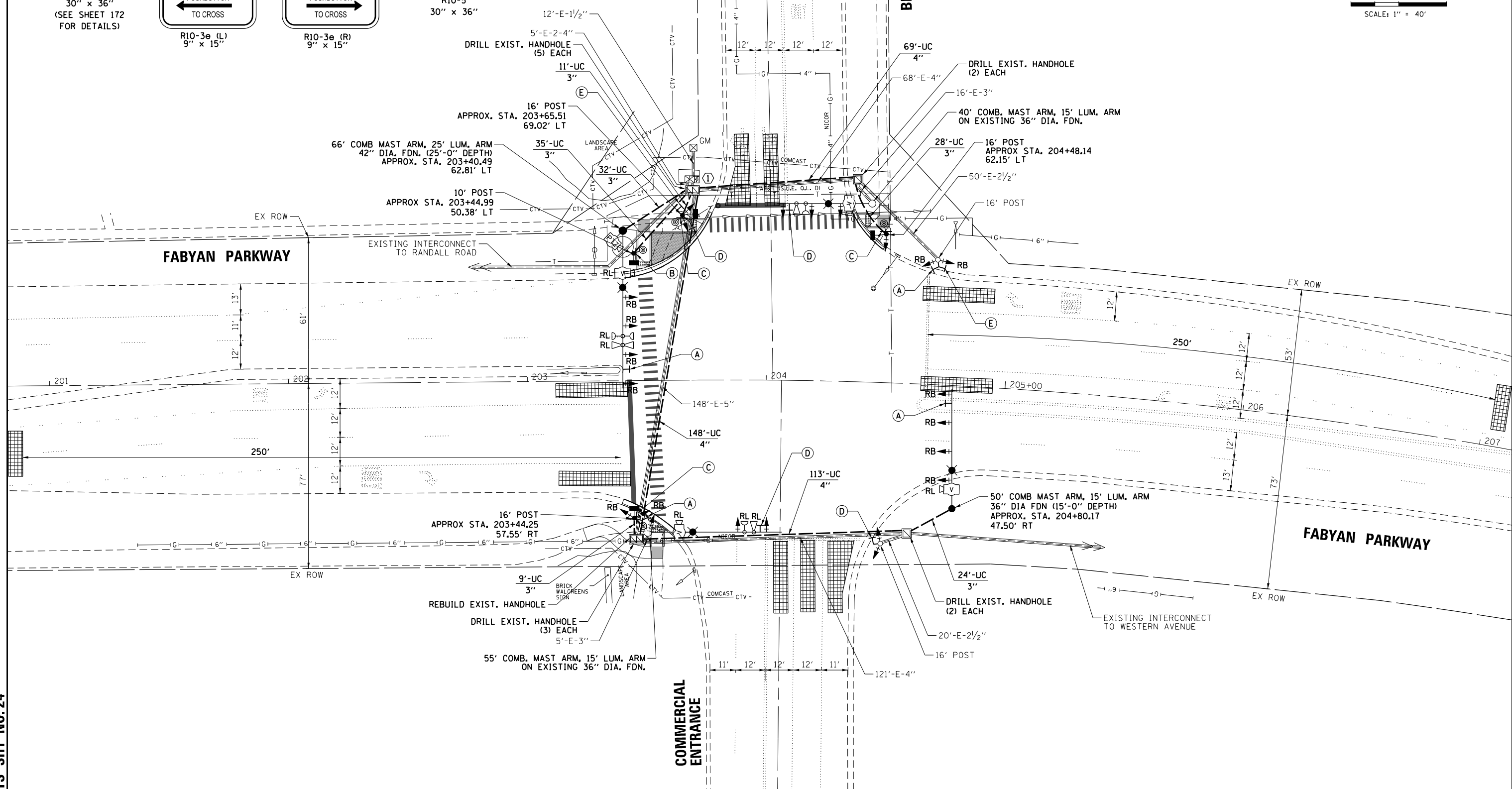
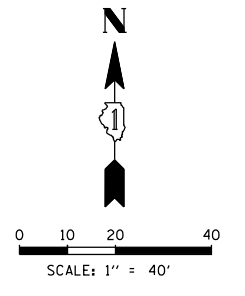
FILE NAME 005_Fabyan-Bent Tree 01.REM	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL REMOVAL PLAN FABYAN PARKWAY AND BENT TREE DRIVE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - FPB	REVISED -		VAR.	12-00424-00-SP	KANE	171	64			
		CHECKED - GMZ	REVISED -		CONTRACT NO. 61E74							
		PLOT DATE = 11/16/2018	DATE = 11/16/2018		REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____ CHECKED: _____
 PLAN: _____ NOTE BOOK: _____ RT. OF WAY CHECKED: _____
 NO. _____ NO. _____ NO. _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-9900
 DATE: _____ BY: _____
 SURVEYED: _____ GRADES CHECKED: _____
 PROFILE: _____ ELEM. NOTED: _____ STRUCTURE NOTATIONS: OKWD
 NO. _____ NO. _____

TS SHT NO.24



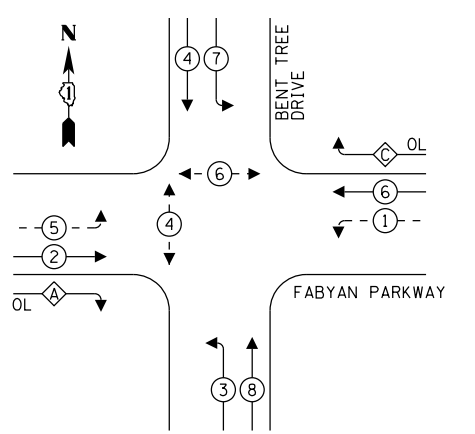
CONSTRUCTION NOTES:
 ① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.



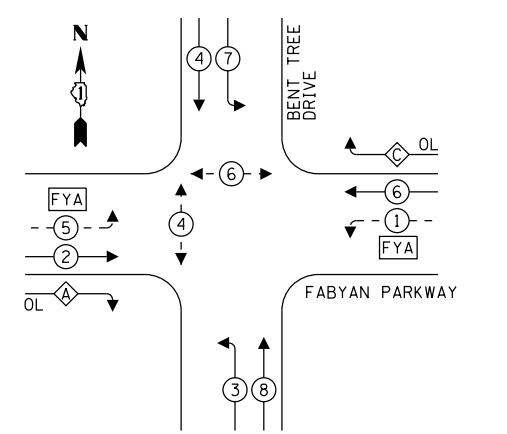
FILE NAME 005.Fabyan-Bent Tree 02.MOD	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN FABYAN PARKWAY AND BENT TREE DRIVE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - FPB	REVISED -			VAR.	12-00424-00-SP	KANE	171	65	
		CHECKED - GMZ	REVISED -			CONTRACT NO. 61E74					
		DATE - 11/16/2018	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____
 GRADES CHECKED: _____ RT. OF WAY CHECKED: _____
 ELEM. NOTED: _____ STRUCTURE NOTATIONS OKWD: _____
 NOTE BOOK NO. _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (630) 923-5500

EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



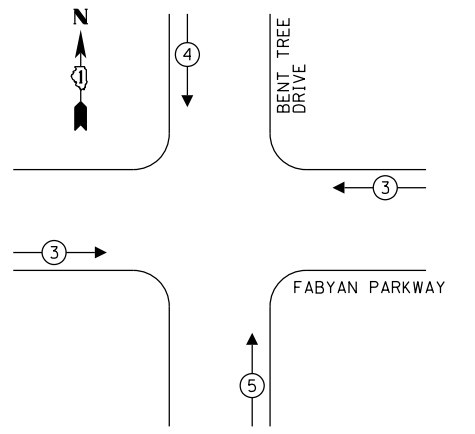
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7

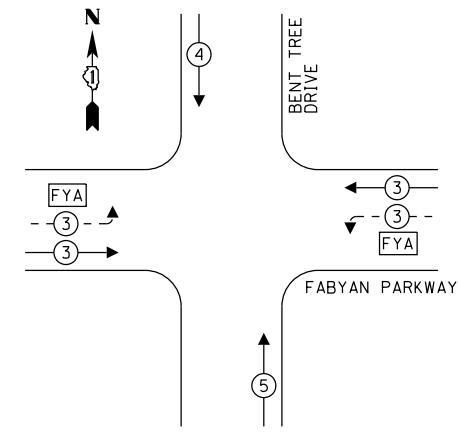
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
SOLID ARROW (RED)	9	10	50	45.0
(GREEN & YELLOW)	26	10	10	26.0
FLASHING ARROW	4	10	5	2.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	190	50	380.0
TOTAL =				974.6

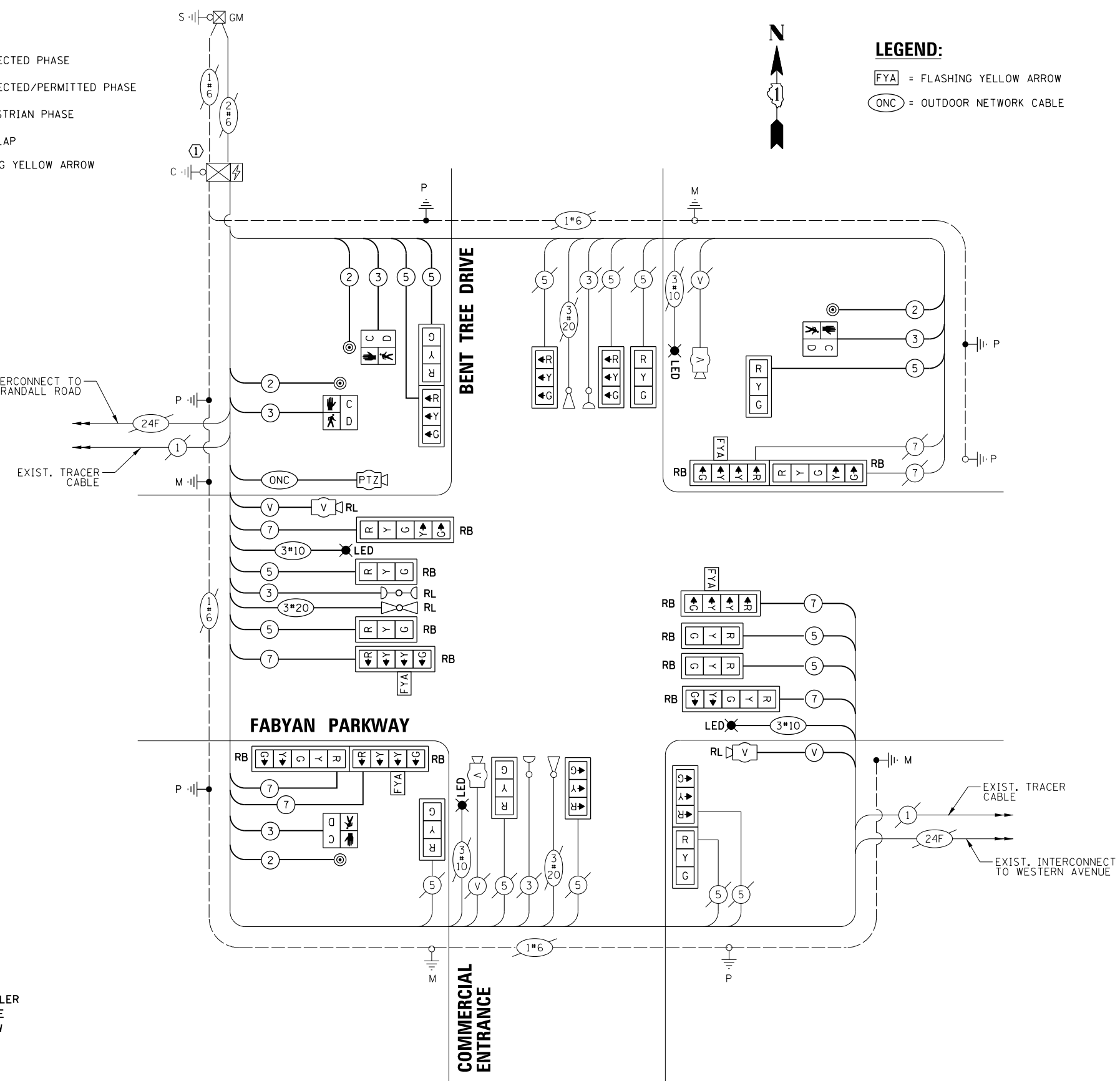
ENERGY COSTS TO:
 CITY OF GENEVA
 22 S. FIRST STREET
 GENEVA, ILLINOIS 60134
 ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: ---

LEGEND:

- ⊙ — PROTECTED PHASE
- ⊙ — PROTECTED/PERMITTED PHASE
- ⊙ — PEDESTRIAN PHASE
- ⊙ OL — OVERLAP
- FYA — FLASHING YELLOW ARROW

LEGEND:

- FYA = FLASHING YELLOW ARROW
- ONC = OUTDOOR NETWORK CABLE



CONSTRUCTION NOTES:

- ① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.

TS SHT NO. 25

CABLE PLAN
(NOT TO SCALE)

FILE NAME 005.Fabyan-Bent Tree 03.CAB	USER NAME = fbariso	DESIGNED - TFS	REVISED -
		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

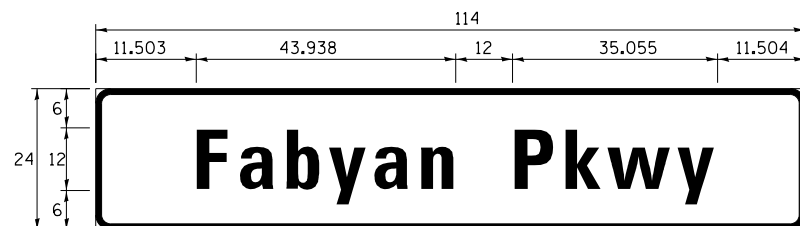
CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
FABYAN PARKWAY AND BENT TREE DRIVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	66
CONTRACT NO. 61E74			HSJIP-W3HX(781)	

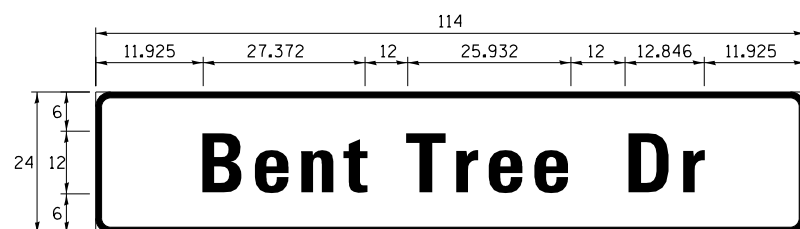
SCALE: SHEET NO. OF SHEETS STA. TO STA.

SIGN PANEL - TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	19.0	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	19.0	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	72.5
SIGN PANEL - TYPE 2	SQ FT	76
MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	345
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	147
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	330
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1506
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	450
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	604
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1256
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1436
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	633
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	25
DRILL EXISTING HANDHOLE	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE	EACH	11
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12
PEDESTRIAN PUSH-BUTTON	EACH	4
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5199
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	125.5
* ROD AND CLEAN EXISTING CONDUIT	FOOT	500
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	1
LUMINAIRE, LED, HORIZONTAL MOUNT, 190 WATT (SPECIAL)	EACH	4
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
RELOCATE EXISTING PTZ CAMERA	EACH	1

*Nominal Quantity to be Used as Directed by the Engineer

DATE	BY	SURVEYED	ALIGNED	CHECKED
DATE	BY	GRADES	CHECKED	
DATE	BY	STRUCTURE	NOTATIONS	CHK'D

CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-9500

FILE	DATE	BY
NOTE BOOK	NO.	

TS SHT NO.26

FILE NAME 005.Fabyan-Bent Tree 03.CAB-2	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN FABYAN PARKWAY AND BENT TREE DRIVE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - FPB	REVISED -		VAR.	12-00424-00-SP	KANE	171	67			
		CHECKED - GMZ	REVISED -		CONTRACT NO. 61E74							
		PLOT SCALE = 48'	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			
		PLOT DATE = 11/16/2018	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSIP-W3HX(781)		

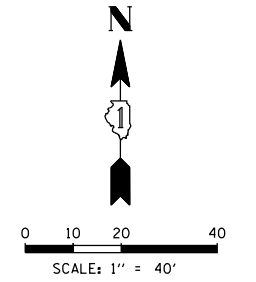
REMOVAL AND RELOCATION NOTES:

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

- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 4 EACH TRAFFIC SIGNAL POST
- 6 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 3 EACH PEDESTRIAN PUSH-BUTTON
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH PTZ CAMERA

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH VIDEO CAMERA

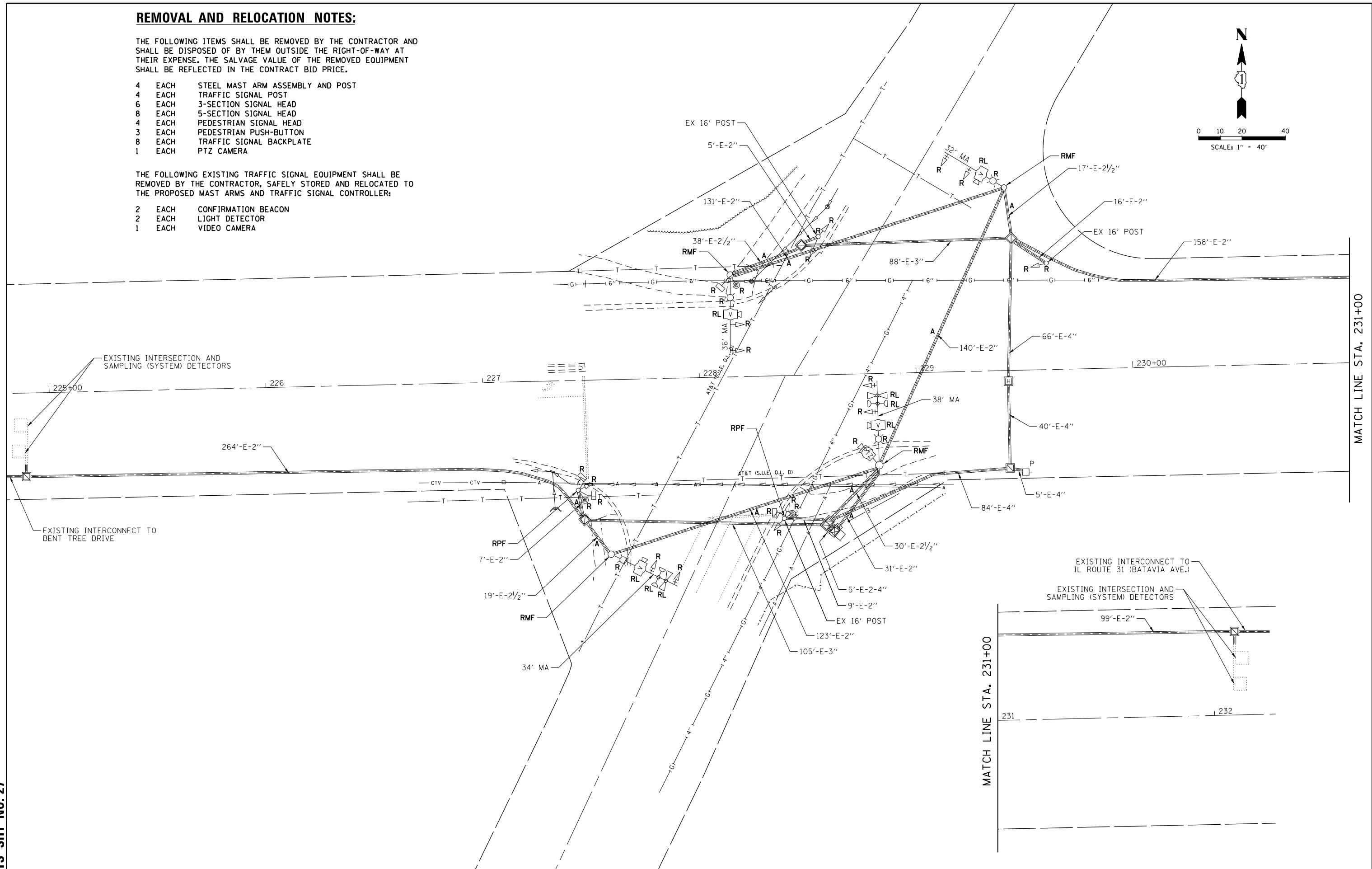


DATE	BY	SURVEYED	ALIGNED	CHECKED
DATE	BY	GRADES	CHECKED	
DATE	BY	BLM	NOTED	
DATE	BY	STRUCTURE	NOTATIONS	CHKD
DATE	BY	PLAN	NOTE BOOK	NO.
DATE	BY	PLAN	NOTE BOOK	NO.

CHRISTOPHER B. BURKE
ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(617) 923-5500

DATE	BY	SURVEYED	ALIGNED	CHECKED
DATE	BY	GRADES	CHECKED	
DATE	BY	BLM	NOTED	
DATE	BY	STRUCTURE	NOTATIONS	CHKD
DATE	BY	PLAN	NOTE BOOK	NO.
DATE	BY	PLAN	NOTE BOOK	NO.

TS SHT NO. 27



FILE NAME 006.Fabyan-Western 01.REM	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL REMOVAL PLAN FABYAN PARKWAY AND WESTERN AVENUE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - FPB	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	VAR.	12-00424-00-SP	KANE	171	68
		CHECKED - GMZ	REVISED -											
		PLOT DATE = 11/16/2018	DATE = 11/16/2018		REVISED -									
										CONTRACT NO. 61E74		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSIP-W3HX(781)		

DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____
 PLAN: _____ CHECKED: _____
 NOTE BOOK: _____ RT. OF WAY CHECKED: _____
 NO.: _____ SADD FILE NAME: _____
 PROFILE: _____ SURVEYED: _____
 NOTE BOOK: _____ GRADES CHECKED: _____
 NO.: _____ ELEM. NOTED: _____
 STRUCTURE NOTATIONS: CWKD

TS SHT NO. 28

FILE NAME: 006.Fabyan-Western 02.MXD
 USER NAME: fbariso
 DESIGNED: TFS
 DRAWN: FPB
 CHECKED: GMZ
 PLOT DATE: 11/16/2018

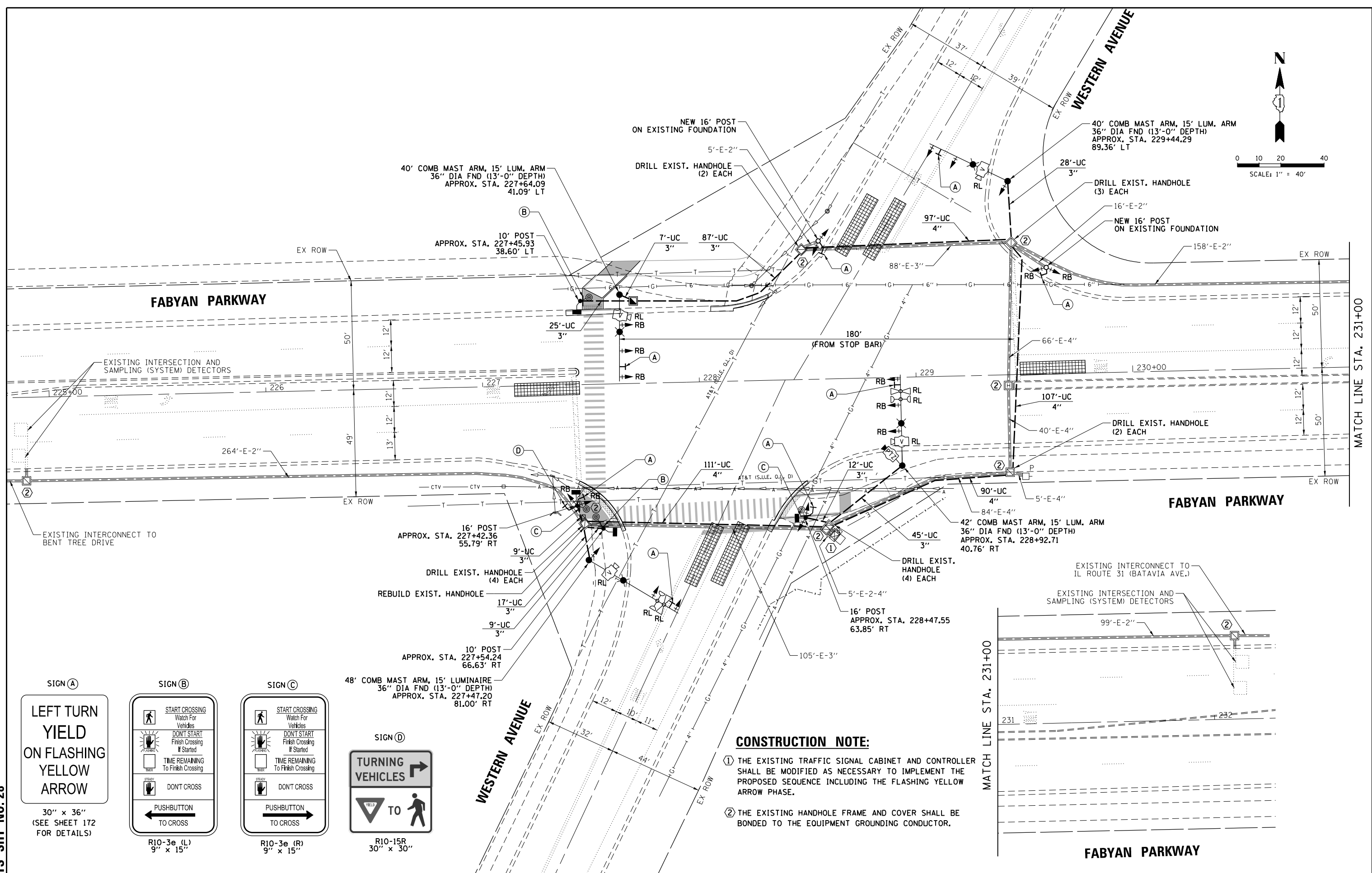
DESIGNED: TFS
 DRAWN: FPB
 CHECKED: GMZ
 DATE: 11/16/2018

REVISED: _____
 REVISED: _____
 REVISED: _____
 REVISED: _____

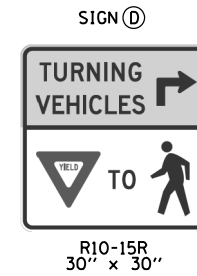
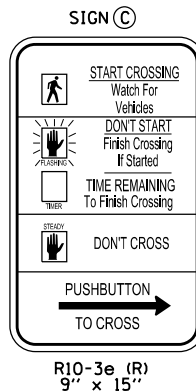
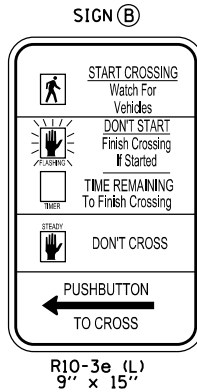
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
 FABYAN PARKWAY AND WESTERN AVENUE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	69
CONTRACT NO. 61E74			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSJIP-W3HX(781)	

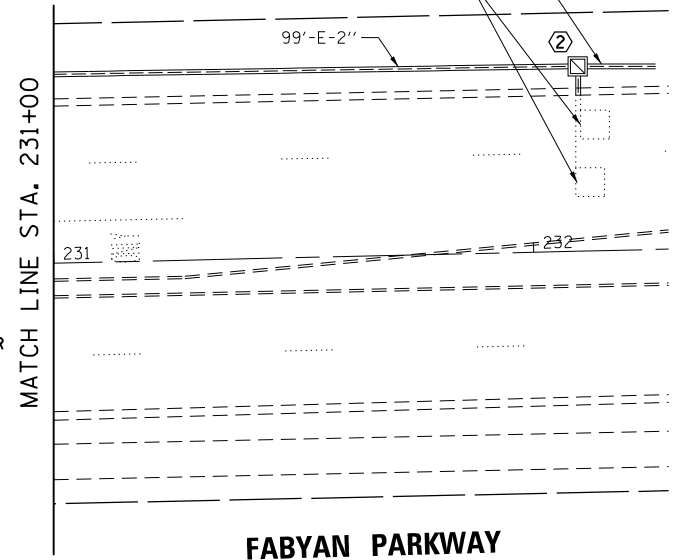


SCALE: 1" = 40'



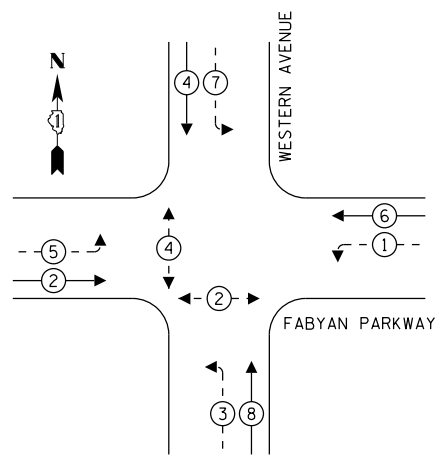
CONSTRUCTION NOTE:

- THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.
- THE EXISTING HANDHOLE FRAME AND COVER SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

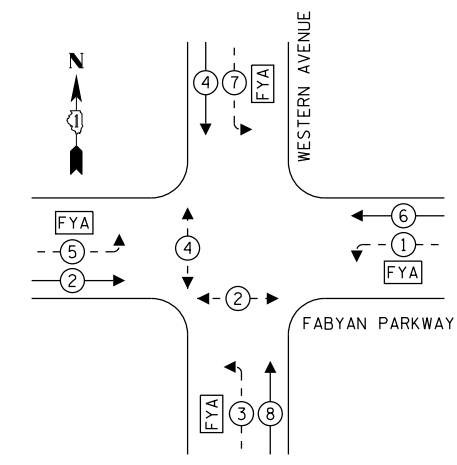


DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____
 PLAN: _____ NOTE BOOK: _____
 NO. _____ NO. _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5930
 DATE: _____ BY: _____
 SURVEYED: _____ GRADES CHECKED: _____
 PROFILE: _____ ELEM. NOTED: _____
 NO. _____ NO. _____
 TS SHT NO. 29

EXISTING CONTROLLER SEQUENCE



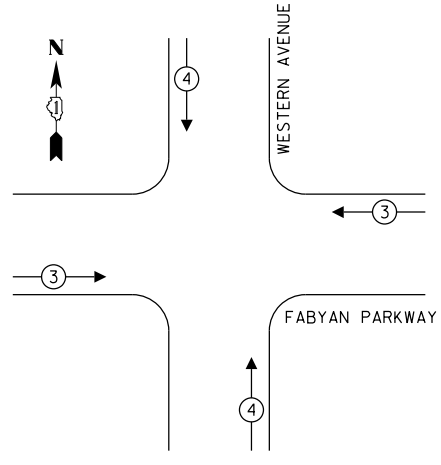
PROPOSED CONTROLLER SEQUENCE



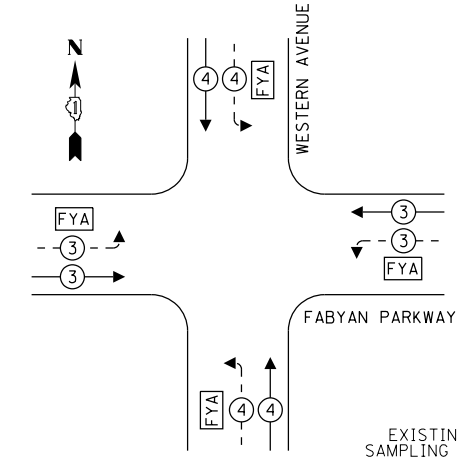
LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP
- FYA FLASHING YELLOW ARROW

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



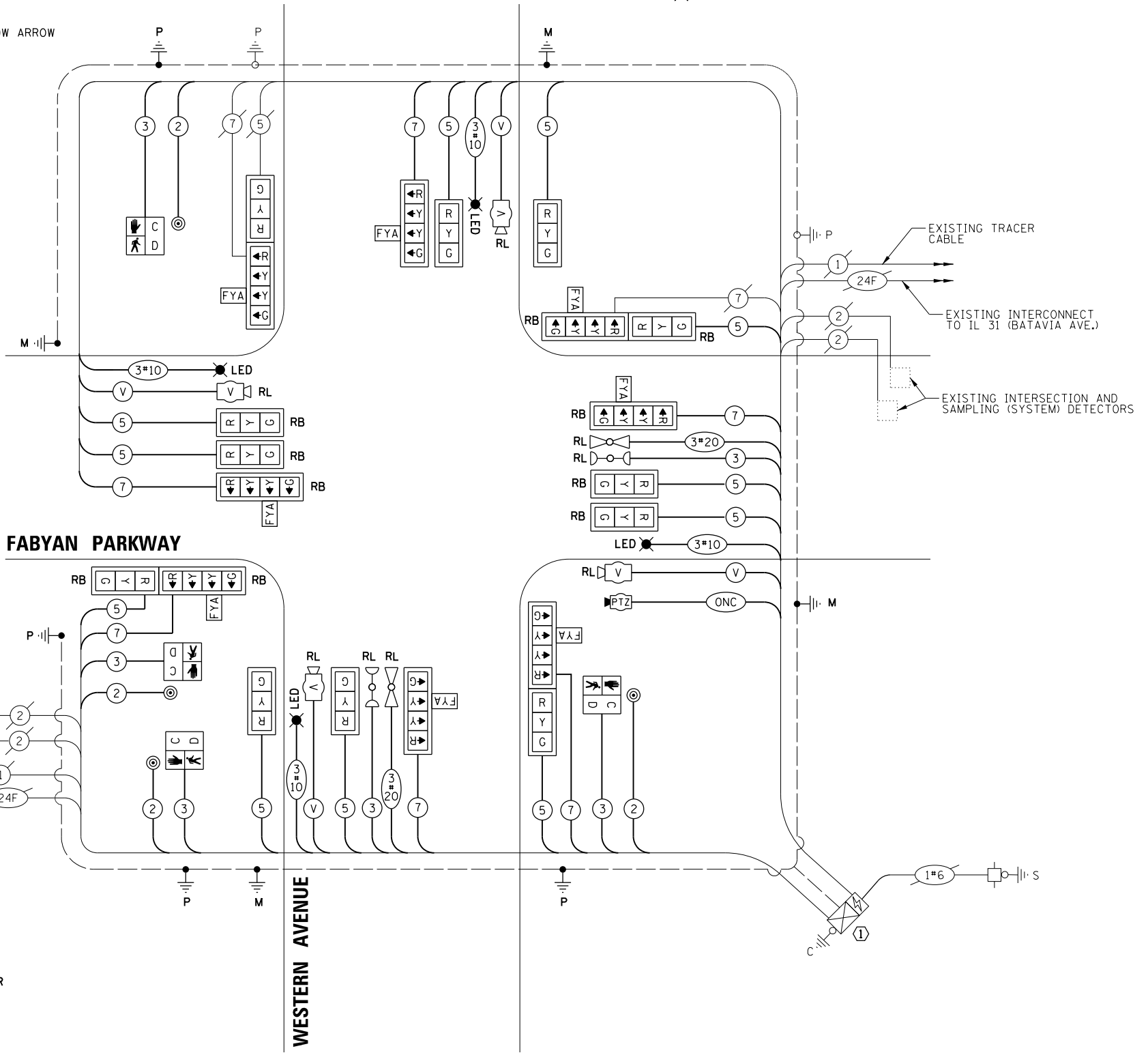
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
SOLID ARROW (RED)	8	10	50	40.0
(GREEN & YELLOW)	16	10	10	16.0
FLASHING ARROW	8	10	5	4.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	190	50	380.0
TOTAL =				937.8

ENERGY COSTS TO:
 CITY OF GENEVA
 22 S. FIRST STREET
 GENEVA, ILLINOIS 60134
 ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: _____

CONSTRUCTION NOTE:

- ① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.
- ② THE EXISTING HANDHOLE FRAME AND COVER SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FABYAN PARKWAY AND WESTERN AVENUE

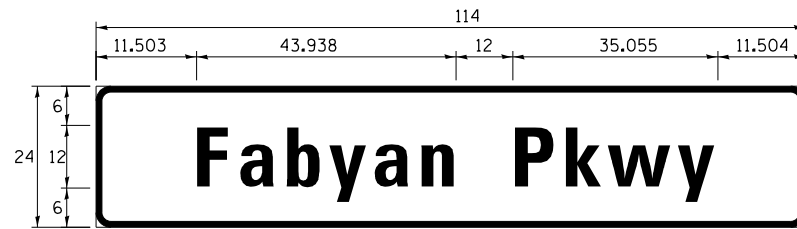
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	70
CONTRACT NO. 61E74			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSJIP-W3HX(781)	

FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -
006.Fabyan-Western 03.CAB		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

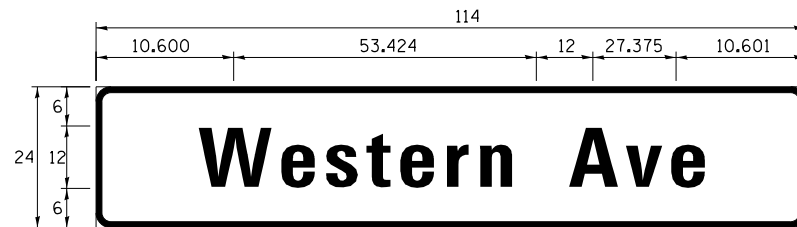
SCALE: SHEET NO. OF SHEETS STA. TO STA.

SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	19.0	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	19.0	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	72.5
SIGN PANEL - TYPE 2	SQ FT	76.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	230.0
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	405.0
HANDHOLE	EACH	1.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3,513.0
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1.0
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	8.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	823.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,199.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,496.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,412.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	702.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	2.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	12.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52.0
DRILL EXISTING HANDHOLE	EACH	13.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6.0
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4.0
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4.0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4.0
TRAFFIC SIGNAL BACKPLATE	EACH	10.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	10.0
PEDESTRIAN PUSH-BUTTON	EACH	4.0
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2.0
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8,659.5
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REBUILD EXISTING HANDHOLE	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6.0
RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	348.5
* ROD AND CLEAN EXISTING CONDUIT	FOOT	500.0
OUTDOOR RATED NETWORK CABLE	FOOT	113.0
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	1.0
LUMINAIRE, LED, HORIZONTAL MOUNT, 190 WATT (SPECIAL)	EACH	4.0
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1.0
INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1.0

*Nominal Quantity to be Used as Directed by the Engineer

DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY CHECKED	ADD. FILE NAME
DATE	BY	GRADES CHECKED	BLM. NOTED	STRUCTURE	NOTATIONS	CHKD
PROFILE	NOTE BOOK	NO.	PLAN	NOTE BOOK	NO.	

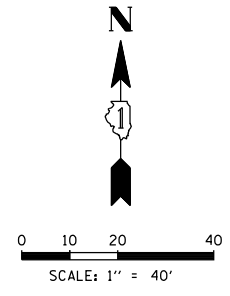
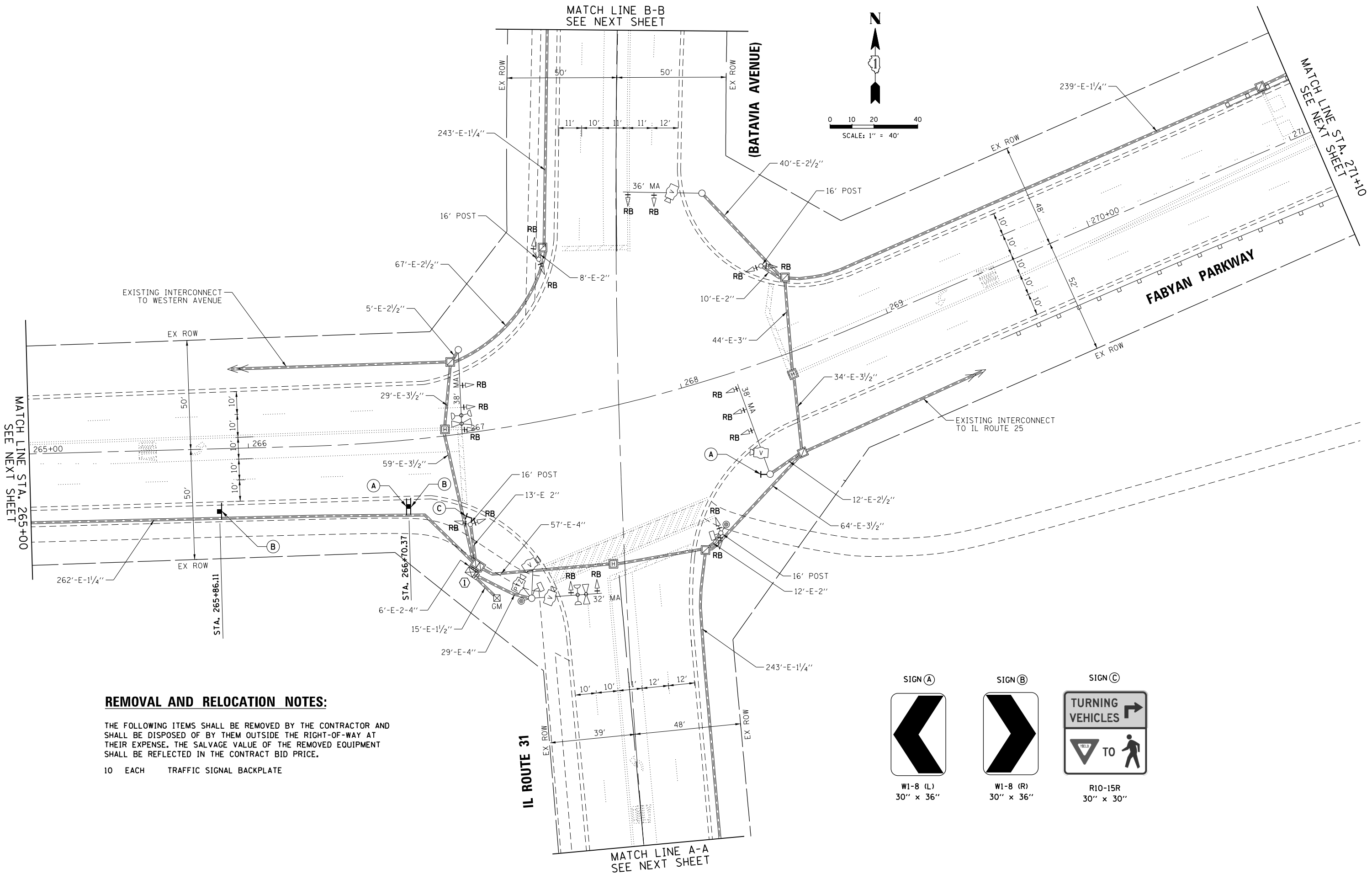
CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5938

TS SHT NO.30

FILE NAME 005.Fabyan-Western 03.CAB-2	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN FABYAN PARKWAY AND WESTERN AVENUE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
		DRAWN - FPB	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	VAR.	12-00424-00-SP	KANE	171	71
		CHECKED - GMZ	REVISED -								CONTRACT NO. 61E74					
		PLOT DATE = 11/16/2018	DATE = 11/16/2018								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSIP-W3HX(781)					

DATE	BY	DATE	BY
PLAN	NO.	PROFILE	NO.
NO.			
SURVEYED		SURVEYED	
ALIGNED		ALIGNED	
CHECKED		CHECKED	
RT. OF WAY CHECKED		RT. OF WAY CHECKED	
ADD. FILE NAME		ADD. FILE NAME	
NO.		NO.	
ENGINEERING LTD.		ENGINEERING LTD.	
B. BURKE		B. BURKE	
3575 West Higgins Road, Suite 600		3575 West Higgins Road, Suite 600	
Rosemont, Illinois 60018		Rosemont, Illinois 60018	
(617) 923-5930		(617) 923-5930	
STRUCTURE NOTATIONS OKWD		STRUCTURE NOTATIONS OKWD	
NO.		NO.	

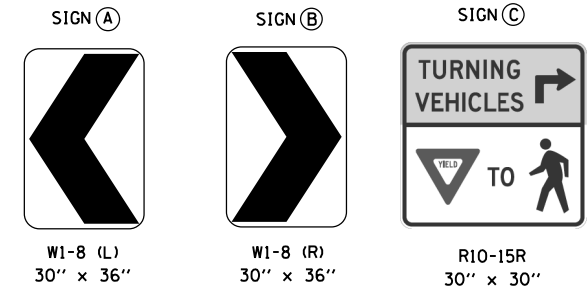
TS SHT NO. 31



REMOVAL AND RELOCATION NOTES:

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

- 10 EACH TRAFFIC SIGNAL BACKPLATE



FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -
007_Fabyan-IL31 01.MXD		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
FABYAN PARKWAY AND IL ROUTE 31 (BATAVIA AVENUE)

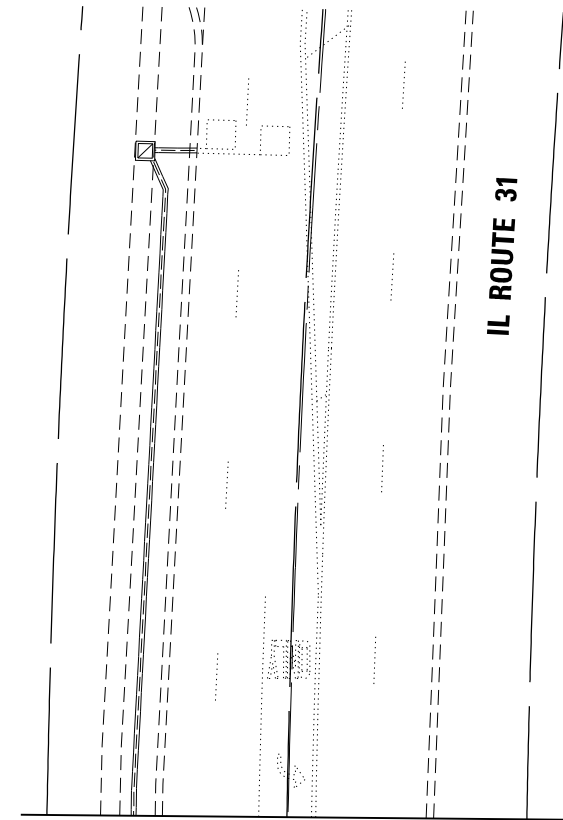
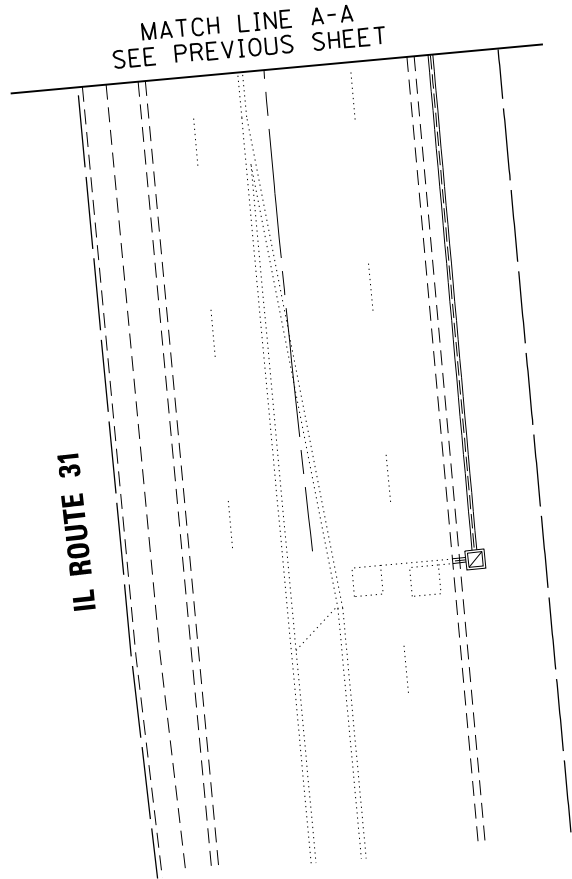
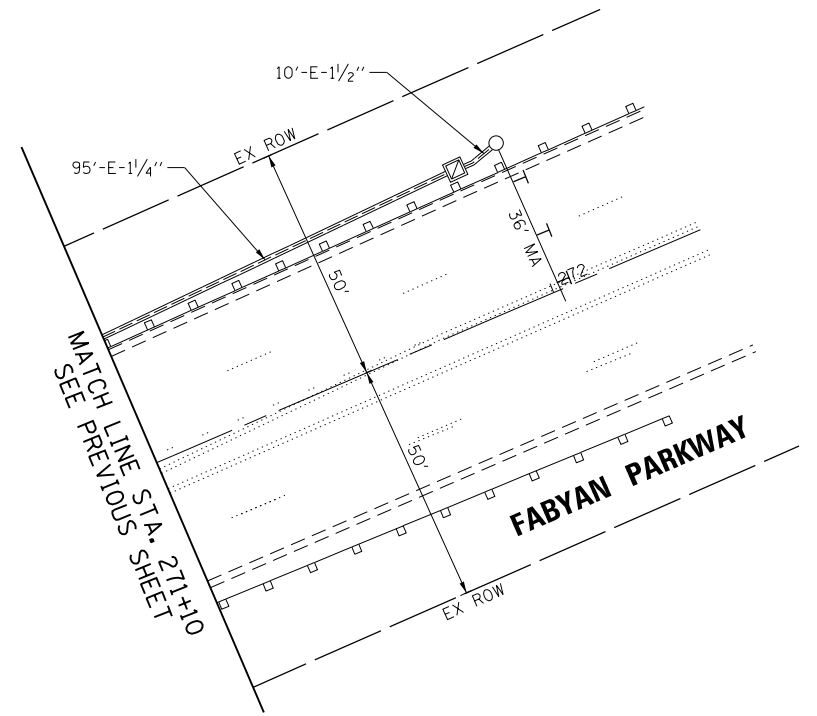
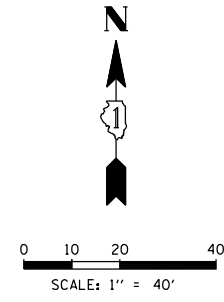
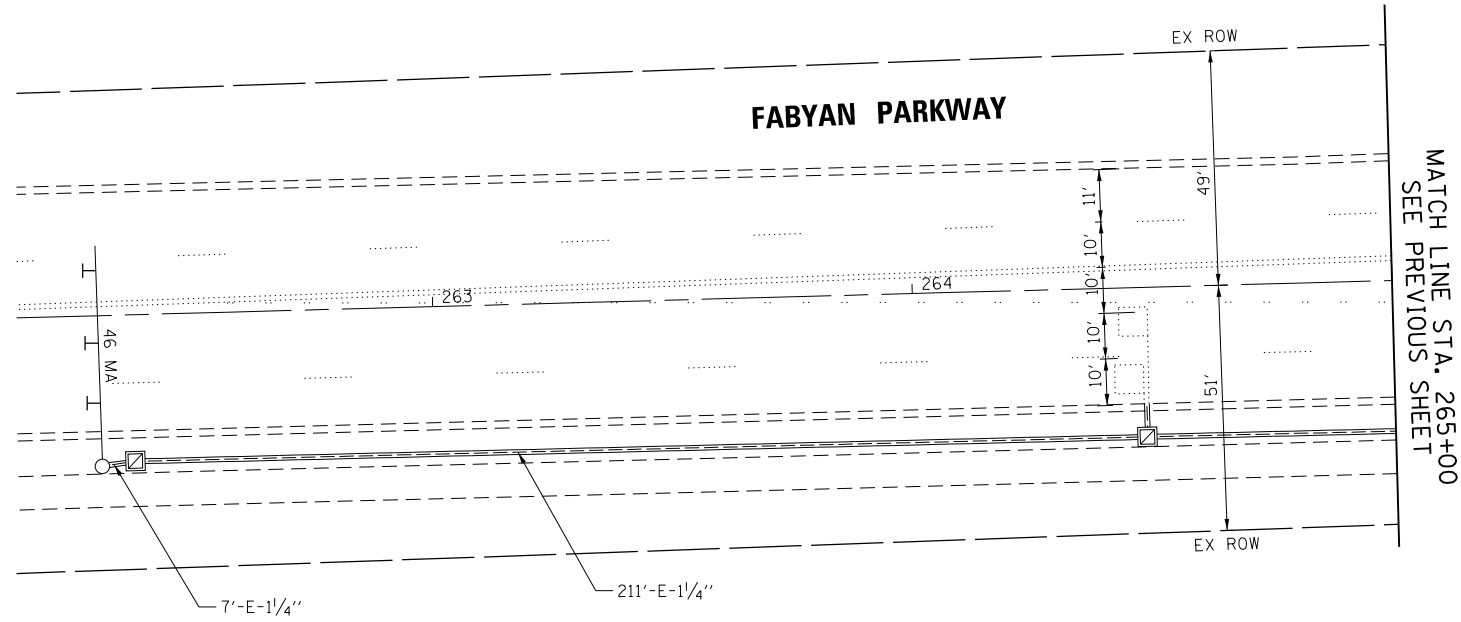
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	72
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61E74	
			HSJIP-W3HX(781)	

SCALE: SHEET NO. OF SHEETS STA. TO STA.

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	BLM. NOTED	
	STRUCTURE NOTATIONS	
	CHKD	
PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNMENT CHECKED	BY
NO.	RT. OF WAY CHECKED	
	PAID FILE NAME	

CHRISTOPHER B. BURKE
ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(617) 923-5930

TS SHT NO. 32



FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -
007_Fabyan-IL31 02.MXD		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

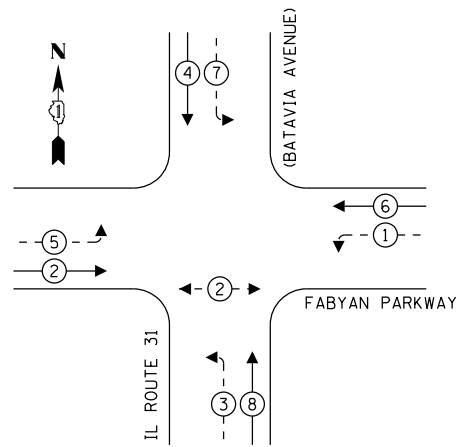
TRAFFIC SIGNAL MODIFICATION PLAN
FABYAN PARKWAY AND IL ROUTE 31 (BATAVIA AVENUE)

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
--------	-----------	-----------	------	---------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	73
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61E74	
			HSIP-W3HX(781)	

BY: _____ DATE: _____
 SURVEYED _____
 ALIGNED _____
 CHECKED _____
 RT. OF WAY CHECKED _____
 ADD. FILE NAME _____
 PLAN NO. _____
 NOTE BOOK NO. _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (617) 923-5500
 BY: _____ DATE: _____
 SURVEYED _____
 GRADES CHECKED _____
 ELEM. NOTED _____
 STRUCTURE NOTATIONS OK/NO

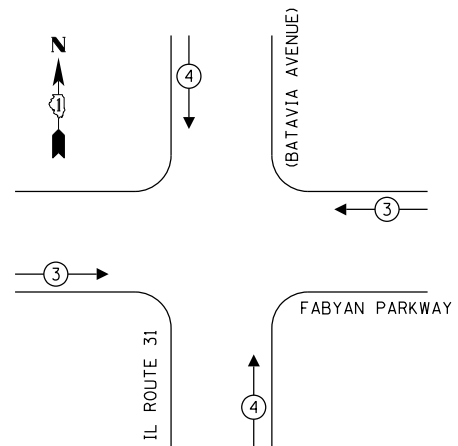
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

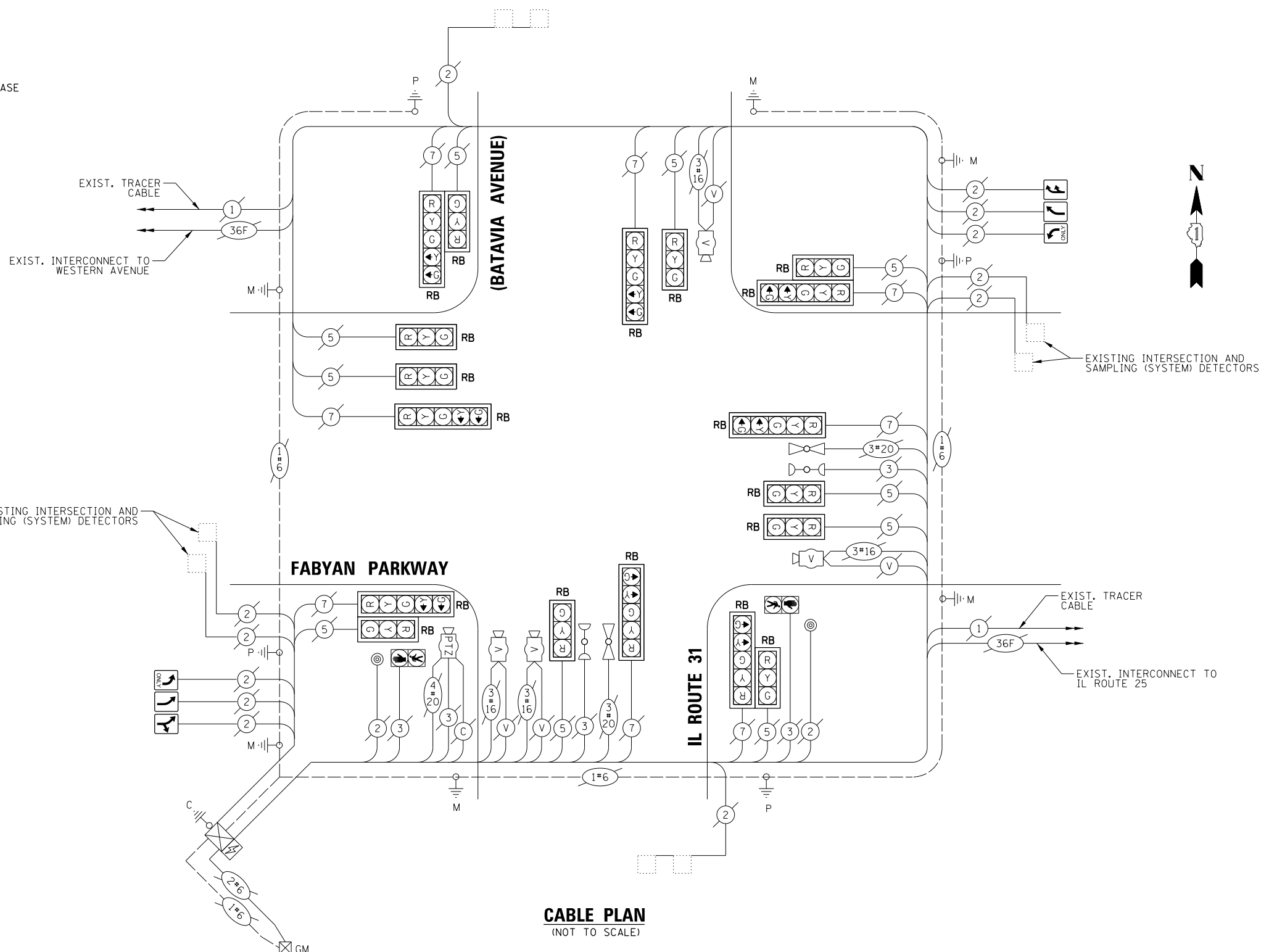
EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
SOLID ARROW (RED)	-	10	50	-
(GREEN & YELLOW)	16	10	10	16.0
FLASHING ARROW	-	10	5	-
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
ILLUMINATED SIGN	6	120	50	360.0
LUMINAIRE	-	250	50	-
TOTAL =				905.2

ENERGY COSTS TO:
 CITY OF BATAVIA
 400 S. SHUMWAY AVENUE
 BATAVIA, ILLINOIS 60510
 ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	36.3
TELESCOPING STEEL SIGN SUPPORT	FOOT	30.0
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	18.0
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6,728.0

TS SHT NO. 33

FILE NAME 007_Fabyan-IL31 03.CAB	USER NAME = fbariso	DESIGNED - TFS	REVISED -
		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
FABYAN PARKWAY AND IL ROUTE 31 (BATAVIA AVENUE)**

SCALE: _____ SHEET NO. _____ OF _____ SHEETS _____ STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	74
CONTRACT NO. 61E74				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HS1P-W3HX(781)		

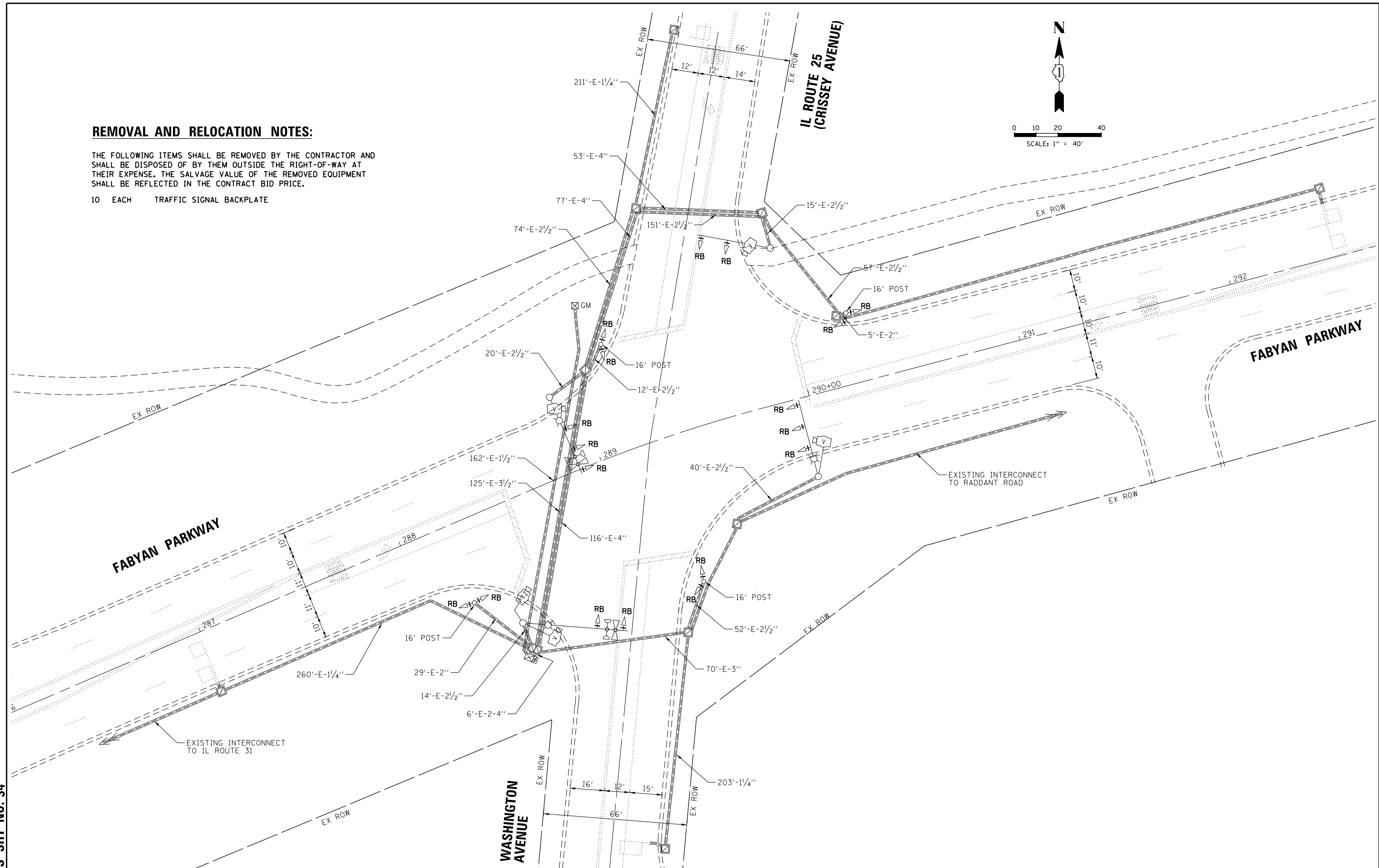
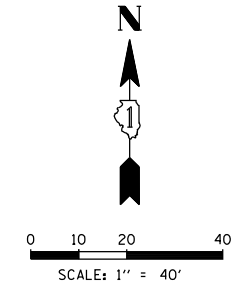
PROFILE SURVEYED _____ DATE _____
 NOTE BOOK _____
 GRADES CHECKED _____
 STRUCTURE NOTATIONS CWKD
 PLAN SURVEYED _____ DATE _____
 NOTE BOOK _____
 ALIGNMENT CHECKED _____
 RT. OF WAY CHECKED _____
 CADD FILE NAME _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5938

TS SHT NO. 34

REMOVAL AND RELOCATION NOTES:

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

- 10 EACH TRAFFIC SIGNAL BACKPLATE



FILE NAME	008.Fabyan-IL25 01.MOD
USER NAME	fbariso
DESIGNED	TFS
REVIS	-
DRAWN	FPB
REVIS	-
CHECKED	GMZ
REVIS	-
DATE	11/16/2018
REVIS	-

DESIGNED	TFS	REVIS	-
DRAWN	FPB	REVIS	-
CHECKED	GMZ	REVIS	-
DATE	11/16/2018	REVIS	-

DESIGNED	TFS	REVIS	-
DRAWN	FPB	REVIS	-
CHECKED	GMZ	REVIS	-
DATE	11/16/2018	REVIS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
FABYAN PARKWAY AND WASHINGTON AVENUE /
IL ROUTE 25 (CRISSEY AVENUE)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	75
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61E74	
			HSIP-W3HX(781)	

SCALE: SHEET NO. OF SHEETS STA. TO STA.

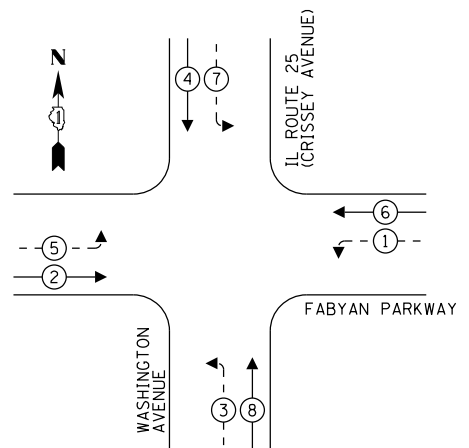
DATE	BY	DATE	BY
DATE	BY	DATE	BY

TS SHT NO. 35

FILE NAME
008_Fabyan-IL25 02-CAB

USER NAME = fbariso

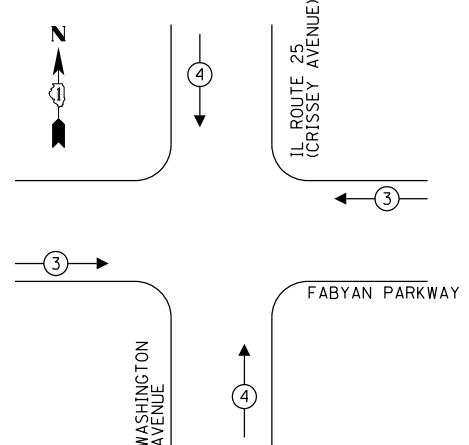
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← ⊛ ← PROTECTED PHASE
- ← ⊛ - PROTECTED/PERMITTED PHASE
- ← ⊛ → PEDESTRIAN PHASE
- ⊛ OL OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

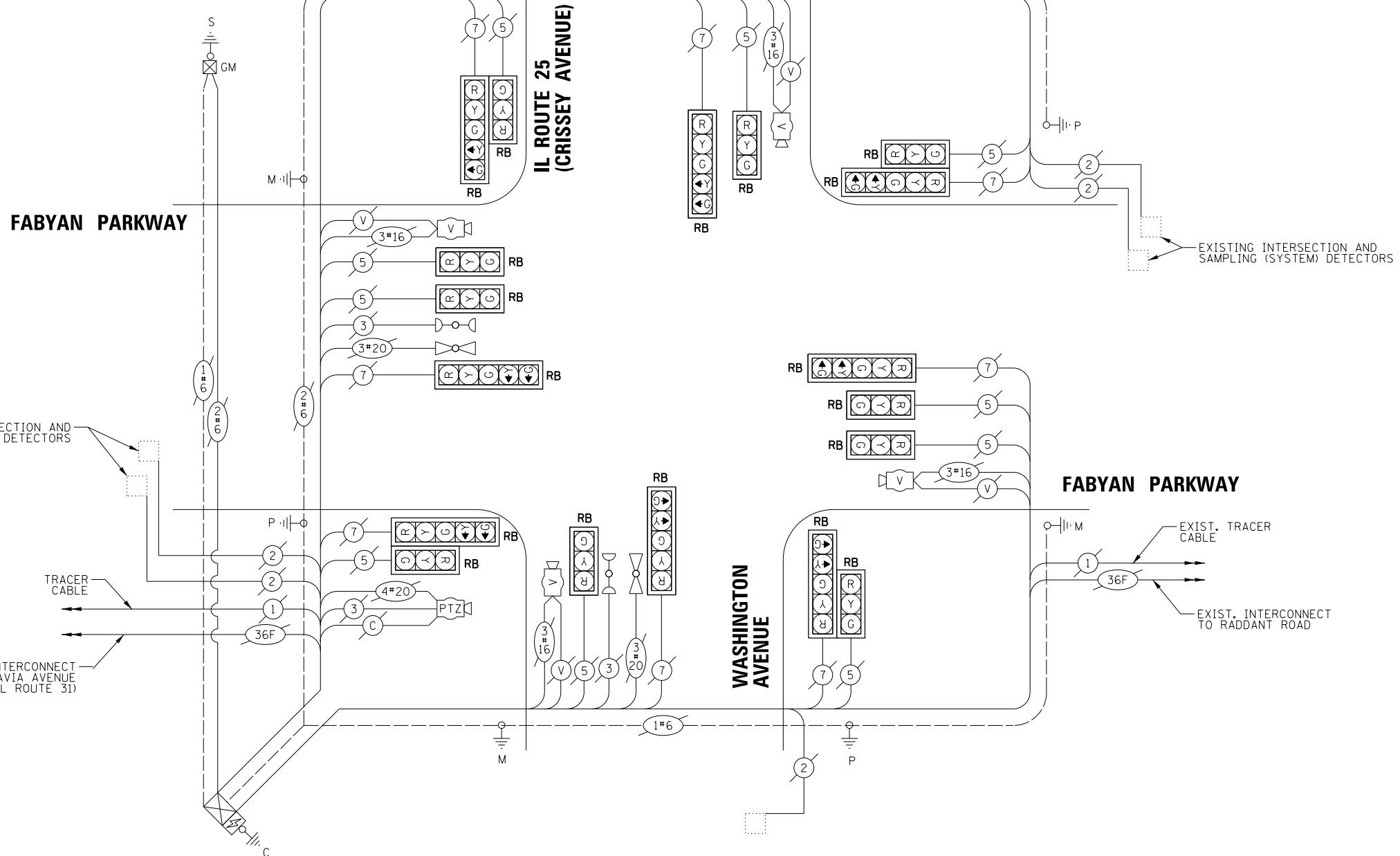
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
SOLID ARROW (RED)	-	10	50	-
(GREEN & YELLOW)	16	10	10	16.0
FLASHING ARROW	-	10	5	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
TOTAL =				505.2

ENERGY COSTS TO:
CITY OF BATAVIA
400 S. SHUMWAY AVENUE
BATAVIA, ILLINOIS 60510

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: _____
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	18.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1.0



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
FABYAN PARKWAY & WASHINGTON AVE / IL ROUTE 25 (CRISSEY AVE.)**

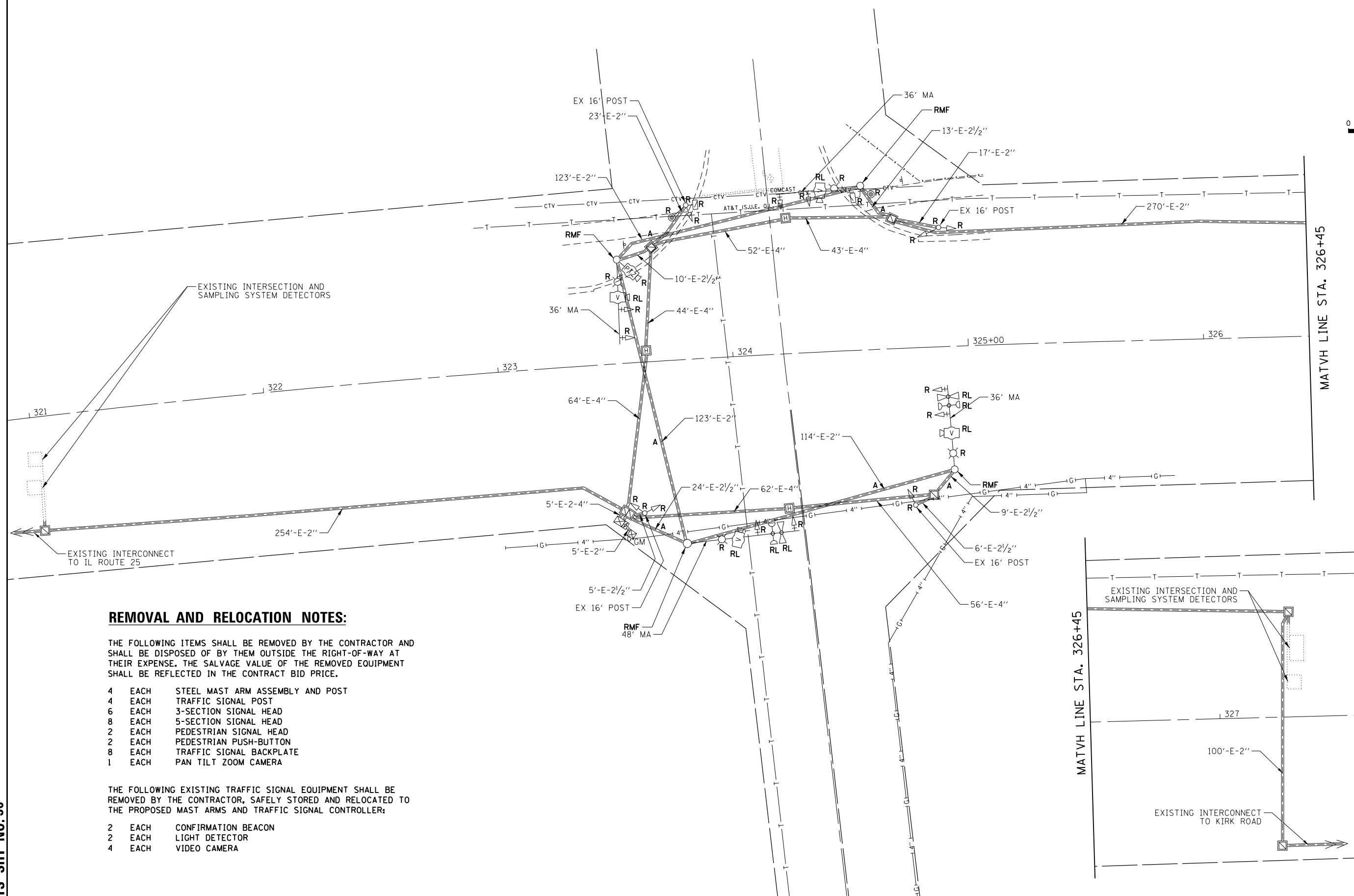
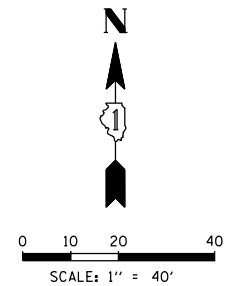
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	76
CONTRACT NO. 61E74			HSJP-W3HX(781)	

SCALE: SHEET NO. OF SHEETS STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

DATE	BY	SURVEYED	ALIGNED	CHECKED	DATE
		CTV	CTV	CTV	
PLAN	NO.	NOTE BOOK	NO.	DATE	BY
ENGINEERING LTD.	ROSENBERG	ILLINOIS	60018	(617) 923-5930	
DATE	BY	SURVEYED	GRADES	CHECKED	DATE
		CTV	CTV	CTV	
PROFILE	NO.	NOTE BOOK	NO.	DATE	BY

TS SHT NO. 36



REMOVAL AND RELOCATION NOTES:

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

- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 4 EACH TRAFFIC SIGNAL POST
- 6 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH PAN TILT ZOOM CAMERA

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 4 EACH VIDEO CAMERA

FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -
009_Fabyan-Raddant 01.REM		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

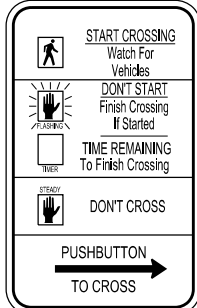
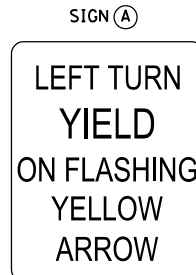
**TRAFFIC SIGNAL REMOVAL PLAN
FABYAN PARKWAY AND RADDANT ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	77
CONTRACT NO. 61E74		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSIP-W3HX(781)		

SCALE: SHEET NO. OF SHEETS STA. TO STA.

DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____ CHECKED: _____
 PLAN: _____ RT. OF WAY CHECKED: _____
 NO. _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (630) 922-5900
 DATE: _____ BY: _____
 SURVEYED: _____ GRADES CHECKED: _____
 PROFILE: _____ ELEM. NOTED: _____
 NO. _____ STRUCTURE NOTATIONS: CWK/D

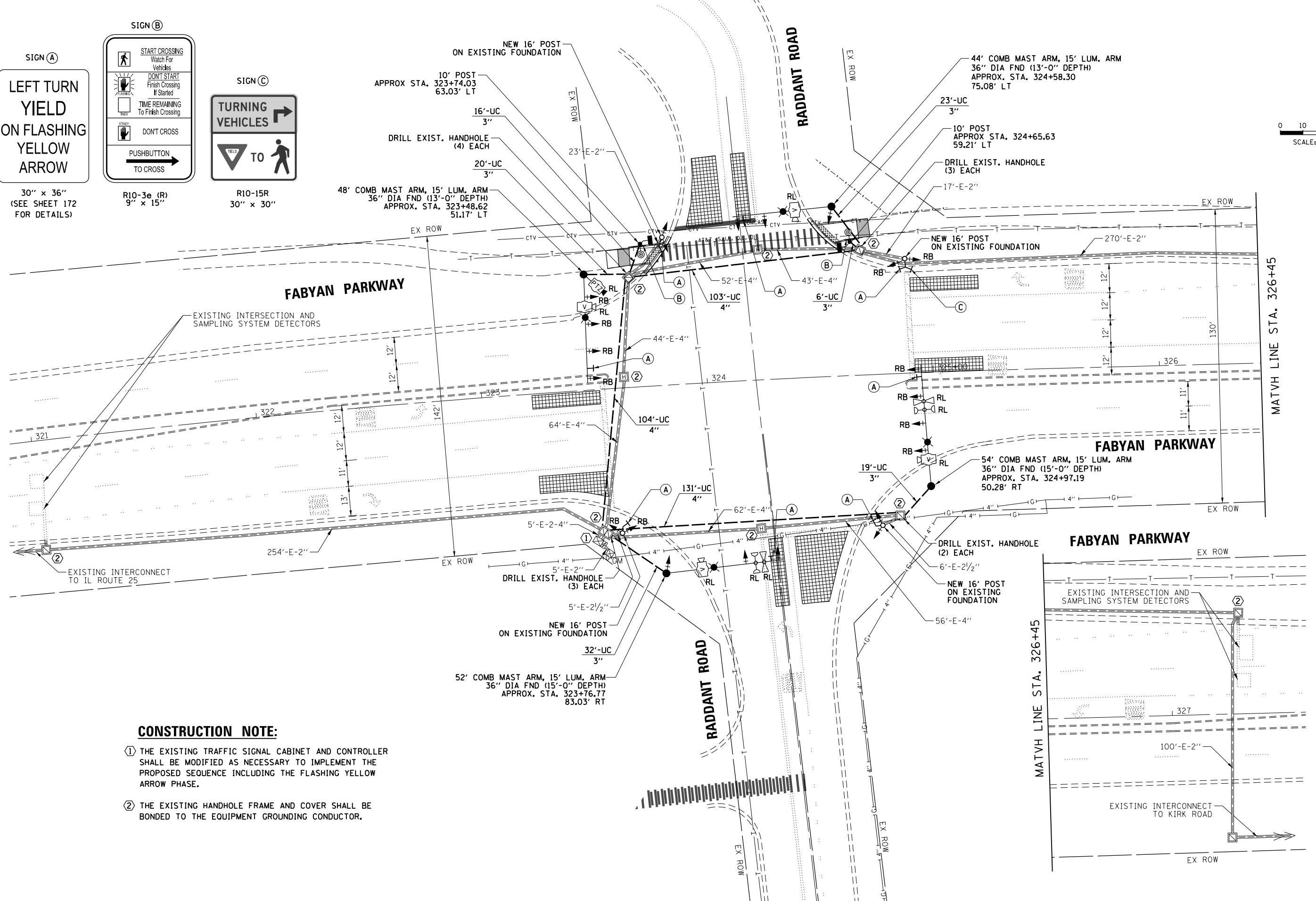
TS SHT NO. 37



30" x 36"
 (SEE SHEET 172 FOR DETAILS)

R10-3e (R)
 9" x 15"

R10-15R
 30" x 30"



CONSTRUCTION NOTE:

- ① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.
- ② THE EXISTING HANDHOLE FRAME AND COVER SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

FILE NAME	009.Fabyan-Raddant 02.MXD
-----------	---------------------------

USER NAME	= fbariso
DESIGNED	- TFS
REVISD	-
DRAWN	- FPB
REVISD	-
PLOT SCALE	= 48"
CHECKED	- GMZ
REVISD	-
PLOT DATE	= 11/16/2018
DATE	= 11/16/2018
REVISD	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
 FABYAN PARKWAY AND RADDANT ROAD

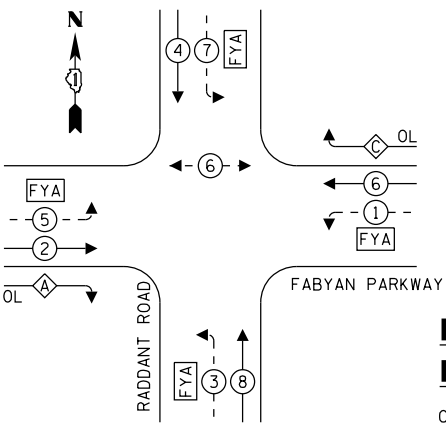
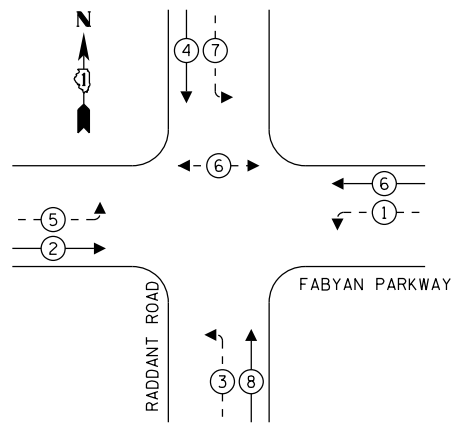
SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	78
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61E74	
			HSIP-W3HX(781)	

DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____
 PLAN: _____ RT. OF WAY CHECKED: _____
 NOTE BOOK: _____ NO. _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5930
 DATE: _____ BY: _____
 SURVEYED: _____ GRADES CHECKED: _____
 PROFILE: _____ BLM. NOTED: _____
 NOTE BOOK: _____ STRUCTURE NOTATIONS: _____
 NO. _____

EXISTING CONTROLLER SEQUENCE

PROPOSED CONTROLLER SEQUENCE



LEGEND:

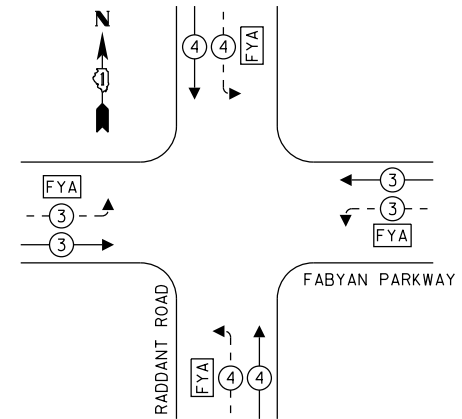
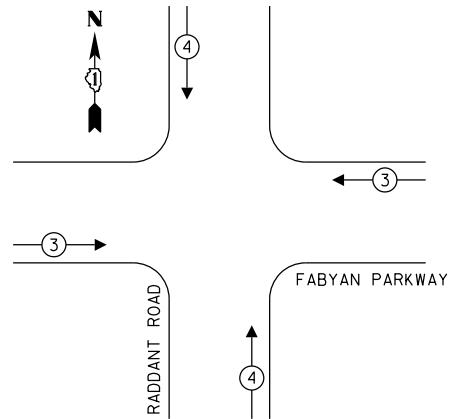
- ← (circle with asterisk) → PROTECTED PHASE
- ← (circle with dash) → PROTECTED/PERMITTED PHASE
- ← (circle with asterisk and arrow) → PEDESTRIAN PHASE
- ← (circle with asterisk and OL) → OVERLAP
- ← (circle with FYA) → FLASHING YELLOW ARROW

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
SOLID ARROW (RED)	8	10	50	40.0
(GREEN & YELLOW)	24	10	10	24.0
FLASHING ARROW	8	10	5	4.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	190	50	380.0
TOTAL =				929.6

ENERGY COSTS TO:

CITY OF BATAVIA
 400 S. SHUMWAY AVENUE
 BATAVIA, ILLINOIS 60510

ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: ---

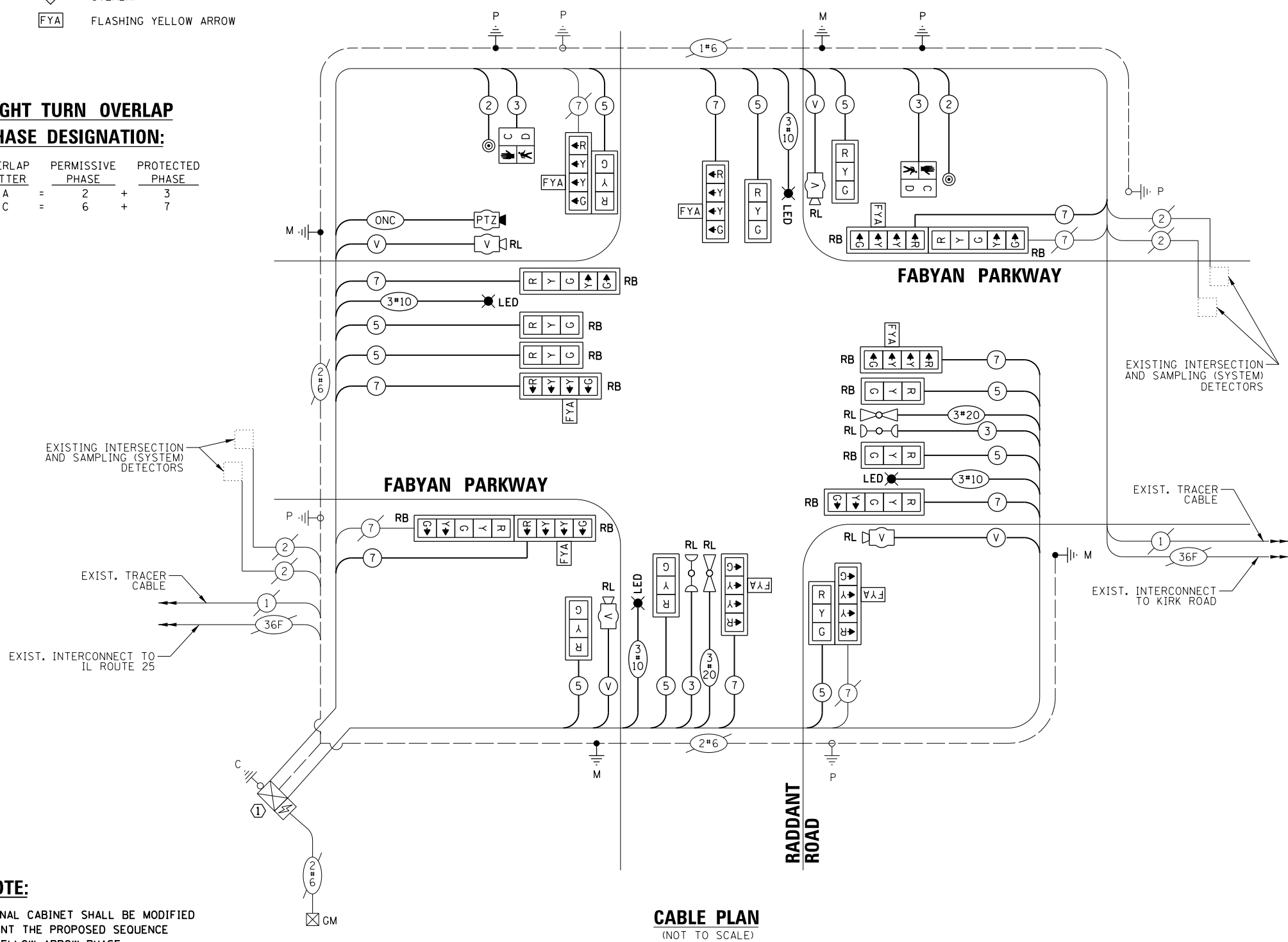
CONSTRUCTION NOTE:

- ① THE EXISTING TRAFFIC SIGNAL CABINET SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.
- ② THE EXISTING HANDHOLE FRAME AND COVER SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.



LEGEND:

- (FYA) = FLASHING YELLOW ARROW
- (ONC) = OUTDOOR NETWORK CABLE



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 38

FILE NAME 009_Fabyan-Raddant 03.CAB	USER NAME = fbariso	DESIGNED - TFS	REVISED -
		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

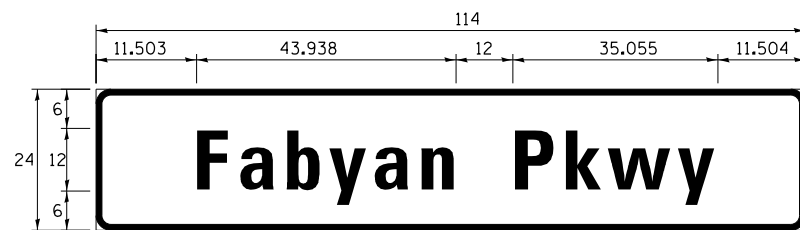
**CABLE PLAN, PHASE DESIGNATION DIAGRAM
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 FABYAN PARKWAY AND RADDANT ROAD**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

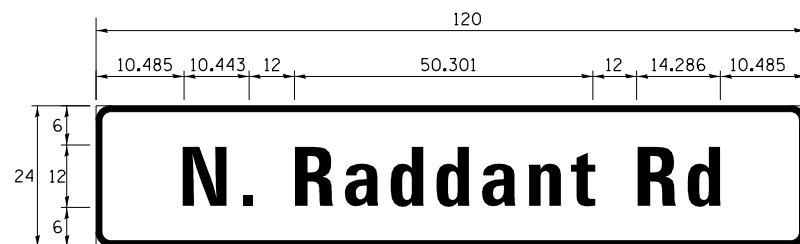
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	79
CONTRACT NO. 61E74				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSIP-W3HX(781)		

SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	19.0	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	20.0	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	66.3
SIGN PANEL - TYPE 2	SQ FT	78.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	116.0
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	338.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2,676.0
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1.0
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	9.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	404.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,146.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,090.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,469.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	491.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	8.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	56.0
DRILL EXISTING HANDHOLE	EACH	12.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2.0
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4.0
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4.0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2.0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2.0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2.0
TRAFFIC SIGNAL BACKPLATE	EACH	10.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12.0
PEDESTRIAN PUSH-BUTTON	EACH	2.0
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2.0
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5,500.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4.0
RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	727.0
* ROD AND CLEAN EXISTING CONDUIT	FOOT	500.0
OUTDOOR RATED NETWORK CABLE	FOOT	198.0
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	1.0
LUMINAIRE, LED, HORIZONTAL MOUNT, 190 WATT (SPECIAL)	EACH	4.0
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1.0
INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1.0

*Nominal Quantity to be Used as Directed by the Engineer

DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY CHECKED	ADD. FILE NAME
DATE	BY	PLAN	NOTE BOOK	NO.		
DATE	BY	PROFILE	NOTE BOOK	NO.		

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 922-9900



TS SHT NO. 39

FILE NAME 009_Fabyan-Raddant 03.CAB-2	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND MAST MOUNTED STREET NAME SIGN FABYAN PARKWAY AND RADDANT ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - FPB	REVISED -		VAR.	12-00424-00-SP	KANE	171	80			
		CHECKED - GMZ	REVISED -		CONTRACT NO. 61E74							
		PLOT SCALE = 48"	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSJIP-W3HX(781)
		PLOT DATE = 11/16/2018	REVISED -									

DATE	BY	DATE	BY
PROF. SURVEYED	GRADES CHECKED	STRUCTURE NOTATIONS	CHK'D
NOTE BOOK	NO.		
PLAN	NO.		
SURVEYED	ALIGNED	CHECKED	RT. OF WAY
NOTE BOOK	NO.		
DATE	BY	DATE	BY

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (630) 922-5930

TS SHT NO. 40

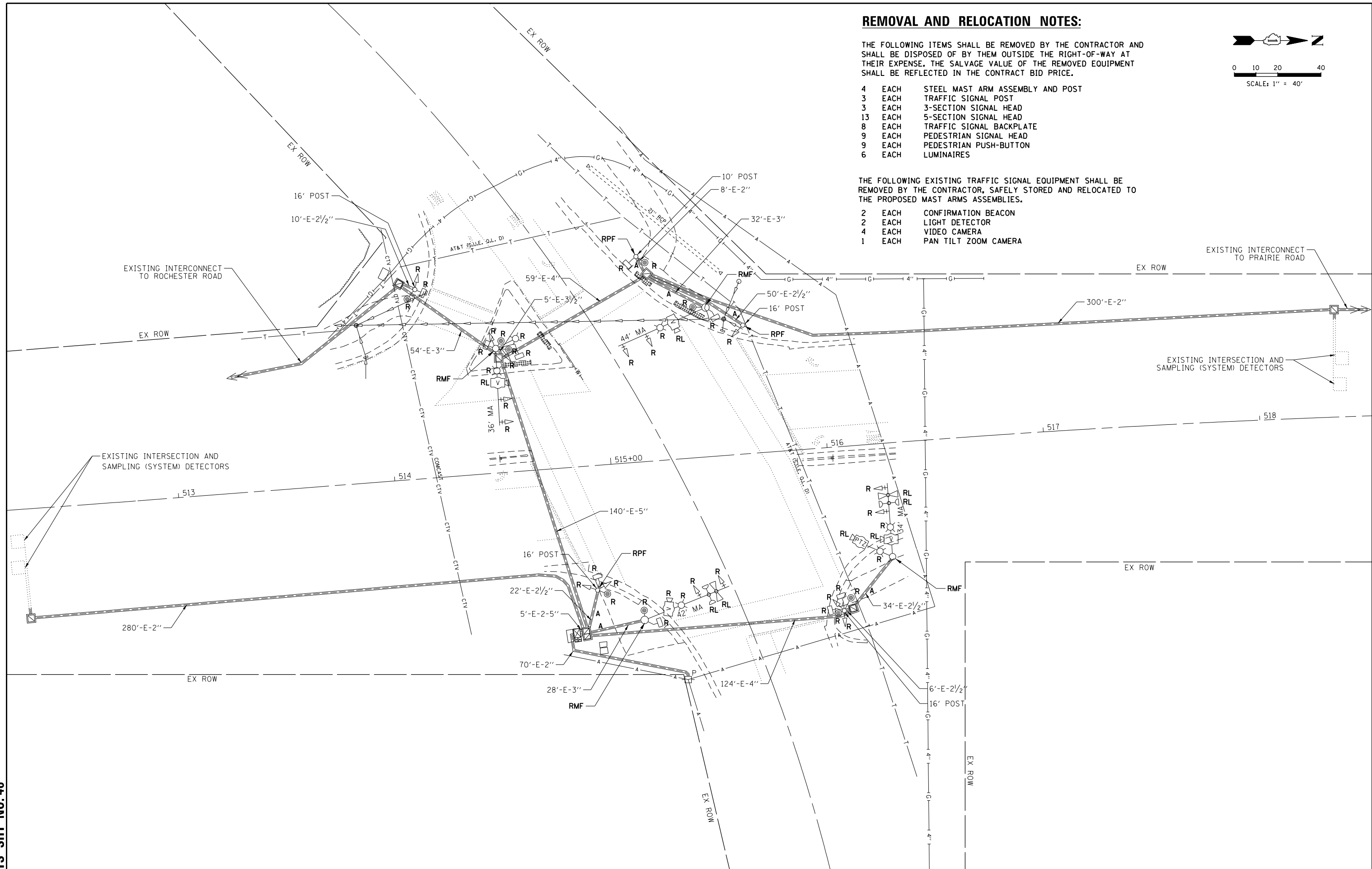
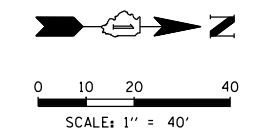
REMOVAL AND RELOCATION NOTES:

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

- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 3 EACH TRAFFIC SIGNAL POST
- 3 EACH 3-SECTION SIGNAL HEAD
- 13 EACH 5-SECTION SIGNAL HEAD
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 9 EACH PEDESTRIAN SIGNAL HEAD
- 9 EACH PEDESTRIAN PUSH-BUTTON
- 6 EACH LUMINAIRES

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS ASSEMBLIES.

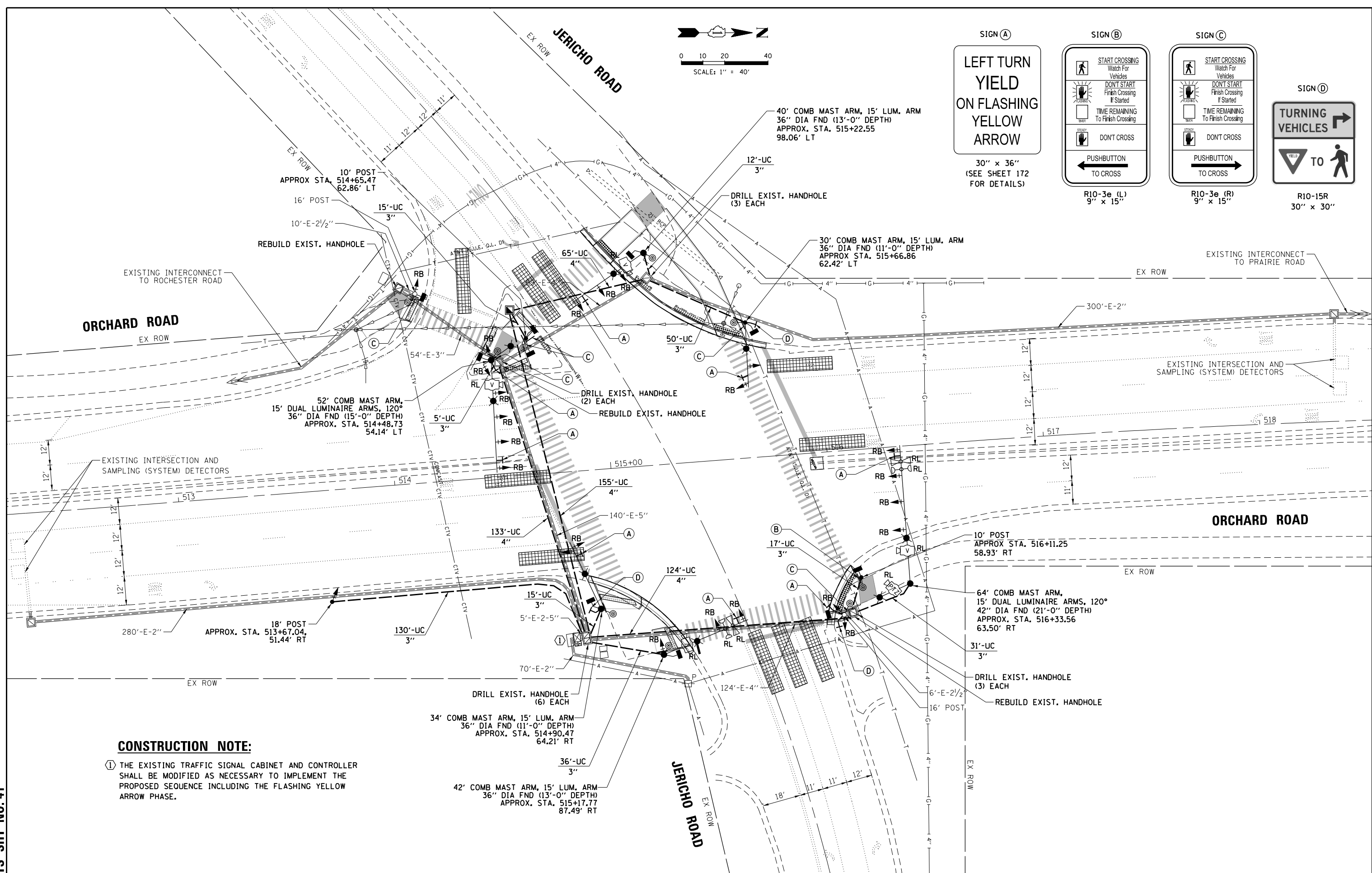
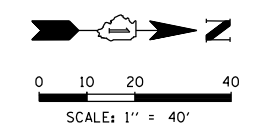
- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 4 EACH VIDEO CAMERA
- 1 EACH PAN TILT ZOOM CAMERA



FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND JERICHO ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
011_Orchard-Jericho 01.REM		DRAWN - FPB	REVISED -		VAR.	12-00424-00-SP	KANE	171	81			
		CHECKED - GMZ	REVISED -		CONTRACT NO. 61E74							
		DATE - 11/16/2018	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSIP-W3HX(781)

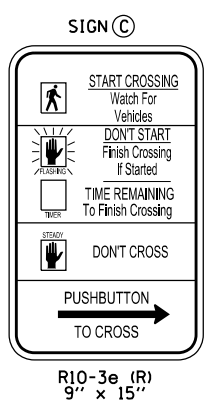
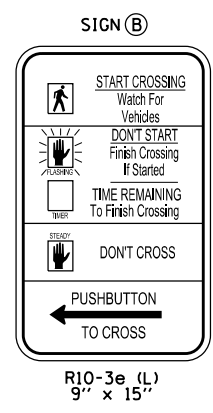
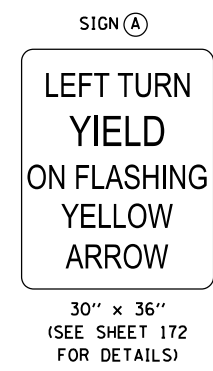
DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____ CHECKED: _____
 PLAN: _____ NOTE BOOK: _____ RT. OF WAY CHECKED: _____
 NO. _____ NO. _____ FILE NAME: _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (630) 922-5900
 DATE: _____ BY: _____
 PROFILE: _____ GRADES CHECKED: _____
 NOTE BOOK: _____ ELEM. NOTED: _____
 NO. _____ STRUCTURE NOTATIONS: _____

TS SHT NO. 41



CONSTRUCTION NOTE:

① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.



FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -
011_Orchard-Jericho 02.MXD		DRAWN - FPB	REVISED -
	PLOT SCALE = 48'	CHECKED - GMZ	REVISED -
	PLOT DATE = 11/16/2018	DATE - 11/16/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ORCHARD ROAD AND JERICO ROAD		VAR.	12-00424-00-SP	KANE	171	82
SCALE:		SHEET NO. OF SHEETS		STA. TO STA.	CONTRACT NO. 61E74	
				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HS1P-W3HX(781)

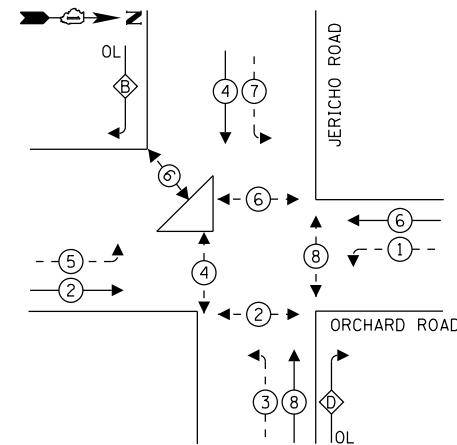
DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____
 GRADES CHECKED: _____
 STRUCTURE NOTATIONS: OK/KO

DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____
 GRADES CHECKED: _____
 STRUCTURE NOTATIONS: OK/KO

ENGINEERING LTD.
 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (617) 923-5930

TS SHT NO. 42

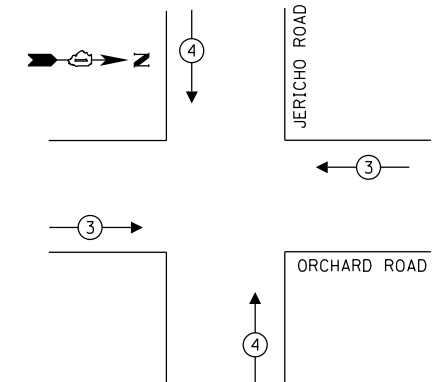
EXISTING CONTROLLER SEQUENCE



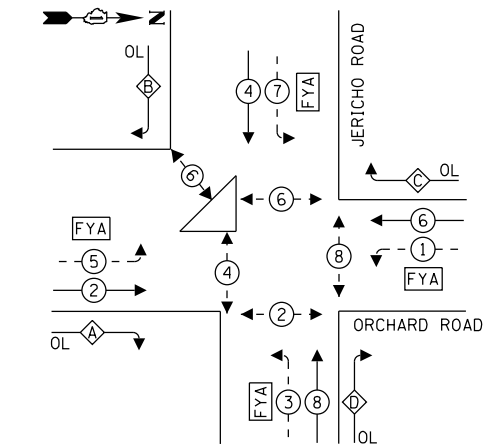
RIGHT TURN OVERLAP PHASE DESIGNATION:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



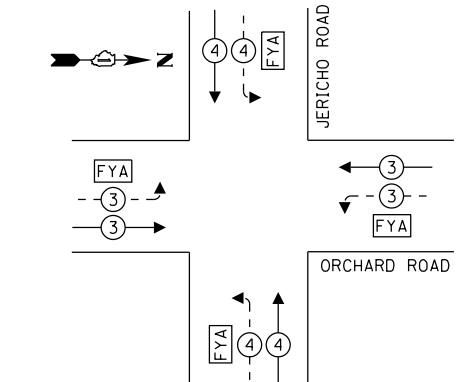
PROPOSED CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION:

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

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
SOLID ARROW (RED)	8	10	50	40.0
(GREEN & YELLOW)	26	10	10	26.0
FLASHING ARROW	8	10	5	4.0
PED. SIGNAL	10	20	100	200.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	8	190	50	760.0
TOTAL =				1471.6

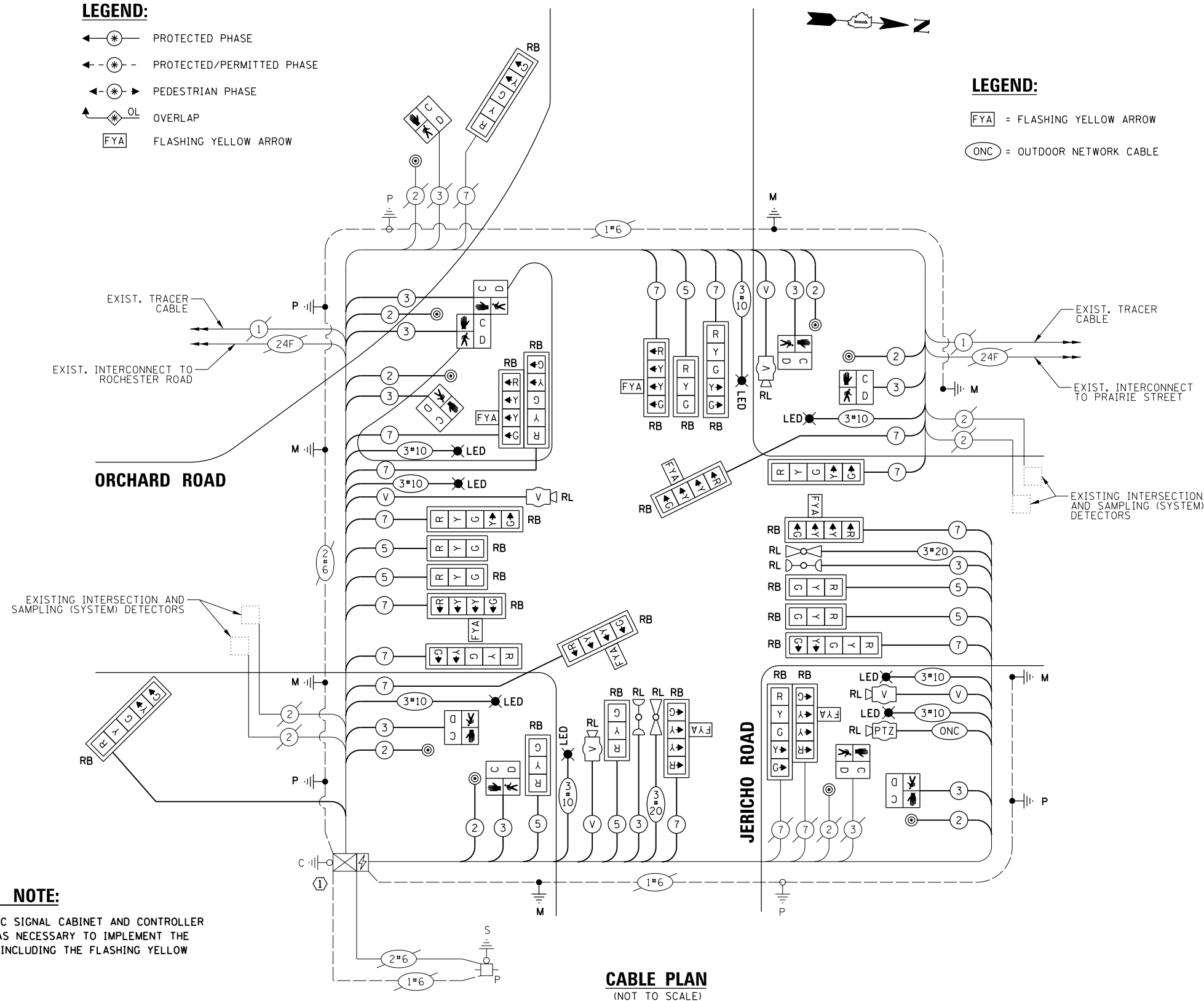
ENERGY COSTS TO:
 KANE COUNTY DIVISION OF TRANSPORTATION
 41W011 BURLINGTON ROAD
 ST. CHARLES, IL 60175
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: (866) 639-3532
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - ⊙ → PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL → OVERLAP
- ⊙ FYA → FLASHING YELLOW ARROW

LEGEND:

- ⊙ FYA = FLASHING YELLOW ARROW
- ⊙ ONC = OUTDOOR NETWORK CABLE



CONSTRUCTION NOTE:

① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.

FILE NAME 011_Orchard-Jericho_03.CAB	USER NAME = fbariso	DESIGNED - TFS	REVISED -
		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

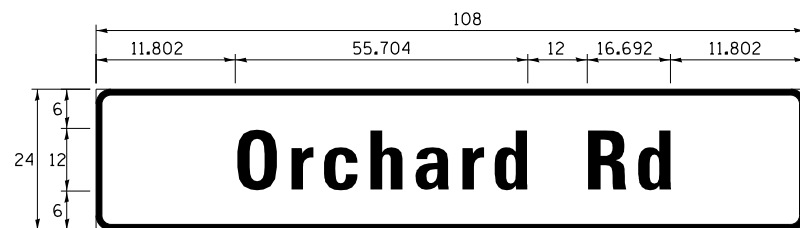
CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND JERICHO ROAD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

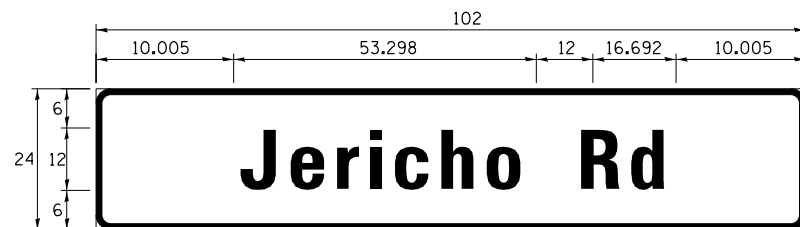
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	83
CONTRACT NO. 61E74			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSJIP-W3HX(781)	

SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	18.0	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	17.0	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	78.8
SIGN PANEL - TYPE 2	SQ FT	70.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	183.0
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	337.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 4	FOOT	5,553.0
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,255.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,934.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,893.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,096.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	3,560.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	8.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	61.0
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	25.0
DRILL EXISTING HANDHOLE	EACH	14.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1.0
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2.0
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	6.0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3.0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1.0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	22.0
PEDESTRIAN PUSH-BUTTON	EACH	9.0
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2.0
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8,287.5
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REBUILD EXISTING HANDHOLE	EACH	3.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7.0
RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	382.5
* ROD AND CLEAN EXISTING CONDUIT	FOOT	500.0
OUTDOOR RATED NETWORK CABLE	FOOT	241.0
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	1.0
LUMINAIRE, LED, HORIZONTAL MOUNT, 190 WATT (SPECIAL)	EACH	6.0
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1.0
RELOCATE EXISTING PTZ CAMERA	EACH	1.0
MAINTAIN EXISTING LIGHTING SYSTEM	LSUM	1.0

*Nominal Quantity to be Used as Directed by the Engineer

DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY CHECKED	ADD. FILE NAME
DATE	BY	PLAN	NOTE BOOK	NO.		
DATE	BY	PROFILE	NOTE BOOK	NO.		

CHRISTOPHER B. BURKE ENGINEERING LTD.
 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (617) 923-5930



TS SHT NO. 43

FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND JERICHO ROAD</p>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
011_Orchard-Jericho 03.CAB-2		DRAWN - FPB	REVISED -		VAR.	12-00424-00-SP	KANE	171	84			
		CHECKED - GMZ	REVISED -		CONTRACT NO. 61E74							
		PLOT SCALE = 48'	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			
		PLOT DATE = 11/16/2018	REVISED -						FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HS1P-W3HX(781)	

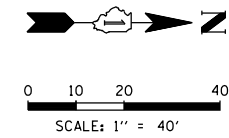
REMOVAL AND RELOCATION NOTES:

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

- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 4 EACH TRAFFIC SIGNAL POST
- 1 EACH TRAFFIC SIGNAL POST
- 8 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH LUMINAIRES

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

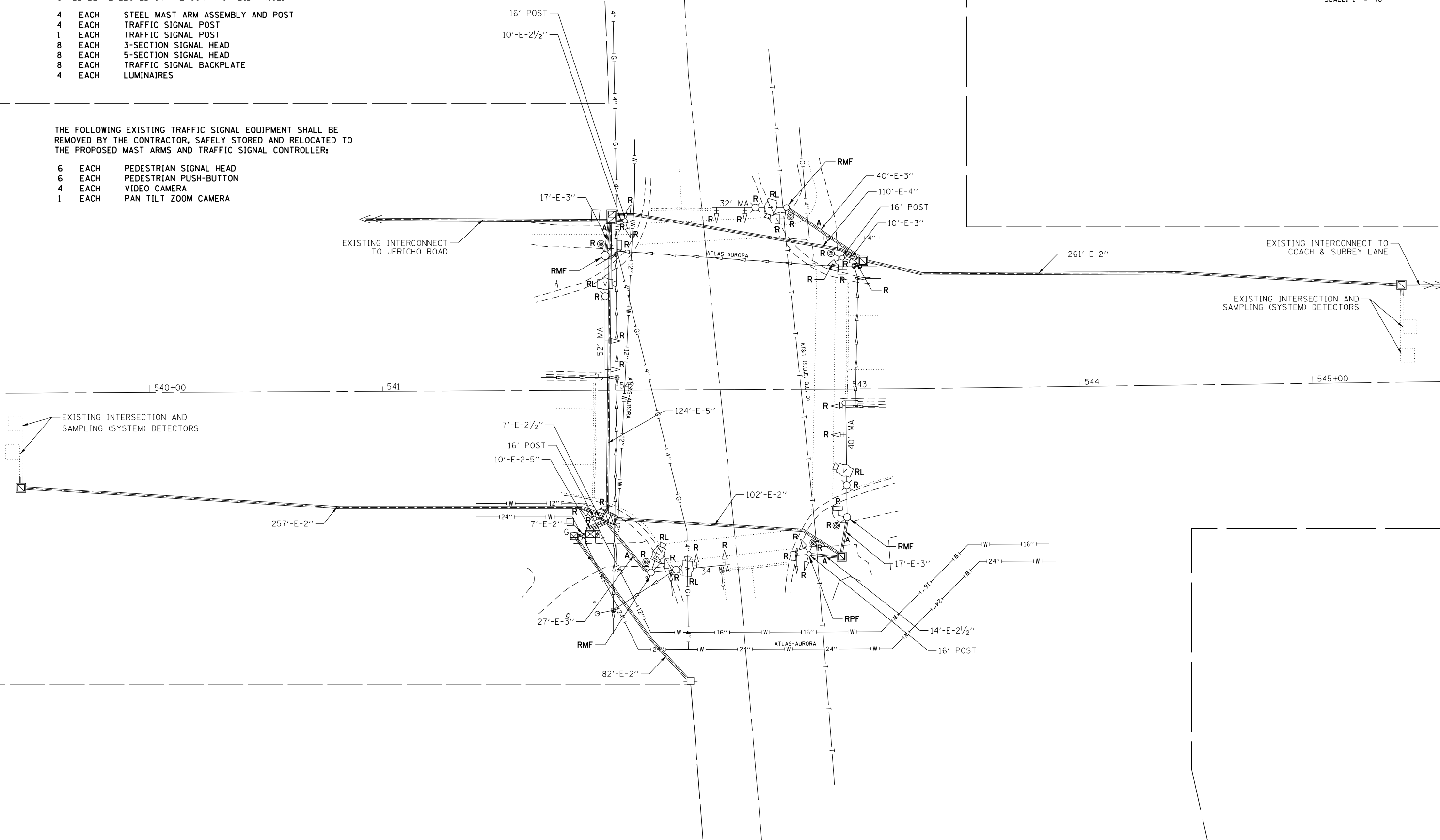
- 6 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 4 EACH VIDEO CAMERA
- 1 EACH PAN TILT ZOOM CAMERA



DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY CHECKED	CADD FILE NAME
DATE	BY	SURVEYED	GRADES CHECKED	BLM. NOTED	STRUCTURE NOTATIONS	CHKD

CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5500

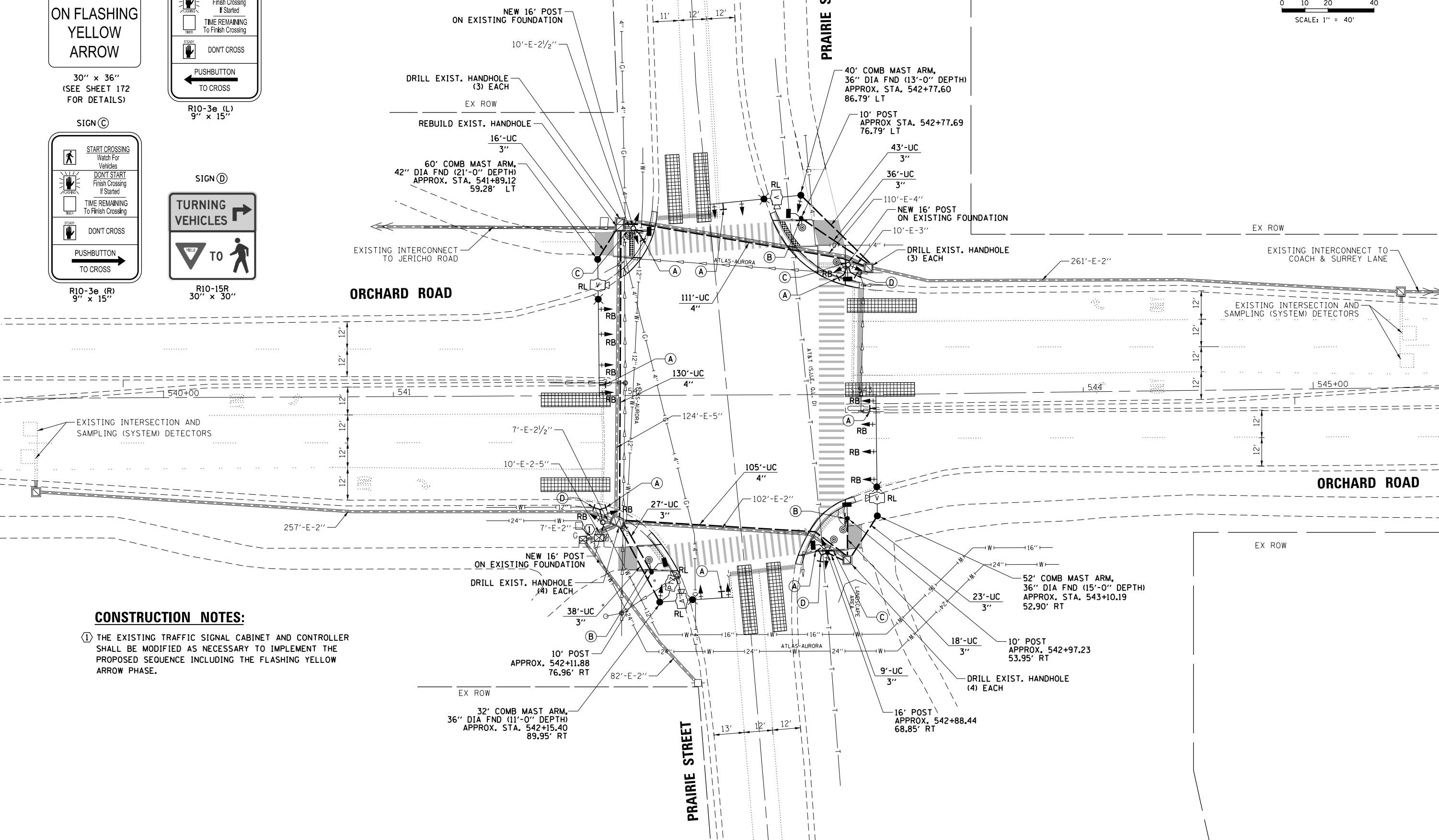
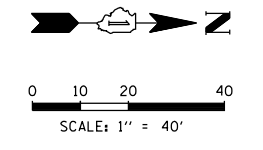
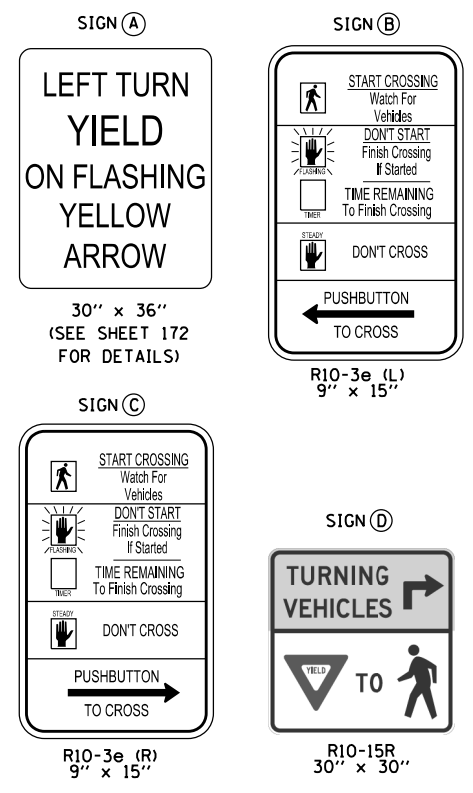
TS SHT NO. 44



FILE NAME 012_Orchard-Prairie 01.REM	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND PRAIRIE STREET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN - FPB	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	VAR.	12-00424-00-SP	KANE	171	85
		CHECKED - GMZ	REVISED -											
		PLOT DATE = 11/16/2018	DATE = 11/16/2018											
										CONTRACT NO. 61E74		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSJP-W3HX(781)		

DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____ CHECKED: _____
 PLAN: _____ NOTE BOOK: _____ RT. OF WAY CHECKED: _____
 NO. _____ NO. _____ NO. _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (630) 923-5930
 DATE: _____ BY: _____
 SURVEYED: _____ GRADES CHECKED: _____
 PROFILE: _____ NOTE BOOK: _____ STRUCTURE NOTATIONS: OK/NO

TS SHT NO. 45



CONSTRUCTION NOTES:
 1 THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.

FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -
012_Orchard-Prairie 02.MDD		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

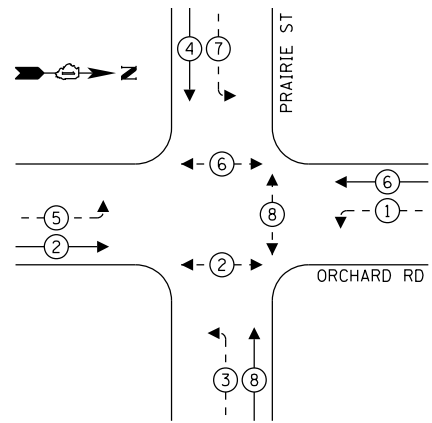
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND PRAIRIE STREET			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

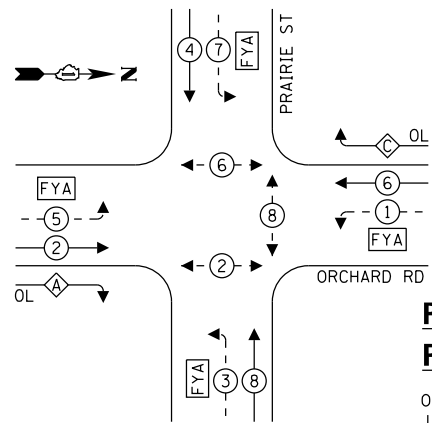
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	86
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61E74	
			HSJIP-W3HX(781)	

BY: DATE: SURVEYED: 3/15/18 ALIGNED: 3/15/18 CHECKED: 3/15/18
 PLAN: NOTE BOOK NO. 0323-500
 ENGINEERING LTD. 3575 West Higgins Road, Suite 600, Rosemont, Illinois 60018 (647) 823-5000
 BY: DATE: SURVEYED: 11/16/2018 GRADES CHECKED: 11/16/2018 STRUCTURE NOTATIONS OKWD
 PROFILE: NOTE BOOK NO. 0323-500

EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
SOLID ARROW (RED)	8	10	50	40.0
(GREEN & YELLOW)	22	10	10	22.0
FLASHING ARROW	8	10	5	4.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	190	50	380.0
TOTAL =				983.8

ENERGY COSTS TO:

CITY OF AURORA
 44 E. DOWNER PLACE
 AURORA, ILLINOIS 60505

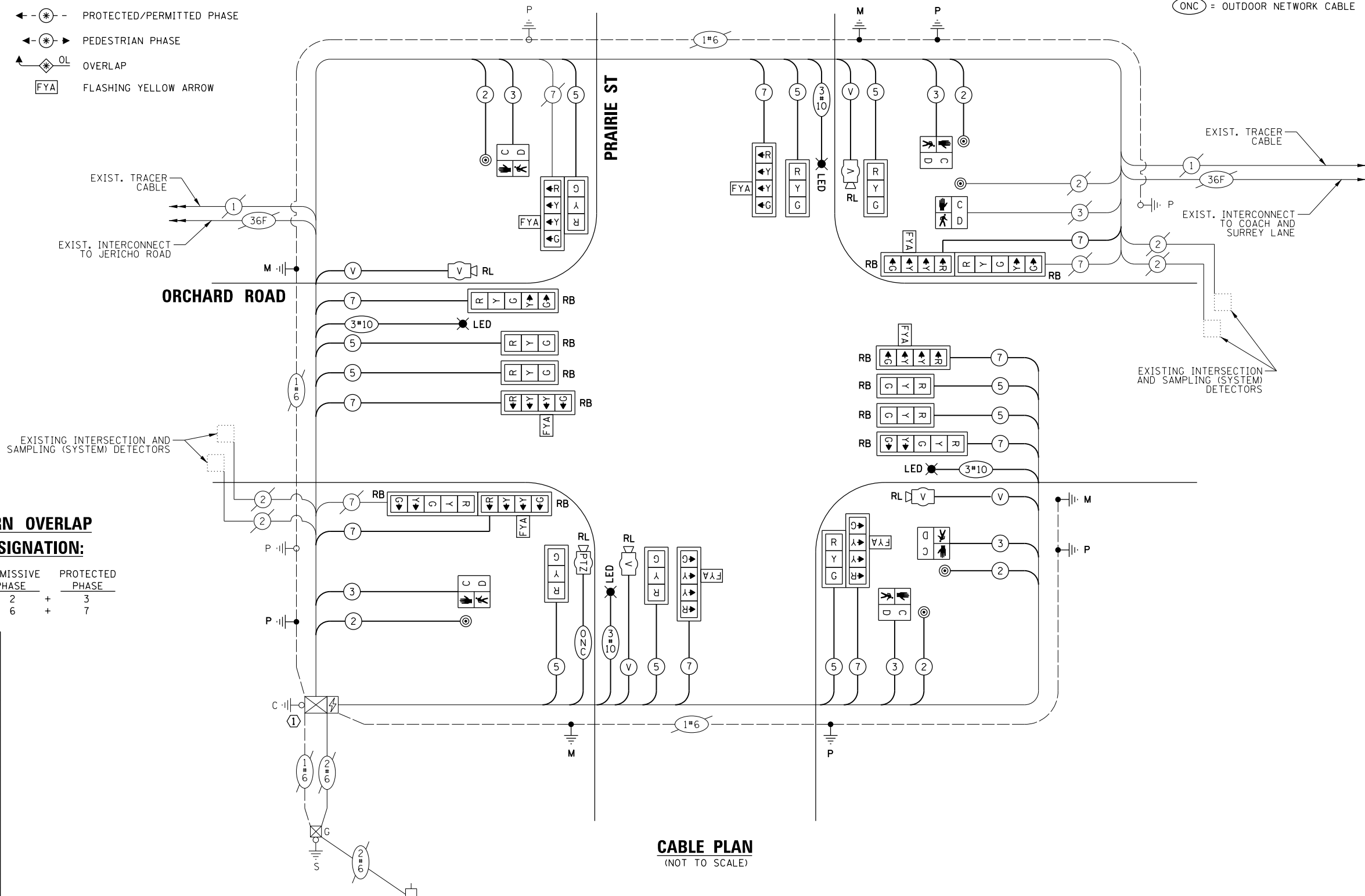
ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: (866) 639-3532
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP
- ⊙ FYA FLASHING YELLOW ARROW

LEGEND:

- ⊙ FYA = FLASHING YELLOW ARROW
- ⊙ ONC = OUTDOOR NETWORK CABLE



CABLE PLAN
(NOT TO SCALE)

CONSTRUCTION NOTES:

- ① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.

TS SHT NO. 46

FILE NAME: 012_Orchard-Prairie 03.CAB	USER NAME: fbariso	DESIGNED: TFS	REVISED: -
		DRAWN: FPB	REVISED: -
		CHECKED: GMZ	REVISED: -
		DATE: 11/16/2018	REVISED: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

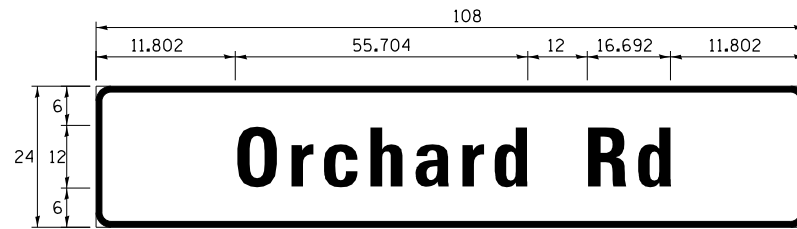
**CABLE PLAN AND PHASE DESIGNATION DIAGRAM
 ORCHARD ROAD AND PRAIRIE STREET**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

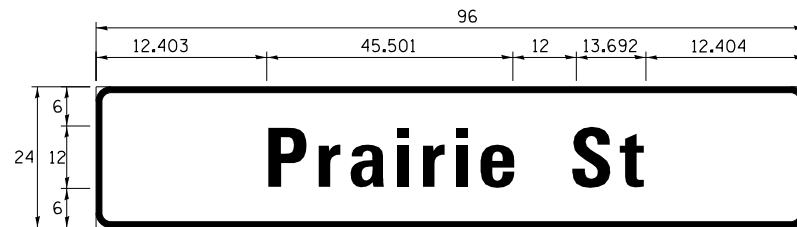
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	87
CONTRACT NO. 61E74			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSJIP-W3HX(781)	

SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	18.0	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15.0	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	78.8
SIGN PANEL - TYPE 2	SQ FT	66.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	206.0
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	346.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 4	FOOT	2,943.0
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	919.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	954.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,286.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,693.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,630.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	16.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39.0
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21.0
DRILL EXISTING HANDHOLE	EACH	14.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4.0
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4.0
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4.0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2.0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2.0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6.0
TRAFFIC SIGNAL BACKPLATE	EACH	10.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12.0
PEDESTRIAN PUSH-BUTTON	EACH	6.0
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6,587.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REBUILD EXISTING HANDHOLE	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5.0
RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0
* ROD AND CLEAN EXISTING CONDUIT	FOOT	500.0
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	1.0
LUMINAIRE, LED, HORIZONTAL MOUNT, 190 WATT (SPECIAL)	EACH	4.0
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1.0
RELOCATE EXISTING PTZ CAMERA	EACH	1.0
MAINTAIN EXISTING LIGHTING SYSTEM	LSUM	1.0

*Nominal Quantity to be Used as Directed by the Engineer

DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY CHECKED
DATE	BY	BLM. NOTED	STRUCTURE	NOTATIONS	CHKD
DATE	BY	PLANNING	DESIGNED	CHECKED	DATE
DATE	BY	DESIGNED	CHECKED	DATE	

CHRISTOPHER B. BURKE
ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(647) 923-9300



TS SHT NO. 47

FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND PRAIRIE STREET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
012_Orchard-Prairie 03.CAB-2		DRAWN - FPB	REVISED -		VAR.	12-00424-00-SP	KANE	171	88			
PLOT SCALE = 48"		CHECKED - GMZ	REVISED -		CONTRACT NO. 61E74							
PLOT DATE = 11/16/2018		DATE - 11/16/2018	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSJIP-W3HX(781)		

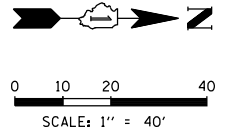
REMOVAL AND RELOCATION NOTES:

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

- 2 EACH STEEL MAST ARM ASSEMBLY AND POST
- 5 EACH TRAFFIC SIGNAL POST
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 7 EACH 3-SECTION SIGNAL HEAD
- 2 EACH 5-SECTION SIGNAL HEAD
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH LUMINAIRES

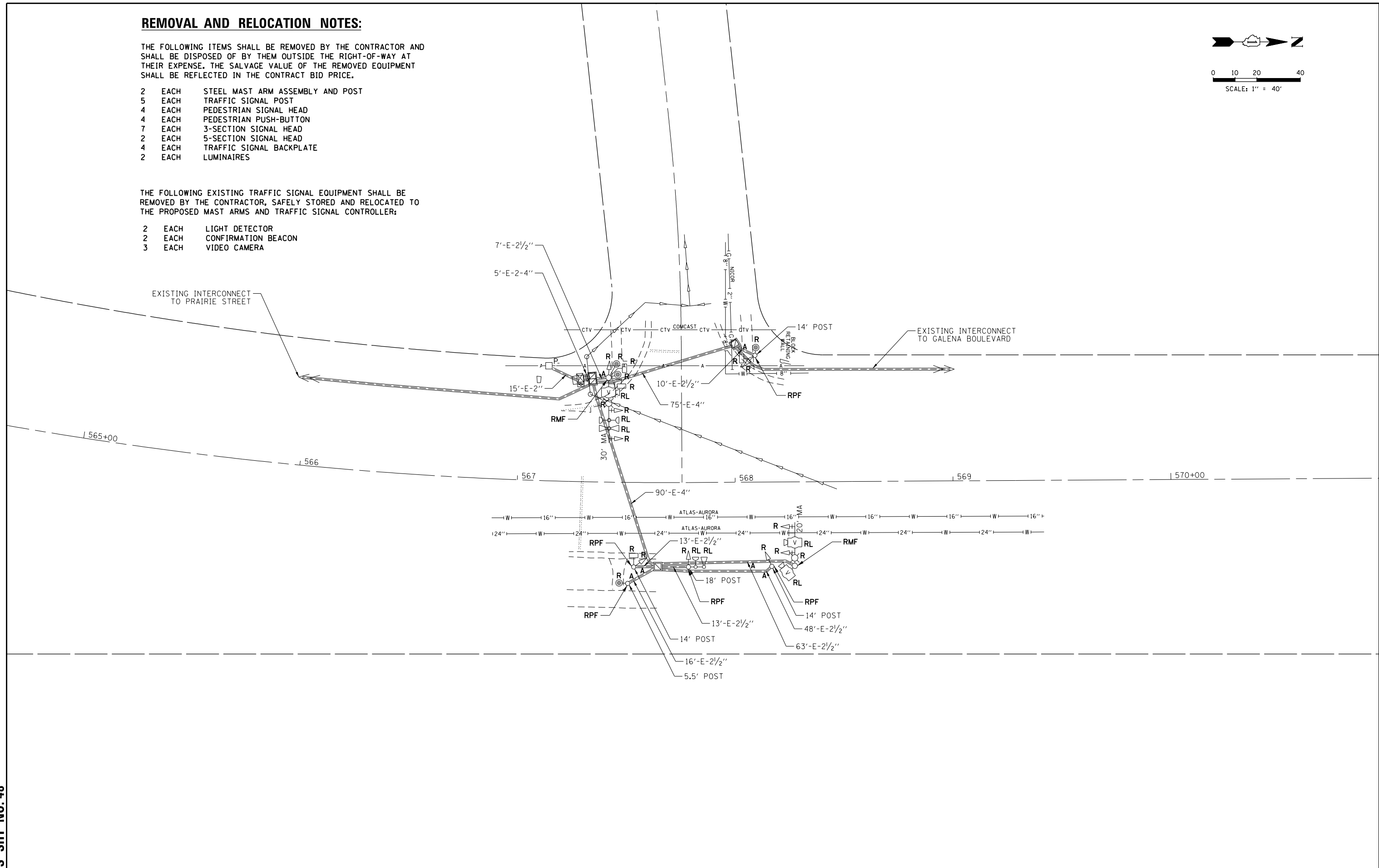
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 2 EACH LIGHT DETECTOR
- 2 EACH CONFIRMATION BEACON
- 3 EACH VIDEO CAMERA



PROFILE	SURVEYED	DATE
	GRADES CHECKED	
PLAN	SURVEYED	DATE
	ALIGNED	
BY	BY	
	DATE	
STRUCTURE	NOTED	
	NOTATIONS	

CHRISTOPHER B. BURKE
ENGINEERING LTD.
8575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(647) 923-5938

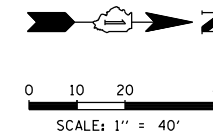


TS SHT NO. 48

FILE NAME 013_Orchard-Coach-Surrey 01_REM	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND COACH & SURREY LANE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - FPB	REVISED -			VAR.	12-00424-00-SP	KANE	171	89	
		CHECKED - GMZ	REVISED -			CONTRACT NO. 61E74					
		DATE - 11/16/2018	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

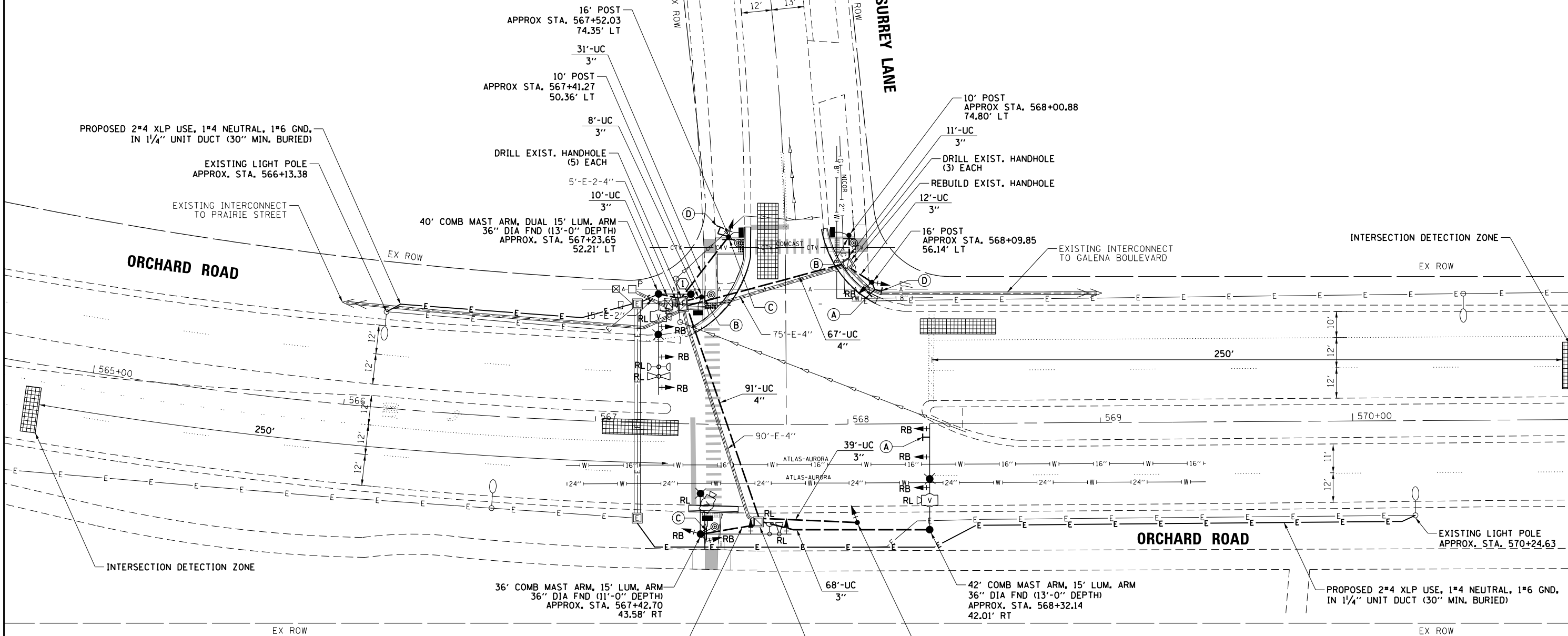
CONSTRUCTION NOTES:

- THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.



DATE		DATE	
BY		BY	
PLAN	ENGINEERING LTD.	PROFILE	
NO.		NO.	
DATE		DATE	
BY		BY	
DATE		DATE	
BY		BY	
DATE		DATE	
BY		BY	
DATE		DATE	
BY		BY	
DATE		DATE	
BY		BY	
DATE		DATE	
BY		BY	
DATE		DATE	
BY		BY	
DATE		DATE	
BY		BY	
DATE		DATE	
BY		BY	
DATE		DATE	
BY		BY	

CHRISTOPHER B. BURKE
ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(630) 922-5930



SIGN (A)

LEFT TURN
YIELD
ON FLASHING
YELLOW
ARROW

30" x 36"
(SEE SHEET 172
FOR DETAILS)

SIGN (B)

START CROSSING
Watch For
Vehicles

DONT START
Finish Crossing
If Started

TIME REMAINING
To Finish Crossing

DONT CROSS

PUSHBUTTON
TO CROSS

R10-3e (L)
9" x 15"

SIGN (C)

START CROSSING
Watch For
Vehicles

DONT START
Finish Crossing
If Started

TIME REMAINING
To Finish Crossing

DONT CROSS

PUSHBUTTON
TO CROSS

R10-3e (R)
9" x 15"

SIGN (D)

TURNING
VEHICLES

YIELD TO

R10-15R
30" x 30"

TS SHT NO.49

FILE NAME	USER NAME	DESIGNED	REVISED
013_Orchard-Coach-Surrey_02.MXD	= fbariso	- TFS	-
		DRAWN	REVISED
		- FPB	-
		CHECKED	REVISED
		- GMZ	-
		DATE	REVISED
		- 11/16/2018	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ORCHARD ROAD AND COACH & SURREY LANE

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
--------	-----------	----	--------	------	----	------

F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	90
CONTRACT NO.			61E74	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSIP-W3HX(781)		

BY: DATE: SURVEYED: ALIGNED: CHECKED: RT. OF WAY CHECKED: ADD. FILE NAME: PLAN: NOTE BOOK NO.: SURVEYED: GRADES CHECKED: STRUCTURE NOTATIONS OKWD: PROFILE: NOTE BOOK NO.: SURVEYED: GRADES CHECKED: STRUCTURE NOTATIONS OKWD:

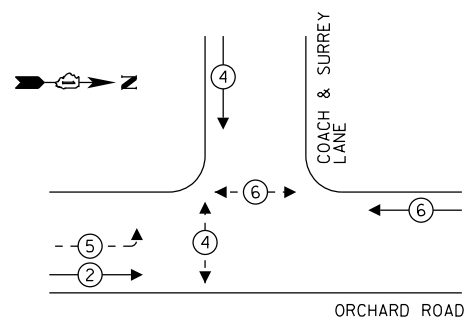
TS SHT NO.50

BY: DATE: SURVEYED: ALIGNED: CHECKED: RT. OF WAY CHECKED: ADD. FILE NAME: PLAN: NOTE BOOK NO.: SURVEYED: GRADES CHECKED: STRUCTURE NOTATIONS OKWD: PROFILE: NOTE BOOK NO.: SURVEYED: GRADES CHECKED: STRUCTURE NOTATIONS OKWD:

BY: DATE: SURVEYED: ALIGNED: CHECKED: RT. OF WAY CHECKED: ADD. FILE NAME: PLAN: NOTE BOOK NO.: SURVEYED: GRADES CHECKED: STRUCTURE NOTATIONS OKWD: PROFILE: NOTE BOOK NO.: SURVEYED: GRADES CHECKED: STRUCTURE NOTATIONS OKWD:

BY: DATE: SURVEYED: ALIGNED: CHECKED: RT. OF WAY CHECKED: ADD. FILE NAME: PLAN: NOTE BOOK NO.: SURVEYED: GRADES CHECKED: STRUCTURE NOTATIONS OKWD: PROFILE: NOTE BOOK NO.: SURVEYED: GRADES CHECKED: STRUCTURE NOTATIONS OKWD:

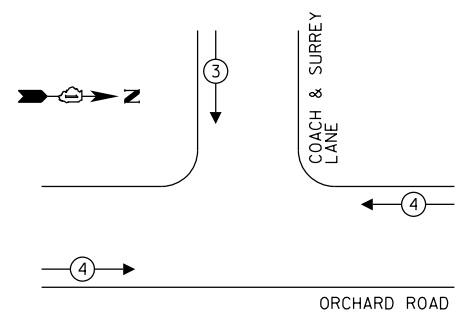
EXISTING CONTROLLER SEQUENCE



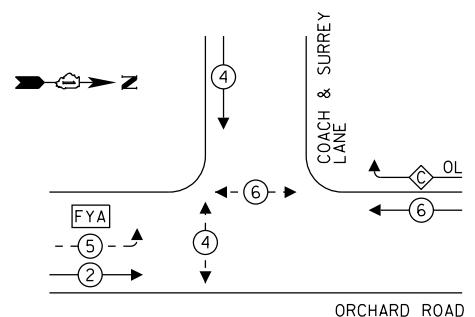
LEGEND:

- ← * → PROTECTED PHASE
- ← * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← OL → OVERLAP
- FYA FLASHING YELLOW ARROW

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



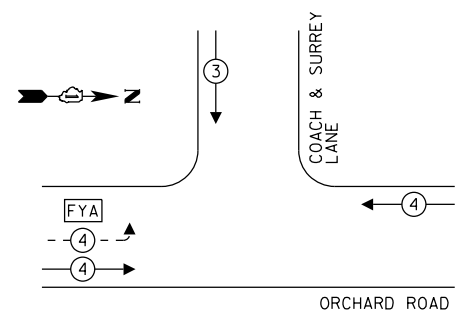
PROPOSED CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER C = PERMISSIVE PHASE 6 + PROTECTED PHASE 4

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
SOLID ARROW (RED)	2	10	50	10.0
(GREEN & YELLOW)	10	10	10	10.0
FLASHING ARROW	2	10	5	1.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	5	190	50	475.0
TOTAL =				898.8

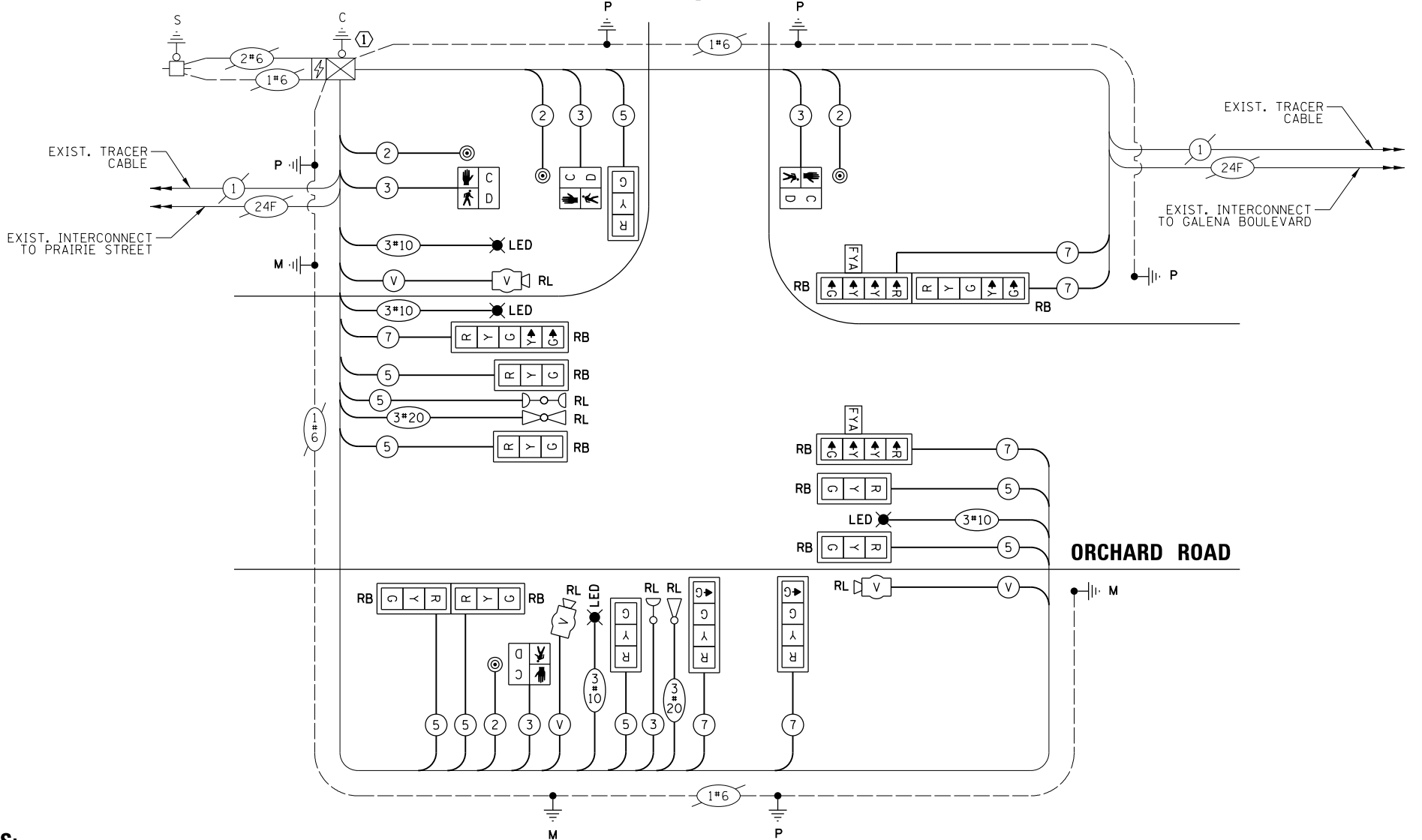
ENERGY COSTS TO:
 KANE COUNTY DIVISION OF TRANSPORTATION
 41W011 BURLINGTON ROAD
 ST. CHARLES, IL 60175
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: (866) 639-3532
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

CONSTRUCTION NOTES:

- ① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.

COACH & SURREY LANE

LEGEND:
 FYA = FLASHING YELLOW ARROW



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND COACH & SURREY LANE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

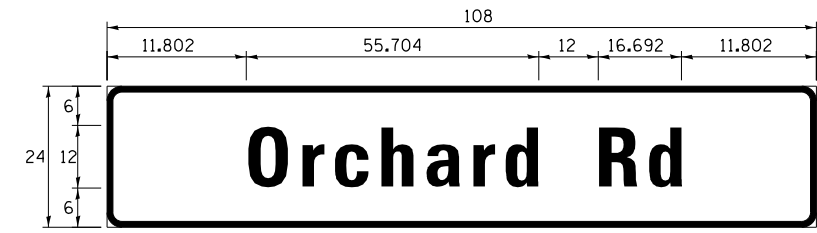
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	91
CONTRACT NO. 61E74			HSJP-W3HX(781)	

FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -
013_Orchard-Coach-Surrey_03.CAB		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

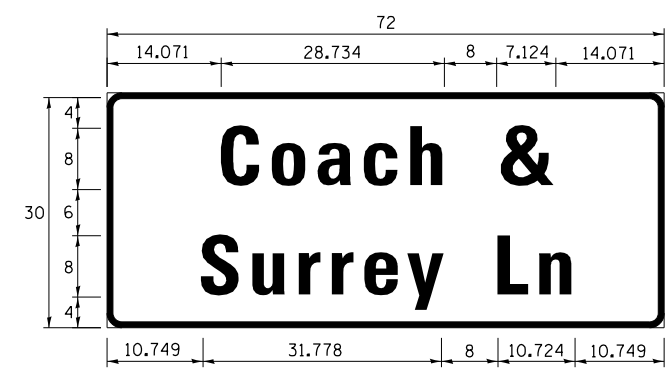
PROFILE SURVEYED _____ DATE _____
 GRADES CHECKED _____
 ELEM. NOTED _____
 STRUCTURE NOTATIONS CHK'D _____
 NOTE BOOK NO. _____
 PLAN NOTE BOOK NO. _____
 SURVEYED _____
 ALIGNMENT CHECKED _____
 RT. OF WAY CHECKED _____
 PLOT FILE NAME _____
 BY _____
 DATE _____
 ENGINEERING LTD.

TS SHT NO.51

SIGN PANEL – TYPE 1 OR TYPE 2
 ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	18.0	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15.0	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	21
SIGN PANEL - TYPE 2	SQ FT	48
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	202
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	158
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 4	FOOT	1,971
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	378
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,003
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,464
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	858
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,068
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	37
DRILL EXISTING HANDHOLE	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE	EACH	4
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	9
PEDESTRIAN PUSH-BUTTON	EACH	4
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3,814
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	376
* ROD AND CLEAN EXISTING CONDUIT	FOOT	375
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	1
LUMINAIRE SHIELD	EACH	2
LUMINAIRE, LED, HORIZONTAL MOUNT, 190 WATT (SPECIAL)	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. (SPECIAL)	EACH	1
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
MAINTAIN EXISTING LIGHTING SYSTEM	LSUM	1

*Nominal Quantity to be Used as Directed by the Engineer

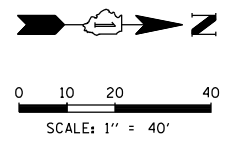
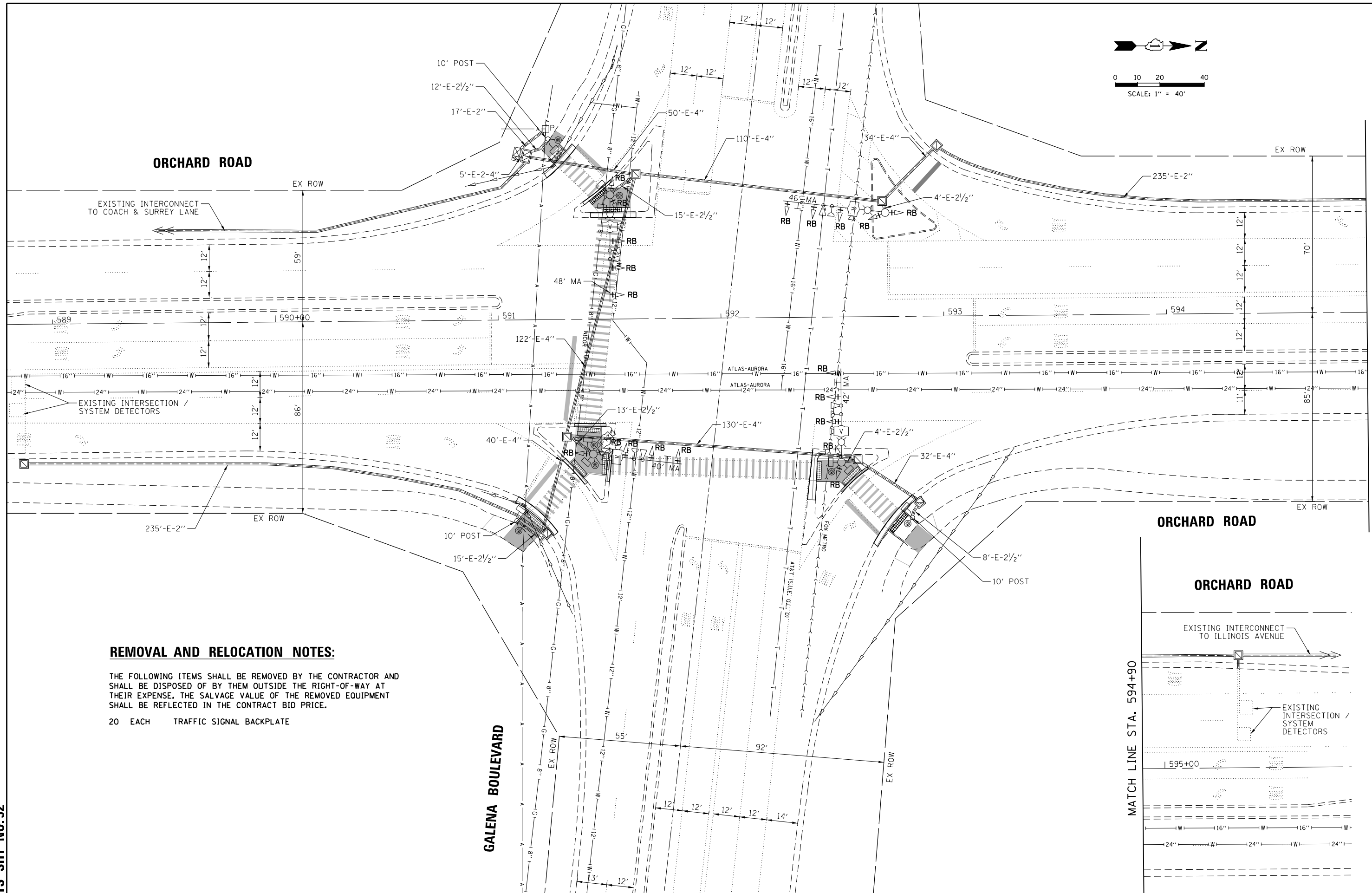
FILE NAME 013_Orchard-Coach-Surrey 03.CAB-2	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND COACH & SURREY LANE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - FPB	REVISED -		VAR.	12-00424-00-SP	KANE	171	92			
		CHECKED - GMZ	REVISED -		CONTRACT NO. 61E74							
		DATE - 11/16/2018	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSIP-W3HX(781)

PROFILE SURVEYED _____ DATE _____
 NOTE BOOK _____
 NO. _____
 GRADES CHECKED _____
 E.M. NOTED _____
 STRUCTURE NOTATIONS OKWD

PLAN SURVEYED _____ DATE _____
 NOTE BOOK _____
 NO. _____
 ALIGNMENT CHECKED _____
 RT. OF WAY CHECKED _____
 CAD FILE NAME _____

BY: **CHRISTOPHER B. BURKE** ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5930

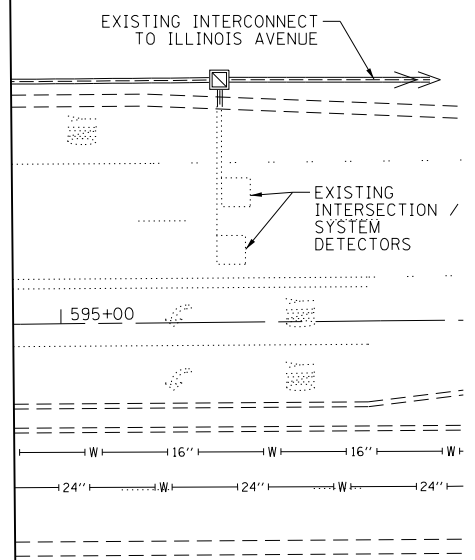
TS SHT NO.52



REMOVAL AND RELOCATION NOTES:

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

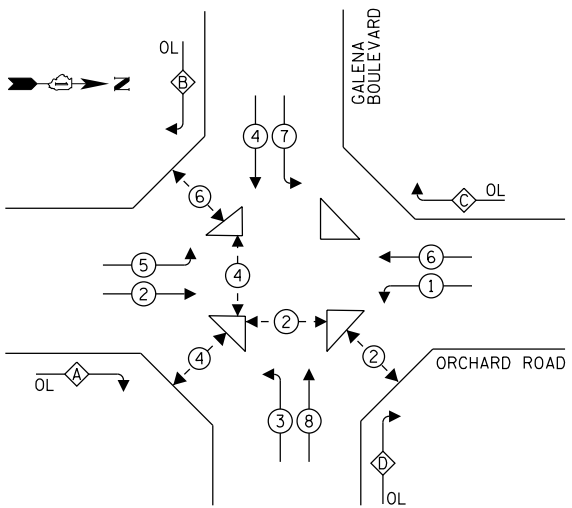
- 20 EACH TRAFFIC SIGNAL BACKPLATE



FILE NAME 014_Orchard-Galena 01.MOD Rev	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND GALENA BOULEVARD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48'	DRAWN - FPB	REVISED -		VAR.	12-00424-00-SP	KANE	171	93				
	PLOT DATE = 11/16/2018	CHECKED - GMZ	REVISED -		CONTRACT NO. 61E74				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HSPJ-W3HX(781)		
		DATE - 11/16/2018	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

BY: DATE: SURVEYED: ALIGNED: CHECKED: RT. OF WAY CHECKED: FILE NAME: CHRISTOPHER B. BURKE ENGINEERING LTD. 3575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (617) 923-5500

EXISTING CONTROLLER SEQUENCE

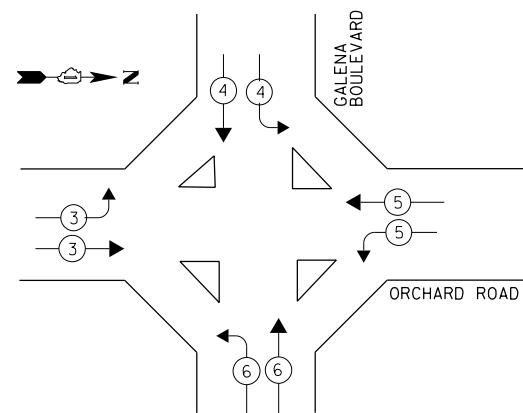


- LEGEND:**
- ⊙ — PROTECTED PHASE
 - ⊙ — PROTECTED/PERMITTED PHASE
 - ⊙ — PEDESTRIAN PHASE
 - OL — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5
C	= 6	+ 7
D	= 8	+ 1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

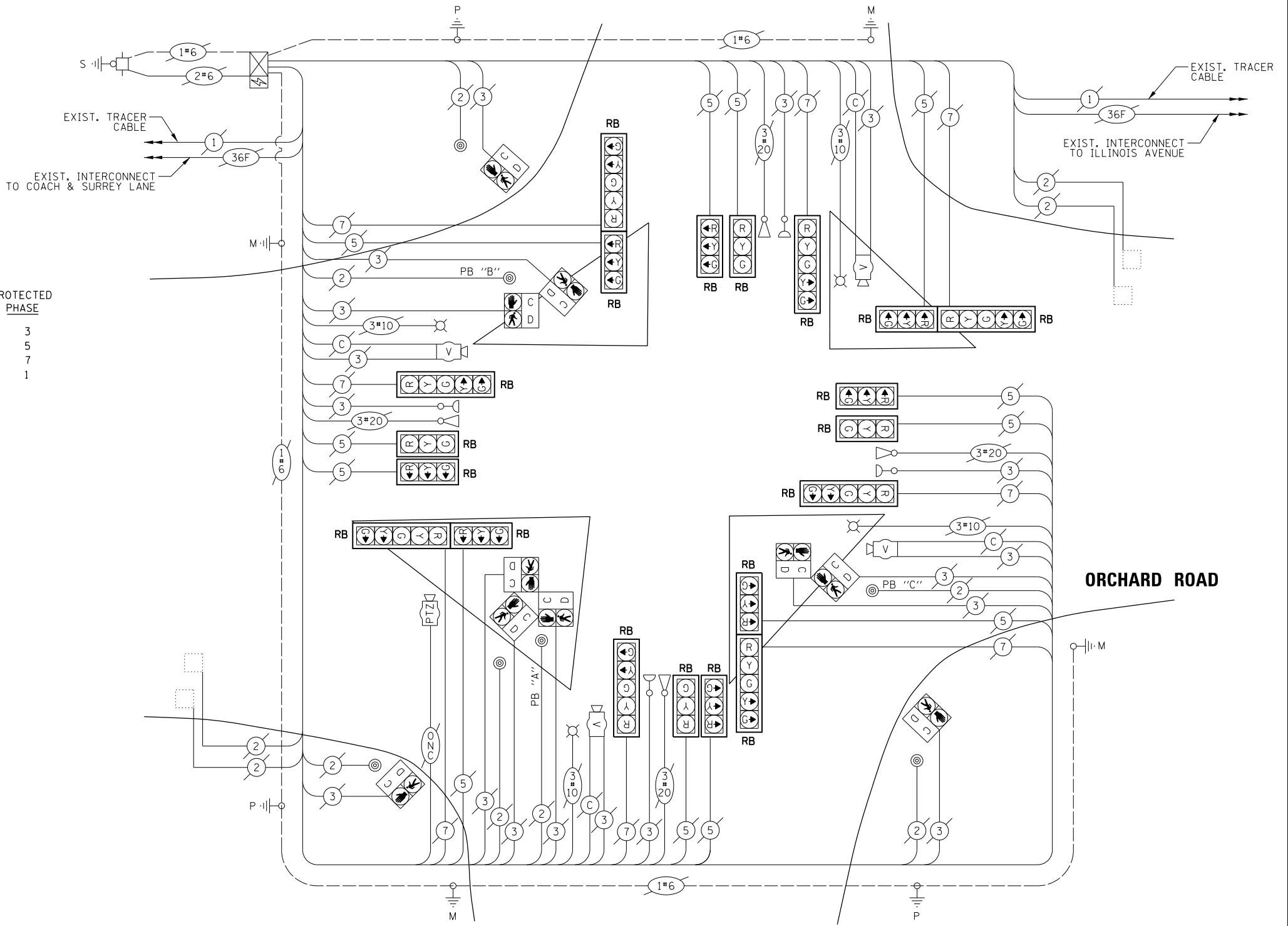


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	11	11	50	60.5
(YELLOW)	11	20	5	11.0
(GREEN)	11	12	45	59.4
SOLID ARROW (RED)	8	10	50	40.0
(GREEN & YELLOW)	23	10	10	23.0
FLASHING ARROW	-	10	5	-
PED. SIGNAL	10	20	100	200.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	250	50	500.0
TOTAL =				1168.9

ENERGY COSTS TO:
 CITY OF AURORA
 44 E. DOWNER PLACE
 AURORA, ILLINOIS 60505
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: (866) 639-3532
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

NOTE:
 PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
 PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
 PUSHBUTTON "C" SHALL PLACE A CALL IN PHASE 2



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	20.0

CABLE PLAN (NOT TO SCALE)

TS SHT NO.53

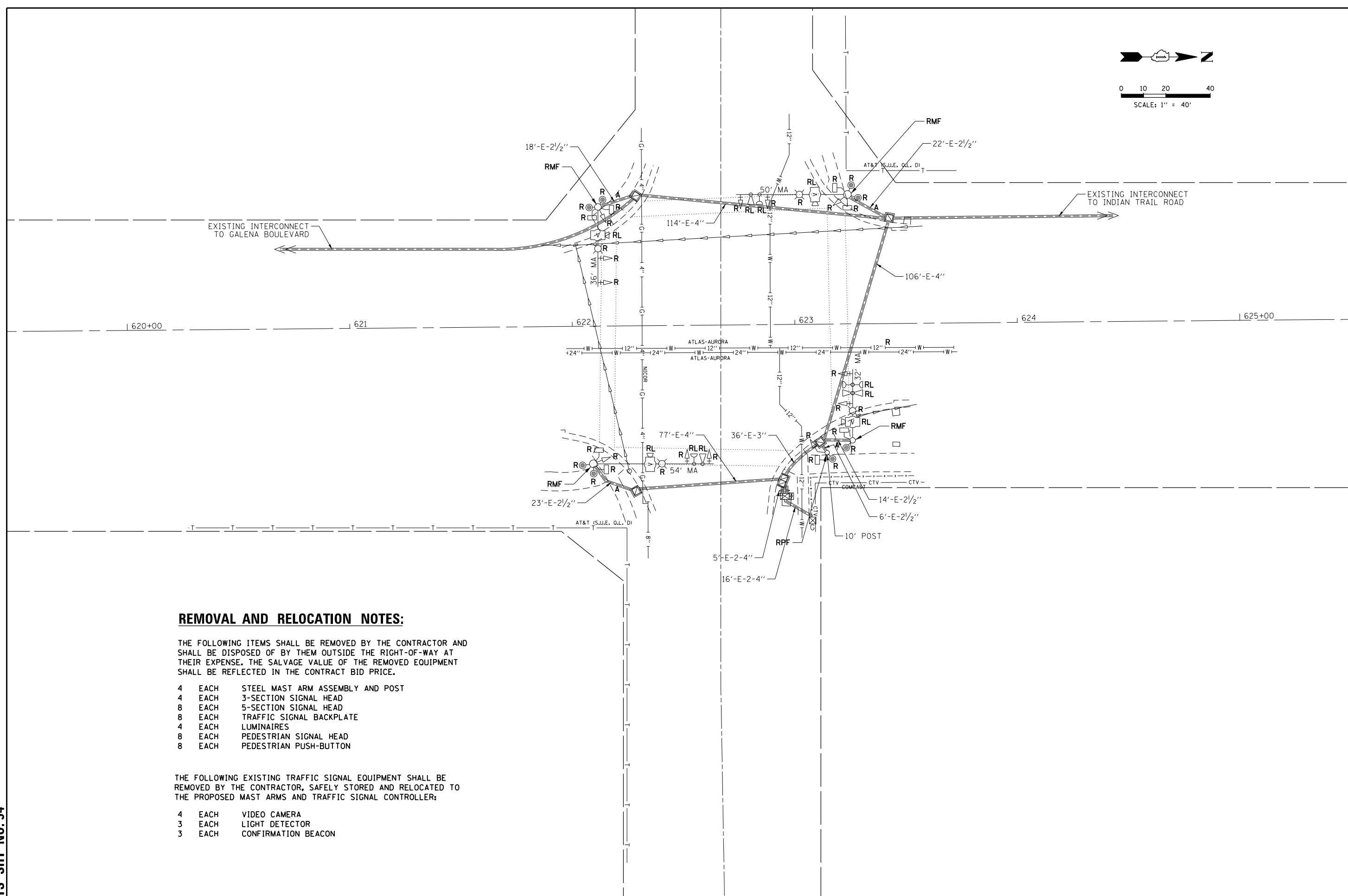
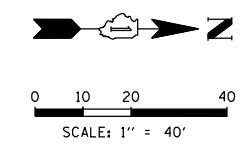
FILE NAME: 014_Orchard-Galena 02.CAB Rev	USER NAME: fbariso	DESIGNED: TFS	REVISED: -
		DRAWN: FPB	REVISED: -
		CHECKED: GMZ	REVISED: -
		DATE: 11/16/2018	REVISED: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE ORCHARD ROAD AND GALENA BOULEVARD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	94
CONTRACT NO. 61E74			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSIP-W3HX(781)	



REMOVAL AND RELOCATION NOTES:

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

- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 4 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH LUMINAIRES
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 8 EACH PEDESTRIAN PUSH-BUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 4 EACH VIDEO CAMERA
- 3 EACH LIGHT DETECTOR
- 3 EACH CONFIRMATION BEACON

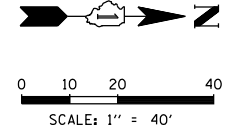
PROFILE	SURVEYED	DATE
	GRADES CHECKED	
PLAN	SURVEYED	DATE
	ALIGNMENT CHECKED	
BY	BY	DATE
	BY	DATE

TS SHT NO. 54

FILE NAME 015_Orchard-IL Ave 01.REM	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL REMOVAL PLAN ORCHARD ROAD AND ILLINOIS AVENUE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN - FPB	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	VAR.	12-00424-00-SP	KANE	171	95
		CHECKED - GMZ	REVISED -								CONTRACT NO. 61E74			
		DATE - 11/16/2018	REVISED -								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSIP-W3HX(781)			

CONSTRUCTION NOTES:

- ① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.



DATE	BY	DATE	BY
DATE	BY	DATE	BY

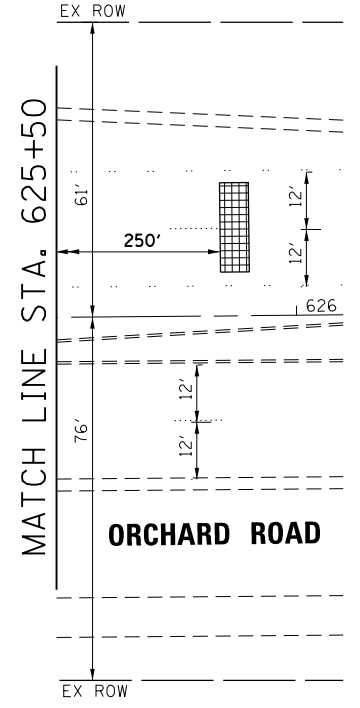
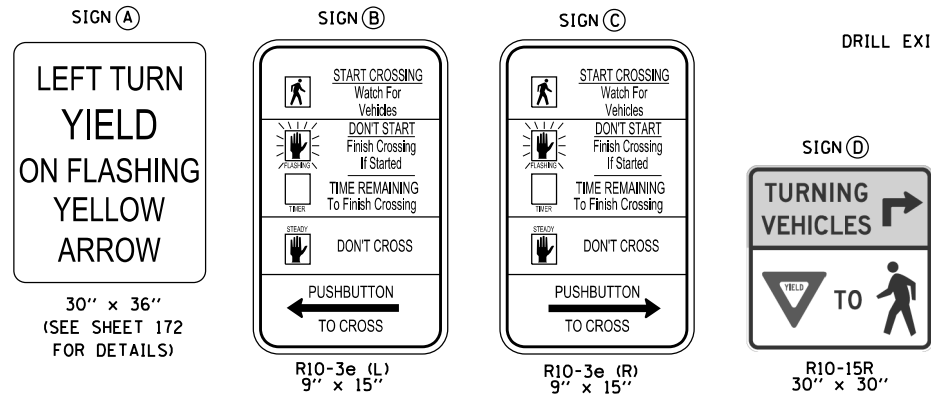
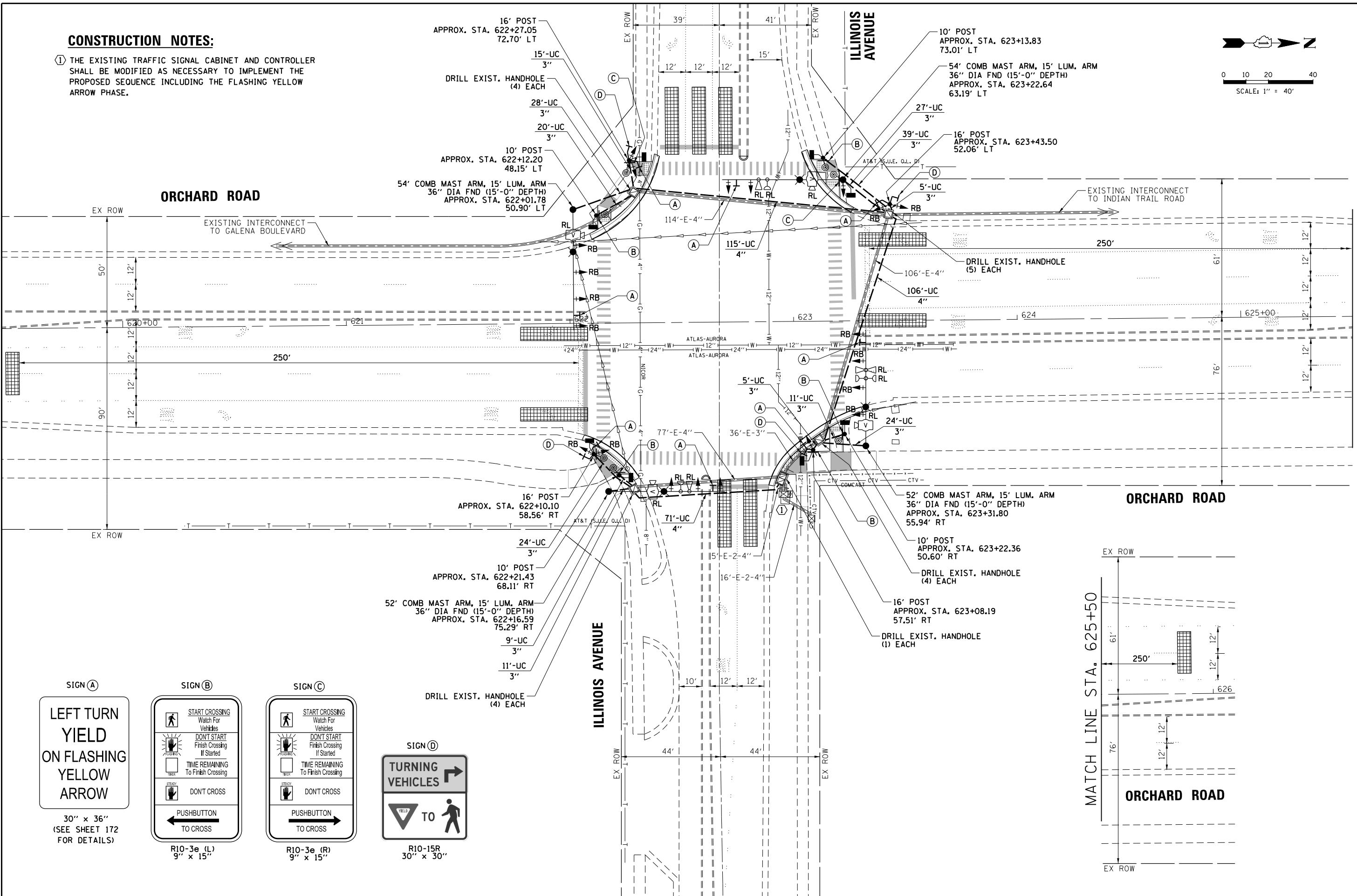
PLAN
NOTE BOOK NO. _____

PROFILE
NOTE BOOK NO. _____

STRUCTURE NOTATIONS CWK0

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(630) 923-5500

TS SHT NO. 55



FILE NAME 015_Orchard-IL Ave 02.MXD	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN ORCHARD ROAD AND ILLINOIS AVENUE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 48'	CHECKED - GMZ	REVISED -	VAR.			12-00424-00-SP	KANE	171	96	
PLOT DATE = 11/16/2018	DATE - 11/16/2018	REVISED -	CONTRACT NO. 61E74							
			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HSJP-W3HX(781)							

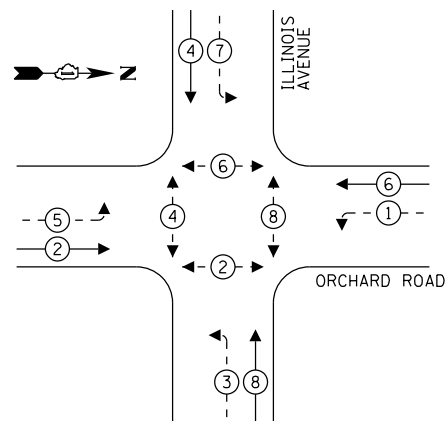
SCALE: SHEET NO. OF SHEETS STA. TO STA.

DATE: _____ BY: _____
 SURVEYED _____ ALIGNED _____
 GRADES CHECKED _____ RT. OF WAY CHECKED _____
 NOTE BOOK NO. _____
 PROFILE SURVEYED _____
 GRADES CHECKED _____
 BLK. NOTED _____
 STRUCTURE NOTATIONS OK/NO

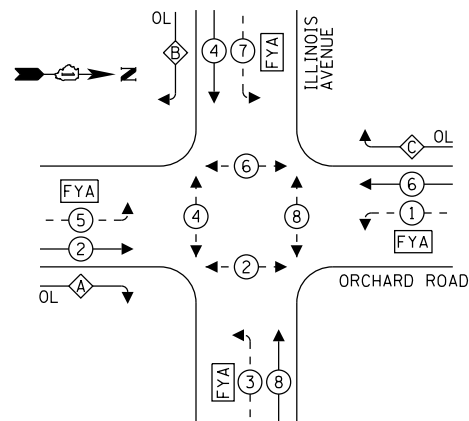
TS SHT NO.56

CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5500

EXISTING CONTROLLER SEQUENCE



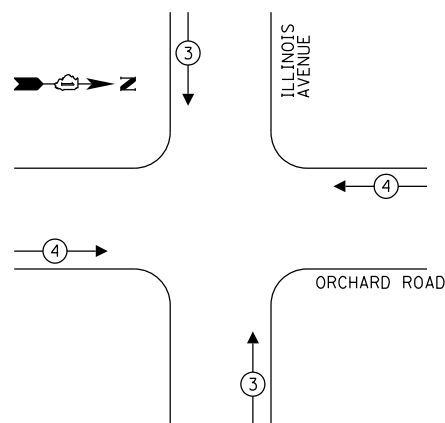
PROPOSED CONTROLLER SEQUENCE



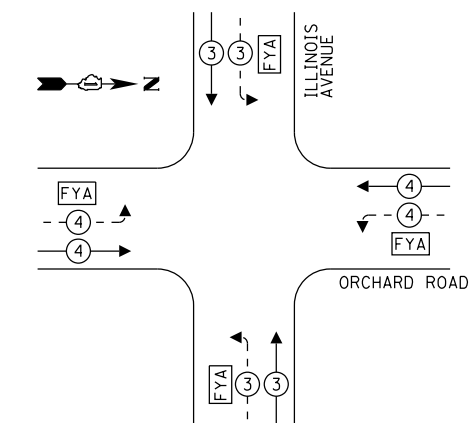
LEGEND:

- ⊙ — PROTECTED PHASE
- ⊙ — PROTECTED/PERMITTED PHASE
- ⊙ — PEDESTRIAN PHASE
- ⊙ — OVERLAP
- FYA — FLASHING YELLOW ARROW

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5
C	= 6	+ 7

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
SOLID ARROW (RED)	8	10	50	40.0
(GREEN & YELLOW)	24	10	10	24.0
FLASHING ARROW	8	10	5	4.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	190	50	380.0
TOTAL =				1025.8

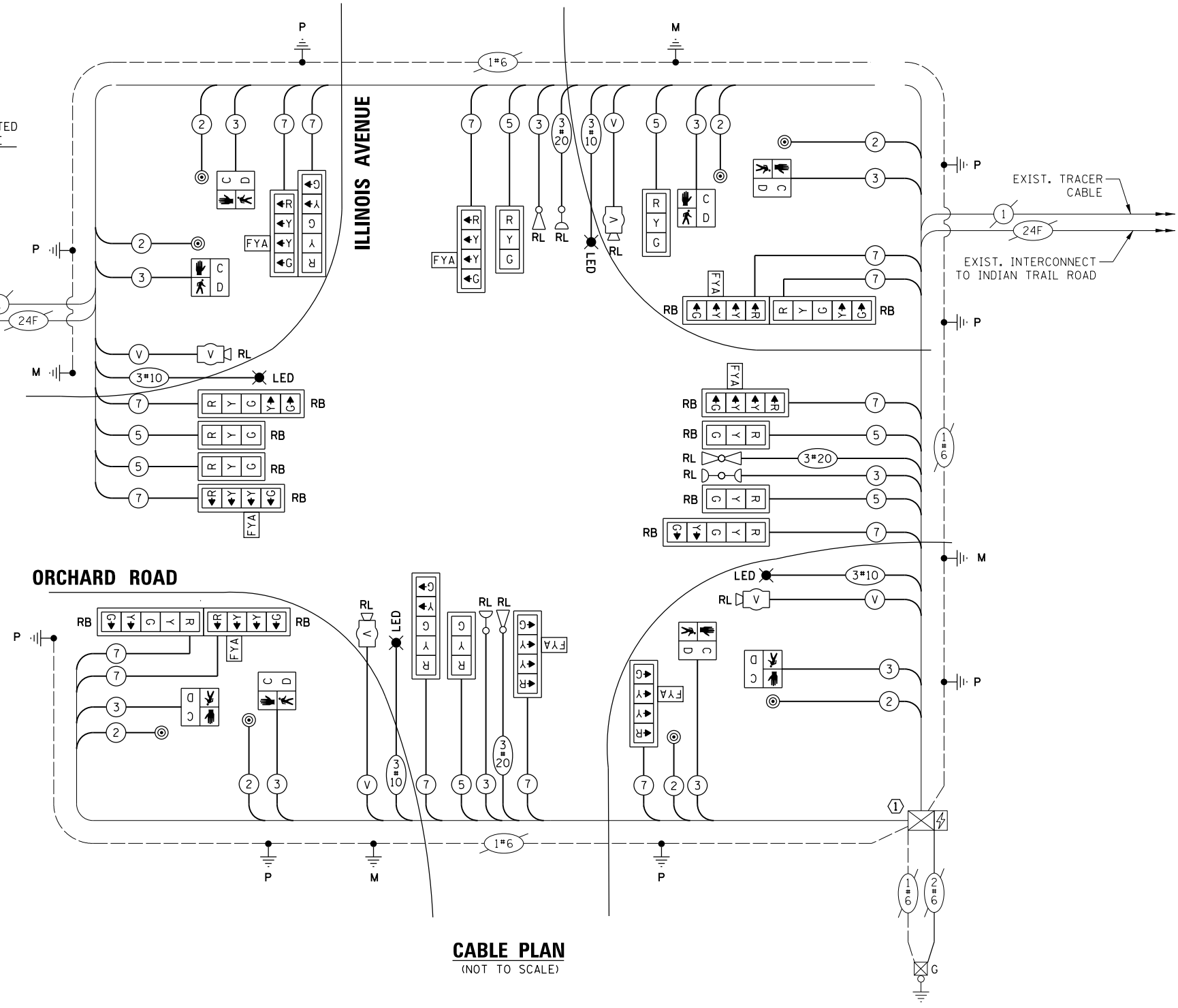
ENERGY COSTS TO:

CITY OF AURORA
 44 E. DOWNER PLACE
 AURORA, ILLINOIS 60505

ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: (866) 639-3532
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

CONSTRUCTION NOTES:

- 1 THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.



CABLE PLAN
(NOT TO SCALE)

FILE NAME: 015_Orchard-IL Ave 03.CAB
 USER NAME: fbariso

DESIGNED - TFS
 DRAWN - FPB
 CHECKED - GMZ
 DATE - 11/16/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

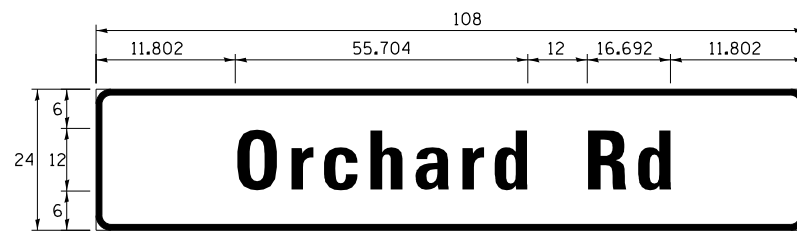
CABLE PLAN, PHASE DESIGNATION DIAGRAM
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 ORCHARD ROAD AND ILLINOIS AVENUE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

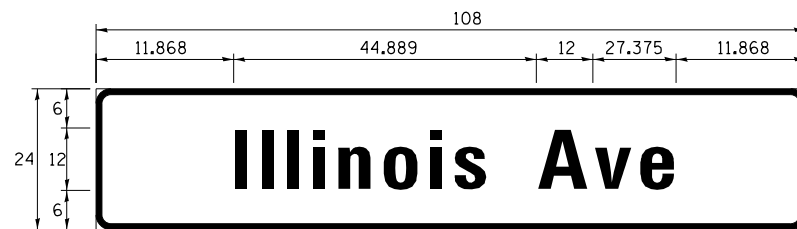
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	97
CONTRACT NO. 61E74			HSJP-W3HX(781)	

SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	18.0	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	18.0	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	85.0
SIGN PANEL - TYPE 2	SQ FT	72.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	213.0
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	292.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 4	FOOT	2,773.0
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,521.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,040.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,765.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,636.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,671.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	2.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	2.0
CONCRETE FOUNDATION, TYPE A	FOOT	32.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60.0
DRILL EXISTING HANDHOLE	EACH	19.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1.0
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4.0
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4.0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3.0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3.0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8.0
TRAFFIC SIGNAL BACKPLATE	EACH	8.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12.0
PEDESTRIAN PUSH-BUTTON	EACH	8.0
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3.0
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9,764.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5.0
RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	463.0
* ROD AND CLEAN EXISTING CONDUIT	FOOT	500.0
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	1.0
LUMINAIRE, LED, HORIZONTAL MOUNT, 190 WATT (SPECIAL)	EACH	4.0
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1.0
MAINTAIN EXISTING LIGHTING SYSTEM	LSUM	1.0

*Nominal Quantity to be Used as Directed by the Engineer

DATE	BY	DATE	BY
DATE	BY	DATE	BY
DATE	BY	DATE	BY

CHRISTOPHER B. BURKE ENGINEERING LTD.
 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 922-5500



DATE	BY	DATE	BY
DATE	BY	DATE	BY
DATE	BY	DATE	BY

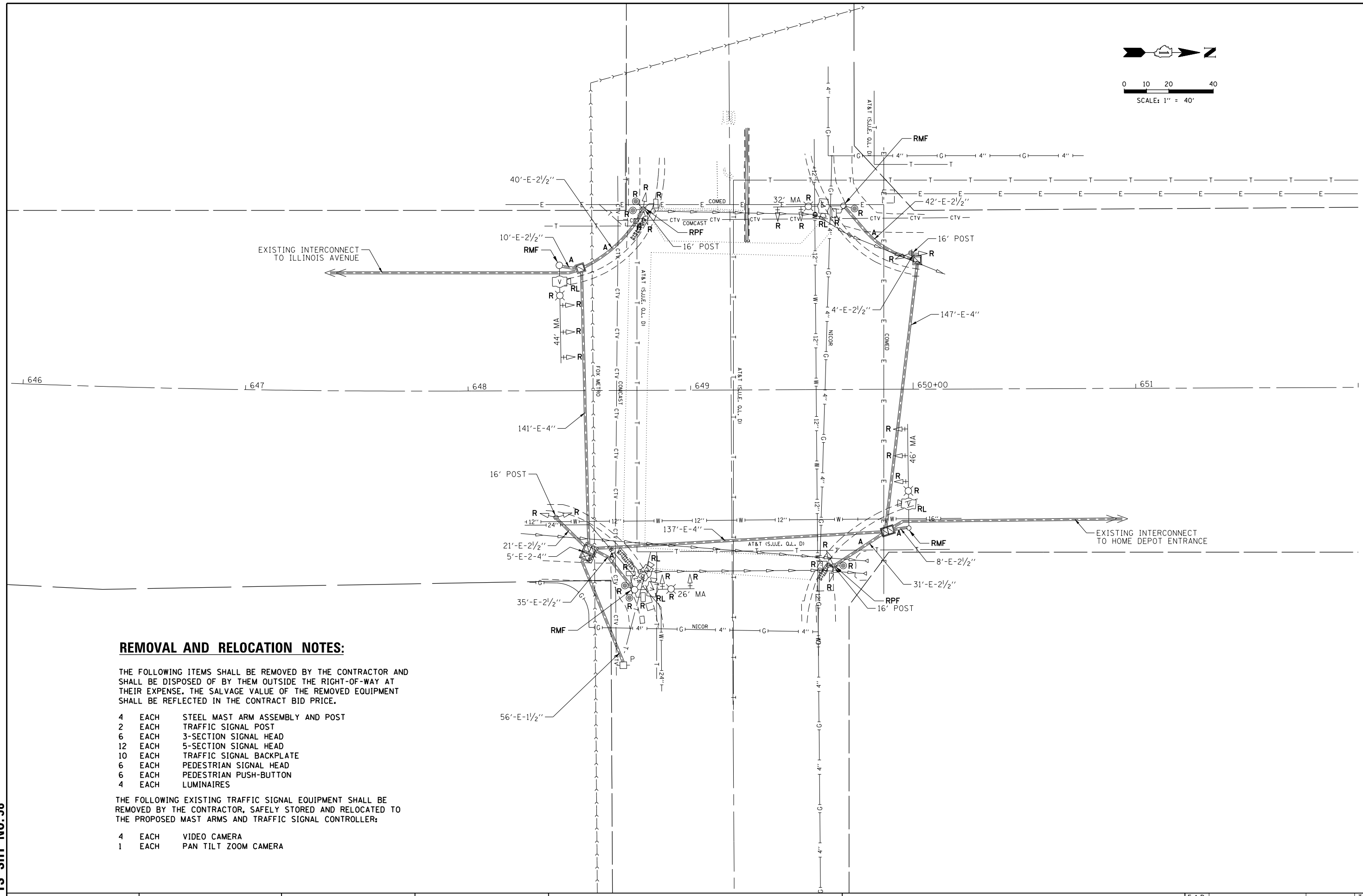
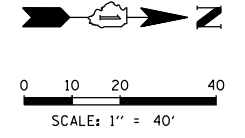
TS SHT NO. 57

FILE NAME 015_Orchard-IL Ave 03.CAB-2	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN ORCHARD ROAD AND ILLINOIS AVENUE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - FPB	REVISED -		VAR.	12-00424-00-SP	KANE	171	98				
		CHECKED - GMZ	REVISED -		CONTRACT NO. 61E74								
		PLOT DATE = 11/16/2018	DATE = 11/16/2018		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HS1P-W3HX(781)	

DATE	BY	SURVEYED	PLAN
		ALIGNED	NOTE BOOK
		RT. OF WAY CHECKED	NO.
		ADD. FILE NAME	
DATE	BY	SURVEYED	PROFILE
		GRADES CHECKED	NOTE BOOK
		BLM. NOTED	NO.
		STRUCTURE NOTATIONS	CHKD

TS SHT NO.58

CHRISTOPHER B. BURKE ENGINEERING LTD.
 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (617) 823-5500



REMOVAL AND RELOCATION NOTES:

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

- 4 EACH STEEL MAST ARM ASSEMBLY AND POST
- 2 EACH TRAFFIC SIGNAL POST
- 6 EACH 3-SECTION SIGNAL HEAD
- 12 EACH 5-SECTION SIGNAL HEAD
- 10 EACH TRAFFIC SIGNAL BACKPLATE
- 6 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 4 EACH LUMINAIRES

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- 4 EACH VIDEO CAMERA
- 1 EACH PAN TILT ZOOM CAMERA

FILE NAME	USER NAME = fbariso
016_Orchard-Indian Trail 01.REM	

DESIGNED - TFS	REVISED -
DRAWN - FPB	REVISED -
CHECKED - GMZ	REVISED -
DATE - 11/16/2018	REVISED -

DESIGNED - TFS	REVISED -
DRAWN - FPB	REVISED -
CHECKED - GMZ	REVISED -
DATE - 11/16/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

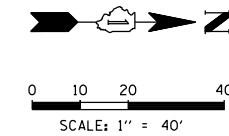
**TRAFFIC SIGNAL REMOVAL PLAN
ORCHARD ROAD AND INDIAN TRAIL ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	99
CONTRACT NO. 61E74				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HS1P-W3HX(781)		

SCALE: SHEET NO. OF SHEETS STA. TO STA.

CONSTRUCTION NOTES:

① THE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER SHALL BE MODIFIED AS NECESSARY TO IMPLEMENT THE PROPOSED SEQUENCE INCLUDING THE FLASHING YELLOW ARROW PHASE.

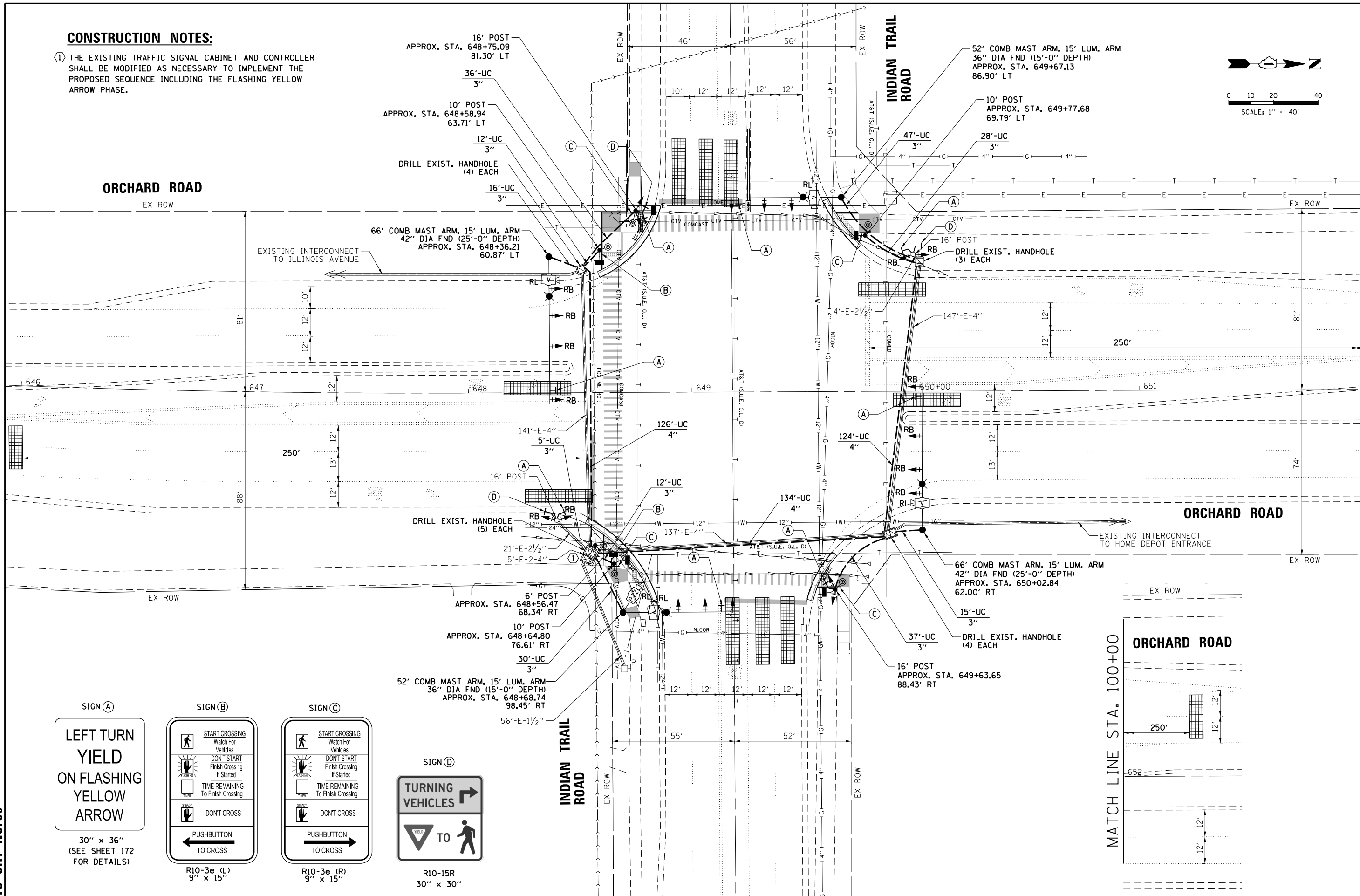


DATE	BY	DATE	BY
DATE	BY	DATE	BY
DATE	BY	DATE	BY
DATE	BY	DATE	BY
DATE	BY	DATE	BY

ENGINEERING LTD.
CHRISTOPHER B. BURKE
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (617) 923-5930

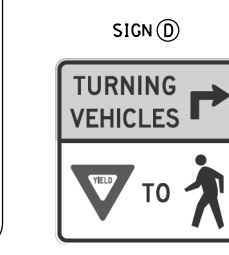
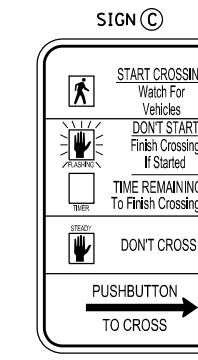
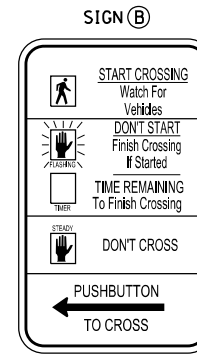
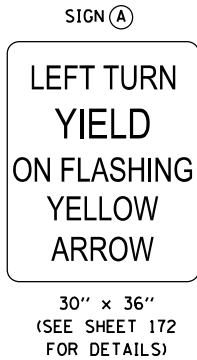
PROF. FILE SURVEYED GRADES CHECKED
 NOTE BOOK NO. _____
 PLAN CHECKED ALIGNMENT CHECKED
 RT. OF WAY CHECKED
 DATE FILE NAME

TS SHT NO.59



MATCH LINE STA. 652+00

MATCH LINE STA. 100+00



FILE NAME	USER NAME = fbariso	DESIGNED - TFS	REVISED -
016_Orchard-Indian Trail 02.MOD		DRAWN - FPB	REVISED -
		CHECKED - GMZ	REVISED -
		DATE - 11/16/2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
 ORCHARD ROAD AND INDIAN TRAIL ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	12-00424-00-SP	KANE	171	100
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61E74	
		HSJIP-W3HX(781)		

SCALE: SHEET NO. OF SHEETS STA. TO STA.