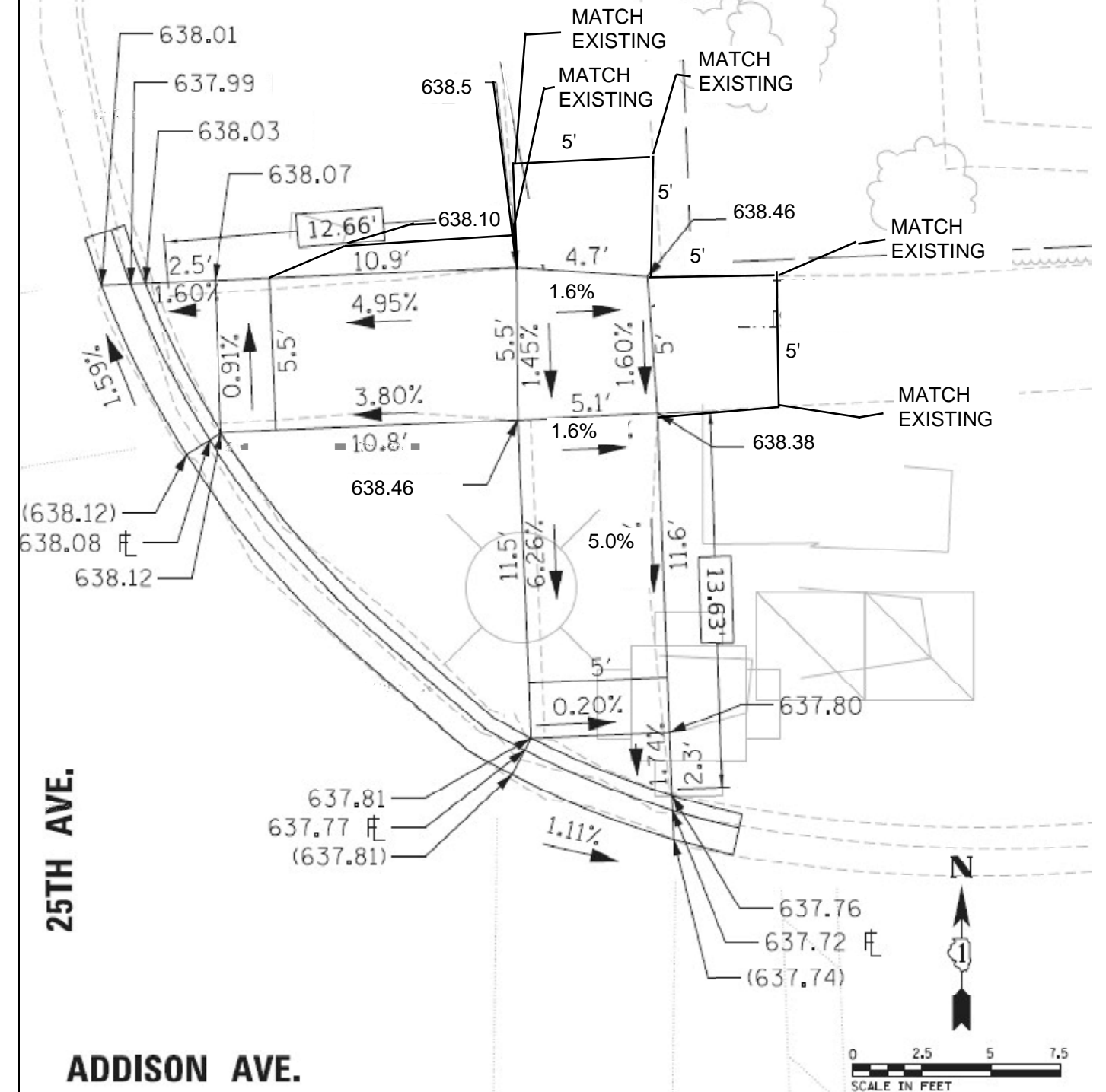


REVISD ENTIRE SHEET 10/24/2024

FILE NAME =	USER NAME = yaseenzuresh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PEDESTRIAN RAMP DETAILS MANNHEIM RD. AT WRIGHTWOOD AVE. - SE & SW CORNERS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw2/ll-dot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/District 1/ORD Projects/P126315/CADDData/Leyden/CADsheet		DRAWN -	REVISED -					VAR	2021-177-SW	COOK/DUPAGE	167	84
PLOT SCALE = 100,000' / in.		CHECKED -	REVISED -					CONTRACT NO. 62P98				
PLOT DATE = 2/7/2024		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.					



(XXX.XX')	EXISTING
XXX.XX'	PROPOSED
*	MEP
X.XX'	REF. DIM.



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-177-SW	COOK/DUPAGE	167	118
CONTRACT NO. 62P98				
		ILLINOIS	FED. AID PROJECT	

ADDISON AVE.

(XXX.XX') EXISTING  
XXX.XX' PROPOSED  
\* MEP  
[X.XX'] REF. DIM.

25TH AVE.

ADDISON AVE.

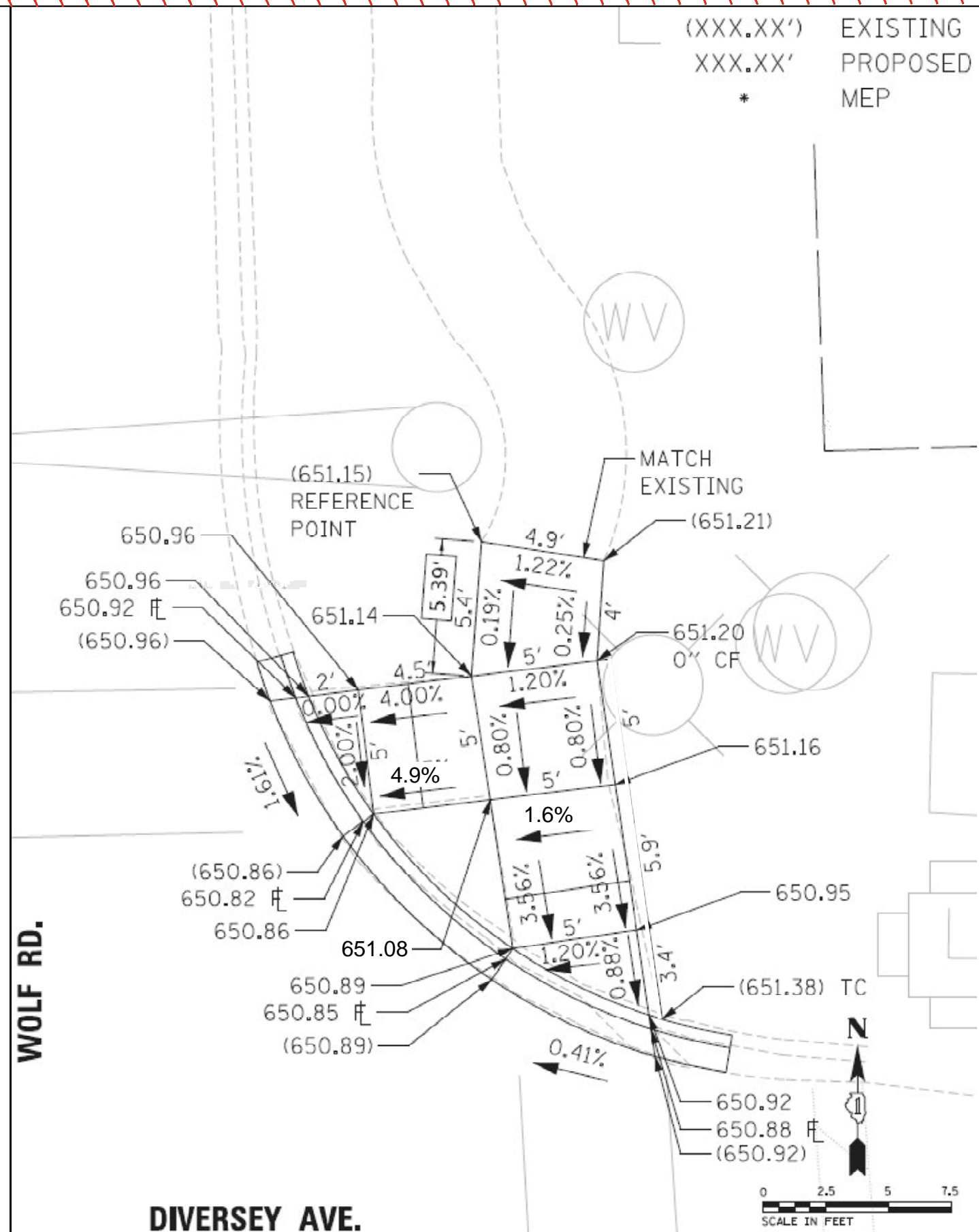
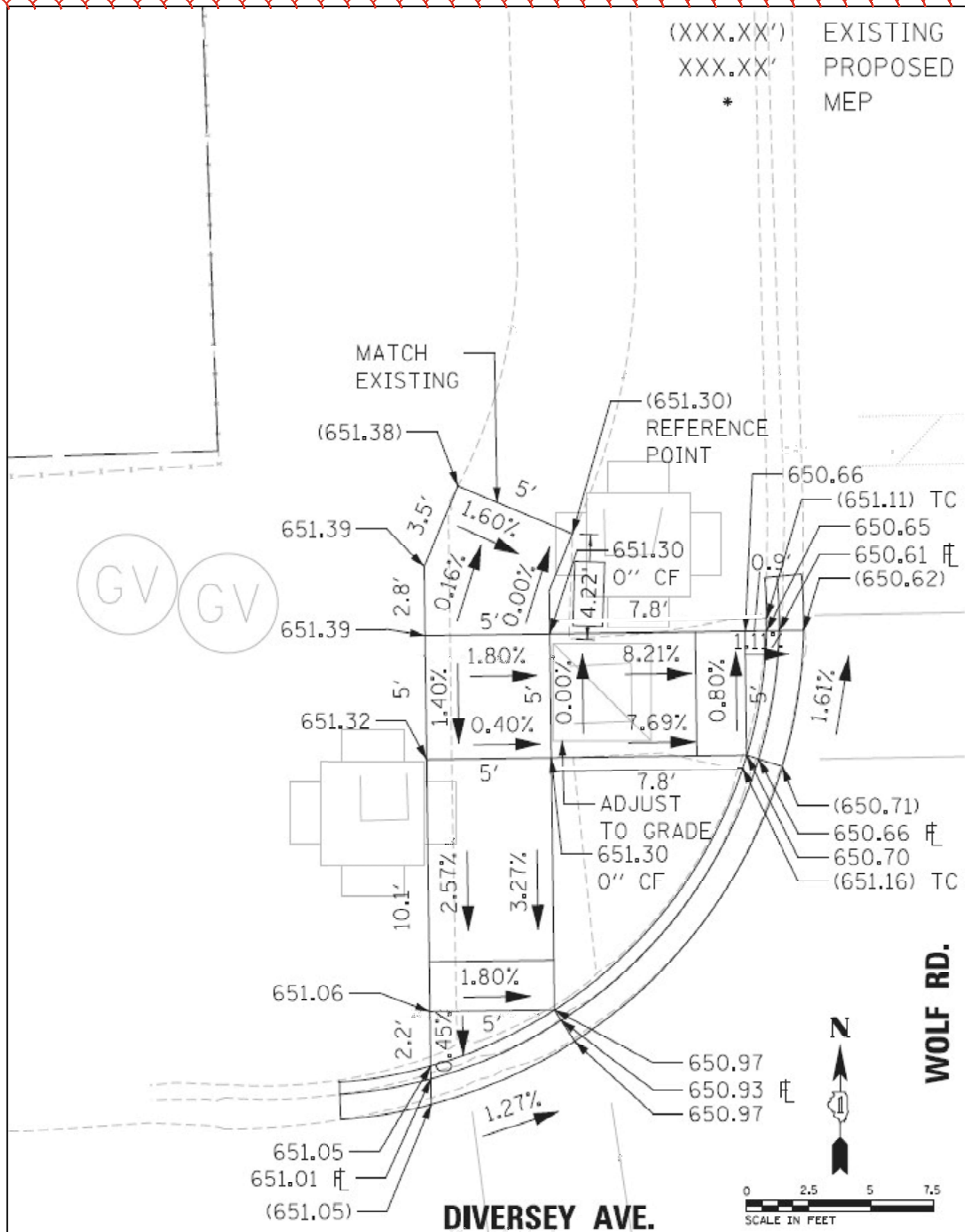
25TH AVE.

(XXX.XX') EXISTING  
XXX.XX' PROPOSED  
\* MEP  
[X.XX'] REF. DIM.

REVISD ENTIRE SHEET 10/24/2024

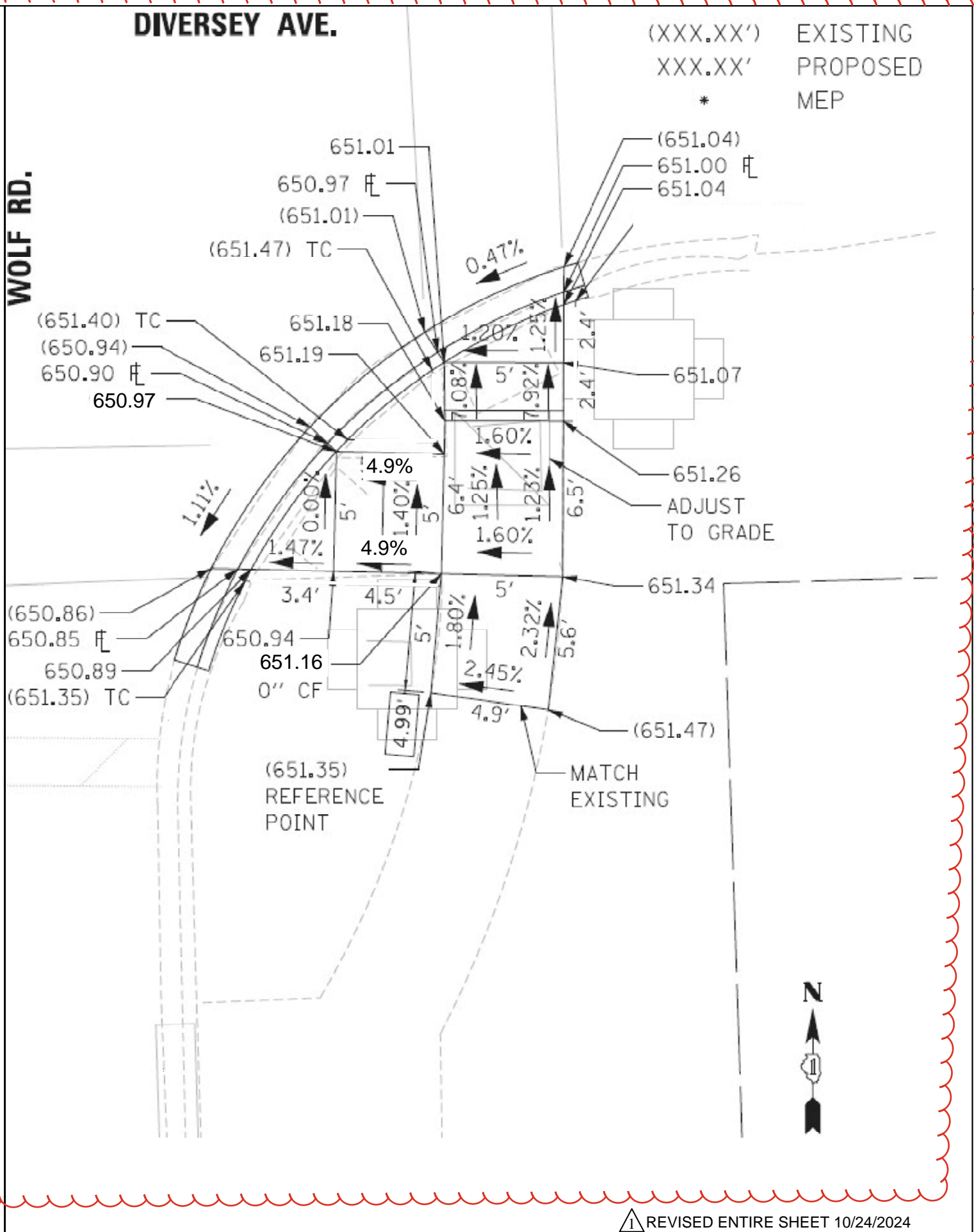
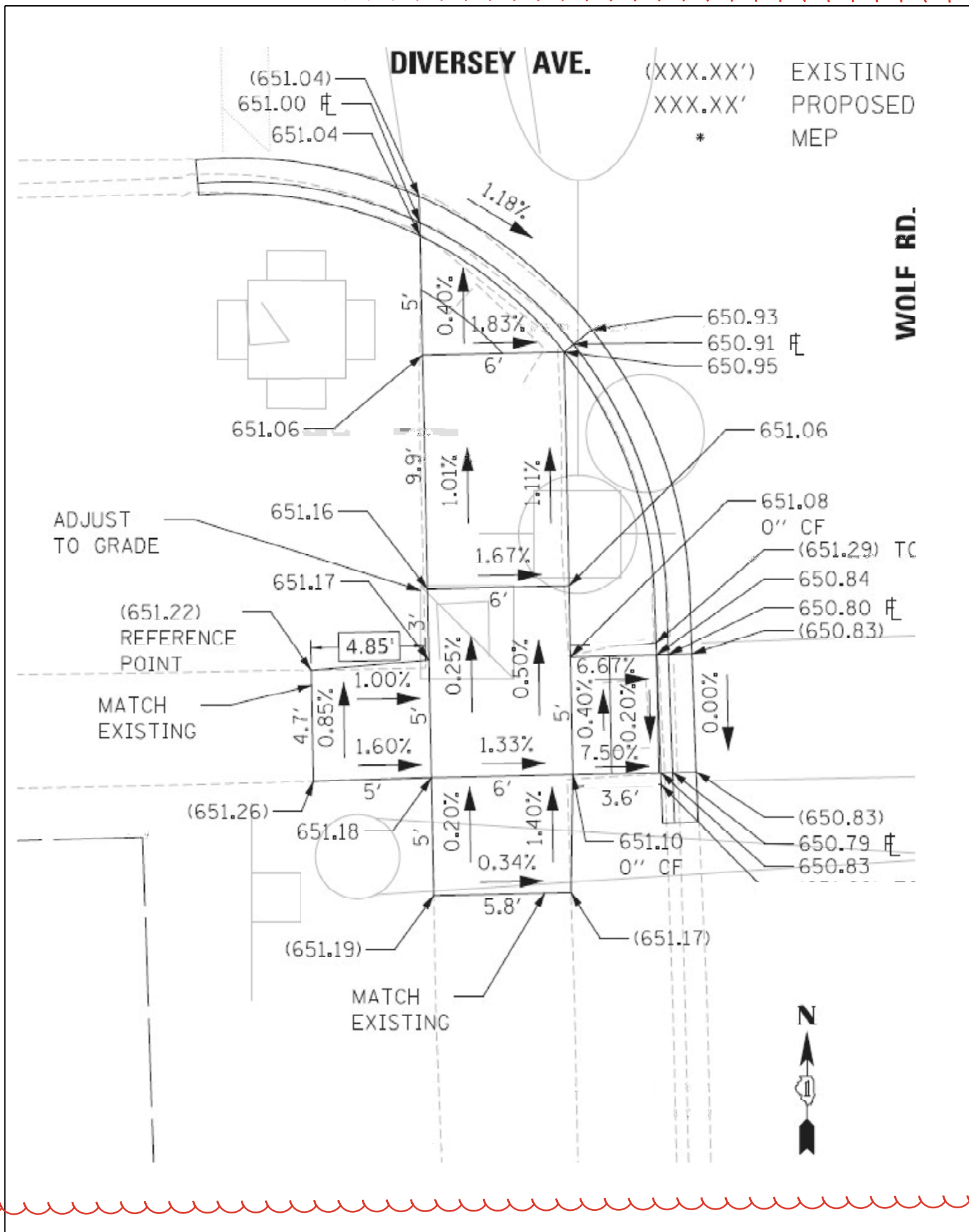
FILE NAME =	USER NAME = yaseenzuresh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PEDESTRIAN RAMP DETAILS 25TH AVE. AT ADDISON AVE. - SE & SW CORNERS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw2/ll-dot-pw-bentley.com/PWIDOT/Documents/IDOT Offices/District 1/ORD Projects/P126315/CADDData/Leyden/CADsheet		DRAWN -	REVISED -				VAR	2021-177-SW	COOK/DUPAGE	167	119
PLOT SCALE = 100,0000' / in.		CHECKED -	REVISED -							CONTRACT NO. 62P98	
PLOT DATE = 2/7/2024		DATE -	REVISED -				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	





1 REVISED ENTIRE SHEET 10/24/2024

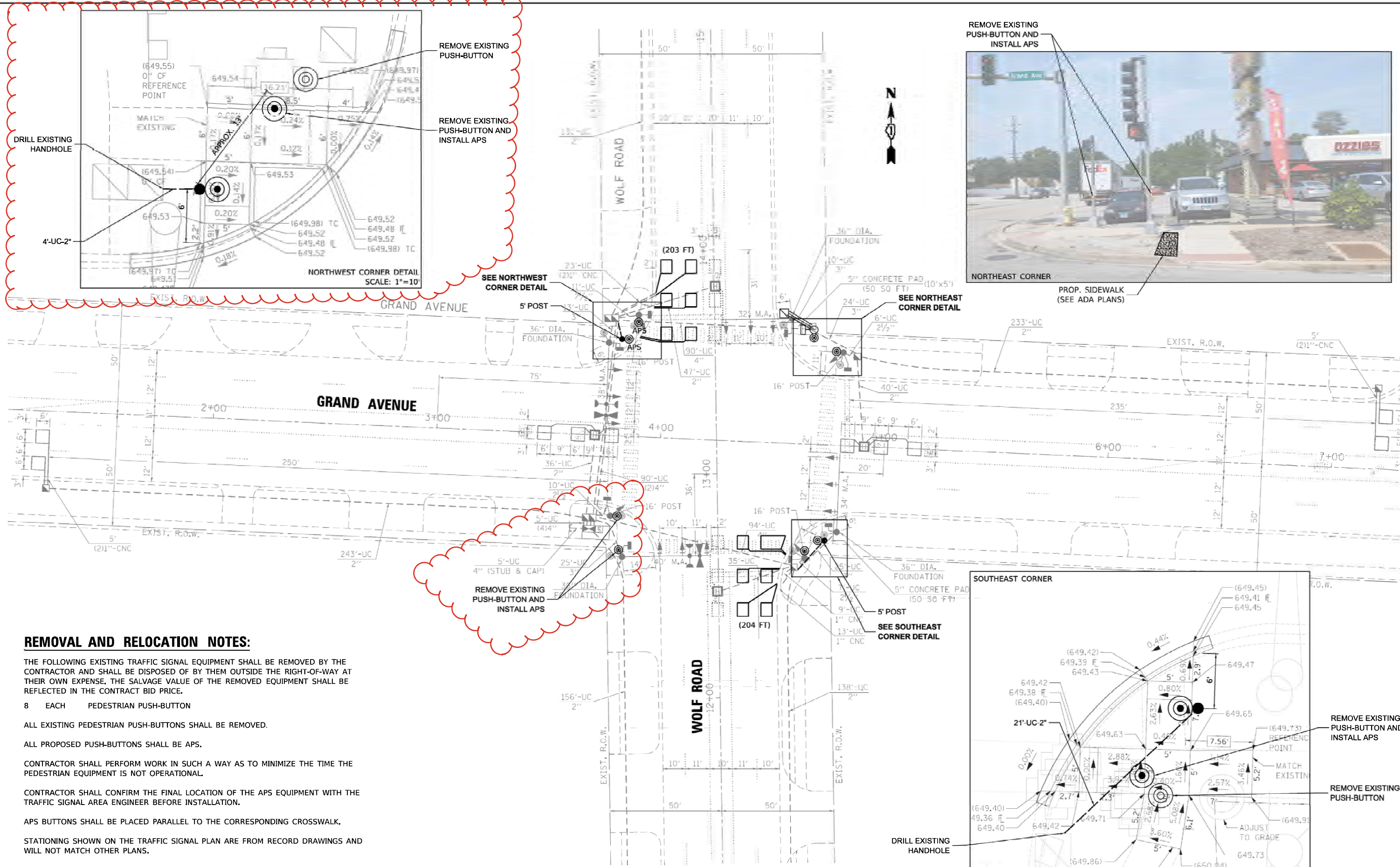
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pw2/ldot-pw.bentley.com/PWIDOT/IDOT Offices/District 1/ORD Projects/P126315/CADDData/Leyden/CADsheets/		DRAWN -	REVISED -					VAR	2021-177-SW	COOK/DUPAGE	167	127
PLOT SCALE = 100,0000' / in.		CHECKED -	REVISED -									CONTRACT NO. 62P98
PLOT DATE = 2/7/2024		DATE -	REVISED -									ILLINOIS FED. AID PROJECT
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.				



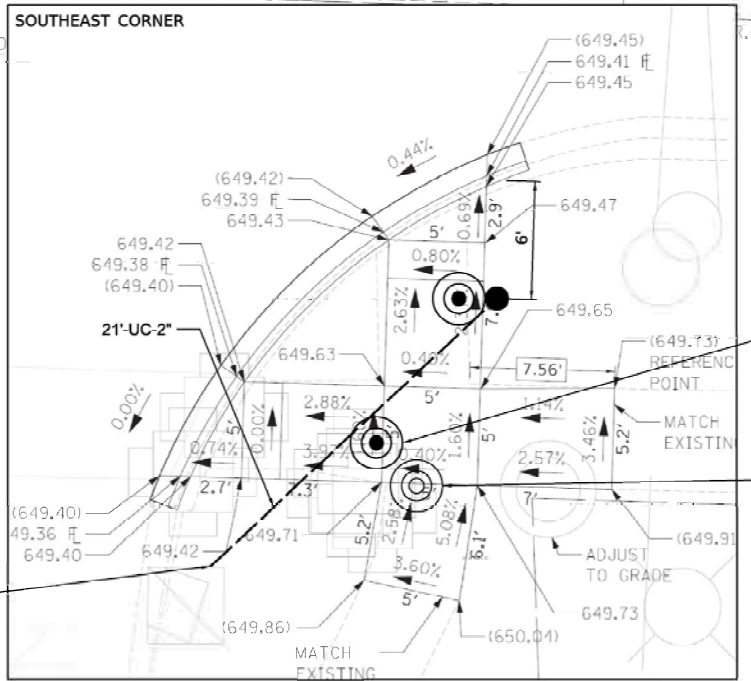
REVISD ENTIRE SHEET 10/24/2024

FILE NAME =	USER NAME = yaseen,qureshi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PEDESTRIAN RAMP DETAILS WOLF RD. AT DIVERSEY AVE. - SE & SW CORNERS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw2/illdot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/District 1/ORD Projects/P126315/CADData/Leyden/CADsheets/		DESIGNED -	REVISED -					VAR	2021-177-SW	COOK/DUPAGE	167	128
PLOT SCALE = 100,0000' / in.		CHECKED -	REVISED -									
PLOT DATE = 2/7/2024		DATE -	REVISED -									
						SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		





NORTHEAST CORNER  
PROP. SIDEWALK (SEE ADA PLANS)



REMOVE EXISTING PUSH-BUTTON AND INSTALL APS

REMOVE EXISTING PUSH-BUTTON

**REMOVAL AND RELOCATION NOTES:**

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

- 8 EACH PEDESTRIAN PUSH-BUTTON
- ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.
- ALL PROPOSED PUSH-BUTTONS SHALL BE APS.

CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.

REVISD ENTIRE SHEET 10/24/2024



USER NAME = bfunck	DESIGNED = KSB	REVISED =
	DRAWN = KSB	REVISED =
PLOT SCALE = 100.0000' / in.	CHECKED = BF	REVISED =
PLOT DATE = 9/25/2024	DATE = 9/25/24	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APS INSTALLATION PLAN  
GRAND AVENUE AND WOLF ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-177-SW	COOK	167	146
CONTRACT NO. 62P98				
ILLINOIS FED. AID PROJECT				

TS 5220



MODEL: Default  
FILE: MAPLE\_C:\Sharepoint\ITERS INC\Systems - Midwest - Chicago Construction\DOT 718 204-010 D1 APS PROJECT MANAGEMENT\12085 - WO 8 - Layden Township\CAD\Sheet F\12085-08-15 MOD.dgn

### REMOVAL AND RELOCATION NOTES:

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

8 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

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CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.

iteris

USER NAME = bfunck	DESIGNED = KSB	REVISED =
PLOT SCALE = 100.0000' / in.	DRAWN = KSB	REVISED =
PLOT DATE = 9/25/2024	CHECKED = BF	REVISED =
	DATE = 9/25/24	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APS INSTALLATION PLAN  
US ROUTE 12 / 45 (MANNHEIM ROAD) AND FULLERTON AVENUE

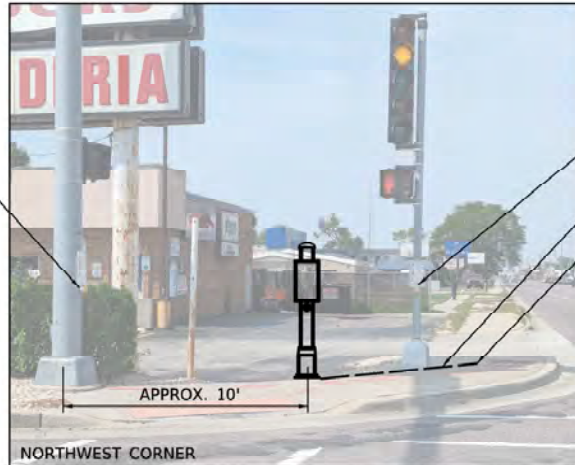
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-177-SW	COOK	167	148
CONTRACT NO. 62P98				
ILLINOIS FED. AID PROJECT				

1 REVISED ENTIRE SHEET 10/24/2024

TS 1110  
ECON 38

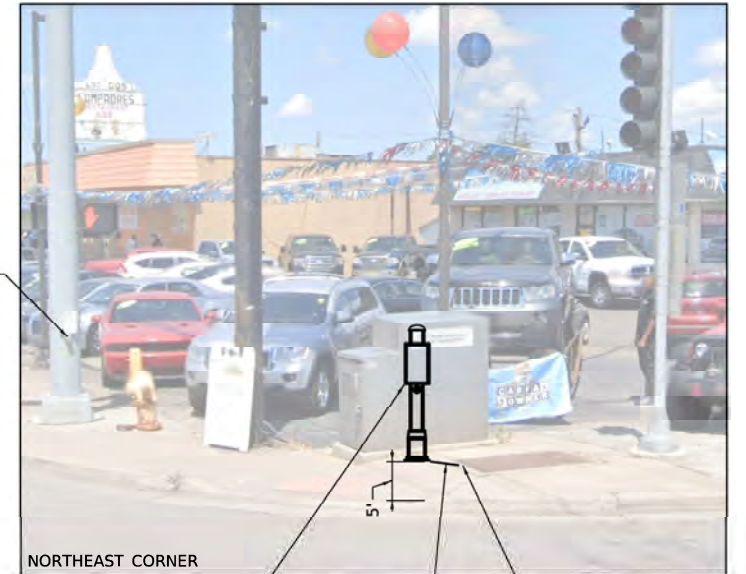
REMOVE EXISTING  
PUSH-BUTTON AND  
INSTALL APS



REMOVE EXISTING  
PUSH-BUTTON  
12'-UC-2"  
DRILL EXISTING  
HANDHOLE

SEE NORTHWEST  
CORNER DETAIL

REMOVE EXISTING  
PUSH-BUTTON



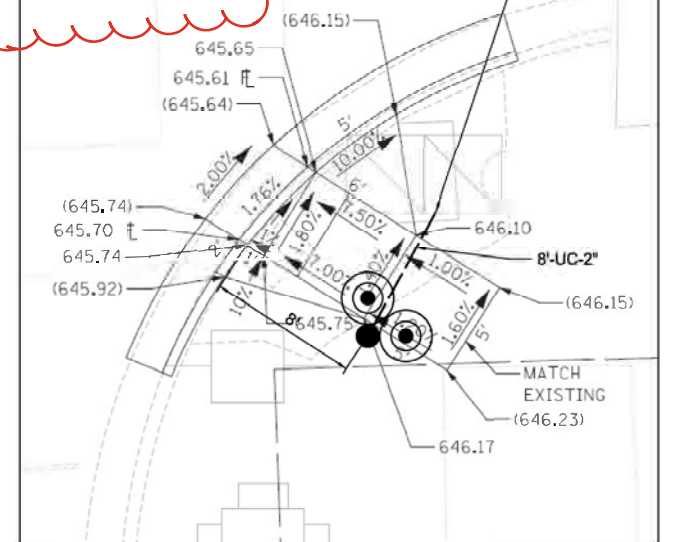
INSTALL APS  
PUSHBUTTON (2)  
1'-UC-2"

DRILL EXISTING  
HANDHOLE

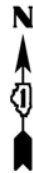
FULLERTON AVENUE

US ROUTE 12/45 (MANNHEIM ROAD)

SOUTHEAST CORNER DETAIL  
SCALE: 1"=10'







## REMOVAL AND RELOCATION NOTES:

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

2 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

ALL PROPOSED PUSH-BUTTONS SHALL BE APS.

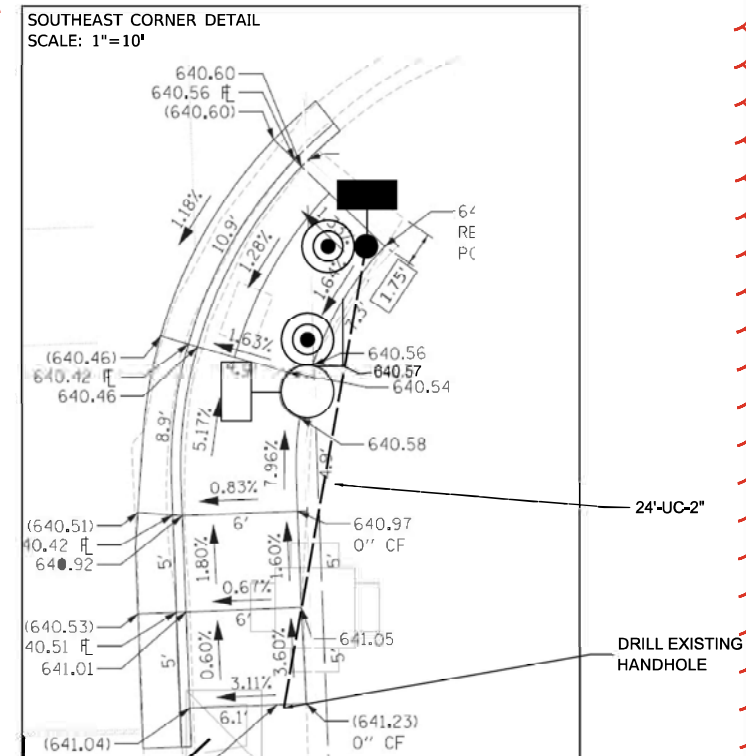
CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

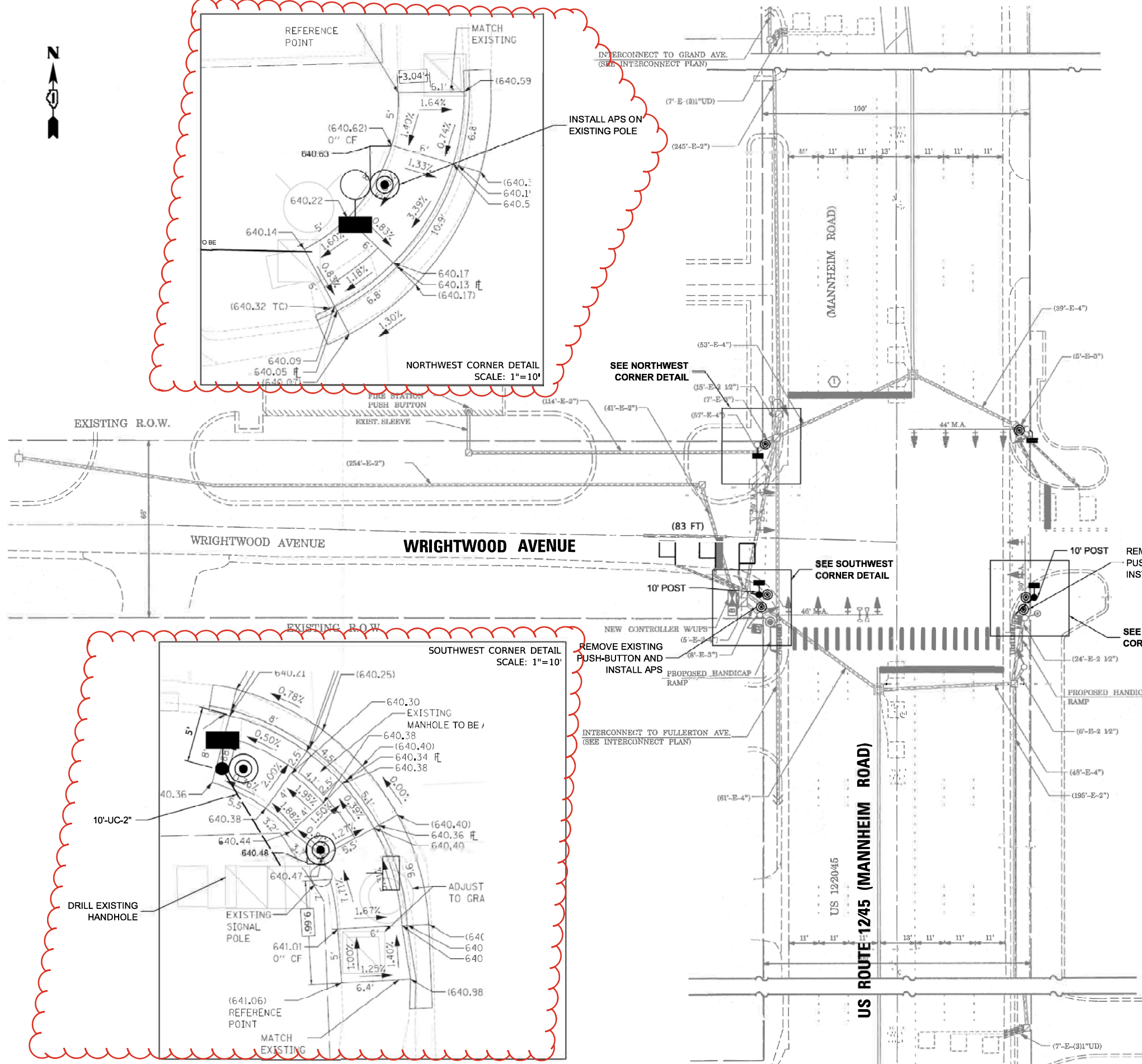
STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.



TS 1114  
ECON 38

1 REVISED ENTIRE SHEET 10/24/2024



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APS INSTALLATION PLAN  
US ROUTE 12 / 45 (MANNHEIM ROAD) AND WRIGHTWOOD AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-177-SW	COOK	167	150
CONTRACT NO. 62P98				
ILLINOIS FED. AID PROJECT				

iteris

USER NAME = bfunk	DESIGNED = KSB	REVISED =
PLOT SCALE = 100.0000' / in.	DRAWN = KSB	REVISED =
PLOT DATE = 9/27/2024	CHECKED = BF	REVISED =
	DATE = 9/25/24	REVISED =

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

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APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.



1 REVISED ENTIRE SHEET 10/24/2024

TS 10970  
ECON 38**iteris®**

USER NAME = bfunck	DESIGNED = KSB	REVISED =
	DRAWN = KSB	REVISED =
PLOT SCALE = 100.0000" / in.	CHECKED = BF	REVISED =
PLOT DATE = 9/25/2024	DATE = 9/25/24	REVISED =

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

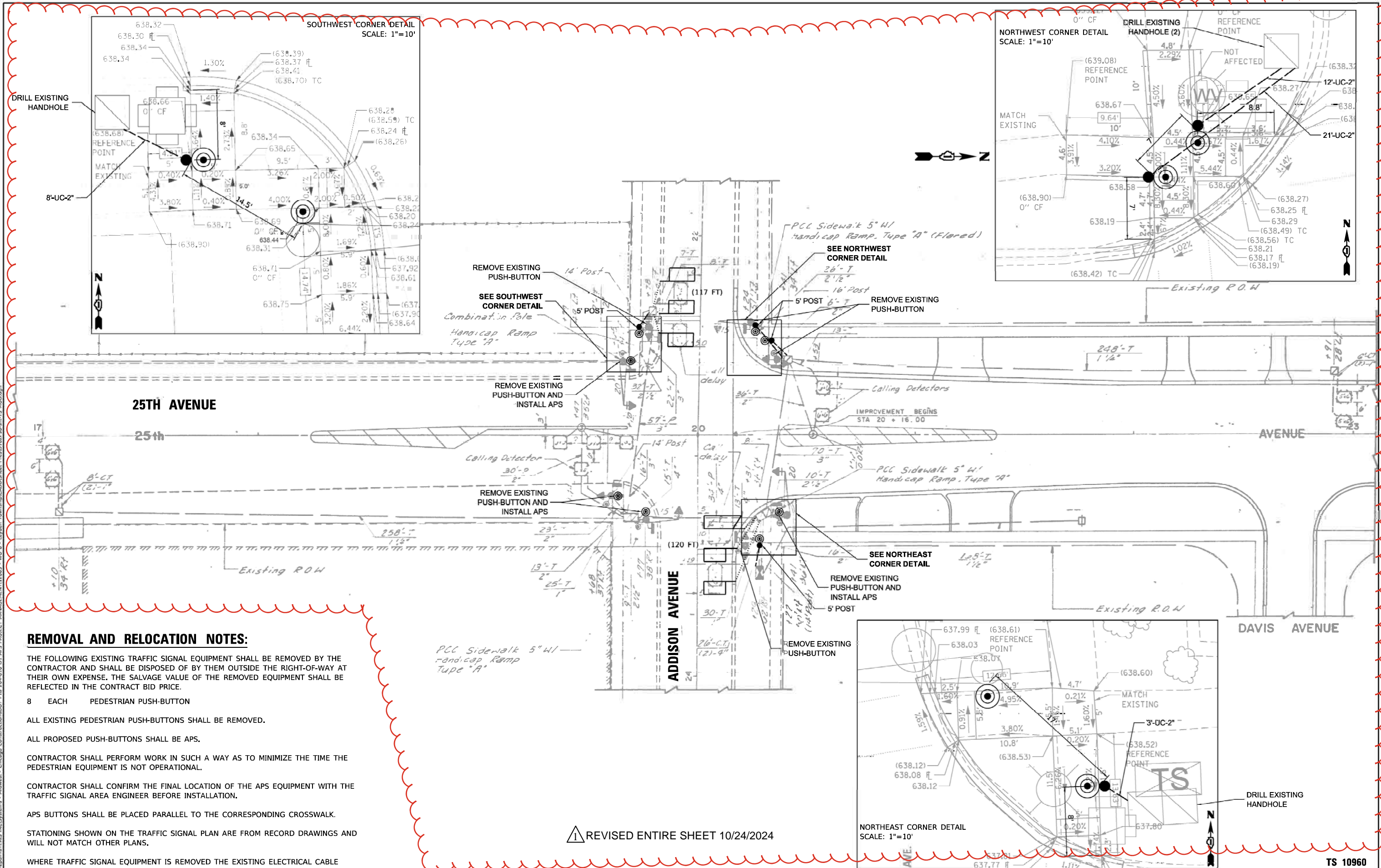
**APS INSTALLATION PLAN**  
**US ROUTE 12 / 45 (MANNHEIM ROAD) AND BELMONT AVENUE**

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-177-SW	COOK	167	152
		CONTRACT NO. 62P98		
ILLINOIS		FED. AID PROJECT		

MODEL: Default  
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1 REVISÉ ENTIRE SHEET 10/24/2024

**REMOVAL AND RELOCATION NOTES:**

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

8 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

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CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.

**iteris®**

USER NAME = bfunck	DESIGNED = KSB	REVISED =
	DRAWN = KSB	REVISED =
PLOT SCALE = 100.0000' / in.	CHECKED = BF	REVISED =
PLOT DATE = 9/27/2024	DATE = 9/27/24	REVISED =

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

# APS INSTALLATION PLAN

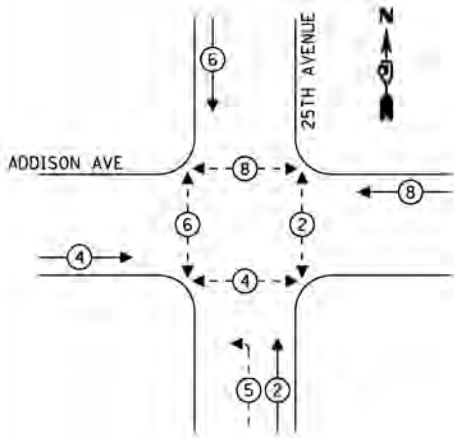
## 25TH AVENUE AND ADDISON AVENUE

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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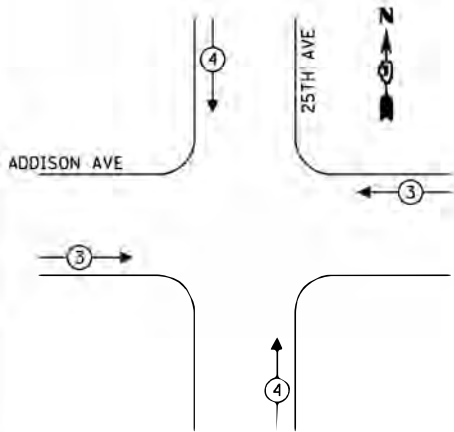
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-177-SW	COOK	167	154
		CONTRACT NO. 62P98		
ILLINOIS		FED. AID PROJECT		

**TS 10960**

EXISTING CONTROLLER SEQUENCE



EMERGENCY VEHICLE  
PREEMPTION SEQUENCE

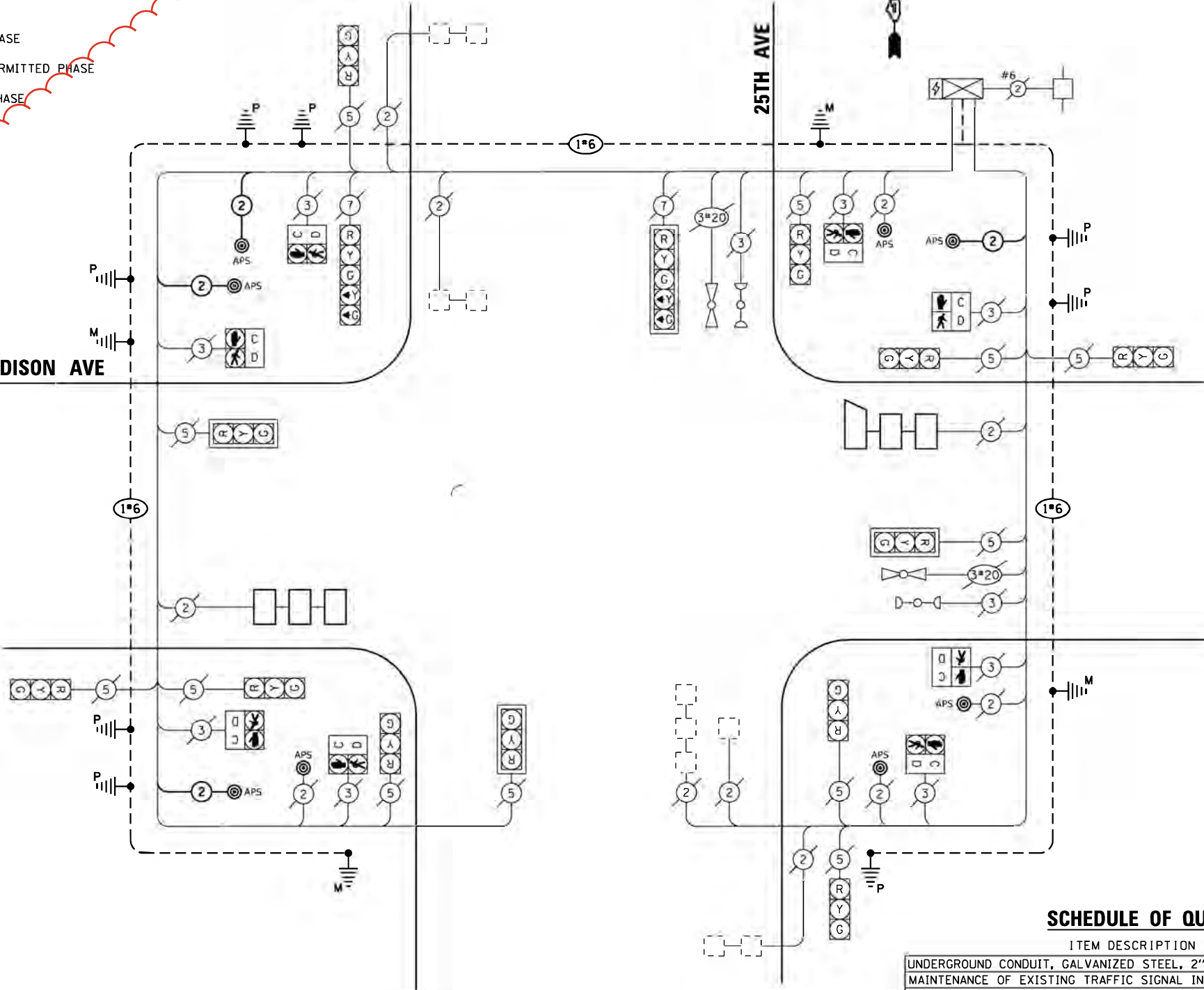


LEGEND:

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

ADDISON AVE

25TH AVE



CABLE PLAN  
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	56
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	514
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	603
DETECTOR LOOP REPLACEMENT	FOOT	237
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ROD AND CLEAN EXISTING CONDUIT	FOOT	150
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16

ENERGY COSTS - BILLED TO:  
VILLAGE OF FRANKLIN PARK  
9500 BELMONT AVE  
FRANKLIN PARK, IL 60131

ENERGY SUPPLY: CONTACT: ERICKA IRBY  
PHONE: 779-231-0633  
COMPANY: COMED  
ACCOUNT NO: 13471-12039

TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT	WATTAGE	TOTAL
SIGNAL HEAD	3-SECTION	12	11	132
	4-SECTION	-	14	-
	5-SECTION	2	13	26
PROGRAMMABLE	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120	
CONTROLLER	1	150	150	
MASTER CONTROLLER	-	100	-	
UPS	1	25	25	
DETECTION RADAR OR VIDEO	-	20	-	
BLANK-OUT SIGN	-	25	-	
NETWORK SWITCH II OR III	-	35	-	
CELLULAR MODEM	-	15	-	
TOTAL UPS SIZING		453		
UPS CHARGING	1	225	225	
BATTERY HEATER MAT	1	180	180	
CABINET HEATER	1	200	200	
FLASHER	-	15	-	
LED STREET NAME SIGN	-	120	-	
LUMINAIRE	-	240	-	
TOTAL SERVICE WIRE SIZING		1058		

iteris

USER NAME = bfrunk  
PLOT SCALE = 100.0000 / in.  
PLOT DATE = 9/27/2024

DESIGNED - EVK  
DRAWN - EVK  
CHECKED - BF  
DATE - 9/27/24  
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
25TH AVENUE AND ADDISON AVENUE

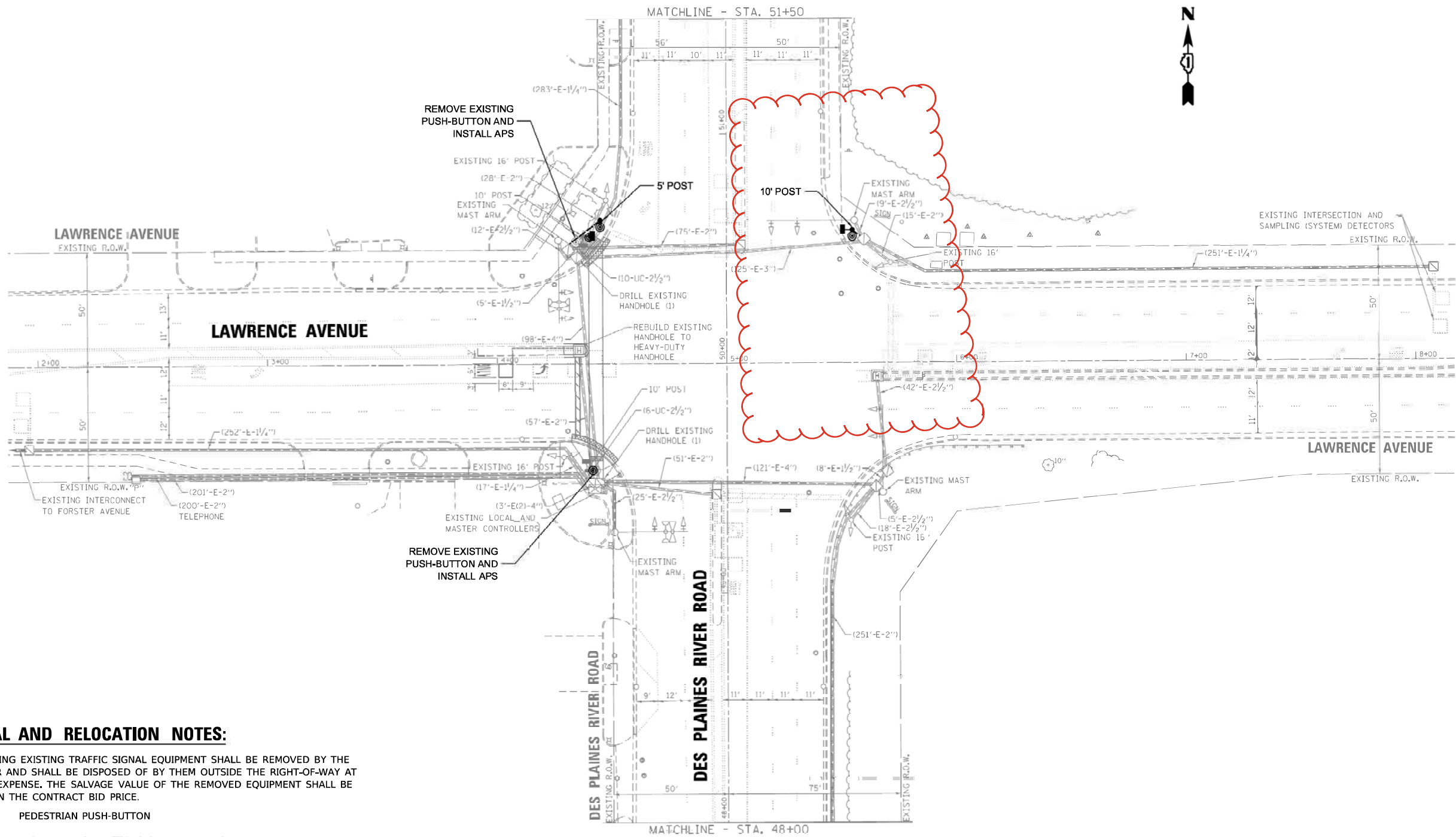
SCALE: SHEET OF SHEETS STA. TO STA.

REVISED ENTIRE SHEET 10/24/2024

TS 10960

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-177-SW	COOK	167	155
CONTRACT NO. 62P98				
ILLINOIS FED. AID PROJECT				





**REMOVAL AND RELOCATION NOTES:**

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

2 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

ALL PROPOSED PUSH-BUTTONS SHALL BE APS.

CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.



USER NAME = bfunck	DESIGNED = KSB	REVISED =
	DRAWN = KSB	REVISED =
PLOT SCALE = 100.0000' / in.	CHECKED = BF	REVISED =
PLOT DATE = 9/27/2024	DATE = 9/27/24	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APS INSTALLATION PLAN  
DES PLAINES RIVER ROAD AND LAWRENCE AVENUE

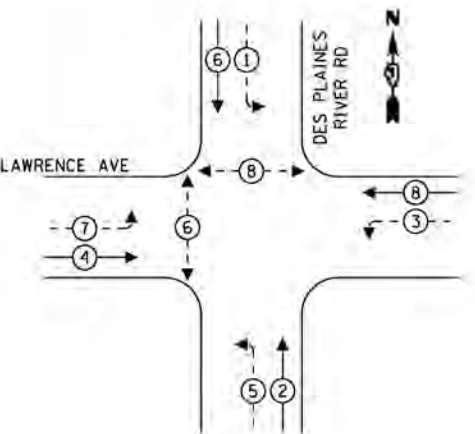
SCALE: SHEET OF SHEETS STA. TO STA.

REVISED SHEET 10/24/2024

TS 4990  
EAGLE 60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-177-SW	COOK	167	156
CONTRACT NO. 62P98				
ILLINOIS FED. AID PROJECT				

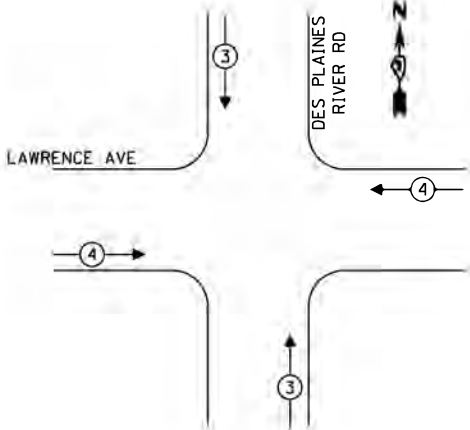
PROPOSED CONTROLLER SEQUENCE



LEGEND:

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

EMERGENCY VEHICLE  
PREEMPTION SEQUENCE



LAWRENCE AVE

DES PLAINES  
RIVER RD

EXISTING INTERSECTION AND  
SAMPLING (SYSTEM) DETECTORS

EX. INTERCONNECT TO  
FORSTER AVE

TRACER  
CABLE

EXISTING INTERSECTION AND  
SAMPLING (SYSTEM) DETECTORS

CABLE PLAN  
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	23
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	422
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	429
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	37
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ROD AND CLEAN EXISTING CONDUIT	FOOT	150
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
TYPE	QUANTITY	UNIT	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	8	11
	4-SECTION	-	14
	5-SECTION	8	13
PROGRAMMABLE	3-SECTION	-	22
	4-SECTION	-	32
	5-SECTION	-	28
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		427	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-

ENERGY COSTS - BILLED TO:  
ILLINOIS DEPT OF TRANSPORTATION  
201 W CENTER COURT

SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT:  
PHONE: 847-816-5248  
COMPANY: COM EDISON

TOTAL SERVICE WIRE SIZING 1032

iteris

USER NAME = bfrunk  
PLOT SCALE = 100.0000 / in  
PLOT DATE = 9/27/2024

DESIGNED - EVK  
DRAWN - EVK  
CHECKED - BF  
DATE - 9/27/24

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
DES PLAINES RIVER ROAD AND LAWRENCE AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-177-SW	COOK	167	157
CONTRACT NO. 62P98				
ILLINOIS FED. AID PROJECT				

REVISED ENTIRE SHEET 10/24/2024

TS 4990  
EAGLE 60



REMOVAL AND RELOCATION NOTES:

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

2 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

ALL PROPOSED PUSH-BUTTONS SHALL BE APS.

CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

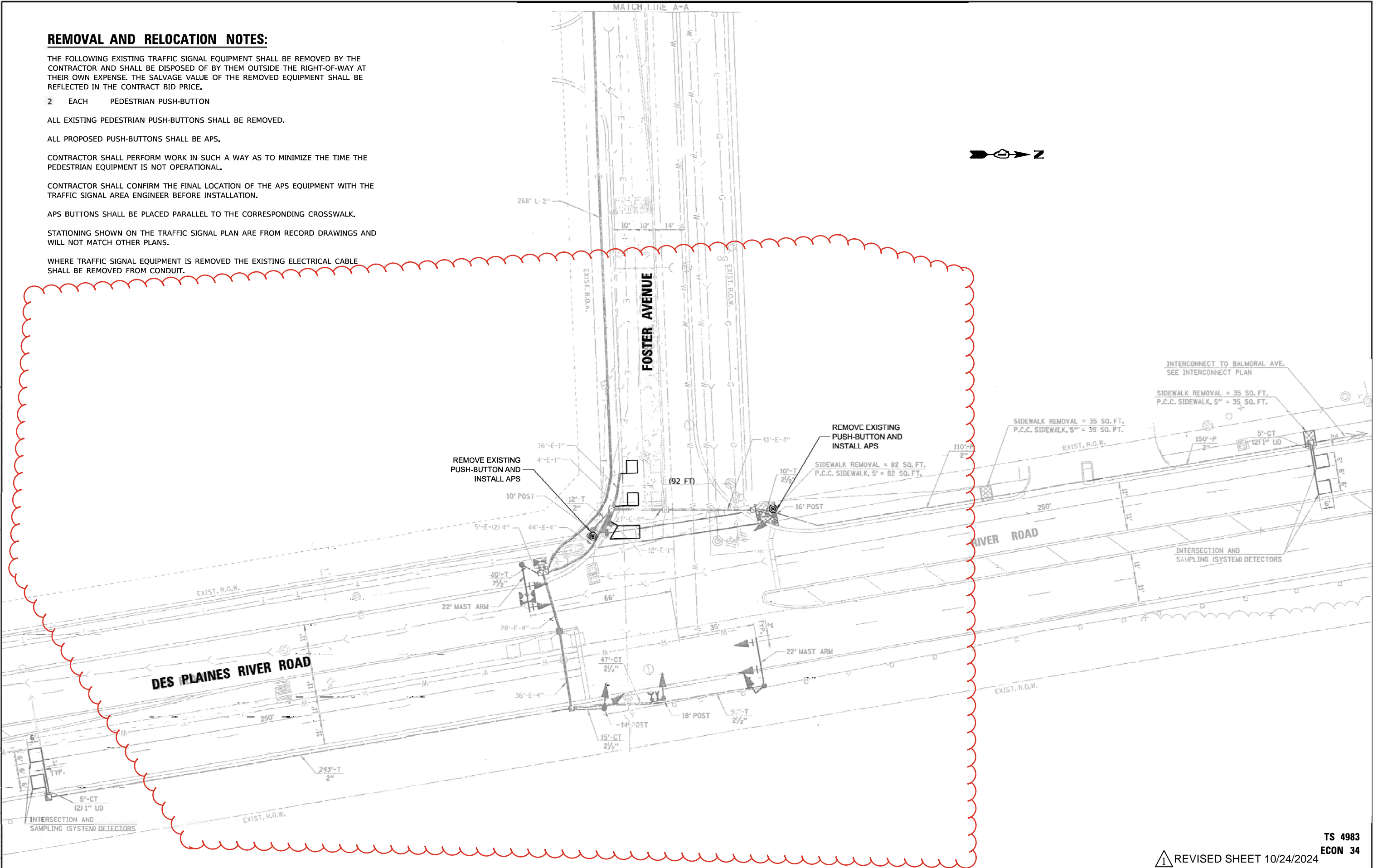
CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONING SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT IS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT.

MODEL: Default  
FILE: M:\GIS\Sharepoint\ITERS INC\Locations - Midwest - Chicago Construction\DOT 078 204 010 D1 APS PROJECT MAN\CMV\112098 - WO 8 - Layden Townships\CAD\Sheet Files\163P98-APS-TS.MXD.dgn



USER NAME	= bfunck
DESIGNED	= KSB
DRAWN	= KSB
CHECKED	= BF
DATE	= 9/25/24

REVISION	=
REVISION	=
REVISION	=
REVISION	=

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APS INSTALLATION PLAN  
DES PLAINES RIVER ROAD AND FOSTER AVENUE

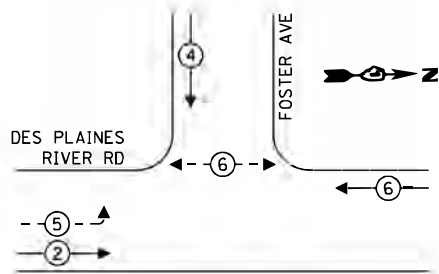
SCALE: SHEET OF SHEETS STA. TO STA.

REVISION SHEET 10/24/2024

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-177-SW	COOK	167	158
CONTRACT NO. 62P98				
ILLINOIS FED. AID PROJECT				

TS 4983  
ECON 34

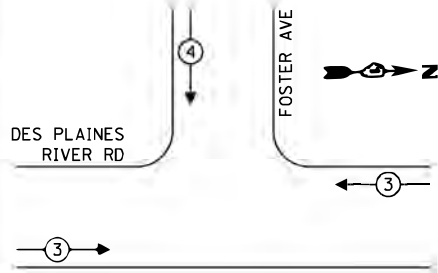
EXISTING CONTROLLER SEQUENCE



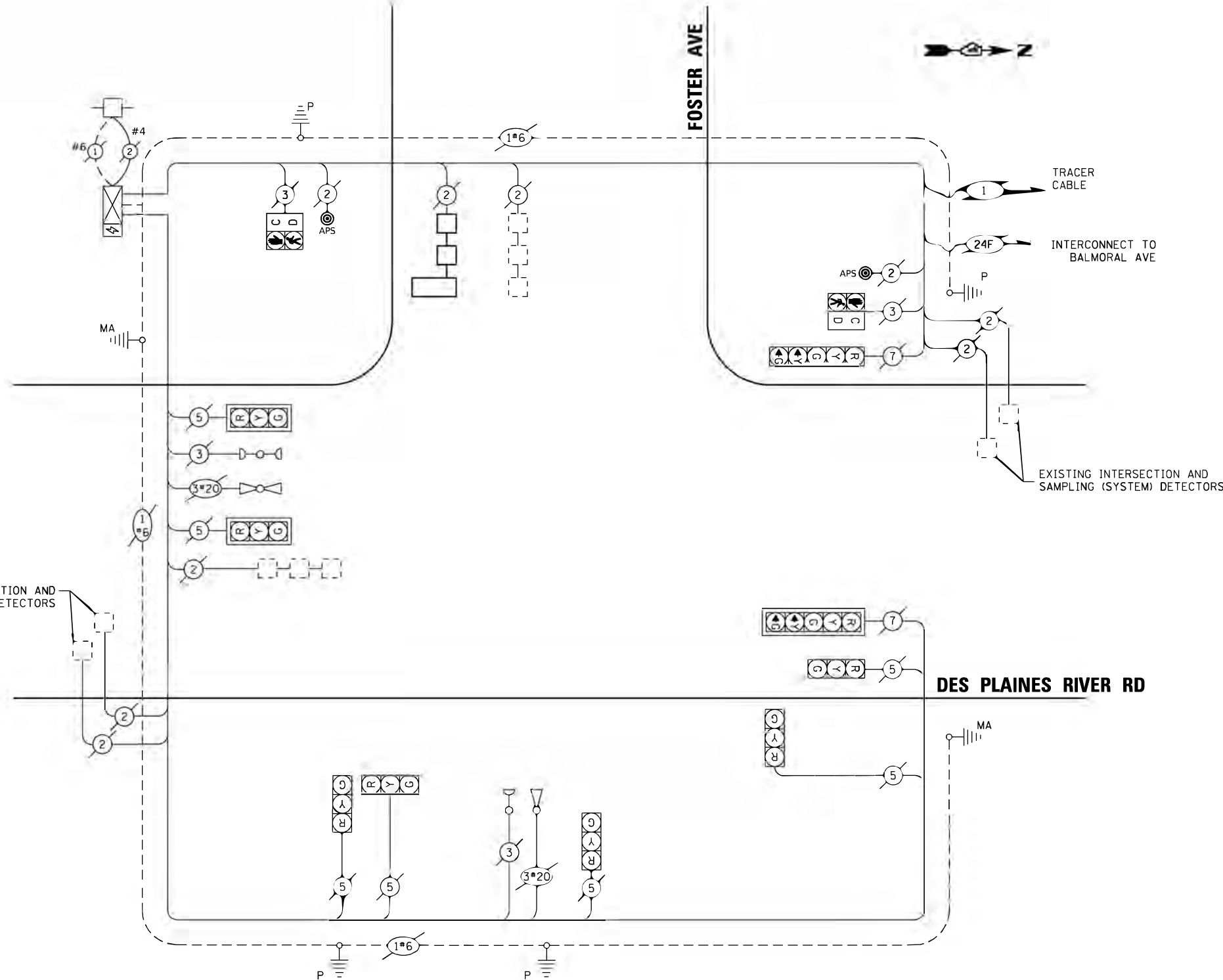
LEGEND:

- ←(\*) PROTECTED PHASE
- ←(\*)- PROTECTED/PERMITTED PHASE
- ←(\*)→ PEDESTRIAN PHASE
- ←(OL) OVERLAP

EMERGENCY VEHICLE  
PREEMPTION SEQUENCE



EXISTING INTERSECTION AND  
SAMPLING (SYSTEM) DETECTORS



CABLE PLAN

(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP REPLACEMENT	FOOT	92
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	7	11
	4-SECTION	-	14
	5-SECTION	2	13
PROGRAMMABLE	3-SECTION	-	22
	4-SECTION	-	32
	5-SECTION	-	28
PEDESTRIAN SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		308	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		913	

ENERGY COSTS - BILLED TO:  
VILLAGE OF ROSEMONT  
9501 W DEVON AVENUE  
ROSEMONT, IL 60017

ENERGY SUPPLY: CONTACT: ERICKA IRBY  
PHONE: 779-231-0633  
COMPANY: COMED  
ACCOUNT NO: 26430-11087

iteris

USER NAME: bfunck  
PLOT SCALE: 100.0000 / in.  
PLOT DATE: 9/25/2024

DESIGNED: EVK  
DRAWN: EVK  
CHECKED: BF  
DATE: 9/25/24

REVISED: -  
REVISED: -  
REVISED: -  
REVISED: -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
DES PLAINES RIVER ROAD AND FOSTER AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

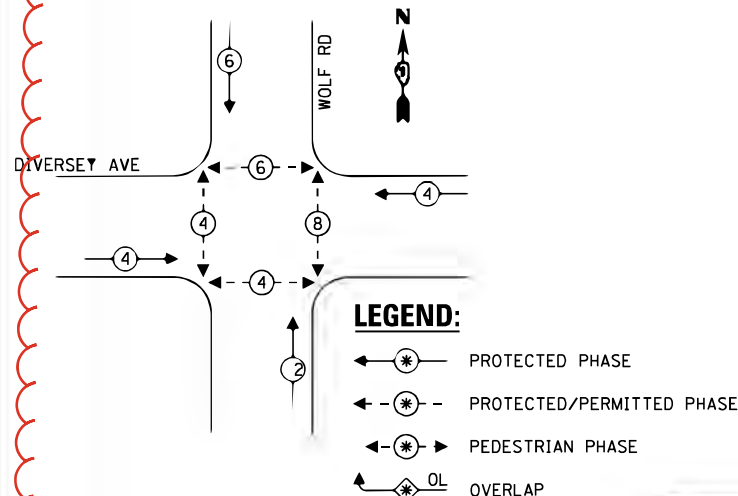
1 REVISED SHEET 10/24/2024 ECON 34

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-177-SW	COOK	167	159
CONTRACT NO. 62P98				
ILLINOIS FED. AID PROJECT				

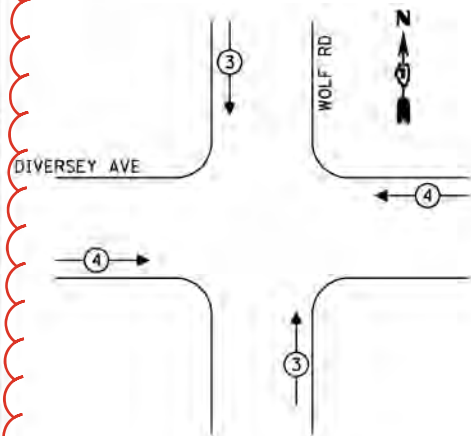




PROPOSED CONTROLLER SEQUENCE



EMERGENCY VEHICLE  
PREEMPTION SEQUENCE

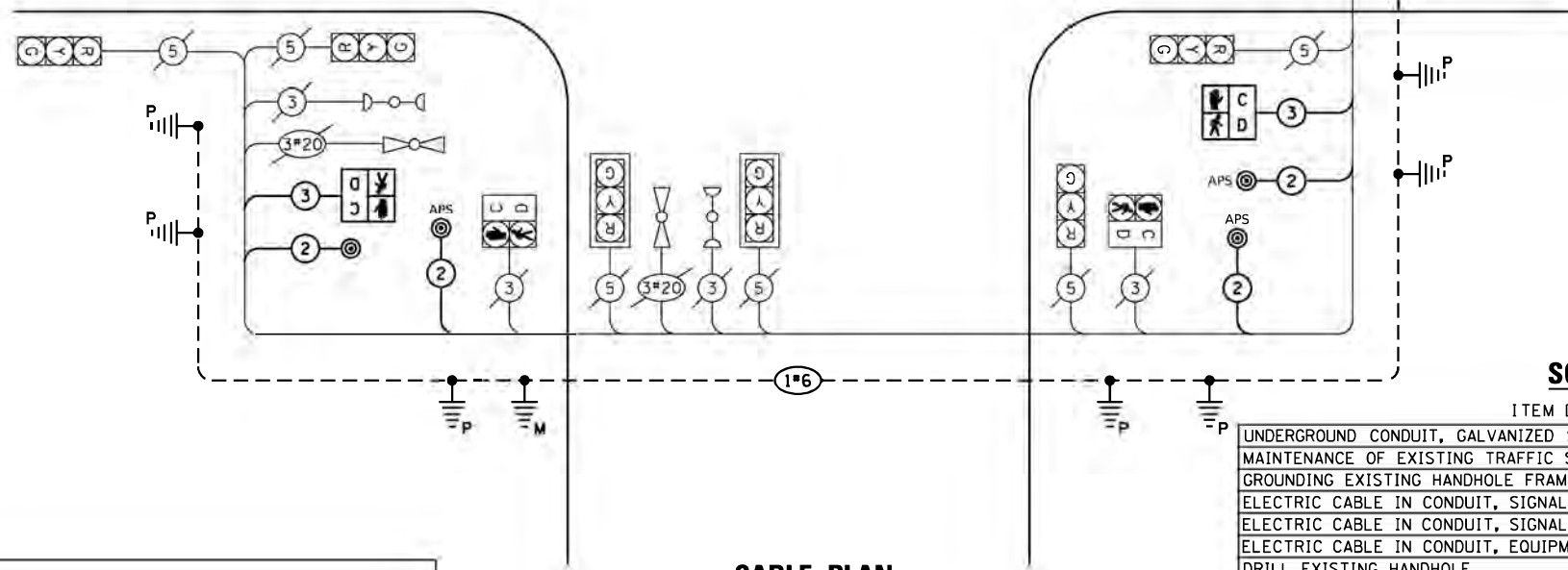


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	12	11	132
	4-SECTION	-	14	-
	5-SECTION	-	13	-
PROGRAMMABLE	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL		8	15	120
CONTROLLER		1	150	150
MASTER CONTROLLER		-	100	-
UPS		1	25	25
DETECTION RADAR OR VIDEO		-	20	-
BLANK-OUT SIGN		-	25	-
NETWORK SWITCH II OR III		-	35	-
CELLULAR MODEM		-	15	-
TOTAL UPS SIZING		427		
UPS CHARGING		1	225	225
BATTERY HEATER MAT		1	180	180
CABINET HEATER		1	200	200
FLASHER		-	15	-
LED STREET NAME SIGN		-	120	-
LUMINAIRE		-	240	-

ENERGY COSTS - BILLED TO:  
LEYDEN TOWNSHIP  
2501 N MANNHEIM ROAD  
FRANKLIN PARK, IL 60131

ENERGY SUPPLY: CONTACT: ERICKA IRBY  
PHONE: 779-231-0633  
COMPANY: COMED  
ACCOUNT NO: 23610-70039

CABLE PLAN  
(NOT TO SCALE)



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	56
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1000
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	729
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	573
DRILL EXISTING HANDHOLE	EACH	7
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
DETECTOR LOOP REPLACEMENT	FOOT	108
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ROD AND CLEAN EXISTING CONDUIT	FOOT	150
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	28

TS 22290

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN  
WOLF ROAD AND DIVERSEY AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-177-SW	COOK	167	161
CONTRACT NO. 62P98				
ILLINOIS FED. AID PROJECT				