

NOTES:

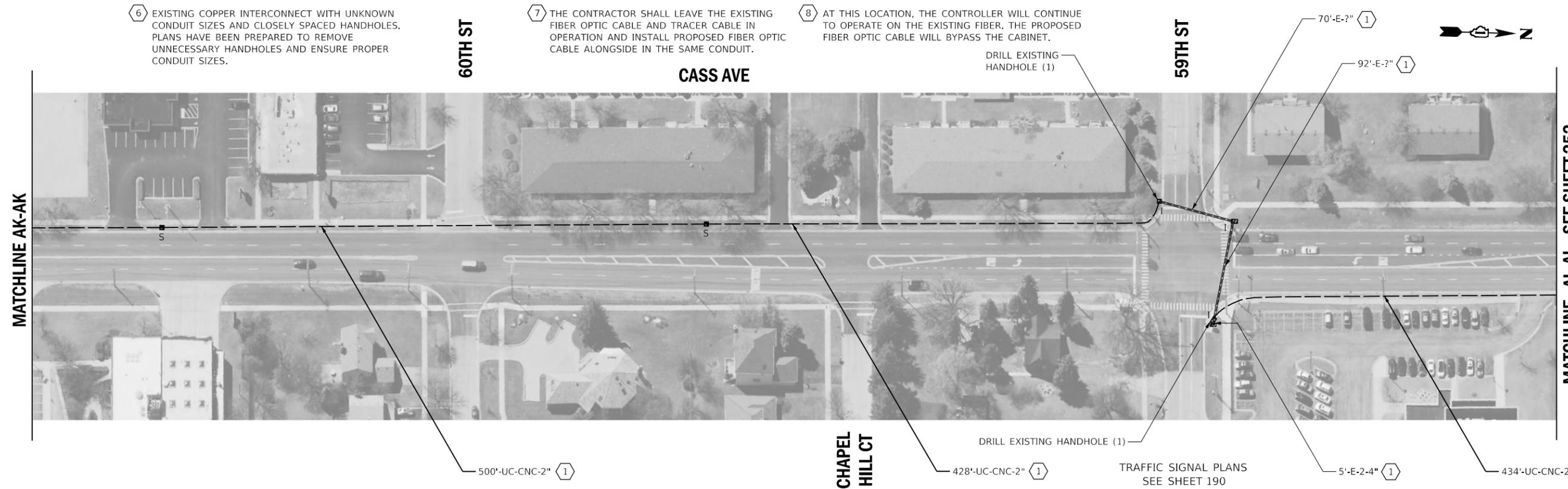
- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

BENINFORD LN

- ⑥ EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.

- ⑦ THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.

- ⑧ AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
AREA 3 - CASS AVE**

SCALE: 1"=50' SHEET 17 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	251
			CONTRACT NO. 61H22	
ILLINOIS FED. AID PROJECT				

MATCHLINE AL-AL SEE SHEET 251

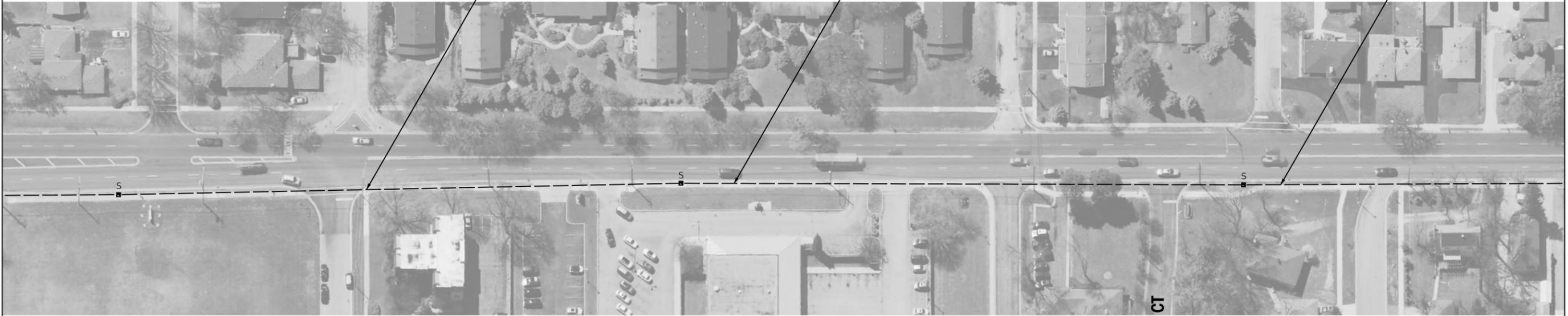
JAMES DR

58TH ST

CASS AVE

57TH ST

56TH PL



NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.

WEXFORD CT

56TH PL

MATCHLINE-AM

56TH ST

- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

55TH PL

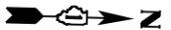
- ⑥ EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.

CASS AVE

55TH ST

- ⑦ THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.

- ⑧ AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.



MATCHLINE-AM



56TH ST

① 520'-UC-CNC-2"

DRILL EXISTING HANDHOLE (1)

① 89'-E-4"

EX. INTERCONNECT TO CLARENDON HILLS RD

TRAFFIC SIGNAL PLANS SEE SHEET 75

83'-E-4"

6'-E-4-4" (1)



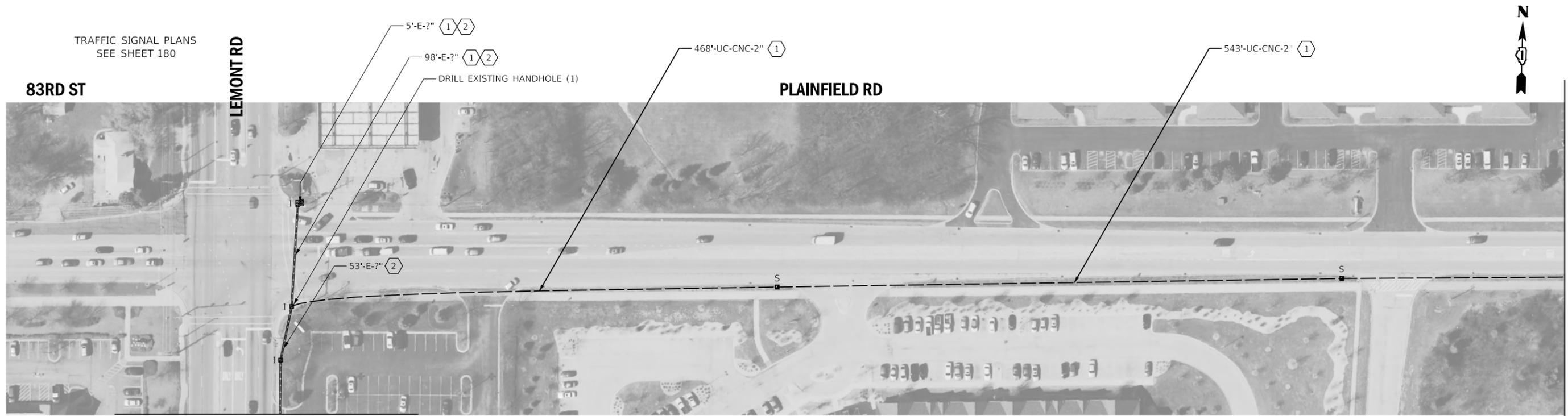
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 3 - CASS AVE

SCALE: 1"=50' SHEET 18 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	252
			CONTRACT NO. 61H22	



NOTES:

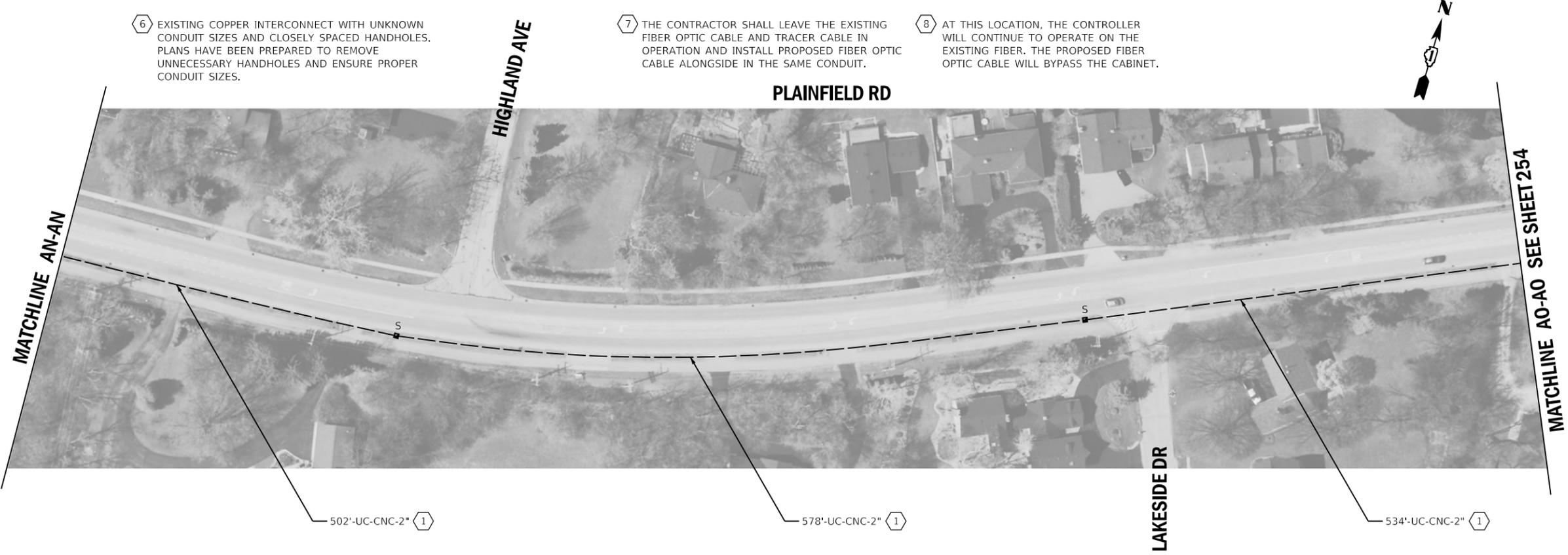
MATCHLINE V-V SEE SHEET 244

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

- ⑥ EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.

- ⑦ THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.

- ⑧ AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

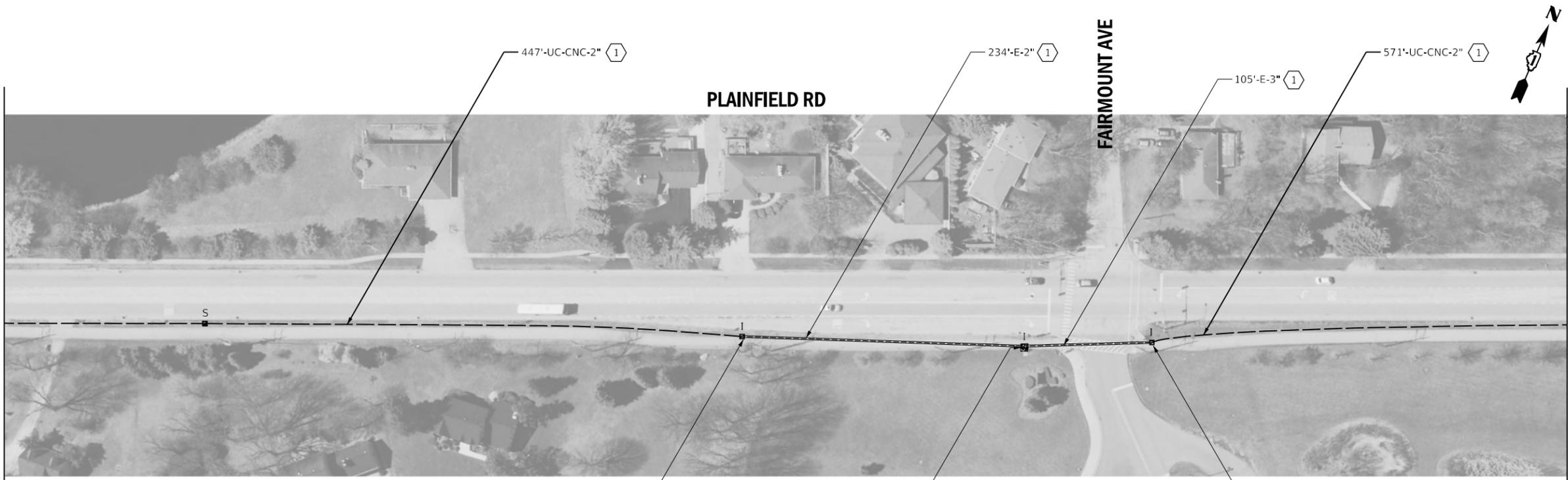
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
AREA 3 - PLAINFIELD RD**

SCALE: 1"=50' SHEET 19 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	253
CONTRACT NO. 61H22			ILLINOIS FED. AID PROJECT	

MATCHLINE AO-AO SEE SHEET 253



MATCHLINE AP-AP

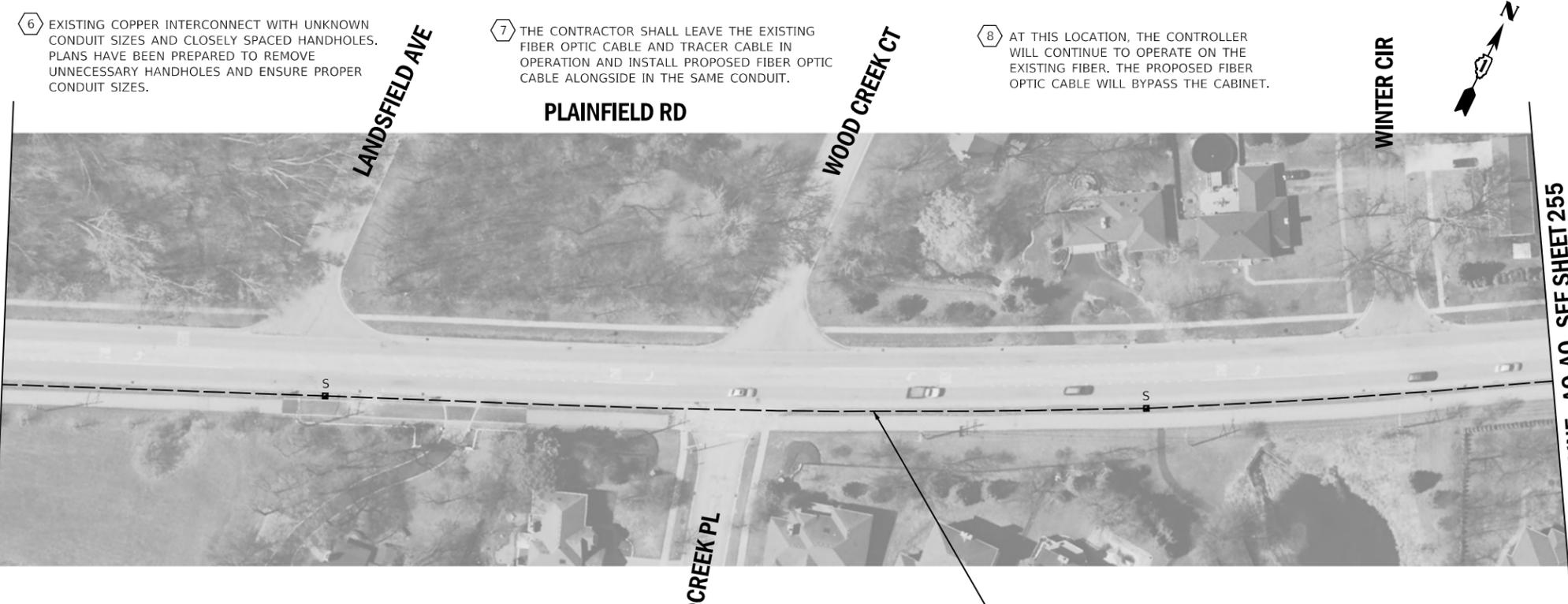


NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

TRAFFIC SIGNAL PLANS
SEE SHEET 19

MATCHLINE AP-AP



MATCHLINE AQ-AQ SEE SHEET 255



- 6 EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- 7 THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- 8 AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.



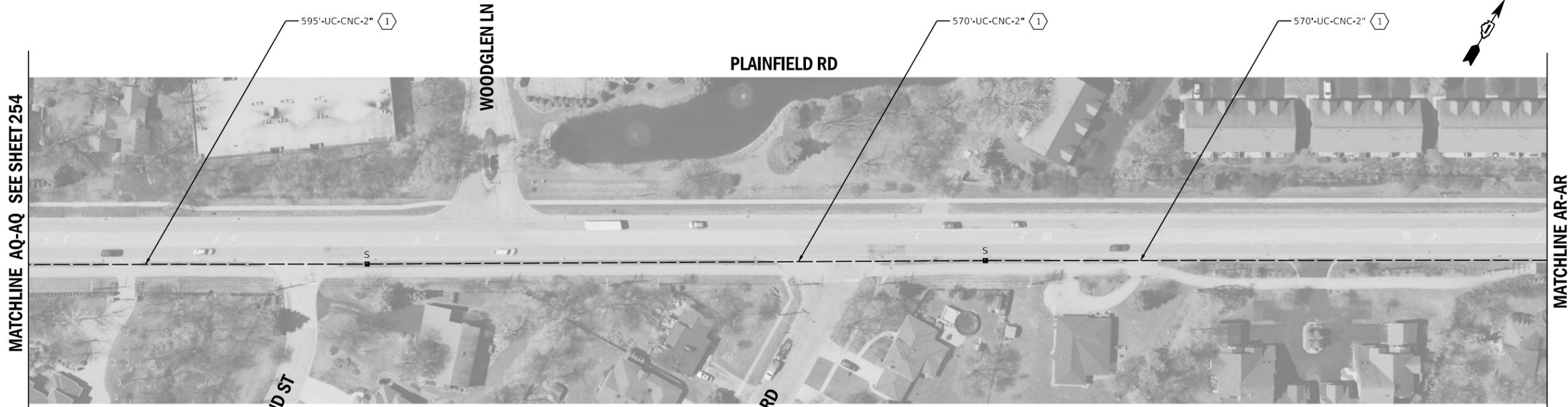
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 3 - PLAINFIELD RD

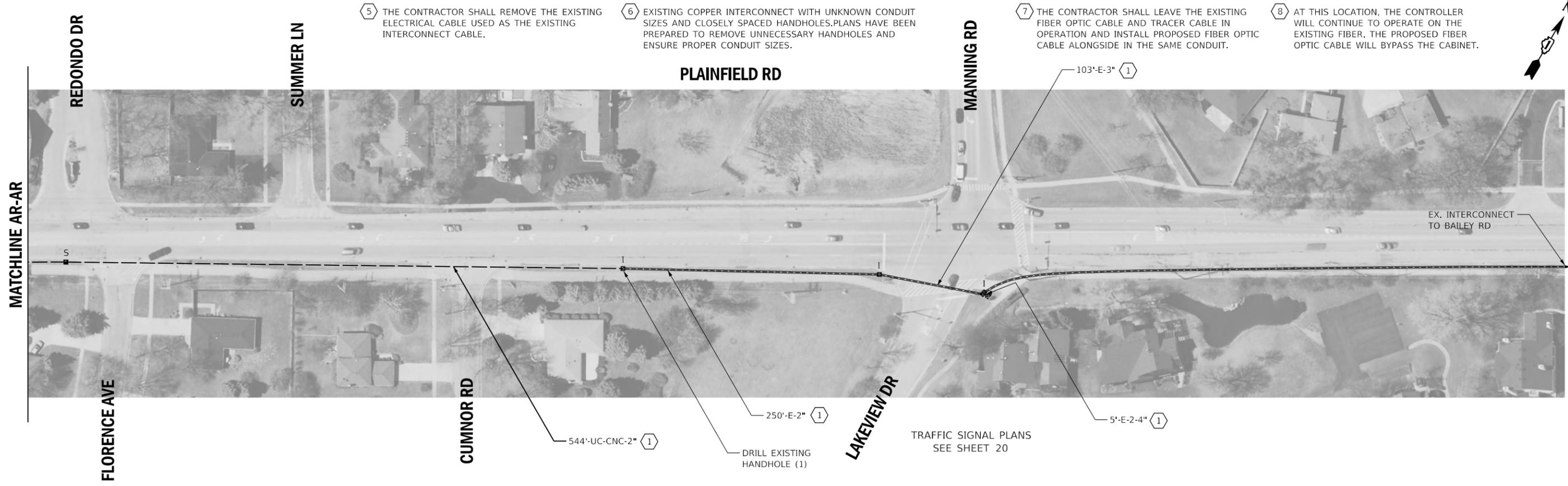
SCALE: 1"=50' SHEET 20 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	254
			CONTRACT NO. 61H22	
ILLINOIS FED. AID PROJECT				



NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.



- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.
- ⑥ EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- ⑦ THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- ⑧ AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.



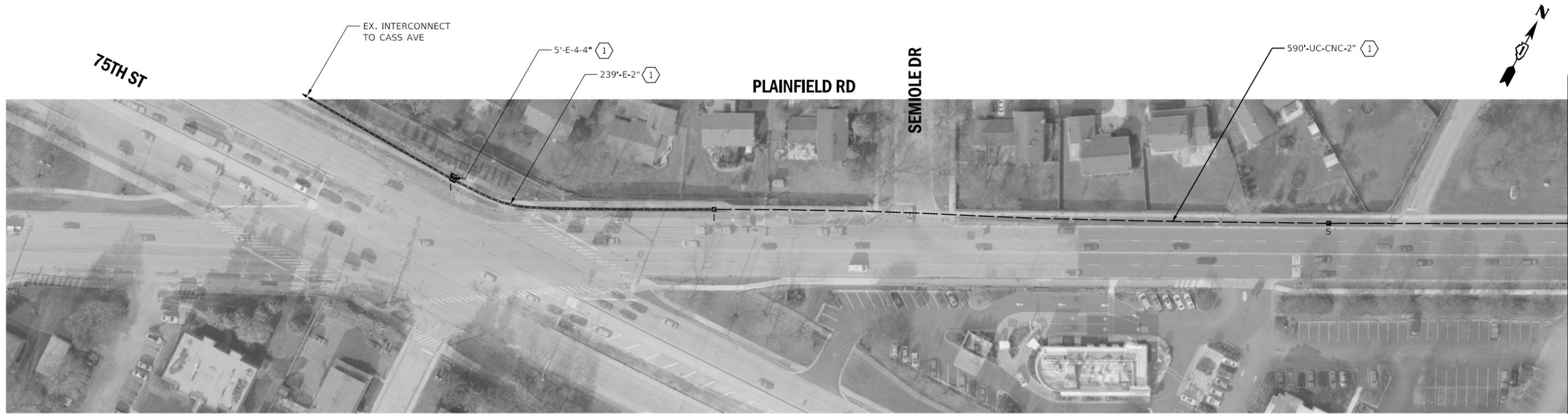
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 3 - PLAINFIELD RD

SCALE: 1"=50' SHEET 21 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	255
CONTRACT NO. 61H22				
ILLINOIS FED. AID PROJECT				

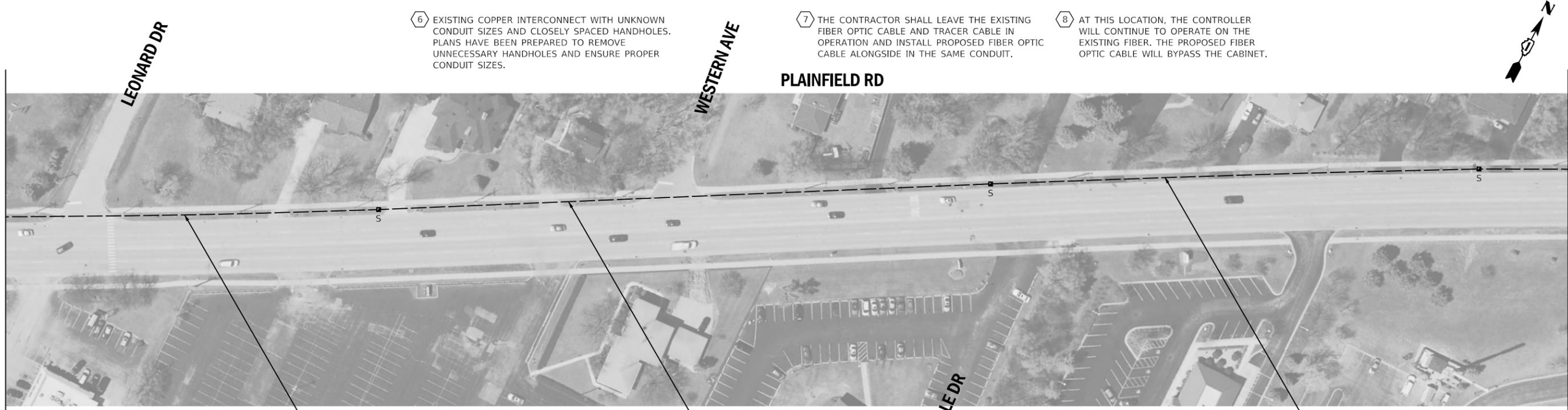


MATCHLINE AS-AS

NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

TRAFFIC SIGNAL PLANS
SEE SHEET 21



MATCHLINE AS-AS

MATCHLINE AT-AT SEE SHEET 257

- 6 EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- 7 THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- 8 AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.



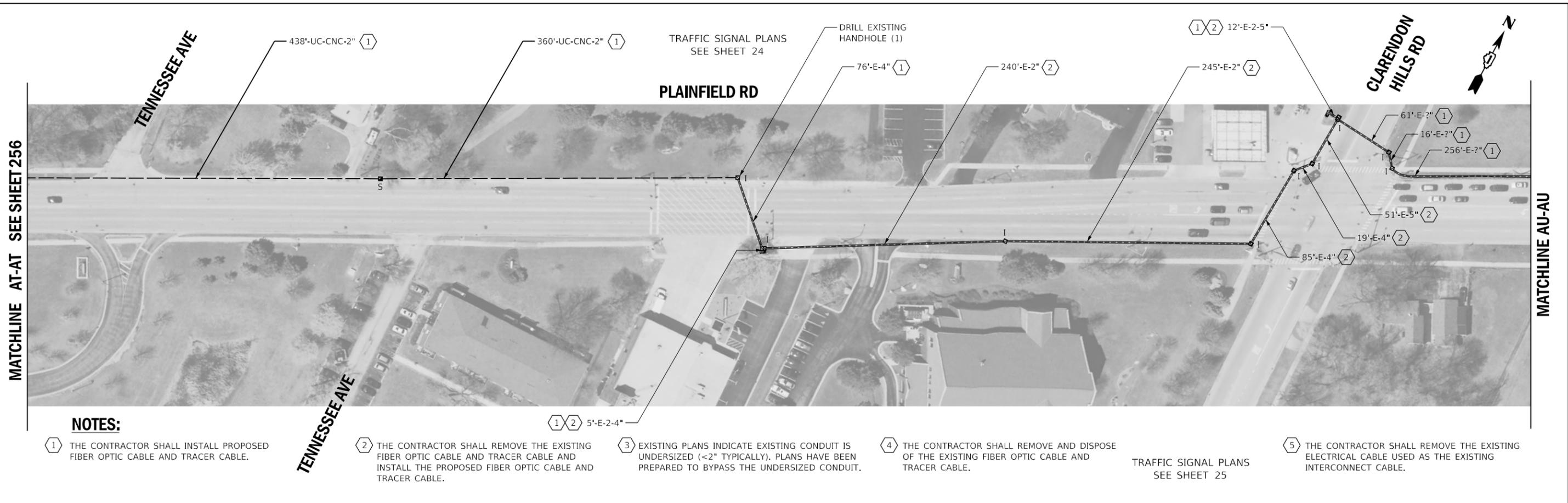
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
AREA 3 - PLAINFIELD RD**

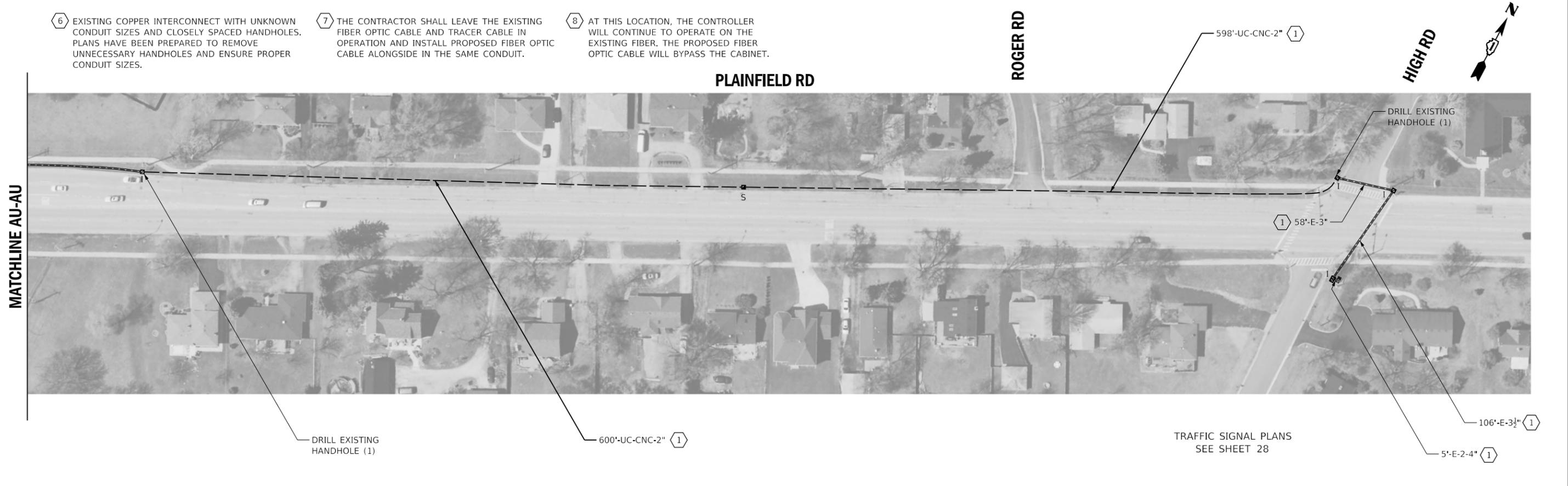
SCALE: 1"=50' SHEET 22 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	256
CONTRACT NO.			61H22	
ILLINOIS FED. AID PROJECT				



NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.



- 6 EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- 7 THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- 8 AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

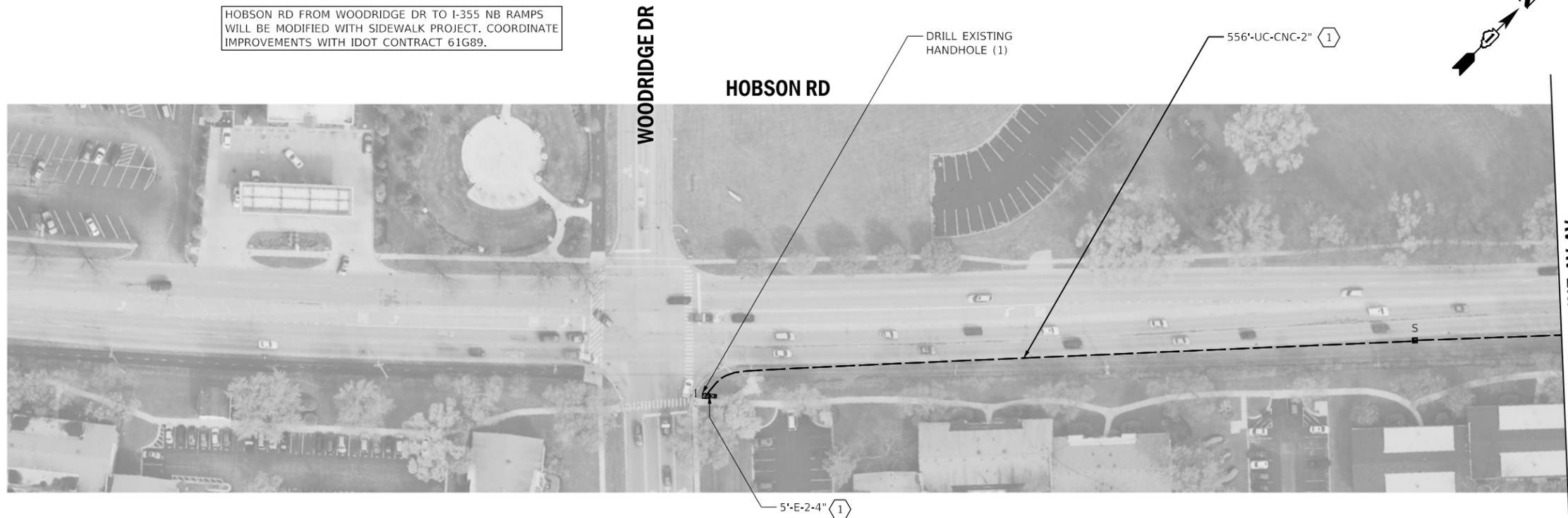
PROPOSED INTERCONNECT PLAN
AREA 3 - PLAINFIELD RD

SCALE: 1"=50' SHEET 23 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	257
CONTRACT NO. 61H22				
ILLINOIS FED. AID PROJECT				

FILE NAME = X:\Projects\GFL\2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\sh1-ht-loc3_Plainfield2.dgn Default

HOBSON RD FROM WOODRIDGE DR TO I-355 NB RAMP
WILL BE MODIFIED WITH SIDEWALK PROJECT. COORDINATE
IMPROVEMENTS WITH IDOT CONTRACT 61G89.



NOTES:

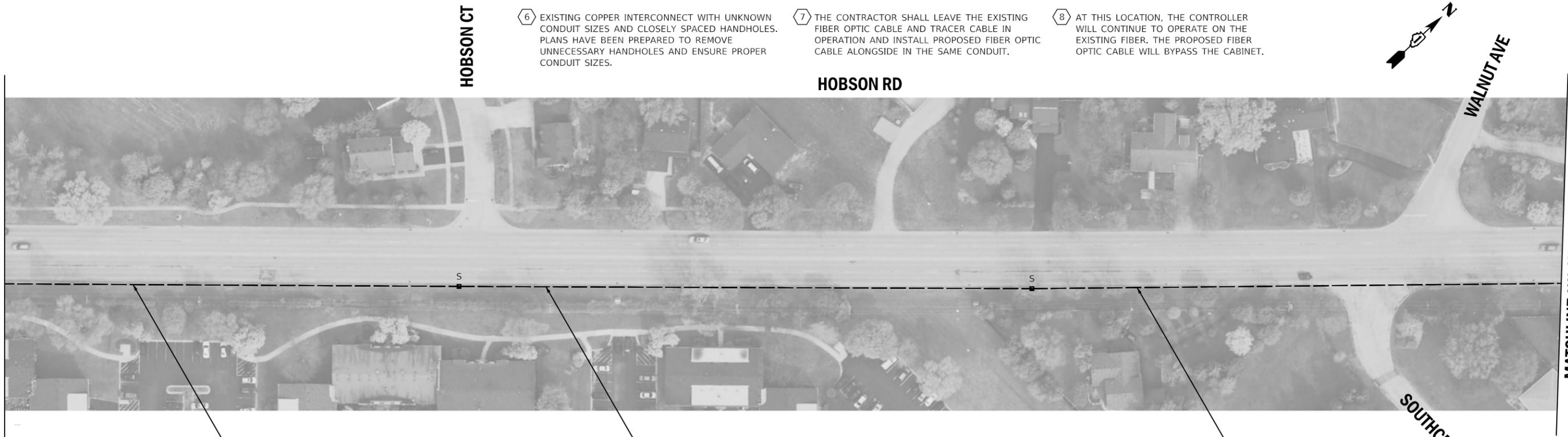
- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

TRAFFIC SIGNAL PLANS
SEE SHEET 29

HOBSON CT

- ⑥ EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- ⑦ THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- ⑧ AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.

HOBSON RD



HOBSON RD FROM WOODRIDGE DR TO I-355 NB RAMP
WILL BE MODIFIED WITH SIDEWALK PROJECT. COORDINATE
IMPROVEMENTS WITH IDOT CONTRACT 61G89.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 3 - HOBSON RD/63RD ST

SCALE: 1"=50' SHEET 24 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	258
CONTRACT NO. 61H22				

HOBSON RD FROM WOODRIDGE DR TO I-355 NB RAMPS WILL BE MODIFIED WITH SIDEWALK PROJECT. COORDINATE IMPROVEMENTS WITH IDOT CONTRACT 61G89.

MATCHLINE AW-AW SEE SHEET 258



NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

DRILL EXISTING HANDHOLE (1)

PRENTICE DR

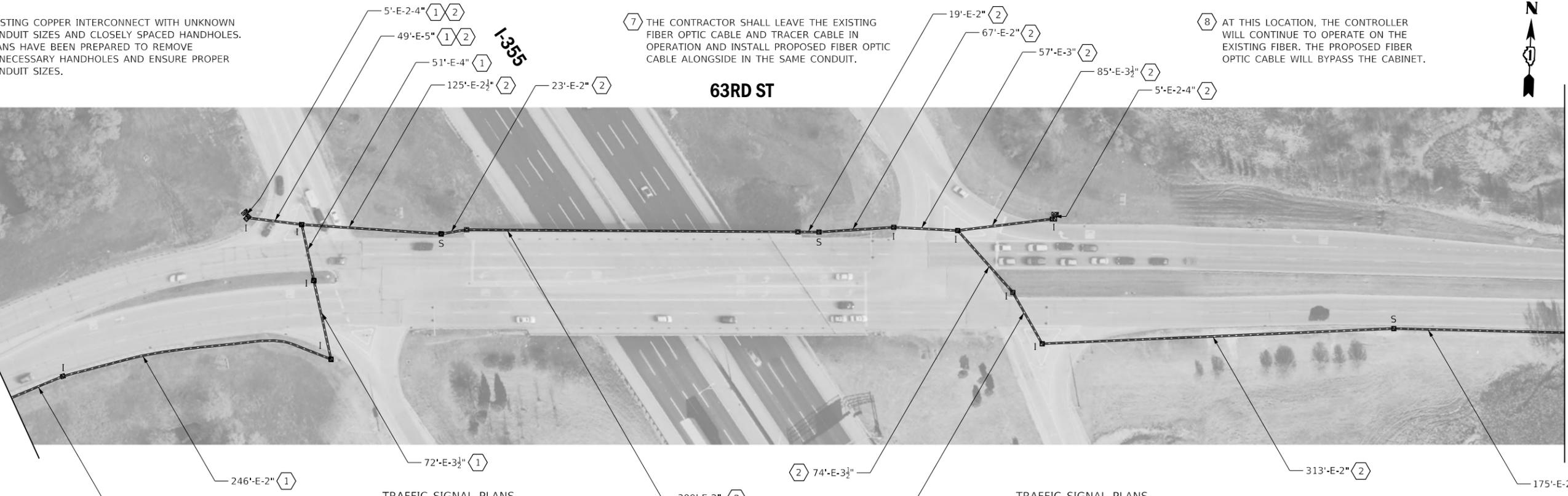
MATCHLINE AX-AX

6 EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.

7 THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.

8 AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.

MATCHLINE AX-AX



TRAFFIC SIGNAL PLANS SEE SHEET 31

TRAFFIC SIGNAL PLANS SEE SHEET 32

HOBSON RD FROM WOODRIDGE DR TO I-355 NB RAMPS WILL BE MODIFIED WITH SIDEWALK PROJECT. COORDINATE IMPROVEMENTS WITH IDOT CONTRACT 61G89.

MATCHLINE AY-AY SEE SHEET 260



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

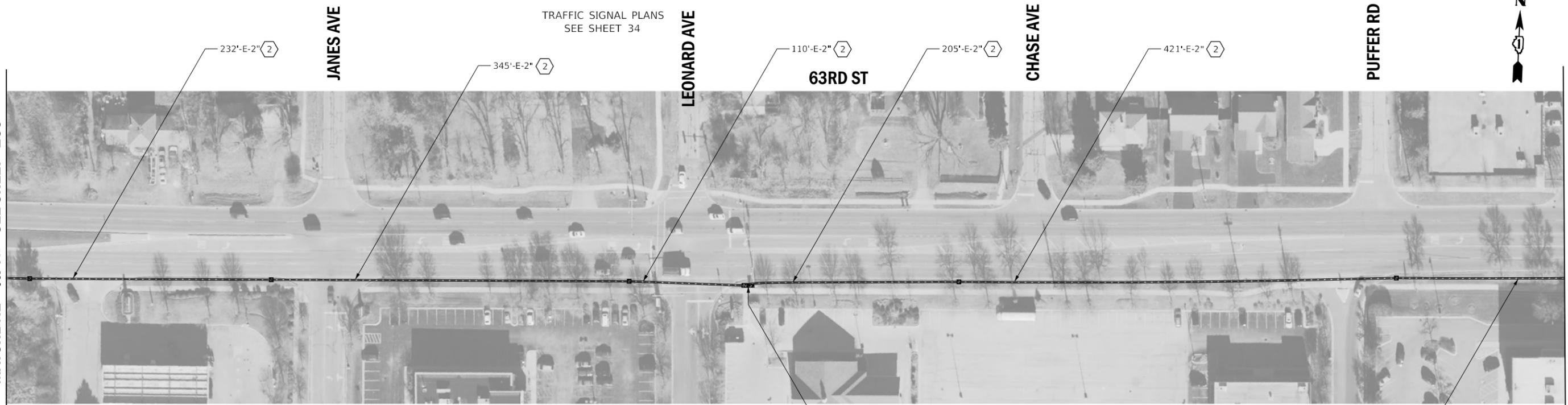
PROPOSED INTERCONNECT PLAN
AREA 3 - HOBSON RD/63RD ST

SCALE: 1"=50' SHEET 25 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	259
			CONTRACT NO. 61H22	
ILLINOIS FED. AID PROJECT				

MATCHLINE AY-AY SEE SHEET 259

MATCHLINE B-B SEE SHEET 235

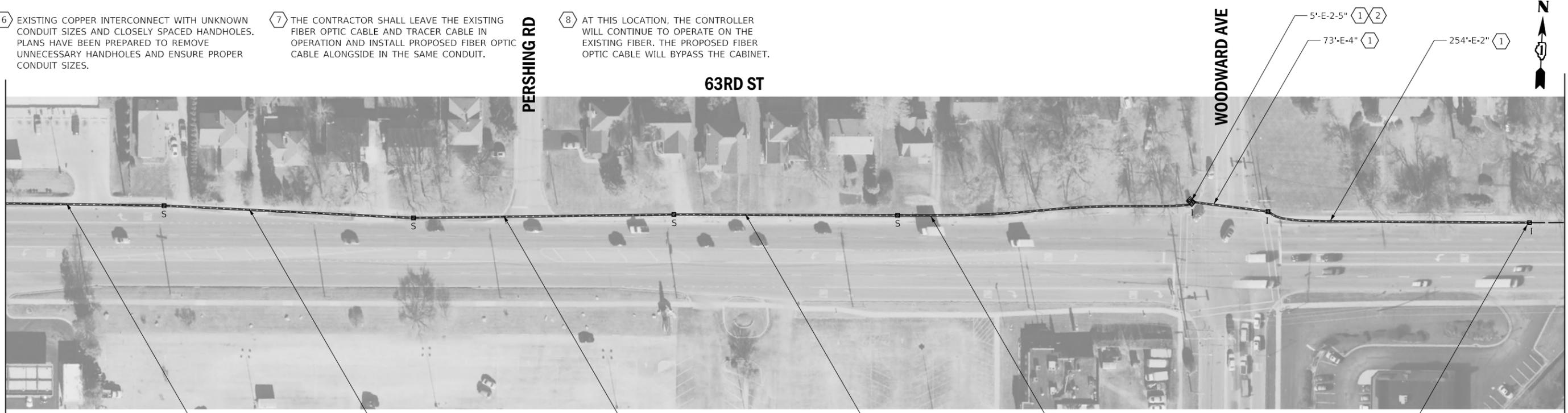


NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

MATCHLINE C-C SEE SHEET 235

MATCHLINE AZ-AZ SEE SHEET 261



TRAFFIC SIGNAL PLANS SEE SHEET 37

DRILL EXISTING HANDHOLE (1)



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 3 - HOBSON RD/63RD ST

SCALE: 1"=50' SHEET 26 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	260
CONTRACT NO.			61H22	
ILLINOIS FED. AID PROJECT				

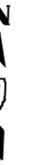
MATCHLINE AZ-AZ SEE SHEET 260

SHERMAN AVE

63RD ST

STONEWALL AVE

MATCHLINE BA-BA



NOTES:

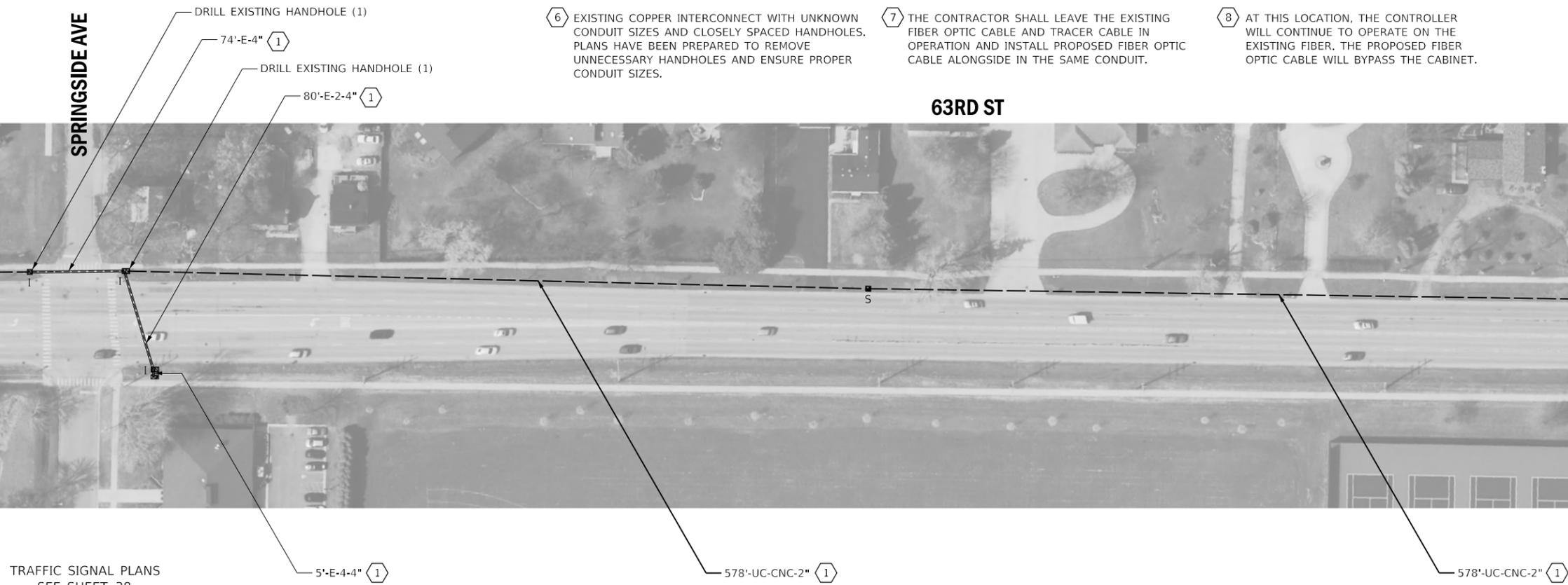
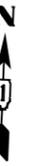
- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

SPRINGSIDE AVE

63RD ST

MATCHLINE BA-BA

MATCHLINE BB-BB SEE SHEET 262



TRAFFIC SIGNAL PLANS
SEE SHEET 38

- ⑥ EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- ⑦ THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- ⑧ AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

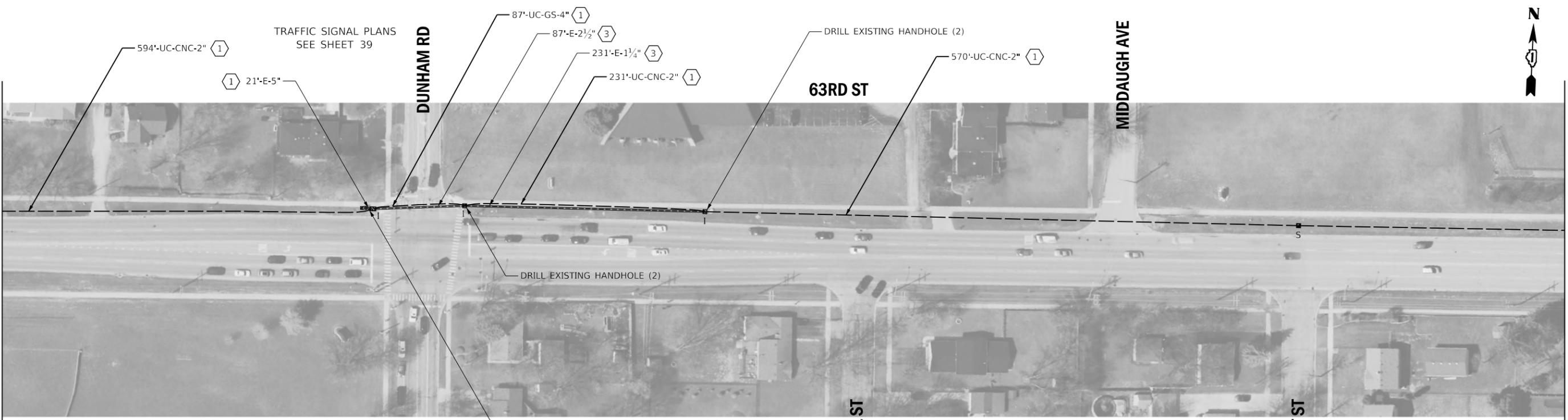
PROPOSED INTERCONNECT PLAN
AREA 3 - HOBSON RD/63RD ST

SCALE: 1"=50' SHEET 27 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	261
CONTRACT NO. 61H22				
ILLINOIS FED. AID PROJECT				

MATCHLINE BB-BB SEE SHEET 261

MATCHLINE BC-BC



NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

MATCHLINE BC-BC

MATCHLINE AC-AC SEE SHEET 247



- 6 EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- 7 THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- 8 AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 3 - HOBSON RD/63RD ST

SCALE: 1"=50' SHEET 28 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	262
CONTRACT NO. 61H22				

MATCHLINE AD-AD SEE SHEET 247



MATCHLINE BD-BD

NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

MATCHLINE BD-BD

PARK AVE

FAIRMOUNT AVE

BLODGETT AVE



MATCHLINE BE-BE SEE SHEET 264



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

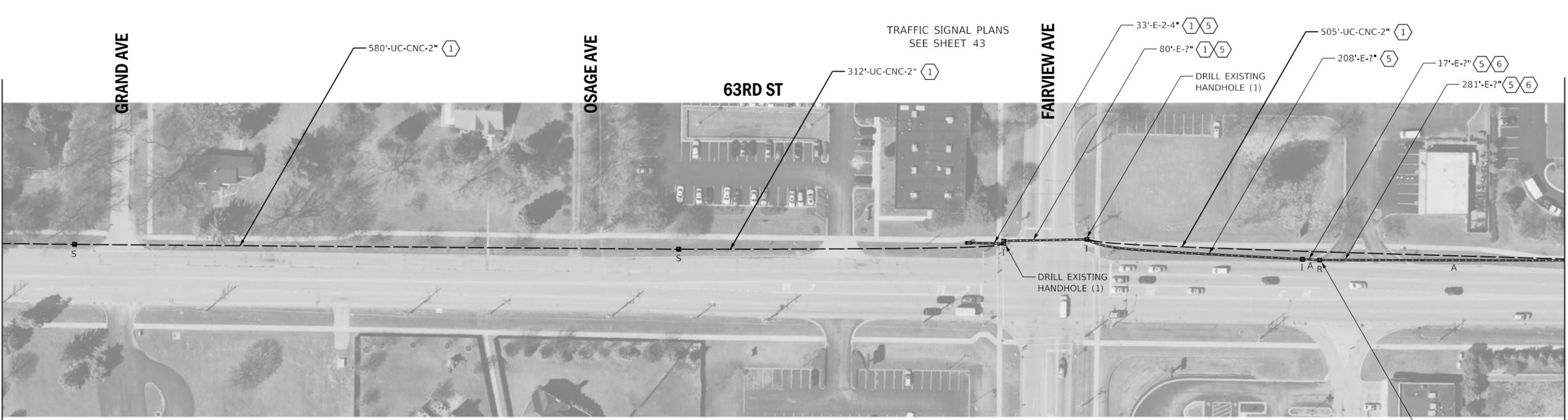
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 3 - HOBSON RD/63RD ST

SCALE: 1"=50' SHEET 29 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	263
			CONTRACT NO. 61H22	
		ILLINOIS	FED. AID PROJECT	

MATCHLINE BE-BE SEE SHEET 263

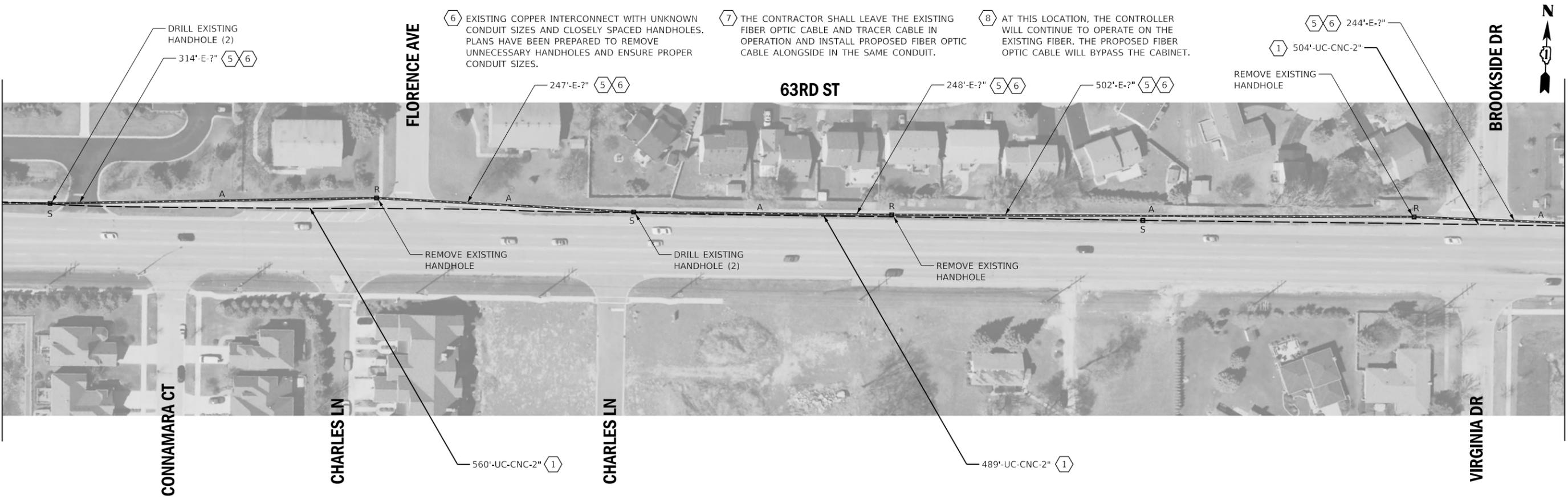


MATCHLINE BF-BF

NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.
- REMOVE EXISTING HANDHOLE

MATCHLINE BF-BF



MATCHLINE BG-BG SEE SHEET 265



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 3 - HOBSON RD/63RD ST

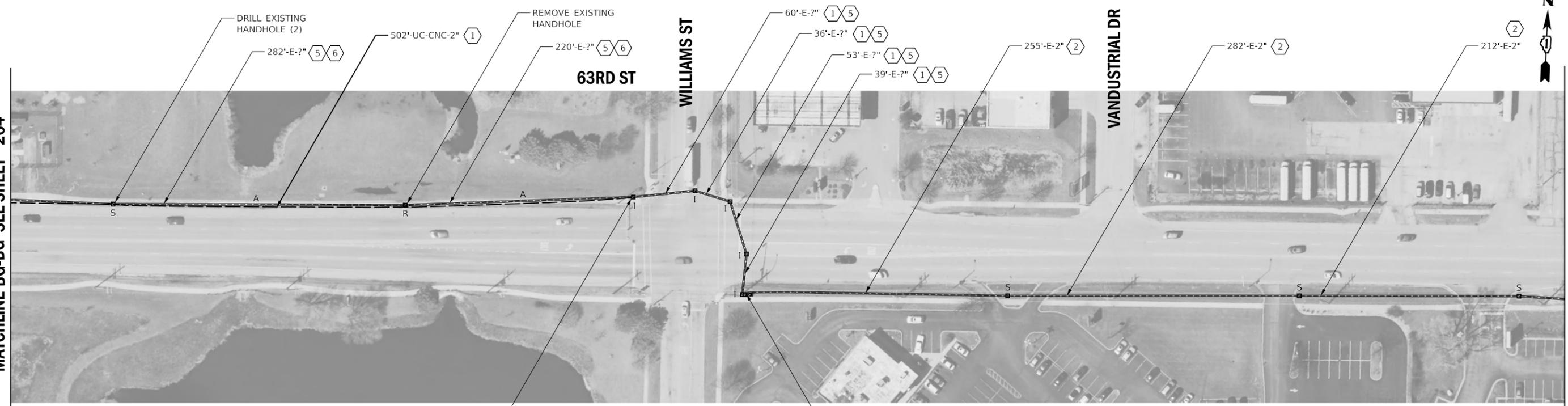
SCALE: 1"=50' SHEET 30 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	264
			CONTRACT NO. 61H22	
ILLINOIS FED. AID PROJECT				

FILE NAME = X:\Projects\GFLI2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\sh-ht-loc3_Hobson-63rd.dgn Default

MATCHLINE BG-BG SEE SHEET 264

MATCHLINE BH-BH



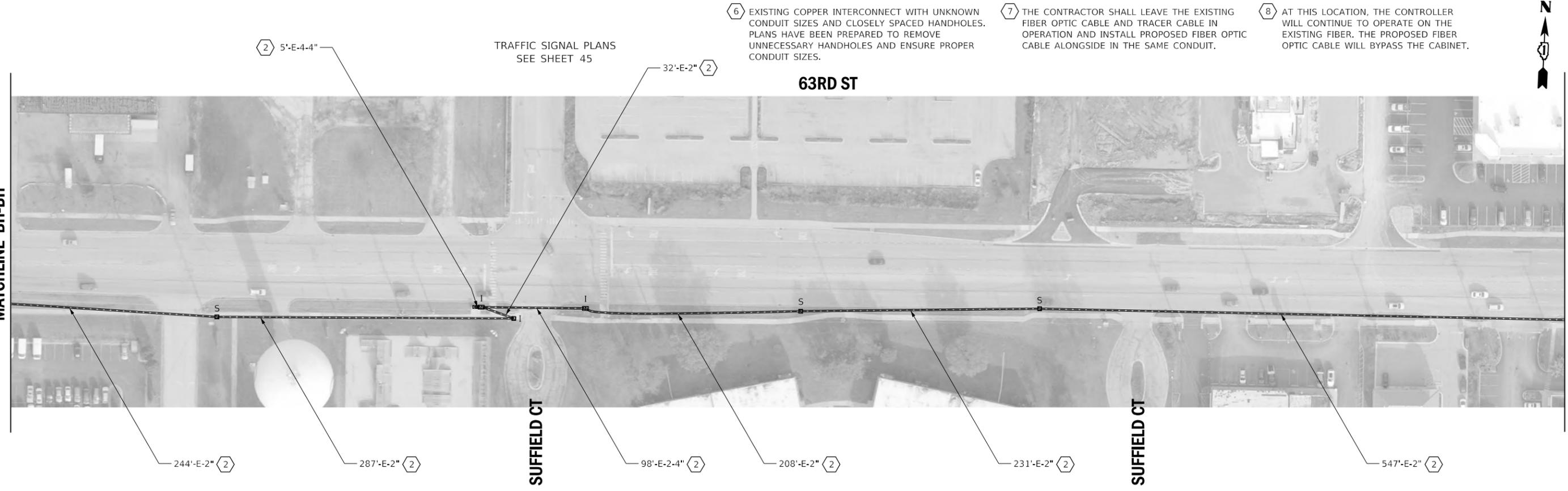
NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

TRAFFIC SIGNAL PLANS SEE SHEET 44

MATCHLINE BH-BH

MATCHLINE BI-BI SEE SHEET 266



- 6 EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- 7 THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- 8 AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.

TRAFFIC SIGNAL PLANS SEE SHEET 45



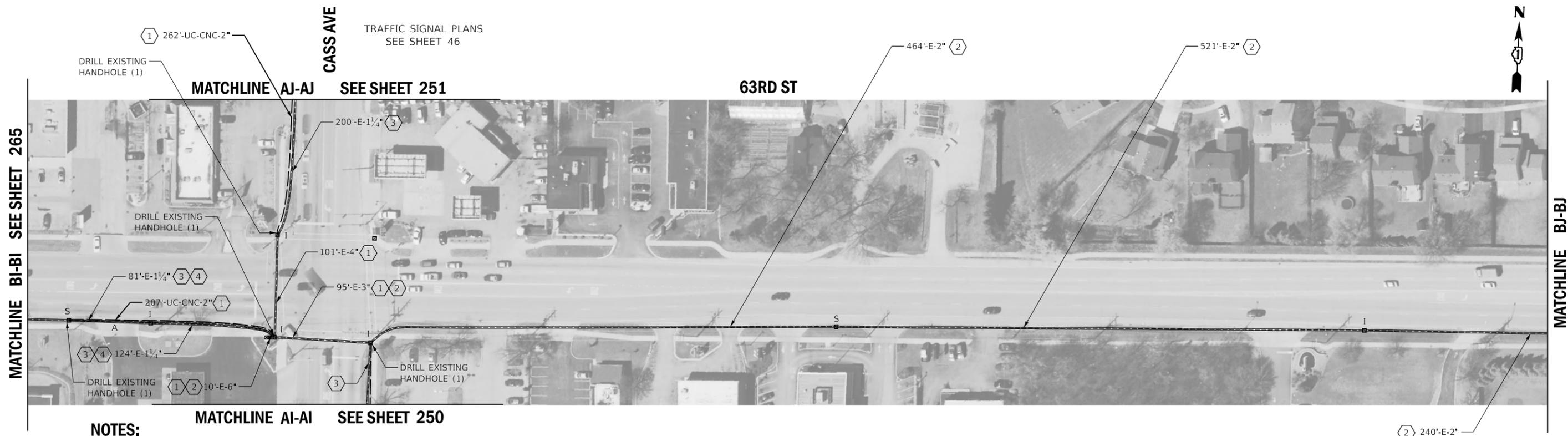
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 3 - HOBSON RD/63RD ST

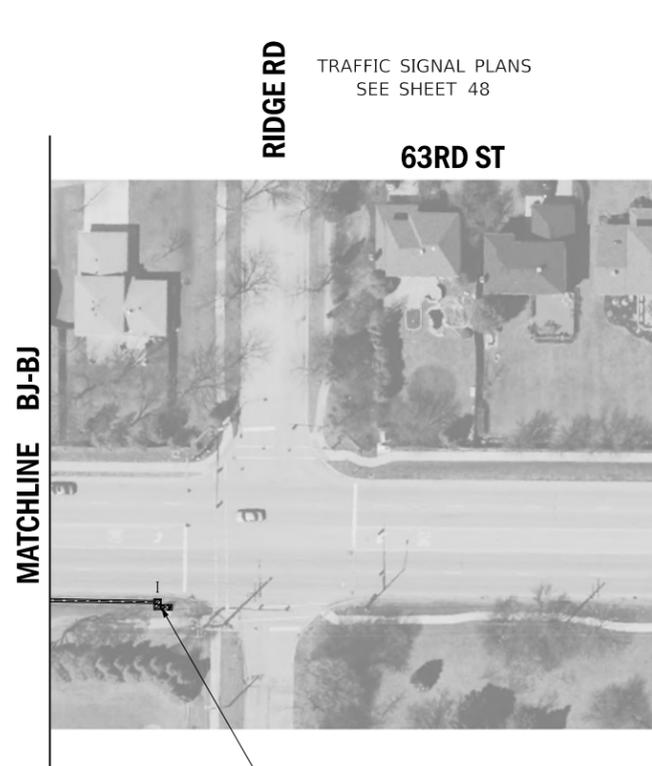
SCALE: 1"=50' SHEET 31 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	265
CONTRACT NO.			61H22	



NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.



- 6 EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- 7 THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- 8 AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.



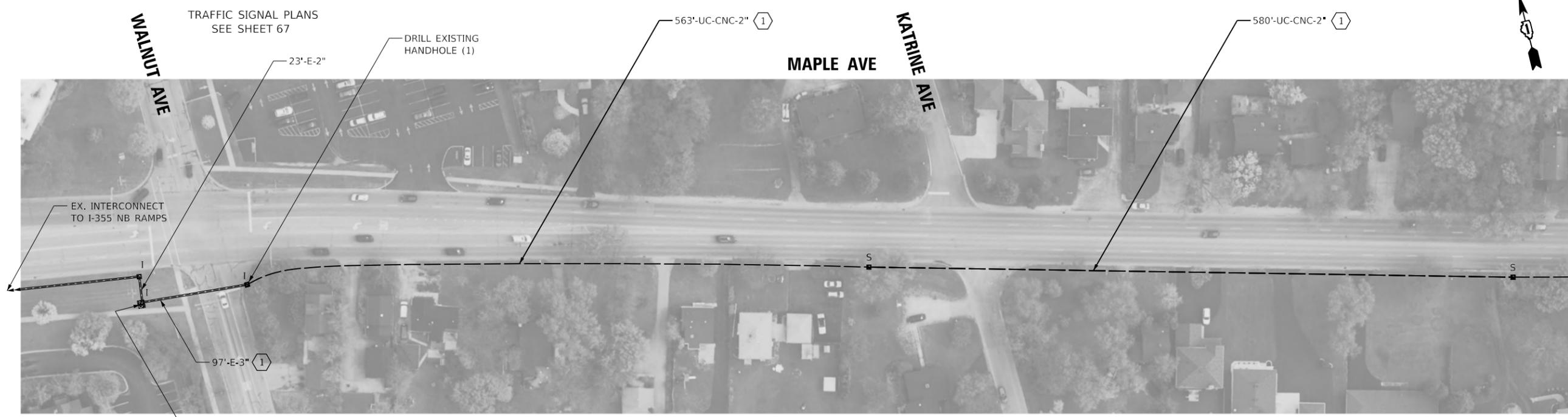
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
AREA 3 - HOBSON RD/63RD ST**

SCALE: 1"=50' SHEET 32 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	266
			CONTRACT NO. 61H22	
		ILLINOIS FED. AID PROJECT		



NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.



- 6 EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- 7 THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- 8 AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 3 - CHICAGO AVE/MAPLE AVE

SCALE: 1"=50' SHEET 33 OF 42 SHEETS STA. TO STA.

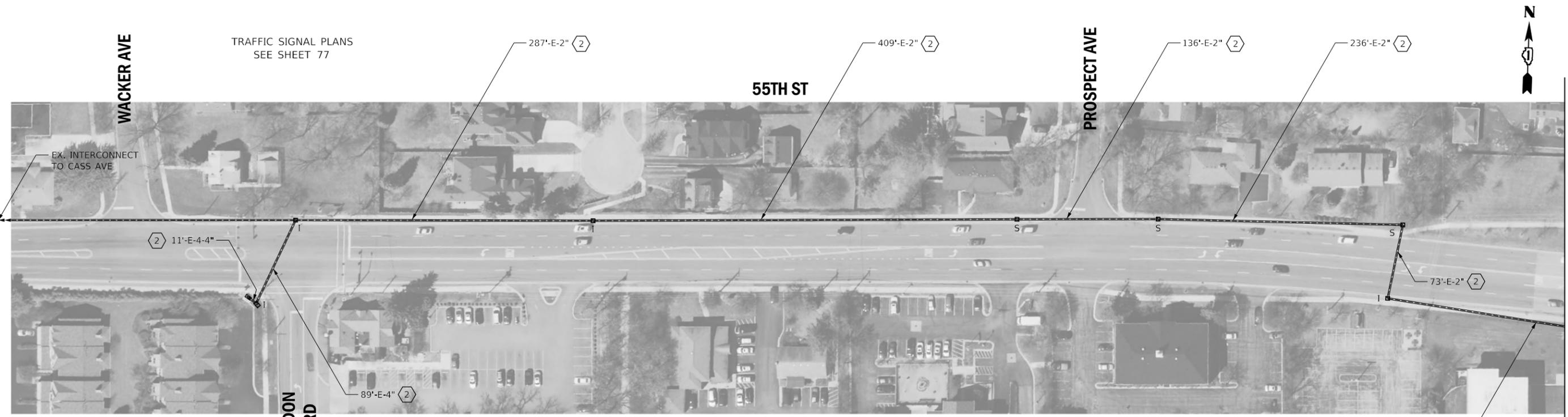
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	267
			CONTRACT NO. 61H22	
		ILLINOIS	FED. AID PROJECT	



NOTES:

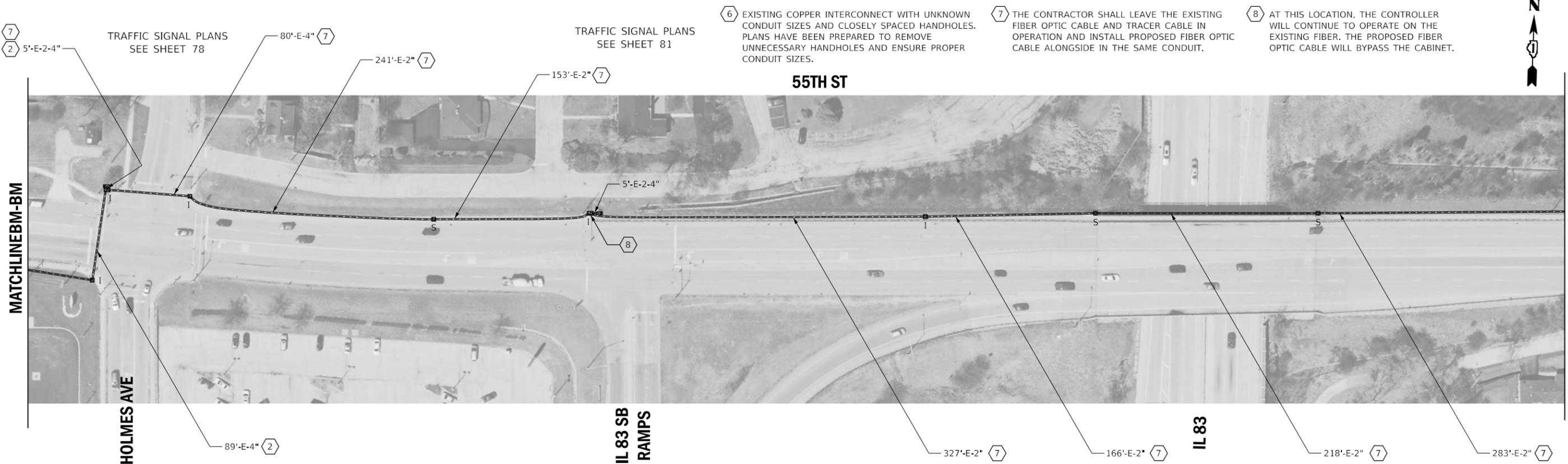
- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.
- ⑥ EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- ⑦ THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- ⑧ AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.

	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN AREA 3 - CHICAGO AVE/MAPLE AVE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -				VAR.	19-DCCSS-03-TL	DUPAGE	307	268
PLOT DATE = 7/25/2021	DATE -	REVISED -	SCALE: 1"=50'		SHEET 34	OF 42 SHEETS	STA.	TO STA.	CONTRACT NO. 61H22		
							ILLINOIS		FED. AID PROJECT		



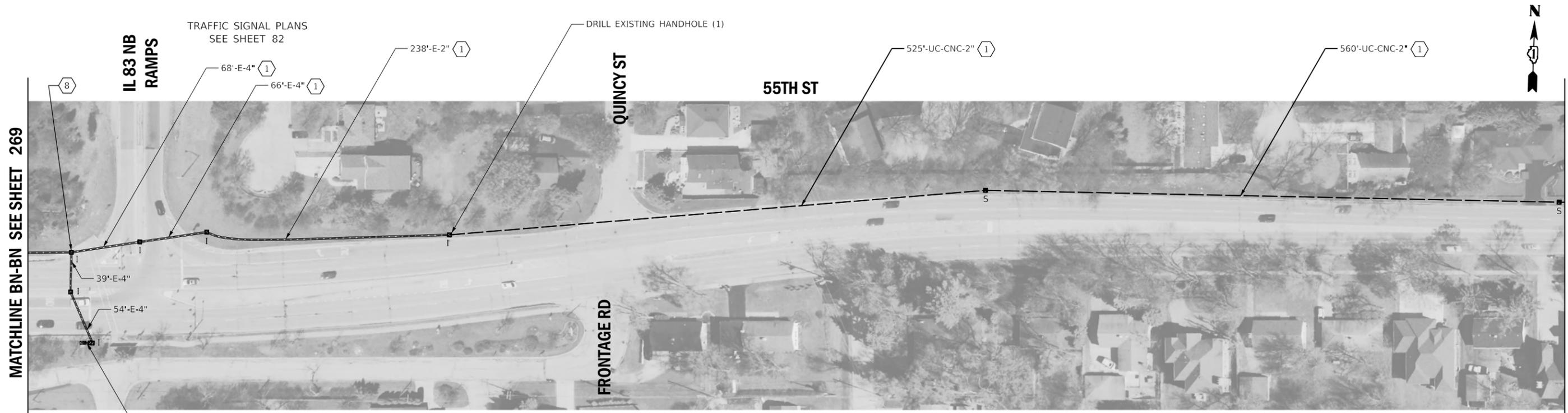
NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.



- 6 EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- 7 THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- 8 AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.

	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN AREA 3 - 55TH ST			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -		SCALE: 1"=50'	SHEET 35	OF 42 SHEETS	STA.	TO STA.	VAR.	19-DCCSS-03-TL	DUPAGE	307 269
	PLOT DATE = 7/25/2021	DATE -	REVISED -							CONTRACT NO. 61H22			
<small>FILE NAME = X:\Projects\GFL\2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\sh-4ht-4oc3_55th.dgn</small>				<small>ILLINOIS FED. AID PROJECT</small>									

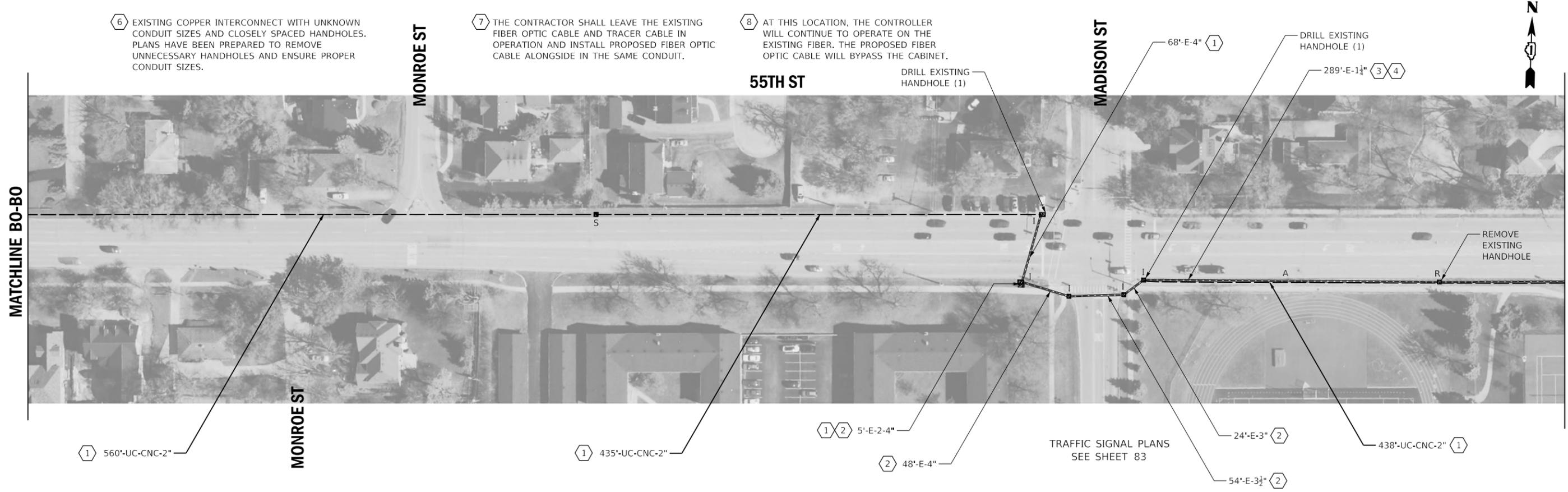


MATCHLINE BN-BN SEE SHEET 269

MATCHLINE BO-BO

NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- ⑤ THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.



MATCHLINE BO-BO

MATCHLINE BP-BP SEE SHEET 271



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

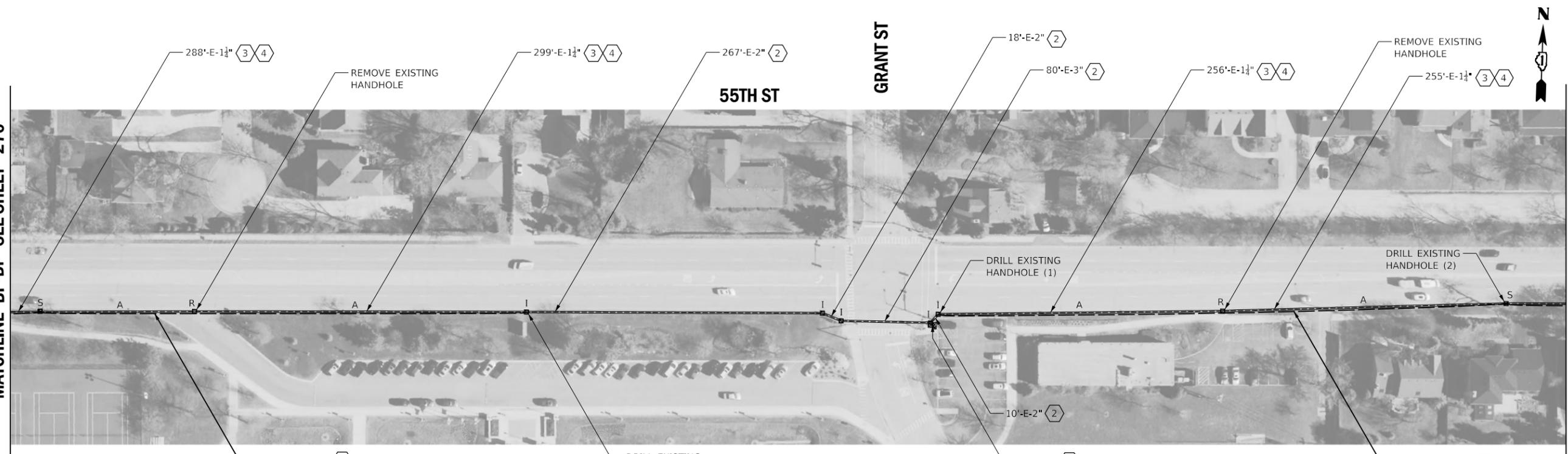
**PROPOSED INTERCONNECT PLAN
AREA 3 - 55TH ST**

SCALE: 1"=50' SHEET 36 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	270
CONTRACT NO. 61H22				
ILLINOIS FED. AID PROJECT				

MATCHLINE BP-BP SEE SHEET 270

MATCHLINE BQ-BQ



NOTES:

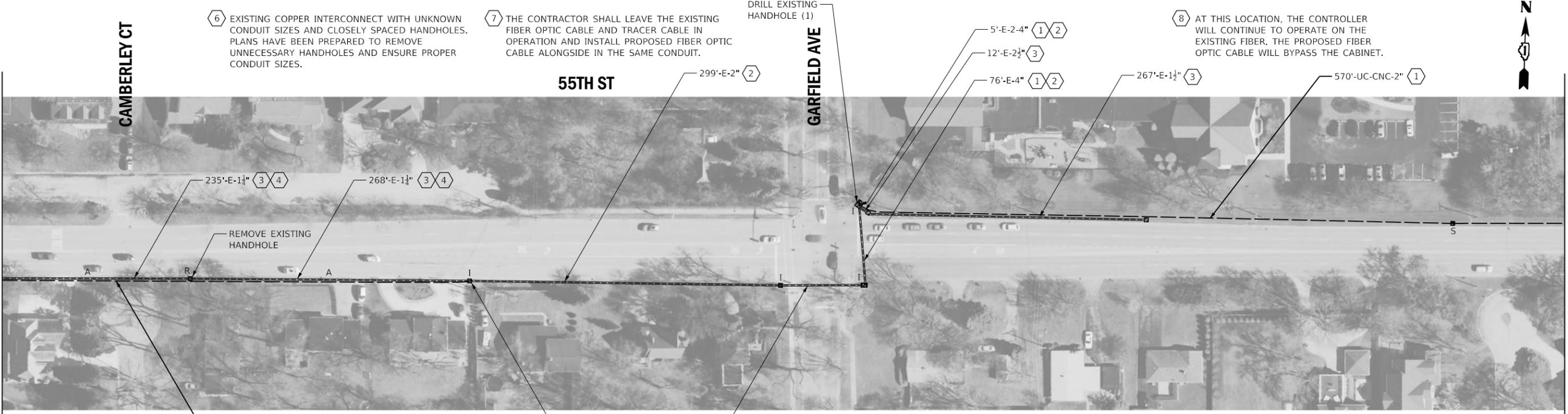
- (1) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- (2) THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- (3) EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- (4) THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- (5) THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

TRAFFIC SIGNAL PLANS SEE SHEET 85



MATCHLINE BQ-BQ

MATCHLINE BR-BR SEE SHEET 272



- (6) EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.
- (7) THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- (8) AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.

TRAFFIC SIGNAL PLANS SEE SHEET 87



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/2/2021	CHECKED - ZH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 3 - 55TH ST

SCALE: 1"=50' SHEET 37 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	271
			CONTRACT NO. 61H22	
		ILLINOIS	FED. AID PROJECT	

MATCHLINE BR-BR SEE SHEET 271

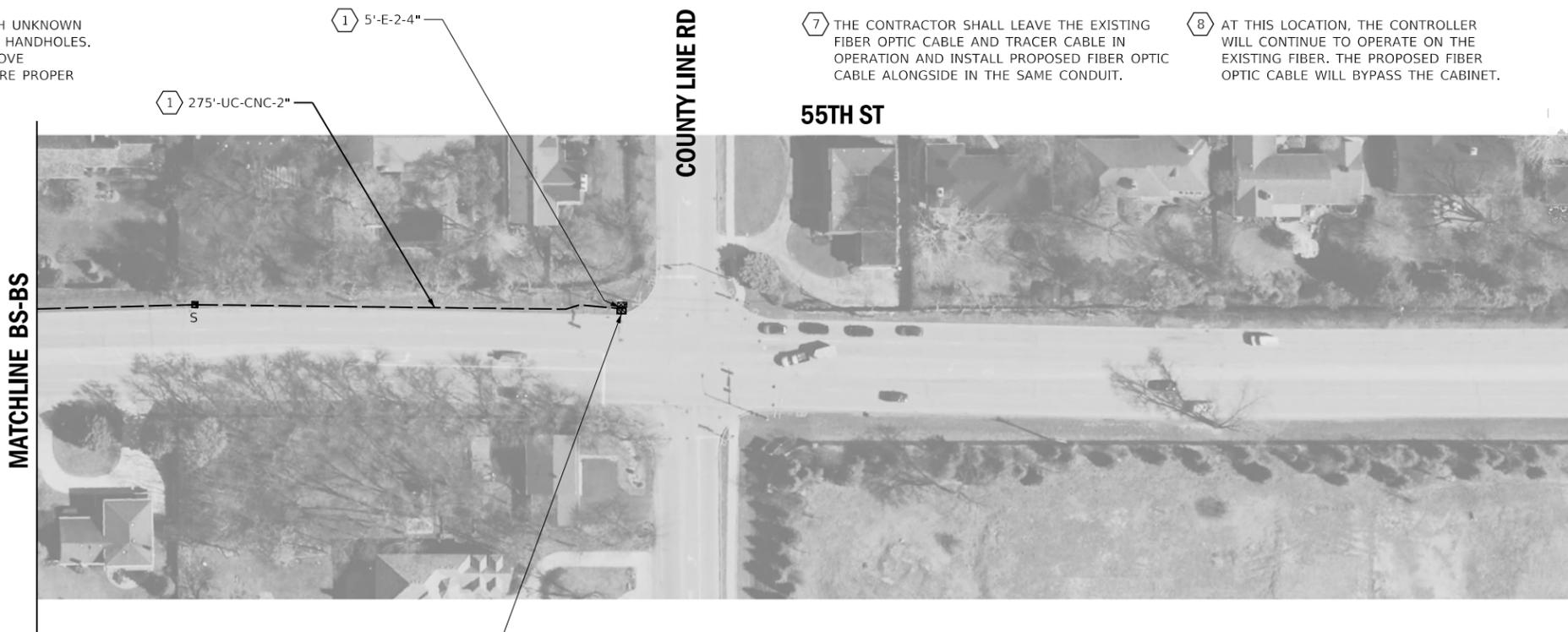


MATCHLINE BS-BS

NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.
- 5 THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL CABLE USED AS THE EXISTING INTERCONNECT CABLE.

- 6 EXISTING COPPER INTERCONNECT WITH UNKNOWN CONDUIT SIZES AND CLOSELY SPACED HANDHOLES. PLANS HAVE BEEN PREPARED TO REMOVE UNNECESSARY HANDHOLES AND ENSURE PROPER CONDUIT SIZES.



- 7 THE CONTRACTOR SHALL LEAVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE IN OPERATION AND INSTALL PROPOSED FIBER OPTIC CABLE ALONGSIDE IN THE SAME CONDUIT.
- 8 AT THIS LOCATION, THE CONTROLLER WILL CONTINUE TO OPERATE ON THE EXISTING FIBER. THE PROPOSED FIBER OPTIC CABLE WILL BYPASS THE CABINET.

DRILL EXISTING HANDHOLE (1)

TRAFFIC SIGNAL PLANS SEE SHEET 88



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/2/2021	DATE -	REVISED -

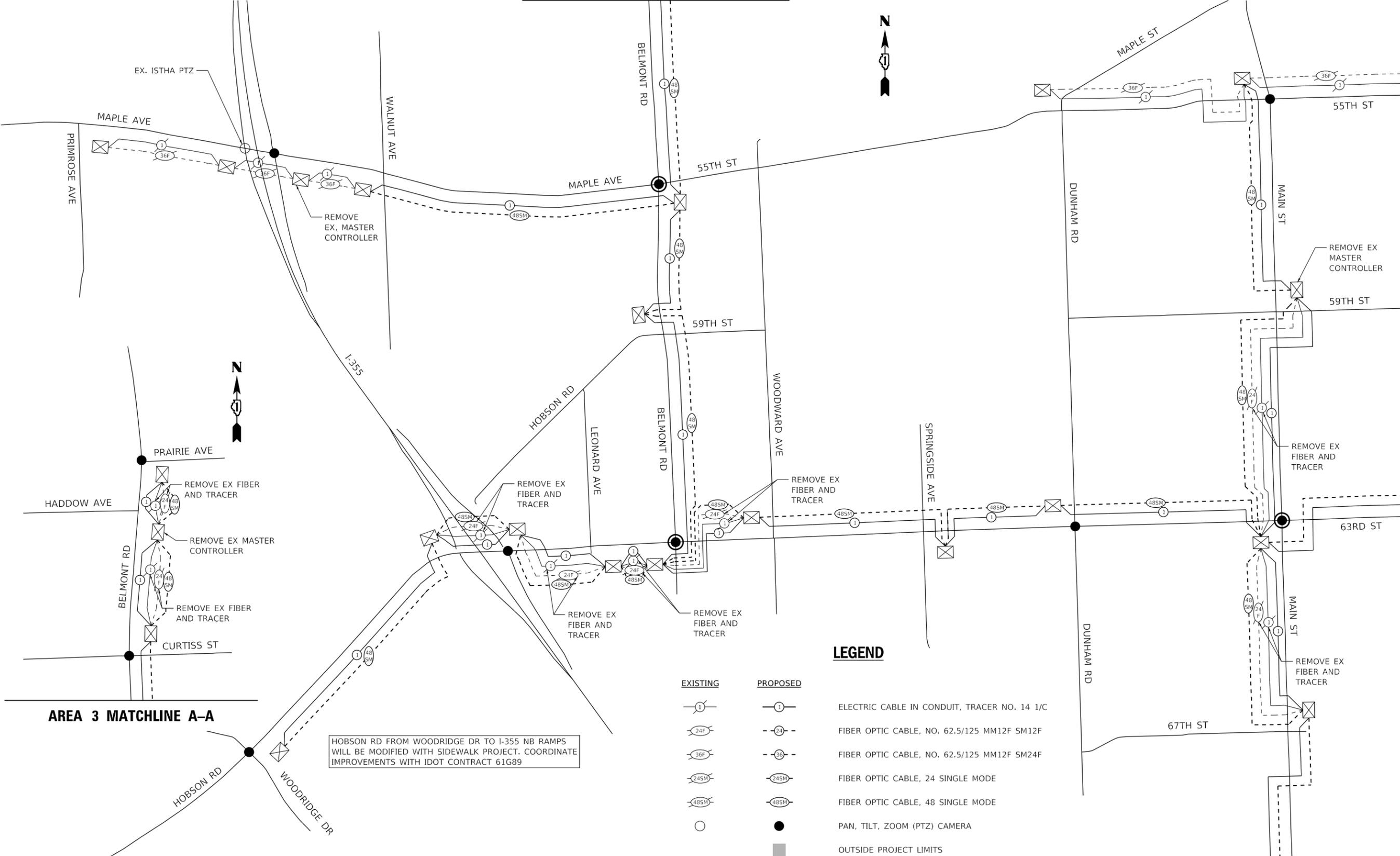
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 3 - 55TH ST

SCALE: 1"=50' SHEET 38 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	272
			CONTRACT NO. 61H22	
ILLINOIS FED. AID PROJECT				

AREA 3 MATCHLINE A-A



LEGEND

EXISTING	PROPOSED	
		ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM12F
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM24F
		FIBER OPTIC CABLE, 24 SINGLE MODE
		FIBER OPTIC CABLE, 48 SINGLE MODE
		PAN, TILT, ZOOM (PTZ) CAMERA
		OUTSIDE PROJECT LIMITS
		LAYER III SWITCH

AREA 3 MATCHLINE A-A

AREA 3 MATCHLINE B-B

AREA 3 MATCHLINE C-C



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 1200,0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/2/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
INTERCONNECT SCHEMATIC - AREA 3

SCALE: NTS SHEET 39 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	273
			CONTRACT NO. 61H22	
ILLINOIS FED. AID PROJECT				

FILE NAME = X:\Projects\IGLU\2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\int-int-schematics.dgn Area 3

VILLAGE OF DOWNERS GROVE HAS FIBER OPTIC CABLE RUNNING NORTH ALONG FAIRVIEW AVE FROM 55TH ST TO HILL ST. THIS FIBER IS CURRENTLY DISCONNECTED FROM THE INTERSECTION OF 55TH ST AT FAIRVIEW AVE AND SHALL REMAIN DISCONNECTED.

EX. FIBER OPTIC AND TRACER CABLE TO HILL ST (DISCONNECTED)

VILLAGE OF DOWNERS GROVE CONTROLLER ON FAIRVIEW AVE AT 59TH ST SHALL REMAIN OPERATIONAL ON EXISTING MULTIMODE AND COMMUNICATE TO DUPAGE NETWORK AT 55TH ST.

IDOT CONTROLLERS AT IL RTE 83 RAMPS SHALL REMAIN OPERATIONAL ON EXISTING MULTIMODE AND COMMUNICATE TO DUPAGE NETWORK AT HOLMES AVE.

AREA 3 MATCHLINE C-C

AREA 3 MATCHLINE D-D

LEGEND

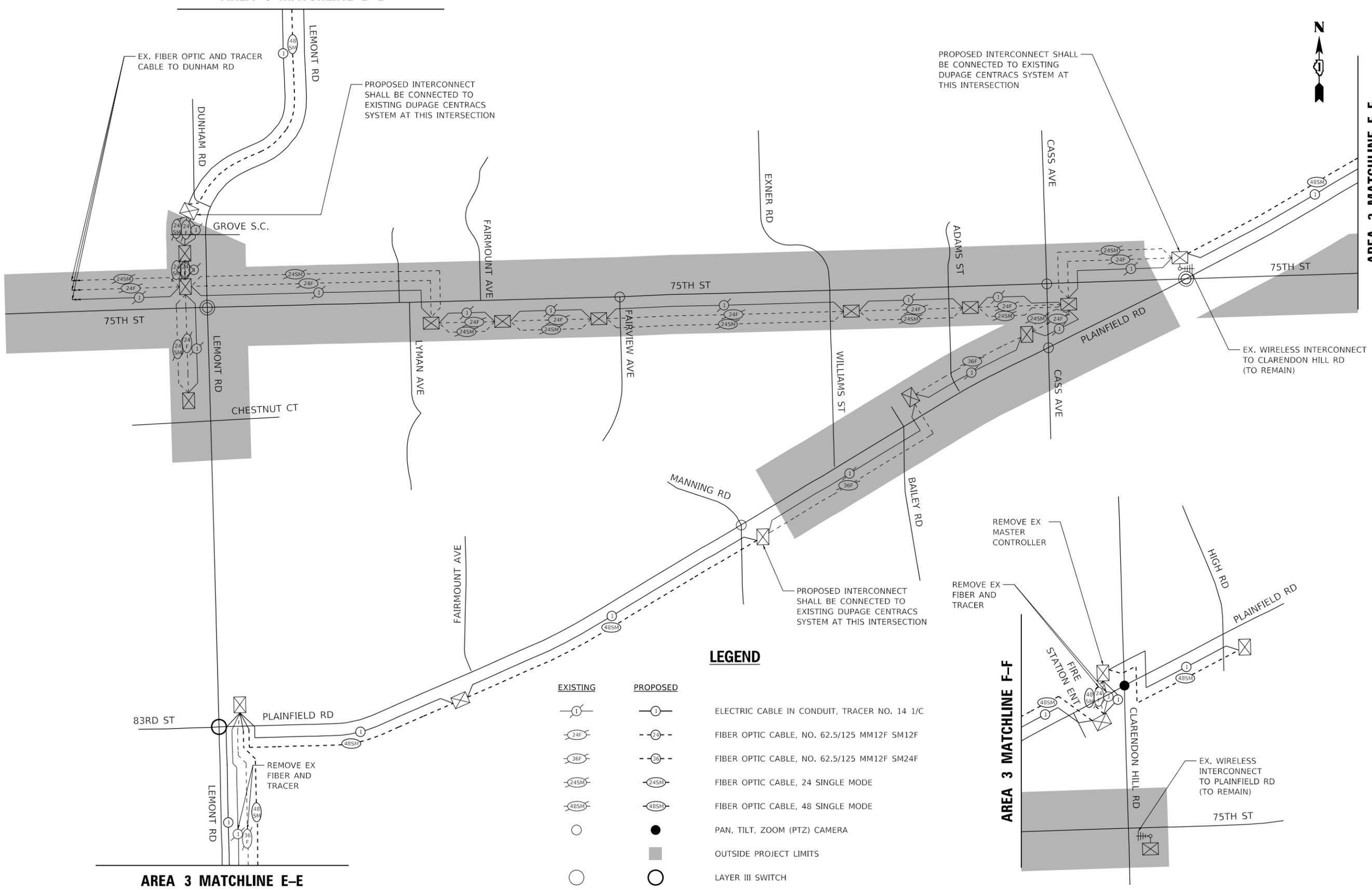
EXISTING	PROPOSED	
		ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C
		COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM12F
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM24F
		FIBER OPTIC CABLE, 24 SINGLE MODE
		FIBER OPTIC CABLE, 48 SINGLE MODE
		PAN, TILT, ZOOM (PTZ) CAMERA
		OUTSIDE PROJECT LIMITS
		LAYER III SWITCH

	USER NAME = zhoerbert	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN INTERCONNECT SCHEMATIC - AREA 3	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1/200,000' / in.	CHECKED - ZH	REVISED -			VAR.	19-DCCSS-03-TL	DUPAGE	307	274
	PLOT DATE = 8/2/2021	DATE -	REVISED -	SCALE: NTS	SHEET 40 OF 42 SHEETS	TO STA.	CONTRACT NO. 61H22		ILLINOIS FED. AID PROJECT	

FILE NAME = X:\Projects\IGLU\2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\int-schematics.dgn
Area 3

AREA 3 MATCHLINE B-B

AREA 3 MATCHLINE F-F



AREA 3 MATCHLINE E-E

LEGEND

EXISTING	PROPOSED	
		ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM12F
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM24F
		FIBER OPTIC CABLE, 24 SINGLE MODE
		FIBER OPTIC CABLE, 48 SINGLE MODE
		PAN, TILT, ZOOM (PTZ) CAMERA
		OUTSIDE PROJECT LIMITS
		LAYER III SWITCH



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
PLOT SCALE = 1200.0000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 8/2/2021	CHECKED - ZH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

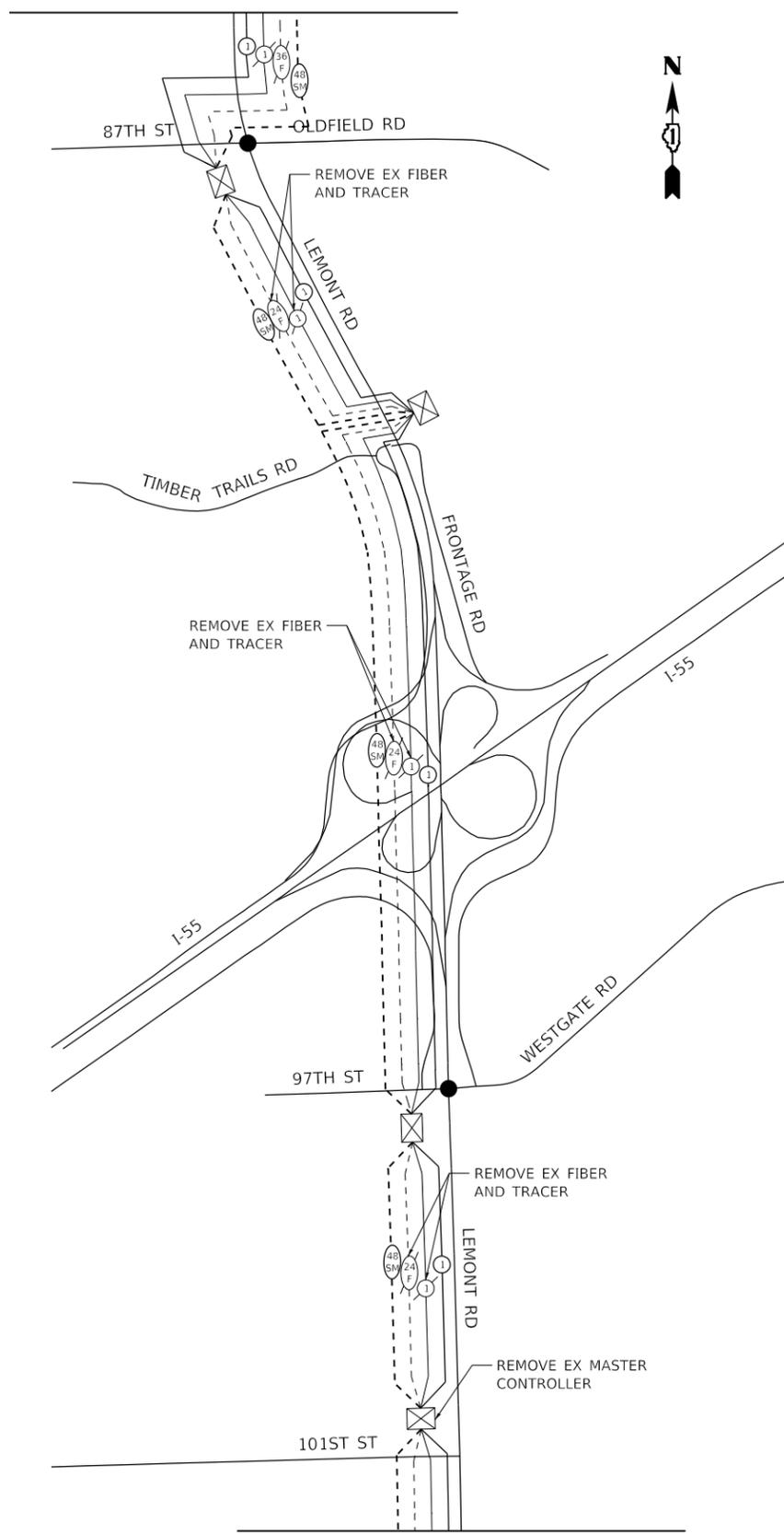
TRAFFIC SIGNAL MODERNIZATION PLAN
INTERCONNECT SCHEMATIC - AREA 3

SCALE:	SHEET 41	OF 42 SHEETS	STA.	TO STA.
--------	----------	--------------	------	---------

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	275
			CONTRACT NO. 61H22	
ILLINOIS FED. AID PROJECT				

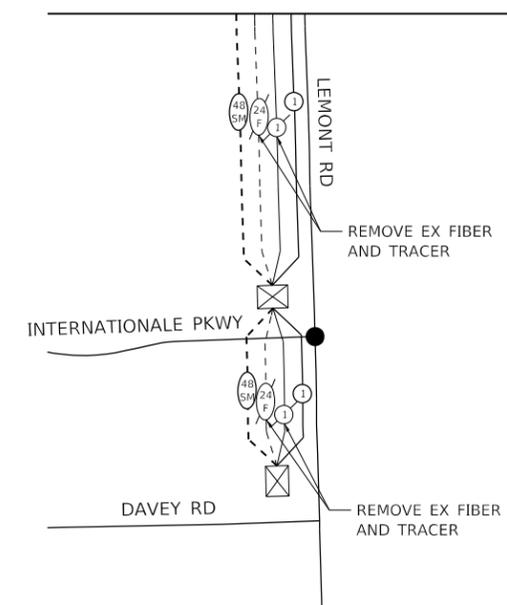
FILE NAME = X:\Projects\IGLI\2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\st-nt-schematics.dgn
Area 3

AREA 3 MATCHLINE E-E



AREA 3 MATCHLINE G-G

AREA 3 MATCHLINE G-G



AREA 3 SCHEDULE OF QUANTITIES

TOTAL QUANTITY	UNIT	ITEM DESCRIPTION
49	CU YD	NON-SPECIAL WASTE DISPOSAL
3	CU YD	HAZARDOUS WASTE DISPOSAL
1238	GALLON	SPECIAL WASTE GROUNDWATER DISPOSAL
5	EACH	SOIL DISPOSAL ANALYSIS
0.25	L SUM	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN
0.25	L SUM	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT
13.5	CAL DA	REGULATED SUBSTANCES MONITORING
288	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
56458	FOOT	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.
82	EACH	HANDHOLE
3	EACH	TRANSCEIVER - FIBER OPTIC
105460	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C
63	EACH	DRILL EXISTING HANDHOLE
43375	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
9	EACH	REMOVE EXISTING HANDHOLE
30556	FOOT	ROD AND CLEAN EXISTING CONDUIT
106485	FOOT	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE
38066	FOOT	REMOVE FIBER OPTIC CABLE FROM CONDUIT
144	EACH	TERMINATE FIBER IN CABINET
2	EACH	TERMINAL SERVER
90	EACH	SPLICE FIBER IN CABINET
12	EACH	LAYER III FIBER OPTIC TRANSCEIVER MODULE, SFP TYPE, LONG DISTANCE
312	SQ FT	TEMPORARY INFORMATION SIGNING
2	EACH	PROGRAM ITS EQUIPMENT

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM12F
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM24F
		FIBER OPTIC CABLE, 24 SINGLE MODE
		FIBER OPTIC CABLE, 48 SINGLE MODE
		PAN, TILT, ZOOM (PTZ) CAMERA
		OUTSIDE PROJECT LIMITS
		LAYER III SWITCH

AREA 3 FIBER NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FIBER SPLICES AND TERMINATIONS FOR ALL PROPOSED FIBER OPTIC CABLES AS SPECIFIED IN THE SPECIAL PROVISIONS FOR FIBER OPTIC CABLES. FOR BIDDING PURPOSES, THE FOLLOWING SCHEDULE SHOULD BE USED TO ESTIMATE THE NUMBER OF TERMINATIONS AND SPLICES FOR THE PROPOSED FIBER:

- AT LOCATIONS WITH LAYER II SWITCHES:
12 TERMINATIONS PER PROPOSED FIBER OPTIC CABLE
6 SPLICES PER CABINET
- AT LOCATIONS WITH LAYER III SWITCHES:
24 TERMINATIONS PER PROPOSED FIBER OPTIC CABLE
24 SPLICES PER CABINET

TERMINATIONS FOR EXISTING FIBER OPTIC CABLES AND SPLICES BETWEEN EXISTING FIBER OPTIC CABLES SHALL BE PAID FOR SEPARATELY. FOR BIDDING PURPOSES AN ESTIMATED QUANTITY OF SPLICES AND TERMINATIONS HAS BEEN INCLUDED IN THE QUANTITIES.

THE ACTUAL NUMBER OF TERMINATIONS AND SPLICES AT EACH LOCATION SHALL BE BASED ON THE NETWORK CONFIGURATION DOCUMENT SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE TRAFFIC ENGINEER. SEE THE SPECIAL PROVISION LAYER III SWITCH. SPLICES AND TERMINATIONS SHALL BE REALLOCATED BY THE ENGINEER, AS NEEDED, BETWEEN THE INTERCONNECT AREAS.

AREA 3 FIBER SPLICE AND TERMINATION SCHEDULE:

	INCLUDED IN FIBER OPTIC CABLE PAY ITEM	TO BE PAID FOR SEPARATLY
TERMINATE FIBER IN CABINET	672	144
SPLICE FIBER IN CABINET	408	90



USER NAME = zhoerbert	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 1/200,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/2/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

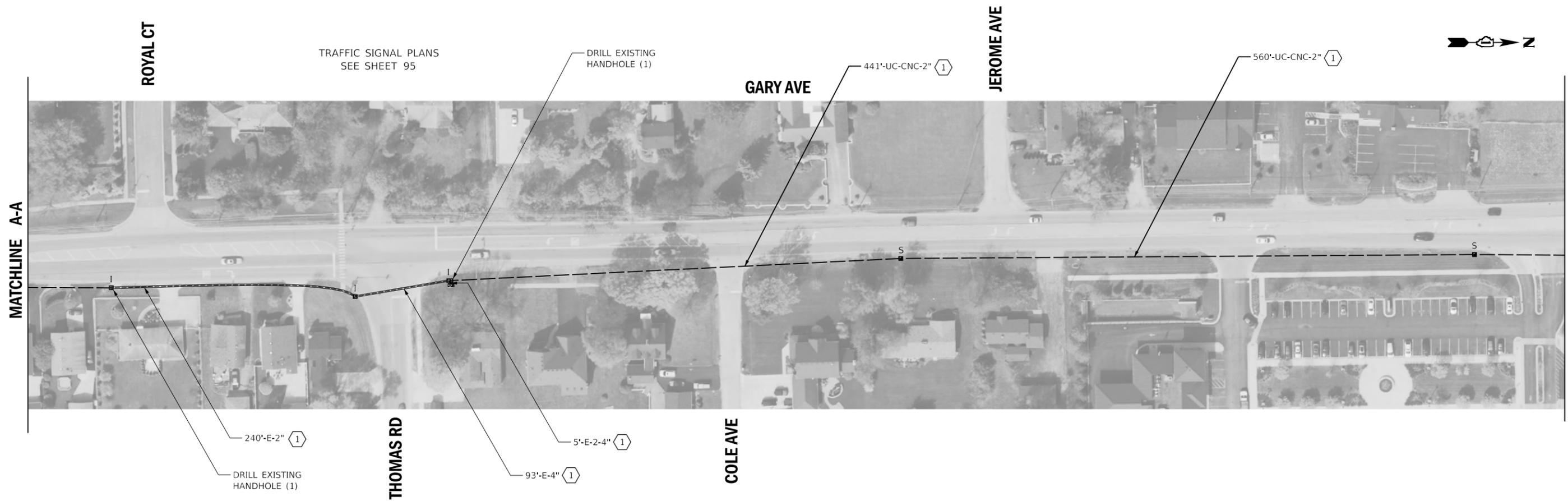
TRAFFIC SIGNAL MODERNIZATION PLAN
INTERCONNECT SCHEMATIC - AREA 3

SCALE: SHEET 42 OF 42 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	276
			CONTRACT NO. 61H22	
ILLINOIS FED. AID PROJECT				

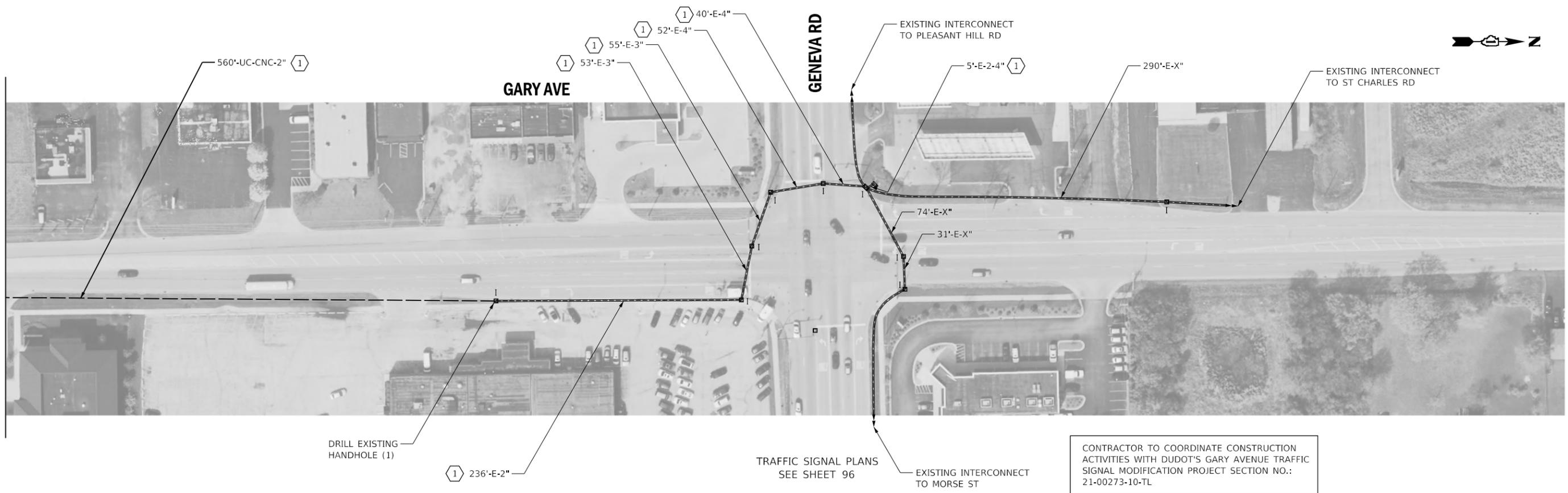


NOTES:
 (1) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.



	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN AREA 4 - GARY AVE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -					VAR.	19-DCCSS-03-TL	DUPAGE	307	277
	PLOT DATE = 7/25/2021	DATE -	REVISED -		SCALE: 1"=50'	SHEET 1	OF 5 SHEETS	STA.	TO STA.	CONTRACT NO. 61H22		
FILE NAME = X:\Projects\GFL\2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\sh-4nt-4oc4_Gary-Jewell.dgn Default											ILLINOIS FED. AID PROJECT	

MATCHLINE B-B SEE SHEET 277



NOTES:

(1) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.



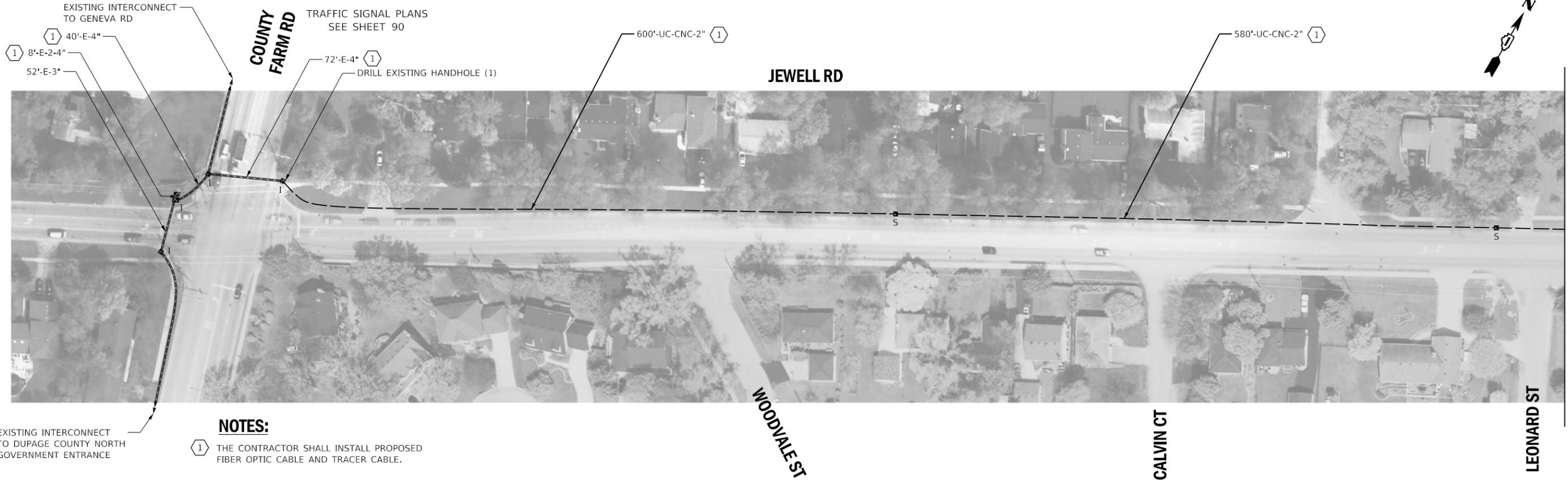
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
AREA 4 - GARY AVE**

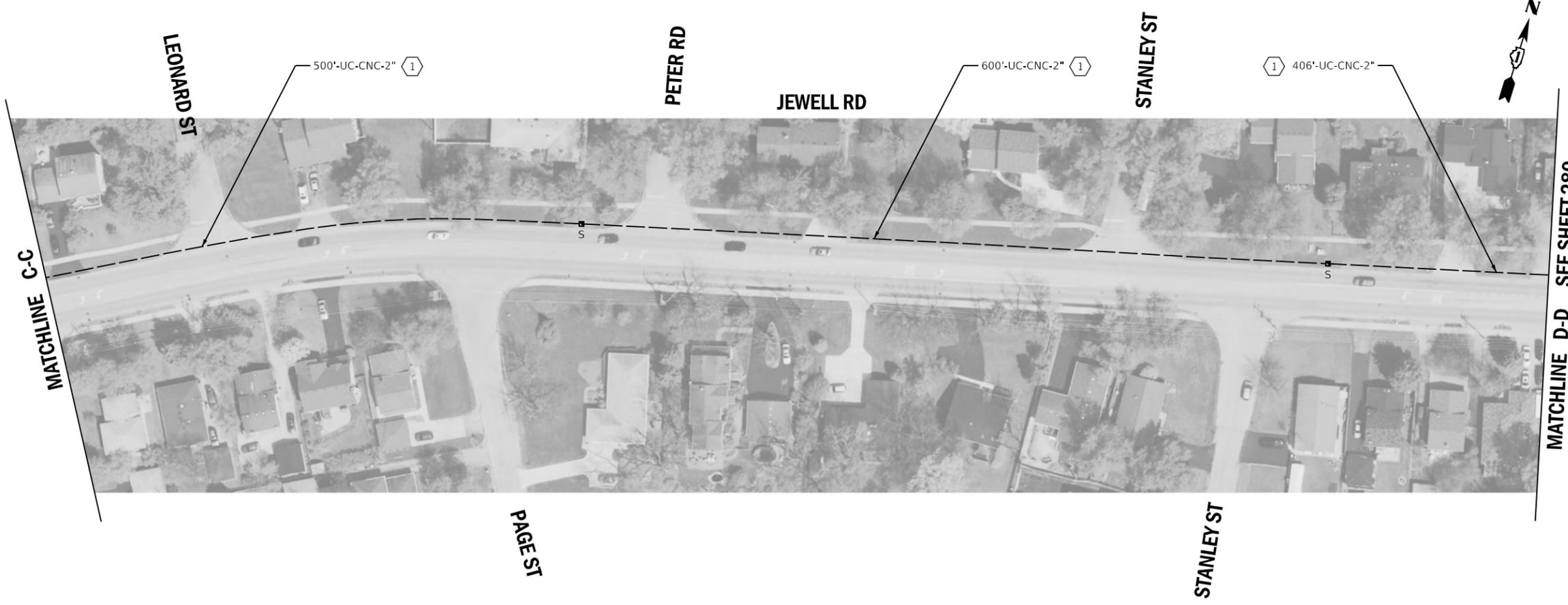
SCALE: 1"=50' SHEET 2 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	278
			CONTRACT NO. 61H22	
		ILLINOIS	FED. AID PROJECT	



EXISTING INTERCONNECT TO DUPAGE COUNTY NORTH GOVERNMENT ENTRANCE

NOTES:
 (1) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
 AREA 4 - JEWELL RD

SCALE: 1"=50' SHEET 3 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	279
			CONTRACT NO. 61H22	
ILLINOIS FED. AID PROJECT				

MATCHLINE D-D SEE SHEET 279



TRAFFIC SIGNAL PLANS
SEE SHEET 92

PLEASANT
HILL RD

JEWELL RD

COTTONWOOD DR



ELMWOOD ST

NOTES:

(1) THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 4 - JEWELL RD

SCALE: 1"=50' SHEET 4 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	280
			CONTRACT NO. 61H22	
		ILLINOIS	FED. AID PROJECT	



AREA 4 SCHEDULE OF QUANTITIES

TOTAL QUANTITY	UNIT	ITEM DESCRIPTION
5452	FOOT	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.
8	EACH	HANDHOLE
6730	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C
6	EACH	DRILL EXISTING HANDHOLE
48	EACH	TERMINATE FIBER IN CABINET
30	EACH	SPLICE FIBER IN CABINET
2	EACH	LAYER III FIBER OPTIC TRANSCEIVER MODULE, SFP TYPE, LONG DISTANCE
104	SQ FT	TEMPORARY INFORMATION SIGNING

AREA 4 FIBER NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FIBER SPLICES AND TERMINATIONS FOR ALL PROPOSED FIBER OPTIC CABLES AS SPECIFIED IN THE SPECIAL PROVISIONS FOR FIBER OPTIC CABLES. FOR BIDDING PURPOSES, THE FOLLOWING SCHEDULE SHOULD BE USED TO ESTIMATE THE NUMBER OF TERMINATIONS AND SPLICES FOR THE PROPOSED FIBER:

AT LOCATIONS WITH LAYER II SWITCHES:
12 TERMINATIONS PER PROPOSED FIBER OPTIC CABLE
6 SPLICES PER CABINET

AT LOCATIONS WITH LAYER III SWITCHES:
24 TERMINATIONS PER PROPOSED FIBER OPTIC CABLE
24 SPLICES PER CABINET

TERMINATIONS FOR EXISTING FIBER OPTIC CABLES AND SPLICES BETWEEN EXISTING FIBER OPTIC CABLES SHALL BE PAID FOR SEPARATELY. FOR BIDDING PURPOSES AN ESTIMATED QUANTITY OF SPLICES AND TERMINATIONS HAS BEEN INCLUDED IN THE QUANTITIES.

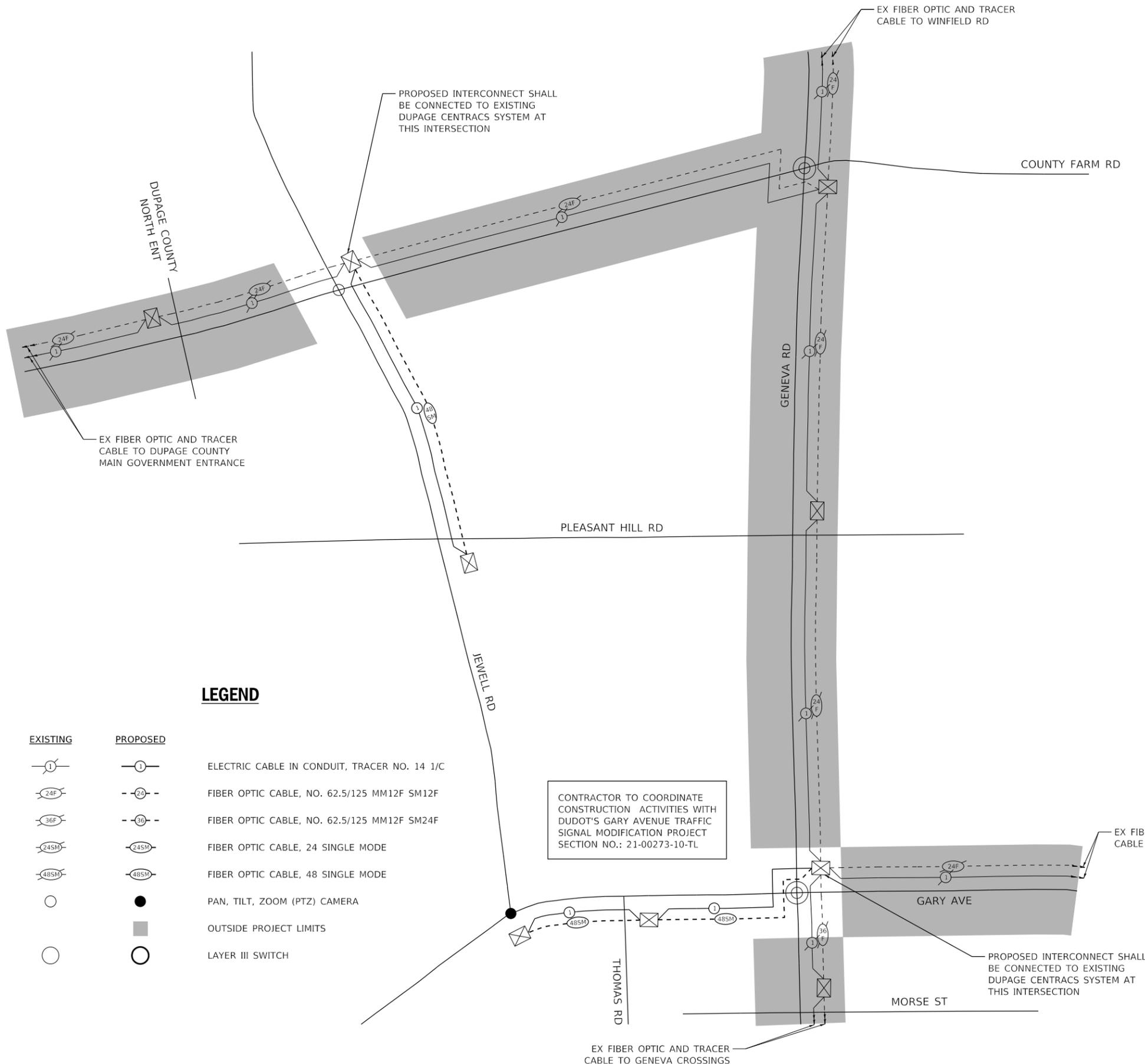
THE ACTUAL NUMBER OF TERMINATIONS AND SPLICES AT EACH LOCATION SHALL BE BASED ON THE NETWORK CONFIGURATION DOCUMENT SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE TRAFFIC ENGINEER. SEE THE SPECIAL PROVISION LAYER III SWITCH. SPLICES AND TERMINATIONS SHALL BE REALLOCATED BY THE ENGINEER, AS NEEDED, BETWEEN THE INTERCONNECT AREAS.

AREA 4 FIBER SPLICE AND TERMINATION SCHEDULE:

	INCLUDED IN FIBER OPTIC CABLE PAY ITEM	TO BE PAID FOR SEPERATLY
TERMINATE FIBER IN CABINET	36	48
SPLICE FIBER IN CABINET	18	30

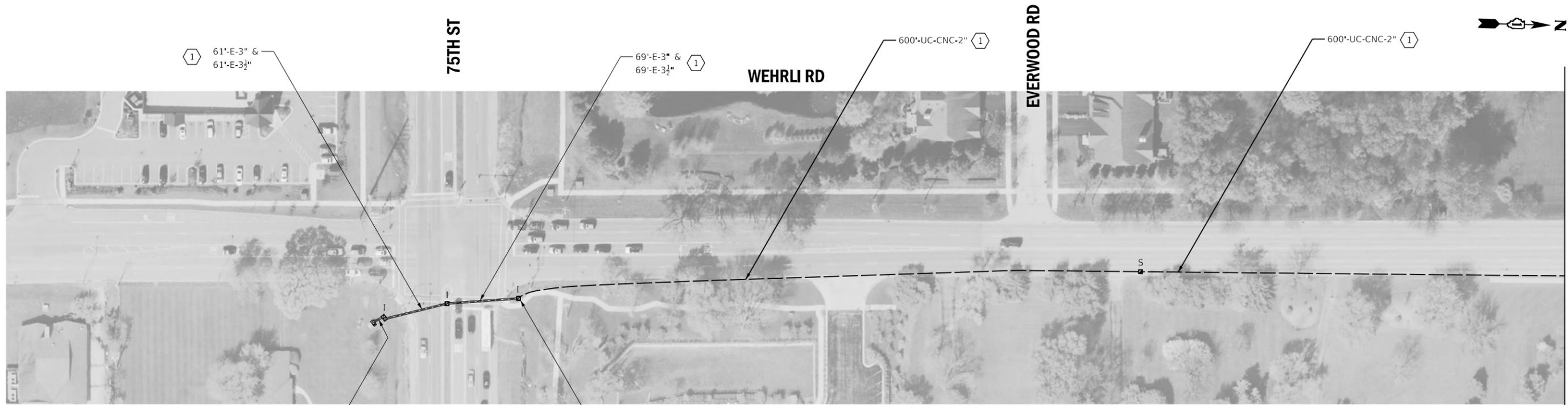
LEGEND

EXISTING	PROPOSED	
		ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM12F
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM24F
		FIBER OPTIC CABLE, 24 SINGLE MODE
		FIBER OPTIC CABLE, 48 SINGLE MODE
		PAN, TILT, ZOOM (PTZ) CAMERA
		OUTSIDE PROJECT LIMITS
		LAYER III SWITCH

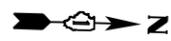


CONTRACTOR TO COORDINATE CONSTRUCTION ACTIVITIES WITH DUDOT'S GARY AVENUE TRAFFIC SIGNAL MODIFICATION PROJECT SECTION NO.: 21-00273-10-TL

FILE NAME = X:\Projects\IGLU\2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\st-int-schematics.dgn
Area 4



MATCHLINE A-A



NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.

TRAFFIC SIGNAL PLANS
SEE SHEET 147

DRILL EXISTING HANDHOLE (1)

MATCHLINE A-A



TRAFFIC SIGNAL PLANS
SEE SHEET 148

DRILL EXISTING
HANDHOLE (1)



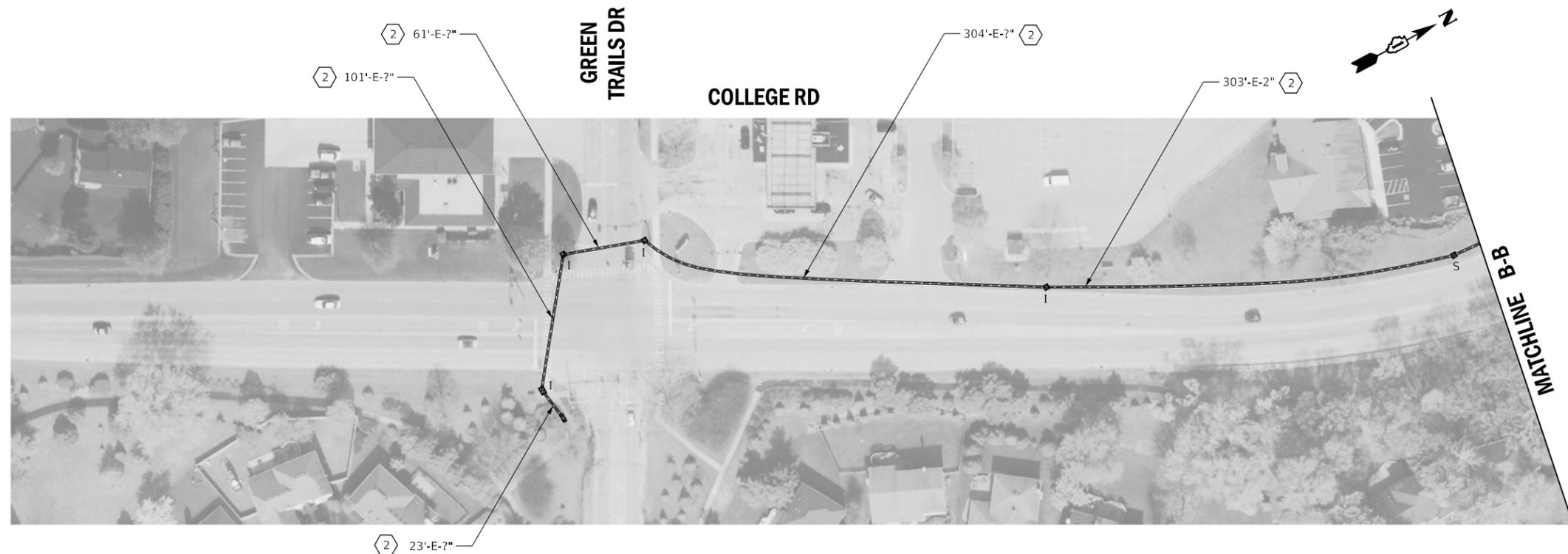
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
AREA 5 - WEHRLI RD**

SCALE: 1"=50' SHEET 1 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	282
			CONTRACT NO. 61H22	
ILLINOIS FED. AID PROJECT				



NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- TRAFFIC SIGNAL PLANS SEE SHEET 150
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.



DLZ	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

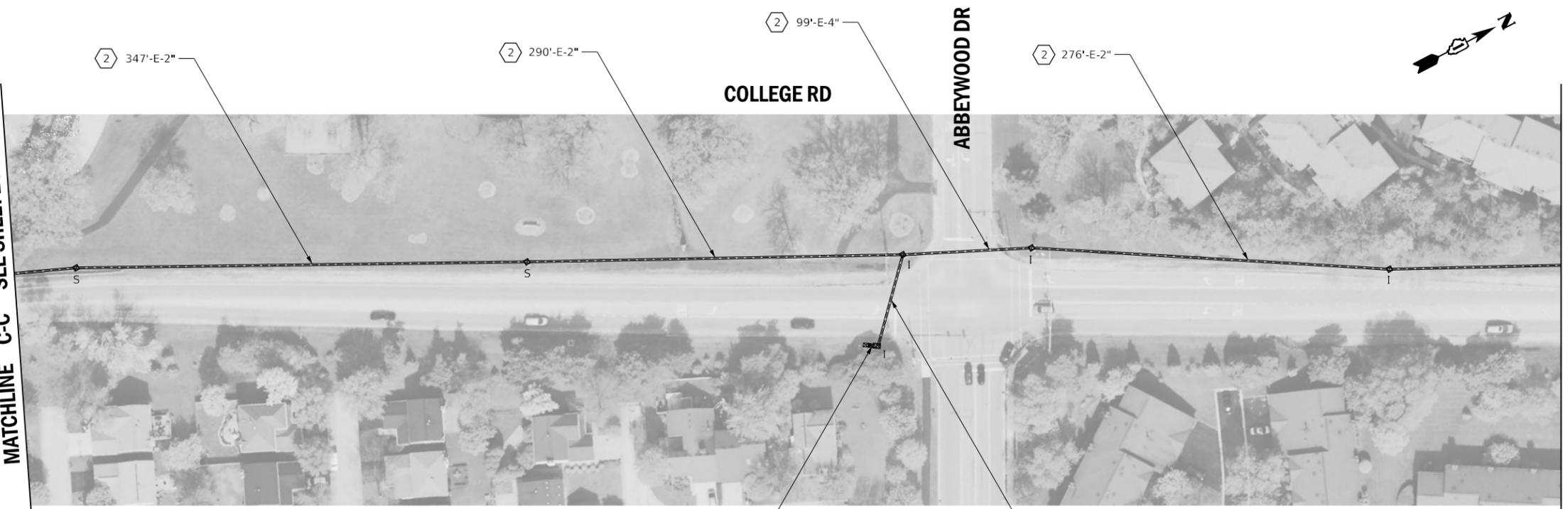
PROPOSED INTERCONNECT PLAN
AREA 5 - COLLEGE RD

SCALE: 1"=50' SHEET 2 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	283
			CONTRACT NO. 61H22	
		ILLINOIS	FED. AID PROJECT	

MATCHLINE C-C SEE SHEET 283

MATCHLINE D-D

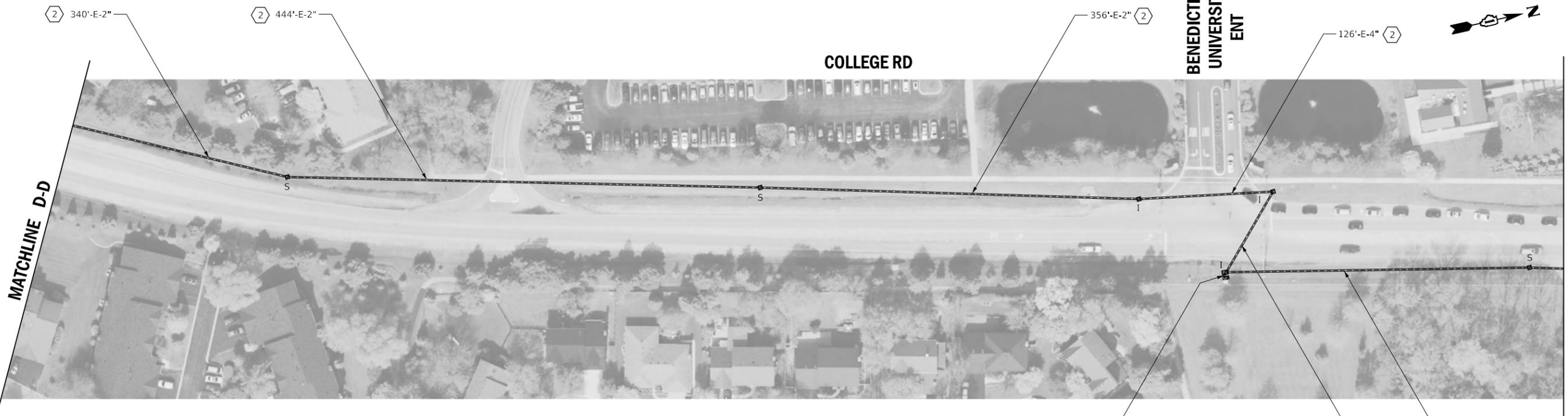


NOTES:

- 1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- 3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- 4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.

TRAFFIC SIGNAL PLANS
SEE SHEET 152

TRAFFIC SIGNAL PLANS
SEE SHEET 154



MATCHLINE D-D

MATCHLINE E-E SEE SHEET 285



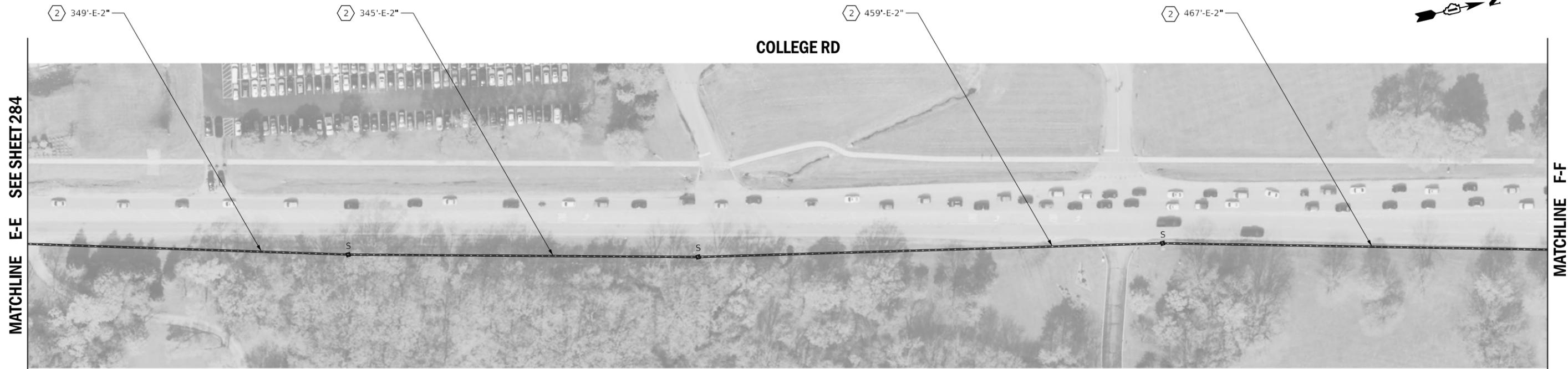
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 5 - COLLEGE RD

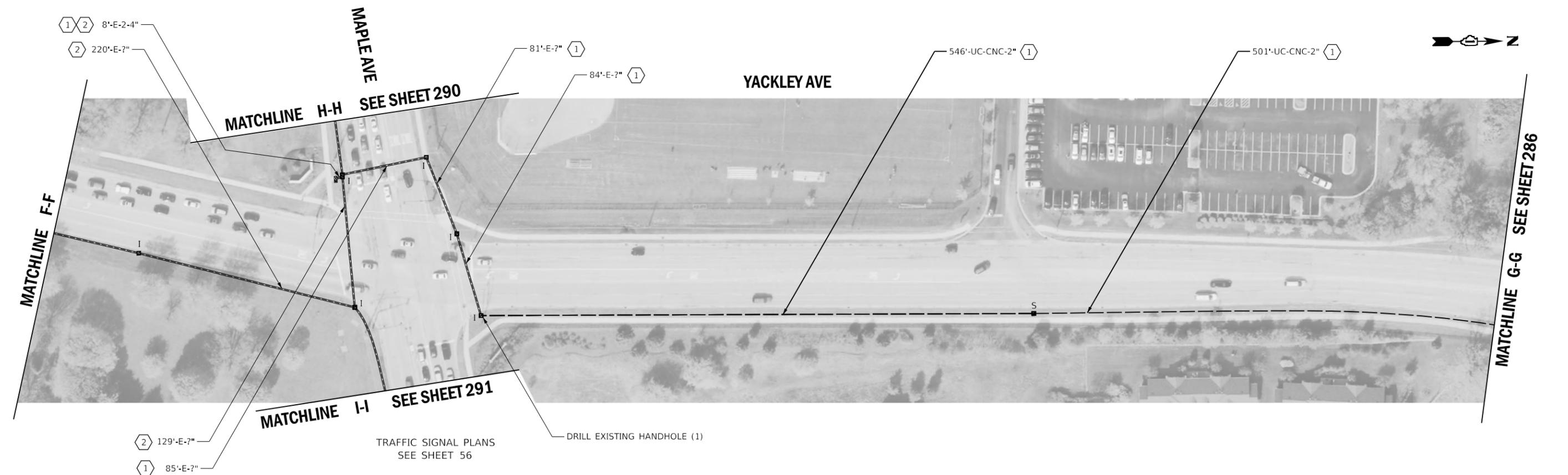
SCALE: 1"=50' SHEET 3 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	284
			CONTRACT NO. 61H22	
		ILLINOIS	FED. AID PROJECT	

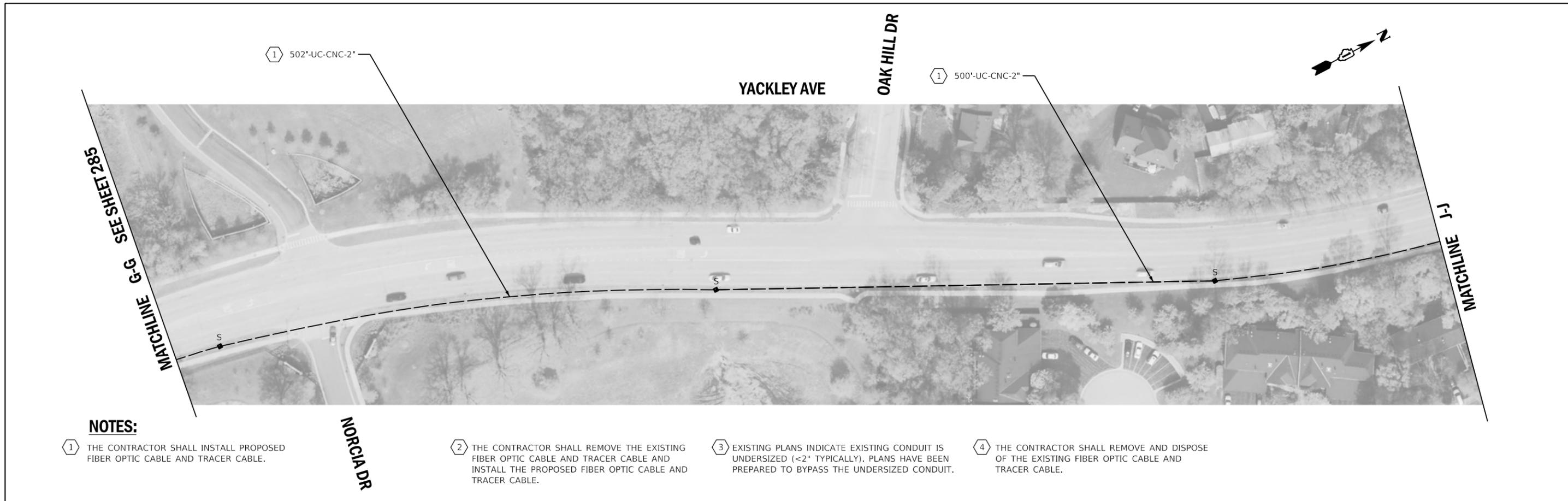


NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.

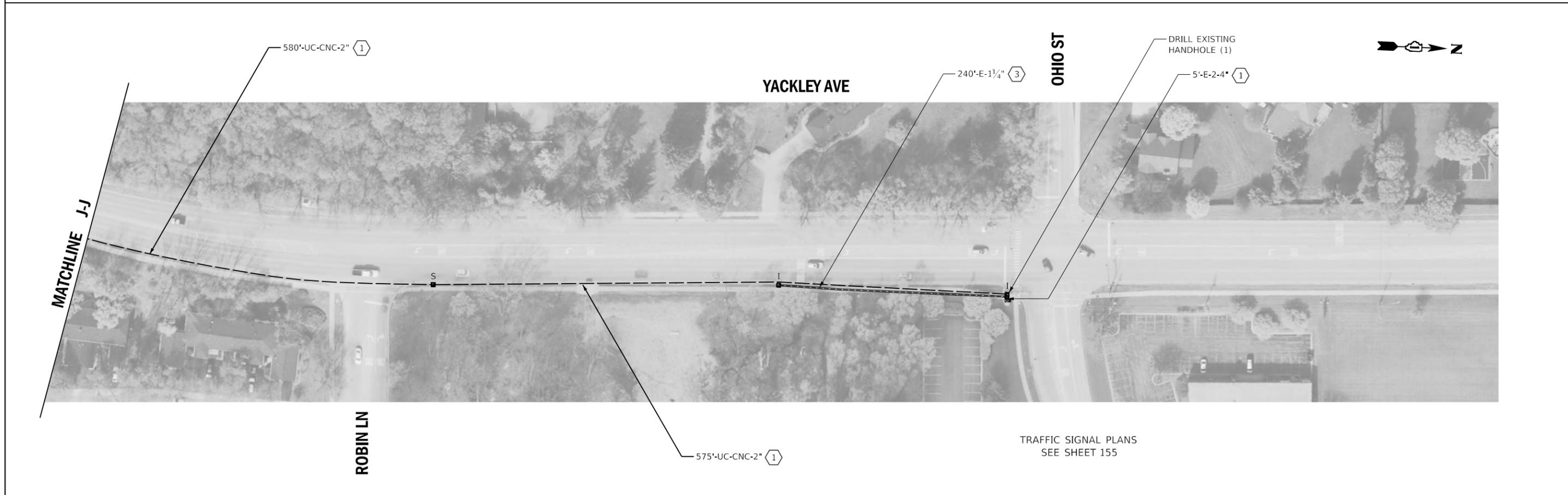


	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN AREA 5 - COLLEGE RD/YACKLEY AVE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -					VAR.	19-DCCSS-03-TL	DUPAGE	307	285
PLOT DATE = 7/25/2021	DATE -	REVISED -		SCALE: 1"=50'	SHEET 4	OF 13 SHEETS	STA.	TO STA.	CONTRACT NO. 61H22			
<small>FILE NAME = X:\Projects\GFL\2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\sh-ht-loc5_College-Yackley.dgn</small>										<small>ILLINOIS FED. AID PROJECT</small>		



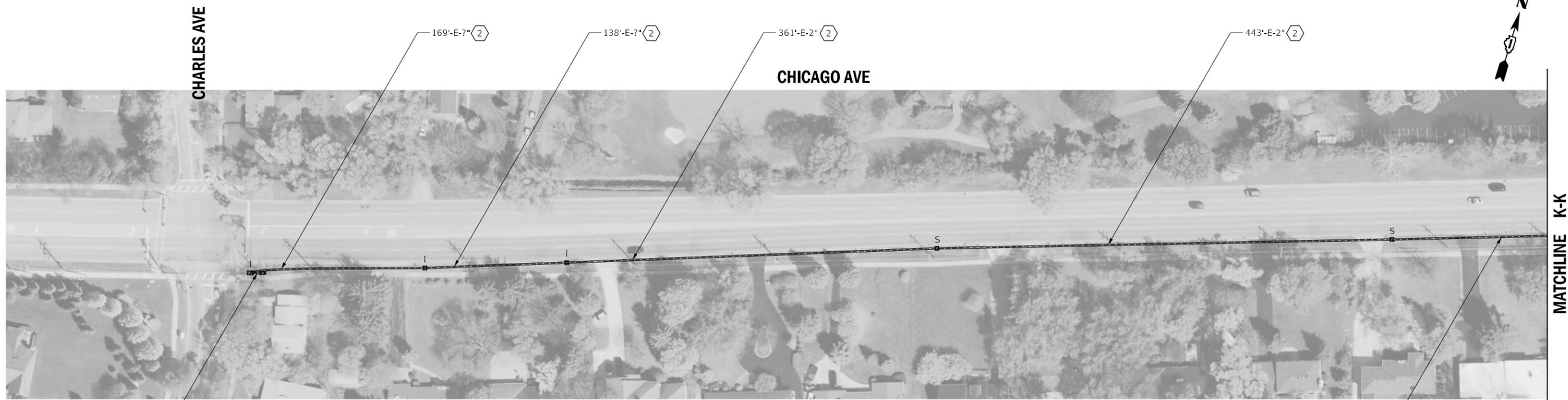
NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.



TRAFFIC SIGNAL PLANS
SEE SHEET 155

	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN AREA 5 - YACKLEY AVE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000 ' / in.	CHECKED - ZH	REVISED -					VAR.	19-DCCSS-03-TL	DUPAGE	307	286
	PLOT DATE = 7/25/2021	DATE -	REVISED -		SCALE: 1"=50'	SHEET 5	OF 13 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 61H22		



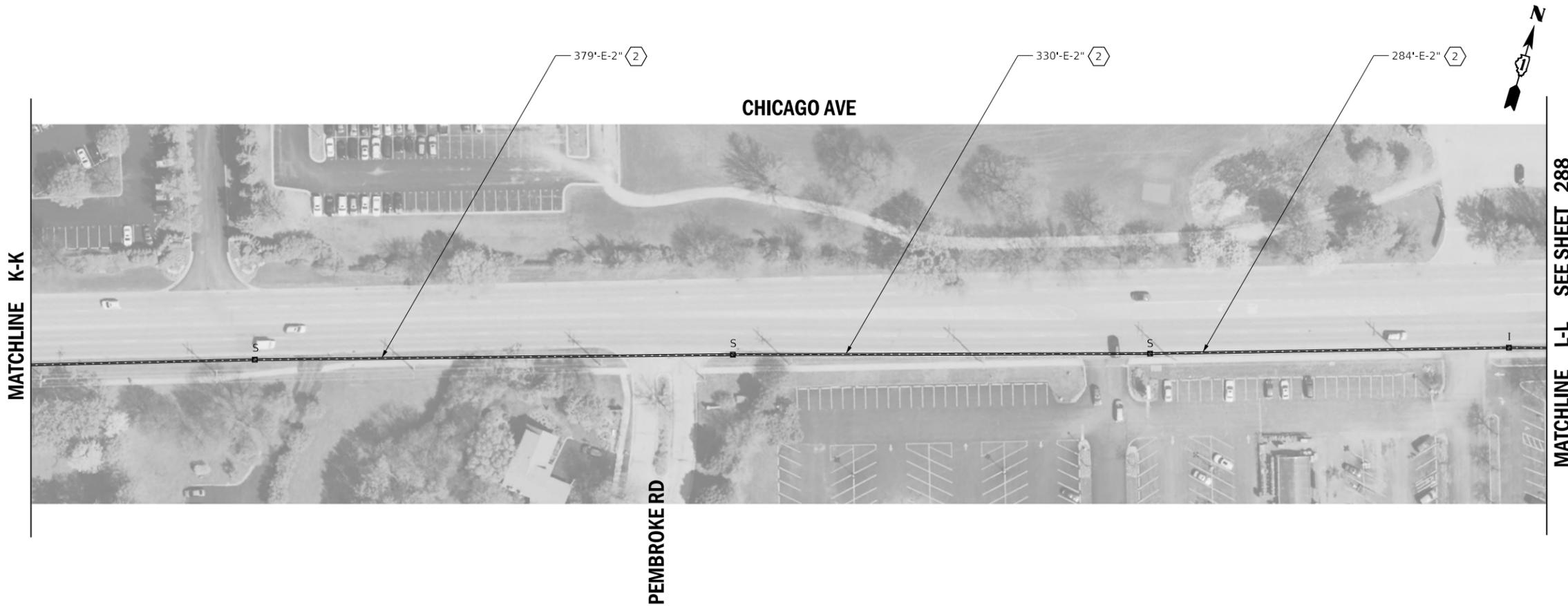
2 10'-E-2-4"
TRAFFIC SIGNAL PLANS
SEE SHEET 49

NOTES:
1 THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.

2 THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.

3 EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.

4 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.



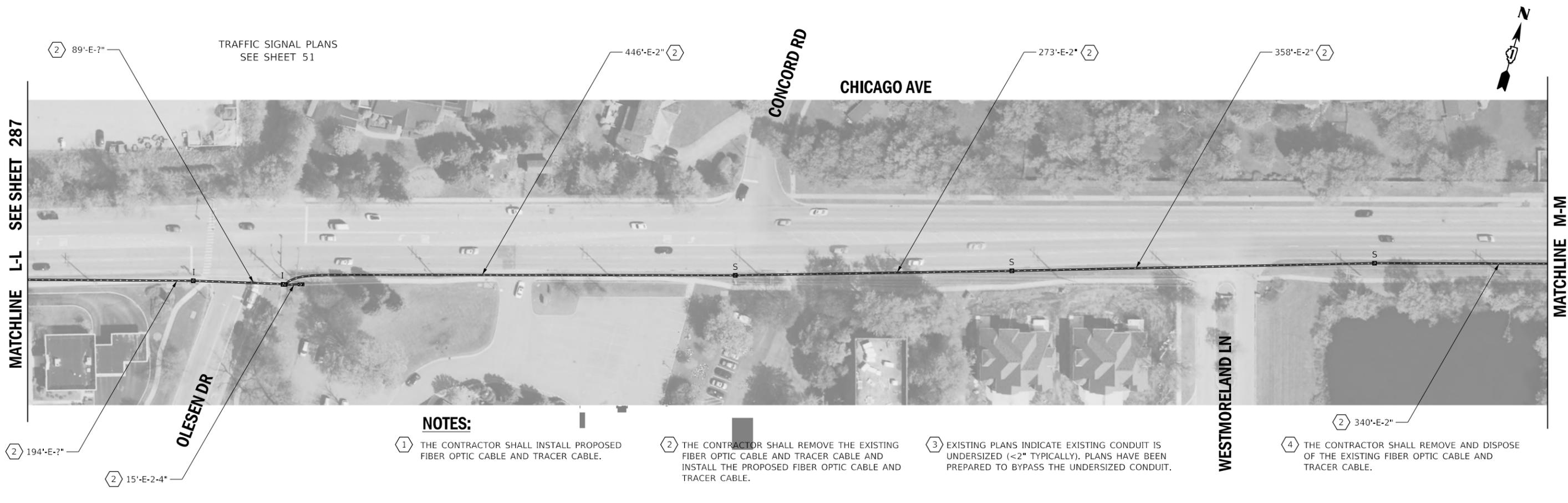
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 5 - CHICAGO AVE/MAPLE AVE

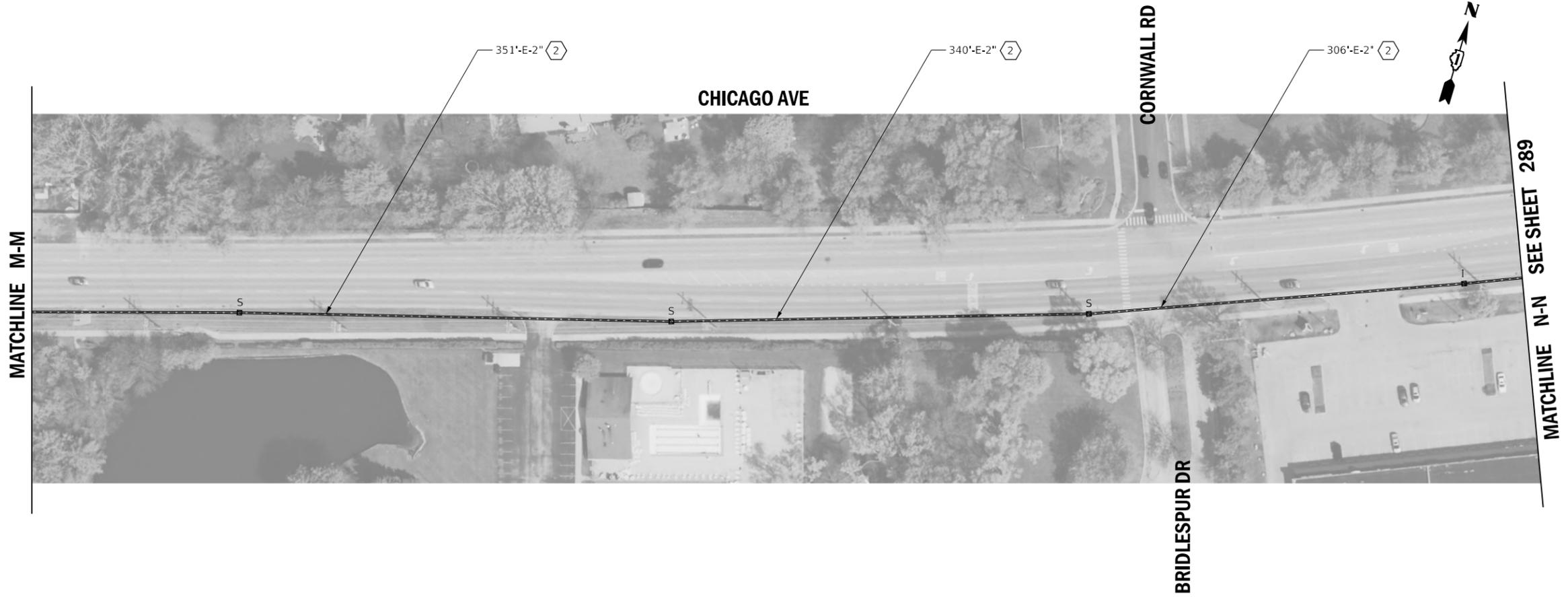
SCALE: 1"=50' SHEET 6 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	287
CONTRACT NO. 61H22			ILLINOIS FED. AID PROJECT	



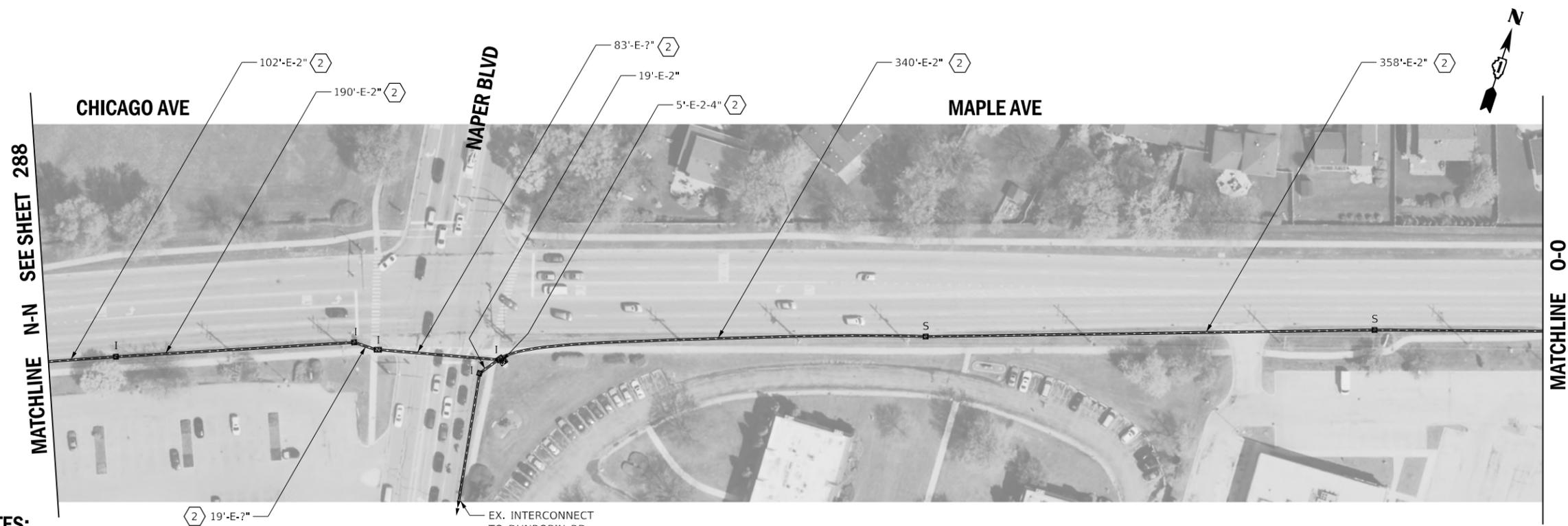
NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.



	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN AREA 5 - CHICAGO AVE/MAPLE AVE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -		SCALE: 1"=50'	SHEET 7	OF 13 SHEETS	STA.	TO STA.	VAR.	19-DCCSS-03-TL	DUPAGE	307 288
	PLOT DATE = 7/25/2021	DATE -	REVISED -		CONTRACT NO. 61H22								
	ILLINOIS FED. AID PROJECT												

FILE NAME = X:\Projects\GFL\2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\sh-ht-loc5_Chicago.dgn
 Default

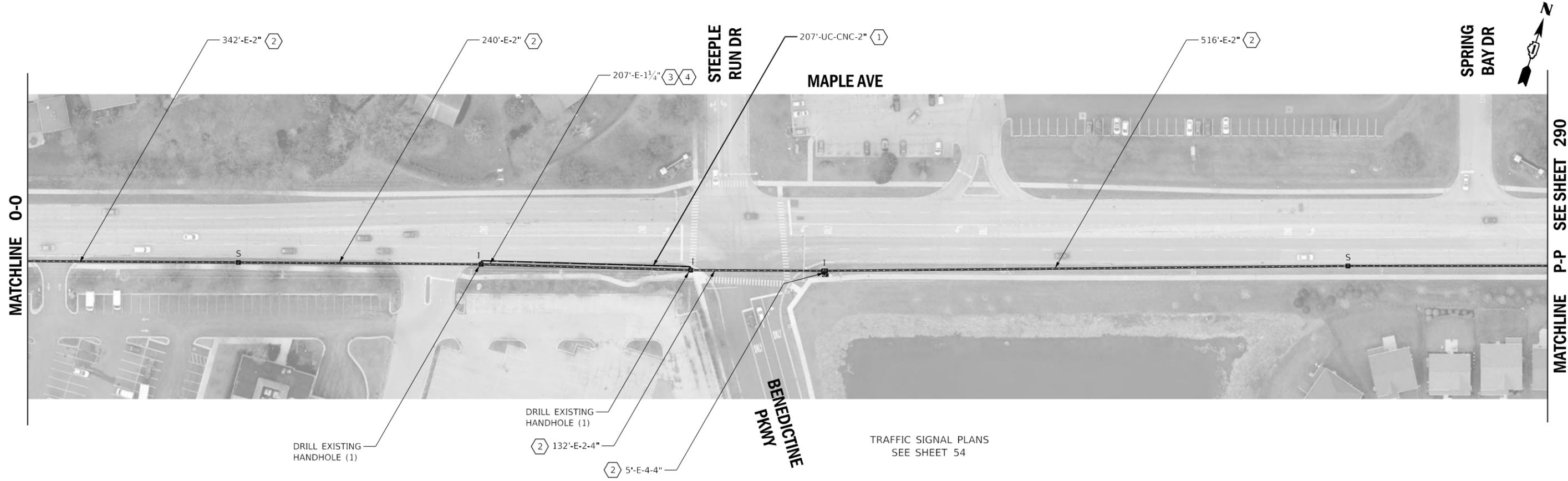


NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.

TRAFFIC SIGNAL PLANS
SEE SHEET 52

EX. INTERCONNECT
TO DUNROBIN RD



TRAFFIC SIGNAL PLANS
SEE SHEET 54

DRILL EXISTING
HANDHOLE (1)

DRILL EXISTING
HANDHOLE (1)



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 5 - CHICAGO AVE/MAPLE AVE

SCALE: 1"=50' SHEET 8 OF 13 SHEETS STA. TO STA.

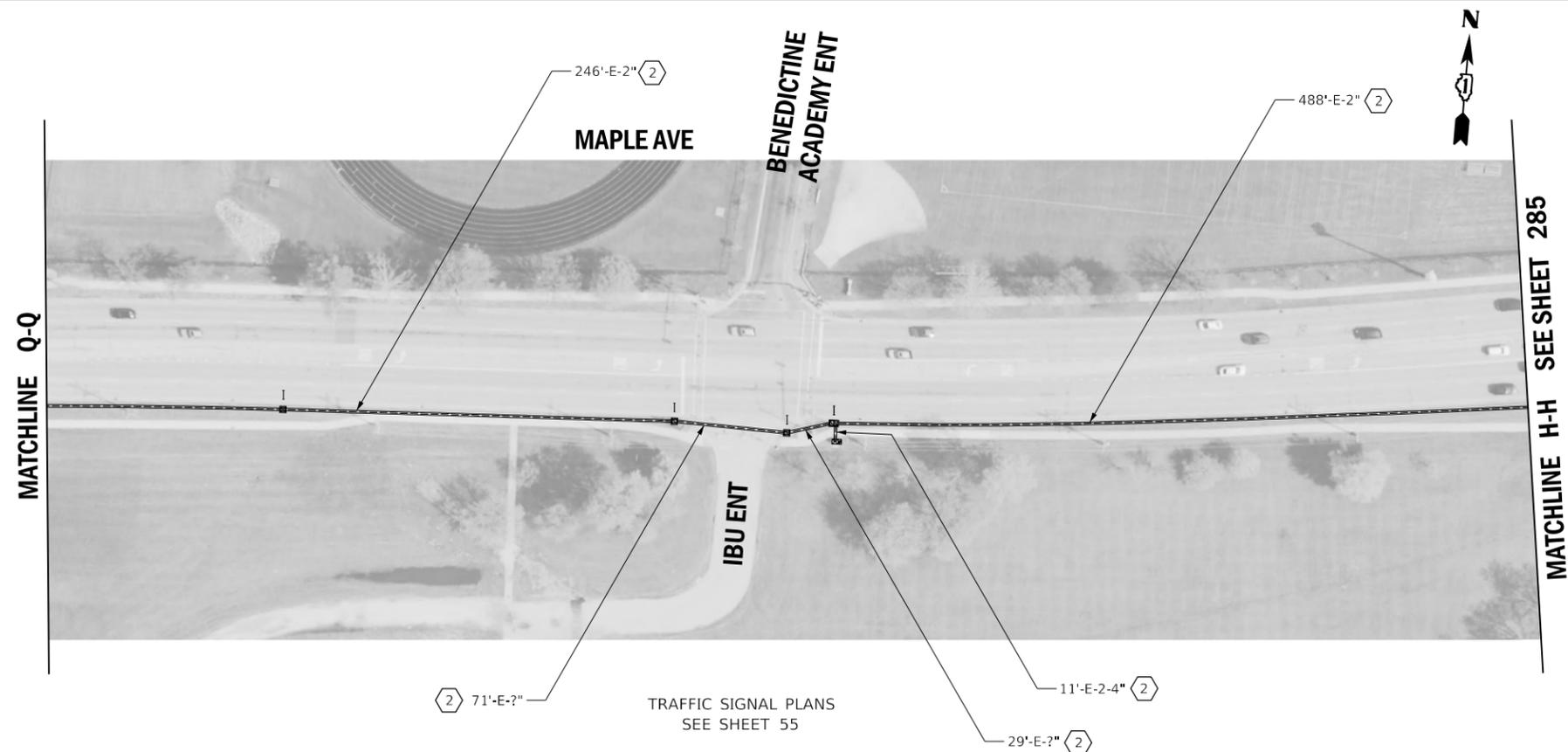
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	289
			CONTRACT NO. 61H22	
		ILLINOIS	FED. AID PROJECT	

FILE NAME = X:\Projects\GFL\2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\sh-Int-4oc5_Chicago.dgn Default



NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.



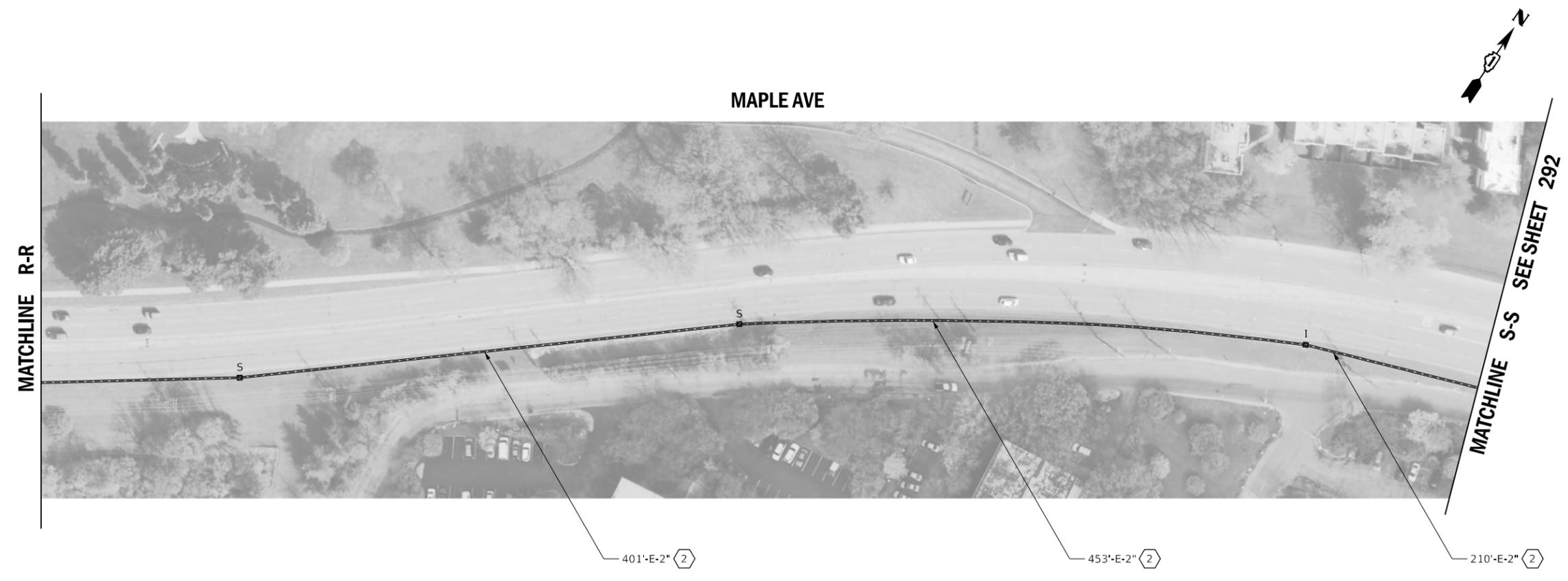
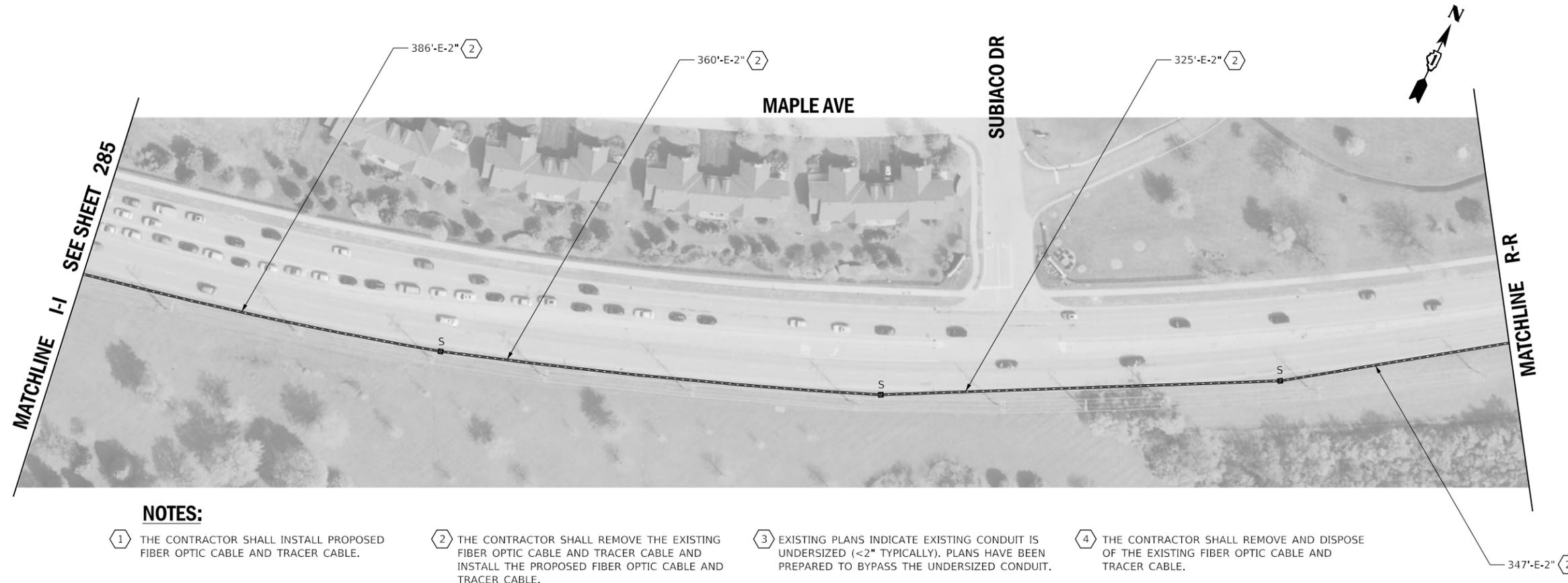
USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

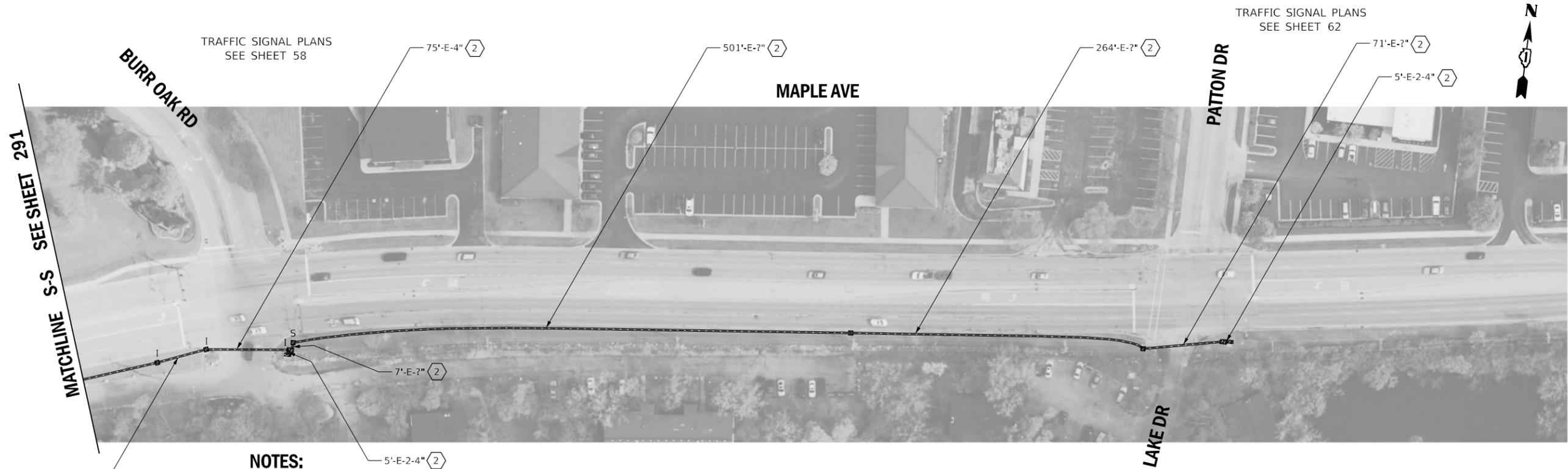
PROPOSED INTERCONNECT PLAN
AREA 5 - CHICAGO AVE/MAPLE AVE

SCALE: 1"=50' SHEET 9 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	290
			CONTRACT NO. 61H22	
		ILLINOIS	FED. AID PROJECT	



	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN AREA 5 - CHICAGO AVE/MAPLE AVE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -				VAR.	19-DCCSS-03-TL	DUPAGE	307	291	
PLOT DATE = 7/25/2021	DATE -	REVISED -	SCALE: 1"=50'		SHEET 10	OF 13 SHEETS	STA.	TO STA.	CONTRACT NO. 61H22			
FILE NAME = X:\Projects\GFL\2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\sh-ht-loc5_Chicago.dgn					ILLINOIS FED. AID PROJECT							



TRAFFIC SIGNAL PLANS
SEE SHEET 58

TRAFFIC SIGNAL PLANS
SEE SHEET 62

MATCHLINE S-S SEE SHEET 291

NOTES:

- ① THE CONTRACTOR SHALL INSTALL PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE.
- ③ EXISTING PLANS INDICATE EXISTING CONDUIT IS UNDERSIZED (<2" TYPICALLY). PLANS HAVE BEEN PREPARED TO BYPASS THE UNDERSIZED CONDUIT.
- ④ THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE.



USER NAME = rgeorgescu	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 7/25/2021	DATE -	REVISED -

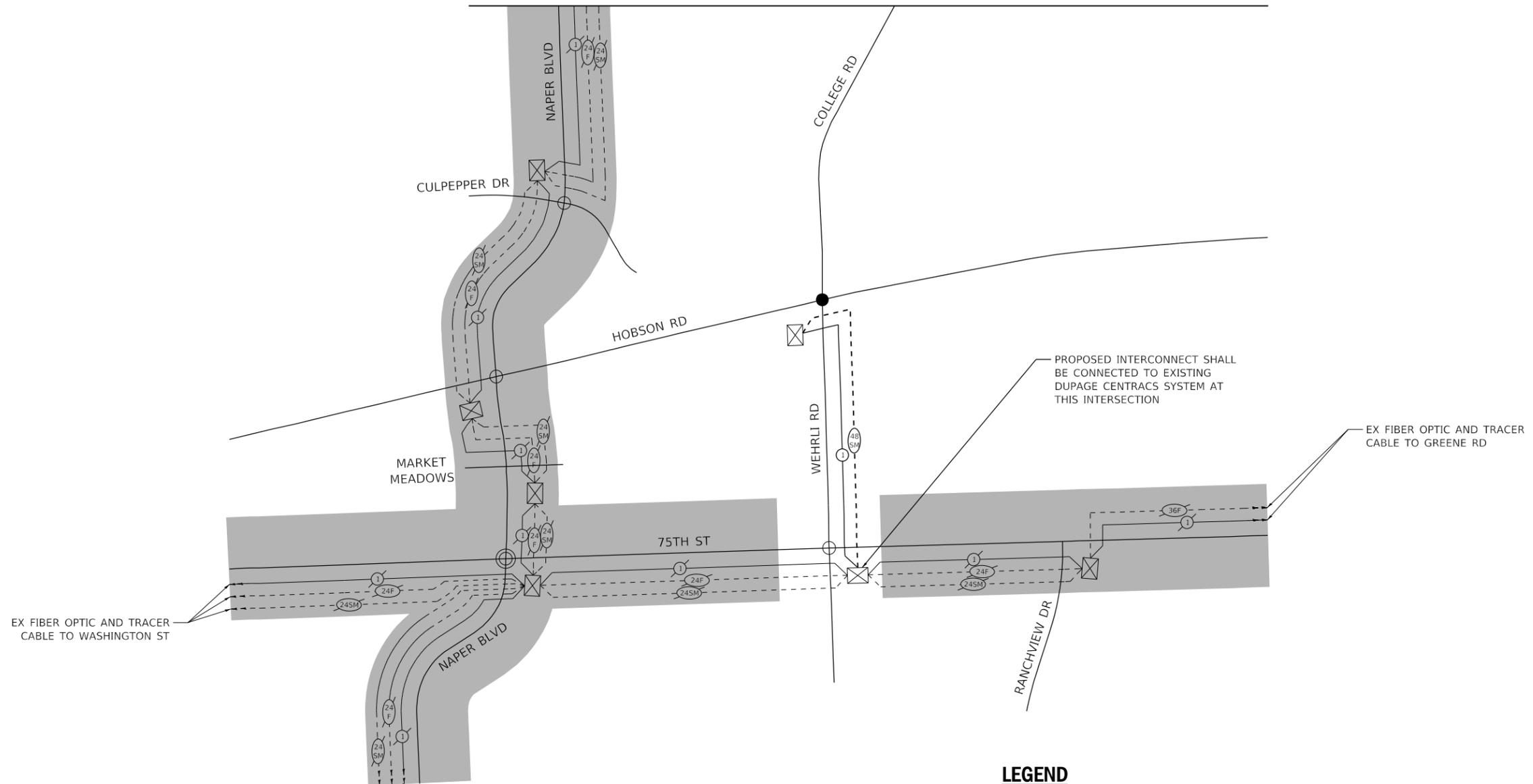
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
AREA 5 - CHICAGO AVE/MAPLE AVE

SCALE: 1"=50' SHEET 11 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	292
			CONTRACT NO. 61H22	
		ILLINOIS	FED. AID PROJECT	

AREA 5 MATCHLINE A-A



LEGEND

EXISTING	PROPOSED	
		ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM12F
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM24F
		FIBER OPTIC CABLE, 24 SINGLE MODE
		FIBER OPTIC CABLE, 48 SINGLE MODE
		PAN, TILT, ZOOM (PTZ) CAMERA
		OUTSIDE PROJECT LIMITS
		LAYER III SWITCH

EX FIBER OPTIC AND TRACER CABLE TO WASHINGTON ST

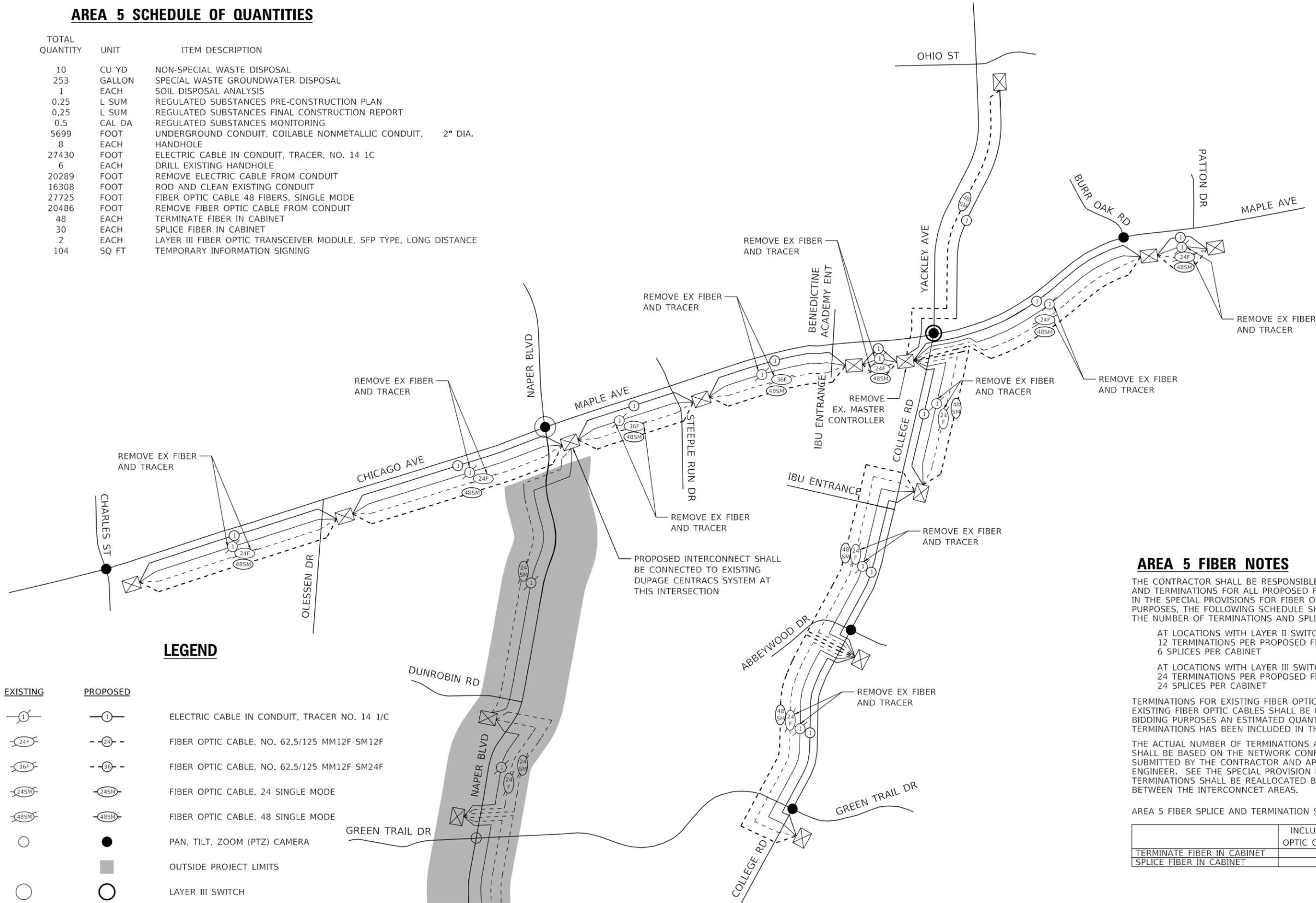
EX FIBER OPTIC AND TRACER CABLE TO BAILEY RD

PROPOSED INTERCONNECT SHALL BE CONNECTED TO EXISTING DUPAGE CENTRACS SYSTEM AT THIS INTERSECTION

EX FIBER OPTIC AND TRACER CABLE TO GREENE RD

AREA 5 SCHEDULE OF QUANTITIES

TOTAL QUANTITY	UNIT	ITEM DESCRIPTION
10	CU YD	NON-SPECIAL WASTE DISPOSAL
253	GALLON	SPECIAL WASTE GROUNDWATER DISPOSAL
1	EACH	SOIL DISPOSAL ANALYSIS
0.25	L SUM	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN
0.25	L SUM	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT
0.5	CAL DA	REGULATED SUBSTANCES MONITORING
5699	FOOT	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.
8	EACH	HANDHOLE
27430	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C
6	EACH	DRILL EXISTING HANDHOLE
20289	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
16308	FOOT	ROD AND CLEAN EXISTING CONDUIT
27725	FOOT	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE
20486	FOOT	REMOVE FIBER OPTIC CABLE FROM CONDUIT
48	EACH	TERMINATE FIBER IN CABINET
30	EACH	SPLICE FIBER IN CABINET
2	EACH	LAYER III FIBER OPTIC TRANSCEIVER MODULE, SFP TYPE, LONG DISTANCE
104	SQ FT	TEMPORARY INFORMATION SIGNING



LEGEND

EXISTING	PROPOSED	DESCRIPTION
		ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM12F
		FIBER OPTIC CABLE, NO. 62.5/125 MM12F SM24F
		FIBER OPTIC CABLE, 24 SINGLE MODE
		FIBER OPTIC CABLE, 48 SINGLE MODE
		PAN, TILT, ZOOM (PTZ) CAMERA
		OUTSIDE PROJECT LIMITS
		LAYER III SWITCH

AREA 5 FIBER NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FIBER SPLICES AND TERMINATIONS FOR ALL PROPOSED FIBER OPTIC CABLES AS SPECIFIED IN THE SPECIAL PROVISIONS FOR FIBER OPTIC CABLES. FOR BIDDING PURPOSES, THE FOLLOWING SCHEDULE SHOULD BE USED TO ESTIMATE THE NUMBER OF TERMINATIONS AND SPLICES FOR THE PROPOSED FIBER:

AT LOCATIONS WITH LAYER II SWITCHES:
 12 TERMINATIONS PER PROPOSED FIBER OPTIC CABLE
 6 SPLICES PER CABINET

AT LOCATIONS WITH LAYER III SWITCHES:
 24 TERMINATIONS PER PROPOSED FIBER OPTIC CABLE
 24 SPLICES PER CABINET

TERMINATIONS FOR EXISTING FIBER OPTIC CABLES AND SPLICES BETWEEN EXISTING FIBER OPTIC CABLES SHALL BE PAID FOR SEPARATELY. FOR BIDDING PURPOSES AN ESTIMATED QUANTITY OF SPLICES AND TERMINATIONS HAS BEEN INCLUDED IN THE QUANTITIES.

THE ACTUAL NUMBER OF TERMINATIONS AND SPLICES AT EACH LOCATION SHALL BE BASED ON THE NETWORK CONFIGURATION DOCUMENT SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE TRAFFIC ENGINEER. SEE THE SPECIAL PROVISION LAYER III SWITCH. SPLICES AND TERMINATIONS SHALL BE REALLOCATED BY THE ENGINEER, AS NEEDED, BETWEEN THE INTERCONNECT AREAS.

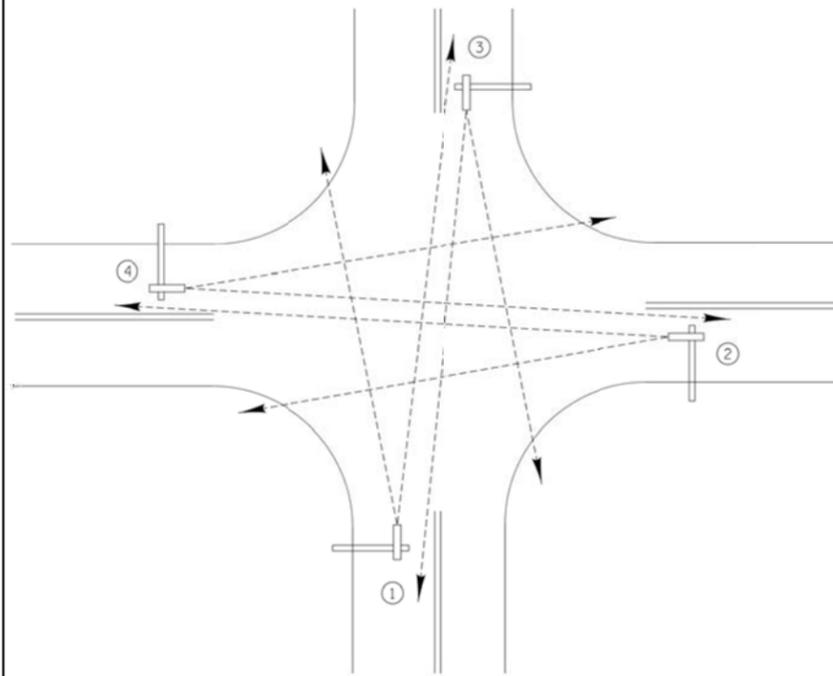
AREA 5 FIBER SPLICE AND TERMINATION SCHEDULE:

	INCLUDED IN FIBER OPTIC CABLE PAY ITEM	TO BE PAID FOR SEPARATELY
TERMINATE FIBER IN CABINET	156	48
SPLICE FIBER IN CABINET	90	30

AREA 5 MATCHLINE A-A

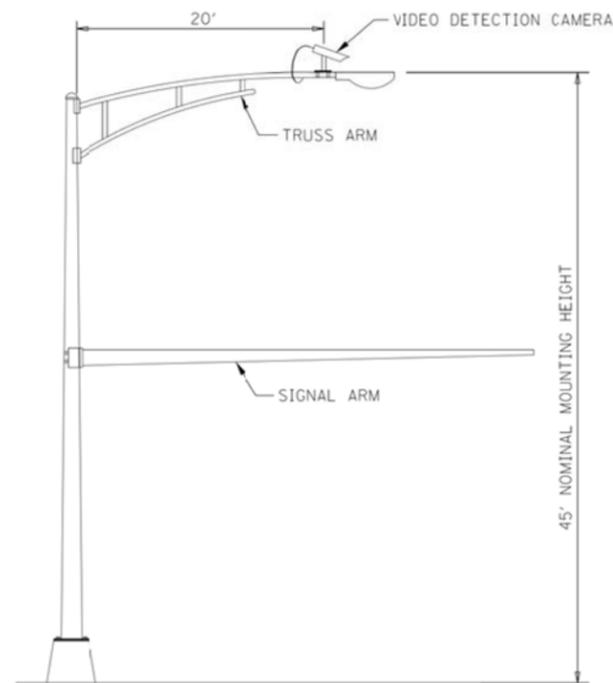
	USER NAME = rgeorgescu	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN INTERCONNECT SCHEMATIC - AREA 5	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1/2000.0000' / in.	CHECKED - ZH	REVISED -			VAR.	19-DCCSS-03-TL	DUPAGE	307	294
PLOT DATE = 7/25/2021	DATE -	REVISED -		SCALE: NTS	SHEET 13 OF 13 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 61H22		

FILE NAME = X:\Projects\IGLU2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\sh-int-schematics.dgn
 Area 5

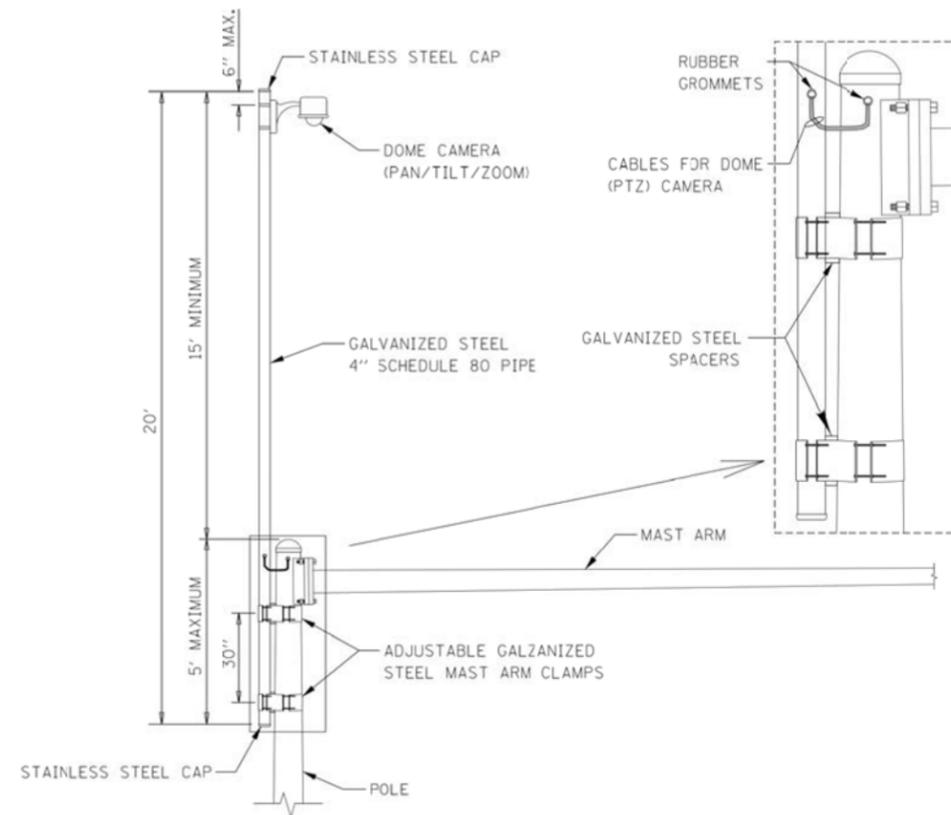


TYPICAL VIDEO VEHICLE DETECTION SYSTEM
(NOT TO SCALE)

(4) VIDEO DETECTION CAMERA ASSEMBLIES AND BRACKETS ① ② ③ ④

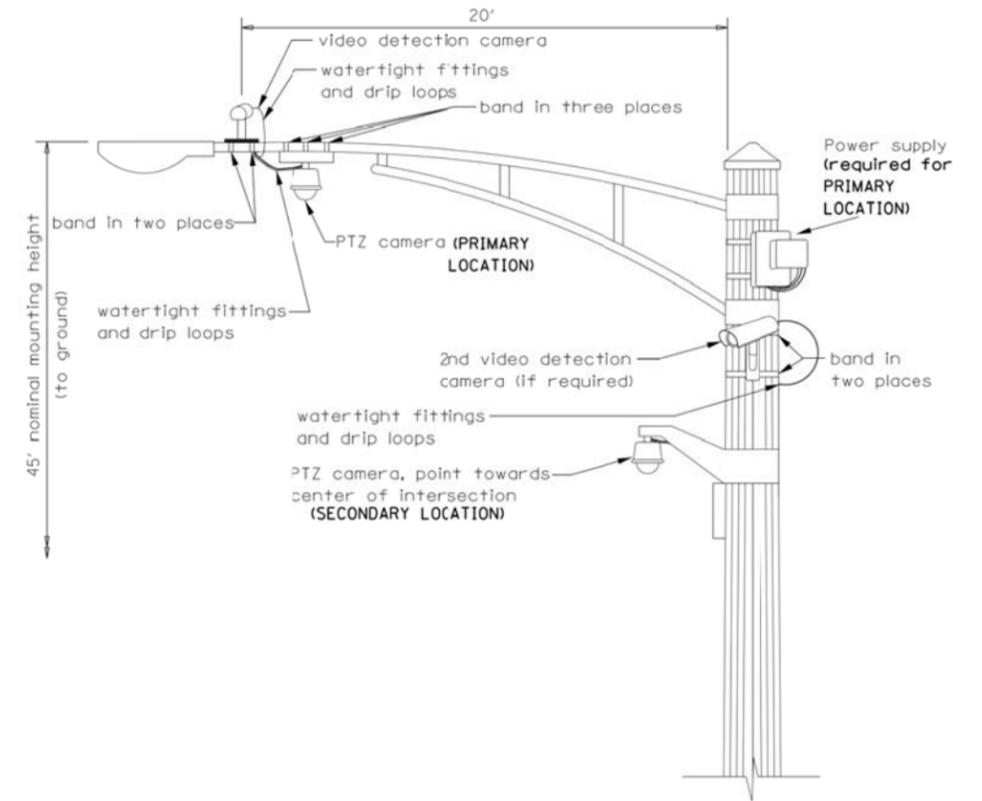


COMBINATION MAST ARM ASSEMBLY AND POLE DIMENSIONS
(NOT TO SCALE)



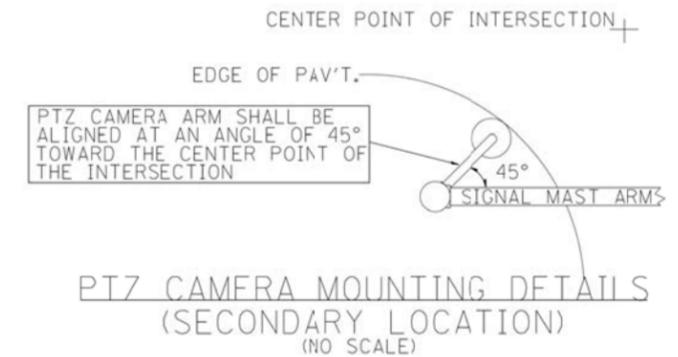
CAMERA MOUNTING ASSEMBLY DETAIL
(NOT TO SCALE)

- NOTES:**
- THE MAST ARM IS TAPERED.
 - INSTALL EXTENSION POLE VERTICAL AND PLUMB BY MODIFYING/INSTALLING BRACKETS AS NECESSARY. ADDITIONAL SPACERS REQUIRED ARE INCLUDED IN THE COST OF THE CAMERA MOUNTING ASSEMBLY OF THE TYPE SPECIFIED.
 - SPACERS ARE TO BE INTEGRATED OR MANUFACTURED WITH THE MAST ARM BRACKETS



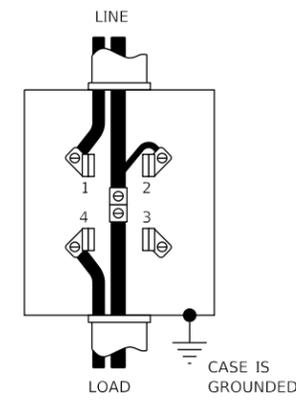
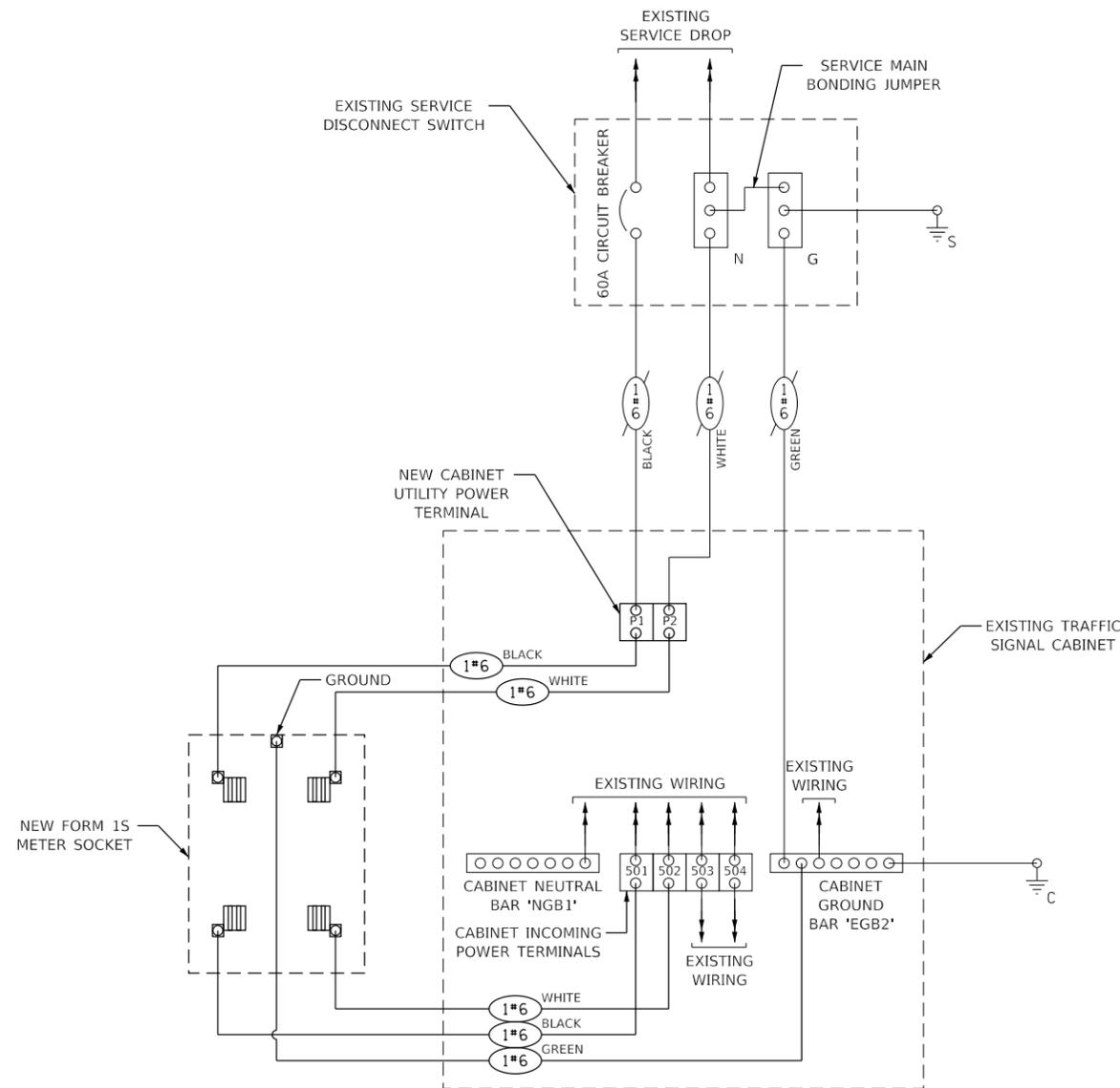
VIDEO DETECTION CAMERA(S) AND DOME (PTZ) CAMERA MOUNTING DETAIL
(NOT TO SCALE)

- NOTES FOR SINGLE, DUAL AND MULTIPLE CAMERA MOUNTING:**
- MOUNT LUMINAIRE MOUNTING BRACKET AS HIGH AS POSSIBLE.
 - MOUNT VIDEO DETECTION CAMERA AIMING DOWN TOWARD THE DIRECTION OF TRAFFIC TO BE DETECTED.



PTZ CAMERA MOUNTING DETAILS (SECONDARY LOCATION)
(NO SCALE)

USER NAME = rgeorgescu	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CAMERA MOUNTING DETAIL				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS	FED. AID PROJECT
PLOT DATE = 7/26/2021	CHECKED -	REVISED -										
	DATE -	REVISED -										



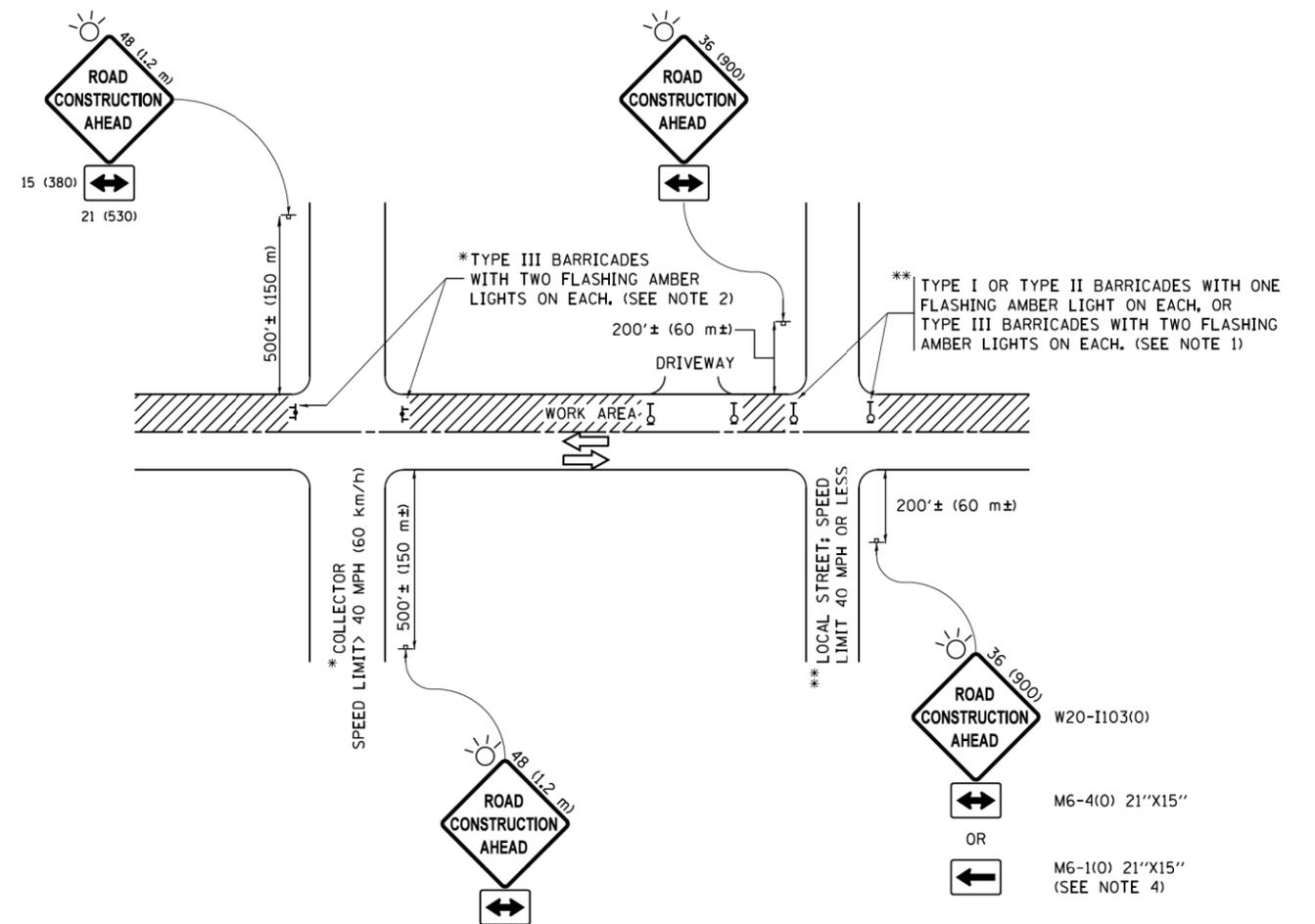
FORM 1S METER SOCKET DETAIL

TERMINALS 1 AND 2 ARE THE LINE SIDE FOR BOTH SOCKET AND A-BASE FITTINGS.
 TERMINALS 3 AND 4 ARE THE LOAD SIDE FOR BOTH SOCKET AND A-BASE FITTINGS.

CABINET WIRING MODIFICATIONS:

1. INSTALL NEW 60A, 600V, 2 POLE POWER TERMINAL BLOCK INSIDE CABINET AND MOUNT NEW METER SOCKET ON OUTSIDE OF CABINET.
2. MOVE EXISTING UTILITY POWER INCOMING CABLES FROM TB 501 & 502 TO NEW POWER TERMINAL BLOCK P1 AND P2.
3. WIRE FROM NEW POWER TERMINAL BLOCK P1 AND P2 TO LINE SIDE OF NEW METER SOCKET.
4. WIRE FROM LOAD SIDE OF NEW METER SOCKET TO TB 501 AND 502.

USER NAME = rgeorgescu PLOT SCALE = 40.0000 ' / in. PLOT DATE = 7/26/2021	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	METER SOCKET DETAIL		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	VAR.	19-DCCSS-03-TL	DUPAGE	307	296
	CHECKED -	REVISED -										CONTRACT NO. 61H22			
DATE -	REVISED -											ILLINOIS		FED. AID PROJECT	



NOTES:

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

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

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw\1\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\Dist1\084EBID\CADD\cadd\CADsheets\tc10.dgn		DRAWN	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50,000' / 1" =	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

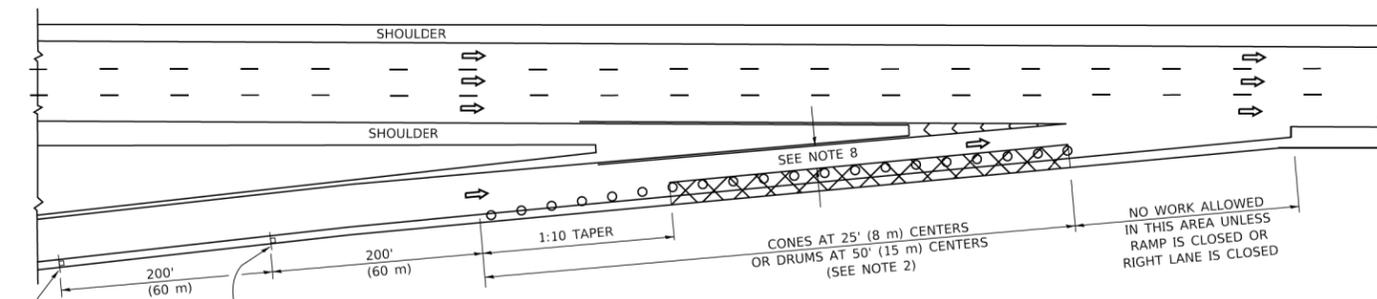
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

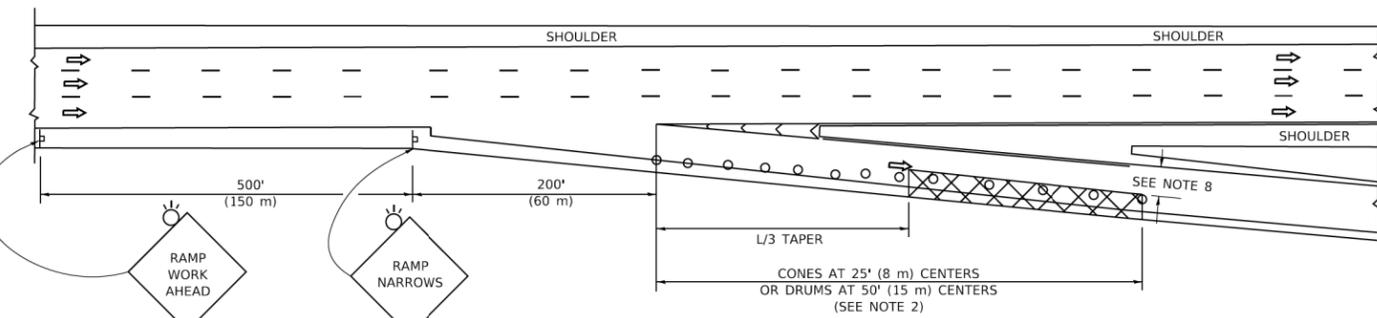
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	297
	TC-10		CONTRACT NO. 61H22	
		ILLINOIS	FED. AID PROJECT	

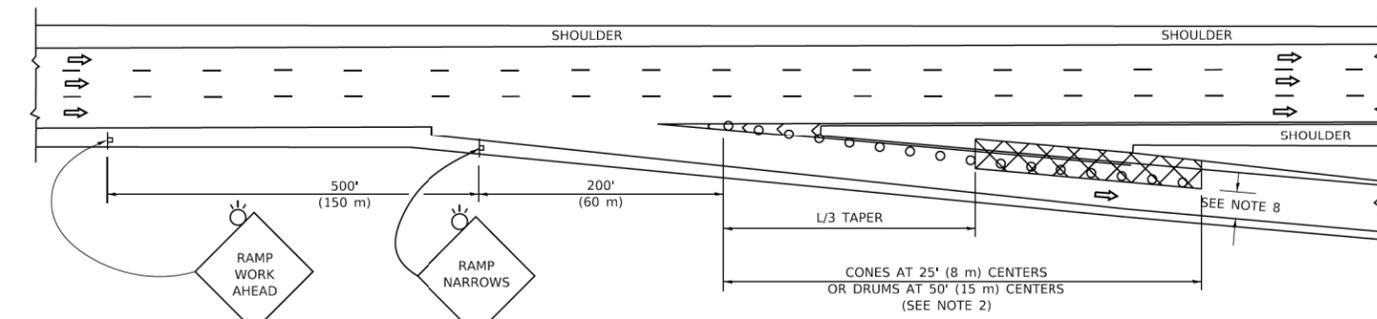
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

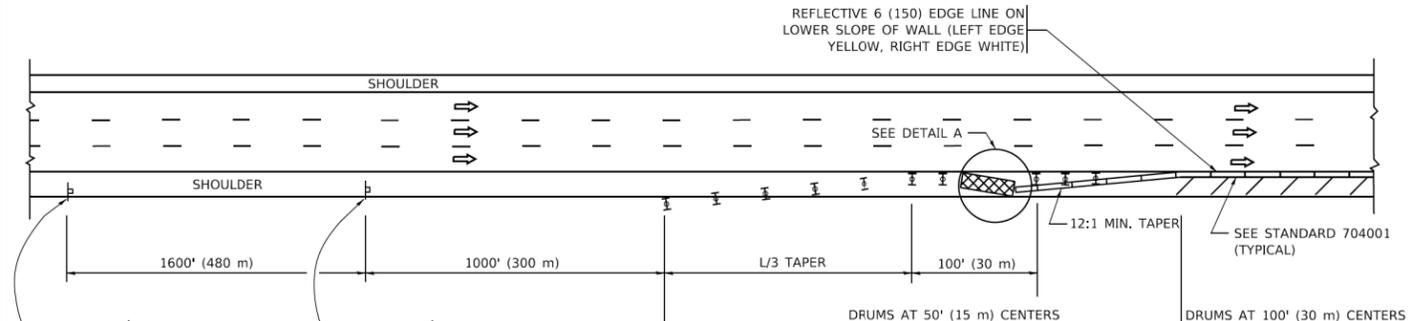
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

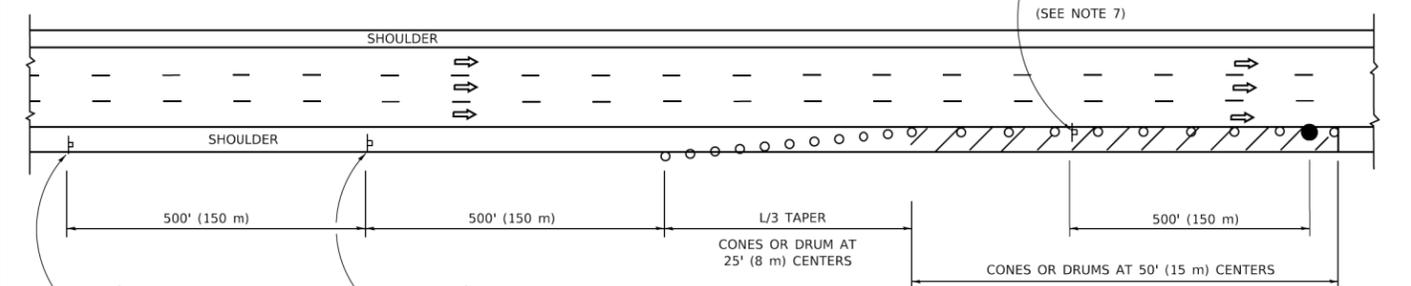
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(W/S)$ $L=(W/S)$
	$W =$ WIDTH OF OFFSET IN FEET (METERS)
	$S =$ NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

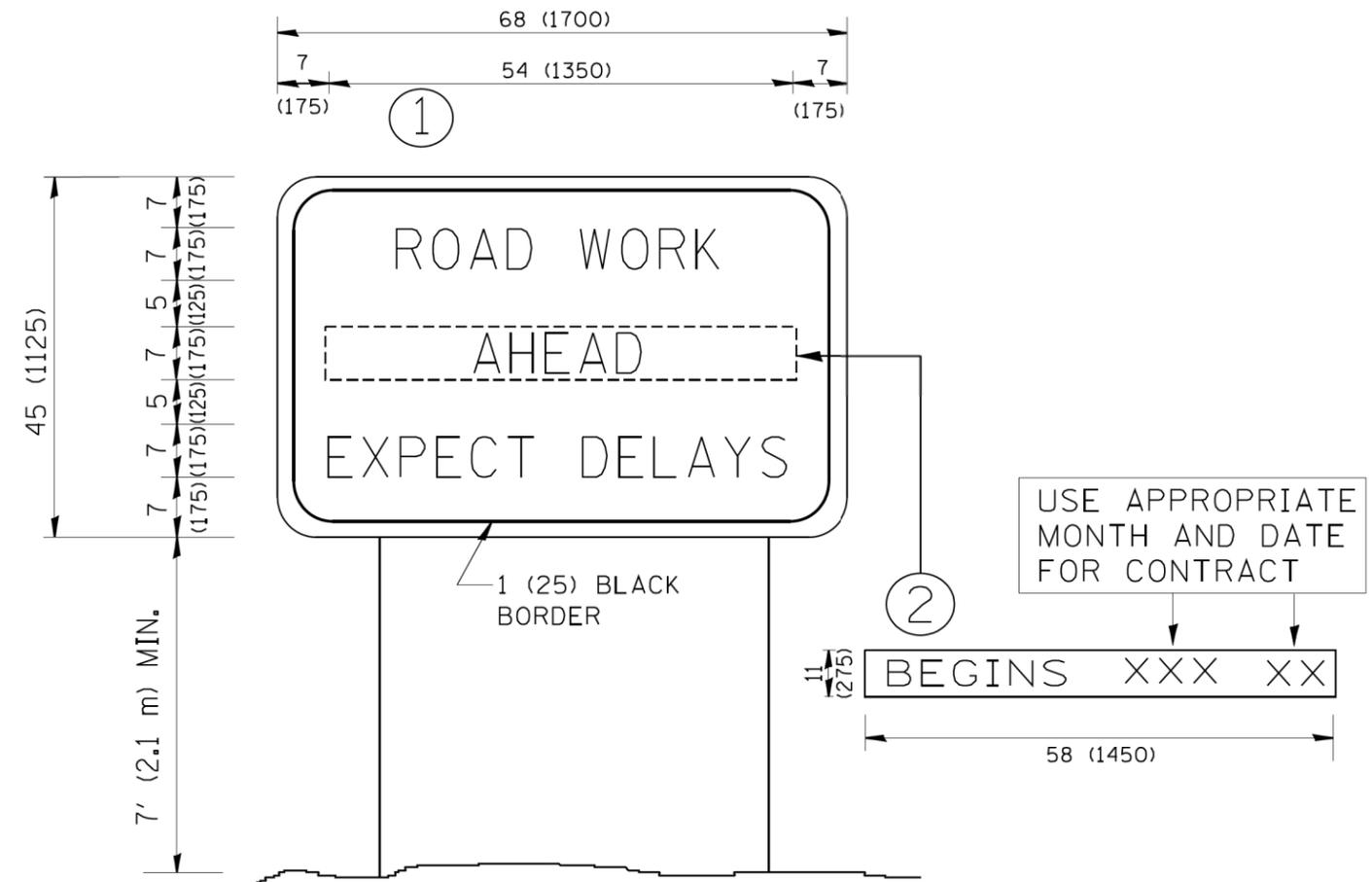
ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

DETAIL "A"
 IMPACT ATTENUATOR, TEMPORARY
 (SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
 16' MIN. WIDTH CURVE SECTION.

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

USER NAME = footemj DESIGNED - DRAWN - D.W.S. PLOT SCALE = 50,0000' / 1. PLOT DATE = 3/4/2019	DESIGNED - DRAWN - D.W.S. CHECKED - DATE - 11-96	REVISED - S.P.B. 01-07 REVISED - S.P.B. 12-09 REVISED - M.D. 06-13 REVISED - M.D. 01-18	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.	19-DCCSS-03-TL DUPAGE 307 299
SCALE: SHEET OF SHEETS STA. TO STA.				TC-17	ILLINOIS	FED. AID PROJECT
					CONTRACT NO. 61H22	SHEET NO.



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gegl1enobt	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. MIRS 12-11-97
	PLOT DATE = 1/4/2008	DATE -	REVISED - T. RAMMACHER 02-02-99
			REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCC55-03-TL	DUPAGE	307	300
TC-22		CONTRACT NO.	61H22	
ILLINOIS		FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

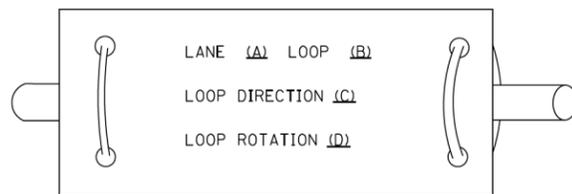
(NOT TO SCALE)

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

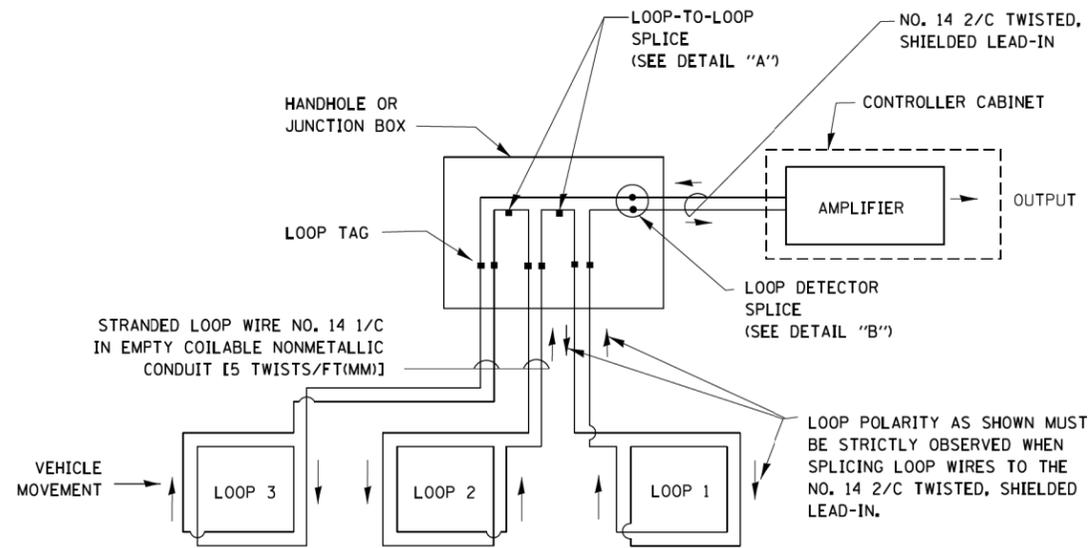
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

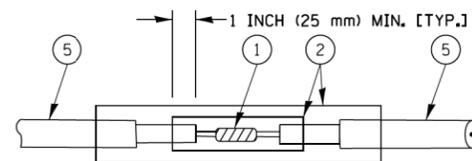


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

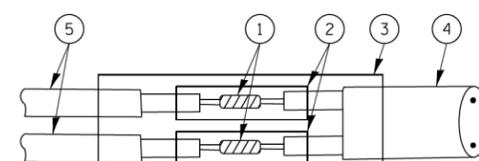


DETECTOR LOOP WIRING SCHEMATIC

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

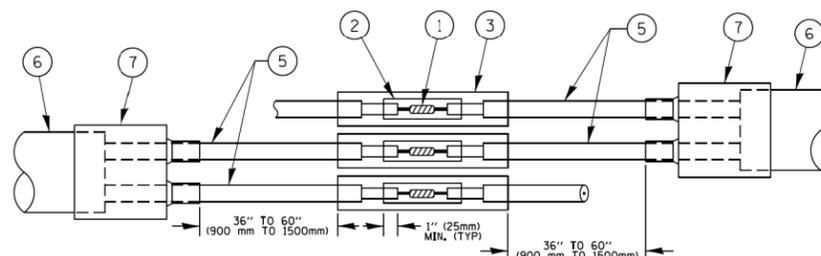


DETAIL "A"
LOOP-TO-LOOP SPLICE

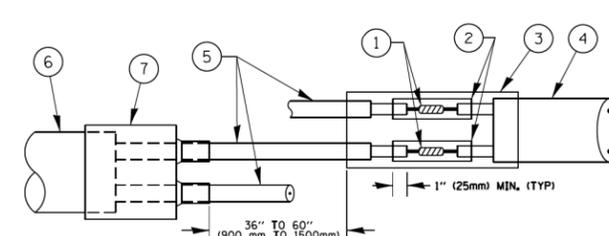


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

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

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\p\work\p\dot\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
	PLOT SCALE = 50.0000' / in.	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

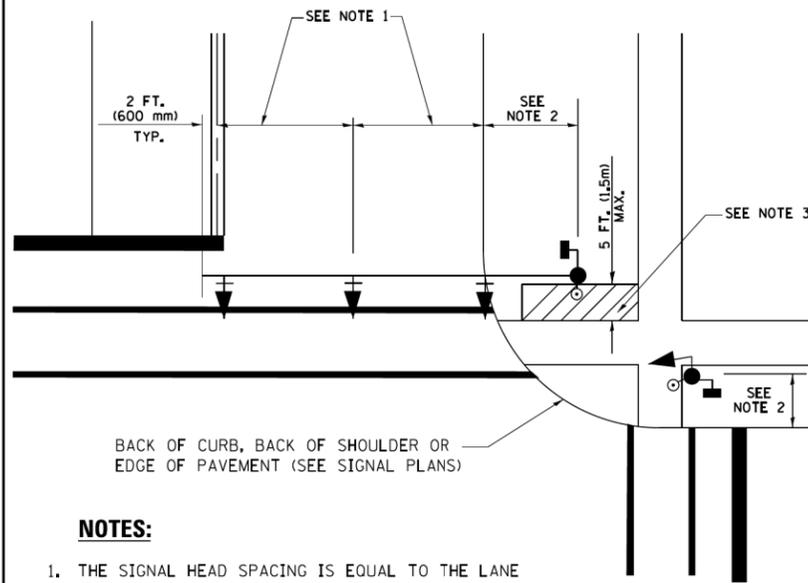
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-DCCSS-03-TL	DUPAGE	307	302
			CONTRACT NO.	61H22
ILLINOIS FED. AID PROJECT				

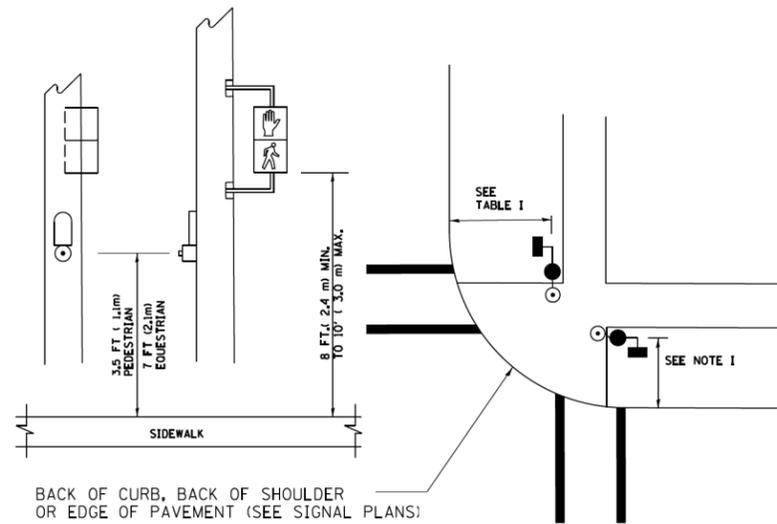
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



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."

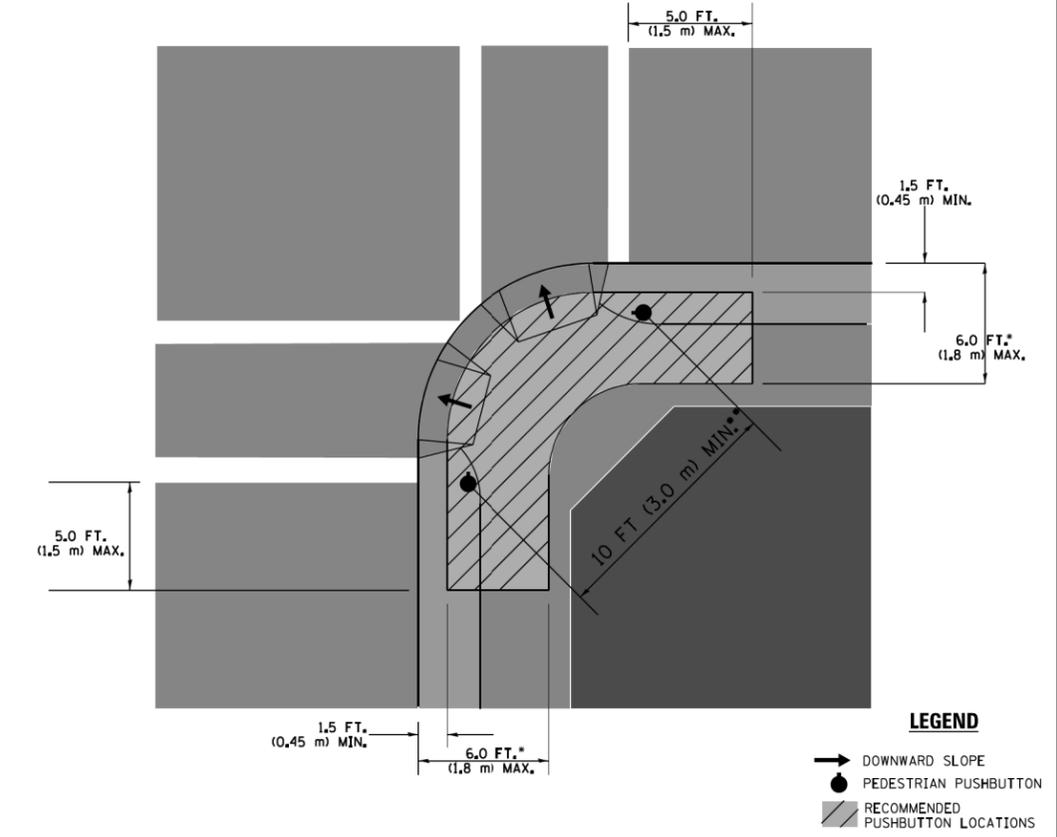
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



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:

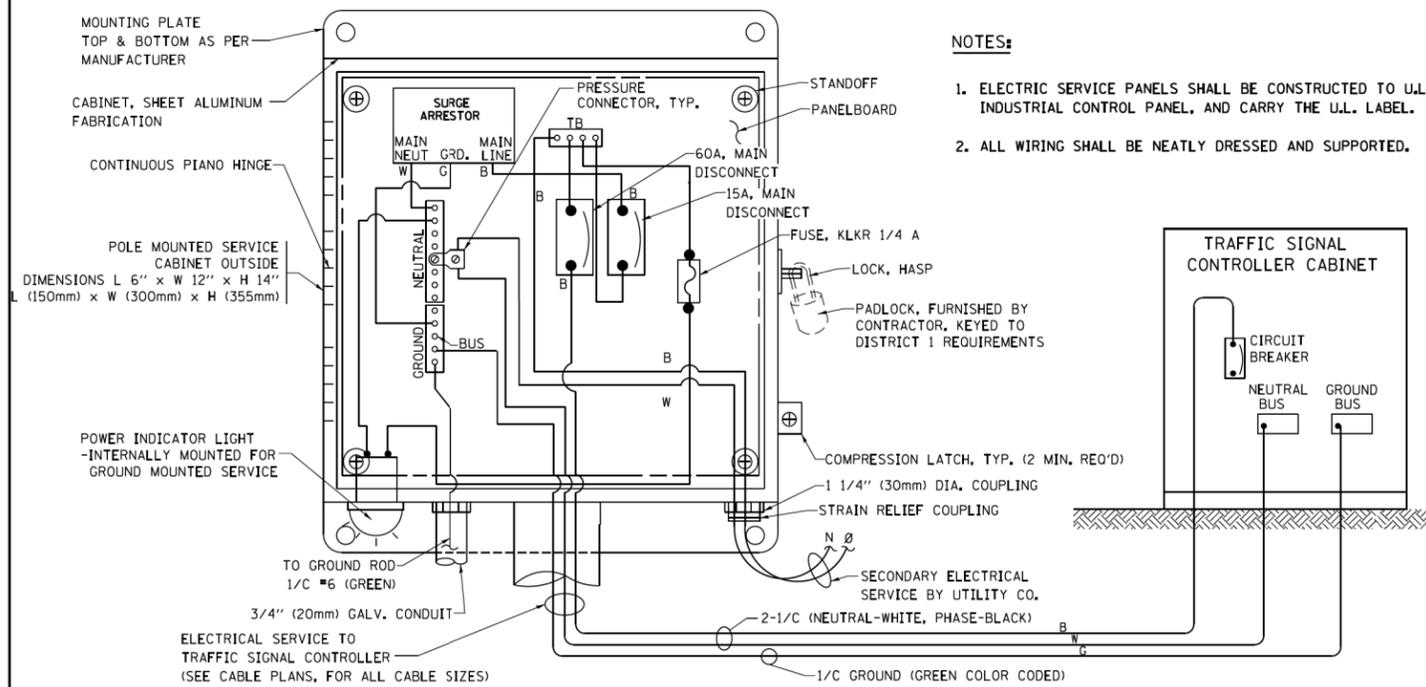
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM 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

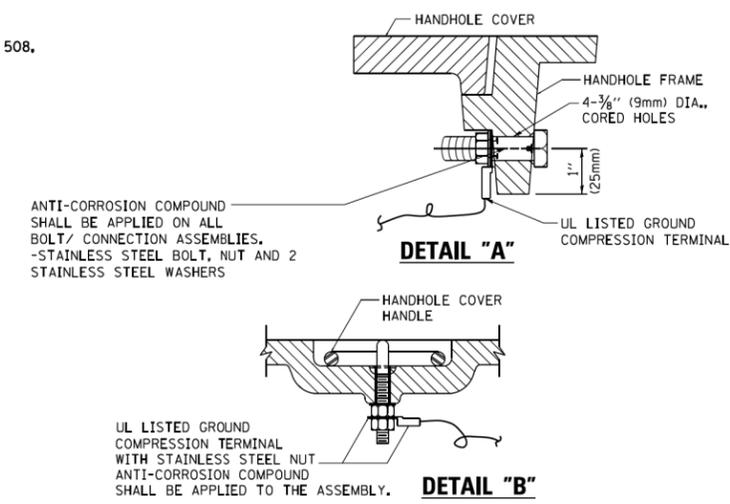
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

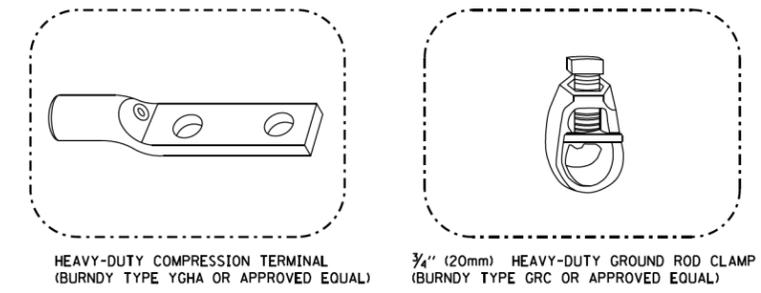
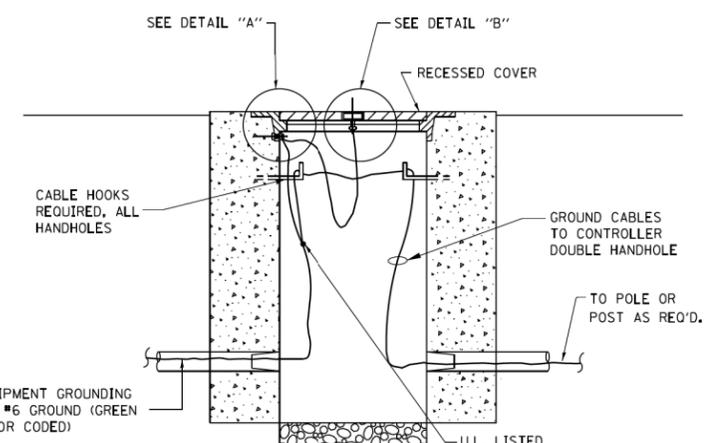


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)



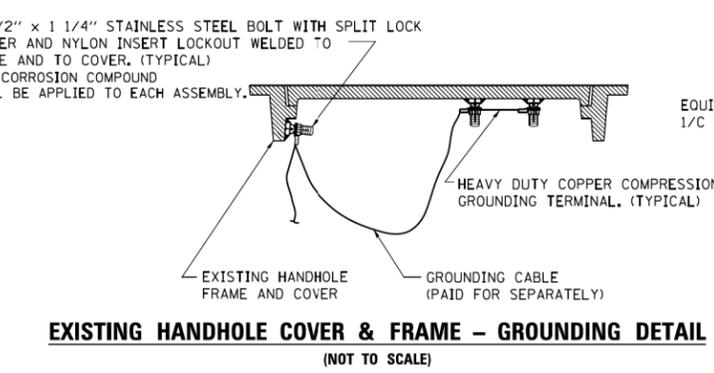
NOTES:
GROUNDING SYSTEM

- 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.

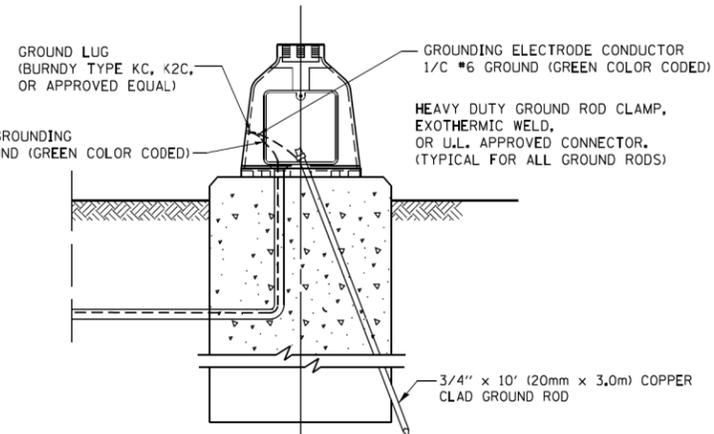


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

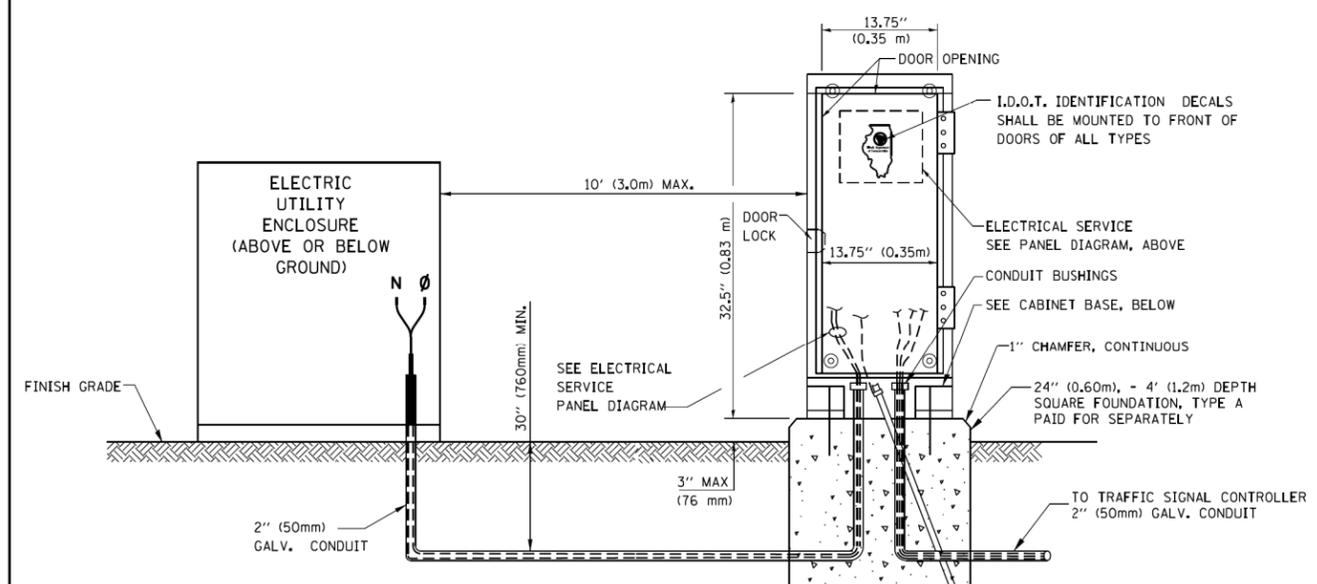
HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



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

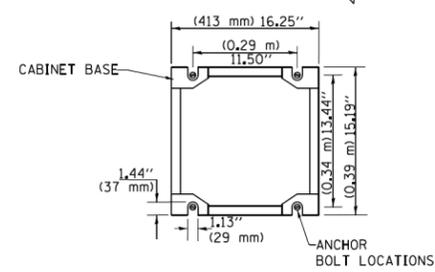


MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

CABINET - BASE BOLT PATTERN (NOT TO SCALE)



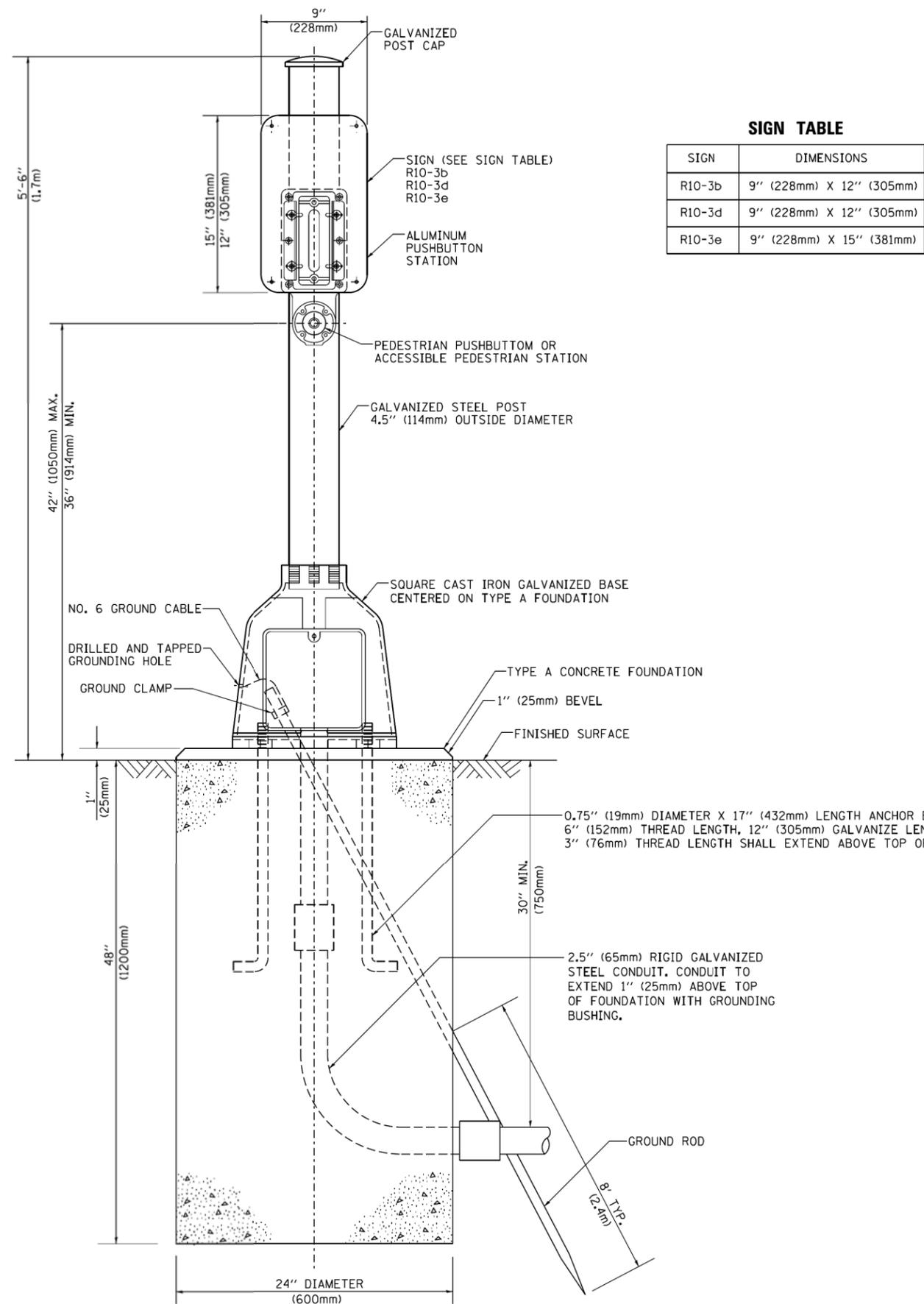
FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pwwork\pwwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -
FILE NAME = X:\Projects\IGLU2020\2082\216000 DuDOT CSS Exp\3000 Phase 2 CSS Exp 3\CADD_Sheets\st-District_Detail_TS05.dgn			

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

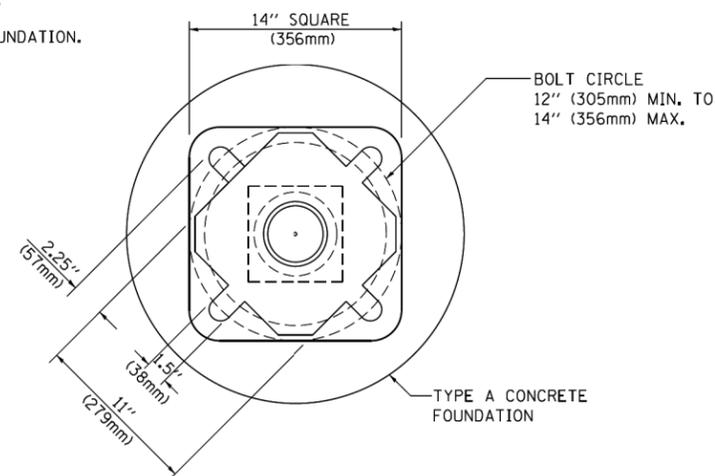
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	304
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H22	



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

FILE NAME =	USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14
ca:\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - GND	REVISED -
	PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	19-DCCSS-03-TL	DUPAGE	307	307
			CONTRACT NO. 61H22	
		ILLINOIS FED. AID PROJECT		