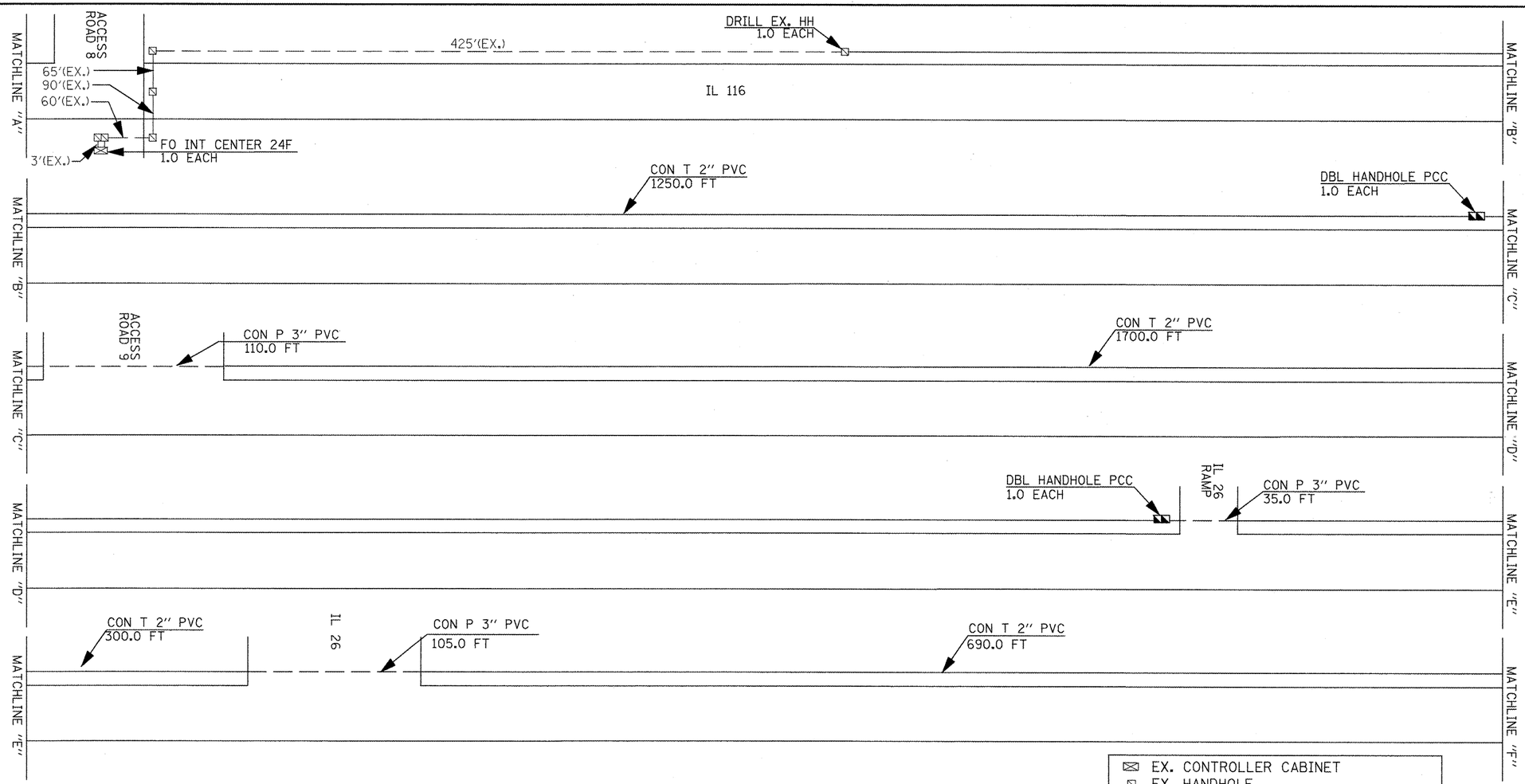

SLACK CABLE LENGTHS
DOUBLE HANDHOLE: 50.0 FT.
HANDHOLE: 10.0 FT.
CONTROLLER CABINET: 10.0 FT.

- EX. CONTROLLER CABINET
- EX. HANDHOLE
- EX. DOUBLE HANDHOLE
- EX. CONDUIT
- PROP. DOUBLE HANDHOLE, PCC
- PROP. CONDUIT, 2" PVC (TRENCHED)
- PROP. CONDUIT, 3" PVC (PUSHED)
- PROP. CONDUIT, 2" GALVS ATTACHED TO STRUCTURE

FIBER OPTIC SPLICING REQUIREMENTS

SIX SINGLE MODE CABLES SHALL BE SPLICED TO CREATE A CONTINUOUS FIBER LINK FROM THE SIGNAL CABINET AT IL 116 & ACCESS RD. 8 TO THE SIGNAL CABINET AT IL 116 & ARBOR VITAE DRIVE/SCHMITT LN.

FOUR SINGLE MODE CABLES SHALL BE SPLICED TO CREATE A CONTINUOUS FIBER LINK FROM THE SIGNAL CABINET AT IL 116 & ACCESS RD. 8 TO THE SIGNAL CABINET AT IL 116 & WOODLAND KNOLLS.

THE FIBERS AT EACH END OF THE LINKS SHALL BE TERMINATED WITH FUSION SPLICED ST CONNECTORS.

SIX MULTIMODE FIBERS SHALL BE TERMINATED IN EACH OF THE SIGNAL CABINETS LOCATED ALONG IL 116 AT WOODLAND KNOLLS, FANDEL, AND ARBOR VITAE/SCHMITT LN.

THE DISTANCES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE THE EXISTING FIELD CONDITIONS TO DETERMINE THE ACTUAL LENGTHS REQUIRED PRIOR TO ORDERING AND INSTALLING THE PROPOSED CONDUIT, HANDHOLES, AND FIBER OPTIC CABLE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE FIBER OPTIC CABLE.

SCHEDULE OF QUANTITIES
ITS FIBER SHEET 1 - IL 116 (ACCESS RD. 8 TO IL 26)

CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	3940.0
CONDUIT PUSHED, 3" DIA., PVC	FOOT	250.0
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	3940.0
DRILL EXISTING HANDHOLE	EACH	1.0
FIBER OPTIC INTERCONNECT CENTER, 24 FIBER	EACH	1.0
FIBER OPTIC CABLE IN CONDUIT, 62.5/125, MM12F SM24F	EACH	5033.0

• 101RS-3; 102RS-4; 103RS-4; 104RS-7 •• TAZEWELL & WOODFORD

TRAFFIC SIGNALS
SHEET 9 OF 15

FILE NAME = i1116.dgn	USER NAME = hudelsonee	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.9589 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ITS FIBER AND CONDUIT
SHEET 1 – IL 116 (ACCESS RD. 8 TO IL 26)

SCALE: Not to Scale | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	•	••	60	47
		CONTRACT NO. 68920		
		ILLINOIS FED. AID PROJECT		