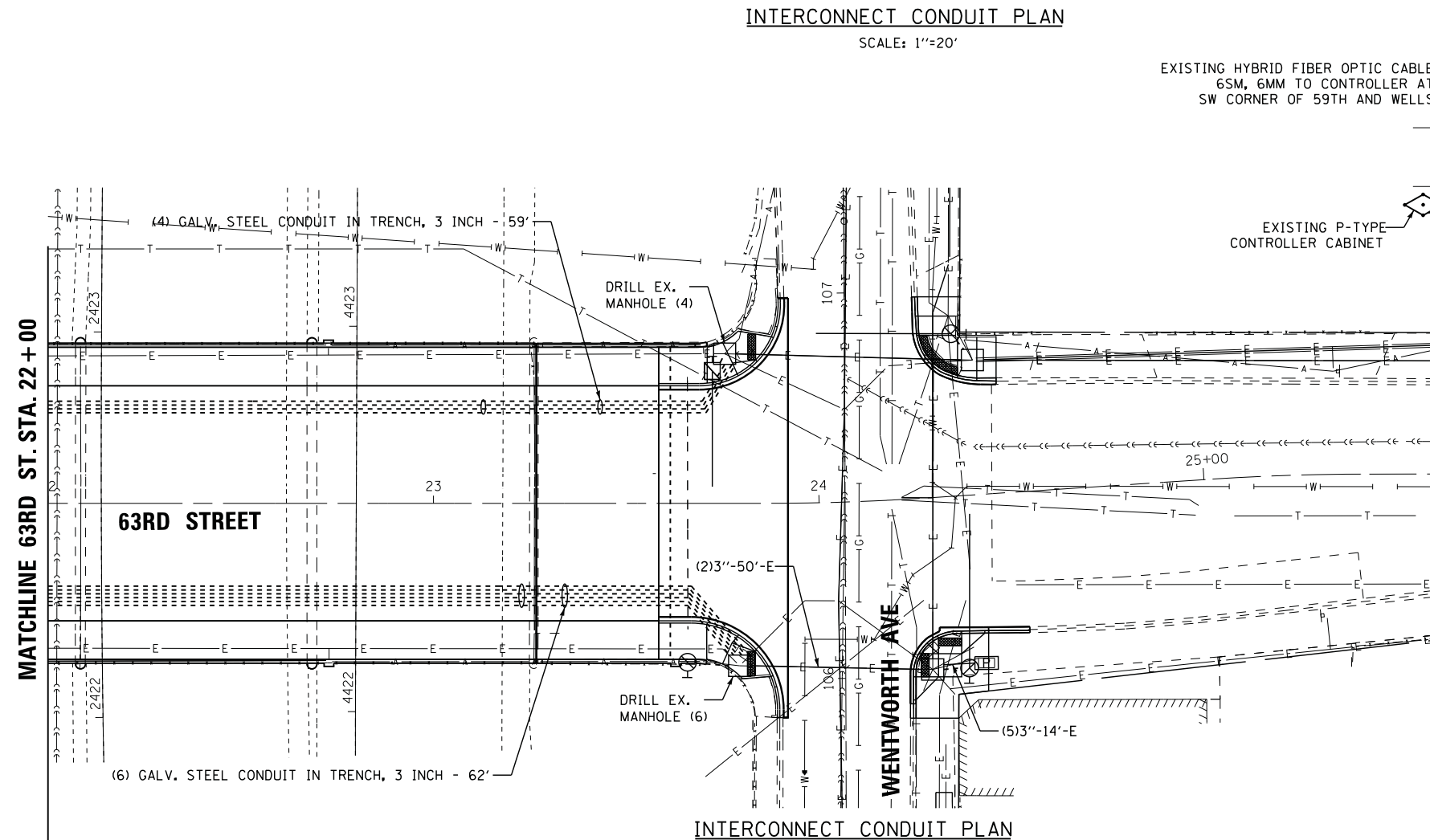
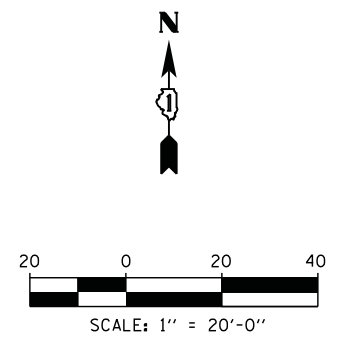


INTERCONNECT CONDUIT PLAN
 SCALE: 1"=20'



INTERCONNECT CONDUIT PLAN
 SCALE: 1"=20'

EXISTING HYBRID FIBER OPTIC CABLE
 6SM, 6MM TO CONTROLLER AT
 SW CORNER OF 59TH AND WELLS

EXISTING P-TYPE
 CONTROLLER CABINET

HYBRID FIBER OPTIC CABLE
 6SM, 6MM-693'
 INSIDE PROP. 1 1/4" INNER DUCT - 545'

EXISTING P-TYPE
 CONTROLLER CABINET

INTERCONNECT CABLE PLAN

NOTES:

1. OPTICAL SPLICES, OPTICAL TERMINATIONS, PIGTAILS, PATCHCORDS, MULTIMODE TO SINGLE MODE CONVERTERS, AND HARDWARE AND SOFTWARE REQUIRED, BUT NOT LIMITED TO A FULLY OPERATIONAL SYSTEM AS WELL AS A FUTURE CONNECTION TO A CLOSED LOOP SYSTEM, SHALL BE PAID FOR AS PART OF "CABINET WORK, SPLICING, TESTING AND MISC." ITEM.
2. ALL FIBER OPTIC CABLE RUNS SHALL BE CONTINUOUS FOR THE ENTIRE CORRIDOR WITH NO SPLICES EXCEPT AS APPROVED BY THE BUREAU OF ELECTRICITY.
3. AT NO TIME SHALL BEND RADII OR CABLE TENSION EXCEED THE CABLE MANUFACTURER'S SPECIFICATIONS UNDER LOAD AND NO LOAD CONDITIONS.
4. WITHIN MANHOLES, FIBER OPTIC CABLE SHALL BE WITHIN SPLIT FLEXIBLE INNER DUCT THAT IS NEATLY RACKED ON THE MANHOLE WALL.
5. AT THE MANHOLE ADJACENT TO EACH SIGNAL CONTROLLER, A MINIMUM 4-PAIRS OF THE MULTIMODE PIGTAIL SHALL BE SELECTIVELY FUSION SPLICED TO THE CORRESPONDING ACTIVE FIBERS OF THE CABLE RUN. THE PIGTAIL PAIRS MUST CONNECT TO THE FIBER PATCH PANEL IN THE CONTROLLER CABINET THROUGH SINGLE-MODE AND MULTI-MODE FIBERS, IF ANY, MUST NOT BE CUT.
6. ALL BARE FIBERS AND SPLICES MUST BE PROTECTED AND CONTAINED IN OPTICAL SPLICE TRAYS WITHIN THE ENVIRONMENTAL SPLICE ENCLOSURE, AS SPECIFIED.
7. A CABLE LOG MUST BE DEVELOPED BY THE CONTRACTOR AND INCLUDED IN CONTROLLER CABINET.
8. A TRACER WIRE (TRACER COPPER #10) MUST BE PLACED IN CONDUIT WITH FIBER OPTIC FOR UTILITY LOCATION PURPOSES.
9. ALL EXISTING 7-CONDUCTOR INTERCONNECT CABLE MUST BE REMOVED PRIOR TO INSTALLATION OF INNERDUCT.
10. SEE STRUCTURAL PLANS FOR EXACT LOCATION OF CONDUITS ATTACHED TO BRIDGE.
11. ALL CONDUIT SUPPORT SYSTEMS INCLUDING HARDWARE, MATERIALS AND INSTALLATION COST FOR THE CDOT 3" AND 2" GALVANIZED STEEL CONDUITS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "CONDUIT ATTACHED TO STRUCTURE,, 3" DIA. GALVANIZED STEEL". SEE SHEET E-5 FOR INSTALLATION DETAILS.

FILE NAME =	USER NAME = #USER#	DESIGNED - KMM	REVISED -
K:\Projects\11047\Design\CAD\Sheet Files\3INT.dgn		DRAWN - LV	REVISED -
PLOT SCALE = #SCALE#		CHECKED - JDH	REVISED -
PLOT DATE = 5/15/2013		DATE - 02-22-2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

63RD STREET INTERCONNECT PLAN			
YALE AVENUE TO WENTWORTH AVENUE			
SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	1920-B	COOK	137	33
				CONTRACT NO. 60J15
ILLINOIS FED. AID PROJECT				