TRAFFIC SIGNAL CONSTRUCTION SUMMARY

1. Detector loops on Illinois 17 are existing and will be removed by the milling operation. Replace the detector loops as shown.

2. Existing detector loop lead-in cable shall be tested prior to splicing onto the new detector loop. Existing detector loop lead-in testing good shall be reused. Testing of the existing lead-in cable shall be included in the price for Detector Loop Type I.

3. The northbound and southbound detector loops are new.

4. Install inductive loop detectors, harnesses, and necessary parts to place the new inductive loop detectors in operation.

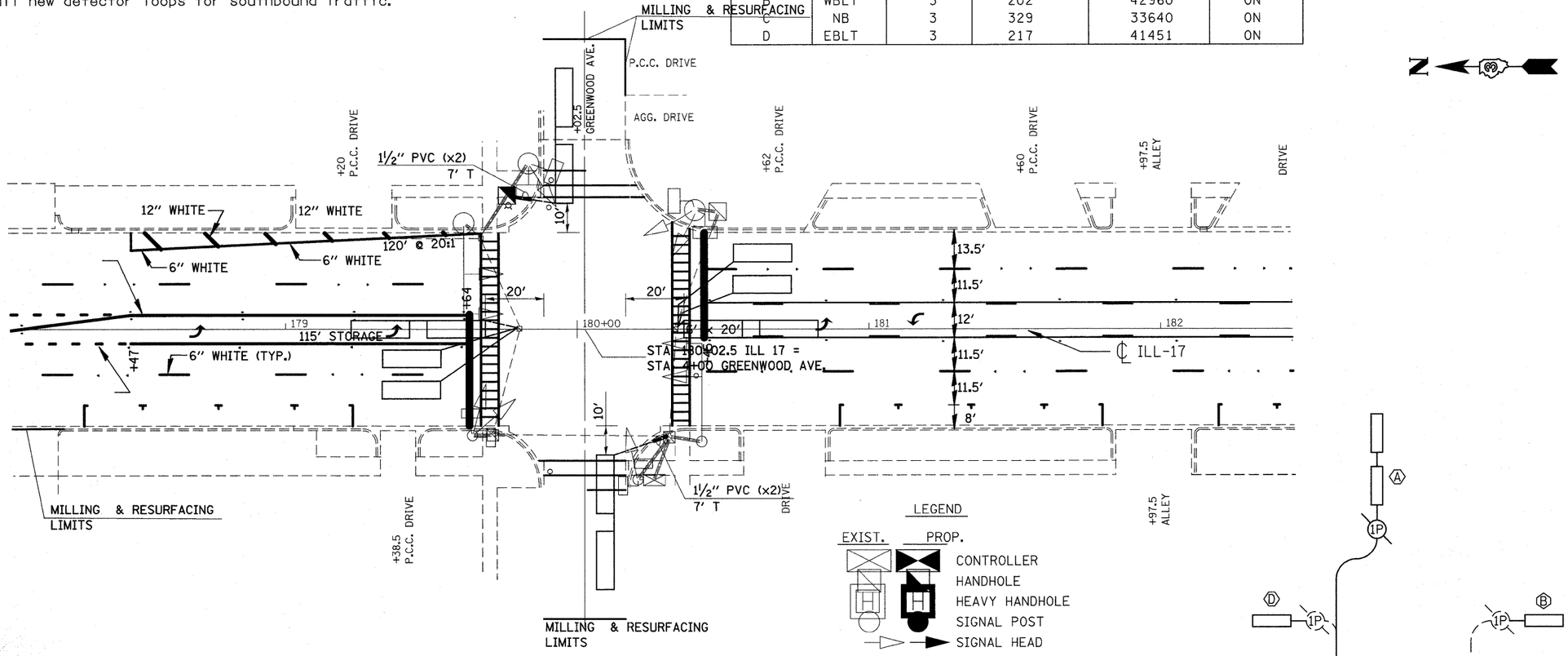
5. Southeast quadrant: Drill existng handhole to insert two 1-1/2" conduits for the tails of the new detectors.

6. Northwest quadrant: Remove sidewalk as necessary. Intercept the existng conduit with a new handhole. Install new detector loops for southbound traffic.

SCHEDULE OF QUANTITIES		
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	28
CONCRETE HANDHOLE	EACH	1
DRILL EXISTING HANDHOLE	EACH	2
INDUCTIVE LOOP DETECTOR (SPECIAL)	EACH	2
DETECTOR LOOP, TYPE I	FOOT	422
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	28
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	24
SIDEWALK REMOVAL	SQ FT	36
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	225

DETECTOR LOOP INDUCTANCE CHART
IL ROUTE 17 & GREENWOOD AVE

LOOP SYSTEM	LABEL	NO. OF TURNS	INDUCTANCE (uH)	FREQUENCY Hertz	J PIN STATUS
A	SB	3	368	31830	ON
B	WBLT	3	202	42960	ON
C	NB	3	329	33640	ON
D	EBLT	3	217	41451	ON



LEGEND

EXIST.	PROP.	
		CONTROLLER
		HANDHOLE
		HEAVY HANDHOLE
		SIGNAL POST
		SIGNAL HEAD
		SIGNAL HEAD W/ BACKPLATE
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSHBUTTON DETECTOR
		WOOD POLE
		GALV. STEEL CONDUIT
		JUNCTION BOX
		DETECTOR LOOP
		MICROWAVE DETECTOR
1P	1P	CABLE NUMBER

CABLE PLAN
IL. 17 & GREENWOOD AVE.

FOR INFORMATION ONLY

FILE NAME = c:\pw_work\pwidot\quigleyml\d0282391\ED06604-sht-details.dgn	USER NAME = leafjw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/20/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 17 AND GREENWOOD AVENUE
DETECTOR LOOP INFORMATION

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(1,1R-2)RS	KANKAKEE	54	41
		CONTRACT NO. 66477		
	ILLINOIS	FED. AID PROJECT		