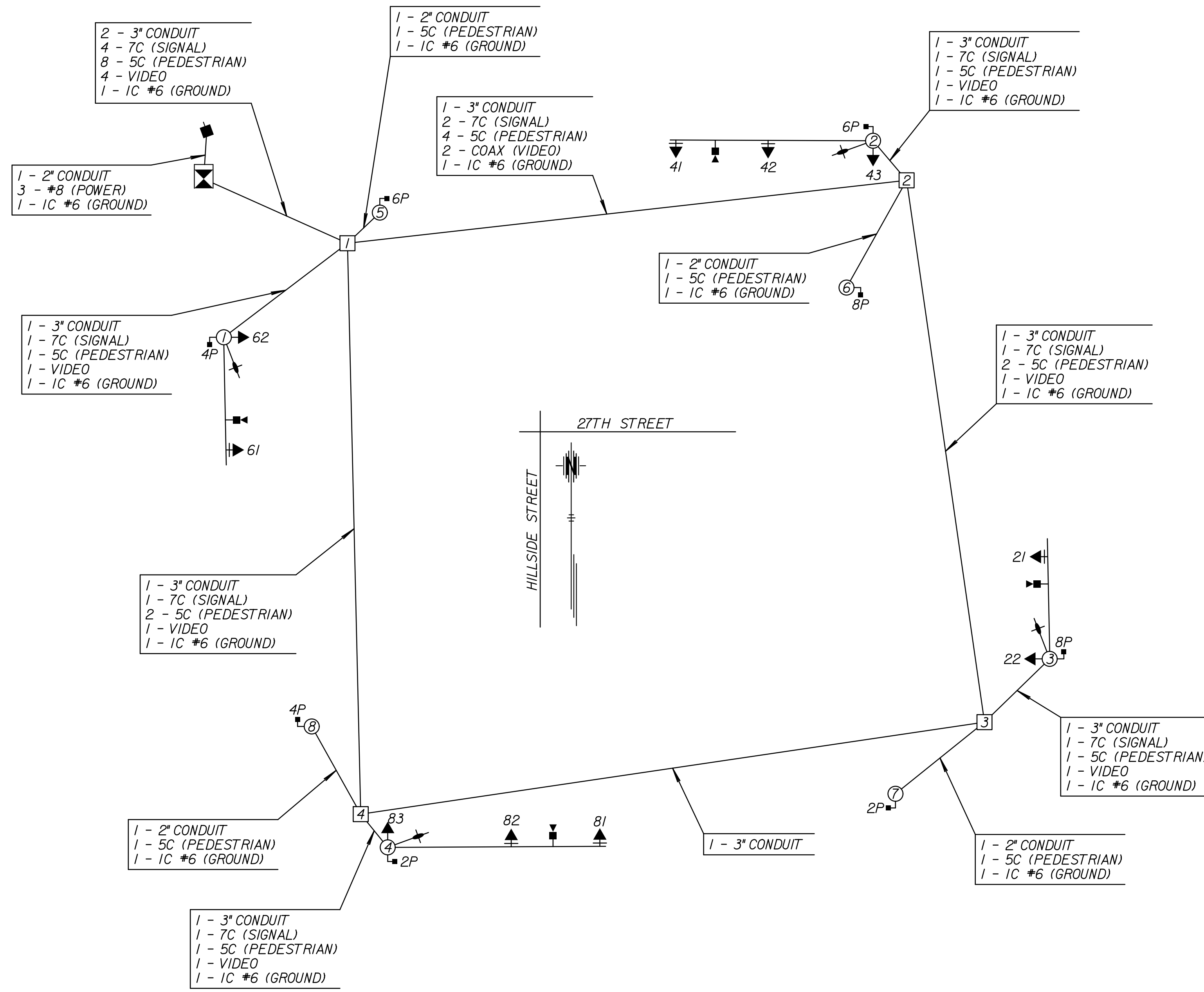


NOTES

1. IC GROUND WIRE SHALL BE AWG #6 GREEN SOLID COPPER WIRE IN ACCORDANCE WITH ASTM B-3, BONDED TO CONDUIT.
2. ALL WIRES SHALL BE AWG #14 UNLESS SPECIFIED OTHERWISE. ALL WIRE SHALL BE SOLID WIRE, STRANDED WIRE IS NOT ALLOWED.
3. VIDEO CABLES SHALL RUN CONTINUOUS. NO SPLICES WILL BE ALLOWED.
4. LUMINAIRES ON POLES 1-4 WILL BE SERVED OVERHEAD (BY OTHERS). CONTRACTOR SHALL PROVIDE LUMINAIRE ARM. LUMINAIRES & WIRING WILL BE COMPLETED BY OTHERS.
5. IN NO CASE SHALL MORE THAN 60% OF ANY CONDUIT BE FILLED. SEE POWER POLE AND SPAN POLE ASSEMBLY SHEET FOR MORE DETAILS.



DETECTOR SUMMARY									
DETECTOR NUMBER	LOOP OR DETECTION ZONE SIZE	VIDEO DETECTION	MICROWAVE DETECTION	INDUCTIVE LOOP (.3 TURNS)	TIMINGS (SEC)		MODE		COMMENTS
					STRETCH	DELAY	PULSE	PRESENCE	
21	6'X50'	X				2.0	X	2	I
41	6'X100'	X				2.0	X	4	I
42	6'X100'	X				6.0	X	4	I
61	6'X50'	X				2.0	X	6	I
81	6'X100'	X				2.0	X	8	I
82	6'X100'	X				6.0	X	8	I

LEGEND

VIDEO VIDEO POWER & COMMUNICATION CABLE
 ST. LT. STREET LIGHTING CABLE

PHASE	MINIMUM INITIAL	UNIT EXTENSION	*MAXIMUM GREEN	SUGGESTED TIMINGS (SEC.)				
				PEDESTRIAN			CLEARANCE	
				WALK	FDW	SDW	YELLOW	ALL RED
2	6	2.0	30.0	9.0	14.0	3.0	3.2	2.3
4	6	2.0	49.0	7.0	9.0	3.0	3.9	1.4
6	6	2.0	30.0	7.0	15.0	3.0	3.3	2.3
8	6	2.0	49.0	8.0	9.0	3.0	3.9	1.4

CLEARANCE DESIGN SPEEDS:
 27TH STREET = 30 MPH
 HILLSIDE STREET = 40 MPH

*MAXIMUM GREEN IS FOR NON-PEDESTRIAN CALLS ONLY. PEDESTRIAN PHASING SHALL EXTEND PHASE WHEN CALLED IF APPROPRIATE

EMERGENCY FLASH	
PHASE	INDICATION
2	Red
4	Red
6	Red
8	Red
Pedestrian	Dark

CONSULTANTS:

27TH STREET & HILLSIDE STREET
 SIGNALIZATION IMPROVEMENTS

CITY OF WICHITA, KANSAS



REVISIONS:	MARK	DATE	DESCRIPTION

PROJ NO: P125130050
 SCALE: N.T.S.
 DATE: 9/29/2015
 DESIGNED BY: TAU
 DRAWN BY: TAU
 CHECKED BY: SGE

SHEET TITLE:
 27TH & HILLSIDE
 SIGNALIZATION IMPROVEMENTS
 WIRING DIAGRAM

SHEET NO.
 11
 SHEET 11 OF 26