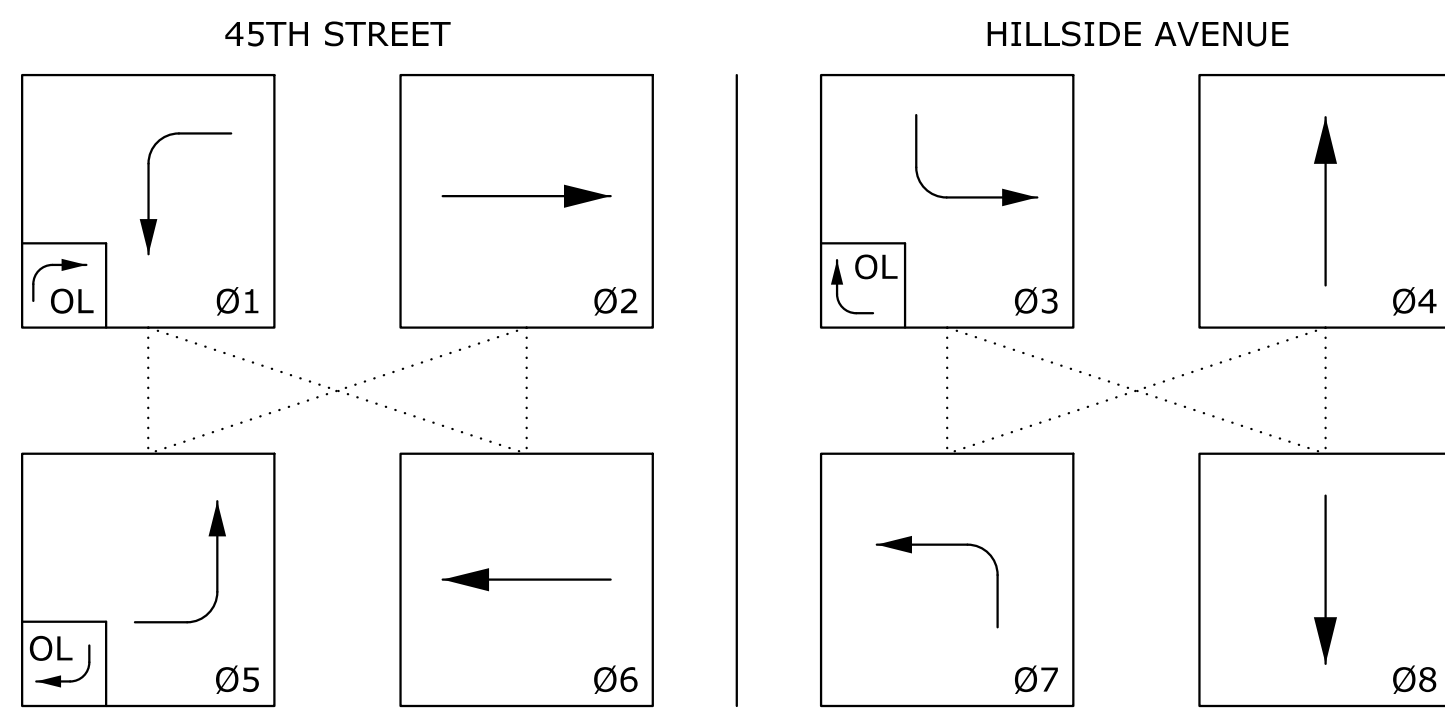
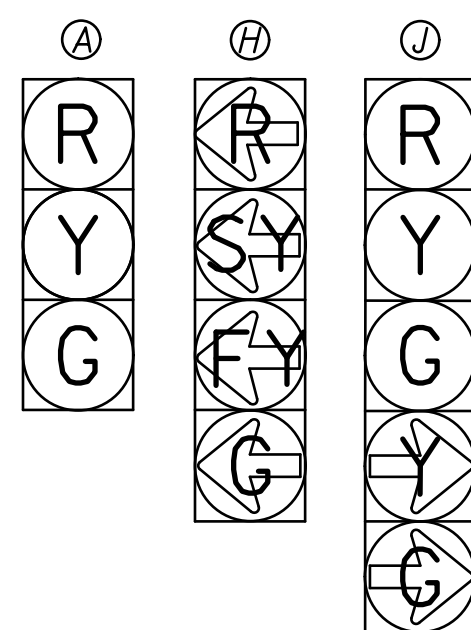


PHASE DIAGRAM

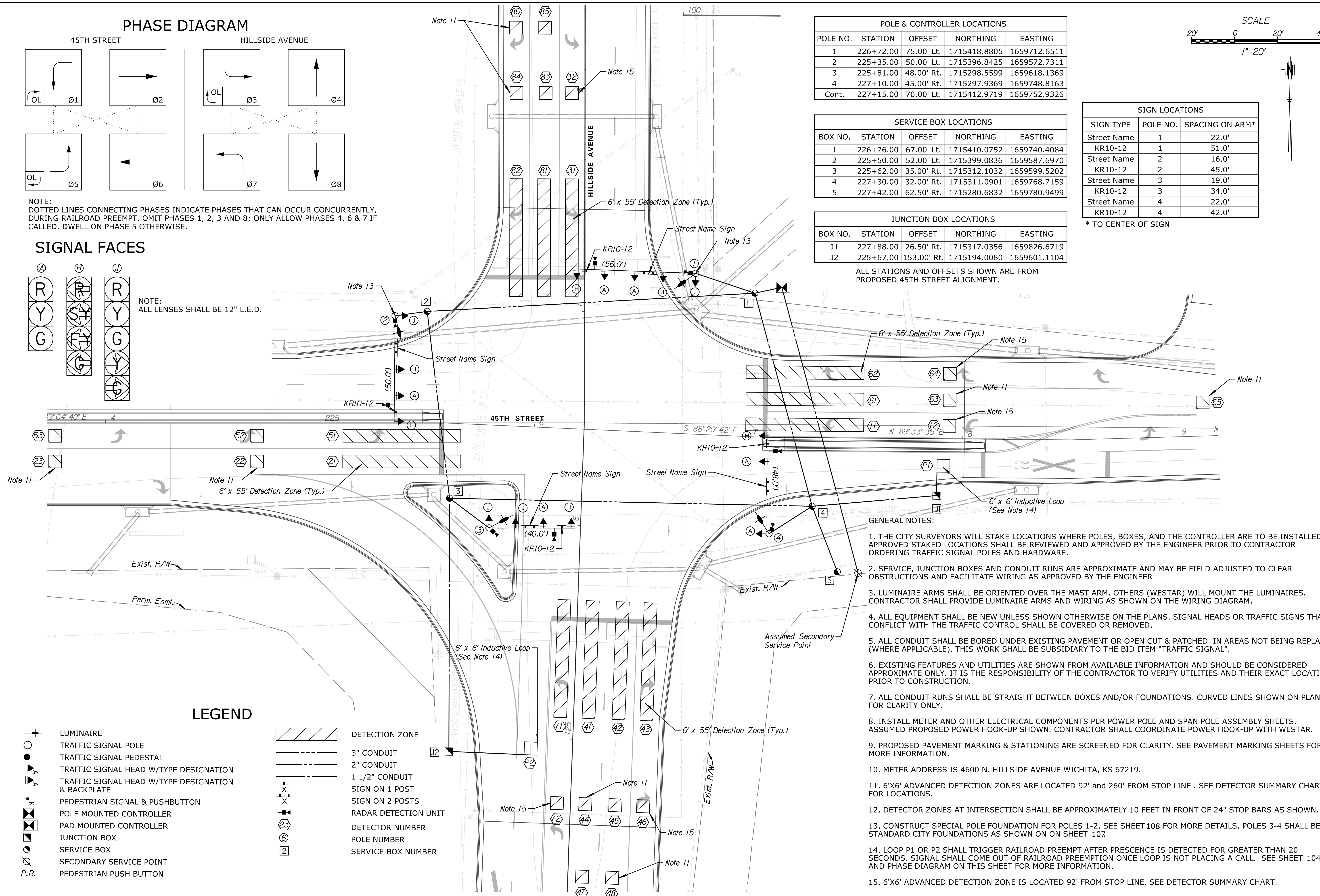


NOTE: DOTTED LINES CONNECTING PHASES INDICATE PHASES THAT CAN OCCUR CONCURRENTLY. DURING RAILROAD PREEMPT, OMIT PHASES 1, 2, 3 AND 8; ONLY ALLOW PHASES 4, 6 & 7 IF CALLED. DWELL ON PHASE 5 OTHERWISE.

SIGNAL FACES



NOTE: ALL LENSES SHALL BE 12" L.E.D.

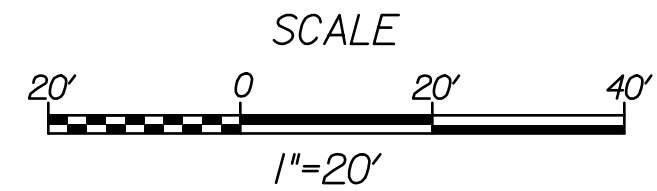


POLE & CONTROLLER LOCATIONS				
POLE NO.	STATION	OFFSET	NORTHING	EASTING
1	226+72.00	75.00' Lt.	1715418.8805	1659712.6511
2	225+35.00	50.00' Lt.	1715396.8425	1659572.7311
3	225+81.00	48.00' Rt.	1715298.5599	1659618.1369
4	227+10.00	45.00' Rt.	1715297.9369	1659748.8163
Cont.	227+15.00	70.00' Lt.	1715412.9719	1659752.9326

SERVICE BOX LOCATIONS				
BOX NO.	STATION	OFFSET	NORTHING	EASTING
1	226+76.00	67.00' Lt.	1715410.0752	1659740.4084
2	225+50.00	52.00' Lt.	1715399.0836	1659587.6970
3	225+62.00	35.00' Rt.	1715312.1032	1659599.5202
4	227+30.00	32.00' Rt.	1715311.0901	1659768.7159
5	227+42.00	62.50' Rt.	1715280.6832	1659780.9499

JUNCTION BOX LOCATIONS				
BOX NO.	STATION	OFFSET	NORTHING	EASTING
J1	227+88.00	26.50' Rt.	1715317.0356	1659826.6719
J2	225+67.00	153.00' Rt.	1715194.0080	1659601.1104

ALL STATIONS AND OFFSETS SHOWN ARE FROM PROPOSED 45TH STREET ALIGNMENT.



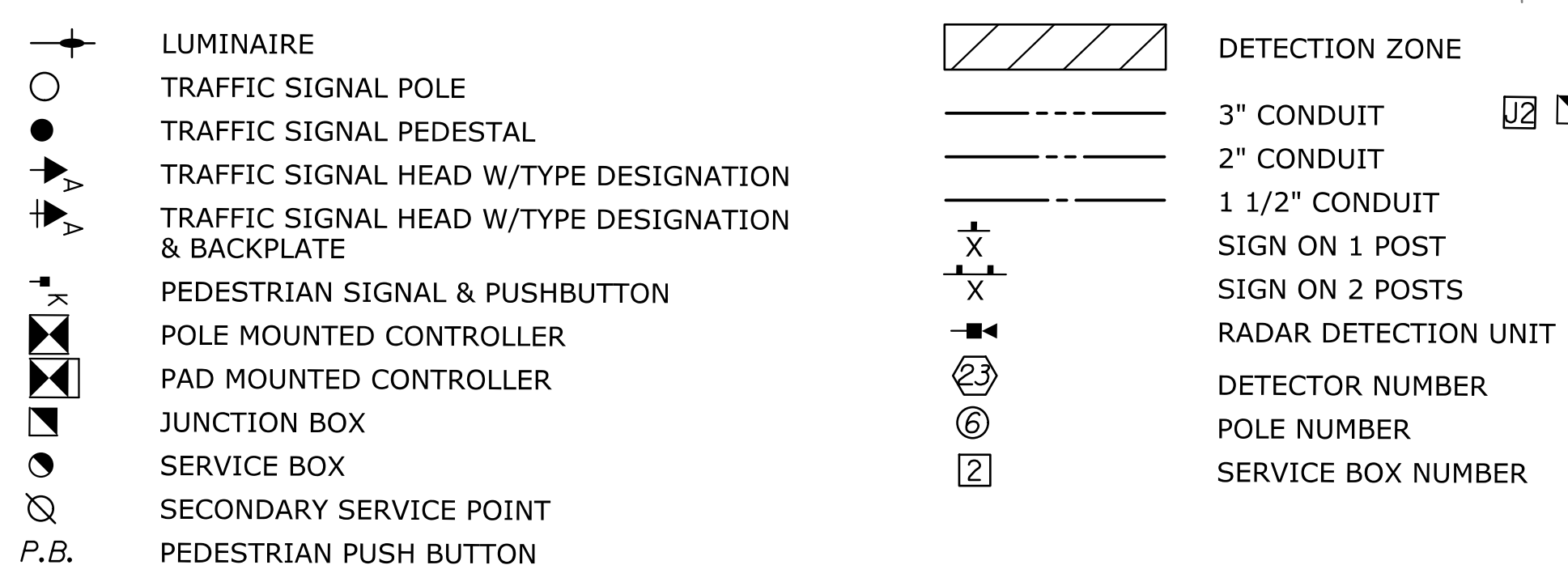
SIGN LOCATIONS		
SIGN TYPE	POLE NO.	SPACING ON ARM*
Street Name	1	22.0'
KR10-12	1	51.0'
Street Name	2	16.0'
KR10-12	2	45.0'
Street Name	3	19.0'
KR10-12	3	34.0'
Street Name	4	22.0'
KR10-12	4	42.0'

* TO CENTER OF SIGN

GENERAL NOTES:

1. THE CITY SURVEYORS WILL STAKE LOCATIONS WHERE POLES, BOXES, AND THE CONTROLLER ARE TO BE INSTALLED. APPROVED STAKED LOCATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO CONTRACTOR ORDERING TRAFFIC SIGNAL POLES AND HARDWARE.
2. SERVICE, JUNCTION BOXES AND CONDUIT RUNS ARE APPROXIMATE AND MAY BE FIELD ADJUSTED TO CLEAR OBSTRUCTIONS AND FACILITATE WIRING AS APPROVED BY THE ENGINEER
3. LUMINAIRE ARMS SHALL BE ORIENTED OVER THE MAST ARM. OTHERS (WESTAR) WILL MOUNT THE LUMINAIRES. CONTRACTOR SHALL PROVIDE LUMINAIRE ARMS AND WIRING AS SHOWN ON THE WIRING DIAGRAM.
4. ALL EQUIPMENT SHALL BE NEW UNLESS SHOWN OTHERWISE ON THE PLANS. SIGNAL HEADS OR TRAFFIC SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SHALL BE COVERED OR REMOVED.
5. ALL CONDUIT SHALL BE BORED UNDER EXISTING PAVEMENT OR OPEN CUT & PATCHED IN AREAS NOT BEING REPLACED (WHERE APPLICABLE). THIS WORK SHALL BE SUBSIDIARY TO THE BID ITEM "TRAFFIC SIGNAL".
6. EXISTING FEATURES AND UTILITIES ARE SHOWN FROM AVAILABLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY UTILITIES AND THEIR EXACT LOCATION PRIOR TO CONSTRUCTION.
7. ALL CONDUIT RUNS SHALL BE STRAIGHT BETWEEN BOXES AND/OR FOUNDATIONS. CURVED LINES SHOWN ON PLAN FOR CLARITY ONLY.
8. INSTALL METER AND OTHER ELECTRICAL COMPONENTS PER POWER POLE AND SPAN POLE ASSEMBLY SHEETS. ASSUMED PROPOSED POWER HOOK-UP SHOWN. CONTRACTOR SHALL COORDINATE POWER HOOK-UP WITH WESTAR.
9. PROPOSED PAVEMENT MARKING & STATIONING ARE SCREENED FOR CLARITY. SEE PAVEMENT MARKING SHEETS FOR MORE INFORMATION.
10. METER ADDRESS IS 4600 N. HILLSIDE AVENUE WICHITA, KS 67219.
11. 6'X6' ADVANCED DETECTION ZONES ARE LOCATED 92' and 260' FROM STOP LINE . SEE DETECTOR SUMMARY CHART FOR LOCATIONS.
12. DETECTOR ZONES AT INTERSECTION SHALL BE APPROXIMATELY 10 FEET IN FRONT OF 24" STOP BARS AS SHOWN.
13. CONSTRUCT SPECIAL POLE FOUNDATION FOR POLES 1-2. SEE SHEET 108 FOR MORE DETAILS. POLES 3-4 SHALL BE STANDARD CITY FOUNDATIONS AS SHOWN ON ON SHEET 107
14. LOOP P1 OR P2 SHALL TRIGGER RAILROAD PREEMPT AFTER PRESCENCE IS DETECTED FOR GREATER THAN 20 SECONDS. SIGNAL SHALL COME OUT OF RAILROAD PREEMPTION ONCE LOOP IS NOT PLACING A CALL. SEE SHEET 104 AND PHASE DIAGRAM ON THIS SHEET FOR MORE INFORMATION.
15. 6'X6' ADVANCED DETECTION ZONE IS LOCATED 92' FROM STOP LINE. SEE DETECTOR SUMMARY CHART.

LEGEND



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 FAX: 316-303-0156

CONSULTANTS:

45TH & HILLSIDE INTERSECTION IMPROVEMENT
 WICHITA, KANSAS

REVISIONS:	DESCRIPTION	MARK	DATE

PROJ NO: 87 N-0616-01
 SCALE: 1"=20'
 DATE: 10/9/2017
 DESIGNED BY: CCB
 DRAWN BY: CCB
 CHECKED BY: SGE

SHEET TITLE:
TRAFFIC SIGNAL 45TH STREET & HILLSIDE AVENUE

SHEET NO.
103
 SHEET 103 OF 166

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