

PHASING DIAGRAM

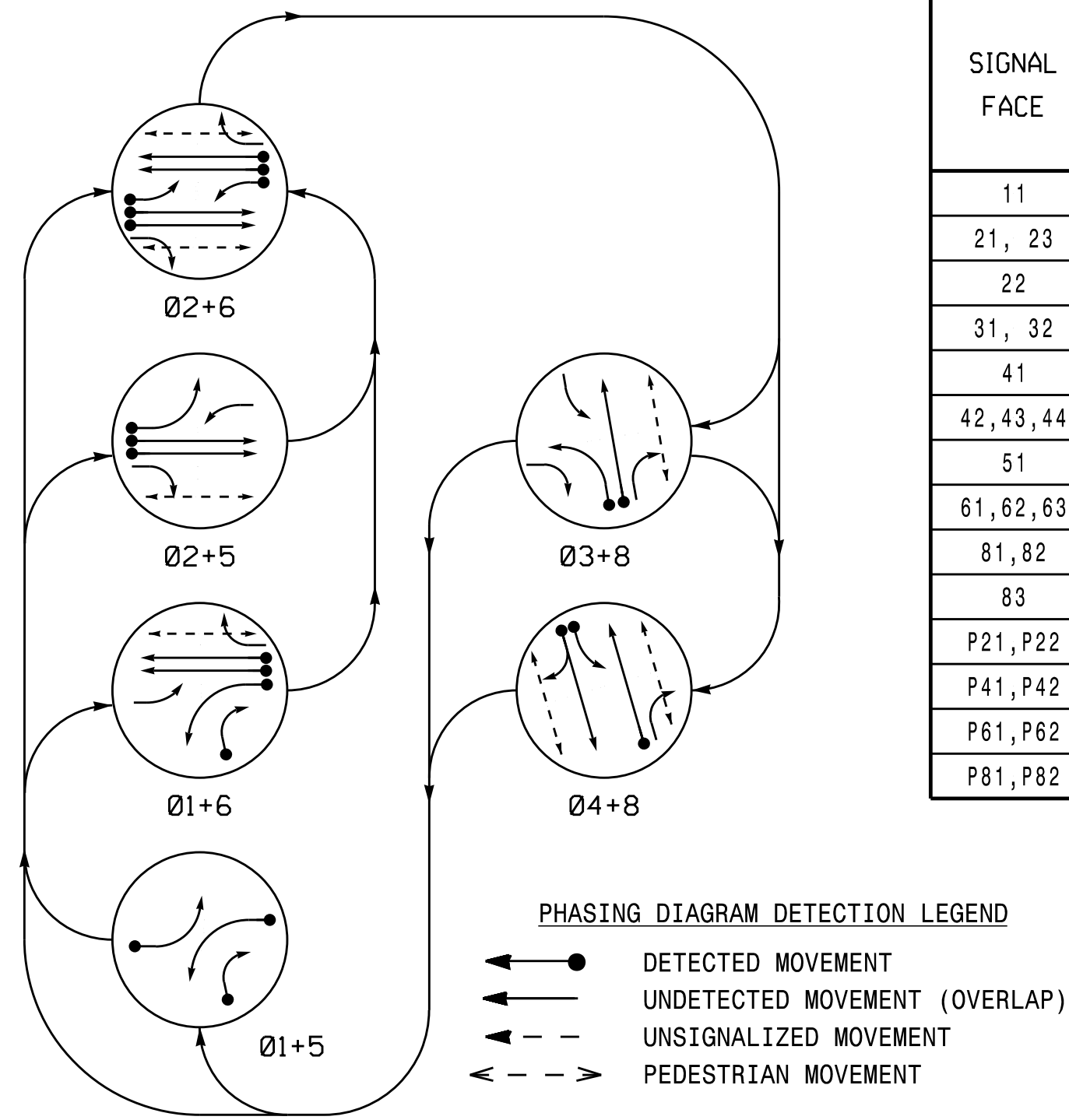


TABLE OF OPERATION

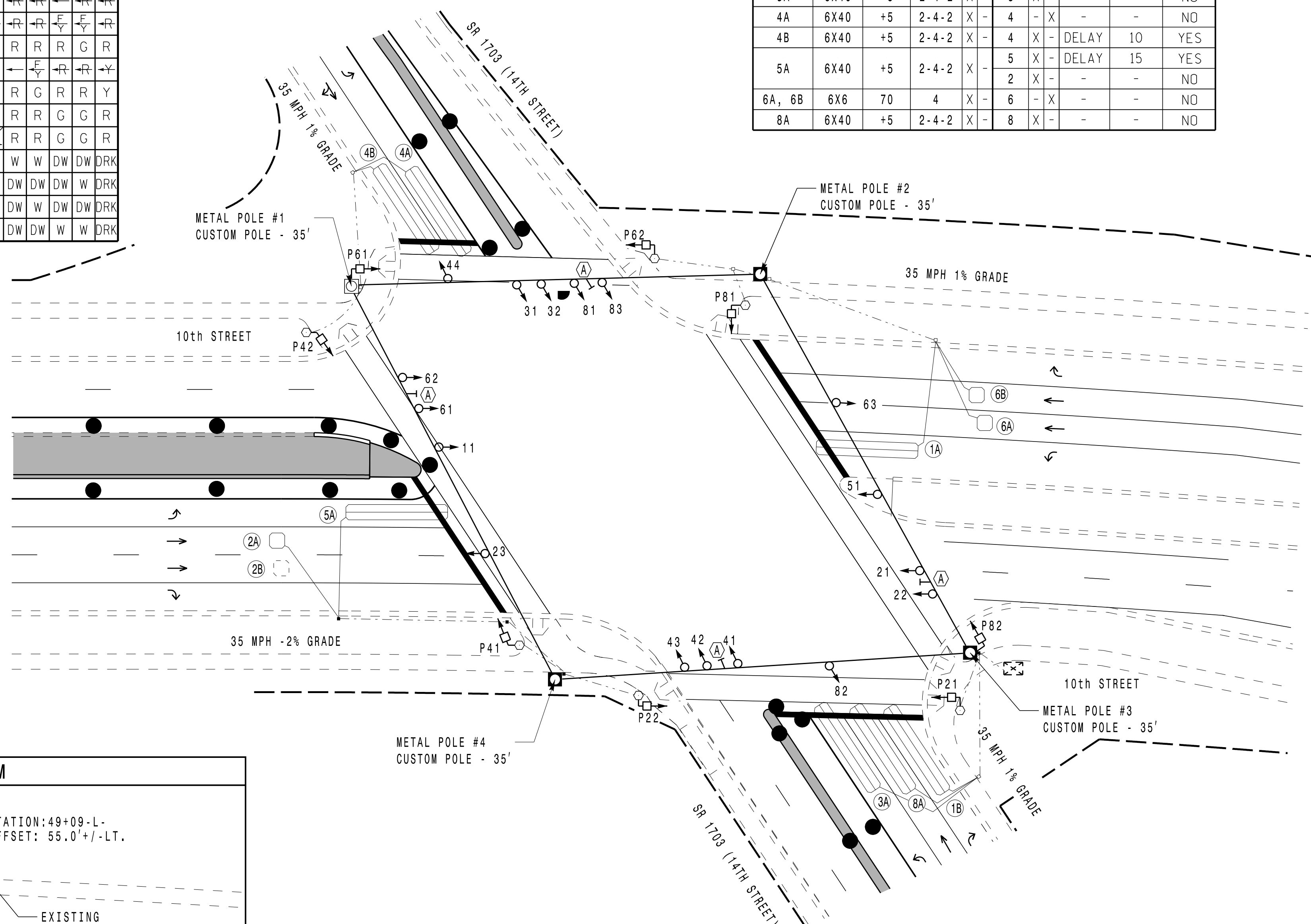
SIGNAL FACE	PHASE						
	01+5	01+6	02+5	02+6	03+8	04+8	FLASH
11	←	←	←	←	←	←	←
21, 23	R	R	G	G	R	R	Y
22	R	R	G	G	R	R	Y
31, 32	←	←	←	←	←	←	←
41	←	←	←	←	←	←	←
42, 43, 44	R	R	R	R	R	G	R
51	←	←	←	←	←	←	←
61, 62, 63	R	G	R	G	R	R	Y
81, 82	R	R	R	R	G	G	R
83	R	R	R	R	G	G	R
P21, P22	DW	DW	W	W	DW	DW	DRK
P41, P42	DW	DW	DW	DW	DW	W	DRK
P61, P62	DW	W	DW	W	DW	DW	DRK
P81, P82	DW	DW	DW	DW	W	W	DRK

NEMA LOOP & DETECTOR INSTALLATION CHART with TS-2 CABINET

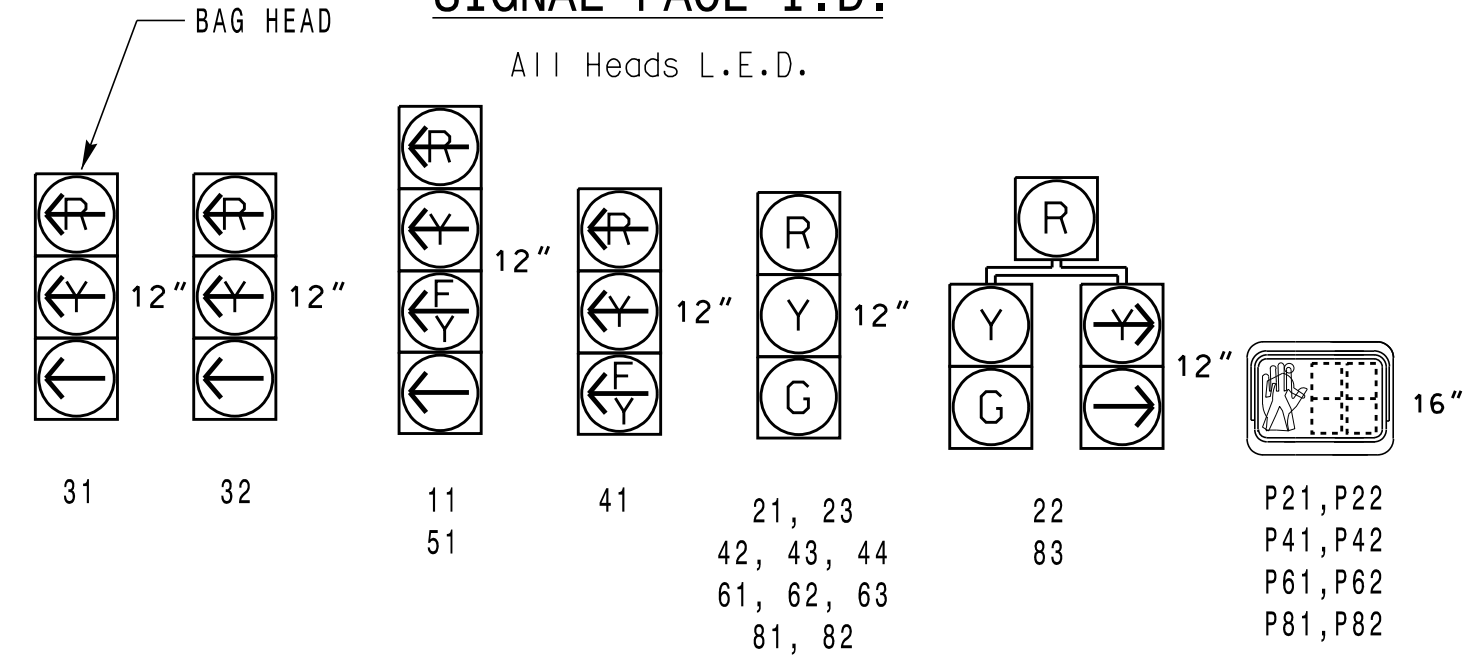
LOOP NO.	SIZE (ft)	DIST. FROM STOPBAR (ft)	TURNS	NEW EXISTING	DETECTOR UNITS						
					NEMA PHASE	NEW EXISTING	TIMING		INHIBIT DELAY DURING GREEN?		
							FEATURE	TIME			
1A	6X40	+5	2-4-2	X	-	1	-	X	DELAY	15	YES
1B	6X40	+5	2-4-2	X	-	6	-	X	-	-	NO
2A, 2B	6X6	70	4	X	-	2	-	X	-	-	NO
3A	6X40	+5	2-4-2	X	-	3	X	-	-	-	NO
4A	6X40	+5	2-4-2	X	-	4	X	-	-	-	NO
4B	6X40	+5	2-4-2	X	-	4	X	-	DELAY	10	YES
5A	6X40	+5	2-4-2	X	-	5	X	-	DELAY	15	YES
6A, 6B	6X6	70	4	X	-	6	-	X	-	-	NO
8A	6X40	+5	2-4-2	X	-	8	X	-	-	-	NO

6 PHASE FULLY ACTUATED (GREENVILLE SIGNAL SYSTEM)

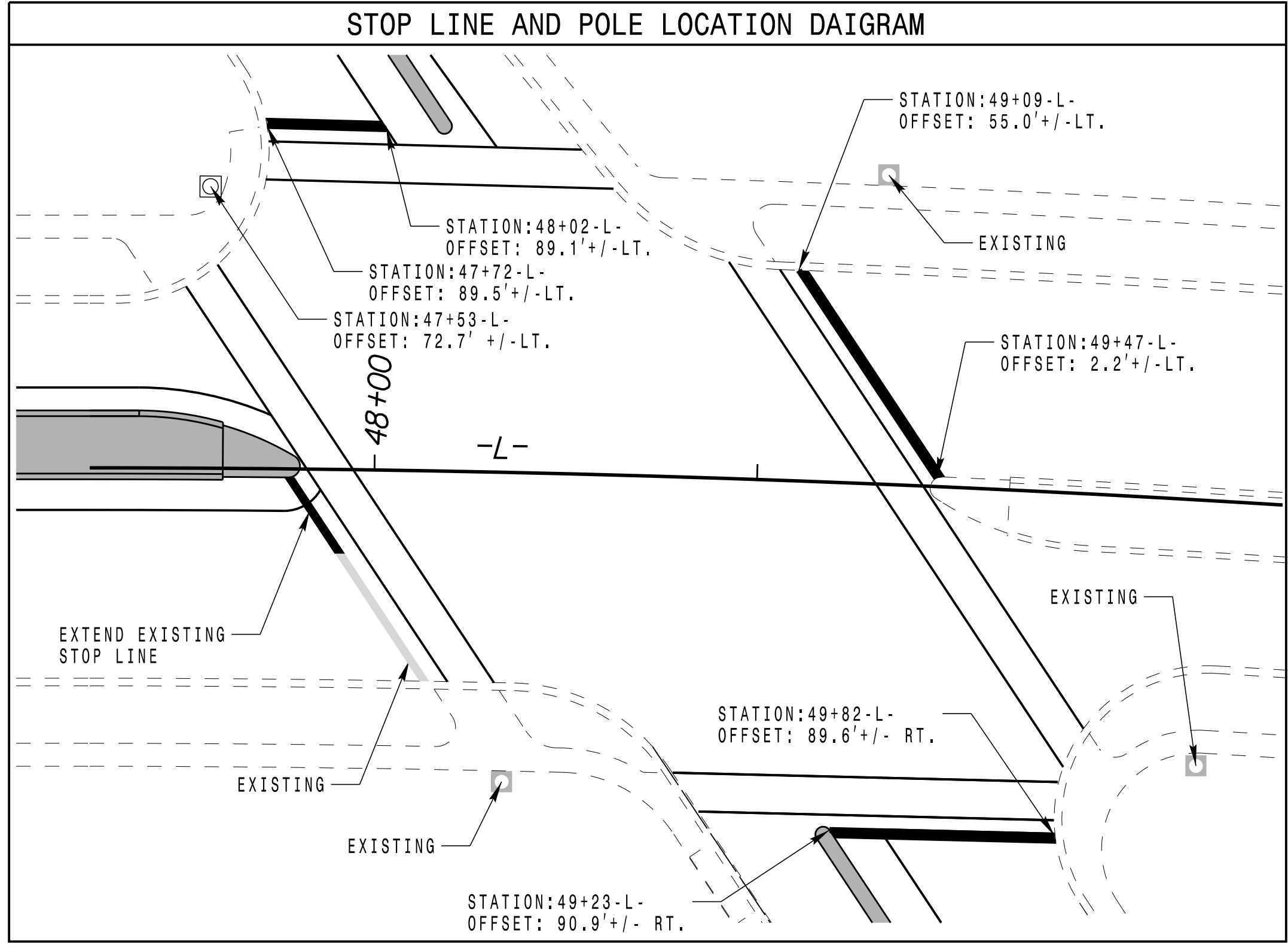
- NOTES
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
 - Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
 - Phase 1 and/or phase 5 may be lagged.
 - Phase 3 may be lagged.
 - Set all detector units to presence mode.
 - Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
 - Program pedestrian heads to countdown the flashing "Don't Walk" time only.
 - Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
 - Intersection Zone Number: 4 System Address Number: 90
 - Install and bag head 31.
 - Install black powder coated metal strain poles and pedestals.
 - Pedestrian pedestals are conceptual and shown for reference only. See sheets P1-P3 for pushbutton location details.



SIGNAL FACE I.D.

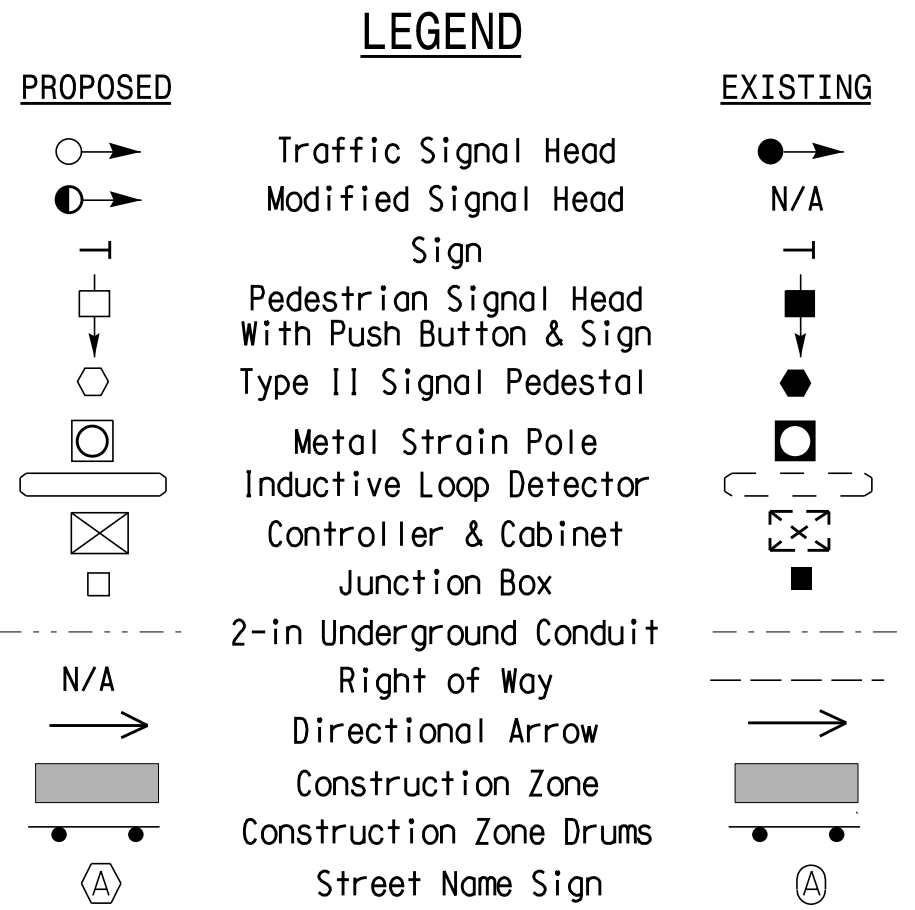


STOP LINE AND POLE LOCATION DAIGRAM



ASC3 NEMA TIMING CHART

FEATURE	PHASE						
	01	02	03	04	05	06	08
MINIMUM GREEN *	7 SEC.	10 SEC.	7 SEC.	7 SEC.	7 SEC.	10 SEC.	7 SEC.
PASSAGE GAP *	2.0 SEC.	3.0 SEC.	2.0 SEC.	2.0 SEC.	2.0 SEC.	3.0 SEC.	2.0 SEC.
YELLOW CHANGE INT.	3.0 SEC.	4.0 SEC.	3.0 SEC.	3.8 SEC.	3.0 SEC.	4.0 SEC.	3.8 SEC.
RED CLEARANCE	3.3 SEC.	3.1 SEC.	5.0 SEC.	4.2 SEC.	3.4 SEC.	3.1 SEC.	4.2 SEC.
MAXIMUM 1 *	30 SEC.	70 SEC.	20 SEC.	45 SEC.	30 SEC.	70 SEC.	45 SEC.
RECALL POSITION	NONE	MIN. RECALL	NONE	NONE	NONE	MIN. RECALL	NONE
VEHICLE CALL MEMORY	NONLOCK	LOCK	NONLOCK	NONLOCK	NONLOCK	LOCK	NONLOCK
WALK *	- SEC.	7 SEC.	- SEC.	7 SEC.	- SEC.	7 SEC.	7 SEC.
FLASHING DON'T WALK	- SEC.	25 SEC.	- SEC.	34 SEC.	- SEC.	24 SEC.	41 SEC.
VOLUME DENSITY	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ACTUATION B4 ADD *	- VEH.	- VEH.	- VEH.	- VEH.	- VEH.	- VEH.	- VEH.
SEC. PER ACTUATION *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.
MAX. INITIAL *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.
TIME B4 REDUCTION *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.
TIME TO REDUCE *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.
MINIMUM GAP	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.



TEMPORARY DESIGN 3 - TMP PHASE 3

750 N. Greenfield Pkwy, Garner, NC 27529

10th STREET AT SR 1703 (14TH STREET)

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE: JUNE 2014 REVIEWED BY: SL PHILLIPS

PREPARED BY: SP PENNINGTON REVIEWED BY:

SEAL

Stacie Phillips 9/2/2014

DocuSigned by: Stacie Phillips 9/2/2014

SIG. INVENTORY NO. 02-089373

8/29/2014 10:56:41 AM susan.pennington K:\RAL_Roadway\01096175 (U-3315)\Traffic Signals\SR - Signal Design\03-14th\3.5 020803 - 40829073.dgn

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.