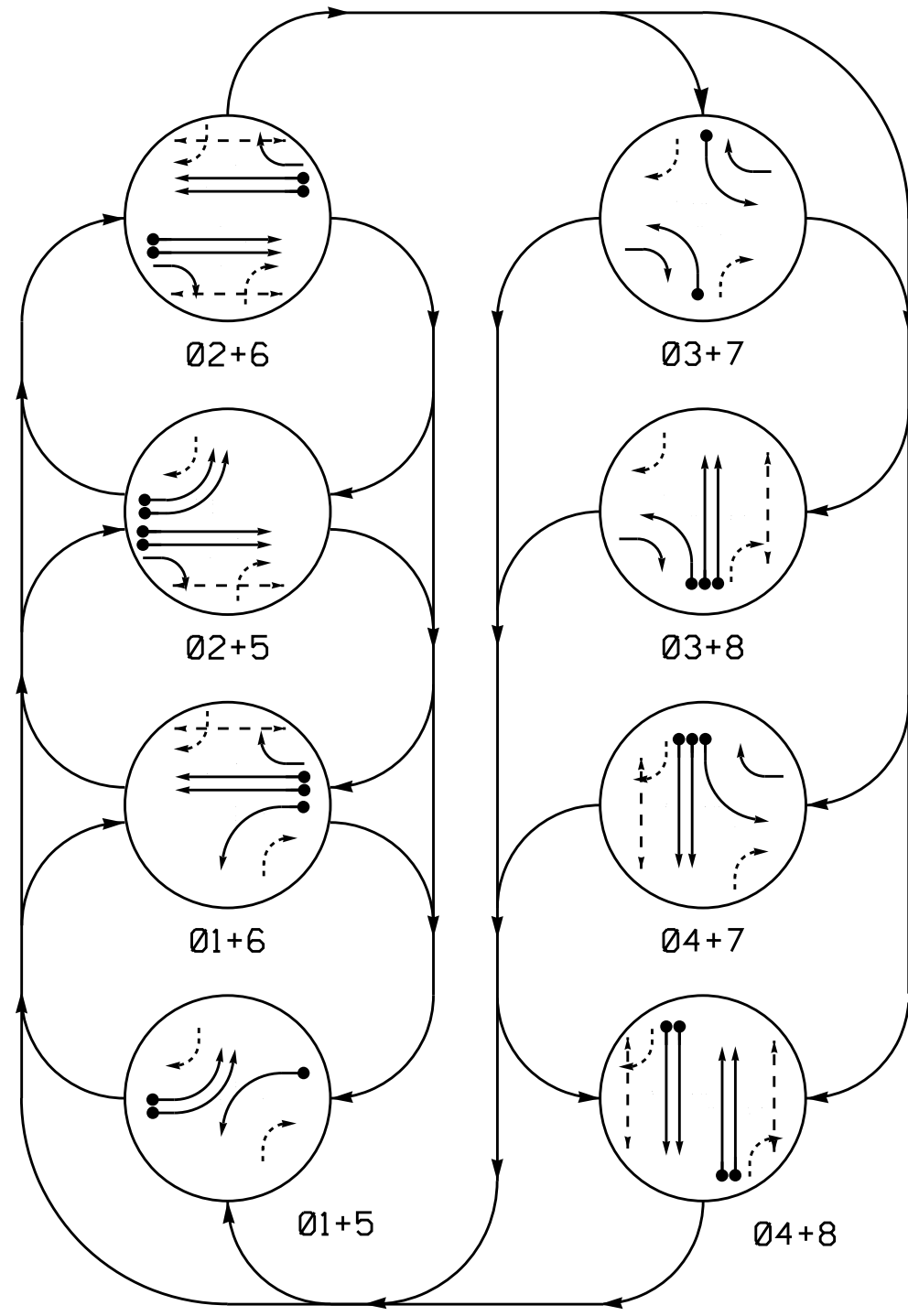


PHASING DIAGRAM

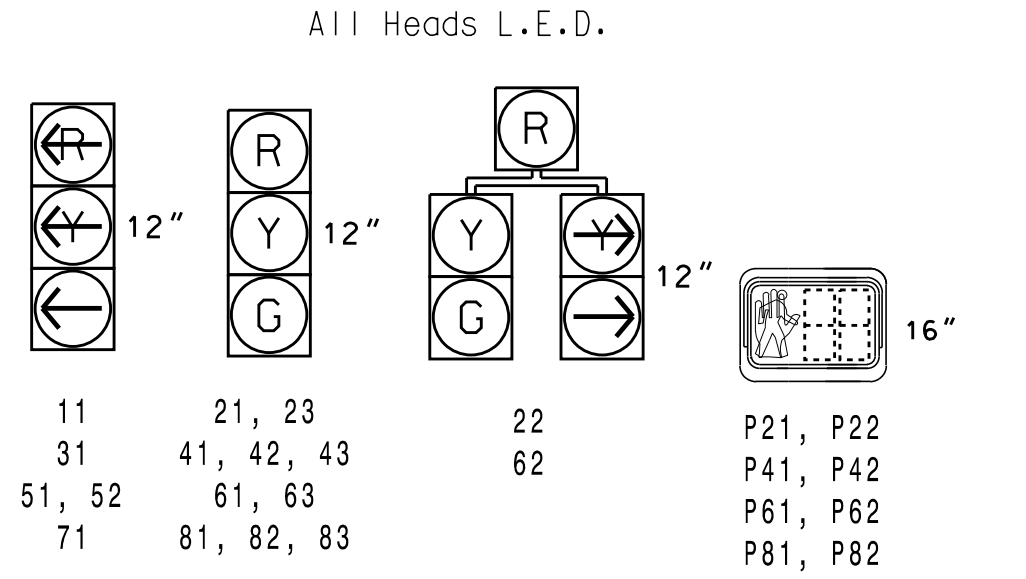


PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE							
	01+5	02+5	03+7	04+7	01+6	02+6	03+8	04+8
11	—	—	—	—	—	—	—	—
21, 23	R	R	G	R	R	R	R	Y
22	R	R	G	R	R	R	R	Y
31	—	—	—	—	—	—	—	—
41, 42, 43	R	R	R	R	R	G	G	R
51, 52	—	—	—	—	—	—	—	—
61, 63	R	G	R	G	R	R	R	Y
62	R	G	R	G	R	R	R	Y
71	—	—	—	—	—	—	—	—
81, 82, 83	R	R	R	R	R	G	R	R
P21, P22	DW	DW	W	DW	DW	DW	DW	DRK
P41, P42	DW	DW	DW	DW	DW	W	W	DRK
P61, P62	DW	W	DW	DW	DW	DW	DW	DRK
P81, P82	DW	DW	DW	DW	W	DW	W	DRK

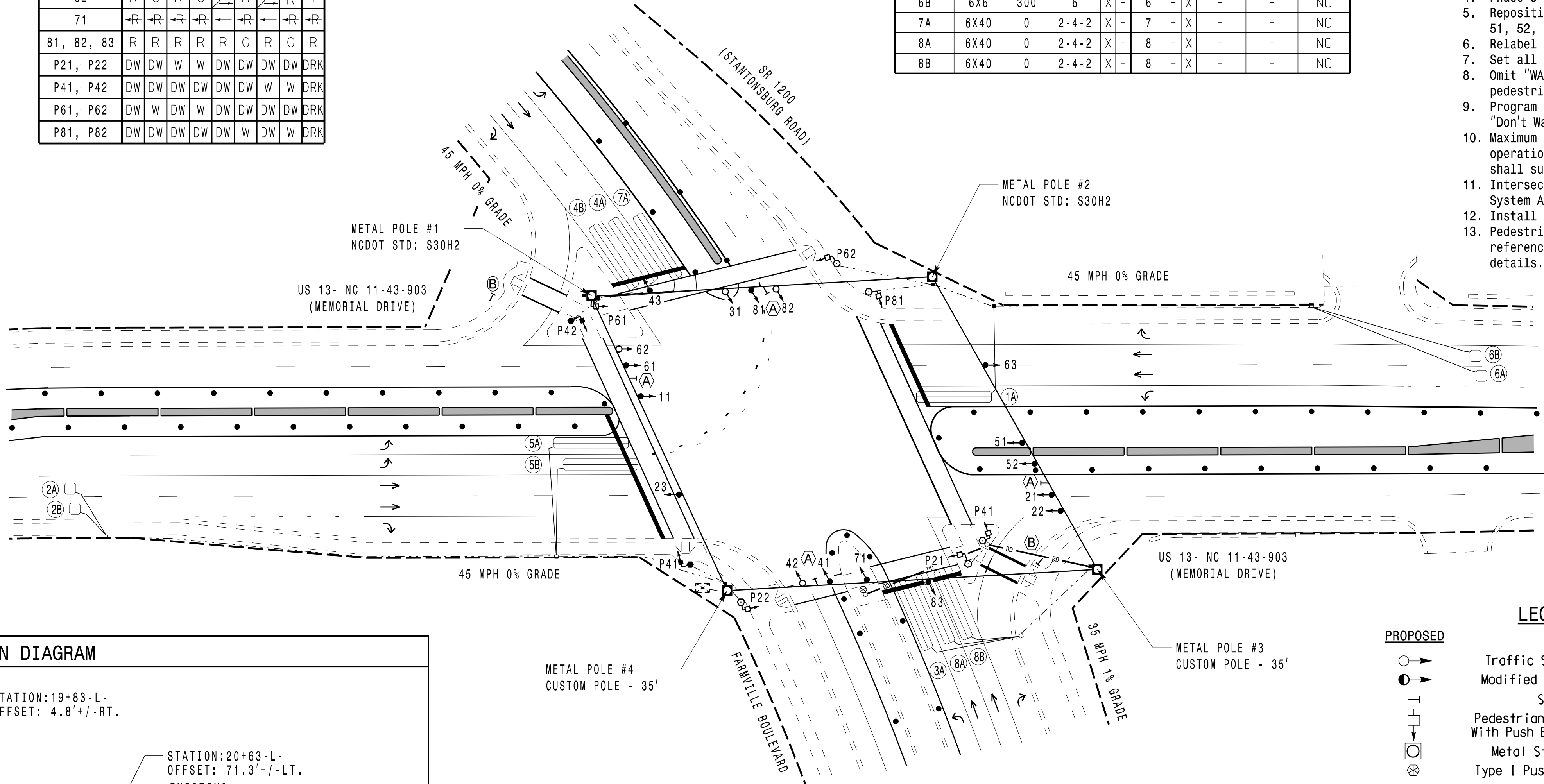
SIGNAL FACE I.D.



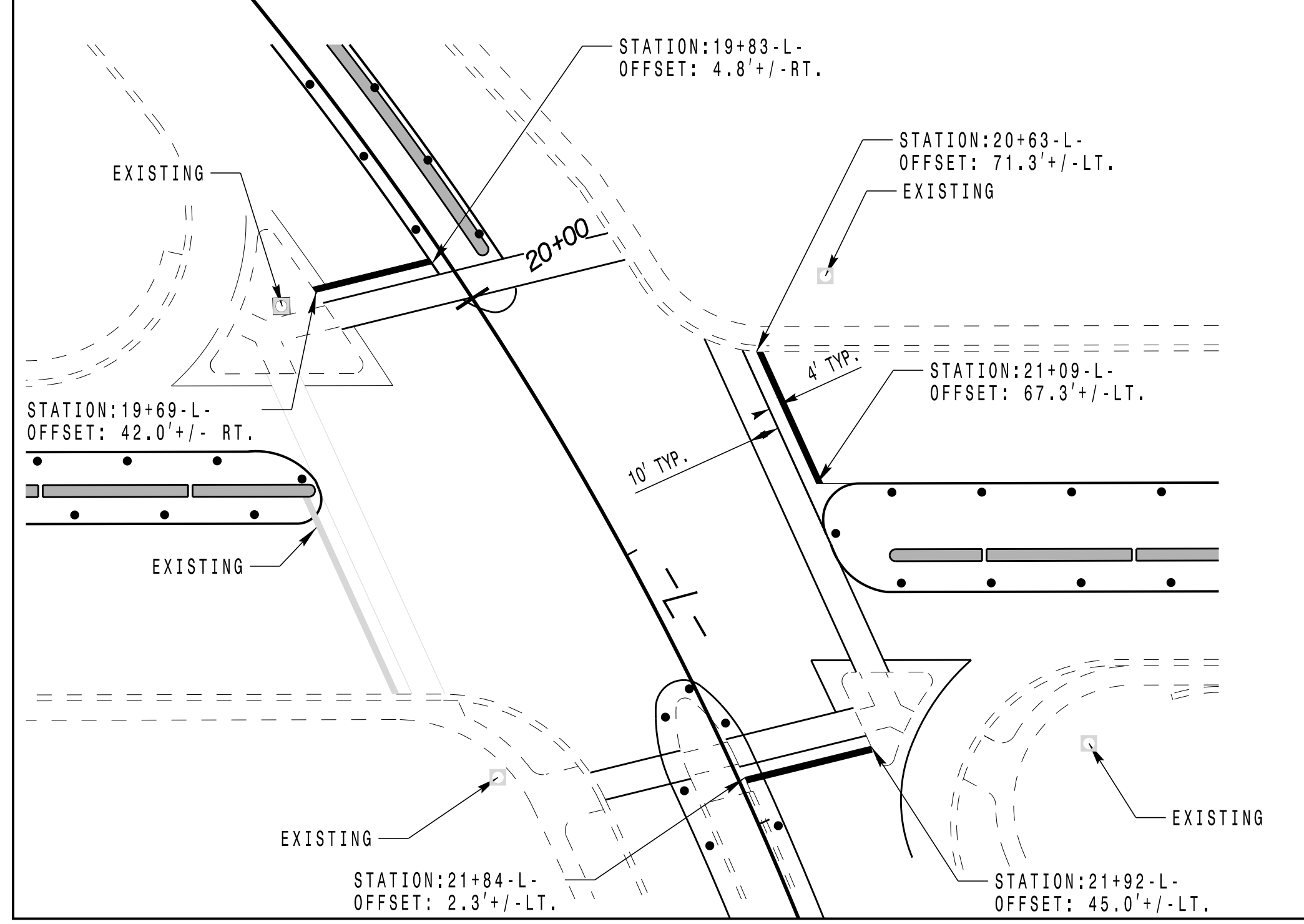
LOOP NO.	SIZE (ft)	DIST. FROM STOPBAR (ft)	TURNS	INDUCTIVE LOOPS		DETECTOR UNITS		TIMING FEATURE	TIMING TIME	INHIBIT DELAY DURING GREEN?
				NEW	EXISTING	NEW	EXISTING			
1A	6X40	0	2-4-2	X	-	1	-	-	-	NO
2A	6X6	300	4	X	-	2	-	-	-	NO
2B	6X6	300	4	X	-	2	-	-	-	NO
3A	6X40	0	2-4-2	X	-	3	-	-	-	NO
4A	6X40	0	2-4-2	X	-	4	-	-	-	NO
4B	6X40	0	2-4-2	X	-	4	-	-	-	NO
5A	6X40	0	2-4-2	X	-	5	-	-	-	NO
5B	6X40	0	2-4-2	X	-	5	-	-	-	NO
6A	6X6	300	6	X	-	6	-	-	-	NO
6B	6X6	300	6	X	-	6	-	-	-	NO
7A	6X40	0	2-4-2	X	-	7	-	-	-	NO
8A	6X40	0	2-4-2	X	-	8	-	-	-	NO
8B	6X40	0	2-4-2	X	-	8	-	-	-	NO

8 PHASE FULLY ACTUATED (GREENVILLE CITY SYSTEM)

- 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 and/or phase 7 may be lagged.
- Relabel existing signals 11, 21, 22, 31, 41, 43, 51, 52, 61, 63, 81, and 83.
- Relabel existing head 24 as 22.
- 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: 11 System Address Number: 53
- Install black powder coated pedestals.
- Pedestrian pedestals are conceptual and shown for reference only. See sheets P1-P3 for pushbutton location details.

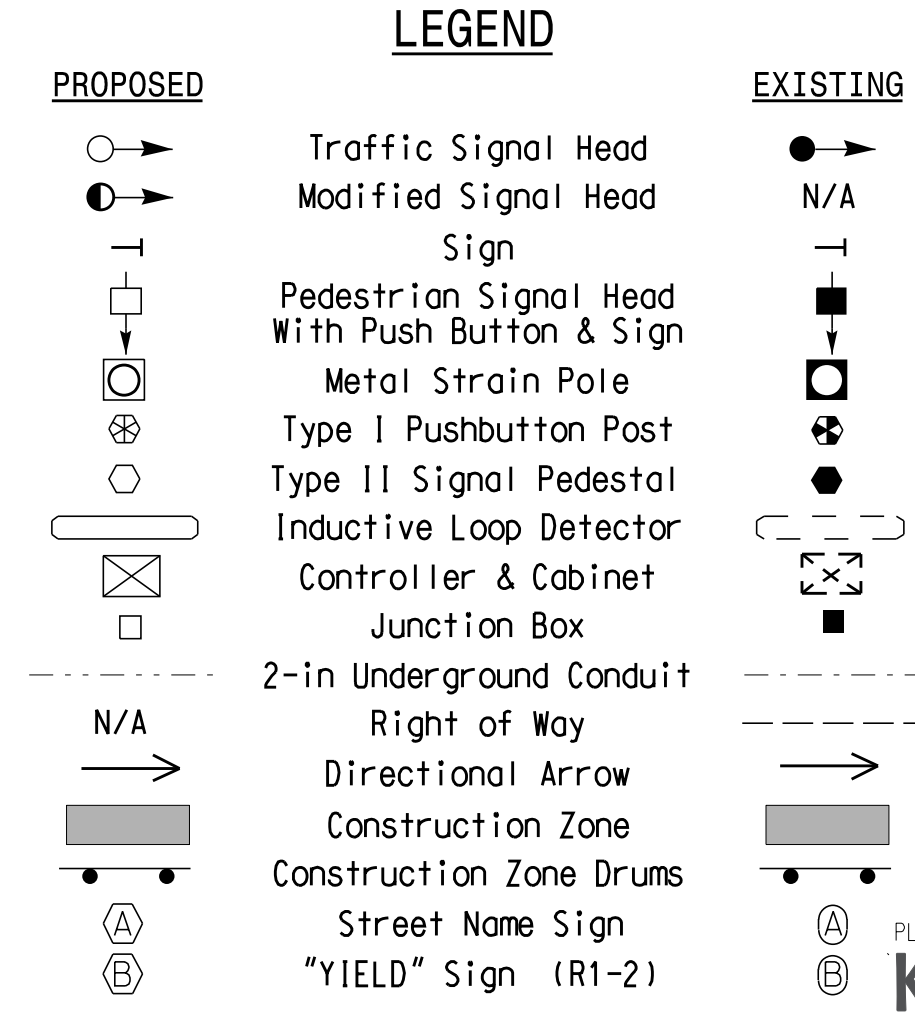


POLE LOCATION DIAGRAM



FEATURE	PHASE							
	01	02	03	04	05	06	07	08
MINIMUM GREEN *	7 SEC.	12 SEC.	7 SEC.	7 SEC.	7 SEC.	12 SEC.	7 SEC.	7 SEC.
PASSAGE GAP *	2.0 SEC.	6.0 SEC.	2.0 SEC.	2.0 SEC.	2.0 SEC.	6.0 SEC.	2.0 SEC.	2.0 SEC.
YELLOW CHANGE INT.	3.0 SEC.	4.5 SEC.	3.0 SEC.	4.5 SEC.	3.0 SEC.	4.5 SEC.	3.0 SEC.	3.8 SEC.
RED CLEARANCE	3.9 SEC.	2.5 SEC.	4.8 SEC.	2.9 SEC.	3.8 SEC.	2.5 SEC.	4.6 SEC.	3.4 SEC.
MAXIMUM 1 *	30 SEC.	90 SEC.	30 SEC.	45 SEC.	30 SEC.	90 SEC.	30 SEC.	45 SEC.
RECALL POSITION	NONE	MIN. RECALL	NONE	NONE	NONE	MIN. RECALL	NONE	NONE
VEHICLE CALL MEMORY	NONLOCK	LOCK	NONLOCK	NONLOCK	NONLOCK	LOCK	NONLOCK	NONLOCK
WALK *	- SEC.	7 SEC.	- SEC.	7 SEC.	- SEC.	7 SEC.	- SEC.	7 SEC.
FLASHING DON'T WALK	- SEC.	23 SEC.	- SEC.	30 SEC.	- SEC.	25 SEC.	- SEC.	32 SEC.
VOLUME DENSITY	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF
ACTUATION B4 ADD *	- VEH.	0 VEH.	- VEH.	- VEH.	- VEH.	0 VEH.	- VEH.	- VEH.
SEC. PER ACTUATION *	- SEC.	1.5 SEC.	- SEC.	- SEC.	- SEC.	1.5 SEC.	- SEC.	- SEC.
MAX. INITIAL *	- SEC.	34 SEC.	- SEC.	- SEC.	- SEC.	34 SEC.	- SEC.	- SEC.
TIME B4 REDUCTION *	- SEC.	15 SEC.	- SEC.	- SEC.	- SEC.	15 SEC.	- SEC.	- SEC.
TIME TO REDUCE *	- SEC.	45 SEC.	- SEC.	- SEC.	- SEC.	45 SEC.	- SEC.	- SEC.
MINIMUM GAP	- SEC.	3.0 SEC.	- SEC.	- SEC.	- SEC.	3.0 SEC.	- SEC.	- SEC.

\* 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.



TEMPORARY DESIGN 3 - TMP PHASE 3

US 13- NC 11-43-903 (MEMORIAL DRIVE) AT SR 1200 (STANTONSBURG ROAD) / FARMVILLE BOULEVARD

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE: JUNE 2014 REVIEWED BY: SL PHILLIPS

PREPARED BY: SP PENNINGTON REVIEWED BY:

REVISIONS: INIT. DATE

Scale: 1" = 40'

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER STACEY L. PHILLIPS

Signature: Stacey Phillips 9/2/2014

DocuSigned by: Stacey Phillips 9/2/2014

SIG. INVENTORY NO. 02-005313

8/29/2014 10:56:13 AM susan.pennington k:\RAL\_Roadway\01036175 (U-3315)\Traffic\Signal\Signal.s44 - Signal Design\\*.sig 02-005313.dgn