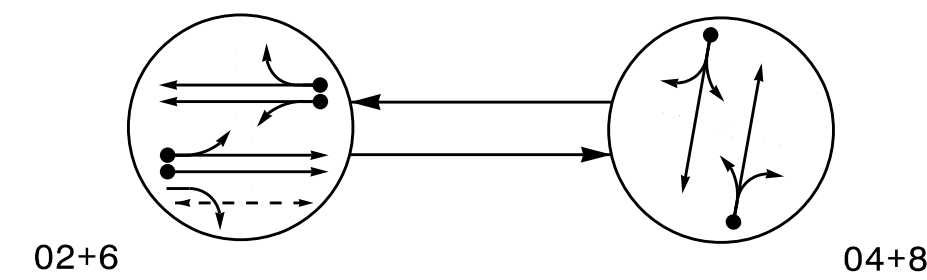


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

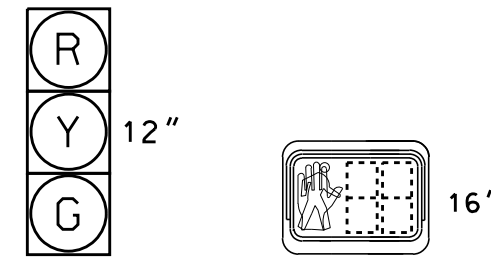
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ⤴ PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04+8	FLASH
21, 22	G	R	Y
41, 42, 43	R	G	R
61, 62	G	R	Y
81, 82, 83	R	G	R
P21, P22	W	DW	DRK

SIGNAL FACE I.D.

All Heads L.E.D.



21, 22  
41, 42, 43  
61, 62  
81, 82, 83

P21, P22

NEMA LOOP & DETECTOR INSTALLATION CHART with TS-2 CABINET

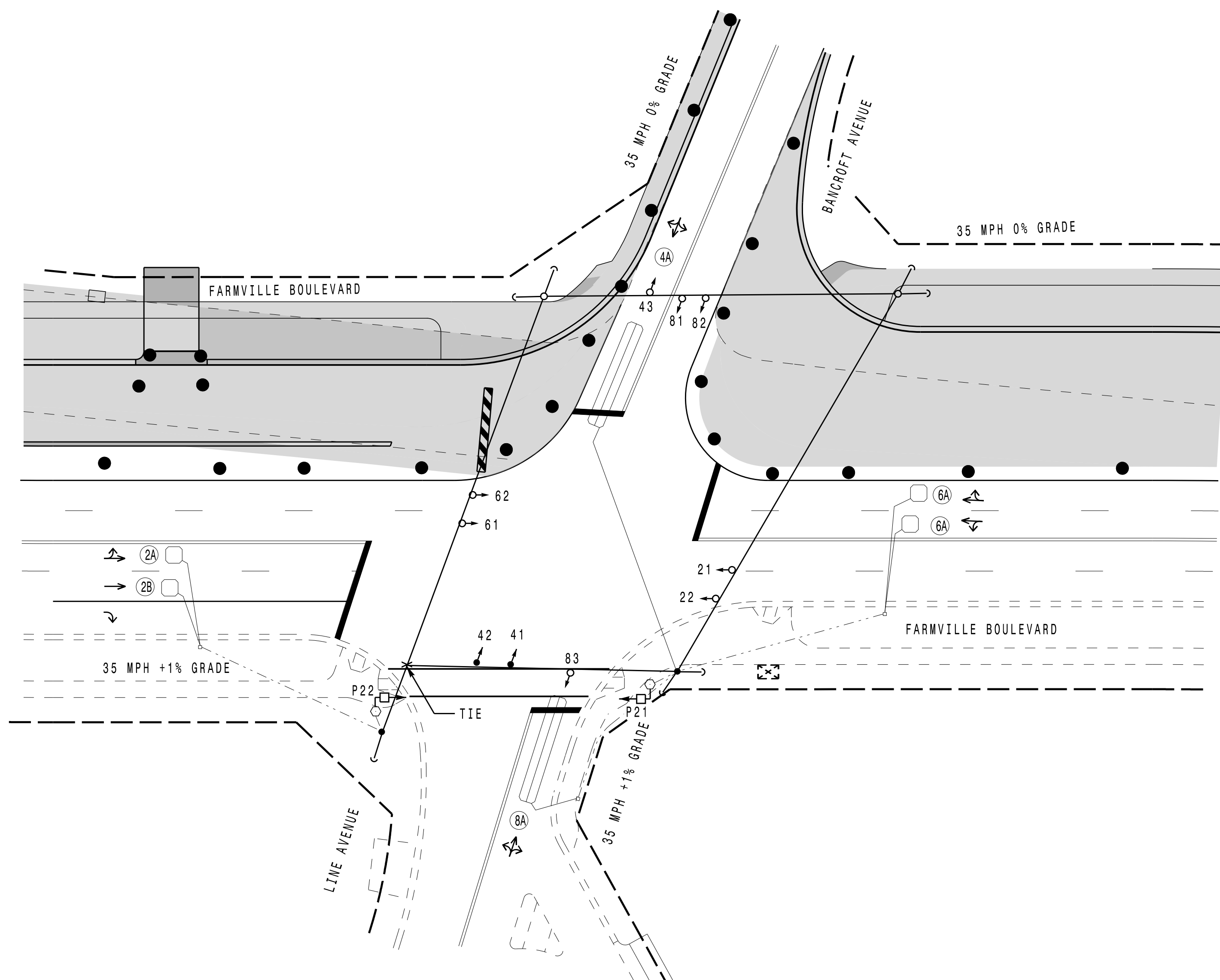
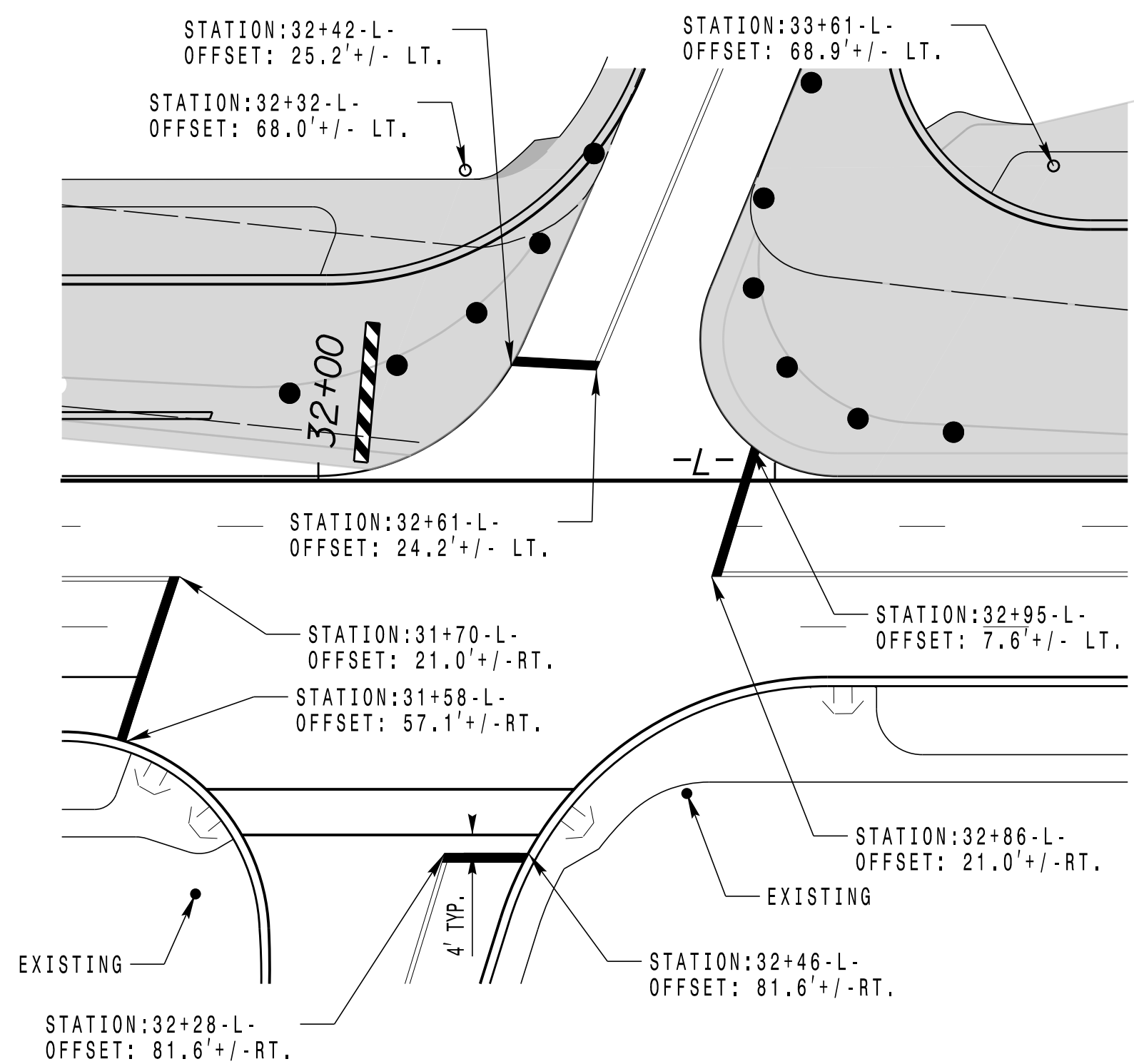
LOOP NO.	SIZE (ft)	DIST. FROM STOPBAR (ft)	TURNS	NEW EXISTING	DETECTOR UNITS			INHIBIT DELAY DURING GREEN?	
					NEMA PHASE	NEW EXISTING	TIMING FEATURE TIME		
2A, 2B	6X6	70	5	X -	2 -	X -	-	-	NO
4A	6X40	+5	2-4-2	X -	4 -	X -	DELAY	3	YES
6A, 6B	6X6	70	5	X -	6 -	X -	-	-	NO
8A	6X40	+5	2-4-2	X -	8 -	X -	DELAY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

2 PHASE FULLY ACTUATED (GREENVILLE SIGNAL SYSTEM)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Program phase 4 and phase 8 for dual entry.
4. Set all detector units to presence mode.
5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
6. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
8. Intersection Zone Number: 4  
System Address Number: 91
9. Install black powder coated pedestrian signal pedestals.
10. Pedestrian pedestals are conceptual and shown for reference only. See sheets P1-P3 for pushbutton location details.

STOP LINE AND POLE LOCATION DIAGRAM



ASC3 TIMING CHART NEMA CONTROLLER

PHASE	02	04	06	08
MINIMUM GREEN*	10 SEC.	7 SEC.	10 SEC.	7 SEC.
PASSAGE/GAP*	3.0 SEC.	2.0 SEC.	3.0 SEC.	2.0 SEC.
YELLOW CHANGE INT.	3.8 SEC.	3.8 SEC.	3.8 SEC.	3.8 SEC.
RED CLEARANCE	2.5 SEC.	2.0 SEC.	2.1 SEC.	2.0 SEC.
MAX. 1*	35 SEC.	25 SEC.	35 SEC.	25 SEC.
RECALL POSITION	MIN. RECALL	NONE	MIN. RECALL	NONE
VEH. CALL MEMORY	NONLOCK	NONLOCK	NONLOCK	NONLOCK
WALK*	7 SEC.	- SEC.	- SEC.	- SEC.
FLASHING DON'T WALK	20 SEC.	- SEC.	- SEC.	- SEC.
VOLUME DENSITY	OFF	OFF	OFF	OFF
ACTUATION B4 ADD	- VEH.	- VEH.	- VEH.	- VEH.
SEC. PER ACTUATION*	- SEC.	- SEC.	- SEC.	- SEC.
MAX. INITIAL*	- SEC.	- SEC.	- SEC.	- SEC.
TIME B4 REDUCTION*	- SEC.	- SEC.	- SEC.	- SEC.
TIME TO REDUCE*	- SEC.	- SEC.	- SEC.	- SEC.
MINIMUM GAP	- SEC.	- SEC.	- SEC.	- SEC.

\* These values may be field adjusted. Do not adjust Passage /Gap times for phases 2, 4, 6, and 8 lower than what is shown. Min Green for all phases should not be lower than 4 seconds.

LEGEND

	PROPOSED Traffic Signal Head		EXISTING Traffic Signal Head
	PROPOSED Modified Signal Head		EXISTING Modified Signal Head
	PROPOSED Pedestrian Signal Head		EXISTING Pedestrian Signal Head
	PROPOSED Signal Pole with Guy		EXISTING Signal Pole with Guy
	PROPOSED Signal Pole with Sidewalk Guy		EXISTING Signal Pole with Sidewalk Guy
	PROPOSED Type II Signal Pedestal		EXISTING Type II Signal Pedestal
	PROPOSED Inductive Loop Detector		EXISTING Inductive Loop Detector
	PROPOSED Controller & Cabinet		EXISTING Controller & Cabinet
	PROPOSED Junction Box		EXISTING Junction Box
	PROPOSED 2-in Underground Conduit		EXISTING 2-in Underground Conduit
	PROPOSED Right of Way		EXISTING Right of Way
	PROPOSED Directional Arrow		EXISTING Directional Arrow
	PROPOSED Construction Zone		EXISTING Construction Zone
	PROPOSED Construction Zone Drums		EXISTING Construction Zone Drums

TEMPORARY DESIGN 2 - TMP PHASE 2

Prepared For:  
**Kimley Horn**

PLANS PREPARED IN THE OFFICE OF:  
**Kimley Horn**  
750 N. Greenfield Pkwy, Garner, NC 27529  
NC License #F-0102  
P.O. Box 33068  
Raleigh, NC 27636  
(919) 677-2000

**FARMVILLE BOULEVARD**  
AT  
**BANCROFT AVENUE /**  
**LINE AVENUE**

DIVISION 2    PITT COUNTY    GREENVILLE

PLAN DATE: JUNE 2014    REVIEWED BY: SL PHILLIPS

PREPARED BY: SP PENNINGTON    REVIEWED BY:

SEAL  
NORTH CAROLINA  
PROFESSIONAL  
ENGINEER  
STACIE L. PHILLIPS  
032607

DocuSigned by:  
**Stacie Phillips**    9/2/2014  
SIGNATURE    DATE  
SIG. INVENTORY NO. 02-0892T2

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