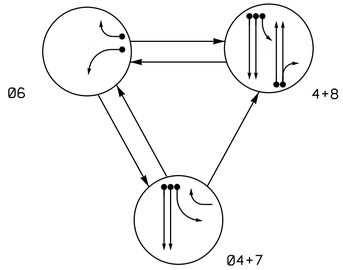
PROJECT REFERENCE NO.	SHEET NO.
U-3315	SIG. 5.3

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.

All Heads L.E.D.

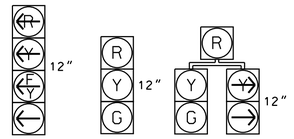


TABLE OF OPERATION

SIGNAL FACE	PHASE 06	PHASE 04+7	PHASE 04+8	PHASE FLASH
71	~~R~~	←	~~F Y~~	~~R~~
41, 42	R	G	G	R
61	G	R	R	Y
62	G	R	R	Y
81, 82	R	R	G	R

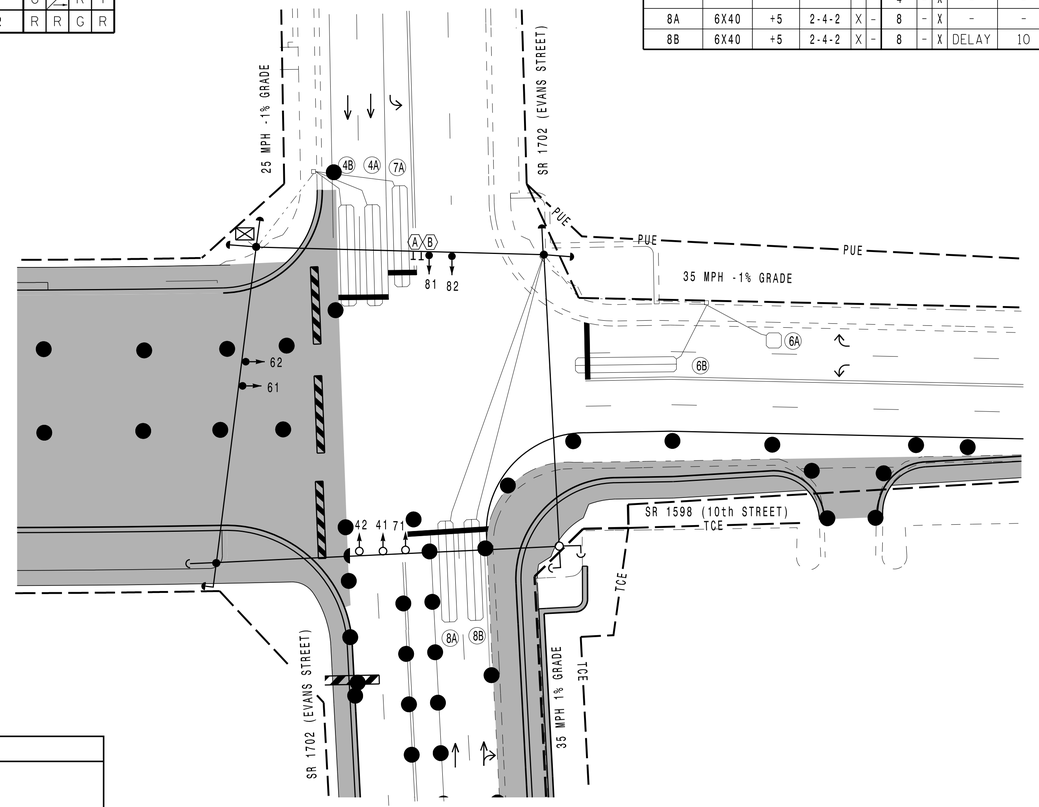
NEMA LOOP & DETECTOR INSTALLATION CHART
with TS-2 CABINET

INDUCTIVE LOOPS						DETECTOR UNITS					
LOOP NO.	SIZE (ft)	DIST. FROM STOPBAR (ft)	TURNS	NEW	EXISTING	NEMA PHASE	NEW	EXISTING	TIMING FEATURE	TIMING TIME	INHIBIT DELAY DURING GREEN?
4A	6X40	+5	2-4-2	X	-	4	-	X	-	-	NO
4B	6X40	+5	2-4-2	X	-	4	-	X	-	-	NO
6A	6X6	70	5	X	-	6	-	X	-	-	NO
6B	6X40	+5	2-4-2	X	-	6	-	X	-	-	NO
7A	6X40	+5	2-4-2	X	-	7	-	X	DELAY	15	YES
						4	-	X	-	-	NO
8A	6X40	+5	2-4-2	X	-	8	-	X	-	-	NO
8B	6X40	+5	2-4-2	X	-	8	-	X	DELAY	10	YES

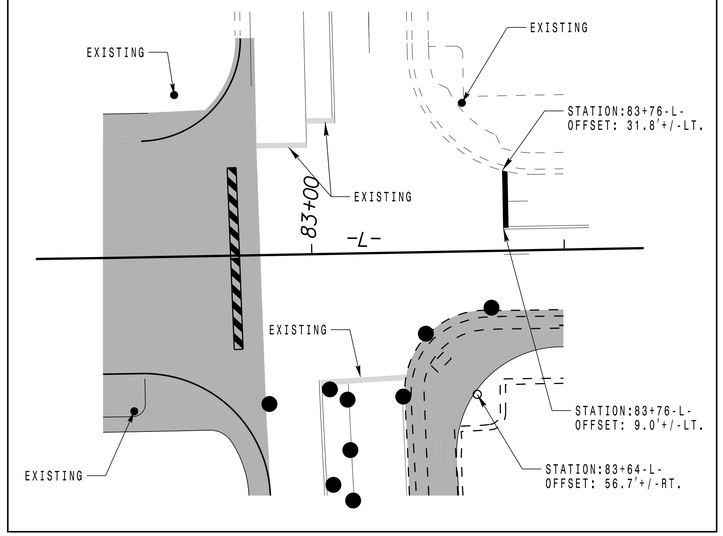
3 PHASE
FULLY ACTUATED
(GREENVILLE CITY SYSTEM)

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. Phase 7 may be lagged.
4. Program phase 4 and phase 8 for dual entry.
5. Pavement markings are existing.
6. Set all detector units to presence mode.
7. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
9. Intersection Zone Number: 3
   System Address Number: 23



STOP LINE AND POLE LOCATION DAIGRAM



ASC3 NEMA TIMING CHART

FEATURE	PHASE 04	PHASE 06	PHASE 07	PHASE 08
MINIMUM GREEN *	7 SEC.	10 SEC.	7 SEC.	7 SEC.
PASSAGE/GAP *	2.0 SEC.	3.0 SEC.	2.0 SEC.	2.0 SEC.
YELLOW CHANGE INT.	3.8 SEC.	3.0 SEC.	3.0 SEC.	3.8 SEC.
RED CLEARANCE	2.2 SEC.	2.9 SEC.	2.4 SEC.	2.2 SEC.
MAXIMUM 1 *	45 SEC.	60 SEC.	20 SEC.	45 SEC.
RECALL POSITION	NONE	MIN. RECALL	NONE	NONE
VEHICLE CALL MEMORY	NONLOCK	LOCK	NONLOCK	NONLOCK
WALK *	– SEC.	– SEC.	– SEC.	– SEC.
FLASHING DON'T WALK	– 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 Min Green and Extension times for phase 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

PROPOSED		EXISTING
○→	Traffic Signal Head	●→
◐→	Modified Signal Head	N/A
⊣	Sign	⊣
□	Pedestrian Signal Head With Push Button & Sign	■
○	Signal Pole with Guy	●
○	Signal Pole with Sidewalk Guy	●
▭	Inductive Loop Detector	▭
⊠	Controller & Cabinet	⊠
□	Junction Box	■
·-·-·	2-in Underground Conduit	·-·-·
N/A	Right of Way	– – –
→	Directional Arrow	→
▭	Construction Zone	▭
●–●	Construction Zone Drums	●–●
— TCE —	Temporary Easement	— TCE —
— PUE —	Permanant Utility Easement	— PUE —
Ⓐ	No U-Turn Sign (R3-4)	Ⓐ
Ⓑ	No Left Turn Sign (R3-2)	Ⓑ

TEMPORARY DESIGN 2 - TMP PHASE 2

PLANS PREPARED IN THE OFFICE OF:
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Prepared For:
Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section
1750 N.Greenfield Pkwy.Garner,NC 27529

SR 1598 (10th STREET)
AT
SR 1702 (EVANS STREET)

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE: JUNE 2014 REVIEWED BY: SL PHILLIPS
PREPARED BY: SP PENNINGTON REVIEWED BY:

SCALE 0 30' 1"=30'

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 032607 ENGINEER STACIE L. PHILLIPS

DocuSigned by: Stacie Phillips 9/2/2014
DC87A59ED6D8437...
SIGNATURE DATE

SIG. INVENTORY NO. 02-001612