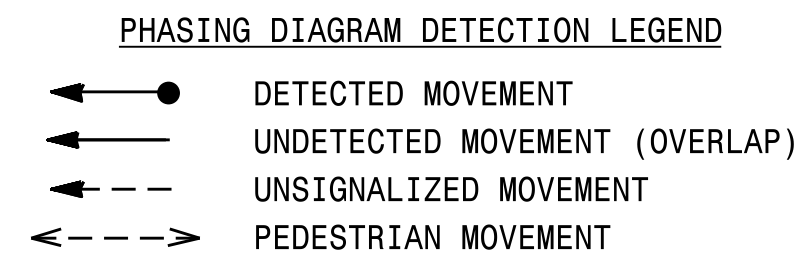
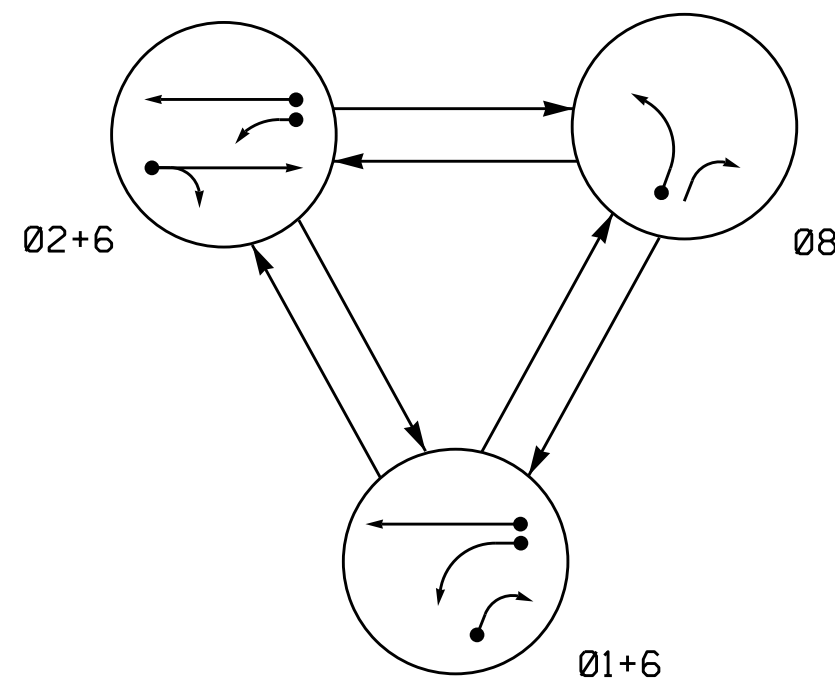
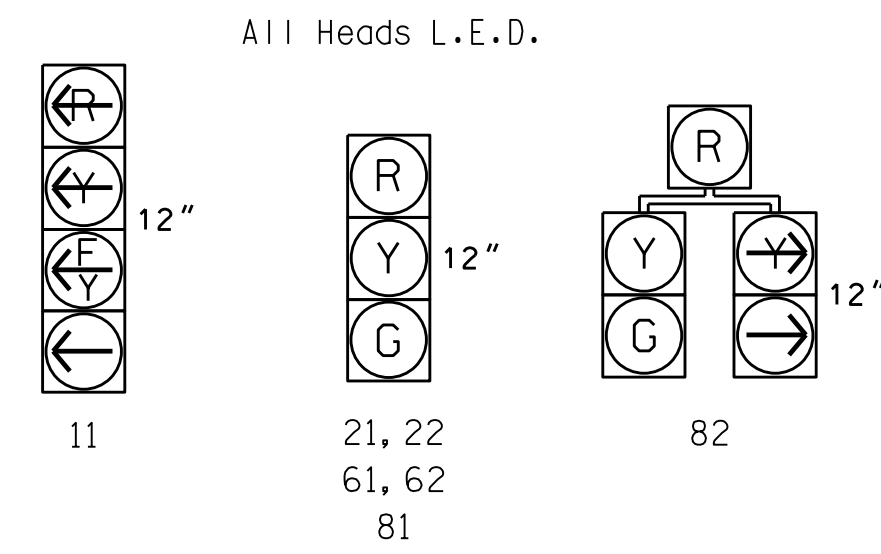


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	01+6	02+6	08	ISD/F
11	←	→	→	→
21,22	R	G	R	Y
61,62	G	G	R	Y
81	R	R	G	R
82	R	R	G	R

SIGNAL FACE I.D.

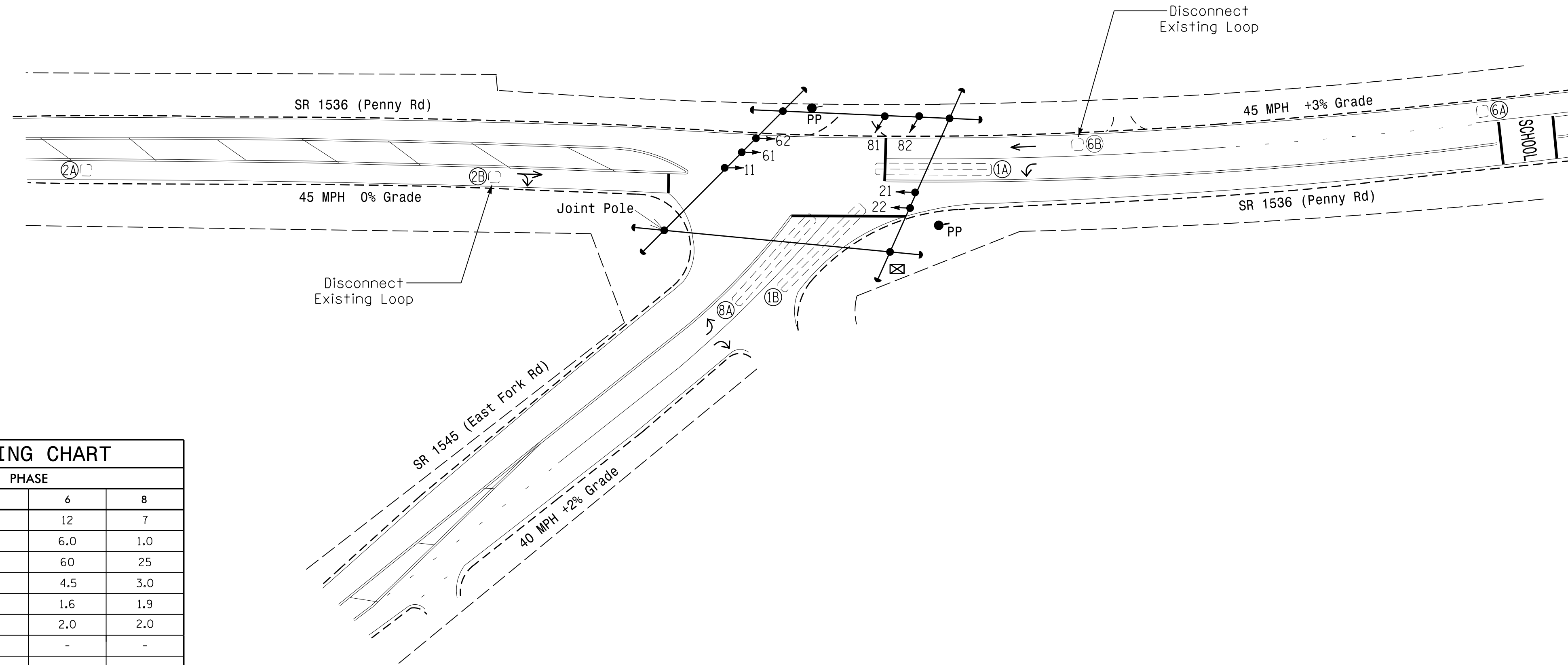


LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	DETECTOR PROGRAMMING							
				PHASE	CALLING	EXTENSION	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD	
1A	6X60	+5	2-4-2	-	1	Y	Y	-	15	-	Y
1B	6X60	+5	2-4-2	-	1	Y	Y	-	15	-	Y
2A	6X6	300	EXIST	-	2	Y	Y	-	-	-	Y
2B	6X6	90	EXIST	-	DISCONNECT		-	-	-	-	-
6A	6X6	300	EXIST	-	6	Y	Y	-	-	-	Y
6B	6X6	90	EXIST	-	DISCONNECT		-	-	-	-	-
8A	6X60	0	2-4-2	-	8	Y	Y	-	3	-	Y

3 Phase Fully Actuated (High Point Signal System)

NOTES

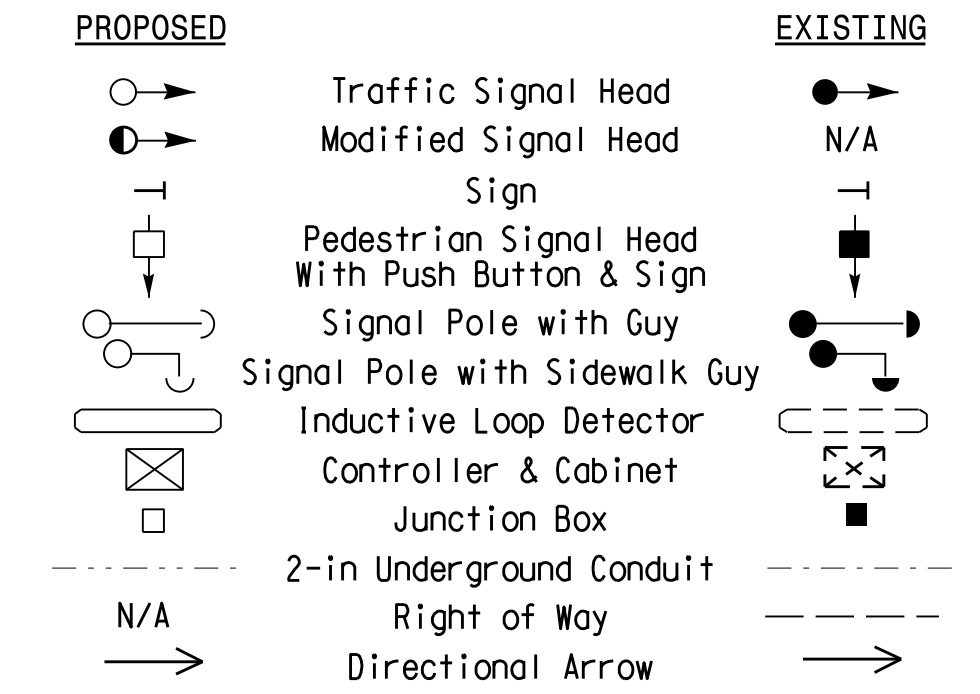
- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 may be lagged.
- Disconnect existing loops 2B and 6B.
- Set all detector units to presence mode.
- In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Pavement markings are existing.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



FEATURE	PHASE			
	1	2	6	8
Min Green 1 *	7	12	12	7
Extension 1 *	1.0	6.0	6.0	1.0
Max Green 1 *	15	60	60	25
Yellow Clearance	3.0	4.5	4.5	3.0
Red Clearance	1.9	1.6	1.6	1.9
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	2.5	2.5	-
Max Variable Initial *	-	34	34	-
Time Before Reduction *	-	15	15	-
Time To Reduce *	-	30	30	-
Minimum Gap	-	3.0	3.0	-
Recall Mode **	-	SOFT RECALL	SOFT RECALL	-
Vehicle Call Memory	-	YELLOW	YELLOW	-
Dual Entry	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON

* 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.
 ** May be changed to Min Recall by Time of Day at discretion of City Traffic Engineer.

LEGEND



Signal Upgrade

SR 1536 (Penny Road)
at
SR 1545 (East Fork Road)

Division 7 Guilford County High Point

PLAN DATE: June 2014 REVIEWED BY:

PREPARED BY: T. L. Averette REVIEWED BY:

REVISIONS: _____ INIT. DATE

SCALE: 1" = 40'

DATE: 3/13/2015

SIG. INVENTORY NO. 07-1853

SEAL

ROBERT J. ZIEMBA
ENGINEER
026486

13-MAR-2015 14:57
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