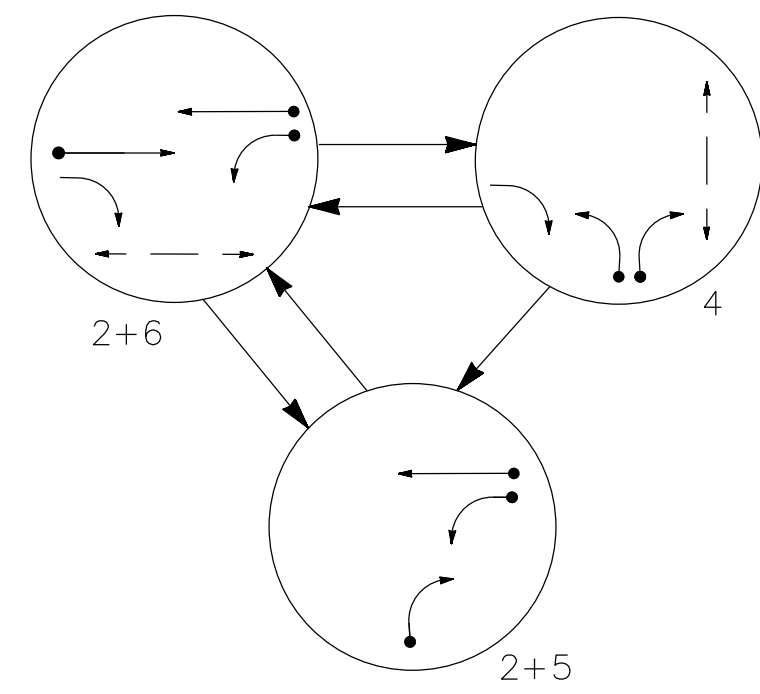


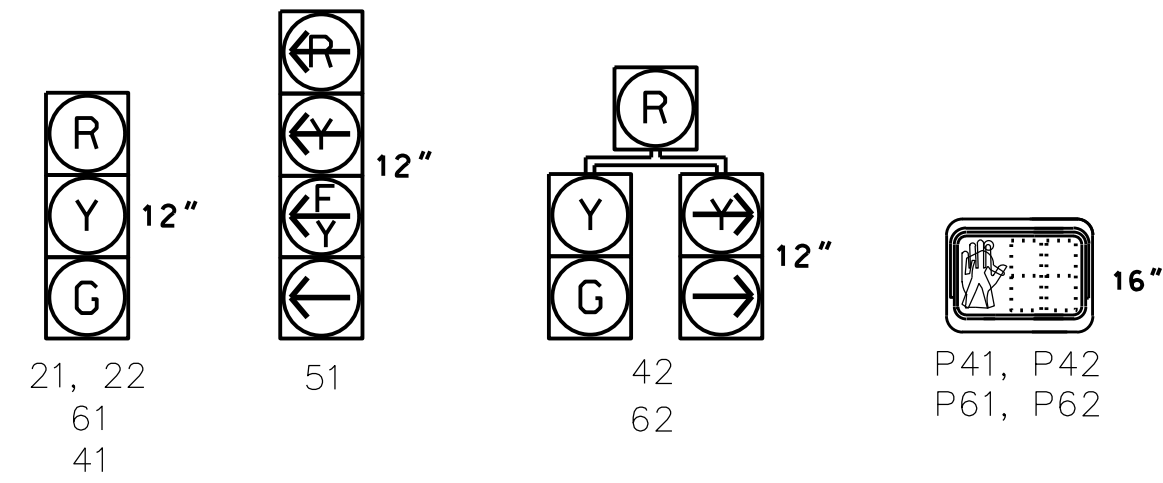
PHASING DIAGRAM



PHASING DIAGRAM
DETECTION LEGEND

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

SIGNAL FACE I.D.



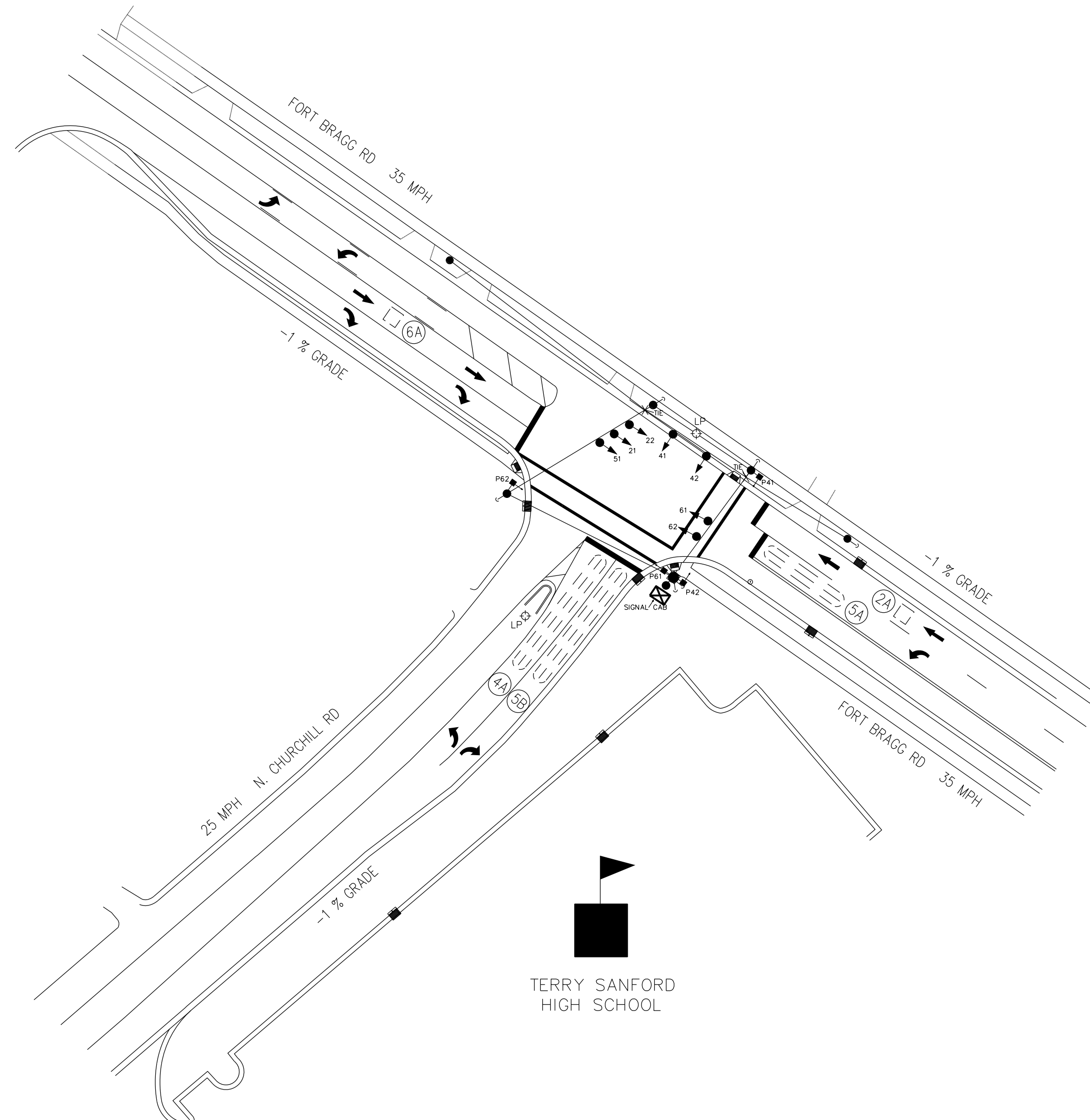
SIGNAL FACE	PHASE			
	2	4	5	6
21, 22	R	G	R	Y
41	R	R	G	R
42	R	G	R	Y
51	—	F	R	Y
61	R	G	R	Y
62	R	G	R	Y
P41,P42	DW	DW	W	DRK
P61,P62	DW	W	DW	DRK

ASC/3 DETECTOR INSTALLATION CHART										
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING					
					PHASE	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
2A	6X6	70	4	-	2	-	-	S	-	Y
4A	6X60	0	2-4-2	-	4	-	3	S	-	Y
5A	6X40	0	2-4-2	-	5	-	15	S	-	Y
5B	6X60	0	2-4-2	-	5	-	15	S	-	Y
6A	6X6	70	4	-	6	-	-	S	-	Y

3-PHASE
FULLY ACTUATED
FAYETTEVILLE SIGNAL SYSTEM

NOTES

- REFER TO "ROADWAY STANDARD DRAWINGS NCDOT" DATED JULY 2012 AND STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JULY 2012.
- DO NOT PROGRAM SIGNAL FOR LATE NIGHT FLASHING OPERATION UNLESS OTHERWISE DIRECTED BY ENGINEER.
- THIS SIGNAL IS TO BE PART OF THE FAYETTEVILLE SIGNAL SYSTEM.
- SET ALL DETECTOR UNITS TO PRESENCE MODE.
- MAXIMUM TIMES SHOWN IN TIMING CHART ARE FOR FREE-RUN OPERATION ONLY. COORDINATED SIGNAL SYSTEM TIMING VALUES SHALL SUPERCEDE THESE VALUES.
- LOCATE NEW CABINET ON EXISTING FOUNDATION.
- OMIT "WALK" AND FLASHING "DON'T WALK" WITH NO PEDESTRIAN CALLS.
- PROGRAM PEDESTRIAN HEADS TO COUNTDOWN THE FLASHING "DON'T WALK" TIME ONLY.



ASC/3 TIMING CHART

FEATURE	PHASE			
	2	4	5	6
Min Green *	10	7	7	10
Walk *	-	5	-	5
Ped Clear	-	9	-	18
Veh. Extension *	3.0	1.0	1.0	3.0
Max I *	50	25	25	50
Yellow	3.9	3.2	3.2	3.9
Red Clear	1.5	1.7	2.0	1.6
Actuations B4 Add *	-	-	-	-
Seconds / Actuation *	-	-	-	-
Max Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Locking Detector	X	-	-	X
Recall Position	VEH. RECALL	-	-	VEH. RECALL
Dual Entry	-	-	-	-
Simultaneous Gap	X	X	X	X

* 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.

LEGEND

- | PROPOSED | | EXISTING |
|----------|-------------------------------|----------|
| ○ → | Traffic Signal Head | ● → |
| ● → | Modified Signal Head | N/A |
| — | Sign | — |
| □ → | Pedestrian Signal Head | ■ → |
| ○ — | Signal Pole with Guy | ● — |
| ○ — | Signal Pole with Sidewalk Guy | ● — |
| — | Inductive Loop Detector | — |
| ⊠ | Controller & Cabinet | ⊠ |
| □ | Junction Box | ■ |
| — | 2-in Underground Conduit | — |
| → | Right of Way | → |
| → | Directional Arrow | → |

Signal Upgrade

	FORT BRAGG ROAD AT CHURCHILL AVENUE		
	DIV 06 CUMBERLAND COUNTY FAYETTEVILLE PLAN DATE: NOVEMBER 2016 REVIEWED BY: RWT PREPARED BY: BLR REVIEWED BY:	REVISIONS INIT. DATE	
Prepared in the Offices of 		SEAL Russell W. Thompson 11/21/2016 DATE SIG. INVENTORY NO. C004	

default \\NCF-DATA\Proj\360655-U-5742-Fay-Sig\Project\Sigs\Design\100%FINAL SEALED PLANS\Revised 1172016\FtBregg-et-Churchill.dgn 11/21/2016 2:21:18 PM