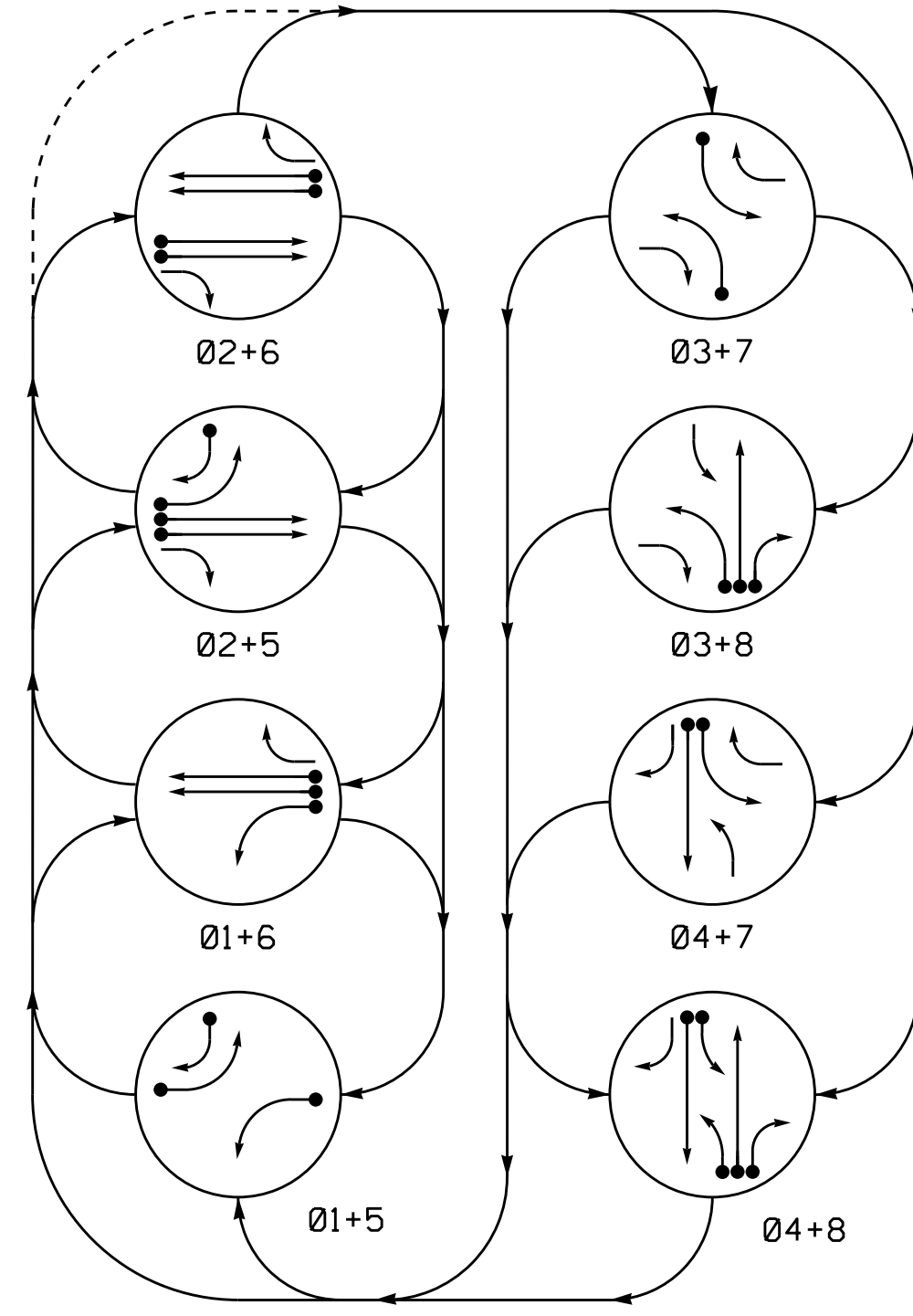


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE								FLASH
	01+5	02+5	03+5	04+5	01+6	02+6	03+6	04+6	
11	←	←	←	←	←	←	←	←	
21, 22	R	R	G	G	R	R	R	R	Y
23	R	R	G	G	R	R	R	R	Y
31	←	←	←	←	←	←	←	←	
41	R	R	R	R	R	R	G	G	R
42	R	R	R	R	R	R	G	G	R
51	←	←	←	←	←	←	←	←	
61	R	G	R	G	R	R	R	R	Y
62	R	G	R	G	R	R	R	R	Y
71	←	←	←	←	←	←	←	←	
81, 82	R	R	R	R	R	G	R	G	R

SCHOOL FLASHER TABLE OF OPERATION		
SIGNAL FACE	INTERVAL	
	1	2
101, 103	ON	OFF
102, 104	OFF	ON

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING							
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6X40	+5	2-4-2	-	1	Y	Y	-	-	3	-	Y
2A, 2B	6X6	300	EXIST	-	2	Y	Y	-	-	-	-	Y
2C, 2D	6X6	90	EXIST	-	DISCONNECT							-
3A	6X40	0	2-4-2	-	3	Y	Y	-	-	15	-	Y
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	3	-	Y
5A	6X40	0	2-4-2	-	5	Y	Y	-	-	3	-	Y
5B	6X40	0	2-4-2	-	5	Y	Y	-	-	15	-	Y
6A, 6B	6X6	300	EXIST	-	6	Y	Y	-	-	-	-	Y
6C, 6D	6X6	90	EXIST	-	DISCONNECT							-
7A	6X40	0	2-4-2	-	7	Y	Y	-	-	15	-	Y
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	3	-	Y
8B	6X20	0	2-4-2	Y	8	Y	Y	-	-	15	-	Y
S1	6X6	+335	EXIST	-	-	-	-	-	-	-	-	Y
S2	6X6	+335	EXIST	-	-	-	-	-	-	-	-	Y
S3	6X6	+175	EXIST	-	-	-	-	-	-	-	-	Y
S4	6X6	+175	EXIST	-	-	-	-	-	-	-	-	Y

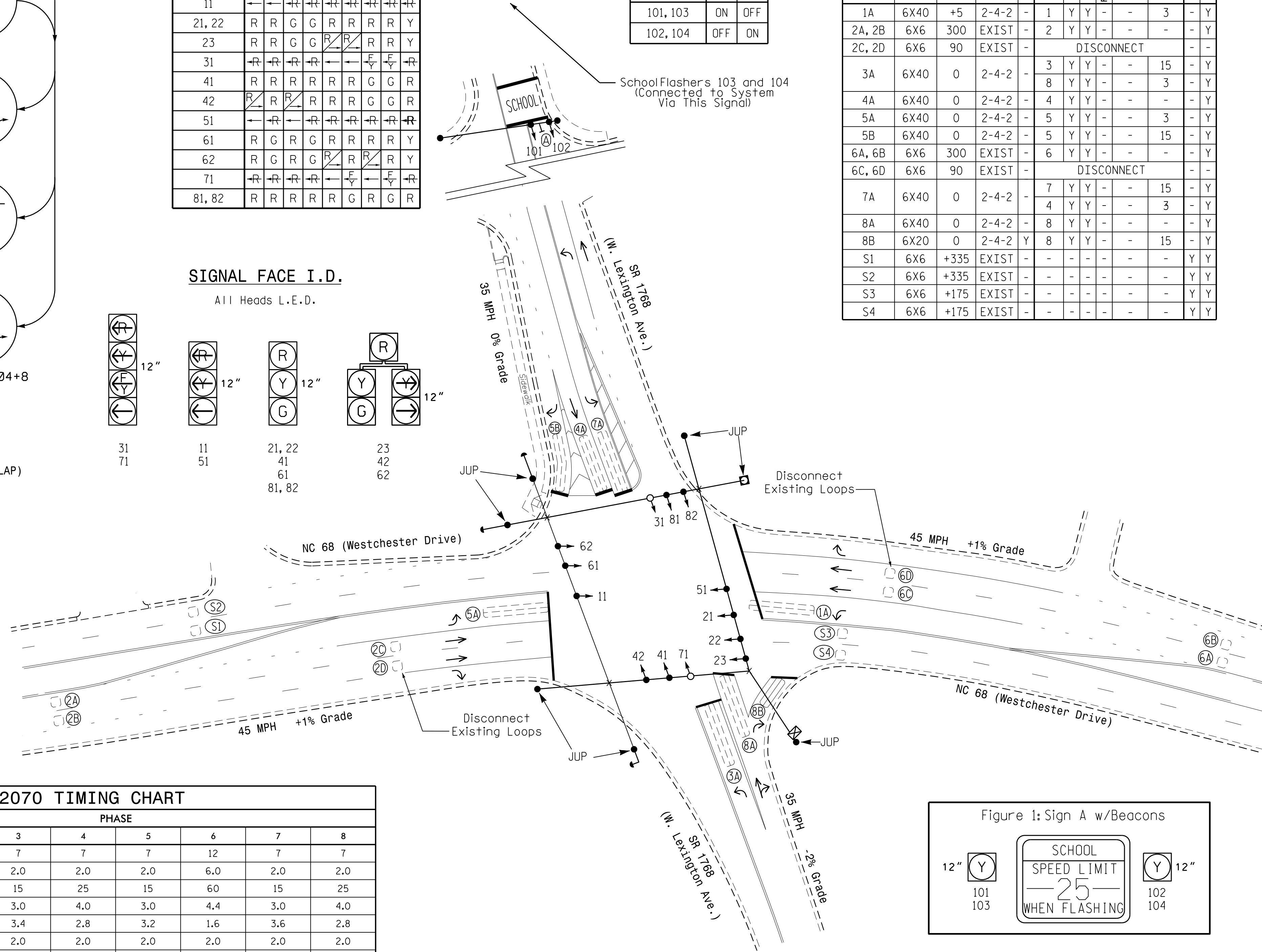
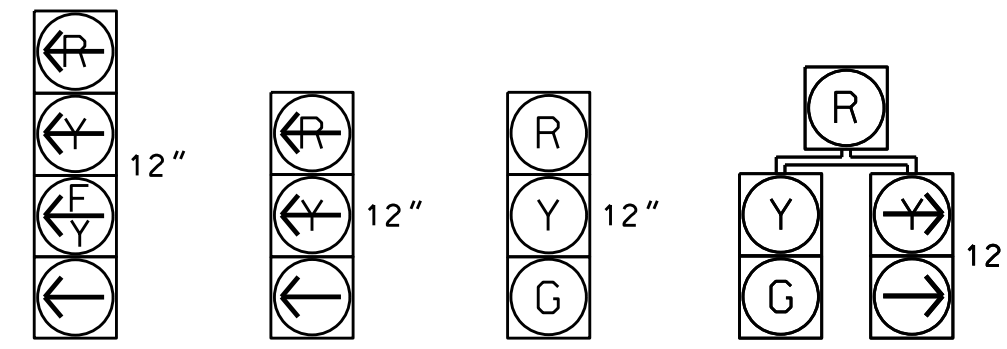
8 Phase Fully Actuated (High Point Signal System)

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 and/or phase 5 may be lagged.
- Phase 3 and/or phase 7 may be lagged.
- Program School Flasher to operate as directed by the Engineer.
- Reposition existing signal heads numbered 41 and 81.
- 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.
- Pavement markings are existing.
- The Division Traffic Engineer will determine the hours of use for the school warning beacons.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

SIGNAL FACE I.D.

All Heads L.E.D.



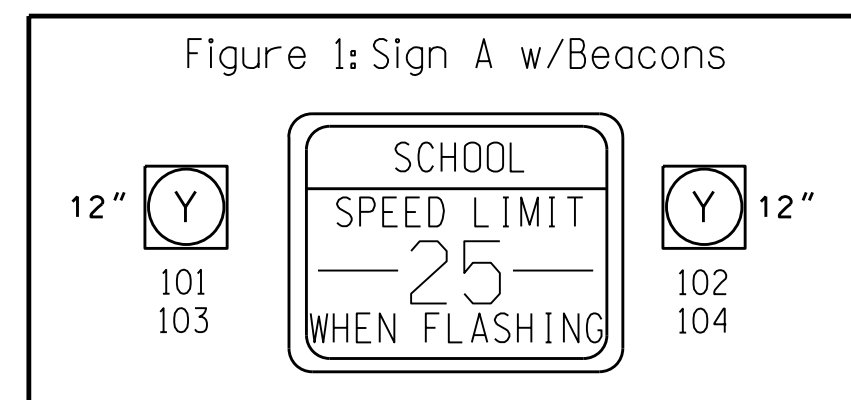
OASIS 2070 TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green 1 *	7	12	7	4	5	12	7	7
Extension 1 *	2.0	6.0	2.0	2.0	2.0	6.0	2.0	2.0
Max Green 1 *	15	60	15	25	15	60	15	25
Yellow Clearance	3.0	4.4	3.0	4.0	3.0	4.4	3.0	4.0
Red Clearance	2.4	2.3	3.4	2.8	3.2	1.6	3.6	2.8
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Walk 1 *	-	-	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-	-	-
Seconds Per Actuation *	-	1.5	-	-	-	1.5	-	-
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	-	-	-	ON	-	-	-	ON
Simultaneous Gap	ON	ON	ON	ON	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

- | PROPOSED | EXISTING |
|---|----------|
| ○ → Traffic Signal Head | ● → N/A |
| ○ → Modified Signal Head | ○ → N/A |
| ○ → Sign | ○ → N/A |
| ○ → Pedestrian Signal Head With Push Button & Sign | ○ → N/A |
| ○ → Signal Pole with Guy | ○ → N/A |
| ○ → Signal Pole with Sidewalk Guy | ○ → N/A |
| ○ → Inductive Loop Detector | ○ → N/A |
| ○ → Controller & Cabinet | ○ → N/A |
| ○ → Junction Box | ○ → N/A |
| ○ → 2-in Underground Conduit | ○ → N/A |
| ○ → Right of Way | ○ → N/A |
| ○ → Directional Arrow | ○ → N/A |
| ○ → "SCHOOL SPEED LIMIT 25 WHEN FLASHING" Sign (S5-1) w/ Beacons (See Figure 1) | ○ → N/A |



Signal Upgrade

	NC 68 (Westchester Drive) at SR 1768 (W. Lexington Ave.)	
	Division 7 Guilford County High Point	PREPARED BY: Jeff Spence REVIEWED BY: N. Brinkley
PLAN DATE: August 2014 SCALE: 1"=40' DATE: 3/18/2015	REVISIONS: _____ INIT.: _____ DATE: _____	SIG. INVENTORY NO. 07-0756

18-MAR-2015 11:15
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