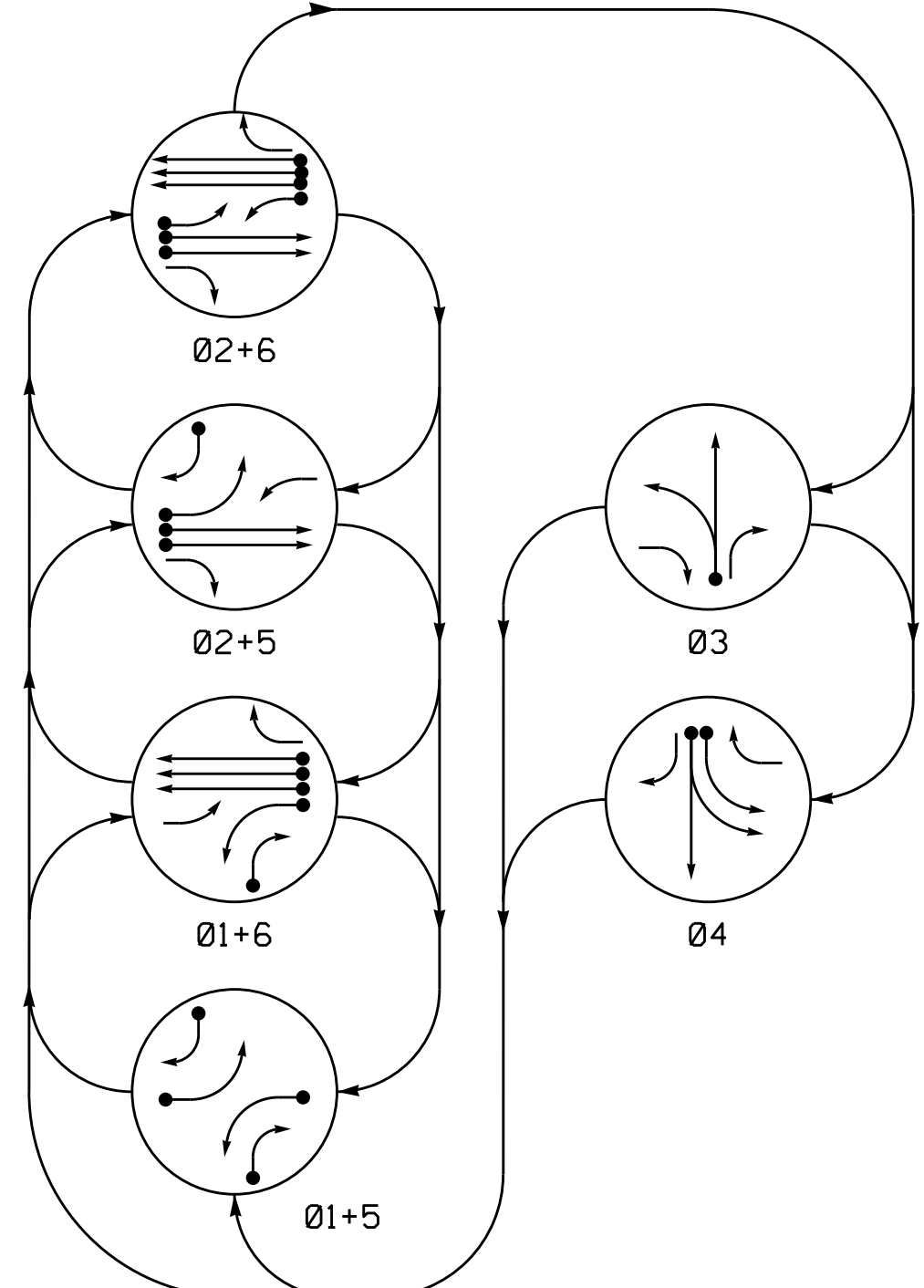
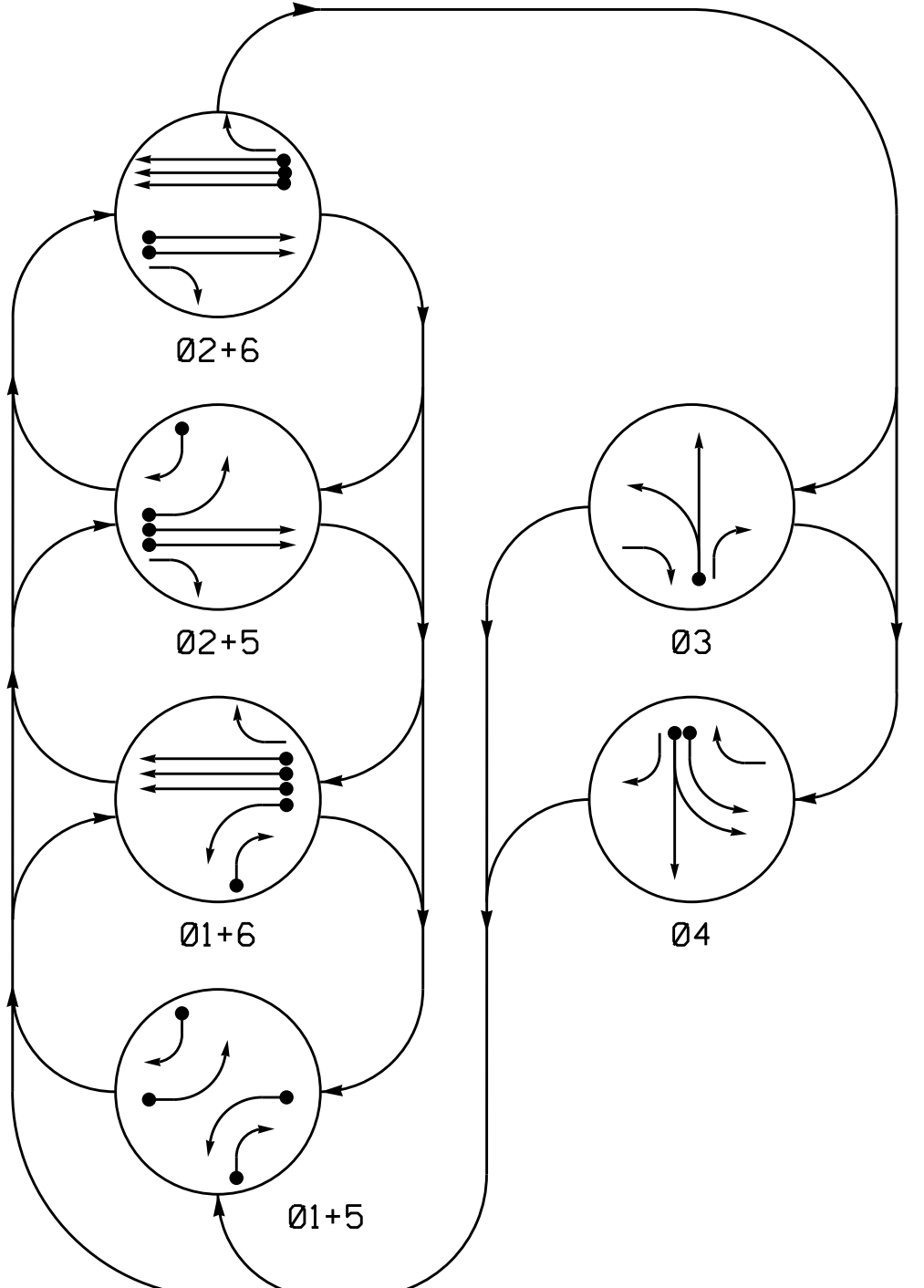


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

DEFAULT PHASING TABLE OF OPERATION

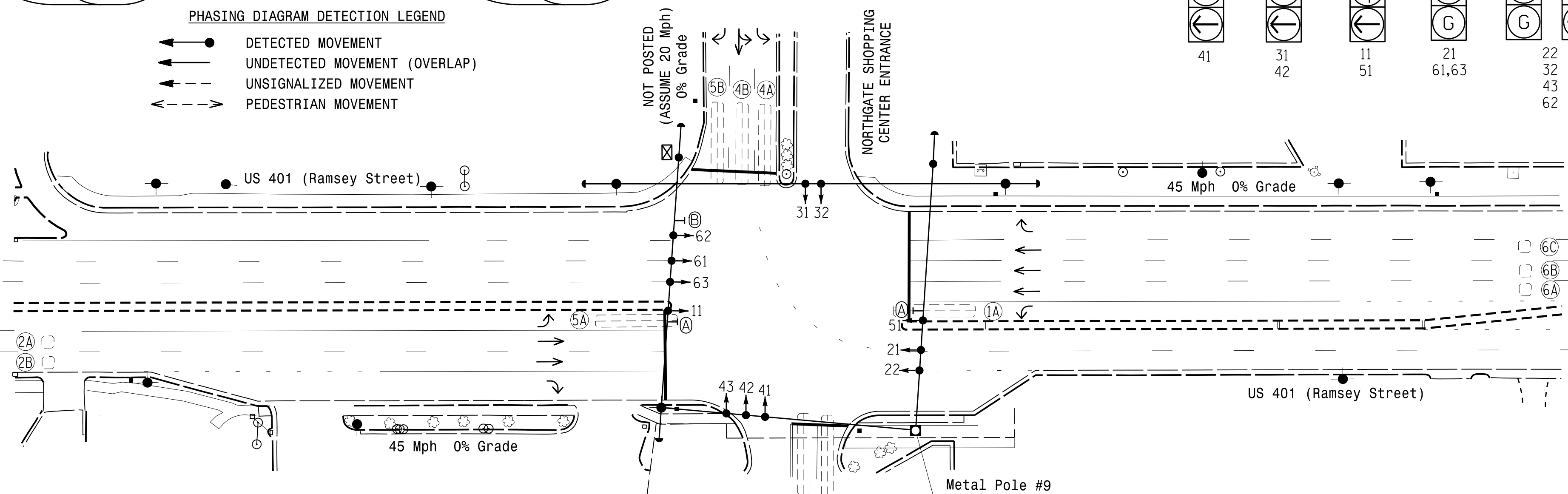
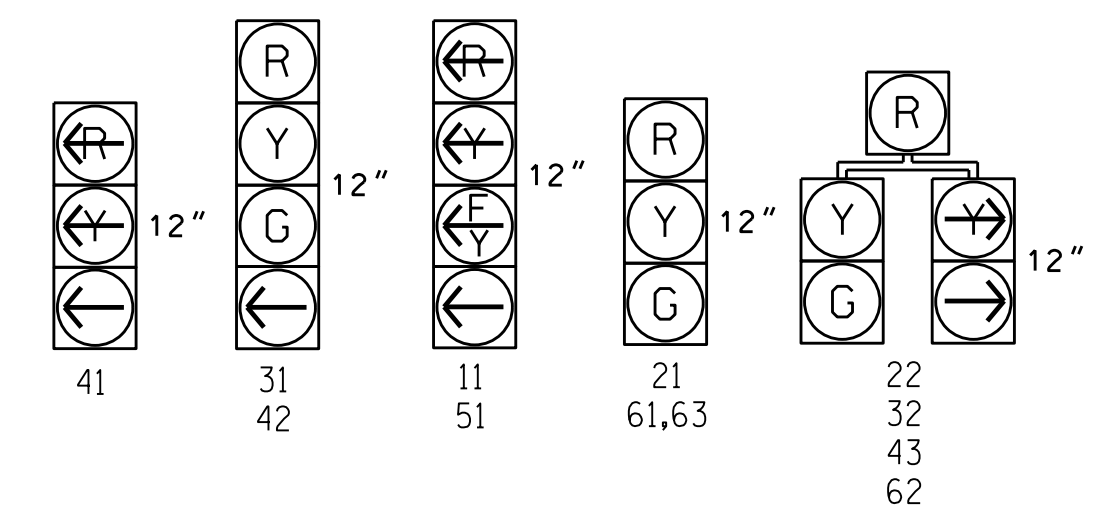
SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	03	04
11	←	←	←	←	←	←
21	R	R	G	G	R	R
22	R	R	G	G	R	R
31	R	R	R	R	G	R
32	R	R	R	R	G	R
41	R	R	R	R	R	←
42	R	R	R	R	R	←
43	R	R	R	R	R	←
51	←	←	←	←	←	←
61,63	R	G	R	G	R	R
62	R	G	R	G	R	R

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	03	04
11	←	←	←	←	←	←
21	R	R	G	G	R	R
22	R	R	G	G	R	R
31	R	R	R	R	G	R
32	R	R	R	R	G	R
41	R	R	R	R	R	←
42	R	R	R	R	R	←
43	R	R	R	R	R	←
51	←	←	←	←	←	←
61,63	R	G	R	G	R	R
62	R	G	R	G	R	R

SIGNAL FACE I.D.

All Heads L.E.D.



ASC/3 TIMING CHART

FEATURE	PHASE					
	1	2	3	4	5	6
Min Green *	7	12	7	7	7	12
Walk *	0	0	0	0	0	0
Ped Clear	0	0	0	0	0	0
Veh. Extension *	1.0	6.0	2.0	1.0	1.0	6.0
Max 1 *	25	90	15	30	25	90
Yellow	3.0	4.5	3.0	3.0	3.0	4.5
Red Clear	2.8	1.6	3.4	3.5	3.1	1.6
Actuations B4 Add *	-	0	-	-	-	0
Seconds / Actuation *	-	2.0	-	-	-	2.0
Max Initial *	-	34	-	-	-	34
Time Before Reduction *	-	15	-	-	-	15
Time To Reduce *	-	45	-	-	-	45
Minimum Gap	-	3.0	-	-	-	3.0
Locking Detector	-	X	-	-	-	X
Recall Position	-	VEH. RECALL	-	-	-	VEH. RECALL
Dual Entry	-	-	-	-	-	-
Simultaneous Gap	X	X	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.

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
1A	6X40	+5	2-4-2	-	1	-	*15	S	-	X
1B	6X40	+5	2-4-2	-	6**	-	3	S	-	X
2A,2B	6X6	300	5	-	2	-	-	S	-	X
3A	6X40	+5	2-4-2	-	3	-	3	S	-	X
4A	6X40	+5	2-4-2	-	4	-	-	S	-	X
4B	6X40	+5	2-4-2	-	4	-	-	S	-	X
5A	6X40	+5	2-4-2	-	5	-	*15	S	-	X
5B	6X40	+5	2-4-2	-	2**	-	3	S	-	X
6A,6B,6C	6X6	300	5	-	6	-	-	S	-	X

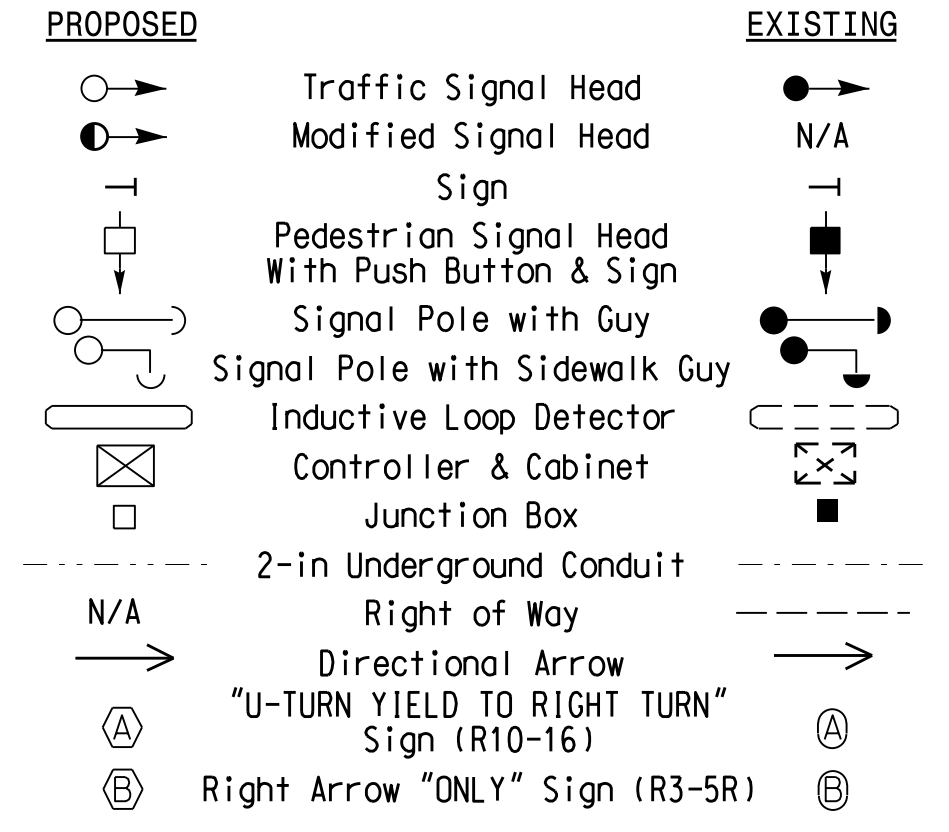
- * Disable Delay During Alternate Phasing Operation.
- ** Disable Phase 2/6 CallFor Loops 1A and 5A During Alternate Phasing Operation.

6 Phase Fully Actuated Fayetteville 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. Phase 1 and/or phase 5 may be lagged.
4. The order of phase 3 and phase 4 may be reversed.
5. Set all detector units to presence mode.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
7. Pavement markings are existing.
8. The Division Traffic Engineer will determine the hours of use for each phasing plan.
9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND



Signal Upgrade

US 401 (Ramsey Street) at Northgate Shopping Center and Entrance to Wendy's

Division 6 Cumberland County Fayetteville

PLAN DATE: December 2015 REVIEWED BY: JPG

PREPARED BY: Jeff Spence REVIEWED BY:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE: 1" = 40'

7/6/2016

SIG. INVENTORY NO. 06-0771

06-0771-2016-16-30 S:\115450\115_Signal\Signal Design\Section\Eastern Region\01\06-0771-2016-16-30.dgn