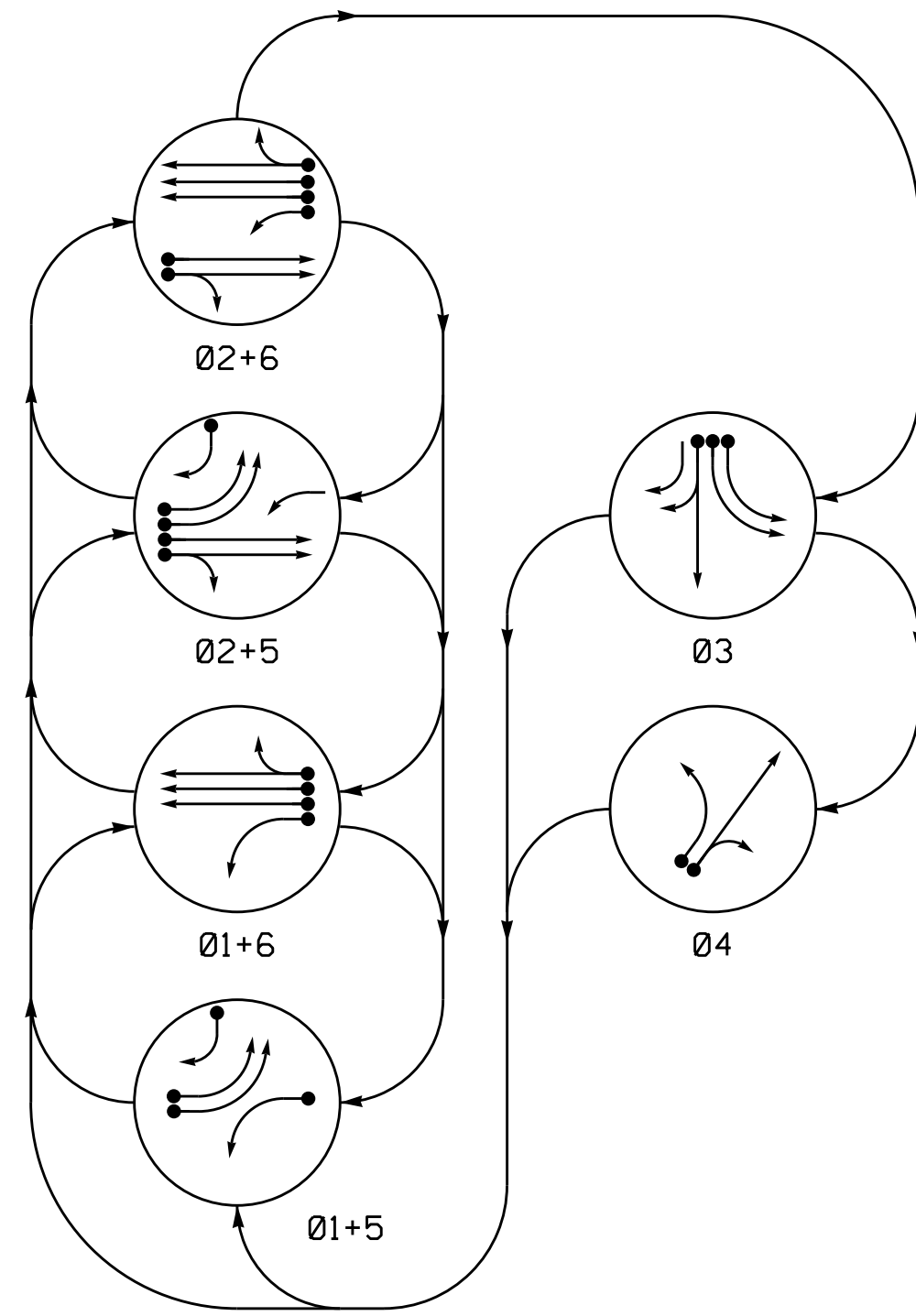


PHASING DIAGRAM

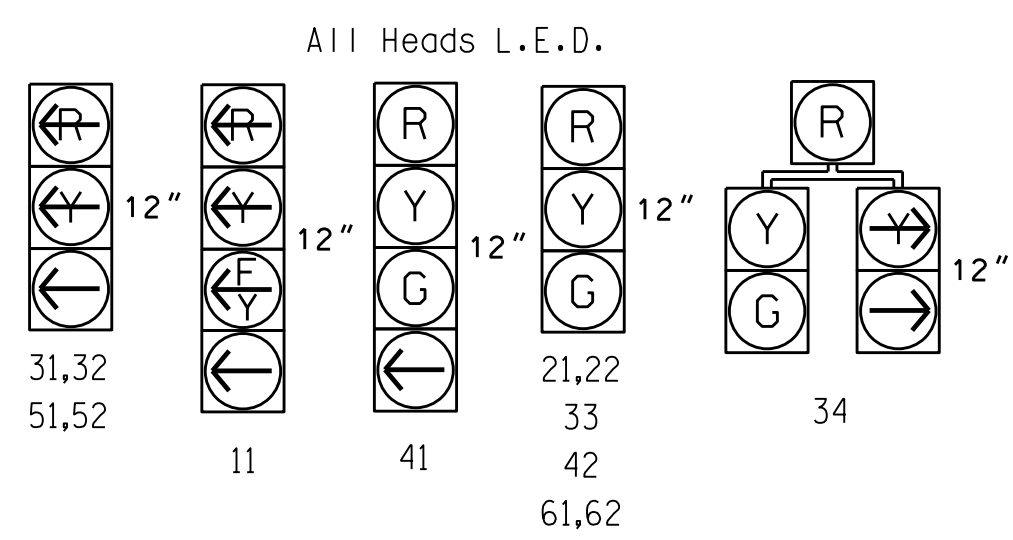


PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE	PHASE					
	01+5	01+6	02+5	02+6	03	04
11	→	→	→	→	→	→
21,22	R	R	G	G	R	R
31,32	R	R	R	R	→	→
33	R	R	R	R	G	R
34	R	R	R	R	G	R
41	R	R	R	R	R	G
42	R	R	R	R	R	G
51,52	→	→	→	→	→	→
61,62	R	G	R	G	R	R

SIGNAL FACE I.D.

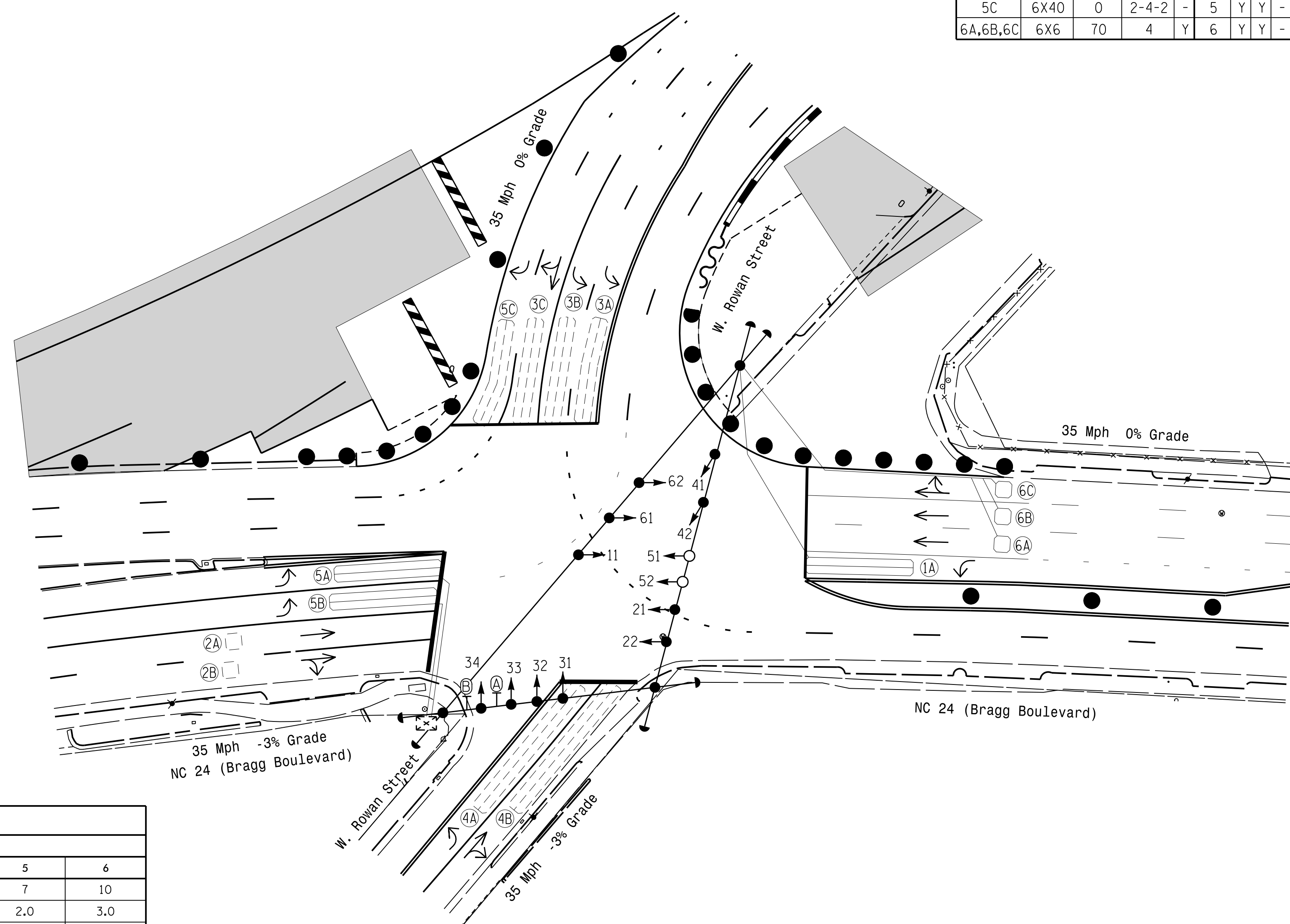


OASIS 2070 LOOP & DETECTOR INSTALLATION CHART											
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME		
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	15	-
2A	6X6	70	4	-	2	Y	Y	-	-	-	-
2B	6X6	70	4	-	2	Y	Y	-	-	-	-
3A	6X40	0	2-4-2	-	3	Y	Y	-	-	3	-
3B	6X40	0	2-4-2	-	3	Y	Y	-	-	3	-
3C	6X40	0	2-4-2	-	3	Y	Y	-	-	10	-
4A	6X60	0	2-4-2	-	4	Y	Y	-	-	3	-
4B	6X60	0	2-4-2	-	4	Y	Y	-	-	10	-
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	-	-
5B	6X40	0	2-4-2	Y	5	Y	Y	-	-	-	-
5C	6X40	0	2-4-2	-	5	Y	Y	-	-	15	-
6A,6B,6C	6X6	70	4	Y	6	Y	Y	-	-	-	-

6 Phase Fully Actuated Fayetteville Signal System

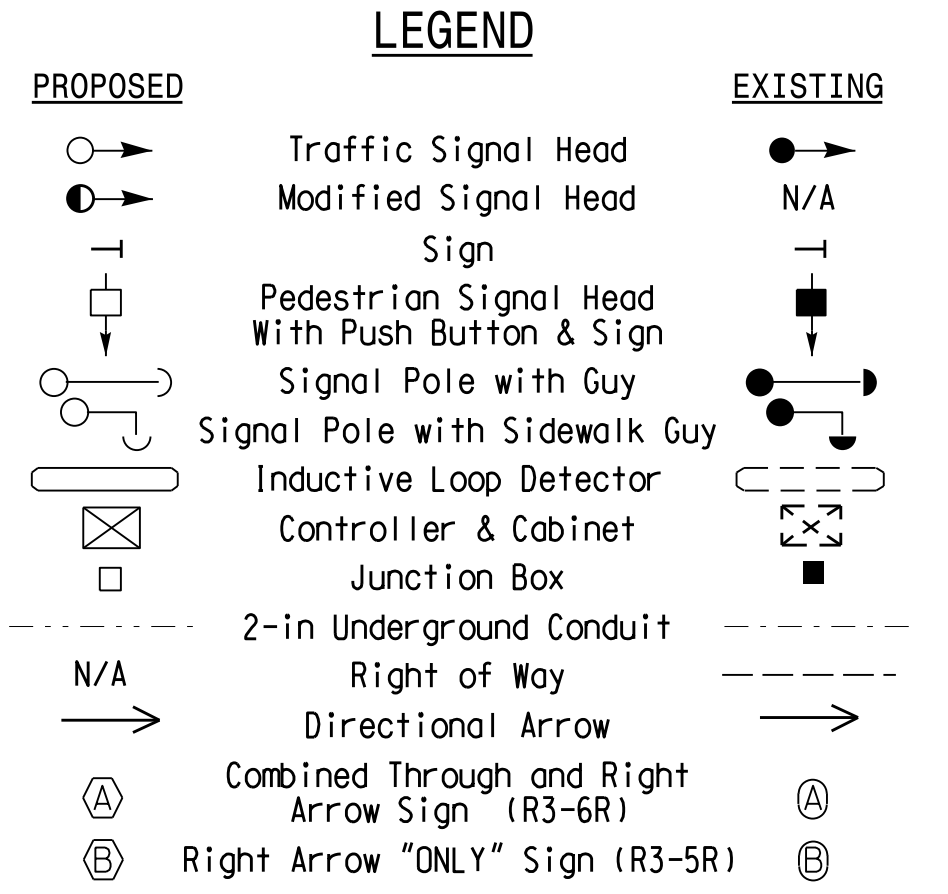
NOTES

- 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.
- The order of phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



OASIS 2070 TIMING CHART						
FEATURE	PHASE					
	1	2	3	4	5	6
Min Green 1*	7	10	7	7	7	10
Extension 1	2.0	3.0	2.0	1.0	2.0	3.0
Max Green 1*	20	50	30	30	20	50
Yellow Clearance	3.0	4.1	3.8	4.1	3.0	4.1
Red Clearance	3.3	2.9	2.3	2.2	3.1	2.9
Walk 1*	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-
Seconds Per Actuation*	-	-	-	-	-	-
Max Variable Initial*	-	-	-	-	-	-
Time Before Reduction*	-	-	-	-	-	-
Time To Reduce*	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-
Recall Mode	-	MIN RECALL	-	-	-	MIN RECALL
Vehicle Call Memory	-	YELLOW	-	-	-	YELLOW
Dual Entry	-	-	-	-	-	-
Simultaneous Gap	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.



Signal Upgrade - Temp 3 Phase 2

NC 24 (Bragg Boulevard) at West Rowan Street

Division 6 Cumberland County Fayetteville

PLAN DATE: July 2015 REVIEWED BY: JPG

PREPARED BY: Jeff Spence REVIEWED BY:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE 0 30 1"=30'

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 029904 JASON P. GALLOWAY 8/25/2015

SIG. INVENTORY NO. 06-003713

06-AUG-2015 11:40  
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