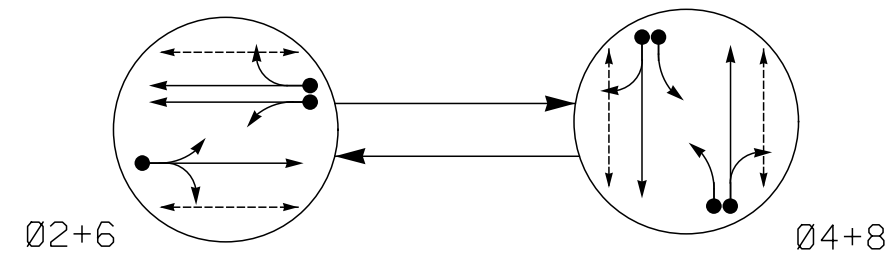


PHASING DIAGRAM



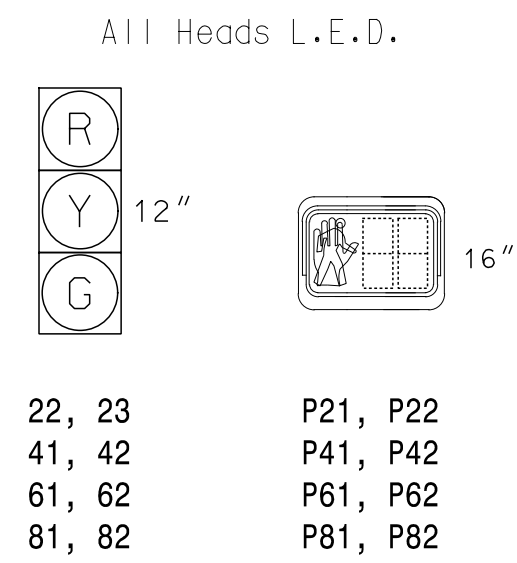
PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04+8	12+0
22, 23	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
81, 82	R	G	R
P21, P22	W	DW	DRK
P41, P42	DW	W	DRK
P61, P62	W	DW	DRK
P81, P82	DW	W	DRK

SIGNAL FACE I.D.



OASIS 2070L LOOP & DETECTOR INSTALLATION CHART

INDUCTIVE LOOPS				DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	PHASE	CALLING	EXTENSION	FULL TIME DELAY			STRETCH TIME
2A	6X6	70	4	Y	2	Y	Y	-	-	-
4A	6X40	0	2-4-2	Y	4	Y	Y	-	3	-
4B	6X40	0	2-4-2	Y	4	Y	Y	-	10	-
6A	6X6	70	4	Y	6	Y	Y	-	-	-
6B	6X6	70	4	Y	6	Y	Y	-	-	-
8A	6X40	0	2-4-2	Y	8	Y	Y	-	3	-
8B	6X40	0	2-4-2	Y	8	Y	Y	-	10	-

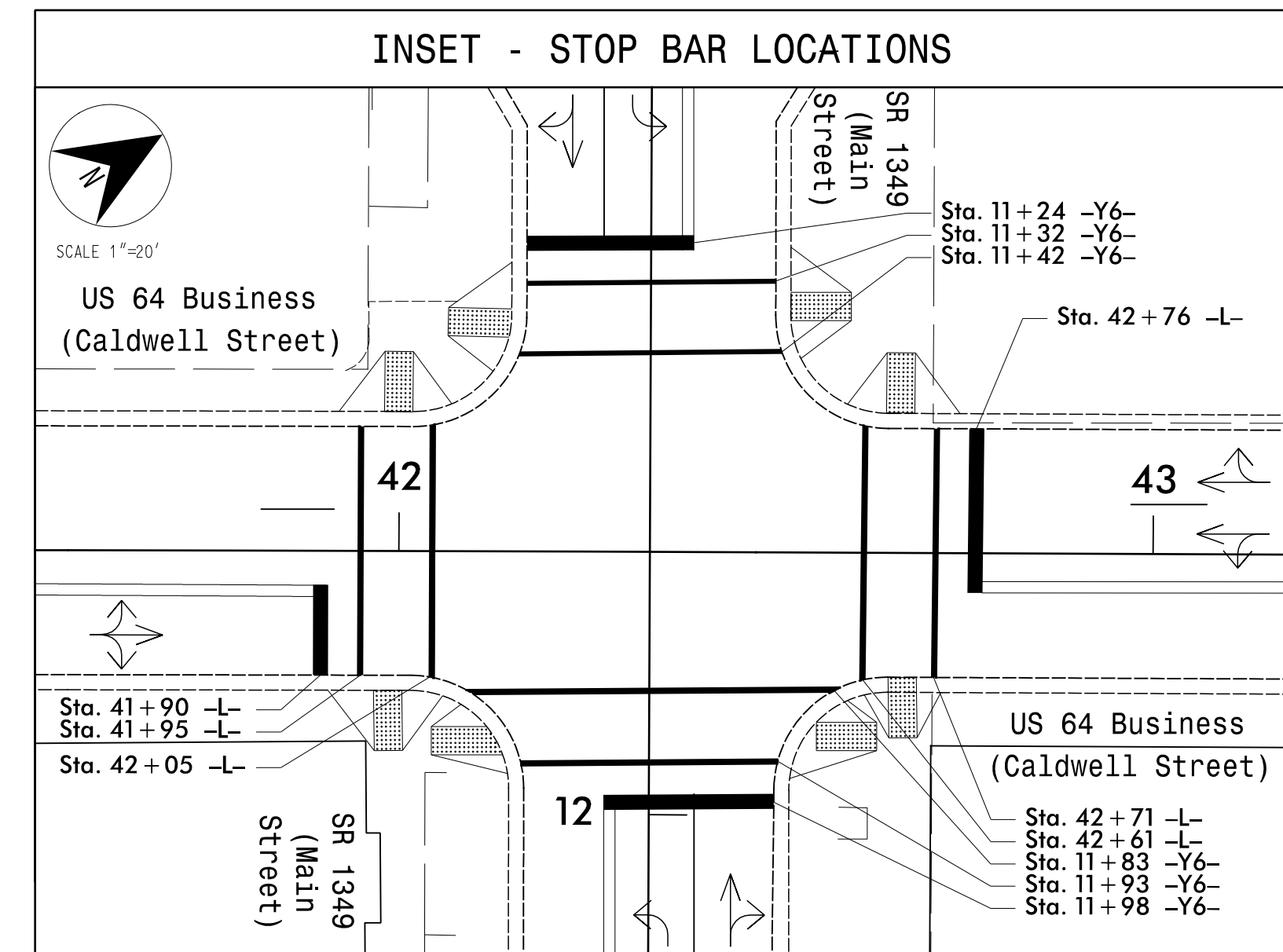
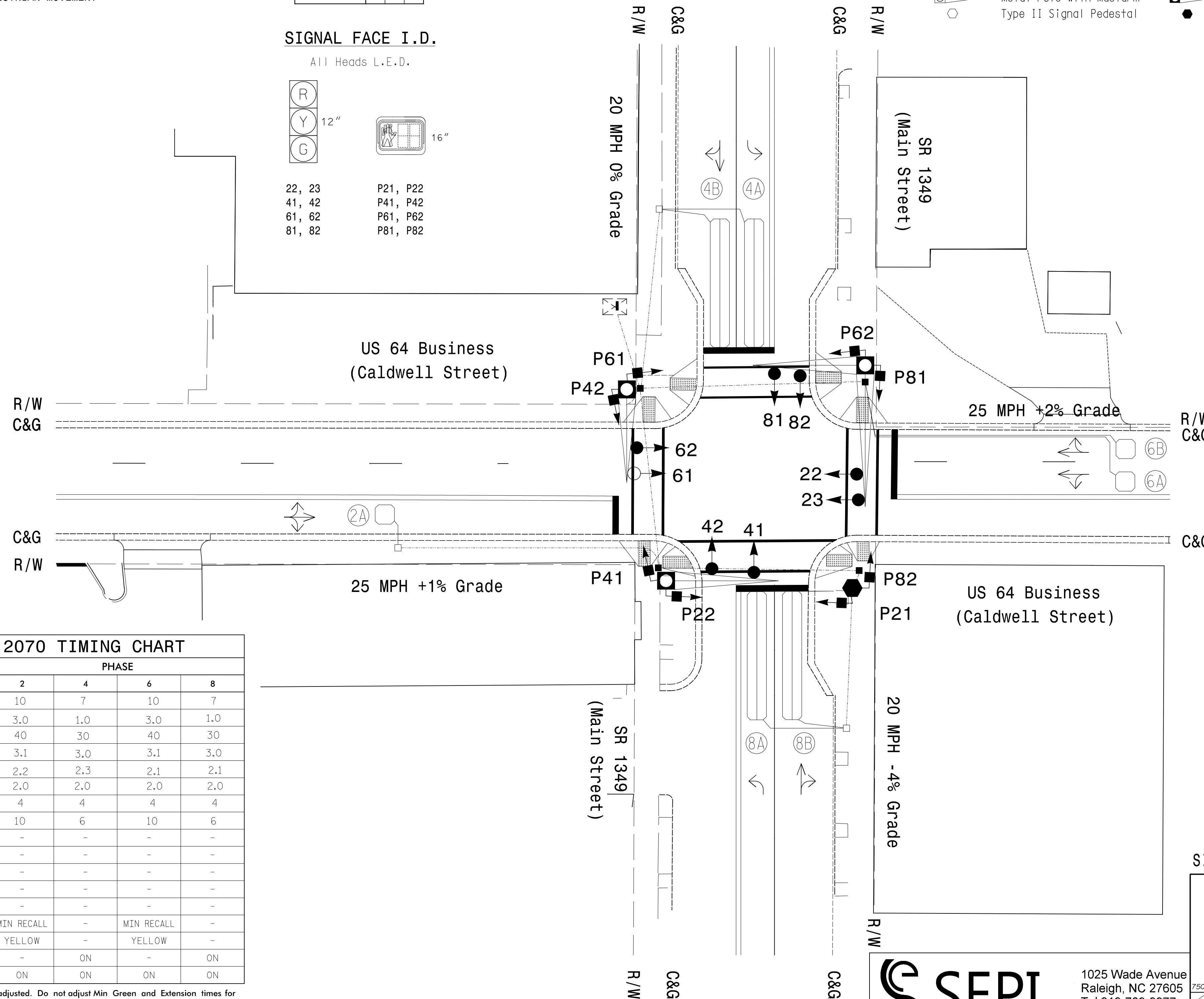
LEGEND

- | | |
|--|-----------------|
| 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 |
| ○ Directional Drill | ○ N/A |
| ○ Metal Pole with Mastarm | ○ N/A |
| ○ Type II Signal Pedestal | ○ N/A |

2 Phase Fully Actuated (Brevard Signal System)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 "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. Set all detector units to presence mode.
4. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
5. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
7. Closed loop system data: Controller Asset # 0638.
8. Pedestrian pedestals are conceptual and shown for reference only. See sheets P1-P3 for location details.
9. Contractor shall disconnect and remove existing signal heads #11 and #21.



OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	3.0	1.0	3.0	1.0
Max Green 1 *	40	30	40	30
Yellow Clearance	3.1	3.0	3.1	3.0
Red Clearance	2.2	2.3	2.1	2.1
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	4	4	4	4
Don't Walk 1	10	6	10	6
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	-	ON	-	ON
Simultaneous Gap	ON	ON	ON	ON

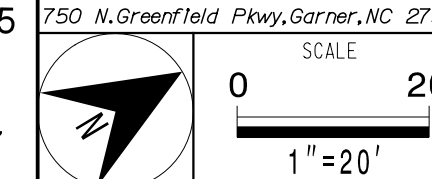
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

SIGNAL UPGRADE

Prepared For the Office of:
US 64 Bus. (Caldwell Street) at SR 1349 (Main Street)
 Division 14 Transylvania County Brevard
 PLAN DATE: May 2015 REVIEWED BY: J Hochanadel
 PREPARED BY: M Copple REVIEWED BY: J Kopaskie
 REVISIONS: _____ INIT. DATE: _____
 SEAL

 Digitized by: Joseph Kopaskie 7/31/2015
 DATE: _____
 SIG. INVENTORY NO. 14-0638

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7/31/2015
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 J.Kopaskie