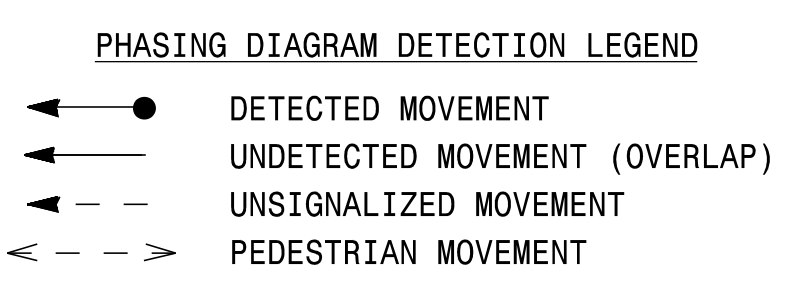
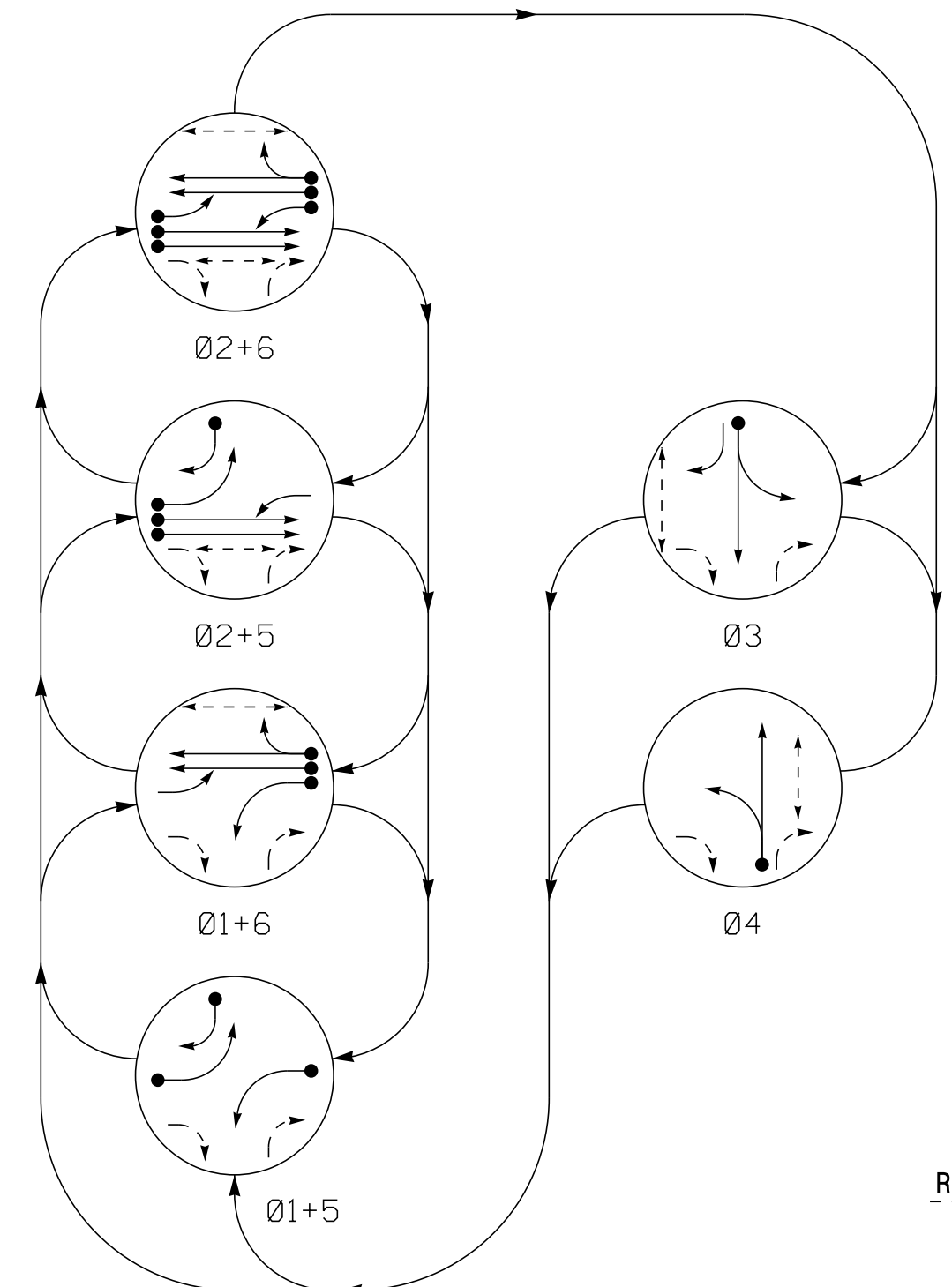


PHASING DIAGRAM



SIGNAL FACE I.D.

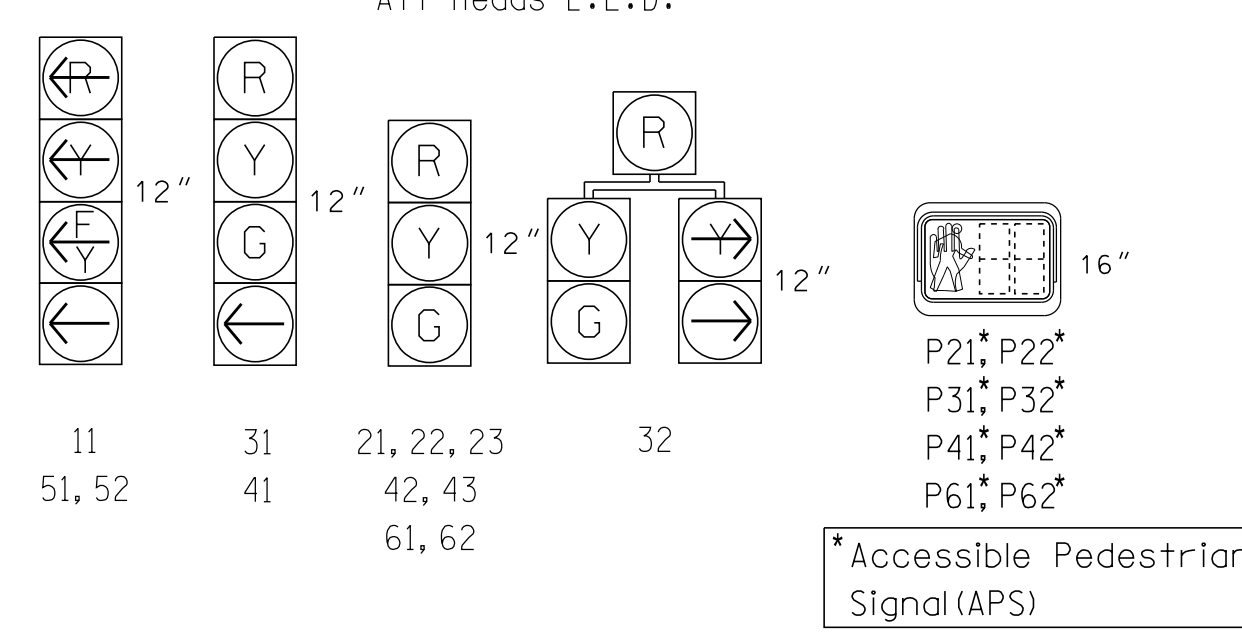


TABLE OF OPERATION

SIGNAL FACE	PHASE					
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 3	Ø 4
11	←	←	←	←	←	←
21, 22, 23	R	R	G	G	R	Y
31	R	R	R	R	G	R
32	R	R	R	R	G	R
41	R	R	R	R	G	R
42, 43	R	R	R	R	G	R
51, 52	←	←	←	←	←	←
61, 62	R	G	R	G	R	Y
P21, P22	DW	DW	W	W	DW	DRK
P31, P32	DW	DW	DW	DW	W	DRK
P41, P42	DW	DW	DW	DW	W	DRK
P61, P62	DW	W	DW	W	DW	DRK

MAXTIME DETECTOR INSTALLATION CHART

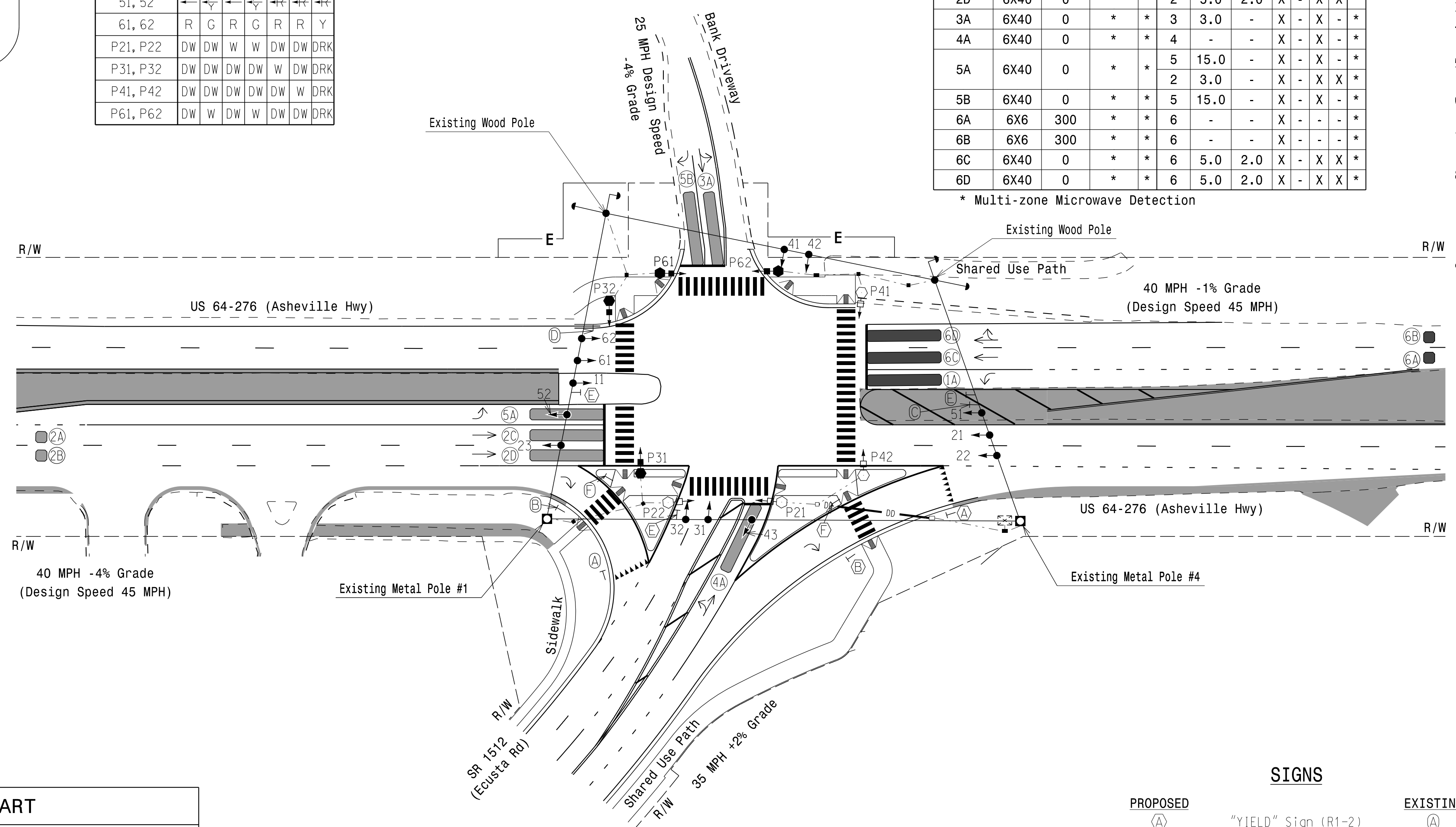
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL CALL	CALL DURING GREEN	NEW CARD	
1A	6X40	0	*	*	1	15.0	-	X	-	X	-	*
2A	6X6	300	*	*	2	-	-	X	-	-	-	*
2B	6X6	300	*	*	2	-	-	X	-	-	-	*
2C	6X40	0	*	*	2	5.0	2.0	X	-	X	X	*
2D	6X40	0	*	*	2	5.0	2.0	X	-	X	X	*
3A	6X40	0	*	*	3	3.0	-	X	-	X	-	*
4A	6X40	0	*	*	4	-	-	X	-	X	-	*
5A	6X40	0	*	*	5	15.0	-	X	-	X	-	*
5B	6X40	0	*	*	5	15.0	-	X	-	X	-	*
6A	6X6	300	*	*	6	-	-	X	-	-	-	*
6B	6X6	300	*	*	6	-	-	X	-	-	-	*
6C	6X40	0	*	*	6	5.0	2.0	X	-	X	X	*
6D	6X40	0	*	*	6	5.0	2.0	X	-	X	X	*

\* Multi-zone Microwave Detection

6 Phase Fully Actuated (Time Based Coordination)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 or phase 5 may be lagged.
- The order of phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Portions of detector zones 4A and 5A not shown for clarity.
- See pavement marking plans for proposed stop bar locations.
- All pedestrian push buttons shall be Vibro-Tactile.
- All APS shall use "Rapid Tick" sound.



MAXTIME TIMING CHART

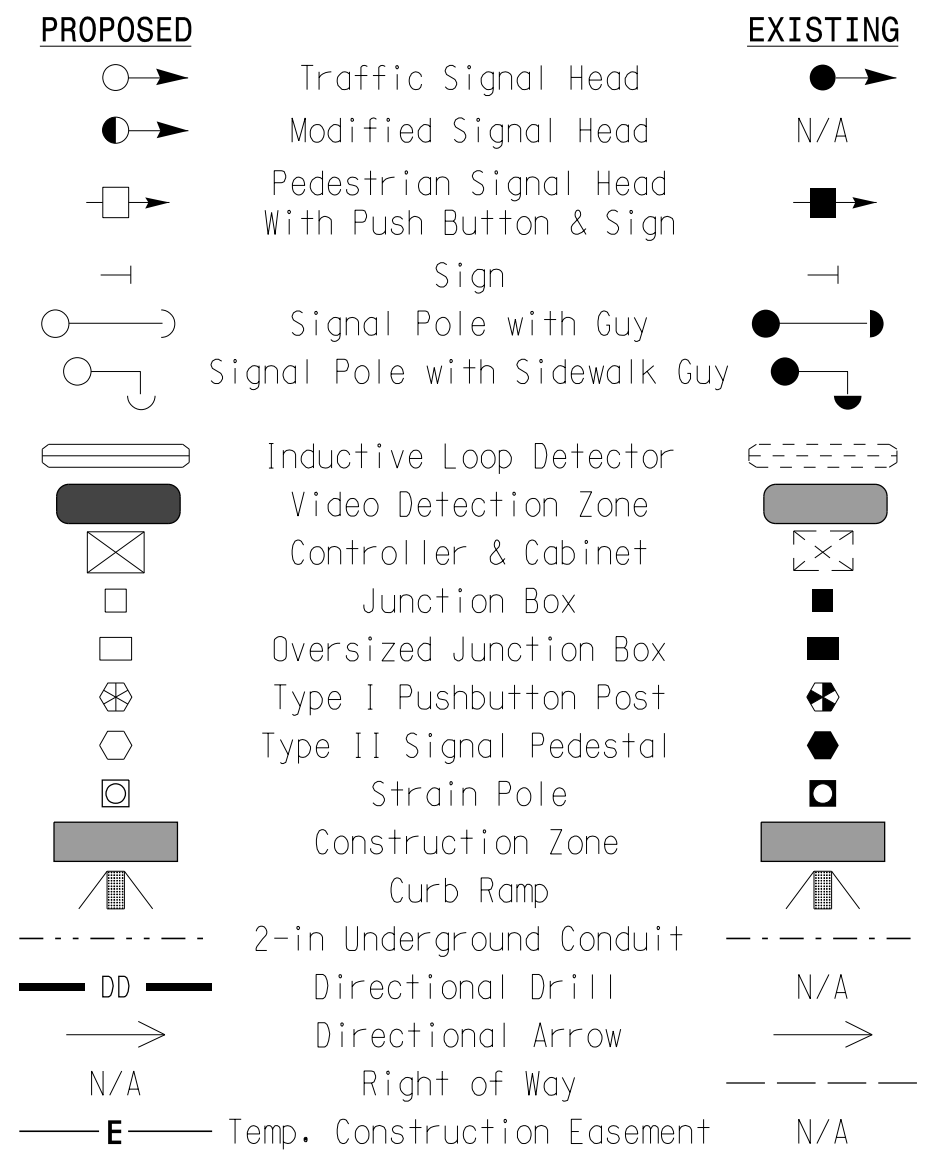
FEATURE	PHASE					
	1	2	3	4	5	6
Walk *	-	7	7	7	-	7
Ped Clear *	-	10	20	21	-	13
Min Green	7	12	7	7	7	12
Passage *	2.0	6.0	2.0	2.0	2.0	6.0
Max I *	25	90	15	20	15	90
Yellow Change	3.0	4.5	3.4	3.7	3.0	4.5
Red Clear	3.1	2.2	3.1	2.7	3.4	2.2
Added Initial *	-	-	-	-	-	-
Maximum Initial *	-	-	-	-	-	-
Time Before Reduction *	-	15	-	-	-	15
Time To Reduce *	-	30	-	-	-	30
Minimum Gap	-	3.0	-	-	-	3.0
Advance Walk	-	-	-	-	-	-
Non Lock Detector	X	-	X	X	X	-
Vehicle Recall	-	MIN. RECALL	-	-	-	MIN. RECALL
Dual Entry	-	-	-	-	-	-

\* 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.

ACCESSIBLE PEDESTRIAN SIGNAL OPERATION

SIGNAL FACE	VOICE	TONES	INTERVAL	SPEECH MESSAGE
P21	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk / Don't Walk	Wait, Wait to cross Ecusta.
P22	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk / Don't Walk	Wait, Wait to cross Ecusta.
P31	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk / Don't Walk	Wait, Wait to cross Asheville.
P32	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk / Don't Walk	Wait, Wait to cross Asheville.
P41	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk / Don't Walk	Wait, Wait to cross Asheville.
P42	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk / Don't Walk	Wait, Wait to cross Asheville.
P61	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk / Don't Walk	Wait, Wait to cross Driveway.
P62	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk / Don't Walk	Wait, Wait to cross Driveway.

LEGEND



SIGNS

- PROPOSED
- (A) "YIELD" Sign (R1-2)
  - (B) Pedestrian Crossing Sign (W11-2) w/ Left Downward Diagonal Plaque (W16-7pL)
  - (C) U-Turn "MUST YIELD" Sign
  - (D) "NO TURN ON RED" Sign (R10-11)
  - (E) Turning Vehicles Yield to Peds Sign (R10-15R)
  - (F) Pedestrian Crossing Sign (W11-2) w/ Right Downward Diagonal Plaque (W16-7pR)
- EXISTING
- (A) "YIELD" Sign (R1-2)
  - (B) Pedestrian Crossing Sign (W11-2) w/ Left Downward Diagonal Plaque (W16-7pL)
  - (C) U-Turn "MUST YIELD" Sign
  - (D) "NO TURN ON RED" Sign (R10-11)
  - (E) Turning Vehicles Yield to Peds Sign (R10-15R)
  - (F) Pedestrian Crossing Sign (W11-2) w/ Right Downward Diagonal Plaque (W16-7pR)

Temporary Signal 3 - TCP Phases III and IV

Prepared for the Offices of:

US 64-276 (Asheville Highway) at SR 1512 (Ecusta Road) / Bank Driveway

Division 14 Transylvania County Brevard

PLAN DATE: April 2023 REVIEWED BY: S.G. Haynie

PREPARED BY: P. Koloski REVIEWED BY:

REVISIONS

INIT. DATE

Scale: 1" = 40'

RS&H  
1520 SOUTH BOULEVARD, SUITE 200  
CHARLOTTE, NC 28203  
(704) 752-9610

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

SEAL 029531

DocuSigned by: Steven G. Haynie 4/28/2023

DATE

Sign Inventory No. 14-079873

4/28/2023 11:12:12 AM \\rsandh.com\h... 64-276 Intersection.Dwg:gnw\Traffic\Signal\gnw\Plan\_Sheets\W5799\_Sig\_Plan\_4-0-14079873.dgn