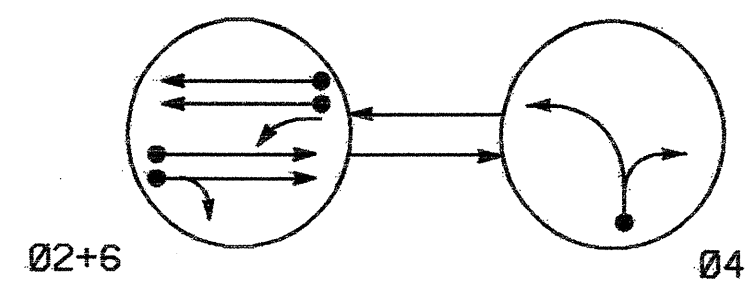


PHASING DIAGRAM

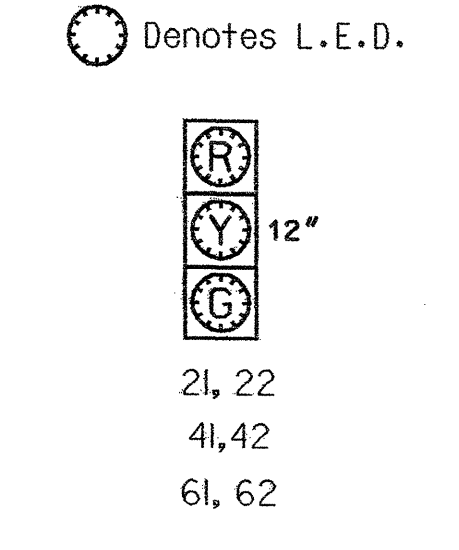


PHASING DIAGRAM DETECTION LEGEND
 ←● UNDETECTED MOVEMENT (OVERLAP)
 ← UNDETECTED MOVEMENT
 - - - UNSIGNALIZED MOVEMENT
 ← - - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	02+6	04	04
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y

SIGNAL FACE I.D.



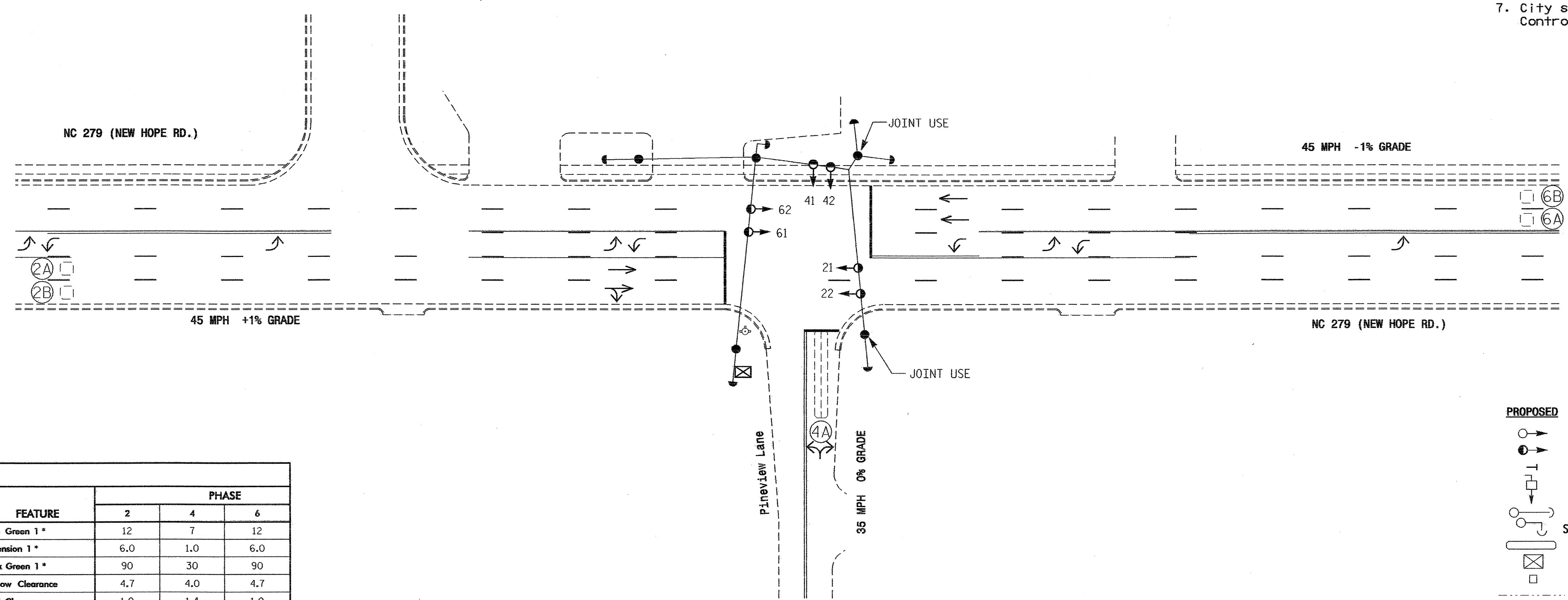
2070L LOOP & DETECTOR INSTALLATION

LOOP	INDUCTIVE LOOPS			DETECTOR PROGRAMMING								
	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
2A,2B	EXISTING	EXISTING	EXISTING	-	2	Y	Y	-	-	-	-	Y
4A	EXISTING	EXISTING	EXISTING	-	4	Y	Y	-	-	-	10	Y
6A,6B	EXISTING	EXISTING	EXISTING	-	6	Y	Y	-	-	-	-	Y

2 Phase Fully Actuated (Gastonia City System)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
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. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Pavement markings are existing.
6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
7. City system data: Controller Asset 1231.



FEATURE	PHASE		
	2	4	6
Min Green 1 *	12	7	12
Extension 1 *	6.0	1.0	6.0
Max Green 1 *	90	30	90
Yellow Clearance	4.7	4.0	4.7
Red Clearance	1.0	1.4	1.0
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	MIN RECALL	-	MIN RECALL
Vehicle Call Memory	YELLOW	-	YELLOW
Dual Entry	-	-	-
Simultaneous Gap	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.

LEGEND

PROPOSED	EXISTING
○ → Traffic Signal Head	● → N/A
● → Modified Signal Head Sign	-
⊥ Pedestrian Signal Head With Push Button & Sign	⊥
○ → Signal Pole with Guy	● → Signal Pole with Sidewalk Guy
⊠ Inductive Loop Detector	⊠
⊠ Controller & Cabinet	⊠
□ Pull Box	□
- - - 2-in Underground Conduit	- - -
→ Right of Way with Marker	→
→ Directional Arrow	→
→ Pavement Marking Arrow	→

Signal Upgrade

Prepared in the Office of:
NC 279 (New Hope Road) at Pineview Lane
 Division 12 Gaston County Gastonia
 PLAN DATE: January 2005 REVIEWED BY:
 PREPARED BY: C. Pierce REVIEWED BY: D. Y. Ishak
 SCALE: 1"=30'
 REVISIONS: INIT. DATE
 SIGNATURE: DATE
 12-1231