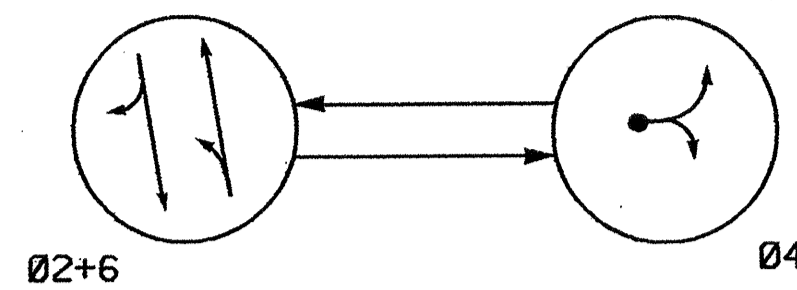


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- ←●→ DETECTED MOVEMENT
- ←○→ UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- ←- - -> PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø2+6	Ø4	F L E D C H
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y

SIGNAL FACE I.D.

○ Denotes L.E.D.



300mm
21, 22
41, 42
61, 62

2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (METERS)	TURNS	DISTANCE FROM STOPBAR (METERS)	DETECTOR PROGRAMMING							
				NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME
4A	1.8X18	2-4-2	0	Y	4	Y	Y	-	-	10	-

2 Phase
Semi-Actuated
(Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.

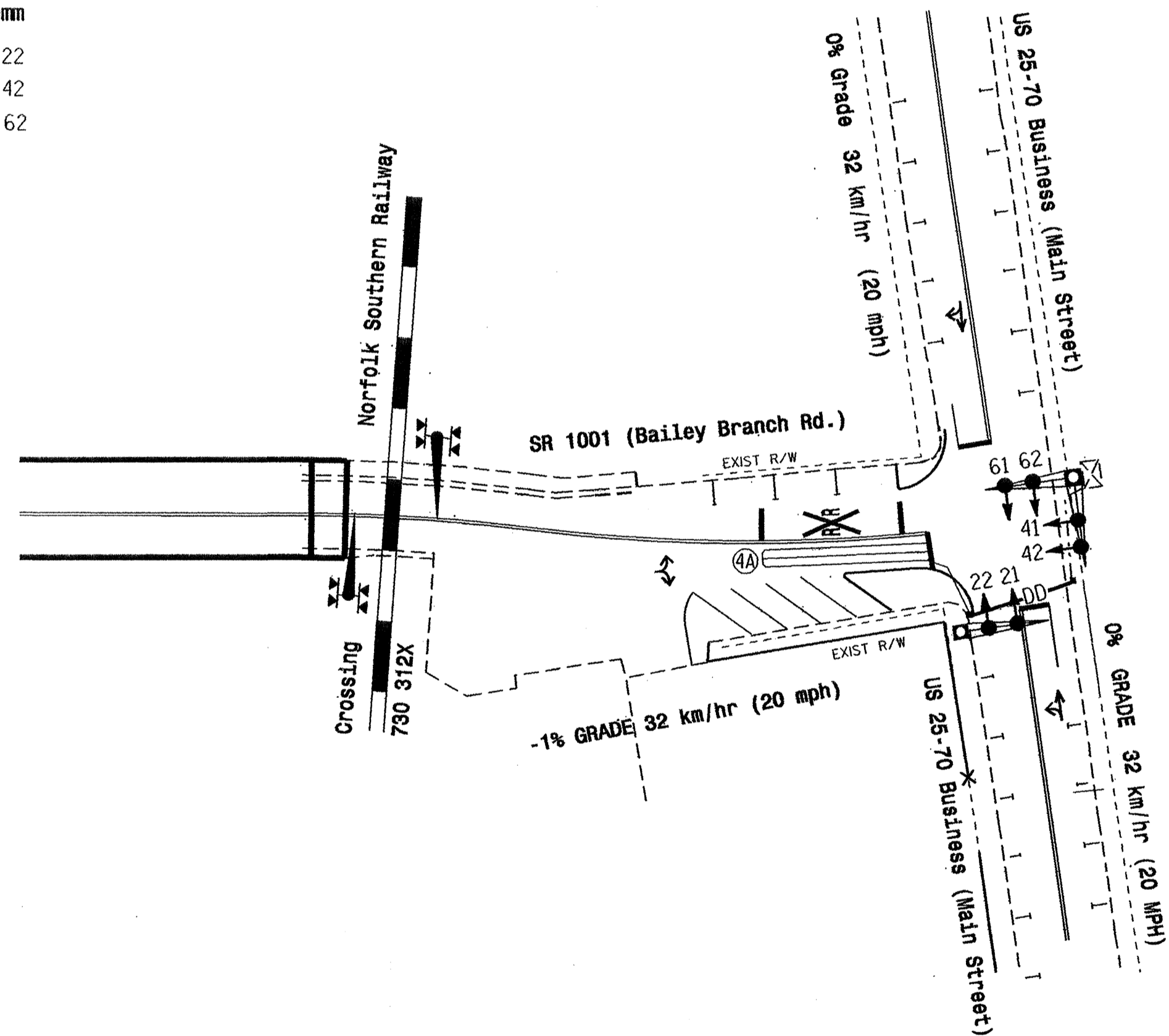
PLAN QUANTITIES

Pay Item	Meters
Signal Cable	0
Messenger Cable	0
Lead-in Cable	0

2070L TIMING CHART

FEATURE	PHASE		
	2	4	6
Min Green 1 *	10	7	10
Extension 1 *	0.0	1.0	0.0
Max Green 1 *	45	45	45
Yellow Clearance	4.0	4.0	4.0
Red Clearance	1.0	2.0	1.0
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	-	-	-
Max Variable Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Recall Mode	MAX RECALL	-	MAX RECALL
Vehicle Call Memory	-	-	-
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 |
|----------|----------|
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Final Design

	<p>Prepared in the Office of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STATE AND GEOMETRIC ENGINEER</p>		<p>SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 24393 J. WILLIAMS</p>								
	<p>US 25-70 Business (Main Street) at SR 1001 (Bailey Branch Rd.)</p>										
<p>Division 13 Madison County Marshall</p>		<p>PLANNED BY: May 2004 REVIEWED BY: R. J. Ziemba</p>									
<p>PREPARED BY: C. E. Pierce REVIEWED BY:</p>		<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DESCRIPTION	INIT.	DATE				
NO.	DESCRIPTION	INIT.	DATE								
<p>122 N. McDowell St., Raleigh, NC 27603</p>		<p>SCALE 5 0 10 1:500</p>									
<p>Signature: </p>		<p>Signature: </p>									
<p>DATE: 5/24/04</p>		<p>DATE: 5/24/04</p>									
<p>SIG. INVENTORY NO. 13-0313</p>		<p>SIG. INVENTORY NO. 13-0313</p>									

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