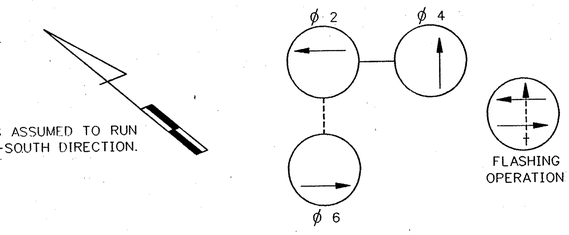
F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	BW1E14		

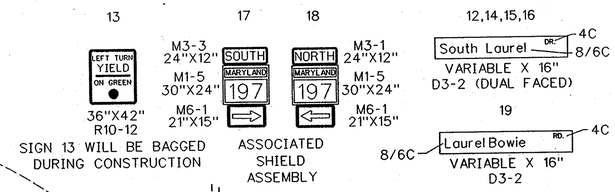
STAGE II
NEMA PHASING



NOTE:
MD 197 IS ASSUMED TO RUN IN NORTH-SOUTH DIRECTION.

PHASING NOTES:
1. Phases associated by a solid line will not operate concurrently.
2. Phases associated by a dashed line will operate concurrently.

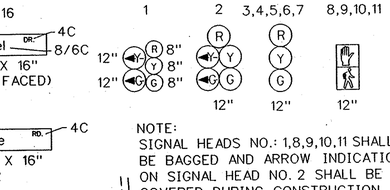
SIGNS



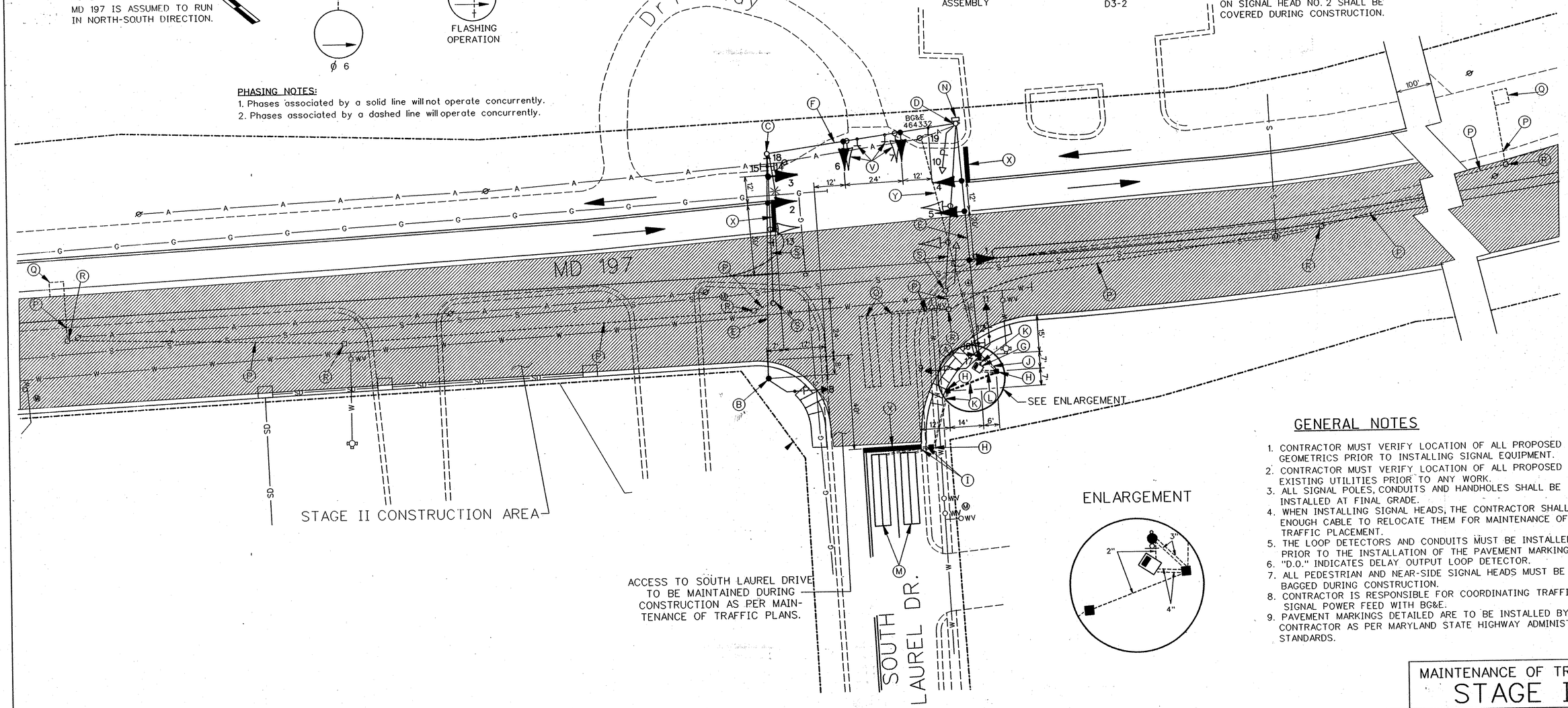
SIGN 13 WILL BE BAGGED DURING CONSTRUCTION

ASSOCIATED SHIELD ASSEMBLY

SIGNALS



NOTE:
SIGNAL HEADS NO.: 1,8,9,10,11 SHALL BE BAGGED AND ARROW INDICATIONS ON SIGNAL HEAD NO. 2 SHALL BE COVERED DURING CONSTRUCTION.



ENLARGEMENT

GENERAL NOTES

1. CONTRACTOR MUST VERIFY LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
2. CONTRACTOR MUST VERIFY LOCATION OF ALL PROPOSED AND EXISTING UTILITIES PRIOR TO ANY WORK.
3. ALL SIGNAL POLES, CONDUITS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
4. WHEN INSTALLING SIGNAL HEADS, THE CONTRACTOR SHALL LEAVE ENOUGH CABLE TO RELOCATE THEM FOR MAINTENANCE OF TRAFFIC PLACEMENT.
5. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
6. "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
7. ALL PEDESTRIAN AND NEAR-SIDE SIGNAL HEADS MUST BE BAGGED DURING CONSTRUCTION.
8. CONTRACTOR IS RESPONSIBLE FOR COORDINATING TRAFFIC SIGNAL POWER FEED WITH BG&E.
9. PAVEMENT MARKINGS DETAILED ARE TO BE INSTALLED BY THE CONTRACTOR AS PER MARYLAND STATE HIGHWAY ADMINISTRATION STANDARDS.

MAINTENANCE OF TRAFFIC
STAGE II

UTILITIES LEGEND

—A—	AERIAL CABLES
—G—	GAS MAIN
—E—	ELECTRIC CABLES (UNDERGROUND)
—T—	TELEPHONE CABLES
—W—	WATER MAIN
—S—	SEWER MAIN
—SD—	STORM DRAIN

ROADWAY LEGEND

- - - - - -	EXISTING
————	PROPOSED

RUMMEL, KLEPPER & KAHL
CONSULTING ENGINEERS
81 MOSHER STREET
BALTIMORE, MD 21217
TEL. (410) 728-2900

REVISIONS:
REVISED 11/94 FOR THE MD 197 DUALIZATION

APPROVALS:
ORIGINAL
CHIEF SIGNAL DESIGN SECTION
ON
ASST. DISTRICT ENGINEER TRAFFIC
CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
FILE
DIRECTOR OFFICE OF TRAFFIC & SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE • 16019711.61

DRAWN BY: ZAJ
DES. BY: ZAJ
CHK. BY: BDH

MD 197 @ SOUTH LAUREL DR.
COUNTY: PRINCE GEORGE'S

DATE: NOVEMBER 1994 F.A.P. NO. M-
SCALE: 1"=20' S.H.A. NO. P-

TS/STD. NO.: TS-1728X1
SHEET NO. ___ OF ___

RKK4/SPURS:DGN/187-55/SS21M197.DGN