MD 924 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE SIGNAL SHOP

ITEM NO.	DESCRIPTION	QUANTITY	
	Maintenance of traffic per assignment.	1	EA
	8" red or green LED signal head section	2	EA
	8" yellow LED signal head section	1	EA
	12" red or green LED signal head section.	12	EA
	12" yellow LED signal head section.	8	EA
	Remove and dispose of existing equipment per assignment.	1	EA
	Electrical cable - 7 conductor (No. 14 AWG).	600	LF

EXISTING SIGNS

14,16 — Wheel Rd — D3-2 (DUAL-FACED) VARIABLE X 16"

17 — ONLY — R3-5L 30" x 36"

18 — LEFT LANE MUST TURN LEFT — R3-7L 30" x 30"

EXISTING SIGNS TO BE REMOVED

13,15 — LEFT TURN YIELD ON GREEN — R10-12 36"x 42"

EXISTING SIGNALS

1,4 — 2,5 — 3,6

PROPOSED SIGNALS

7,10 — 8,11 — 9,12

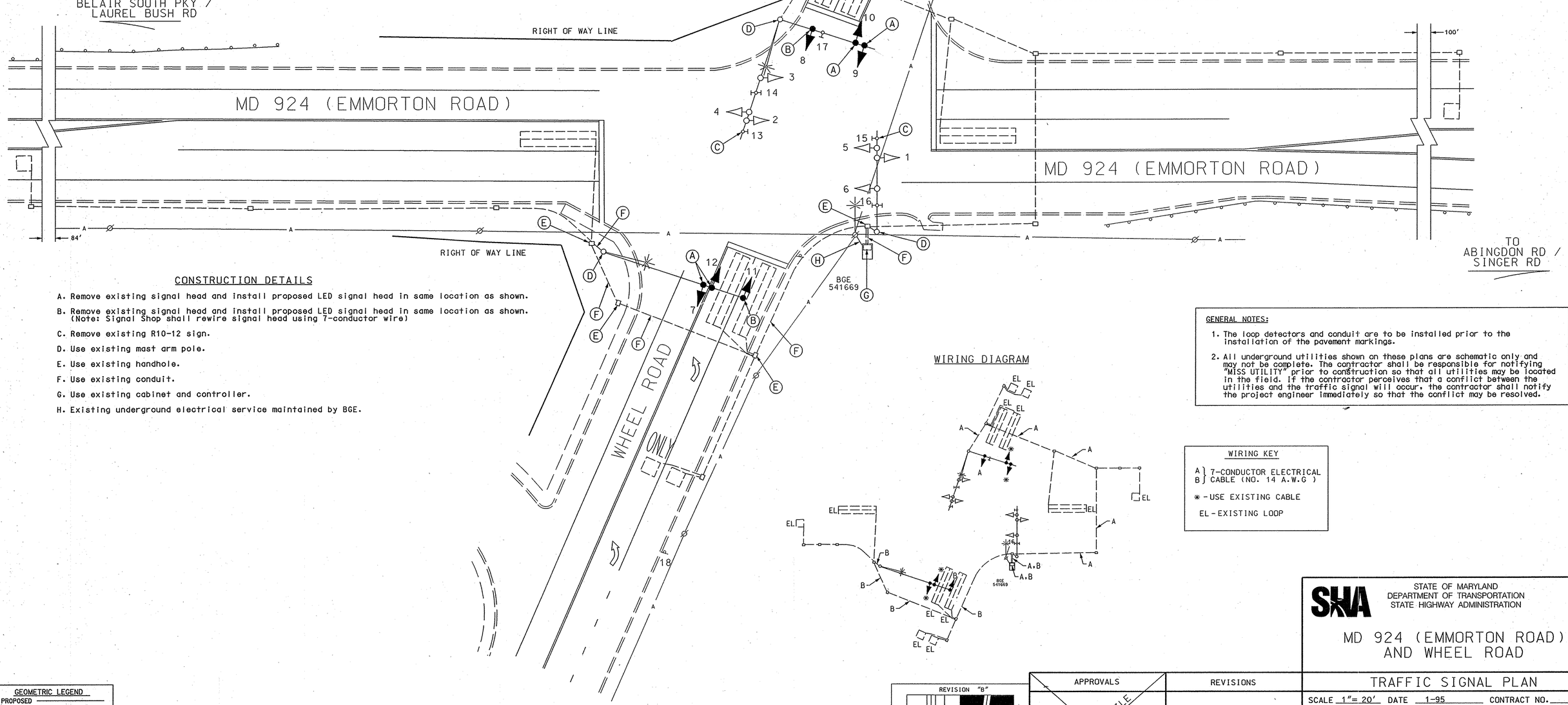
NOTE: ALL SIGNAL HEADS ARE TO BE LED

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

FLASHING OPERATION

PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. Remove existing signal head and install proposed LED signal head in same location as shown.

B. Remove existing signal head and install proposed LED signal head in same location as shown. (Note: Signal Shop shall rewire signal head using 7-conductor wire)

C. Remove existing R10-12 sign.

D. Use existing mast arm pole.

E. Use existing handhole.

F. Use existing conduit.

G. Use existing cabinet and controller.

H. Existing underground electrical service maintained by BGE.

WIRING DIAGRAM

GENERAL NOTES:

1. The loop detectors and conduit are to be installed prior to the installation of the pavement markings.
2. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.

WIRING KEY

A } 7-CONDUCTOR ELECTRICAL
B } CABLE (NO. 14 A.W.G)

* - USE EXISTING CABLE

EL - EXISTING LOOP

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE — A —
ELECTRIC — E —
TELEPHONE — T —
GAS — G —
SEWER — S —
WATER — W —
CABLE TV — TV —

REVISION "B"

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APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
B MODIFY PHASING FOR EB & WB WHEEL ROAD SHA NO.: SIGNAL SHOP JWA 11-8-06
A REPLACE HANDHOLES, CONDUIT, AND LOOP DETECTORS SHA NO.: BW910M82 DD DAZ 5-10-96

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 924 (EMMORTON ROAD) AND WHEEL ROAD

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 1-95 CONTRACT NO.

DESIGNED BY
DRAWN BY D DICKERSON
CHECKED BY S RENZI
F.A.P. NO.
COUNTY HARFORD
LOGMILE 12092402.28
TIMS NO. 1001
TOD NO.

TS NO. 3481B | DRAWING NO. 1 OF 1 | SHEET NO. OF

PLOTTED: THURSDAY, NOVEMBER 09, 2006 AT 2:20:43 PM
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