PROPOSED SIGNS

11,12 — Starr RD — D3-2 (DUAL-FACED) VARIABLE X 16"

15,16 — Queen Anne's HWY — D3-2 (DUAL-FACED) VARIABLE X 16"

13,14 — LEFT TURN YIELD ON GREEN — R10-12 36"x 42"

NOTE: ALL SIGNS BAGGED UNTIL ULTIMATE SIGNAL

NOTE: MD 404 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

ULTIMATE SIGNALS

PROPOSED SIGNALS

1,4 — 12" R 8" Y 8" G 8"

2,5 — 12" R Y G

NOTE: BAGGED UNTIL ULTIMATE SIGNAL

-◆- OPTICOM DETECTOR

EXISTING SIGNALS

3,6,8,9,10 — R Y G 12"

7 — R Y G 12"

NOTE: SIGNAL HEAD 6 SHALL BE BAGGED UNTIL ULTIMATE SIGNAL

-◇- OPTICOM DETECTOR

NEMA PHASING

Ø1 Ø2 Ø4 Ø5 Ø6 Ø8

FLASHING OPERATION

Ø8 — EMERGENCY PRE-EMPTION

Ø2 — EMERGENCY PRE-EMPTION

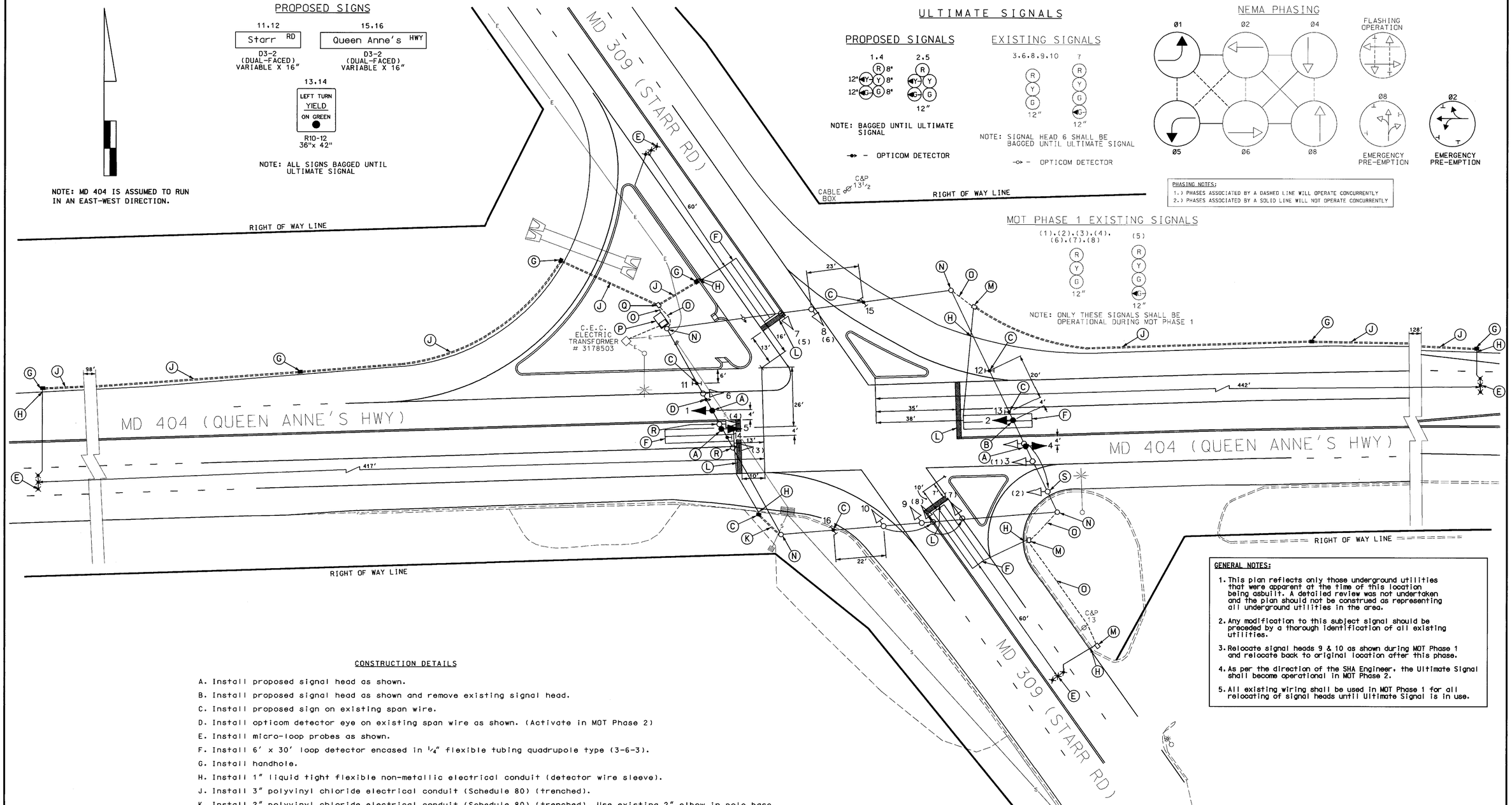
PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

MOT PHASE 1 EXISTING SIGNALS

(1),(2),(3),(4),(6),(7),(8) — R Y G 12"

(5) — R Y G 12"

NOTE: ONLY THESE SIGNALS SHALL BE OPERATIONAL DURING MOT PHASE 1



CONSTRUCTION DETAILS

A. Install proposed signal head as shown.
B. Install proposed signal head as shown and remove existing signal head.
C. Install proposed sign on existing span wire.
D. Install opticom detector eye on existing span wire as shown. (Activate in MOT Phase 2)
E. Install micro-loop probes as shown.
F. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
G. Install handhole.
H. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).
J. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
K. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched). Use existing 2" elbow in pole base.
L. Install 24" white, heat applied permanent preformed thermoplastic pavement marking. (stopline)
M. Use existing handhole.
N. Use existing strain pole.
O. Use existing conduit.
P. Use existing base mounted controller.
Q. Adjust existing handhole frame and cover.
R. Remove existing signal head after MOT Phase 1.
S. Relocate existing signal head as shown and remove after MOT Phase 1.

GENERAL NOTES:

1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and the plan should not be construed as representing all underground utilities in the area.
2. Any modification to this subject signal should be preceded by a thorough identification of all existing utilities.
3. Relocate signal heads 9 & 10 as shown during MOT Phase 1 and relocate back to original location after this phase.
4. As per the direction of the SHA Engineer, the Ultimate Signal shall become operational in MOT Phase 2.
5. All existing wiring shall be used in MOT Phase 1 for all relocating of signal heads until Ultimate Signal is in use.

GEOMETRIC LEGEND
PROPOSED
EXISTING

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

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REVISIONS					
D 11/02 INSTALLING LEFT TURN LANES ALONG E/B AND W/B MD 404 SHA NO.: QA2375130					
JWA					
C 4/00 SIGNALS AND STRIPES TO MD 404. A HAZMAT EXTRICATION BEACON WITH SWING ARM OF MD 309 ON MD 404 AND A PORTABLE VARIABLE MESSAGE SIGN PAD AT CEMETERY RD AND MD 404. 7/98?					
SR			BRK	GRS	
B 04/95 - ADDED OPTICOM TO N/B MD 309 AND W/B MD 404. SHA*					
A 03/95 ASBUILT					

APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 404 AND MD 309

DRAWN BY:	S. KONKA (STS)	F.A.P. NO.		TS NO. 2428D	SHEET NO. ___ OF ___
CHECKED BY:	D. DODA	S.H.A. NO.			
SCALE:	1"= 20'	COUNTY:	QUEEN ANNE'S	T.I.M.S. NO. F-507	
DATE:	1-28-1998	LOG MILE:	17040400.48		