MD 32 IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION

PROPOSED SIGNS

21: ⇦ Andrea Dr / Burntwoods Rd ⇨ — D3-2 VARIABLE X 32"

17: ⇦ Burntwoods Rd / Andrea Dr ⇨ — D3-2 VARIABLE X 32"

15,19: LEFT TURN YIELD ON GREEN — R10-12 36"x 42"

16,20: ONLY — R3-5R 30" x 36"

23: Sykesville Rd. (W/GR) SOUTH 32 NORTH (BLK/W) — M95-1 72" x 36"

EXISTING SIGNS

18: SIGNAL AHEAD / PREPARE TO STOP WHEN FLASHING — W3-3A (MOD)

22: Sykesville Rd. NORTH 32 SOUTH — M95-1

EXISTING SIGN TO BE RELOCATED ONTO PROPOSED MAST ARM

PROPOSED SIGNALS

1,6 — 2,7 — 9,12 — 3,8,10,11,13,14

NOTE: ALL TRAFFIC SIGNALS ARE TO BE BLACK-FACED

EXISTING SIGNALS

4,5

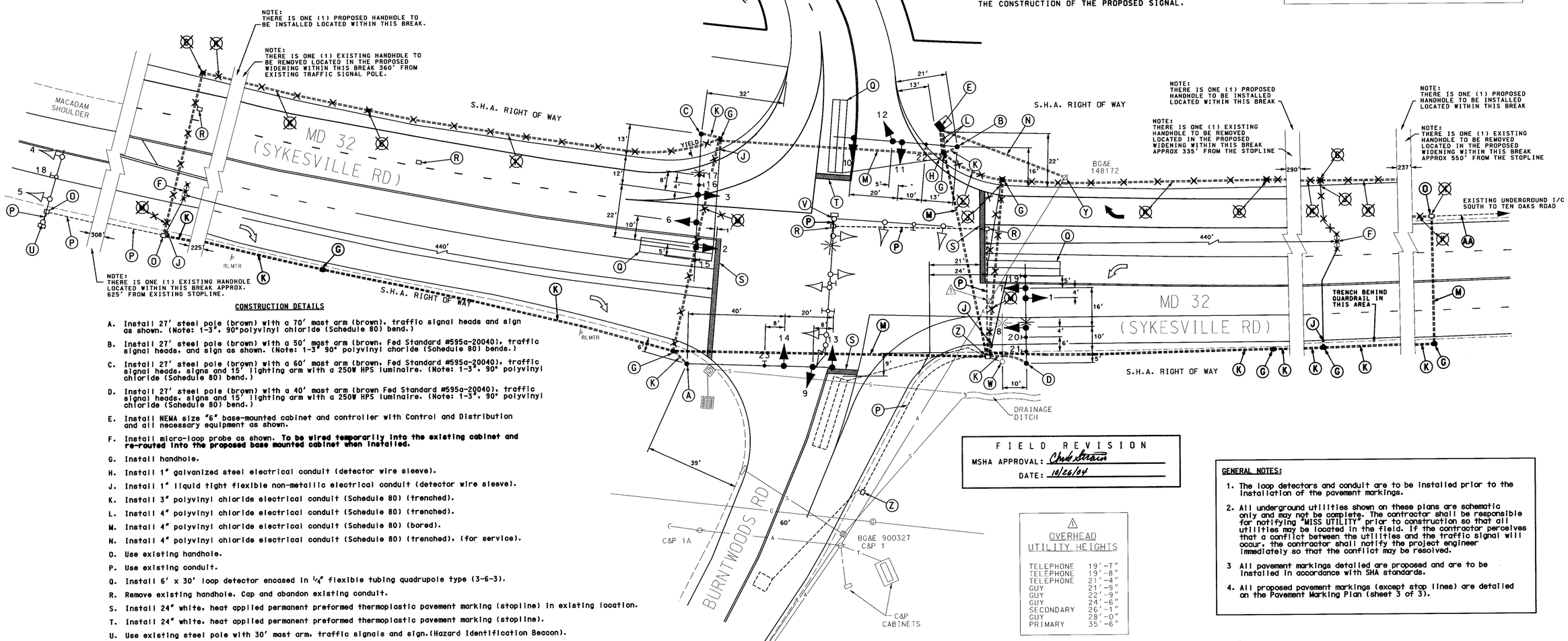
NEMA PHASING

Ø1 Ø2 Ø4 Ø5 Ø6 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

NOTES:
THIS REVISION INVOLVES RELOCATING THE PROPOSED CONDUIT TO THE WEST SIDE OF MD 32. THE ADVANCE DETECTION (PROBES). THE N.B. MD 32 LEFT TURN DETECTION AND INTERCONNECT TO THE SIGNAL AT TEN OAKS ROAD MUST ALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION OF THE PROPOSED SIGNAL.



CONSTRUCTION DETAILS

A. Install 27' steel pole (brown) with a 70' mast arm (brown), traffic signal heads and sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install 27' steel pole (brown) with a 50' mast arm (brown, Fed Standard #595a-20040), traffic signal heads, and sign as shown. (Note: 1-3" 90° polyvinyl choride (Schedule 80) bends.)

C. Install 27' steel pole (brown) with a 60' mast arm (brown, Fed Standard #595a-20040), traffic signal heads, signs and 15' lighting arm with a 250W HPS luminaire. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

D. Install 27' steel pole (brown) with a 40' mast arm (brown Fed Standard #595a-20040), traffic signal heads, signs and 15' lighting arm with a 250W HPS luminaire. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

E. Install NEMA size "6" base-mounted cabinet and controller with Control and Distribution and all necessary equipment as shown.

F. Install micro-loop probe as shown. **To be wired temporarily into the existing cabinet and re-routed into the proposed base mounted cabinet when installed.**

G. Install handhole.

H. Install 1" galvanized steel electrical conduit (detector wire sleeve).

J. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).

K. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

L. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

M. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).

N. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched), (for service).

O. Use existing handhole.

P. Use existing conduit.

Q. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).

R. Remove existing handhole. Cap and abandon existing conduit.

S. Install 24" white, heat applied permanent preformed thermoplastic pavement marking (stopline) in existing location.

T. Install 24" white, heat applied permanent preformed thermoplastic pavement marking (stopline).

U. Use existing steel pole with 30' mast arm, traffic signals and sign.(Hazard Identification Beacon).

V. Remove existing twin mast arm and all attached equipment.

W. Remove existing 40' lighting standard with 15' lighting arm and luminaire (Remove concrete foundation 12" below grade).

~~X. Disconnect existing interconnect cable in the existing cabinet at Burntwoods Road and pull back to this handhole located approximately 720' from the stopline on northbound MD 32. Reroute through the proposed conduit into the new base-mounted cabinet.~~

Y. Existing underground electrical service by to be disconnected and replaced with new electrical service to be installed by BGE.

Z. Disconnect and discard all shielded cable in existing handhole. Install new splice kit and 2-conductor electrical cable (aluminum shielded) and wire to proposed cabinet. (Note: The existing loops in the Burntwoods Road right turn lane are to be abandoned.

AA. Maintain existing conduit to the cabinet at Ten Oakes Road. Install new 12-pair interconnect from Ten Oaks to the existing cabinet at Burntwoods. Loop 8' of additional interconnect cable in each handhole to be used when the proposed base mounted cabinet at Burntwoods is installed. Remove old interconnect cable. (See Wiring Diagram).

BB. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).To be wired temporarily into the existing cabinet and re-routed into the proposed base mounted cabinet when installed.

FIELD REVISION
MSHA APPROVAL: Chris Strain
DATE: 10/26/04

⚠ OVERHEAD UTILITY HEIGHTS

TELEPHONE	19'-7"
TELEPHONE	19'-8"
TELEPHONE	21'-4"
GUY	21'-9"
GUY	22'-9"
GUY	24'-6"
SECONDARY	26'-1"
GUY	28'-0"
PRIMARY	35'-6"

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.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
4. All proposed pavement markings (except stop lines) are detailed on the Pavement Marking Plan (sheet 3 of 3).

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 —

REVISION "A"
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REVISIONS	
A	4-30-03 REBUILD TRAFFIC SIGNAL DUE TO GEOMETRIC CHANGES SHA NO.: BW99GMR2 TIMS # F416 — RRZ

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 32 (SYKESVILLE RD) AND BURNTWOODS ROAD/ANDREA DRIVE

DRAWN BY: SR BARANOWSKI	F.A.P. NO.		TS NO. 3258A	SHEET NO. 1 OF 3
CHECKED BY:	S.H.A. NO.	HO-744-509-785		
SCALE: 1"= 20'	COUNTY:	HOWARD	T.I.M.S. NO. F416	
DATE: 11-11-92	LOG MILE:	13003216.56		

Wed Oct 27, 2004 12:31 wdg:/arw/12/ev/13/15/5/5/5