EXISTING SIGNS

NOTE: MD 33 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

15
⇦ Unionville RD
Old Bloomfield RD ⇨
D3-2 (VARIABLE x 32")

17
⇦ Old Bloomfield RD
Unionville RD ⇨
D3-2 (VARIABLE x 32")

18, 21
St. Michaels RD
D3-2 (VARIABLE x 16")

14
NORTH
MARYLAND 370
M3-3 30"x 15"
M1-5 48"x 36"
M6-1 30"x 24"
ASSOCIATED SHIELD ASSEMBLY 48" x 75"

19
WEST
MARYLAND 33
M3-1 24"x 12"
M1-5 24"x 24"
M6-1 21"x 15"
ASSOCIATED SHIELD ASSEMBLY 30" x 51"

20
EAST
MARYLAND 33
M3-1 30"x 15"
M1-5 36"x 36"
M6-1 30"x 24"
ASSOCIATED SHIELD ASSEMBLY 48" x 75"

PROPOSED SIGNS

16
NEW
R Y G
TEMPORARY SIGN W3-3 NEW 48"x 48"

13
R Y G
W3-3 36"x 36"

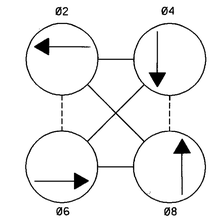
PROPOSED SIGNALS

1,2: Y 12"
3-12: R, Y, G 12"

NOTE:
ALL SIGNALS ARE TO BE BLACK-FACED

■◂ – VIDEO DETECTION CAMERA A,B

NEMA PHASING



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 1-section traffic signal heads, and install 3-section full color traffic signal heads.

B. Remove existing 1-section traffic signal heads, and install 3-section full color traffic signal heads and video detector camera as shown.

C. Install 27' steel pole (cut to 21') with a 60' mast arm (cut to 40'), with traffic signal heads and sign, as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

D. Install non-invasive micro-loop probe set as shown.

E. Install handhole.

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

G. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).

H. Existing overhead electrical service to be maintained by CONECTIV.

J. Install ground mounted W3-3 sign as shown.

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

L. Use existing base mounted cabinet and install new controller with 4-channel rack mounted amplifier and power supply.

M Proposed video detection area.

N. Use existing conduit.

O. Use existing handhole.

P. Install guard rail as shown. (See sheet 2 of 2 for guardrail typical)

GENERAL NOTES:

1. 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.
2. All pavement markings excluding stoplines are to be installed by District forces.

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"

STREET TRAFFIC STUDIES, LTD.
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Glen Burnie, MD 21061
Ph (410) 590-5500
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4523.dgn WT-9

SHA #: TA422A53/B53 TOD#: XX1065I-40

REVISIONS
A 2-10-04 CONVERT I.C.B. TO FULL SIGNAL AND INSTALL EASTBOUND H.I.B. SHA NO.: XX1065185
JWA

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 33 (ST. MICHAELS ROAD) AND MD 370 (UNIONVILLE ROAD)

DRAWN BY:	D.A.NIES	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY:	MAR	S.H.A. NO.	XX1065185	4172 A	1 OF 2
SCALE:	1"= 20'	COUNTY:	TALBOT	T.I.M.S. NO.	
DATE:	3-27-02	LOG MILE:	20003320.93	0083	

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