NOTE: MD 246 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

PROPOSED SIGNS

25 — EAST / MARYLAND 246 — M3-2 24"x 12", M1-5 30"x 24", M6-1 21"x 15" — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

30 — WEST / MARYLAND 246 — M3-2 24"x 12", M1-5 30"x 24", M6-1 21"x 15" — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

26 — WEST / MARYLAND 246 — M3-4 30"x 15", M1-5 48"x 36", M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

33 — EAST / MARYLAND 246 — M3-4 30"x 15", M1-5 48"x 36", M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

21 — ⇦ Westbury Blvd / Carver School Blvd ⇨ — D3-2 VARIABLE X 32"

24 — ⇦ Carver School Blvd / Westbury Blvd ⇨ — D3-2 VARIABLE X 32"

28,31 — Great Mills Rd — D3-2 VARIABLE X 16"

20,23 — LEFT TURN YIELD ON GREEN — R10-12 36"x 42"

27 — R3-6 30" x 36"

32 — ONLY — R3-5(L) 30" x 36"

19,22 — NEW — R Y G — TEMPORARY SIGN W3-3 NEW 36"x 36"

PROPOSED SIGNALS

8,11 — R Y G G 12"

3,6,9,12 — R Y G 12"

7,10 — R 8" Y 8" G 8" G 12"

2,5 — R Y Y G G 12"

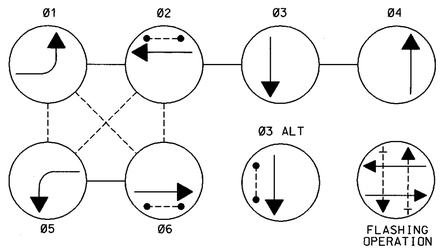
13-18 — 12"

1,4 — R 8" Y 12" Y 8" G 12" G 8"

■◄ - VIDEO DETECTION CAMERA A-D

-◆- - OPTICOM DETECTOR

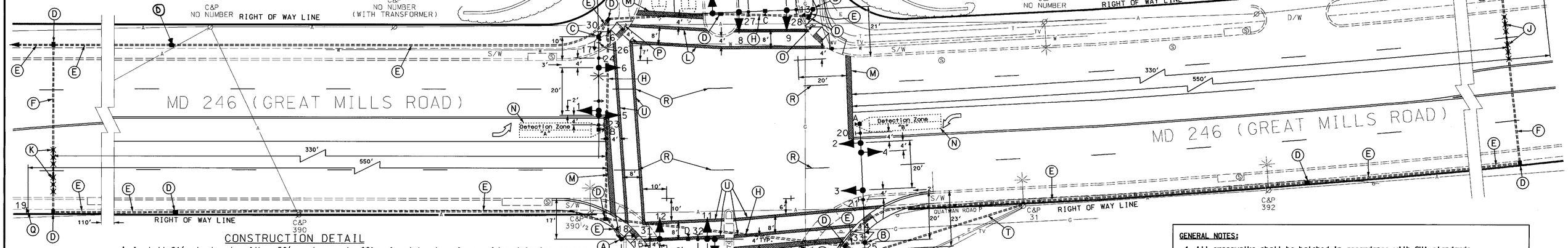
NEMA PHASING



PHASING NOTES:

1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAIL

A. Install 21' steel pole with a 50' mast arm, traffic signal heads, signs, video detector camera and pedestrian signal heads and pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

B. Install 21' steel pole with a 50' mast arm, traffic signal heads, signs, video detector camera and pedestrian signal head with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

C. Install 27' steel pole with a 50' mast arm, traffic signal heads, signs, video detector camera, optiom detector eye, 15' lighting arm with a 250W-HPS luminaire and pedestrian signal heads and pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

D. Install handhole.

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

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

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

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

J. Install non-invasive microloop probe set with 500' lead-in cable.

K. Install non-invasive microloop probe set with 1000' lead-in cable.

L. Install 12", white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk)

M. Install 24", white, heat applied permanent preformed thermoplastic pavement marking. (stopbar)

N. Proposed video detection area.

O. Remove and existing sidewalk / handicapped ramp and replace after the installation of the signal equipment. (Note: Contractor shall install 2' x 4' truncated domes.)

P. Remove existing handicapped ramp and install new handicapped ramp 2' x 4' truncated domes as shown.

Q. Install ground mounted sign as shown.

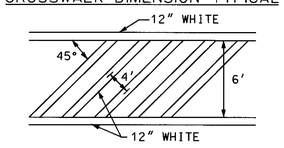
R. Grind existng pavement markings as shown.

S. Install NEMA size "6" base-mounted cabinet and controller with electrical underground utility service equipment, video interface equipment and all necessary equipment as shown.

T. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) for proposed electrical service by SMECO.

U. Pavement markings are to be install by St. Mary's County upon completetion of proposed geometrics.

CROSSWALK DIMENSION TYPICAL



NOTE: CROSSHATCHING IS REQUIRED IN CROSSWALK CROSSING

GENERAL NOTES:

1. All crosswalks shall be hatched in accordance with SHA standards crosswalk typical.
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 shall be installed by the contractor in accordance with SHA standards.
4. Installation of the advance warning beacon are detailed on the interconnect plan/H.I.B plan.
5. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verifty ultimate grades prior to the installation of all signal equipment.
6. Pedestrian signal heads 14,15,17 & 18 shall remain bagged until proposed geometrics are done by the St. Mary's County.
7. Truncated domes for handicap ramps on the southside of MD 246 shall be installed when proposed geometrics are done.

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 —

REVISIONS	APPROVALS
	3-30-04 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	4/7/04 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	4/7/04 DIRECTOR, TRAFFIC & SAFETY

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

MD 246 @ WESTBURY BLVD./CARVER SCHOOL BLVD.

SHA #: ~~SMT06A58/R08/M58~~ TOD #: XX1065U-47M

DRAWN BY:	D.A.NIES	F.A.P. NO.		TS NO. 4294	SHEET NO. 1 OF 5
CHECKED BY:	J. ALLEN	S.H.A. NO.	XX1065485		
SCALE:	1"= 20'	COUNTY:	ST. MARY'S	T.I.M.S. NO. F838	
DATE:	3-18-04	LOG MILE:	18024601.48		

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