MD 45 IS ASSUMED TO RUN IN A NORTH / SOUTH DIRECTION

PROPOSED SIGNS

20,22 — Stevenson (DUAL FACE) D-3(1) (VAR.x16")

19,21 — LEFT TURN YIELD ON GREEN R10-12 (24"x30")

23,27 — ONLY R3-5(L) (30"x36")

25 — ONLY R3-5(R) (30"x36")

26 — SOUTH MARYLAND 45 NORTH M95-1 72"X24"

24 — NORTH MARYLAND 45 SOUTH M95-1 72"X24"

PROPOSED SIGNALS

1,4 — 12"/8"

2,5 — 12"

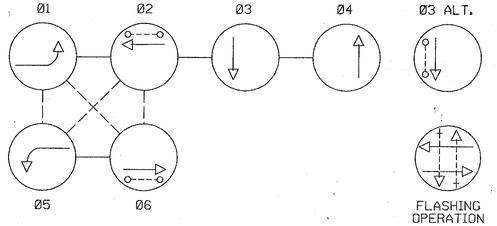
3,6, 9,12 — 12"

7,8, 10,11 — 12"

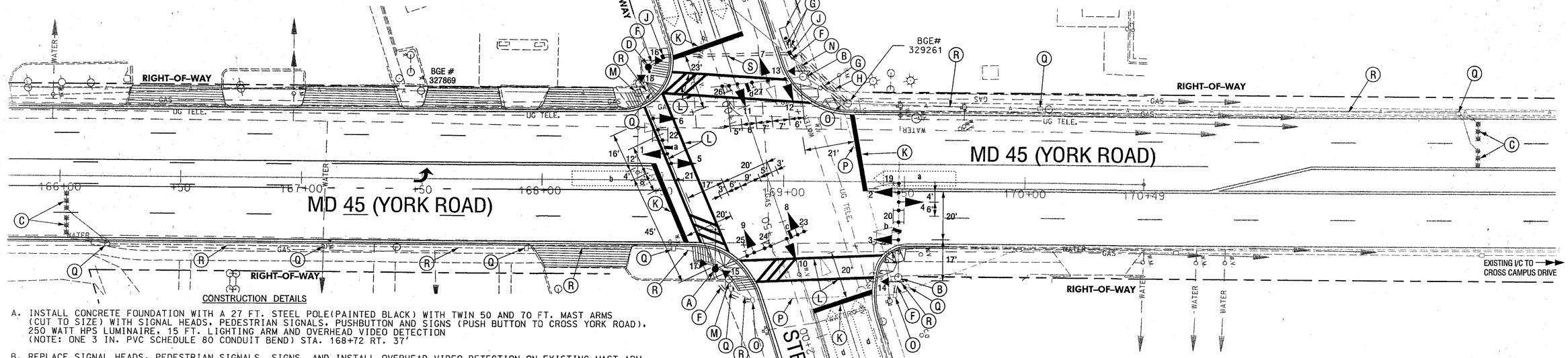
13,14,15, 16,17,18 — 12"

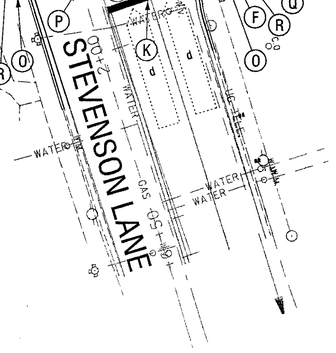
a-d PROPOSED VIDEO DETECTION

NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.





CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE(PAINTED BLACK) WITH TWIN 50 AND 70 FT. MAST ARMS (CUT TO SIZE) WITH SIGNAL HEADS, PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGNS (PUSH BUTTON TO CROSS YORK ROAD), 250 WATT HPS LUMINAIRE, 15 FT. LIGHTING ARM AND OVERHEAD VIDEO DETECTION (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 168+72 RT. 37'

B. REPLACE SIGNAL HEADS, PEDESTRIAN SIGNALS, SIGNS, AND INSTALL OVERHEAD VIDEO DETECTION ON EXISTING MAST ARM. PAINT EXISTING POLE AND ARM BLACK.

C. ABANDON EXISTING MICROLOOP DETECTOR.

D. INSTALL CONCRETE FOUNDATION WITH 10' STEEL PEDESTAL POLE(PAINTED BLACK) WITH BREAKAWAY BASE, PEDESTRIAN SIGNAL, SIGN (PUSHBUTTON TO CROSS YORK ROAD) AND 1-2" PVC CONDUIT. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 168+44 LT. 51'

E. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA 169+00 LT. 59'

F. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

H. INSTALL ONE-2 IN. AND ONE-3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED, AND STUB UP CONDUIT AT BASE OF POWER POLE (3 WIRE - CONDUCTOR NO. 4 AWG) FOR POWER AND TELEPHONE DROP.

J. INSTALL HANDHOLE.

K. INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.

L. INSTALL 12 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING TAPE FOR CROSSWALKS.

M. REMOVE EXISTING POLE, MAST ARM, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12" BELOW GRADE AND BACK FILL.

N. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION. 12 IN. BELOW GRADE AND BACK FILL.

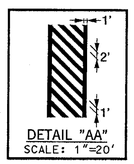
O. USE EXISTING HANDHOLE.

P. USE EXISTING CONDUIT.

Q. REMOVE EXISTING HANDHOLE AND BACKFILL 12" BELOW GRADE.

R. CAP AND ABANDON EXISTING CONDUIT.

S. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.



DETAIL "AA"
SCALE: 1"=20'

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD SD STORM DRAIN
G G GAS MAIN
W W WATER MAIN
S S SEWER MAIN
E E ELECTRIC CABLES
A A AERIAL CABLES
T T TELEPHONE CABLES

GENERAL NOTES

1. VIDEO CAMERA PLACEMENT SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PROJECT PAVEMENT MARKING PLANS.
4. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE EXISTING CABINET, ALL OTHER EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT; ANY CONFLICTS WITH UTILITIES THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. SEE DETAIL "A-A" FOR CROSSWALK HATCH PATTERN.

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REVISIONS

A SHA No. BA3125183 03/03
SIGNAL RECONSTRUCTION DUE TO GEOMETRIC IMPROVEMENTS

APPROVALS

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

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
MD 45 (YORK ROAD) AT STEVENSON LANE

TSP-07

DRAWN BY:	F.A.P. NO.	SEE TITLE SHEET	TS NO. 3906A
CHECKED BY:	S.H.A. NO.	BA3125184	SHEET NO.
SCALE: 1"=20'	COUNTY:	BALTIMORE	
DATE:	LOG MILE:	03004500.85	T.I.M.S. NO. D963
			OF