

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

PROPOSED SIGNS

19,20
LEFT TURN
YIELD
ON GREEN
R10-12
(24"x30")

22,24
ONLY
R3-5(R)
(30"x36")

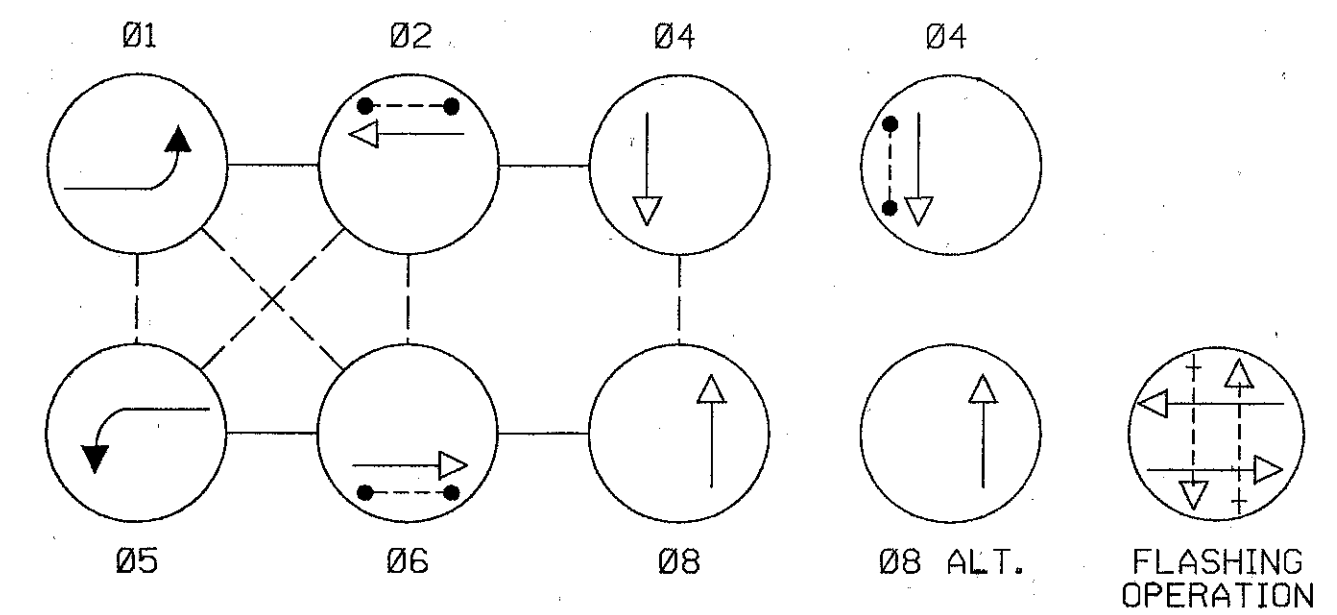
21,23
York RD
D-3(1)
(VAR. x16")

AERIAL CABLE DETAIL
PRIMARY 35'±
SECONDARY 29' 5"
TELEPHONE 28' 5"
27' 5"
19'
GRADE

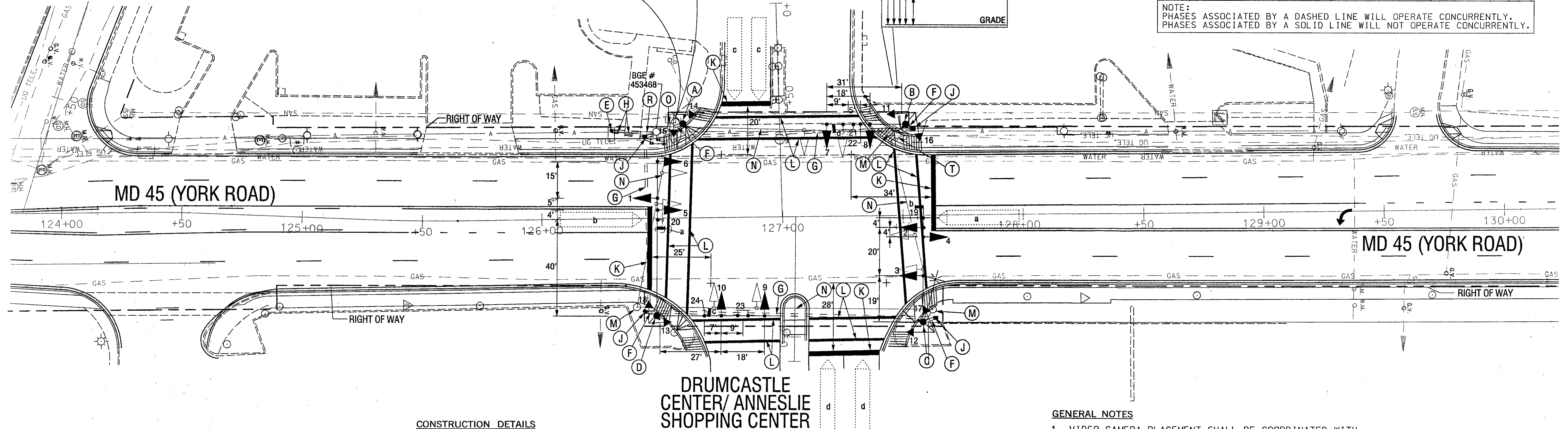
PROPOSED SIGNALS

1,4 2,5 3,6,7, 11,12,13,
8,9,10 14,15,16,
17,18
12" / 8" 12" 12" 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

- INSTALL CONCRETE FOUNDATION WITH 10' STEEL PEDESTAL POLE (PAINTED BLACK) WITH BREAKAWAY BASE, PUSHBUTTON, PEDESTRIAN SIGNALS, SIGN, AND 1-3" PVC CONDUIT. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 126+59 LT. 38'
- INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE (PAINTED BLACK AND CUT DOWN TO 21') WITH SINGLE 38 FT. MAST ARM WITH SIGNAL HEADS, PUSHBUTTON, PEDESTRIAN SIGNALS, SIGNS AND OVERHEAD VIDEO DETECTION. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 127+52 LT. 39'
- INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE (PAINTED BLACK) WITH SINGLE 38 FT. MAST ARM WITH SIGNAL HEADS, PUSHBUTTON, PEDESTRIAN SIGNALS, SIGNS, 250 WATT HPS LUMINAIRE, 15 FT. LIGHTING ARM AND OVERHEAD VIDEO DETECTION. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 127+58 RT. 43'
- INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE (PAINTED BLACK) WITH A TWIN 70/50 FT. (CUT TO SIZE) MAST ARM WITH SIGNAL HEADS, PUSHBUTTON, PEDESTRIAN SIGNALS, SIGNS AND OVERHEAD VIDEO DETECTION. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 126+48 RT. 41'
- 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 126+29 LT. 37'
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- TRENCHED.

- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- SLOTTED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL HANDHOLE.
- INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.
- INSTALL 12 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING TAPE FOR CROSSWALKS.
- REMOVE EXISTING POLE AND FOUNDATION 12" BELOW GRADE AND BACK FILL.
- REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
- REMOVE EXISTING POLE, AND POLE MOUNTED CONTROLLER CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- NOT USED.
- NOT USED.
- INSTALL ONE-3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUITS-TRENCHED STUBOUT CONDUIT AT BASE OF POWER POLE (3 WIRE 1-CONDUCTOR NO. 4 AWG) FOR POWER FEED.
- NOT USED.
- REMOVE EXISTING PUSHBUTTON POLE.

GENERAL NOTES

- VIDEO CAMERA PLACEMENT SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS.
- ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
- ALL REMOVED TRAFFIC SIGNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT; IF ANY CONFLICTS WITH THESE UTILITIES ARE IDENTIFIED, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER

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



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REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN

MD 45 (YORK ROAD) AT YORK ROAD PLAZA /
DRUMCASTLE CENTER

DRAWN BY:	F.A.P. NO.	SEE TITLE SHEET	TS NO.
CHECKED BY:	S.H.A. NO.	BA3125184	1231
SCALE:	COUNTY:	BALTIMORE	T.I.M.S. NO.
DATE:	LOG MILE:	03004500.10	D963

SHEET NO.
OF

TSP-01