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

PROPOSED SIGNS

12,13 — Dunkirk RD — D-3(1) (VAR.x16")

14,15 — York RD — D-3(1) (VAR.x16")

11 — R3-2 (30"X30")

PROPOSED SIGNALS

1,2,3,4 — R Y G — 12"

9,10 — 12"

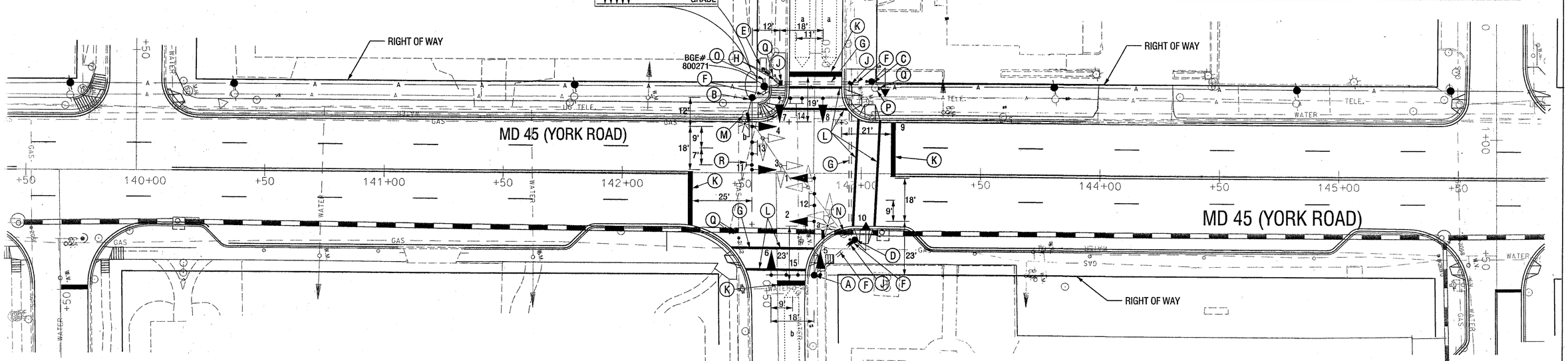
5,6,7,8 — R Y G — 8"

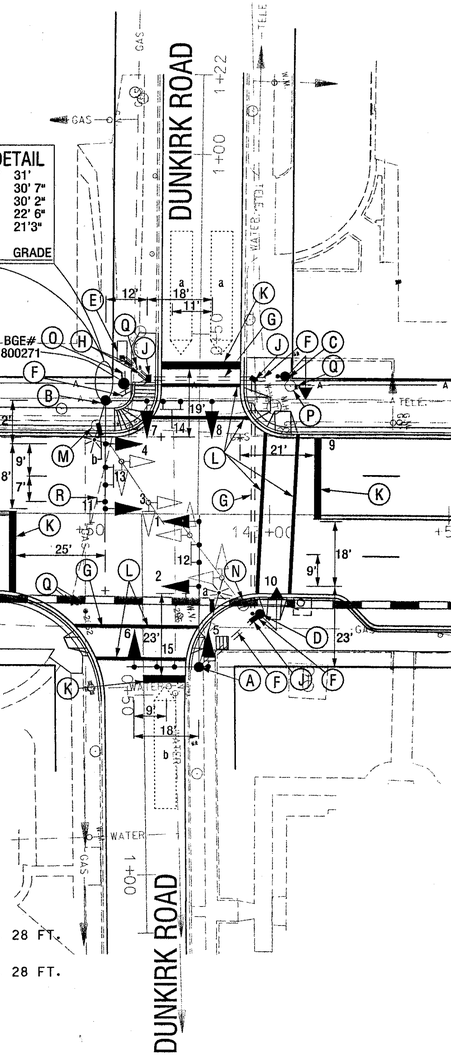
a-b — PROPOSED VIDEO DETECTION

NEMA PHASING

02 04 06 08 08 ALT. FLASHING OPERATION

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 WITH TWIN 50 FT. (CUT TO SIZE) MAST ARMS (PAINTED BLACK), SIGNAL HEADS, PEDESTRIAN SIGNALS, SIGNS, 250 WATT HPS LUMINAIRE WITH PHOTOCELL, 20 FT. LIGHTING ARM AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 142+80 RT. 42 FT.

B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 FT.(CUT TO SIZE) MAST ARMS (PAINTED BLACK), SIGNAL HEADS, PEDESTRIAN SIGNAL, SIGNS, 250 WATT HPS LUMINAIRE WITH PHOTOCELL, 10 FT. LIGHTING ARM AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 143+65 LT. 31 FT.

C. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE(PAINTED BLACK) WITH BREAKAWAY BASE, PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGN, SIGN AND ONE-2 IN. PVC CONDUIT. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 143+10 LT. 28 FT.

D. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE(PAINTED BLACK) WITH BREAKAWAY BASE, PEDESTRIAN SIGNALS, PUSHBUTTON AND SIGN, SIGN AND ONE-2 IN. PVC CONDUIT. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 142+98 RT. 28 FT. CONTRACTOR SHALL USE EXTREME CAUTION WHEN DIGGING FOUNDATION DUE TO THE PROXIMITY OF THE GAS LINE.

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. 142+59 LT. 43 FT.

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

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

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

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, POLE MOUNTED CONTROLLER CABINET, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

N. REMOVE EXISTING POLE, MAST ARM, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

O. INSTALL ONE-3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT-TRENCHED. STUBOUT CONDUIT AT BASE OF POWER POLE (3 WIRE 1-CONDUCTOR NO. 4 AWG) FOR POWER FEED.

P. REMOVE EXISTING PUSHBUTTON POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

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

R. CAP AND ABANDON EXISTING CONDUIT.

## 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. ALL 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 PROPOSED SIGNAL EQUIPMENT; IF ANY CONFLICTS ARE IDENTIFIED, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. ALL HANDHOLES AND CONDUIT SHALL BE TRENCHED PRIOR TO POURING THE SIDEWALK.
7. ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.

TSP-03

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

| | |
|---|---|
| SD | STORM DRAIN |
| G | GAS MAIN |
| W | WATER MAIN |
| S | SEWER MAIN |
| E | ELECTRIC CABLES |
| A | AERIAL CABLES |
| T | TELEPHONE CABLES |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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 DUNKIRK ROAD

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | | F.A.P. NO. | SEE TITLE SHEET | TS NO. 4232 A | SHEET NO. |
| CHECKED BY: | | S.H.A. NO. | BA3125184 | | |
| SCALE: | 1"=20' | COUNTY: | BALTIMORE | T.I.M.S. NO. 0963 | |
| DATE: | | LOG MILE: | 03004500.34 | | OF |