per Tom Hicks 8/4/05

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

PROPOSED SIGNS

15, 17 (26, 25) — R10-12 (30" x 36") — LEFT TURN YIELD ON GREEN

19 (17) — R3-5R (30" x 36") — ONLY

20, 21 (18, 19) — R3-6 (30" x 36")

22 (20) — R3-6(1) (54" x 30") — ONLY / NO TURN ON RED THIS LANE

23 (24) — R3-5(2) (54" x 30") — TURN ON RED OK THIS LANE ONLY

7 — R10-4(1) (9"X12") INSTALLED AT CROSSING WITH PUSHBUTTON

16, 18 (14, 16) — D3-2 (VARIABLE X 16") — West Rd

16A, 18A (14A, 16A) — D3-2 (VARIABLE X 16") — West Rd

24 (22) — SHIELD ASSEMBLY (24"x51") — NORTH 45

25 (23) — SHIELD ASSEMBLY (36"x75") — NORTH 45

26 (24) — SHIELD ASSEMBLY (24"x51") — SOUTH 45

27 (26) — SHIELD ASSEMBLY (36"x75") — SOUTH 45

EXISTING SIGN

26, 27

PROPOSED SIGNALS

1, 4 — 12"/8"

2, 5 — 12"

7, 10 — 12"/8"

3, 6, 12 — 12"

8, 11 — 12"

9 — 12"

26, 27 — 12" 7

b — PROPOSED VIDEO DETECTION

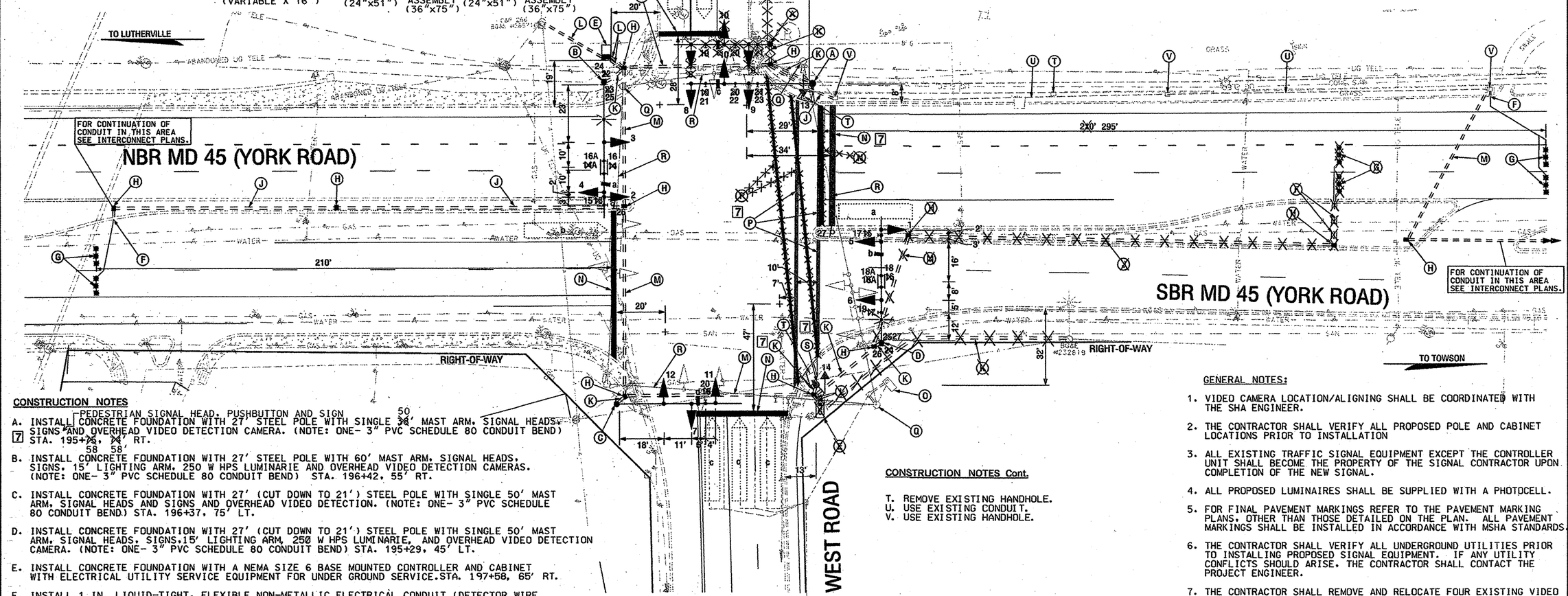
a, c, d — EXISTING VIDEO DETECTION

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø3 ALT

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 NOTES

A. INSTALL CONCRETE FOUNDATION WITH 27' STEEL POLE WITH SINGLE 50' MAST ARM, SIGNAL HEADS, SIGNS AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE- 3" PVC SCHEDULE 80 CONDUIT BEND) 7 STA. 195+58, 24' RT.

B. INSTALL CONCRETE FOUNDATION WITH 27' STEEL POLE WITH 60' MAST ARM, SIGNAL HEADS, SIGNS, 15' LIGHTING ARM, 250 W HPS LUMINARIE AND OVERHEAD VIDEO DETECTION CAMERAS. (NOTE: ONE- 3" PVC SCHEDULE 80 CONDUIT BEND) STA. 196+42, 55' RT.

C. INSTALL CONCRETE FOUNDATION WITH 27' (CUT DOWN TO 21') STEEL POLE WITH SINGLE 50' MAST ARM, SIGNAL HEADS AND SIGNS AND OVERHEAD VIDEO DETECTION. (NOTE: ONE- 3" PVC SCHEDULE 80 CONDUIT BEND) STA. 196+37, 75' LT.

D. INSTALL CONCRETE FOUNDATION WITH 27' (CUT DOWN TO 21') STEEL POLE WITH SINGLE 50' MAST ARM, SIGNAL HEADS, SIGNS, 15' LIGHTING ARM, 250 W HPS LUMINARIE, AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE- 3" PVC SCHEDULE 80 CONDUIT BEND) STA. 195+29, 45' LT.

E. INSTALL CONCRETE FOUNDATION WITH A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDER GROUND SERVICE. STA. 197+58, 65' RT.

F. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).

G. INSTALL MICRO-LOOP PROBE SET WITH 500 FT. OF LEAD-IN CABLE.

H. INSTALL ELECTRICAL HANDHOLE.

J. INSTALL 2" SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED.

K. INSTALL 3" SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED.

L. INSTALL 4" SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED.

M. INSTALL 4" SCHEDULE 80, PVC ELECTRICAL CONDUIT - PUSHED.

N. INSTALL 24" HEAT APPLIED WHITE PERMANENT THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

O. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

P. INSTALL 12" HEAT APPLIED WHITE PERMANENT THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.

Q. REMOVE EXISTING STRAIN POLE AND ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

R. REMOVE EXISTING SPAN WIRE AND ALL ASSOCATED EQUIPMENT.

S. INSTALL CONCRETE FOUNDATION WITH A 10 FT. PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN. 7 (NOTE: ONE- 3" PVC SCHEDULE 80 CONDUIT BEND).

T. INSTALL DEPRESSED CURB AND GUTER WITH DETECTABLE WARNING SURFACE, SEE MD-STANDARDS 655.11 AND 655.12. 7

CONSTRUCTION NOTES Cont.

T. REMOVE EXISTING HANDHOLE.
U. USE EXISTING CONDUIT.
V. USE EXISTING HANDHOLE.

GENERAL NOTES:

1. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT EXCEPT THE CONTROLLER UNIT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
4. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
5. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
6. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
7. THE CONTRACTOR SHALL REMOVE AND RELOCATE FOUR EXISTING VIDEO DETECTION CAMERAS AS SHOWN ON THIS PLAN.

GP-02

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

REDLINE REVISION 7

REVISIONS		
(c) SWAP PHASE 3 AND 4 ADD RIGHT TURN OVERLAP 3+5 SHOP FORCES TO INSTALL PER TOM HICKS 8/4/2005		
(b) REDLINE REVISION 7 INSTALL PEDESTRIAN INDICATIONS ACROSS MD 45	BA3815172	04/05
SWA		
GREENLINE RELOCATION OF MAST ARM POLE & CABINET	BA3815172	07/04
SWA JES		
C SIGNAL RECONSTRUCTION DUE TO GEOMETRIC IMPROVEMENTS	BA3815172	01/03
SWA		

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

SABRA, WANG & ASSOCIATES, INC.
1604 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

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

DRAWN BY: BARRY KING	F.A.P. NO.	TS NO. 3384 E	SHEET NO.
CHECKED BY: A. BUDNICHUK	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: BALTIMORE	T.I.M.S. NO. C-100	129 OF 167
DATE: OCTOBER, 1994	LOG MILE: 03004503.01		

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