MD 41 IS ASSUMED TO RUN N
A NORTH/SOUTH DIRECTION

## CONSTRUCTION DETAILS

A. INSTALL 27' STEEL POLE WITH 50' MAST ARM, SIGNAL HEADS, SIGNS, VIDEO CAMERA, AND 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3" PVC BEND AND 4-ANCHOR BOLTS 1 3/4" x 90").

B. INSTALL 21' STEEL POLE WITH 50' MAST ARM, SIGNAL HEADS, SIGNS, AND VIDEO CAMERA.(NOTE: 1-3" PVC BEND AND 4-ANCHOR BOLTS 1 3/4" x 90").

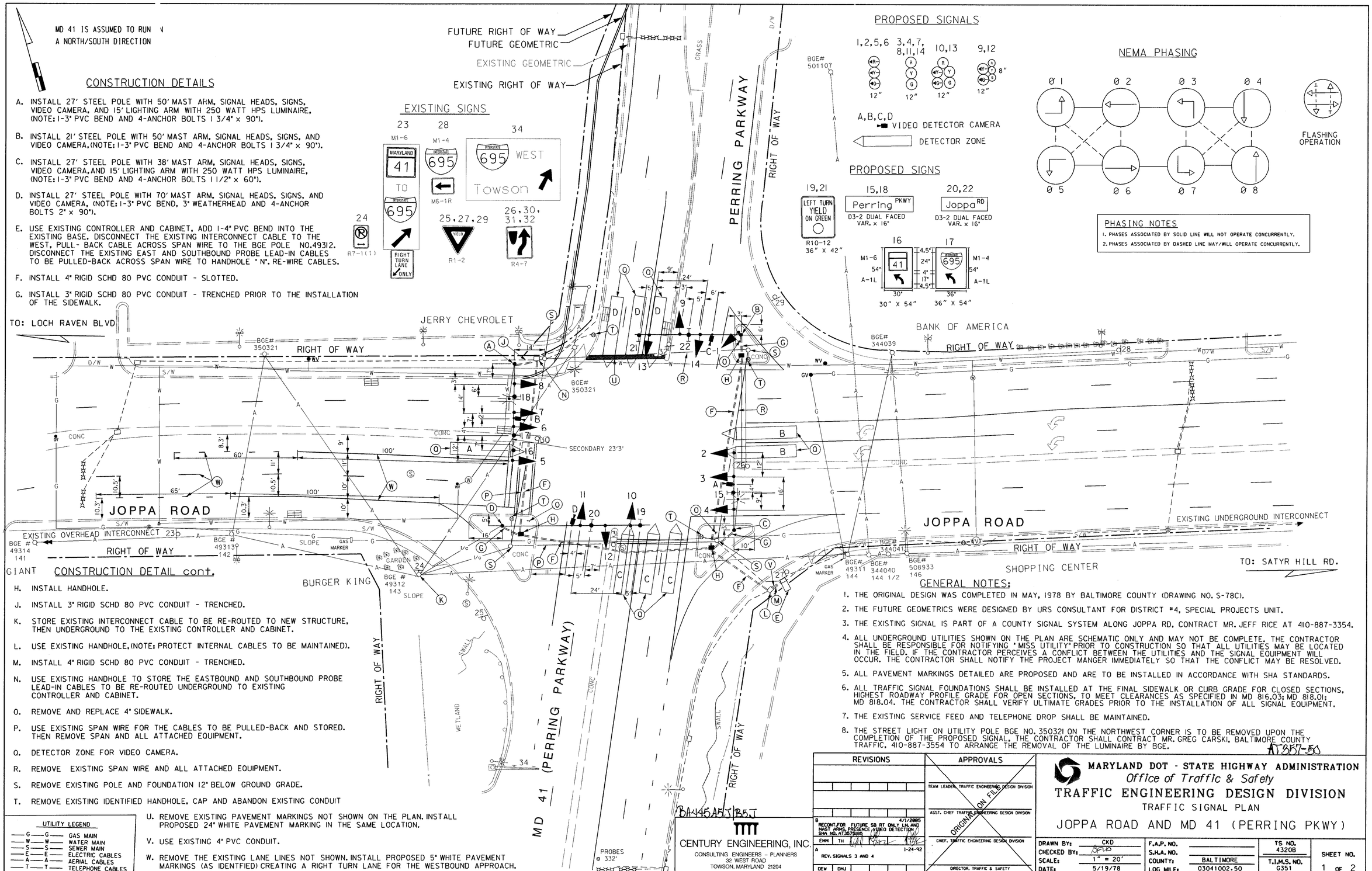
C. INSTALL 27' STEEL POLE WITH 38' MAST ARM, SIGNAL HEADS, SIGNS, VIDEO CAMERA, AND 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3" PVC BEND AND 4-ANCHOR BOLTS 1 1/2" x 60").

D. INSTALL 27' STEEL POLE WITH 70' MAST ARM, SIGNAL HEADS, SIGNS, AND VIDEO CAMERA. (NOTE: 1-3" PVC BEND, 3" WEATHERHEAD AND 4-ANCHOR BOLTS 2" x 90").

E. USE EXISTING CONTROLLER AND CABINET. ADD 1-4" PVC BEND INTO THE EXISTING BASE. DISCONNECT THE EXISTING INTERCONNECT CABLE TO THE WEST, PULL- BACK CABLE ACROSS SPAN WIRE TO THE BGE POLE NO.49312. DISCONNECT THE EXISTING EAST AND SOUTHBOUND PROBE LEAD-IN CABLES TO BE PULLED-BACK ACROSS SPAN WIRE TO HANDHOLE "N". RE-WIRE CABLES.

F. INSTALL 4" RIGID SCHD 80 PVC CONDUIT - SLOTTED.

G. INSTALL 3" RIGID SCHD 80 PVC CONDUIT - TRENCHED PRIOR TO THE INSTALLATION OF THE SIDEWALK.




## CONSTRUCTION DETAIL cont.

H. INSTALL HANDHOLE.

J. INSTALL 3" RIGID SCHD 80 PVC CONDUIT - TRENCHED.

K. STORE EXISTING INTERCONNECT CABLE TO BE RE-ROUTED TO NEW STRUCTURE, THEN UNDERGROUND TO THE EXISTING CONTROLLER AND CABINET.

L. USE EXISTING HANDHOLE.(NOTE: PROTECT INTERNAL CABLES TO BE MAINTAINED).

M. INSTALL 4" RIGID SCHD 80 PVC CONDUIT - TRENCHED.

N. USE EXISTING HANDHOLE TO STORE THE EASTBOUND AND SOUTHBOUND PROBE LEAD-IN CABLES TO BE RE-ROUTED UNDERGROUND TO EXISTING CONTROLLER AND CABINET.

O. REMOVE AND REPLACE 4" SIDEWALK.

P. USE EXISTING SPAN WIRE FOR THE CABLES TO BE PULLED-BACK AND STORED. THEN REMOVE SPAN AND ALL ATTACHED EQUIPMENT.

Q. DETECTOR ZONE FOR VIDEO CAMERA.

R. REMOVE EXISTING SPAN WIRE AND ALL ATTACHED EQUIPMENT.

S. REMOVE EXISTING POLE AND FOUNDATION 12" BELOW GROUND GRADE.

T. REMOVE EXISTING IDENTIFIED HANDHOLE, CAP AND ABANDON EXISTING CONDUIT

U. REMOVE EXISTING PAVEMENT MARKINGS NOT SHOWN ON THE PLAN. INSTALL PROPOSED 24" WHITE PAVEMENT MARKING IN THE SAME LOCATION.

V. USE EXISTING 4" PVC CONDUIT.

W. REMOVE THE EXISTING LANE LINES NOT SHOWN. INSTALL PROPOSED 5" WHITE PAVEMENT MARKINGS (AS IDENTFIED) CREATING A RIGHT TURN LANE FOR THE WESTBOUND APPROACH.

### UTILITY LEGEND

| | |
|---|---|
| —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. THE ORIGINAL DESIGN WAS COMPLETED IN MAY, 1978 BY BALTIMORE COUNTY (DRAWING NO. S-78C).
2. THE FUTURE GEOMETRICS WERE DESIGNED BY URS CONSULTANT FOR DISTRICT #4, SPECIAL PROJECTS UNIT.
3. THE EXISTING SIGNAL IS PART OF A COUNTY SIGNAL SYSTEM ALONG JOPPA RD, CONTRACT MR. JEFF RICE AT 410-887-3354.
4. ALL UNDERGROUND UTILITIES SHOWN ON THE PLAN 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 A CONFLICT BETWEEN THE UTILITIES AND THE SIGNAL EQUIPMENT WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE PROJECT MANGER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
5. ALL PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
6. 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 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
7. THE EXISTING SERVICE FEED AND TELEPHONE DROP SHALL BE MAINTAINED.
8. THE STREET LIGHT ON UTILITY POLE BGE NO. 350321 ON THE NORTHWEST CORNER IS TO BE REMOVED UPON THE COMPLETION OF THE PROPOSED SIGNAL. THE CONTRACTOR SHALL CONTRACT MR. GREG CARSKI, BALTIMORE COUNTY TRAFFIC, 410-887-3554 TO ARRANGE THE REMOVAL OF THE LUMINAIRE BY BGE.

AT357-50

BA445A55|B5J

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS – PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

| REVISIONS | | | |
|---|---|---|---|
| B | RECONT.FOR FUTURE SB RT ONLY LN. AND MAST ARMS, PRESENCE VIDEO DETECTION SHA NO. AT357505 | | 4/1/2005 |
| EMM | TH | | |
| A | REV. SIGNALS 3 AND 4 | | 1-24-92 |
| DEW | DMJ | | |

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

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
*Office of Traffic & Safety*
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
JOPPA ROAD AND MD 41 (PERRING PKWY)

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | CKD | F.A.P. NO. | | TS NO. 4320B | SHEET NO. |
| CHECKED BY: | | S.H.A. NO. | | | |
| SCALE: | 1" = 20' | COUNTY: | BALTIMORE | T.I.M.S. NO. 0351 | 1 OF 2 |
| DATE: | 5/19/78 | LOG MILE: | 03041002.50 | | |

O:*TRANSDWG*25003*25003.09*task 42*g351 ps md41.dgn 3/31/2005