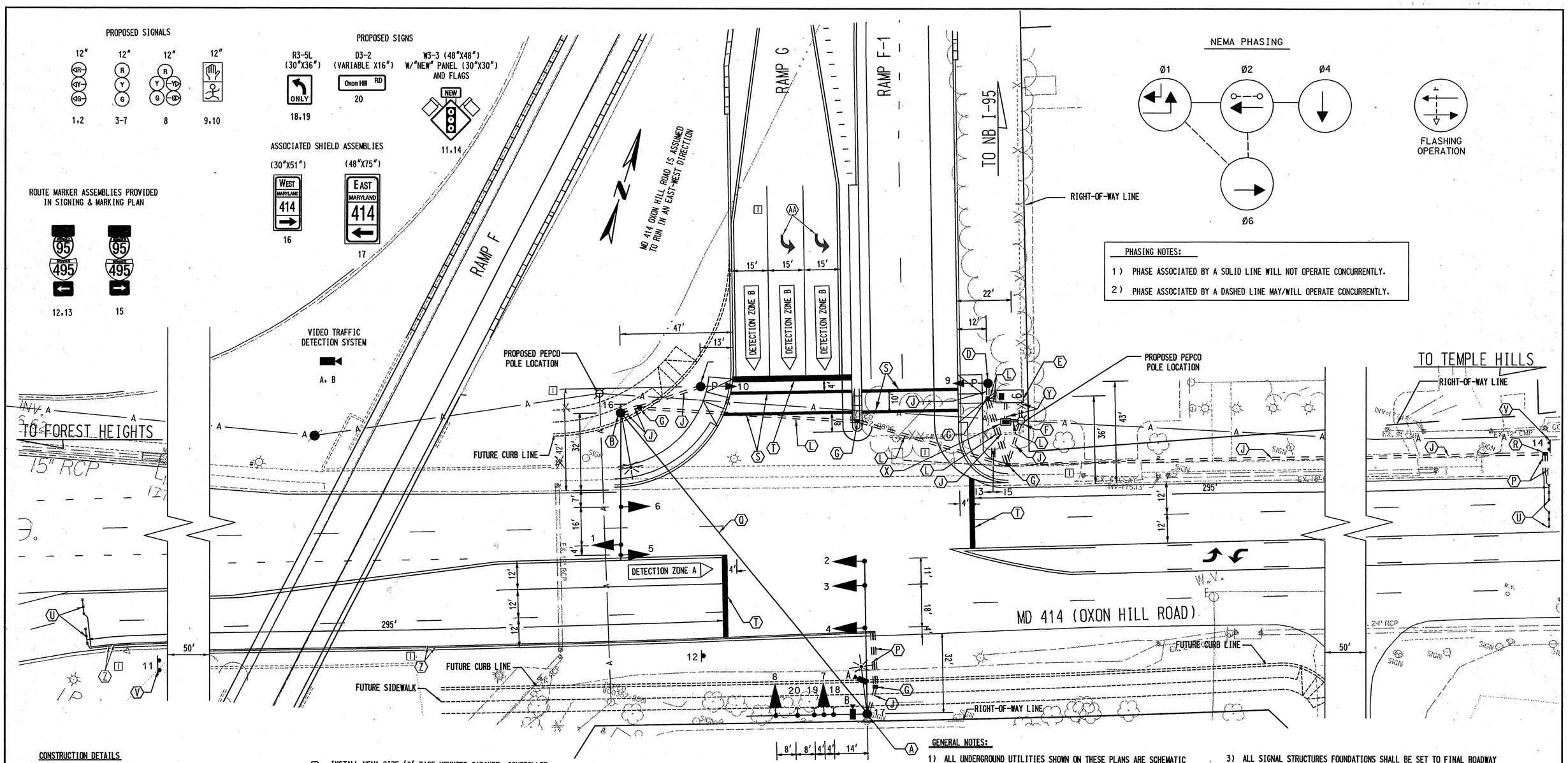


## CONSTRUCTION DETAILS

(A) INSTALL 27 FOOT STEEL POLE WITH TWIN 50 FOOT AND 70 FOOT MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO TRAFFIC DETECTION SYSTEM, 3" WEATHERHEAD, 20 FOOT LIGHTING ARM, AND 250 WATT HPS LAMP AND LUMINAIRE WITH PHOTOCELL. (NOTE: 1-3" SCHEDULE 80, 90-DEGREE PVC CONDUIT BEND)

(B) INSTALL 27 FOOT STEEL POLE WITH 60 FOOT MAST ARM, SIGNAL HEADS, 3" WEATHERHEAD, 20 FOOT LIGHTING ARM AND 250 WATT HPS LAMP AND LUMINAIRE WITH PHOTOCELL. (NOTE: 2-3" SCHEDULE 80, 90-DEGREE PVC CONDUIT BEND)

(D) INSTALL 10 FOOT BREAKAWAY PEDESTAL POLE, AND PEDESTRIAN SIGNAL HEAD. (NOTE: 1-3" SCHEDULE 80, 90-DEGREE PVC CONDUIT BEND)

(E) INSTALL NEMA SIZE '6' BASE MOUNTED CABINET, CONTROLLER AND ALL NECESSARY EQUIPMENT. (NOTE: 2-2" AND 2-4" SCHEDULE 80, 90 DEGREE PVC CONDUITS BENDS)

(F) PROPOSED POWER SERVICE FEED. INSTALL 4-INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT (RISER) TO 10 FEET. COIL 30 FEET OF (3) 1 CONDUCTOR ELECTRICAL CABLE (NO. 4 AWG).

(G) INSTALL ELECTRICAL HANDHOLE.

(J) INSTALL 3-INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

(L) INSTALL 4-INCH SCHEDULE 80 RIGID PVC CONUIT - TRENCHED.

(P) INSTALL 1-INCH ELECTRICAL CONDUIT - GALVANIZED SLEEVE.

(Q) INSTALL STEEL SPAN WIRE - 3/8-INCH DIAMETER FOR CABLE ROUTING.

(R) INSTALL ELECTRICAL HANDHOLE ON EXISTING CONDUIT

(S) INSTALL 12-INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.

(T) INSTALL 24-INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

(U) INSTALL MICRO-LOOP PROBE SET.

(V) INSTALL GROUND MOUNTED SIGN.

[1] ~~(W) USE EXISTING INTERCONNECT CONDUIT.~~

(X) INSTALL ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 100 AMPS.

(Y) INSTALL 2-INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

[1] (Z) SAWCUT FOR PROBE LEAD-IN.

[1] (AA) SEE SIGNING AND PAVEMENT MARKING PLAN SHEET SM-10 FOR INSTALLATION DETAILS.

## GENERAL NOTES:

1) ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE FIELD LOCATED. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.

2) PAVEMENT MARKINGS DETAILED ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MSHA STANDARDS. ALL OTHER PAVEMENT MARKINGS NOT DETAILED ARE FOUND ON SIGNING AND MARKING PLANS.

3) ALL SIGNAL STRUCTURES FOUNDATIONS SHALL BE SET TO FINAL ROADWAY OR CURB GRADE. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONFIRMING FINAL GRADES.

4) EXCESS CABLE FOR USE IN FUTURE CONTRACT SHALL BE COILED IN THE CABINET.

[1] 5) COORDINATE WITH INTERCONNECT PLANS. PULL BACK EXISTING UNDERGROUND AND OVERHEAD INTERCONNECT TO AVOID CONSTRUCTION OF PROPOSED CONDUIT. REROUTE INTERCONNECT CABLES TO PROPOSED CONTROLLER CABINET.

SP-1 OF SP-3

### 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 |


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HUNT VALLEY, MARYLAND
21030-1888
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| REVISIONS | APPROVALS |
|---|---|
| [1] REDLINE NO. 1 FEBRUARY 25, 2004 | ORIGINAL ON FILE |
| [2] ADDENDUM NO. 2 REPLACE SHEET NOVEMBER 24, 2003 | TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION |
| MP | ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION |
| | CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION |
| | DIRECTOR, TRAFFIC & SAFETY |

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
*Office of Traffic & Safety*
TRAFFIC ENGINEERING DESIGN DIVISION

MD 414 (OXON HILL ROAD) AT NB I 95/ 495 RAMPS F-1 AND G

TRAFFIC SIGNAL PLAN

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | M. PIERRE | F.A.P. NO. | DPWW-M013 (37)N | TS NO. 4135 | SHEET NO. 313 OF 374 |
| CHECKED BY: | J. LAWRENCE | S.H.A. NO. | PG3605173 | | |
| SCALE: | 1"=20' | COUNTY: | PRINCE GEORGE'S | T.I.M.S. NO. | |
| DATE: | NOVEMBER 2003 | LOG MILE: | 16041400.16 | | |


PLOTTED: 10:20 AM on Friday, February 13, 2004
BY: Manoj Mittal Division: Transportation
FILE: m:\1998\01981453\210bgpd1.dgn