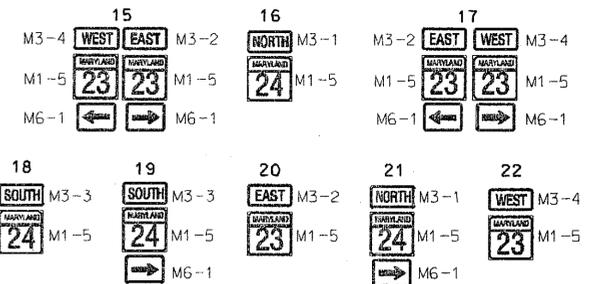
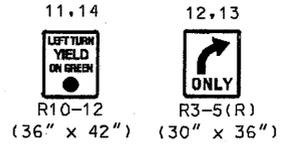


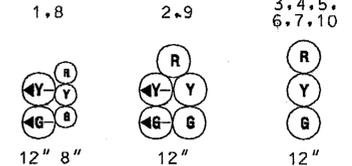
EXISTING SIGNS



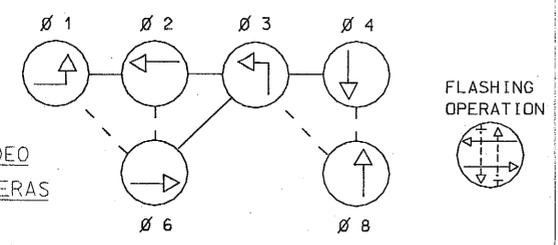
PROPOSED SIGNS



PROPOSED SIGNAL HEADS



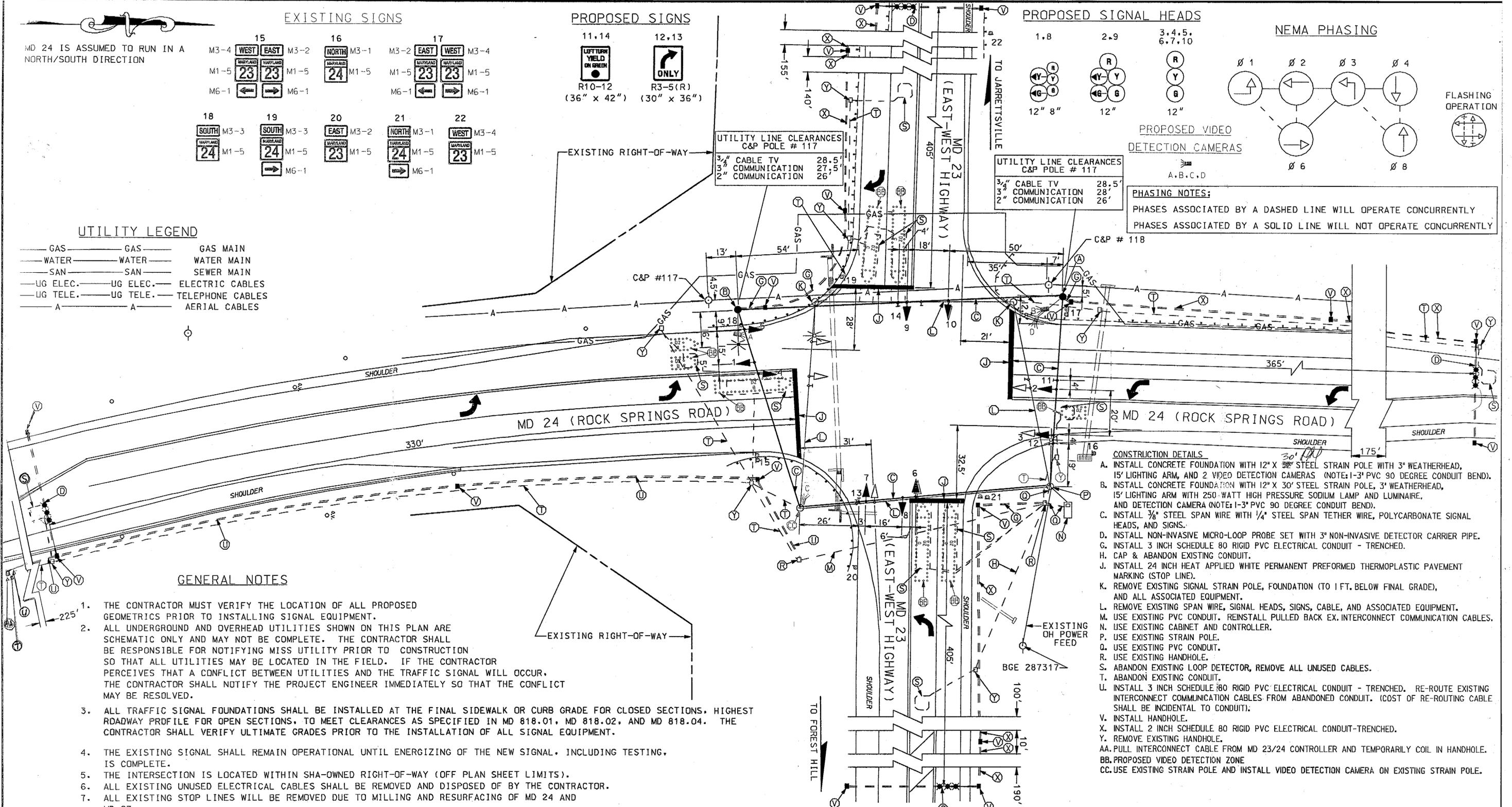
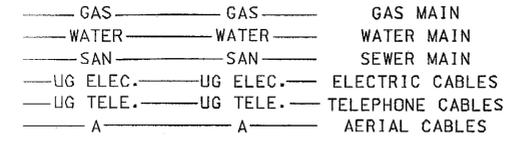
NEMA PHASING



PROPOSED VIDEO DETECTION CAMERAS

PHASING NOTES: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

UTILITY LEGEND



GENERAL NOTES

- 1. THE CONTRACTOR MUST VERIFY THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THIS PLAN ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE.
3. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS...
4. THE EXISTING SIGNAL SHALL REMAIN OPERATIONAL UNTIL ENERGIZING OF THE NEW SIGNAL...
5. THE INTERSECTION IS LOCATED WITHIN SHA-OWNED RIGHT-OF-WAY (OFF PLAN SHEET LIMITS).
6. ALL EXISTING UNUSED ELECTRICAL CABLES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
7. ALL EXISTING STOP LINES WILL BE REMOVED DUE TO MILLING AND RESURFACING OF MD 24 AND MD 23.
8. PAVEMENT MARKINGS DETAILED ARE TO BE INSTALLED BY THE CONTRACTOR AS PER MARYLAND STATE HIGHWAY ADMINISTRATION STANDARDS.
9. ALL LOOP DETECTOR LOCATIONS ARE TO BE MARKED IN THE FIELD AND APPROVED BY THE TRAFFIC ENGINEERING DESIGN DIVISION...
10. REFER TO TRAFFIC CONTROL PLANS FOR SEQUENCE OF TRAFFIC SIGNAL CONSTRUCTION.
11. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
12. FOR REPLACEMENT OF EXISTING SIGNS, SEE SPECIAL PROVISIONS IN THE CONTRACT DOCUMENTS.
13. FOR NEW LONGITUDINAL PAVEMENT MARKINGS, SEE PAVEMENT MARKING PLANS AND SPECIAL PROVISIONS IN THE CONTRACT DOCUMENTS.
14. INSTALL VIDEO DETECTION CONTROL CABLE FROM THE PROPOSED CAMERA, ALONG THE LIGHTING ARM, SPAN WIRE(S), DOWN STRAIN POLE(S), TO THE BASE MOUNTED CABINET. USE EXISTING HANDBOXES AND CONDUIT AS REQUIRED.

CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH 12" X 30" STEEL STRAIN POLE WITH 3" WEATHERHEAD, 15' LIGHTING ARM, AND 2 VIDEO DETECTION CAMERAS...
B. INSTALL CONCRETE FOUNDATION WITH 12" X 30" STEEL STRAIN POLE, 3" WEATHERHEAD, 15' LIGHTING ARM WITH 250-WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE...
C. INSTALL 3/8" STEEL SPAN WIRE WITH 1/4" STEEL SPAN TETHER WIRE, POLYCARBONATE SIGNAL HEADS, AND SIGNS.
D. INSTALL NON-INVASIVE MICRO-LOOP PROBE SET WITH 3" NON-INVASIVE DETECTOR CARRIER PIPE.
E. INSTALL 3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
H. CAP & ABANDON EXISTING CONDUIT.
J. INSTALL 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
K. REMOVE EXISTING SIGNAL STRAIN POLE, FOUNDATION (TO 1 FT. BELOW FINAL GRADE), AND ALL ASSOCIATED EQUIPMENT.
L. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS, SIGNS, CABLE, AND ASSOCIATED EQUIPMENT.
M. USE EXISTING PVC CONDUIT. REINSTALL PULLED BACK EX. INTERCONNECT COMMUNICATION CABLES.
N. USE EXISTING CABINET AND CONTROLLER.
P. USE EXISTING STRAIN POLE.
Q. USE EXISTING PVC CONDUIT.
R. USE EXISTING HANDBOLE.
S. ABANDON EXISTING LOOP DETECTOR, REMOVE ALL UNUSED CABLES.
T. ABANDON EXISTING CONDUIT.
U. INSTALL 3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED. RE-ROUTE EXISTING INTERCONNECT COMMUNICATION CABLES FROM ABANDONED CONDUIT.
V. INSTALL HANDBOLE.
X. INSTALL 2 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT-TRENCHED.
Y. REMOVE EXISTING HANDBOLE.
AA. PULL INTERCONNECT CABLE FROM MD 23/24 CONTROLLER AND TEMPORARILY COIL IN HANDBOLE.
BB. PROPOSED VIDEO DETECTION ZONE
CC. USE EXISTING STRAIN POLE AND INSTALL VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE.

THIS SHEET FIGURE 18A REPLACES SHEET FIGURE 18.

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Table with columns for REVISIONS and APPROVALS. Includes revision 1: 1-08-05 GREENLINE REVISION DUE TO UPGRADE TO VIDEO DETECTION CAMERAS. Includes approval signatures for Team Leader and Asst. Chief Traffic Engineering Design Division.

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION MD 24 (ROCK SPRINGS ROAD) AND MD 23 (EAST-WEST HIGHWAY) FIGURE 18A. Includes fields for DESIGNED BY, CHECKED BY, SCALE, DATE, F.A.P. NO., S.H.A. NO., COUNTY, LOG MILE, TS NO., T.I.M.S. NO., SHEET NO., and OF.