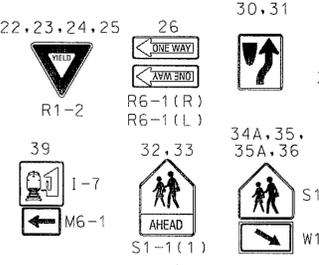


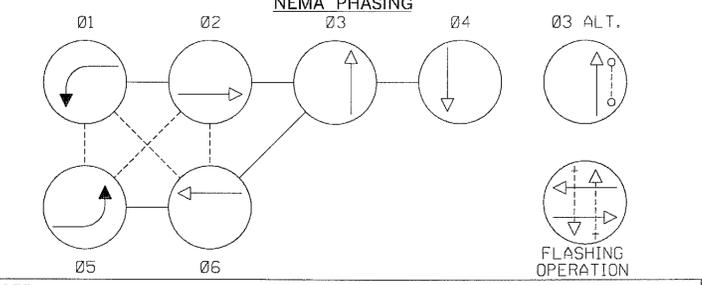
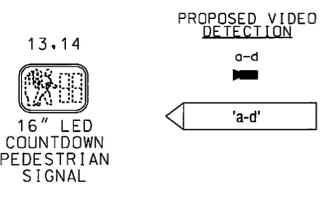
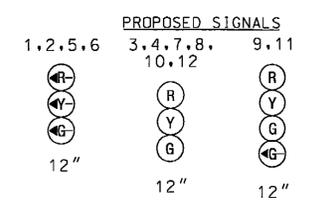
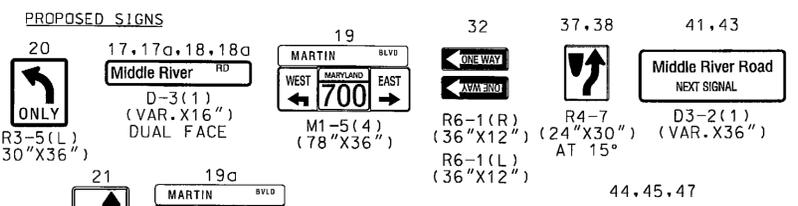
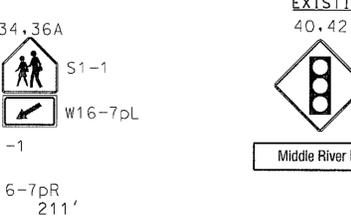


MD 700 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO REMAIN



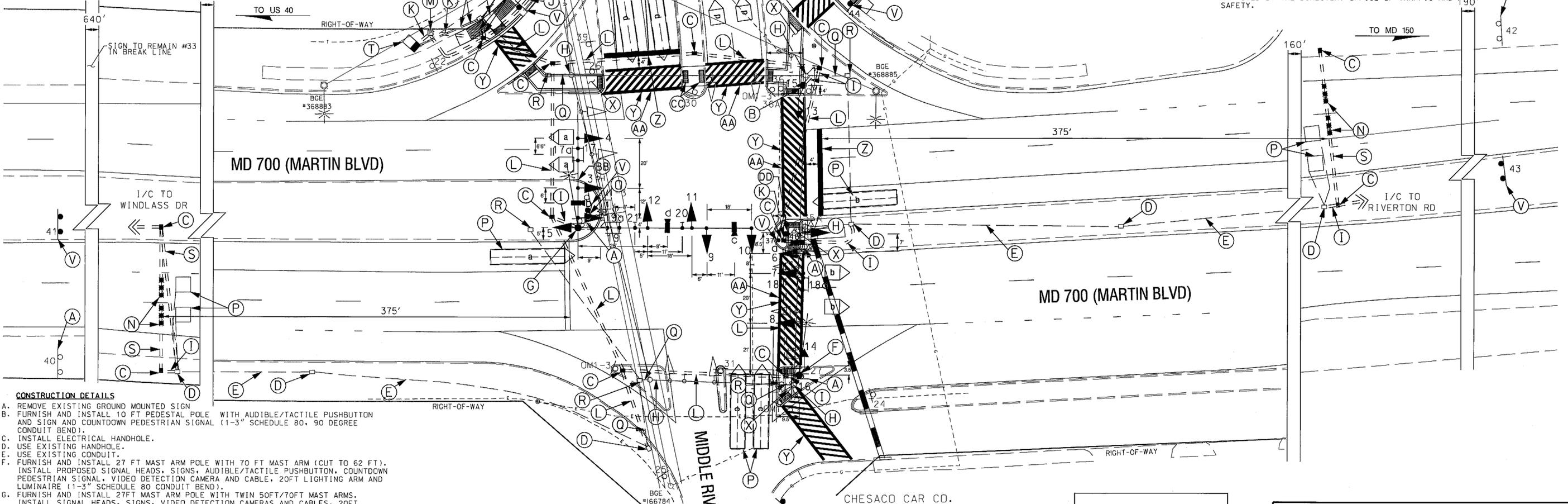
EXISTING SIGNS TO BE REMOVED



- GENERAL NOTES: 1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER. 2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL. 3. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE. 5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. 6. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60"x60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%. 7. DETECTABLE WARNING SURFACES SHALL BE RED CLAY BRICK PAVERS.

NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

- GENERAL NOTES CON'T: 8. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE. 9. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED. 10. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.



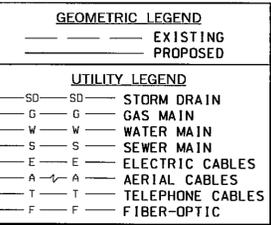
CONSTRUCTION DETAILS

- A. REMOVE EXISTING GROUND MOUNTED SIGN
B. FURNISH AND INSTALL 10 FT PEDESTAL POLE WITH AUDIBLE/TACTILE PUSHBUTTON AND SIGN AND COUNTDOWN PEDESTRIAN SIGNAL (1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND).
C. INSTALL ELECTRICAL HANDHOLE.
D. USE EXISTING HANDHOLE.
E. USE EXISTING CONDUIT.
F. FURNISH AND INSTALL 27 FT MAST ARM POLE WITH 70 FT MAST ARM (CUT TO 62 FT). INSTALL PROPOSED SIGNAL HEADS, SIGNS, AUDIBLE/TACTILE PUSHBUTTON, COUNTDOWN PEDESTRIAN SIGNAL, VIDEO DETECTION CAMERA AND CABLE, 20FT LIGHTING ARM AND LUMINAIRE (1-3" SCHEDULE 80 CONDUIT BEND).
G. FURNISH AND INSTALL 27FT MAST ARM POLE WITH TWIN 50FT/70FT MAST ARMS. INSTALL SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS AND CABLES, 20FT LIGHTING ARM AND LUMINAIRE (1-3" SCHEDULE 80 CONDUIT BEND).
H. REMOVE EXISTING SIGNAL POLE AND ALL EXISTING EQUIPMENT.
I. FURNISH AND INSTALL 3 INCH PVC (SCHEDULE 80), TRENCHED.
J. FURNISH AND INSTALL 4 INCH PVC (SCHEDULE 80), TRENCHED.
K. FURNISH AND INSTALL 2 INCH PVC (SCHEDULE 80), TRENCHED.
L. FURNISH AND INSTALL 4 INCH PVC (SCHEDULE 80), BORED.
M. FURNISH AND INSTALL METERED SERVICE PEDESTAL.

CONSTRUCTION DETAILS CON'T

- AA. REMOVE PAVEMENT MARKINGS
BB. INSTALL NEW TYPE 'A' CURB
CC. INSTALL DETECTABLE WARNING SURFACES (STD. NO. MD655.40)
DD. INSTALL 5 FT BREAKAWAY PEDESTAL ON MODIFIED BASE WITH AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON AND SIGN. (NOTE: INSTALL 1-2" SCHEDULE 80, 90 DEGREE CONDUIT BEND. SEE STD. MD 801.01-01 FOR FOUNDATION DETAIL)

- N. FURNISH AND INSTALL NON-INVASIVE MICROLOOP PROBES.
O. REMOVE EXISTING LEASE LIGHTING POLE. COORDINATE WITH BGE (POLE # 368882) TO REMOVE LUMINAIRE AND UTILITY POLE.
P. ABANDON EXISTING LOOP DETECTOR.
Q. CAP AND ABANDON EXISTING CONDUIT.
R. REMOVE HANDHOLE.
S. FURNISH AND INSTALL 3 INCH PVC (SCHEDULE 80), BORED.
T. INSTALL SIZE '6" BASE MOUNTED CABINET AND CONTROLLER AND ALL NECESSARY EQUIPMENT (USE EXISTING CONCRETE PAD AND CONDUIT BENDS)
U. EXISTING PHONE DROP
V. INSTALL GROUND MOUNTED SIGN
W. INSTALL PROPOSED PARALLEL HANDICAP RAMP (STD. MD. 655.12) WITH DETECTABLE WARNING SURFACES (STD. NO. MD 655.40)
X. INSTALL NEW TYPE 'A' CURB, 5" CONCRETE SIDEWALK, CUT-THROUGH OPENINGS (STD. NO. MD 655.21) WITH DETECTABLE WARNING SURFACES (STD. NO. MD 655.40)
Y. INSTALL 12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS (CROSSWALK)
Z. INSTALL 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS (STOPLINE)



UTILITY HEIGHTS
SECONDARY POWER = 32'
SECONDARY POWER = 27'

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 700 (MARTIN BLVD) @ MIDDLE RIVER RD
MIDDLE RIVER, MARYLAND

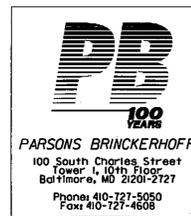


Table with columns for APPROVALS and REVISIONS. Includes a stamp 'ORIGINAL ON FILE'.

Table with columns for REVISIONS. Includes revision D: RECONSTRUCT SIGNAL TMS # J639 and C: SPLIT PHASE ADDED FOR SIDE STREETS.

Table with columns for DESIGNED BY, DRAWN BY, CHECKED BY, FAP NO., TS NO., DRAWING, SHEET NO. Includes names J. Gordon and A. Budnichuck.