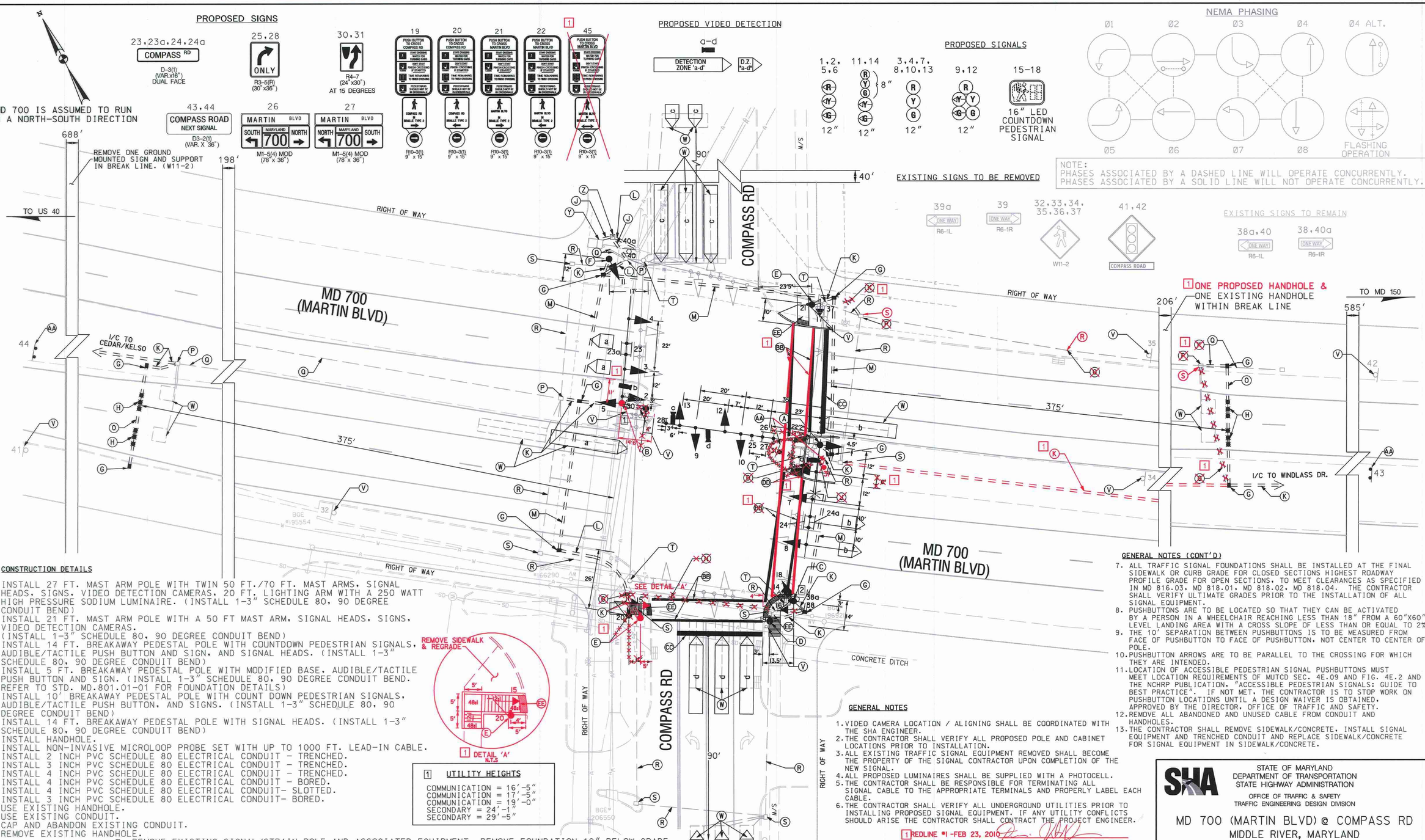

CONSTRUCTION DETAILS

A. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT./70 FT. MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 20 FT. LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM LUMINAIRE. (INSTALL 1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND)
B. INSTALL 21 FT. MAST ARM POLE WITH A 50 FT MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS. (INSTALL 1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND)
C. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE/TACTILE PUSH BUTTON AND SIGN, AND SIGNAL HEADS. (INSTALL 1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND)
D. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH MODIFIED BASE, AUDIBLE/TACTILE PUSH BUTTON AND SIGN. (INSTALL 1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND. REFER TO STD. MD.801.01-01 FOR FOUNDATION DETAILS)
E. INSTALL 10' BREAKAWAY PEDESTAL POLE WITH COUNT DOWN PEDESTRIAN SIGNALS, AUDIBLE/TACTILE PUSH BUTTON, AND SIGNS. (INSTALL 1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND)
F. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH SIGNAL HEADS. (INSTALL 1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND)
G. INSTALL HANDHOLE.
H. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH UP TO 1000 FT. LEAD-IN CABLE.
J. INSTALL 2 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
K. INSTALL 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
L. INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
M. INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
N. INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT- SLOTTED.
O. INSTALL 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT- BORED.
P. USE EXISTING HANDHOLE.
Q. USE EXISTING CONDUIT.
R. CAP AND ABANDON EXISTING CONDUIT.
S. REMOVE EXISTING HANDHOLE.
T. REMOVE EXISTING SIGNAL/STRAIN POLE AND ASSOCIATED EQUIPMENT. REMOVE FOUNDATION 12" BELOW GRADE.
V. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.
W. ABANDON EXISTING LOOP DETECTORS AND REMOVE ALL ASSOCIATED WIRING.
Y. USE EXISTING BASE MOUNTED CABINET AND INSTALL PROPOSED EQUIPMENT.
Z. INSTALL EMBEDDED METERED SERVICE PEDESTAL.
AA. INSTALL GROUND MOUNTED SIGN
BB. INSTALL 12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED PAVEMENT MARKINGS (CROSSWALK)
CC. INSTALL 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED PAVEMENT MARKINGS (STOPLINE)
DD. INSTALL NEW TYPE 'A' CURB, ~~5" CONCRETE SIDEWALK. CUT THROUGH OPENINGS (STD.NO.MD 655.21) WITH DETECTABLE WARNING SURFACE (STD. NO. MD 655.40)~~
EE. REMOVE EXISTING CURB AND SIDEWALK AND INSTALL PROPOSED RAMP WITH DETECTABLE WARNING SURFACES (STD.NO.MD 655.40)

1 UTILITY HEIGHTS

COMMUNICATION = 16'-5"
COMMUNICATION = 17'-5"
COMMUNICATION = 19'-0"
SECONDARY = 24'-1"
SECONDARY = 29'-5"

2 UTILITY HEIGHTS

COMMUNICATION = 18'-10"
COMMUNICATION = 19'-0"
COMMUNICATION = 20'-8"
COMMUNICATION = 23'-4"
COMMUNICATION = 26'-4"
SECONDARY = > 30'

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 REMOVED 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTRACT THE PROJECT ENGINEER.

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GENERAL NOTES (CONT'D)

7. 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 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
8. 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%.
9. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
10. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
11. 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.
12. REMOVE ALL ABANDONED AND UNUSED CABLE FROM CONDUIT AND HANDHOLES.
13. THE CONTRACTOR SHALL REMOVE SIDEWALK/CONCRETE, INSTALL SIGNAL EQUIPMENT AND TRENCHED CONDUIT AND REPLACE SIDEWALK/CONCRETE FOR SIGNAL EQUIPMENT IN SIDEWALK/CONCRETE.

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
F — FIBER-OPTIC

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Fax: 410-727-4608

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
D — SIGNAL RECONSTRUCT TIMS# J639 — CONTRACT # BAI195168 6/1/09
KMP JT DD BGP WH TH
C — MODIFICATION TO NEW GEOMETRY SHA NO: SW996M82 08-24-07
JES TH

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 700 (MARTIN BLVD) @ COMPASS RD
MIDDLE RIVER, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 9-9-1974 CONTRACT NO. AW6795010B5
DESIGNED BY R. BRITTON
DRAWN BY
CHECKED BY A. BUDNICHUCK
FAP NO.
COUNTY BALTIMORE COUNTY
LOGMILE 0307000L21
TIMS NO. J639
TOD NO.
TS NO. 501D DRAWING SP-23 OF 37 SHEET NO. 1 OF 2

PLOTTED: $DATETIME$
FILE: T:\173089a_DistrictdTraffic\trf\Task 4_TEDD Stimulus\Plans\Red Line # 1\MD700_Compass_GP.dgn