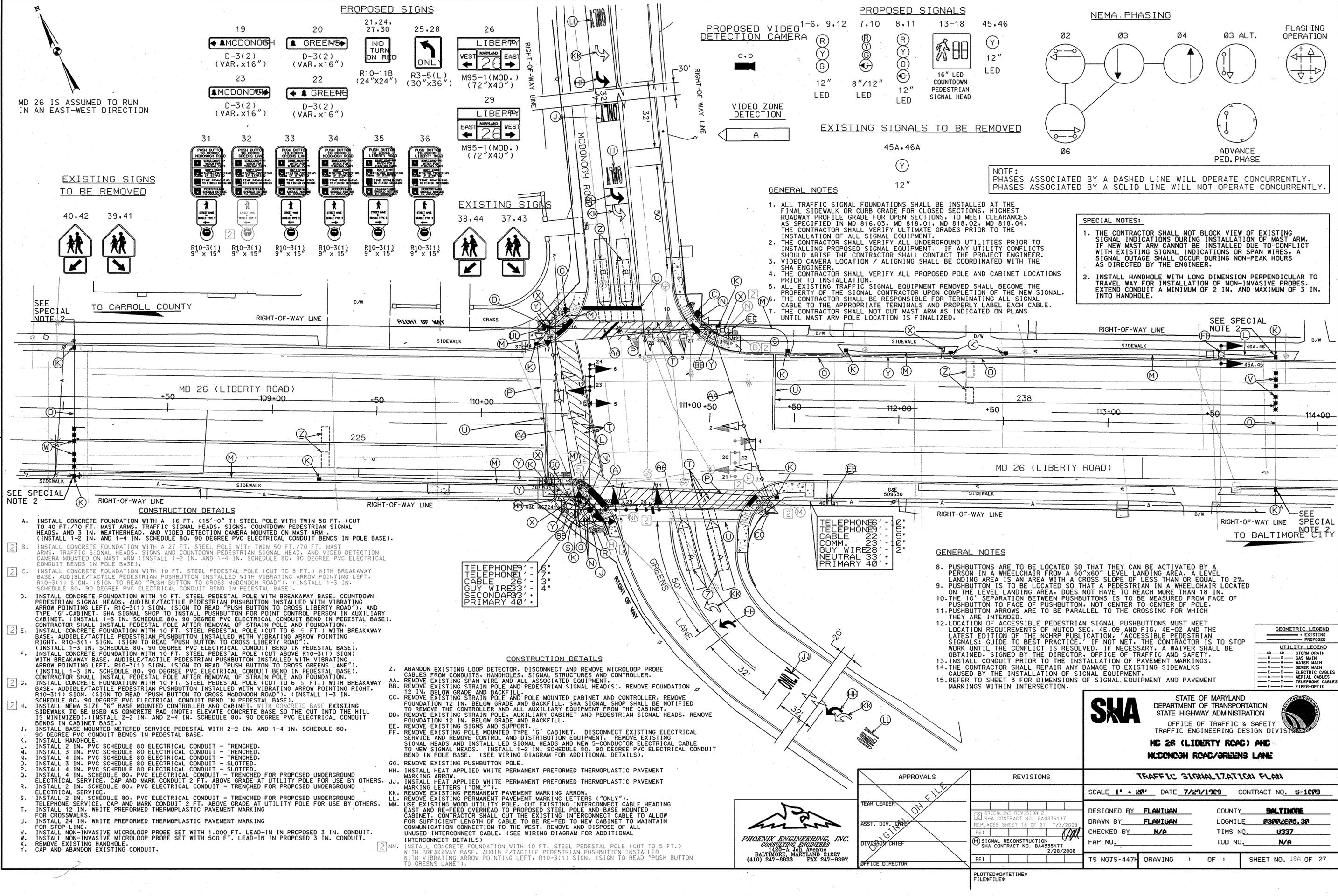
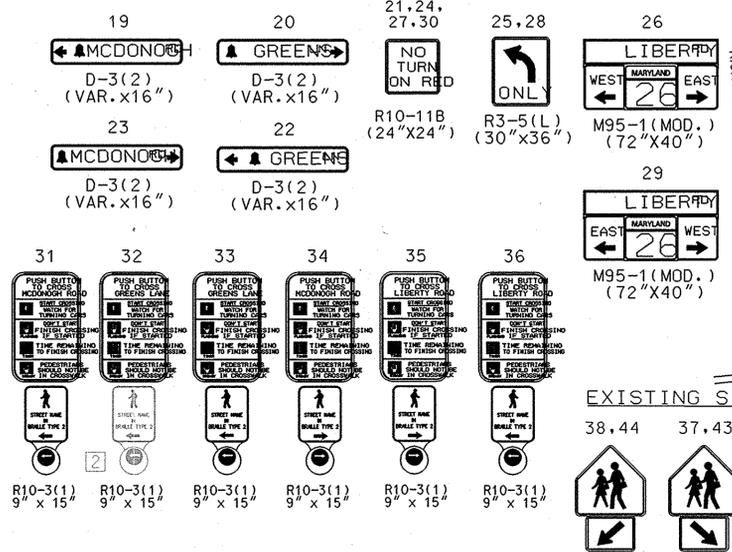


DRILL HOLES



MD 26 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

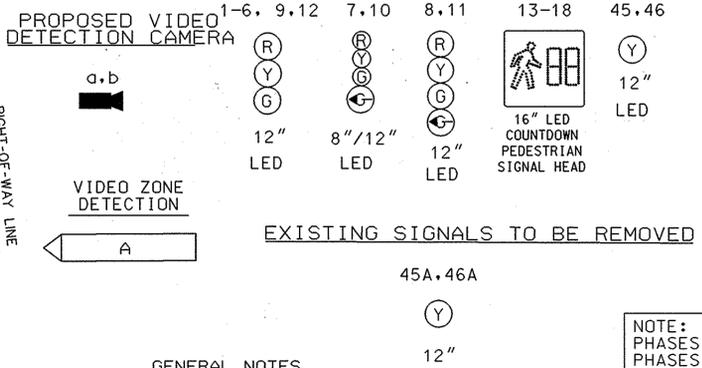
PROPOSED SIGNS



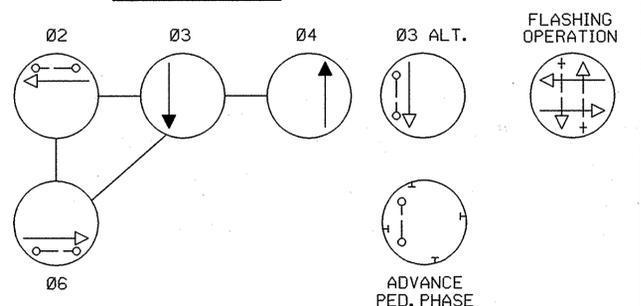
EXISTING SIGNS TO BE REMOVED



PROPOSED SIGNALS



NEMA PHASING



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

GENERAL NOTES

- 1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS...
2. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT...
3. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER...
4. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION...
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL...
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE...
7. THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.

SPECIAL NOTES:

- 1. THE CONTRACTOR SHALL NOT BLOCK VIEW OF EXISTING SIGNAL INDICATIONS DURING INSTALLATION OF MAST ARM...
2. INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES...
EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.

SEE SPECIAL NOTE 2 TO CARROLL COUNTY

SEE SPECIAL NOTE 2 TO BALTIMORE CITY

SEE SPECIAL NOTE 2

SEE SPECIAL NOTE 2

CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH A 16 FT. (15'-0" T) STEEL POLE WITH TWIN 50 FT. (CUT TO 40 FT./70 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, COUNTDOWN PEDESTRIAN SIGNAL HEADS, AND 3 IN. WEATHERHEAD, AND VIDEO DETECTION CAMERA MOUNTED ON MAST ARM...
B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 FT./70 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS AND COUNTDOWN PEDESTRIAN SIGNAL HEAD, AND VIDEO DETECTION CAMERA MOUNTED ON MAST ARM...
C. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE (CUT TO 5 FT.) WITH BREAKAWAY BASE, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT...
D. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, COUNTDOWN PEDESTRIAN SIGNAL HEADS, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT...
E. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE (CUT TO 6.5 FT.) WITH BREAKAWAY BASE, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT...
F. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE (CUT ABOVE R10-3(1) SIGN) WITH BREAKAWAY BASE, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT...
G. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE (CUT TO 6.5 FT.) WITH BREAKAWAY BASE, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT...
H. INSTALL NEMA SIZE "6" BASE MOUNTED CONTROLLER AND CABINET, WITH CONCRETE BASE EXISTING SIDEWALK TO BE USED AS CONCRETE PAD...
J. INSTALL BASE MOUNTED METERED SERVICE PEDESTAL WITH 2-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN PEDESTAL BASE...
K. INSTALL HANDHOLE...
L. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED...
M. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED...
N. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED...
O. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED...
P. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED...
Q. INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE...
R. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE...
S. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND TELEPHONE SERVICE...
T. INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS...
U. INSTALL 2 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE...
V. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT...
W. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT...
X. REMOVE EXISTING HANDHOLE...
Y. CAP AND ABANDON EXISTING CONDUIT.

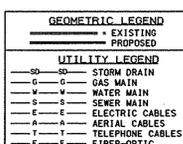
CONSTRUCTION DETAILS

- Z. ABANDON EXISTING LOOP DETECTOR, DISCONNECT AND REMOVE MICROLOOP PROBE CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER...
AA. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT...
BB. REMOVE EXISTING STRAIN POLE AND PEDESTRIAN SIGNAL HEAD(S). REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL...
CC. REMOVE EXISTING STRAIN POLE AND POLE MOUNTED CABINET AND CONTROLLER...
DD. REMOVE EXISTING STRAIN POLE, AUXILIARY CABINET AND PEDESTRIAN SIGNAL HEADS...
EE. REMOVE EXISTING SIGNS AND SUPPORT...
FF. REMOVE EXISTING POLE MOUNTED TYPE "G" CABINET...
GG. REMOVE EXISTING PUSHBUTTON POLE...
HH. INSTALL HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW...
JJ. INSTALL HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LETTERS ("ONLY")...
KK. REMOVE EXISTING PERMANENT PAVEMENT MARKING ARROW...
LL. REMOVE EXISTING PERMANENT PAVEMENT MARKING LETTERS ("ONLY")...
MM. USE EXISTING WOOD UTILITY POLE...
NN. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE (CUT TO 5 FT.) WITH BREAKAWAY BASE, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT, R10-3(1) SIGN.



GENERAL NOTES

- 8. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR...
9. PUSHBUTTON IS TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR...
10. THE 10" SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON...
11. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING...
12. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E-02...
13. INSTALL CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS...
14. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT...
15. REFER TO SHEET 3 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.



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APPROVALS table with columns for TEAM LEADER, ASST. DIV. CHIEF, DIVISION CHIEF, and OFFICE DIRECTOR.

REVISIONS table with columns for revision number, description, and date.

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MC 26 (LIBERTY ROAD) AND MCDONOUGH ROAD/GREENS LANE

TRAFFIC SIGNALIZATION PLAN table with columns for SCALE, DATE, CONTRACT NO., DESIGNED BY, DRAWN BY, CHECKED BY, FAP NO., TS NOTS, DRAWING, and SHEET NO.