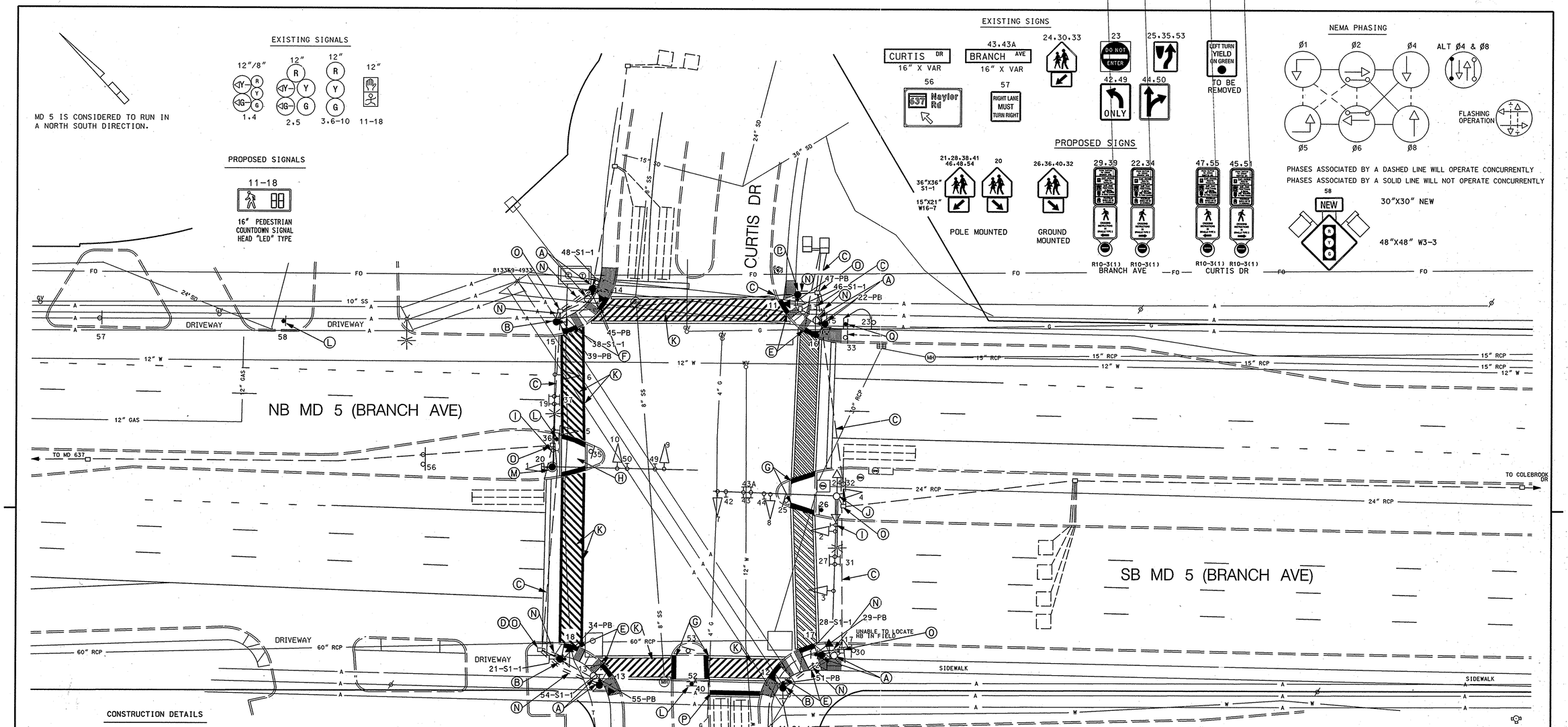


## CONSTRUCTION DETAILS

A. RELOCATE EXISTING BREAKAWAY PEDESTAL POLE TO NEW FOUNDATION AS SHOWN ON PLANS. REPLACE EXISTING HEADS AND PUSHBUTTON WITH NEW APS PUSHBUTTON AND 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD. INSTALL NEW R10-3(1) PUSHBUTTON SIGN, 36" S1-1 SIGN WITH 15"X21" W16-7 ARROWPLATE. 1 3" CONDUIT BEND IN BASE.
B. INSTALL 10' BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON, 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) PUSHBUTTON SIGN, 36" S1-1 SCHOOL SIGN, 15"X21" W6-7 ARROW PLATE. 1 3" CONDUIT BEND IN BASE.
C. USE EXISTING CONDUIT
D. ADJUST EXISTING HANDHOLE TO GRADE
E. INSTALL ADA RAMP WITH DETECTABLE WARNING SURFACE. (STND 655.40) SEE DETAIL SHEET 2
F. INSTALL ADA RAMP WITH DETECTABLE WARNING SURFACE. (STND 655.40) SEE DETAIL SHEET 2
G. INSTALL DETECTABLE WARNING SURFACE TO EXISTING MEDIAN CUT THROUGH IN ACCORDANCE WITH MD STANDARD 655.40
H. REMOVE EXISTING MEDIAN, INSTALL MEDIAN CUT THROUGH WITH DETECTABLE WARNING SURFACE (STND 655.40) AS SHOWN IN DETAIL ON SHEET 2
I. REMOVE EXISTING R10-12 MAST ARM MOUNTED SIGN
J. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS AND PUSHBUTTON FROM EXISTING SIGNAL POLE
K. INSTALL 12" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS (CROSSWALK)
L. INSTALL GROUND MOUNTED SIGN ON 4"X6" WOOD SIGN SUPPORT
M. INSTALL SCHOOL CROSSING SIGN AND ARROW PLATE ON EXISTING SIGNAL UPRIGHT
N. INSTALL 3" RIGID PVC CONDUIT-TRENCHED
O. USE EXISTING HANDBOX
P. INSTALL 24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING
Q. RELOCATE EXISTING GORUND MOUNTED SIGN. REMOVE EXISTING DO NOT ENTER AND INSTALL ON RELOCATED POST

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. ALL PAVEMENT MARKINGS SHALL BEN INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
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. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE FRADE 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.
7. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60"X60" PAVED LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
8. LOCATION OF ACCESSIBLE PEDESTRIAN PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF THE MUTCD, SECTION 4E-09 AND FIGURE 4E-2 AND THE NCHRP PUBLICATION "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MET, THE CONTRACTOR SHALL STOP WORK UNTIL THE CONFLICT HAS BEEN RESOLVED. IF NEEDED, A DESIGN WAIVER SHALL BE OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
9. PUSHBUTTONS ARE TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL FLAT LANDING AREA DOES NOT HAVE TO REACH MORE THAN 18 INCHES.
10. THE 10' SEPARATION BETWEN THE PUSHBUTTONS IS TO BE MEASURED FROM THE FACE OF THE PUSHBUTTON TO THE FACE OF THE PUSHBUTTON, NOT BETWEEN THE POLE FACES.
11. THE CONTRACTOR SHALL DELEIVER THE CENTRAL CONTROL UNIT TO THE SIGNAL SHOP FOR TESTING AND PROGRAMMING.

**TOD NO: AT925-14**
**SHA No: PG587A53/B53**
MD 5 @ Curtis Drive; MD 5 @ MD 637

BY: cstrain

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

MD 5 @ CURTIS DRIVE

| APPROVALS | REVISIONS |
|---|---|
| TEAM LEADER | H344 AT925185 4/2007 |
| ASST. DIV. CHIEF | CJS |
| DIVISION CHIEF | D RECONSTRUCT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS 10/98 PG2095171 |
| OFFICE DIRECTOR | DMP/DCJ BT DAZ BRK BRK/TH |
| ORIGINALS ON FILE | C REVIEW DETECTOR PLACEMENT |
| | RWT |

PLOTTED: Tuesday, April 17, 2007 at 3:17:00 PM
FILE: MD 5 @ MD 637.dgn

TRAFFIC SIGNAL PLAN

SCALE 1:20 DATE 11/20/1973 CONTRACT NO.

DESIGNED BY B. TYSON
DRAWN BY B. TYSON
CHECKED BY
FAP NO.

COUNTY PRINCE GEORGE'S
LOGMILE 16000514.67
TIMS NO. H344
TOD NO.

TS NO. 1071E DRAWING – OF SHEET NO. 1 OF 3