N

MD 450 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

EXISTING SIGNS

20,25 31,35 | 21,26 | 22,27 | 23a,23b,28a,28b (Belair DR) | 24,29 (DO NOT ENTER) | 30 (SPEED LIMIT 30) | 33 (ONLY) | 34,39 (ONLY) | 38 | 32 (EAST MARYLAND 450) | 36 (WEST MARYLAND 450) | 37 (EAST MARYLAND 450)

EXISTING SIGNS TO BE REMOVED

80,81 (LEFT TURN YIELD ON GREEN) | 82,83

EXISTING SIGNALS

1,4 | 2,5 | 3,6-12

12"/8" | 12" | 12"

13 — EXISTING PRE-EMPTION

a,b,c,d — EXISTING VIDEO DETECTION

EXISTING SIGNALS TO BE REMOVED

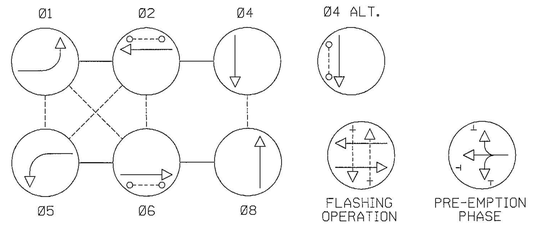
PROPOSED EQUIPMENT

14-19 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

PROPOSED SIGNS

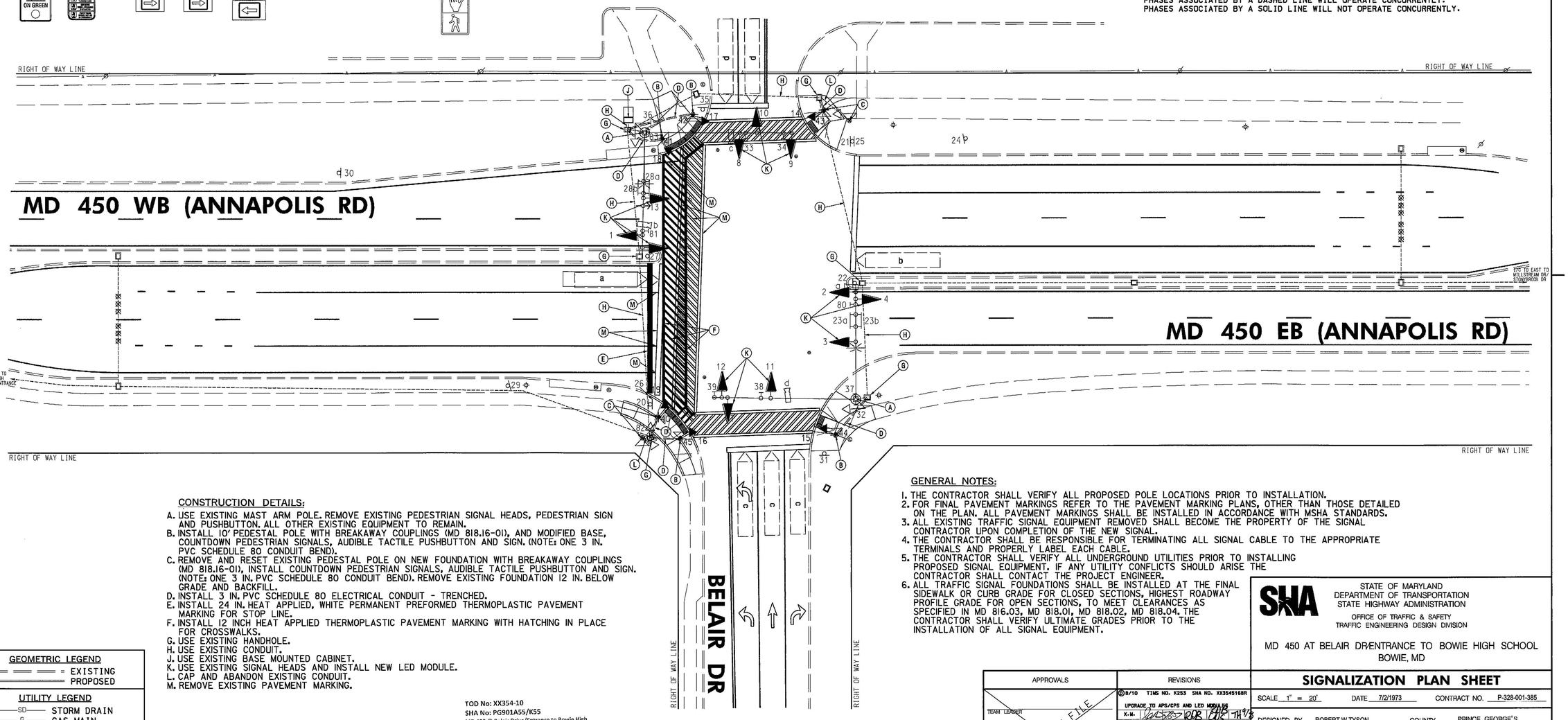
40	41	42	43	44	45
R10-3(1) 9" x 15"	R10-3(1) 9" x 15"	R10-3(1) 9" x 15"	R10-3(1) 9" x 15"	R10-3(1) 9" x 15"	R10-3(1) 9" x 15"

NEMA PHASING



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

ENTRANCE TO BOWIE HIGH SCHOOL



CONSTRUCTION DETAILS:

A. USE EXISTING MAST ARM POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PEDESTRIAN SIGN AND PUSHBUTTON. ALL OTHER EXISTING EQUIPMENT TO REMAIN.
B. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD 818.16-01), AND MODIFIED BASE, COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. REMOVE AND RESET EXISTING PEDESTAL POLE ON NEW FOUNDATION WITH BREAKAWAY COUPLINGS (MD 818.16-01), INSTALL COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
E. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
F. INSTALL 12 INCH HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING WITH HATCHING IN PLACE FOR CROSSWALKS.
G. USE EXISTING HANDHOLE.
H. USE EXISTING CONDUIT.
J. USE EXISTING BASE MOUNTED CABINET.
K. USE EXISTING SIGNAL HEADS AND INSTALL NEW LED MODULE.
L. CAP AND ABANDON EXISTING CONDUIT.
M. REMOVE EXISTING PAVEMENT MARKING.

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE 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 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.

TOD No: XX354-10
SHA No: PG901A55/K55
MD 450 @ Belair Drive/Entrance to Bowie High School

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD—SD— STORM DRAIN
G—G— GAS MAIN
W—W— WATER MAIN
S—S— SEWER MAIN
E—E— ELECTRIC CABLES
A—A— AERIAL CABLES
T—T— TELEPHONE CABLES
F—F— FIBER-OPTIC

BY: xiaoyu

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

REVISIONS
8/10 TIMS NO. K253 SHA NO. XX354516BR
UPGRADE TO APS/CPS AND LED MODULES
X-Mx
SHA NO. PG9005571
C 8/01 SIGNAL MODIFICATION DUE TO RECONSTRUCTION ON MD 450 TIMS D538
MAR | DAZ | | | BRK | TH
B 1/89 ADD OPTICOM FIRE EMPTION PHASING
DCD | SR | DZ | ETP | | BRK

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

MD 450 AT BELAIR DR/ENTRANCE TO BOWIE HIGH SCHOOL
BOWIE, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' | DATE 7/2/1973 | CONTRACT NO. P-328-001-385

DESIGNED BY ROBERT W TYSON | COUNTY PRINCE GEORGE'S
DRAWN BY LT WR | LOGMILE 16045012.96
CHECKED BY | TIMS NO. N/A
F.A.P. NO. | TOD NO.

TS NO. 89D | DRAWING – OF | SHEET NO. 1 OF 3

PLOTTED: 8****, **** 30, 2010 AT 09:24 ****
FILE: P:\09-002 TEDD\Task 34 MD 450 @ Belair Dr\Drawings\CADD\Working\pSG-P001_MD450@BelairDr.dgn