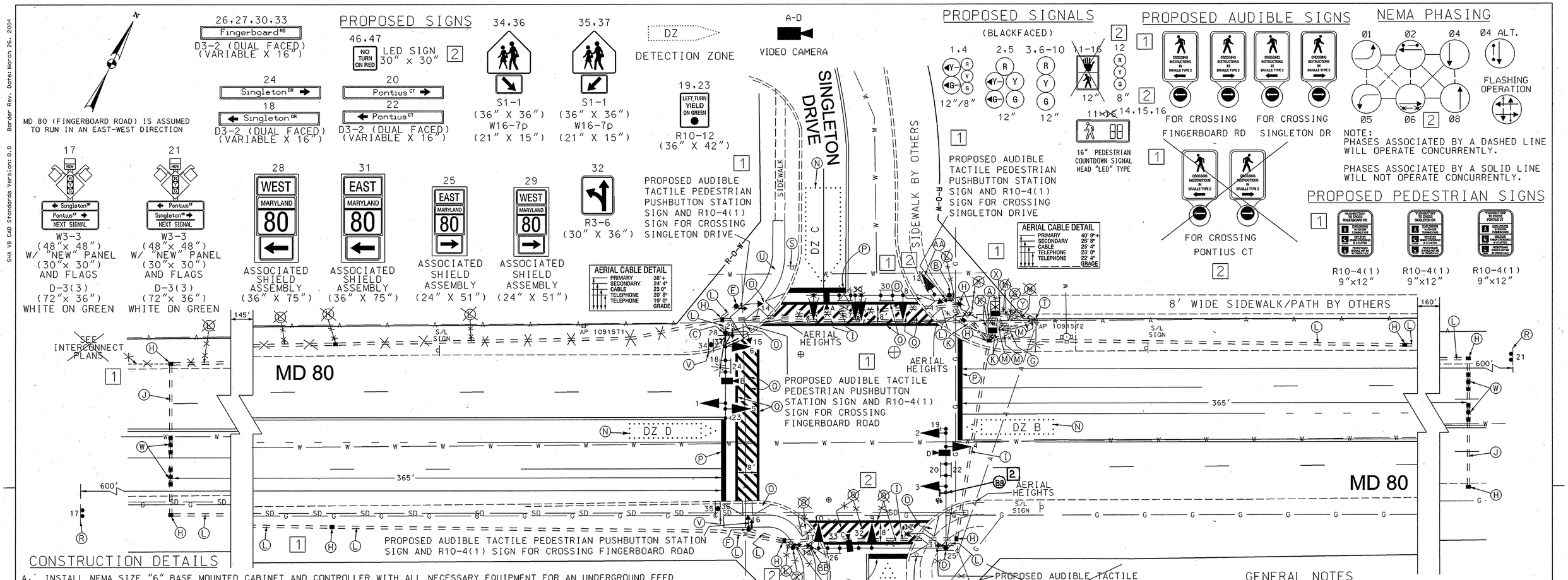
SHA V8 CAD Standards Version: 0.0 Border Rev. Date: March 26, 2004



CONSTRUCTION DETAILS

A. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT FOR AN UNDERGROUND FEED (NOTE: 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS.)

B. INSTALL 21 FT. STEEL POLE WITH 60 FT. MAST ARM, TRAFFIC SIGNAL HEADS, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION (SIGN TO READ "PUSHBUTTON TO CROSS SINGLETON DR."), CAMERA, AND SIGNS AS SHOWN (NOTE: 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND). 1

C. INSTALL 27 FT. STEEL POLE WITH 38 FT. MAST ARM, TRAFFIC SIGNAL HEADS, COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION (SIGN TO READ "PUSHBUTTON TO CROSS FINGERBOARD RD."), CAMERA, SIGNS, 20 FT. LIGHTING ARM, AND 250 WATT HPS LAMP AND LUMINAIRE AS SHOWN (NOTE: 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).

D. INSTALL 27 FT. STEEL POLE WITH TWIN 60 FT. / 50 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, ~~COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION (SIGN TO READ "PUSHBUTTON TO CROSS PONTIUS CT.").~~ CAMERAS, SIGNS, 20 FT. LIGHTING ARM, AND 250 WATT HPS LAMP AND LUMINAIRE AS SHOWN (NOTE: 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND). 2

E. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION (SIGN TO READ "PUSHBUTTON TO CROSS SINGLETON DR.") (NOTE: 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).

F. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION (SIGN TO READ "PUSHBUTTON TO CROSS FINGERBOARD RD.") (NOTE: 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).

G. INSTALL METERED SERVICE PEDESTAL.

H. INSTALL HANDHOLE.

I. INSTALL 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT (BORED).

J. INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT (BORED).

K. INSTALL 4 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT (TRENCHED).

L. INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT (TRENCHED).

M. INSTALL 2 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT (TRENCHED).

N. DETECTION ZONE FOR AUTO SCOPE CAMERA.

O. INSTALL HANDICAP RAMP WITH DETECTABLE WARNING SURFACE.

P. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING ~~TAPE~~ FOR STOPLINE.

Q. INSTALL 12 IN. WHITE THERMOPLASTIC PAVEMENT MARKING ~~TAPE~~ FOR CROSSWALK.

R. INSTALL GROUND MOUNTED SIGN ON TWO (2) 4 IN. X 6 IN. WOOD SIGN SUPPORTS.

S. REMOVE GROUND MOUNTED SIGN (R1-1, STOP SIGN).

T. USE EXISTING WOOD POLE w/ LIGHT (ALLEGHENY POWER).

U. INSTALL 5 FT. SIDEWALK.

V. INSTALL GROUND MOUNTED SIGNS ON ONE (1) 4 IN. X 6 IN. WOOD SIGN SUPPORT.

W. INSTALL NON-INVASIVE MICRO PROBES. 1

X. REMOVE CABINET FOUNDATION 12" BELOW GRADE.

Y. REMOVE AND SALVAGE ELECTRICAL PEDESTAL.

~~Z. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION (SIGN TO READ "PUSHBUTTON TO CROSS PONTIUS CT.") (NOTE: 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).~~ 2

AA. INSTALL TRAFFIC SIGNAL HEAD.

BB. INSTALL LED "NO TURN ON RED" SIGN.

GENERAL NOTES

1. SIGNS AND PAVEMENT MARKINGS NOT SHOWN/DETAILED TO BE INSTALLED BY THE CONTRACTOR ARE TO BE INSTALLED BY OTHERS.
2. THE LOCATION OF THE PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF FINAL SURFACE COURSE, HANDICAP RAMPS AND PAVEMENT MARKINGS.
4. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
6. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
8. CONTRACTOR TO REMOVE EXISTING STOP SIGNS AT SIGNAL ACTUATION.
9. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK GRADE OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

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

BAI BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS
9220 RUMSEY ROAD; SUITE 110
COLUMBIA, MARYLAND 21045
(410)-884-3607

BY: $USERNAME$

APPROVALS	REVISIONS
TEAM LEADER	1 REVISION #1 1/5/06 RELOCATE CABINET, PEDESTAL POLE / ADD APS SIGNALS CJP
ASST. DIV. CHIEF	2 REVISION #2 7/20/06 INSTALL HIB. SIGNAL/REMOVE PONTIUS CT. PED. CROSSING RJM CJS
DIVISION CHIEF	
OFFICE DIRECTOR	

ORIGINALS ON FILE

SURVEY BOOK NO.

PLOTTED: $DATE$
FILE: $FILE$

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

MD 80 (FINGERBOARD ROAD) AND SINGLETON DRIVE /PONTIUS COURT

PLAN SHEET

SG-01

SCALE 1" = 20' DATE 2/25/05 CONTRACT NO.

DESIGNED BY M.A. MEARS TS NO. 4383
DRAWN BY CJP T.I.M.S. NO. G795
CHECKED BY RJM F.A.P. NO.
COUNTY FREDERICK LOGMILE 10008006.23

DRAWING NO. 1 OF 3 SHEET NO. 1 OF 3

INDEXED