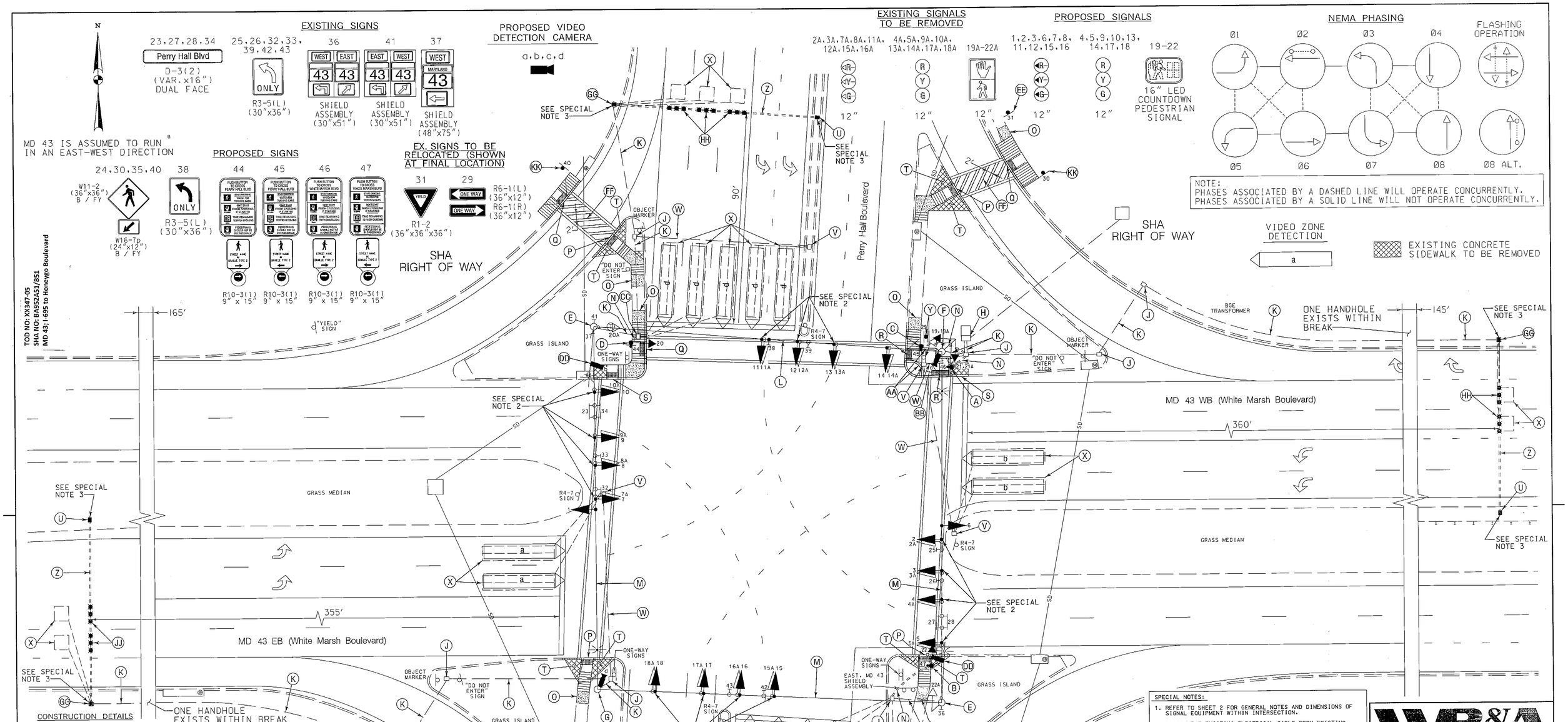
TOD NO: XX347-05
SHA NO: BA952A51/B51
MD 43; I-695 to Honeygo Boulevard



CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01. AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS WHITE MARSH BLVD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
B. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01. COUNTDOWN PEDESTIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS WHITE MARSH BLVD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
C. INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01. AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS PERRY HALL BLVD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
D. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01. AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS PERRY HALL BLVD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
E. USE EXISTING STRAIN POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND R10-4 SIGN FROM STRAIN POLE. CLEAN EXISTING DRILLED HOLES WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS.
F. USE EXISTING STRAIN POLE. INSTALL 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE AND VIDEO DETECTION CAMERA MOUNTED WITHIN 3 FT. OF TOP OF STRAIN POLE. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND R10-4 SIGN. INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEADS. CLEAN EXISTING DRILLED HOLES WITH BRUSH AND SPRAY COLD GALVANIZING COMPOUND ON THE AFFECTED AREAS.
G. USE EXISTING STRAIN POLE. INSTALL 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE AND VIDEO DETECTION CAMERA MOUNTED WITHIN 3 FT. OF TOP OF STRAIN POLE.
H. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).
J. USE EXISTING HANDHOLE.
K. USE EXISTING CONDUIT.
L. USE EXISTING SPAN WIRE AND REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW L.E.D. SIGNAL HEADS AND SIGN AS SHOWN.
M. USE EXISTING SPAN WIRE AND REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW L.E.D. SIGNAL HEADS AS SHOWN.
N. INSTALL 3 IN. PVC SCHULE 80 ELECTRICAL CONDUIT - TRENCHED.
O. REMOVE EXISTING SIDEWALK AND INSTALL 5 IN. CONCRETE SIDEWALK.
P. REMOVE EXISTING SIDEWALK RAMP AND INSTALL SIDEWALK RAMP (STANDARD NO. MD 655.11) AND DETECTABLE WARNING SURFACE CLAY BRICK PAVERS WITH THE PLACEMENT IN ACCORDANCE WITH STANDARD NO. MD 655.40.
Q. REMOVE EXISTING SIDEWALK RAMP AND INSTALL SIDEWALK RAMP (STANDARD NO. MD 655.12) AND DETECTABLE WARNING SURFACE CLAY BRICK PAVERS WITH THE PLACEMENT IN ACCORDANCE WITH STANDARD NO. MD 655.40.
R. INSTALL DETECTABLE WARNING SURFACE CLAY BRICK PAVERS WITH THE PLACEMENT IN ACCORDANCE WITH STANDARD NO. MD 655.40.
S. REMOVE EXISTING SIDEWALK RAMP. BACKFILL, SEED AND MULCH. INSTALL COMBINATION CONCRETE CURB AND GUTTER (STANDARD NO. MD 620.02 TYPE 'A').
T. REMOVE EXISTING SIDEWALK RAMP. BACKFILL, SEED AND MULCH.
U. INSTALL HANDHOLE.
V. REMOVE EXISTING HANDHOLE.
W. CAP AND ABANDON EXISTING CONDUIT.
X. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
Y. EXISTING R6-1(R&L) (36"x12") SIGNS TO BE RELOCATED ON ONE 4 IN. X 4 IN. TREATED WOOD SUPPORT (L=13.5 FT.).
Z. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
AA. REMOVE EXISTING CONCRETE RAMP AND SIDEWALK AND INSTALL MEDIAN CUT-THROUGH AND STANDARD TYPE A COMBINATION CURB AND GUTTER PAN.
BB. INSTALL 9 INCH CONCRETE SIDEWALK.
CC. USE EXISTING HANDHOLE AND ADJUST TO FINAL GRADE.
DD. INSTALL VIDEO DETECTION ARM ON EXISTING LIGHTING BRACKET ARM AS SHOWN.
EE. RELOCATE R2-1 (36"x36"x36") SIGN ON ONE 4 IN. X 6 IN. TREATED WOOD SUPPORT (L=17') AS SHOWN.
FF. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
GG. REMOVE EXISTING HANDHOLE AND RE-INSTALL IN-KIND ROTATING HANDHOLE 90 DEGREES TO ROADWAY ON TOP OF EXISTING CONDUIT LEAVING 6 IN. PROTRUDING INTO HANDHOLE.
HH. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
JJ. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
KK. INSTALL W11-2 (36"x36") B/FY AND W16-7p (24"x12") B/FY SIGNS ON ONE 4 IN. X 6 IN. TREATED WOOD SUPPORT (L=17') AS SHOWN.

SPECIAL NOTES:

1. REFER TO SHEET 2 FOR GENERAL NOTES AND DIMENSIONS OF SIGNAL EQUIPMENT WITHIN INTERSECTION.
2. DISCONNECT EXISTING ELECTRICAL CABLE FROM EXISTING SIGNAL HEADS TO BE REMOVED AND RE-CONNECT TO PROPOSED SIGNAL HEADS. ANY SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
3. 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.

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

WR&A
WHITMAN, REQUARDT & ASSOCIATES, LLP
801 South Caroline Street, Baltimore, Maryland 21231

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

MD 43 (White Marsh Boulevard) and Perry Hall Boulevard
White Marsh, MD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 21989 CONTRACT NO. B 818-502-471

DESIGNED BY P.J.M.
DRAWN BY A.G.S./P.J.M.
CHECKED BY D.B.S.
F.A.P. NO.
COUNTY Baltimore
LOGMILE 03004300.00
TIMS NO. K348
TOD NO.

TS NO. 2513 A | DRAWING TSP-1 | OF 4 | SHEET NO. 1 OF 4

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

REVISIONS
A UPGRADE SIGNAL TO APS, CPS AND LED SIGNAL HEADS CONTRACT SHA NO. XX3475185 12/10/2010
SRB NIK

PLOTTED: 01-13-2011
FILE: N:\31669-079\CADD\pSG-P001_Perryhall.dgn

BY: sbloss