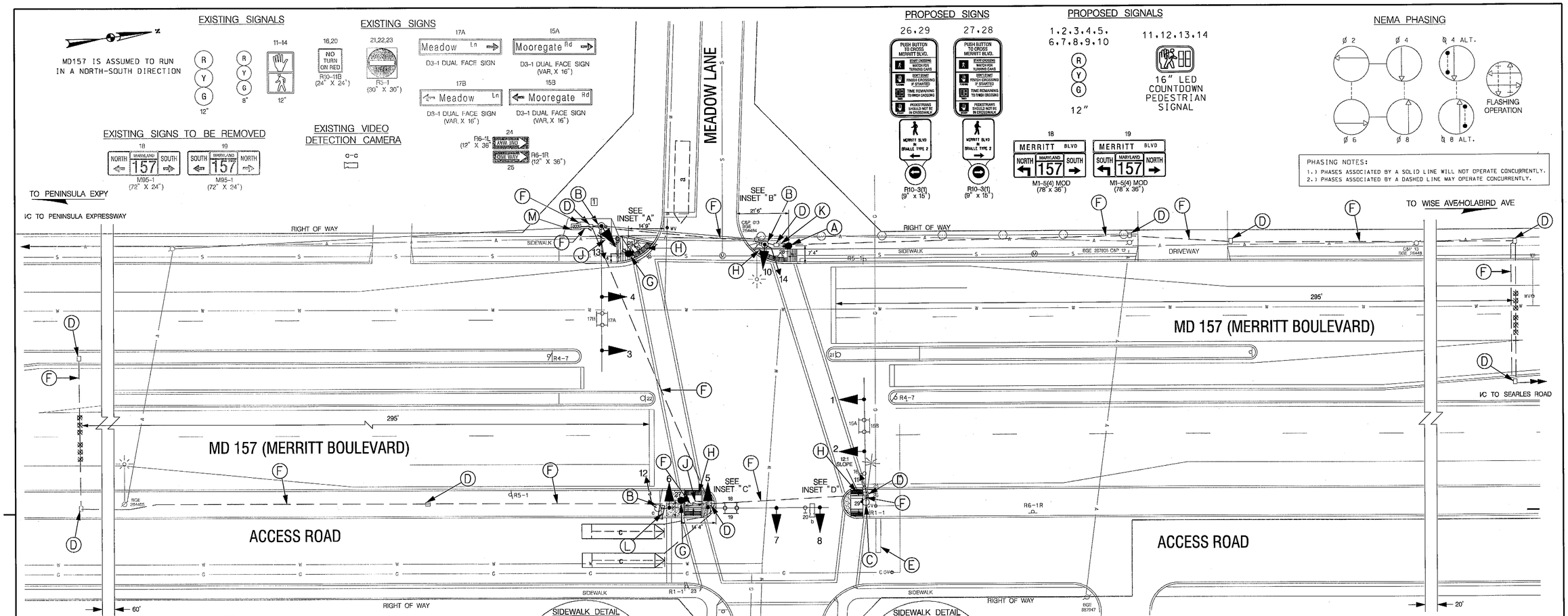

CONSTRUCTION DETAILS

A. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH MODIFIED BASE AND INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON AND SIGN. (NOTE: INSTALL 1-2" SCHEDULE 80, 90 DEGREE CONDUIT BEND. SEE MD STD 801.01-01 FOR FOUNDATION DETAILS)
B. USE EXISTING POLE, REMOVE EXISTING PUSH BUTTON, SIGN, PEDESTRIAN SIGNAL HEAD AND TRAFFIC SIGNAL HEADS. INSTALL 16" LED COUNTDOWN PEDESTRIAN SIGNAL AND TRAFFIC SIGNAL HEADS
C. USE EXISTING POLE. REMOVE EXISTING PUSH BUTTON, SIGN AND PEDESTRIAN SIGNAL HEAD. REPLACE EXISTING SIGNAL MODULES WITH LED MODULES AND INSTALL 16" LED COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE / TACTILE PUSH BUTTON AND SIGN
D. USE EXISTING HANDHOLE
E. REMOVE EXISTING PAVEMENT MARKINGS
F. USE EXISTING CONDUIT
G. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE AND AUDIBLE/TACTILE PEDESTRIAN PUSH BUTTON AND SIGN (NOTE: INSTALL 1-3" SCHEDULE 80, 90 DEGREE CONDUIT BEND. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK)
H. INSTALL PROPOSED ADA RAMPS WITH DETECTABLE WARNING SURFACES (STD. NO. MD 655.40). SEE RESPECTIVE DETAILS FOR EACH RAMP
J. INSTALL 3 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED
K. INSTALL 2 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED
L. ROTATE EXISTING VIDEO DETECTION CAMERA TO CAPTURE ACCESS RD
M. USE EXISTING CABINET

GENERAL NOTES:

1. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
2. REMOVE ALL ABANDONED AND UNUSED SIGNAL CABLE FROM CONDUIT AND HANDHOLES
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
4. 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.

GENERAL NOTES CONTINUED:

5. 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.

UTILITY HEIGHTS

[1] CATV = 14' - 0"
CATV = 15' - 3"
C & P = 17' - 5"
C & P = 19' - 1"
PRIMARY = >31' - 0"

GENERAL NOTES CONTINUED:

6. THE CONTRACTOR SHALL REMOVE SIDEWALK/CONCRETE. INSTALL SIGNAL EQUIPMENT AND TRENCHED CONDUIT AND REPLACE SIDEWALK/CONCRETE FOR SIGNAL EQUIPMENT IN SIDEWALK/CONCRETE
7. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60"X60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
8. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
9. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
10. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSH-BUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS:GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSH-BUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
11. DETECTABLE WARNING SURFACES SHALL BE RED CLAY BRICK PAVERS.
12. VIDEO CAMERA ALIGNMENT SHALL BE COORDINATED WITH THE SHA ENGINEER.

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

PB 100 YEARS
PARSONS BRINCKERHOFF
100 South Charles Street
Tower I, 10th Floor
Baltimore, MD 21201-2727
Phone: 410-727-5050
Fax: 410-727-4608

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

REVISIONS
A APS, CPS, SIGNAL HEAD LED UPGRADE — TIMS#J639
CONTRACT # BA495159
KMP 8/15/09

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

MD 157 AND MOORGATE ROAD/MEADOW LANE

DUNDALK, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 8/2004 CONTRACT NO. AT3575185

DESIGNED BY M.HOWELL
DRAWN BY
CHECKED BY
FAP NO. N/A
COUNTY BALTIMORE
LOGMILE 03015703.03
TIMS NO. J639
TOD NO.

TS NO. 4339A | DRAWING SP-11 | OF 39 | SHEET NO. 1 OF 2

PLOTTED: $DATETIME$
FILE: T:\173089a_DistrictdTraffic\trf\Task 4_TEDD Stimulus\Plans\MD157_MorgateMeadow_GP.dgn