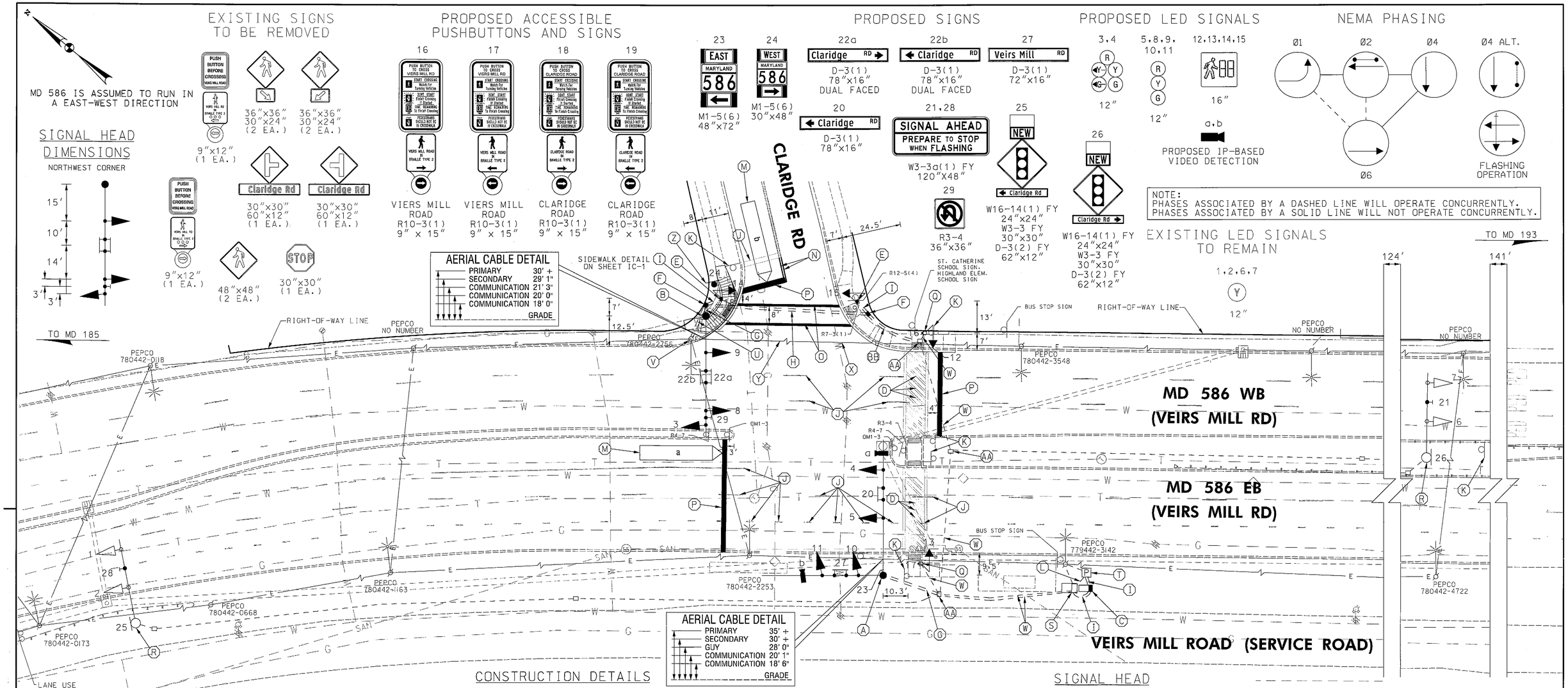

CONSTRUCTION DETAILS

A. INSTALL 18 FT. SPECIAL 'T' MAST ARM POLE WITH TWIN 60 FT./50 FT. MAST ARMS, LED SIGNAL HEADS, VIDEO DETECTION CAMERAS, AND SIGNS. CUT 60 FT. MAST ARM TO 56 FT. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. TOP OF FOUNDATION SHALL BE INSTALLED AT TOP OF CURB GRADE. CUT, CLEAN, GALVANIZE AND CAP SIGNAL STRUCTURE. FLANGE PLATE FOR 60 FT. MAST ARM SHALL BE MOUNTED AT 'T' = 15.0 FT.

B. INSTALL 16.5 FT. SPECIAL 'T' MAST ARM POLE WITH 50 FT. MAST ARM, LED SIGNAL HEADS AND SIGNS. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. TOP OF FOUNDATION SHALL BE INSTALLED AT TOP OF CURB GRADE.

C. INSTALL NEMA SIZE 5 BASE MOUNTED CABINET WITH UPS BATTERY BACKUP. INSTALL 2-2 IN. AND 2-4 IN. CONDUIT BENDS IN CABINET BASE. CAP UNUSED CONDUIT BENDS.

D. REMOVE EXISTING 12 INCH WIDE CROSS-HATCHING PAVEMENT MARKINGS FROM CROSSWALK. EDGE LINES SHALL REMAIN.

E. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.

F. INSTALL ELECTRICAL HANDHOLE.

G. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

H. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED.

I. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

J. REMOVE EXISTING PAVEMENT MARKINGS.

K. REMOVE EXISTING SIGN AND SUPPORTS.

L. CAP AND ABANDON EXISING CONDUIT.

M. PROPOSED VIDEO DETECTION ZONE 1 FT. BEHIND STOP LINE.

N. INSTALL 5 INCH YELLOW PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING.

O. INSTALL 12 INCH WHITE PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS.

P. INSTALL 24 INCH WHITE PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS.

Q. REMOVE EXISTING PUSHBUTTON AND SIGN FROM 10' PEDESTAL POLE. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSING). PLUG UNUSED HOLES.

R. USE EXISTING MAST ARM POLE. REMOVE EXISTING SIGNS. INSTALL PROPOSED SIGNS.

S. USE EXISTING CABINET. REMOVE EXISTING MODEL X CENTRAL CONTROL UNIT. INSTALL 2-WIRE APS CENTRAL CONTROL UNIT & IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT.

T. USE EXISTING METERED SERVICE PEDESTAL.

U. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED. STUB AT UTILITY POLE FOR INTERCONNECT.

V. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT RISER. 3 IN. WEATHERHEAD ON UTILITY POLE 780442-2756 FOR I/C.

W. USE EXISTING CONDUIT.

X. INSTALL 12-PAIR SELF SUPPORTING COMMUNICATION CABLE FOR INTERCONNECT. REFER TO INTERCONNECT PLAN FOR DETAILS.

SIGNAL HEAD DIMENSIONS

SOUTHEAST CORNER

10' 10' 24' 7' 8' 10'

Y. LOWEST OVERHEAD UTILITY LINE TO BE RAISED BY UTILITY COMPANY.

Z. INSTALL PROPOSED SIGN ON 2 - 4 INCH BY 4 INCH WOOD SIGN SUPPORTS.

AA. USE EXISTING HANDHOLE.

BB. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

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

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

REVISIONS: A — INSTALL FULL COLOR SIGNAL, 12-2011 APS/CPS, NORTH CROSSWALK SHA NO. XX4395185 TMS NO. L053 — BJG 12/21/11

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

MD 586 (VEIRS MILL RD) AT CLARIDGE RD
SILVER SPRING, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE JANUARY 2011 CONTRACT NO. XX3545168

DESIGNED BY BJG COUNTY MONTGOMERY
DRAWN BY AMR LOGMILE 15058604.38
CHECKED BY BLB TIMS NO. L053
FAP NO. TOD NO.

TS NO. 4763A DRAWING SP-1 OF 2 SHEET NO. 1 OF 3

PLOTTED: Tuesday, November 29, 2011 AT 03:10 PM
FILE: \\rkm1\v2008\2008\08148_tcddes\Task 68_MD 586 @ Claridge\CADD\pSG-P001_MD586.dgn

TOD NO: XX439-04
SHA NO: M0242852
MD 586 @ Claridge Road

BY: WFW