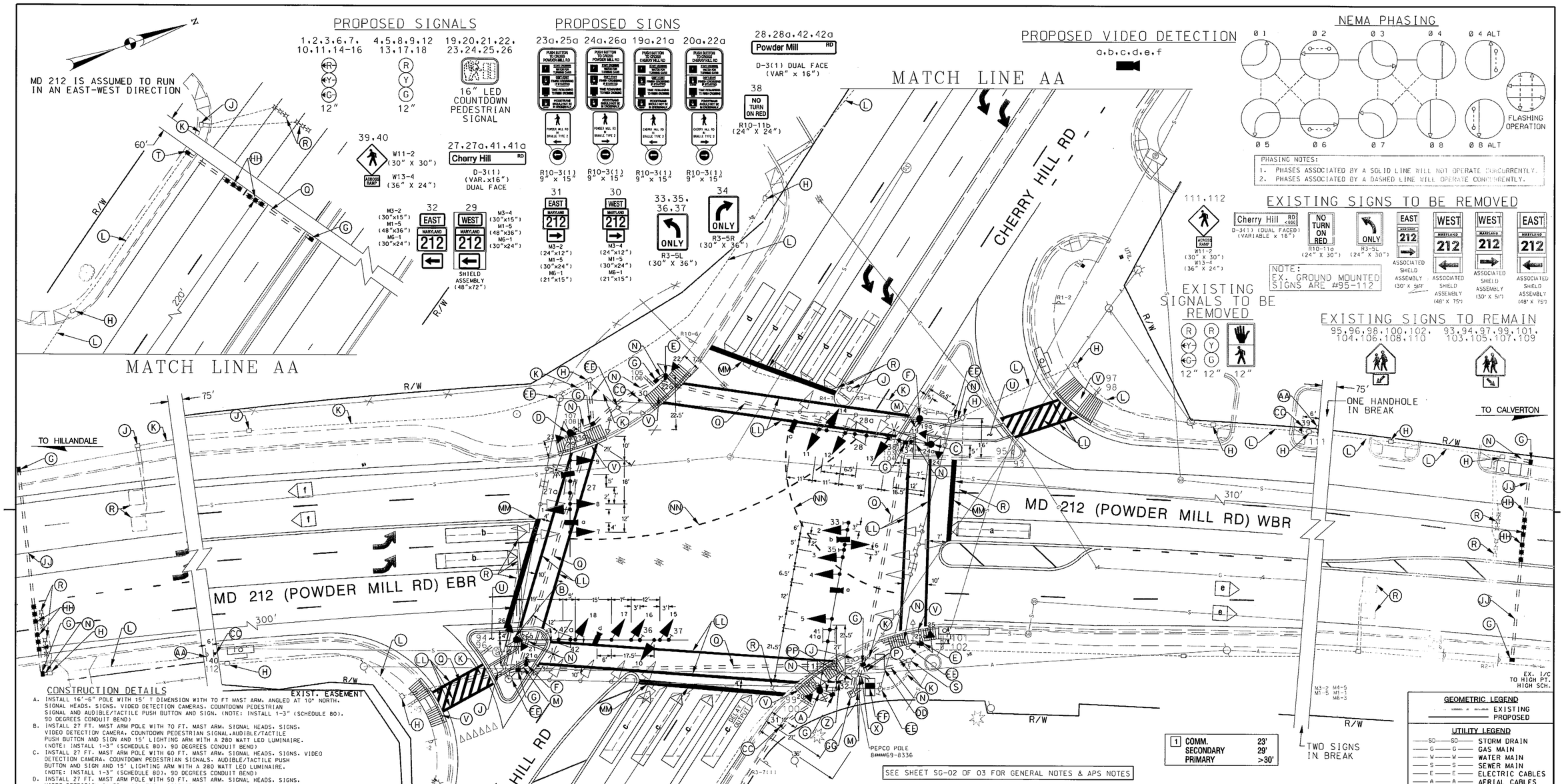

CONSTRUCTION DETAILS

A. INSTALL 16'-6" POLE WITH 15' T DIMENSION WITH 70 FT MAST ARM, ANGLED AT 10° NORTH. SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, COUNTDOWN PEDESTRIAN SIGNAL AND AUDIBLE/TACTILE PUSH BUTTON AND SIGN. (NOTE: INSTALL 1-3" (SCHEDULE 80), 90 DEGREES CONDUIT BEND)
B. INSTALL 27 FT. MAST ARM POLE WITH 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE/TACTILE PUSH BUTTON AND SIGN AND 15' LIGHTING ARM WITH A 280 WATT LED LUMINAIRE. (NOTE: INSTALL 1-3" (SCHEDULE 80), 90 DEGREES CONDUIT BEND)
C. INSTALL 27 FT. MAST ARM POLE WITH 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE/TACTILE PUSH BUTTON AND SIGN AND 15' LIGHTING ARM WITH A 280 WATT LED LUMINAIRE. (NOTE: INSTALL 1-3" (SCHEDULE 80), 90 DEGREES CONDUIT BEND)
D. INSTALL 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE/TACTILE PUSH BUTTON AND SIGN AND 15' LIGHTING ARM WITH A 280 WATT LED LUMINAIRE. (NOTE: INSTALL 1-3" (SCHEDULE 80), 90 DEGREES CONDUIT BEND)
E. INSTALL 10' BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL, AND AUDIBLE/TACTILE PUSH BUTTON AND SIGN (INSTALL 1-2" SCHEDULE 80, 90 DEGREE CONDUIT BEND. SEE STD MD-801.01-01 FOR FOUNDATION DETAIL)
F. INSTALL 10' BREAKAWAY PEDESTAL POLE (CUT TO 5') WITH AUDIBLE/TACTILE PUSH BUTTON AND SIGN (INSTALL 1-2" SCHEDULE 80, 90 DEGREE CONDUIT BEND. SEE STD MD-801.01-01 FOR FOUNDATION DETAIL)
G. INSTALL HANDHOLE
H. USE EXISTING HANDHOLE
J. REMOVE EXISTING HANDHOLE
K. CAP AND ABANDON EXISTING CONDUIT. REMOVE ALL UNUSED WIRES
L. USE EXISTING CONDUIT
M. INSTALL 2 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED
N. INSTALL 3 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED
P. INSTALL 4 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED
Q. INSTALL 4 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - SLOTTED
R. ABANDON EXISTING LOOP DETECTORS/MICROLOOP PROBES AND REMOVE ALL ASSOCIATED WIRING
S. USE EXISTING HANDHOLE. PULL BACK EXISTING INTERCONNECT CABLE AND REROUTE I/C TO PROPOSED CABINET
T. TAP INTO EXISTING CONDUIT AND INSTALL HANDHOLE
U. INSTALL SIDEWALK, 8" CURB AND GUTTER AS SHOWN. INSTALL CUT-THROUGH ISLAND OPENING (MD STD 655.21MOD) WITH DETECTABLE WARNING SURFACE (MD STD 655.40). SEE DETAIL SHEET SG-02
V. INSTALL STANDARD SIDEWALK RAMP (MD STD 655.12) WITH DETECTABLE WARNING SURFACE (MD STD 655.40)
W. INSTALL STANDARD SIDEWALK RAMP (MD STD 655.11) WITH DETECTABLE WARNING SURFACE MD STD 655.40)
X. INSTALL 2 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED. STUB UP CONDUIT AT UTILITY POLE FOR PHONE DROP
Y. NOT USED
Z. INSTALL GROUND MOUNTED SIGN ON TWO (2) 4"x4" WOOD SUPPORTS
AA. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT
BB. INSTALL GROUND MOUNTED SIGN ON 4"x4" BREAKAWAY WOOD SUPPORT
CC. INSTALL GROUND MOUNTED SIGN ON 4"x6" BREAKAWAY WOOD SUPPORT
DD. REMOVE EXISTING CABINET AND ALL ASSOCIATED EQUIPMENT

CONSTRUCTION DETAILS CON'T

EE. REMOVE EXISTING STRAIN POLE/PEDESTRIAN POLE AND ALL ASSOCIATED EQUIPMENT. REMOVE FOUNDATION 12" BELOW GRADE AND BACKFILL.
FF. INSTALL SIZE 5' BASE MOUNTED CABINET, CONTROLLER & UPS SYSTEM WITH ALL NECESSARY EQUIPMENT.(NOTE: INSTALL 2-2" AND 2-4" (SCHEDULE 80), 90 DEGREES CONDUIT BEND)
GG. INSTALL EMBEDDED METERED SERVICE PEDESTAL (100 AMPS)
HH. INSTALL NON-INVASIVE MICROLOOP PROBE SET, WITH UP TO 1000' LEAD IN CABLE
JJ. INSTALL 3 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - BORED
KK. INSTALL 3 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - SLOTTED
LL. INSTALL 12" WHITE HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKINGS LINES (FOR CROSSWALK)
MM. INSTALL 24" WHITE HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKINGS LINES (FOR STOP LINES)
NN. INSTALL 5" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS (3' LINE, 3' SPACING)
PP. INSTALL 4" PVC (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED WITH 35' OF SLACK FOR ALL 3 WIRES OF 1- CONDUCTOR (NO. 250 KCMIL) FOR POWER SERVICE TO BASE OF UTILITY POLE.

PARSONS BRINCKERHOFF
100 S. Charles Street
Tower 1, 10th Floor
Baltimore, MD 21201
(Ph) 410-787-5050
(Fax) 410-727-4608
http://www.pbworld.com

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

F	SIGNAL RECONSTRUCT W/ APS, CPS AND LED HEADS					TIMS# 1741
	CONTRACT #PG7865477					12-13-12
	KMP					C.J.W.
E	PED SIGNAL MODIFICATIONS					TIMS# F653
	CONTRACT # PG469517					
	TAP	BT	MAR	DZ		BRK
D	RECONSTRUCT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS					869
	NML				BRK	TH

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

MD 212 (POWDER MILL RD) AND CHERRY HILL RD
BELTSVILLE, MARYLAND

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' DATE 09/30/63 CONTRACT NO. P-736-50-376

DESIGNED BY
DRAWN BY W. RICHARDSON
CHECKED BY S. RENZI
FAP NO.
COUNTY PRINCE GEORGE'S
LOGMILE 16021206.87
TIMS NO.
TOD NO.

TS NO. 1923F DRAWING SG - 01 OF 05 SHEET NO. 1 OF 3

PLOTTED: Friday, December 14, 2012 AT 08:59 AM
FILE: "\\73.29.24.--Traffic\Design\Work\PF\SR\Bsha\SG-??? MD212CherryHill.dgn"