PROPOSED SIGNS

29

ASSOCIATED SHIELD ASSEMBLY (36" X 51")

30

ASSOCIATED SHIELD ASSEMBLY (48" X 75")

21

D-3(I) MOD
18" X VARIABLE

26

D-3(I) MOD
18" X VARIABLE

34

D-3(I) MOD
18" X VARIABLE

19,24,25

R10-4(I)
(9" X 12")

27,28

R10-4(MOD)
(9" X 12")

33

R3-6(L)
(30" X 36")

20,22,23,31,32

R3-5(L)
(30" X 36")

PROPOSED EQUIPMENT

I,II,III,IV,V

VIDEO DETECTION CAMERA

PROPOSED SIGNALS

NEMA PHASING

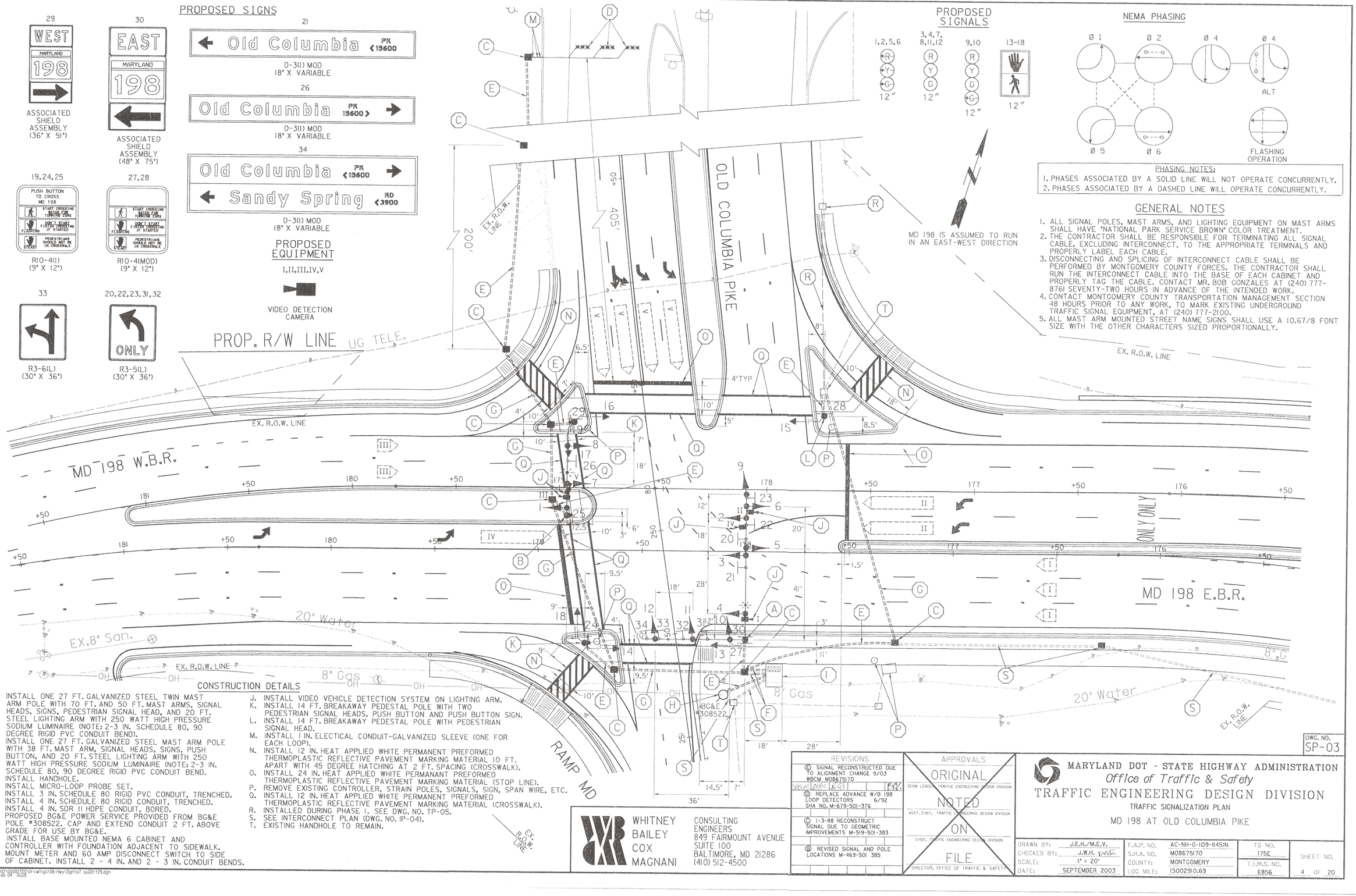
PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

MD 198 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

GENERAL NOTES

1. ALL SIGNAL POLES, MAST ARMS, AND LIGHTING EQUIPMENT ON MAST ARMS SHALL HAVE 'NATIONAL PARK SERVICE BROWN' COLOR TREATMENT.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE, EXCLUDING INTERCONNECT, TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
3. DISCONNECTING AND SPLICING OF INTERCONNECT CABLE SHALL BE PERFORMED BY MONTGOMERY COUNTY FORCES. THE CONTRACTOR SHALL RUN THE INTERCONNECT CABLE INTO THE BASE OF EACH CABINET AND PROPERLY TAG THE CABLE. CONTACT MR. BOB GONZALES AT (240) 777-8761 SEVENTY-TWO HOURS IN ADVANCE OF THE INTENDED WORK.
4. CONTACT MONTGOMERY COUNTY TRANSPORTATION MANAGEMENT SECTION 48 HOURS PRIOR TO ANY WORK, TO MARK EXISTING UNDERGROUND TRAFFIC SIGNAL EQUIPMENT, AT (240) 777-2100.
5. ALL MAST ARM MOUNTED STREET NAME SIGNS SHALL USE A 10.67/8 FONT SIZE WITH THE OTHER CHARACTERS SIZED PROPORTIONALLY.



CONSTRUCTION DETAILS

A. INSTALL ONE 27 FT. GALVANIZED STEEL TWIN MAST ARM POLE WITH 70 FT. AND 50 FT. MAST ARMS, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEAD, AND 20 FT. STEEL LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE (NOTE: 2-3 IN. SCHEDULE 80, 90 DEGREE RIGID PVC CONDUIT BEND).
B. INSTALL ONE 27 FT. GALVANIZED STEEL MAST ARM POLE WITH 38 FT. MAST ARM, SIGNAL HEADS, SIGNS, PUSH BUTTON, AND 20 FT. STEEL LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE (NOTE: 2-3 IN. SCHEDULE 80, 90 DEGREE RIGID PVC CONDUIT BEND.
C. INSTALL HANDHOLE.
D. INSTALL MICRO-LOOP PROBE SET.
E. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT, TRENCHED.
F. INSTALL 4 IN. SCHEDULE 80 RIGID CONDUIT, TRENCHED.
G. INSTALL 4 IN. SDR 11 HDPE CONDUIT, BORED.
H. PROPOSED BG&E POWER SERVICE PROVIDED FROM BG&E POLE #308522. CAP AND EXTEND CONDUIT 2 FT. ABOVE GRADE FOR USE BY BG&E.
I. INSTALL BASE MOUNTED NEMA 6 CABINET AND CONTROLLER WITH FOUNDATION ADJACENT TO SIDEWALK. MOUNT METER AND 60 AMP DISCONNECT SWITCH TO SIDE OF CABINET. INSTALL 2 - 4 IN. AND 2 - 3 IN. CONDUIT BENDS.
J. INSTALL VIDEO VEHICLE DETECTION SYSTEM ON LIGHTING ARM.
K. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH TWO PEDESTRIAN SIGNAL HEADS, PUSH BUTTON AND PUSH BUTTON SIGN.
L. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD.
M. INSTALL 1 IN. ELECTICAL CONDUIT-GALVANIZED SLEEVE (ONE FOR EACH LOOP).
N. INSTALL 12 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC REFLECTIVE PAVEMENT MARKING MATERIAL 10 FT. APART WITH 45 DEGREE HATCHING AT 2 FT. SPACING (CROSSWALK).
O. INSTALL 24 IN. HEAT APPLIED WHITE PERMANANT PREFORMED THERMOPLASTIC REFLECTIVE PAVEMENT MARKING MATERIAL (STOP LINE).
P. REMOVE EXISTING CONTROLLER, STRAIN POLES, SIGNALS, SIGN, SPAN WIRE, ETC.
Q. INSTALL 12 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC REFLECTIVE PAVEMENT MARKING MATERIAL (CROSSWALK).
R. INSTALLED DURING PHASE 1. SEE DWG. NO. TP-05.
S. SEE INTERCONNECT PLAN (DWG. NO. IP-04).
T. EXISTING HANDHOLE TO REMAIN.

WHITNEY BAILEY COX MAGNANI
CONSULTING ENGINEERS
849 FAIRMOUNT AVENUE
SUITE 100
BALTIMORE, MD 21286
(410) 512-4500

REVISIONS

Ⓒ SIGNAL RECONSTRUCTED DUE TO ALIGNMENT CHANGE 9/03 WBCM M08675170

Ⓓ REPLACE ADVANCE W/B 198 LOOP DETECTORS 6/92 SHA NO. M-679-501-376

Ⓒ I-3-88 RECONSTRUCT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS M-519-501-383

Ⓑ REVISED SIGNAL AND POLE LOCATIONS M-469-501 385

APPROVALS

ORIGINAL
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

NOTED
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

ON FILE
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 198 AT OLD COLUMBIA PIKE

DWG. NO. SP-03

DRAWN BY:	J.E.H./M.E.V.	F.A.P. NO.	AC-NH-G-109-I(45)N	TS NO.	SHEET NO.
CHECKED BY:	J.W.H.	S.H.A. NO.	M08675170	175E	4 OF 20
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO.	
DATE:	SEPTEMBER 2003	LOG MILE:	15002\10.69	E856	

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