EXISTING SIGNS

13,16,19 — ONLY — R 3-5(R) 30" x 36"

12b — Eagle Ridge CT — 12a — Eagle Ridge CT — D3-(1) Var. x 16" (Dual Faced)

15b — Brodbeck RD — 15a — Brodbeck RD — D3-(1) Var. x 16" (Dual Faced)

17 — SOUTH 30 NORTH — M95-1 72" x 24"

18 — NORTH 30 SOUTH — M95-1 72" x 24"

EXISTING SIGNS TO BE REMOVED

11,14 — LEFT TURN YIELD ON GREEN — R 10-12 36" x 42"

MD 30 is considered to run in a north/south direction.

PROPOSED SIGNALS

1,4 — 12"/8"; 2,5 — 12"; 3,6-10 — 12"

a,b,c,d — PROPOSED VIDEO DETECTION

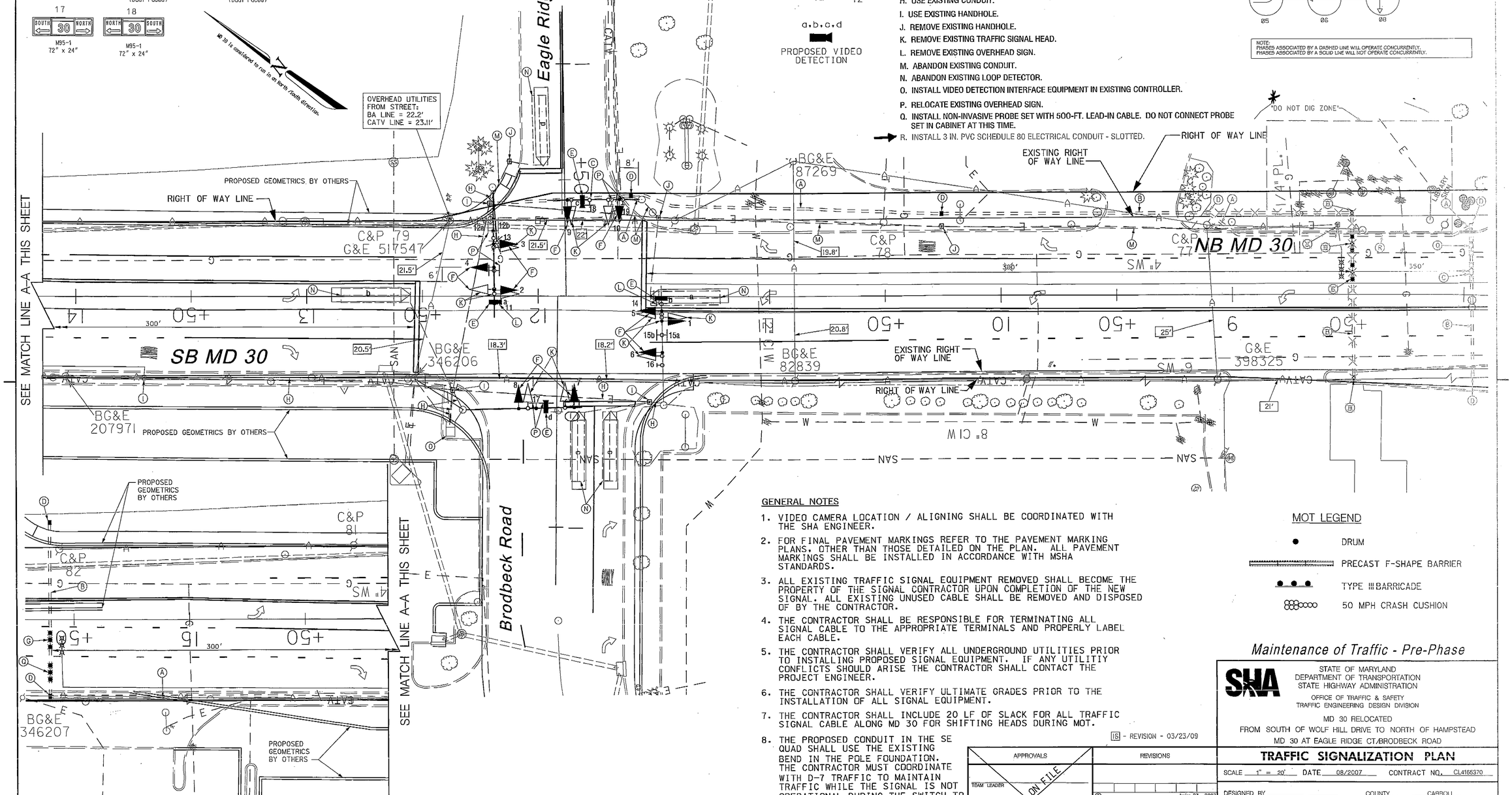
CONSTRUCTION DETAILS

A. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
B. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
C. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
D. INSTALL HANDHOLE.
E. INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM.
F. INSTALL BLACK-FACED, LED TRAFFIC SIGNAL HEAD ON EXISTING MAST ARM.
G. INSTALL NON-INVASIVE PROBE SET WITH 500-FT. LEAD-IN CABLE.
H. USE EXISTING CONDUIT.
I. USE EXISTING HANDHOLE.
J. REMOVE EXISTING HANDHOLE.
K. REMOVE EXISTING TRAFFIC SIGNAL HEAD.
L. REMOVE EXISTING OVERHEAD SIGN.
M. ABANDON EXISTING CONDUIT.
N. ABANDON EXISTING LOOP DETECTOR.
O. INSTALL VIDEO DETECTION INTERFACE EQUIPMENT IN EXISTING CONTROLLER.
P. RELOCATE EXISTING OVERHEAD SIGN.
Q. INSTALL NON-INVASIVE PROBE SET WITH 500-FT. LEAD-IN CABLE. DO NOT CONNECT PROBE SET IN CABINET AT THIS TIME.
R. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

EXISTING NEMA PHASING

Ø1 Ø2 Ø4 Ø5 Ø6 Ø8 — FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL. ALL EXISTING UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
7. THE CONTRACTOR SHALL INCLUDE 20 LF OF SLACK FOR ALL TRAFFIC SIGNAL CABLE ALONG MD 30 FOR SHIFTING HEADS DURING MOT.
8. THE PROPOSED CONDUIT IN THE SE QUAD SHALL USE THE EXISTING BEND IN THE POLE FOUNDATION. THE CONTRACTOR MUST COORDINATE WITH D-7 TRAFFIC TO MAINTAIN TRAFFIC WHILE THE SIGNAL IS NOT OPERATIONAL DURING THE SWITCH TO THE NEW CABLES/SIGNAL HEADS.
9. THE PROPOSED 500-FT. LEAD-IN CABLES FOR THE NON-INVASIVE PROBES ALONG SB MD 30 SHALL NOT BE CUT/REDUCED IN LENGTH.

MOT LEGEND

- DRUM
- PRECAST F-SHAPE BARRIER
- TYPE III BARRICADE
- 50 MPH CRASH CUSHION

Maintenance of Traffic - Pre-Phase

16 - REVISION - 03/23/09

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

UTILITY LEGEND

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

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

REVISIONS
16 July 23, 2007 Modification due to MD 30 Relocated (Hampstead Bypass) S.H.A. No.:CL4165370 DSU
September 25, 2009 AS-BUILT S.H.A. No.:BW995M82 FJH

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

MD 30 RELOCATED
FROM SOUTH OF WOLF HILL DRIVE TO NORTH OF HAMPSTEAD
MD 30 AT EAGLE RIDGE CT./BRODBECK ROAD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 08/2007 CONTRACT NO. CL4165370

DESIGNED BY
DRAWN BY Frank Hoeckel
CHECKED BY
F.A.P. NO. ACHP-2921(001)N,AC-NH-107-1(9)N
COUNTY CARROLL
LOGMILE 06003000.70-063004.30
T.M.S. NO. F407
TOD NO.

TS NO. 3989B | DRAWING SG-13 OF 19 | SHEET NO. 25 OF 82

ISSUED FOR CONSTRUCTION 8/30/07 - SUBMITTAL #20

PLOTTED: Tuesday, March 24, 2009 AT 08:35 AM
FILE: p:\2005\05053900\Drawings\08-Traffic\Dwgs & Maps\Submittal 16\p8G-P008_mc30-s20 Greenline Revision.dgn

BY: jholloway