MD 351 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

EXISTING SIGNS TO REMAIN

24 RIGHT LANE MUST TURN RIGHT | 28 ONLY | 29 | 34 | 35.38 NO TURN ON RED | 40

EXISTING SIGNS TO BE REMOVED

80.81 LEFT TURN YIELD ON GREEN | 82 | 83 ONLY

23a.25b Crestwood BLVD (6600) | 23b.25a Crestwood BLVD (6600)

30a.30b Ballenger Cr PIKE (5800) | 36b.36a Ballenger Cr PIKE (5800)

41.42 43.44 | 45.46 47.48

EXISTING SIGNS TO BE RELOCATED

31 R5-2 (30"x30")

EXISTING EQUIPMENT

1.4 12"/8" | 2.5 12" | 3.6.9 12" | 7.10 8"/12" | 8.12 12"

13 12" | 15-22 12"

a.b.c.d VIDEO DETECTION

PROPOSED SIGNS

27 R4-7 (24"x30") | 33 RIGHT TWO LANES MUST TURN RIGHT R3-7R MODIFIED (30"x30")

37.39 ONLY R3-5(R) (30"x36") | 26 OM-1(1) (18"x18")

PROPOSED SIGNAL

11 8"/12" | 14 12"

32 ONLY ONLY R3-8 MOD. (48"x30")

NEMA PHASING

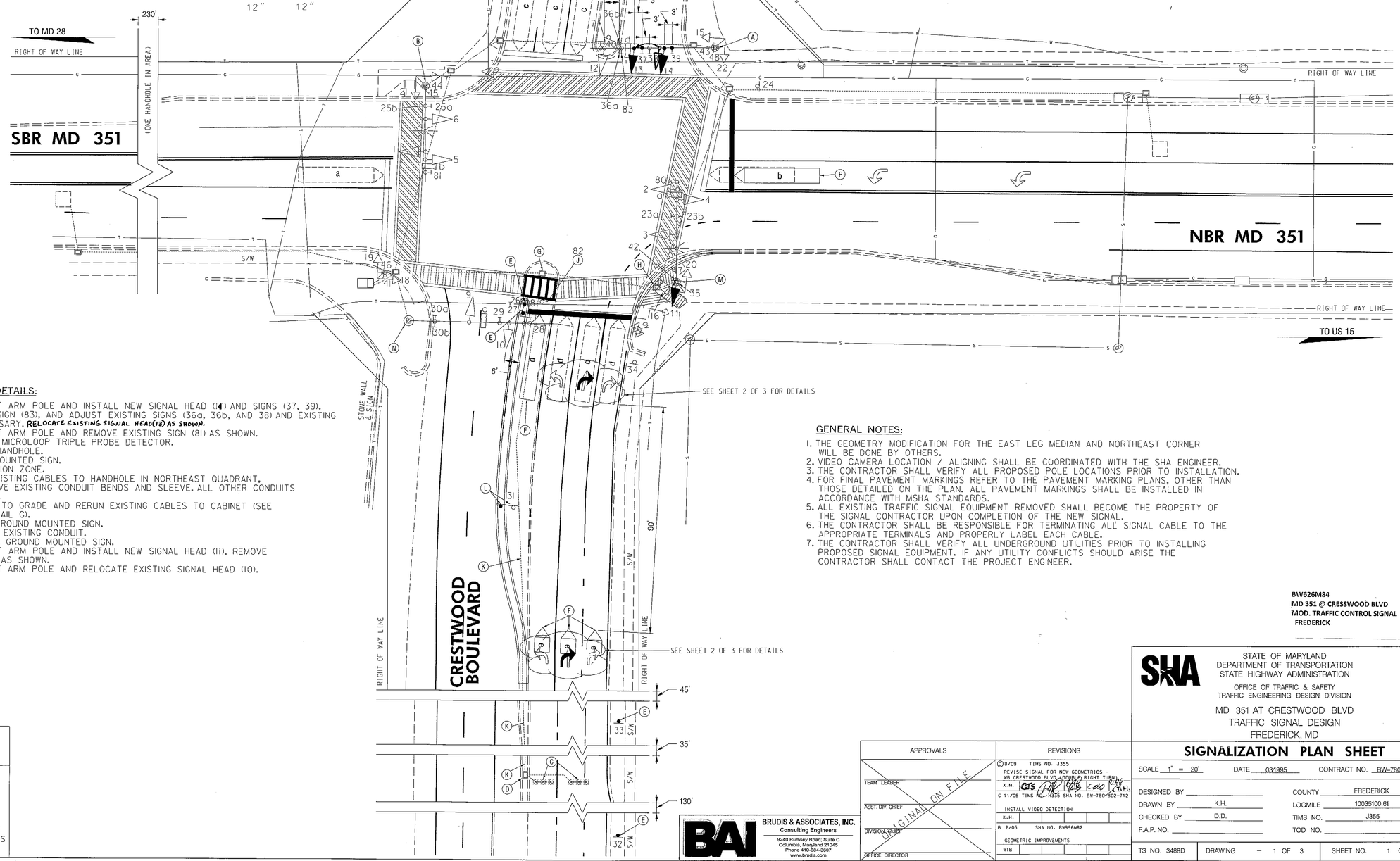
Ø1 Ø2 Ø3 Ø4 Ø2 ALT Ø3 ALT Ø4 ALT

Ø5 Ø6 Ø6 ALT

FLASHING OPERATION

NOTES:

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



CONSTRUCTION DETAILS:

A. USE EXISTING MAST ARM POLE AND INSTALL NEW SIGNAL HEAD (14) AND SIGNS (37, 39), REMOVE EXISTING SIGN (83), AND ADJUST EXISTING SIGNS (36a, 36b, AND 38) AND EXISTING CAMERA AS NECESSARY. RELOCATE EXISTING SIGNAL HEAD(13) AS SHOWN.
B. USE EXISTING MAST ARM POLE AND REMOVE EXISTING SIGN (81) AS SHOWN.
C. ABANDON EXISTING MICROLOOP TRIPLE PROBE DETECTOR.
D. REMOVE EXISTING HANDHOLE.
E. INSTALL GROUND MOUNTED SIGN.
F. NEW VIDEO DETECTION ZONE.
G. PULL BACK ALL EXISTING CABLES TO HANDHOLE IN NORTHEAST QUADRANT, EXPOSE AND REMOVE EXISTING CONDUIT BENDS AND SLEEVE. ALL OTHER CONDUITS TO BE ABANDONED.
H. ADJUST HANDHOLE TO GRADE AND RERUN EXISTING CABLES TO CABINET (SEE CONSTRUCTION DETAIL G).
J. REMOVE EXISTING GROUND MOUNTED SIGN.
K. CAP AND ABANDON EXISTING CONDUIT.
L. RELOCATE EXISTING GROUND MOUNTED SIGN.
M. USE EXISTING MAST ARM POLE AND INSTALL NEW SIGNAL HEAD (11), REMOVE EXISTING SIGN (80) AS SHOWN.
N. USE EXISTING MAST ARM POLE AND RELOCATE EXISTING SIGNAL HEAD (10).

GENERAL NOTES:

1. THE GEOMETRY MODIFICATION FOR THE EAST LEG MEDIAN AND NORTHEAST CORNER WILL BE DONE BY OTHERS.
2. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
3. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
4. 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.
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. 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.

BW626M84
MD 351 @ CRESSWOOD BLVD
MOD. TRAFFIC CONTROL SIGNAL
FREDERICK

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

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

BY: xiaoyu

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APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

D 8/09 TIMS NO. J355
REVISE SIGNAL FOR NEW GEOMETRICS - WB CRESTWOOD BLVD (DOUBLE RIGHT TURN)
X.H. | | | | |
C 11/05 TIMS NO. J355 SHA NO. BW-780-802-712
INSTALL VIDEO DETECTION
K.H. | | | | |
B 2/05 SHA NO. BW996M82
GEOMETRIC IMPROVEMENTS
WTB | | | | |

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

MD 351 AT CRESTWOOD BLVD
TRAFFIC SIGNAL DESIGN
FREDERICK, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' | DATE 031995 | CONTRACT NO. BW-780-802-712

DESIGNED BY | COUNTY FREDERICK
DRAWN BY K.H. | LOGMILE 10035100.61
CHECKED BY D.D. | TIMS NO. J355
F.A.P. NO. | TOD NO.

TS NO. 3488D | DRAWING – 1 OF 3 | SHEET NO. 1 OF 3

PLOTTED: Wednesday, October 28, 2009 AT 11:52 AM
FILE: p:\07-006 frederick-traffic\md 351 @ crestwood dir\drawings\cadd\working\pSG-P001_MD351@CrestwoodBlvd.dgn