LINE HEIGHTS LH1
GUY WIRE 36'-0"
GUY WIRE 43'-0"

LINE HEIGHTS LH2
GUY WIRE 30'-5"
SECONDARY 35'-0"
PRIMARY +45'-0"

MD 715 IS ASSUMED TO OPERATE IN A NORTH - SOUTH DIRECTION

NOTE:
ONE PROPOSED ELECTRICAL HAND HOLE LOCATED IN BREAK

NOTE:
THE CONTRACTOR SHALL VERIFY AERIAL HEIGHTS PRIOR TO INSTALLATION OF THE SIGNAL STRUCTURES TO ENSURE THERE ARE NO UTILITY CONFLICTS.

PROPOSED SIGNS

7,8 — ← Cirelli CT — D-3(1) (VAR.x16")

9,10 — Cirelli CT → — D-3(1) (VAR.x16")

11 — Short LN NORTH ← 715 → SOUTH — M1-5(4) (78"x36")

12,13 — NEW — W16-14(1) (24"x24") W3-3 (36"x36") INSTALL ON TWO 4"x6" WOOD POST

NOTE:
THESE SIGNS ARE TO BE REMOVED 90 DAYS AFTER SIGNAL IS TURNED ON.

PROPOSED LED SIGNALS

1-6 — R Y G — 12"

PROPOSED VIDEO DETECTION

VIDEO DETECTION ZONES

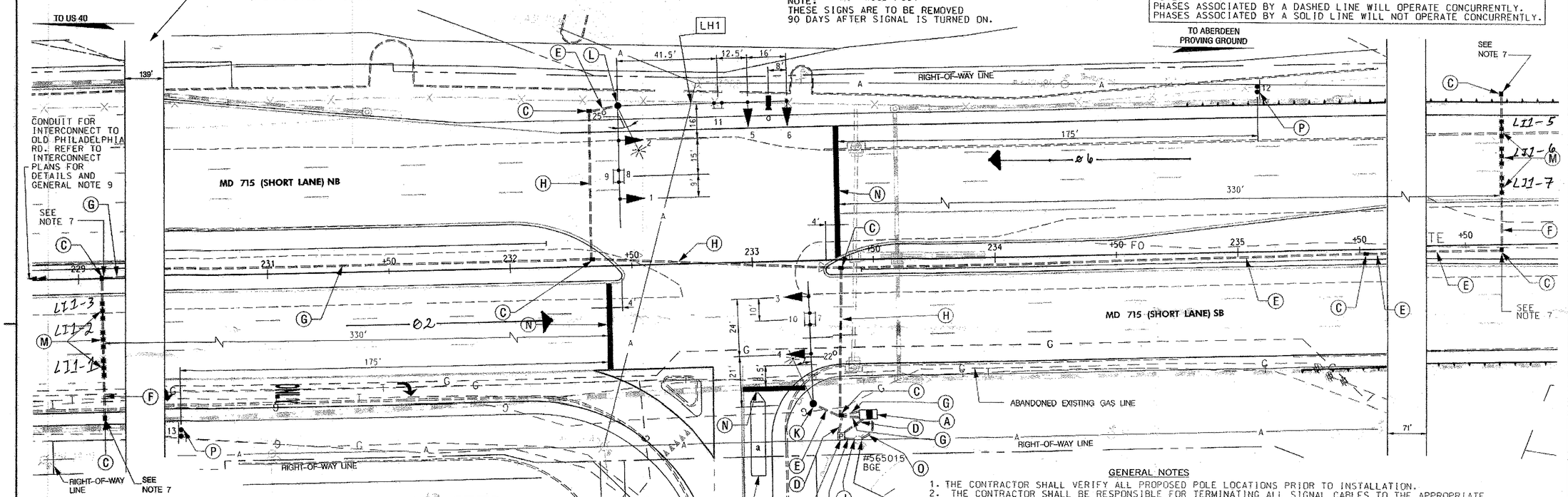
a — PROPOSED 6'X30' VIDEO DETECTOR LOOP

NEMA PHASING

02 04 06

FLASHING OPERATION

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



CONSTRUCTION DETAILS

(A) INSTALL NEMA SIZE "S" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. (INSTALL 2-2" AND 2-4" SCHEDULE 80 90 DEGREE PVC ELEC. CONDUIT BENDS IN CABINET. STA.233+45, 64' RT.
(B) INSTALL 100A SERVICE PEDESTAL WITH 1-4". AND 2-2" SCHEDULE 80 CONDUIT BENDS. STA. 233+35, 72' RT.
(C) INSTALL ELECTRICAL HAND HOLE.
(D) INSTALL 2 INCH SCHEDULE 80 PVC CONDUIT - TRENCHED.
(E) INSTALL 3 INCH SCHEDULE 80 PVC CONDUIT - TRENCHED.
(F) INSTALL 3 INCH SCHEDULE 80 PVC CONDUIT - BORED.
(G) INSTALL 4 INCH SCHEDULE 80 PVC CONDUIT - TRENCHED.
(H) INSTALL 4 INCH SCHEDULE 80 PVC CONDUIT - BORED.
(I) VIDEO DETECTION ZONE
(J) INSTALL 4 INCH STUB, 1 FOOT OUT FROM BASE OF POWER POLE FOR POWER FEED.
(K) INSTALL CONCRETE FOUNDATION WITH A 27 FT STEEL POLE WITH 50 FT MAST ARM, LED SIGNAL HEADS, SIGNS, 20 FT LIGHTING ARM WITH 250 WATT HPS LAMP AND LUMINAIRE. (NOTE: 2 - 3 IN. PVC 90 DEGREE CONDUIT BEND). STA. 233+24, 59'RT.
(L) INSTALL CONCRETE FOUNDATION WITH 27 FT STEEL POLE WITH TWIN 50 FT MAST ARM AND 70 FT MAST ARM, LED SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA MOUNTED ON THE MAST ARM, 20 FT LIGHTING ARM WITH 250 WATT HPS LAMP AND LUMINAIRE. (NOTE: 2 - 3 IN. PVC 90 DEGREE CONDUIT BEND) STA. 232+46, 64' LT.
(M) INSTALL ONE SET OF THREE NON INVASIVE MICRO PROBE SET, CENTERED IN LANES, WITH 1,000 FT LEAD IN CABLE.
(N) INSTALL 24 INCH PAVEMENT MARKING WHITE PREFORMED THERMOPLASTIC (STOP LINE).
(O) INSTALL 2 INCH SCHEDULE 80 PVC CONDUIT - TRENCHED FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE "FOR USE BY OTHERS"
(P) INSTALL GROUND MOUNT SIGN ON 2-4" x 6" WOOD SIGN SUPPORTS (NOTE SIGN(S) TO BE REMOVED 90 DAYS AFTER SIGNAL IS OPERATIONAL).

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
3. ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
4. UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED.
5. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED TO THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03. MD 816.01. MD 818-02. MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
6. SEE FINAL SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL SIGNS NOT SHOWN ON THIS SHEET.
7. THESE PROPOSED HAND HOLES ARE TO BE PLACED 90 DEGREES TO THE ROADWAY.
8. THIS SIGNAL WILL BE CONSTRUCTED DURING MOT STAGE 4 AND FULLY OPERATIONAL AT THE END OF STAGE 4.
9. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF CONDUIT FROM THE PROPOSED HANDHOLE FOR THE PROBE LOCATIONS FOR NORTHBOUND MD 715/OLD PHILADELPHIA RD. AND THE HANDHOLE FOR THE SOUTHBOUND MD 715 PROBE LOCATION SHOWN ON THIS PLAN.

50 40 30 20 10 0 50

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

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

BY: munz

American Infrastructure

JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future®
72 Loveton Circle Baltimore, Maryland 21152-0948

APPROVALS	
TEAM LEADER	5/18/2012
ASST. DIV. CHIEF	5/30/12
DIVISION CHIEF	5/30/12
OFFICE DIRECTOR	5/31

REVISIONS

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

MD 715 (SHORT LANE) AT CIRELLI COURT
ABERDEEN, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE	1" = 20'	DATE MAY 8, 2012	CONTRACT NO. HA2706171
DESIGNED BY	CGM	COUNTY	HARFORD
DRAWN BY	CGM	LOGMILE	120715.00.65
CHECKED BY	GAB	TIMS NO.	K307
FAP NO.	SEE TITLE SHEET	TOD NO.	
TS NO. 4818	SG - 17 OF 22	SHEET NO.	18 OF 23

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