MD 665 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS

19,27 — LEFT TURN SIGNAL — R10-10L 18" x 24"

21 — LEFT TURN SIGNAL — R10-10L 24" x 36"

18,20 — Aris T. Allen Blvd — R 3-5(R) 30" x 36"

23 — R 3-1(L) 24" x 24"

22,24 — ONLY — R 3-5(L) 30" x 36"

25 — ONLY ONLY — R 3-5(L + R) 30" x 36" Changeable Message Sign

26 — ONLY — R 3-5(R) 30" x 36"

28 — RIGHT TURN SIGNAL — R10-10L 18" x 24"

EXISTING SIGNALS

1,2,5,6,14: IR, IY, IG — 12"

3,4,7,8,9,10, 11,12,13,16,17: R, Y, G — 12"

15: RI, YI, GI — 12"

a,b,c,d, e,f,g — EXISTING VIDEO DETECTION

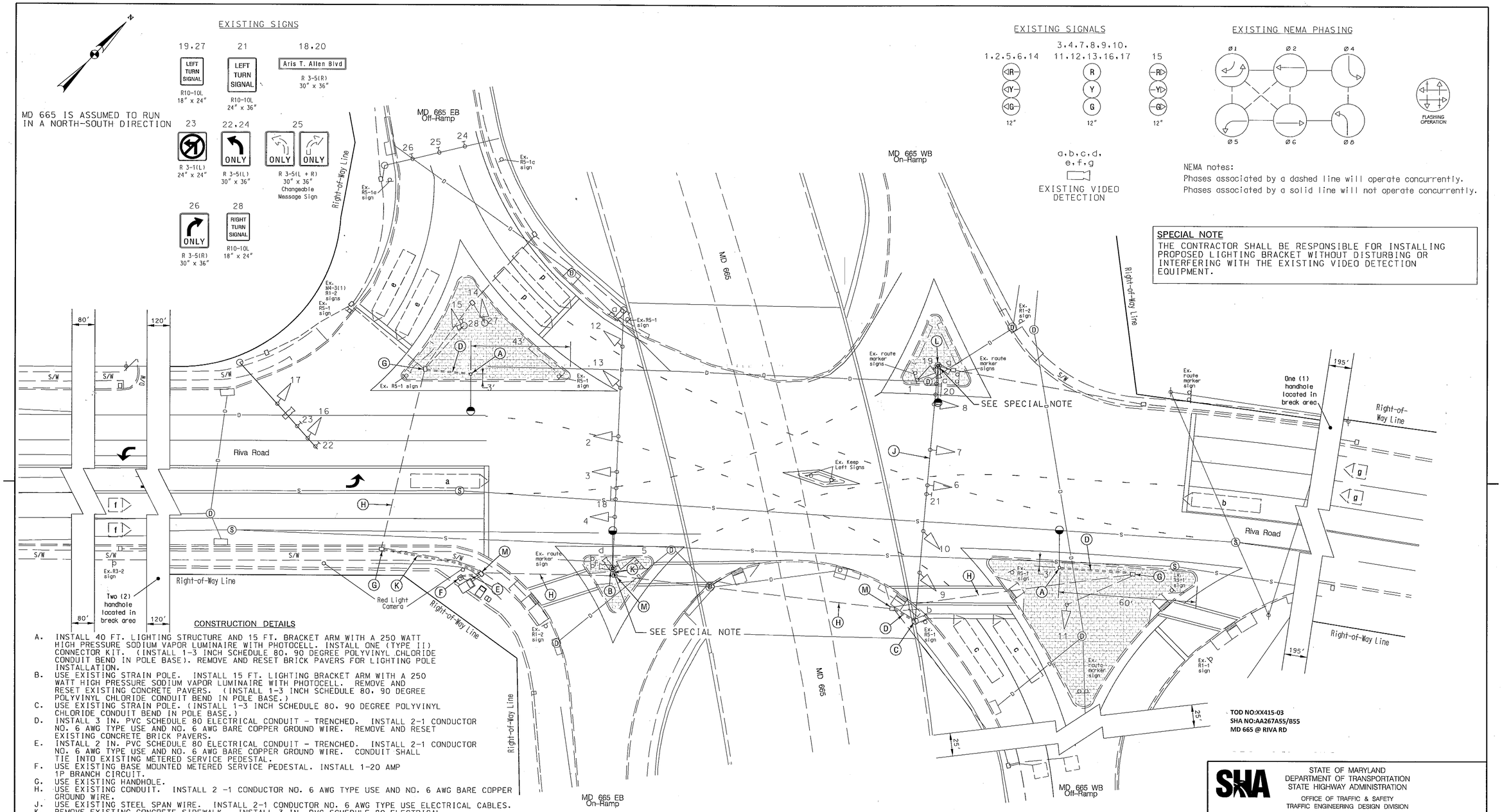
EXISTING NEMA PHASING

Ø1 Ø2 Ø4 Ø5 Ø6 Ø8

FLASHING OPERATION

NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.

SPECIAL NOTE
THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING PROPOSED LIGHTING BRACKET WITHOUT DISTURBING OR INTERFERING WITH THE EXISTING VIDEO DETECTION EQUIPMENT.



CONSTRUCTION DETAILS

A. INSTALL 40 FT. LIGHTING STRUCTURE AND 15 FT. BRACKET ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE WITH PHOTOCELL. INSTALL ONE (TYPE II) CONNECTOR KIT. (INSTALL 1-3 INCH SCHEDULE 80. 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE). REMOVE AND RESET BRICK PAVERS FOR LIGHTING POLE INSTALLATION.
B. USE EXISTING STRAIN POLE. INSTALL 15 FT. LIGHTING BRACKET ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE WITH PHOTOCELL. REMOVE AND RESET EXISTING CONCRETE PAVERS. (INSTALL 1-3 INCH SCHEDULE 80. 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE.)
C. USE EXISTING STRAIN POLE. (INSTALL 1-3 INCH SCHEDULE 80. 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE.)
D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. INSTALL 2-1 CONDUCTOR NO. 6 AWG TYPE USE AND NO. 6 AWG BARE COPPER GROUND WIRE. REMOVE AND RESET EXISTING CONCRETE BRICK PAVERS.
E. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. INSTALL 2-1 CONDUCTOR NO. 6 AWG TYPE USE AND NO. 6 AWG BARE COPPER GROUND WIRE. CONDUIT SHALL TIE INTO EXISTING METERED SERVICE PEDESTAL.
F. USE EXISTING BASE MOUNTED METERED SERVICE PEDESTAL. INSTALL 1-20 AMP 1P BRANCH CIRCUIT.
G. USE EXISTING HANDHOLE.
H. USE EXISTING CONDUIT. INSTALL 2 -1 CONDUCTOR NO. 6 AWG TYPE USE AND NO. 6 AWG BARE COPPER GROUND WIRE.
J. USE EXISTING STEEL SPAN WIRE. INSTALL 2-1 CONDUCTOR NO. 6 AWG TYPE USE ELECTRICAL CABLES.
K. REMOVE EXISTING CONCRETE SIDEWALK. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED WITH 2-1 CONDUCTOR NO. 6 AWG TYPE USE AND NO. 6 BARE COPPER GROUND WIRE. INSTALL 5 IN. CONCRETE SIDEWALK.
L. USE EXISTING STEEL STRAIN POLE. INSTALL 15 FT. LIGHTING BRACKET ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE WITH PHOTOCELL.
M. USE EXISTING HANDHOLE. INSTALL TWO (TYPE IV) CONNECTOR KITS.

GENERAL NOTES

1. ALL LIGHTING FOUNDATIONS SHALL BE INSTALLED AT 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 818.01, MD 818.02, MD 818.04.
2. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED LIGHTING EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
3. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
4. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL LIGHTING CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

TOD NO:XX415-03
SHA NO:AA267A55/B55
MD 665 @ RIVA RD

WR&A
WHITMAN, REQUARDT & ASSOCIATES, LLP
801 South Caroline Street, Baltimore, Maryland 21231

BY: bdonoway

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

REVISIONS
(E) Add Intersection Lighting
SHA No. XX4155185 3/1/2009
BRD NML
(D) Install Video Detection Equip. Due to Geo. Changes and Mill and Overlay
SHA No.: BW996M82 10/03/06
FDB | JAH | MAR | WH | TH
(C) Signalize SB MD 665 Ramp Right Turn Movement
SHA No. :BW996M82 02/08/05
TMZ | SMH | | MAR | WH | TH

PLOTTED: 03-15-2009
FILE: n:\31556-183\cadd\pLT-P002_md665.dgn

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 665 at Riva Road
Annapolis, MD

SIGNAL LIGHTING PLAN

SCALE 1" = 20' ADVERTISED DATE 8/28/2009 CONTRACT NO. XX4155185

DESIGNED BY
DRAWN BY JSL
CHECKED BY JWH
F.A.P. NO. SEE TITLE SHEET
COUNTY Anne Arundel
LOGMILE 02066500.93
TIMS NO. J882
TOD NO. <TOD NO>

TS NO. 2249-E | DRAWING TSP - 1 OF 2 | SHEET NO. 1 OF 2