EXISTING SIGNS TO REMAIN

MD 100 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

37,38 — Oakwood RD — D-3(1) VAR.x16"

39 — ONLY — R3-5R 30"x36"

32,33,34 — ONLY — R3-5L 30"x36"

35 — R3-6L 30"x36"

36 — NO TURN ON RED — R10-11b 30"x36"

PROPOSED LED SIGNALS

3 — 12"/8"

4 — 12"

5,6,7,16,19 — 12"

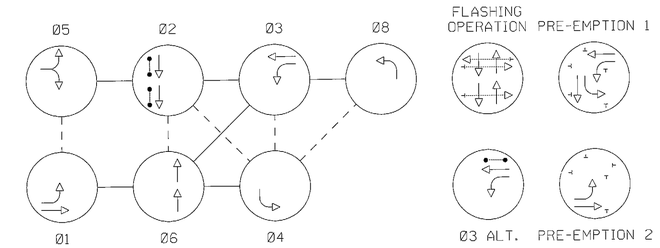
14,17 — 8"/12"

15,18 — 12"

20,21,22,23 — 16"

NOTE: TRAFFIC SIGNAL HEAD NUMBERING IS COMBINED WITH MD 100 EASTBOUND RAMPS AT OAKWOOD RD

NEMA PHASING



NOTES:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
OVERLAP A: PHASES 2 AND 4
OVERLAP B: PHASES 6 AND 8
TRAFFIC SIGNAL CONTROLLER AT MD 100 EB RAMPS AT OAKWOOD RD CONTROLS MD 100 WB RAMPS AT OAKWOOD RD AND MD 100 EB RAMPS AT OAKWOOD RD

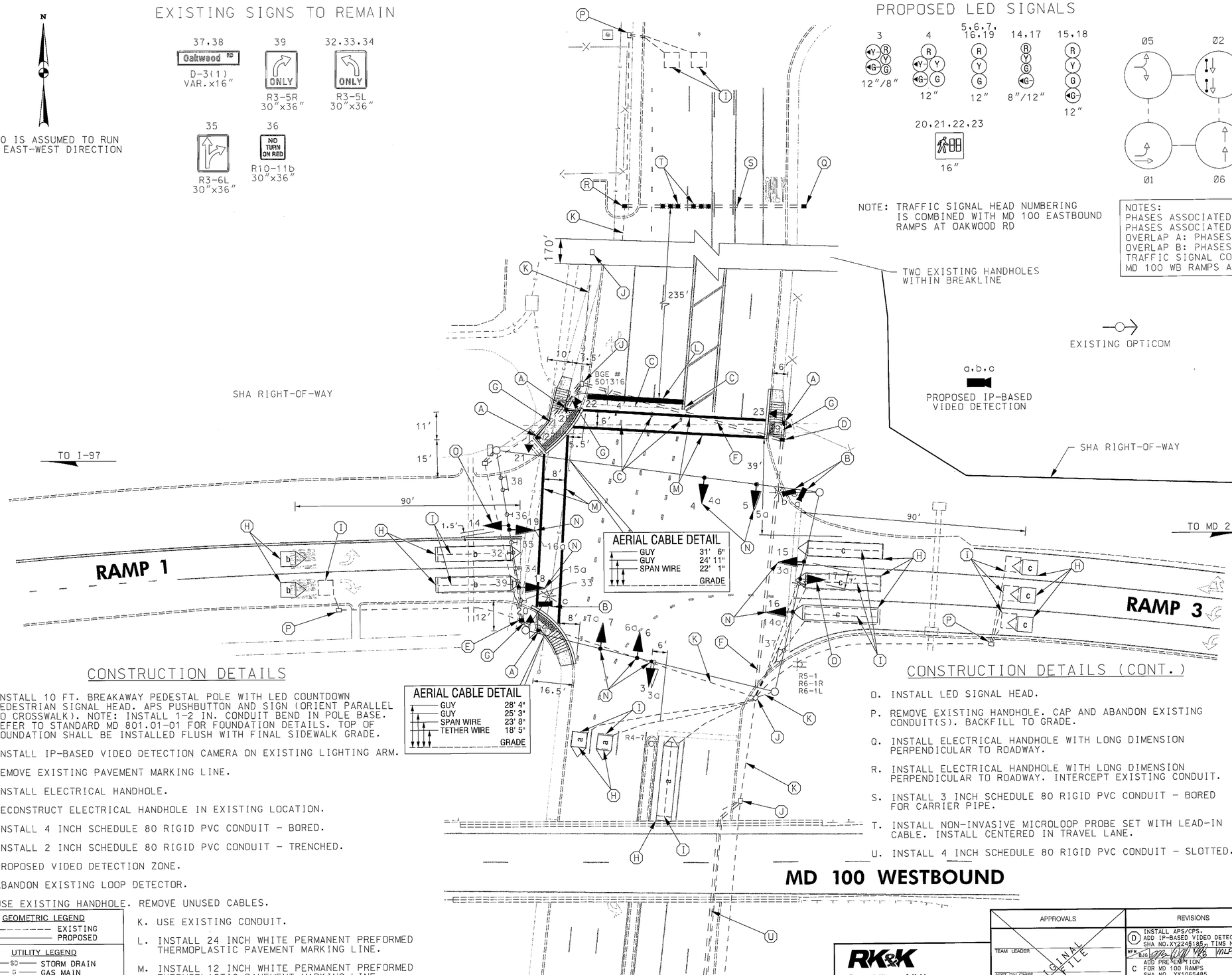
EXISTING SIGNALS TO BE REMOVED

3a — 12"/8"

4a — 12"

5a,6a,7a,14a,16a — 12"

13a,15a — 12"



PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS

26 — RAMP R10-3(1) 9"x15"

27 — RAMP R10-3(1) 9"x15"

28 — OAKWOOD RD R10-3(1) 9"x15"

29 — OAKWOOD RD R10-3(1) 9"x15"

CONSTRUCTION DETAILS

A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD. APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE.

B. INSTALL IP-BASED VIDEO DETECTION CAMERA ON EXISTING LIGHTING ARM.

C. REMOVE EXISTING PAVEMENT MARKING LINE.

D. INSTALL ELECTRICAL HANDHOLE.

E. RECONSTRUCT ELECTRICAL HANDHOLE IN EXISTING LOCATION.

F. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED.

G. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

H. PROPOSED VIDEO DETECTION ZONE.

I. ABANDON EXISTING LOOP DETECTOR.

J. USE EXISTING HANDHOLE. REMOVE UNUSED CABLES.

K. USE EXISTING CONDUIT.

L. INSTALL 24 INCH WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

M. INSTALL 12 INCH WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

N. REMOVE EXISTING SIGNAL HEAD. INSTALL LED SIGNAL HEAD WITHIN 12 INCHES OF EXISTING LOCATION UNLESS NEW DIMENSION IS GIVEN. USE EXISTING WIRING.

CONSTRUCTION DETAILS (CONT.)

O. INSTALL LED SIGNAL HEAD.

P. REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUIT(S). BACKFILL TO GRADE.

Q. INSTALL ELECTRICAL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY.

R. INSTALL ELECTRICAL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY. INTERCEPT EXISTING CONDUIT.

S. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED FOR CARRIER PIPE.

T. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH LEAD-IN CABLE. INSTALL CENTERED IN TRAVEL LANE.

U. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.

MATCHLINE - SHEET SP-2 (MD 100 EB RAMPS AT OAKWOOD RD)

GEOMETRIC LEGEND
- EXISTING
- PROPOSED

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

BY: BJG

RK&K
Rummel, Klepper & Kahl, LLP
81 MOSHER STREET | BALTIMORE, MD 21217
PH: (410) 728-2900 FAX: (410) 728-3160
Engineers Construction Managers Planners Scientists
www.rkk.com

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

REVISIONS
D — INSTALL APS/CPS. 08-2012
ADD IP-BASED VIDEO DETECTION
SHA NO. XX2245185, TIMS NO. L318
MPK BJG MLP: CJW
C — ADD PREEMPTION 04-2004
FOR MD 100 RAMPS
SHA NO. XX1065485
DLA | WM | MAC | DEB | BRK
B — SPLIT SIDE STREET 10-29-1993
PHASING FOR RAMPS 1 AND 3
SHA NO. AA-512-501-576
ERS | DJD | DAZ | BRK | TH

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

MD 100 WESTBOUND RAMPS AT OAKWOOD RD
GLEN BURNIE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 10-25-1992 CONTRACT NO. AA-512-501-576

DESIGNED BY G.SIMMERS
DRAWN BY W.MALCOLM
CHECKED BY
FAP NO.
COUNTY ANNE ARUNDEL
LOGMILE 02010008.38
TIMS NO.
TOD NO.

TS NO. 3277D | DRAWING SP-1 OF 3 | SHEET NO. 1 OF 5

PLOTTED: Thursday, August 09, 2012 AT 10:30 AM
FILE: \\rkkn\v2008\2008\08148_tcddes\Task 117_MD 100 at Oakwood\CADD\pSG-0001_MD100@Oakwood.dgn