EXISTING SIGNS TO BE REMOVED

19,23

EXISTING SIGNS TO REMAIN

18,20,22,24 — Sheriff RD

28,29,32,33 — Martin L. King Jr. Hwy

37 WEST — 38 EAST — 30 ONLY — 27,31 — 39

EXISTING SIGNS TO BE MODIFIED

36 — W11-2 EXISTING SIGN — AHEAD — W16-9p (30" X 18")

35 — W11-2 (36" X 36") — W16-7p (L) (30" X 18")

34 — W11-2 (36" X 36") — W16-7p (R) (30" X 18")

PROPOSED SIGNS

21,26 — NO TURN ON RED — R10-11b (30"x30")

25 — ONLY — R3-5(R) (30"x36")

12b,13b,14b — 15b — 17b — 16b — PUSH BUTTON TO CROSS SHERIFF / PUSH BUTTON TO CROSS MARTIN L. KING JR — START CROSSING WATCH FOR TURNING CARS — DON'T START FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — SHERIFF IN BRAILLE TYPE 2 / MARTIN L KING JR IN BRAILLE TYPE 2

R10-3(1) 9" x 15" — R10-3(1) 9" x 15" — R10-3(1) 9" x 15" — R10-3(1) 9" x 15"

PROPOSED LED MODULES

1,2,4,5 — 12" — 3,6 — 12"

EXISTING SIGNALS TO BE REMOVED

8a,10a — 12a,13a,14a, 15a,16a,17a — 9a,11a

PROPOSED LED SIGNALS

7 — 12" — 12-17 — 12" — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

PROPOSED DETECTION CAMERA

a,b,c,d

VIDEO DETECTION ZONES

a,b,c,d

PROPOSED OPTICALLY PROGRAMMED SIGNALS

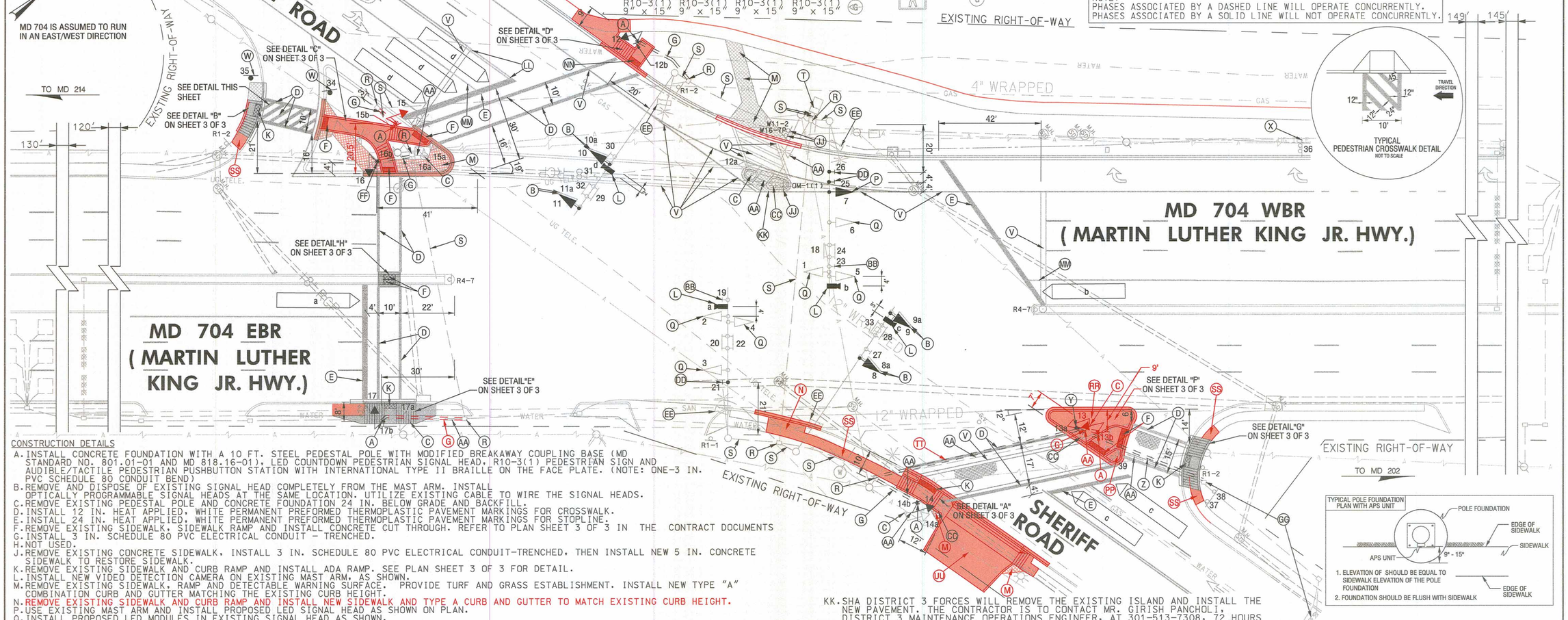
8,10 — 9,11 — 12" — OPTICALLY PROGRAMMED SIGNAL HEAD

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø3 ALT

FLASHING OPERATION

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



TYPICAL POLE FOUNDATION PLAN WITH APS UNIT

POLE FOUNDATION — EDGE OF SIDEWALK — SIDEWALK — APS UNIT — 9" - 15"

1. ELEVATION OF SHOULD BE EQUAL TO SIDEWALK ELEVATION OF THE POLE FOUNDATION
2. FOUNDATION SHOULD BE FLUSH WITH SIDEWALK

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY COUPLING BASE (MD STANDARD NO. 801.01-01 AND MD 818.16-01), LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) PEDESTRIAN SIGN AND AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON THE FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND)
B. REMOVE AND DISPOSE OF EXISTING SIGNAL HEAD COMPLETELY FROM THE MAST ARM. INSTALL OPTICALLY PROGRAMMABLE SIGNAL HEADS AT THE SAME LOCATION. UTILIZE EXISTING CABLE TO WIRE THE SIGNAL HEADS.
C. REMOVE EXISTING PEDESTAL POLE AND CONCRETE FOUNDATION 24 IN. BELOW GRADE AND BACKFILL.
D. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK.
E. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE.
F. REMOVE EXISTING SIDEWALK, SIDEWALK RAMP AND INSTALL CONCRETE CUT THROUGH. REFER TO PLAN SHEET 3 OF 3 IN THE CONTRACT DOCUMENTS
G. INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT – TRENCHED.
H. NOT USED.
J. REMOVE EXISTING CONCRETE SIDEWALK, INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT-TRENCHED, THEN INSTALL NEW 5 IN. CONCRETE SIDEWALK TO RESTORE SIDEWALK.
K. REMOVE EXISTING SIDEWALK AND CURB RAMP AND INSTALL ADA RAMP. SEE PLAN SHEET 3 OF 3 FOR DETAIL.
L. INSTALL NEW VIDEO DETECTION CAMERA ON EXISTING MAST ARM, AS SHOWN.
M. REMOVE EXISTING SIDEWALK, RAMP AND DETECTABLE WARNING SURFACE. PROVIDE TURF AND GRASS ESTABLISHMENT. INSTALL NEW TYPE "A" COMBINATION CURB AND GUTTER MATCHING THE EXISTING CURB HEIGHT.
N. REMOVE EXISTING SIDEWALK AND CURB RAMP AND INSTALL NEW SIDEWALK AND TYPE A CURB AND GUTTER TO MATCH EXISTING CURB HEIGHT.
P. USE EXISTING MAST ARM AND INSTALL PROPOSED LED SIGNAL HEAD AS SHOWN ON PLAN.
Q. INSTALL PROPOSED LED MODULES IN EXISTING SIGNAL HEAD AS SHOWN.
R. USE EXISTING HANDHOLE.
S. USE EXISTING CONDUIT.
T. USE EXISTING CONTROLLER AND CABINET AND INSTALL PROPOSED SIGNAL CABLES INSIDE OF CONTROLLER CABINET WITH LABELS AND TAGS AT CABLES ENDS AND TERMINATE. SHA FORCES SHALL MAKE FINAL CONNECTION TO SIGNAL CONTROLLER. INSTALL APS BASE UNIT IN EXISTING CABINET.
U. NOT USED.
V. REMOVE EXISTING PAVEMENT MARKING.
W. INSTALL WOOD POST 4 IN. X 6 IN. WITH W11-2 AND W16-7P PEDESTRIAN CROSSING SIGN ATTACHED TO THE POST.
X. USE EXISTING WOOD POST AND ATTACH W16-9P SIGN AS SHOWN ON PLAN.
Y. INSTALL HANDHOLE.
Z. INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT-BORED.
AA. CAP AND ABANDON EXISTING CONDUIT.
BB. REMOVE EXISTING SIGN R10-12 COMPLETELY FROM THE MAST ARM AND DISPOSE OF IT.
CC. REMOVE EXISTING HANDHOLE, COVER, FRAME, AND BACKFILL.
DD. USE EXISTING MAST ARM AND INSTALL SHEET ALUMINUM SIGN.
EE. REMOVE EXISTING VIDEO DETECTION CAMERA. REMOVE VIDEO DETECTION CABLE FROM CONDUIT, HANDHOLES, AND CABINET.
FF. INSTALL ALTERNATE PEDESTAL POLE CONCRETE FOUNDATION AT A DEPTH OF 3 FT. WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY COUPLING BASE (MD STANDARD NO. 801.01-01 AND MD 818.16-01), LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) PEDESTRIAN SIGN AND AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON THE FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND)
GG. DISCONNECT, PULL BACK EXISTING LOOP DETECTOR CABLE TO HANDHOLE SHOWN. COIL CABLE IN HANDHOLE WHILE PROPOSED CONDUIT RACEWAY IS CONSTRUCTED THEN RE-ROUTE CABLES TO EXISTING CABINET.
HH. REMOVE EXISTING SIGNAL HEAD.
JJ. REMOVE EXISTING SIGN AND WOOD POST.
KK. SHA DISTRICT 3 FORCES WILL REMOVE THE EXISTING ISLAND AND INSTALL THE NEW PAVEMENT. THE CONTRACTOR IS TO CONTACT MR. GIRISH PANCHOLI, DISTRICT 3 MAINTENANCE OPERATIONS ENGINEER, AT 301-513-7308, 72 HOURS IN ADVANCE OF TRAFFIC SIGNAL WORK TO COORDINATE THE REMOVAL OF THE EXISTING ISLAND AND REPLACEMENT OF THE PAVEMENT (SEE SHT. 3).
LL. INSTALL 5 IN. DOUBLE YELLOW PAVEMENT MARKING FOR CENTERLINE.
MM. INSTALL 5 IN. SOLID WHITE LANE LINE PAVEMENT MARKING.
NN. INSTALL ADA RAMP AND SIDEWALK CONNECTION. SEE PLAN SHEET 3 OF 3 FOR DETAIL.
PP. MAINTAIN EXISTING SIGN DURING ISLAND RECONSTRUCTION.
RR. REPLACE EXISTING ISLAND WITH NEW ISLAND. SEE SHEET 3 OF 3 FOR DETAIL.
SS. REPLACE EXISTING CONCRETE SIDEWALK.
TT. INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT – SLOTTED.
UU. REPLACE EXISTING DRIVEWAY. SEE PLAN SHEET 3 OF 3 FOR DETAIL.

CONSTRUCTION LEGEND

ISLAND/ SIDEWALK REMOVAL — SIDEWALK CONSTRUCTION

GEOMETRIC LEGEND

EXISTING — PROPOSED

UTILITY LEGEND

STORM DRAIN — GAS MAIN — WATER MAIN — SEWER MAIN — ELECTRIC CABLES — AERIAL CABLES — TELEPHONE CABLES — FIBER-OPTIC

1 REDLINE NO. 1, MARCH 2013

20' 0 20' 40'

SCALE: 1" = 20'

SABRA, WANG & ASSOCIATES, INC.
7055 SAMUEL MORSE DRIVE
SUITE 100
COLUMBIA, MD 21046
(443) 741-3500
WWW.SABRA-WANG.COM

APPROVALS

ORIGINAL ON FILE

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

C	INSTALL APS/CPS,UPGRADE SIGNAL HEADS TO OPS AND LED SHA NO. XY2245185	05-2012 TIMS NO. J059
B	RECONSTRUCTION OF SIGNAL EQUIPMENT SHA NO. PG4005176	10-2002 TIMS NO. F465
A	REVISED SIDE STREET DETECTORS	09-26-1978

SWA JWA MAR BRK RWT

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

MD 704 (MARTIN LUTHER KING JR HWY) AT SHERIFF ROAD

LANDOVER, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' — DATE JUNE, 2012 — CONTRACT NO. P-408-001-385

DESIGNED BY R. TYSON — COUNTY PRINCE GEORGE'S
DRAWN BY J. SPENCE — LOGMILE 16070401.51
CHECKED BY — T.I.M.S. NO.
F.A.P. NO. — TOD NO.

TS NO. 96 C — DRAWING 1 OF 3 — SHEET NO. OF

PLOTTED: Monday, March 25, 2013 AT 11:48 AM
FILE: R:\2008\V3 SHA BCS 2008-05A_TEDD DESIGN_STV_JV__S&M\Task 50 MD 704 at Sheriff\Dwg\Redline No 1\pSG-P001_MD704.dgn

BY: agriffin –