MD 140 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO BE REMOVED

SIGNAL AHEAD / PREPARE TO STOP WHEN FLASHING — 120"X48" (1 EA.)

PUSH BUTTON TO CROSS REISTERSTOWN RD — 9"X12" (2 EA.)

EXISTING SIGNS TO REMAIN

30 — Stone Chapel Road — W2-2R FY 36"X36" D-3(2) FY 48"X24"

NORTH MARYLAND 140 — 24"X12" 30"X24" 21"X15" (1 EA.)

SOUTH MARYLAND 140 — 24"X12" 30"X24" 21"X15" (1 EA.)

ONLY — 30"X36" (1 EA.)

LEFT TURN YIELD ON GREEN — 24"X30" (2 EA.)

Mt. Wilson LN — 90"X16" (1 EA.)

Mt. Wilson LN — 90"X16" (1 EA.)

Grey Rock RD — 60"X12" (2 EA.)

PROPOSED SIGNS

25,27 — Reisterstown RD NORTH 140 SOUTH — M1-5(4) 78"x36"

23b — Mt. Wilson LN — D-3(1) 90"X16" (DUAL FACE)

23a — Mt. Wilson LN — D-3(1) 90"X16" (DUAL FACE)

26,28 — Reisterstown RD SOUTH 140 NORTH — M1-5(4) 78"x36"

29 — SIGNAL AHEAD / PREPARE TO STOP WHEN FLASHING — W3-3a(1) FY 120"X48"

24b — Grey Rock RD — D-3(1) WHITE/BLUE 90"X16" (DUAL FACE)

24a — Grey Rock RD — D-3(1) WHITE/BLUE 90"X16" (DUAL FACE)

EXISTING SIGNALS TO BE REMOVED

12" (6 EA.) — 12" (2 EA.) — 16" (4 EA.)

PROPOSED LED SIGNALS

1,6 — 12"/8" — 2,7 — 12" — 3,8,9,10, 11,12,13,14 — 12" — 15,16,17,18 — 16"

NEMA PHASING

Ø1 Ø2 Ø4 Ø5 Ø6 Ø8 Ø8 ALT. — FLASHING OPERATION

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

EXISTING LED SIGNALS TO REMAIN

4,5 — 12"

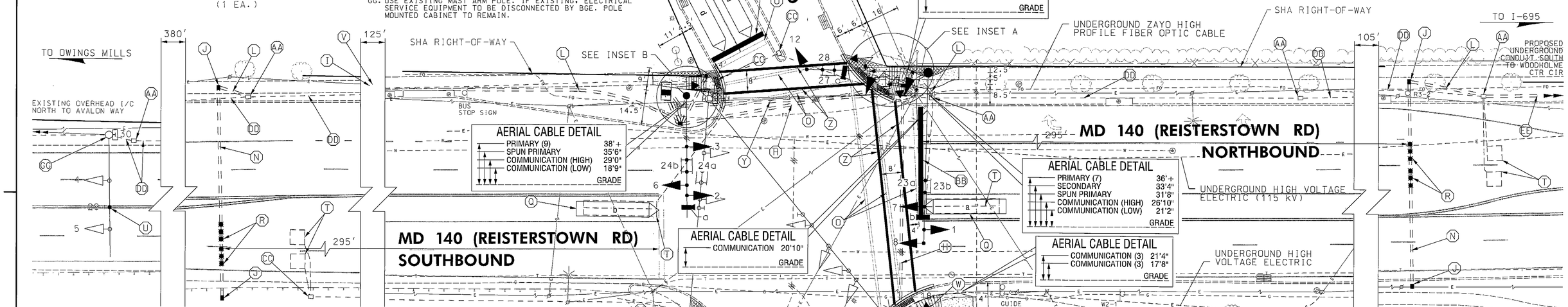
CONSTRUCTION DETAILS (CONT.)

DD. USE EXISTING CONDUIT.

EE. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED (SEE INTERCONNECT PLAN FOR DETAILS).

FF. REMOVE EXISTING PEDESTAL POLE AND ASSOCIATED EQUIPMENT AND SIGNS. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND MAKE FLUSH WITH FINAL GRADE. CAP AND ABANDON EXISTING CONDUIT.

GG. USE EXISTING MAST ARM POLE. IF EXISTING, ELECTRICAL SERVICE EQUIPMENT TO BE DISCONNECTED BY BGE. POLE MOUNTED CABINET TO REMAIN.



CONSTRUCTION DETAILS

A. INSTALL 27 FT. MAST ARM POLE, CUT TO 23 FT., WITH TWIN 70 FT. AND 50 FT. MAST ARMS, LED SIGNAL HEADS, IP-BASED VIDEO DETECTION CAMERAS AND SIGNS. FLANGE PLATE FOR THE 70 FT. MAST ARM SHALL BE MOUNTED AT 'T' DIMENSION = 18 FT. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.

B. INSTALL 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, 20 FT. LIGHTING ARM WITH LED LUMINAIRE, LED SIGNAL HEADS, IP-BASED VIDEO DETECTION CAMERAS AND SIGNS. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.

C. INSTALL 16.5 FT. SPECIAL 'T' MAST ARM POLE WITH 50 FT. CURVED MAST ARM, LED SIGNAL HEADS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, IP-BASED VIDEO DETECTION CAMERA AND SIGNS. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.

D. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH 2-WIRE APS CENTRAL CONTROL UNIT, IP-BASED VIDEO DETECTION EQUIPMENT AND UPS BATTERY BACKUP. NOTE: INSTALL 2-2 IN. AND 2-4 IN. CONDUIT BENDS IN BASE.

E. INSTALL 100 AMP EMBEDDED METERED SERVICE PEDESTAL. NOTE: INSTALL 1-4 IN. AND 3-2 IN. CONDUIT BENDS IN BASE.

F. REMOVE EXISTING STRAIN POLE AND ASSOCIATED EQUIPMENT AND SIGNS. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND MAKE FLUSH WITH FINAL GRADE. CAP AND ABANDON EXISTING CONDUIT FEEDS.

G. REMOVE EXISTING STRAIN POLE AND ASSOCIATED EQUIPMENT AND SIGNS. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND MAKE FLUSH WITH FINAL GRADE. CAP AND ABANDON EXISTING CONDUIT FEEDS. ELECTRICAL SERVICE EQUIPMENT TO BE DISCONNECTED BY UTILITY COMPANY.

H. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.

I. USE EXISTING HANDHOLE. ADJUST TO FINAL SIDEWALK GRADE. REPLACE FRAME AND COVER.

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

K. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

L. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

M. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

N. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED FOR CARRIER PIPE.

O. REMOVE EXISTING PAVEMENT MARKING LINE.

P. INSTALL ELECTRICAL HANDHOLE.

Q. PROPOSED VIDEO DETECTION ZONE.

R. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH LEAD-IN CABLE. CENTER IN TRAVEL LANE.

S. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS.

T. ABANDON EXISTING LOOP DETECTOR / MICROLOOP PROBE.

U. REMOVE EXISTING OVERHEAD SIGN. INSTALL SIGN.

V. DISCONNECT, PULLBACK AND REROUTE EXISTING INTERCONNECT CABLE.

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

X. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE.

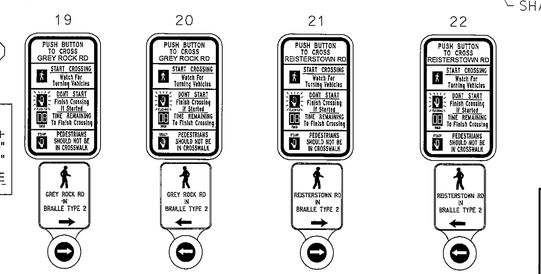
Y. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED. STUB AT UTILITY POLE NO. 243911 FOR POWER FEED.

Z. INSTALL 12 IN. WHITE PERMANENT PREFORMED REFLECTIVE THERMOPLASTIC PAVEMENT MARKING LINE.

AA. USE EXISTING HANDHOLE.

BB. INSTALL 24 IN. WHITE PERMANENT PREFORMED REFLECTIVE THERMOPLASTIC PAVEMENT MARKING LINE.

CC. REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUITS. BACKFILL TO GRADE.



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

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www.rkk.com

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

REVISIONS

F	SIGNAL RECONSTRUCTION. INSTALL APS/CPS SHA NO. XY1515195. TIMS NO. L825	01-2013	
E	INSTALL CROSSWALKS AND PEDESTRIAN SIGNAL HEADS SHA NO. XX1063585	06-12-2002	
D	REPLACE FAILED DETECTOR LOOPS	10-1999	

BRD DJD BRK TH JMC DB

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

MD 140 (REISTERSTOWN RD)
AT MT. WILSON LN / GREY ROCK RD
PIKESVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 01-03-1987 CONTRACT NO. B820501476

DESIGNED BY B.THOMPSON COUNTY BALTIMORE
DRAWN BY B.THOMPSON LOGMILE 03014002.53
CHECKED BY S.RENZI TIMS NO.
FAP NO. TOD NO.

TS NO. 633F DRAWING SP-1 OF 4 SHEET NO. 1 OF 5

PLOTTED: Tuesday, January 29, 2013 AT 06:44 AM
FILE: \\bdlsrv03\v2008\2008\08148_bcdaiel\Task 140_MD 140 at Mt Wilson & Woodholme (L668)\CADD\pSG-0001_MD140@GreyRock.dgn

BY: BJG