US 13 (OCEAN HWY) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED LED SIGNALS

13-16

16" LED PEDESTRIAN COUNTDOWN SIGNAL HEAD

EXISTING SIGNS TO REMAIN

17,19 LEFT ON GREEN ARROW ONLY

18a Old Snow Hill RD →

18b ← Old Snow Hill RD

20a Linden AVE →

20b ← Linden AVE

21 ONE WAY

22 Ocean HWY

23 NORTH 13 ←

24,29 YIELD

25,30 DO NOT ENTER

26 NORTH 13 →

27 ONE WAY

28

PROPOSED LED SIGNAL HEADS

1,2, 5,6 — R, Y, G

3,4,7 8,10,12 — R, Y, G

9,11 — R, Y, G

EXISTING OPTICOM

e,f

EXISTING VIDEO DETECTION

a,b,c,d

PROPOSED EQUIPMENT

13,15 14,16

R10-3 9" x 15"

NAVIGATOR PEDESTRIAN PUSHBUTTON AND SIGN

PUSHBUTTON NUMBERS INDICATE THE ASSOCIATED PEDESTRIAN SIGNAL HEAD NUMBERS.

PROPOSED SIGN ASSEMBLIES

31,33, 35,37 — R9-3a 24"X24"

USE CROSSWALK — R9-3b (R) 30"X24"

32,34, 36,38 — R9-3a 24"X24"

USE CROSSWALK — R9-3b (L) 30"X24"

NEMA PHASING

01 02 03 04 03 ALT

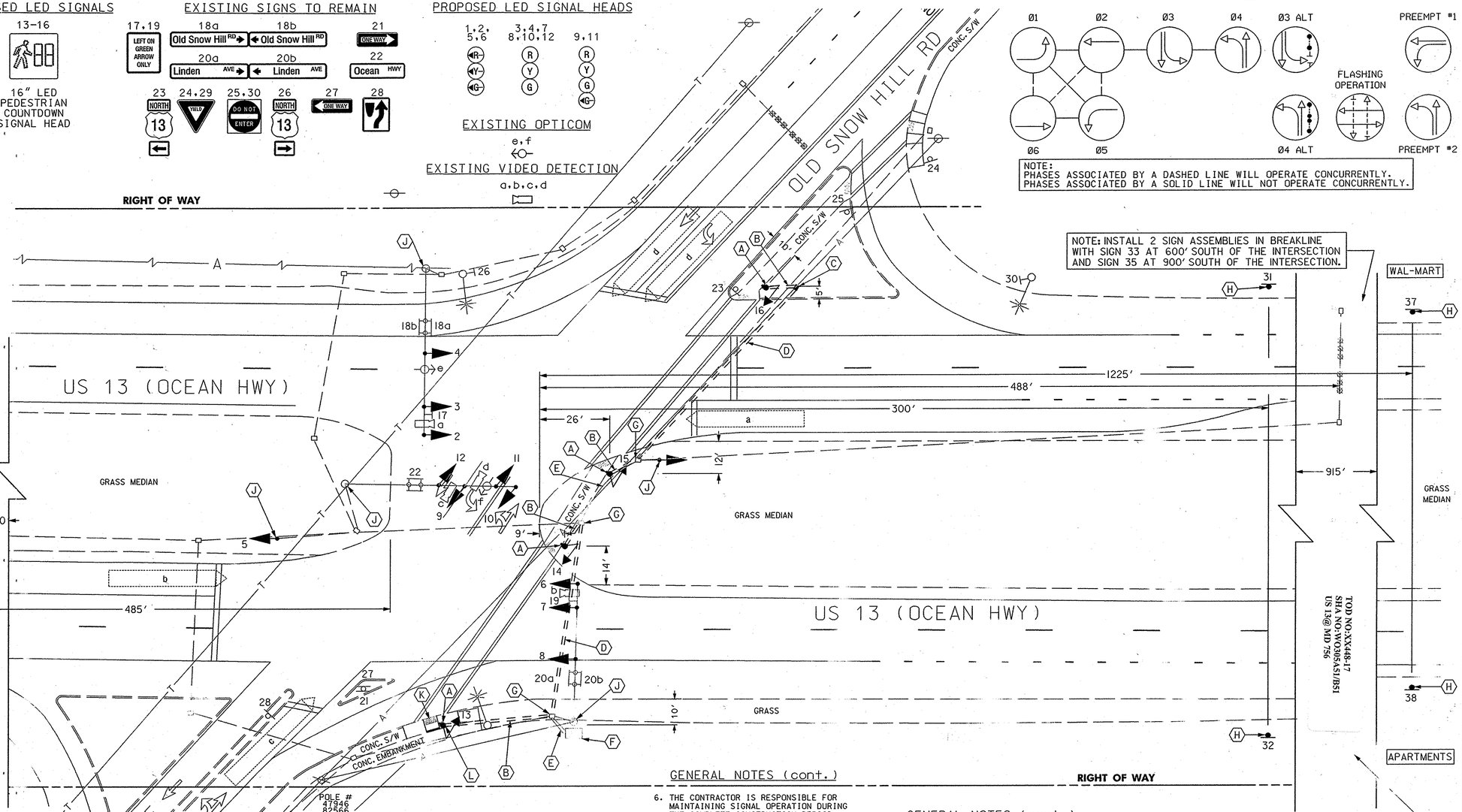
06 05 04 ALT

FLASHING OPERATION

PREEMPT #1

PREEMPT #2

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



NOTE: INSTALL 2 SIGN ASSEMBLIES IN BREAKLINE WITH SIGN 33 AT 600' SOUTH OF THE INTERSECTION AND SIGN 35 AT 900' SOUTH OF THE INTERSECTION.

NOTE: INSTALL 2 SIGN ASSEMBLIES IN BREAKLINE WITH SIGN 34 AT 600' SOUTH OF THE INTERSECTION AND SIGN 36 AT 900' SOUTH OF THE INTERSECTION.

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD, APS STATION AND PEDESTRIAN EDUCATION SIGN. (NOTE: 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).

B. INSTALL 3" PVC SCHEDULE 80 CONDUIT - TRENCHED.

C. INSTALL HANDHOLE.

D. INSTALL 4" PVC SCHEDULE 80 CONDUIT - BORED.

E. USE EXISTING CONDUIT.

F. USE EXISTING CONTROLLER CABINET.

G. USE EXISTING HANDHOLE.

H. INSTALL GROUND MOUNTED SIGNS ON 4"X6" WOOD SIGN SUPPORTS. ASSEMBLE SIGNS WITH R9-3a ON TOP AND R9-3b ON BOTTOM.

J. REMOVE ALL EXISTING SIGNAL HEADS AND INSTALL PROPOSED LED SIGNAL HEADS IN THE SAME LOCATION USING EXISTING WIRING.

K. INSTALL ADA CURB RAMP IN ACCORDANCE WITH SHA STANDARD NO. MD 655.12. WITH 5 FT. WIDE LANDING AND DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SHA STANDARD NO. MD 655.40.

L. REMOVE EXISTING SIDEWALK AND EMBANKMENT TO INSTALL THE PEDESTAL POLE AND CONDUIT. THE POLE FOUNDATION SHOULD BE BUILT UP ON THE SLOPE SIDE OF THE EMBANKMENT AND TIED INTO A 9" BACK CURB ALONG THE STANDING PAD AND THE SLOPE OF THE EMBANKMENT. THIS CURB SHALL PROVIDE PROTECTION FROM PEDESTRIANS POSSIBLY ROLLING DOWN THE EMBANKMENT. A 5' CLEARANCE IS REQUIRED FROM THE POLE FOUNDATION AND THE EDGE OF THE SIDEWALK/CURB.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.

2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTION, TO MEET CLEARANCES AS SPECIFIED IN MD STD. 816.03, MD STD. 818.01, MD 818.02, AND MD STD. 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED SIGNAL EQUIPMENT.

3. PUSHBUTTONS ARE TO BE SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60" x 60" LEVEL LANDING AREA. A LEVEL LANDING AREA IS A AREA WITH A CROSS SLOPE OF LESS THEN OR EQUAL TO 2%.

4. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

5. PROPOSED SIGNAL EQUIPMENT SHALL BE INSTALLED PRIOR TO THE CONSTRUCTION OF THE SIDEWALK AND PEDESTRIAN RAMPS, AND THE INSTALLATION OF THE DETECTABLE WARNING SURFACE.

GENERAL NOTES (cont.)

6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SIGNAL OPERATION DURING THE COMPLETE CONSTRUCTION PERIOD.

7. CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE AND DELIVERY OF THE CENTRAL CONTROL NAVIGATOR UNIT FOR THE CONTROLLER TO THE SHA SIGNAL SHOP AT 7491 CONNELLEY DRIVE, HANOVER, MD 21076. MR EDWARD RODENHIZER AT (410) 787-7652 SHALL BE CONTACTED SEVENTY-TWO (72) HOURS PRIOR TO DELIVERY.

8. THE CONTACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

9. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.

GENERAL NOTES (cont.)

10. PUSHBUTTONS ARE TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA. DOES NOT HAVE TO REACH MORE THAN 18".

11. THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.

12. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.

13. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.

GEOMETRIC LEGEND

EXISTING EDGE OF PAVEMENT

UTILITY LEGEND

E — ELECTRIC CABLES

A — AERIAL CABLES

T — TELEPHONE CABLES

FO — FIBER-OPTIC

APPROVALS

ORIGINAL ON FILE

TEAM LEADER, TRAFFIC ENGINEERING DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DIVISION

CHIEF TRAFFIC ENGINEERING DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

REVISIONS

B SHA NO. XX448518S — 9-3-2008
INSTALLATION OF APS/CPS TO EXISTING TRAFFIC SIGNAL
SJW | AJM | | | TIMS JI21

C — 10/10/2007
INSTALL VIDEO DETECTION
FJA | DBD | WH | TH

B — 7/2002
INSTALL OPTICOM PRE-EMPTION
MAR | DAZ | BRK | TH

PLOTTED: Monday, September 15, 2008 AT 08:37 AM
FILE: J:\DATA\JI21\PS&E Drawings from T3\(9.3.08)\SG-P000_Task97.dgn

CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

T3 DESIGN, P.C.
3927 OLD LEE HWY
SUITE 101-C
FAIRFAX, VA 22030
PHONE: 703-359-5861
www.t3design.us

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

US 13 (OCEAN HIGHWAY) AT MD 756 (LINDEN AVE/OLD SNOW HILL RD)

POCOMOKE CITY, MARYLAND

SIGNAL PLAN

SCALE 1" = 20' DATE 2/21/1985 CONTRACT NO.

DESIGNED BY E SIMMERS
DRAWN BY E SIMMERS
CHECKED BY
F.A.P. NO.

COUNTY WORCESTER
LOGMILE 23001300b 11
T.I.M.S. NO Ji-1
TOD NO TS409D

DRAWING NO. TS 2048 D

SHEET NO. 1 OF 2

BY: bdonoway