MD 28 IS ASSUMMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS TO BE REMOVED

17, 19

LEFT TURN YIELD ON GREEN

R10-12
36" x 42"

EXISTING SIGNS

18a, 18b
D-32.
VARABLE X 16"
Owens Glen Way 11500
Main St

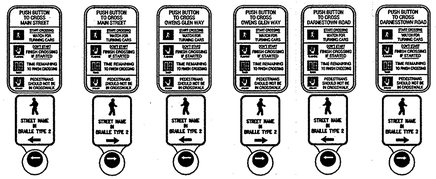
BACK TO BACK
D-3(1) MOD.
32" x 96"

20a, 20b
D-32.
VARABLE X 16"
Main St
Owens Glen Way 11500

BACK TO BACK
D-3(1) MOD.
32" x 96"

PROPOSED SIGNS

21 22 23 24 25 26



R10- 4(1)MOD 9" x 12"
BRAILLE TEXT WITH BLACK FACED PLATE
OPTION "A" VIBRATING ARROW 5" x 7"

EXISTING SIGNALS

1,2, 4,5 — 12"

3,6-10 — 12"

A,B,C,D,E,F

EXISTING VIDEO DETECTION CAMERA

DETECTOR ZONE

DETECTABLE WARNING SURFACES

PROPOSED LED SIGNAL HEADS

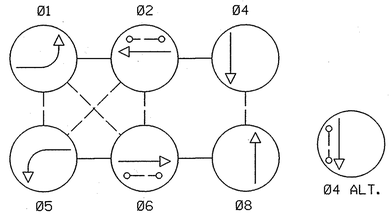
11-16

16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

EXISTING SIGNALS TO BE REMOVED

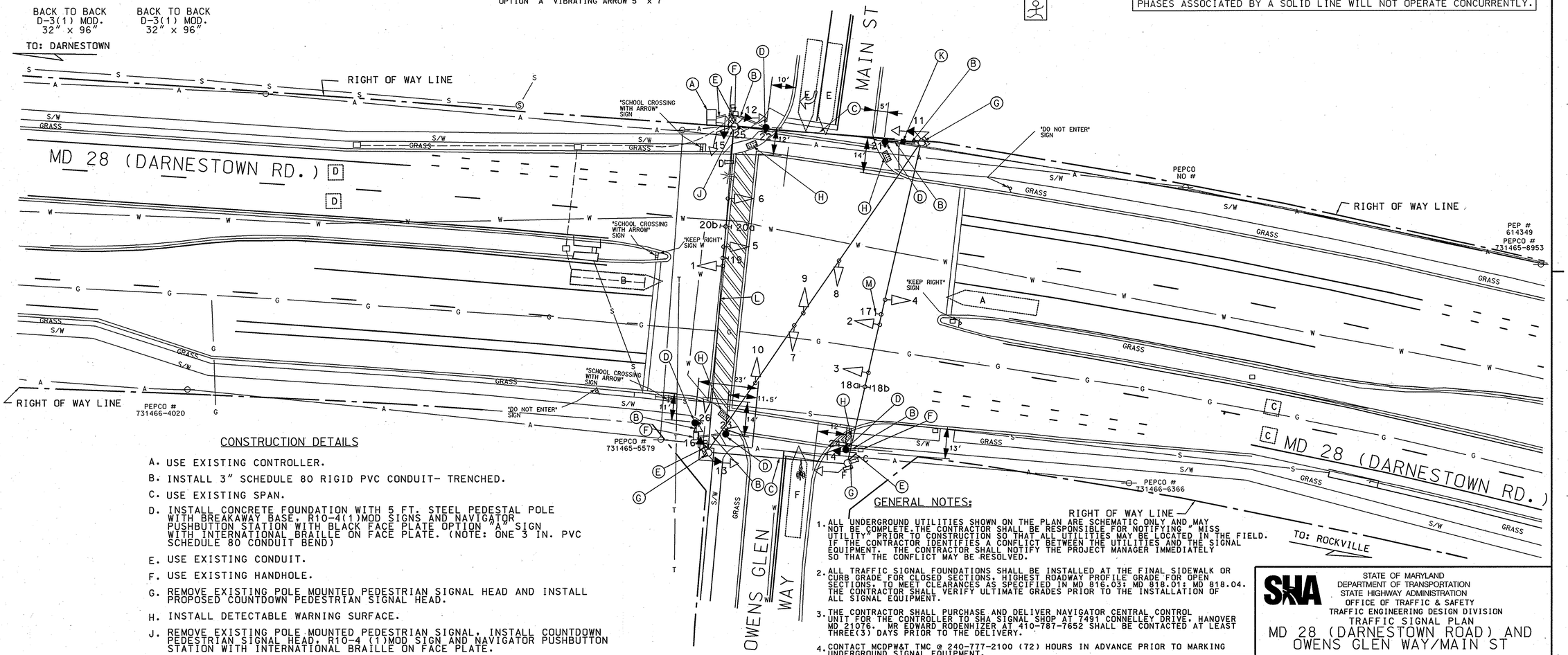
11-16

NEMA PHASING



FLASHING OPERATION

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



CONSTRUCTION DETAILS

A. USE EXISTING CONTROLLER.

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

C. USE EXISTING SPAN.

D. INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE. R10-4(1)MOD SIGNS AND NAVIGATOR PUSHBUTTON STATION WITH BLACK FACE PLATE OPTION "A" SIGN WITH INTERNATIONAL BRAILLE ON FACE PLATE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)

E. USE EXISTING CONDUIT.

F. USE EXISTING HANDHOLE.

G. REMOVE EXISTING POLE MOUNTED PEDESTRIAN SIGNAL HEAD AND INSTALL PROPOSED COUNTDOWN PEDESTRIAN SIGNAL HEAD.

H. INSTALL DETECTABLE WARNING SURFACE.

J. REMOVE EXISTING POLE MOUNTED PEDESTRIAN SIGNAL. INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD. R10-4 (1)MOD SIGN AND NAVIGATOR PUSHBUTTON STATION WITH INTERNATIONAL BRAILLE ON FACE PLATE.

K. INSTALL HANDHOLE.

L. REMOVE EXISTING R10-12 SIGN AND USE EXISTING SPAN.

M. REMOVE EXISTING R10-12 SIGN.

GENERAL NOTES:

1. ALL UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE.THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING " MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR IDENTIFIES A CONFLICT BETWEEN THE UTILITIES AND THE SIGNAL EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

2. ALL TRAFFIC SIGNAL 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 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

3. THE CONTRACTOR SHALL PURCHASE AND DELIVER NAVIGATOR CENTRAL CONTROL UNIT FOR THE CONTROLLER TO SHA SIGNAL SHOP AT 7491 CONNELLEY DRIVE, HANOVER MD 21076. MR EDWARD RODENHIZER AT 410-787-7652 SHALL BE CONTACTED AT LEAST THREE(3) DAYS PRIOR TO THE DELIVERY.

4. CONTACT MCDPW&T TMC @ 240-777-2100 (72) HOURS IN ADVANCE PRIOR TO MARKING UNDERGROUND SIGNAL EQUIPMENT.

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE
ELECTRIC
TELEPHONE
GAS
SEWER
WATER
CABLE TV

TOD No.: AT782-33
SHA No.: MO754A59B59

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204
REVISION 'D' 25003.24

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

REVISIONS
D INSTALL NEW APS COUNTDOWN PEDS FOR WEST LEG MD 28 6/2006 SHA AT782-165
ALD
C RED LINE 9/07/2001 NEW GEOMETRICS MD 28
O.X.
B 3-94 MODIFY SIGNAL DUE TO NEW GEOMETRICTS FOR EB MD 28
T/C

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
MD 28 (DARNESTOWN ROAD) AND OWENS GLEN WAY/MAIN ST

SCALE 1" = 20' DATE 2-15-96 CONTRACT NO. BW-853-802-312
DESIGNED BY S.R. BARANOWSKI
DRAWN BY S.R. BARANOWSKI
CHECKED BY R.R. ZACHERL
F.A.P. NO. N/A
COUNTY MONTGOMERY
LOGMILE 15002816.46
TIMS H557
TOD
DRAWING NO. 3594 D OF
SHEET NO. 1 OF 2

PLOTTED: THURSDAY, JUNE 15, 2006 AT 5:05:28 PM
FILE: MSG-P001_MD28&MAIN&OWENSGLEN.DGN

BY: KPERMISOHN