DRILL HOLES

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Revise Bar Date: June 1, 2004

MD 173 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION

PROPOSED VIDEO DETECTION CAMERAS

A, B, C

PROPOSED SIGNS

11
← Pasadena Yacht Yd. RD
Elizabeth Lndg. WAY →
D3-2 SINGLE FACE SIGN (VAR. X 32")

12
← Elizabeth Lndg. WAY
Pasadena Yacht Yd. RD →
D3-2 SINGLE FACE SIGN (VAR. X 32")

13
ONLY
R3-5L 30"x36"

EXISTING SIGNALS

1 5 6

PROPOSED SIGNALS

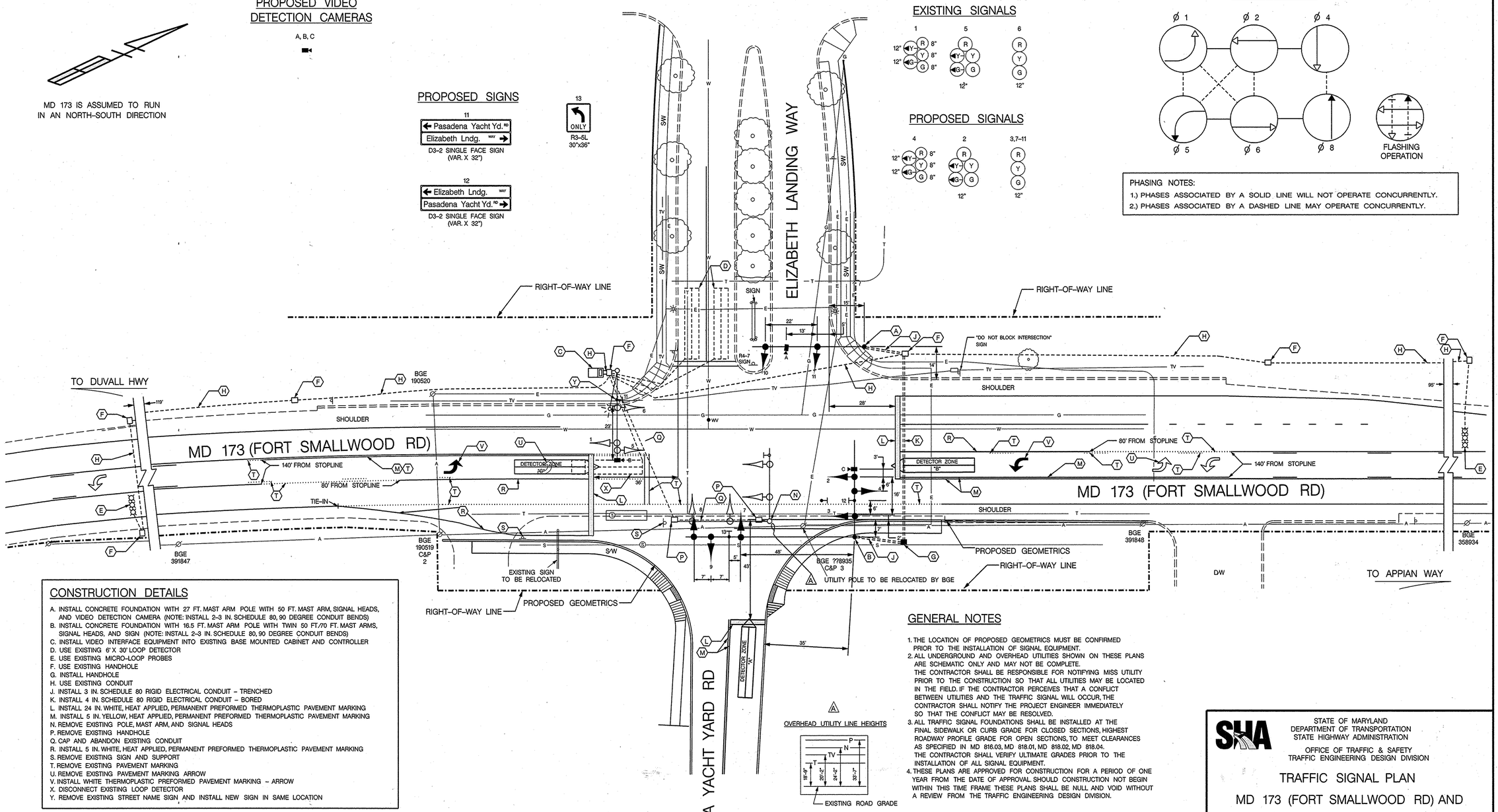
4 2 3,7-11

NEMA PHASING

Ø 1 Ø 2 Ø 4 Ø 5 Ø 6 Ø 8

FLASHING OPERATION

PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, SIGNAL HEADS, AND VIDEO DETECTION CAMERA (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
B. INSTALL CONCRETE FOUNDATION WITH 16.5 FT. MAST ARM POLE WITH TWIN 50 FT./70 FT. MAST ARMS, SIGNAL HEADS, AND SIGN (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
C. INSTALL VIDEO INTERFACE EQUIPMENT INTO EXISTING BASE MOUNTED CABINET AND CONTROLLER
D. USE EXISTING 6' X 30' LOOP DETECTOR
E. USE EXISTING MICRO-LOOP PROBES
F. USE EXISTING HANDHOLE
G. INSTALL HANDHOLE
H. USE EXISTING CONDUIT
J. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
K. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
L. INSTALL 24 IN. WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
M. INSTALL 5 IN. YELLOW, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
N. REMOVE EXISTING POLE, MAST ARM, AND SIGNAL HEADS
P. REMOVE EXISTING HANDHOLE
Q. CAP AND ABANDON EXISTING CONDUIT
R. INSTALL 5 IN. WHITE, HEAT APPLIED, PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
S. REMOVE EXISTING SIGN AND SUPPORT
T. REMOVE EXISTING PAVEMENT MARKING
U. REMOVE EXISTING PAVEMENT MARKING ARROW
V. INSTALL WHITE THERMOPLASTIC PREFORMED PAVEMENT MARKING - ARROW
X. DISCONNECT EXISTING LOOP DETECTOR
Y. REMOVE EXISTING STREET NAME SIGN AND INSTALL NEW SIGN IN SAME LOCATION

GENERAL NOTES

1. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. 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 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
4. THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

A

OVERHEAD UTILITY LINE HEIGHTS

EXISTING ROAD GRADE

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

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APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

A 5-9-08 ADDED FOURTH LEG TO INTERSECTION SHA. NO. BW-990M83 TMZ

FILE PATH: L:\1600\1637\Signal\DGN\signalV8.dgn
DATE: Friday, May 09, 2008 AT 09:42 AM

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
MD 173 (FORT SMALLWOOD RD) AND ELIZABETH LANDING WAY/ PASADENA YACHT YARD RD

SCALE 1" = 20' DATE 4-19-01 CONTRACT NO. XX1005585

DESIGNED BY W J NIES COUNTY ANNE ARUNDEL
DRAWN BY R R ZACHERL LOGMILE
CHECKED BY T.I.M.S. NO. I- 019
F.A.P. NO. N/A TOD NO.

DRAWING NO. TS-4094A SHEET NO. 1 OF 2