DRILL HOLES

BORDER REV: DATE: June 1, 2004

MD 528 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

R10-4(1) MOD 9" x 15" — 21 · R10-4(1) MOD 9" x 15" — 22 · R10-4(1) MOD 9" x 15" — 23 · R10-4(1) MOD 9" x 15" — 24

PUSH BUTTON TO CROSS COASTAL HWY — START CROSSING WATCH FOR TURNING CARS — DON'T START FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2

PROPOSED SIGNS

15,18 — RIGHT LANE BUSES AND RIGHT TURNS ONLY — 30"x 36"

16 — U TURN YIELD ON GREEN — R10-12 36"x 42"

19 — ONLY — R3-5L 30"x 36"

14a,14b,17a,17b — Jamestown Rd — D3-2 (DUAL-FACED) VARIABLE X 16"

20 — Coastal Hwy — D3-2 (DUAL-FACED) VARIABLE X 16"

OVERHEAD UTILITY HEIGHT

18'-2"

INSET "A" SCALE: 1"=20'

NOTE: The SHA Inspector is to contact Mr. Gene Cofiell of District-1 Traffic to arrange for the District to landscape the Easement Area. Per agreement with the Town of Ocean City.

PROPOSED LED SIGNALS

1 — 12" · 2 — 12" · 4 — 12" · 5 — 12" · 3,6,8,9 — 12" · 7 — 8"

10-13 — 16" PEDESTRIAN COUNTDOWN SIGNAL HEAD "LED" TYPE

▶■ – VIDEO DETECTION CAMERA (a-c)

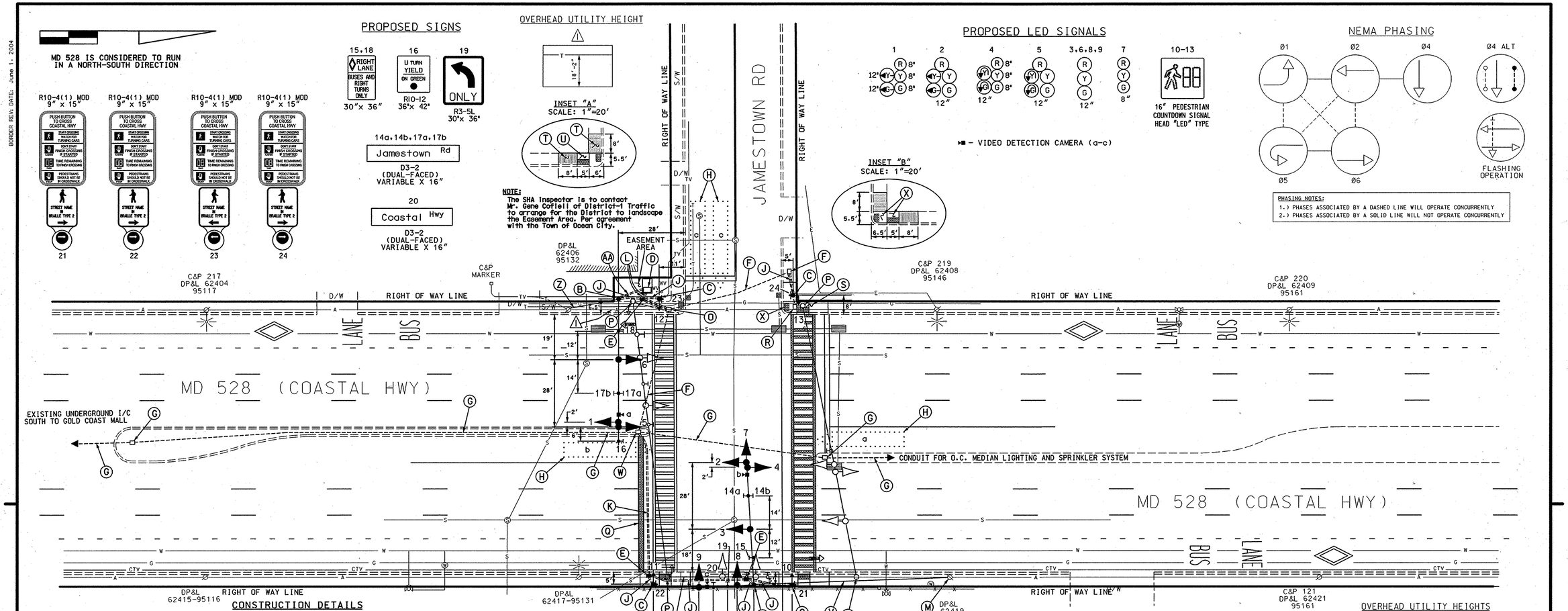
INSET "B" SCALE: 1"=20'

NEMA PHASING

Ø1 Ø2 Ø4 Ø4 ALT Ø5 Ø6

FLASHING OPERATION

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



CONSTRUCTION DETAILS

A. Install 16'5" steel pole with a special 15 "T" dimension, twin 50'-50' (with the sidestreet arm cut to 30') mast arms, with traffic signal heads, signs, 3" weatherhead for I/C and video detection camera as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend. Mast arms must be angled to keep the signal heads controlling the Jamestown Rd approach from conflicting with the overhead Verizon cable.

B. Install 16'5" steel pole with a special 15 "T" dimension, 60' mast arm with traffic signal heads, signs, 2" weatherhead, electrical service equipment and video detection camera as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend and 1-2", 90° polyvinyl chloride (Schedule 80) bend. for electrical service).

C. Install 10' breakaway pedestal pole with transformer base, countdown pedestrian signal head, pushbutton and pedestrian education sign as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.

D. Use existing base mounted cabinet and controller. Use existing 4" conduit bends and attach proposed 4" PVC conduit. (Note: Contractor shall remove existing conduit from the 4" bends).

E. Install handhole.

F. Use existing conduit or handhole.

G. Existing conduit or handhole to remain.

H. Proposed video detection area.

J. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

L. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched)

M. Pull back existing I/C cable from existing controller to this utility pole. Reroute I/C back to controller using proposed signal equipment. (See wiring diagram. Sheet 2 of 2).

N. Remove sidewalk section and install ADA compliant handicapped ramp with detectable warning surface as shown.

O. Remove existing handhole, extend existing 4" conduits into proposed handhole as shown.

P. Remove existing strain pole and all associated equipment. Cap and abandon existing conduit.

Q. Remove existing stopline and install 24" white heat applied preformed thermoplastic pavement marking (stopline).

R. Remove existing handhole. Cap and abandon existing conduit.

S. Install 4" concrete sidewalk section as shown.

T. Install 4" concrete sidewalk section as shown. (Note: Sidewalk to be installed after the installation of the signal equipment).

U. Install depressed concrete sidewalk and depressed curb and gutter with detectable warning surfaces as shown.

V. Rerouted interconnect cable.

W. Pull back existing I/C cable from existing controller to this handhole. Reroute I/C back to controller using proposed signal equipment. (See wiring diagram. Sheet 2 of 2).

X. Remove existing sidewalk and install depressed sidewalk with detectable warning surface as shown.

Y. Remove existing handicapped ramp and sidewalk area. Install 4" concrete sidewalk section as shown. (Note: Sidewalk to be installed after the installation of the signal equipment).

Z. Overhead electrical service drop to be installed by Conectiv.

AA. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched) for electrical service.

INSET "C" SCALE: 1"=20'

DP&L 62417 95131

GENERAL NOTES:

1. All underground utilities shown on these plans 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 perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
2. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
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, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
4. The contractor shall remove all unused wiring.
5. SHA forces shall install necessary video interface equipment into the controller cabinet.
6. The existing signal equipment shall be removed prior to the installation of the proposed Traffic Signal.

OVERHEAD UTILITY HEIGHTS

P — 16'-5" · S — 19'-6" · S — 23'-0" · S — 24'-0" · N — 25'-0" · T — 25'-0"

NOTE: TELEPHONE (VERIZON) TO BE RAISED AND TAKEN OFF BRACKET ON POLE #62419-95147 BY VERIZON

TOD NO: AT909-13
SHA No.: WO442A52/C52
MD 528 @ Jamestown Road

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 528 (COASTAL HWY) AND JAMESTOWN ROAD

GEOMETRIC LEGEND	
PROPOSED	
EXISTING	

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	A — A
ELECTRIC	E — E
TELEPHONE	T — T
GAS	G — G
SEWER	S — S
WATER	W — W
CABLE TV	TV — TV

REVISION "E"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

4913.dgn D6-50

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

REVISIONS

E	REBUILD SIGNAL USING MAST ARMS SHA NO.:AT9095185	12-07-06	
RRZ			
D	ADD SOUTHBOUND "U" TURN FOR MD 528 SHA NO.:WO-642-501-176	10/88	
RFL			
C	REVISED LOOP DETECTION SHA NO.:B55-25001	7/85	
DAB			

SCALE 1"= 20'	DATE 10/88	CONTRACT NO. WO-544-501-185
DESIGNED BY ROBERT LIGON		COUNTY WORCESTER
DRAWN BY		LOGMILE 23052802.09
CHECKED BY		TIMS NO. H121
F.A.P. NO.		TOD NO.
TS NO. 1554E	DRAWING NO. 1 OF 2	SHEET NO. OF

PLOTTED: @DATETIME@
FILE: @FILE@

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