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

EXISTING SIGNS TO BE RELOCATED

19,20

BUSES BIKES RIGHT TURNS ONLY

SPECIAL (30"X36")

EXISTING APS PUSHBUTTONS & SIGN TO REMAIN

16,18

COASTAL HWY
R10-3(1)
(9" X 15")

EXISTING APS PUSHBUTTONS & SIGN TO BE RELOCATED

15,17

COASTAL HWY
R10-3(1)
(9" X 15")

EXISTING SIGNS TO BE REMOVED

127TH Street
D-3(1) (DUAL FACED)
(VARIES X16")
2 EACH

Coastal HWY
D-3(1) (DUAL FACED)
(VARIES X16")
2 EACH

PROPOSED SIGNS

23a,23b,24a,24b
127TH Street
D-3(1) (DUAL FACED)
(VARIES X16")

21a,21b,22a,22b
Coastal HWY
D-3(1) (DUAL FACED)
(VARIES X16")

ADJUST REINFORCING BARS AS NECESSARY TO PREVENT EXPOSURE

FRAME PAD FOR BASE PLATE
12:1 MAX
OUTSIDE EDGE OF POLE FOUNDATION
SIGNAL POLE BASE PLATE PAD
60" MIN
SIDEWALK
CURB & GUTTER
SIGNAL POLE FOUNDATION
SECTION A-A
SPECIAL DETAIL
NOT TO SCALE

AERIAL CABLE DETAIL

PRIMARY	40' 0"
SECONDARY	29' 0"
COMMUNICATION	22' 0"
COMMUNICATION	20' 8"
GRADE	

EXISTING SIGNALS TO BE RELOCATED

2,5 — 12"
3,6-10 — 12"
11-14 — 16"

a,b,c,d
RELOCATED VIDEO DETECTION

PROPOSED LED SIGNALS

1,4
12"/8"

NEMA PHASING

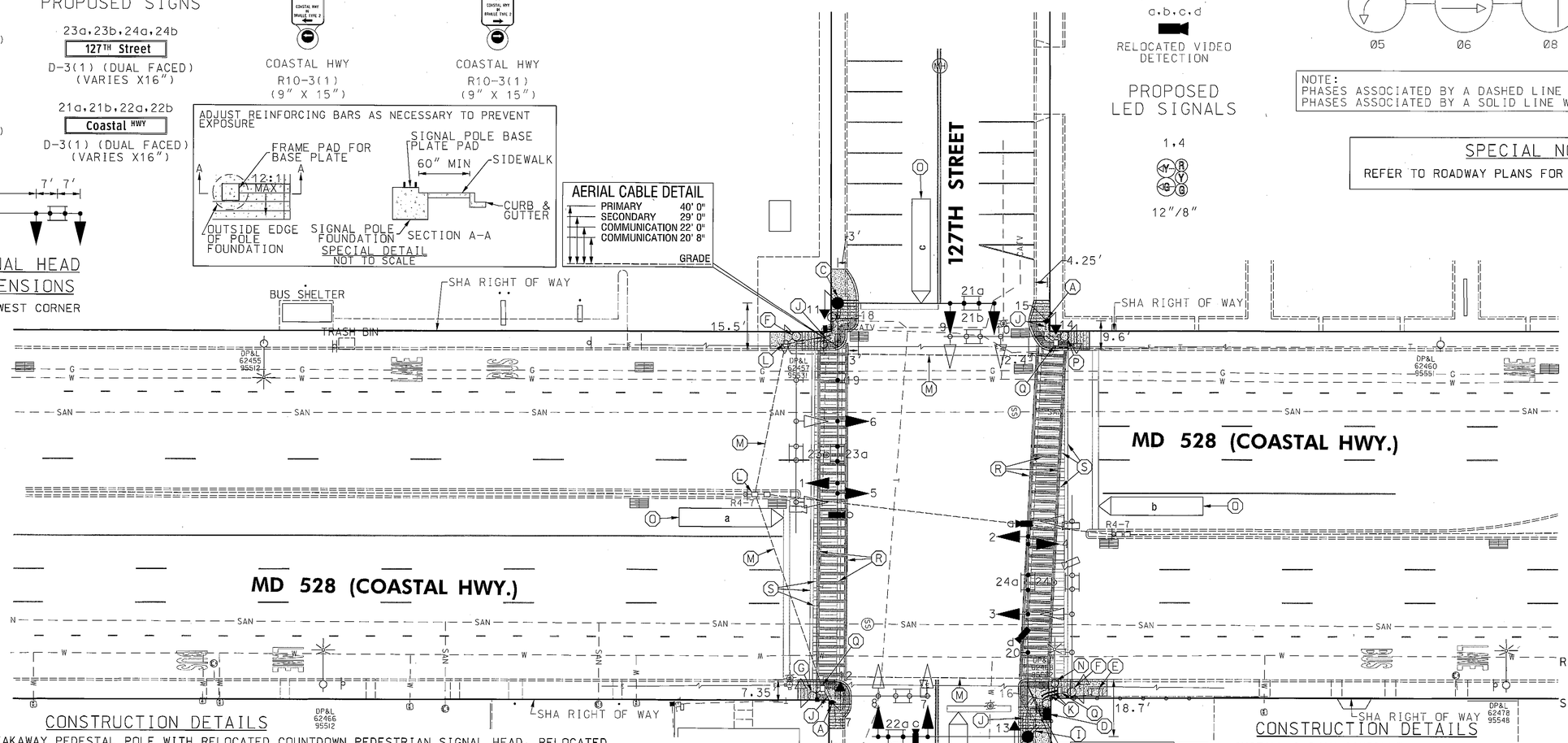
Ø1 Ø2 Ø4 Ø4 ALT.
Ø5 Ø6 Ø8 Ø8 ALT.
FLASHING OPERATION

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

SPECIAL NOTE
REFER TO ROADWAY PLANS FOR SIDEWALK DETAILS.

SIGNAL HEAD DIMENSIONS
SOUTHWEST CORNER

36' 7' 7' 25' 13' 12' 9' 4' 7'



SIGNAL HEAD DIMENSIONS
NORTHEAST CORNER

4' 3' 13' 10' 6' 7' 27'
6' 6.5' 4' 32.5'

CONSTRUCTION DETAILS

A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH RELOCATED COUNTDOWN PEDESTRIAN SIGNAL HEAD, RELOCATED APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK. DISCONNECT, PULL BACK & REROUTE CABLES.

B. INSTALL 18 FT. SPECIAL 'T' MAST ARM POLE WITH TWIN 70 FT./50 FT. MAST ARMS, RELOCATED SIGNAL HEADS, RELOCATED VIDEO DETECTION CAMERAS, SIGNS, WEATHERHEAD, ELECTRICAL UTILITY SERVICE EQUIPMENT, RELOCATED COUNTDOWN PEDESTRIAN SIGNAL HEAD. NOTE: INSTALL 1-3 IN. & 1-2 IN. CONDUIT BENDS IN POLE BASE. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK.

C. INSTALL 18 FT. SPECIAL 'T' MAST ARM POLE WITH TWIN 70 FT./50 FT. MAST ARMS, RELOCATED SIGNAL HEADS, RELOCATED VIDEO DETECTION CAMERA, SIGNS AND RELOCATED COUNTDOWN PEDESTRIAN SIGNAL HEAD. NOTE: INSTALL 1-3 IN. CONDUIT BENDS IN POLE BASE. TOP OF FOUNDATION SHALL BE INSTALLED AT SAME SLOPE FLUSH WITH SIDEWALK. SEE SPECIAL DETAIL.

D. INSTALL NEMA SIZE 6 TRAFFIC SIGNAL CABINET AND CONTROLLER WITH VIDEO DETECTION INTERFACE EQUIPMENT AND APS CENTRAL CONTROL UNIT. NOTE: INSTALL 2-2 IN. & 2-4 IN. CONDUIT BENDS IN CABINET BASE. CABINET FOUNDATION MAINTENANCE PAD SHALL BE INSTALLED AT SAME SLOPE AS SIDEWALK. CABINET PAD SHALL BE INSTALLED AT LEVEL GRADE. DISCONNECT, PULL BACK AND REROUTE CABLES.

E. REMOVE EXISTING TRAFFIC SIGNAL CABINET AND CONTROLLER.

F. REMOVE EXISTING MAST ARM POLE. RELOCATE EXISTING SIGNAL HEADS, VIDEO DETECTION CAMERAS, SIGN AND PEDESTRIAN SIGNAL HEAD.

G. REMOVE EXISTING MAST ARM POLE. RELOCATE EXISTING SIGNAL HEADS, VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN.

H. RELOCATED OVERHEAD ELECTRICAL UTILITY SERVICE BY UTILITY COMPANY.

CONSTRUCTION DETAILS

AERIAL CABLE DETAIL

PRIMARY	34' 0"
SECONDARY	26' 0"
INTERCONNECT	23' 0"
GUY	21' 10"
GRADE	

I. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

J. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

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

L. USE EXISTING HANDHOLE.

M. USE EXISTING CONDUIT.

N. DISCONNECT, PULL BACK AND RE-ROUTE EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE FROM EXISTING CABINET TO PROPOSED CABINET.

O. PROPOSED VIDEO DETECTION ZONE.

P. REMOVE EXISTING MAST ARM POLE. RELOCATE EXISTING TRAFFIC SIGNAL HEADS, COUNTDOWN PEDESTRIAN SIGNAL, APS PUSHBUTTON & SIGN.

Q. ADJUST EXISTING HANDHOLE TO GRADE.

CONSTRUCTION DETAILS

R. INSTALL 12 INCH WHITE HEAT APPLIED PAVEMENT MARKING LINE.

S. REMOVE EXISTING PAVEMENT MARKING LINE.

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

BY: BJG

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

REVISIONS

D	RECONSTRUCT SIGNAL TO MEET ADA XX4435185	BJG	12-08
C	UPGRADE TO APS & CPS, MAKE GEOMETRIC CHANGES AT9335185	SWA	06-07

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

MD 528 (COASTAL HWY.) AT 127TH ST.
OCEAN CITY, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 11-6-86 CONTRACT NO. AT9335185

DESIGNED BY J. DIRNDORFER
DRAWN BY J. DIRNDORFER
CHECKED BY
FAP NO.

COUNTY WORCESTER
LOGMILE 23052801.33
TIMS NO. J609
TOD NO.

TS NO. 2246D | DRAWING SG-4 OF 7 | SHEET NO. 4 OF 7

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