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

EXISTING SIGNS TO BE REMOVED

PUSH BUTTON TO CROSS COASTAL HWY — PEDESTRIANS MUST CROSS WITH TURNING CARS — MULTI-STAGE PEDESTRIAN CROSSING IS REQUIRED — PEDESTRIANS SHOULD EXIT ON CROSSWALK
9"X12" (4 EA.)

118TH Street — VARIES X 16" (1 EA.)

Coastal HWY — VARIES X 16" (1 EA.)

EXISTING SIGNS TO REMAIN

20: BUSES BIKES RIGHT TURNS ONLY — 30"X42"

23a,23b: 118TH Street — D-3(1) (DUAL FACED) VARIES X16"

24a,24b: Coastal HWY — D-3(1) (DUAL FACED) VARIES X16"

PROPOSED SIGNS

21a,21b: 118TH Street — D-3(1) (DUAL FACED) VARIES X16"

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

EXISTING SIGNS TO BE RELOCATED

19: BUSES BIKES RIGHT TURNS ONLY — 30"X42"

PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN

15,16 — PUSH BUTTON TO CROSS COASTAL HWY — COASTAL HWY on SMALLE TYPE 2 — COASTAL HWY R10-3(1) 9" X 15"

17,18 — PUSH BUTTON TO CROSS COASTAL HWY — COASTAL HWY on SMALLE TYPE 2 — COASTAL HWY R10-3(1) 9" X 15"

EXISTING LED SIGNALS TO BE RELOCATED

4: 12"/8"; 2: 12"; 3,7,8: 12"; 12-14: 16"

EXISTING LED SIGNALS TO REMAIN

1: 12"/8"; 5: 12"; 6,9,10: 12"; 11: 16"

NEMA PHASING

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

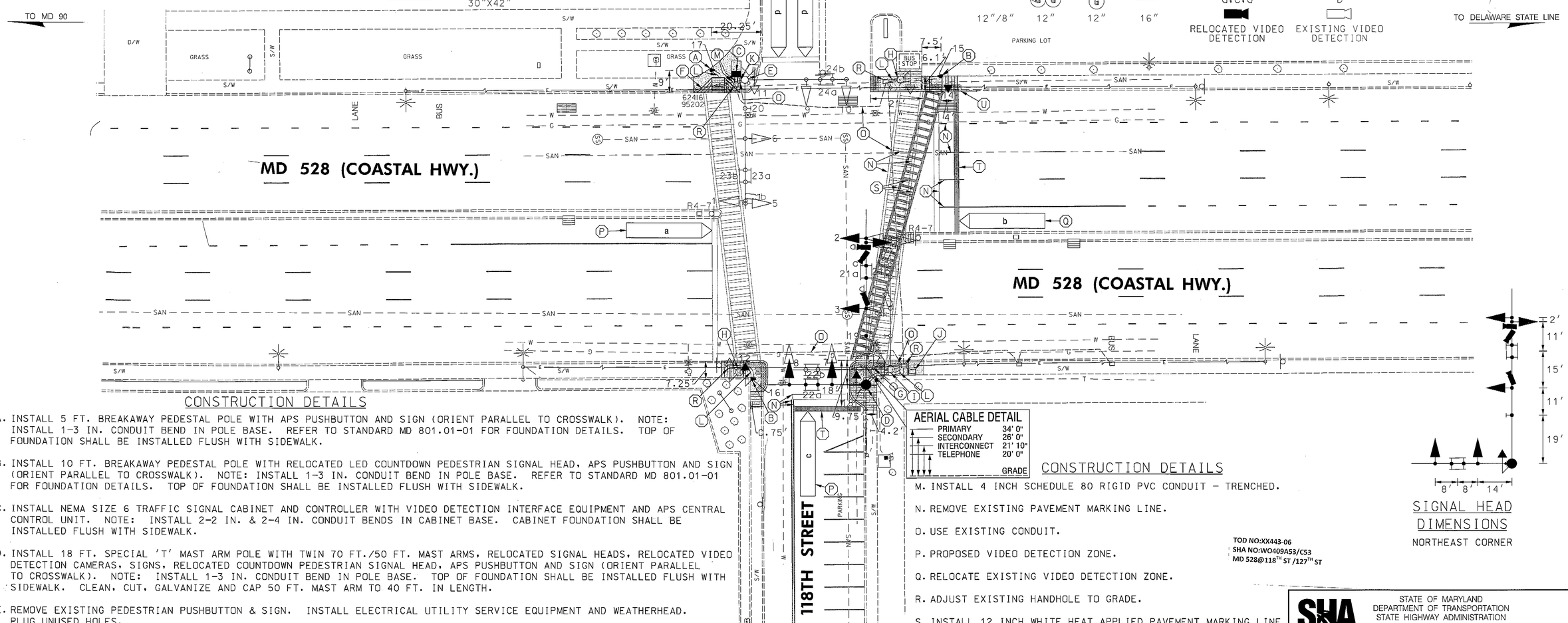
NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

a,c,d — RELOCATED VIDEO DETECTION

b — EXISTING VIDEO DETECTION

SPECIAL NOTE

REFER TO ROADWAY PLANS FOR SIDEWALK DETAILS.



CONSTRUCTION DETAILS

A. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH 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.

B. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH RELOCATED LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, 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.

C. 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 SHALL BE INSTALLED FLUSH WITH SIDEWALK.

D. INSTALL 18 FT. SPECIAL 'T' MAST ARM POLE WITH TWIN 70 FT./50 FT. MAST ARMS, RELOCATED SIGNAL HEADS, RELOCATED VIDEO DETECTION CAMERAS, SIGNS, RELOCATED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH SIDEWALK. CLEAN, CUT, GALVANIZE AND CAP 50 FT. MAST ARM TO 40 FT. IN LENGTH.

E. REMOVE EXISTING PEDESTRIAN PUSHBUTTON & SIGN. INSTALL ELECTRICAL UTILITY SERVICE EQUIPMENT AND WEATHERHEAD. PLUG UNUSED HOLES.

F. OVERHEAD ELECTRICAL UTILITY SERVICE FEED BY UTILITY COMPANY FROM POLE NUMBER 62416 95202.

G. INSTALL NEW OVERHEAD INTERCONNECT CABLE NORTH TO TRAFFIC SIGNAL CABINET AT 120TH STREET (1150 FT.) AND SOUTH TO TRAFFIC SIGNAL CABINET AT JAMESTOWN ROAD (1000 FT.). USE THE EXISTING CONDUIT AND WEATHERHEAD ON EXISTING UTILITY POLE.

H. REMOVE EXISTING PEDESTAL POLE, PUSHBUTTON AND SIGN. RELOCATE EXISTING LED COUNTDOWN PEDESTRIAN SIGNAL HEAD.

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

J. REMOVE EXISTING TRAFFIC SIGNAL CABINET.

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

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

AERIAL CABLE DETAIL

PRIMARY	34' 0"
SECONDARY	26' 0"
INTERCONNECT	21' 10"
TELEPHONE	20' 0"
GRADE	

CONSTRUCTION DETAILS

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

N. REMOVE EXISTING PAVEMENT MARKING LINE.

O. USE EXISTING CONDUIT.

P. PROPOSED VIDEO DETECTION ZONE.

Q. RELOCATE EXISTING VIDEO DETECTION ZONE.

R. ADJUST EXISTING HANDHOLE TO GRADE.

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

T. INSTALL 24 INCH WHITE HEAT APPLIED PAVEMENT MARKING LINE.

U. RELOCATE EXISTING TRASH CAN. (BY OTHERS)

SIGNAL HEAD DIMENSIONS

NORTHEAST CORNER

2', 11', 15', 11', 19'; 8', 8', 14'

TOD NO:XX443-06
SHA NO:WO409A53/C53
MD 528@118TH ST /127TH ST

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

Rummel, Klepper & Kahl, LLP
Consulting Engineers Since 1923
81 Mosher Street
Baltimore, Maryland 21217
www.rkk.com
Ph: 410.728.2900 Fax: 410.728.3160

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

REVISIONS
A — UPGRADE TO APS AND COUNTDOWN PEDESTRIAN SIGNALS XX4435185 — 12-08 — BJG

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

MD 528 (COASTAL HWY.) AT 118TH ST.
OCEAN CITY, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' | DATE 11-21-86 | CONTRACT NO. WO-645-451-185

DESIGNED BY R.ZACHERL | COUNTY WORCESTER
DRAWN BY S.THACKER | LOGMILE 2305280I.96
CHECKED BY DENNIS DODA | TIMS NO. J609
FAP NO. | TOD NO.

TS NO. 2262A | DRAWING SG-1 | OF 7 | SHEET NO. 1 OF 7

PLOTTED: Thursday, December 18, 2008 AT 12:56 PM
FILE: M:\projects\2007\07056_shahdd\Task02_MD 528 ADA\CADD\118TH Street\cSG-P000_118TH.dgn