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

EXISTING SIGNS TO BE REMOVED

30TH Street — VARIES X 16" (2 EA.)

9"X12" (4 EA.)

PROPOSED SIGNS

21a,21b,22a,22b — Philadelphia AVE — D-3(1) (DUAL FACED) 84"X16"

23a,24a — ← 30TH Street — D-3(1) (DUAL FACED) 72"X16"

23b,24b — 30TH Street → — D-3(1) (DUAL FACED) 72"X16"

PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN

16,19 — PHILADELPHIA AVE — R10-3(1) 9" X 15"

17,18 — PHILADELPHIA AVE — R10-3(1) 9" X 15"

EXISTING SIGNS TO REMAIN

20 — BEACH ACCESS — 24"X24" 24"X24"

25,26 — BUSES BIKES RIGHT TURNS ONLY — 30"X42"

PROPOSED LED SIGNALS

9 — 12"

12,13,14 — 16"

TOD NO: XX661-17
SHA NO: WO209B55
MD 528 @ 30th Street

EXISTING LED SIGNALS TO REMAIN

1,4 — 12"/8"

2,5 — 12"

3,6,7,8 10,11 — 12"

15 — 16"

a,b,c,d — PROPOSED IP-BASED VIDEO DETECTION

NEMA PHASING

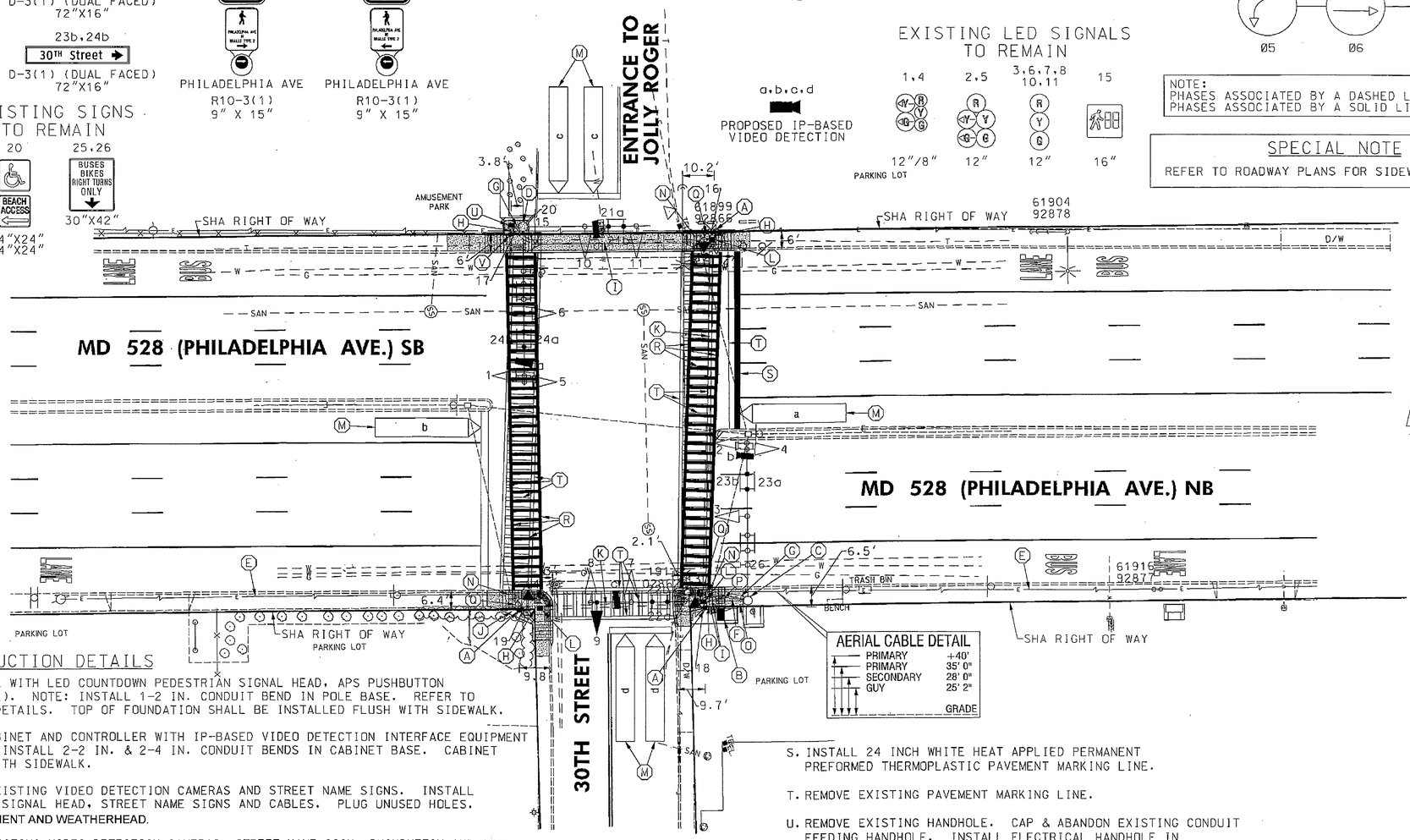
Ø1 Ø2 Ø4 ALT Ø4

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.

SPECIAL NOTE

REFER TO ROADWAY PLANS FOR SIDEWALK DETAILS.

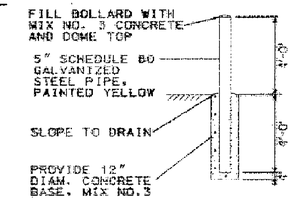


SIGNAL HEAD DIMENSIONS

SOUTHWEST CORNER

SIGNAL HEAD DIMENSIONS

NORTHEAST CORNER



1 BOLLARD DETAIL
NOT TO SCALE

YELLOW PAINT SHALL BE FEDERAL STANDARD 595B COLOR #33907.

PAY ITEM FOR BOLLARD INCLUDES ALL MATERIALS AND LABOR REQUIRED TO INSTALL BOLLARD AND CONCRETE BASE.

AERIAL CABLE DETAIL

PRIMARY	+40'
PRIMARY	35' 0"
SECONDARY	28' 0"
GUY	25' 2"
	GRADE

CONSTRUCTION DETAILS

A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 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 NEMA SIZE 6 TRAFFIC SIGNAL CABINET AND CONTROLLER WITH IP-BASED 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.

C. USE EXISTING MAST ARM POLE. REMOVE EXISTING VIDEO DETECTION CAMERAS AND STREET NAME SIGNS. INSTALL IP-BASED VIDEO DETECTION CAMERAS, LED SIGNAL HEAD, STREET NAME SIGNS AND CABLES. PLUG UNUSED HOLES. REPLACE EXISTING ELECTRICAL SERVICE EQUIPMENT AND WEATHERHEAD.

D. USE EXISTING MAST ARM POLE. REMOVE EXISTING VIDEO DETECTION CAMERAS, STREET NAME SIGN, PUSHBUTTON AND SIGN. INSTALL IP-BASED VIDEO DETECTION CAMREAS, CABLE AND SIGNS. PLUG ALL UNUSED HOLES.

E. OVERHEAD INTERCONNECT CABLE SHALL BE REPLACED FROM THE TRAFFIC SIGNAL AT 28TH STREET TO THE SOUTH (1000 FT.) AND THE TRAFFIC SIGNAL AT 33RD TO THE NORTH (1350 FT.).

F. EXISTING OVERHEAD POWER FEED BY DELMARVA POWER TO REMAIN.

G. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED. TIE INTO EXISTING CONDUIT BEND IN EXISTING POLE BASE.

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

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

J. THE CONTRACTOR SHALL CONTACT DISTRICT 1 MAINTENANCE TO TRIM BUSHES BACK TO PROPOSED SHA RIGHT-OF-WAY LINE.

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

L. INSTALL ELECTRICAL HANDHOLE.

M. PROPOSED VIDEO DETECTION ZONE 1 FT. BEHIND STOP LINE.

N. REMOVE EXISTING HANDHOLE. CAP & ABANDON EXISTING CONDUIT.

O. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED. TIE INTO EXISTING CONDUIT BEND IN EXISTING POLE BASE.

P. REMOVE EXISTING CABINET. REMOVE EXISTING FOUNDATION BELOW GRADE AND MAKE FLUSH WITH SIDEWALK. CAP & ABANDON EXISTING CONDUIT.

Q. REMOVE EXISTING PEDESTAL POLE AND ASSOCIATED EQUIPMENT. REMOVE EXISTING FOUNDATION BELOW GRADE AND MAKE FLUSH WITH SIDEWALK. CAP & ABANDON EXISTING CONDUIT.

R. INSTALL 12 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

S. INSTALL 24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

T. REMOVE EXISTING PAVEMENT MARKING LINE.

U. REMOVE EXISTING HANDHOLE. CAP & ABANDON EXISTING CONDUIT FEEDING HANDHOLE. INSTALL ELECTRICAL HANDHOLE IN VACINITY OF EXISTING HANDHOLE.

V. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 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. CLEAN, CUT, GALVANIZE & CAP SIGNAL STRUCTURE.

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	UPGRADE TO APS AND COUNTDOWN PEDESTRIAN SIGNALS XX0615185	1-284	06-11
BJG		KJB	MLC	J.T.H.
C	INSTALL RESTRICTED RIGHT LANE SIGNS AT9095185		7-14-08
SWA			TH
B	INSTALL OVERHEAD VIDEO DETECTION CAMERAS AT7255185		8-24-07
SWA	JAH	DBD	MR	TH

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

MD 528 (PHILADELPHIA AVE.) AT 30TH ST.
OCEAN CITY, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE	1"=20'	DATE	11-17-86
CONTRACT NO.	AW517A5L		
DESIGNED BY	R.ZACHERL	COUNTY	WORCESTER
DRAWN BY	K.L.BROWN	LOGMILE	23052806.59
CHECKED BY	DENNIS DODA	TIMS NO.	
FAP NO.		TOD NO.	

TS NO. 2260D | DRAWING SG-1 OF 4 | SHEET NO. 1 OF 3

PLOTTED: Tuesday, June 28, 2011 AT 10:26 AM
FILE: \\filsrm\v2007\2007\07056_dhdhd0\Task09_MD 528 ADA\CADD\30TH Street\pSG-P000_30th.dgn