MD 173 (FORT SMALLWOOD ROAD)
IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO REMAIN

8,9 — Pittman RD / Pittman RD

DUAL FACE

13 — TO 695

EXISTING SIGNS TO BE REMOVED

NORTH 173 SOUTH

PROPOSED SIGNS

12 — Ft. Smallwood Rd NORTH 173 SOUTH

M1-5(4)
(78"X36")

14 — R4-7
(24" X 30")
@15°

EXISTING SIGNALS TO BE REMOVED

R Y G

12"

PROPOSED LED SIGNALS

1-7 — R Y G

12"

PROPOSED VIDEO CAMERA

a,b

VIDEO DETECTION ZONE

a,b

NEMA PHASING

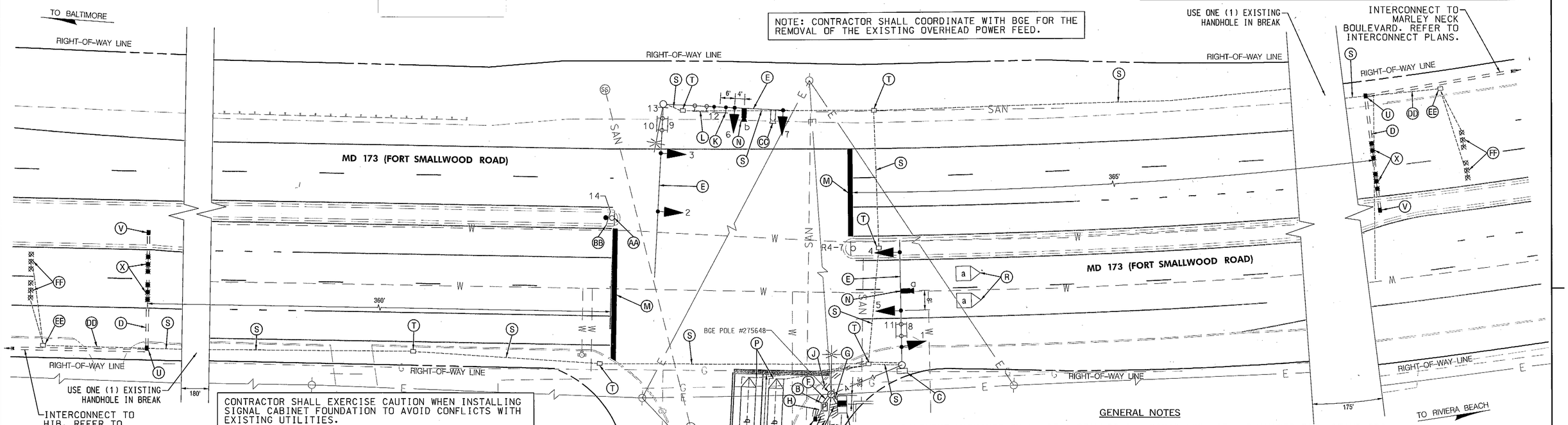
Ø2 Ø4 Ø6

FLASHING OPERATION

TOD NO: XX647-22
SHA NO: AA127B5D
MD 173; Pittman Rd to Energy Parkway

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

NOTE: CONTRACTOR SHALL COORDINATE WITH BGE FOR THE REMOVAL OF THE EXISTING OVERHEAD POWER FEED.



CONTRACTOR SHALL EXERCISE CAUTION WHEN INSTALLING SIGNAL CABINET FOUNDATION TO AVOID CONFLICTS WITH EXISTING UTILITIES.

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A TYPE S BASE MOUNTED CABINET AND MASTER CONTROLLER. (NOTE: TWO-4 IN. AND TWO-2 IN. PVC SCHEDULE 80, 90-DEGREE BENDS).
B. INSTALL 100 AMP METERED SERVICE PEDESTAL. (NOTE: ONE-4 IN. AND TWO-2 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BENDS)
C. REMOVE EXISTING POLE MOUNTED CABINET AND CONTROLLER AND ELECTRICAL UTILITY SERVICE EQUIPMENT.
D. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
E. REPLACE ALL EXISTING MAST ARM MOUNTED SIGNAL HEADS WITH NEW LED SIGNAL HEADS IN THE SAME LOCATION.
F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE.
G. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR PHONE DROP - TRENCHED. STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE.
H. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
K. INSTALL SIGN ON EXISTING MAST ARM, AS SHOWN.
L. REMOVE SIGN FROM EXISTING MAST ARM.
M. REMOVE EXISTING STOP LINE PAVEMENT MARKING AND INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING AT THE SAME LOCATION.
N. INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM, AS SHOWN.
P. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES, AND CONTROLLER.
R. VIDEO DETECTION ZONE TO BE ALIGNED BY SHA ENGINEER.
S. USE EXISTING CONDUIT.
T. USE EXISTING HANDHOLE.
U. INTERCEPT EXISTING CONDUIT. INSTALL HANDHOLE WITH LONGER DIMENSION PERPENDICULAR TO THE ROADWAY FOR NON-INVASIVE PROBES.
V. INSTALL HANDHOLE WITH LONGER DIMENSION PERPENDICULAR TO THE ROADWAY FOR NON-INVASIVE PROBES.
W. INSTALL NON-INVASIVE PROBES WITH 500 FT. LEAD-IN CABLE. (TO BE CENTERED IN LANE)
X. INSTALL NON-INVASIVE PROBES WITH 1,000 FT. LEAD-IN CABLE. (TO BE CENTERED IN LANE)
Y. INSTALL HANDHOLE.
Z. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
AA. REMOVE EXISTING SIGN AND SUPPORT.
BB. INSTALL GROUND MOUNTED SIGN ON A SINGLE WOOD (4 IN. X 4 IN.) SUPPORT.
CC. REMOVE EXISTING VIDEO DETECTION CAMERA FROM EXISTING MAST ARM.
DD. CAP AND ABANDON EXISTING CONDUIT.
EE. REMOVE EXISTING HANDHOLE AND BACKFILL.
FF. ABANDON EXISTING PROBES.

GENERAL NOTES

1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH ADMINISTRATION STANDARDS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
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 THE APPROPRIATE 800 SERIES STANDARD PLATES. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADE PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
4. 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 CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVED 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.
5. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS OPERATION OF ALL INTERCONNECT, VEHICULAR DETECTORS, AND LIGHTING DEVICES. IF ANY DEVICE IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPAIRED WITHIN 72 HOURS BY THE CONTRACTOR AT NO COST TO THE ADMINISTRATION AFTER NOTIFICATION BY THE ENGINEER.
6. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR SHALL PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE, AND TELEPHONE NUMBER.
7. THE CONTRACTOR SHALL VERIFY SIGNAL CABINET LOCATION PRIOR TO INSTALLATION.
8. VIDEO CAMERA LOCATION AND ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL UNUSED CABLE FROM ALL EXISTING CONDUITS.
10. DISCONNECTING AND SPLICING OF INTERCONNECT CABLE SHALL BE PERFORMED BY SHA FORCES. THE CONTRACTOR SHALL RUN THE INTERCONNECT CABLE INTO THE BASE OF EACH CABINET AND PROPERLY TAG EACH CABLE. CONTACT MR. ED RODDENHIZER AT (410) 787-7650 SEVENTY-TWO HOURS IN ADVANCE OF INTENDED WORK.

GEOMETRIC LEGEND

EXISTING

UTILITY LEGEND

SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
SAN	SEWER MAIN
UG ELEC	ELECTRIC CABLES
E	AERIAL CABLES
UG TEL	TELEPHONE CABLES
UG FO	FIBER-OPTIC

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APPROVALS

ORIGINAL ON FILE

TEAM LEADER, TRAFFIC ENGINEERING DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DIVISION
CHIEF TRAFFIC ENGINEERING DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

REVISIONS

B INSTALL VIDEO DETECTION AND UPGRADE TO LED SIGNAL HEADS
SHA NO. XX6475185 TIMS NO. H408 05-2012
SWA
A REPLACE FAILED PROBE SETS
SHA NO. AA348A55B55

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

MD 173 (FORT SMALLWOOD ROAD) AT PITTMAN ROAD
CURTIS BAY, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 2-3-1997 CONTRACT NO. AW104ASG,AW104B5G, AW104M5G

DESIGNED BY T. ZAYDEL COUNTY ANNE ARUNDEL
DRAWN BY T. ZAYDEL LOGMILE 02017308.50
CHECKED BY K. SCHMID TIMS NO.
FAP NO. TOD NO.

TS NO. 3655B | DRAWING SG-01 OF 15 | SHEET NO. 1 OF 15

PLOTTED: Monday, June 11, 2012 AT 07:59 PM
FILE: R:\2006\73 SHA BCS 2008-05A_TEDD DESIGN_STV_JV__S5M\Task 179 MD 173 Interconnect\dwg\pSG-P001_MD173.dgn

BY:AGRIFFIN -