EXISTING SIGN TO BE REMOVED

9

M 95-1
18" x 60"

PROPOSED SIGNS

10,11

R 3-5(R)
30" x 36"

12

SHIELD ASSEMBLY 48"x72"

PROPOSED SIGNALS

3 I — R, Y, G — 12" L.E.D.

5,6 I — R, Y, G — 12" L.E.D.

~~4~~ I — R, Y, G — 12" L.E.D.

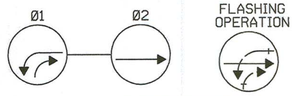
1,2,~~4~~ 4,7,8 I — R, Y, G — 12" L.E.D.

PROPOSED VIDEO DETECTION

a, b, c

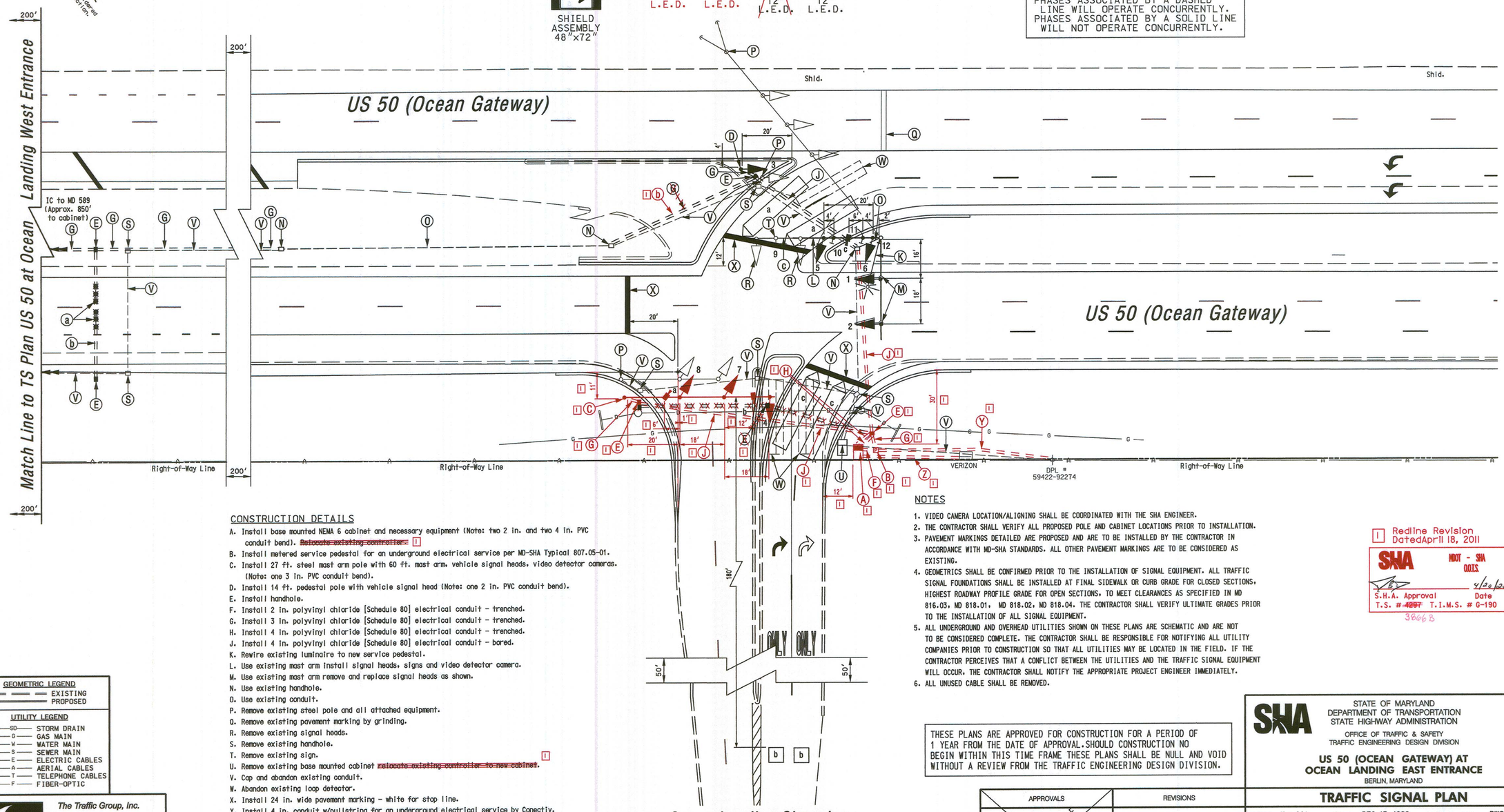
Video Detector Camera

NEMA PHASING



FLASHING OPERATION

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



CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet and necessary equipment (Note: two 2 in. and two 4 in. PVC conduit bend). ~~Relocate existing controller.~~ I
B. Install metered service pedestal for an underground electrical service per MD-SHA Typical 807.05-01.
C. Install 27 ft. steel mast arm pole with 60 ft. mast arm, vehicle signal heads, video detector cameras. (Note: one 3 in. PVC conduit bend).
D. Install 14 ft. pedestal pole with vehicle signal head (Note: one 2 in. PVC conduit bend).
E. Install handhole.
F. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
K. Rewire existing luminaire to new service pedestal.
L. Use existing mast arm install signal heads, signs and video detector camera.
M. Use existing mast arm remove and replace signal heads as shown.
N. Use existing handhole.
O. Use existing conduit.
P. Remove existing steel pole and all attached equipment.
Q. Remove existing pavement marking by grinding.
R. Remove existing signal heads.
S. Remove existing handhole.
T. Remove existing sign. I
U. Remove existing base mounted cabinet ~~relocate existing controller to new cabinet~~.
V. Cap and abandon existing conduit.
W. Abandon existing loop detector.
X. Install 24 in. wide pavement marking - white for stop line.
Y. Install 4 in. conduit w/pullstring for an underground electrical service by Conectiv.
Z. Proposed 2 in. conduit for phone service by Verizon.
a. Install non-invasive micro-probe (set of 3).
b. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
c. Remove end section of existing mast arm and cap.

NOTES

1. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
4. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT 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, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES 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 EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
6. ALL UNUSED CABLE SHALL BE REMOVED.

I Redline Revision Dated April 18, 2011

SHA MDOT - SHA OOTS
S.H.A. Approval Date
T.S. # ~~4257~~ T.I.M.S. # G-190
3866B

GEOMETRIC LEGEND
EXISTING
PROPOSED

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

The Traffic Group, Inc.
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"Merging Innovation and Excellence"®

PLOTTED BY: FHoeckel

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NO BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

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

REVISIONS
5 Modifications due to new geometrics. 08/09/10
S.H.A. No.: BW996M82
fdb
A As-built. 8/6/99
S.H.A. No.: BW996M82
fjh

PLOTTED: Monday, April 18, 2011 AT 10:59 AM
FILE: P:\2005\2005-0502\Dsn\Red-Line No.1\p8G-P001_US50-LandingEast.dgn

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

US 50 (OCEAN GATEWAY) AT OCEAN LANDING EAST ENTRANCE

BERLIN, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE DEC. 15, 1998 CONTRACT NO. BW996M82

DESIGNED BY J. DIRNDORFER
DRAWN BY J. DIRNDORFER
CHECKED BY
F.A.P. NO.

COUNTY WORCESTER
LOGMILE 23005010.07
TIMS NO. G-190
TOD NO.

TS NO. 3866B | DRAWING SG - 03 OF 03 | SHEET NO. 5 OF 6