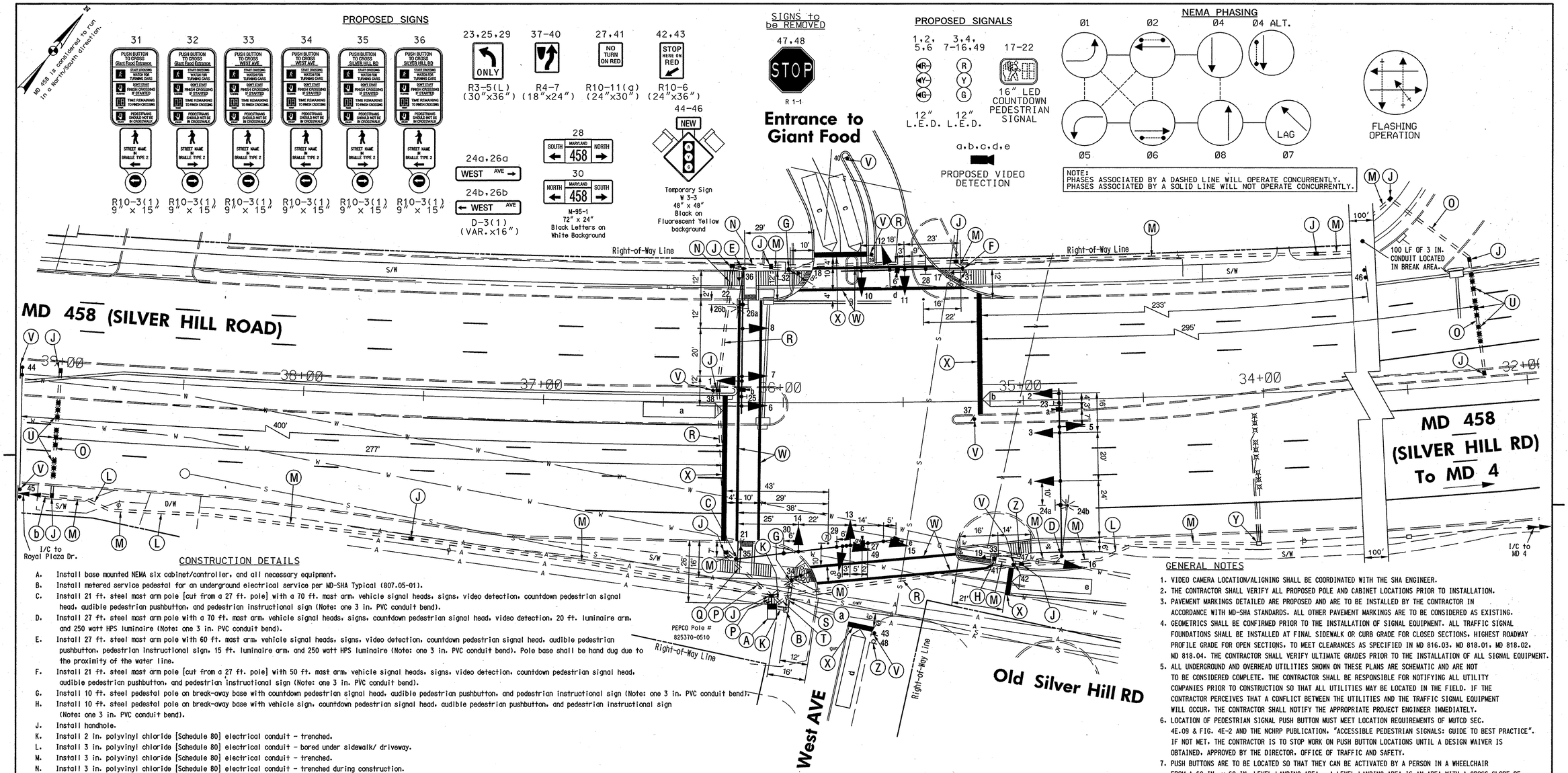

CONSTRUCTION DETAILS

A. Install base mounted NEMA six cabinet/controller, and all necessary equipment.
B. Install metered service pedestal for an underground electrical service per MD-SHA Typical (807.05-01).
C. Install 21 ft. steel mast arm pole [cut from a 27 ft. pole] with a 70 ft. mast arm, vehicle signal heads, signs, video detection, countdown pedestrian signal head, audible pedestrian pushbutton, and pedestrian instructional sign (Note: one 3 in. PVC conduit bend).
D. Install 27 ft. steel mast arm pole with a 70 ft. mast arm, vehicle signal heads, signs, countdown pedestrian signal head, video detection, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
E. Install 27 ft. steel mast arm pole with 60 ft. mast arm, vehicle signal heads, signs, video detection, countdown pedestrian signal head, audible pedestrian pushbutton, pedestrian instructional sign, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend). Pole base shall be hand dug due to the proximity of the water line.
F. Install 21 ft. steel mast arm pole [cut from a 27 ft. pole] with 50 ft. mast arm, vehicle signal heads, signs, video detection, countdown pedestrian signal head, audible pedestrian pushbutton, and pedestrian instructional sign (Note: one 3 in. PVC conduit bend).
G. Install 10 ft. steel pedestal pole on break-away base with countdown pedestrian signal head, audible pedestrian pushbutton, and pedestrian instructional sign (Note: one 3 in. PVC conduit bend).
H. Install 10 ft. steel pedestal pole on break-away base with vehicle sign, countdown pedestrian signal head, audible pedestrian pushbutton, and pedestrian instructional sign (Note: one 3 in. PVC conduit bend).
J. Install handhole.
K. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
L. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored under sidewalk/ driveway.
M. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
N. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.
O. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
P. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
Q. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.
R. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
S. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit for an underground electrical service by PEPCO.
T. Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit for phone service.
U. Install non-invasive micro-loop probe (set of 3).
V. Install ground mounted sign as shown.
W. Install 12 in. wide pavement marking - white for crosswalk.
X. Install 24 in. wide pavement marking - white for stop line.

CONSTRUCTION DETAILS CONT.

Y. Use existing handhole.
Z. Remove existing ground mounted sign as shown.
a. Use existing utility pole. Install 10 ft. U-Guard channel riser for electrical service.
b. Installed as part of the interconnect plan Sheet 3 of 3.

GENERAL 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. LOCATION OF PEDESTRIAN SIGNAL PUSH BUTTON MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 & FIG. 4E-2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSH BUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
7. PUSH BUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60 IN. x 60 IN. LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.

GENERAL NOTES CONTINUED ON SHEET 2

The Traffic Group, Inc.
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BY: JStarck

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

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

APPROVALS		REVISIONS
TEAM LEADER	2/20/08	
ASST. DIV. CHIEF	2/21/08	
DIVISION CHIEF	2/25/08	
OFFICE DIRECTOR	2/28/08	

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

MD 458 (SILVER HILL RD) AT WEST AVE/
ENTRANCE TO GIANT FOOD

TRAFFIC SIGNAL PLAN

SCALE 1" = 20'	DATE January 30, 2008	CONTRACT NO. BW996M82	
DESIGNED BY J. STORCK		COUNTY PRINCE GEORGE'S	
DRAWN BY J. STORCK		LOGMILE 16045802.18	
CHECKED BY		TIMS NO. I373	
F.A.P. NO.		TOD NO.	
TS NO. 4605	DRAWING – OF	SHEET NO. 1 OF 4	