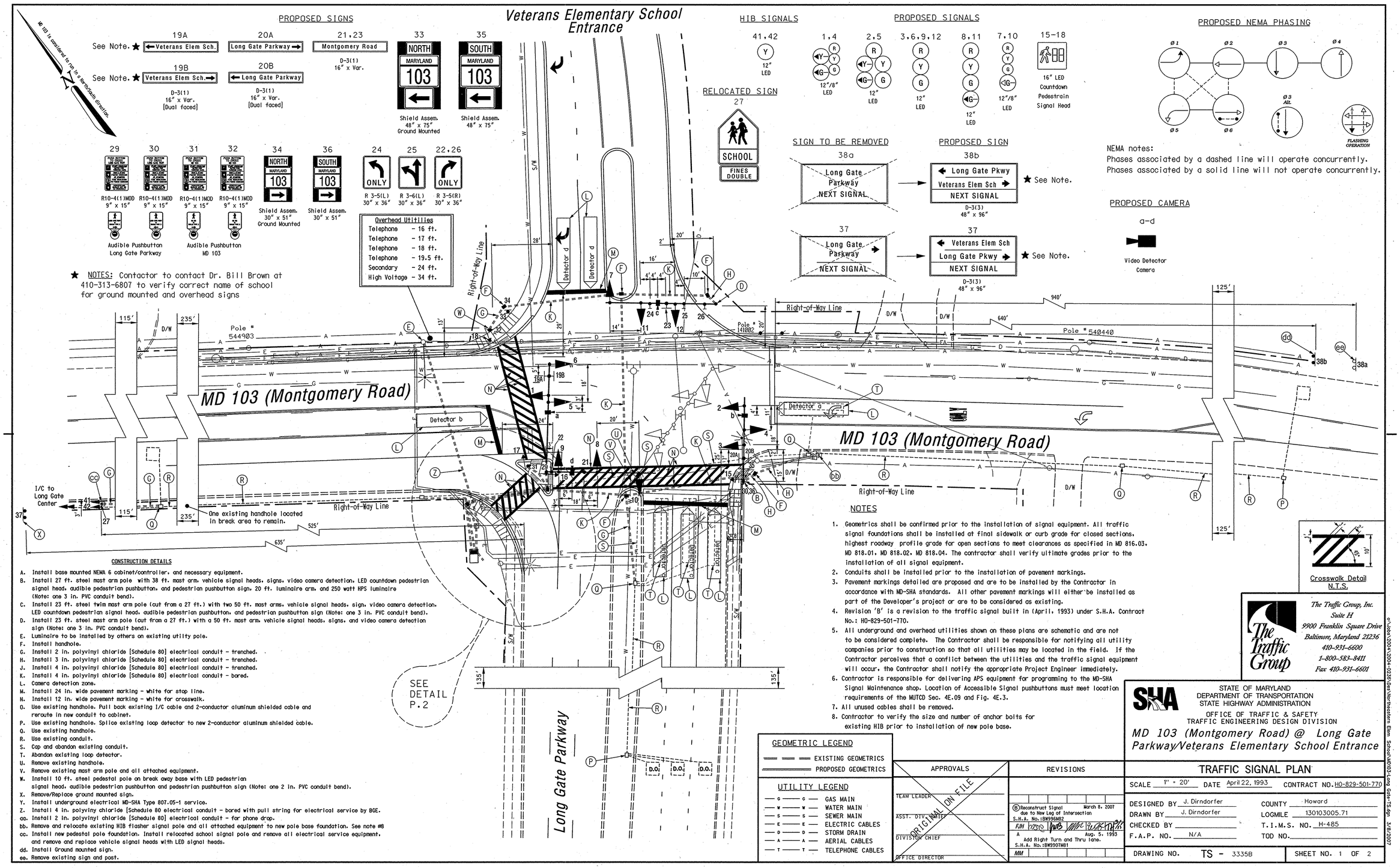

DRILL HOLES

DRILL HOLES

DRILL HOLES

CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment.
B. Install 27 ft. steel mast arm pole with 38 ft. mast arm, vehicle signal heads, signs, video camera detection, LED countdown pedestrian signal head, audible pedestrian pushbutton, and pedestrian pushbutton sign, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
C. Install 23 ft. steel twim mast arm pole (cut from a 27 ft.) with two 50 ft. mast arms, vehicle signal heads, sign, video camera detection, LED countdown pedestrian signal head, audible pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 3 in. PVC conduit bend).
D. Install 23 ft. steel mast arm pole (cut from a 27 ft.) with a 50 ft. mast arm, vehicle signal heads, signs, and video camera detection sign (Note: one 3 in. PVC conduit bend).
E. Luminaire to be installed by others on existing utility pole.
F. Install handhole.
G. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
L. Camera detection zone.
M. Install 24 in. wide pavement marking - white for stop line.
N. Install 12 in. wide pavement marking - white for crosswalk.
O. Use existing handhole. Pull back existing I/C cable and 2-conductor aluminum shielded cable and reroute in new conduit to cabinet.
P. Use existing handhole. Splice existing loop detector to new 2-conductor aluminum shielded cable.
Q. Use existing handhole.
R. Use existing conduit.
S. Cap and abandon existing conduit.
T. Abandon existing loop detector.
U. Remove existing handhole.
V. Remove existing mast arm pole and all attached equipment.
W. Install 10 ft. steel pedestal pole on break away base with LED pedestrian signal head, audible pedestrian pushbutton and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).
X. Remove/Replace ground mounted sign.
Y. Install underground electrical MD-SHA Type 807.05-1 service.
Z. Install 4 in. polyviny chloride [Schedule 80 electrical conduit - bored with pull string for electrical service by BGE.
aa. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - for phone drop.
bb. Remove and relocate existing HIB flasher signal pole and all attached equipment to new pole base foundation. See note #8
cc. Install new pedestal pole foundation. Install relocated school signal pole and remove all electrical service equipment, and remove and replace vehicle signal heads with LED signal heads.
dd. Install Ground mounted sign.
ee. Remove existing sign and post.

NOTES

1. 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.
2. Conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. Revision 'B' is a revision to the traffic signal built in (April, 1993) under S.H.A. Contract No.: HO-829-501-770.
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. Contractor is responsible for delivering APS equipment for programming to the MD-SHA Signal Maintenance shop. Location of Accessible Signal pushbuttons must meet location requirements of the MUTCD Sec. 4E.09 and Fig. 4E.3.
7. All unused cables shall be removed.
8. Contractor to verify the size and number of anchor bolts for existing HIB prior to installation of new pole base.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
D — STORM DRAIN
A — AERIAL CABLES
T — TELEPHONE CABLES

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

REVISIONS	
B Reconstruct Signal due to New Leg of Intersection S.H.A. No.:BW996M82	March 8, 2007
A Add Right Turn and Thru lane. S.H.A. No.:BW9907M81	Aug. 5, 1993

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

MD 103 (Montgomery Road) @ Long Gate Parkway/Veterans Elementary School Entrance

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE April 22, 1993 CONTRACT NO. HO-829-501-770

DESIGNED BY J. Dirndorfer
DRAWN BY J. Dirndorfer
CHECKED BY
F.A.P. NO. N/A
COUNTY Howard
LOGMILE 130103005.71
T.I.M.S. NO. H-485
TOD NO.

DRAWING NO. TS - 3335B
SHEET NO. 1 OF 2

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