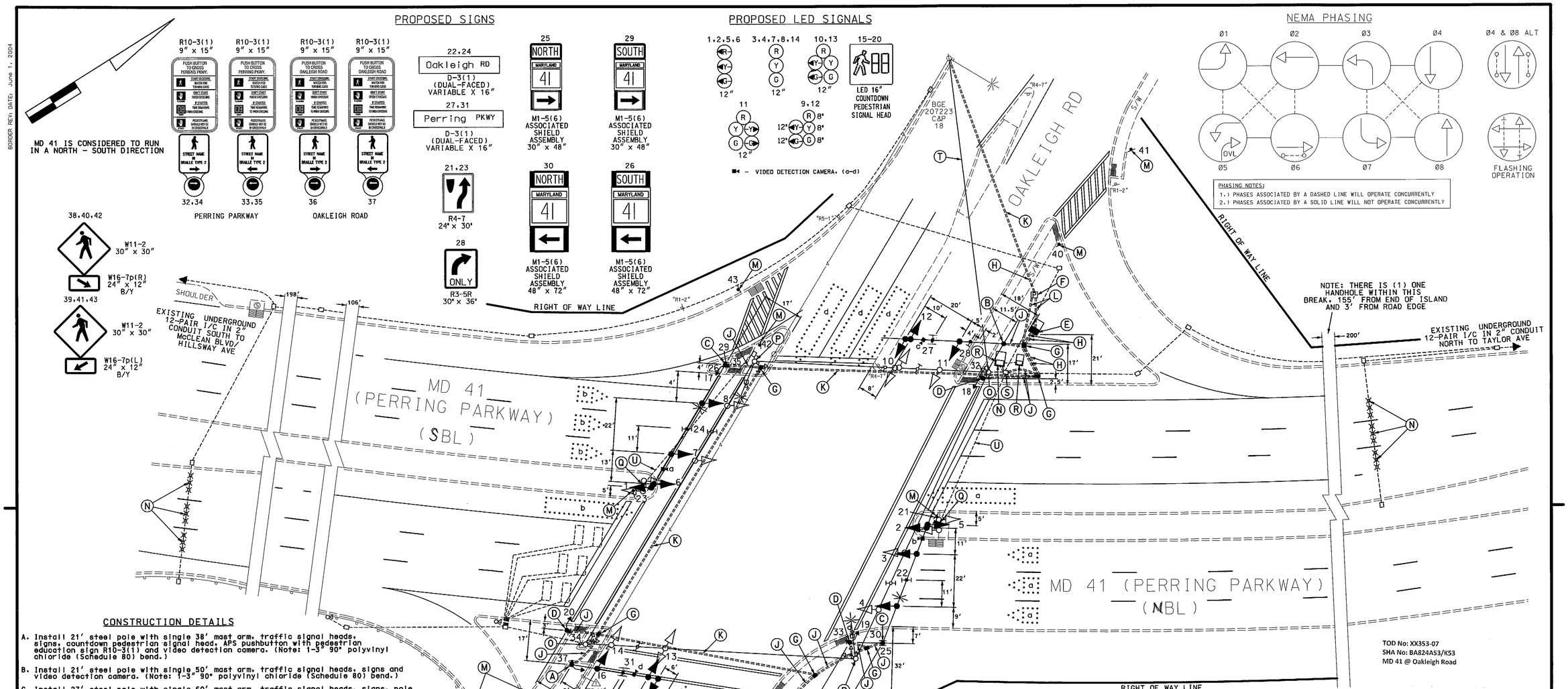
DRILL HOLES

BORDER REV: DATE: June 1, 2004



CONSTRUCTION DETAILS

A. Install 21' steel pole with single 38' mast arm, traffic signal heads, signs, countdown pedestrian signal head, APS pushbutton with pedestrian education sign R10-3(1) and video detection camera. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

B. Install 21' steel pole with single 50' mast arm, traffic signal heads, signs and video detection camera. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

C. Install 27' steel pole with single 60' mast arm, traffic signal heads, signs, pole mounted shield assemblies, 20' lighting arm with 250 watt HPS lamp, luminaire with photocell, and video detection camera. (Note: 1-4" 90° polyvinyl chloride (Schedule 80) bend.)

D. Install 10' (18" breakaway coupling foundation STD No. 801.01-01) pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign (R10-3(1). (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

E. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.

F. Install metered pedestal for electrical utility service equipment.

G. Install handhole.

H. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

J. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).

L. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

M. Install ground mounted sign on 4"x6" wood post as shown.

N. Contractor shall disconnect, pullback and reroute existing interconnect cable along with existing non-invasive micro loop probes from existing cabinet to proposed cabinet as shown. (Note: See wiring diagram for more details.)

O. Contractor shall remove existing strain poles, existing span wire along with signal equipment and foundation 12" below grade and backfill. (Note: Contractor shall return existing video detection cameras to SHA signal shop.)

P. Contractor shall remove existing strain poles, existing span wire along with signal equipment and foundation 12" below grade and backfill.

Q. Contractor shall remove existing pedestal pole along with signal equipment and foundation 12" below grade and backfill.

R. Contractor shall remove existing base mounted cabinet, foundation 12" below grade and backfill. (Note: SHA Forces shall remove the controller and all other auxiliary equipment.)

S. Adjust existing handhole to grade and replace lid with collar.

T. BGE shall remove existing overhead electrical service.

U. Abandon existing conduit.

⚠ OVERHEAD HEIGHTS

TELEPHONE	26'-2"
CATV	27'-4"
SECONDARY	30'-0"
PRIMARY	33'-0"

GENERAL NOTES:

1. All underground 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 perceives 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.
2. 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 MD 816.03, MD 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
4. Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60"x 60" level landing area with a cross slope of less than or equal to 2%.
5. The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.

GENERAL NOTES (CONTINUED)

6. Pushbutton arrows are to be parallel to the crossing for which they are intended.
7. Location of Accessible Pedestrian signal pushbuttons must meet location requirements Of MUTCD Sec. 4E.09 and Fig. 4E.2 and the NCHRP publication, Accessible Pedestrian signals: Guide to Best Practice. If not met, the Contractor is to stop work on pushbutton locations until a design Waiver is obtained, approved by the Director, Office of Traffic and Safety.
8. The contractor shall remove all unused wiring.

GEOMETRIC LEGEND	
PROPOSED	
EXISTING	

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

REVISION "D"

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5533.dgn T-163

APPROVALS

ORIGINAL ON FILE

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

D	RECONSTRUCT SIGNAL WITH APS & CPS SHA NO.: XX5526(6) TIMS NO.: 1919	3-31-10
JWA		
C	LED SIGNAL HEADS AND REPLACE DETECTION SHA NO.: BA3035177	2-22-08
JWA		
B	REVISE ELECTRICAL SERVICE SHA NO.: 855-25032014	5-90
CLS		

PLOTTED: $DATETIME$
FILE: $FILE$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 41 (PERRING PKWY) AND OAKLEIGH ROAD

PARKVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 11-30-72 CONTRACT NO. B-238-476

DESIGNED BY G COOK
DRAWN BY G COOK
CHECKED BY
F.A.P. NO. T-8007 (8)

COUNTY BALTIMORE
LOGMILE 03004100.59
TIMS NO. 1919
TOD NO.

TS NO. 850D | DRAWING NO. 1 OF 2 | SHEET NO. OF

DRILL HOLES

DRILL HOLES

$DATETIME$ $FILE$