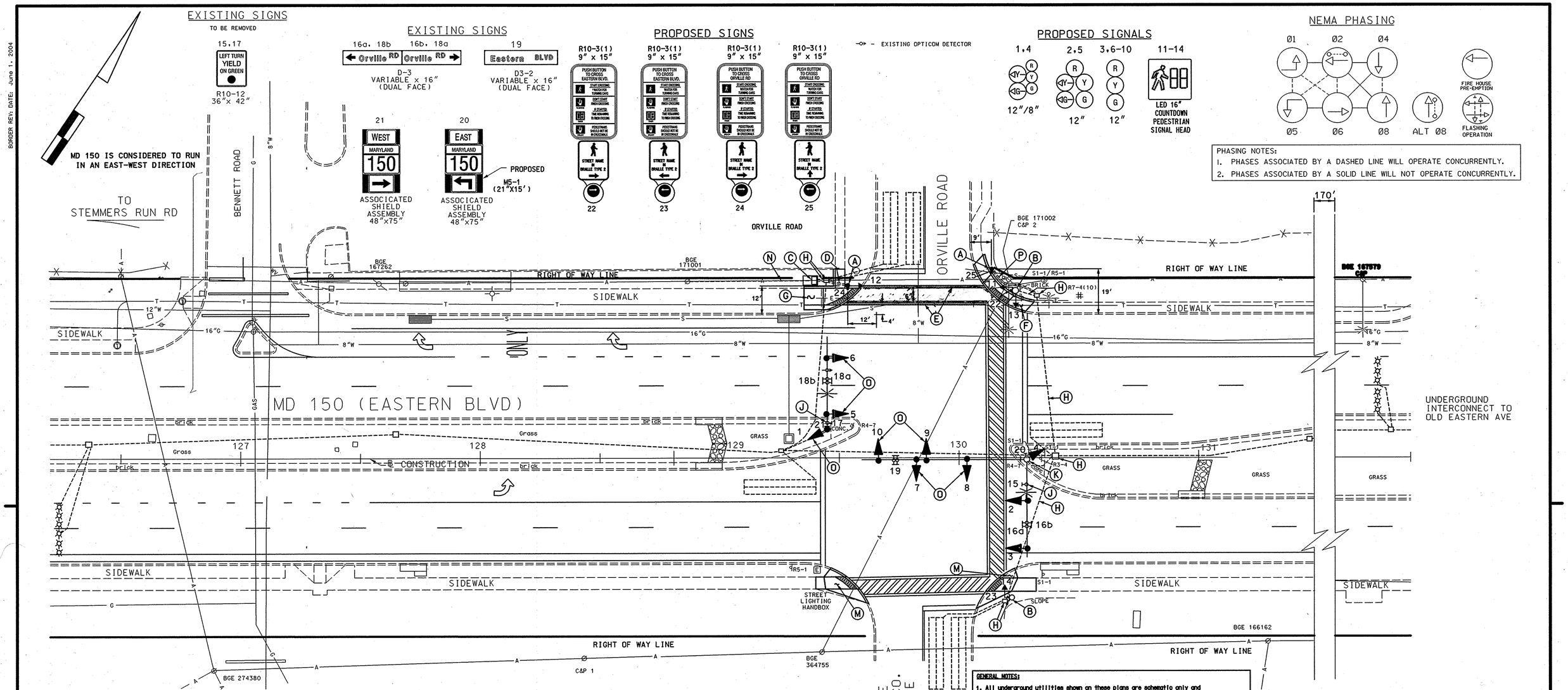


CONSTRUCTION DETAILS

A. Install 10' breakaway pedestal pole. Countdown pedestrian signal head and audible pushbutton with pedestrian education sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Remove existing pedestrian signal head, pushbutton and pedestrian education sign. Install Countdown pedestrian signal head, audible pushbutton and pedestrian education sign as shown.

C. Use base mounted cabinet and controller. (Note: SHA shall install 2-wire Control Unit into cabinet).

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

E. Remove existing crosswalk and install 12" white, heat applied permanent preformed thermoplastic pavement marking (crosswalk).

F. Install proposed parallel handicapped ramp (Std. No. MD 655.12) with detectable warning surface (brick pattern) (Std. No. MD 655.40) as shown. (Note: Flat area shall be 13' wide.)

G. Install proposed handicapped ramp with detectable warning surface (brick pattern) (Std. No. MD 655.40) as shown. See Inset "A".

H. Use existing handhole / conduit.

J. Remove existing sign.

K. Remove existing traffic signal heads and replace with LED traffic signal heads in same location. Also remove existing M6-1 sign and install M5-1 sign.

L. Install proposed perpindicular handicapped ramp (Std. No. MD 655.11) with detectable warning surface (brick pattern) (Std. No. MD 655.40) as shown.

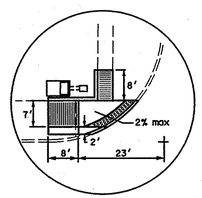
M. Install 4" concrete sidewalk as shown.

N. Existing underground electrical service to be maintained by BGE.

O. Remove and Replace existing signal heads with Proposed LED Signal Heads as shown.

P. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).

INSET "A"
SCALE: 1"=20'



GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE
ELECTRIC
TELEPHONE
GAS
SEWER
WATER
CABLE TV

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 816.01, MD 816.02, and MD 816.04 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 30" 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.
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.

TOD NO: AT782-78
SHA NO:BA563A59/B59
MD150@ORVILLE RD/WEC ENT

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 150 (EASTERN BOULEVARD) AND ORVILLE ROAD / WALLACE ENGINE CO. ENTRANCE

ESSEX, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 09/17/01 CONTRACT NO. BA2405177

DESIGNED BY T. HOLLOWAY
DRAWN BY J.HENDERSON JR.
CHECKED BY
F.A.P. NO.
COUNTY BALTIMORE
LOGMILE 30150005.04
TIMS NO. 1449
TOD NO.

TS NO. 4150B | DRAWING NO. 1 OF 2 | SHEET NO. OF

REVISION "B"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.N.W.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-5637

5391.dgn T-107

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

REVISIONS

B	INSTALL APS / CPS ON NORTH AND EAST LEGS. SHA NO.: AT782585			TIMS: 1449	10/10/07
JWA					
A	INSTALL OPTICOM SHA NO.: XX1065385			TIMS: F487	5/03
C.O.D.	DJD	DAZ			BRK

PLOTTED: $DATETIME$
FILE: $FILE$

DRILL HOLES
DRILL HOLES
DRILL HOLES
BORDER REV: DATE: June 1, 2004

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