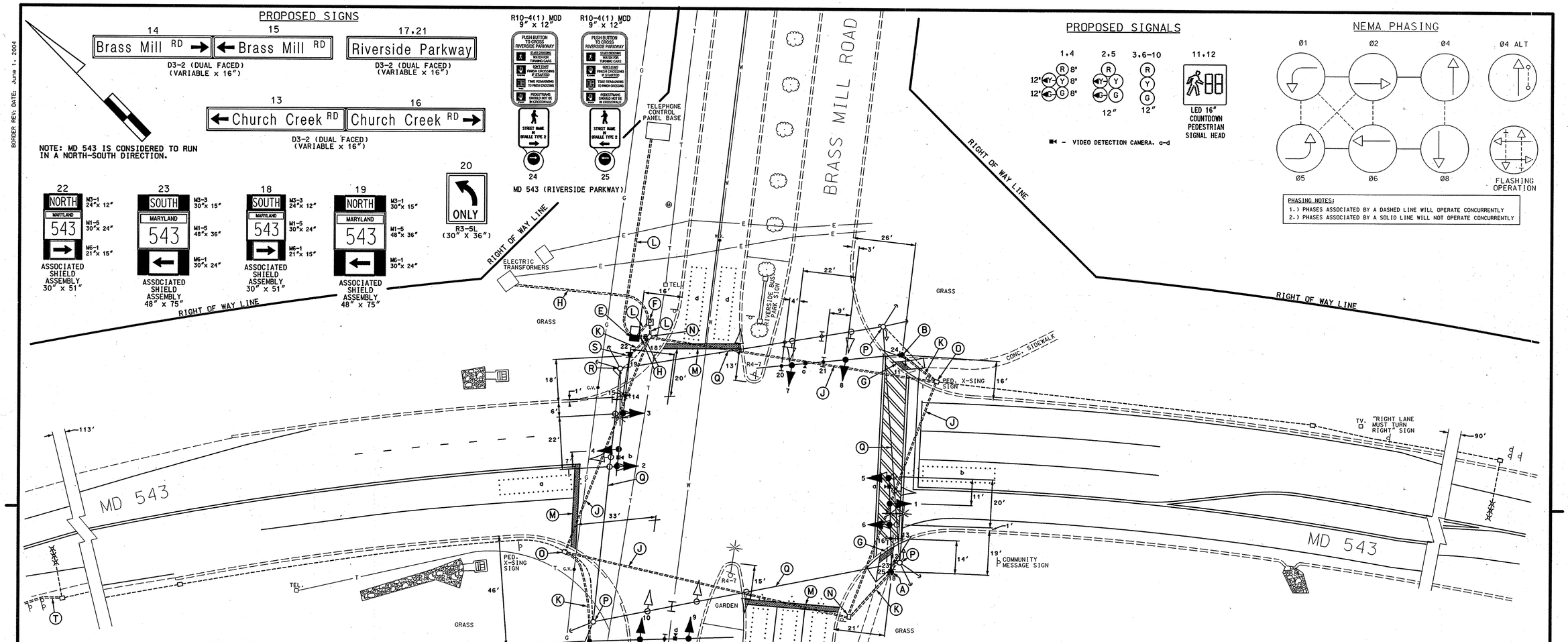

CONSTRUCTION DETAILS

A. Install steel pole with 38' mast arm, traffic signal heads, signs, countdown pedestrian signal head, APS pushbutton with pedestrian education sign, pole mounted shield assemblies, 15' lighting arm with 250 watt HPS luminaire and video detection camera. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

B. Install steel pole with 60' mast arm, traffic signal head, signs, countdown pedestrian signal head, APS pushbutton with pedestrian education sign, and video detection camera. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

C. Install steel pole with 60' mast arm, traffic signal heads, signs, and video detection camera. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

D. Install steel pole with 50' mast arm, traffic signal heads, signs, pole mounted shield assemblies, 15' lighting arm with 250 watt HPS luminaire and video detection camera. (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. Remove existing depressed sidewalk and install perpendicular handicapped ramp (MD Std 655.11) with detectable warning surface (Std MD 655.40).

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

J. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

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

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

M Install 24" white heat applied preformed theromplastic pavement marking. (Stopline)

N. Use existing handhole.

O. Contractor shall disconnect and pull back existing microloop probe to this handhole and reroute through conduit to proposed base mounted cabinet.

P. Contractor shall remove wood pole, back guys, conduit from wood pole and all associated signal equipment.

Q. Contractor shall remove span wire and all associated wiring.

R. Contractor shall remove wood pole, pole mounted cabinet, back guys and all equipment for overhead service.

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 pavement markings detailed are proposed and are to be installed in accordance with SHA standards.

3. 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.

4. The contractor shall remove all unused wiring.

5. Poles are to be located so that they can be activated by a person in a wheelchair from a 60"x 60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.

6. If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necesary a design waiver is obtained.

RIGHT OF WAY LINE

GEOMETRIC LEGEND	
PROPOSED	
EXISTING	

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

TOD NO: AT913-02
SHA No: HA340A51/B51
MD 543: Brass Mill Road to I-95

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 543 AND BRASS MILL RD./ CHURCH CREEK RD.

RIVERSIDE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 4/30/98 CONTRACT NO. AW278A5K/BSK

DESIGNED BY N.LEARY
DRAWN BY S.BLOSS
CHECKED BY
F.A.P. NO.
COUNTY HARFORD
LOGMILE 12054300.71
TIMS NO. H403
TOD NO.

TS NO. 3776 | DRAWING NO. 7 OF 9 | SHEET NO. OF

REVISION "A"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-5537

5111D.dgn T-15

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

REVISIONS	
A	3/26/07 RECONSTRUCT TRAFFIC SIGNAL SHA No: AT9135185 TIMS No.H403 JWA

PLOTTED: &DATETIME&
FILE: &FILE&

DRILL HOLES
DRILL HOLES
DRILL HOLES

BORDER REV: DATE: June 1, 2004

\\SHA\SHA\TSS\TSS\TSS\TSS\TSS\5111D.dgn Mar 12, 2007 02:30:16