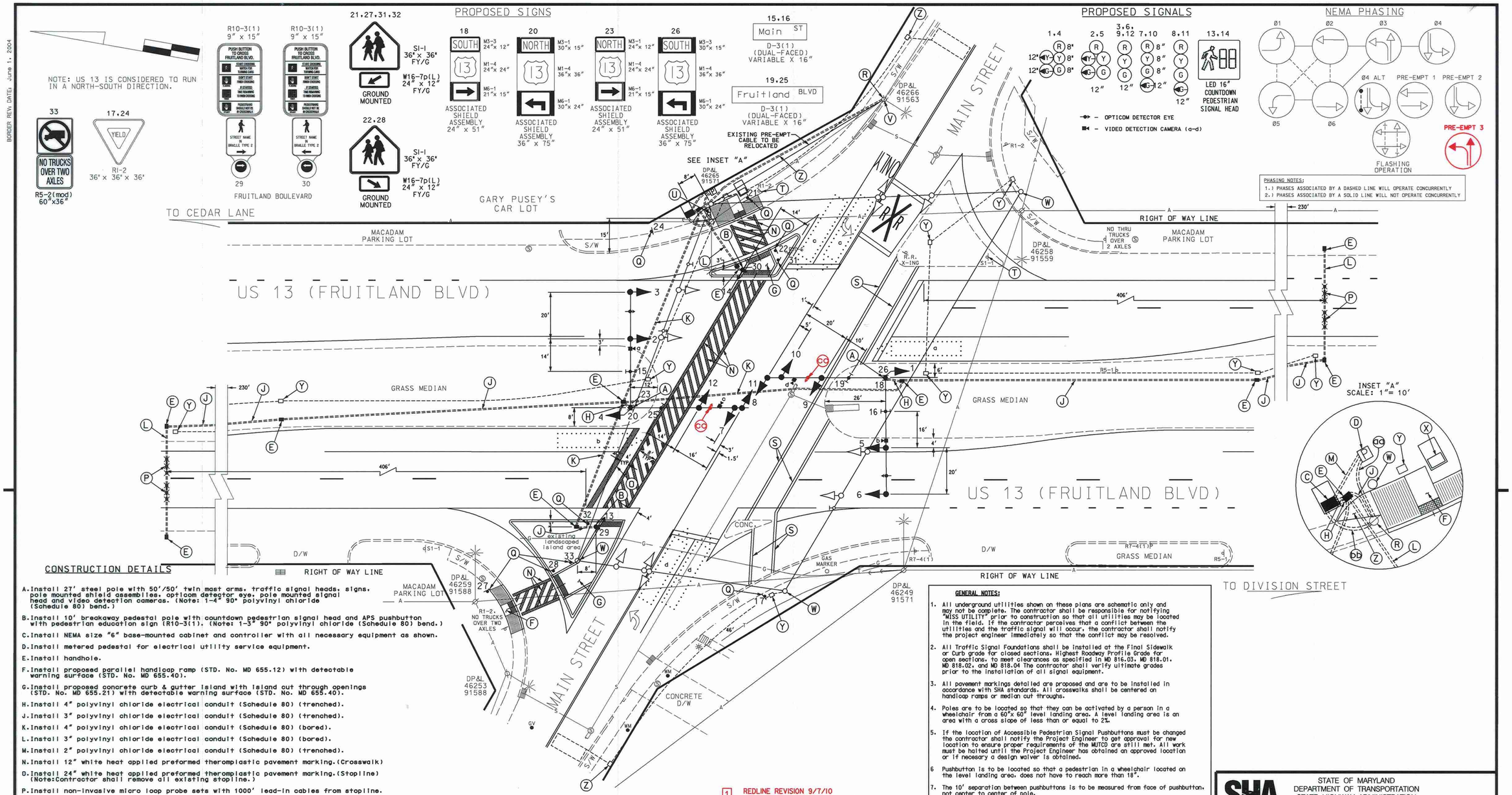

DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: June 1, 2004

CONSTRUCTION DETAILS

A. Install 27' steel pole with 50'/50' twin mast arms, traffic signal heads, signs, pole mounted shield assemblies, optioom detector eye, pole mounted signal head and video detection cameras. (Note: 1-4" 90° polyvinyl chloride (Schedule 80) bend.)

B. Install 10' breakaway 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.)

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

D. Install metered pedestal for electrical utility service equipment.

E. Install handhole.

F. Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40).

G. Install proposed concrete curb & gutter island with island cut through openings (STD. No. MD 655.21) with detectable warning surface (STD. No. MD 655.40).

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

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

N. Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk)

O. Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline) (Note: Contractor shall remove all existing stopline.)

P. Install non-invasive micro loop probe sets with 1000' lead-in cables from stopline.

Q. Install ground mounted sign on 4"x4" wood post as shown.

R. Install 3" polyvinyl chloride electrical conduit (Schedule 80) riser on existing wood pole as shown.

S. Remove existing pavement markings.

T. Remove existing ground mounted sign.

U. Contractor shall disconnect, pullback and reroute existing overhead interconnect cable from existing controller cabinet to DP&L pole 4626591571. (Note: See wiring diagram for more details.)

V. Contractor shall disconnect, pullback existing overhead 7 conductor pre-emption cable from existing cabinet to DP&L pole 4626691563 and reroute through proposed conduit. (Note: See wiring diagram for more details.)

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

X. 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.)

Y. Remove existing handhole and abandon existing loops along with all conduit runs associated with this handhole.

Z. Contractor shall install proposed sidewalk and curb to provide a sidewalk passing zone.

aa. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) stub out at base of utility for electrical service.

bb. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched) stub out at base of utility for phone drop.

cc. Install opticom detector eye on mast arm as shown.

1 REDLINE REVISION 9/7/10

TEDD APPROVAL 9/14/2010

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. 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%.
5. 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.
6. Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
7. The 10' separation between pushbuttons is to be measured from face of pushbutton, not center to center of pole.
8. Pushbutton arrows are to be parallel to the crossing for which they are intended.
9. The contractor shall remove all unused wiring.
10. All handholes for the installation of non-invasive probes shall be placed perpendicular to the roadway.

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

REVISION "C"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

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APPROVALS

TEAM LEADER

ASST. DIV.

DIVISION CHIEF

OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

© 4-15-09
RECONSTRUCT TRAFFIC SIGNAL WITH APS & CPS SHA NO:XX4435185
JWA

B 10/2005 - REMOVED EXISTING PEDESTRIAN SIGNAL EQUIPMENT SHA #UT-2005
WM | J.A.H. | M.A.R. | W.H.

A 03/06/1986 - INSTALL FIRE PRE-EMPTION FOR N/B, MAIN STREET SHA #BSS-25004
J.A.H. | WM | J.A.H. | D.A.S. | R.R.K.

PLOTTED: #DATETIME#
FILE: #FILE#

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

US 13 (BUS.) (FRUITLAND BLVD) AND MAIN STREET

FRUITLAND, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE AUGUST, 1981 CONTRACT NO. WI-599-501-185

DESIGNED BY G.K. COUNTY WICOMICO
DRAWN BY T.A.R. LOGMILE 22B01302.08
CHECKED BY J.W.E. TIMS NO. J120
F.A.P. NO. TOD NO.

TS NO. 1831C | DRAWING NO. 1 OF 2 | SHEET NO. OF