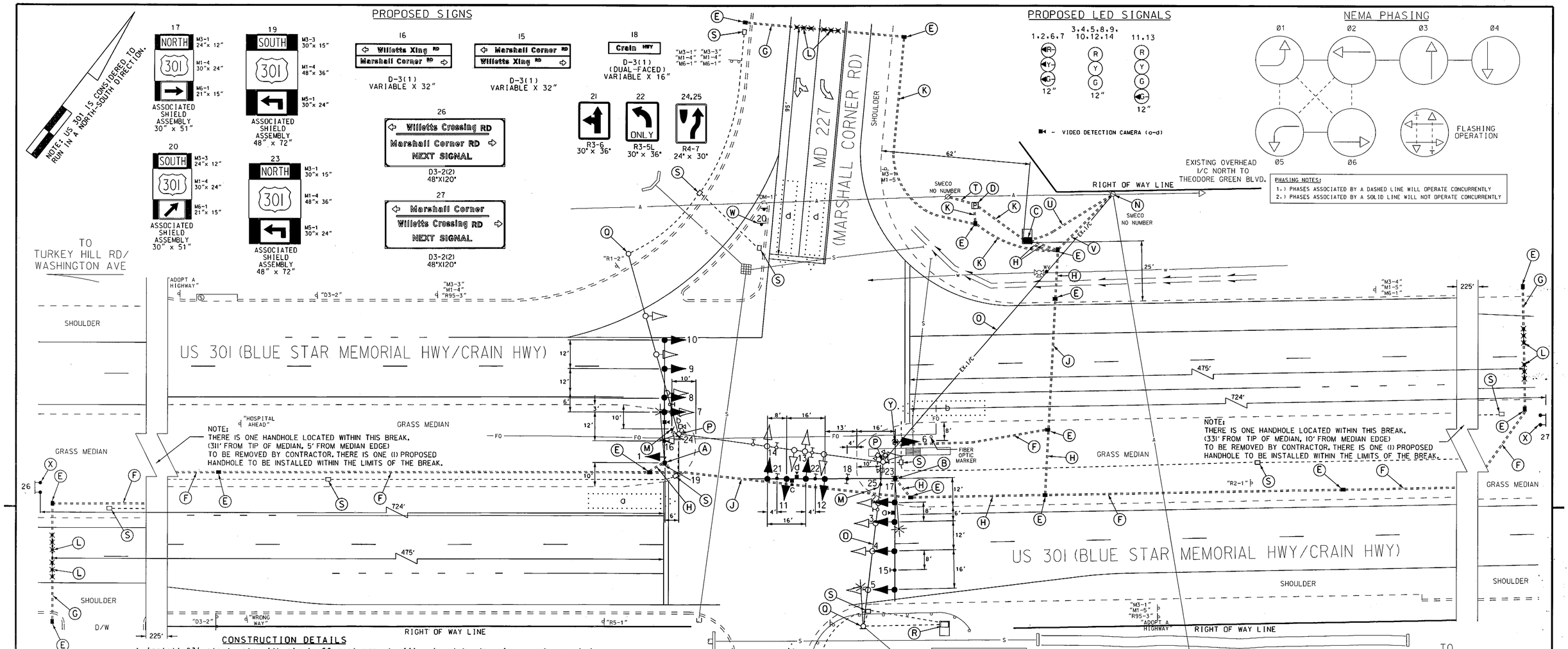

CONSTRUCTION DETAILS

A. Install 27' steel pole with signle 50 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.)

B. Install 27' steel pole with twin 50'/60' mast arms, traffic signal heads, signs, pole mounted shield assemblies, 20' lighting arm with 250 watt HPS lamp, luminaire with photocell and video detection cameras. (Note: 1-4" 90° polyvinyl chloride (Schedule 80) bend.)

C. Install NEMA size "S" 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 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

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

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

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

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

L. Install non-invasive micro loop probe sets with 1000' lead-in cable.

M. Install ground mounted sign on 4"x4" wood post support.

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

O. Contractor shall disconnect and pullback existing interconnect cable out of existing span wire from existing base mounted cabinet to wood pole and terminate.

P. Contractor shall remove existing strain poles, existing span wire along with signal heads and foundation 12" below grade and backfill.(Note: Contractor shall return video detection cameras from strain poles back to SHA Signal Shop.)

Q. Contractor shall remove existing strain poles, existing span wire along with signal heads, 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. Remove existing handhole and abandon all conduit runs associated with this handhole.

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

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

V. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) stub out at base of utility for relocated interconnect cable.

W. Install 4" x 6" wood support with sign as shown.

X. Install 6" x 6" wood supports with sign as shown.

Y. Install 10' breakaway pedestal pole with transformer base and post top mounted signal head (Note: one 3" conduit)

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.

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

REVISIONS
(R) RECONSTRUCT TRAFFIC SIGNAL 3/15/2012
SHA NO.: XX6475185 TIMS #: J412
J.W.A. RJB
G INSTALL EXCLUSIVE LEFT-TURNS 4/22/08
FOR NB AND SB US 301, 3RD SIGNAL HEAD
AND LED SIGNAL HEADS SHA NO.:AT 9365185
J.W.A. HO DBD RB WH TH
F ASBUILT 12/3/97
SHA NO.: BW100W83
RRZ

PLOTTED: $DATETIME$
FILE: $FILE$

TOD NO: XX647-18
SHA NO: CH211853
US 301 @ MD 227

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

US 301 AND MD 227(MARSHAL CORNER RD)/ WILLETTS CROSSING ROAD

LAPLATA, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 7-30-76 CONTRACT NO. CH-492-501-585

DESIGNED BY
DRAWN BY M. KAPLAN
CHECKED BY A. BUDNICHUK
F.A.P. NO.
COUNTY CHARLES
LOGMILE 08022713.96
TIMS NO. N/A
TOD NO.

TS NO. 1443 H | DRAWING NO. 1 OF 2 | SHEET NO. OF