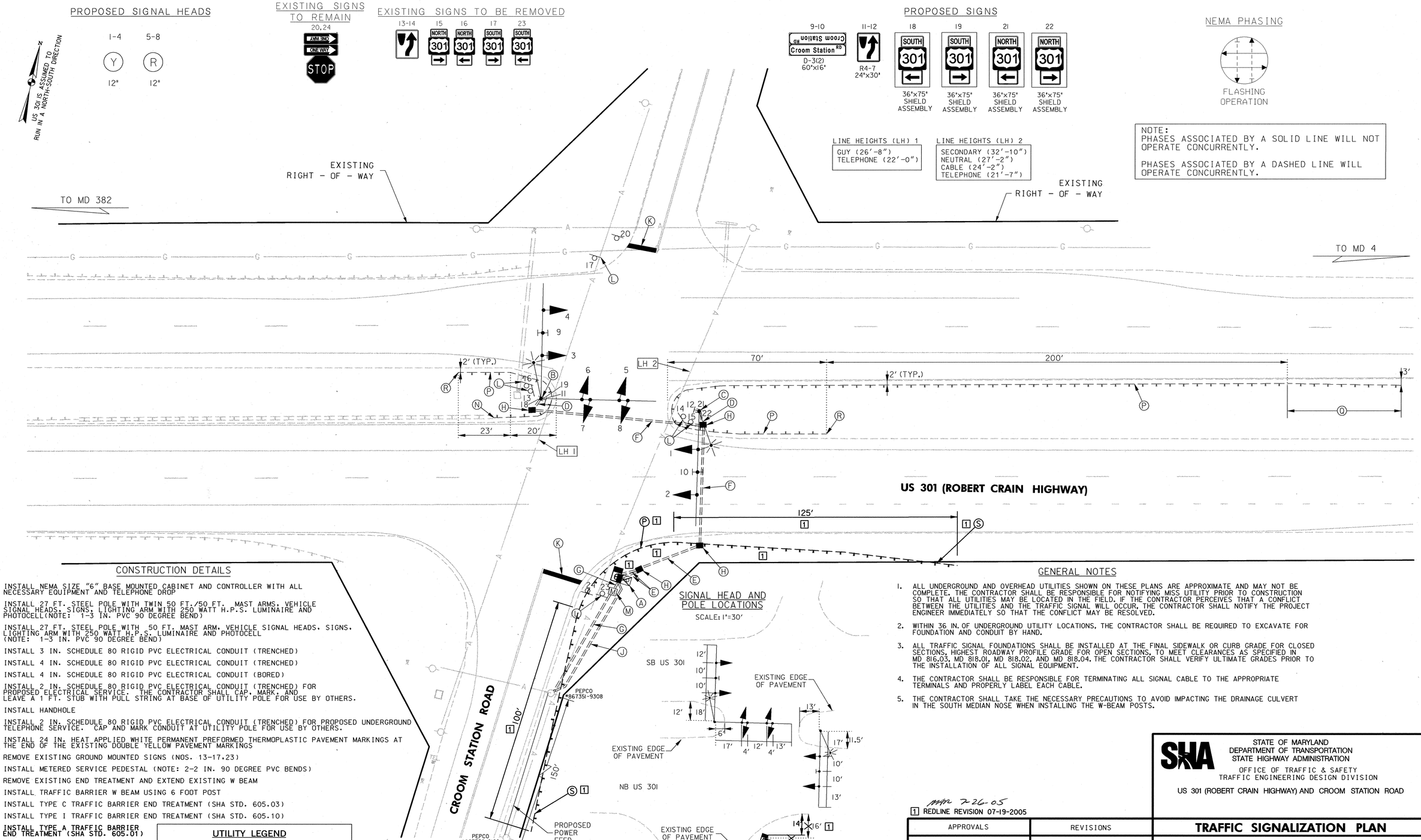

CONSTRUCTION DETAILS

A. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AND TELEPHONE DROP

B. INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT./50 FT. MAST ARMS, VEHICLE SIGNAL HEADS, SIGNS, LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE AND PHOTOCELL(NOTE: 1-3 IN. PVC 90 DEGREE BEND)

C. INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, VEHICLE SIGNAL HEADS, SIGNS, LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE AND PHOTOCELL (NOTE: 1-3 IN. PVC 90 DEGREE BEND)

D. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)

E. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)

F. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)

G. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED ELECTRICAL SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.

H. INSTALL HANDHOLE

J. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY OTHERS.

K. INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS AT THE END OF THE EXISTING DOUBLE YELLOW PAVEMENT MARKINGS

L. REMOVE EXISTING GROUND MOUNTED SIGNS (NOS. 13-17,23)

M. INSTALL METERED SERVICE PEDESTAL (NOTE: 2-2 IN. 90 DEGREE PVC BENDS)

N. REMOVE EXISTING END TREATMENT AND EXTEND EXISTING W BEAM

P. INSTALL TRAFFIC BARRIER W BEAM USING 6 FOOT POST

Q. INSTALL TYPE C TRAFFIC BARRIER END TREATMENT (SHA STD. 605.03)

R. INSTALL TYPE I TRAFFIC BARRIER END TREATMENT (SHA STD. 605.10)

1 S. INSTALL TYPE A TRAFFIC BARRIER END TREATMENT (SHA STD. 605.01)

UTILITY LEGEND

—SD—SD—	STORM DRAIN
—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—A—A—	AERIAL CABLES
—T—T—	TELEPHONE CABLES
—F—F—	FIBER-OPTIC CABLES

GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE 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. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
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 BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO AVOID IMPACTING THE DRAINAGE CULVERT IN THE SOUTH MEDIAN NOSE WHEN INSTALLING THE W-BEAM POSTS.

MAR 7-26-05

1 REDLINE REVISION 07-19-2005

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 301 (ROBERT CRAIN HIGHWAY) AND CROOM STATION ROAD

TRAFFIC SIGNALIZATION PLAN

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

SCALE 1"=20' DATE 3/2005 CONTRACT NO. AT7185185

DESIGNED BY MRK COUNTY PRINCE GEORGE'S
DRAWN BY MRK LOGMILE 16030112.34
CHECKED BY BAB T.I.M.S. NO. G540
F.A.P. NO. TOD NO.

DRAWING NO. TS-4365 SHEET NO. 1 OF 2

PLOTTED: 07/20/2005 09:50:11 AM
FILE: I:\PROJECTS\11103\45\0540GP01.DGN

STV Incorporated
engineers/architects/planners/scientists/construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

BY: THOMPSMA

DRILL HOLES
DRILL HOLES
DRILL HOLES

BORDER REV: DATE: June 1, 2004