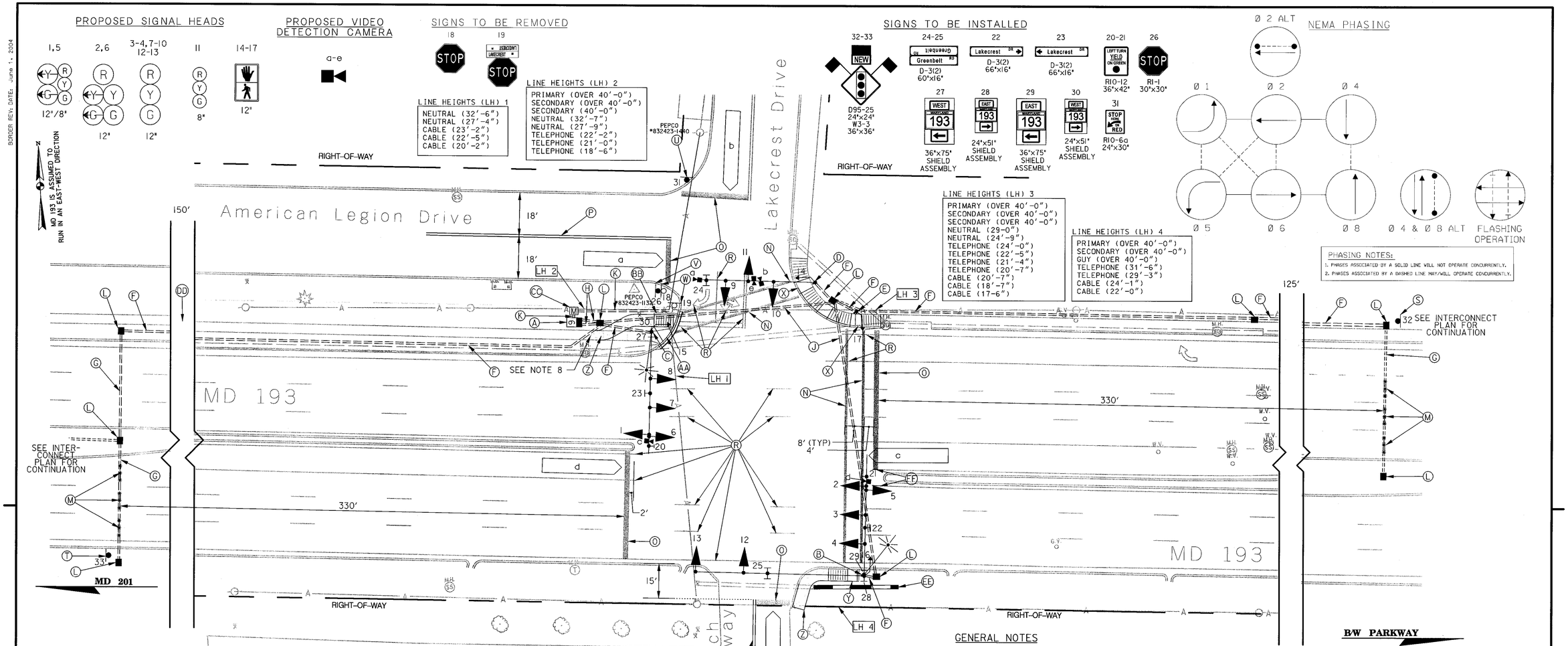

CONSTRUCTION DETAILS

A. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER, WITH ALL NECESSARY EQUIPMENT, AND 2 - WIRE NAVIGATOR CENTRAL CONTROL UNIT.

B. INSTALL 27 FT. STEEL POLE WITH TWIN 70 FT./50 FT. MAST ARMS, VEHICLE AND PEDESTRIAN SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, 2 - WIRE NAVIGATOR PUSH BUTTON STATION, AND A 15-FT LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE WITH PHOTOCELL. (THE 70 FT. ARM IS FOR THE SOUTHBOUND APPROACH) (NOTE: 1-3 IN. PVC 90 DEGREE BEND)

C. INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, VEHICLE AND PEDESTRIAN SIGNAL HEAD(S), VIDEO DETECTION CAMERAS, SIGNS, 2 - WIRE NAVIGATOR PUSH BUTTON STATION, AND A 15-FT LIGHTING ARM WITH 250 WATT H.P.S. LUMINAIRE WITH PHOTOCELL. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)

D. INSTALL 27 FT. STEEL POLE WITH 50 FT. MAST ARM, VEHICLE AND PEDESTRIAN SIGNAL HEAD(S), VIDEO DETECTION CAMERAS, SIGNS, AND 2 - WIRE NAVIGATOR PUSH BUTTON STATION. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)

E. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, SIGNS, AND 2 - WIRE NAVIGATOR PUSH BUTTON STATION. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)

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

G. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)

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

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

K. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR UNDERGROUND POWER SERVICE (TO BE INSTALLED BY PEPCO)

L. INSTALL HANDHOLE

M. INSTALL NON-INVASIVE MICROLOOP PROBE SET

N. INSTALL 12 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK LINES

O. INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINES

P. INSTALL 100 FT. OF 5 IN. HEAT APPLIED DOUBLE YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS

Q. INSTALL 25 FT. OF 5 IN. HEAT APPLIED DOUBLE YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS

R. REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS AND SYMBOLS

S. INSTALL GROUND MOUNTED SIGN (NO. 32) 550 FEET EAST OF THE STOP LINE ON ONE 4 IN. X 6 IN. WOOD SIGN POST. SHA DISTRICT FORCES WILL REMOVE SIGN THREE MONTHS AFTER INSTALLATION

T. INSTALL GROUND MOUNTED SIGN (NO. 33) 550 FEET WEST OF THE STOP LINE ON ONE 4 IN. X 6 IN. WOOD SIGN POST. SHA DISTRICT FORCES WILL REMOVE SIGN THREE MONTHS AFTER INSTALLATION.

U. INSTALL GROUND MOUNTED SIGN (NO. 31) ON ONE 4 IN. X 4 IN. WOOD SIGN POST

V. INSTALL GROUND MOUNTED SIGN (NO. 26) ON ONE 4 IN. X 4 IN. WOOD SIGN POST

W. REMOVE EXISTING GROUND MOUNTED SIGNS (NO. 18 AND NO. 19)

X. CONSTRUCT SHA STD. 655.12 HANDICAP RAMP (4 FT. LANDING/8 FT. FLARE)

Y. CONSTRUCT SHA STD. 655.12 HANDICAP RAMP. (4 FT. LANDING/8 FT. FLARE) CONSTRUCT ONLY PORTION OF SIDEWALK RAMP SHOWN. CONSTRUCT STANDARD RAMP SHOWN. CONSTRUCT STANDARD TYPE A CURB ONLY (SHA STD. 620.02) IN LIEU OF OTHER FLARE

Z. CONSTRUCT 4 IN. CONCRETE SIDEWALK

AA. REMOVE EXISTING SIDEWALK AT NEAREST JOINT. REMOVE EXISTING RAMP AND CONSTRUCT TYPE A COMBINATION CURB AND GUTTER (SHA STD. 620.02)

BB. CONSTRUCT SHA STD. 655.11 HANDICAP RAMP. CONSTRUCT ONLY PORTION OF SIDEWALK RAMP SHOWN. CONSTRUCT STANDARD RAMP SHOWN. CONSTRUCT STANDARD TYPE A CURB ONLY (SHA STD. 620.02) IN LIEU OF OTHER FLARE

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

DD. INSTALL HANDHOLE 181 FT. EAST OF THE STOP LINE

EE. CULVERT TO BE EXTENDED AND DITCH TO BE FILLED BY OTHERS

FF. INSTALL 5 IN. HEAT APPLIED YELLOW PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING

GENERAL NOTES

1. THE CONTRACTOR SHALL PURCHASE AND DELIVER 2 - WIRE NAVIGATOR PUSH BUTTON STATIONS AND 2 - WIRE NAVIGATOR CENTRAL CONTROL UNIT TO SHA SIGNAL SHOP AT 7491 CONNELLEY DRIVE, HANOVER, MD 21076 TO TEST THE UNITS AND RECORD AUDIBLE MESSAGE. THE CONTRACTOR SHALL CONTACT MR. ED RODENHIZER AT (410) 787-7652 AT LEAST THREE (3) DAYS IN ADVANCE OF DELIVERY.
2. 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.
3. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
4. THE CONTRACTOR SHALL CENTER THE PROPOSED CROSSWALKS ON NEWLY CONSTRUCTED RAMPS.
5. 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.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE, EXCLUDING INTERCONNECT, TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE. THE CONTRACTOR SHALL NOTIFY THE SIGNAL SHOP 72 HOURS PRIOR TO CONSTRUCTION TO COORDINATE THE CONNECTION OF THE INTERCONNECT CABLE.
7. PLACE 24 IN. WIDE DETECTABLE WARNING MAT SURFACE ALONG THE FULLY DEPRESSED PORTION OF ALL NEW RAMPS. THE MAT SHALL NOT EXTEND ONTO SIDE FLARES.
8. SEE SHEET 2 FOR SIGNAL HEAD, CAMERA, OVERHEAD SIGN, AND POLE LOCATIONS
9. SEE SHEET 4 FOR NAVIGATOR PUSH BUTTON STATION DIRECTIONS.
10. THE CONTRACTOR SHALL TAPER PROPOSED SIDEWALK INTO EXISTING SIDEWALK (LESS THAN 5 FT. IN WIDTH) AT A MAXIMUM HORIZONTAL RATE OF 2:1.

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

APPROVALS	REVISIONS
TEAM LEADER 9-23-04	
ASST. DIV. CHIEF 11/22/04	
DIVISION CHIEF 11.22.04	
OFFICE DIRECTOR for 11.22.04	

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

MD 193 (GREENBELT ROAD) AT LAKECREST DRIVE
TRAFFIC SIGNALIZATION PLAN

SCHEME: PG101A581808 TOD#: AT3565-20

SCALE 1" = 20' DATE 11/2004 CONTRACT NO. AT3565185

DESIGNED BY MRK
DRAWN BY MRK
CHECKED BY BAB
F.A.P. NO.
COUNTY PRINCE GEORGE'S
LOGMILE 16019306.56
T.I.M.S. NO. G528
TOD NO. TS-4363

DRAWING NO.
SHEET NO. 1 OF 4

PLOTTED: 11/18/2004 08:25:21 AM
FILE: I:\PROJECTS\11103\26\G528GP01.DGN