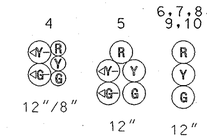
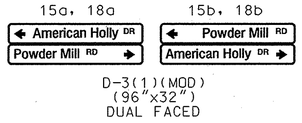
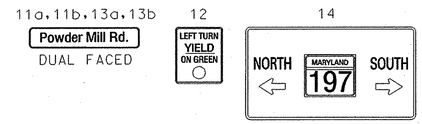
PROPOSED LED SIGNALS



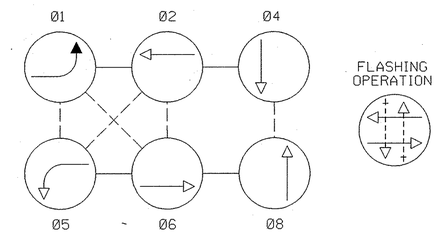
PROPOSED SIGNS



EXISTING SIGNS TO BE REMOVED

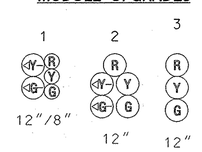


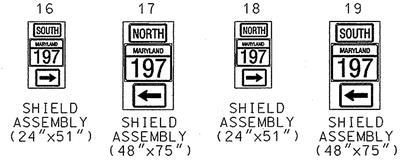
NEMA PHASING



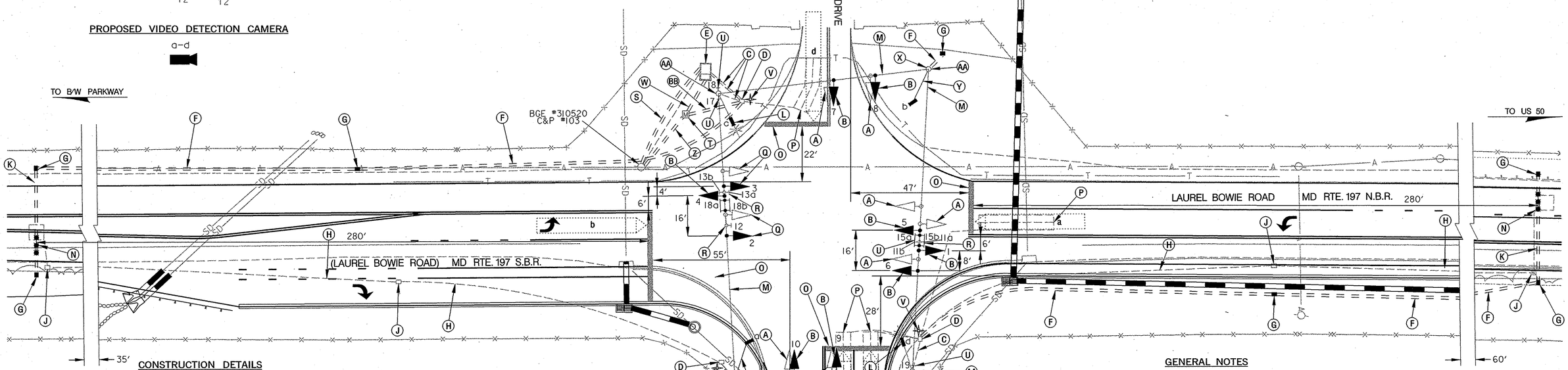
NOTE:
PHASES ASSOCIATED BY A DASHED LINE MAY/ WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROPOSED LED SIGNAL MODULE UPGRADES





PROPOSED VIDEO DETECTION CAMERA



CONSTRUCTION DETAILS

A. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL HEADS
B. INSTALL NEW VEHICULAR LED TRAFFIC SIGNAL HEADS
C. USE EXISTING CONDUIT
D. USE EXISTING HANDHOLE
E. USE EXISTING BASE MOUNTED CABINET. REMOVE AND CAP EXISTING ELECTRICAL SERVICE EQUIPMENT.
F. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
G. INSTALL ELECTRICAL HANDHOLE
H. EXISTING CONDUIT TO BE REMOVED AND CAPPED AT PROPOSED CURBLINE UNDER CLASS 1 EXCAVATION
J. EXISTING HANDHOLE TO BE REMOVED UNDER CLASS 1 EXCAVATION
K. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (SLOTTED)
L. INSTALL VIDEO DETECTION CAMERA ON EXISTING LIGHTING ARM
M. USE EXISTING SPAN WIRE
N. INSTALL NON-INVASIVE MICROLOOP PROBE SET
O. INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE
P. ABANDON EXISTING LOOP DETECTOR
Q. SHIFT EXISTING VEHICULAR SIGNAL HEADS AS SHOWN ON PLAN AND UPGRADE TO LED SIGNAL HEAD MODULES
R. REMOVE EXISTING OVERHEAD SIGN
S. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. UTILIZE EXISTING EMPTY 2 IN. CONDUIT BEND IN CABINET. CAP AND MARK CONDUIT AT UTILITY POLE FOR USE BY OTHERS.
T. INSTALL 200 AMP METERED SERVICE PEDESTAL (NOTE: 3-2 IN. 90 DEGREE PVC BENDS)
U. INSTALL PROPOSED OVERHEAD SIGN
V. INSTALL GROUND ROD IN EXISTING ELECTRICAL HANDHOLE
W. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) WITH 1-2 IN. PVC 90 DEGREE BEND IN EXISTING BASE MOUNTED CABINET FOUNDATION
X. INSTALL 1-3 IN. PVC 90 DEGREE BEND IN EXISTING STRAIN POLE FOUNDATION
Y. INSTALL 20 FT. LIGHTING ARM WITH VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE.
Z. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR UNDERGROUND POWER SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULLSTRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
AA. USE EXISTING STRAIN POLE
BB. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)

GENERAL NOTES

1. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS. OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE TRAFFIC SIGNAL MODIFICATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLE.
4. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.

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

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

BY: WEAVERCC

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

MD 197 (LAUREL BOWIE ROAD) AT POWDER MILL ROAD

TRAFFIC SIGNALIZATION PLAN

SCALE 1"=20' DATE 2/1/89 CONTRACT NO. PG6325187

DESIGNED BY
DRAWN BY WJ NIES
CHECKED BY RR ZACHERL
F.A.P. NO.
COUNTY PRINCE GEORGE'S
LOGMILE 16019710.40
T.I.M.S. NO. H924
TOD NO.

DRAWING NO. TS-2563 D OF SHEET NO. 18 OF 19

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

D ADD SOUTHBOUND LEFT TURN PHASE TO MD 197 SHA NO. PG6325187 — 6/2006
STV SDV DJR WJ RRZ 7/18/06
C ADDED 5 PHASE LEFT TURN SIGNAL FOR NB MD 197 (AM SIGNAL OPERATION ONLY) SHA. NO. AT3575185 — 6/1/04
RRZ
B ASBUILT SHA. NO. BM956M82 — 1/29/98
RRZ

PLOTTED: Thursday, June 29, 2006 AT 01:39 PM
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