F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET	383	465

CONSTRUCTION DETAILS

PHASE II

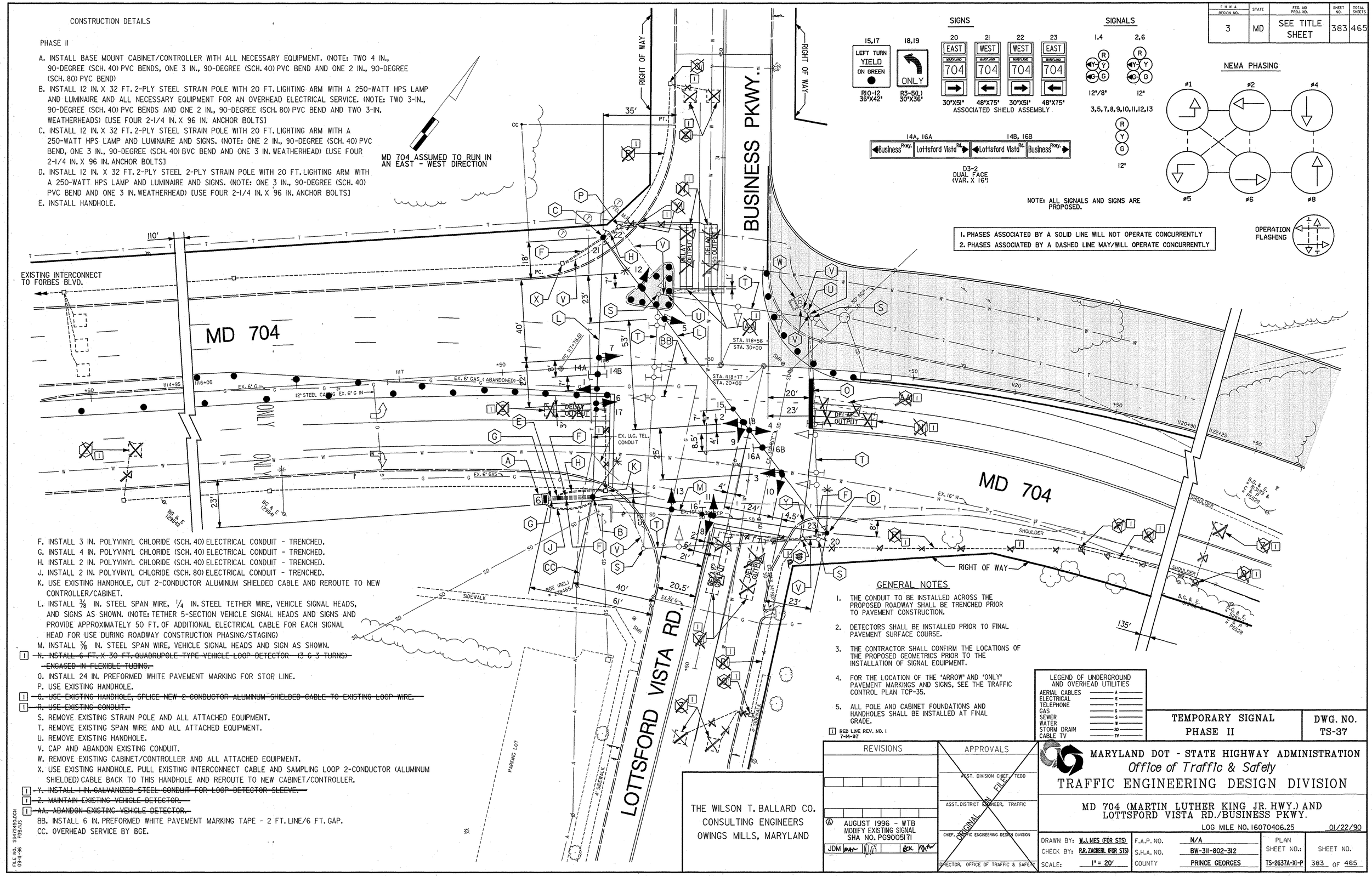
A. INSTALL BASE MOUNT CABINET/CONTROLLER WITH ALL NECESSARY EQUIPMENT. (NOTE: TWO 4 IN., 90-DEGREE (SCH. 40) PVC BENDS, ONE 3 IN., 90-DEGREE (SCH. 40) PVC BEND AND ONE 2 IN., 90-DEGREE (SCH. 80) PVC BEND)

B. INSTALL 12 IN. X 32 FT. 2-PLY STEEL STRAIN POLE WITH 20 FT. LIGHTING ARM WITH A 250-WATT HPS LAMP AND LUMINAIRE AND ALL NECESSARY EQUIPMENT FOR AN OVERHEAD ELECTRICAL SERVICE. (NOTE: TWO 3-IN., 90-DEGREE (SCH. 40) PVC BENDS AND ONE 2 IN., 90-DEGREE (SCH. 80) PVC BEND AND TWO 3-IN. WEATHERHEADS) [USE FOUR 2-1/4 IN. X 96 IN. ANCHOR BOLTS]

C. INSTALL 12 IN. X 32 FT. 2-PLY STEEL STRAIN POLE WITH 20 FT. LIGHTING ARM WITH A 250-WATT HPS LAMP AND LUMINAIRE AND SIGNS. (NOTE: ONE 2 IN., 90-DEGREE (SCH. 40) PVC BEND, ONE 3 IN., 90-DEGREE (SCH. 40) BVC BEND AND ONE 3 IN. WEATHERHEAD) [USE FOUR 2-1/4 IN. X 96 IN. ANCHOR BOLTS]

D. INSTALL 12 IN. X 32 FT. 2-PLY STEEL 2-PLY STRAIN POLE WITH 20 FT. LIGHTING ARM WITH A 250-WATT HPS LAMP AND LUMINAIRE AND SIGNS. (NOTE: ONE 3 IN., 90-DEGREE (SCH. 40) PVC BEND AND ONE 3 IN. WEATHERHEAD) [USE FOUR 2-1/4 IN. X 96 IN. ANCHOR BOLTS]

E. INSTALL HANDHOLE.



NOTE: ALL SIGNALS AND SIGNS ARE PROPOSED.

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY

F. INSTALL 3 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT - TRENCHED.
G. INSTALL 4 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT - TRENCHED.
H. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT - TRENCHED.
J. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - TRENCHED.
K. USE EXISTING HANDHOLE, CUT 2-CONDUCTOR ALUMINUM SHIELDED CABLE AND REROUTE TO NEW CONTROLLER/CABINET.
L. INSTALL 3/8 IN. STEEL SPAN WIRE, 1/4 IN. STEEL TETHER WIRE, VEHICLE SIGNAL HEADS, AND SIGNS AS SHOWN. (NOTE: TETHER 5-SECTION VEHICLE SIGNAL HEADS AND SIGNS AND PROVIDE APPROXIMATELY 50 FT. OF ADDITIONAL ELECTRICAL CABLE FOR EACH SIGNAL HEAD FOR USE DURING ROADWAY CONSTRUCTION PHASING/STAGING)
M. INSTALL 3/8 IN. STEEL SPAN WIRE, VEHICLE SIGNAL HEADS AND SIGN AS SHOWN.
[1] ~~N. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.~~
O. INSTALL 24 IN. PREFORMED WHITE PAVEMENT MARKING FOR STOP LINE.
P. USE EXISTING HANDHOLE.
[1] ~~Q. USE EXISTING HANDHOLE, SPLICE NEW 2-CONDUCTOR ALUMINUM SHIELDED CABLE TO EXISTING LOOP WIRE.~~
[1] ~~R. USE EXISTING CONDUIT.~~
S. REMOVE EXISTING STRAIN POLE AND ALL ATTACHED EQUIPMENT.
T. REMOVE EXISTING SPAN WIRE AND ALL ATTACHED EQUIPMENT.
U. REMOVE EXISTING HANDHOLE.
V. CAP AND ABANDON EXISTING CONDUIT.
W. REMOVE EXISTING CABINET/CONTROLLER AND ALL ATTACHED EQUIPMENT.
X. USE EXISTING HANDHOLE. PULL EXISTING INTERCONNECT CABLE AND SAMPLING LOOP 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE BACK TO THIS HANDHOLE AND REROUTE TO NEW CABINET/CONTROLLER.
[1] ~~Y. INSTALL 1 IN. GALVANIZED STEEL CONDUIT FOR LOOP DETECTOR SLEEVE.~~
[1] ~~Z. MAINTAIN EXISTING VEHICLE DETECTOR.~~
[1] ~~AA. ABANDON EXISTING VEHICLE DETECTOR.~~
BB. INSTALL 6 IN. PREFORMED WHITE PAVEMENT MARKING TAPE - 2 FT. LINE/6 FT. GAP.
CC. OVERHEAD SERVICE BY BGE.

GENERAL NOTES

1. THE CONDUIT TO BE INSTALLED ACROSS THE PROPOSED ROADWAY SHALL BE TRENCHED PRIOR TO PAVEMENT CONSTRUCTION.
2. DETECTORS SHALL BE INSTALLED PRIOR TO FINAL PAVEMENT SURFACE COURSE.
3. THE CONTRACTOR SHALL CONFIRM THE LOCATIONS OF THE PROPOSED GEOMETRICS PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
4. FOR THE LOCATION OF THE "ARROW" AND "ONLY" PAVEMENT MARKINGS AND SIGNS, SEE THE TRAFFIC CONTROL PLAN TCP-35.
5. ALL POLE AND CABINET FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.

[1] RED LINE REV. NO. 1 7-14-97

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLES	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
STORM DRAIN	SD
CABLE TV	TV

TEMPORARY SIGNAL PHASE II

DWG. NO. TS-37

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

REVISIONS

[A] AUGUST 1996 - WTB
MODIFY EXISTING SIGNAL
SHA NO. PG9005171

JDM

APPROVALS

ASST. DIVISION CHIEF, TEDD

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 704 (MARTIN LUTHER KING JR. HWY.) AND LOTTSFORD VISTA RD./BUSINESS PKWY.

LOG MILE NO. 16070406.25 — 01/22/90

DRAWN BY: W.J. NIES (FOR STS)	F.A.P. NO.	N/A	PLAN SHEET NO.:	SHEET NO.
CHECK BY: R.R. ZACHERL (FOR STS)	S.H.A. NO.	BW-311-802-312	TS-2637A-XI-P	383 OF 465
SCALE: 1" = 20'	COUNTY	PRINCE GEORGES		

FILE NO. S5475450.DGN
09-11-96 FYB/STS