F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET	385	465

CONSTRUCTION DETAILS

PHASE III & IV

A. EXISTING CABINET/CONTROLLER ARE TO BE UTILIZED.

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 POLE MOUNTED VEHICLE SIGNAL HEAD. (NOTE: ONE 3 IN., 90-DEGREE (SCH. 40) PVC BEND AND ONE 3 IN. WEATHERHEAD). [USE FOUR 2-1/4 IN. X 91 IN. ANCHOR BOLTS].

C. INSTALL HANDHOLE.

D. INSTALL 1 IN. LIQUID TIGHT, NON-METALLIC CONDUIT FOR LOOP DETECTOR SLEEVE.

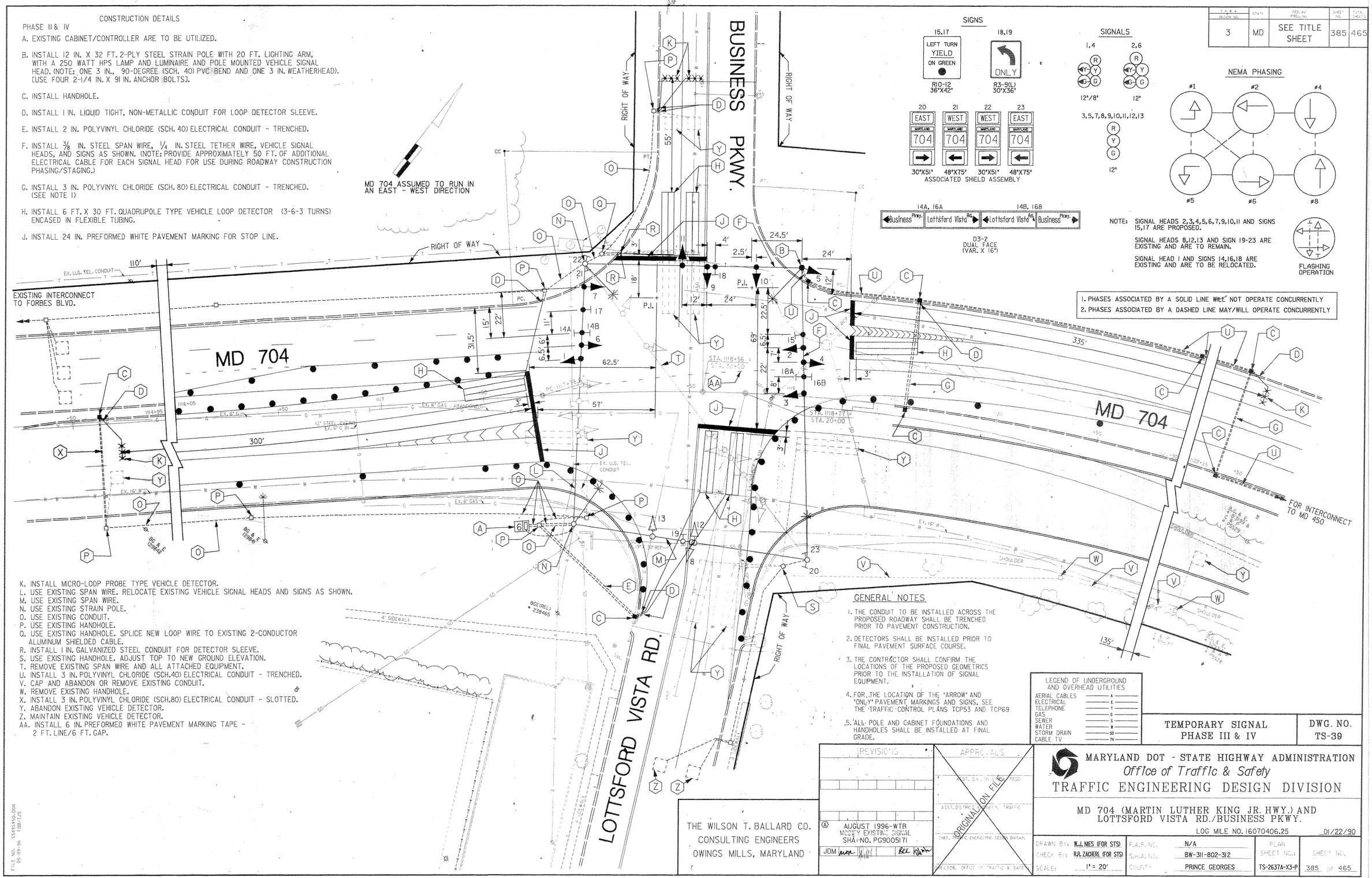
E. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT - TRENCHED.

F. INSTALL 3/8 IN. STEEL SPAN WIRE, 1/4 IN. STEEL TETHER WIRE, VEHICLE SIGNAL HEADS, AND SIGNS AS SHOWN. (NOTE: PROVIDE APPROXIMATELY 50 FT. OF ADDITIONAL ELECTRICAL CABLE FOR EACH SIGNAL HEAD FOR USE DURING ROADWAY CONSTRUCTION PHASING/STAGING.)

G. INSTALL 3 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - TRENCHED. (SEE NOTE 1)

H. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.

J. INSTALL 24 IN. PREFORMED WHITE PAVEMENT MARKING FOR STOP LINE.



K. INSTALL MICRO-LOOP PROBE TYPE VEHICLE DETECTOR.
L. USE EXISTING SPAN WIRE. RELOCATE EXISTING VEHICLE SIGNAL HEADS AND SIGNS AS SHOWN.
M. USE EXISTING SPAN WIRE.
N. USE EXISTING STRAIN POLE.
O. USE EXISTING CONDUIT.
P. USE EXISTING HANDHOLE.
Q. USE EXISTING HANDHOLE. SPLICE NEW LOOP WIRE TO EXISTING 2-CONDUCTOR ALUMINUM SHIELDED CABLE.
R. INSTALL 1 IN. GALVANIZED STEEL CONDUIT FOR DETECTOR SLEEVE.
S. USE EXISTING HANDHOLE. ADJUST TOP TO NEW GROUND ELEVATION.
T. REMOVE EXISTING SPAN WIRE AND ALL ATTACHED EQUIPMENT.
U. INSTALL 3 IN. POLYVINYL CHLORIDE (SCH.40) ELECTRICAL CONDUIT - TRENCHED.
V. CAP AND ABANDON OR REMOVE EXISTING CONDUIT.
W. REMOVE EXISTING HANDHOLE.
X. INSTALL 3 IN. POLYVINYL CHLORIDE (SCH.80) ELECTRICAL CONDUIT - SLOTTED.
Y. ABANDON EXISTING VEHICLE DETECTOR.
Z. MAINTAIN EXISTING VEHICLE DETECTOR.
AA. INSTALL 6 IN. PREFORMED WHITE PAVEMENT MARKING TAPE - 2 FT. LINE/6 FT. GAP.

SIGNS

15,17 — LEFT TURN YIELD ON GREEN — R10-12 36"X42"

18,19 — ONLY — R3-5(L) 30"X36"

20 EAST 704 30"X51" → | 21 WEST 704 48"X75" ← | 22 WEST 704 30"X51" → | 23 EAST 704 48"X75" ←

ASSOCIATED SHIELD ASSEMBLY

14A, 16A: Business Pkwy. / Lottsford Vista Rd.

14B, 16B: Lottsford Vista Rd. / Business Pkwy.

D3-2 DUAL FACE (VAR. X 16")

SIGNALS

1,4 — R Y G — 12"/8"

2,6 — R Y G — 12"

3,5,7,8,9,10,11,12,13 — R Y G — 12"

NEMA PHASING

#1 #2 #4 #5 #6 #8

NOTE: SIGNAL HEADS 2,3,4,5,6,7,9,10,11 AND SIGNS 15,17 ARE PROPOSED.

SIGNAL HEADS 8,12,13 AND SIGN 19-23 ARE EXISTING AND ARE TO REMAIN.

SIGNAL HEAD 1 AND SIGNS 14,16,18 ARE EXISTING AND ARE TO BE RELOCATED.

FLASHING OPERATION

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

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 PLANS TCP53 AND TCP69
5. ALL POLE AND CABINET FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.

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 III & IV

DWG. NO. TS-39

REVISIONS

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

JDM BEK

APPROVALS

ASST. DIVISION CHIEF, TEDD

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

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

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. NES (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-X3-P	385 OF 465
SCALE: 1" = 20'	COUNTY: PRINCE GEORGES		

FILE NO. SS495450.DGN
09-09-96 FDB/LJS