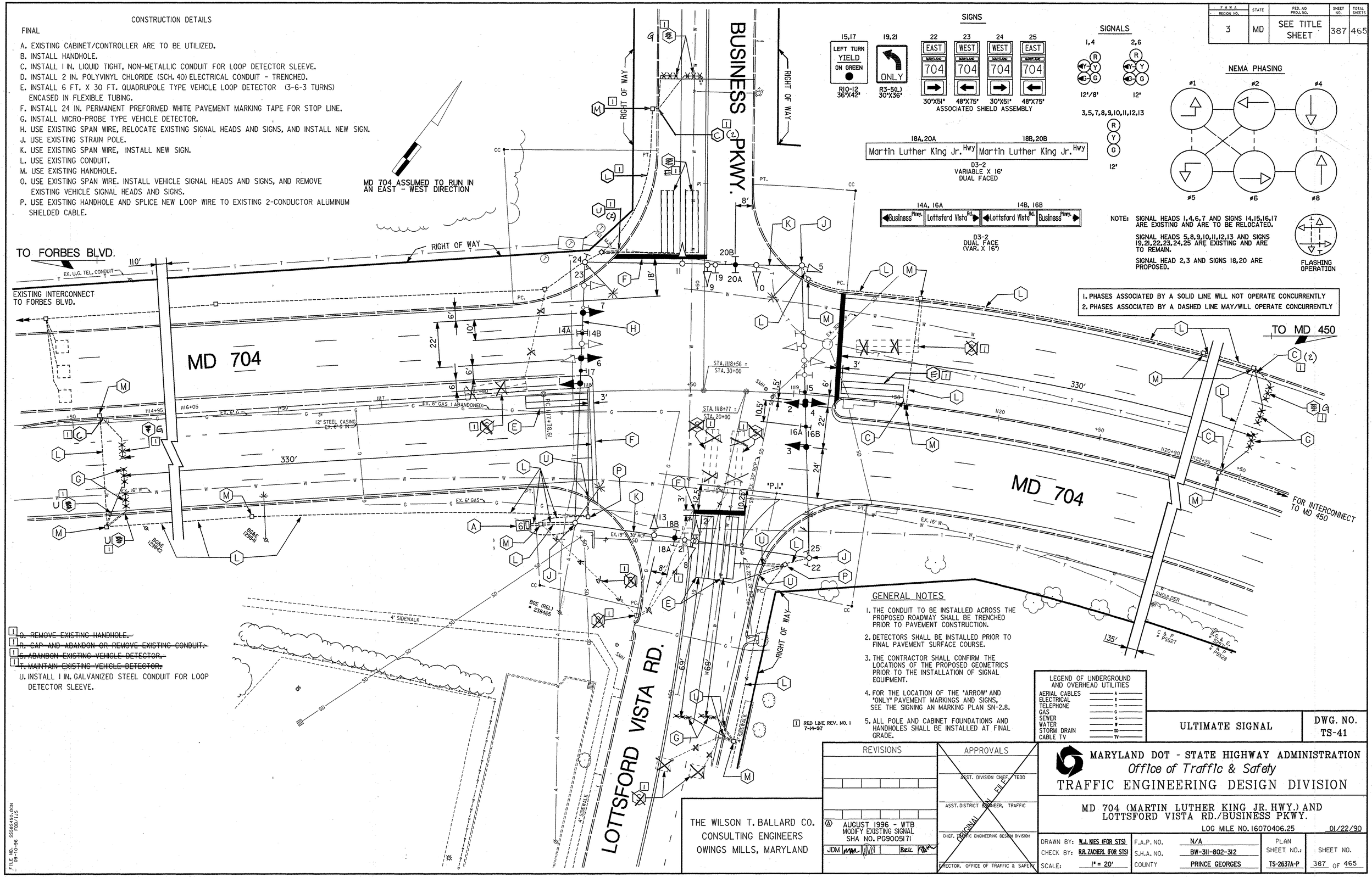
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET	387	465

CONSTRUCTION DETAILS

FINAL

A. EXISTING CABINET/CONTROLLER ARE TO BE UTILIZED.
B. INSTALL HANDHOLE.
C. INSTALL 1 IN. LIQUID TIGHT, NON-METALLIC CONDUIT FOR LOOP DETECTOR SLEEVE.
D. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT - TRENCHED.
E. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
F. INSTALL 24 IN. PERMANENT PREFORMED WHITE PAVEMENT MARKING TAPE FOR STOP LINE.
G. INSTALL MICRO-PROBE TYPE VEHICLE DETECTOR.
H. USE EXISTING SPAN WIRE, RELOCATE EXISTING SIGNAL HEADS AND SIGNS, AND INSTALL NEW SIGN.
J. USE EXISTING STRAIN POLE.
K. USE EXISTING SPAN WIRE, INSTALL NEW SIGN.
L. USE EXISTING CONDUIT.
M. USE EXISTING HANDHOLE.
O. USE EXISTING SPAN WIRE. INSTALL VEHICLE SIGNAL HEADS AND SIGNS, AND REMOVE EXISTING VEHICLE SIGNAL HEADS AND SIGNS.
P. USE EXISTING HANDHOLE AND SPLICE NEW LOOP WIRE TO EXISTING 2-CONDUCTOR ALUMINUM SHIELDED CABLE.



SIGNS

SIGNALS

NEMA PHASING

NOTE: SIGNAL HEADS 1,4,6,7 AND SIGNS 14,15,16,17 ARE EXISTING AND ARE TO BE RELOCATED.

SIGNAL HEADS 5,8,9,10,11,12,13 AND SIGNS 19,21,22,23,24,25 ARE EXISTING AND ARE TO REMAIN.

SIGNAL HEAD 2,3 AND SIGNS 18,20 ARE PROPOSED.

FLASHING OPERATION

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

1 ~~O. REMOVE EXISTING HANDHOLE.~~
1 ~~R. CAP AND ABANDON OR REMOVE EXISTING CONDUIT.~~
1 ~~S. ABANDON EXISTING VEHICLE DETECTOR.~~
1 ~~T. MAINTAIN EXISTING VEHICLE DETECTOR.~~
U. INSTALL 1 IN. GALVANIZED STEEL CONDUIT FOR LOOP DETECTOR SLEEVE.

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 SIGNING AN MARKING PLAN SN-2.8.
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

ULTIMATE SIGNAL

DWG. NO. TS-41

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

REVISIONS

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

JDM | MAK | BKL

APPROVALS

ASST. DIVISION CHIEF, TEDD
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL 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-P	387 OF 465
SCALE:	1" = 20'	COUNTY	PRINCE GEORGES		

FILE NO. SS9&S450.DGN
09-10-96 TDB/JS