MD 190 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNS

14,15 — Whittier Blvd. ◄ 6600 / Winston Dr. 6200 ► — D3-2 Variable x 32"

12,13 — Winston Dr. ◄ 6200 / Whittier Blvd. 6600 ► — D3-2 Variable x 32"

16 — NO TURN ON RED — R10-6R 30"X36"

17 — ONLY — R 3-5(L) 30"X 36"

18 — R3-6R 30"x36"

PUSH BUTTON TO CROSS MD 190
A START CROSSING WATCH FOR TURNING CARS
DON'T START IF FINISH CROSSING IF STARTED
PEDESTRIANS WALKING NOT IN CROSSWALK
R10-3C 9" x 12"

20 — ◄ Whittier Blvd. / Winston Dr. ► / NEXT SIGNAL — D3-2 Variable x 48"

19 — ◄ Winston Dr. / Whittier Blvd. ► / NEXT SIGNAL — D3-2 Variable x 48"

PROPOSED SIGNALS

3A — R, Y, G — 12"

3 — R, Y, G — 12"

10,11 — COUNTDOWN 16"

EXISTING SIGNALS

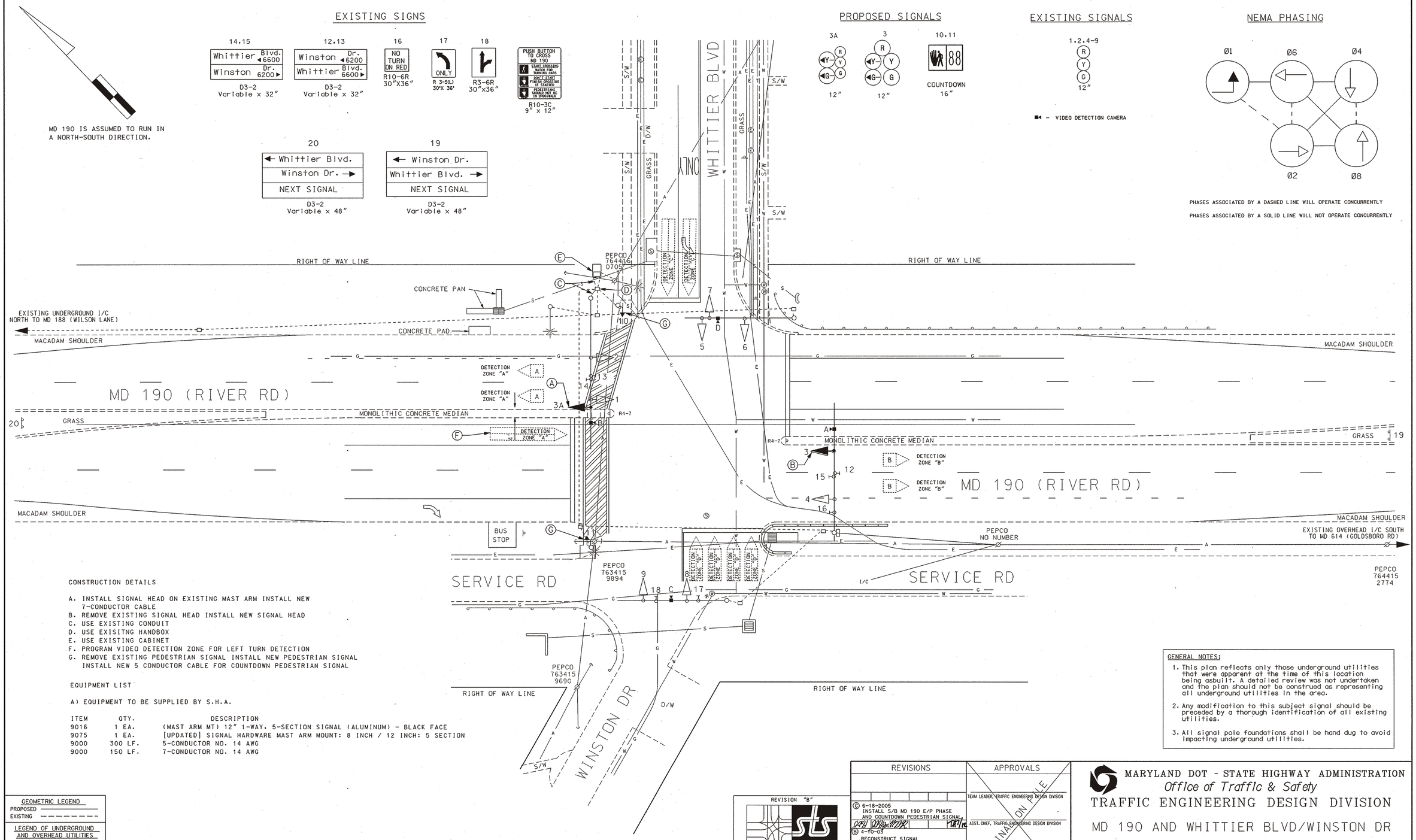
1,2,4-9 — R, Y, G — 12"

■ - VIDEO DETECTION CAMERA

NEMA PHASING

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. INSTALL SIGNAL HEAD ON EXISTING MAST ARM INSTALL NEW 7-CONDUCTOR CABLE
B. REMOVE EXISTING SIGNAL HEAD INSTALL NEW SIGNAL HEAD
C. USE EXISTING CONDUIT
D. USE EXISITNG HANDBOX
E. USE EXISTING CABINET
F. PROGRAM VIDEO DETECTION ZONE FOR LEFT TURN DETECTION
G. REMOVE EXISTING PEDESTRIAN SIGNAL INSTALL NEW PEDESTRIAN SIGNAL INSTALL NEW 5 CONDUCTOR CABLE FOR COUNTDOWN PEDESTRIAN SIGNAL

EQUIPMENT LIST

A) EQUIPMENT TO BE SUPPLIED BY S.H.A.

ITEM	QTY.	DESCRIPTION
9016	1 EA.	(MAST ARM MT) 12" 1-WAY, 5-SECTION SIGNAL (ALUMINUM) - BLACK FACE
9075	1 EA.	[UPDATED] SIGNAL HARDWARE MAST ARM MOUNT: 8 INCH / 12 INCH: 5 SECTION
9000	300 LF.	5-CONDUCTOR NO. 14 AWG
9000	150 LF.	7-CONDUCTOR NO. 14 AWG

GENERAL NOTES:

1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and the plan should not be construed as representing all underground utilities in the area.
2. Any modification to this subject signal should be preceded by a thorough identification of all existing utilities.
3. All signal pole foundations shall be hand dug to avoid impacting underground utilities.

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE — A — A —
ELECTRIC — E — E —
TELEPHONE — T — T —
GAS — G — G —
SEWER — S — S —
WATER — W — W —
CABLE TV — TV — TV —

REVISION "B"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.,N.W.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

4355.dgn TASK-79

REVISIONS	APPROVALS
Ⓒ 6-18-2005 INSTALL S/B MD 190 E/P PHASE AND COUNTDOWN PEDESTRIAN SIGNAL	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
Ⓑ 4-10-03 RECONSTRUCT SIGNAL SHA NO.: XX1065285 JWA MAR DAZ BRK TH 4/22	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
A 6-12-91 ADD SIGNS, LOOPS, AND ASBUILT. SHA NO.- M-651-501-377 RRZ	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINATION FILE

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

MD 190 AND WHITTIER BLVD/WINSTON DR

DRAWN BY: WJ NIES	F.A.P. NO.	TS NO. 3176 C	SHEET NO. 1 OF 1
CHECKED BY: RR ZACHERL	S.H.A. NO.		
SCALE: 1"= 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. F679	
DATE: 6-12-91	LOG MILE: 15019013.55		