MD 193 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED SIGNALS

4,5,9,10,13,16 — R, Y, G — 12" (305MM)

12,15 — R, Y, G, G — 12" (305MM)

1-3,6-8 — R, Y, G, G — 12" (305MM)

11,14 — R, Y, G, G — 8"/12" (203/305MM)

17-20 — 12" (305MM)

PROPOSED VIDEO DETECTION CAMERAS

A,B

PROPOSED SIGNS

21,22,24,25,29,30 — ONLY — R3-5(L) 30" X 36" (762MMx914MM)

27 — R3-6(L) 30" X 36" (762MMx914MM)

32,33 — PUSH BUTTON TO CROSS GREENBELT RD; START CROSSING WATCH FOR TURNING CARS; ONLY START FINISH CROSSING IF STARTED FLASHING; PEDESTRIANS SHOULD NOT BE IN CROSSWALK STEADY — R10-4(I) 9" X 12" (229MMx305MM)

23,26 — GOOD LUCK RD — D3-1 SINGLE FACE SIGN VAR X 16' (VARx406MM)

31 — EAST MARYLAND 193 WEST — M95-1 (78" X 24") (1.98Mx610MM)

28 — WEST MARYLAND 193 EAST — M95-1 78" X 24" (1.98Mx610MM)

NEMA PHASING

Ø 1, Ø 2, Ø 3, Ø 4, ALT. Ø 4, Ø 5, Ø 6

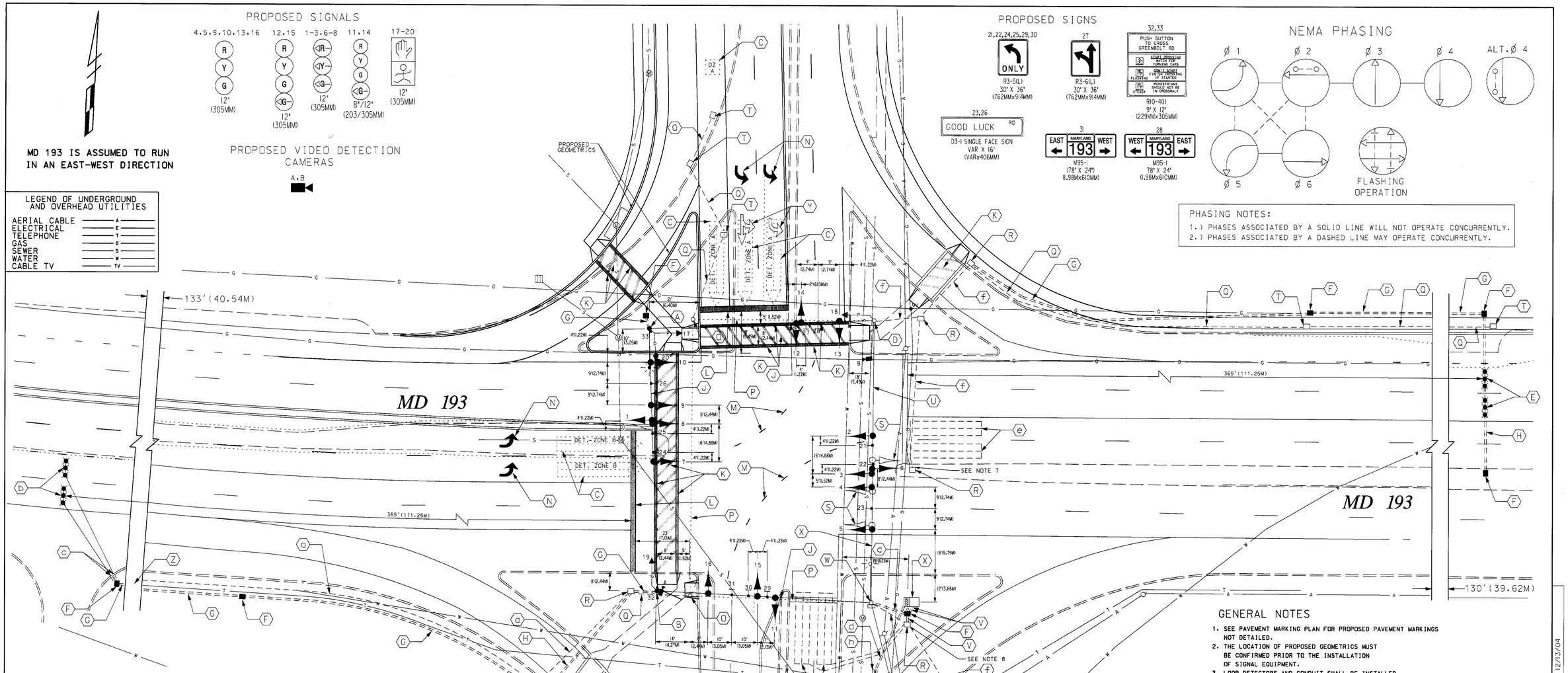
FLASHING OPERATION

PHASING NOTES:

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

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV



CONSTRUCTION DETAILS

A. INSTALL 32 FT.(9.75M) STRAIN POLE, 15 FT.(4.57M) STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE, AND PEDESTRIAN SIGNAL HEADS, PUSHBUTTON, AND R10-4 SIGN (NOTE: INSTALL 2-3 IN.(76MM) SCHEUDLE 80, 90 DEGREE CONDUIT BENDS)
B. INSTALL 32 FT.(9.75M) STRAIN POLE, VIDEO DETECTION CAMERA, PEDESTRIAN SIGNAL, PUSHBUTTON, AND R10-4 SIGN (NOTE: INSTALL 2-3 IN.(76MM) SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
C. VIDEO DETECTION ZONE
D. INSTALL 15 FT. (4.57M) STREET LIGHTING ARM WITH VIDEO DETECTION CAMERA AND PEDESTRIAN SIGNAL ON EXISTING STRAIN POLE
E. INSTALL NON-INVASIVE MICRO-LOOP PROBE WITH 1000 FT.(304.80M) LEAD-IN
F. INSTALL ELECTRICAL HANDHOLE
G. INSTALL 3 IN.(76MM) SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
H. INSTALL 3 IN.(76MM) SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
J. INSTALL 3/8 IN.(10MM) AND 1/4 IN.(6MM) STEEL SPAN WIRE WITH SIGNAL HEADS AND SIGNS AS SHOWN
K. INSTALL 12 IN.(305MM) WHITE HEAT APPLIED PREFORMED PERMANENT THERMOPLASTIC PAVEMENT MARKING
L. INSTALL 24 IN.(610MM) WHITE HEAT APPLIED PREFORMED PERMANENT THERMOPLASTIC PAVEMENT MARKING
M. INSTALL 5 IN.(127MM) SKIP WHITE THERMOPLASTIC PAVEMENT MARKING (3 FT.(914MM) LINE, 9 FT.(2.74M) GAP)
N. INSTALL WHITE HEAT APPLIED PREFORMED PERMANENT THERMOPLASTIC PAVEMENT MARKING ARROW (SEE TABLE FOR LOCATIONS)
O. REMOVE EXISTING STRAIN POLE AND ALL ASSOCIATED EQUIPMENT
P. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS, AND SIGNS
Q. CAP AND ABANDON EXISTING CONDUIT
R. USE EXISTING HANDHOLE
S. REMOVE EXISTING SIGNAL HEADS
T. EXISTING HANDHOLE TO BE REMOVED
U. INSTALL PROPOSED SIGNAL HEADS AND SIGNS ON EXISTING SPAN WIRE AS SHOWN
V. INSTALL 4 IN. (1.22M) SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
W. USE EXISTING STRAIN POLE AND REMOVE POLE MOUNTED CABINET AND CONTROLLER (NOTE: INSTALL 1-3 IN. (76MM) SCHEDULE 80, 90 DEGREE CONDUIT BENDS INTO EXISTING BASE)
X. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH VIDEO DETECTION INTERFACE EQUIPMENT, AND ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2-4 IN. (1.22M) AND 2-2 IN. (51.MM), SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
Y. EXISTING PAVEMENT MARKING ARROW TO BE REMOVED.
Z. ABANDON UNFOUND HANDHOLE
a. ABANDON EXISTING CONDUIT
b. INSTALL MICRO-LOOP PROBE WITH 1000 FT.(304.80M) LEAD-IN
c. INSTALL 1 IN.(25MM) LIQUID-TIGHT, NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
d. INSTALL 4 IN. (1.22M) SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
e. USE EXISTING DETECTORS
f. USE EXISTING CONDUIT
g. INSTALL 4 IN. (1.22M) SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
h. INSTALL METER SERVICE PEDESTAL

SOUTHBOUND GOOD LUCK ROAD LANE DROP MARKING LOCATION TABLE

TRAFFIC CONTROL DEVICE	DISTANCE FROM STOPLINE
LEFT ARROWS	50'(15.24M)
LEFT ARROWS	130'(39.62M)
LEFT ARROWS	330'(100.59M)
LEFT ARROWS	410'(124.97M)

MD 193 DOUBLE LEFT LANE DROP MARKING LOCATION TABLE

TRAFFIC CONTROL DEVICE	DISTANCE FROM STOPLINE
LEFT ARROWS	50'(15.24M)
LEFT ARROWS	180'(54.86M)

GENERAL NOTES

1. SEE PAVEMENT MARKING PLAN FOR PROPOSED PAVEMENT MARKINGS NOT DETAILED.
2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
6. TEMPORARY BACK-GUYS WILL BE REQUIRED FOR STRAIN POLES DURING DOUBLE LOADING.
7. SPLICE TWO NEW 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE TO EXISTING LOOP WIRE IN HANDHOLE.
8. DISCONNECT EXISTING INTERCONNECT AND NORTHBOUND GOOD LUCK ROAD DETECTION FROM CONTROLLER AND PULL-BACK TO THIS HANDHOLE AND RE-ROUTE TO PROPOSED BASE MOUNTED CABINET AND CONTROLLER.

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FAX (410) 923-6473 EMAIL TRACONCEPT@AOL.COM

REV.	DATE	DESCRIPTION	S & E BR.	CUSTOMER	P.M.	SECT HEAD	
A	12-13-04	100% SUBMISSION CORRECTIONS					C-215

REVISIONS

D — SIGNAL MODIFICATION DUE TO WIDENING — 1-29-05 — SHA NO. BW996M82 — MD TMZ
C — SINGLE WB LEFT LANE CHANGED TO EXCLUSIVE DOUBLE LEFT — 4-21-93 — SHA NO. BW 611-802-312

MAM | SR | DAZ | | ETP | TH

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNALIZATION PLAN
MD 193 AT GOOD LUCK ROAD

DRAWN BY: R. GORDON	F.A.P. NO.	TS NO. 93D	SHEET NO.
CHECKED BY:	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. F865	33 OF 140
DATE: 1-2-80	LOG MILE: 16019309.40		

CoF CODE or WRW: 03GTCZ — SHEET 33 OF 140 — DRAWING NO. GAI-SITE-29932

PLOT DATE: 12/13/04
FILE DATE: 12/13/04
FILE NAME: 03GTCZ-C215.DWG