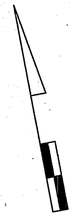


MD 193 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF APS PUSHBUTTONS AND COUNTDOWN PEDESTRIAN SIGNALS ON THE NORTH, SOUTH AND WEST LEGS OF THIS INTERSCETION.

SPECIAL NOTE

THE CONTRACTOR SHALL DELIVER THE APS EQUIPMENT TO THE SHA SIGNAL SHOP FOR PROGRAMMING PRIOR TO ITS INSTALLATION. CONTACT ED RODENHIZER TO MAKE THE NECESSARY ARRANGEMENTS.

PROJECT CONTACTS

MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7630

MR. ED RODENHIZER
SUPERVISOR, SIGNAL OPERATIONS SECTION
410-787-7650

MR. SONNY BAILEY
SUPERVISOR, SIGN OPERATIONS SECTION
410-787-7670

MR. WAYNE MOWDY
ASST DIST ENG-MAINTENANCE
301-513-7304

MR. BRIAN YOUNG
ASST DIST ENG-TRAFFIC
301-513-7358

MR. AUGIE REBISH
DIST UTILITY ENGINEER
301-513-7350

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM #	QUANTITY	ITEM DESCRIPTION
9571	4.5 SF	MAST ARM/POLE MOUNTED SHEET ALUMINUM SIGN - 6 EA R10-4(1) PUSHBUTTON TO CROSS - 4 EA TO READ "HANOVER PKWY" - 2 EA TO READ "GREENBELT RD"

B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR

ITEM #	QUANTITY	ITEM DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC-PER ASSIGNMENT
2002	3 CY	TEST PIT EXCAVATION
5003	80 LF	12" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
6002	150 LF	F&I STANDARD TYPE "A" COMBINATION CURB AND GUTTER 12" GUTTER PAN
6003	1000 SF	4" CONCRETE SIDEWALK
8006	1 EA	F&I 2 WIRE CENTRAL CONTROL UNIT
8014	6 EA	F&I AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8015	6 EA	F&I BREAKAWAY PEDESTAL POLE (ANY SIZE)
8024	6 EA	F&I LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD
8028	1 EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT-PER ASSIGNMENT
8031	100 LF	F&I 2" SCH 80 RIGID PVC CONDUIT-TRENCHED
8037	120 SF	F&I DETECTABLE WARNING SURFACE
8040	6 CY	F&I CONCRETE FOR SIGNAL FOUNDATION
8043	650 LF	F&I #6 STRANDED BARE COPPER GROUND WIRE
8048	70 LF	F&I 4" SCH 80 RIGID PVC CONDUIT-BORED
8064	4.5 SF	INSTALL OVERHEAD MOUNTED SIGN
8070	4 EA	F&I GROUND ROD 3/4" DIAMETER X 10' LENGTH
8076	1300 LF	F&I ELECTRICAL CABLE 2-CONDUCTOR #14AWG
8078	1300 LF	F&I ELECTRICAL CABLE 5-CONDUCTOR #14AWG

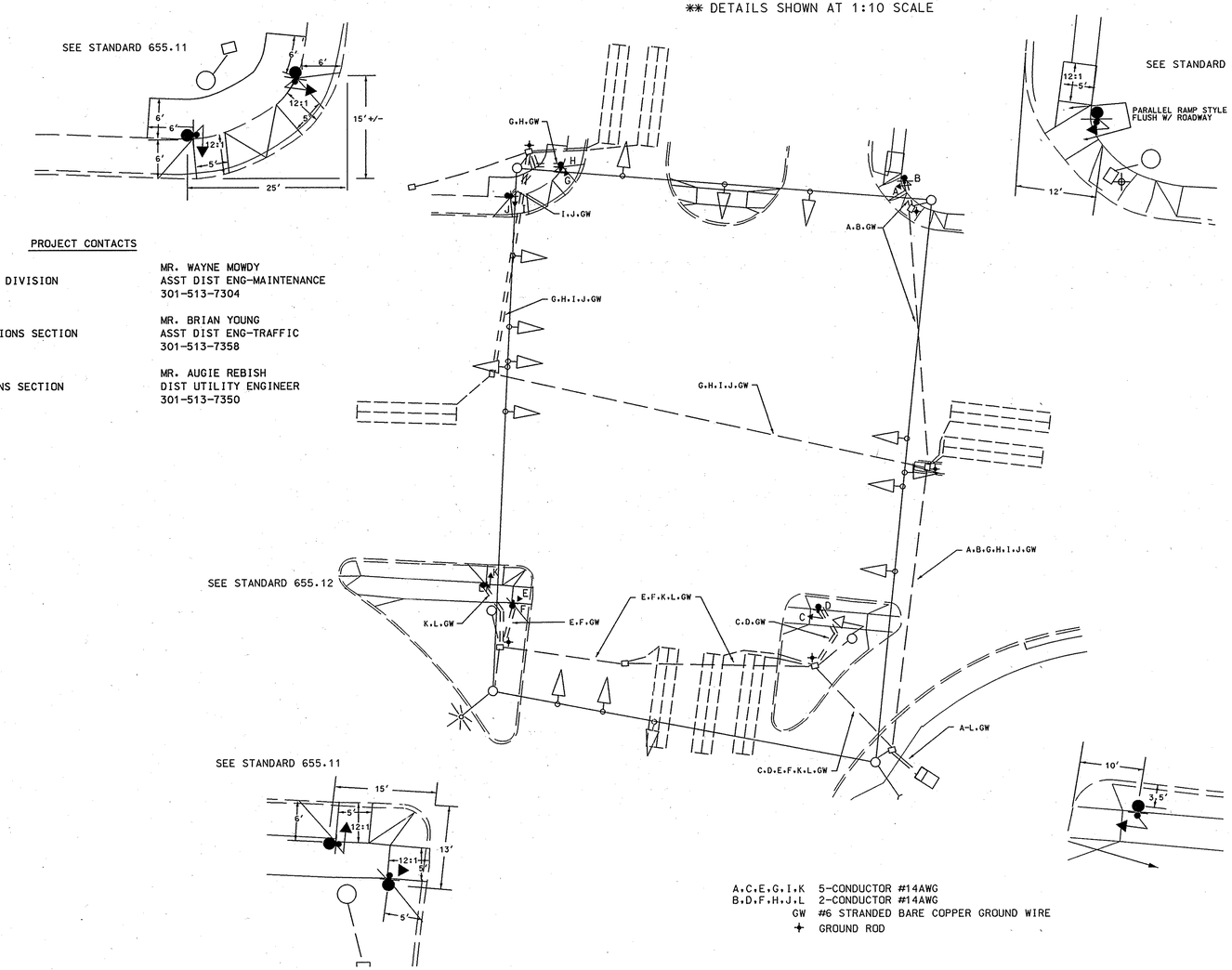
C. EQUIPMENT TO BE RETURNED TO THE ADMINISTRATION

NONE. ALL EQUIPMENT THAT IS REMOVED IN ACCORDANCE WITH THESE PLANS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18	20	22	24	26
	◁R- ◁Y- ◁G-	◁R- ◁Y- ◁G-	R Y G	R Y G	◁R- ◁Y- ◁G-	◁R- ◁Y- ◁G-	◁R- ◁Y- ◁G-	R Y G	R Y G	R Y G ◁G-	R Y G ◁G-	R Y G	R Y G ◁G-	R Y G ◁G-	R Y G	DW	DW	DW	DW	DW	DW
PHASE 1&5	◁G-	◁G-	R	R	◁G-	◁G-	◁G-	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1&5 CHANGE	◁Y-	◁Y-	R	R	◁Y-	◁Y-	◁Y-	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2&6	◁R-	◁R-	G	G	◁R-	◁R-	◁R-	G	G	R	R	R	R	R	R	WALK	WALK	WALK	WALK	DW	DW
PED CLEAR	◁R-	◁R-	G	G	◁R-	◁R-	◁R-	G	G	R	R	R	R	R	R	FL-W	FL-W	FL-W	FL-W	DW	DW
2&6 CHANGE	◁R-	◁R-	Y	Y	◁R-	◁R-	◁R-	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 3	◁R-	◁R-	R	R	◁R-	◁R-	◁R-	R	R	G ◁G-	G ◁G-	G	R	R	R	DW	DW	DW	DW	DW	DW
3 CHANGE	◁R-	◁R-	R	R	◁R-	◁R-	◁R-	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4	◁R-	◁R-	R	R	◁R-	◁R-	◁R-	R	R	R	R	R	G ◁G-	G ◁G-	G	DW	DW	DW	DW	DW	DW
4 CHANGE	◁R-	◁R-	R	R	◁R-	◁R-	◁R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	◁R-	◁R-	R	R	◁R-	◁R-	◁R-	R	R	R	R	R	G ◁G-	G ◁G-	G	DW	DW	DW	DW	WALK	WALK
PED CLEAR	◁R-	◁R-	R	R	◁R-	◁R-	◁R-	R	R	R	R	R	G ◁G-	G ◁G-	G	DW	DW	DW	DW	FL-W	FL-W
4 ALT CHANGE	◁R-	◁R-	R	R	◁R-	◁R-	◁R-	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL ◁R-	FL ◁R-	FL-Y	FL-Y	FL ◁R-	FL ◁R-	FL ◁R-	FL-Y	FL-Y	FL-R	FL-R	FL-R	FL-R	FL-R	FL-R	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM

** DETAILS SHOWN AT 1:10 SCALE



A,C,E,G,I,K 5-CONDUCTOR #14AWG
B,D,F,H,J,L 2-CONDUCTOR #14AWG
GW #6 STRANDED BARE COPPER GROUND WIRE
✦ GROUND ROD

TOD No.: AT782-46
SHA No.: PG694A57/B57
MD 193 @ Hanover Parkway

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 193 @ HANOVER PKWY

GENERAL INFORMATION SHEET

SCALE 1:20 DATE OCTOBER 1990 CONTRACT NO.

DESIGNED BY ABS
DRAWN BY ABS
CHECKED BY JDS,DGM
FAP NO. N/A

COUNTY PRINCE GEORGE'S
LOGMILE 16019307.29
TIMS NO. H059
TOD NO.

TS NO. 1797-K | DRAWING - OF | SHEET NO. 1 OF 2

PLOTTED: Tuesday, August 15, 2006 at 8:54:14 AM
FILE: MD 193-Topo.dgn

BY: cstrain