DRILL HOLES

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BORGER REV: DATE: June 1, 2004

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE RELOCATION OF ONE PEDESTAL POLE AT THE INTERSECTION OF METZEROTT RD/PAINT BRANCH DR AT MD 193 IN PRINCE GEORGE'S COUNTY. MD 193 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION. ▥ THIS PROJECT ALSO INVOLVES THE INSTALLATION OF A NEW PEDESTAL POLE.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA-SIX-PHASE FULLY ACTUATED MODE. THERE WILL BE AN EXCLUSIVE LEFT TURN PHASE FOR BOTH EAST AND WESTBOUND MOVEMENTS ON MD 193. THE MOVEMENT ON MD 193 SHALL OPERATE CONCURRENTLY ALONG WITH A CONCURRENT PEDESTRIAN MOVE ACROSS THE NORTH LEG OF THE INTERSECTION. THE MOVEMENT ON METZEROTT RD/PAINT BRANCH DR WILL OPERATE WITH A SIDE STREET SPLIT MODE WITH AN ACTUATED PEDESTRIAN MOVEMENT ACROSS THE WEST LEG OF THE INTERSECTION.

SPECIAL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY TAG AND LABEL EACH CABLE.

EQUIPMENT LIST A

A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY SHA

NONE

EQUIPMENT LIST B

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NUMBER	SPEC SECTION	QUANTITY	DESCRIPTION
203030	205	1 C.Y.	TEST PIT EXCAVATION
585620	556	200 L.F.	12 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
585624	556	60 L.F.	24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
801004	801	3 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
802501	805	700 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805118	805	140 L.F.	4 IN. SCHEDULE 80 RIGID PVC CONDUIT-BORED
805125	805	▥ 50 ~~30~~ L.F.	2 IN. SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
805140	805	70 L.F.	4 IN. SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
811001	811	2 EA.	ELECTRICAL HANDHOLE
837001	807	▥ 2 ~~1~~ EA.	GROUND ROD ¾ IN. DIAMETER X 10 FT. LENGTH
860265	814	▥ 1 ~~2~~ EA.	RELOCATE EXISTING SIGNAL HEAD
861104	810	750 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	810	750 L.F.	ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)
861108	810	320 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
800000	814	1 EA.	RELOCATE EXISTING PEDESTAL POLE
▥ ~~800000~~	~~814~~	~~1 EA.~~	~~RELOCATE EXISTING PUSHBUTTON AND SIGN~~
800000	XXX	1 LS.	REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT
▥ 818004	814	1 EA.	10 FT. PEDESTAL POLE WITH BREAKAWAY BASE
▥ 800000	814	2 EA.	LED 16 IN. COUNTDOWN PEDESTRIAN SIGNAL - PEDESTAL MOUNTED
800000	814	2 EA.	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON

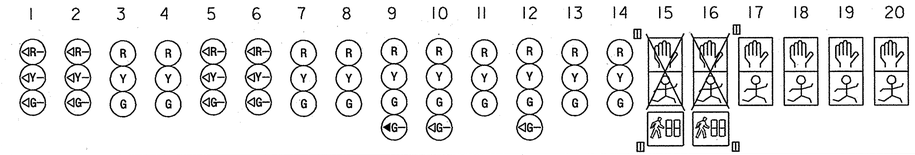
EQUIPMENT LIST C

C. ALL EQUIPMENT NOT LISTED BELOW SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

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

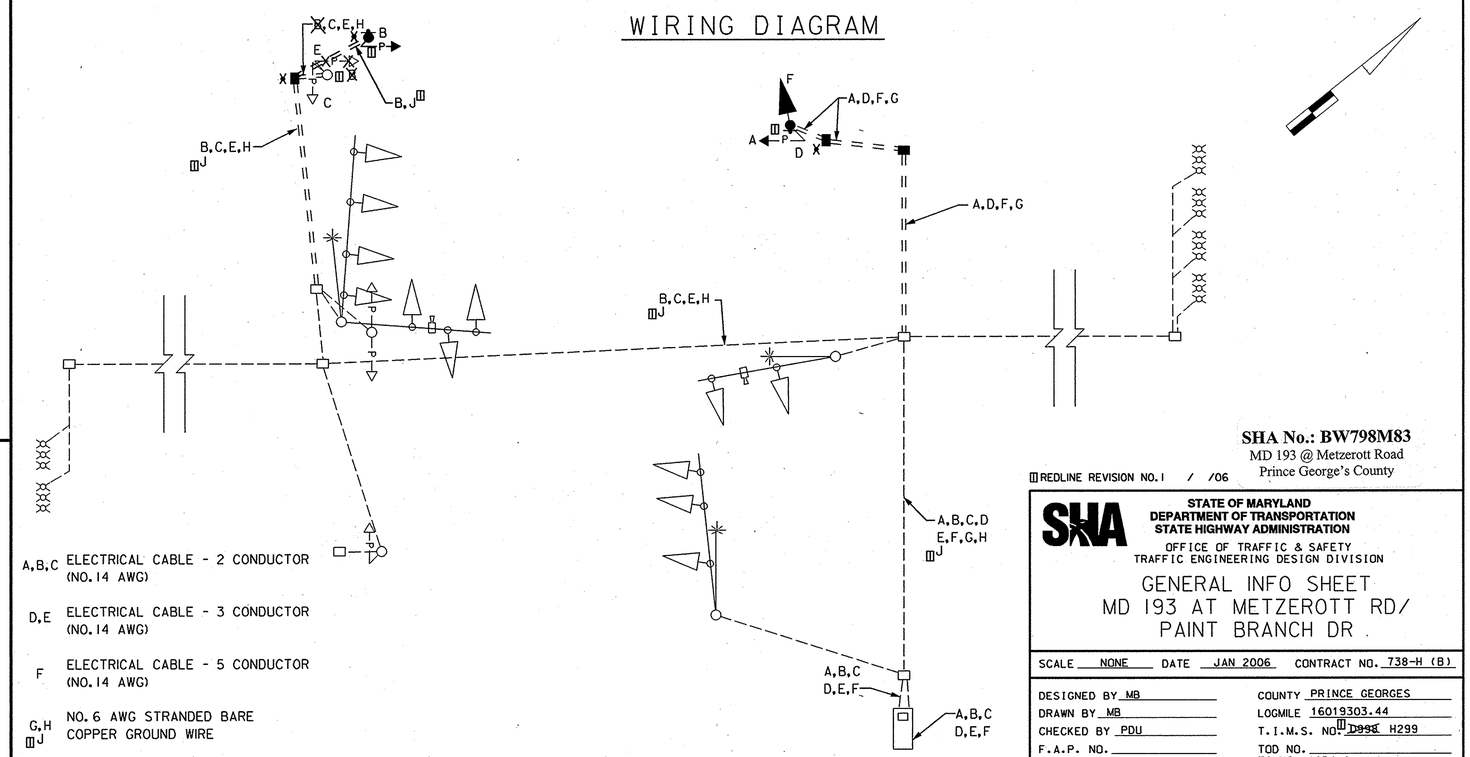
t:\Metzerott Road\wg01metzrd1
6/13/06 jlg
h:\plots\0\centrdes\default-col.tbl

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PHASE 1+5	◄G–	◄G–	R	R	◄G–	◄G–	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1+5 CHANGE TO PHASE 1+6 OR PHASE 2+5 OR PHASE 2+6																				
PHASE 1+6	◄G–	◄G–	G	G	◄R–	◄R–	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1+6 CHANGE	◄Y–	◄Y–	G	G	◄R–	◄R–	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2+5	◄R–	◄R–	R	R	◄G–	◄G–	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
2+5 CHANGE	◄R–	◄R–	R	R	◄Y–	◄Y–	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2+6	◄R–	◄R–	G	G	◄R–	◄R–	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
2+6 CHANGE	◄R–	◄R–	Y	Y	◄R–	◄R–	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2+6 ALT	◄R–	◄R–	G	G	◄R–	◄R–	G	G	R	R	R	R	R	R	WALK	WALK	DW	DW	DW	DW
PED CLEARANCE	R–	R–	G	G	◄R	◄R	G	G	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW	DW	DW
2+6 CHANGE	◄R–	◄R–	Y	Y	◄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	G ◄G–	G ◄G–	G	R	R	R	DW	DW	DW	DW	DW	DW
3 CHANGE	◄R–	◄R–	R	R	◄R–	◄R–	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 3 ALT	◄R–	◄R–	R	R	◄R–	◄R–	R	R	G ◄G–	G ◄G–	G	R	R	R	DW	DW	WALK	WALK	WALK	WALK
PED CLEARANCE	◄R–	◄R–	R	R	◄R–	◄R–	R	R	G ◄G–	G ◄G–	G	R	R	R	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
3 CHANGE	◄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	G ◄G–	G	G	DW	DW	DW	DW	DW	DW
4 CHANGE	◄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 / Y	FL / Y	FL / R	FL / R	FL / R	FL / R	FL / R	FL / R	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



A,B,C ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)

D,E ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)

F ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

G,H ▥J NO. 6 AWG STRANDED BARE COPPER GROUND WIRE

X GROUND ROD

SHA No.: BW798M83
MD 193 @ Metzerott Road
Prince George's County

▥ REDLINE REVISION NO. 1 / /06

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

GENERAL INFO SHEET
MD 193 AT METZEROTT RD/
PAINT BRANCH DR

SCALE NONE DATE JAN 2006 CONTRACT NO. 738-H (B)

DESIGNED BY MB
DRAWN BY MB
CHECKED BY PDU
F.A.P. NO.

COUNTY PRINCE GEORGES
LOGMILE 16019303.44
T.I.M.S. NO. ▥ ~~D998~~ H299
TOD NO.
TS NO. 1034 G

DRAWING NO. - 2 OF 2 | SHEET NO. 22 OF 24