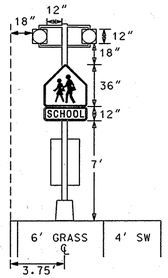
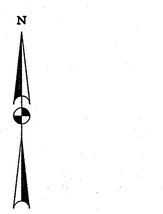




PROPOSED SIGNALS

1.2

Y

12"

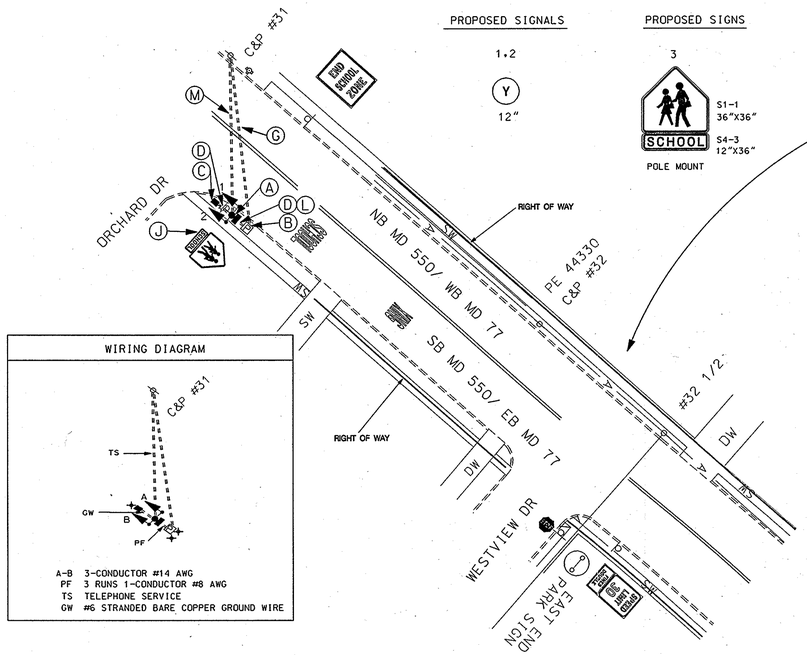
PROPOSED SIGNS

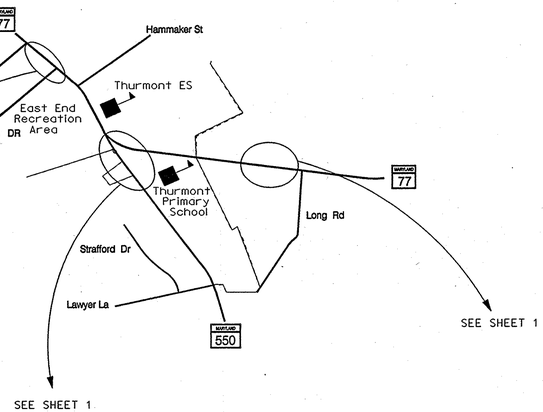
3

S1-1 36"X36"

S4-3 12"X36"

POLE MOUNT





WIRING DIAGRAM

A-B 3-CONDUCTOR #14 AWG
PF 3 RUNS 1-CONDUCTOR #8 AWG
TS TELEPHONE SERVICE
GW #6 STRANDED BARE COPPER GROUND WIRE

CONSTRUCTION DETAILS

A. INSTALL 14' PEDESTAL POLE, SIGNAL HEADS, SIGNS, POLE MOUNTED CABINET ON BREAKWAY PEDESTAL POLE (3-2" BENDS IN BASE)
B. INSTALL METERED SERVICE PEDESTAL
C. INSTALL ELECTRICAL HANDBOX
D. INSTALL 2" CONDUIT TRENCHED
E. INSTALL 3" CONDUIT BORED
F. INSTALL 3" TRENCHED CONDUIT
G. INSTALL 3" CONDUIT-SLOTTED
H. REMOVE EXISTING HIB AND METERED SERVICE PEDESTAL
I. INSTALL PROPOSED GROUND MOUNTED SIGN ON ONE (1) 4"X6" WOOD SIGN SUPPORT
J. REMOVE EXISTING GROUND MOUNTED SIGN
K. REMOVE EXISTING GROUND MOUNTED SIGN AND INSTALL NEW "AHEAD" SUPPLEMENTAL PLATE
L. INSTALL 3'X4'X4" CONCRETE COURTESY PAD
M. INSTALL 2"CONDUIT-SLOTTED

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

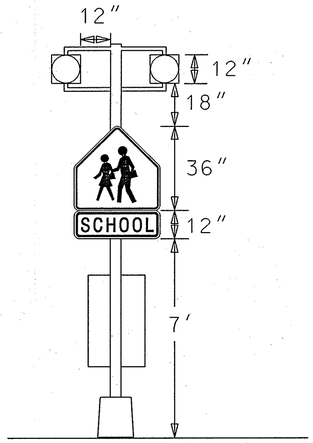
ITEM #	QUANTITY	ITEM DESCRIPTION
9012	3 EA	(UPDATED) 2 CIRCUIT FLASHER
9037	3 EA	(UPDATED) CABINET "G" TYPE POLE MOUNTED
9570	10.625 SF	SHEET ALUMINUM SIGN GROUND MOUNTED 1 EA R2-1 24"X30" SPEED LIMIT 30 GROUND MOUNTED 1 EA S4-4(1) 15"X30" FINES DOUBLE GROUND MOUNTED 1 EA 12"X30" S4-4(3) AHEAD SUPPLEMENTAL PLATE-GROUND MOUNTED
9571	36 SF	SHEET ALUMINUM SIGN MAST ARM/POLE MOUNTED 3 EA S1-1 36"X36" SCHOOL CROSSING SYMBOL 3 EA S4-3 12"X36" SCHOOL SUPPLEMENTAL PLATE

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

ITEM #	QUANTITY	ITEM DESCRIPTION
1001	3 EA	MAINTENANCE OF TRAFFIC
2002	3 CY	TEST PIT EXCAVATION
6004	36 SF	4" CONCRETE SIDEWALK
8001	3 CY	CONCRETE FOUNDATION
8018	3 EA	FURNISH AND INSTALL PED POLE (ANY SIZE)
8019	1 EA	REMOVE AND DISPOSE OF EQUIPMENT-PER ASSIGNMENT
8030	16 LF	FURNISH AND INSTALL 4"X6" WOOD SIGN SUPPORTS
8031	45 LF	FURNISH AND INSTALL #6 STRANDED BARE COPPER GROUND WIRE
8037	35 LF	FURNISH AND INSTALL 3" SCH 80 RIGID PVC CONDUIT- BORED
8039	45 LF	FURNISH AND INSTALL 2" SCH 80 RIGID PVC CONDUIT- TRENCHED
8040	25 LF	FURNISH AND INSTALL 3" SCH 80 RIGID PVC CONDUIT- TRENCHED
8042	85 LF	FURNISH AND INSTALL 2" SCH 80 RIGID PVC CONDUIT- SLOTTED
8043	50 LF	FURNISH AND INSTALL 3" SCH 80 RIGID PVC CONDUIT- SLOTTED
8046	3 EA	FURNISH AND INSTALL METERED SERVICE PEDESTAL
8049	200 LF	FURNISH AND INSTALL ELECTRICAL CABLE- 1-CONDUCTOR # 8AWG-THHN/THWN
8054	3 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8056	10.625 SF	INSTALL GROUND MOUNTED SIGN
8057	36 SF	INSTALL OVERHEAD SIGN
8074	6 EA	FURNISH AND INSTALL CONNECTOR KIT-TYPE II
8075	9 EA	FURNISH AND INSTALL 3/4" DIAMETER X 10' LENGTH GROUND ROD
8077	6 EA	FURNISH AND INSTALL 12" VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8084	100 LF	FURNISH AND INSTALL ELECTRICAL CABLE-3 CONDUCTOR #14 AWG
8095	3 EA	INSTALL CONTROLLER AND CABINET POLE MOUNT

C. EQUIPMENT TO BE RETURNED TO THE ADMINISTRATION

THE CONTRACTOR SHALL CONTACT THE SHA SIGNAL SHOP 72 HRS PRIOR TO REMOVING THE EXISTING HIB ON WB MD 77 SO THAT THE SHA MAY REMOVE THE CONTROLLER AND CABINET. ALL OTHER EQUIPMENT REMOVED ACCORDING TO THESE PLANS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



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

MD ROUTES 77&550
SCHOOL HAZARD IDENTIFICATION BEACONS
THURMONT, MD

TS #4420

APPROVALS	REVISIONS
Amy K. Beall 6/3/05 TEAM LEADER	
ASST. DIV. CHIEF 6/6/05	
DIVISION CHIEF	
6/10/ OFFICE DIRECTOR	

SCALE 1:30 DATE JUNE 1, 2005 CONTRACT NO. AT6045185

DESIGNED BY C. STRAIN
DRAWN BY C. STRAIN
CHECKED BY A. BEALL
F.A.P. NO.

COUNTY FREDERICK
LOGMILE 10007708.22
T.I.M.S. NO. G951
TOD NO.

DRAWING NO. OF SHEET NO. 2 OF 2

PLOTTED: $DATETIME$
FILE: $FILE$

BY: $USERNAME$

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