MATERIAL LIST

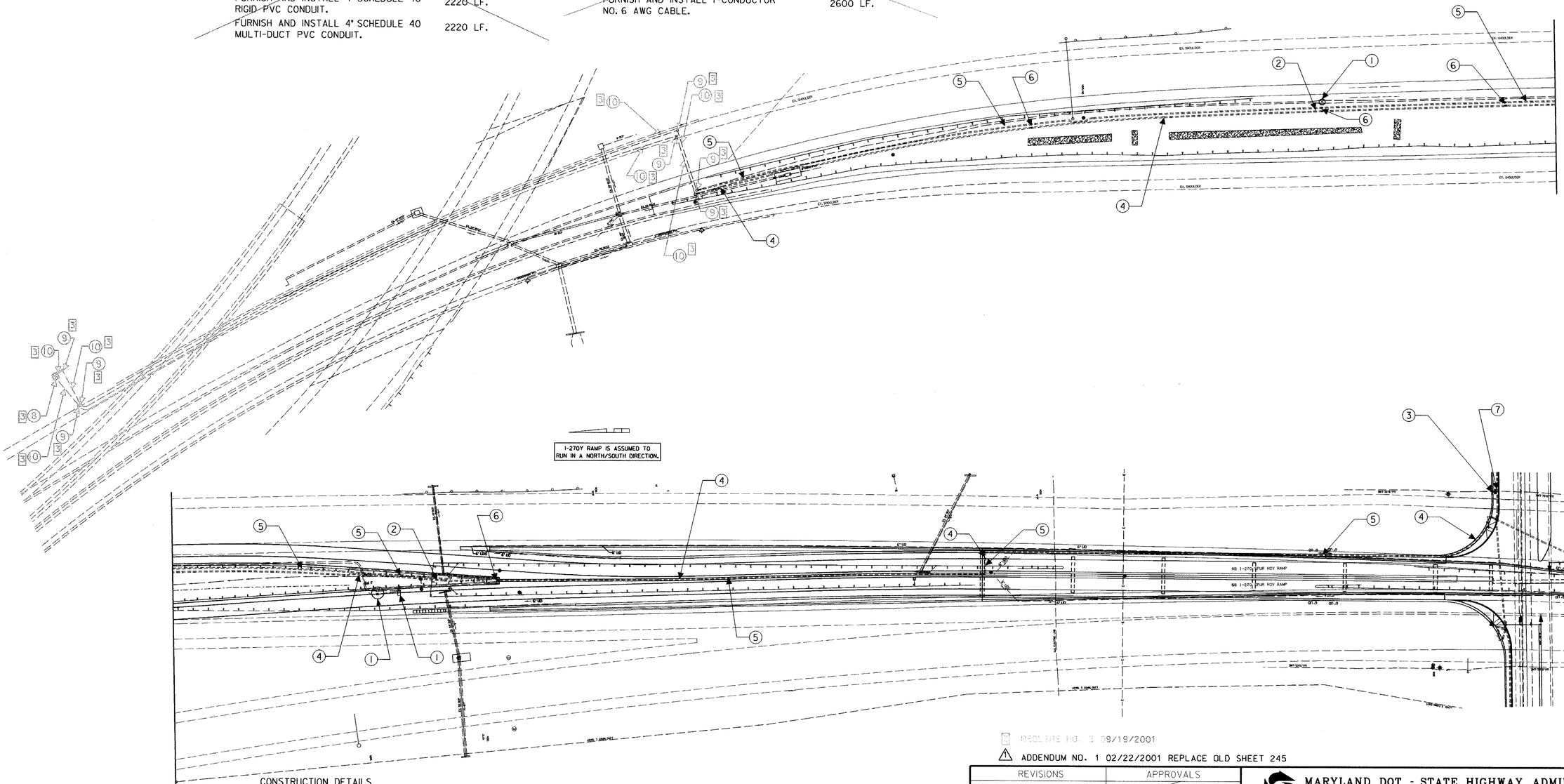
3 ITEM NUMBER	DESCRIPTION	QUANTITY
	FURNISH AND INSTALL 4 FOOT DELINEATOR POSTS WITH METAL ANCHOR	4 EA.
	FURNISH AND INSTALL POLE MOUNTED FIELD EQUIPMENT CABINET.	1 EA.
	REMOVE AND RELOCATE CAMERA ASSEMBLY.	1 EA.
	FURNISH AND INSTALL CONCRETE HANDBOXES.	8 EA.
	FURNISH AND INSTALL 4" SCHEDULE 40 RIGID PVC CONDUIT.	2220 LF.
	FURNISH AND INSTALL 4" SCHEDULE 40 MULTI-DUCT PVC CONDUIT.	2220 LF.

ITEM NUMBER	DESCRIPTION	QUANTITY
	FURNISH AND INSTALL ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG - THHN/THWN	15 LF.
	FURNISH AND INSTALL 48 FIBER SINGLE MODE FIBER OPTIC CABLE.	2600 LF.
	REMOVE AND RELOCATE CONTROL AND DISTRIBUTION EQUIPMENT.	1 EA.
	FURNISH AND INSTALL GROUND ROD 3/4 INCH DIAMETER X 10 FOOT LENGTH.	8 EA.
	FURNISH AND INSTALL 1-CONDUCTOR NO. 6 AWG CABLE.	2600 LF.

ITEM NUMBER	DESCRIPTION	QUANTITY
	FURNISH AND INSTALL 1-CONDUCTOR NO. 2 AWG CABLE.	5200 LF.
	REMOVE AND RELOCATE RACK-MOUNTED SPLICE ENCLOSURE.	1 EA.
	REMOVE AND RELOCATE SINGLE MODE FIBEROPTIC ST CONNECTOR.	1 EA.
	REMOVE AND RELOCATE 32 FT STEEL POLE.	1 EA.

ITEM NUMBER	DESCRIPTION	QUANTITY
	REMOVE AND RELOCATE 5 KVA STEPDOWN TRANSFORMER (240 PRIMARY, 120 V SECONDARY).	1 EA.
	REMOVE EXISTING EQUIPMENT.	1 LS.

1-270Y RAMP IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.



1-270Y RAMP IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

CONSTRUCTION DETAILS

1. REMOVE EXISTING EQUIPMENT.
2. INSTALL DELINEATOR POST.
3. INSTALL 32 FT STEEL CCTV POLE, POLE MOUNTED FIELD EQUIPMENT CABINET, ALL FIELD EQUIPMENT TO OPERATE CCTV, SINGLE MODE FIBEROPTIC ST CONNECTOR, AND RACK MOUNTED SPLICE ENCLOSURE DISCONNECT SWITCH. MOUNT CCTV COLOR CAMERA ASSEMBLY TO POLE. INSTALL CAMERA POWER/VIDEO CABLES.
4. INSTALL 4 INCH SCHEDULE ~~40~~ 80 RIGID PVC CONDUIT. INSTALL TWO 1-CONDUCTOR #2 AWG CABLES FOR POWER AND 1-CONDUCTOR #6 AWG STRANDED BARE COPPER GROUND.
5. INSTALL 4 INCH MULTIDUCT CONDUIT. INSTALL 48 FIBER SINGLE MODE FIBEROPTIC CABLE WITH ST CONNECTORS.
6. INSTALL TWO CONCRETE HANDBOXES AND 3/4 INCH X 10 FOOT GROUND RODS.
7. INSTALL 5 KVA STEP-DOWN TRANSFORMER OUTSIDE CABINET. INSTALL 3 WIRE 1-CONDUCTOR NO. 8 AWG CABLE FOR 120V POWER TO FIELD CABINET.
8. CONNECT TO EXISTING EQUIPMENT IN EXISTING ~~HANDBOX~~ VAULT.
9. USE EXISTING HANDBOX.
10. USE EXISTING CONDUIT.

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

REVISIONS

3 REQUIRE NO. 5 09/19/2001

⚠ ADDENDUM NO. 1 02/22/2001 REPLACE OLD SHEET 245

APPROVALS

Bruce Thompson 9-18-01
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

9/18/01
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

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

I-270 WEST SPUR AT DEMOCRACY BOULEVARD AND WESTLAKE TERRACE
I-270 Y HOV RAMP AT WESTLAKE TERRACE - CCTV RELOCATION

DRAWN BY:	STB	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY:	PDU	S.H.A. NO.	M09025172	4053-4	
SCALE:	1" = 50'	COUNTY:	MONTGOMERY	T.I.M.S. NO.	
DATE:	NOV. 2000	LOG MILE:	1.14	D 968	245 OF 296

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