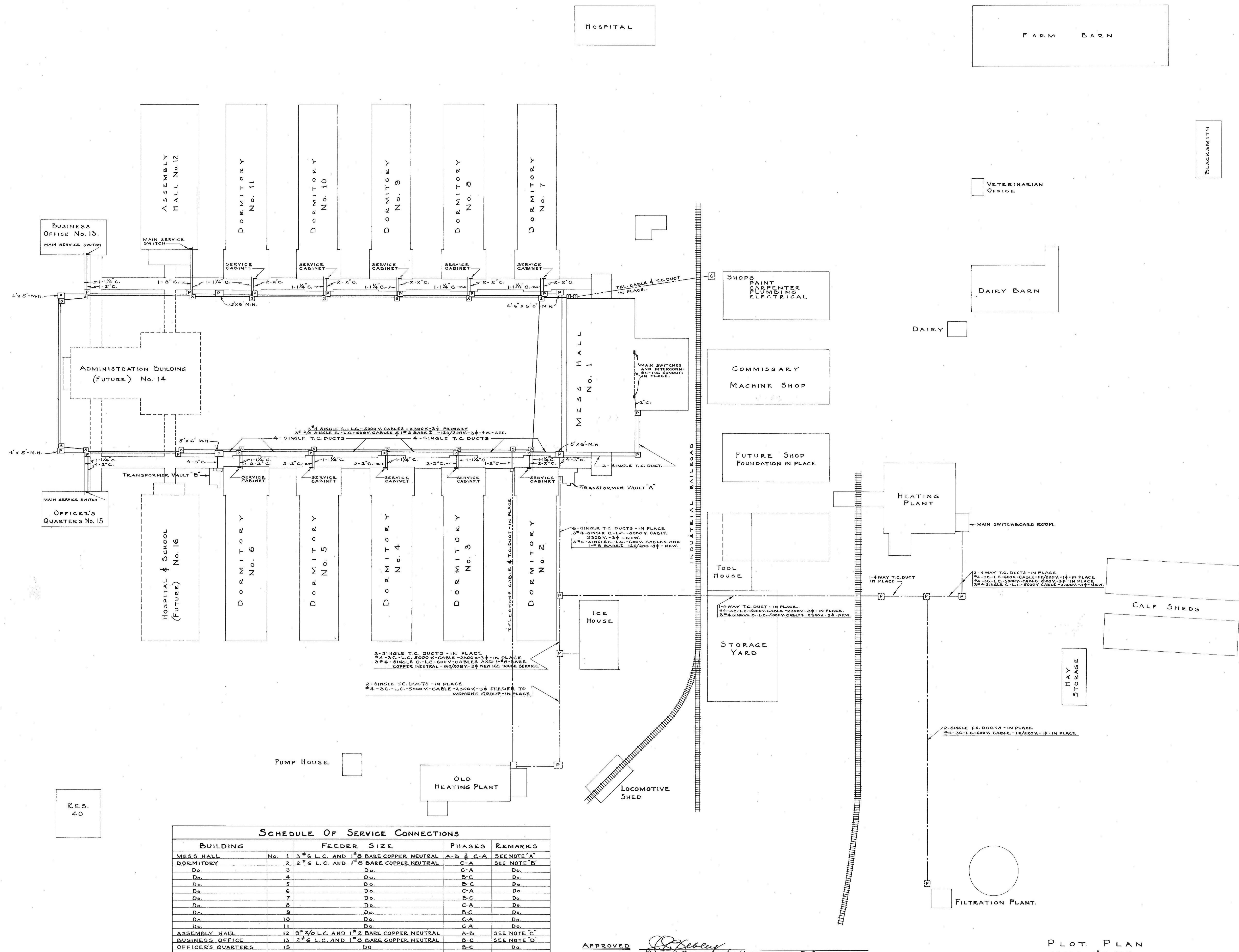


GENERAL NOTES:-  
SEE DRAWING No. EWH-2 FOR ADDITIONAL DETAILS.  
UNLESS OTHERWISE INDICATED POWER AND LIGHT MANHOLES, INDICATED "P", SHALL BE INTERCONNECTED BY 3 SINGLE T.C. DUCTS - ALL SIGNAL MANHOLES, INDICATED "S" SHALL BE INTERCONNECTED BY 2 SINGLE T.C. DUCTS.  
DUCT RUNS BETWEEN MANHOLES SHALL HAVE A SLOPE OF APPROX. 5' IN 100' AND DRAIN TOWARD THE MANHOLES.  
SERVICE CONDUITS CROSSING UNDER THE ARCADE WALKWAY SHALL BE RUN IN THE FILLED SPACE. BETWEEN THE ARCADE WALKWAY AND THE TUNNEL ROOF. WHERE THE ARCADE WALKWAY SLAB FORMS THE ROOF OF THE TUNNEL, CONDUIT MAY CROSS THE TUNNEL EXPOSED BUT SHALL BE SUITABLY SUPPORTED FROM THE SLAB WITH PIPE STRAPS. NO JUNCTION OR SPLICE BOXES SHALL BE PERMITTED WITHIN THE TUNNEL.  
THREE #2/0 L.C. SINGLE CONDUCTOR, STRANDED, 400 V. CABLES AND A SINGLE #2 BARE COPPER STRANDED CABLE SHALL BE DRAWN IN A SINGLE DUCT BETWEEN EACH OF THE POWER MANHOLES BETWEEN BUILDINGS FORMING A THREE PHASE FOUR WIRE SECONDARY NETWORK ONTO WHICH THE SERVICES FOR THE VARIOUS BUILDINGS SHALL BE TAPPED OFF WITH SUITABLE SPLICES AND WIRED JOINTS IN ACCORDANCE WITH THE FEEDER SCHEDULE SHOWN ON THIS DRAWING.  
THE PRIMARY SIDES OF BOTH BANKS OF TRANSFORMERS IN VAULTS "A" & "B" SHALL BE FED BY THE SAME 2300V-3Ø PRIMARY FEEDER. FROM VAULT "A" THE FEEDER IS EXTENDED CROSSING UNDER THE ARCADE WALKWAY IN THE 3" C. SHOWN AND THEN RUN IN DUCT AND ADJOINING POWER MANHOLES TO WHERE IT CROSSES BACK UNDER THE ARCADE WALKWAY IN THE 3" C. SHOWN TO VAULT "B".  
THE SECONDARIES OF EACH BANK OF TRANSFORMERS SHALL BE TAPPED ON TO THE DISTRIBUTION NETWORK WITH THE SAME SIZE CONDUCTORS AS FORMS THE NETWORK. THE CONDUCTORS ARE RUN FROM THE TRANSFORMER VAULTS UNDER THE ARCADE WALKWAY IN THE 3" C. SHOWN TO THE DISTRIBUTION MANHOLES.  
THE POWER MANHOLES FOR SERVICE LATERALS AND THE SIGNAL MANHOLES SHALL BE 3'-6" SQUARE BY APPROX. 4 FEET DEEP. ALL MANHOLES SHALL HAVE 30" ROUND MANHOLE COVERS. TRANSFORMER VAULTS SHALL HAVE 36" ROUND COVERS.

VIRGINIA STATE HIGHWAY No. 9



SCHEDULE OF SERVICE CONNECTIONS					
BUILDING	No.	FEEDER SIZE	PHASES	REMARKS	
MESS HALL	1	3" L.C. AND 1" BARE COPPER NEUTRAL	A-B & C-A	SEE NOTE "A"	
DORMITORY	2	2" L.C. AND 1" BARE COPPER NEUTRAL	C-A	SEE NOTE "D"	
	3		D-B		
	4		D-C		
	5		D-B		
	6		D-C		
	7		D-B		
	8		D-C		
	9		D-B		
	10		D-C		
	11		D-B		
ASSEMBLY HALL	12	3" L.C. AND 1" BARE COPPER NEUTRAL	A-B	SEE NOTE "C"	
BUSINESS OFFICE	13	2" L.C. AND 1" BARE COPPER NEUTRAL	D-C	SEE NOTE "D"	
OFFICER'S QUARTERS	15		D-B		

NOTE "A" THERE ARE TWO 100 A. MAIN SWITCHES IN PLACE ON THE MESS HALL WALL ONE OF WHICH SHALL BE FED FROM PHASE WIRES A & B AND THE OTHER FROM PHASE WIRES C & A.  
NOTE "B" THE DORMITORY SERVICE CABINETS SHALL BE SIMILAR IN TYPE AND MANNER OF INSTALLATION TO THOSE PROVIDED FOR THE DORMITORIES AT THE LORTON GROUP.  
NOTE "C" PROVIDE A NEW 200 A., 250 V., 4P-3 BLADE - 3Ø-3Ø MAIN SWITCH AND INSTALL ON INNER SIDE OF ASSEMBLY HALL WALL ADJACENT TO PRESENT MAIN DISTRIBUTION PANEL.  
NOTE "D" THE PRESENT MAIN SERVICE SWITCHES FOR BUILDINGS 13 & 15 WHICH ARE LOCATED IN THE TUNNELS SHALL BE RELOCATED ON THE INSIDE WALLS OF THE LIVING ROOMS ADJACENT TO THE ENTRANCE DOORS.

APPROVED BY THE COMMISSIONERS OF THE DISTRICT OF COLUMBIA SITTING AS A BOARD

SECRETARY.

REVISIONS	WORK RECORD	BUILDING D. C. WORKHOUSE	FILE NO.
	DRAWN BY W.D.L.	UNDERGROUND ELECTRICAL DISTRIBUTION SYSTEM	145-1
	CHECKED BY W.D.L.	LOCATION OCCOQUAN - VIRGINIA.	DRWG. NO.
	DATE 4-29-38	OFFICE OF MUNICIPAL ARCHITECT-WASHINGTON, D. C.	EWH
		CHIEF OF ARCHITECTURAL DIVISION	1
		CHIEF OF STRUCTURAL DIVISION	
		CHIEF OF MECHANICAL DIVISION	
		MUNICIPAL ARCHITECT	

-CEN 38-006

RETURN TRACINGS TO PLAN FILES