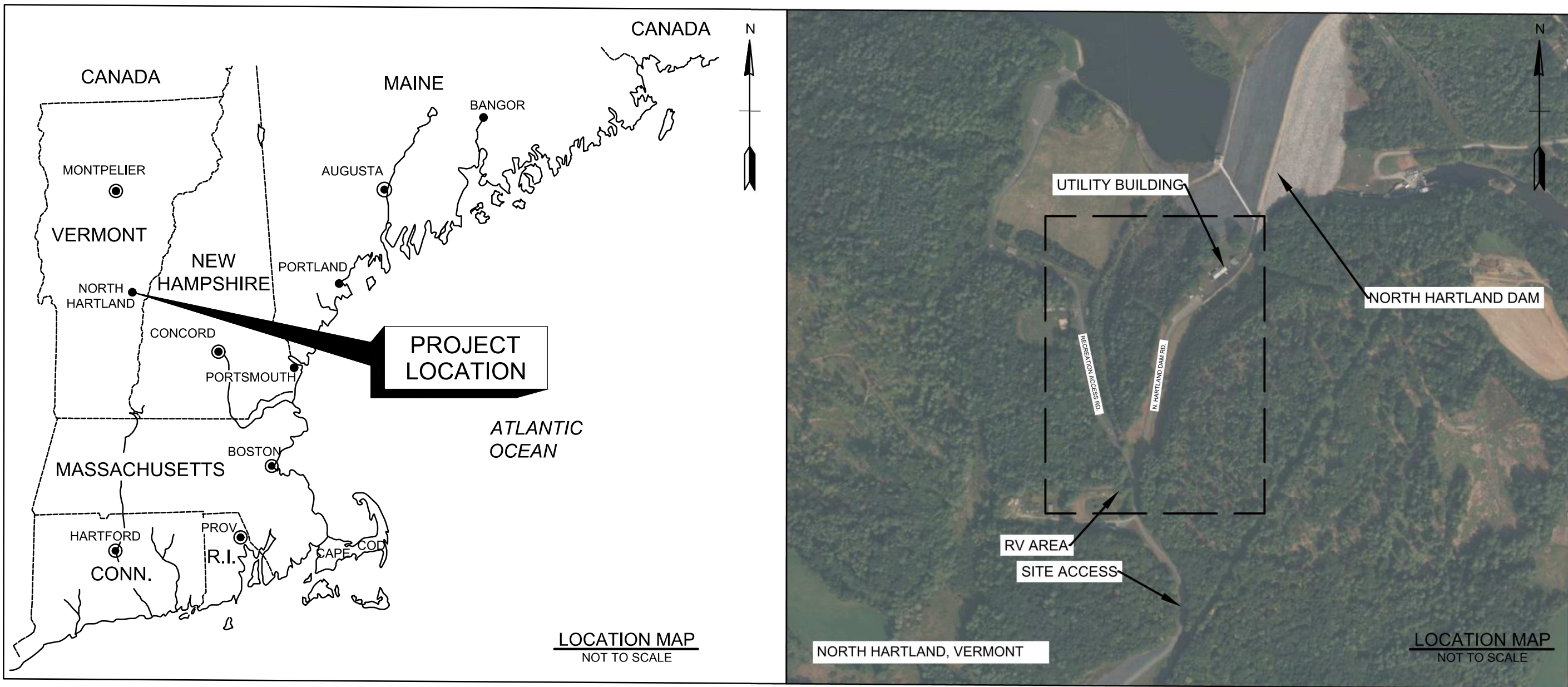




# ELECTRICAL UPGRADES TO RECREATION AREA NORTH HARTLAND LAKE HARTLAND, VERMONT



SOLICITATION NO.: W912WJ24B0007  
CONTRACT NO.:  
ISSUE DATE: FEBRUARY 2024

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2	G-101	CON-NH-510_G-101.DWG	GENERAL PLAN AND NOTES
3	C-101	CON-NH-510_C-101.DWG	SITE PLAN
4	C-102	CON-NH-510_C-102.DWG	SITE PLAN
5	C-103	CON-NH-510_C-103.DWG	SITE PLAN
6	C-104	CON-NH-510_C-104.DWG	SITE PLAN
7	C-105	CON-NH-510_C-105.DWG	SITE PLAN
8	C-501	CON-NH-510_C-501.DWG	CIVIL DETAILS
9	E-001	CON-NH-510_E-001.DWG	ELECTRICAL LEGEND, SYMBOLS, ABBREVIATIONS & GENERAL NOTES
10	ED601	CON-NH-510_ED601.DWG	ELECTRICAL DEMOLITION ONE-LINE DIAGRAM
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12	E-601	CON-NH-510_E-601.DWG	ELECTRICAL NEW WORK ONE-LINE DIAGRAM
13	E-701	CON-NH-510_E-701.DWG	EXISTING CONDITIONS PHOTOGRAPHS I
14	E-702	CON-NH-510_E-702.DWG	EXISTING CONDITIONS PHOTOGRAPHS II

[illegible]

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT CONCORD, NH 01742-2751	DESIGNED BY: B. J. NEWTON	ISSUE DATE: 08/01/92
	DRAWN BY: NEW ENGLAND	PROJECT NO.: W912WJ248B0007
	CHECKED BY: NEW ENGLAND	SHEET NO.: 1
	ITER REVIEWER: SUBMITTED BY: LPT/JMN	CONTRACT NO.: 1
	DATE: 08/01/92	SCALE: 1 OF 14
	SIZE: 11x17	SHEET 1 OF 14
	N.T.S.	

ELECTRICAL UPGRADES TO  
RECREATION AREA  
NORTH HARTLAND LAKE  
HARTLAND, VERMONT

COVER SHEET AND INDEX

SHEET ID  
G-001




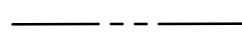









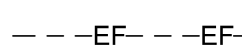















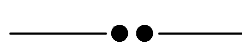
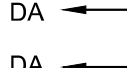
SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF ALL DRAWINGS IN THIS SET AS INDEXED ON THIS SHEET	
APPROVED FOR TECHNICAL ADEQUACY BY:	
TECHNICAL LEAD ENGINEER	DATE
REVIEWED BY:	
N/A	
CHIEF, GEOTECHNICAL/WATER RESOURCES BRANCH	DATE
REVIEWED BY:	
N/A	
CHIEF, GEO-ENVIRONMENTAL ENGINEERING BRANCH	DATE
APPROVAL RECOMMENDED BY:	
CHIEF, DESIGN BRANCH	DATE
APPROVED BY:	
CHIEF, ENGINEERING DIVISION	DATE

This project was designed by the U.S. Army Corps of Engineers. The initials or signatures and registration designations of individuals appear on these project documents, within the scope of their employment as required by ER 1110-1-8152.

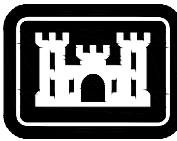


**D1** GENERAL PLAN: NORTH HARTLAND DAM  
SCALE: 1" = 200'



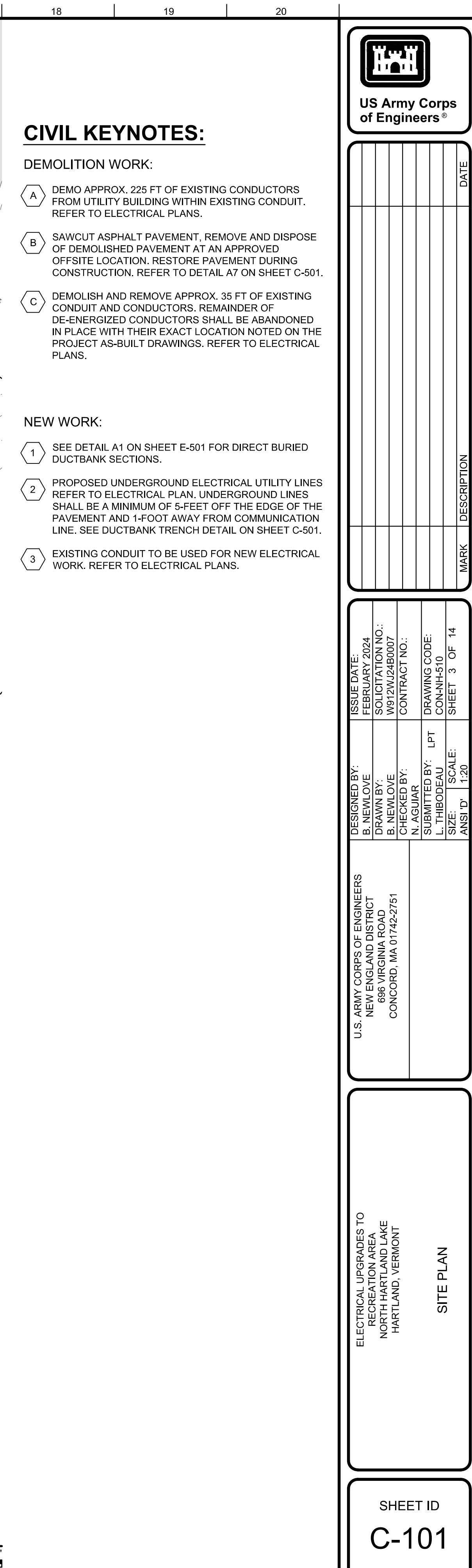
SYMBOL		DESCRIPTION
EXISTING	PROPOSED	
		BUILDING FOOTPRINT
		BITUMINOUS CONCRETE PAVEMENT AREAS
		STAGING AND STORAGE AREAS
		PROPERTY LINE
		ELECTRIC BOX
		ELECTRIC HANDHOLE
		WATER HYDRANT
		UTILITY POLE
		SANITARY MANHOLE
		SANITARY SEWER PIPING
		WATER LINE
		ELECTRIC FEEDER UNDERGROUND
		ELECTRIC SECONDARY UNDERGROUND
		ELECTRIC PRIMARY OVERHEAD
		COMMUNICATION LINE
		JUNCTION BOX
		ELECTRIC MANHOLE
		TREELINE
		ROCK
		SPOT ELEVATIONS
		DECIDUOUS TREE
		CONIFEROUS TREE
		SIGN
		MAJOR CONTOURS
		MINOR CONTOURS
		POST
		WELL
		CONSTRUCTION LIMITS OF WORK
		DIRECT BURIED DUCTBANK IDENTIFIER

1	400598.382	1676194.316	566.96	MAG NAIL
2	400512.743	1676466.728	573.54	MAG NAIL
3	400729.468	1676453.626	573.32	MAG NAIL
4	401192.805	1676553.135	573.39	MAG NAIL
5	401664.396	1676690.461	572.24	MAG NAIL
6	401656.802	1676893.955	576.10	MAG NAIL
7	401250.093	1676186.495	547.33	MAG NAIL
201	401856.834	1677037.05	573.40	MAG NAIL
202	401750.381	1676885.911	574.42	MAG NAIL

[illegible]

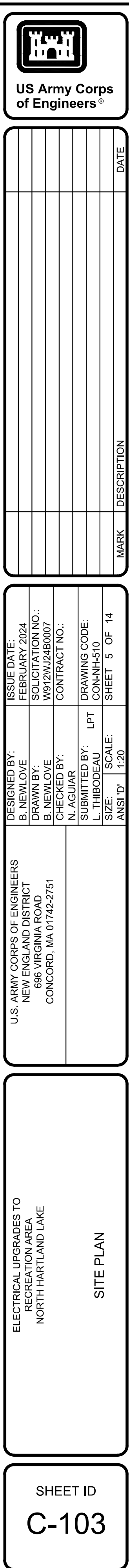
U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT 686 VIRGINIA ROAD CONCORD, MA 01742-2751	DESIGNED BY: B. NEWLOVE CHECKED BY: B. NEWLOVE ITR REVIEWER	ISSUE DATE: FEBRUARY 2024 DRAWING NO.: W912WJ24B00003 CONTRACT NO.:	DRAWING CODE: CONANH-510 SHEET NO. 2 OF 14
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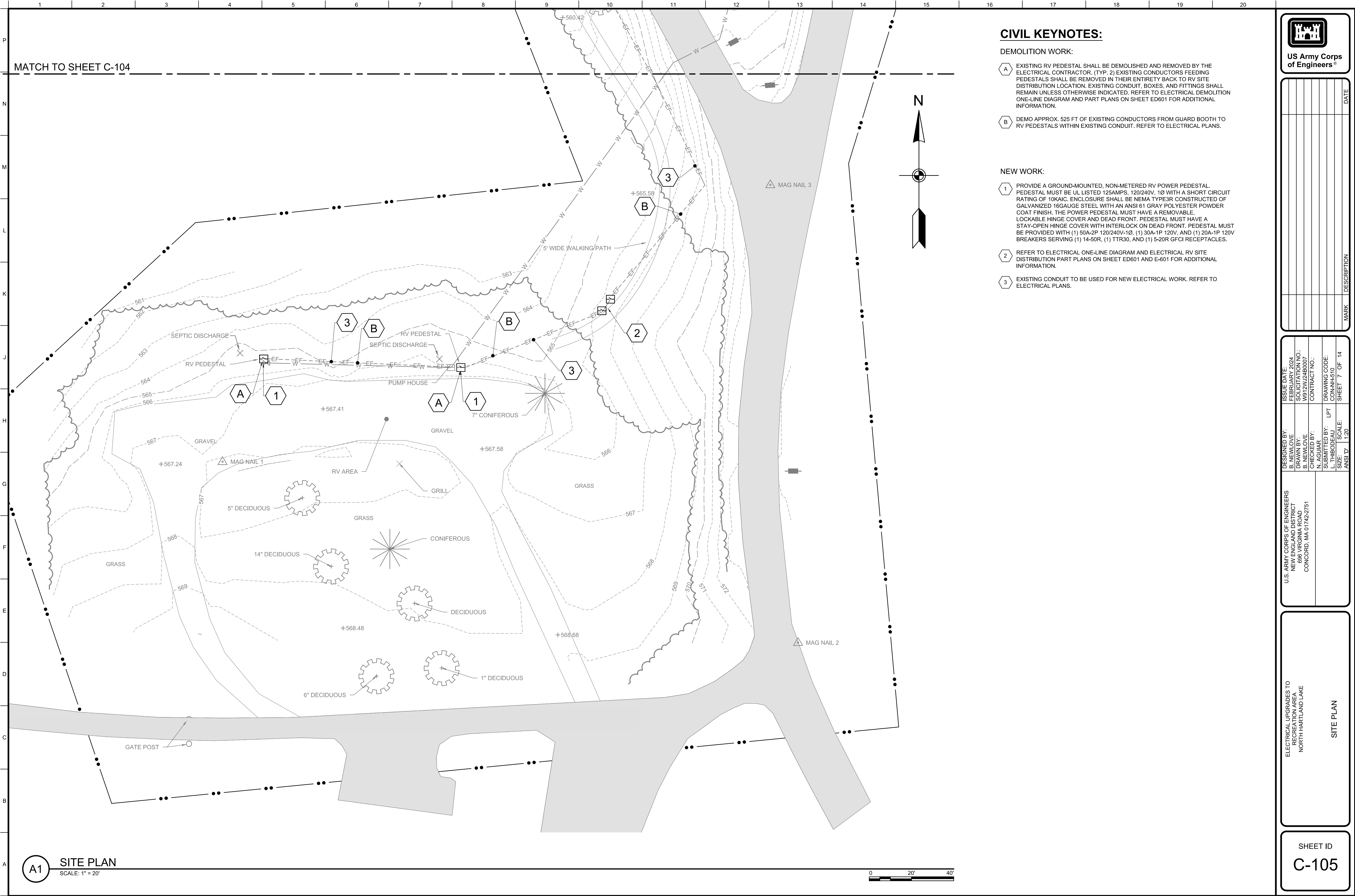














%PRODUCTION DATA 2%











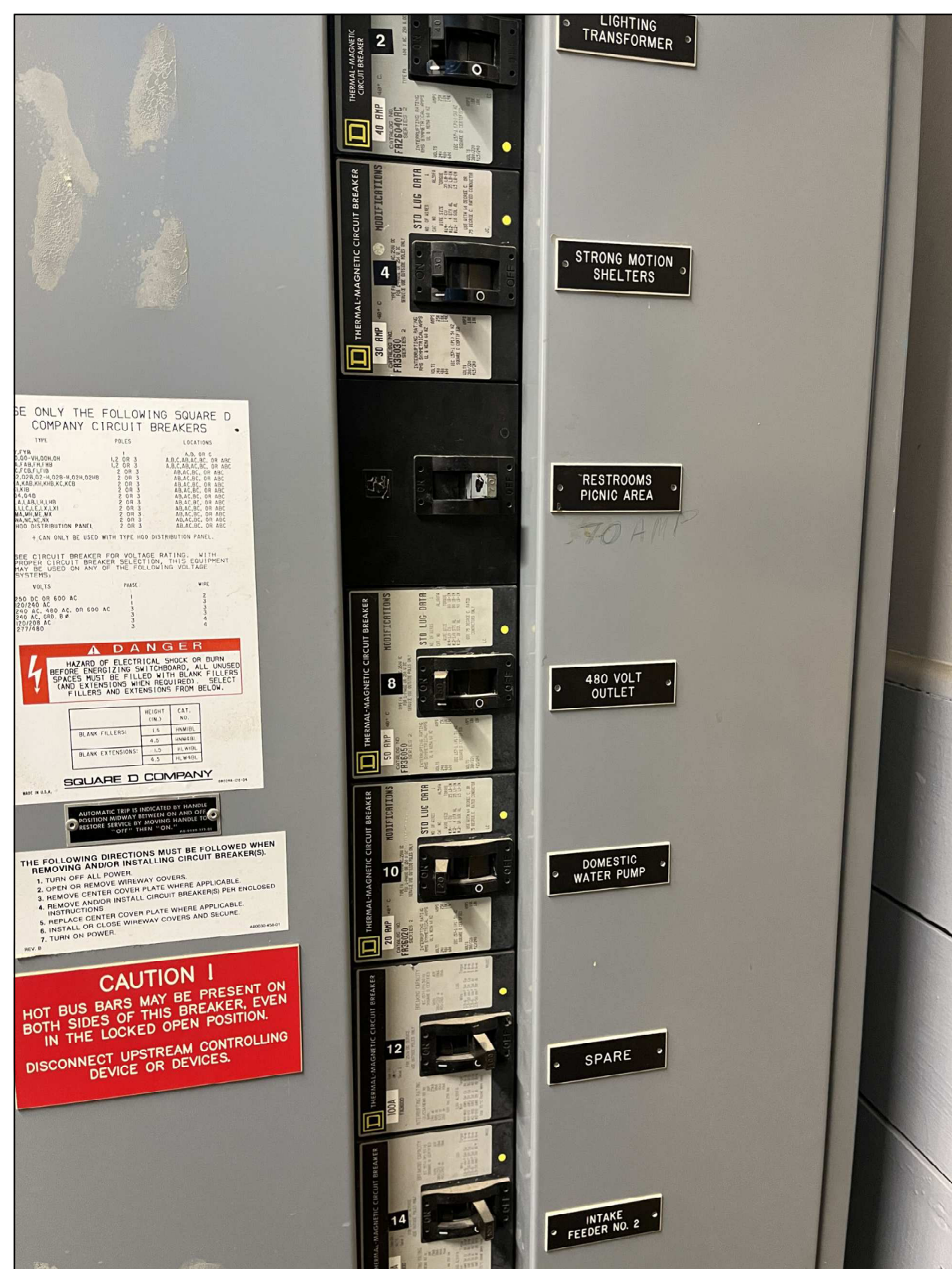


PANELBOARD SCHEDULE - POWER PANEL "REST ROOM"											
FED FROM: PICNIC SPLICE				NEUTRAL BUS: 100%				TUB: SINGLE			
VOLTAGE: 120/240V, 1Ø, 3WIRE				GROUND BUS: EQUIPMENT				MOUNTING: SURFACE			
AMPERE RATING: 100A				AIRC RATING: 10,000				LOCATION: TOOL SHED			
MAINS: 30A MCB				BUSSING: COPPER				ENCLOSURE: NEMA 3R			
DESCRIPTION	LOAD kVA	BREAKER POLE	TRIP	CKT. NO.	Ø	CKT. NO.	BREAKER POLE	TRIP	LOAD kVA	DESCRIPTION	
LIGHTS (EXISTING LOAD)	0.7	1	20	1	A	2	1	15	0.7	NATURE CTR.-LIGHTS (EXISTING LOAD)	
RECEPTACLE (EXISTING LOAD)	0.4	1	20	3	B	4	1	20	0.4	NATURE CTR.-OUTLETS (EXISTING LOAD)	
SHELTER OUTLET (EXISTING LOAD)	0.2	1	20	5	A	6	1	30	-	SPARE	
SPARE	-	1	20	7	B	8	1	15	-	SPARE	
SPARE	-	1	20	9	A	10	1	20	-	SPARE	
SPARE	-	1	20	11	B	12	1	20	-	SPARE	
PREPARED SPACE	-	1	-	13	A	14	1	-	-	PREPARED SPACE	
PREPARED SPACE	-	1	-	15	B	16	1	-	-	PREPARED SPACE	
PREPARED SPACE	-	1	-	17	A	18	1	-	-	PREPARED SPACE	
		1.3		LOAD SUB-TOTALS: kVA						1.1	
TOTAL CONNECTED LOAD     = <u>2.4 kVA</u>											
DEMAND + 15% SPARE       = <u>2.8 kVA</u>											









**EXISTING DISTRIBUTION CIRCUIT  
BREAKERS - MDP (UTILITY BUILDING)**



H8 EXISTING TRANSFORMER PRIMARY  
DISCONNECT (REST ROOM)  
SCALE: N.T.S



**EXISTING 5KVA TRANSFORMER  
(REST ROOM)**



**EXISTING PANELBOARD  
(REST ROOM)**



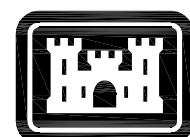
**EXISTING 10kVA TRANSFORMER  
(GUARD BOOTH)**

A8

SCALE: N.T.S



**EXISTING WIREWAY, PANELBOARD &  
RV SITE DISCONNECT (GUARD BOOTH)**



**US Army Corps  
of Engineers®**

[illegible]

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT CONCORD, MA 01742-2751	DESIGNED BY: J. BRACKIN	ISSUE DATE: 01/01/2024
	DRAWN BY: J. NEWTON	SUBMITTION NO.: W912W24B0007
	CHECKED BY: J. BRACKIN	CONTRACT NO.: 2122
	SUBMITTED BY: J. BRACKIN	DRAWING CODE: J. BRACKIN
	DATE: 01/01/2024	SCALE: AS SHOWN
	SIZE: ANSI D	SHEET: 13 OF 14
	N.T.S.	

ELECTRICAL UPGRADES TO  
RECREATION AREA  
NORTH HARTLAND LAKE

## EXISTING CONDITIONS PHOTOGRAPHS

SHEET ID  
E-701



[illegible]

U.S. ARMY CORPS OF ENGINEERS NEW YORK AND DISTRICT 686 VIRGINIA ROAD CONCORD, MA 01742-2751	DESIGNED BY: J. NEWTON NEWTON	ISSUE DATE: FEBRUARY 2024
	CHECKED BY: J. BRACKIN	DRAWING NO.: W912W24B0001
	SUBMITTED BY: J. BRACKIN	CONTRACT NO.:
	DRAWING CODE: NEWMAN-15	
	SIZE: ANSI D	SHEET 14 OF 14
	SCALE: N.T.S.	

ELECTRICAL UPGRADES TO  
RECREATION AREA  
NORTH HARTLAND LAKE  
HARTLAND, VERMONT

EXISTING CONDITIONS  
PHOTOGRAPHS

SHEET ID  
E-702