

CHURCH PANEL DETAIL

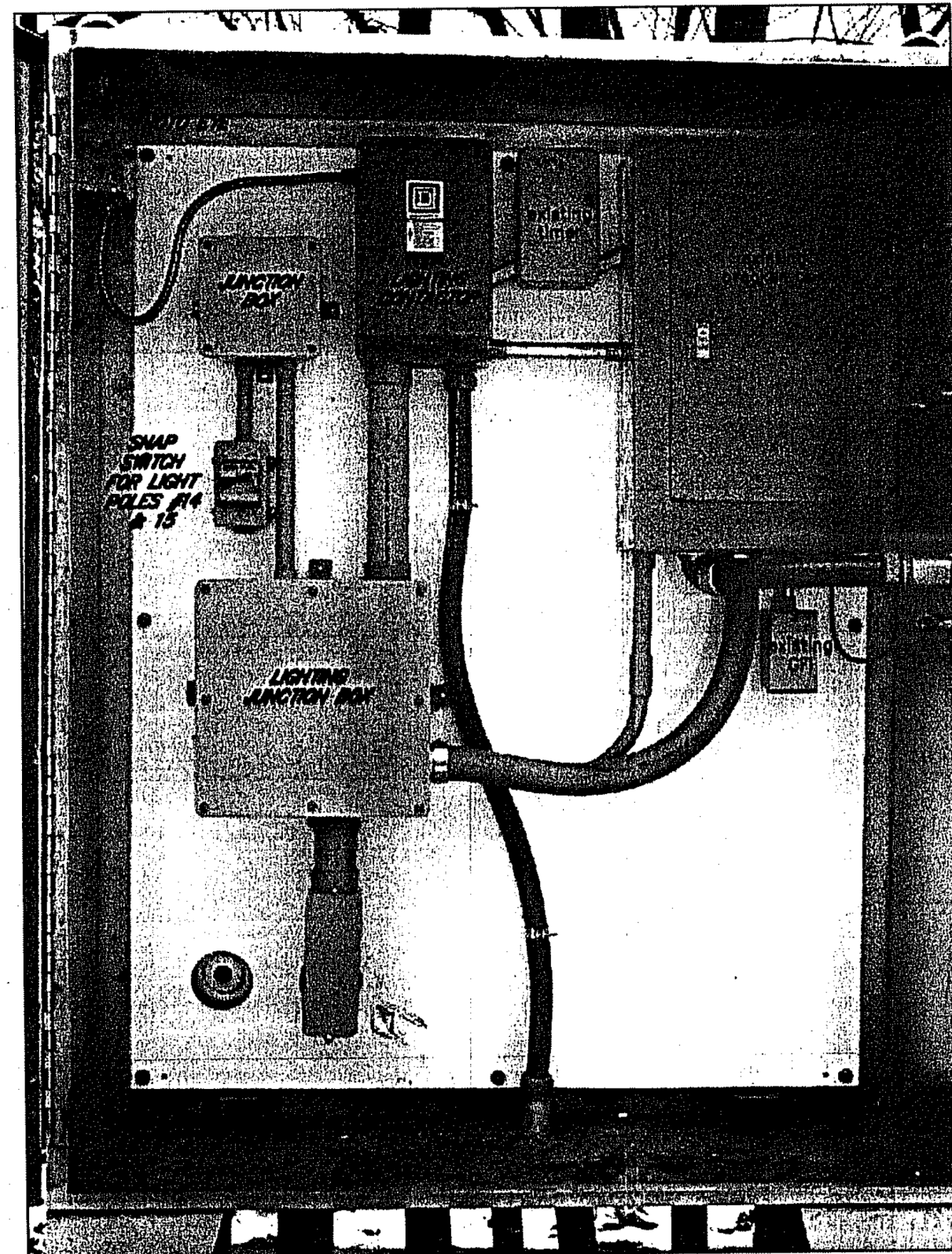
PROVIDE AND INSTALL (3) NEW 240V 20 AMP BREAKERS TO FIT EXISTING NQDD 120V PANEL. REFER TO LUMINAIRE SCHEDULE FOR CIRCUITING OF FIXTURES. ALL NEW CIRCUITS WILL BE CONTROLLED BY PHOTO EYE. (3) CIRCUIT BREAKERS SHALL BE PROVIDED FOR LUMINAIRE CIRCUITS.

PROVIDE NEW SNAP SWITCH TO DISCONNECT LUMINAIRE #14, #15, ALLOWING LUMINAIRE #11, #12 TO REMAIN ON.

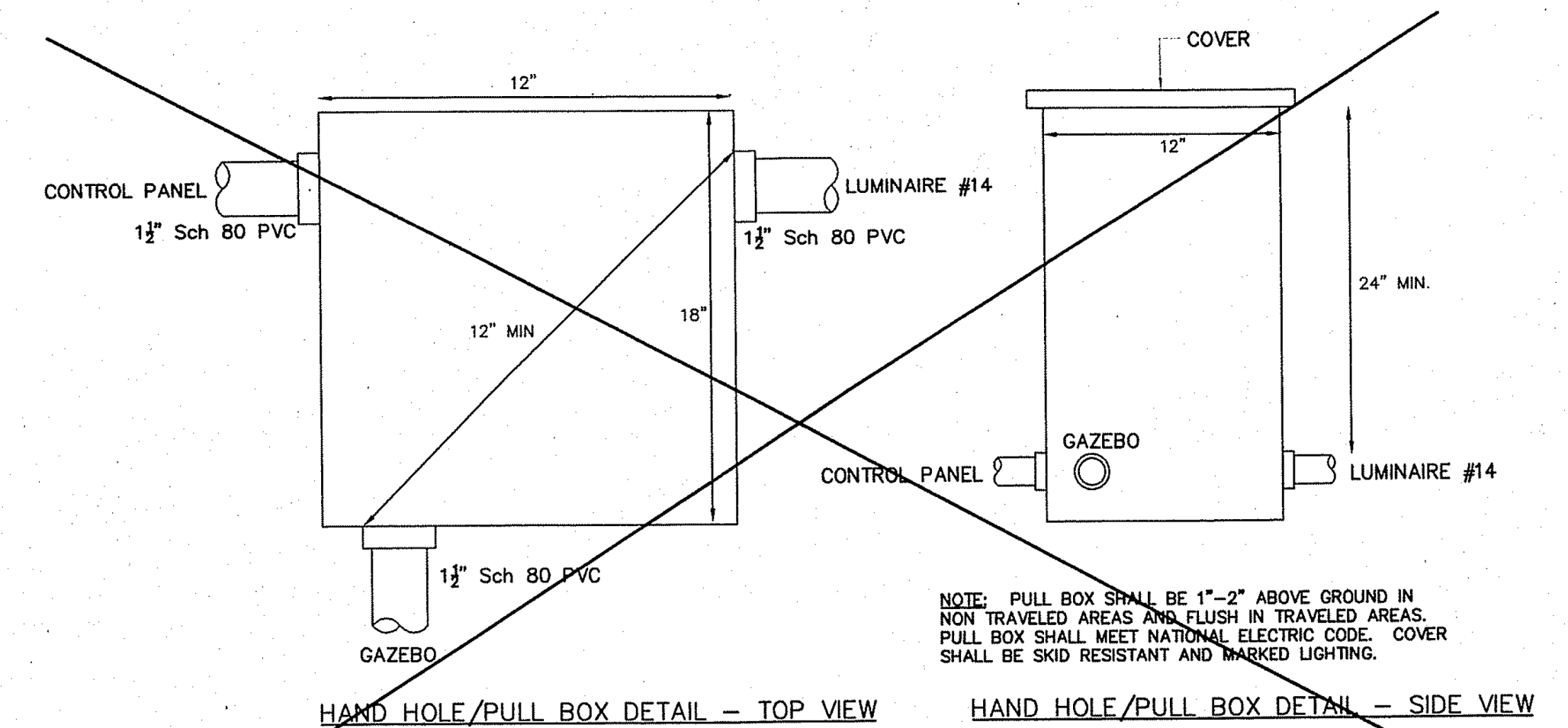
CALL 1-888-DIG SAFE PRIOR TO ALL EXCAVATION, AS WELL AS APPROPRIATE TOWN PERSONNEL FOR CONFIRMATION OF EXISTING UTILITIES.

A COMPLETE AS-BUILT DOCUMENT SHALL BE PROVIDED TO THE ENGINEER-OF-RECORD OF ALL LOCATIONS OF CONDUIT, CONDUIT SIZING AND WIRE SIZING.

RECEPTACLES ON LIGHT POLES ONLY ENERGIZED WHEN POLES ARE LIT.



CONTROL PANEL DETAIL



ELECTRICAL PANEL SCHEDULE: EXISTING

VOLTAGE: 240/120 Vac LOCATION: TOWN GREEN FED FROM: POWER PANEL
 AMPERAGE: 100 A MAKE: SQUARE D FEED DATA: XXXXX
 CATALOG NO: NQDD12M100CU

LOAD DESCRIPTION	CKT. BKR.	CKT. NO.	CKT. BKR.	LOAD DESCRIPTION
TIME CLOCK	1P-15A	1	2	1P-15A SPARE
SITE LIGHTS	1P-15A	4	4	1P-15A SPARE
SPARE	1P-15A	5	6	1P-15A GFI
SPARE	1P-20A	7	8	1P-20A SPARE
MAIN DISCONNECT	2P-100A	9	10	1P-20A SPARE
		11	12	1P-20A SPARE

NOTES:

LUMINAIRE SCHEDULE

Luminaire No.	Circuit No.	Pole Base	Notes
8	1	Existing, Recessed pole next to existing metal pole to be removed.	
1	1	New	
2	1	New	
3	1	Existing	
4	1	Existing	
5	1	Existing	
6	1	New	
7	1	Existing, Recessed.	
9	1	New	
11	2	New	
12	2	Existing wooden pole to be removed.	
14	2	New	Switched
15	2	New	Switched
16	3	New	
17	3	New	
18	3	Existing	

CONDUIT SCHEDULE

From Luminaire No.	To Luminaire No.	Conduit Size/Type	Conductors	Spare Conductors	Notes
8	1	1-1/2" Sch 80 PVC	(3) #4, #4 GG	None	
1	2	1-1/2" Sch 80 PVC	(3) #4, #4 GG	None	
4	3	1-1/2" Sch 80 PVC	(3) #4, #4 GG	None	
4	3	Existing	(3) #4, #4 GG	None	
4	5	Existing	(3) #4, #4 GG (3) #10, #12 GG	None	Power for Fountain Included
5	Pull Box	Existing	(3) #4, #4 GG (3) #10, #12 GG	None	Power for Fountain Included
Pull Box	6	1-1/2" Sch 80 PVC	(3) #4, #4 GG	None	
6	7	1-1/2" Sch 80 PVC	(3) #4, #4 GG	None	
7	9	1-1/2" Sch 80 PVC	(3) #4, #4 GG	None	
Pull Box	Existing Control Panel	1-1/2" Sch 80 PVC	(3) #4, #4 GG (3) #10, #12 GG	None	
11	12	1-1/2" Sch 80 PVC	(3) #4, #4 GG	None	
12	15	1-1/2" Sch 80 PVC	(3) #4, #4 GG	None	Stub for future
14	15	1-1/2" Sch 80 PVC	(6) #4, #4 GG	None	
14	Exist Control Panel	1-1/2" Sch 80 PVC	(6) #4, #4 GG	None	
Control Panel	Church Panel	1-1/2" Sch 80 PVC	(8) #6, #4 GG	None	
Church Panel	Pull Box	Existing	(2) #4, #4 GG	None	
Control Panel	16	1-1/2" Sch 80 PVC	(3) #4, #4 GG	None	
16	17	1-1/2" Sch 80 PVC	(3) #4, #4 GG	None	
17	18	1-1/2" Sch 80 PVC	(3) #4, #4 GG	None	

ELECTRICAL PANEL SCHEDULE: REVOKED PANEL

VOLTAGE: 240/120 Vac LOCATION: TOWN GREEN FED FROM: POWER PANEL
 AMPERAGE: 100 A MAKE: SQUARE D FEED DATA: XXXXX
 CATALOG NO: NQDD12M100CU

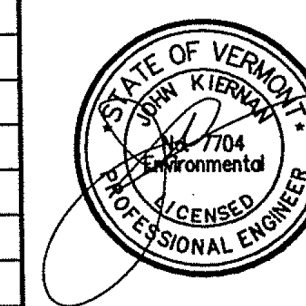
LOAD DESCRIPTION	CKT. BKR.	CKT. NO.	CKT. BKR.	LOAD DESCRIPTION
1A-TIME CLOCK/GFI	2020	1	2	220
1B-PARK SITE LIGHTS	2020	3	4	220
3A-POST AND MAPLE TREE RECEPTACLE	250	5	6	220
3B-FOUNTAIN	250	7	8	220
SUB PANEL / CHURCH PANEL	220	9	10	220
MAIN STREET, POST OFFICE STREET LIGHTS	2100	11	12	220
MAIN BREAKER		13	15	

NOTES:

RECORD DRAWING

Record drawings have been prepared, in part, on the basis of information compiled and furnished by others. The engineer will not be responsible for any errors or omissions which have been incorporated into this document as a result. The location of items shown without labeled measurements are to be considered as approximate; do not scale the drawing to determine the actual location. All record drawing information is shown in *italics*.

REVISIONS



THE DRAWINGS FOR THIS PROJECT SHALL NOT BE REUSED OR ALTERED IN ANY WAY WITHOUT THE WRITTEN APPROVAL AND AUTHORITY OF THE ENGINEER. ANY REVISIONS SHALL BE MADE BY THE ENGINEER AND NOTED IN THE REVISION BLOCK.

PHELPS ENGINEERING, INC.

PHELPS ENGINEERING, INC.
 FROG HOLLOW MILL
 3 Mill St., P.O. Box 367
 Middlebury, Vt. 05753
 Telephone (802) 388-7829

TOWN OF MIDDLEBURY
 VILLAGE AREA
 HISTORICAL LIGHTING PLAN
 MIDDLEBURY, VERMONT

SCALE: SHOWN DR. BY: JS SHEET NO. 2R OF 3R DWG. NO. 200403-2R
 DATE: 12/6/04 CK'D BY: JK

DETAILS AND NOTES