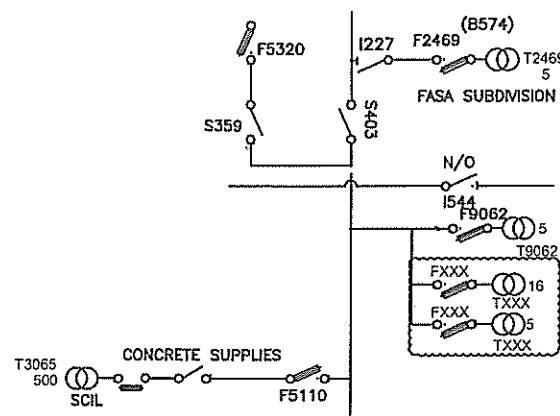


SINGLE LINE DIAGRAM:

DRWG No. : 04 N20 058







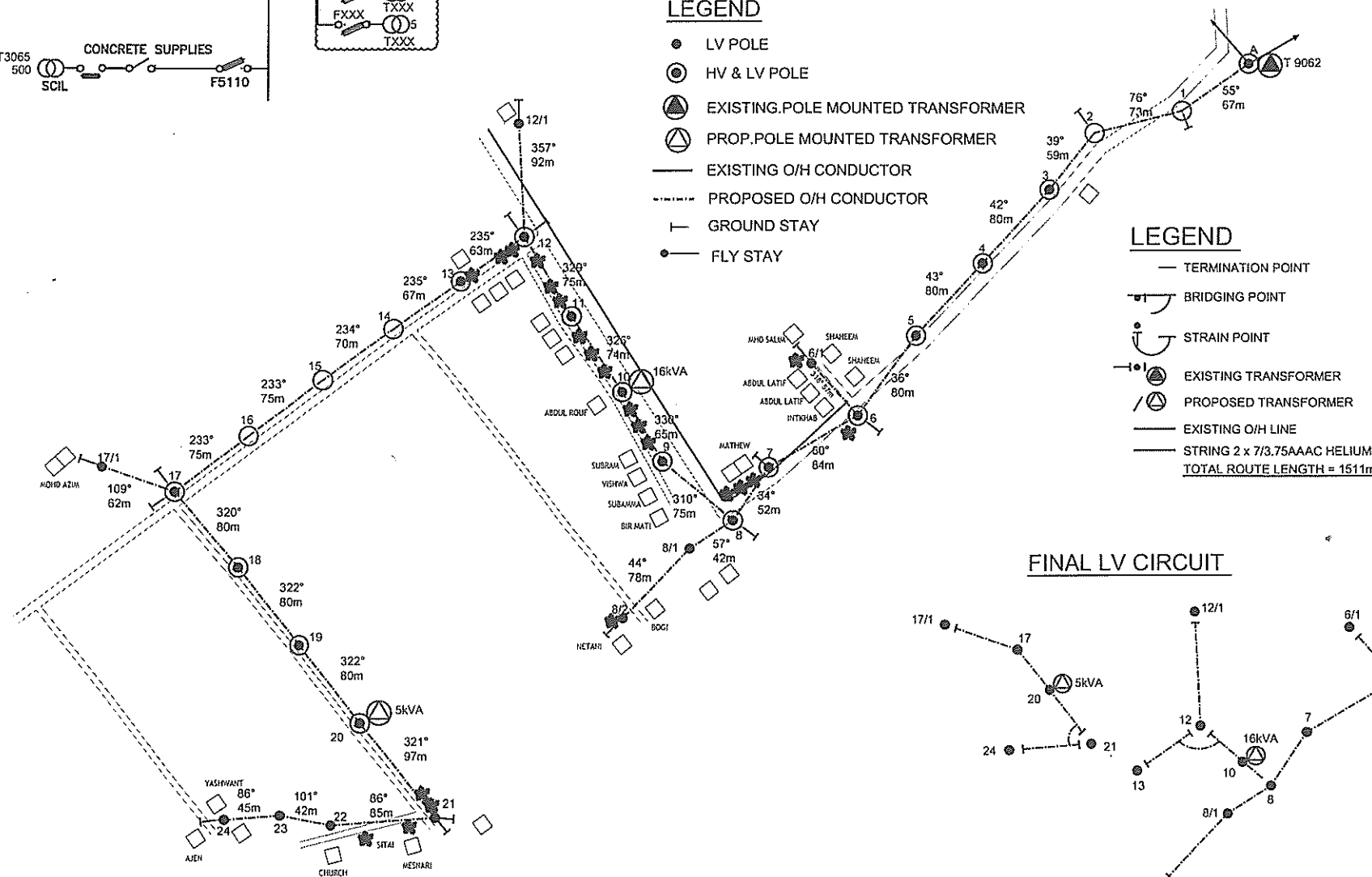
1. ERECT CONC. 10.2m POLES AT LOCATIONS MARKED
1,2,3,4,5,6,6/1,7,8,8/1,8/2,9,11,12,12/1,13,14,15,16,17,17/1,18,19,21,22,23, & 24.
2. ERECT CONC. 11m POLES AT LOCATIONS MARKED 10 & 20.
3. STRING 1Ø HV HELIUM CONDUCTOR FROM POLE A TO 20 VIA POLES 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18 & 19.
4. INSTALL 16KVA TRANSFORMER AT POLE 10.
5. INSTALL 5KVA TRANSFORMER AT POLE 20.
6. STRING 1Ø LV HELIUM CONDUCTOR FROM POLE 3 TO 13 VIA POLES 4,5,6,6/1,7,8,8/1,8/2,9,10,11,12,12/1 AND FROM POLE 17/1 TO 24 VIA POLES 17,18,19,20, 21,22 & 23.

LEGEND

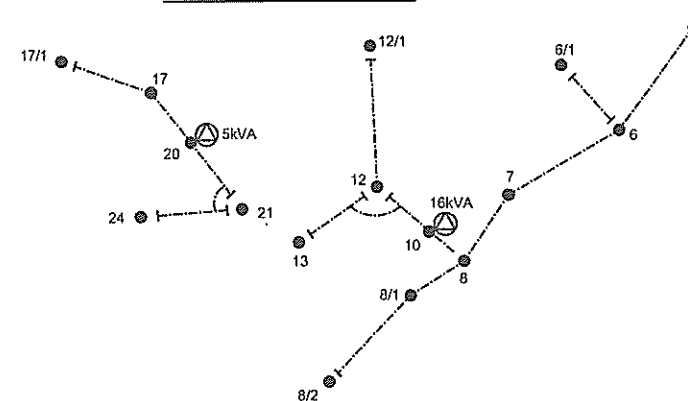
- LV POLE
 ⊙ HV & LV POLE
 ◡ EXISTING POLE MOUNTED TRANSFORMER
 ◡ PROP. POLE MOUNTED TRANSFORMER
 — EXISTING O/H CONDUCTOR
 - - - - - PROPOSED O/H CONDUCTOR
 T GROUND STAY
 • — FLY STAY
- 42°
 80m
 4

LEGEND

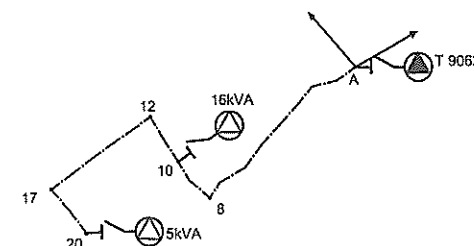
- TERMINATION POINT
 BRIDGING POINT
 STRAIN POINT
 EXISTING TRANSFORMER
 PROPOSED TRANSFORMER
— EXISTING O/H LINE
— STRING 2 x 7/3.75AAAC HELIUM
TOTAL ROUTE LENGTH = 1511m








FINAL LV CIRCUIT



FINAL HV CIRCUIT

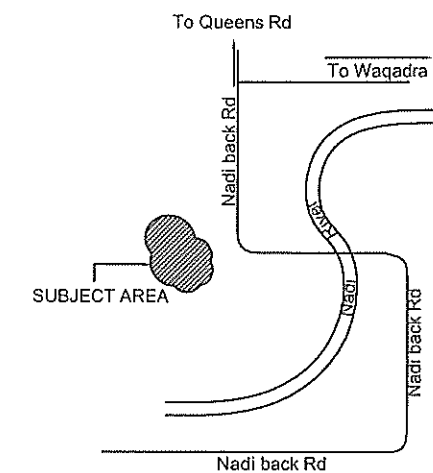


LEGEND

- HV POLE
 -  EXIST. POLE MOUNTED TRANSFORMER
 -  PROP. POLE MOUNTED TRANSFORMER
 -  DROP OUT FUSE
 -  EXISTING O/H CONDUCTOR
 -  STRING 2 x 73.75AAAC HELIUM.
- TOTAL ROUTE LENGTH = 1454m

POLE SCHEDULE

POLE No.	POLE DESCRIPTION WOOD/CONC OR EXISTING	POLE Length and Strength m/kN	SPAN m	ANGLE OF LINE DEVIATION IN DEG.	POLE TOP DESCRIPTION OR TYPE No.				REMARKS
						GRND	SIDE-WALK	FLY	
A	EXIST.	EX		--	EXIST+14A				STRING 1Ø HV HELIUM ONLY
1	CONC.	10.2	67	21	12A	1			" " " "
2	CONC.	10.2	73	37	12A	1			" " " "
3	CONC.	10.2	59	3	11A+3A				STRING 1Ø HV + PROP.1Ø LV
4	CONC.	10.2	80	1	11A+1A				" " " "
5	CONC.	10.2	80	7	11A+1A				" " " "
6	CONC.	10.2	80	24/--	12A+3A+2A	1			" " " "
6/1	CONC.	10.2	57	--	3A	1			" " " "
7	CONC.	10.2	84	26	12A+2A	1			" " " "
8	CONC.	10.2	52	23/--	13A+3A+1A+3A	1			" " " "
8/1	CONC.	10.2	42	13	2A				STRING 1Ø LV
8/2	CONC.	10.2	78	--	3A	1			" " " "
9	CONC.	10.2	75	20	12A+2A				STRING 1Ø HV + PROP.1Ø LV
10	CONC.	11	65	4	11A+1A+REM	1			INSTALL 16KVA TX
11	CONC.	10.2	74	3	11A+1A	1			STRING 1Ø HV + PROP.1Ø LV
12	CONC.	10.2	75	94	13A+13A+3A+2A	2			STRING 1Ø HV + PROP.1Ø LV
12/1	CONC.	10.2	92	--	3A	1			STRING 1Ø LV
13	CONC.	10.2	63	--	11A+3A				STRING 1Ø HV + PROP.1Ø LV
14	CONC.	10.2	67	1	11A	1			STRING 1Ø HV
15	CONC.	10.2	70	1	11A				" " " "
16	CONC.	10.2	75	--	11A				" " " "
17	CONC.	10.2	75	211	13A+13A+3A+2A	2			STRING 1Ø HV + PROP.1Ø LV
17/1	CONC.	10.2	62	--	3A	1			" " " "
18	CONC.	10.2	80	2	11A+1A				STRING 1Ø HV + PROP.1Ø LV
19	CONC.	10.2	80	--	11A+1A				" " " "
20	CONC.	11	80	1	13A+1A+REM	1			INSTALL 5KVA TX
21	CONC.	10.2	97	235	3A+3A	2			STRING 1Ø LV
22	CONC.	10.2	85	15	2A				" " " "
23	CONC.	10.2	42	15	2A				" " " "
24	CONC.	10.2	45	--	3A	1			" " " "



0	ORIGINAL ISSUE	16.10.17	SK				
No.	REVISION	DATE	BY	CHK	PSD	APP	

DRAWN	SHANE	16.10.17
CHECKED	TIVAM	18.10.17
CHIEF DRAUGHTSMAN	DEEPAK	18.10.17
TEAM LEADER DESIGN & PLANNING	<i>[Signature]</i>	18.10.17
ENGINEER	<i>[Signature]</i>	18.10.17
HEAD OF DEPARTMENT	<i>[Signature]</i>	18.10.17

FIJI ELECTRICITY AUTHORITY

SUPPLY TO BILA, WAQADRA
NADI DISTRICT (NA10-16)
NADI

DRAWING NUMBER

A3	04	N84	201
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SCALE NTS