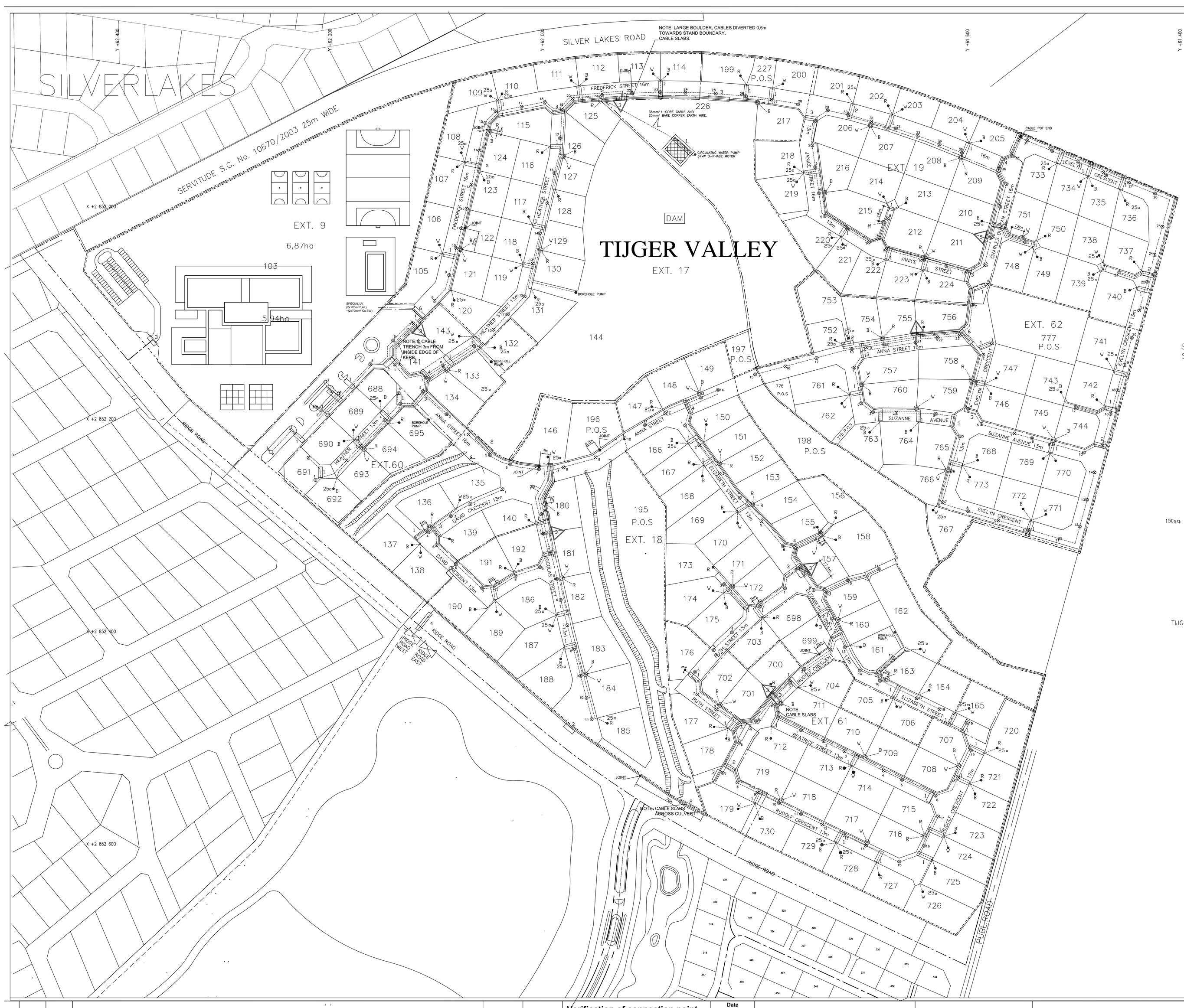

SYSTEM: WAPADRAND.
SUPPLY AREA: WAPAD SUPPLY AREA.

SYMBOLS and DESCRIPTIONS

- NEW T4 UNIT
- EXISTING T4 UNIT
- NEW MINIATURE SUBSTATION
- NEW METERING CUBICLE
- NEW STREETLIGHT TWO BY 70w HPS LUMINAIRES ON 8,5m POLES AT 7,0m MOUNTING HEIGHT, DOUBLE 500mm OUTREACH ARMS.
- NEW POST TOP STREELIGHT 70w HPS AT 3,5m MOUNTING HEIGHT
- NEW POST TOP STREETLIGHT WITH CONTROL UNIT 70w HPS AT 3,5m MOUNTING HEIGHT
- Cable Sleeves (x denotes the number of sleeves)
- 11kV Main Feeder Cable (MV Cable)
- 120mm² 4-core LV Connection Cable (A1)
- 16mm² 3-core Streetlight or House Connection Cable
- 16mm² 4-CORE CABLE WITH 16mm² BARE EW
- PHOTOCELL CABLE 1,5mm² 3-CORE
- TRANSFORMER BOUNDARY
- 35mm² 4-CORE CABLE WITH 25mm² BARE EW
- TOWNSHIP BOUNDARY

MV SCHEMATIC DIAGRAM
TIJGER VALLEY EXTENSIONS 9, 17, 18, 19, 60, 61, 62.

NOTES

1). Cables shall be laid at a depth of 900mm below the final ground level, on a 100mm bed of sand or soft soil. The first 300mm of backfill shall be of sand or soft soil.
The innermost cable in the road reserve (MV or LV as indicated on the drawings) shall be laid in a trench with the inner edge at 1.300metres from the stand boundary. Any additional cables shall be laid parallel to the first cable with a spacing of 150mm between cables.
All sleeves for electrical cables shall be 110mm diameter black corrugated PVC pipes by Nextube. The number of sleeves, to be laid in parallel, at any one crossing, are indicated on the drawings.

2). Supplies to boreholes to be provided by 16mm² 4-core cables with 16mm² bare copper earth wires.

3). Supply to circulating water pump to be provided by a 35mm² 4-core cable with a 25mm² bare copper earth wire.

REVISION 1 GENERAL
15-10-07 ERF NUMBERING CHANGED
21-12-07 AS BUILT

A							Verification of connection point by Specialist Engineering: 11kV or LV	Date				
B												
C							Verification of electrical design by Specialist Engineering: Development	Date				
D												
E							Electrical Development	Date				
No.	Date	Drawn	Amendment		Requested	Checked						

CITY OF TSHWANE
"we are the same"

ELECTRICITY DIVISION
GENERAL MANAGER ELECTRICITY
J.A. EHRICH. Pr. Ing.
PO BOX 423
PRETORIA
0001
TEL: 308 4368 FAX: 308 4397

APPROVED BY
for Electricity Division
DATE:
SCALE: 1 : 1250

TIJGER VALLEI

EXTENSIONS: 9, 17, 18, 19, 60, 61 and 62

MAKERS DRAWING NO. 20- 17/37/39- 1001/2
ELECTRICITY DRAWING NO.

Design:
Drawn:
Checked:
Date:
Sheet: of

Project	THE RIDGE AT HAZELDENE Tijger Valei Extension 9, 17, 18, 19, 60, 61 and 62						
Client	SABLE HOMES NORTH (PTY) LTD						
DRAWING TITLE	DRG NUMBER	Revision/Date					
MV CABLES	20-37-1001	0	26-04-07	1	05-08-07	2	14-08-07
LV CABLES	20-37-1002	0	26-04-07	1	05-08-07	2	19-08-07
		3	29-10-07	4	21-12-07		
SLEEVES	20-17-1001	0	26-04-07	1	26-05-07	2	05-08-07
		3	29-10-07	4	21-12-07		
STREET LIGHTING	20-39-1001	0	09-04-07	1	05-08-07	2	28-08-07
		3	19-08-07	4	29-10-07	5	21-12-07

Hammerschlag and Hugo
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