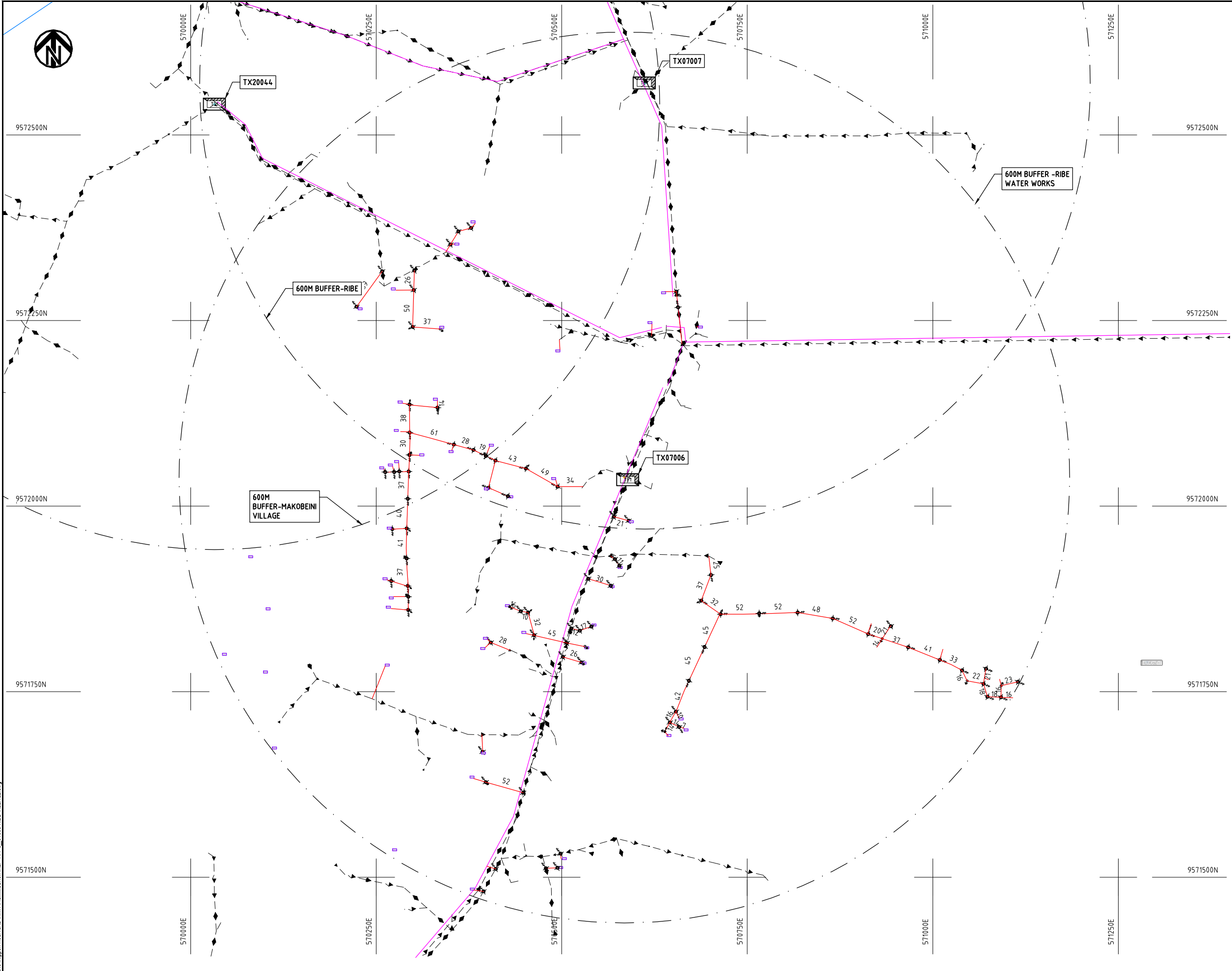
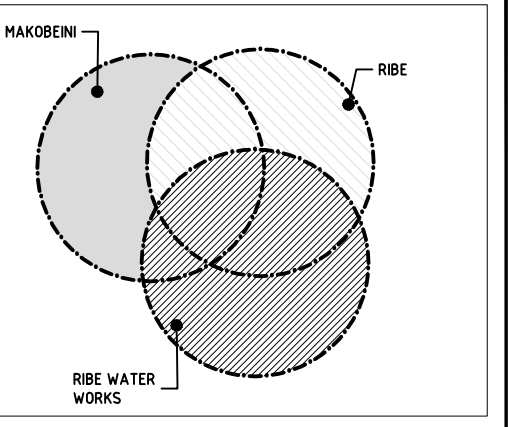


キリフィ郡

Maximization



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



KEY PLAN

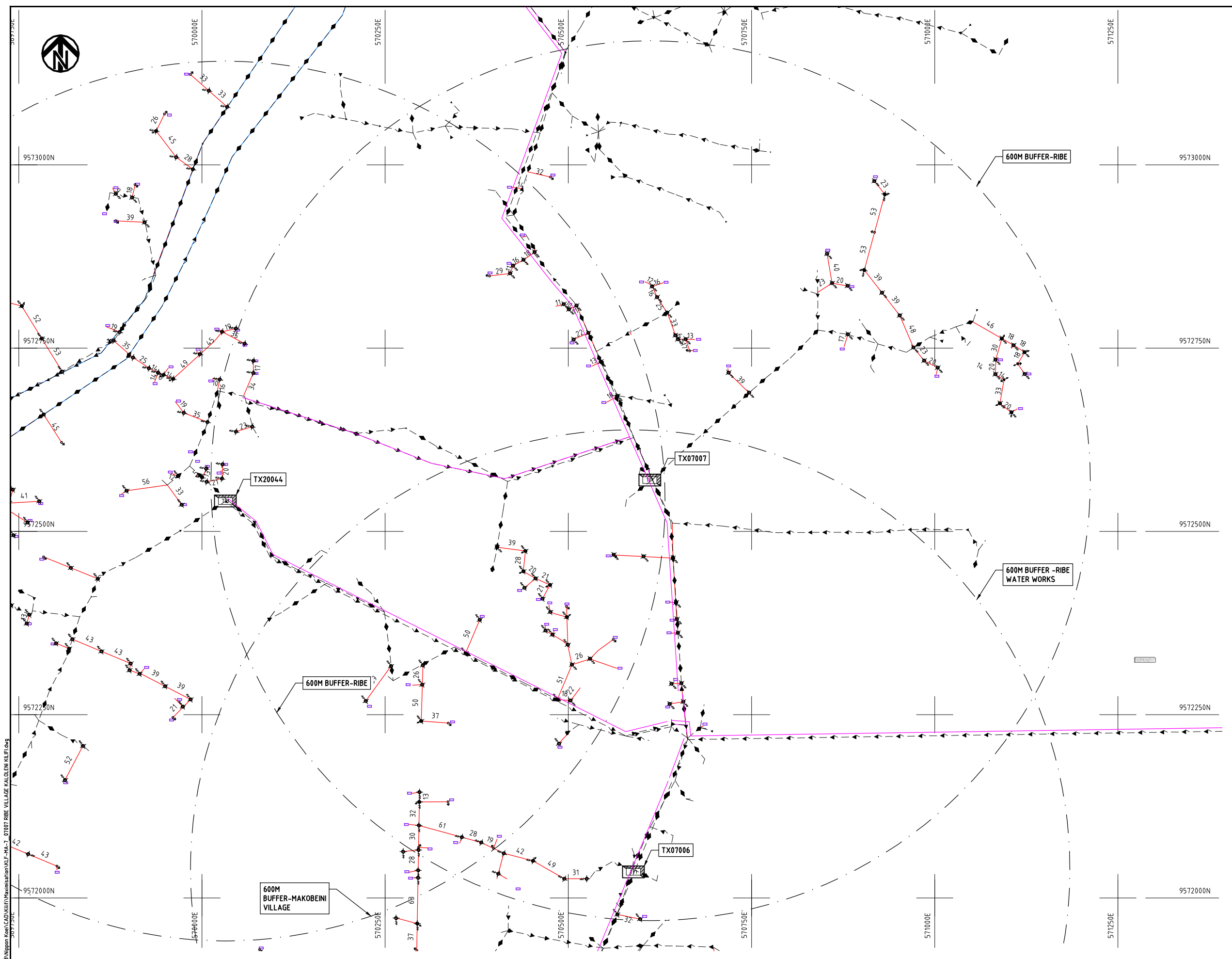
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



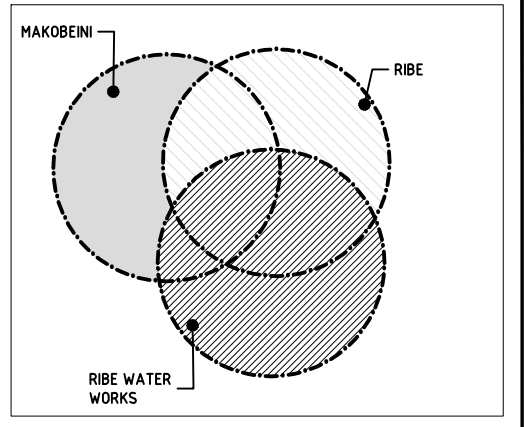
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07006-RIBE VILLAGE		KLF-MA-6	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



KEY PLAN

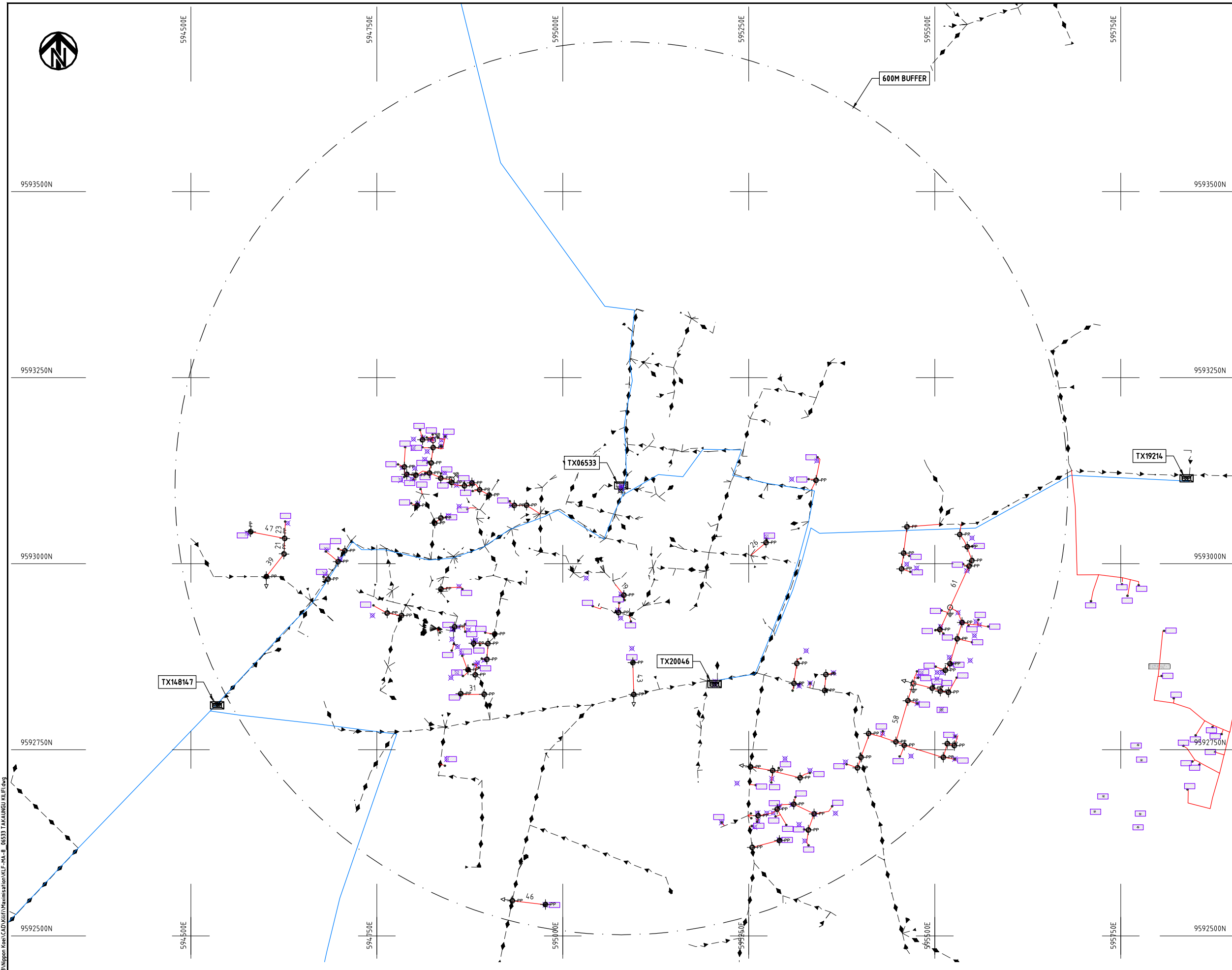
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-7_01\07 RIBE VILLAGE KALOLENI KILIFI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07007-RIBE VILLAGE KALOLENI KILIFI		DRAW. NO.	PREPARED BY	A.AKBAR
			KLF-MA-7	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



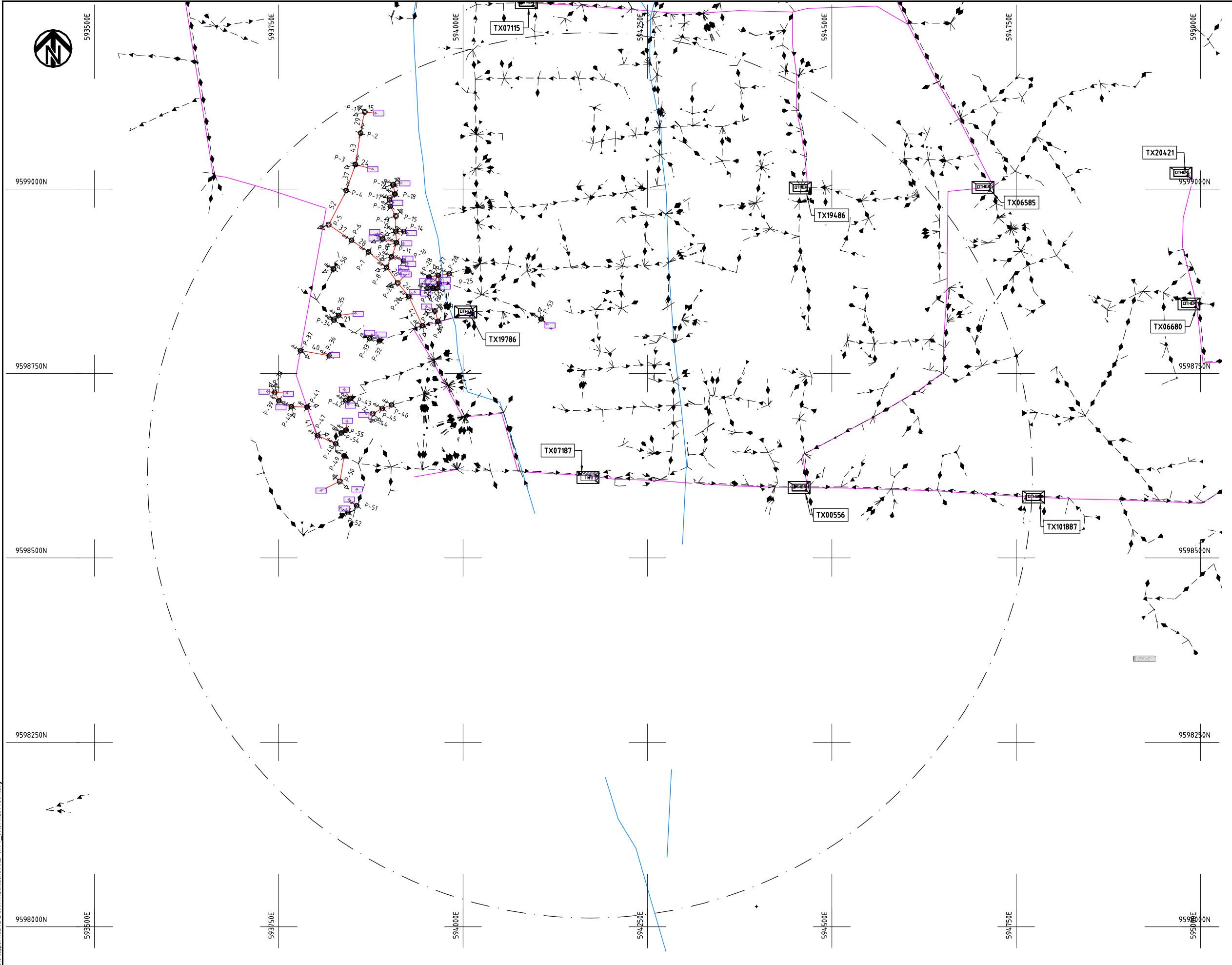
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 06533 TAKAUNGU KILIFI

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-8	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

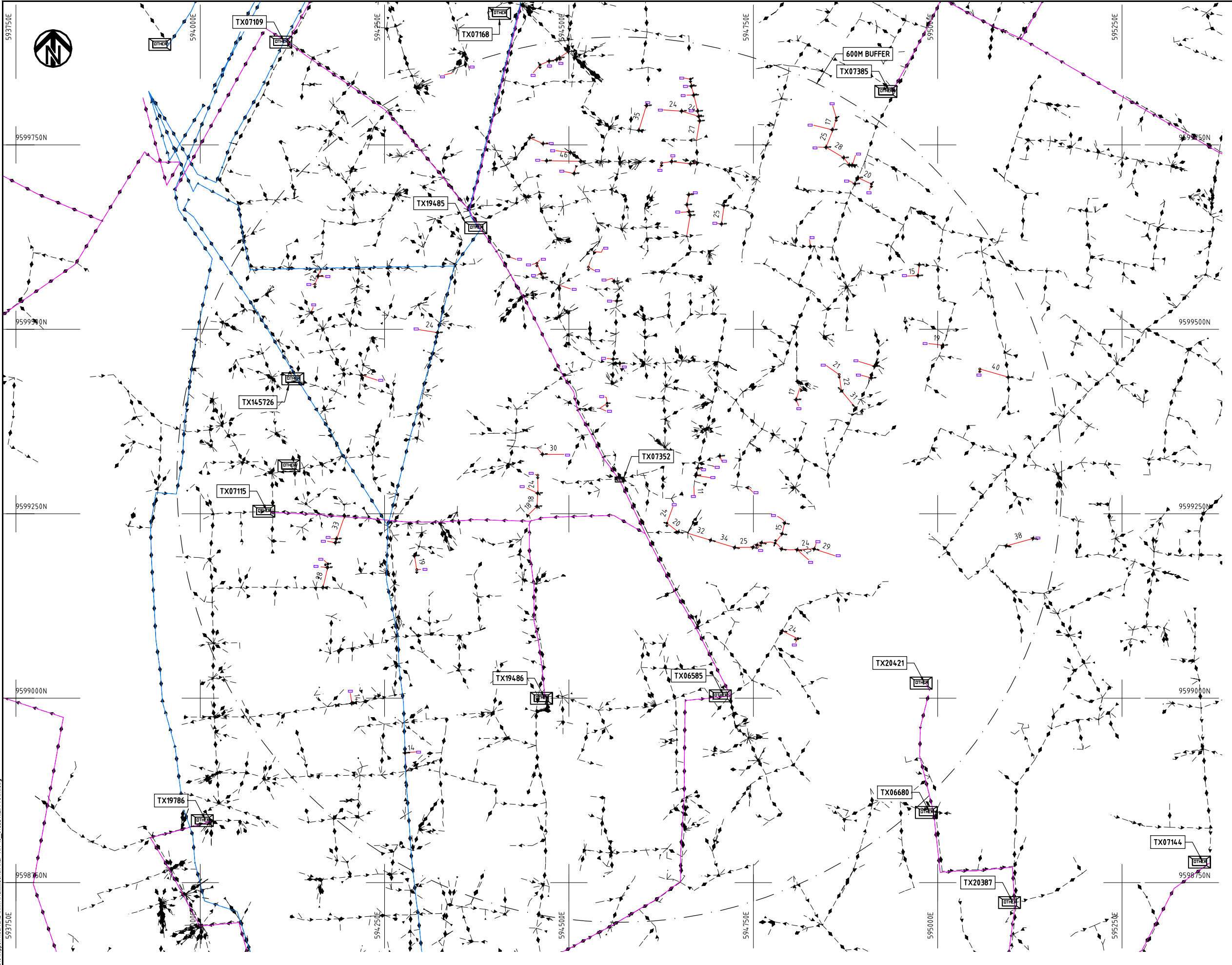
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-9_0187\KILIFI.DWG.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07187 KILIFI TOWN		KLF-MA-9	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

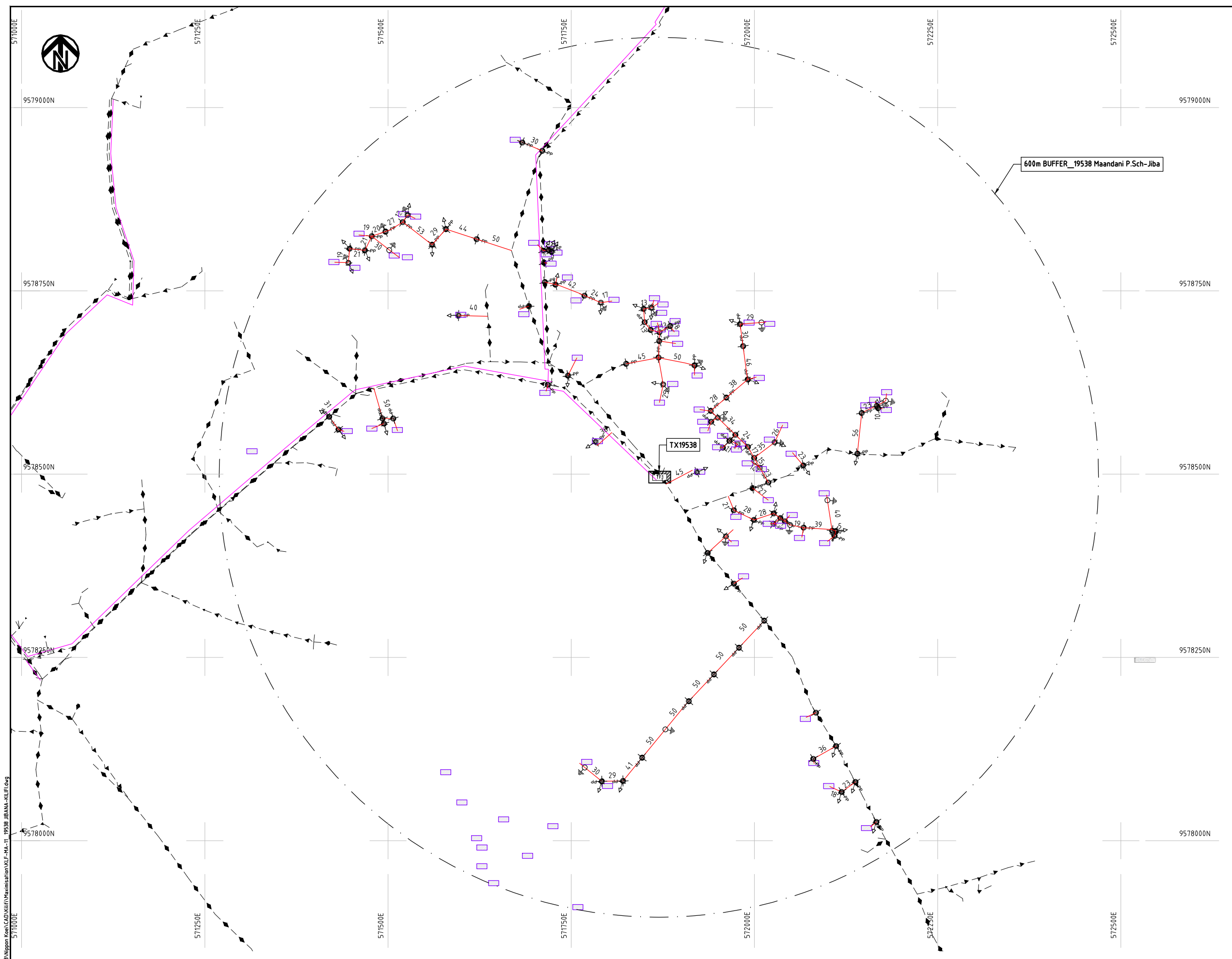
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-10_07352_KILIFI_TOWN.dwg
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 9599500N
 594750E
 9599750N
 595000E
 9599900N
 595250E

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07352-KILIFI TOWN		KLF-MA-10	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

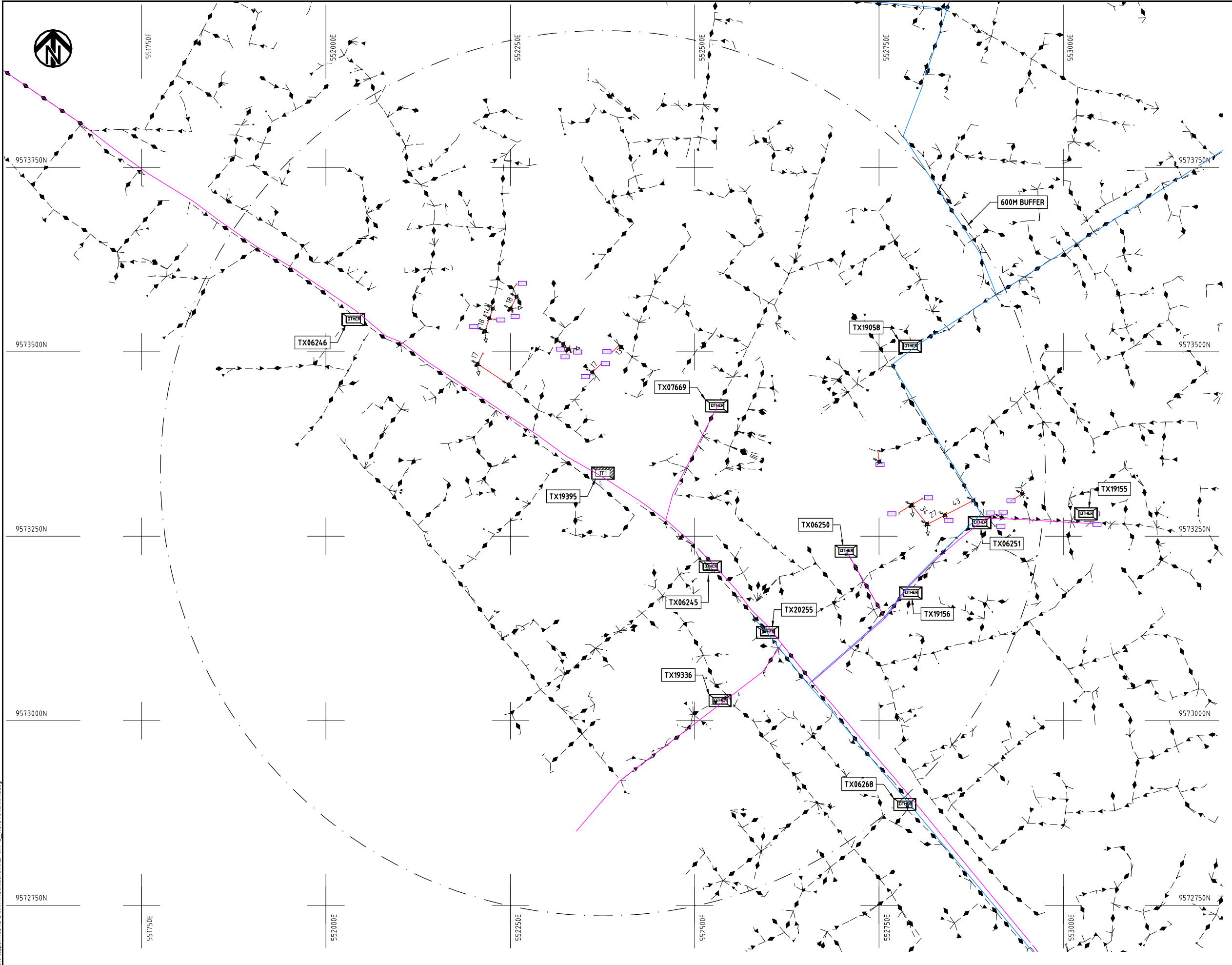
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



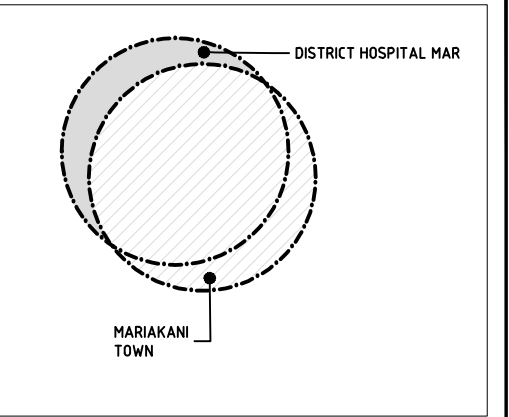
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 19538 JIBANA-KILIFI		KLF-MA-11	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018



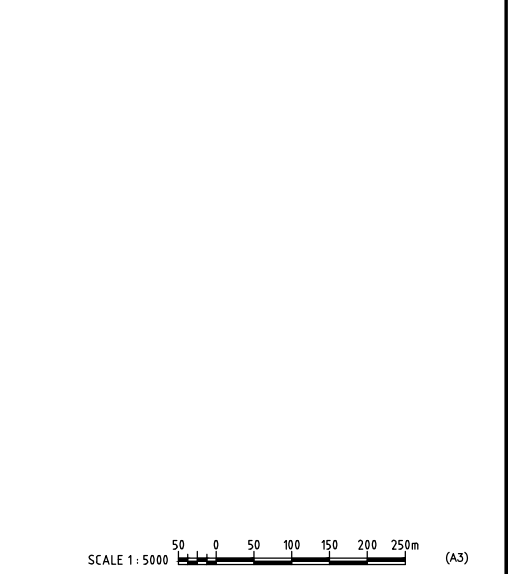


- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



KEY PLAN

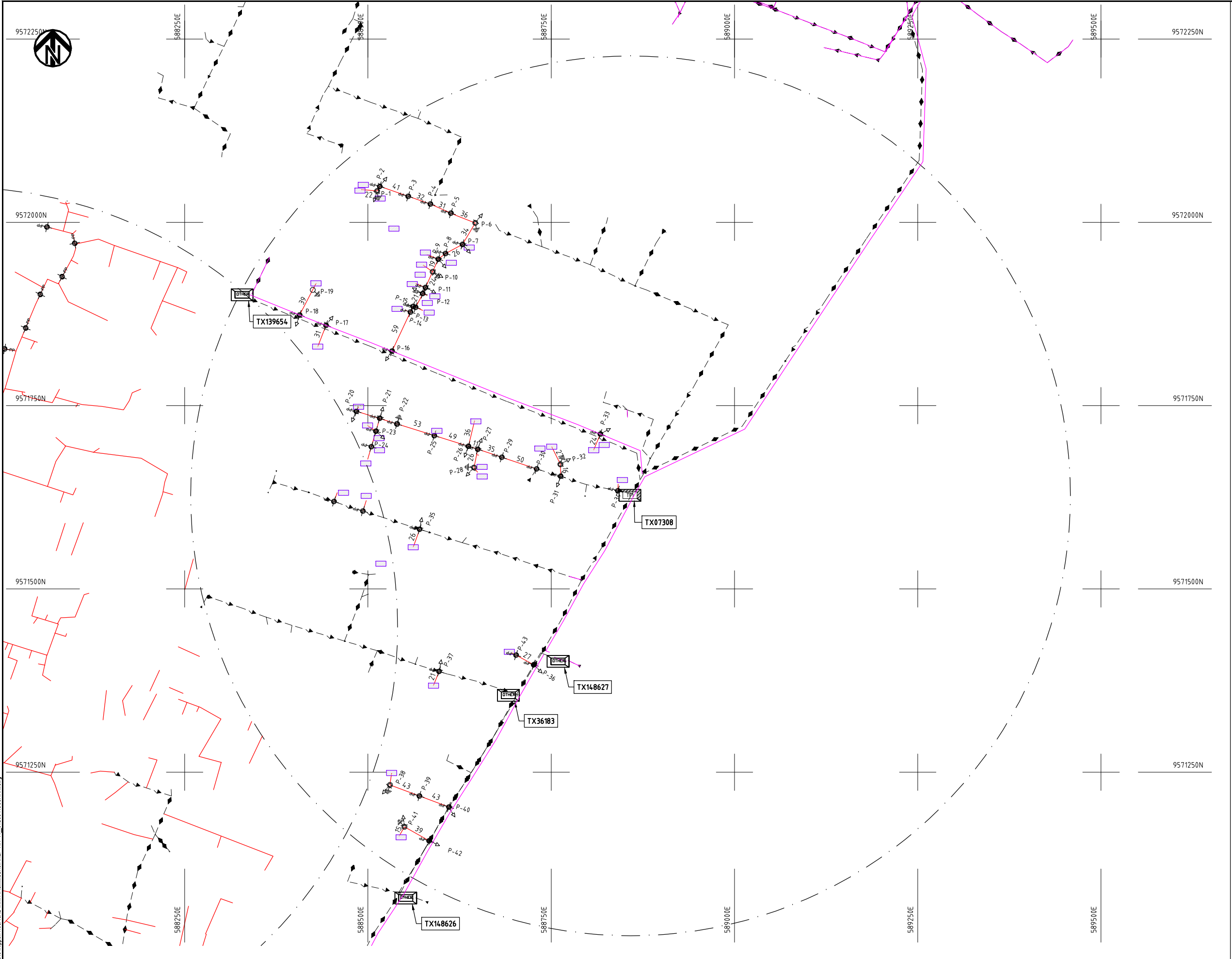
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



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PROJECT:	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA		KLF-MA-13	CHECKED BY	S.MAETA
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 19395 MARIAKANI			APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-14_07308 MUSUMARI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07308-MUSUMARI		KLF-MA-14	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





9593250N

552250E

552500E

552750E

553000E

553250E

553500E

9593250N

9593000N

9593000N

9592750N

9592750N

9592500N

9592500N

9592250N

9592250N

552250E

552500E

552750E

553000E

553250E

553500E

600m BUFFER_36147 Mnazi MMwenga Sec Sch.

TX36147

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1: 5000 (A3)

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KILIFI
SCHEME: MAXIMIZATION
PROJECT SITE: 36147 MNAZIMWENGA

DRAW. NO.

KLF-MA-15

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

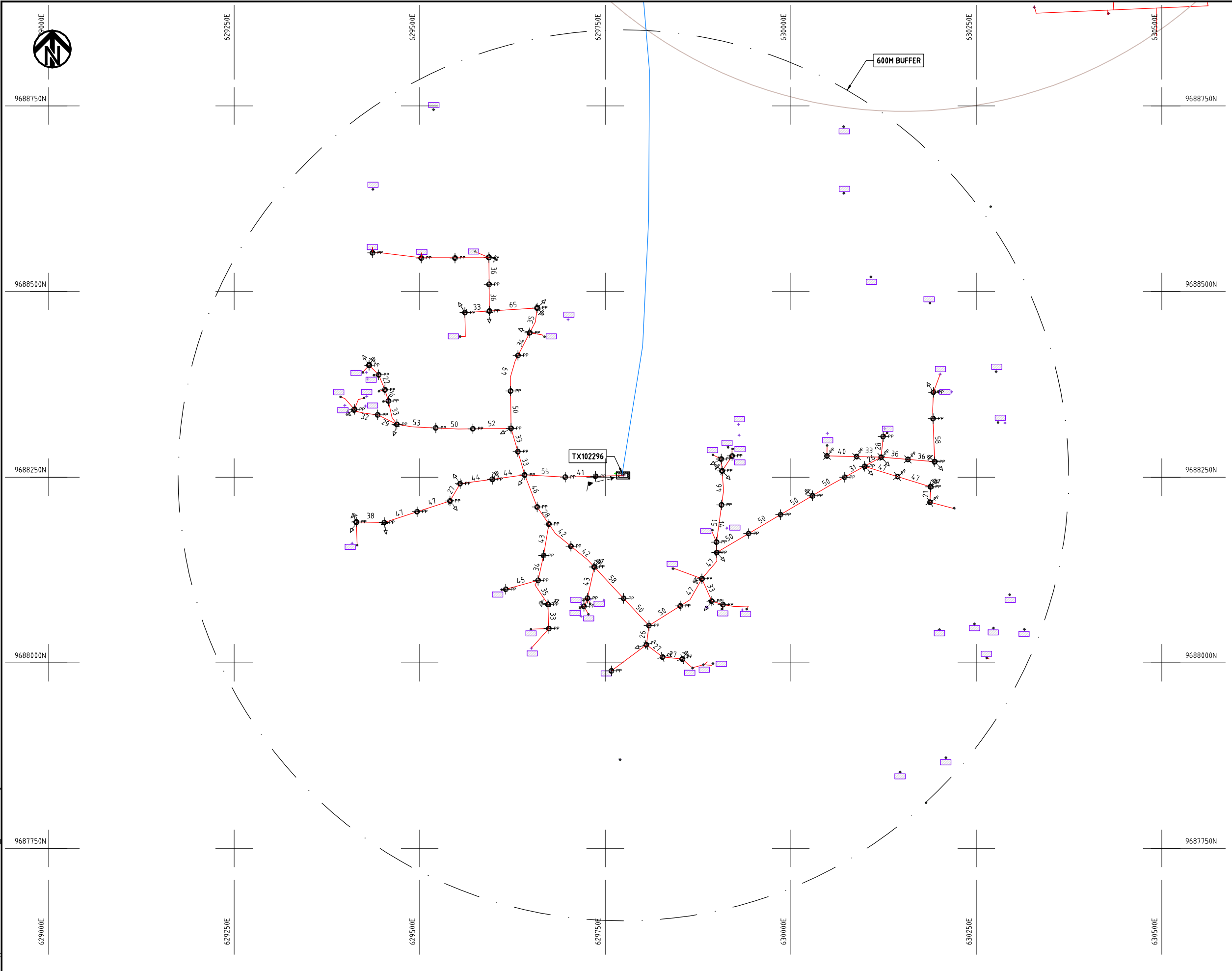
APPROVED BY

Y.TANAKA

DATE

10th SEP 2018

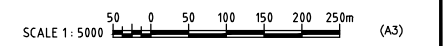
NIPPON KOEI CO., LTD



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

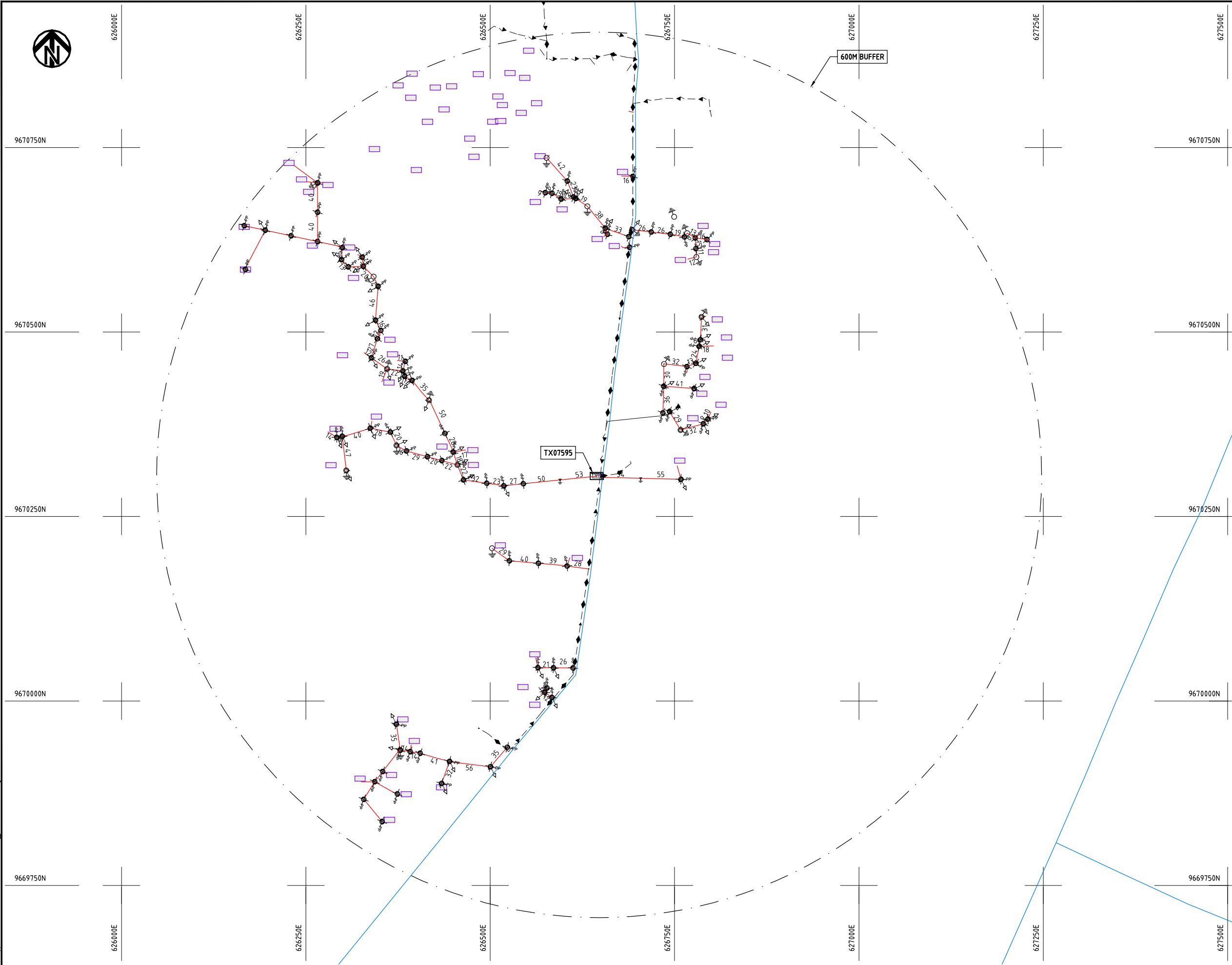
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Csd File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-17_102296-MUYUWA.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 102296 MUYUWA		KLF-MA-17	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018



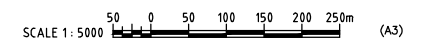


NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

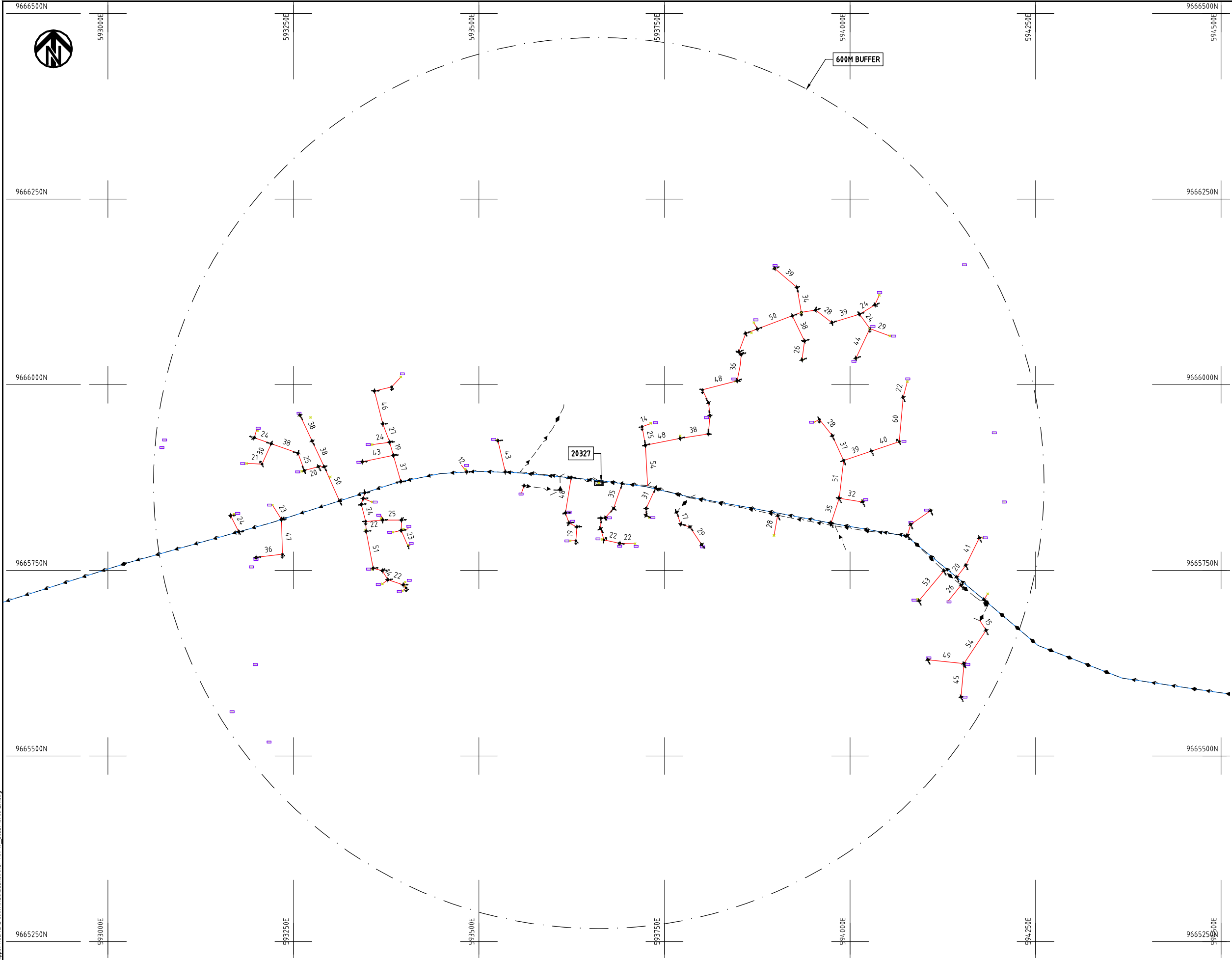
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Csd File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximization\KLF-MA-18_07595 KADZUHONI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07595 KADZUHONI	DRAW. NO. KLF-MA-18	PREPARED BY A.AKBAR	CHECKED BY S.MAETA	APPROVED BY Y.TANAKA	DATE 10th SEP 2018
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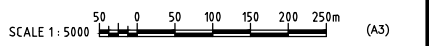




- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-19-20327-WAKALA.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20327-WAKALA		KLF-MA-19	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





629500E

629750E

630000E

630250E

630500E

630750E

9689750N

9689750N

9689500N

9689500N

9689250N

9689250N

9689000N

9689000N

9688750N

9688750N

600m BUFFER_102293 MUNYUWAKAE VILLAGE

600m BUFFER_102293 MUNYUWAKAE PRIMARY SCHOOL

TX102293

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1:5000 (A3)

PROJECT:

**THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA**

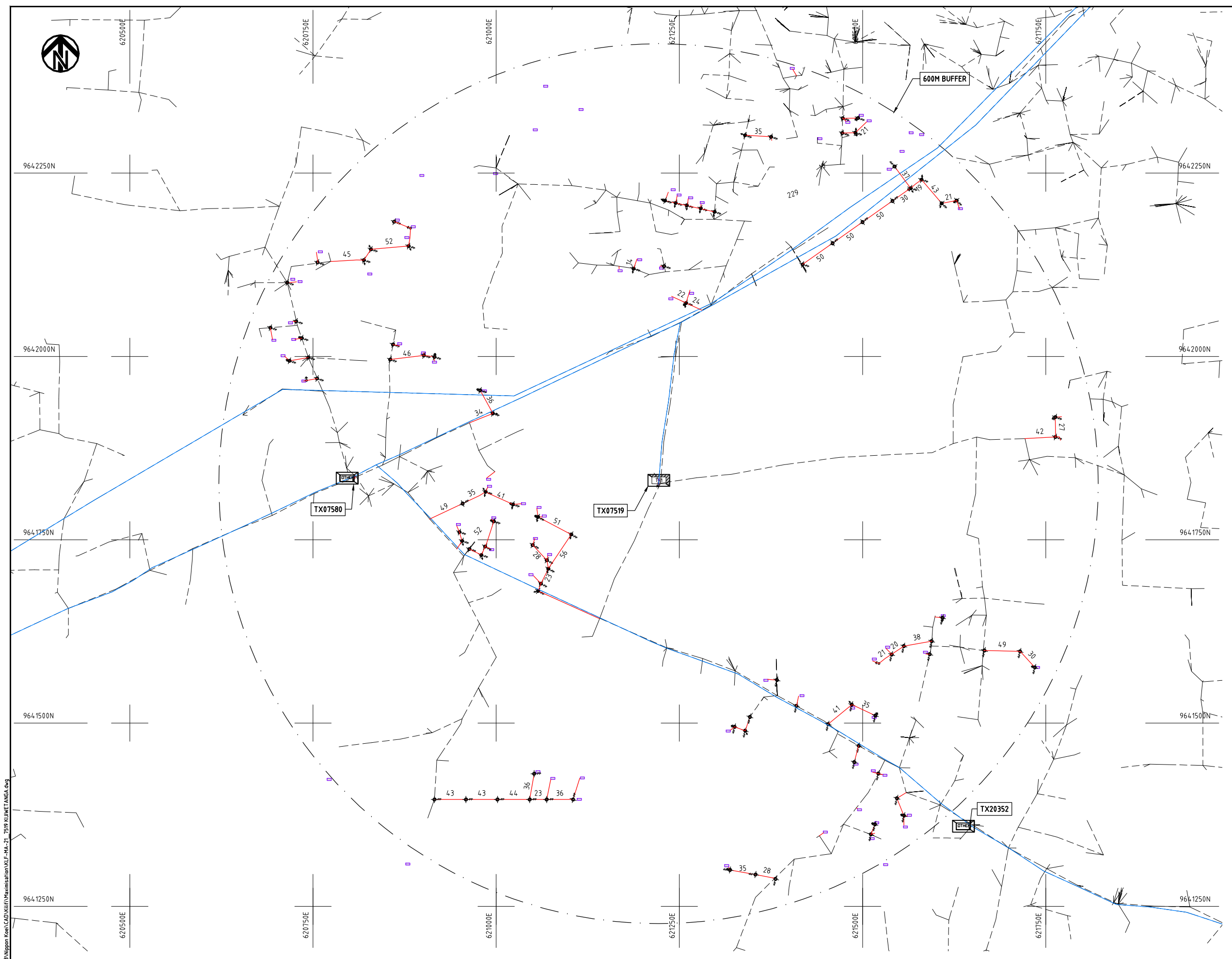
DRAWING TITLE

COUNTY: KILIFI
SCHEME: MAXIMIZATION
PROJECT SITE: 102293 MUYUWAKAE Mwamburui

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-20	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-20_102293 MUYUWAKAE Mwamburui.dwg



NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

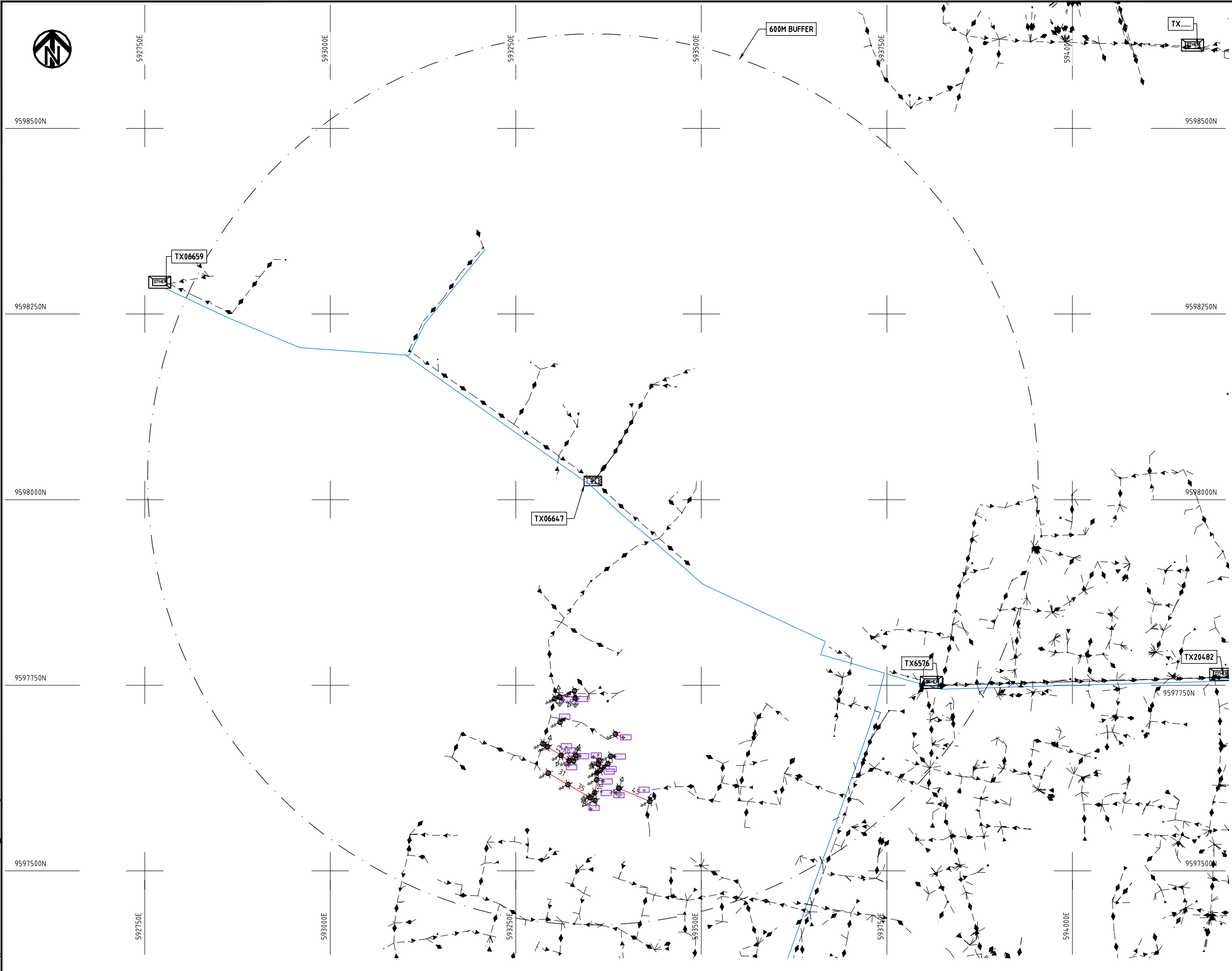
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



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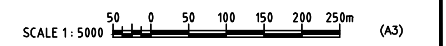
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-21	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 07519-KIJIWETANGA			DATE	10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 06647 KILIFI		KLF-MA-22	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





9592000N

565500E

565750E

566000E

566250E

566500E

566750E

9592000N

9591750N

9591750N

9591500N

9591500N

9591250N

9591250N

9591000N

9591000N

565500E

565750E

566000E

566250E

566500E

566750E

600M BUFFER

600M BUFFER

TX19700

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1: 5000 (A3)

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KILIFI
SCHEME: MAXIMIZATION
PROJECT SITE: 19700- KWADEMU

DRAW. NO.

KLF-MA-23

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

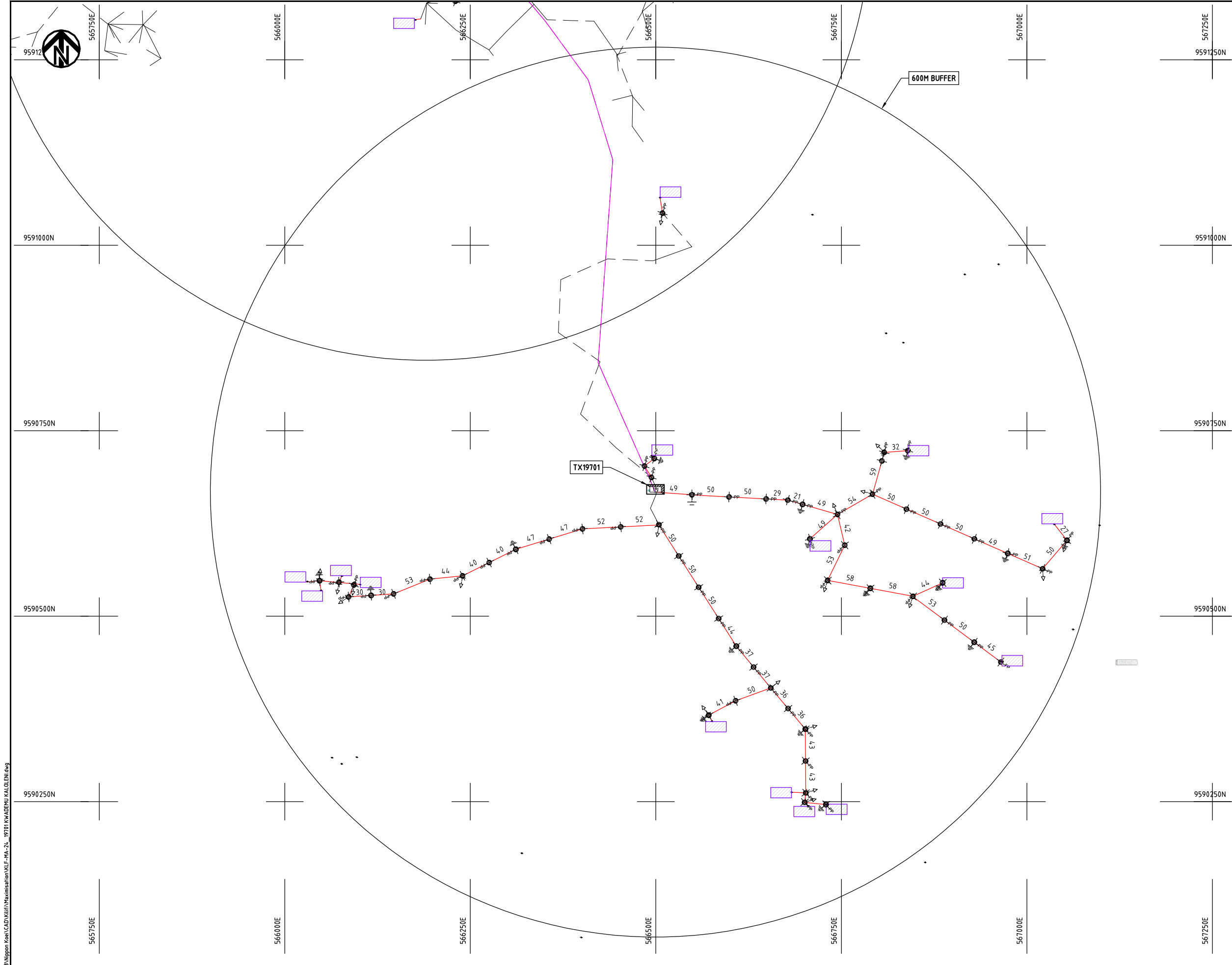
APPROVED BY

Y.TANAKA

DATE

10th SEP 2018

NIPPON KOEI CO., LTD



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

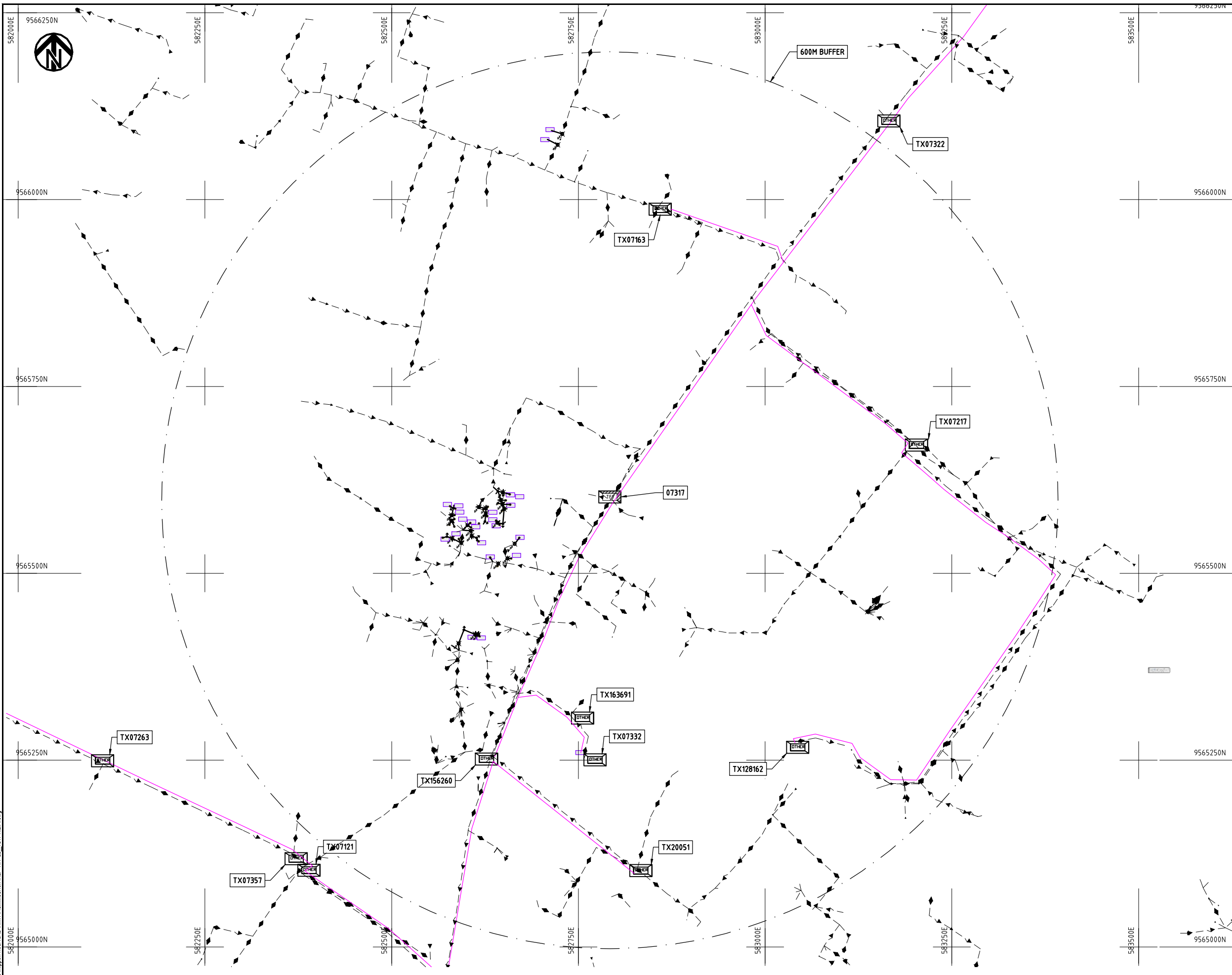
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- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-24 - 19701-KWADEMU KALO LENI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 19701 - KWADEMU KALO LENI		KLF-MA-24	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

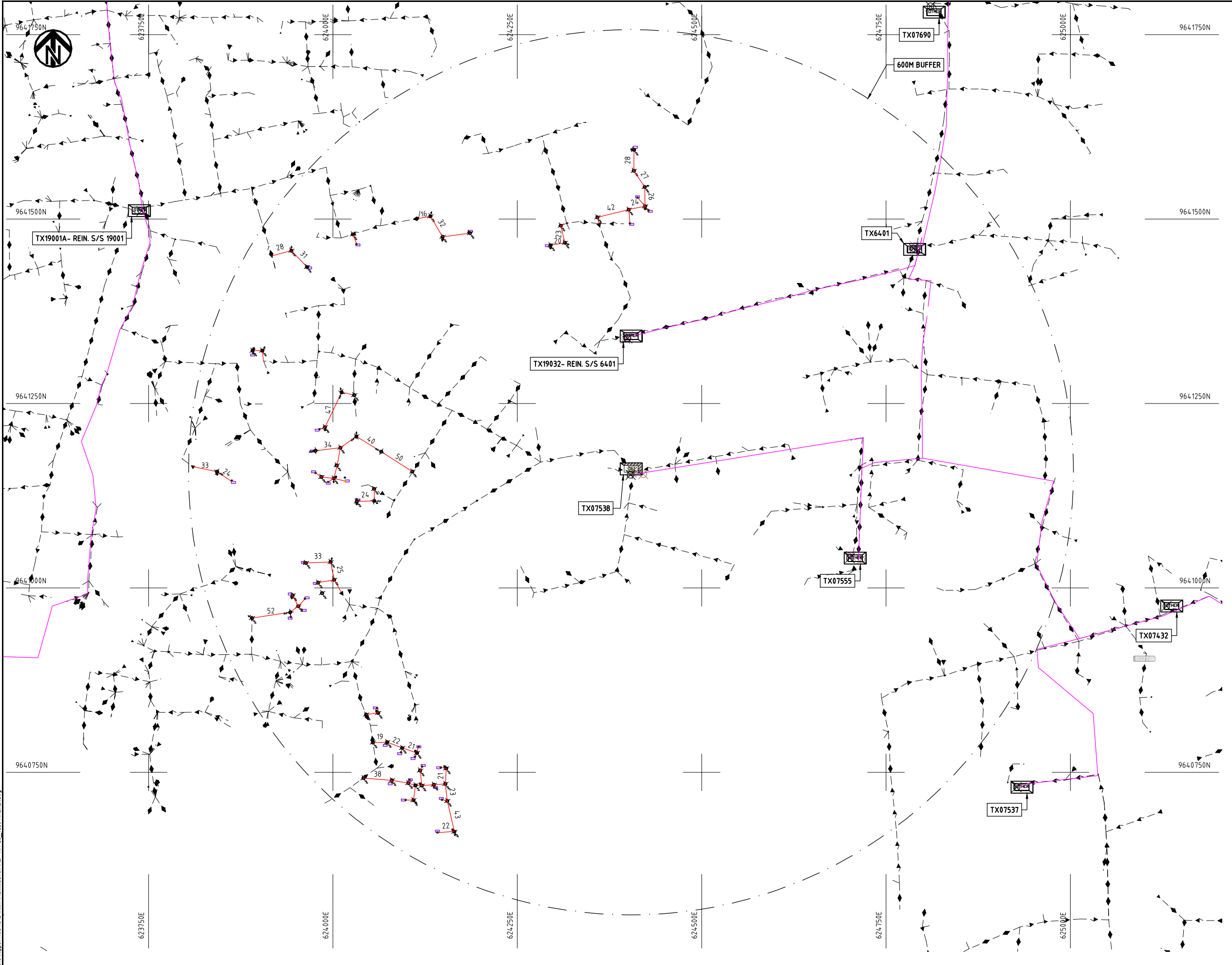
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-25-7317 KILIFI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07317-KILIFI		KLF-MA-25	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





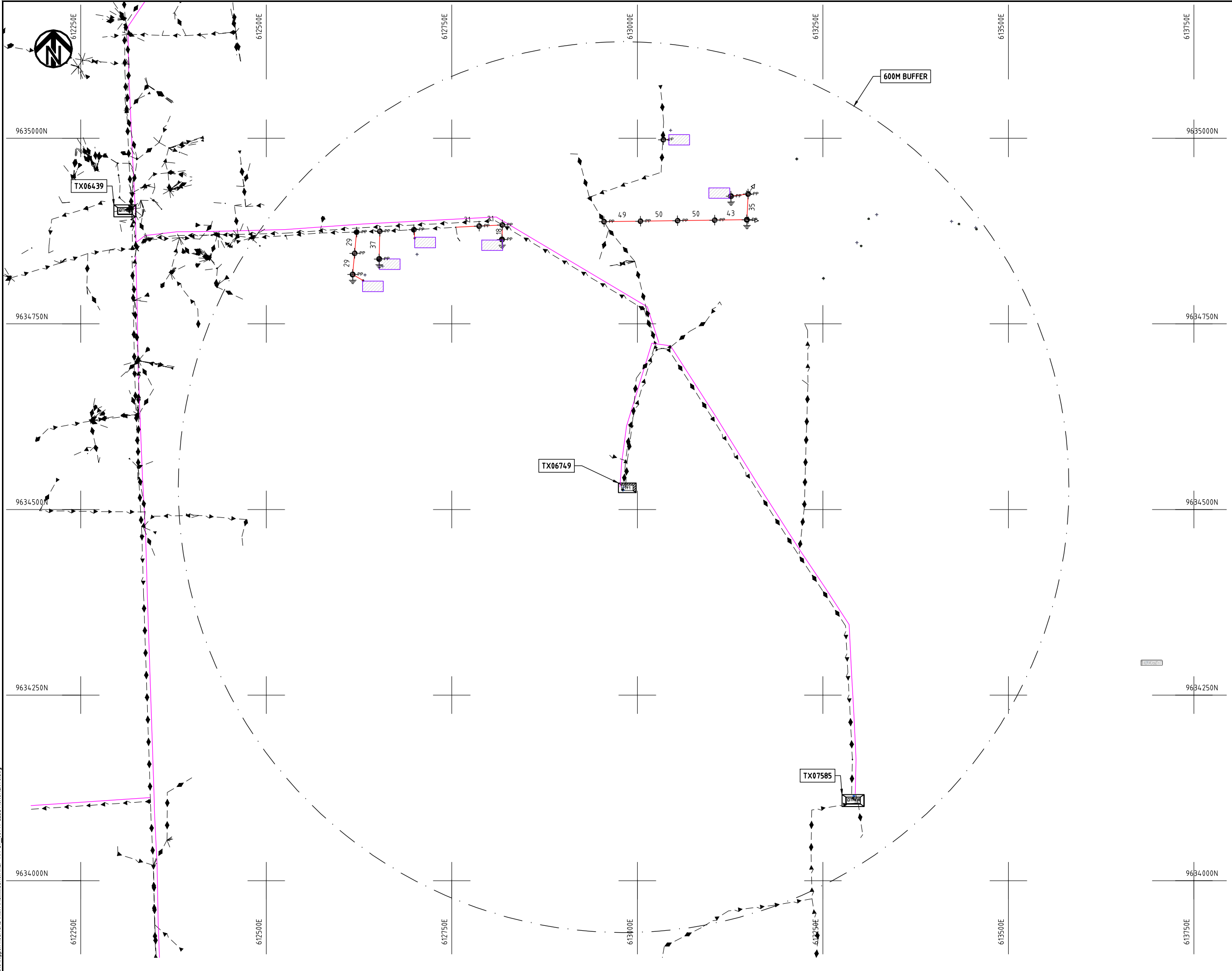
LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-26-7538-MALINDI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-26	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 07538-MALINDI		DATE		10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

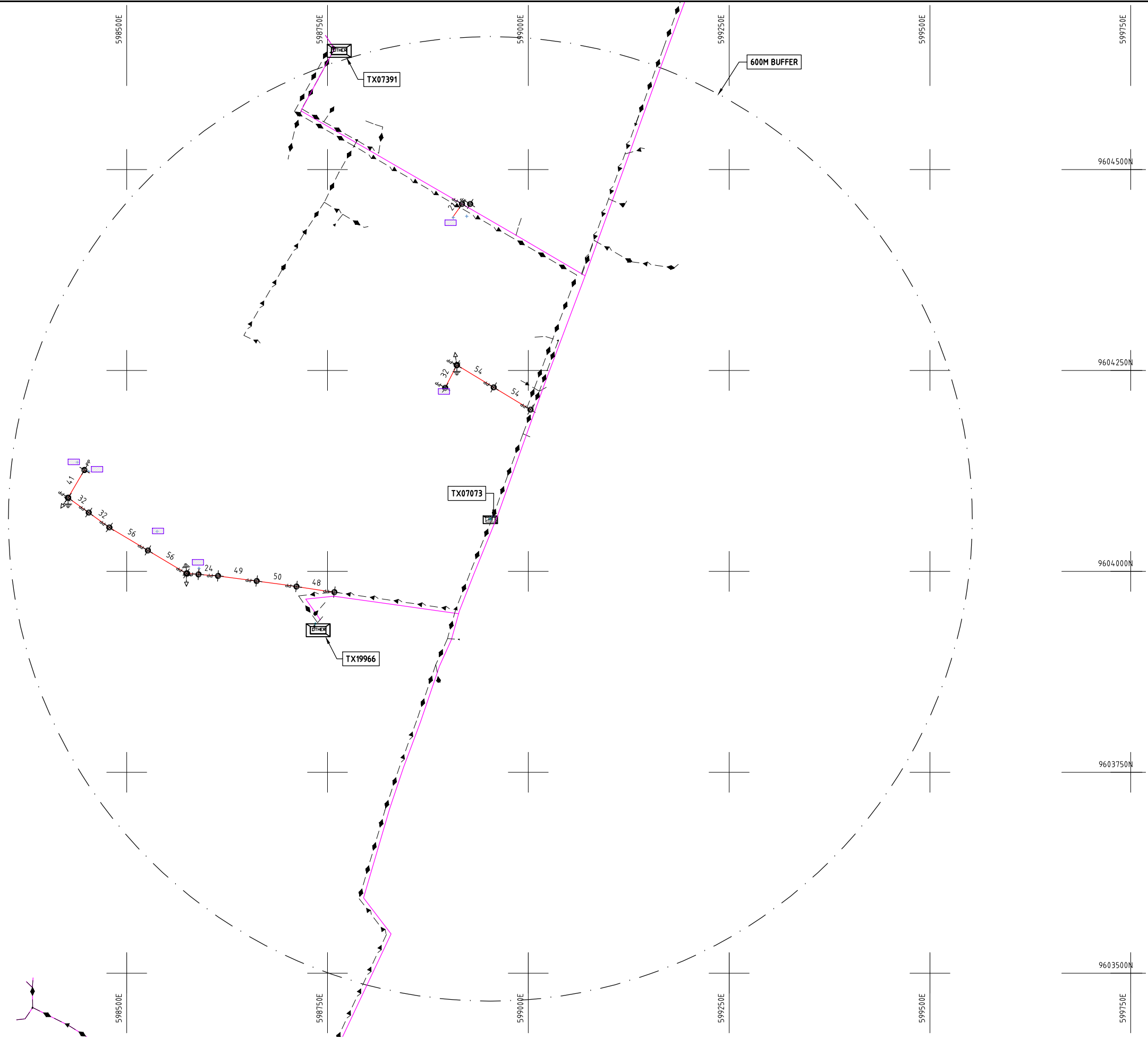
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY

SCALE 1:5000 (A3)

Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-27_06749 GEDE MONUMENTS.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-27	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 06749 GEDE MONUMENTS			DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

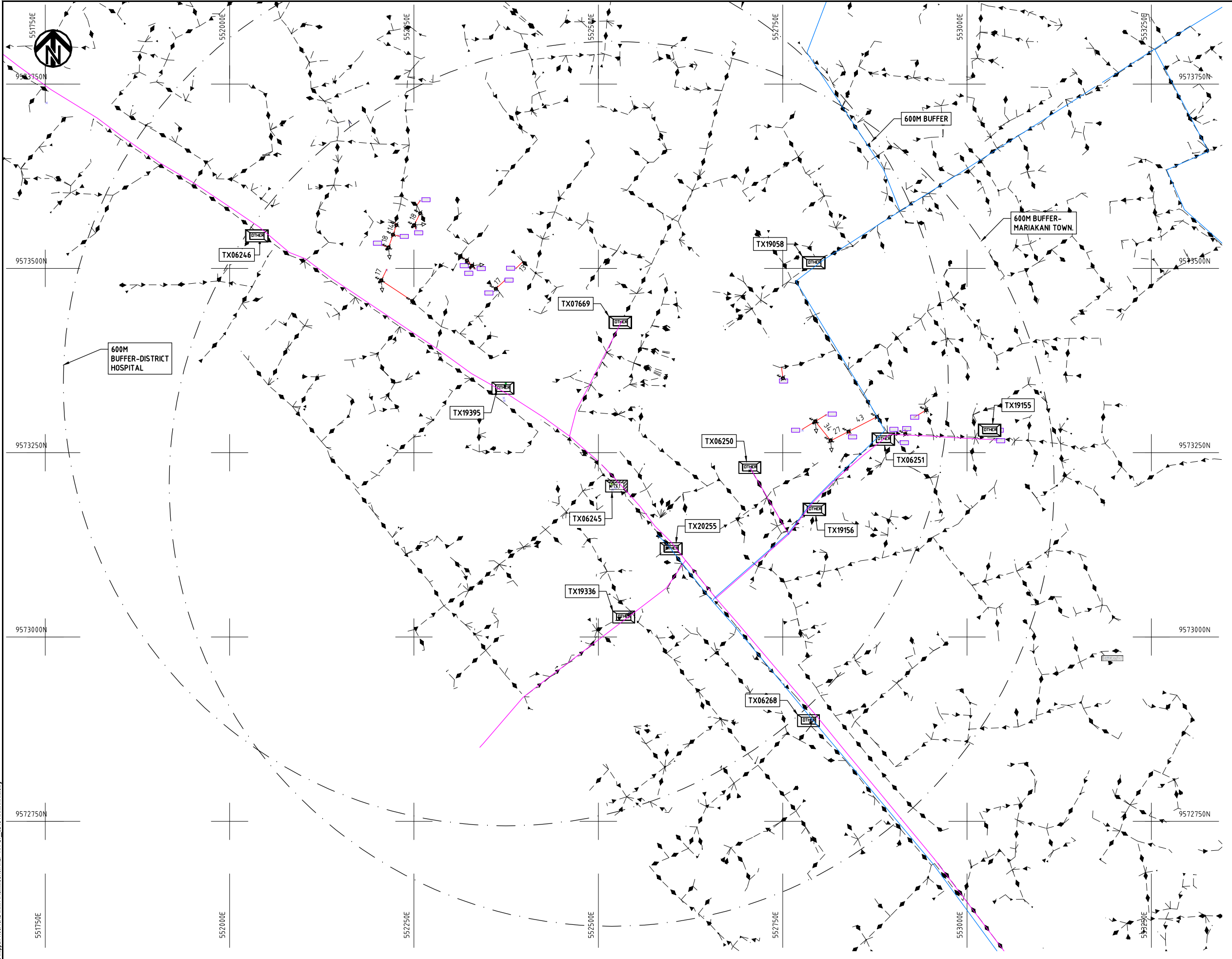
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- PP WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



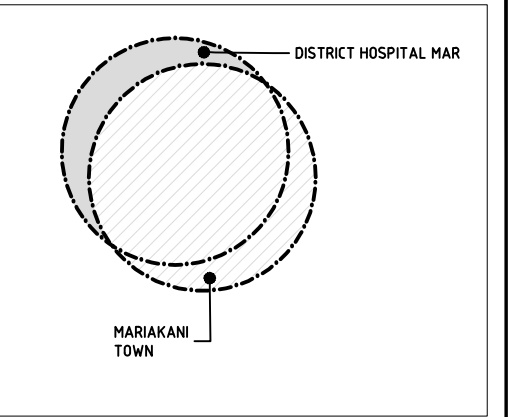
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PROJECT:	THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE	DRAW. NO.	PREPARED BY	A.AKBAR
		COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07073 B0FA	KLF-MA-28	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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KEY PLAN

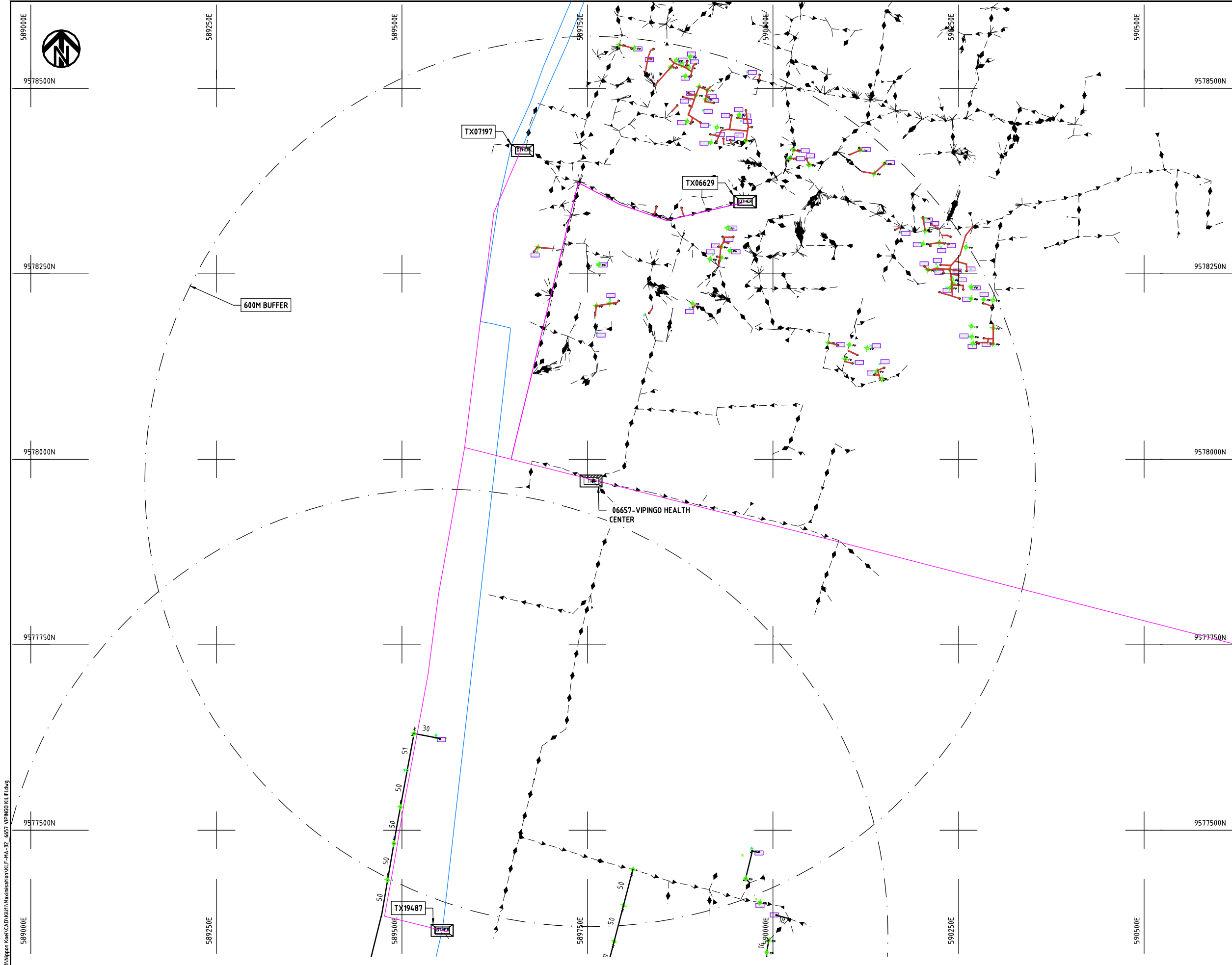
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - PP WOODEN ELECTRIC POLES
 - CP CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



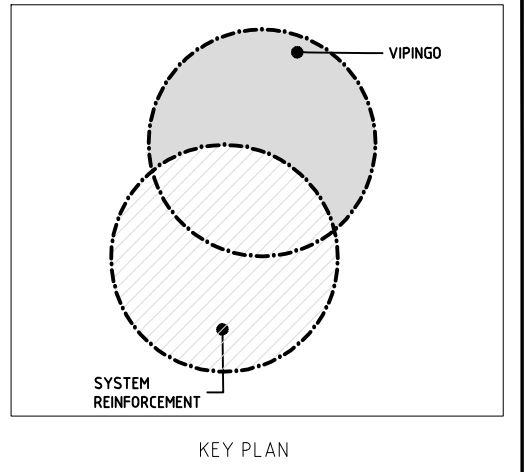
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 06245-MARIAKANI		KLF-MA-29	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.



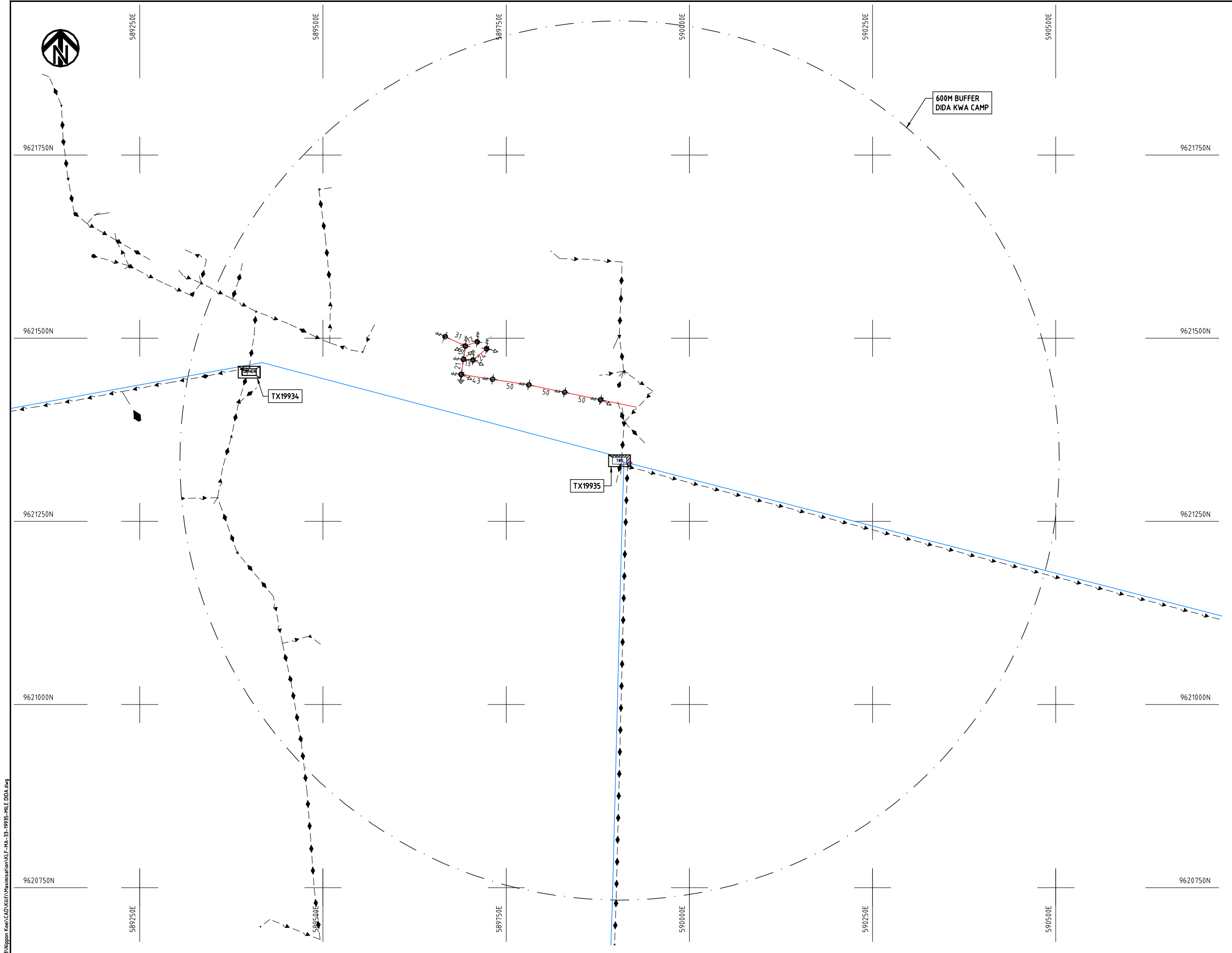
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED 11kV
 - PROPOSED 33kV
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES 12M
 - CONCRETE ELECTRIC POLES 11M
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-32_VIPINGO KILIFI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 06657-VIPINGO KILIFI		KLF-MA-32	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

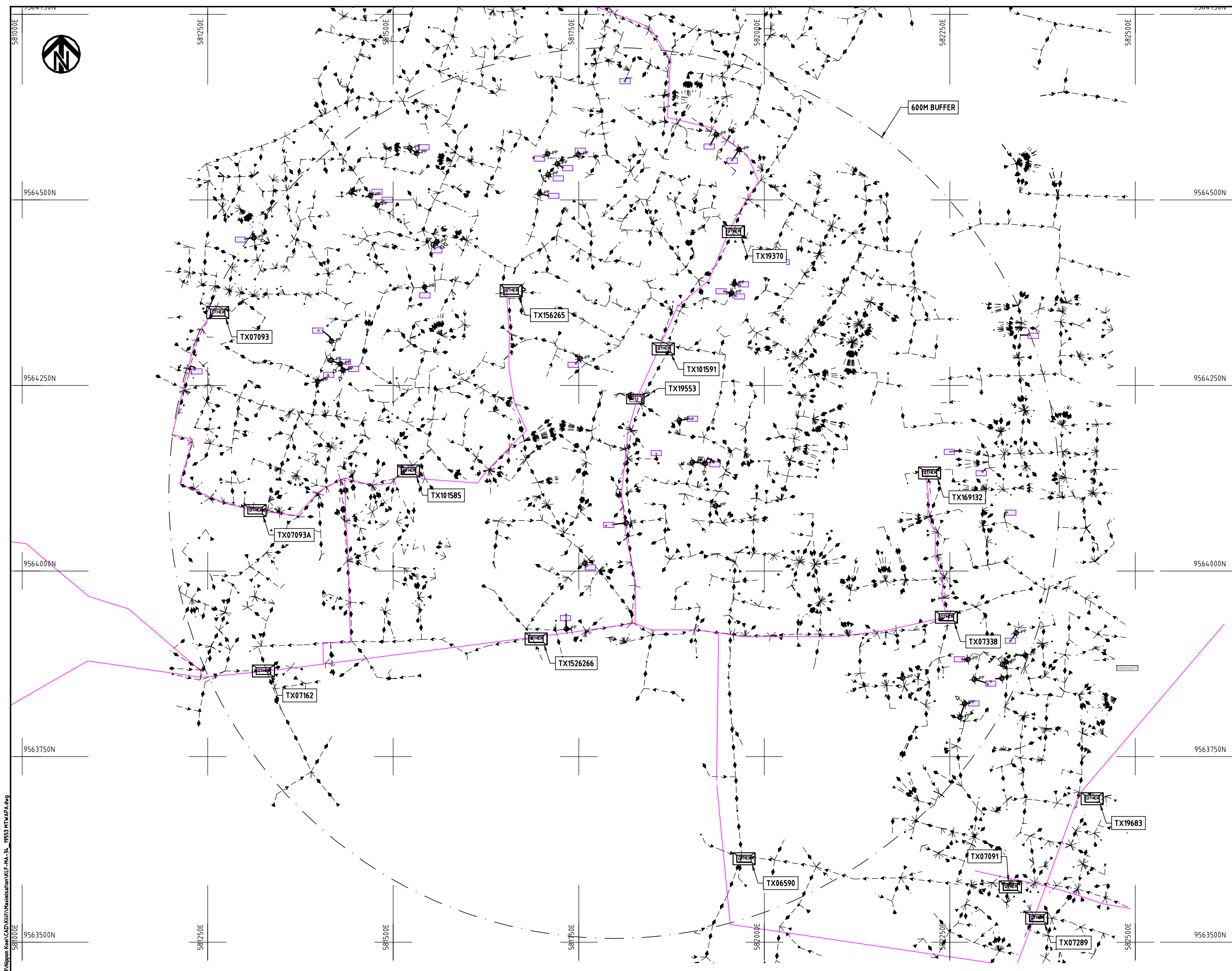
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



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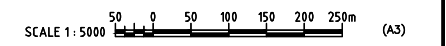
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 19935 MILE DIDA		KLF-MA-33	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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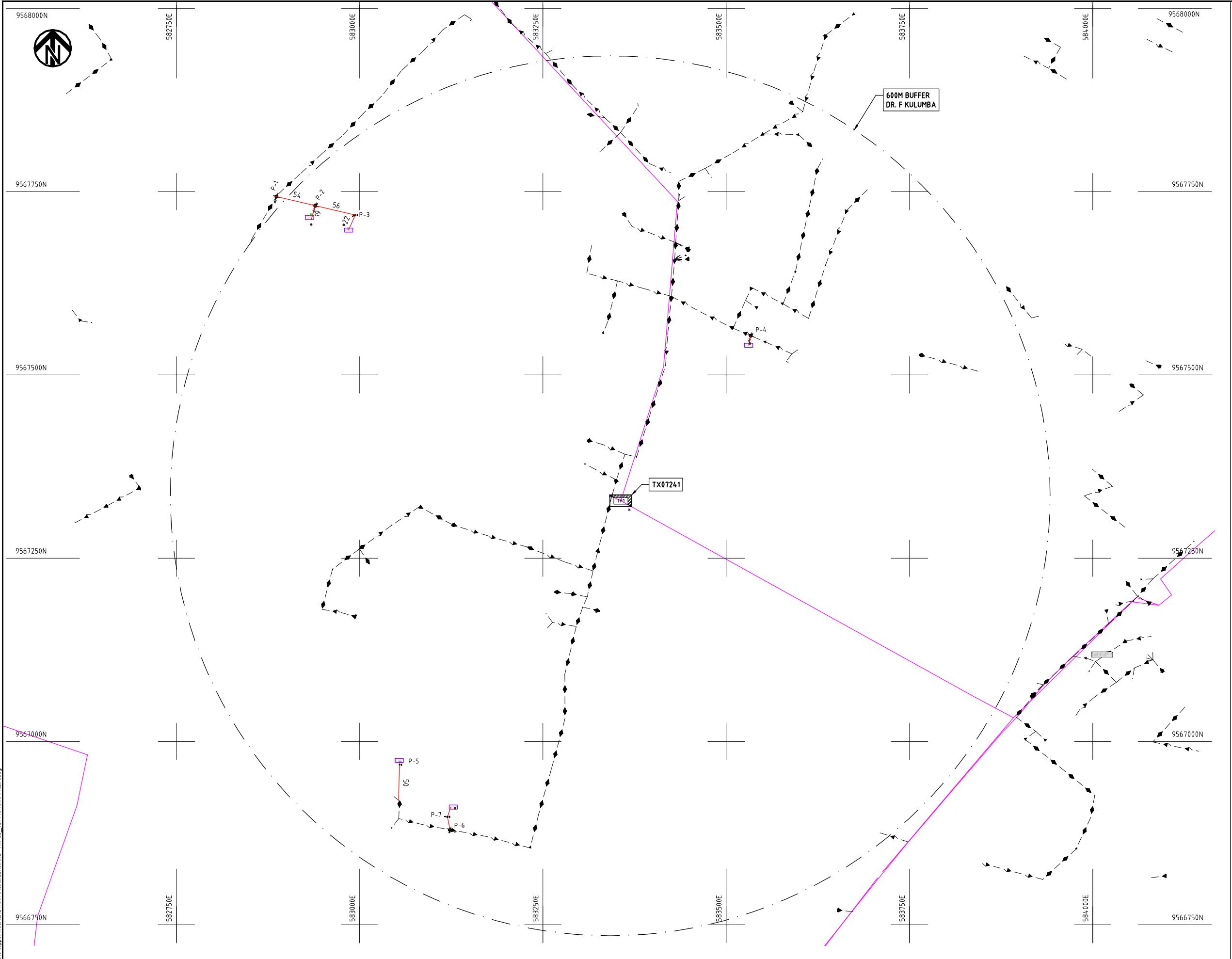
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-34_19553 MTWAPA.dwg
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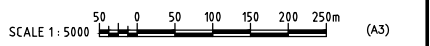
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 19553 MTWAPA		KLF-MA-34	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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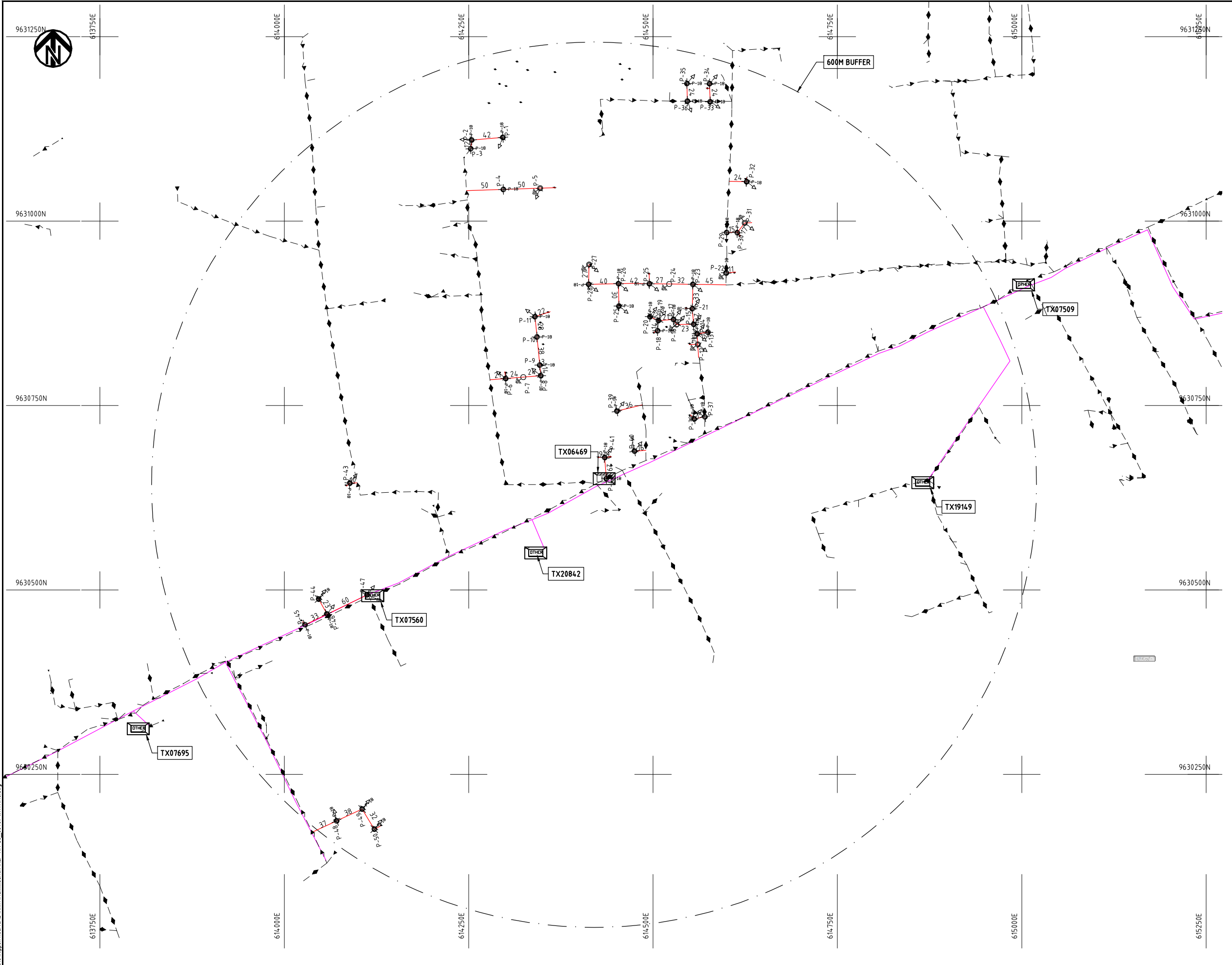
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- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07241-KANAMAI KILIFI		KLF-MA-35	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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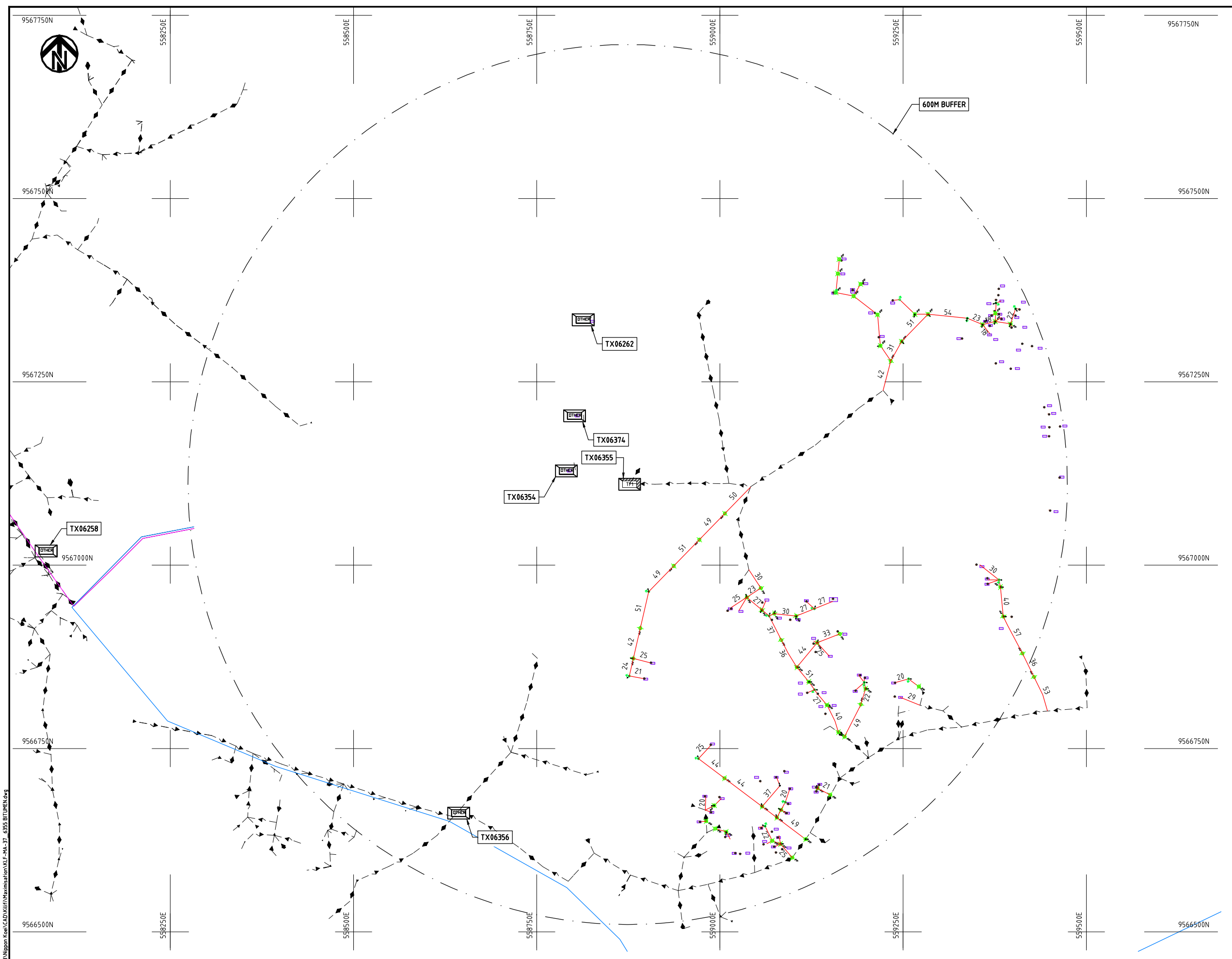
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-36_06469 WATAMU.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 06469 WATAMU		KLF-MA-36	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018

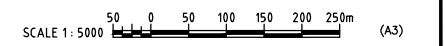




- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

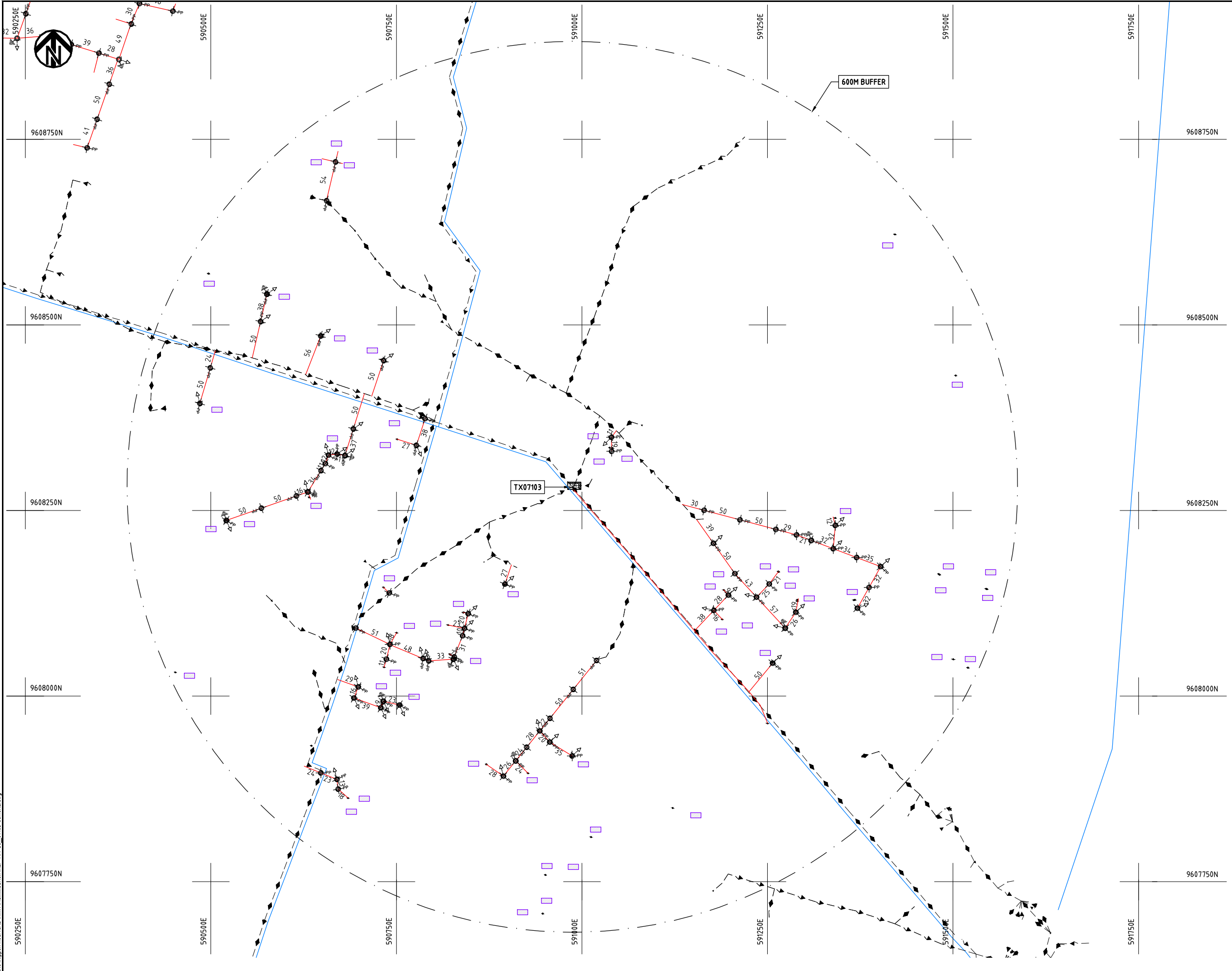
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Caf File No. D:\Frank-Proj\2018\Nippon-Koei\CAD\Kilifi\Maximisation\KLF-MA-37_6355_BITMAP.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-37	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 06355-BITUMEN		DATE		10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

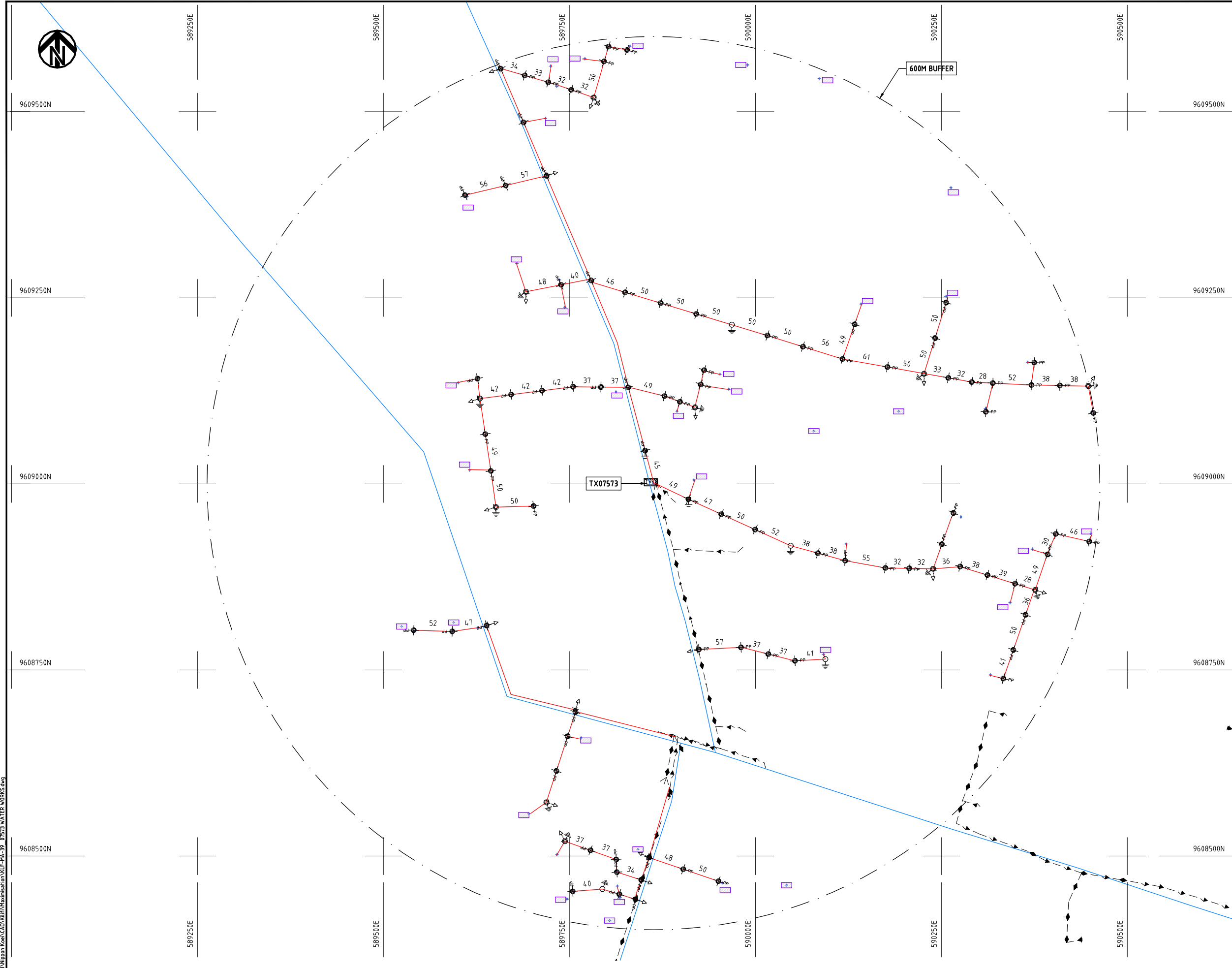
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY

SCALE 1:5000 (A3)

Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-38_07103_SOKOKE.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07103 SOKOKE		KLF-MA-38	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018

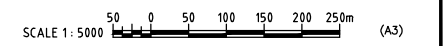




- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

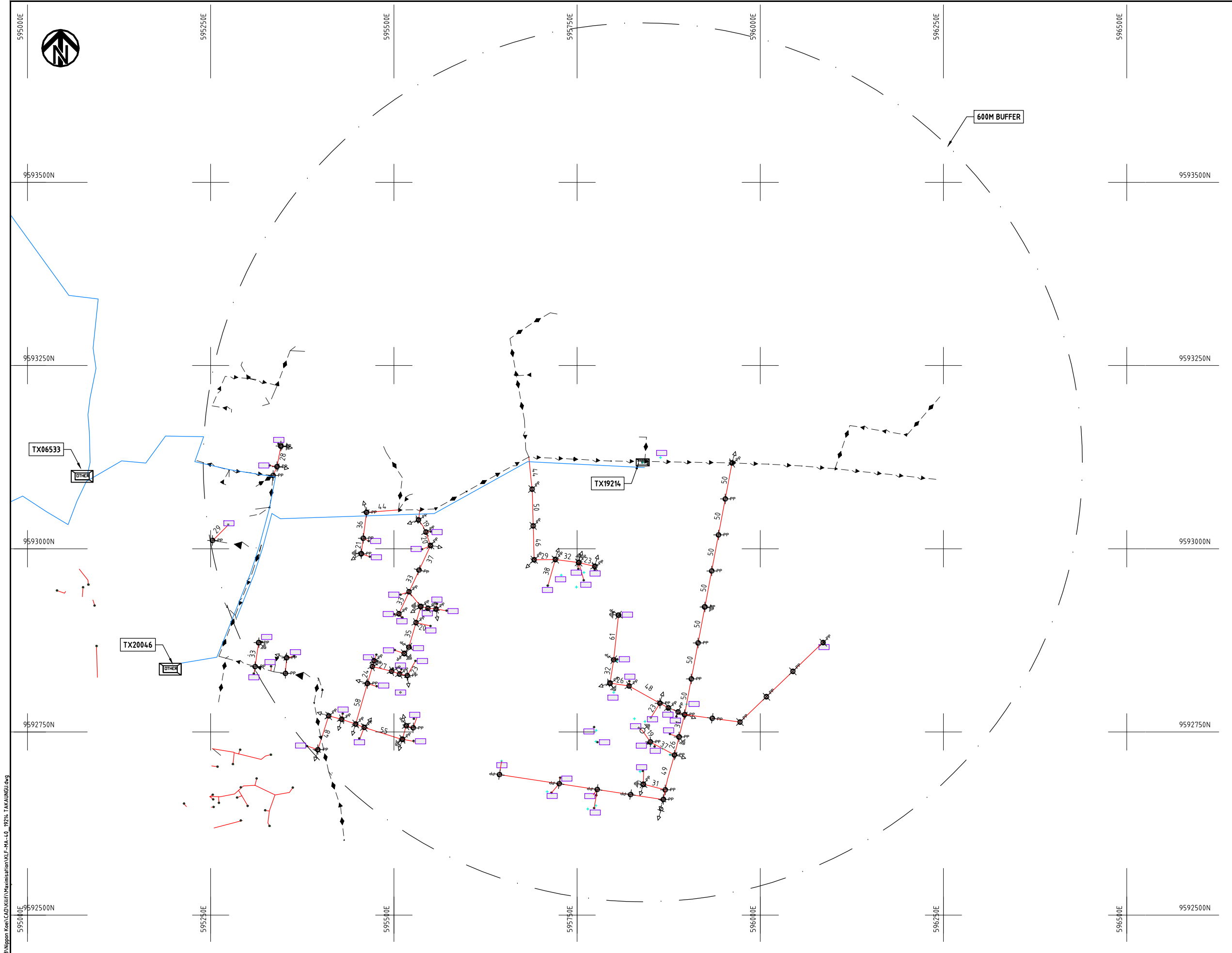
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Csd File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-39_07573 WATER WORKS.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07573 WATER WORKS		KLF-MA-39	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

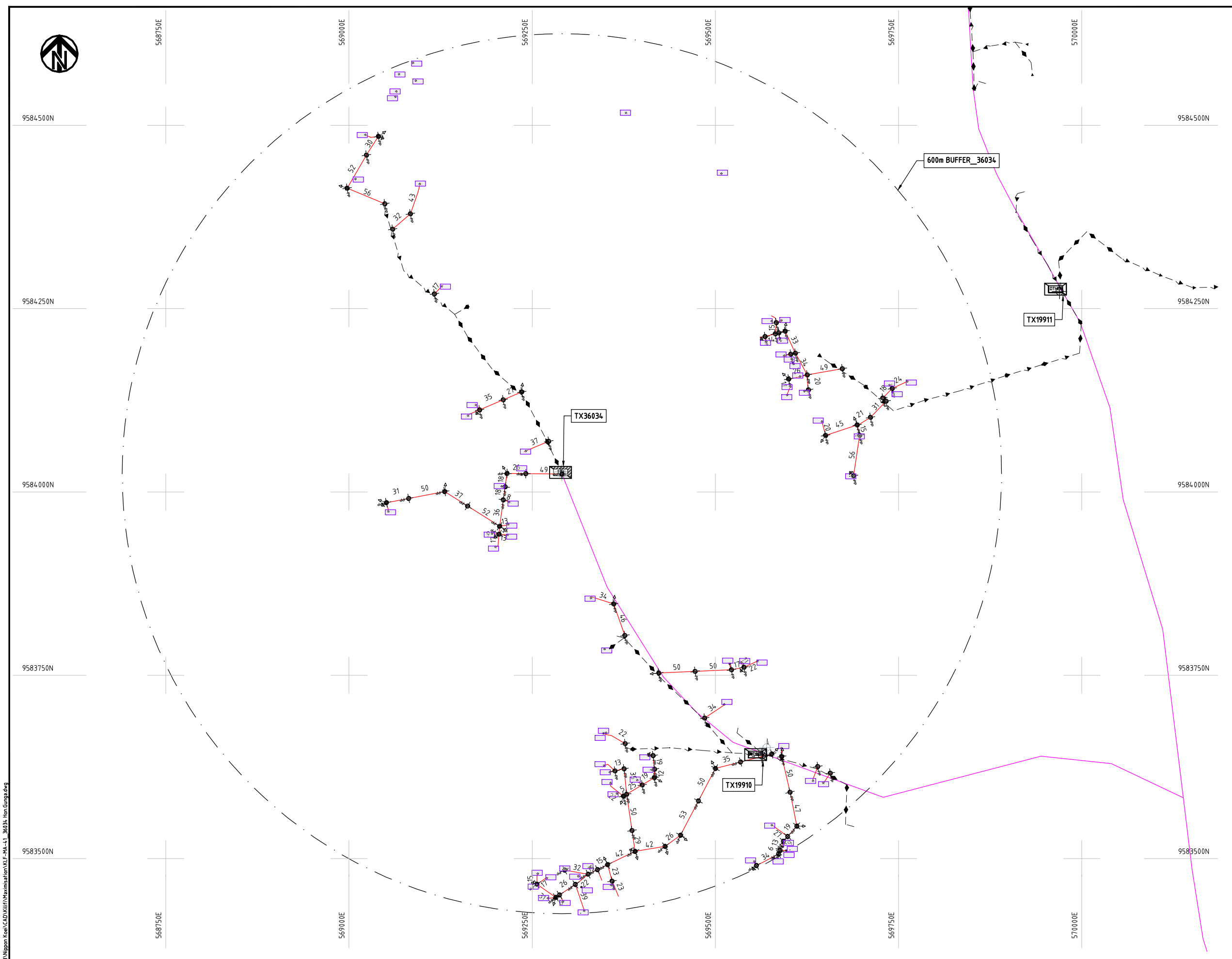
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-40_19214_TAKAUNGU.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 19214 TAKAUNGU		KLF-MA-40	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018



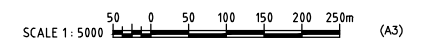


NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

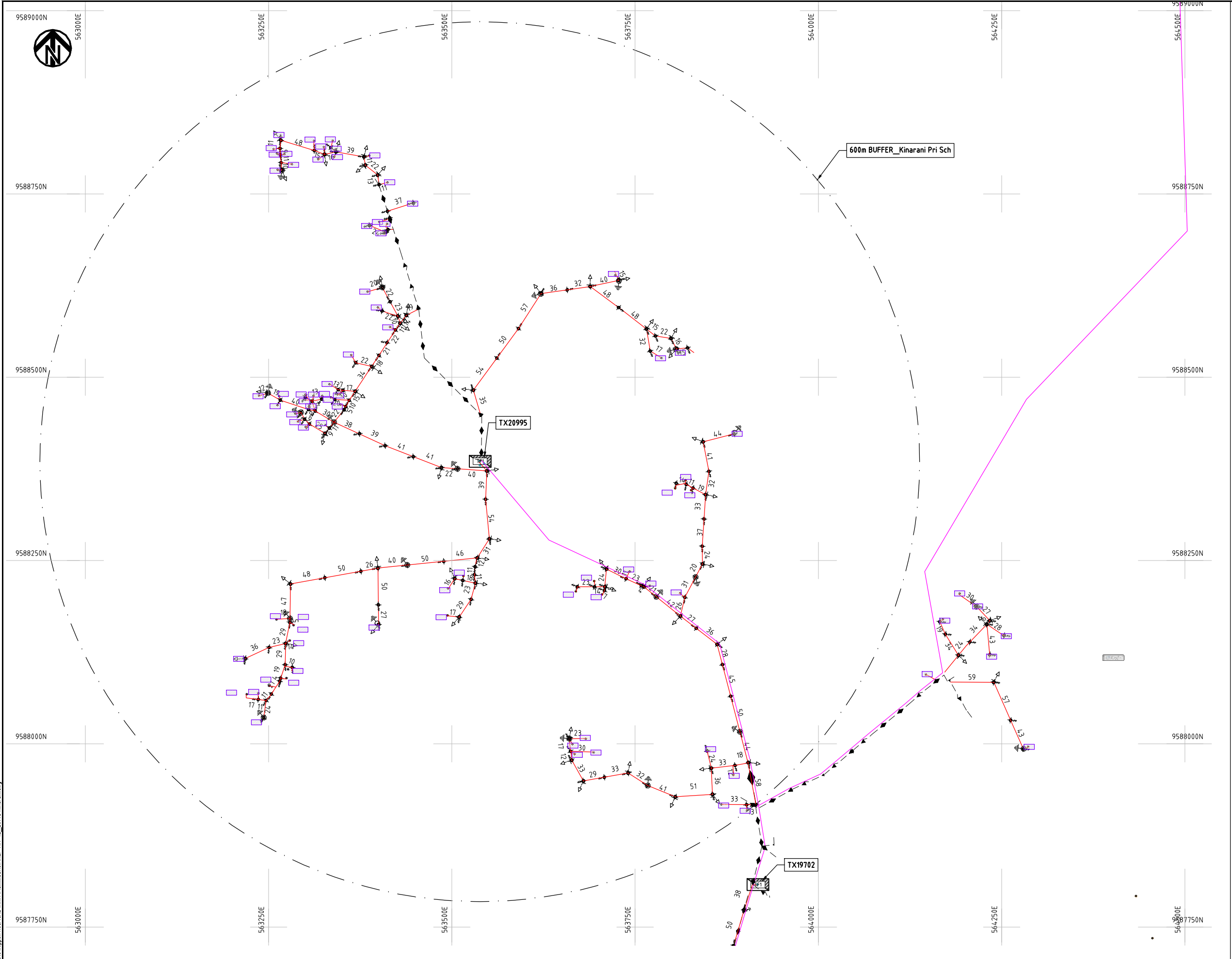
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Caf File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-41_36034_Hon.Gunga.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 36034 HON. GUNGA		KLF-MA-41	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

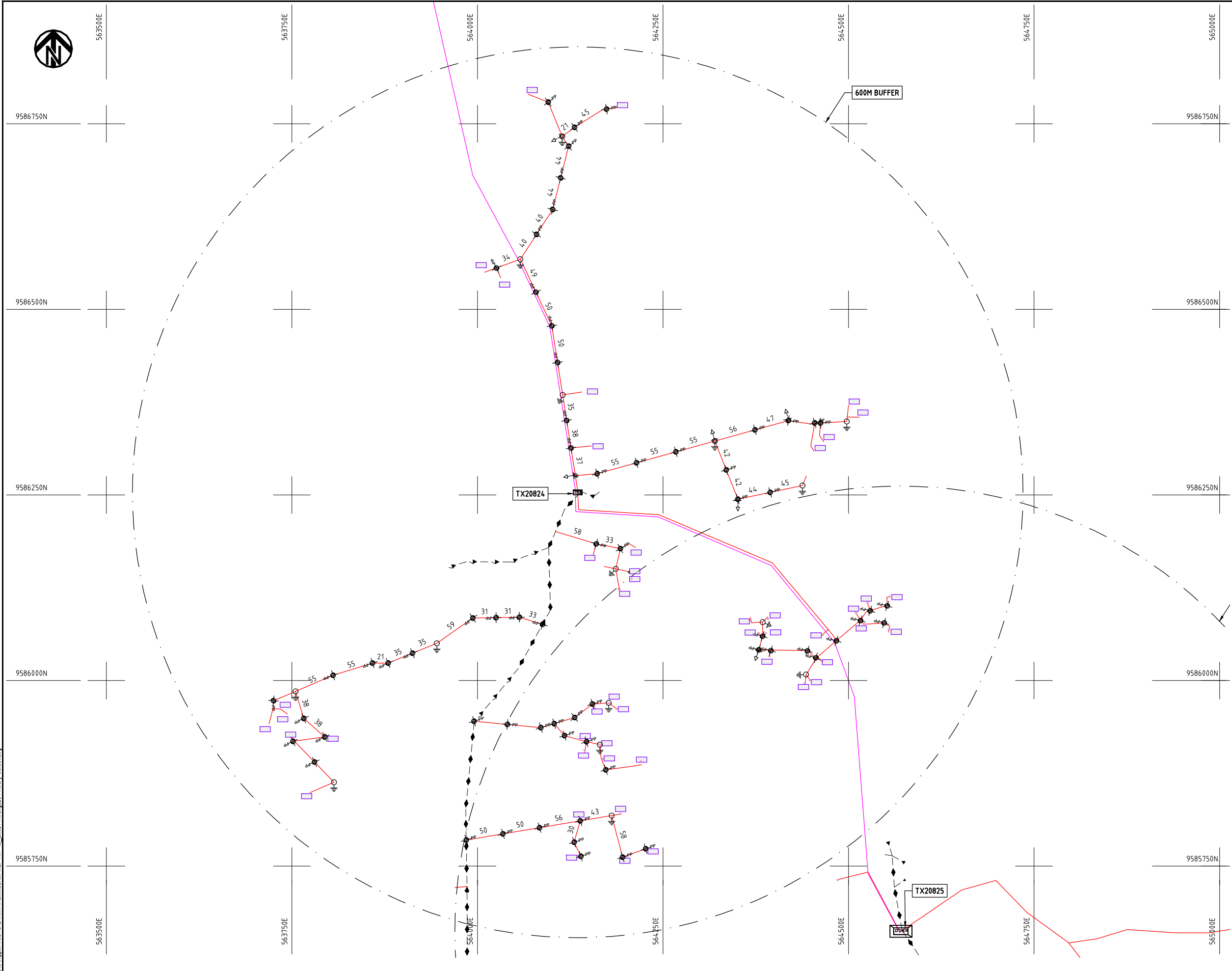
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- PP WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-42_20995_Kinarani.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20995 KINARANI		KLF-MA-42	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

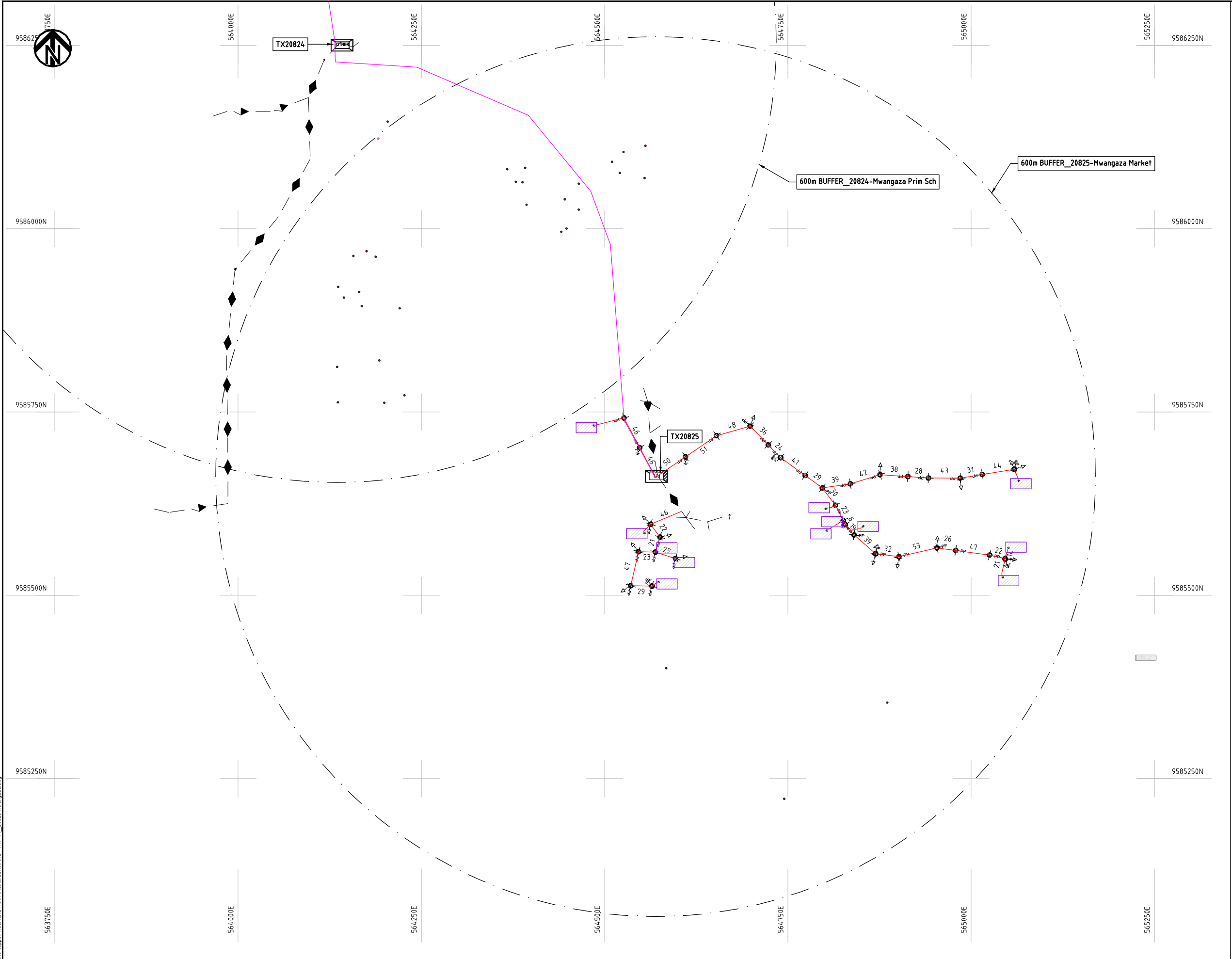
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



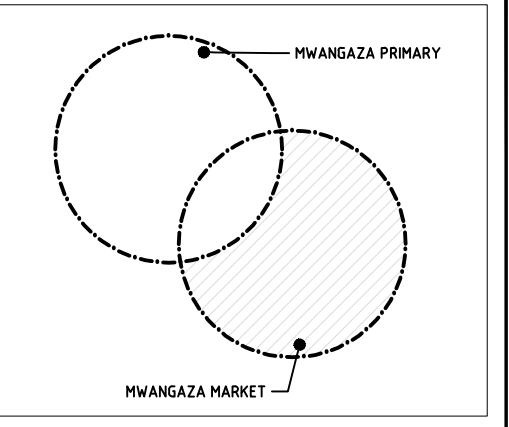
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI	PROJECT SITE: 20824 MWANGAZA PRIMARY SCHOOL	KLF-MA-43	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION	APPROVED BY			Y.TANAKA	
DATE	10th SEP 2018				



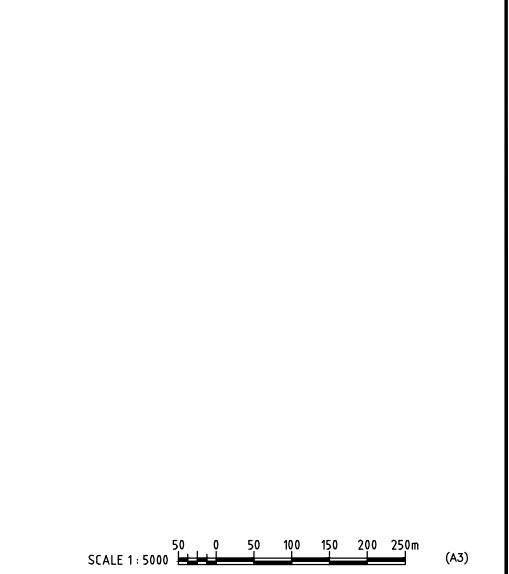


- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



KEY PLAN

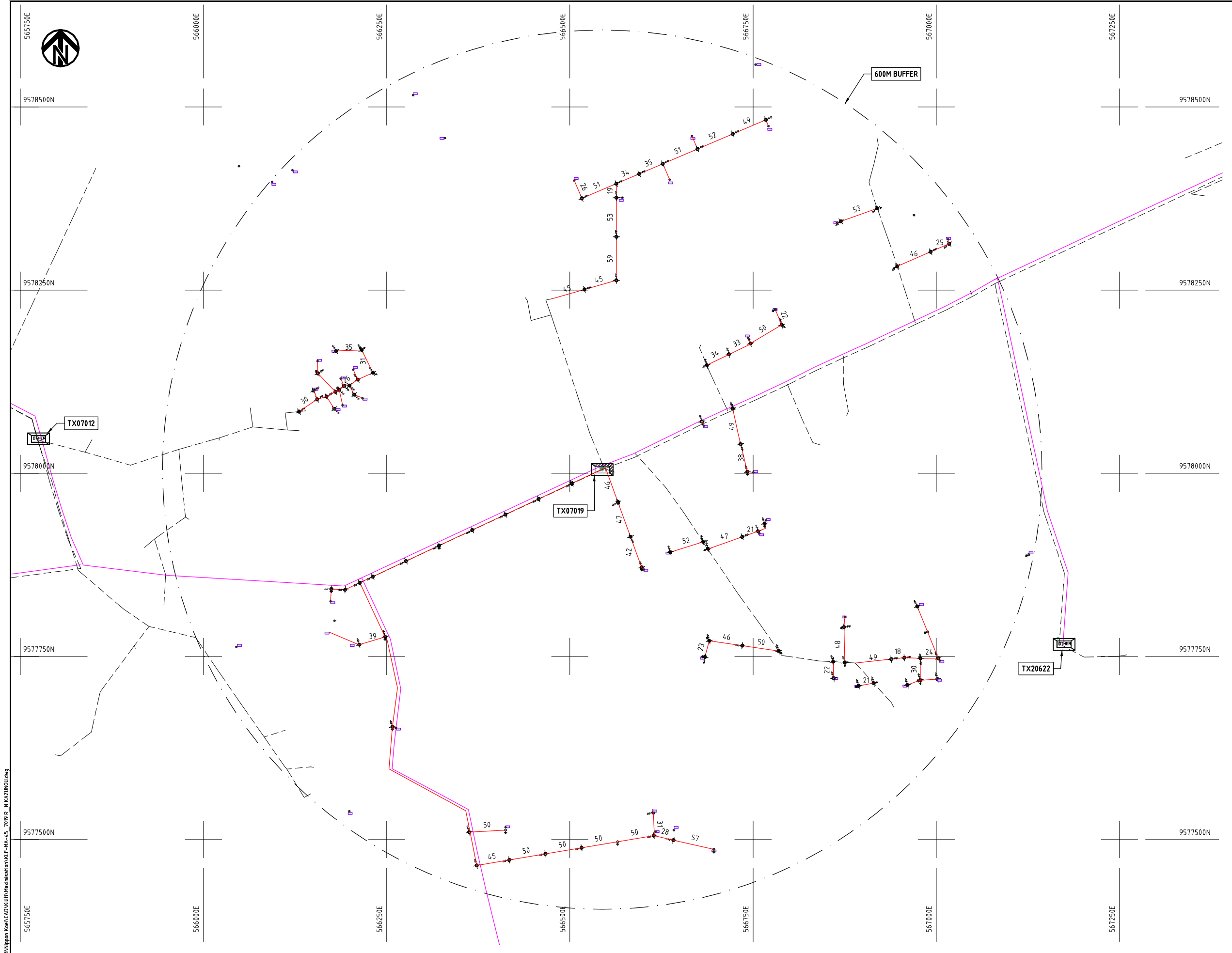
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-44_20825_Mwangaza.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI	PROJECT SITE: 20825 MWANGAZA	KLF-MA-44	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION	APPROVED BY			Y.TANAKA	
DATE	10th SEP 2018				





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - PP WOODEN ELECTRIC POLES
 - CP CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-45_7019 R - N KANZUNGU.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07019-R N KANZUNGU		KLF-MA-45	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





9594000N

557500E

9593750N

9593500N

9593250N

9593000N

557500E

557750E

558000E

558250E

558500E

558750E

559000E

9594000N

9593750N

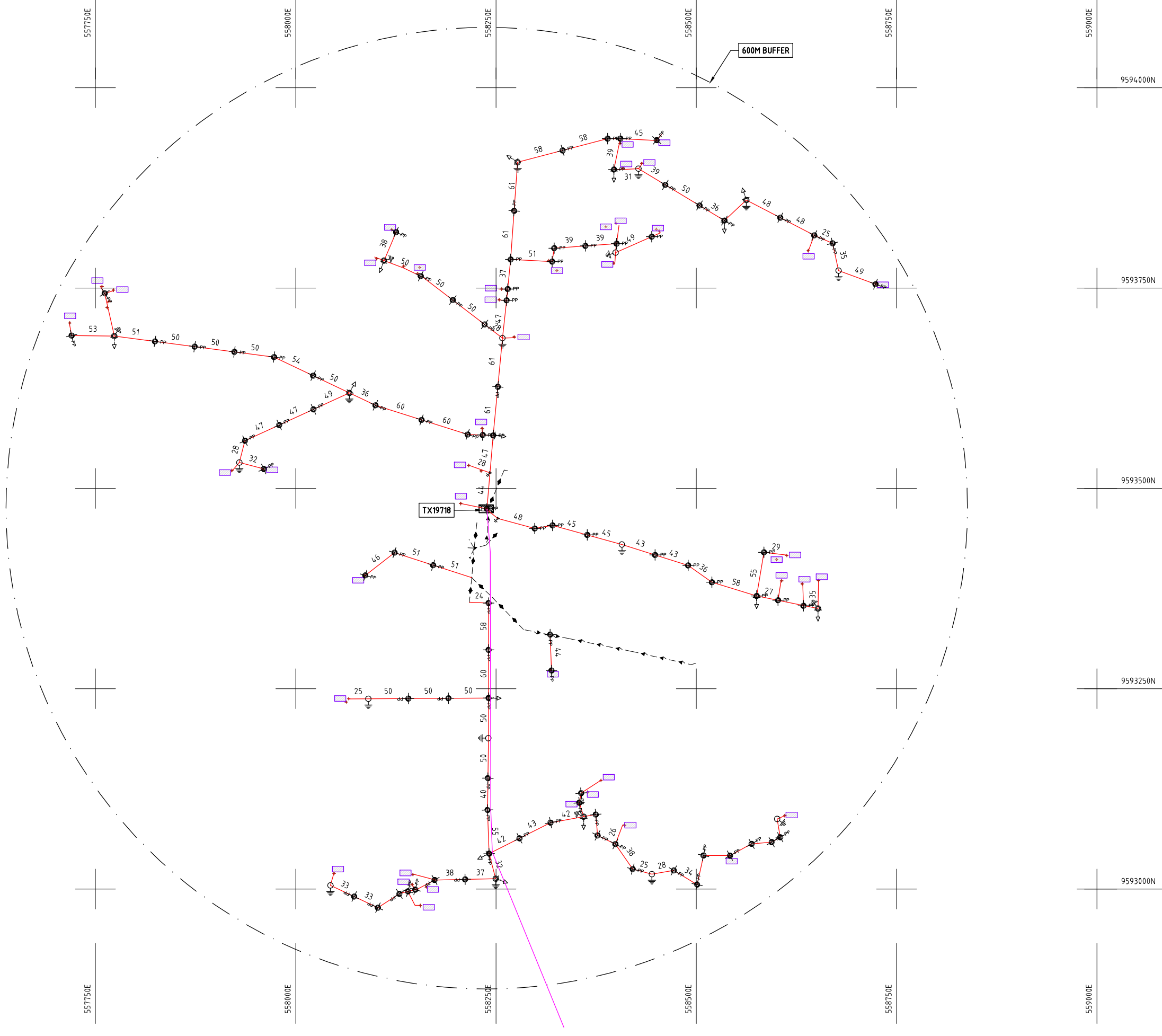
9593500N

9593250N

9593000N

559000E

600M BUFFER



NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



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PROJECT:

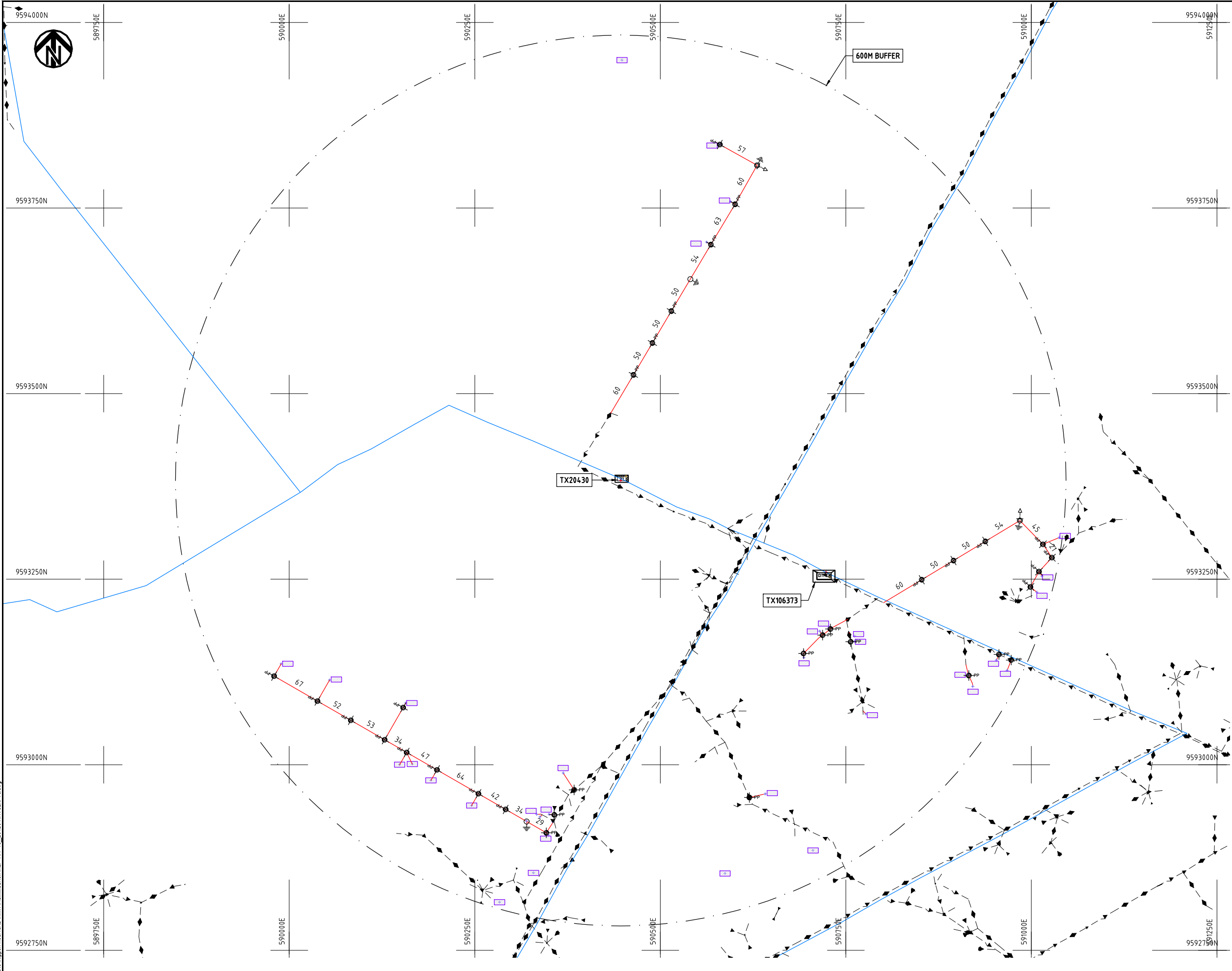
**THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA**

DRAWING TITLE

COUNTY: KILIFI
SCHEME: MAXIMIZATION
PROJECT SITE: 19718-KABATHENI MARKET

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-46	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018

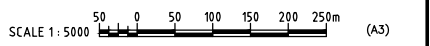




- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

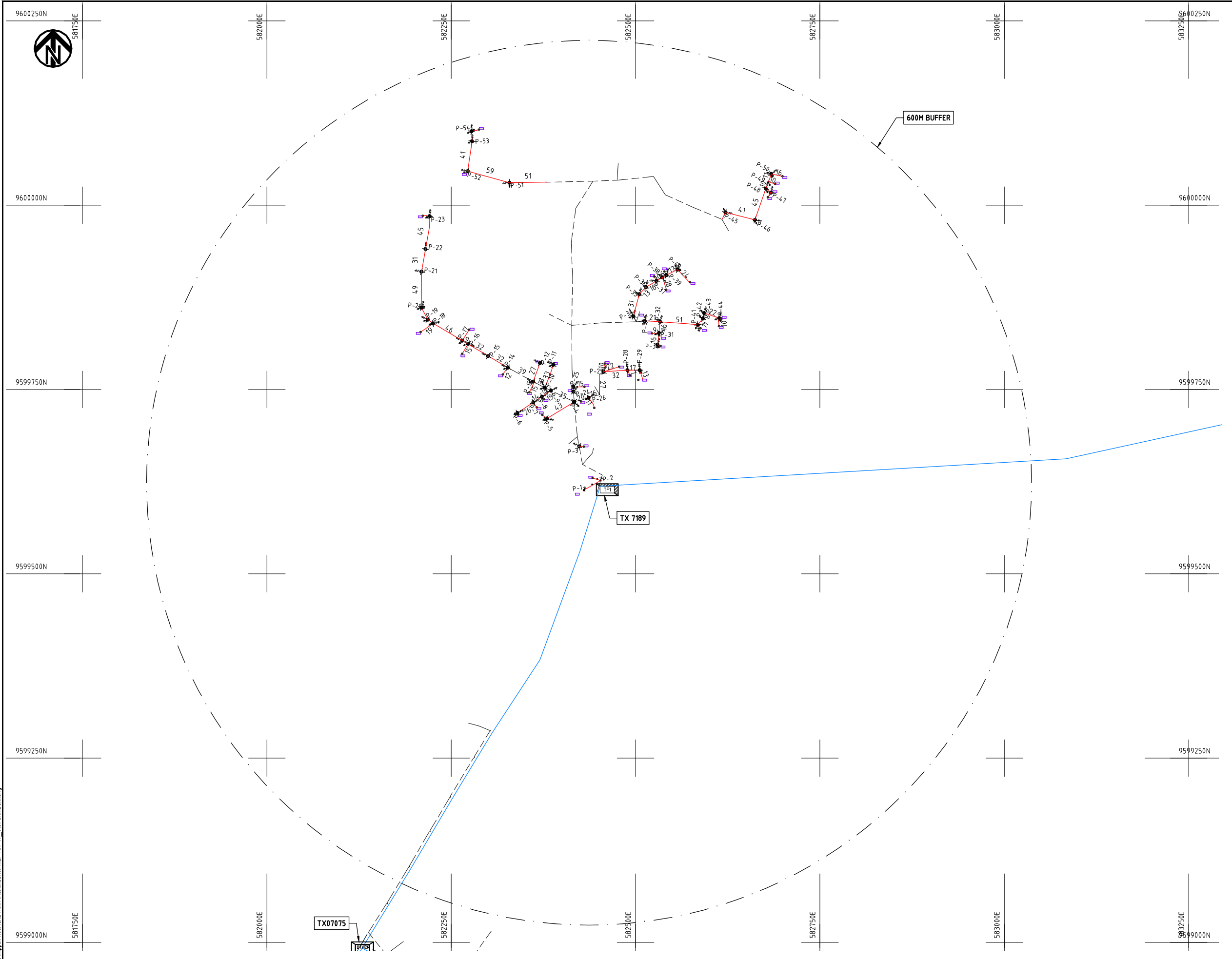
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- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-48_20430 MAVUENI TC.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20430 MAVUENI TC		KLF-MA-48	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

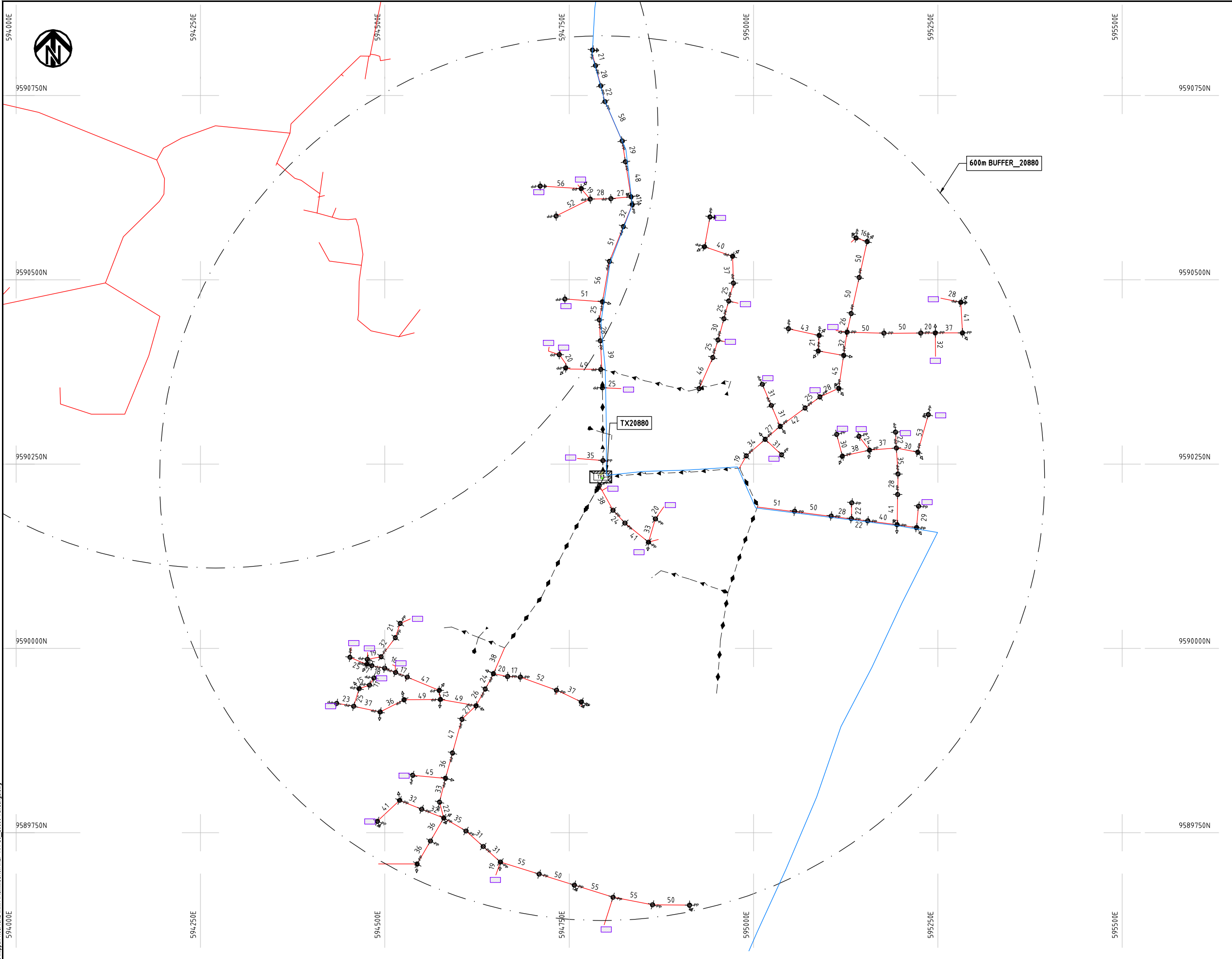
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - PP WOODEN ELECTRIC POLES
 - CP CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



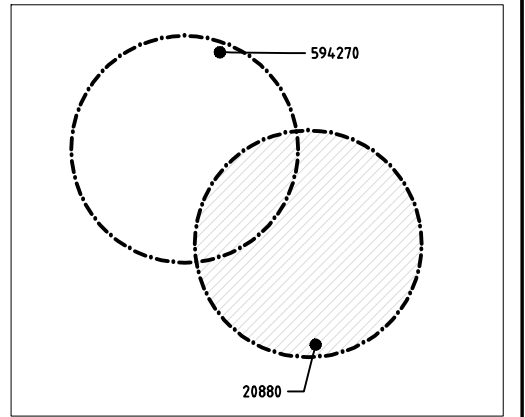
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-49	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 07189-JARIBUNI			DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



KEY PLAN

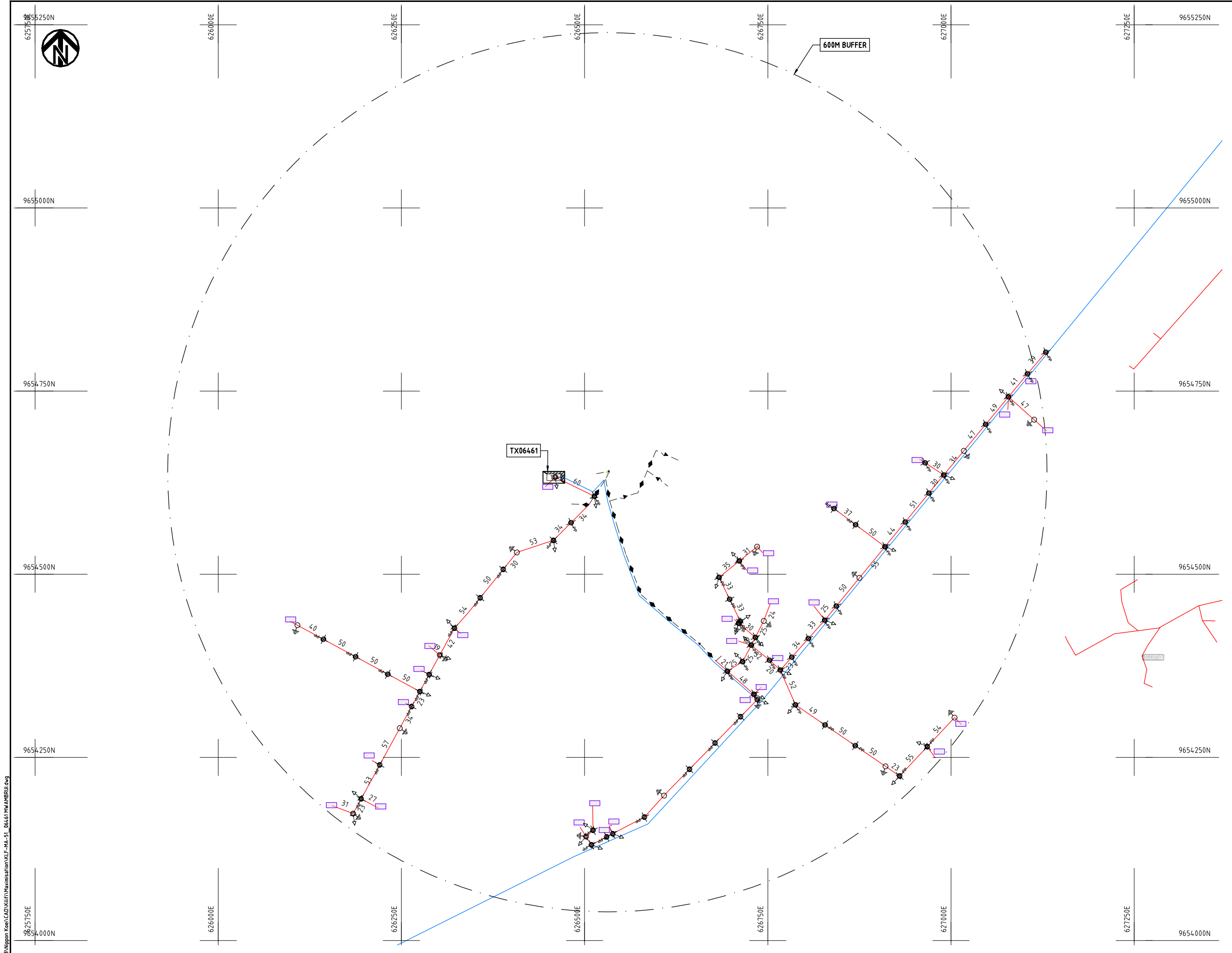
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-50_20880_Takaungu.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE	DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20880 TAKAUNGU	KLF-MA-50	CHECKED BY	S.MAETA
			APPROVED BY	Y.TANAKA
			DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

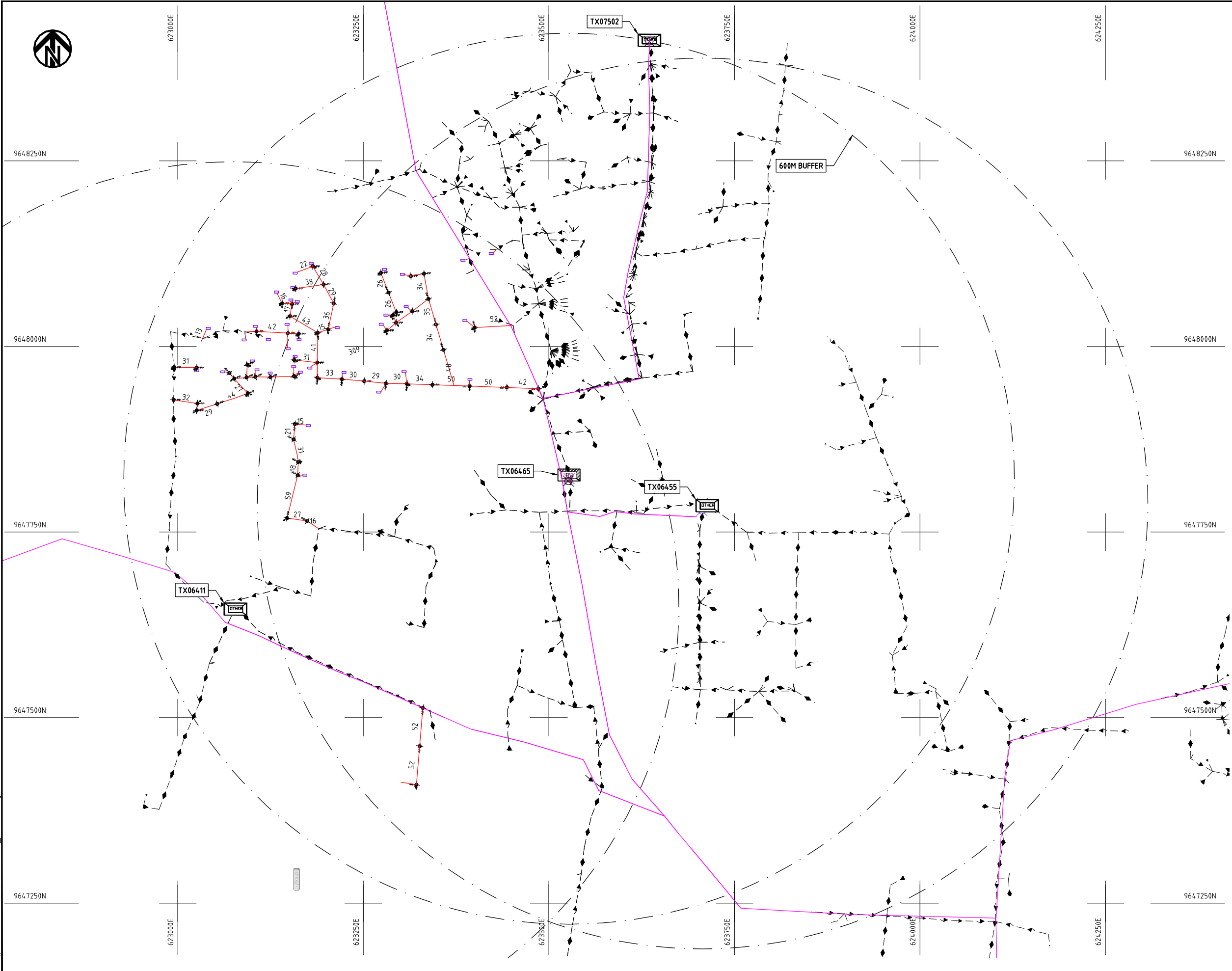
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



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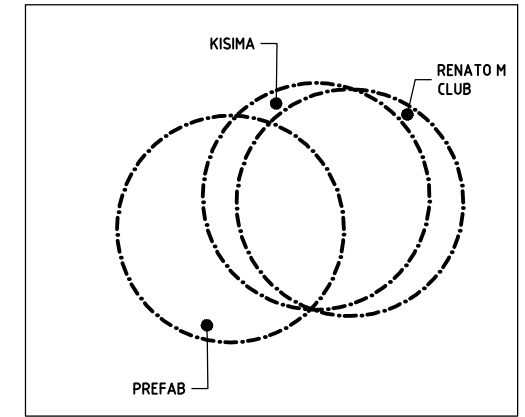
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-51	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 06461 MWAMBURI			DATE	10th SEP 2018	





NOTES:

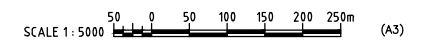
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



KEY PLAN

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



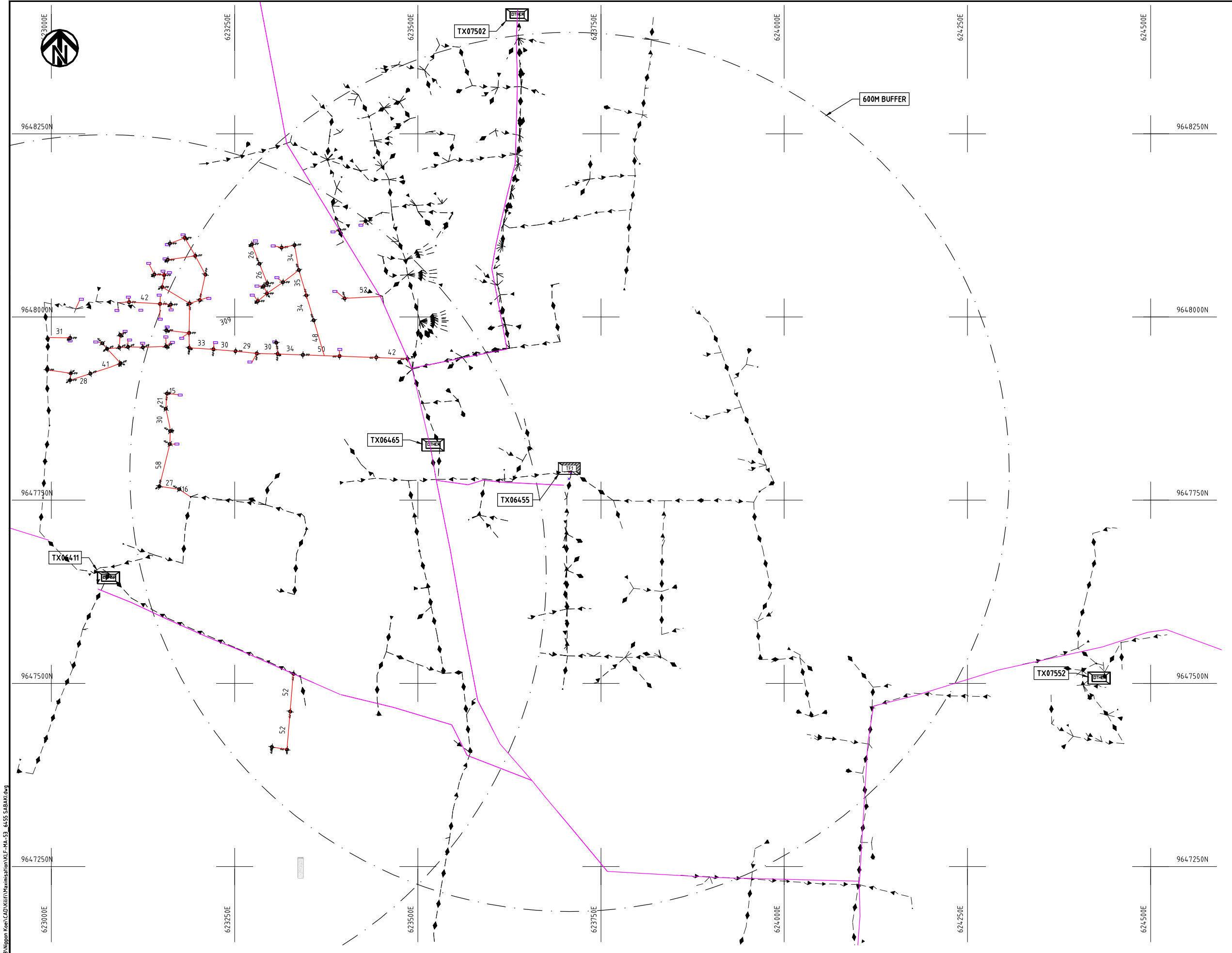
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

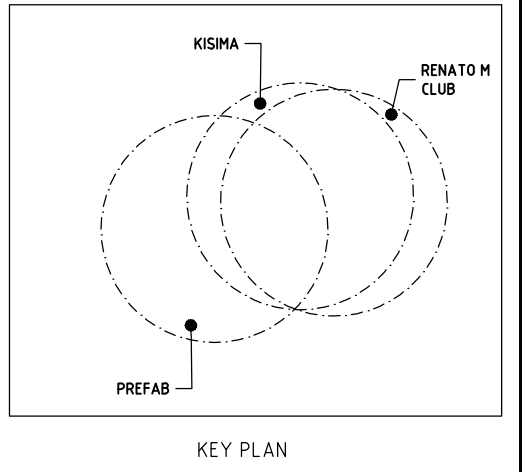
DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 06465-SABAKI

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-52	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018

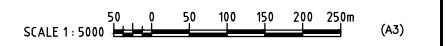




- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



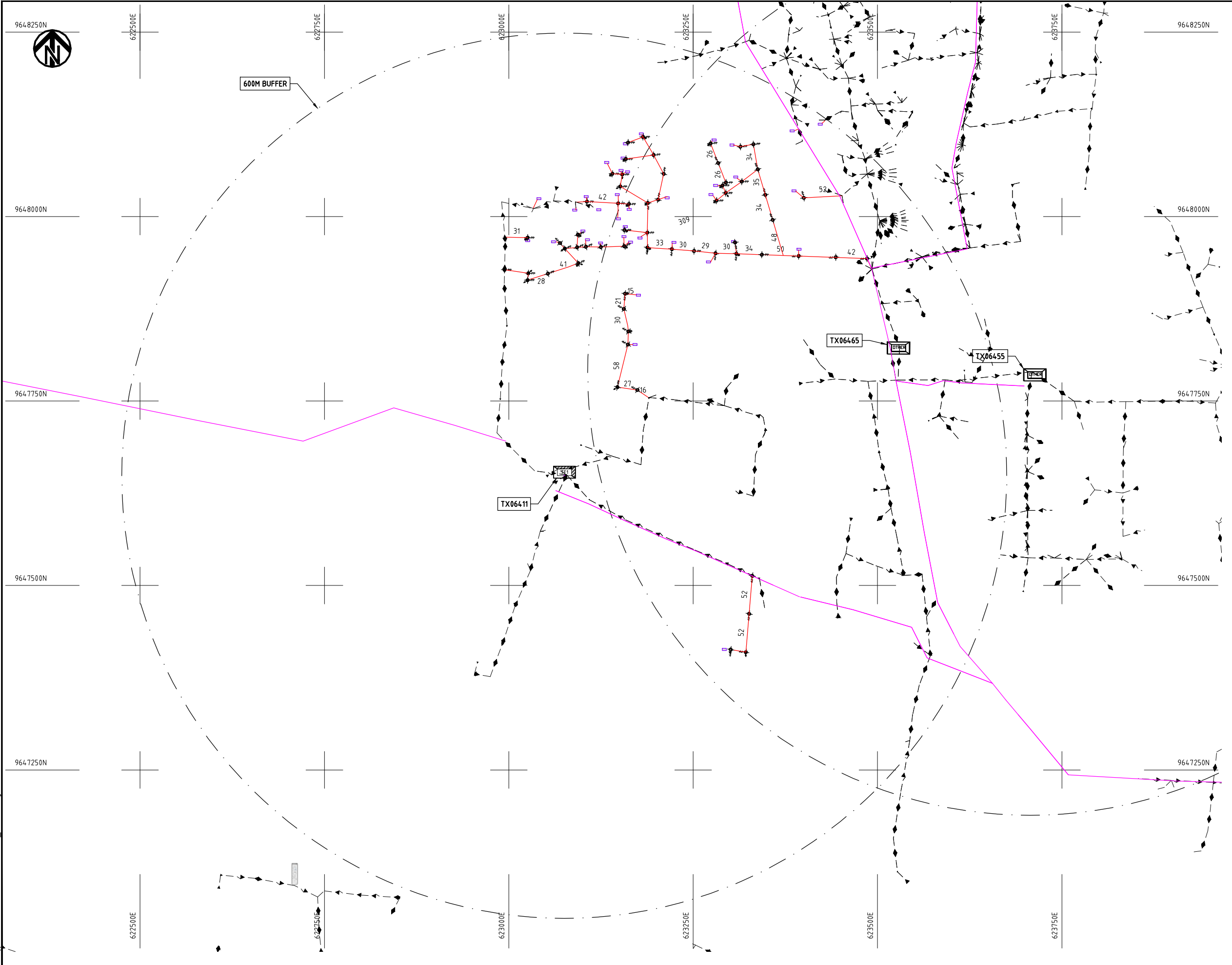
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



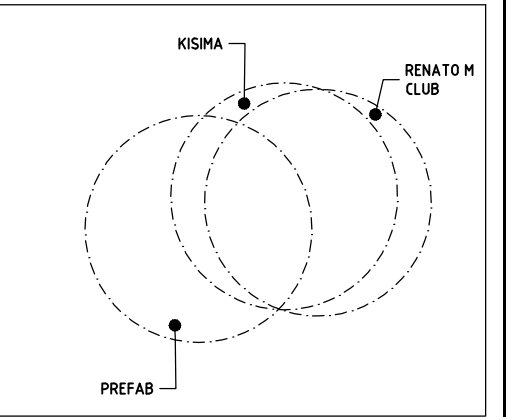
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-53	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 06455-SABAKI		DATE		10th SEP 2018	



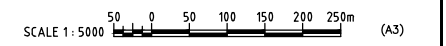


- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



KEY PLAN

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-54	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 06411-KISIMA			DATE	10th SEP 2018	





558500E

558750E

559000E

559250E

559500E

559750E

560000E

9591000N

9591000N

9590750N

9590750N

9590500N

9590500N

9590250N

9590250N

9590000N

9590000N

558500E

558750E

559000E

559250E

559500E

559750E

560000E

600M BUFFER

TX19529

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1:5000 (A3)

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KILIFI
SCHEME: MAXIMIZATION
PROJECT SITE: 19529 VIRAGONI

DRAW. NO.

KLF-MA-55

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

APPROVED BY

Y.TANAKA

DATE

10th SEP 2018



NIPPON KOEI CO., LTD



579750E

580000E

580250E

580500E

580750E

581000E

581250E

9565750N

9565750N

9565500N

9565500N

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580000E

580250E

580500E

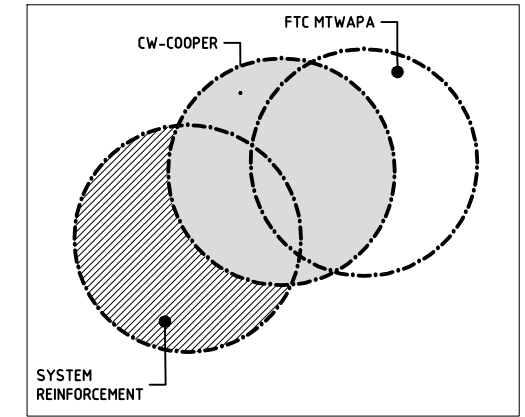
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581000E

581250E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.



KEY PLAN

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1:5000 (A3)

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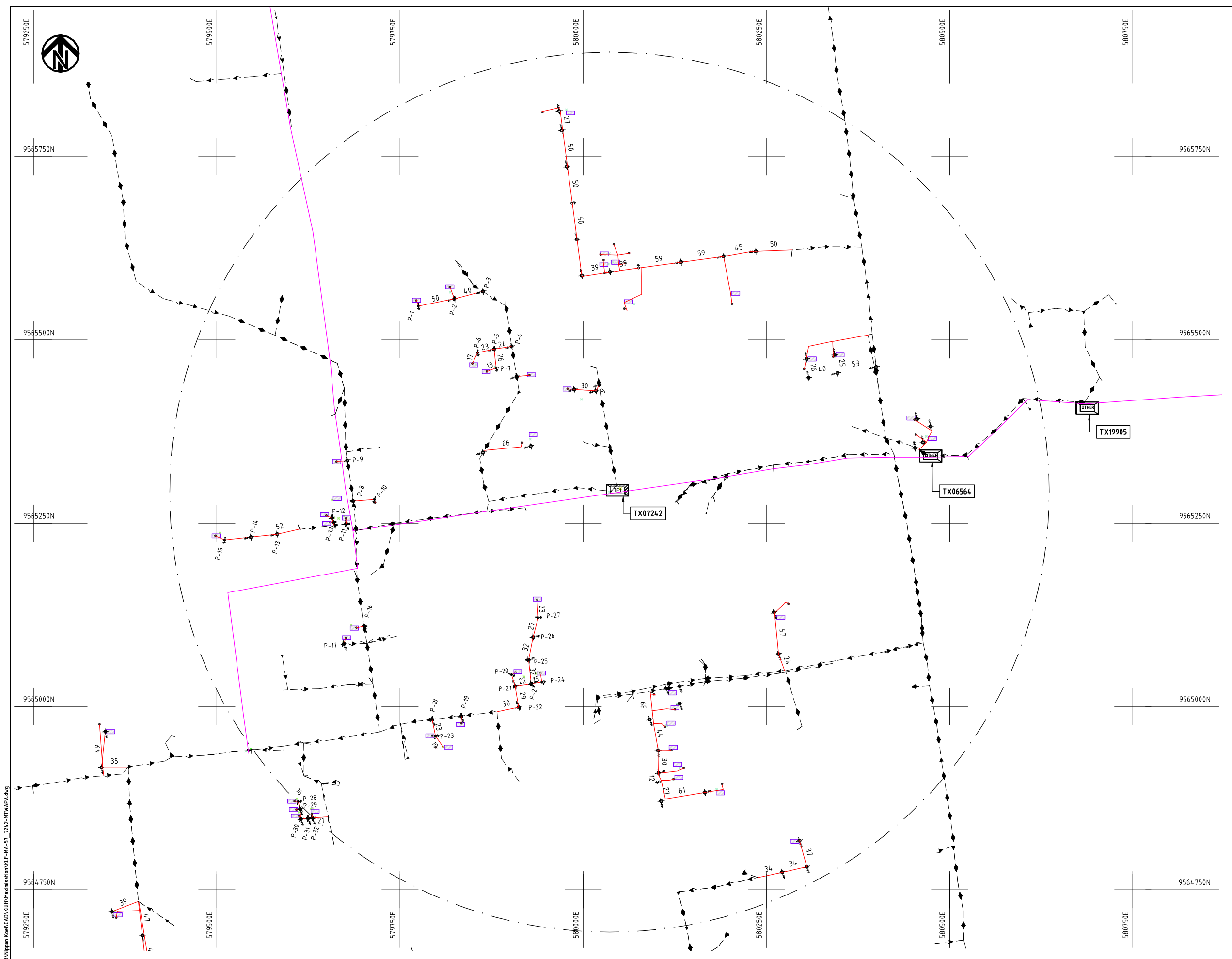
**THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA**

DRAWING TITLE

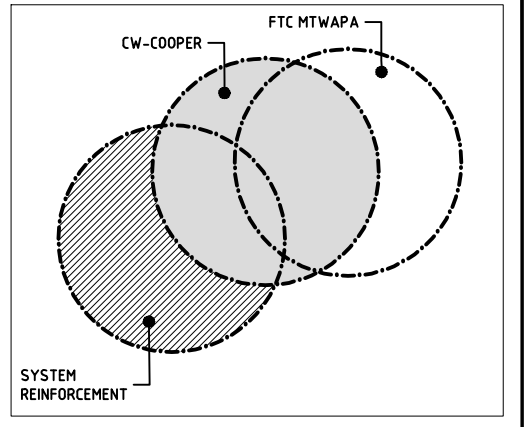
COUNTY: KILIFI
SCHEME: MAXIMIZATION
PROJECT SITE: 06564-MTWAPA

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-56	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.



KEY PLAN

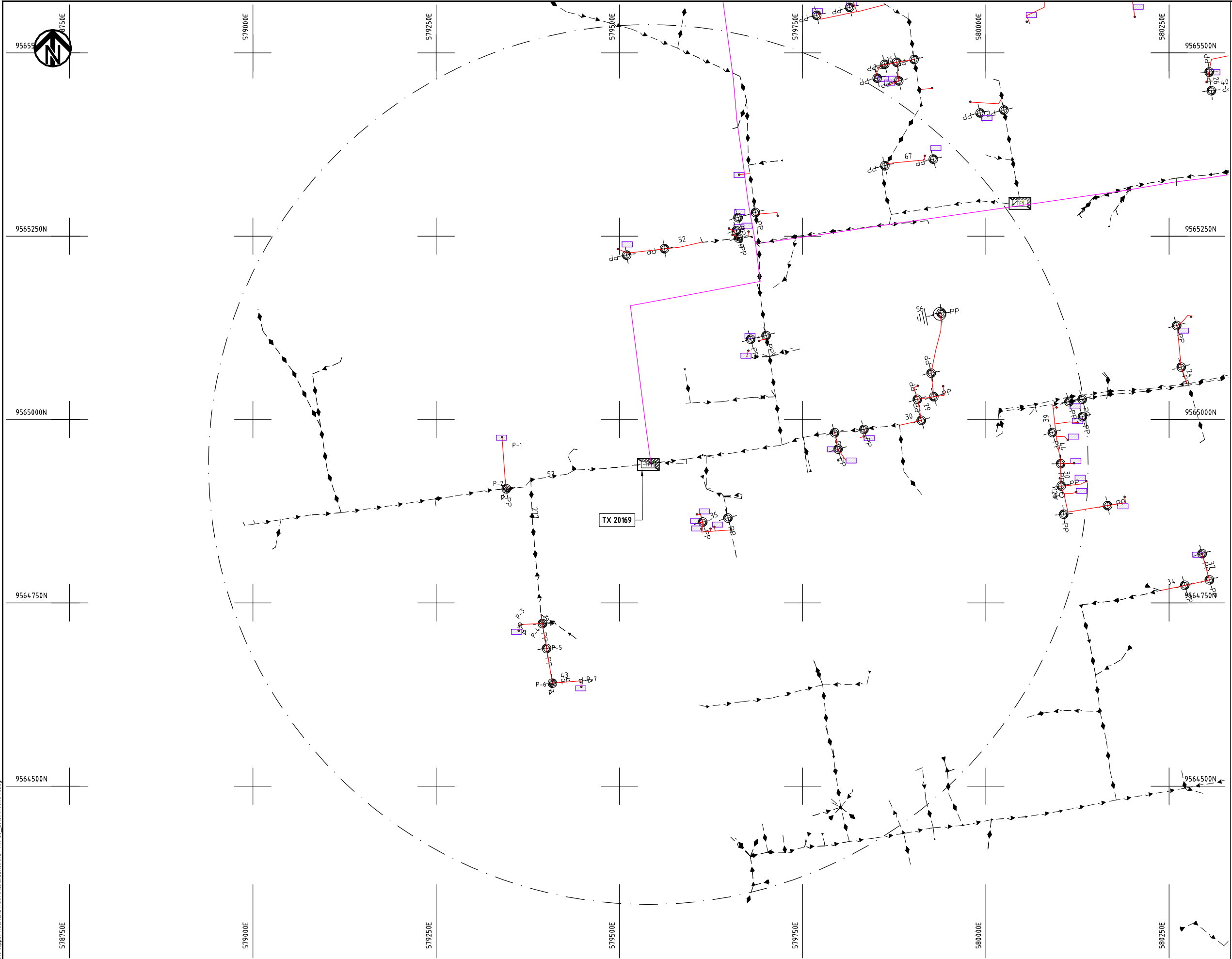
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED 11kV
 - PROPOSED 33kV
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES 12M
 - CONCRETE ELECTRIC POLES 11M
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 7242-MTWAPA		KLF-MA-57	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

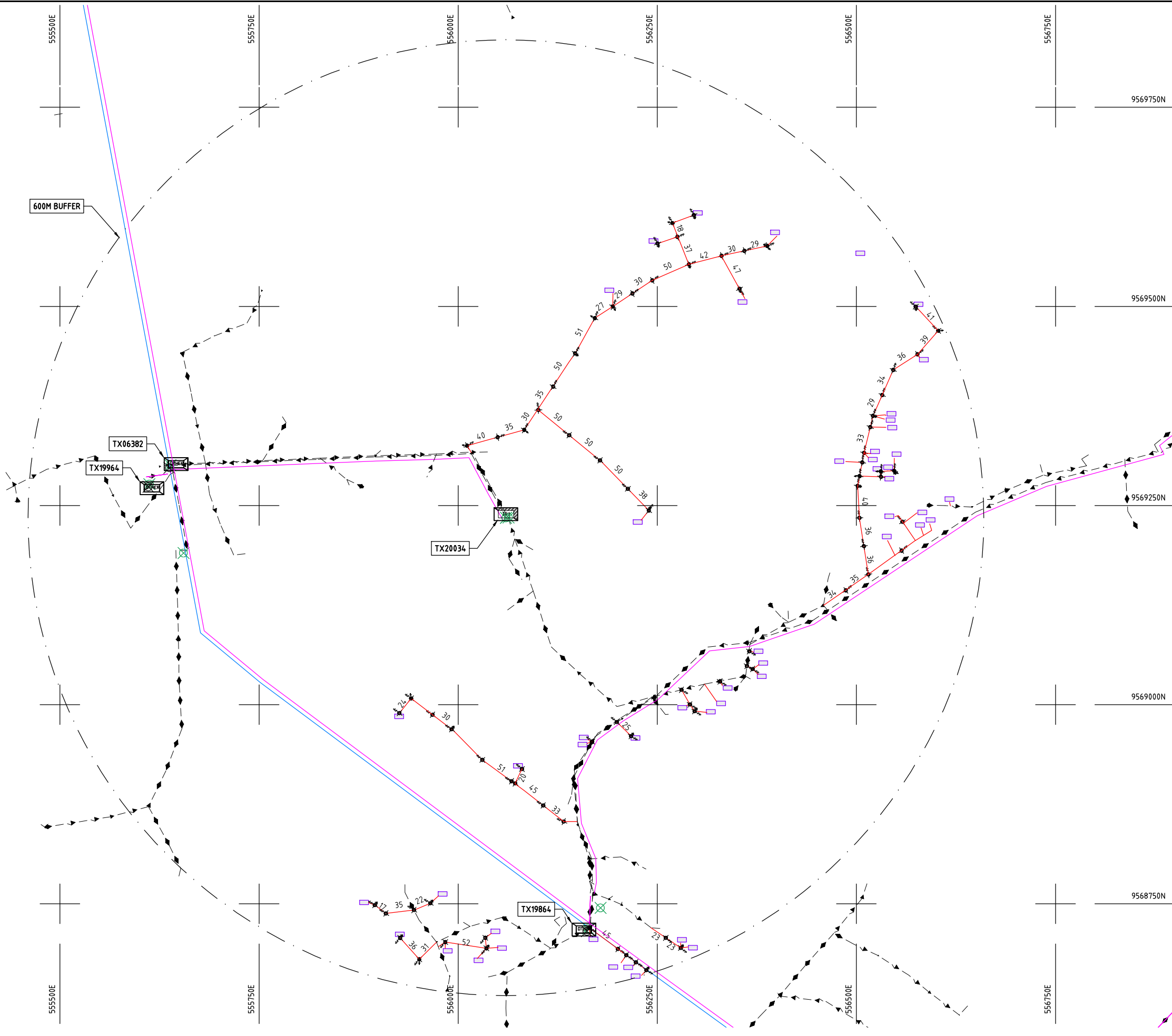
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY

SCALE 1:5000 (A3)

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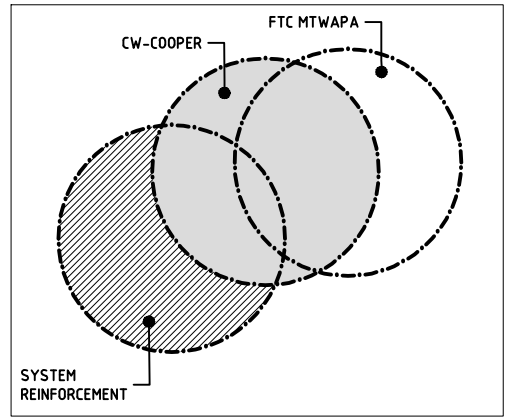
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20169 MTWAPA		KLF-MA-58	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



KEY PLAN

LEGEND

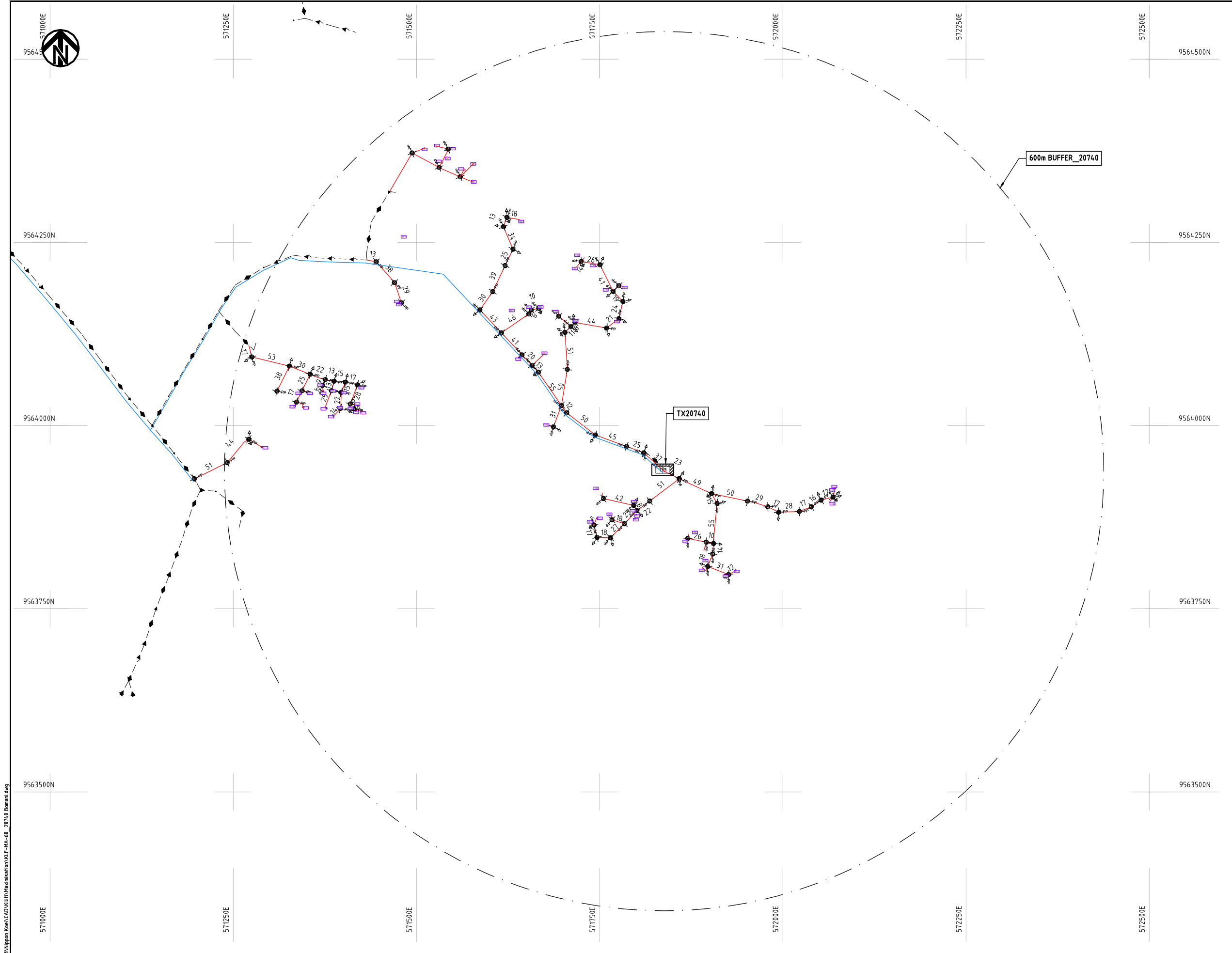
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20034 - MARIAKANI SLAUGHTER		KLF-MA-59	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

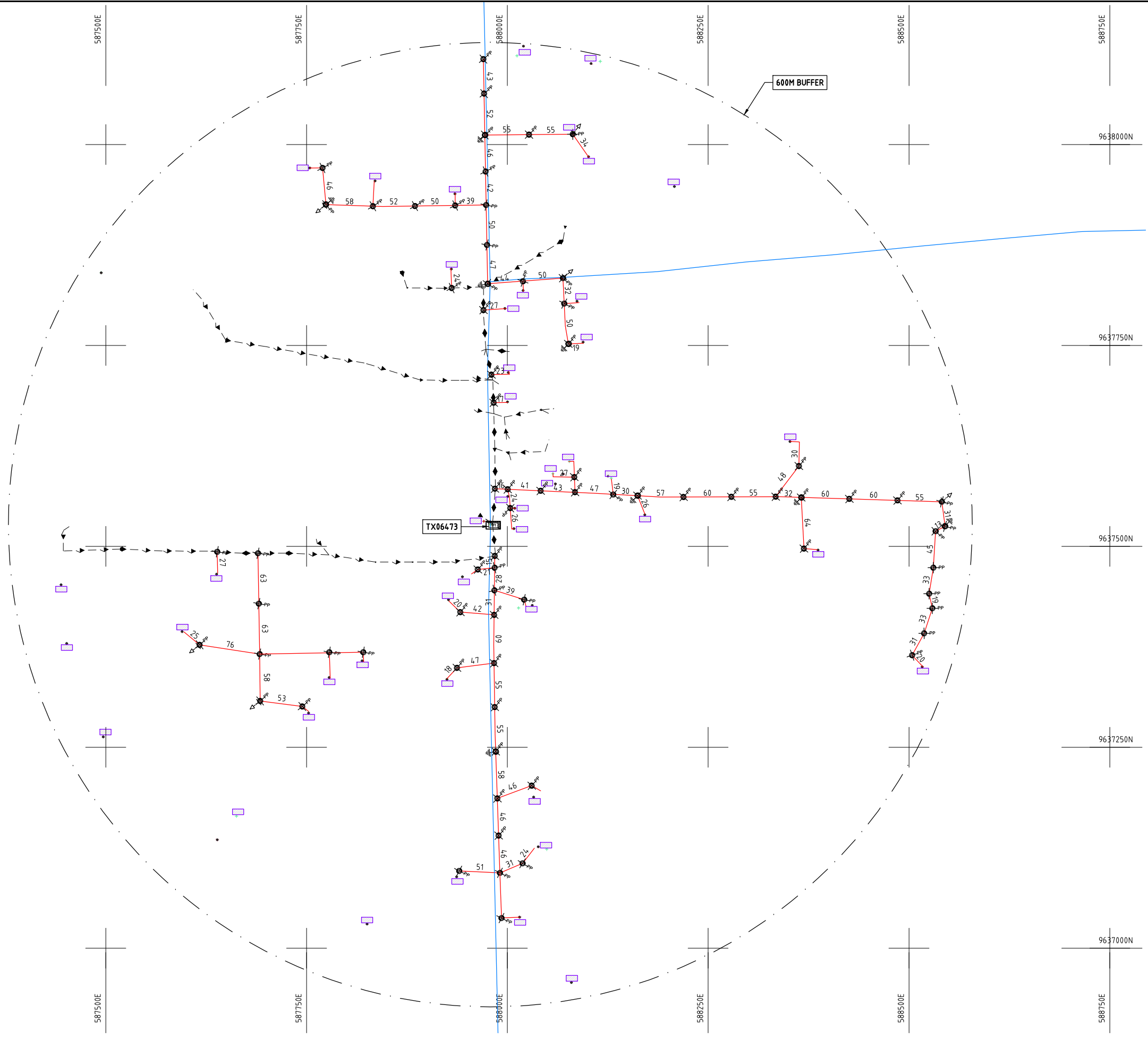
	HOUSEHOLDS/ BUILDINGS
	PROPOSED DISTRIBUTION LINE
	EXISTING 11kV LINE
	EXISTING 33kV LINE
	EXISTING DISTRIBUTION LINE
	MAXIMISATION TRANSFORMER
	EXTENSION TRANSFORMER
	OTHER EXISTING TRANSFORMER
	WOODEN ELECTRIC POLES
	CONCRETE ELECTRIC POLES
	LV-EARTH
	PME -PROTECTIVE MULTIPLE EARTHING
	STAY



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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20740 BOMANI		KLF-MA-60	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



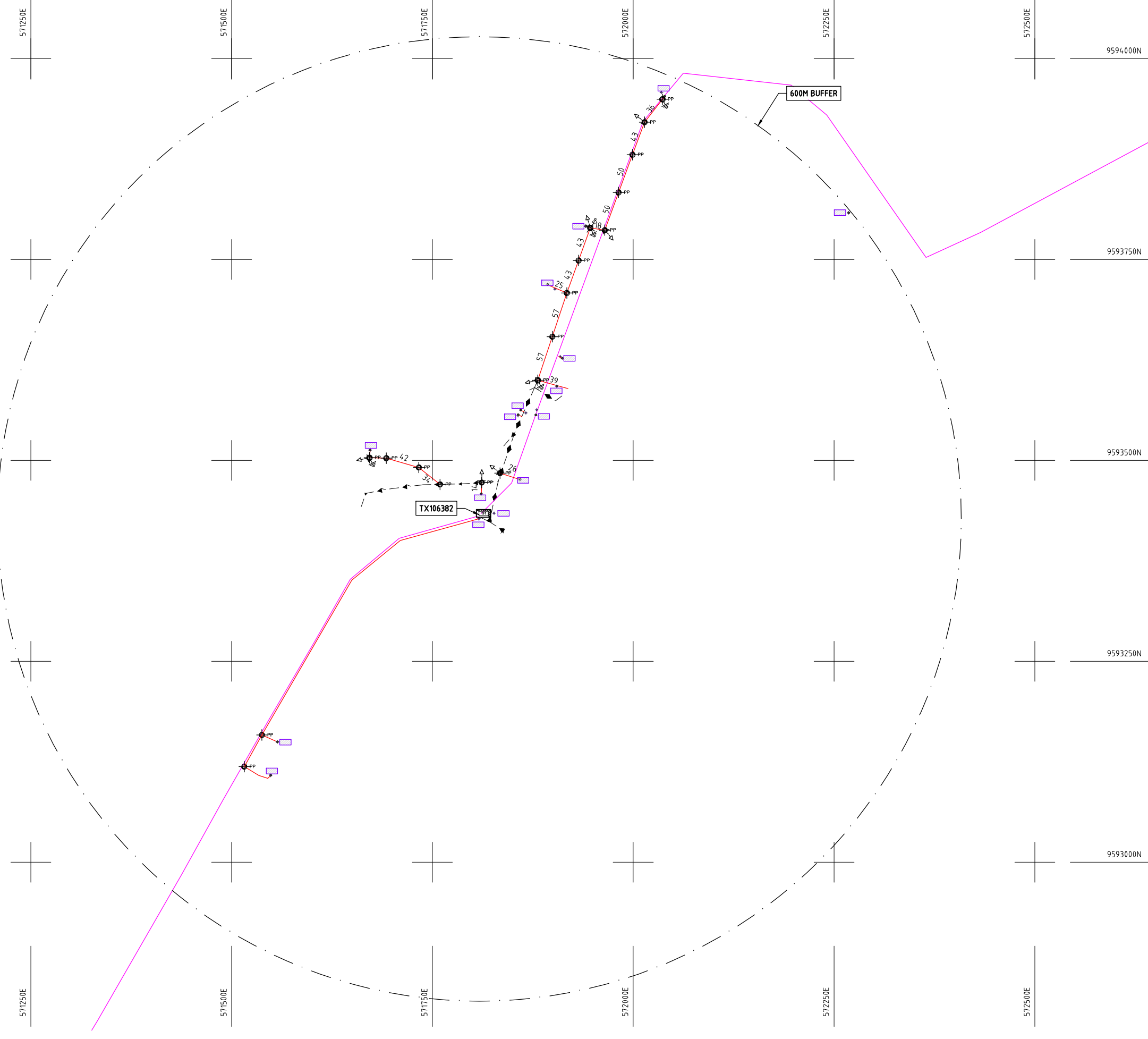
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 06473-KIRUBI

DRAW. NO.	PREPARED BY	A.AKBAR
	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-62-106382 MIGUMOMIRI.dwg

PROJECT:

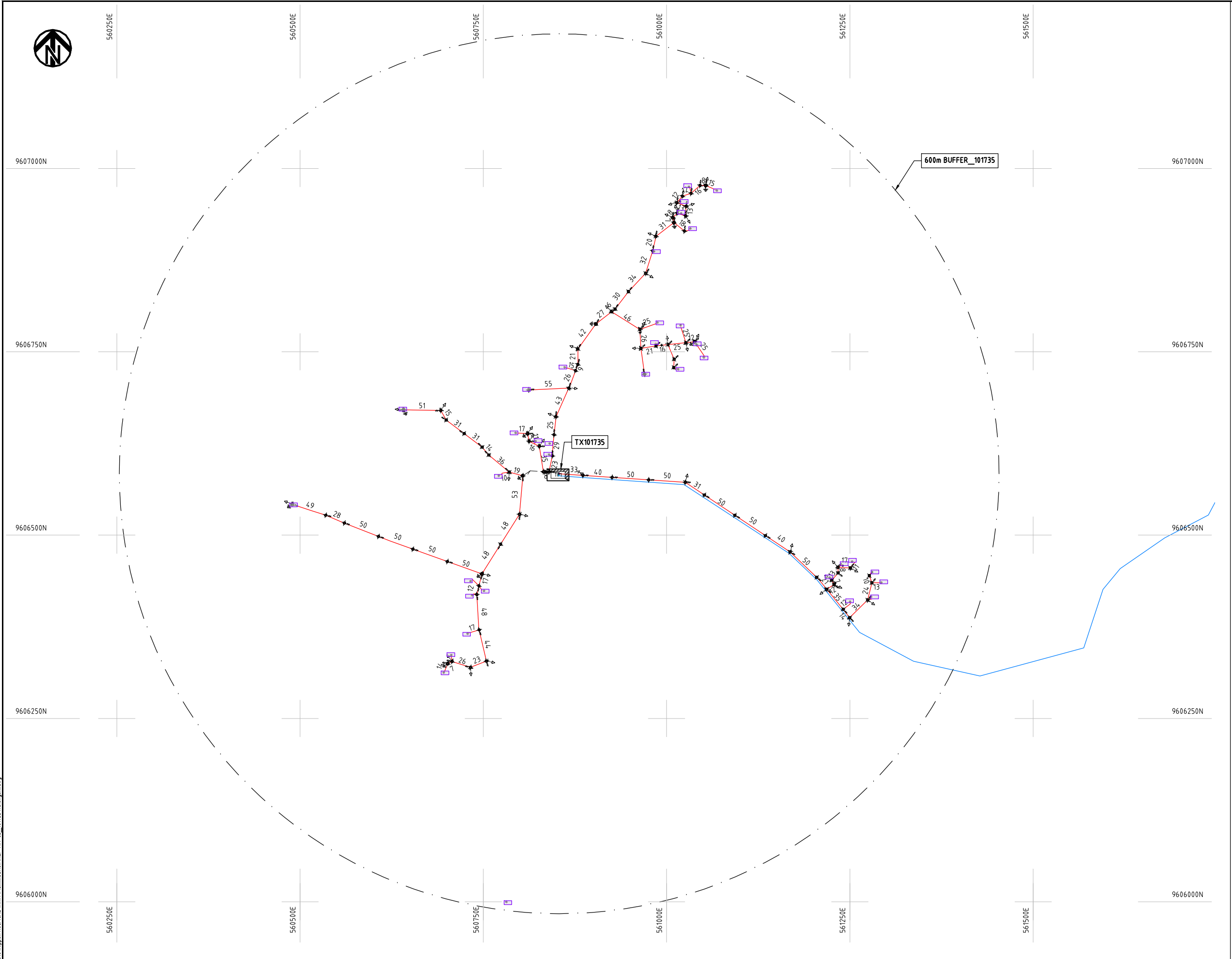
**THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA**

DRAWING TITLE

COUNTY: KILIFI
SCHEME: MAXIMIZATION
PROJECT SITE: 106382 MIGUMOMIRI

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-62	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

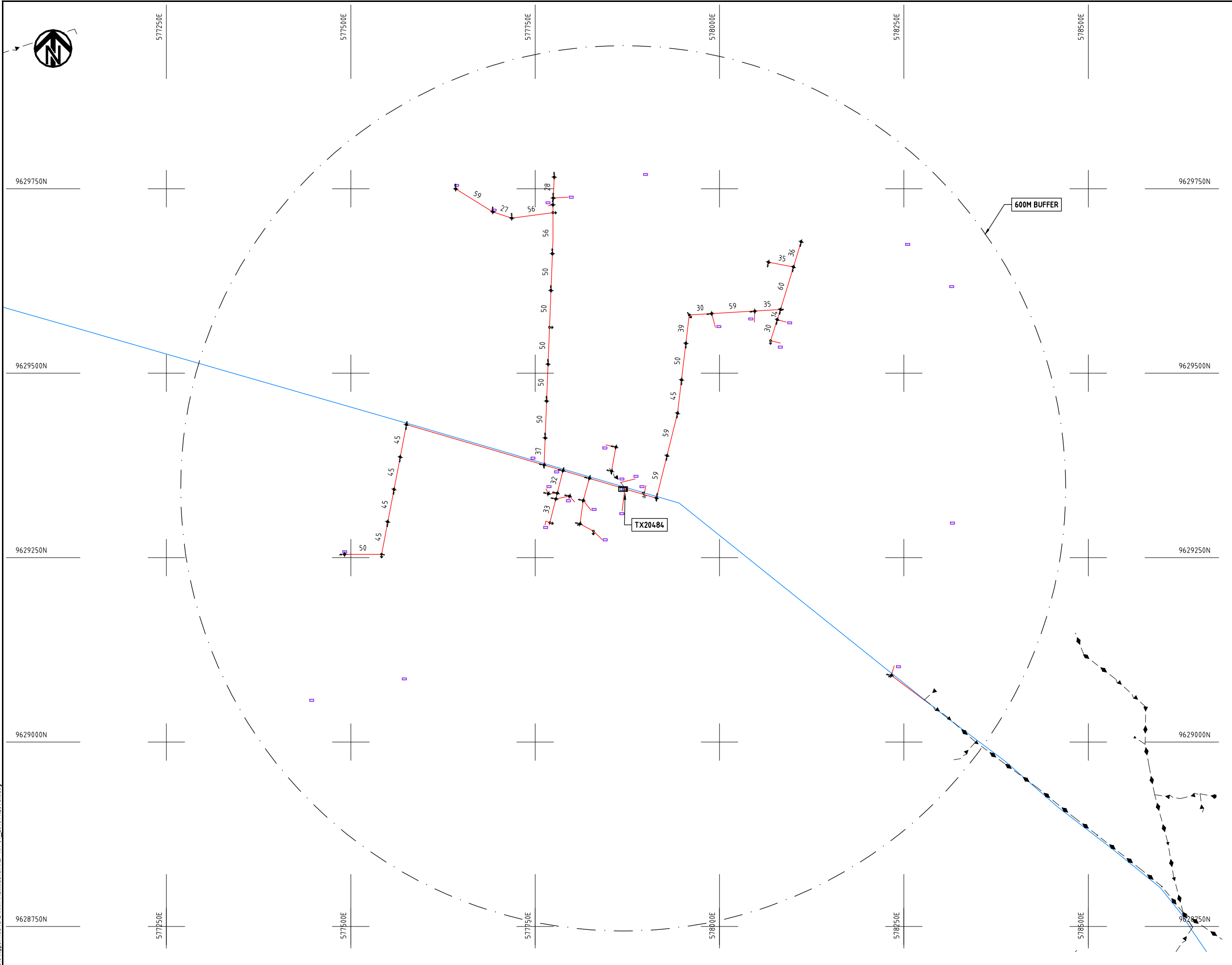
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- PP WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 101735 KALONGONI		KLF-MA-63	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-64_20484_NZOVUNI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-64	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 20484-NZOVUNI			DATE	10th SEP 2018





9604250N

554250E

554500E

554750E

555000E

555250E

555500E

9604250N

9604000N

9604000N

9603750N

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9603250N

554250E

554500E

554750E

555000E

555250E

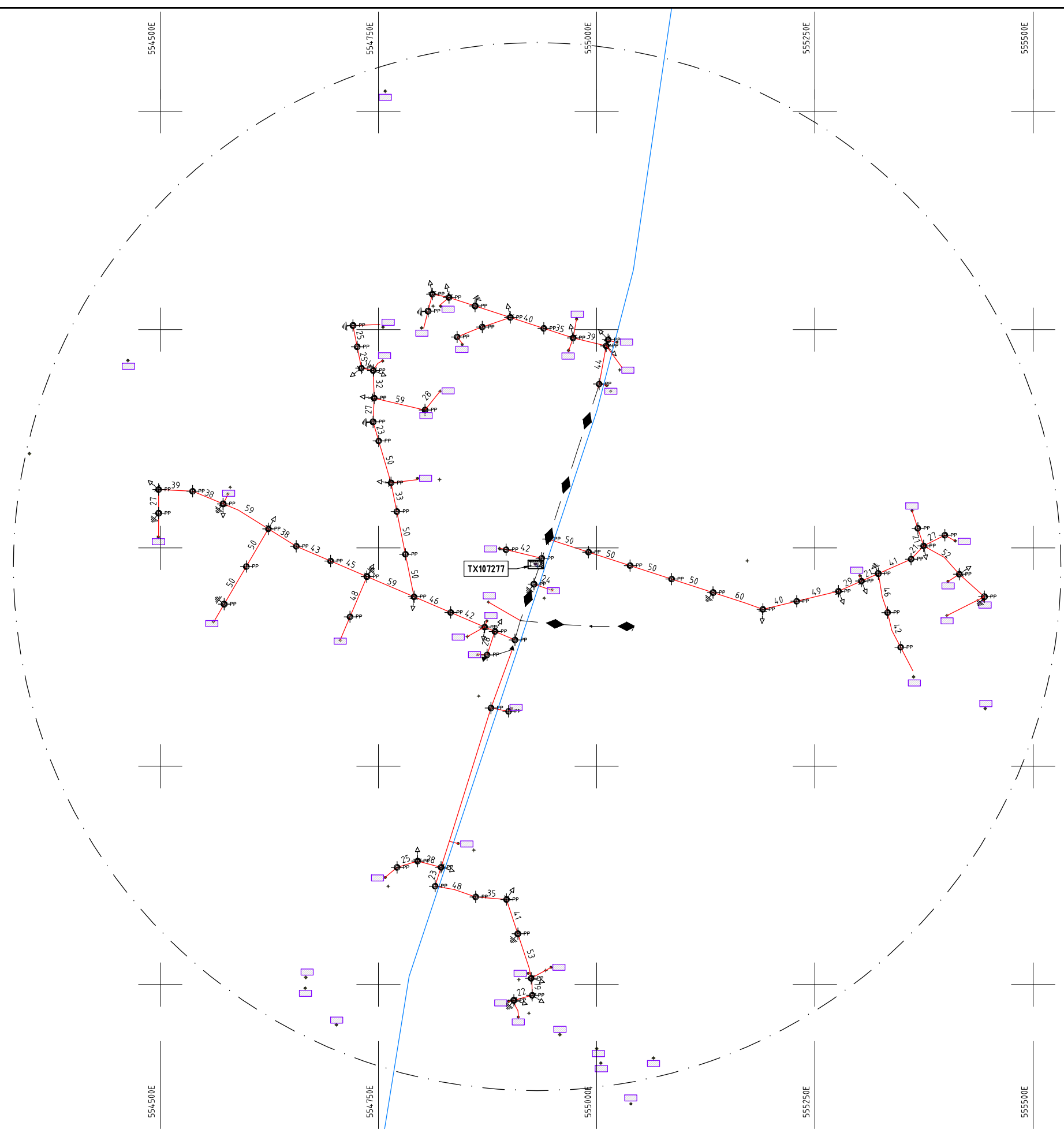
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NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

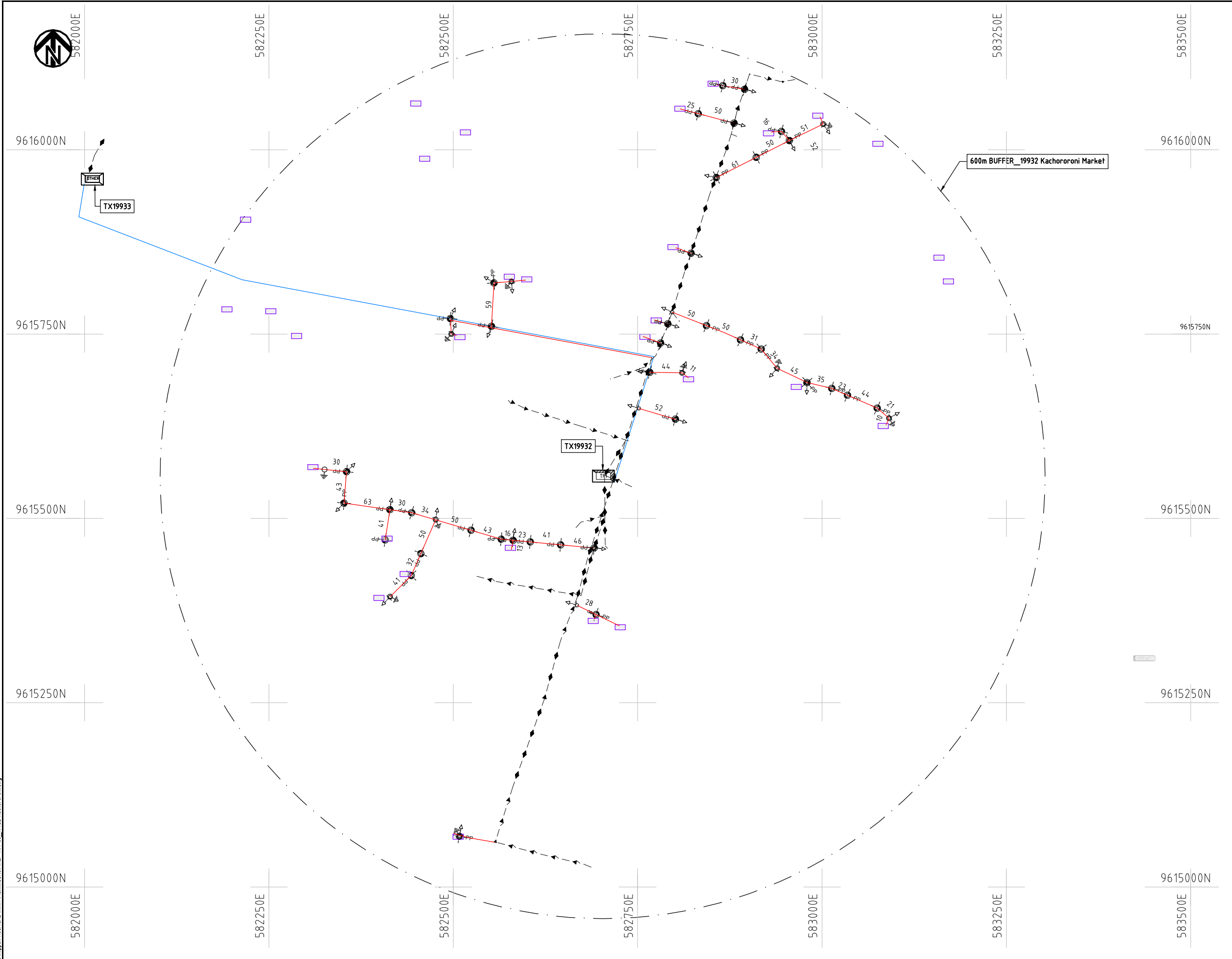
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-65	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 107277 CHAPUNGU			DATE	10th SEP 2018



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-65-107277 CHAPUNGU.dwg
 Oct 31, 2018 - 10:23am



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

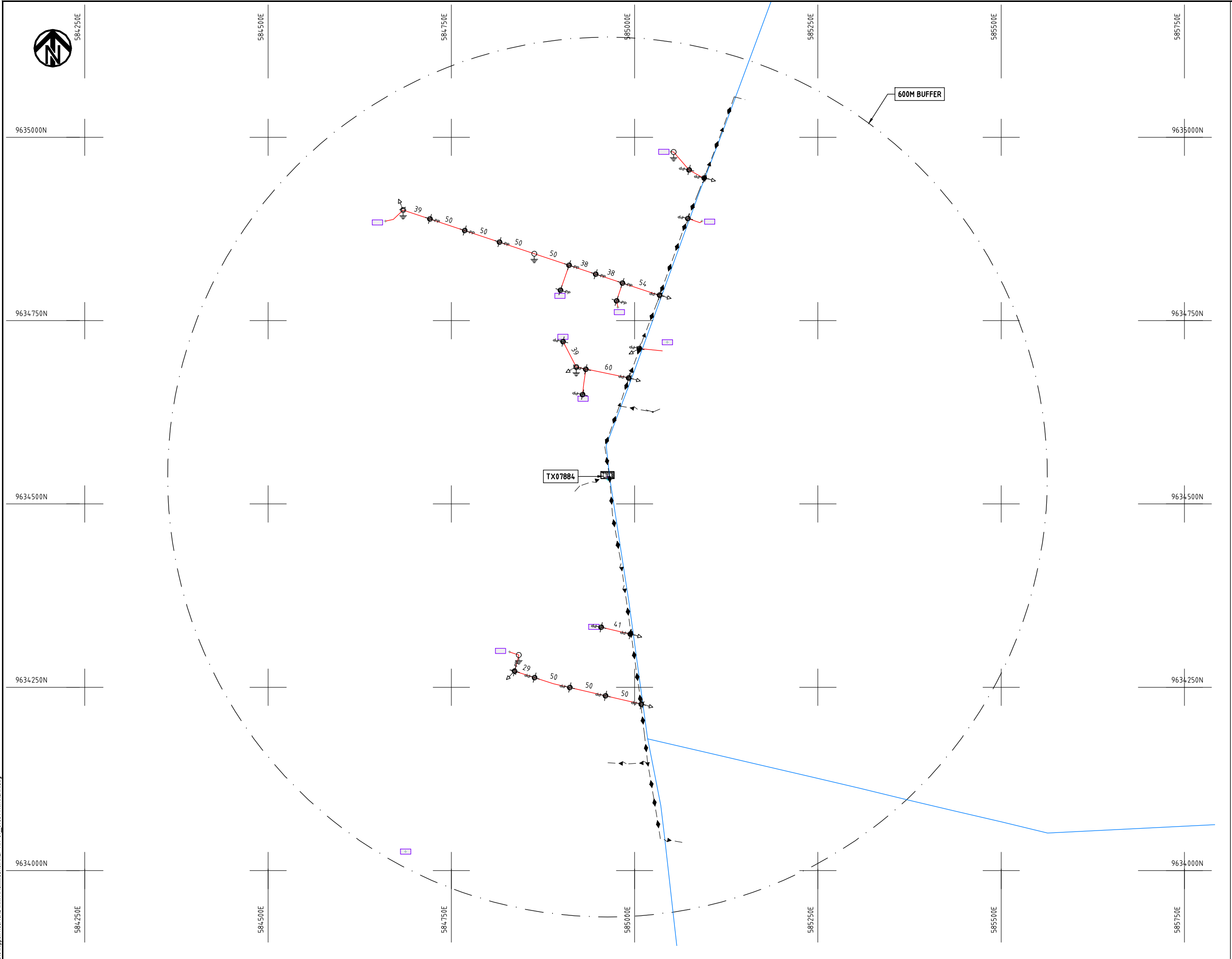
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-66_19932 Kachororoni.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 19932 KACHORORONI		KLF-MA-66	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

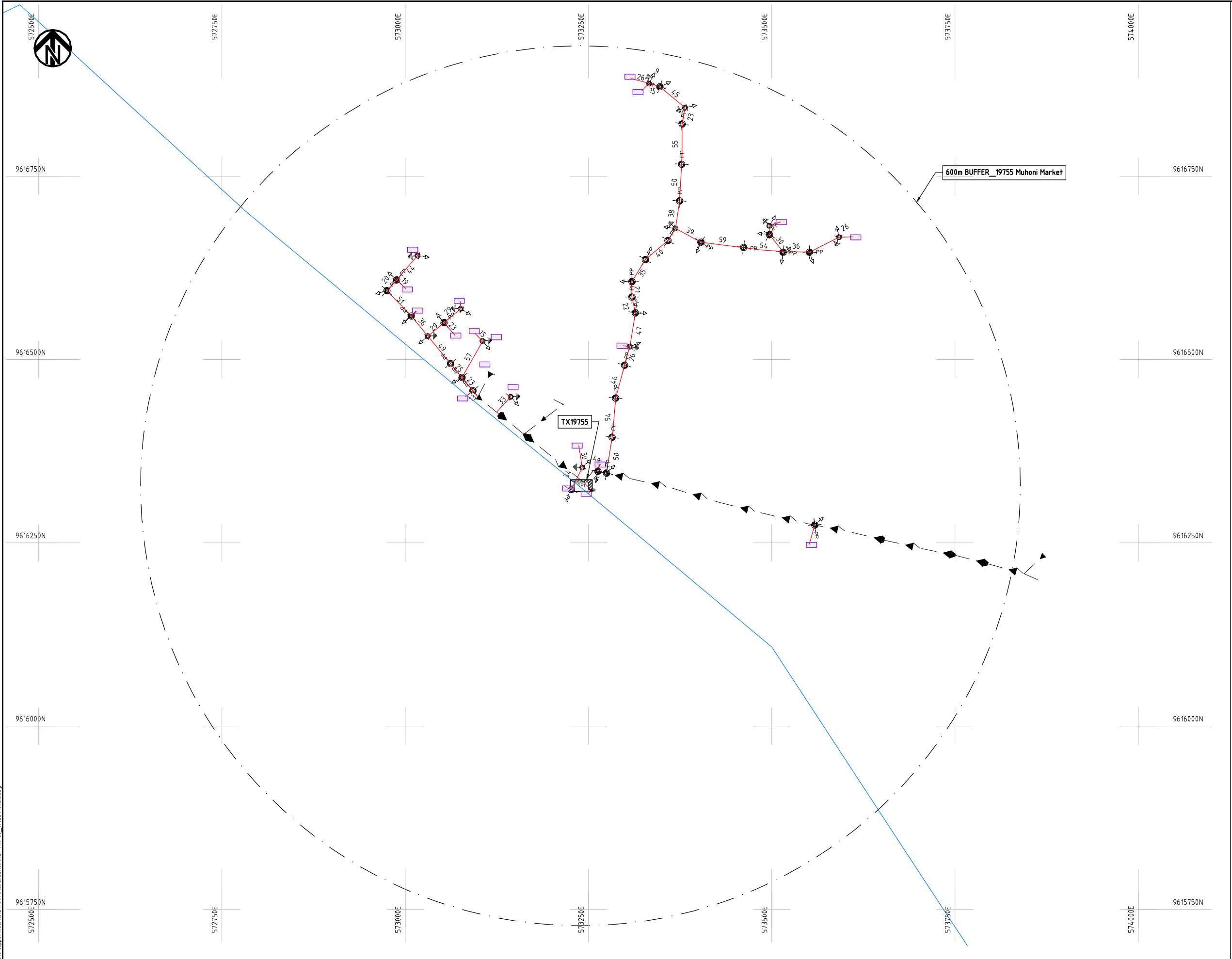
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



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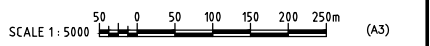
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-67	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 07884-MWAHERA			DATE	10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

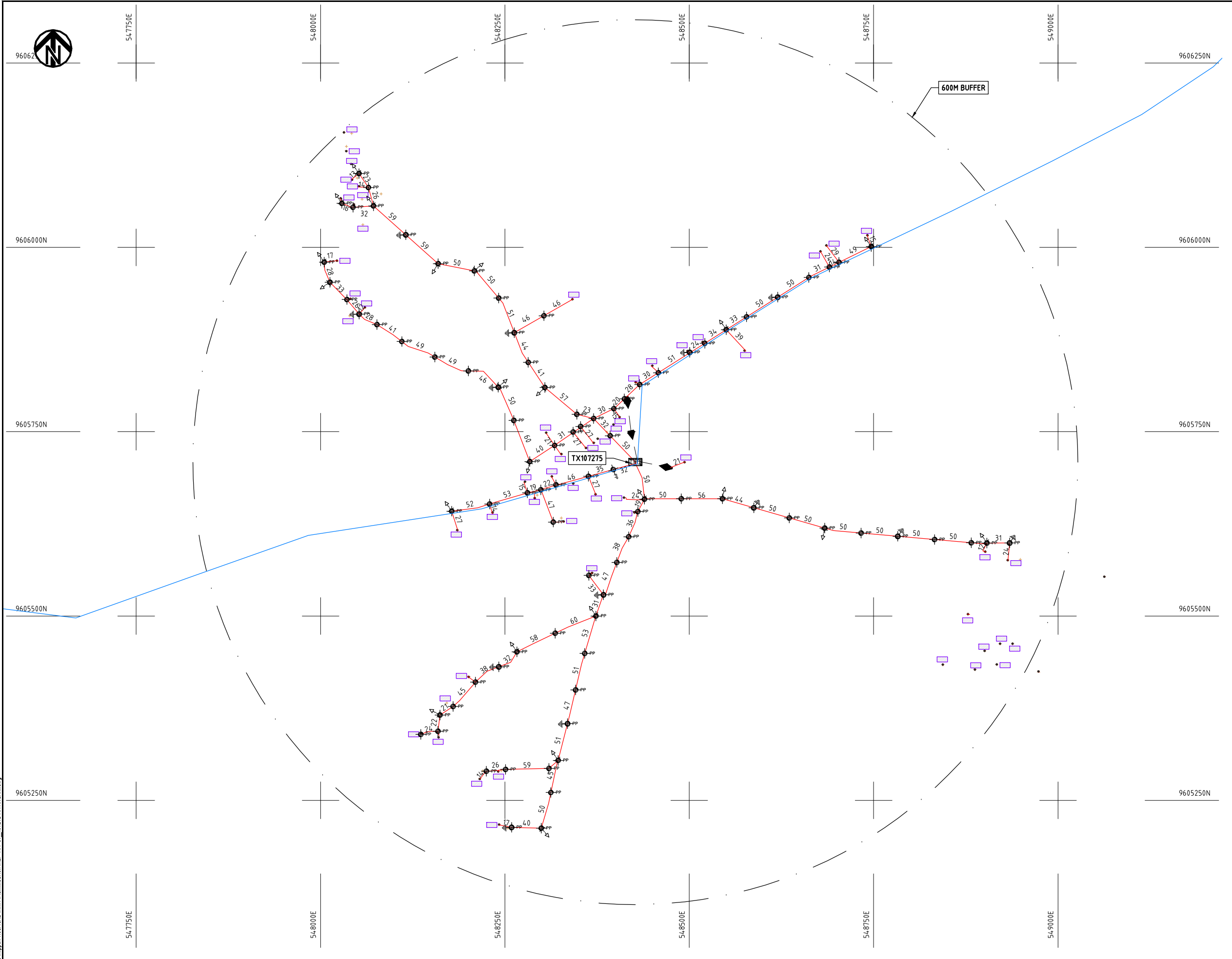
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-68_19755_Muhoni.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-68	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 19755 MUHONI		DATE		10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



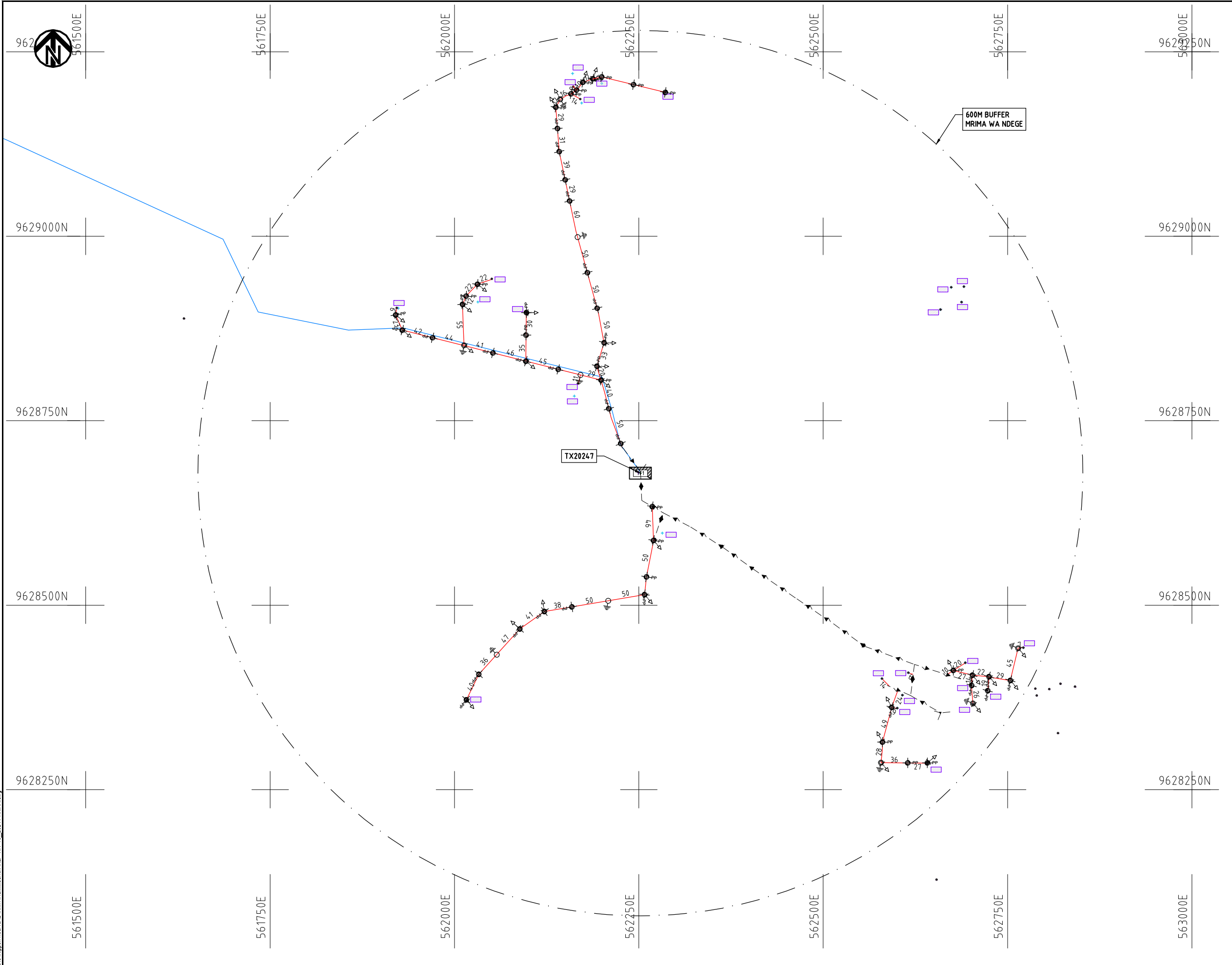
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 107275 MITANGANI

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-69	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

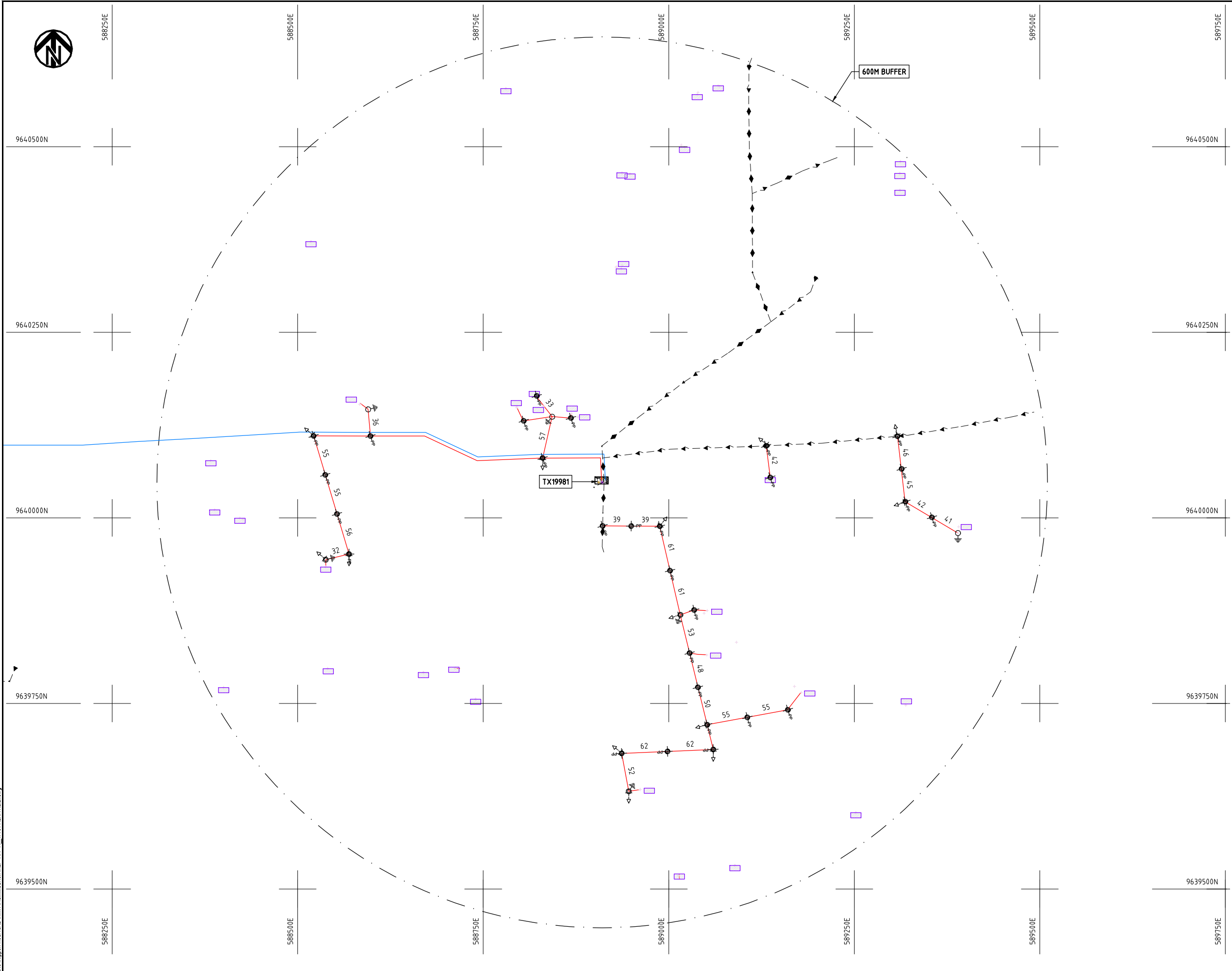
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-70_20247_MRIMA.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-70	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 20247 MRIMA		DATE		10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

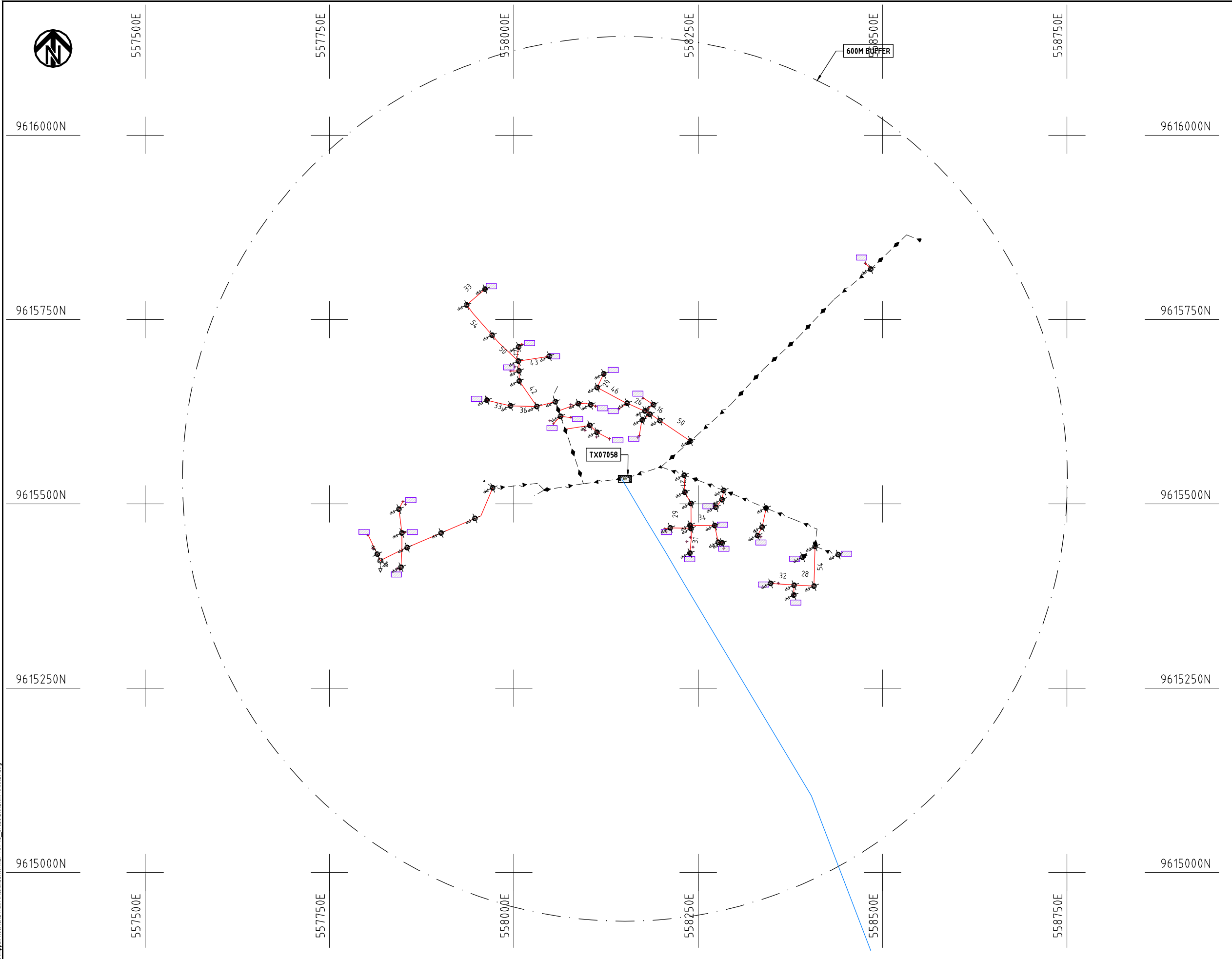
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-71_19981 MEKATILILI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-71	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 19981 MEKATILILI			DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

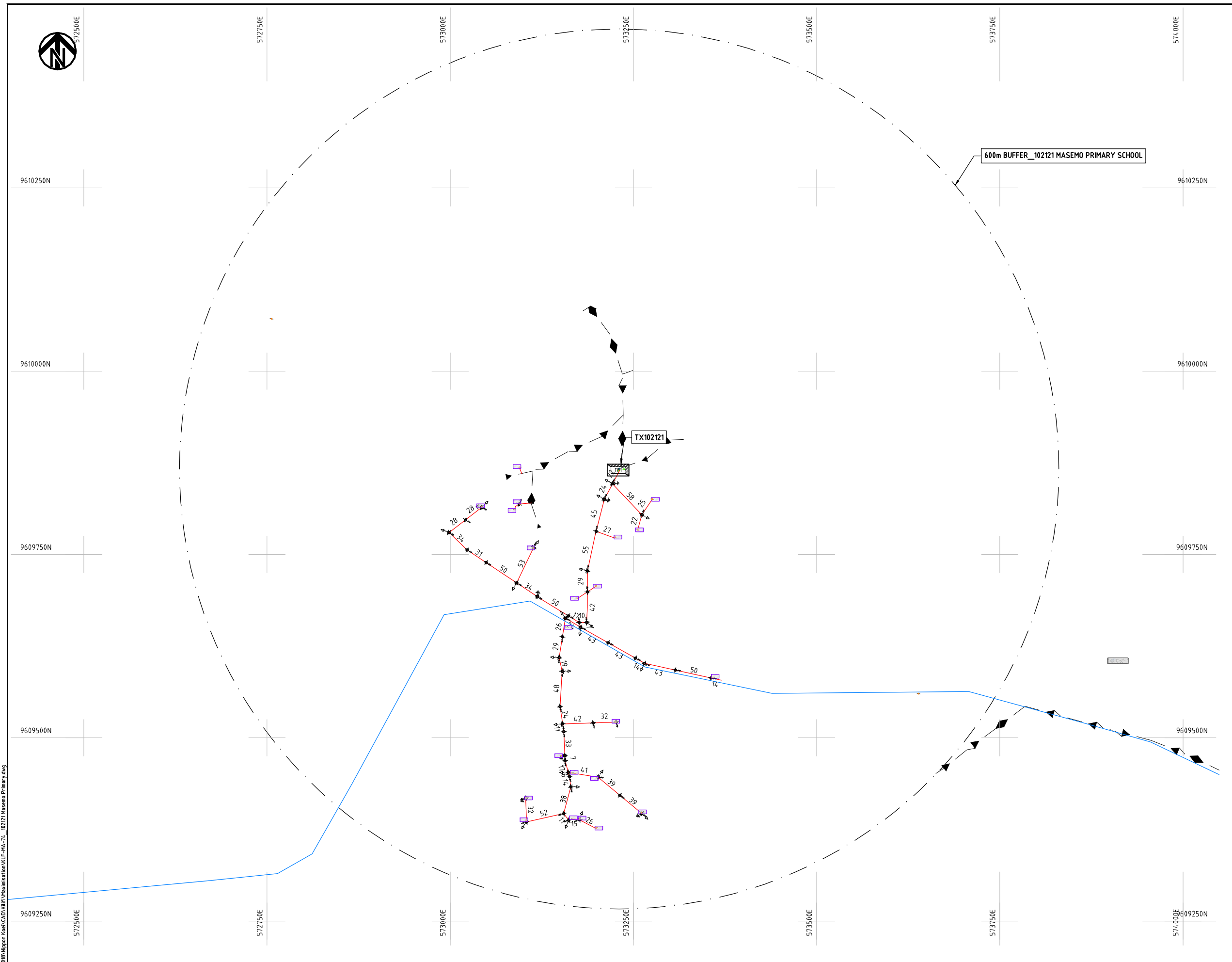
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-73_07058 BANDARI MARKET.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-73	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 07058 BANDARI MARKET		DATE		10th SEP 2018	





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-74_102121 Masemo Primary.dwg

PROJECT:	THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA
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DRAWING TITLE	
COUNTY:	KILIFI
SCHEME:	MAXIMIZATION
PROJECT SITE:	102121 MASEMO PRIMARY

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-74	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



587000E



9642000N

587250E

9641750N

587500E

9641500N

587750E

9641250N

588000E

9641000N

588250E

588500E

9642000N

9641750N

9641500N

9641250N

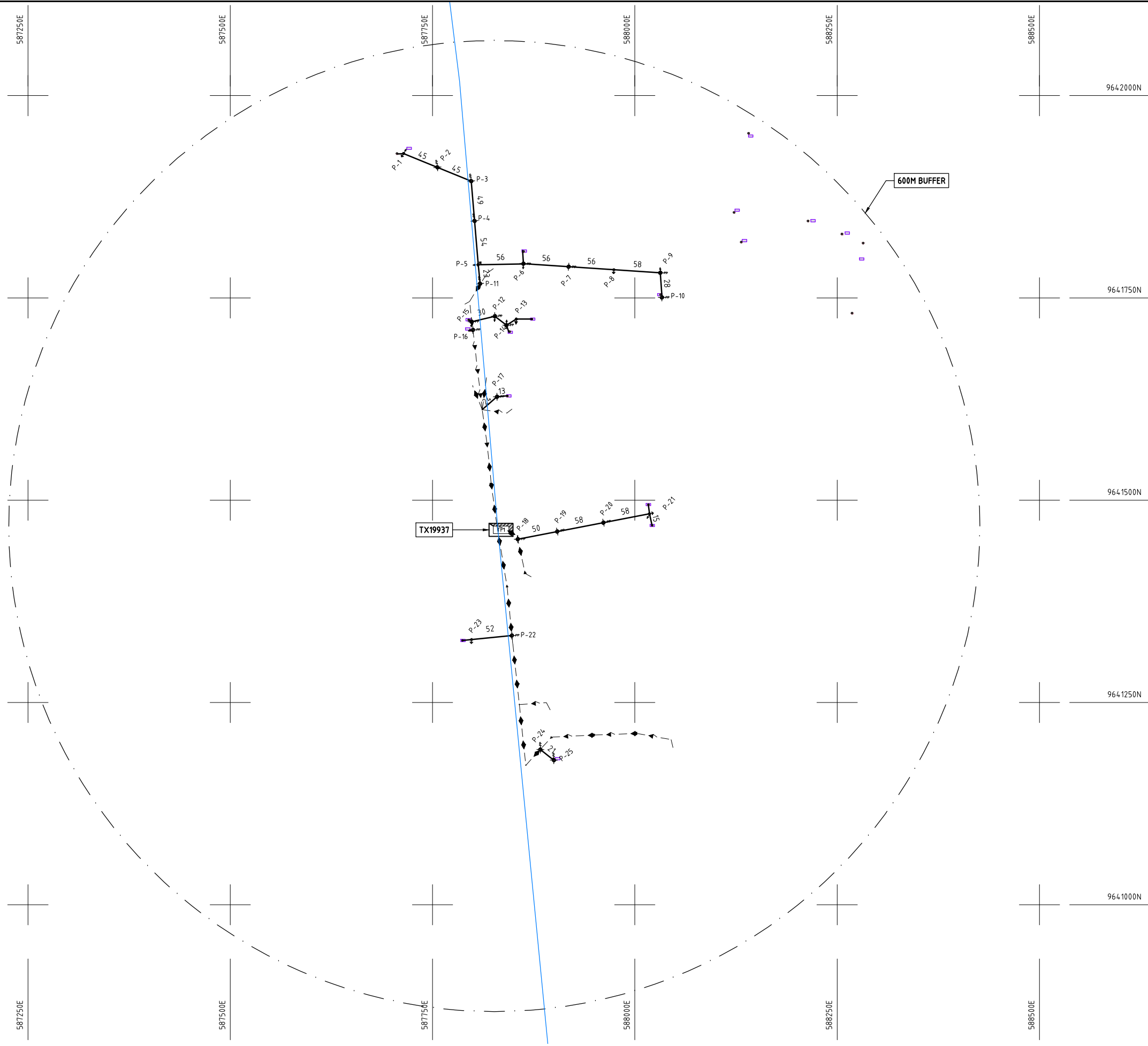
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NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



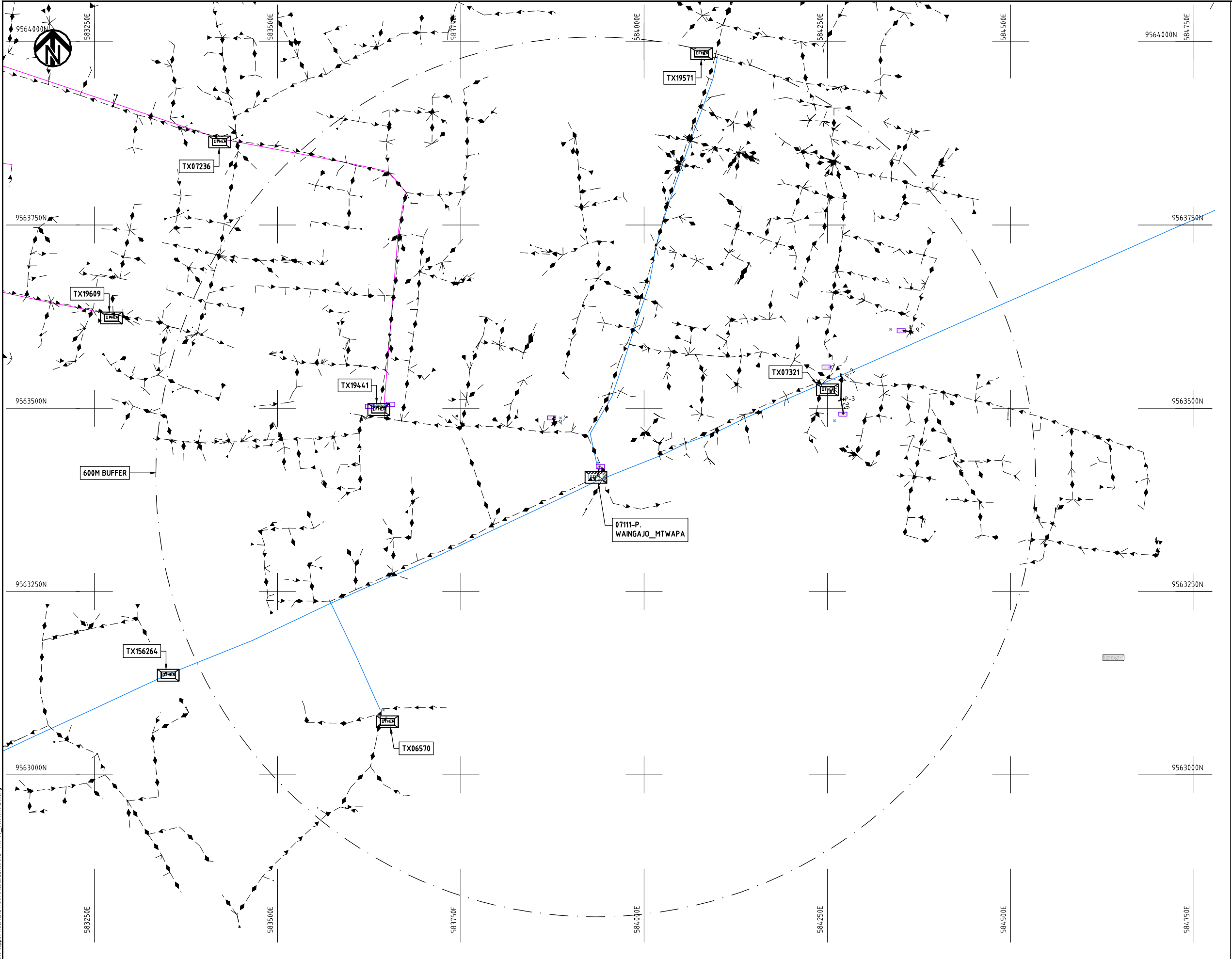
PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 19937-CHIEF KIRAO

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-75	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-75_19937_CHIEF KIRAO.dwg
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- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

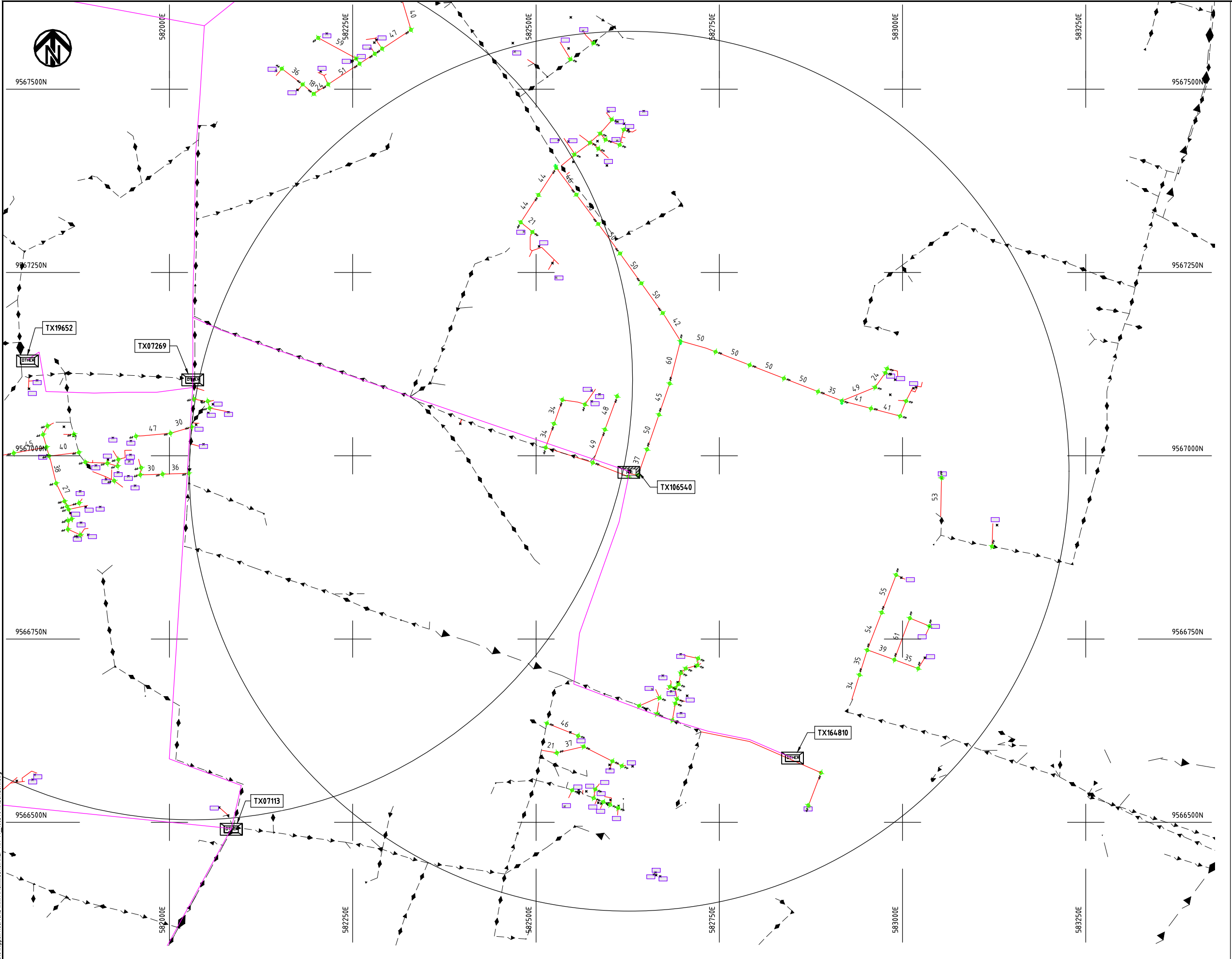
	HOUSEHOLDS/ BUILDINGS
	PROPOSED 11kV
	PROPOSED 33kV
	PROPOSED DISTRIBUTION LINE
	EXISTING 11kV LINE
	EXISTING 33kV LINE
	EXISTING DISTRIBUTION LINE
	MAXIMISATION TRANSFORMER
	EXTENSION TRANSFORMER
	WOODEN ELECTRIC POLES
	CONCRETE ELECTRIC POLES 12M
	CONCRETE ELECTRIC POLES 11M
	LV-EARTH
	PME -PROTECTIVE MULTIPLE EARTHING
	STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-76_7111 MAWENI.dwg

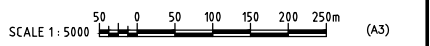
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07111-MAWENI		KLF-MA-76	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

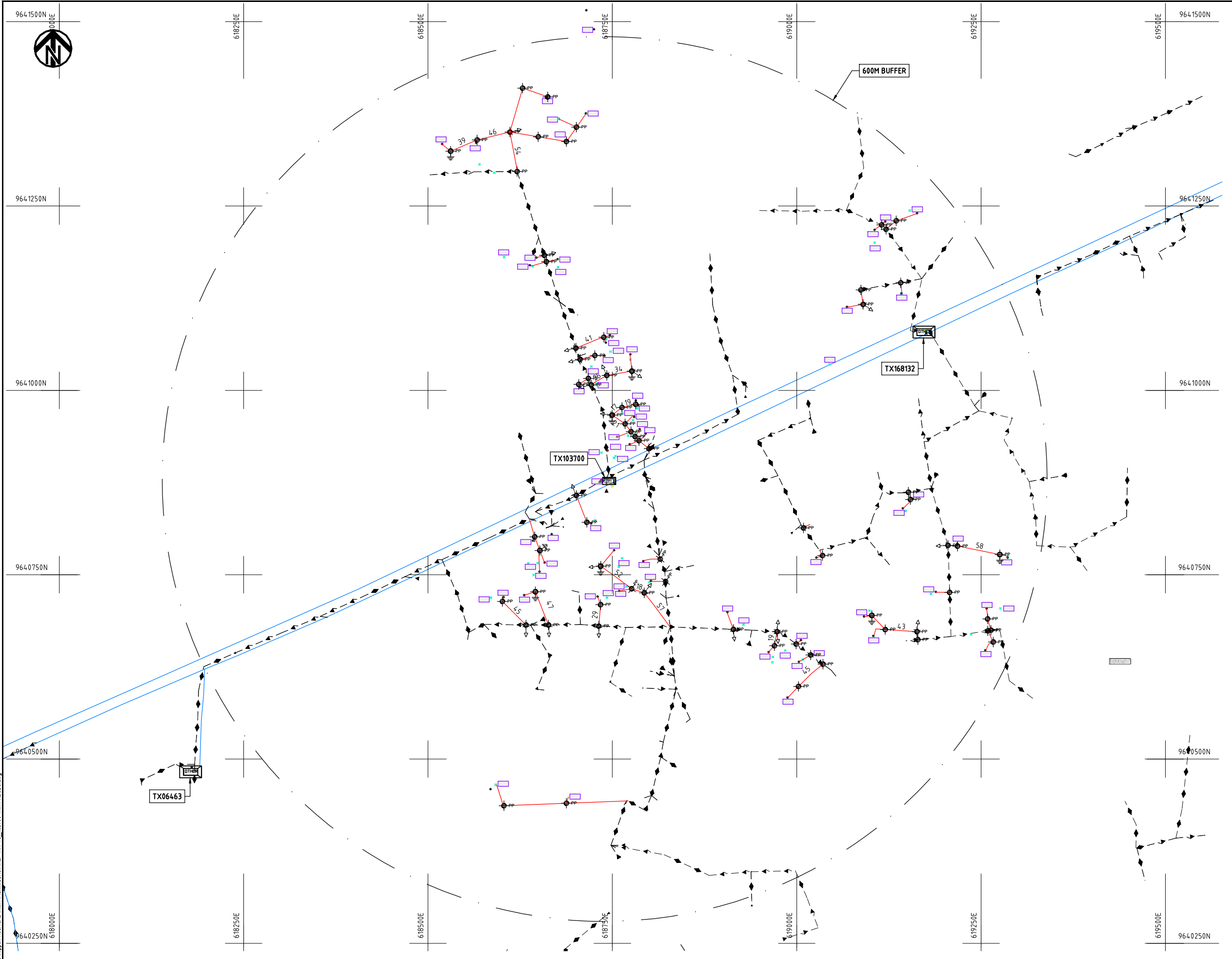
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-77-106540 KALONGONI.dwg
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 106540 KALONGONI		KLF-MA-77	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-78-103700-KWA ABUDU.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 103700-KWA ABUDU		KLF-MA-78	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





9572000N

9571750N

9571500N

9571250N

9571000N

583750E

583750E

584000E

584000E

584250E

584250E

584500E

584500E

584750E

584750E

585000E

585000E

9572000N

9571750N

9571500N

9571250N

9571000N

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1:5000 (A3)

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KILIFI
SCHEME: MAXIMIZATION
PROJECT SITE: 106350 BODOI KIKAMBALA

DRAW. NO.

KLF-MA-79

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

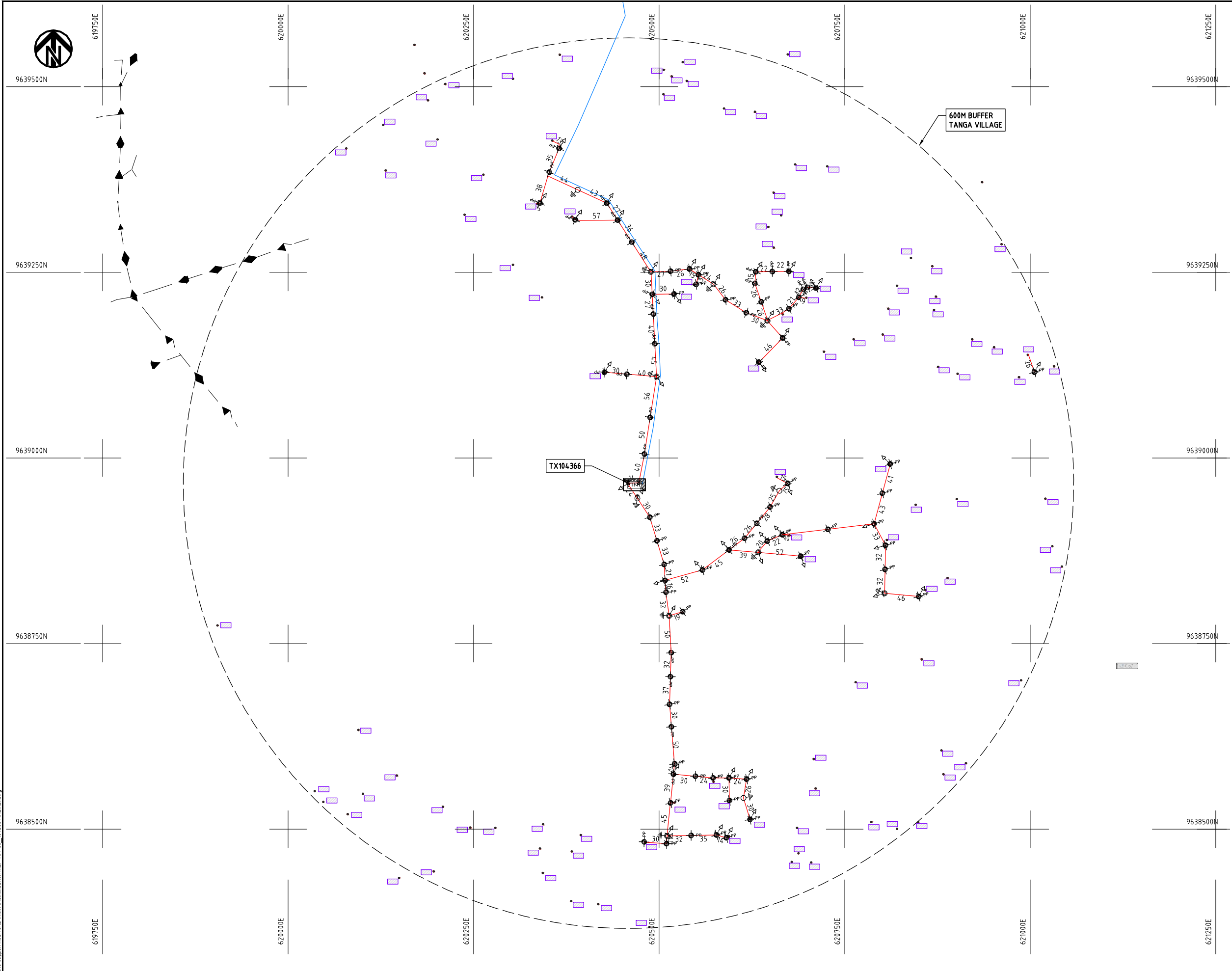
APPROVED BY

Y.TANAKA

DATE

10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

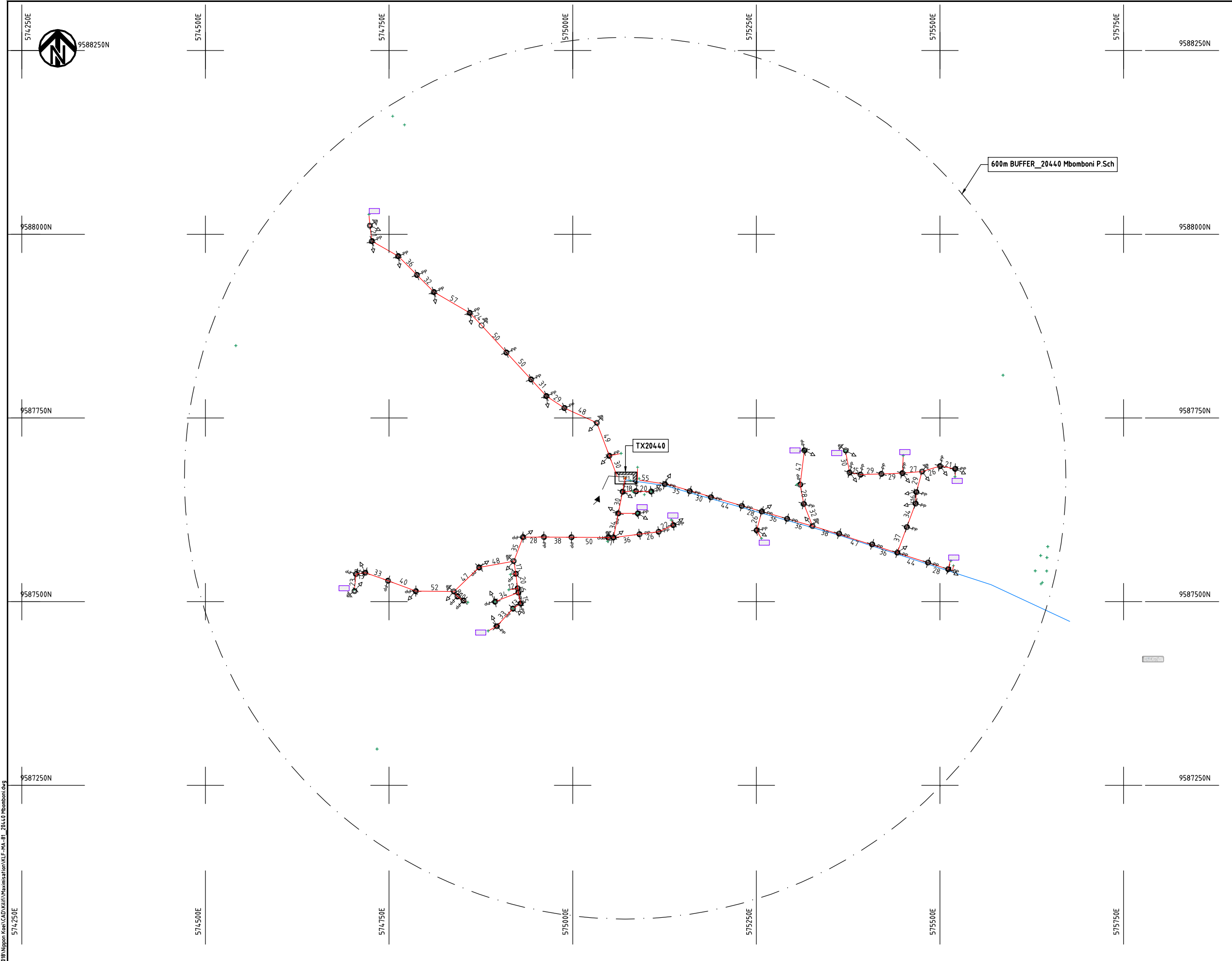
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - PP WOODEN ELECTRIC POLES
 - CP CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 104366 MALINDI		KLF-MA-80	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

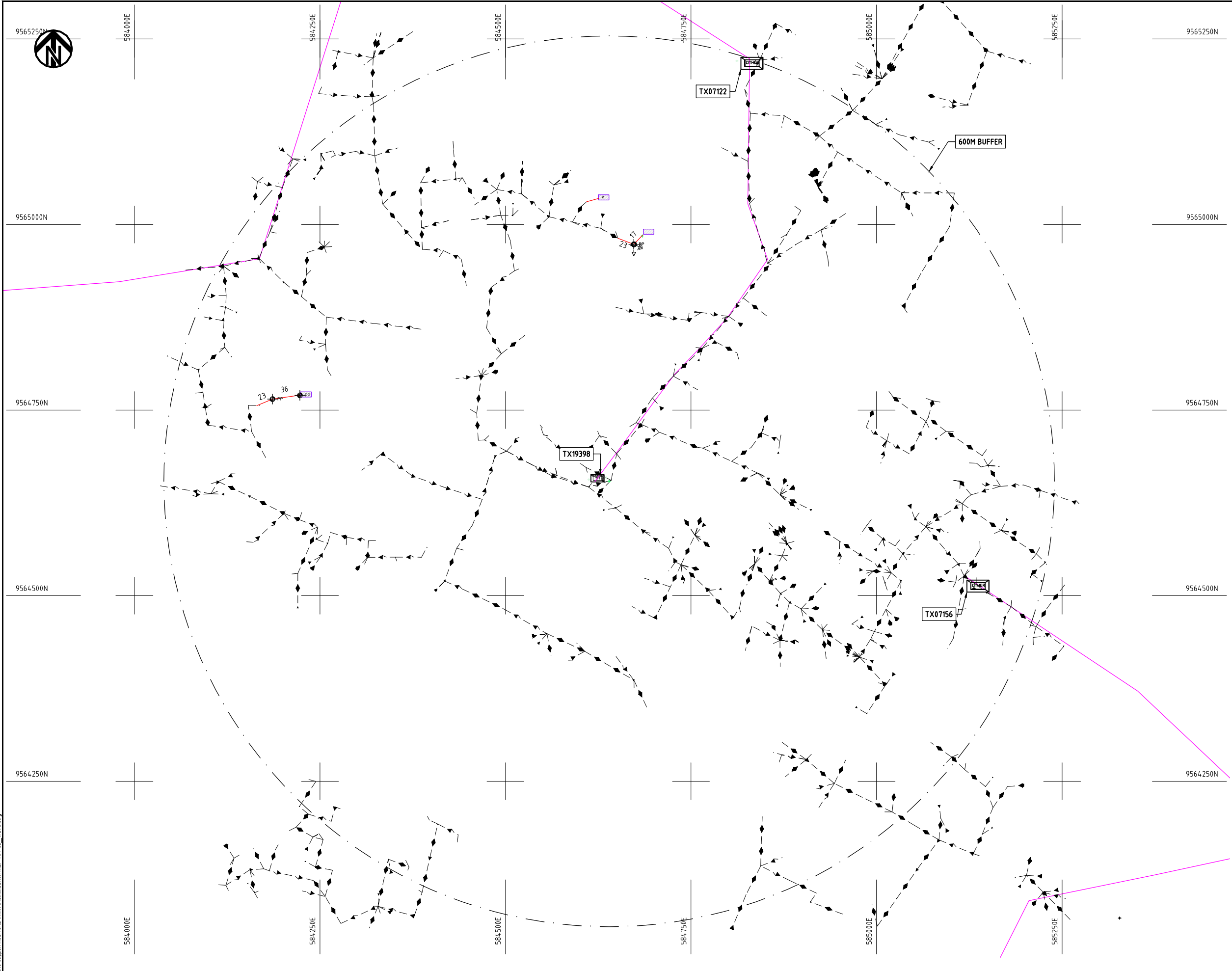
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-81_20440 Mbomboni.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20440-MBOMBONI		KLF-MA-81	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

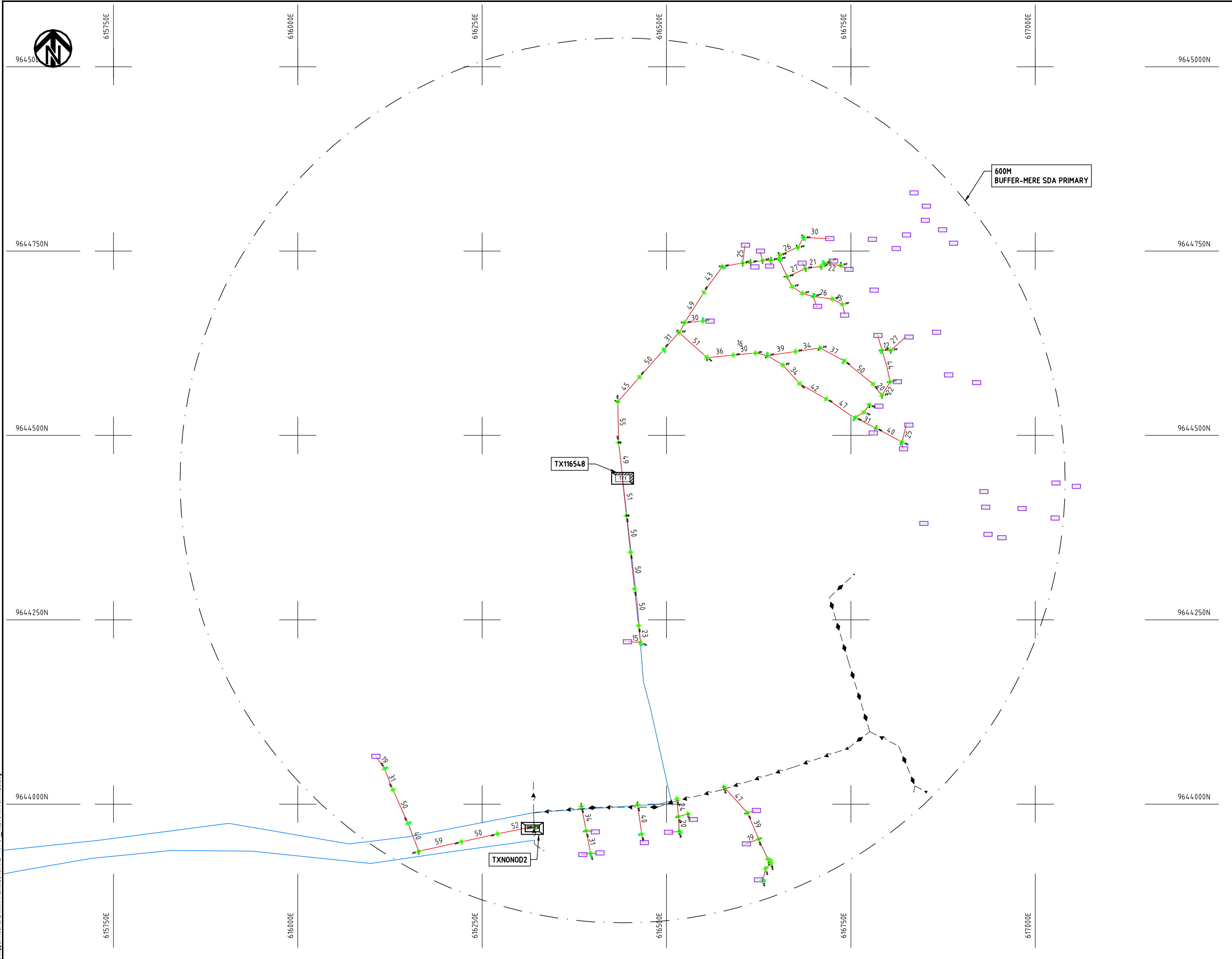
	HOUSEHOLDS/ BUILDINGS
	PROPOSED 11kV
	PROPOSED 33kV
	PROPOSED DISTRIBUTION LINE
	EXISTING 11kV LINE
	EXISTING 33kV LINE
	EXISTING DISTRIBUTION LINE
	MAXIMISATION TRANSFORMER
	EXTENSION TRANSFORMER
	WOODEN ELECTRIC POLES
	CONCRETE ELECTRIC POLES 12M
	CONCRETE ELECTRIC POLES 11M
	LV-EARTH
	PME -PROTECTIVE MULTIPLE EARTHING
	STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-83_19398.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-83	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 19398 -19398			DATE	10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



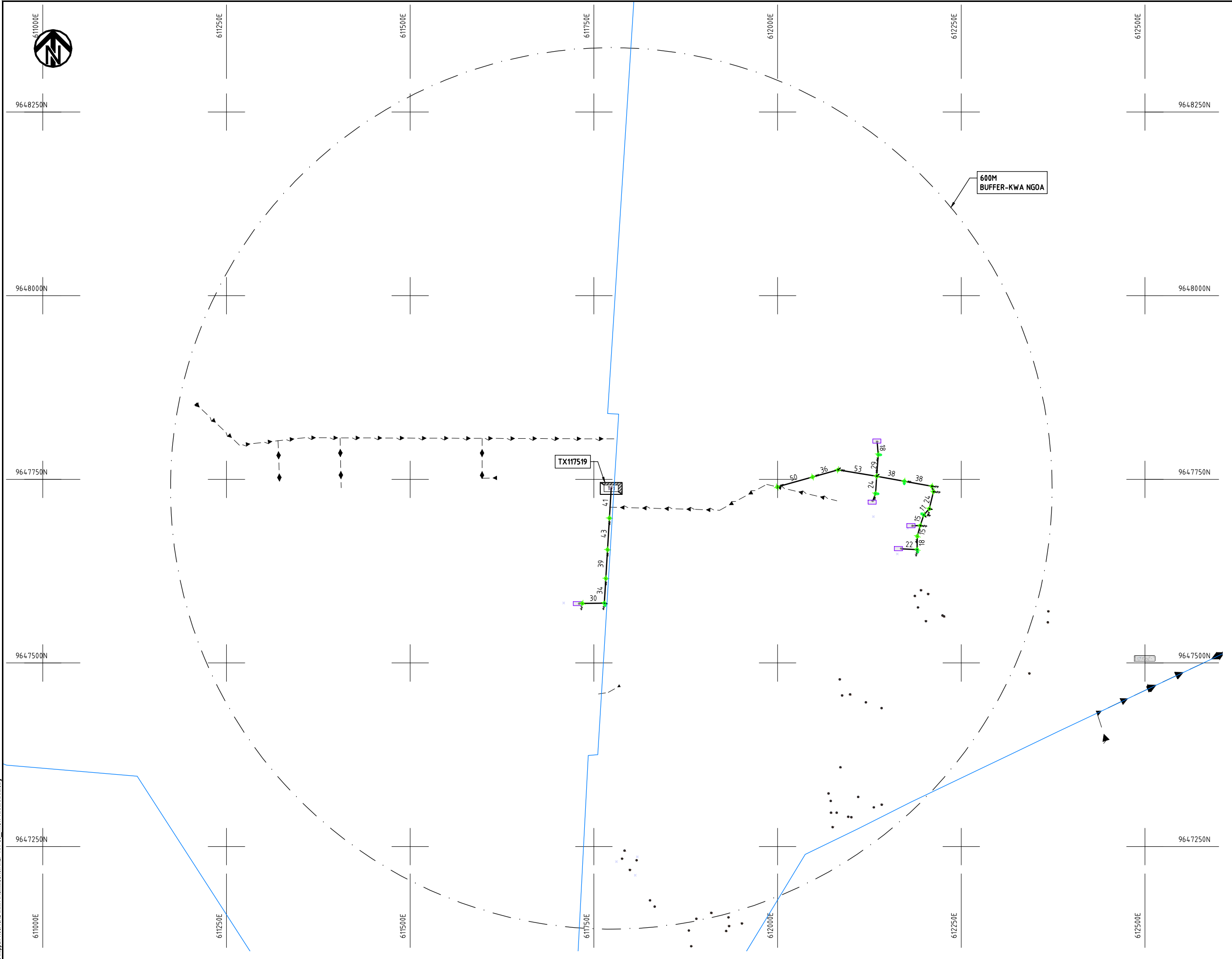
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 116548 KAVUNYALO

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-84	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

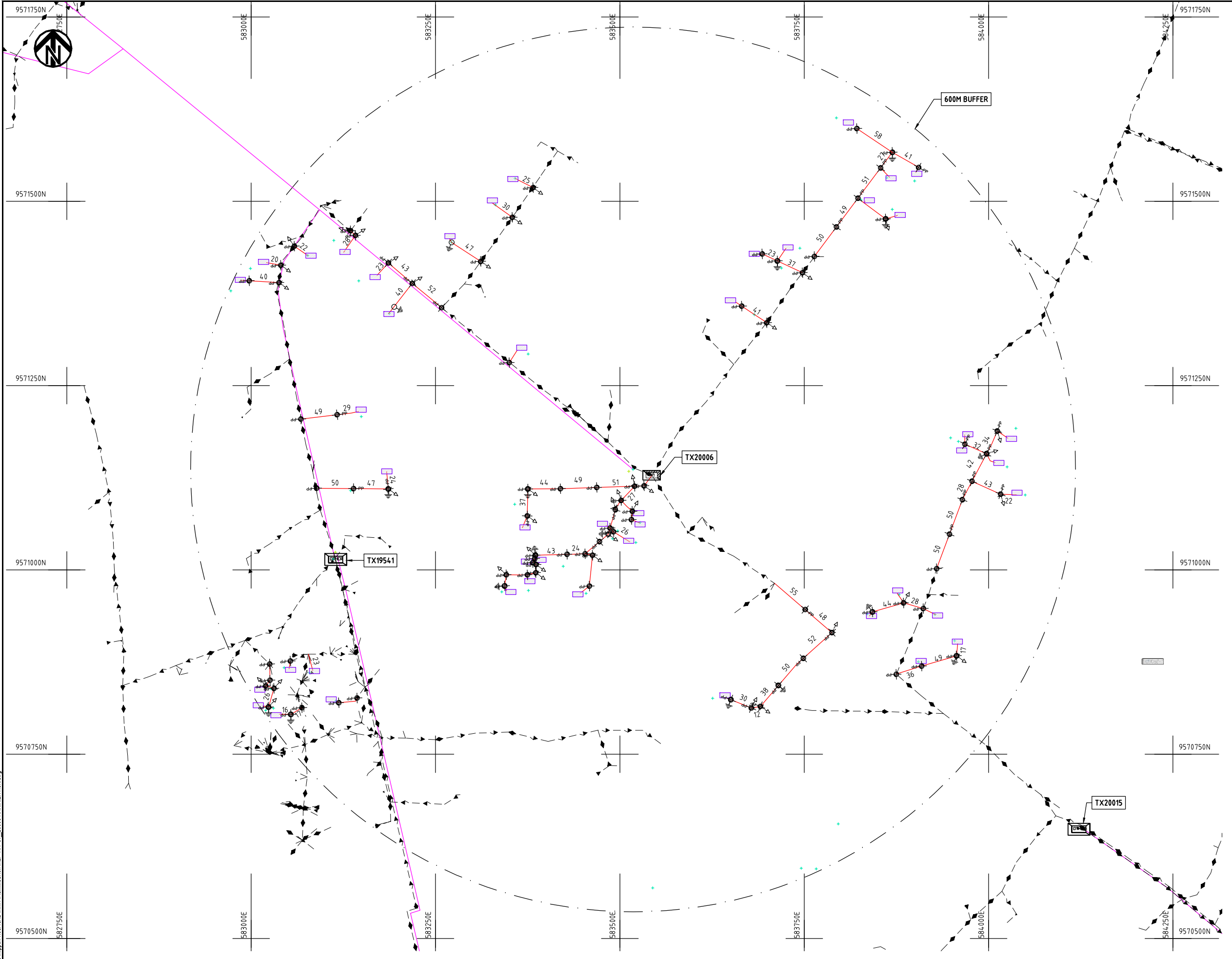
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-86_117519 MARIAKANI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 117519 MARIAKANI		KLF-MA-86	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

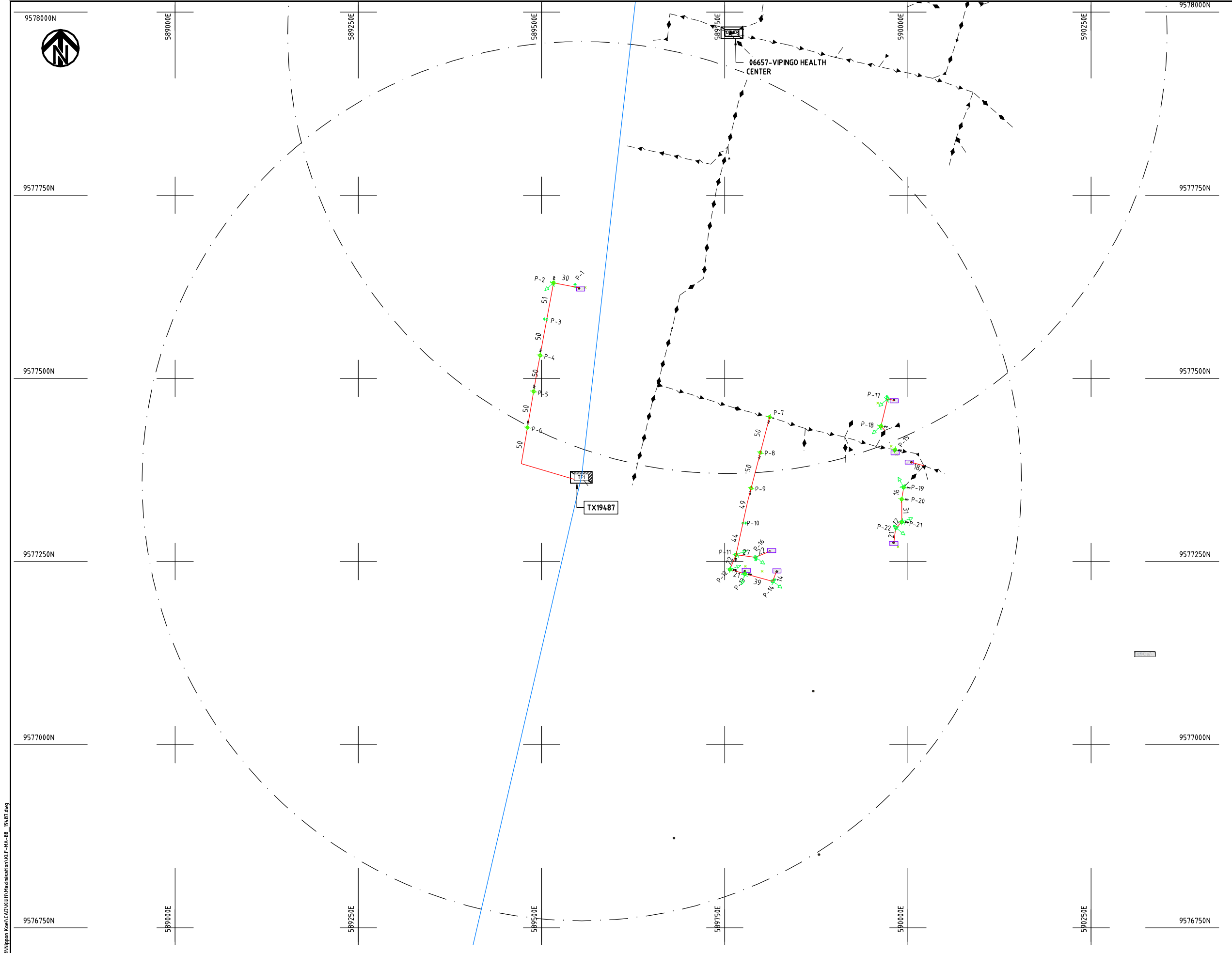
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



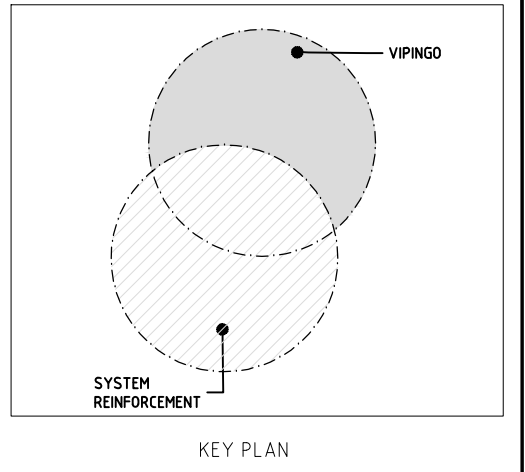
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20006 MAXIMIZATION		DRAW. NO.	PREPARED BY	A.AKBAR
			KLF-MA-87	CHECKED BY	S.MAETA
			APPROVED BY	Y.TANAKA	
			DATE	10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



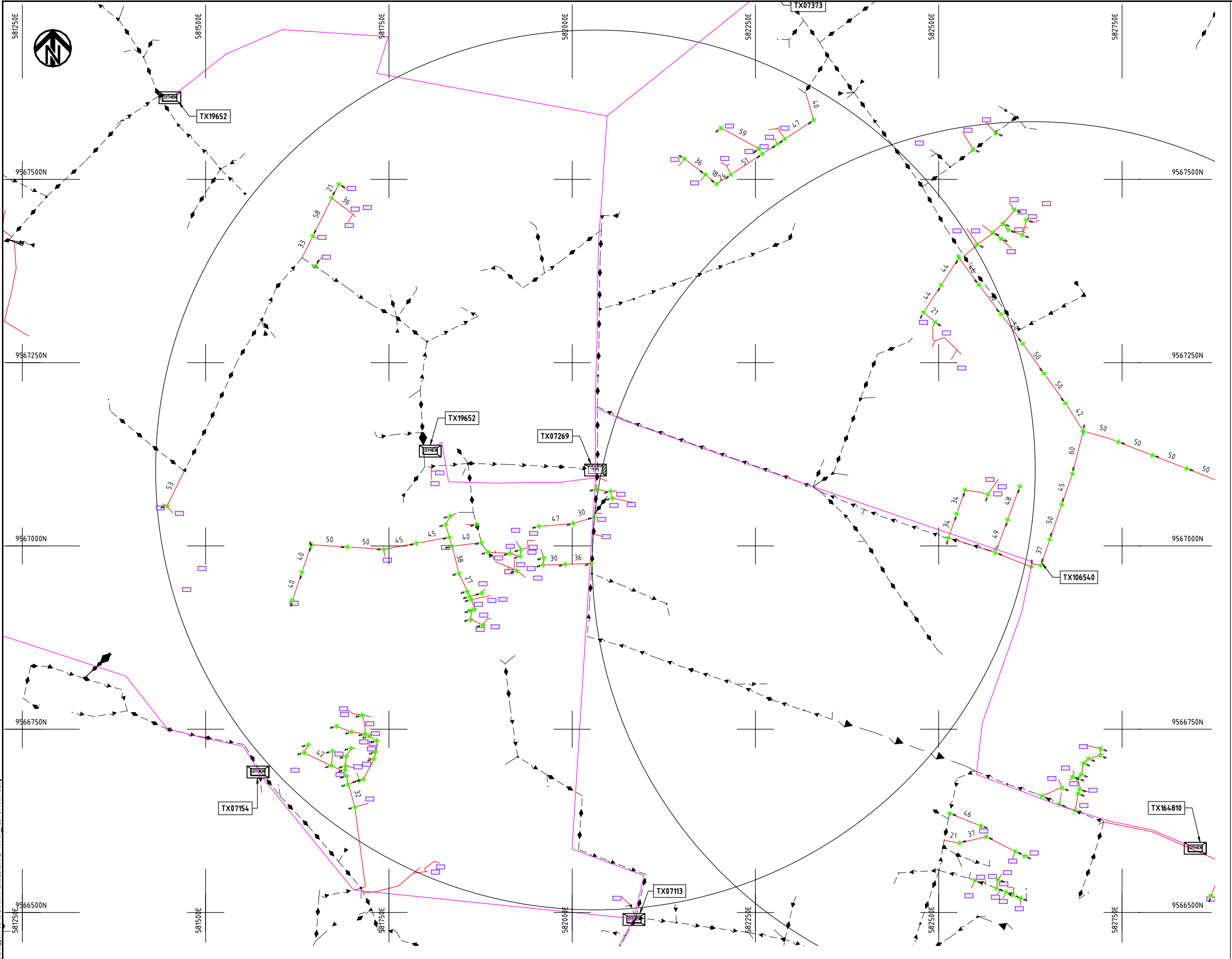
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-88-19487.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 19487-19487		KLF-MA-88	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018



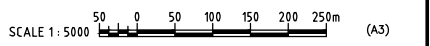


- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

KEY PLAN

LEGEND

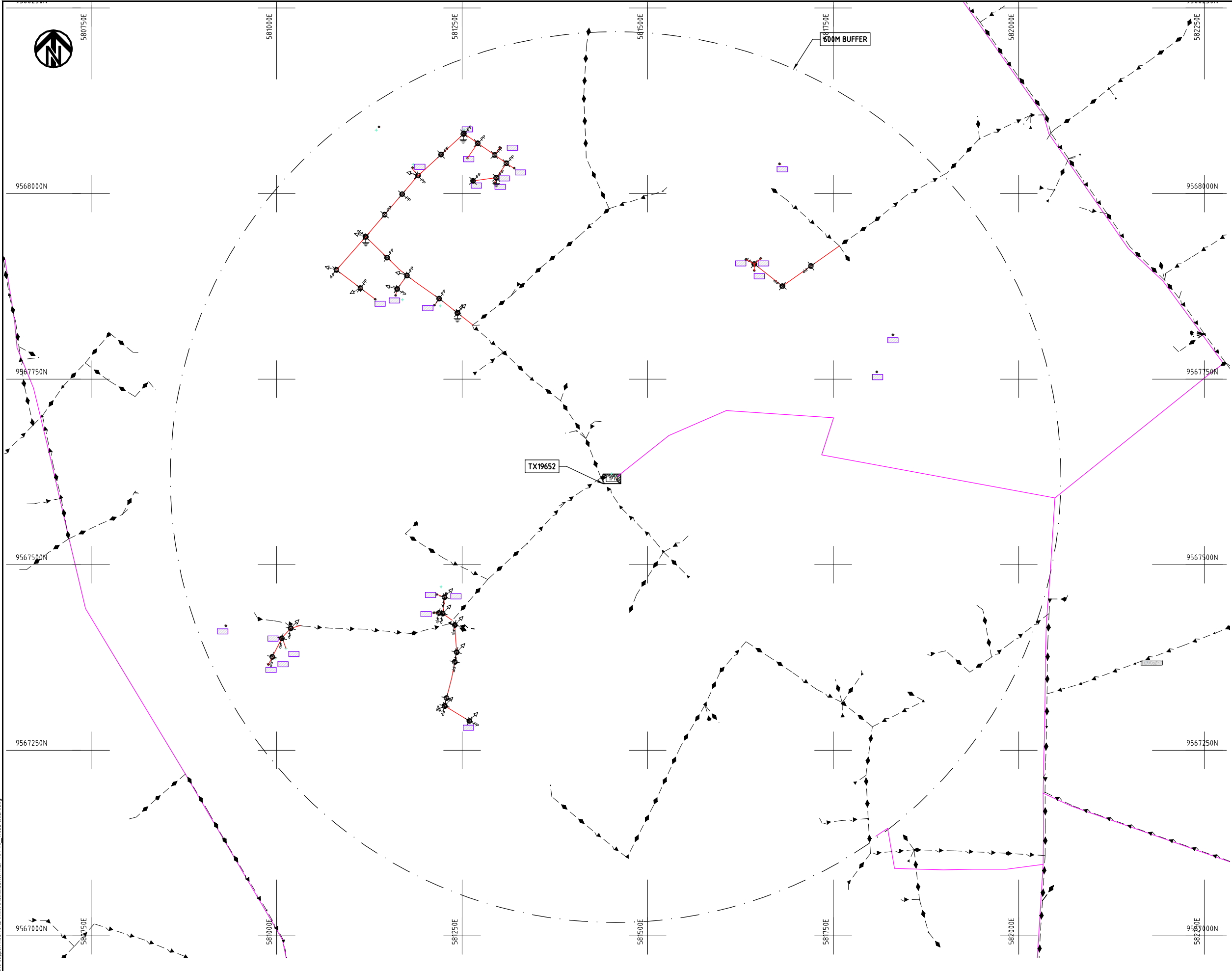
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-89-7269 ST MARYS.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07269-ST MARYS		DRAW. NO.	PREPARED BY	A.AKBAR
			KLF-MA-89	CHECKED BY	S.MAETA
			APPROVED BY	Y.TANAKA	
			DATE	10th SEP 2018	





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-90_19652 CHILA.dwg

PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 19652 CHILA

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-90	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





579750E

580000E

580250E

580500E

580750E

581000E

581250E

9568750N

9568750N

9568500N

9568500N

9568250N

9568250N

9568000N

9568000N

9567750N

9567750N

579750E

580000E

580250E

580500E

580750E

581000E

581250E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

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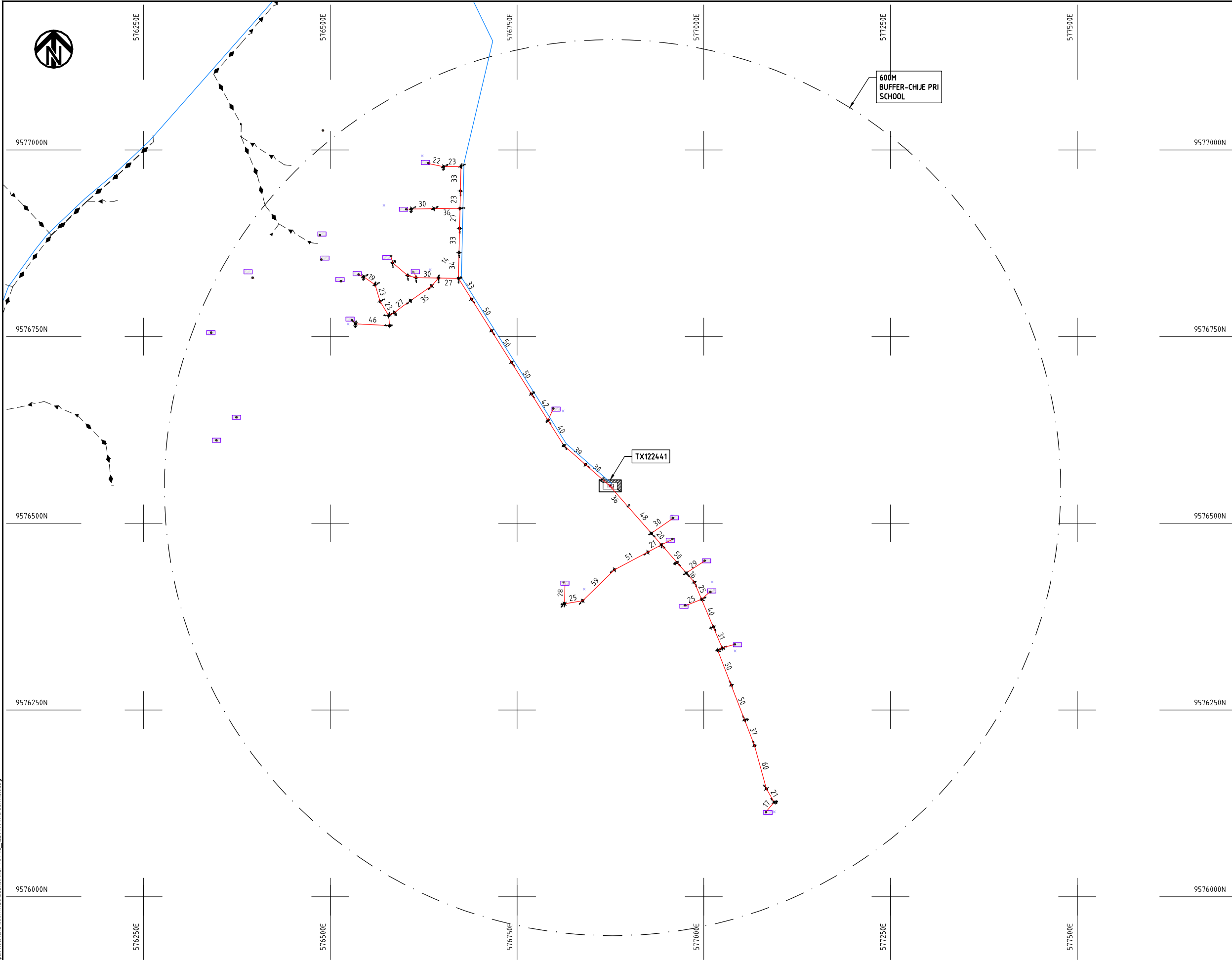
PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 19551 MTAPEN

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-91	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



SCALE 1:5000 (A3)



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

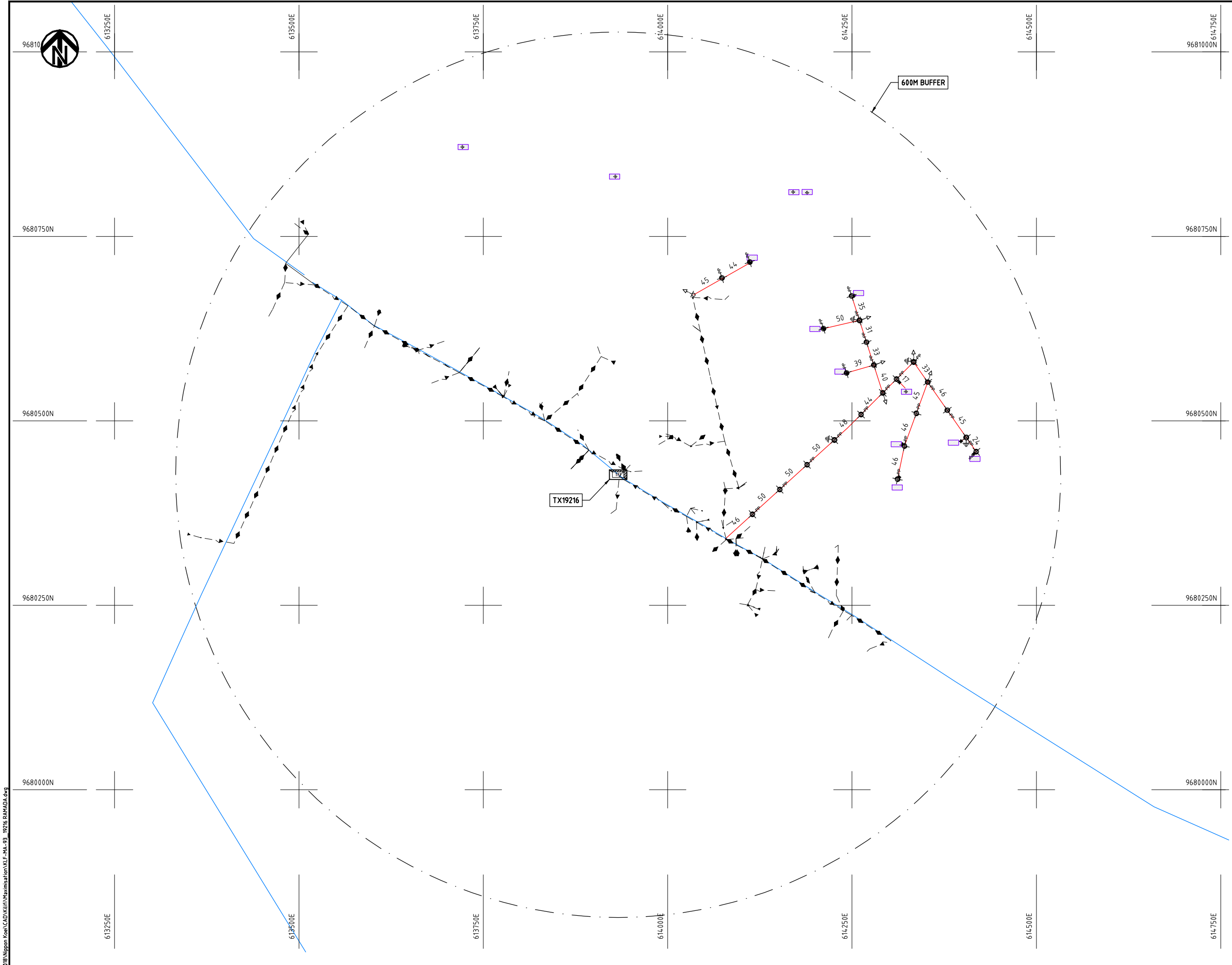
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES 12M
- CP CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-92_122441 MAXIMISATION.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-92	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 122441 MAXIMISATION			DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

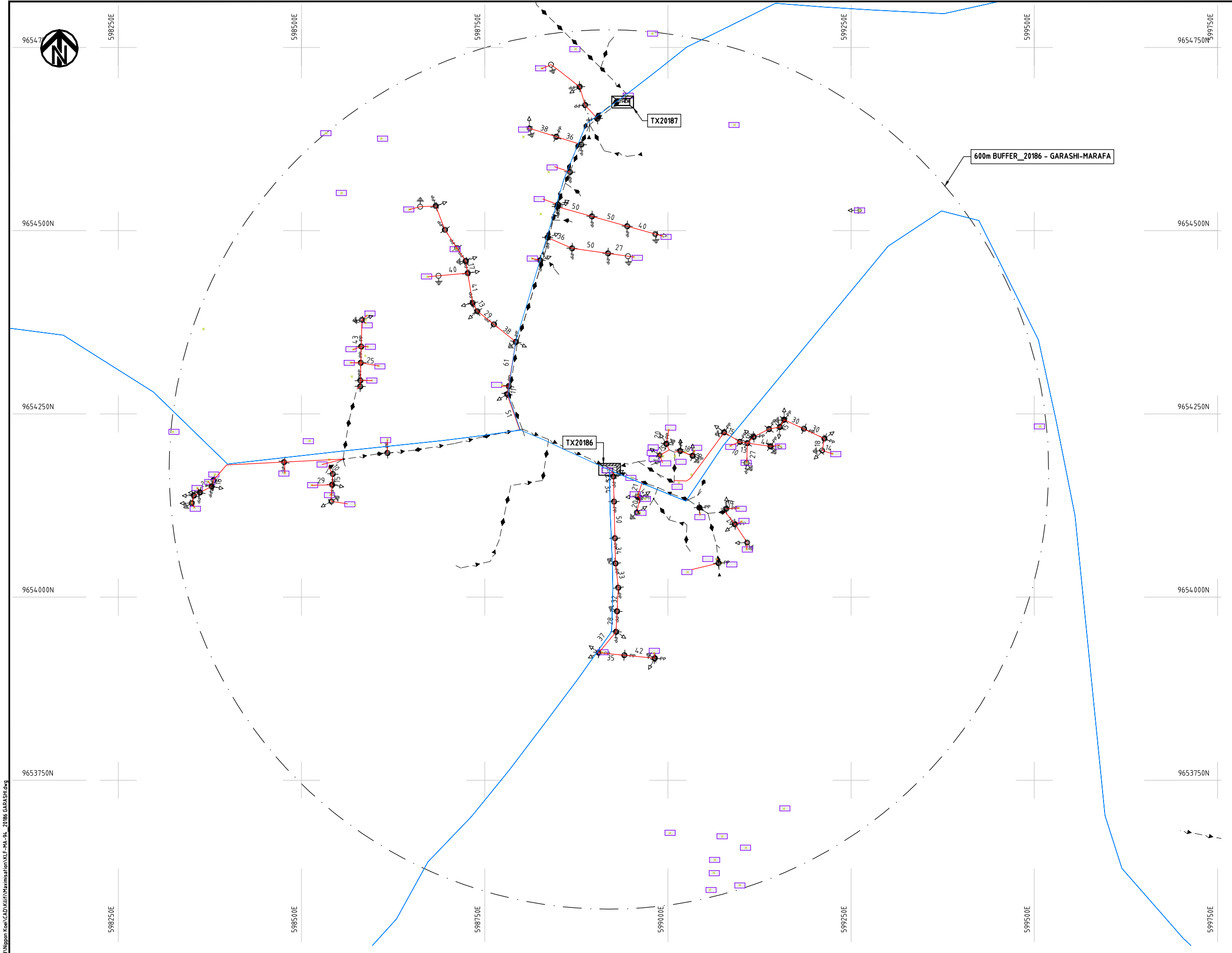
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1: 5000 (A3)

Csd File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-93_19216 RAMADA.dwg

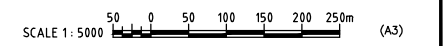
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-93	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 19216 RAMADA		DATE		10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

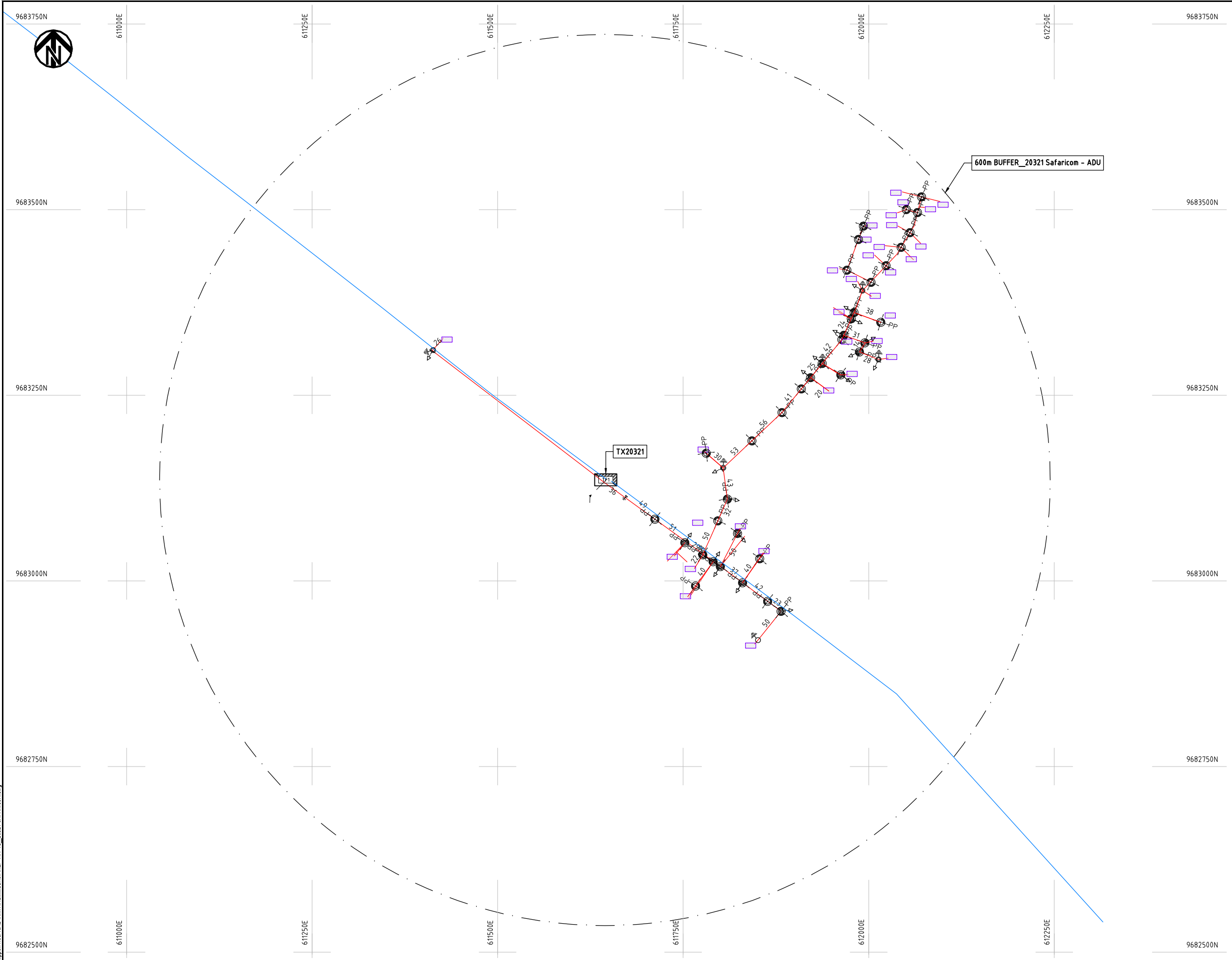
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - PP WOODEN ELECTRIC POLES
 - CP CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Csd File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-94-20186-GARASHI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20186-GARASHI		KLF-MA-94	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-95_20321 SAFARICOM.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-95	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 20321-SAFARICOM			DATE	10th SEP 2018	





9658500N

613500E

613750E

614000E

614250E

614500E

614750E

9658500N

9658250N

9658250N

9658000N

9658000N

9657750N

9657750N

9657500N

9657500N

613500E

613750E

614000E

614250E

614500E

614750E

600M BUFFER

TX19977

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KILIFI
SCHEME: MAXIMIZATION
PROJECT SITE: 19977-KADZIFITSENI

DRAW. NO.

KLF-MA-96

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

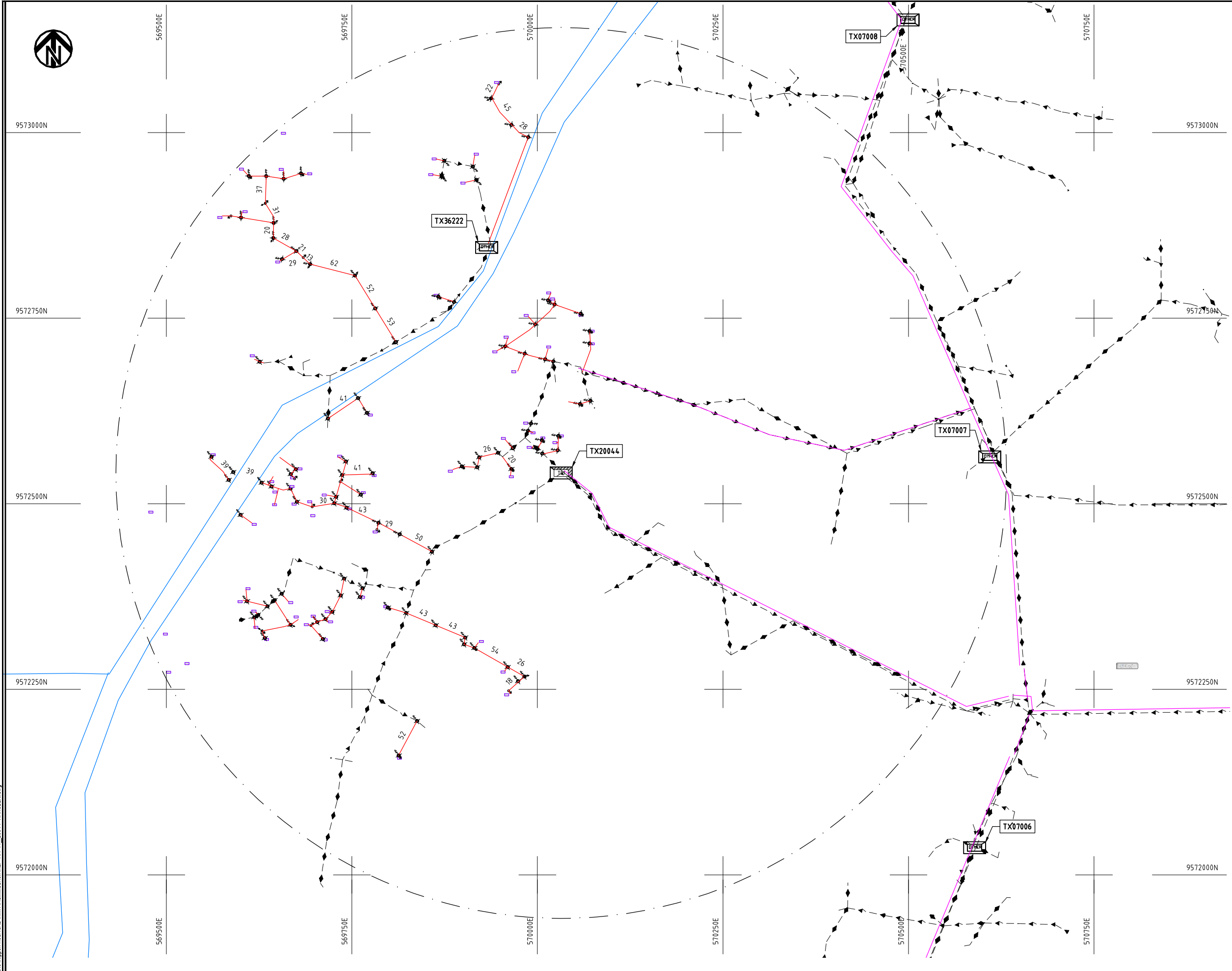
APPROVED BY

Y.TANAKA

DATE

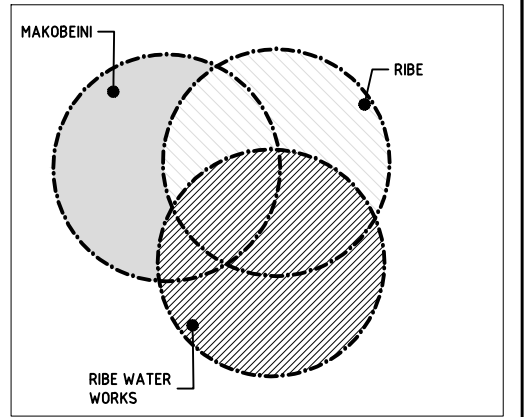
10th SEP 2018

NIPPON KOEI CO., LTD



NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



KEY PLAN

LEGEND

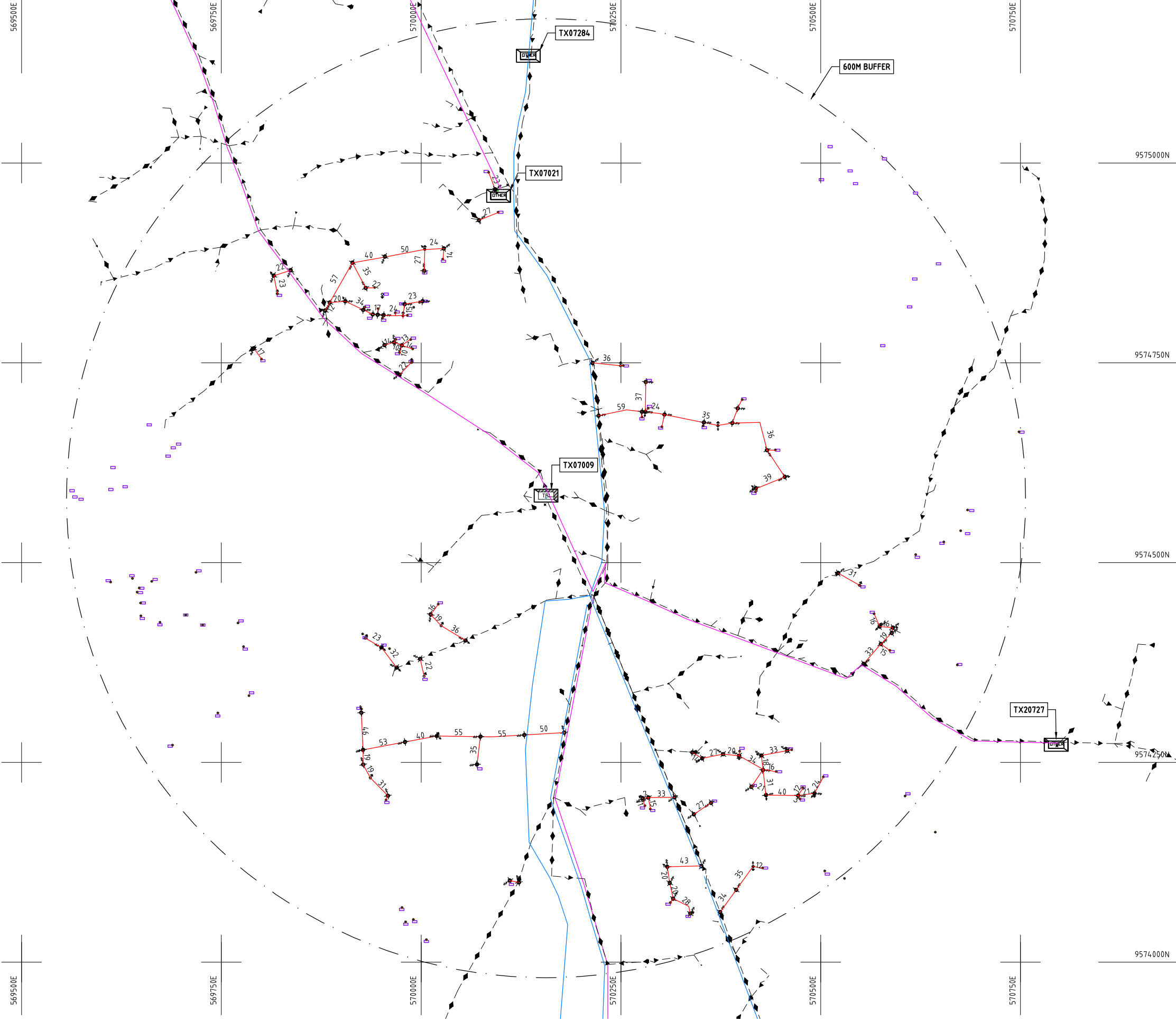
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-97_2018-MAKOBENI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-97	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 2004-MAKOBENI			DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-98_T009_BONDORA.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07009-BONDORA		KLF-MA-98	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





9658500N

627750E

628000E

628250E

628500E

628750E

629000E

9658500N

9658250N

9658250N

9658000N

9658000N

9657750N

9657750N

9657500N

9657500N

627750E

628000E

628250E

628500E

628750E

629000E

600M BUFFER

TX07591

TX07507

TX07534

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



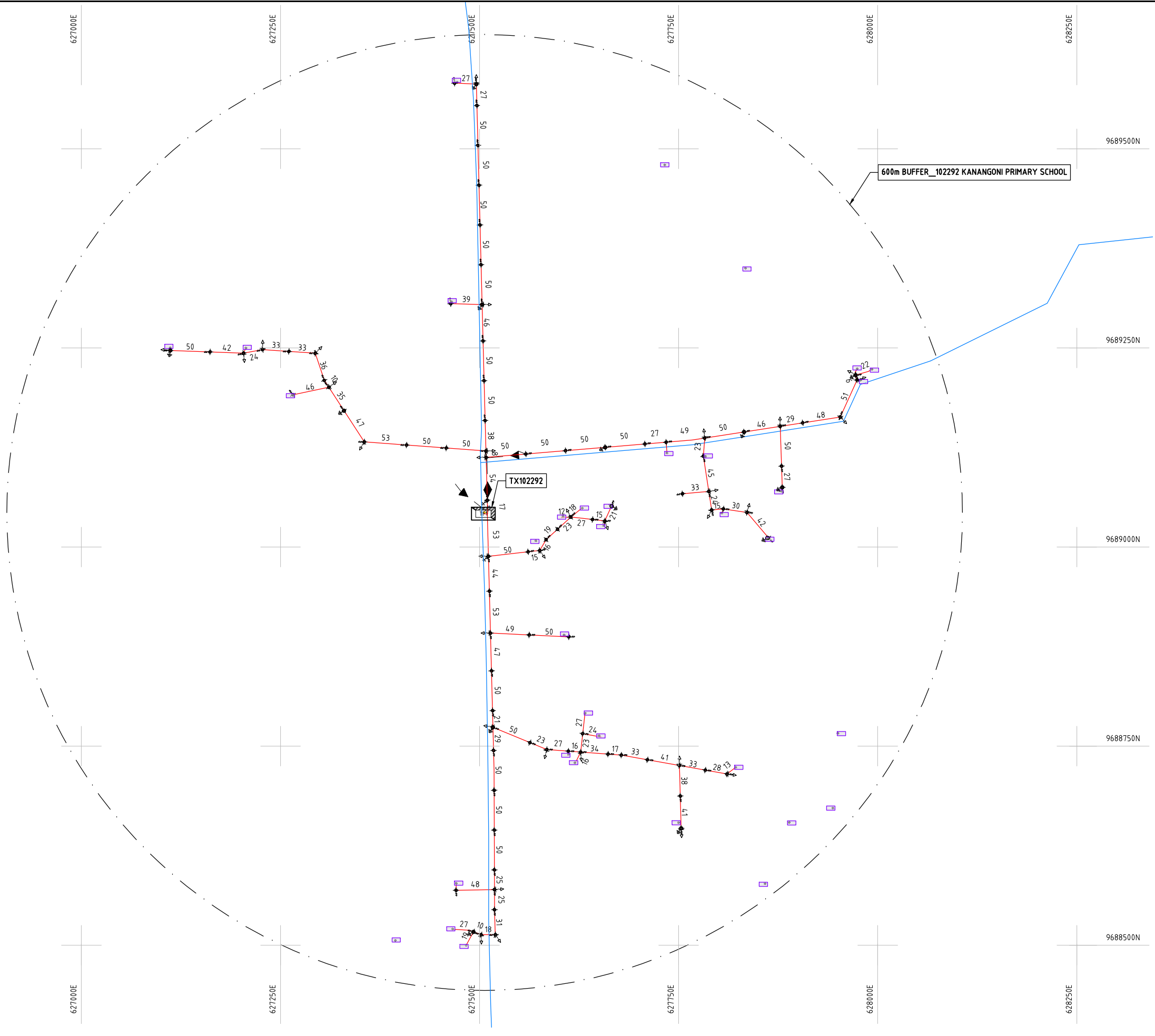
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 07507 D_RICCI

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-99	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



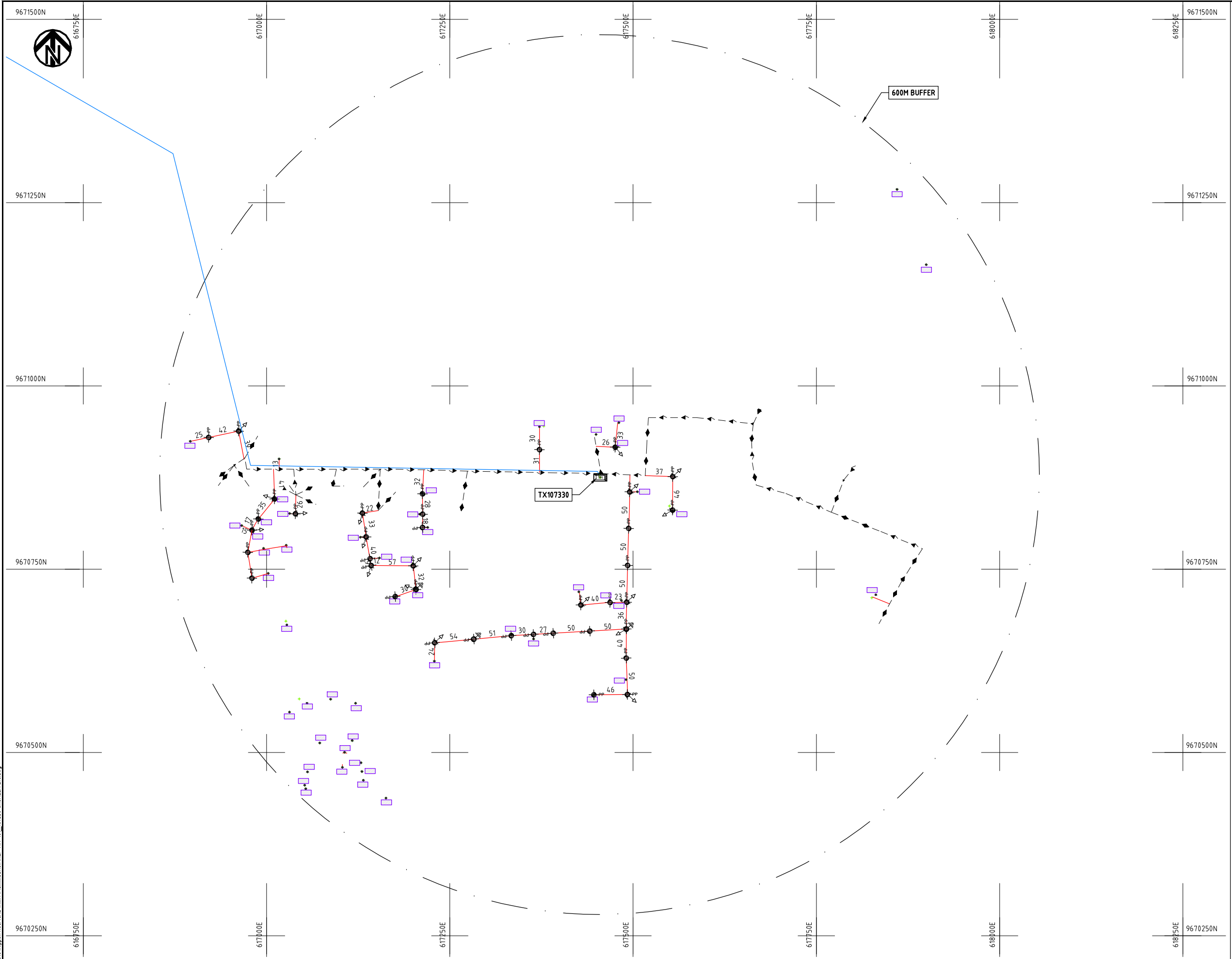
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PROJECT:	THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA
----------	--

DRAWING TITLE	
COUNTY:	KILIFI
SCHEME:	MAXIMIZATION
PROJECT SITE:	102292 KANANGONI

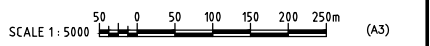
DRAW. NO.	KLF-MA-100
PREPARED BY	A.AKBAR
CHECKED BY	S.MAETA
APPROVED BY	Y.TANAKA
DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-101_107330 SHOMELA DIS.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 107330 SHOMELA DIS		KLF-MA-101	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





9671000N

612750E

613000E

613250E

613500E

613750E

614000E

9671000N

9670750N

9670750N

9670500N

9670500N

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9670000N

9670000N

612750E

613000E

613250E

613500E

613750E

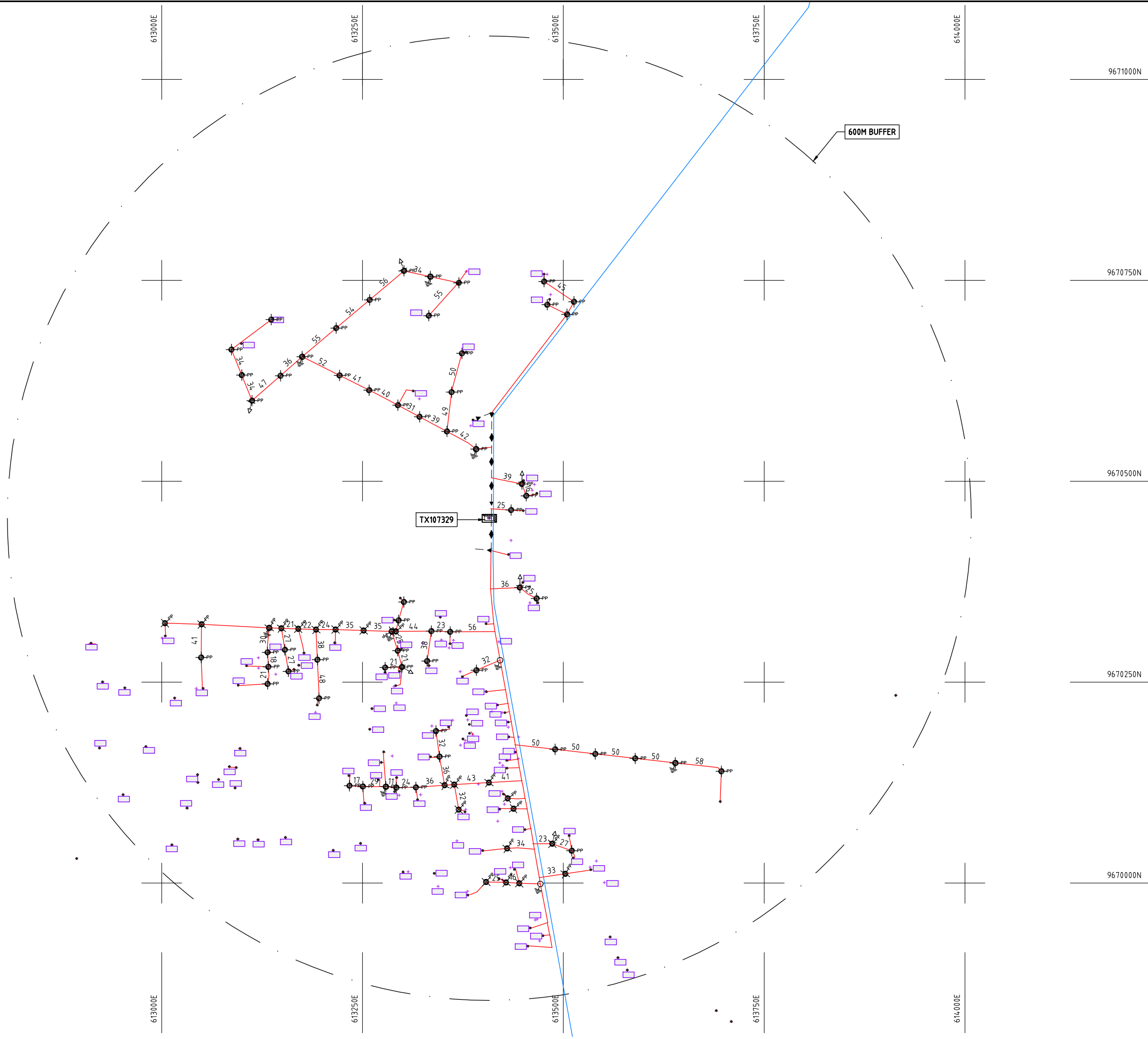
614000E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



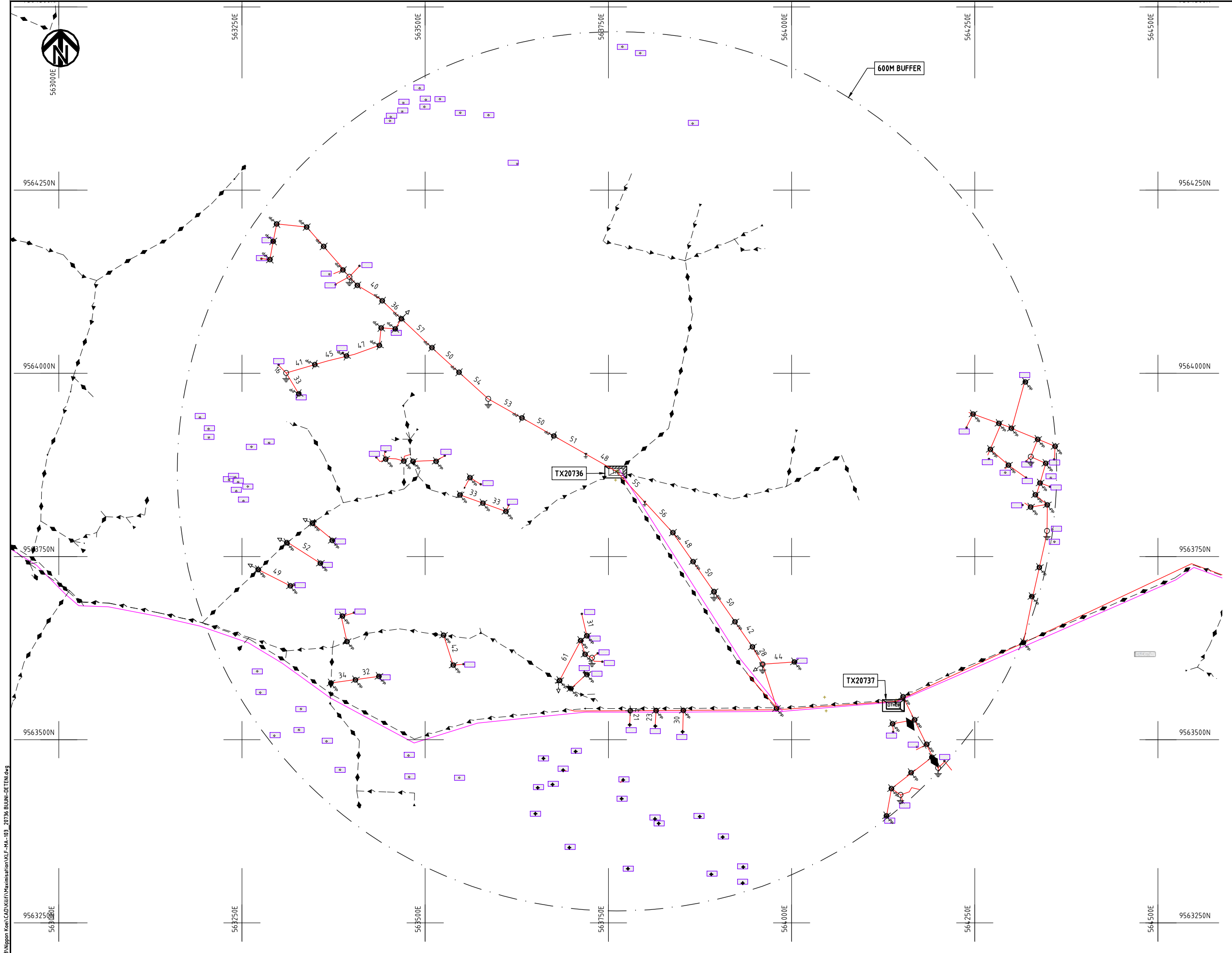
PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 107329 KABIBUNI PRY

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-102	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-102_107329 KABIBUNI PRY.dwg
 Oct 31, 2018 - 2:05pm



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-103_20736-BUUNI-DETENI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-103	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 20736-BUUNI-DETENI			DATE	10th SEP 2018





9570250N

563750E

564000E

564250E

564500E

564750E

565000E

9570250N

9570000N

9570000N

9569750N

9569750N

9569500N

9569500N

9569250N

9569250N

563750E

564000E

564250E

564500E

564750E

565000E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

600m BUFFER_19930 -Bofu Sec School,Rabai

TX19930



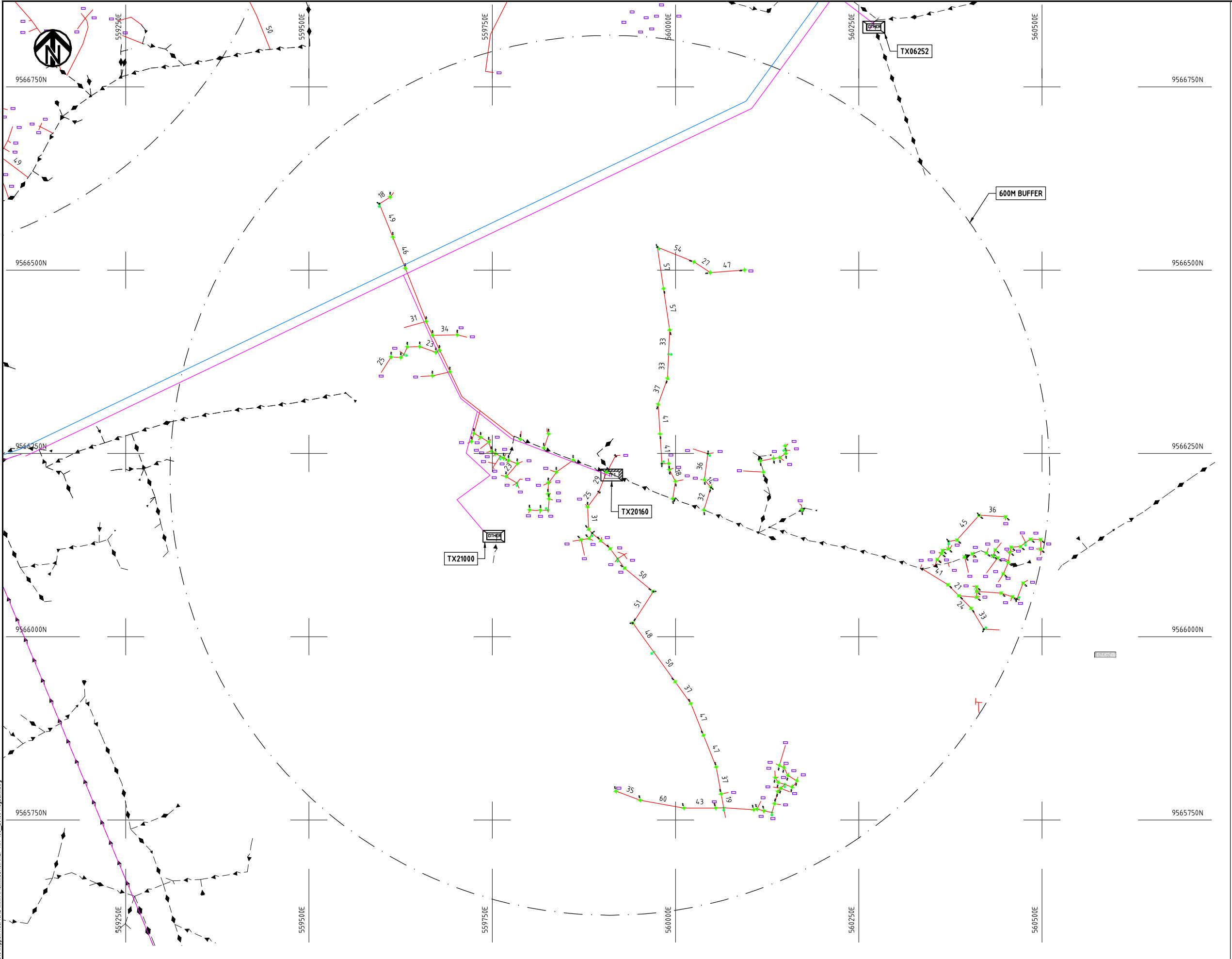
PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 19930-BOFU

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-104	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-104_19930_BOFU.dwg



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-106_20160-Magadini.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-106	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 20160-MAGADINI			DATE	10th SEP 2018	





9562000N

9561750N

9561500N

9561250N

9561000N

560500E

560750E

561000E

561250E

561500E

561750E

560500E

560750E

561000E

561250E

561500E

561750E

600M BUFFER

TX06241

TX076188

TX07648

TX06273

TX06383

TX06285

06253 -MAZERAS
POULTRY FARM

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



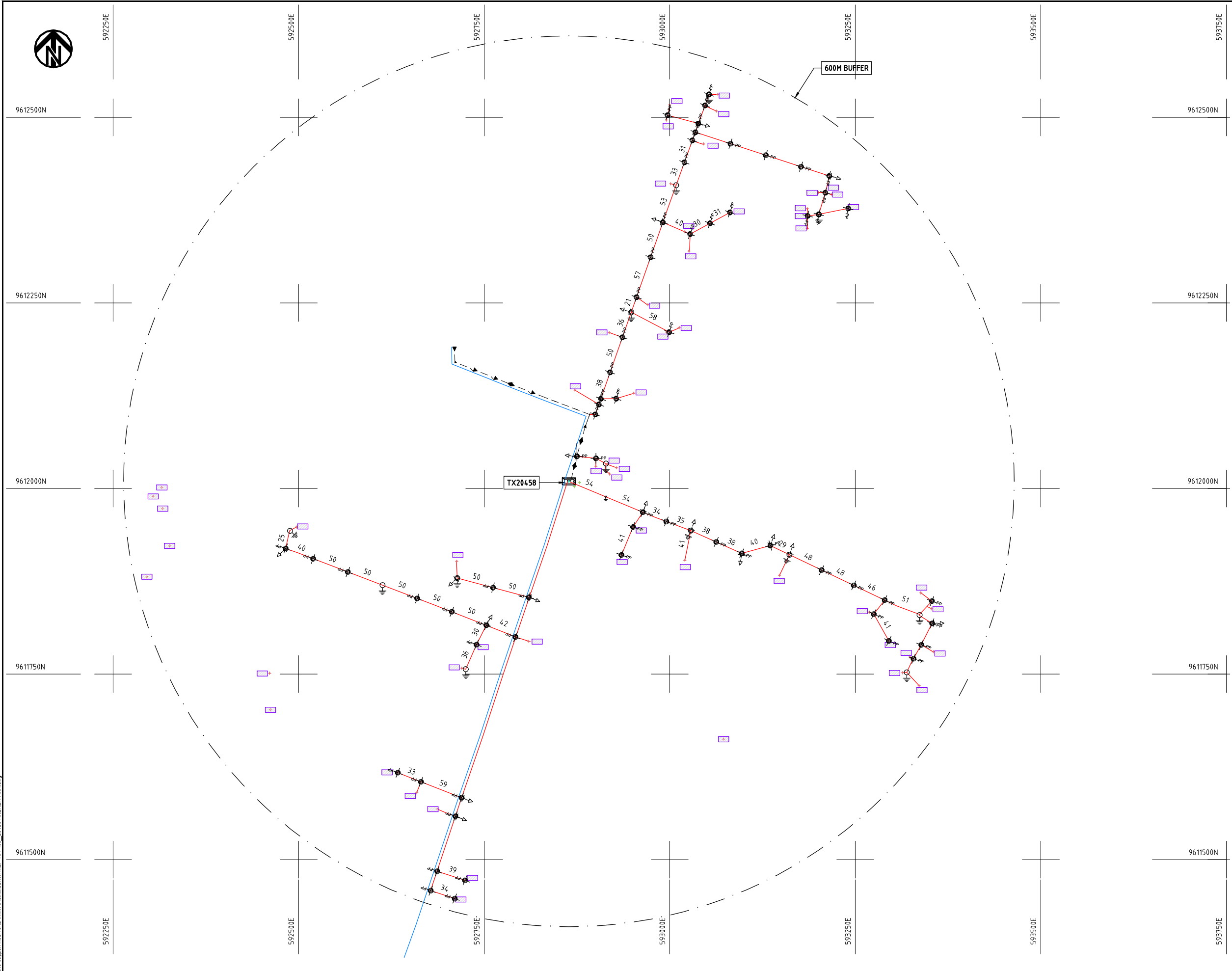
PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 06253-MAZERAS

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-107	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-107_06253-MAZERAS.dwg



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-108_20458 ANZAZI FARM.dwg

PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 20458-ANZAZI FARM

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-108	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





610250E

610500E

610750E

611000E

611250E

611500E

9632250N

9632250N

9632000N

9632000N

9631750N

9631750N

9631500N

9631500N

9631250N

9631250N

610250E

610500E

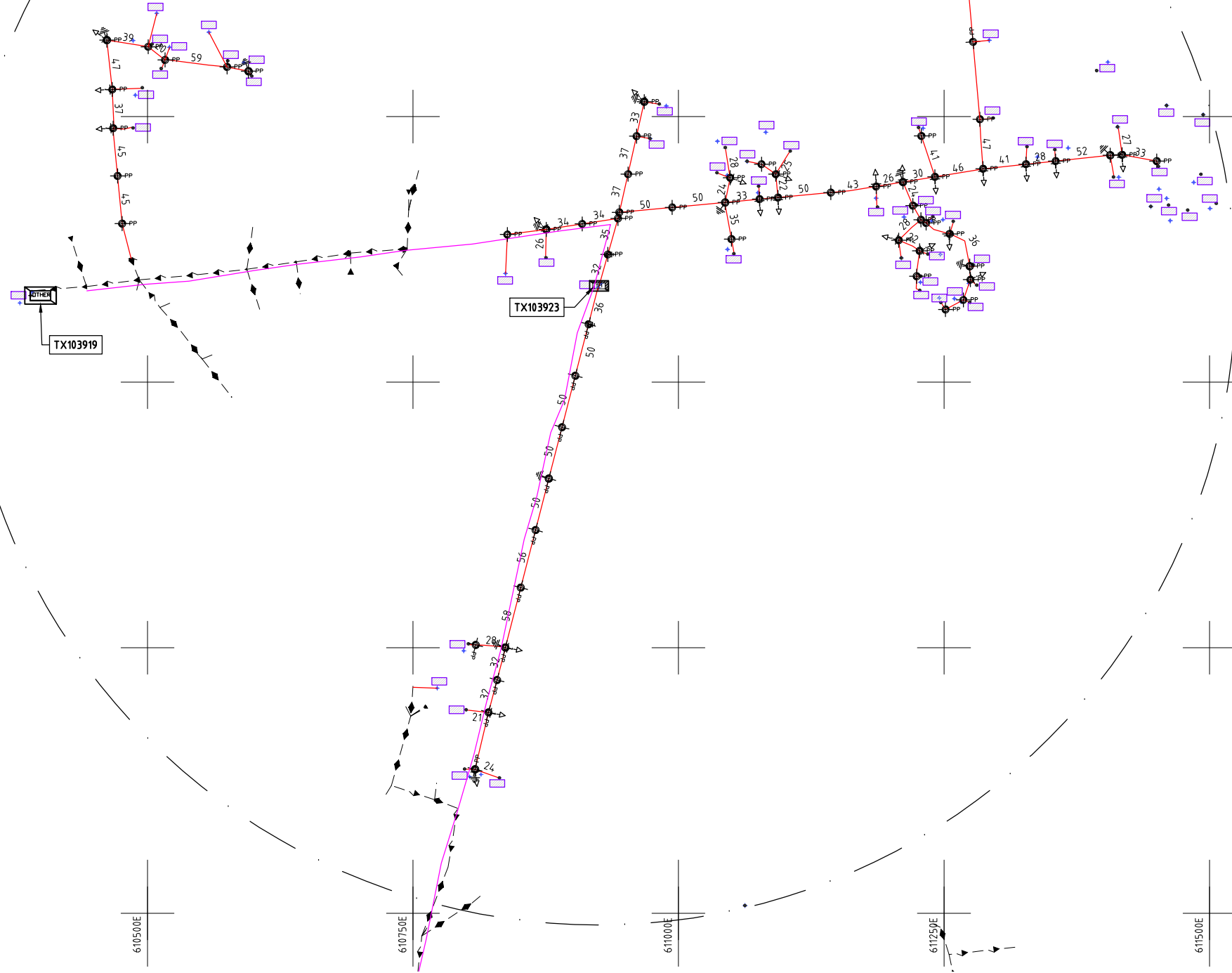
610750E

611000E

611250E

611500E

600M BUFFER



NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

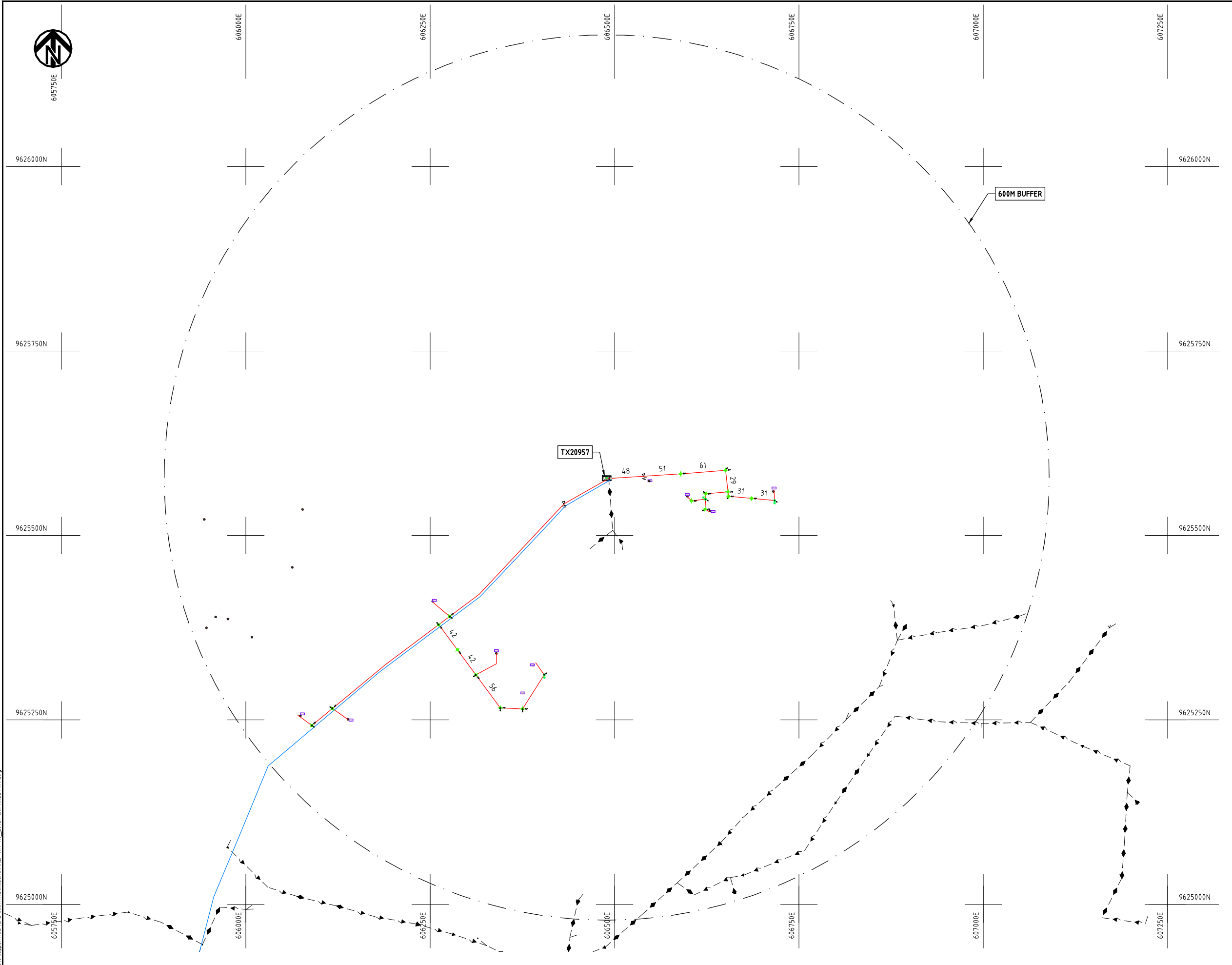
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 103923-DABASO

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-109	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

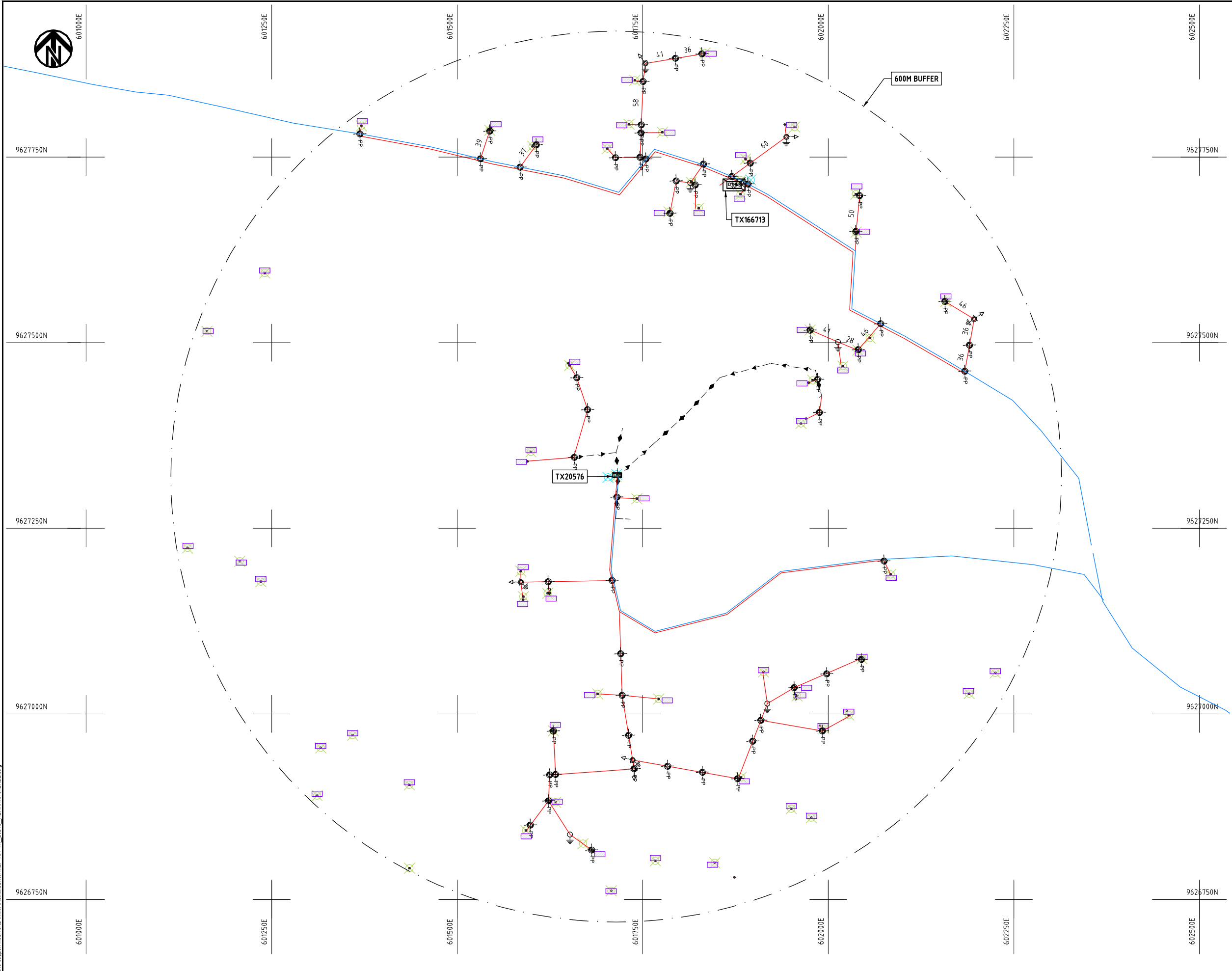
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-110_20957_CHIPANDE PRI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI	PROJECT SITE: 20957-CHIPANDE PRI SCHOOL	KLF-MA-110	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION	APPROVED BY			Y.TANAKA	
DATE	10th SEP 2018				





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



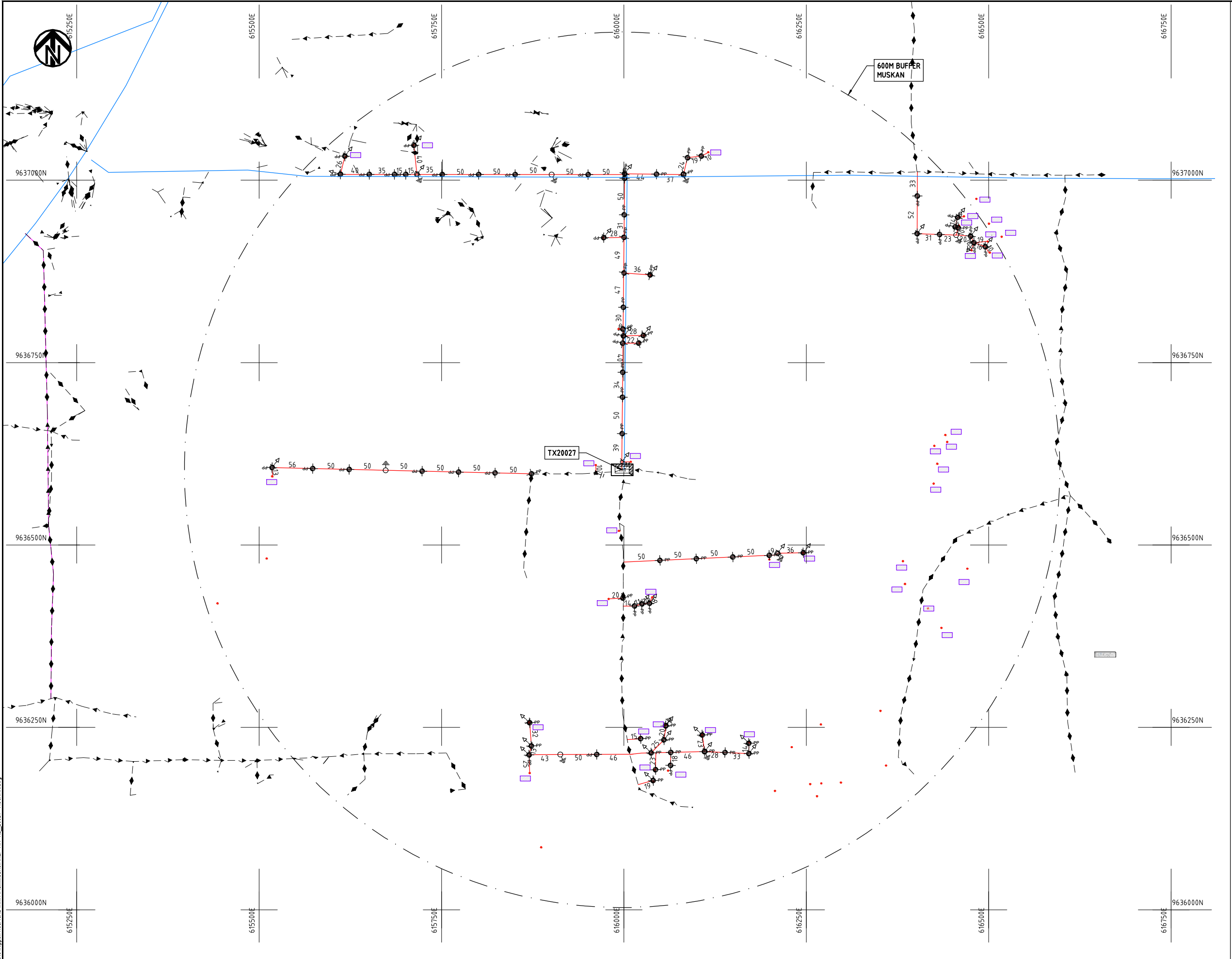
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 20576-MBARAKACHEMBE

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-111	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

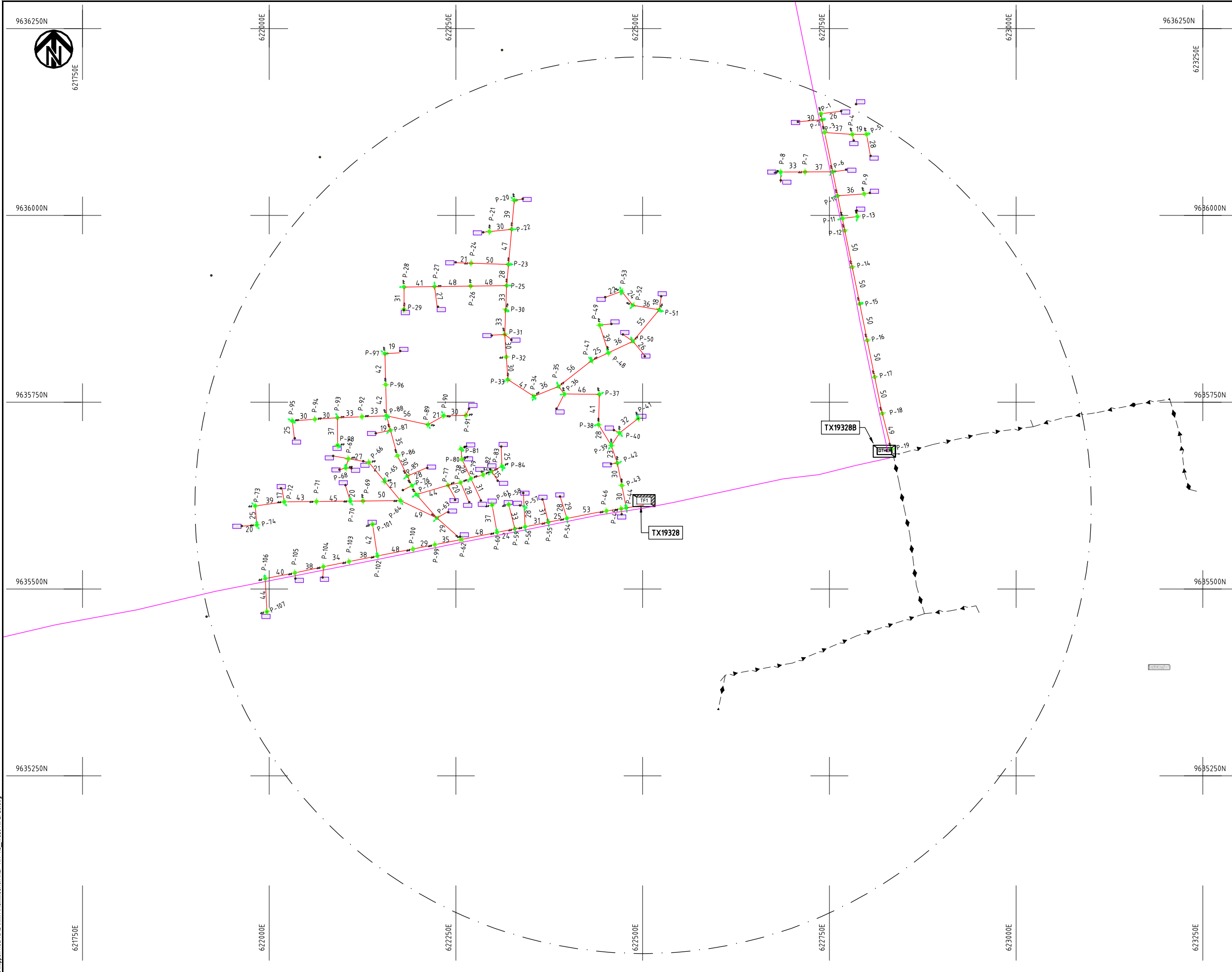
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1:5000 (A3)

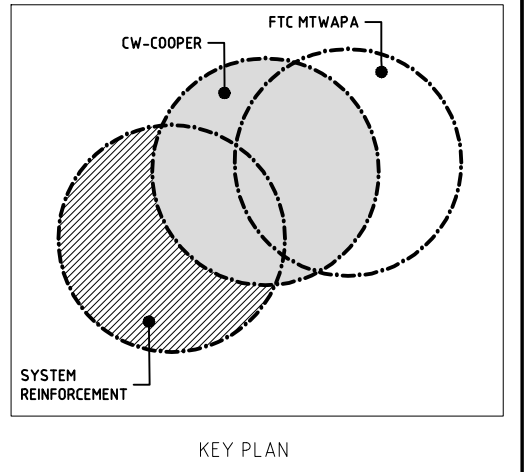
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20027 MUSKAN		KLF-MA-112	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



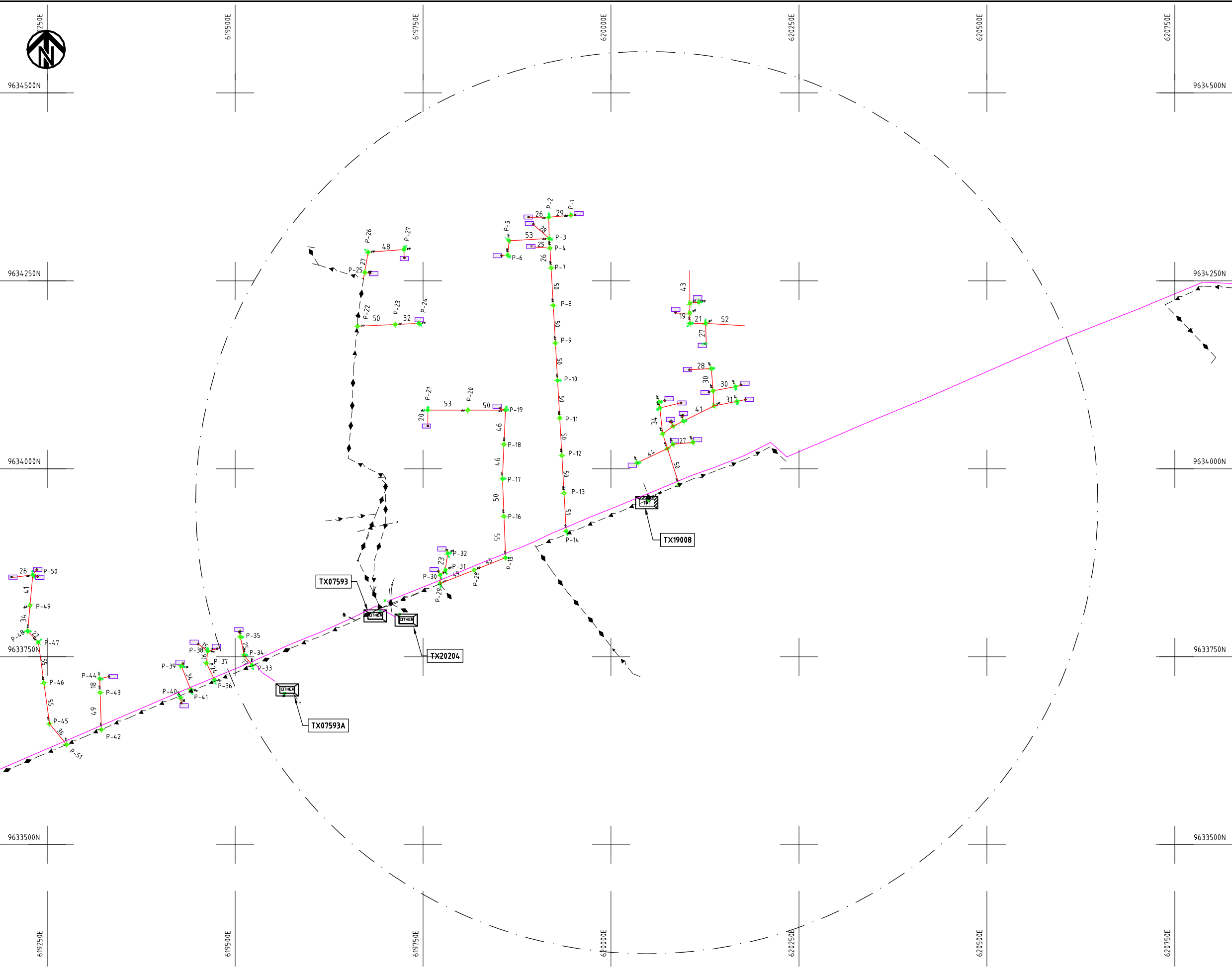
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-113_19328 KIPEPE0.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 19328 - KIPEPE0		KLF-MA-113	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

KEY PLAN

LEGEND

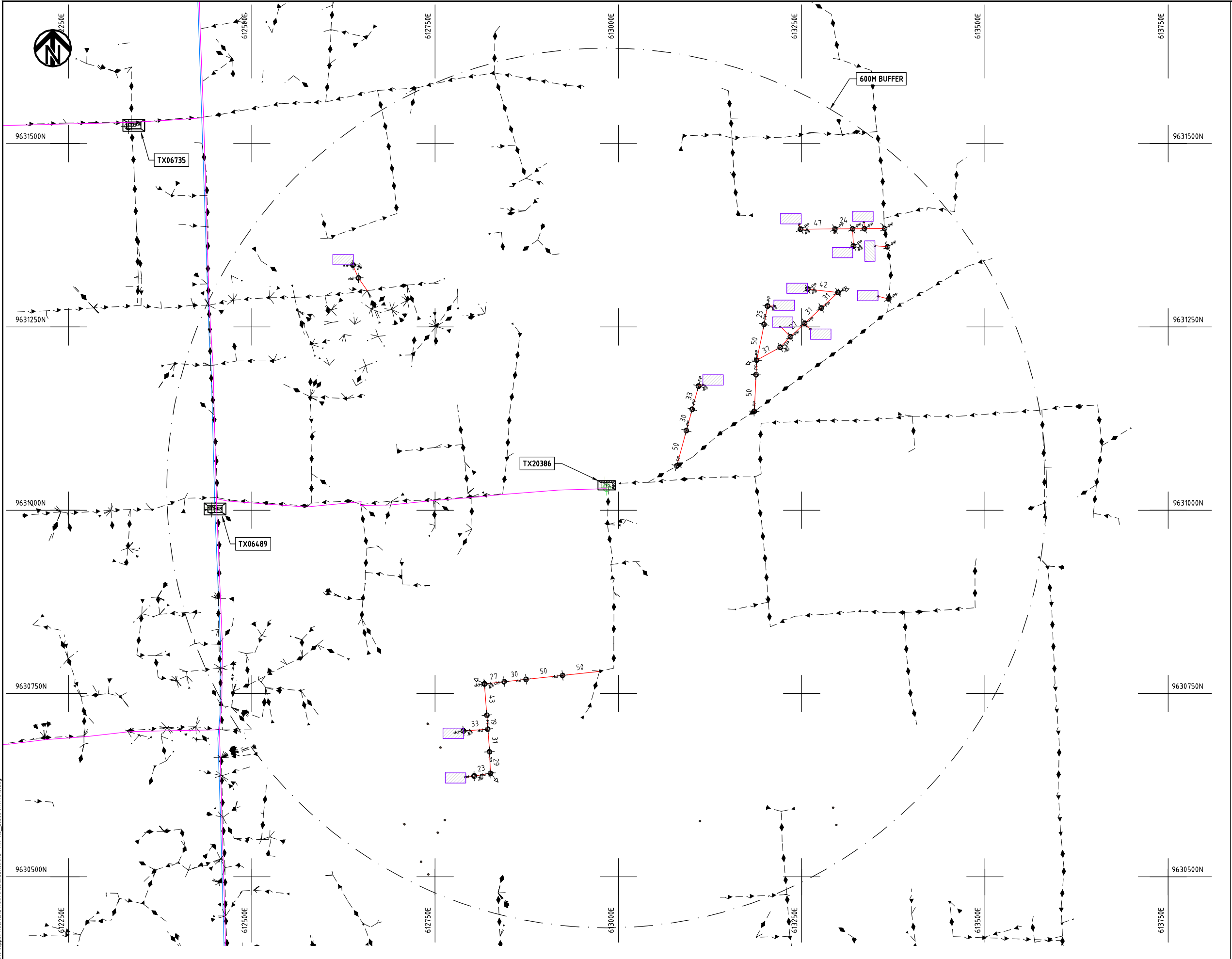
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-114_19008_MELINA.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 19008 - MELINA		KLF-MA-114	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

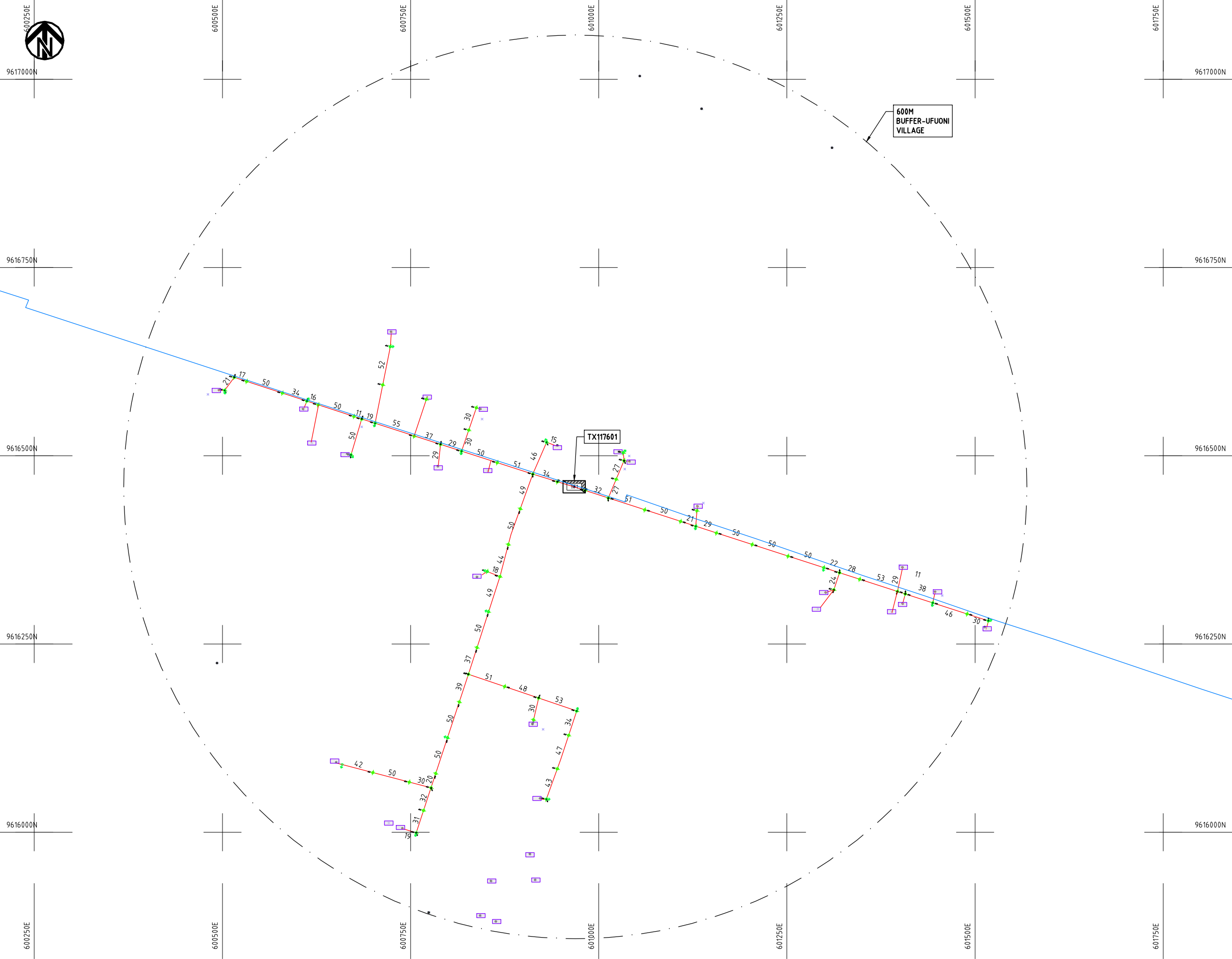
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-115_20386_WATAMU.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20386 - WATAMU		KLF-MA-115	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



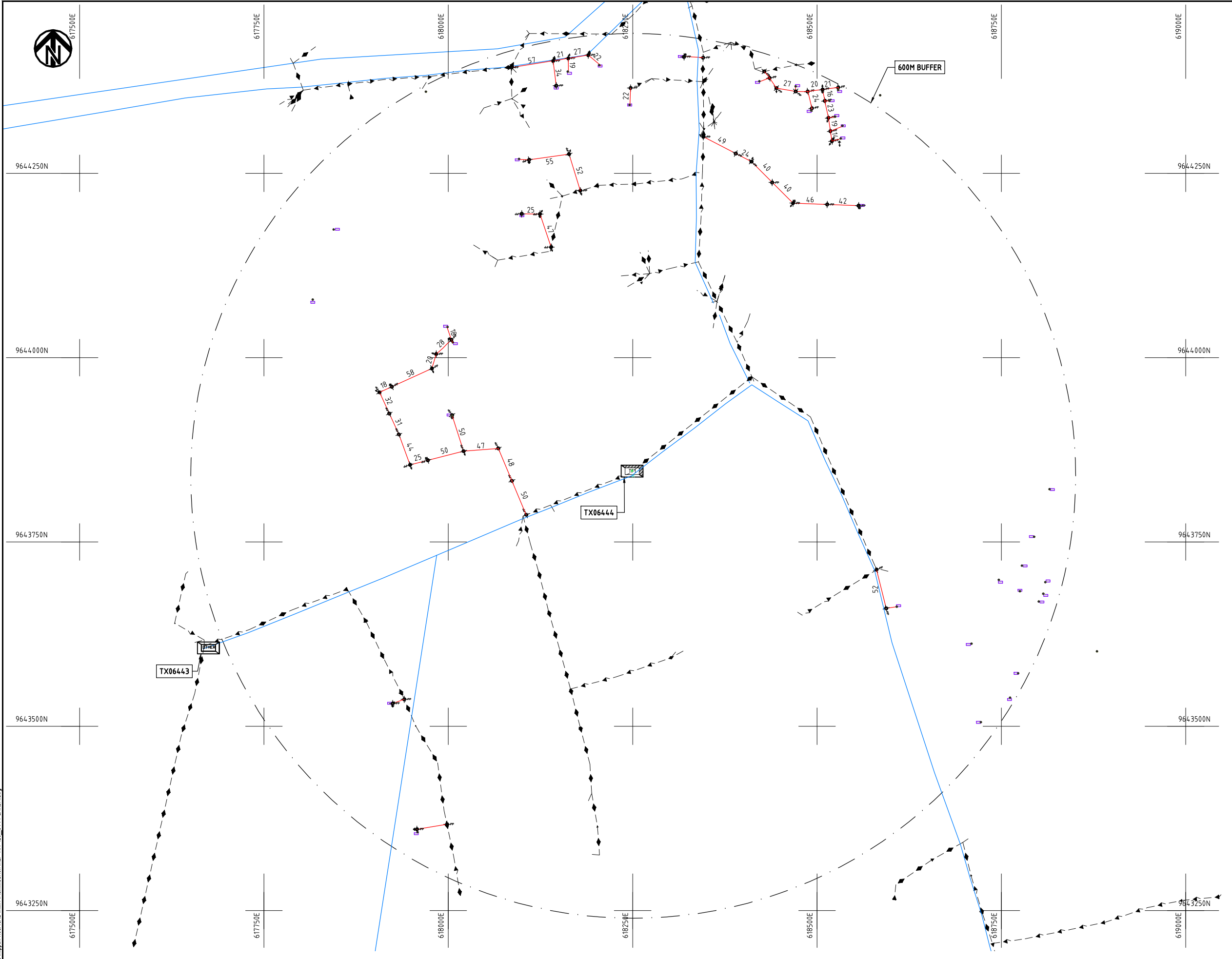
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 117601 UFUONI

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-116	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

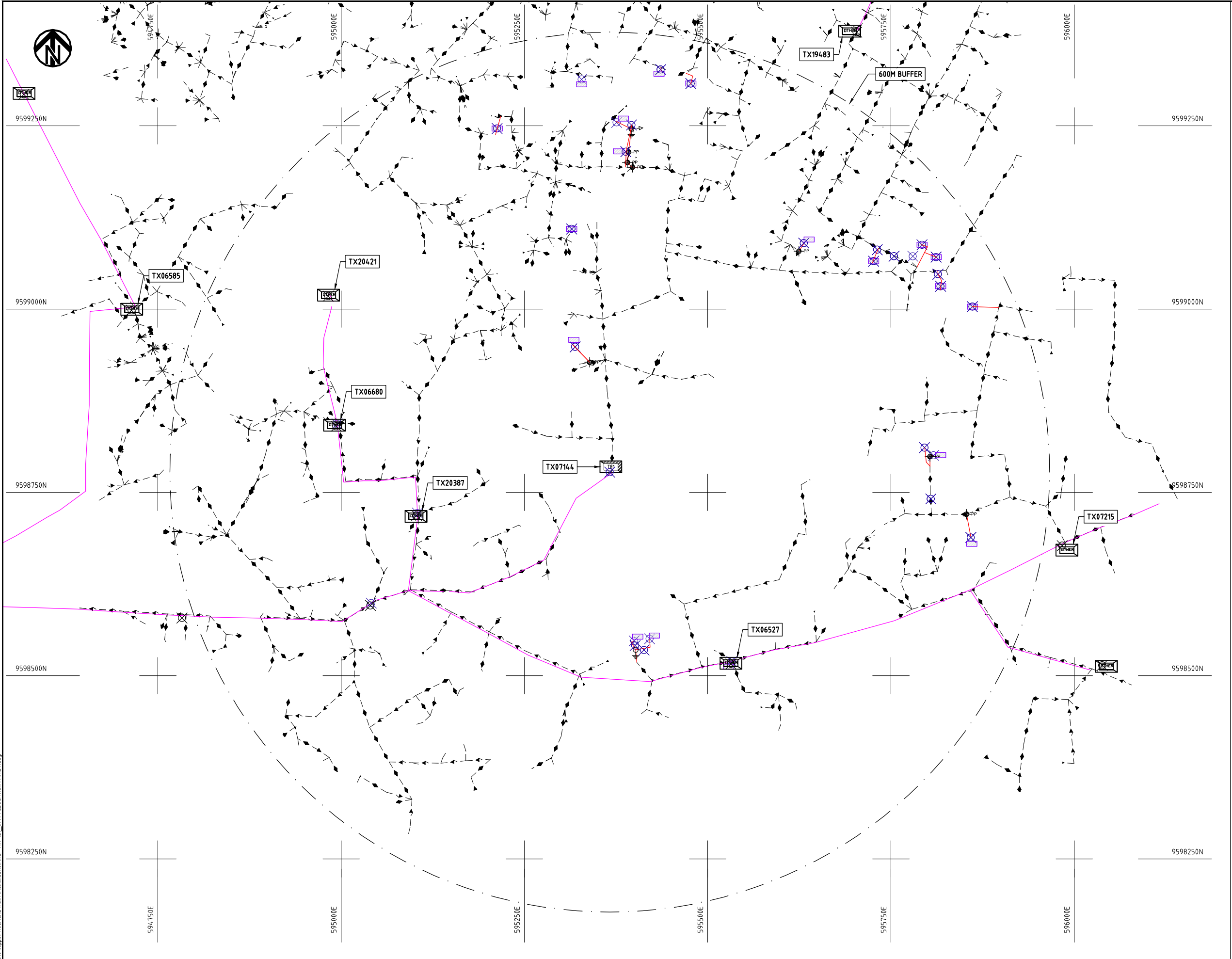
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-120_6444_GANDA.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-120	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 06444-GANDA			DATE	10th SEP 2018	

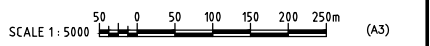




- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-121_07144_EDUCATION_FAMILY.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-121	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 07144 EDUCATION FAMILY			DATE	10th SEP 2018	





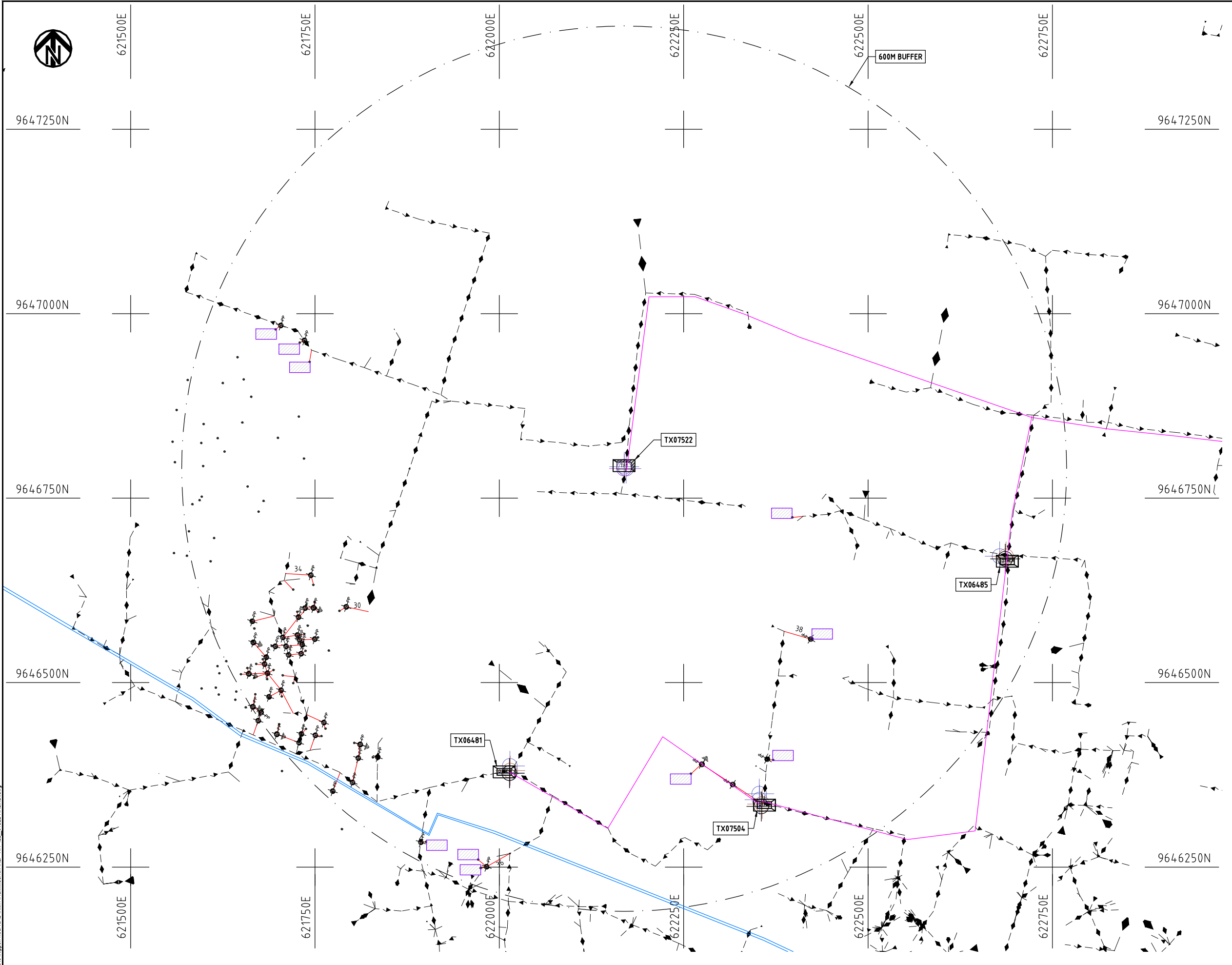
NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1:5000 (A3)



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-122_07522_MALINDI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-122	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 07522 MALINDI			DATE	10th SEP 2018



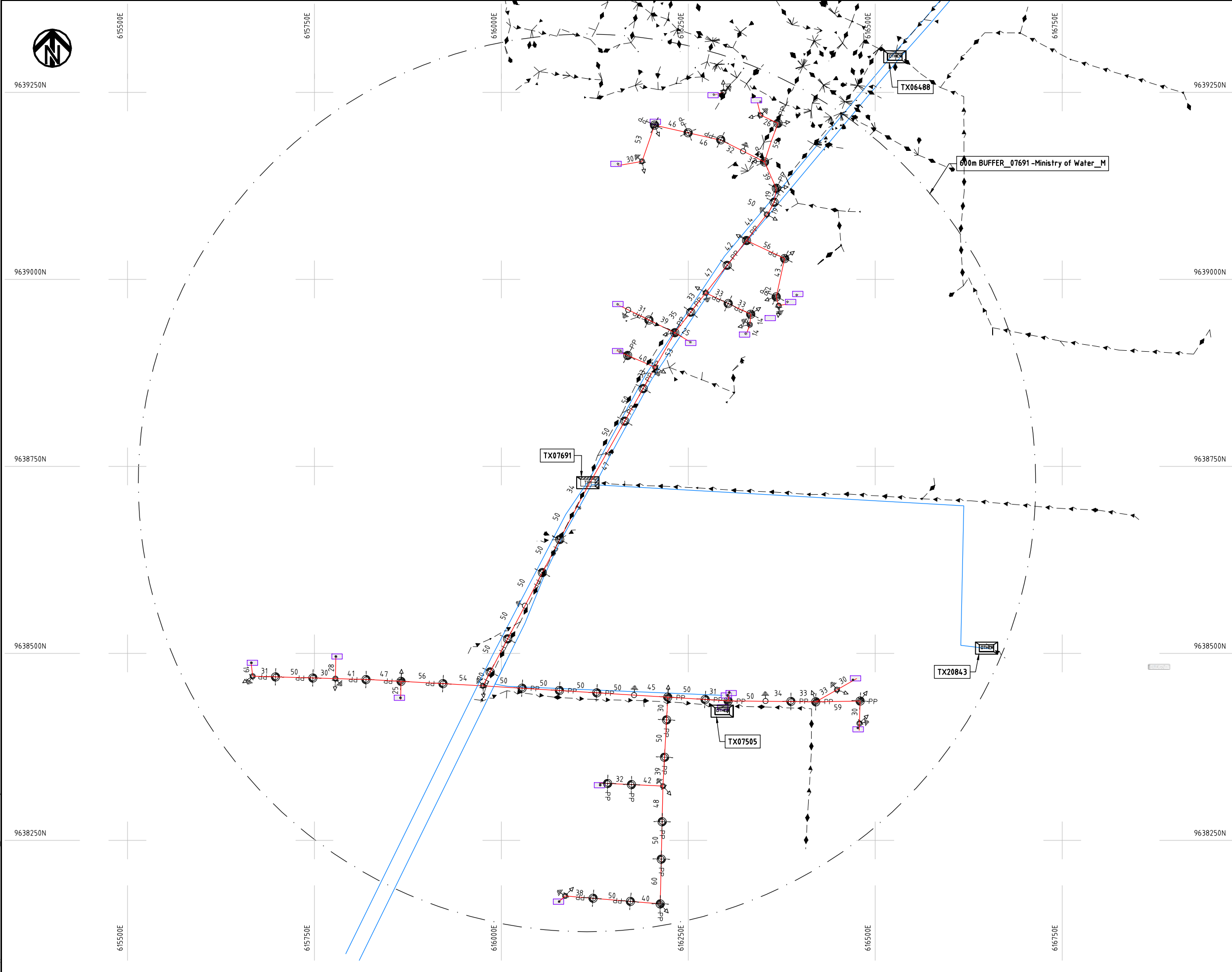


NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

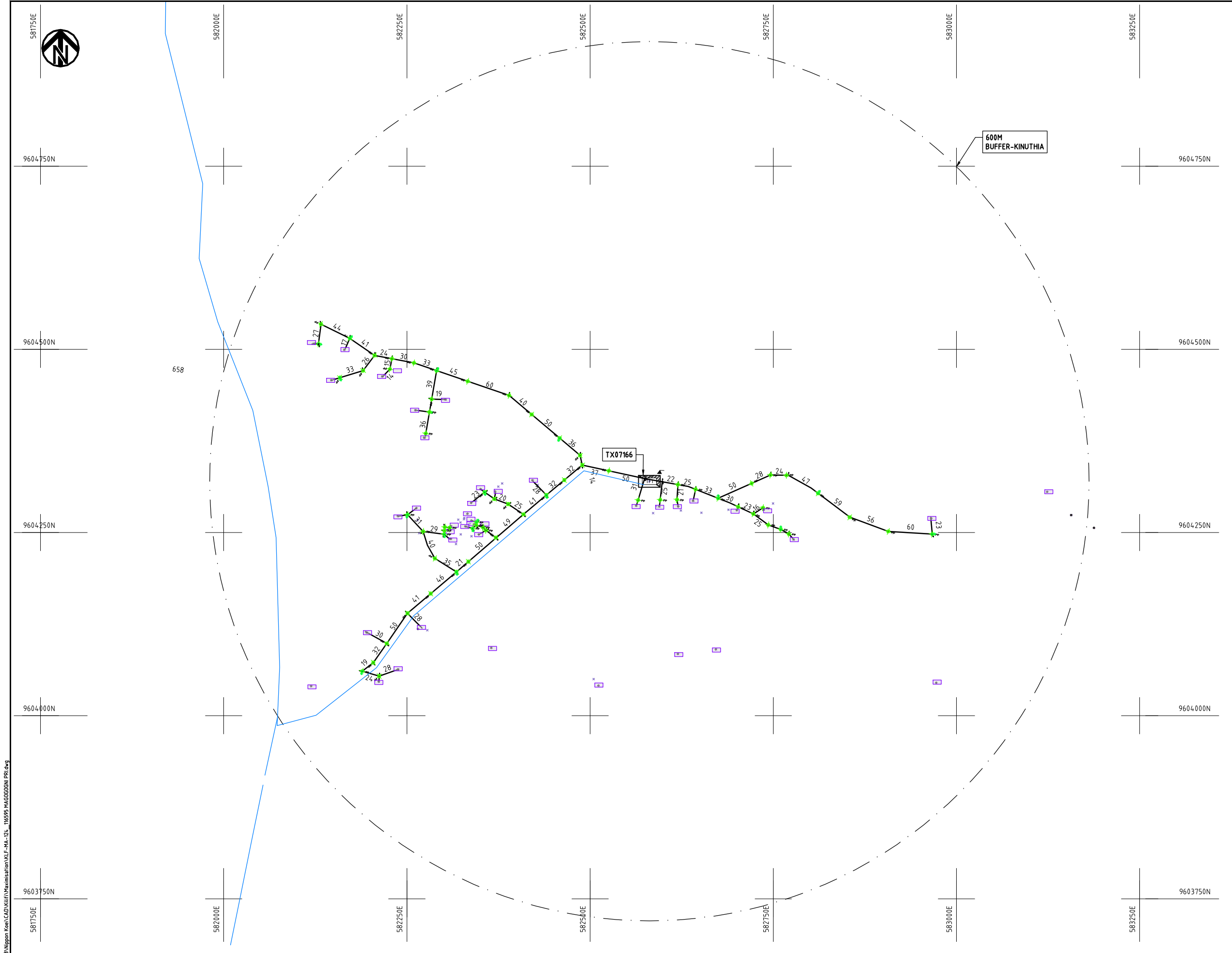
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-123_07691 MINISTRY.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07691 MINISTRY		KLF-MA-123	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

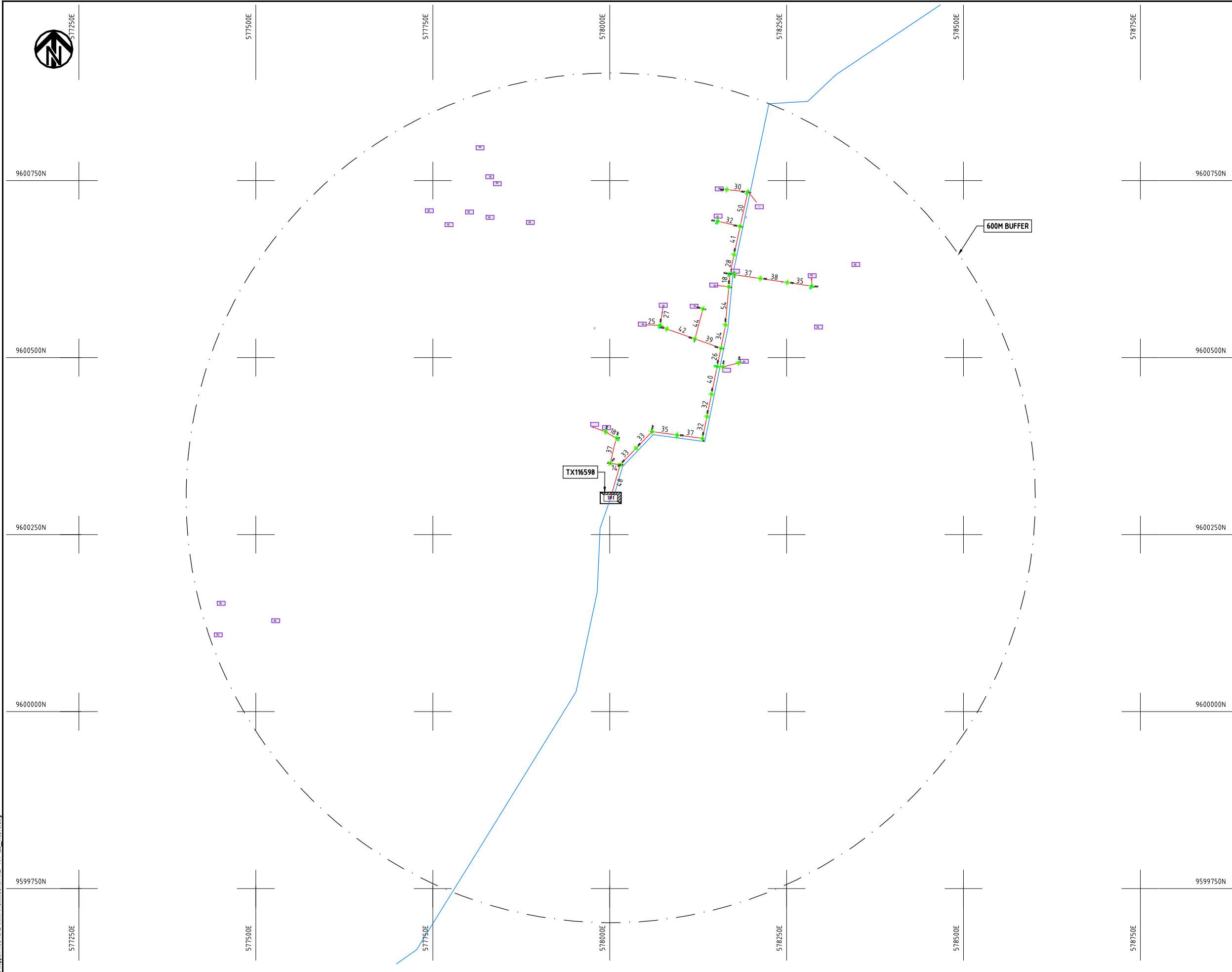
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED 11kV
 - PROPOSED 33kV
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES 12M
 - CONCRETE ELECTRIC POLES 11M
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-124_116595 MAGOGOGNI PRL.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-124	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 116595 MAGOGOGNI PRIMARY		DATE		10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-125_116598.dwg

PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 116598 -116598

DRAW. NO. KLF-MA-125	PREPARED BY	A.AKBAR
	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





9635750N

610000E

610250E

610500E

610750E

611000E

611250E

9635500N

9635250N

9635000N

9634750N

610000E

610250E

610500E

610750E

611000E

611250E

600M BUFFER

TX064.77

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

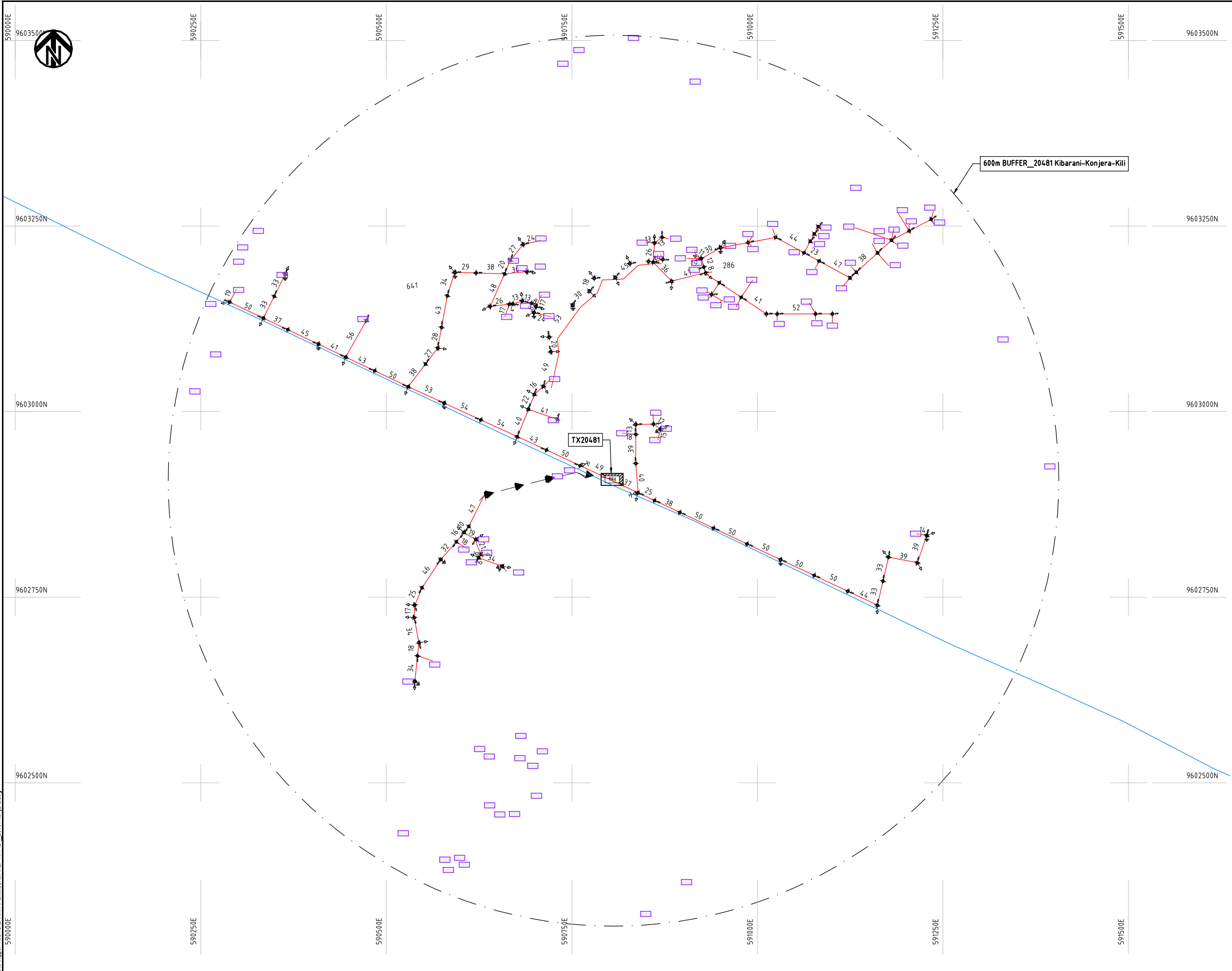


PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 06477-GEDE FOREST

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-126	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

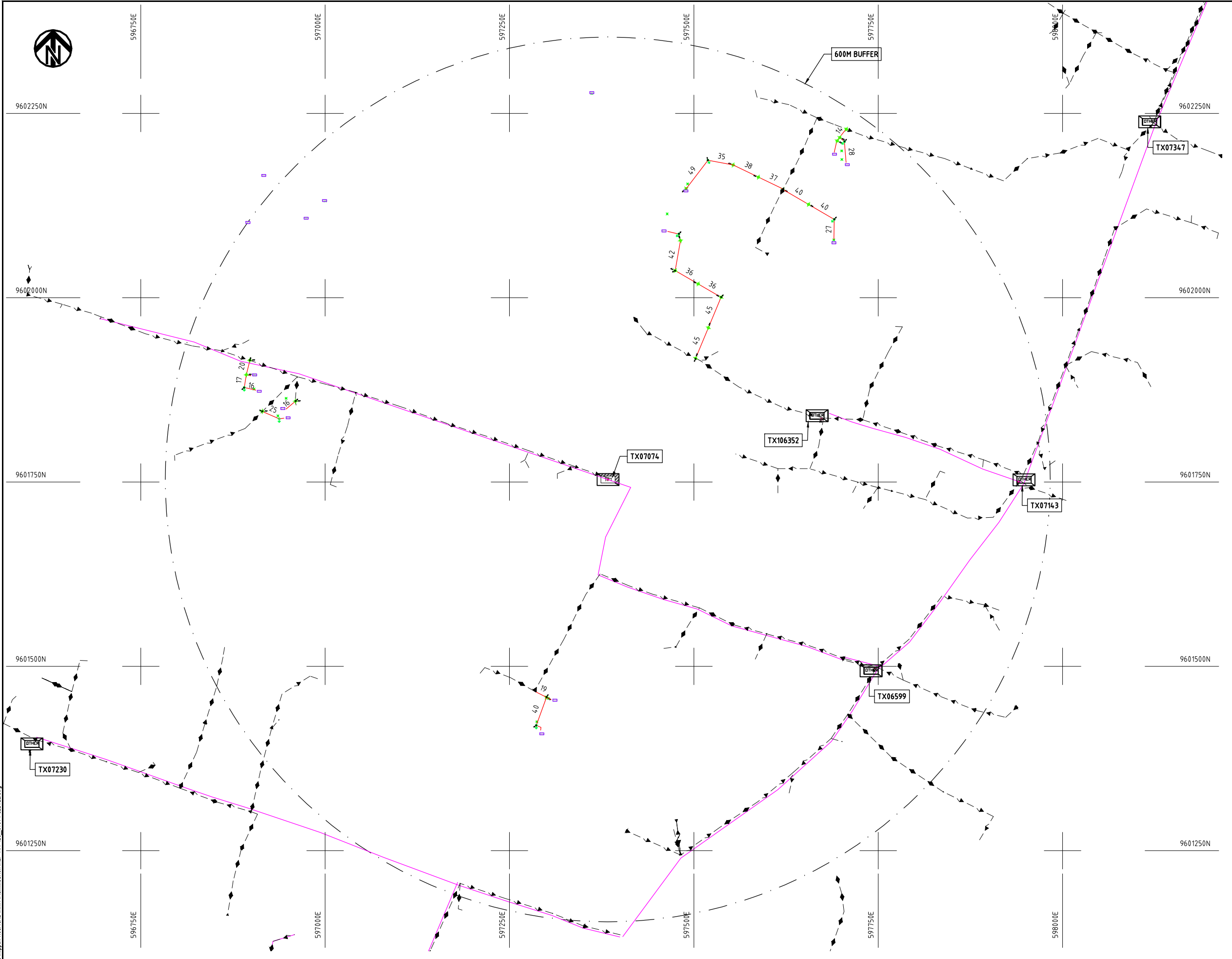
LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

Cad File No.: D:\Frank-Proj\2018\Nippon Koei\Kilifi\Maximisation\KLF-MA-127_20481 Konjera.dwg
 590000E
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 590500E
 590750E
 591000E
 591250E
 591500E
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 9602750N
 9603000N
 9603250N
 9603500N

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 204.81 KONJERA		KLF-MA-127	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



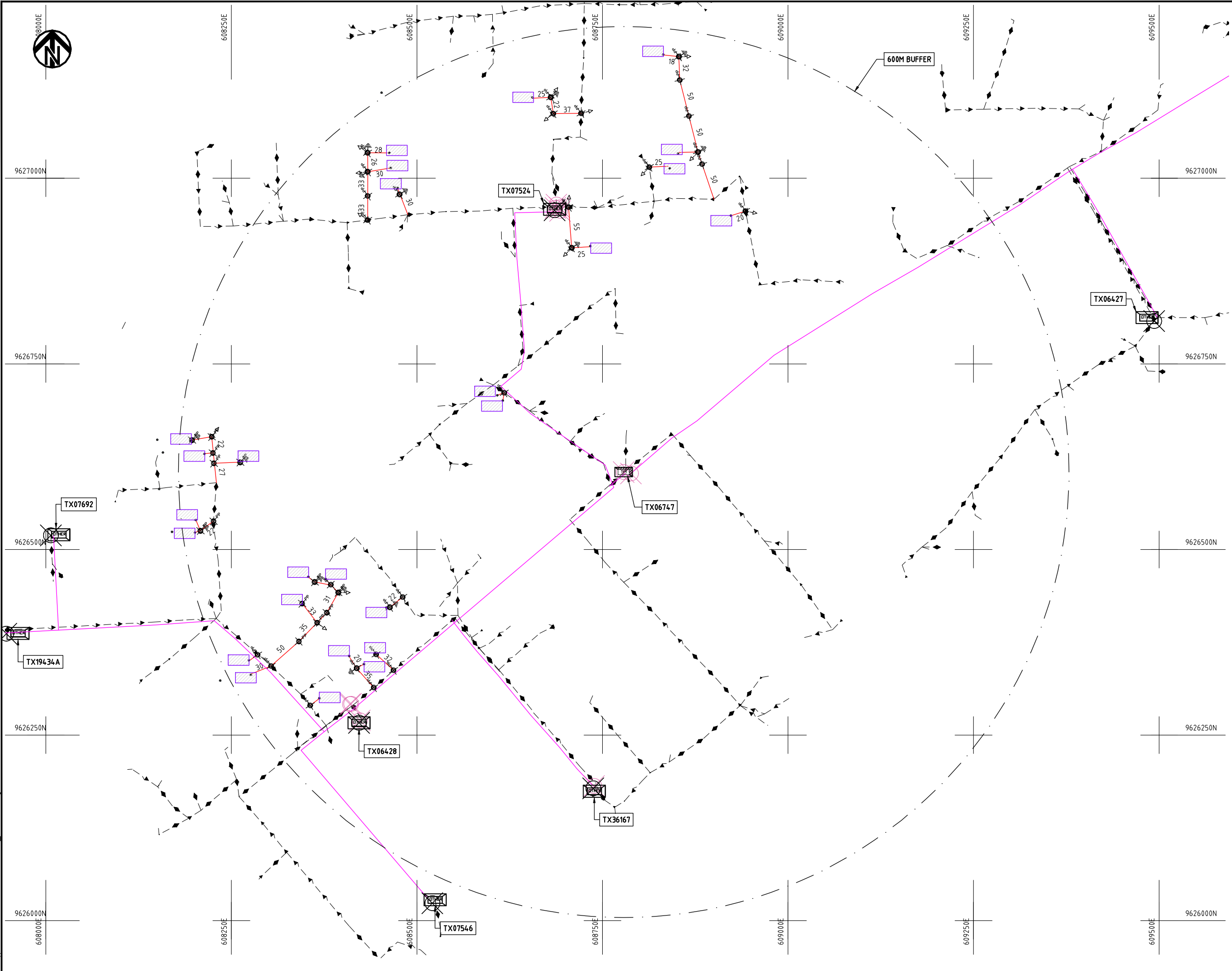
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 07074-CELTEL

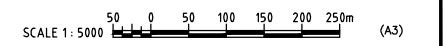
DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-128	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Caf File No. D:\Frank-Proj\2018\Nippon Koei\Kilifi\Maximisation\KLF-MA-129_06747.L.RIEDL.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 06747 - L. RIEDL		KLF-MA-129	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





619000E

619250E

619500E

619750E

620000E

620250E

620500E

9634250N

9634250N

9634000N

9634000N

9633750N

9633750N

9633500N

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9633250N

9633250N

619000E

619250E

619500E

619750E

620000E

620250E

620500E

Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-130-2024-JACARANDA HOTELS.dwg

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KILIFI
SCHEME: MAXIMIZATION
PROJECT SITE: 20204-JACARANDA HOTELS

DRAW. NO.

KLF-MA-130

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

APPROVED BY

Y.TANAKA

DATE














10th SEP 2018

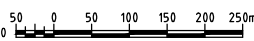
NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

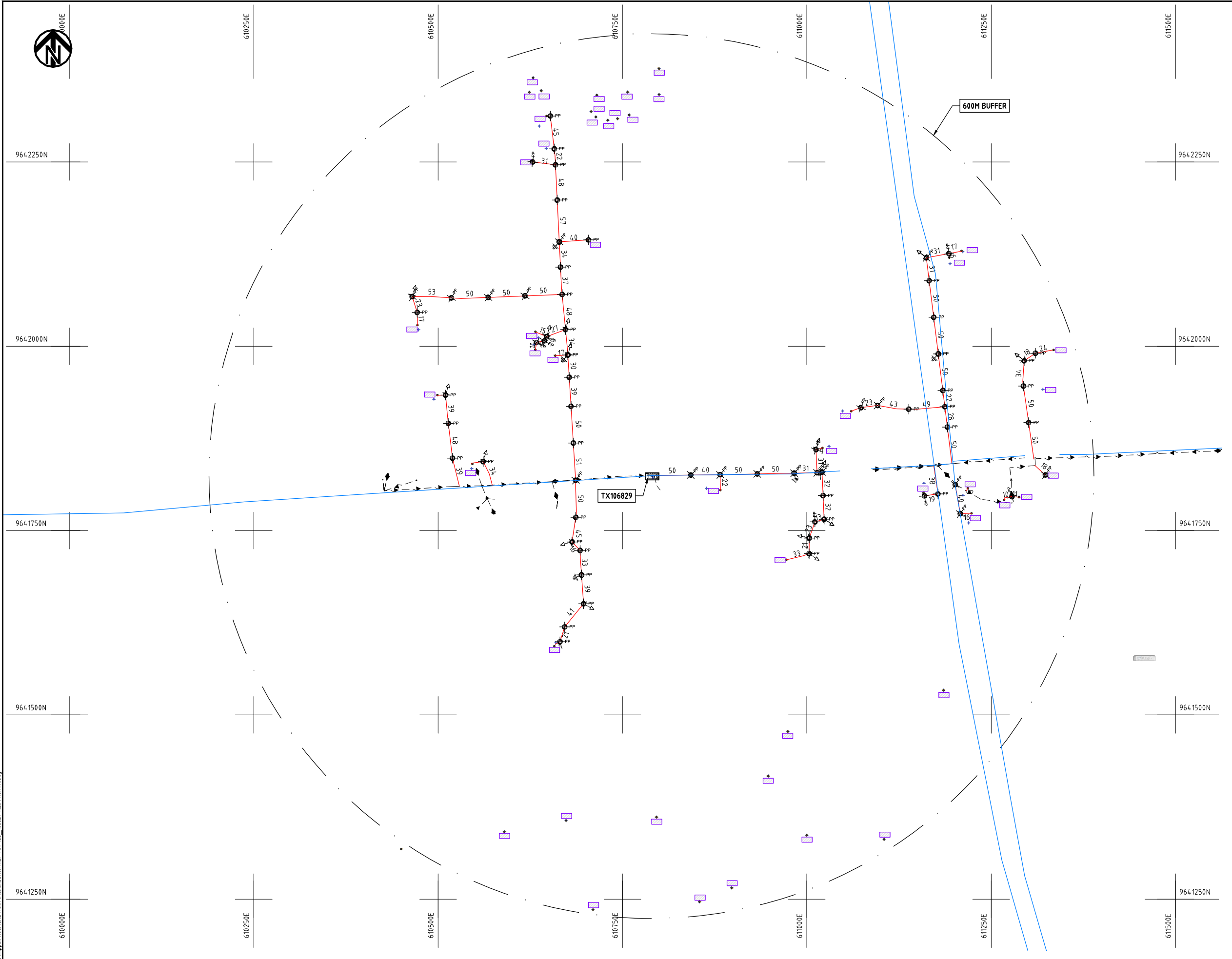
KEY PLAN

LEGEND

-  HOUSEHOLDS/ BUILDINGS
-  PROPOSED DISTRIBUTION LINE
-  EXISTING 11kV LINE
-  EXISTING 33kV LINE
-  EXISTING DISTRIBUTION LINE
-  MAXIMISATION TRANSFORMER
-  EXTENSION TRANSFORMER
-  OTHER EXISTING TRANSFORMER
-  WOODEN ELECTRIC POLES
-  CONCRETE ELECTRIC POLES
-  LV-EARTH
-  PME -PROTECTIVE MULTIPLE EARTHING
-  STAY

SCALE 1: 5000  (A3)





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

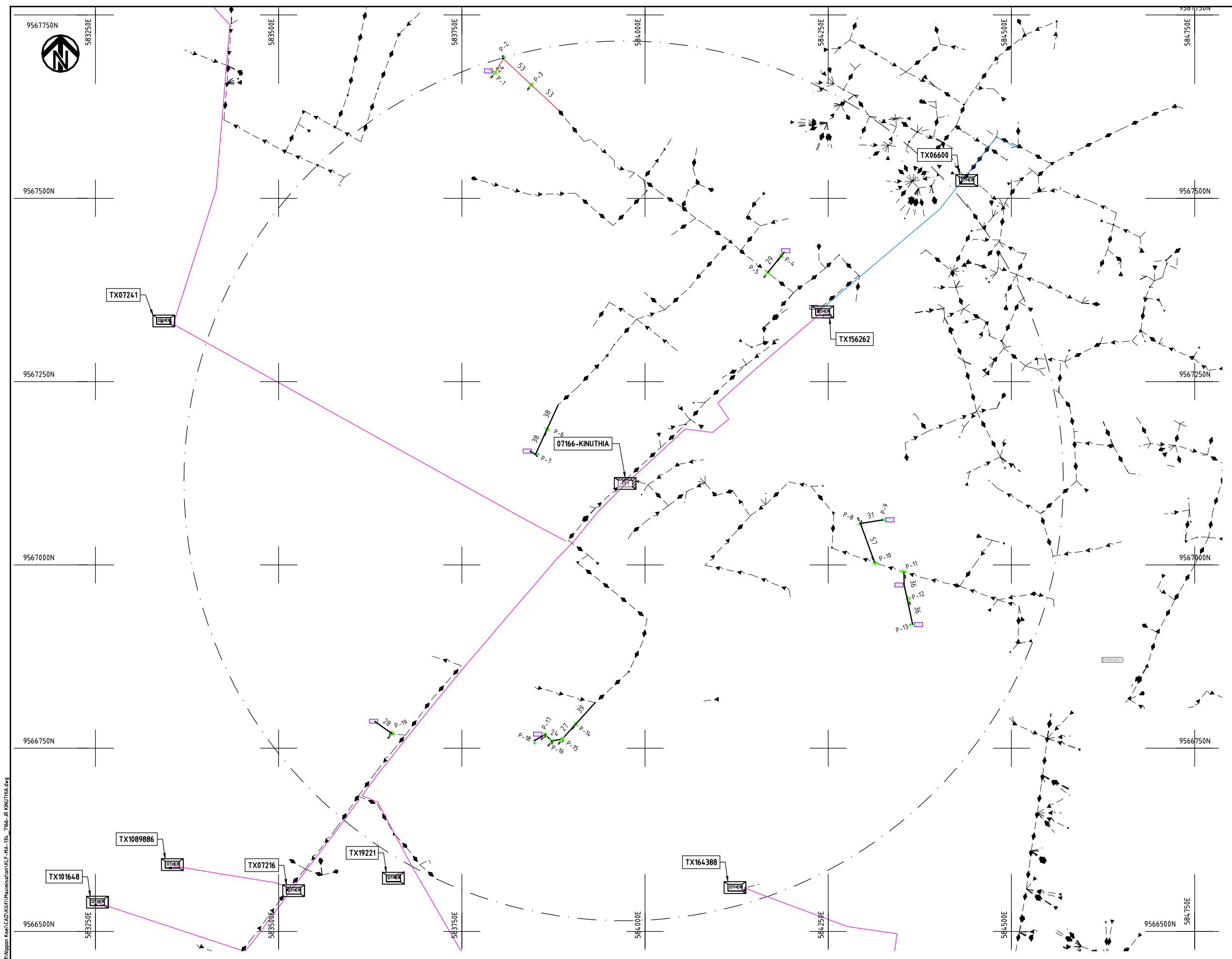
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-133_106829_KILIFI NORTH.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-133	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 106829 KILIFI NORTH			DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

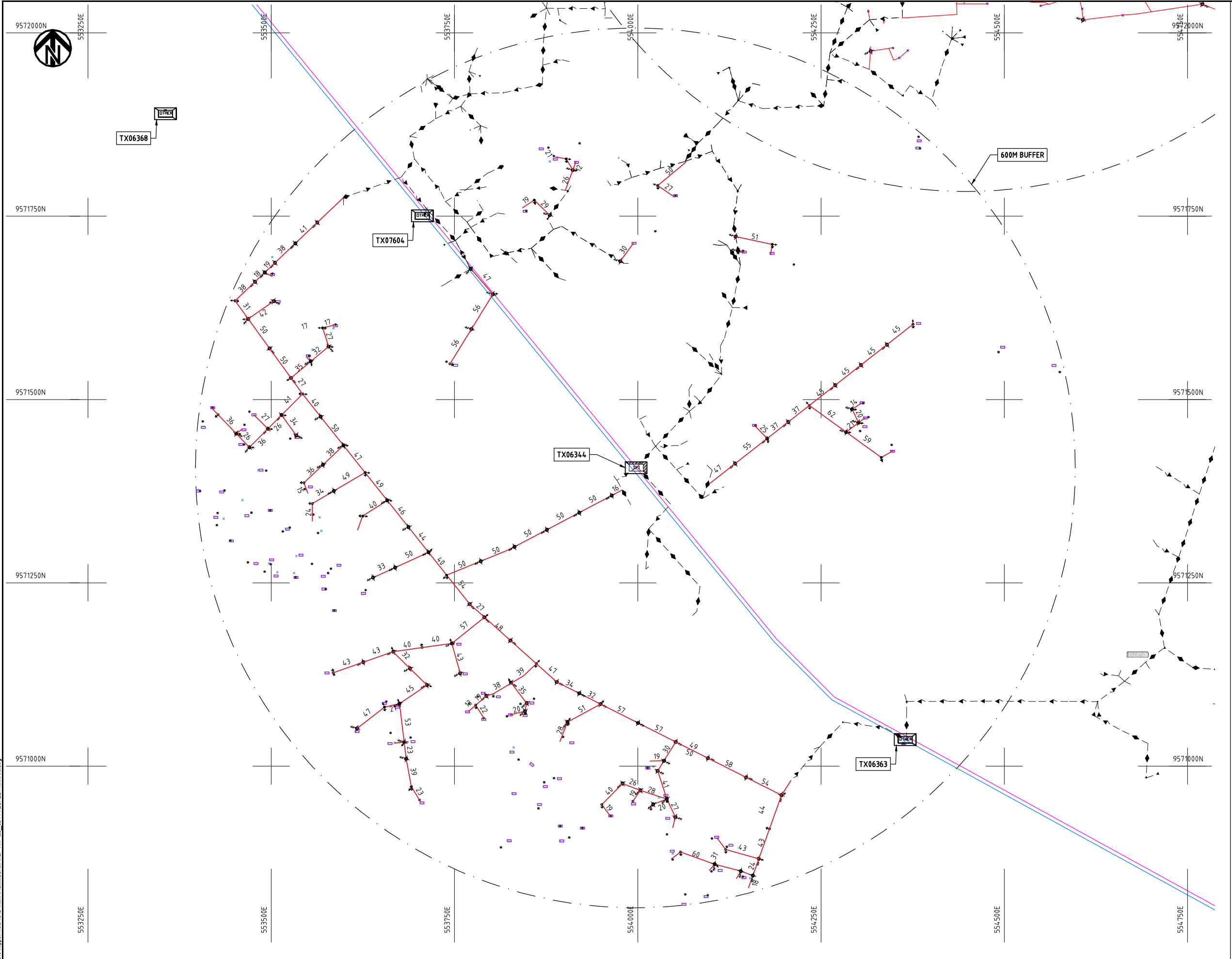
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-134_T166-R_KINUTHIA.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 07166-JR KINUTHIA		KLF-MA-134	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-135-ABDALLA KHAMIS.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 06344-ABDALLA KHAMIS		KLF-MA-135	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





555000E

555250E

555500E

555750E

556000E

556250E

9572250N

9572250N

9572000N

9572000N

9571750N

9571750N

9571500N

9571500N

9571250N

9571250N

555000E

555250E

555500E

555750E

556000E

556250E

600M BUFFER
20724 - KAPUTUKU -
KIBANDAHASAR

TX20724

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1:5000 (A3)

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KILIFI
SCHEME: MAXIMIZATION
PROJECT SITE: 20724-KAPTUKU STELLA KATWA KOKOTONI

DRAW. NO.

KLF-MA-136

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

APPROVED BY

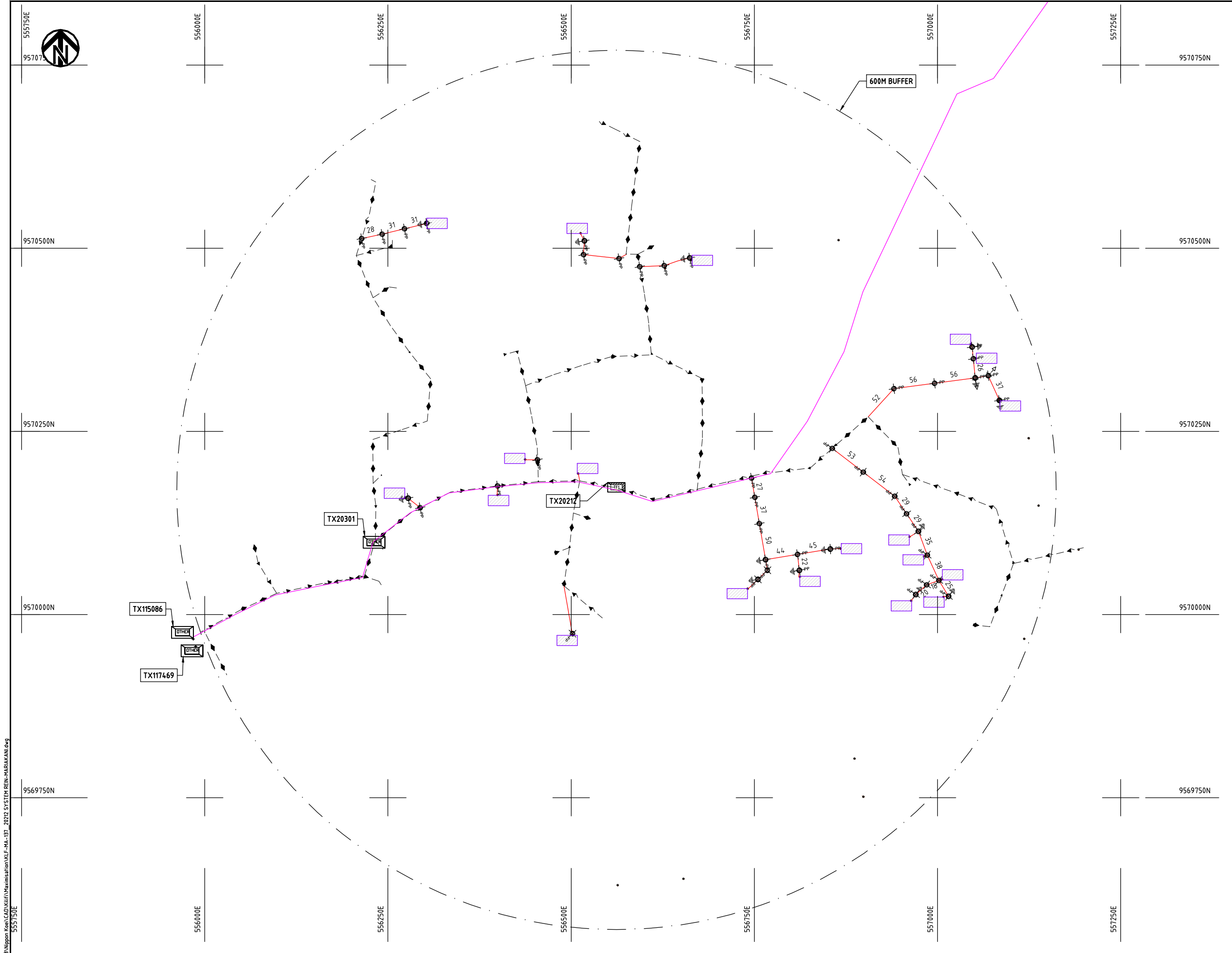
Y.TANAKA

DATE

10th SEP 2018



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-136_20724_KAPTUKU STELLA KATWA KOKOTONI.dwg



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20212 - SYSTEM REIN MARIAKANI		KLF-MA-137	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





9586000N

9585750N

9585500N

9585250N

9585000N

558250E

558500E

558750E

559000E

559250E

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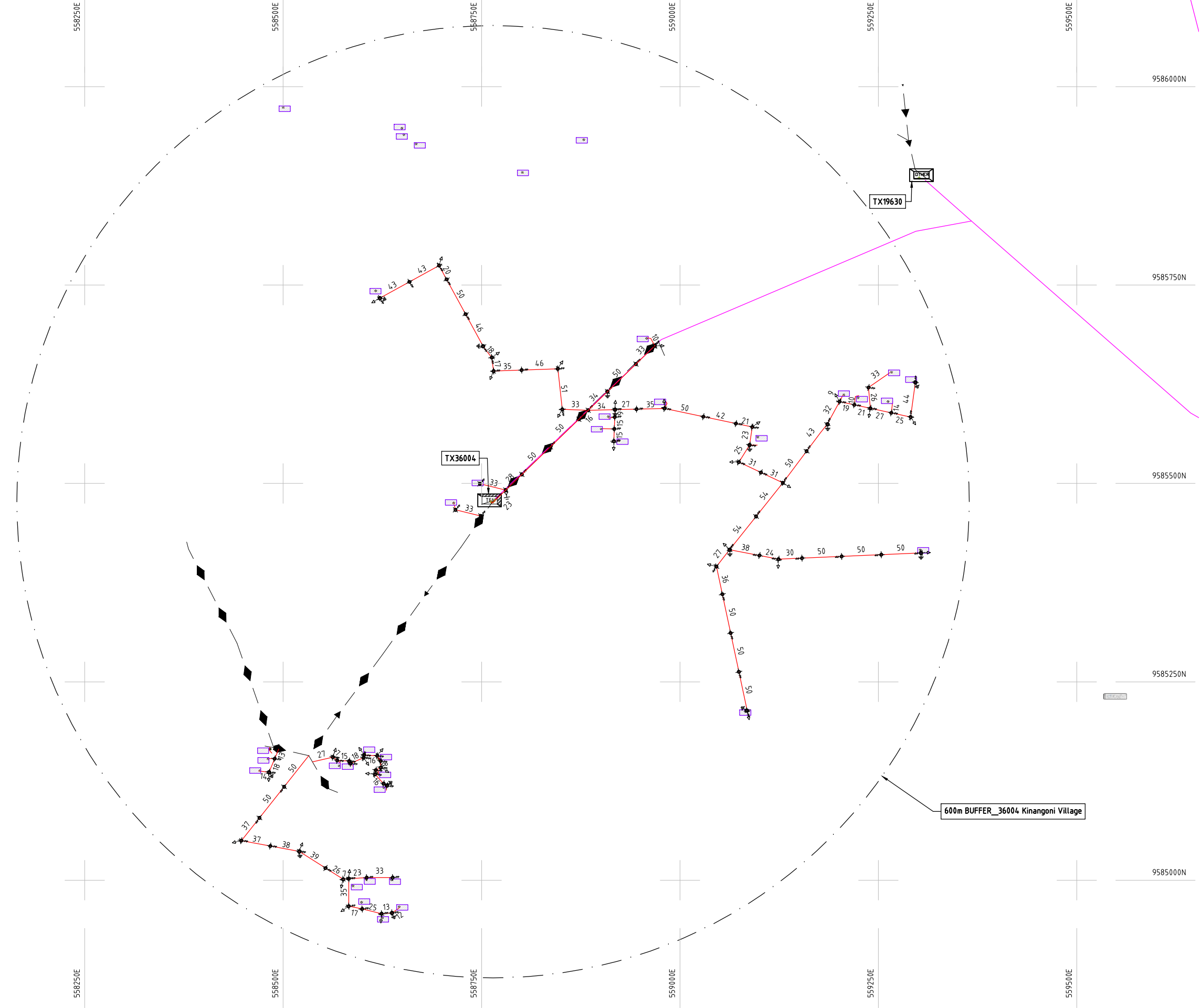
559500E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



600m BUFFER_36004 Kinangoni Village

SCALE 1:5000 (A3)

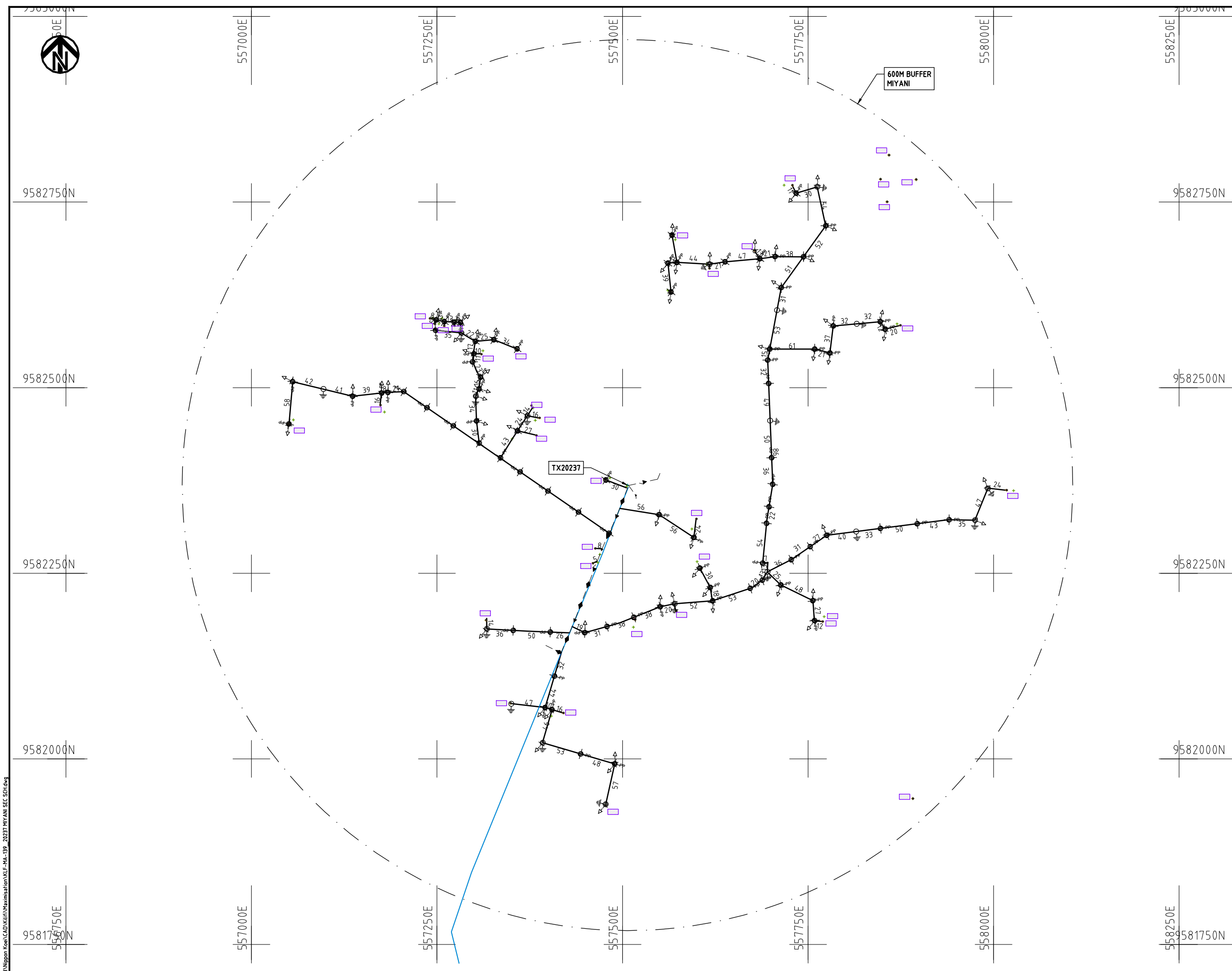
PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KILIFI
 SCHEME: MAXIMIZATION
 PROJECT SITE: 36004 KINAGONI VILLAGE GOTANI

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-138	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kilifi\Maximisation\KLF-MA-138_36004_Kinangoni_Village.dwg

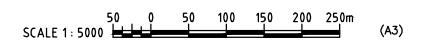


NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



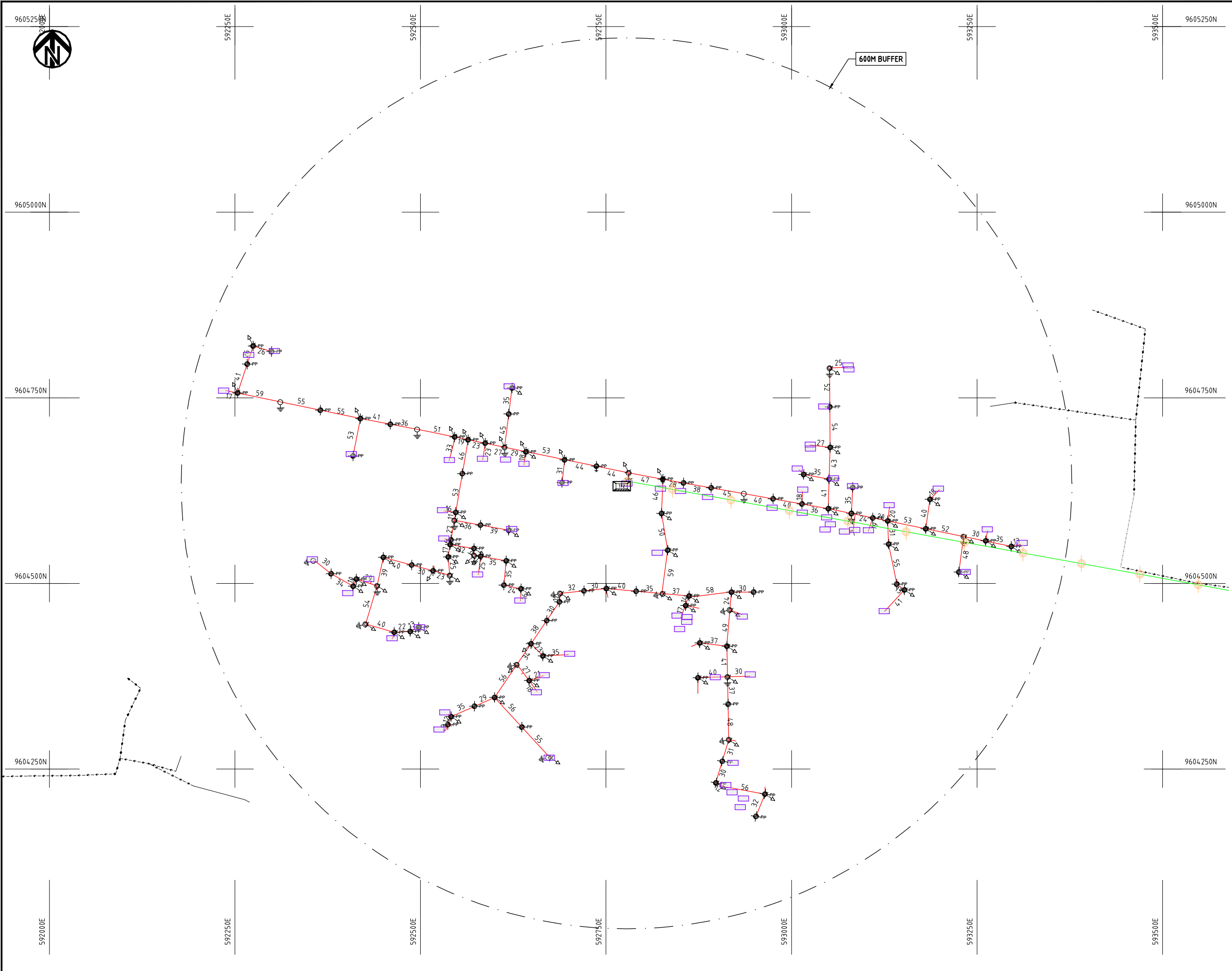
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20237 MIYANI SEC SCH		KLF-MA-139	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018

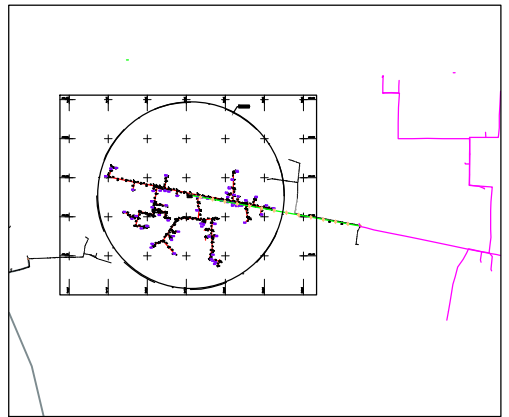


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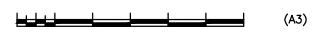
Extension and Maximization



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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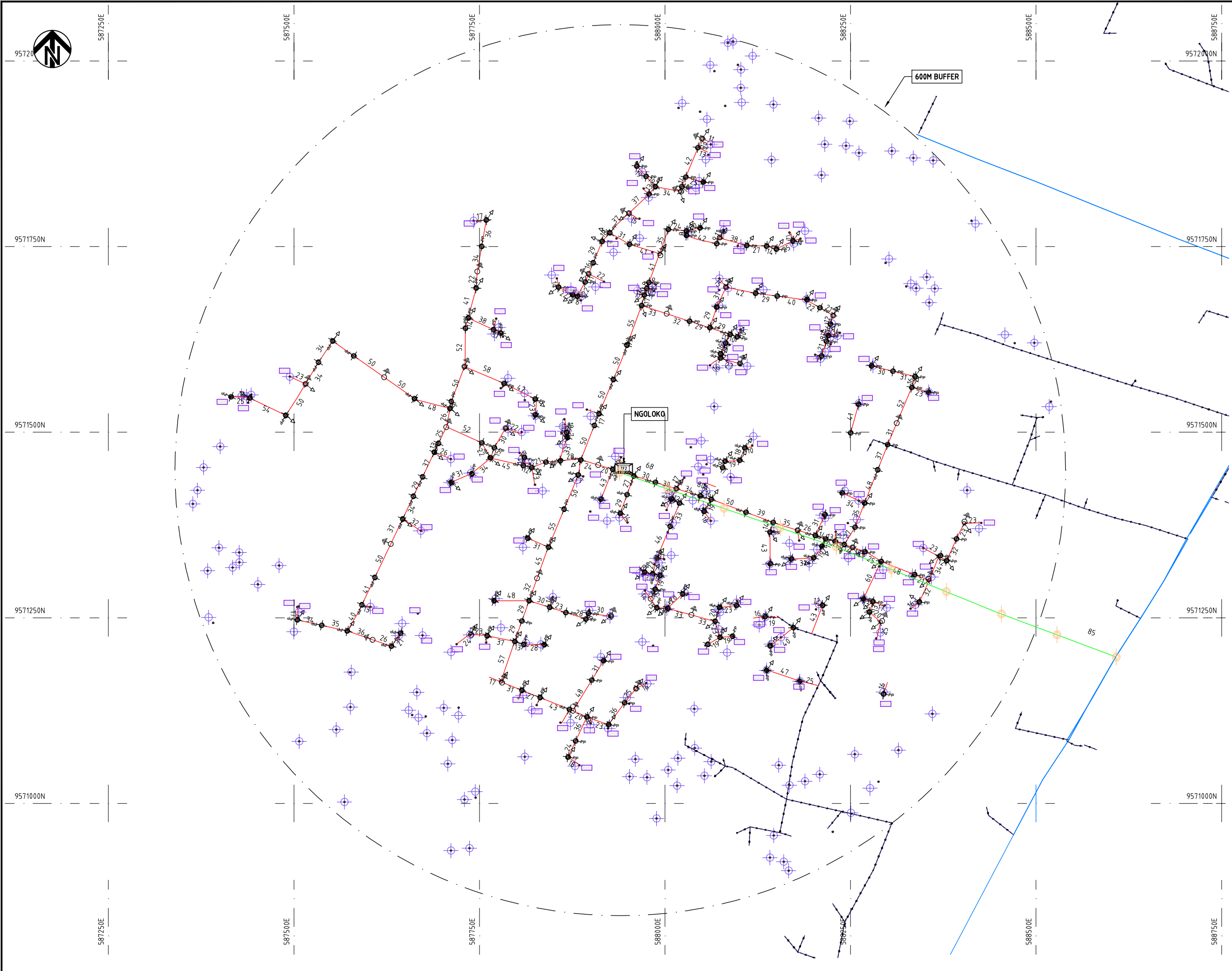


- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: EXTENSION PROJECT SITE: MKINGIRINI PRIMARY ENVI		KLF-EX-1	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





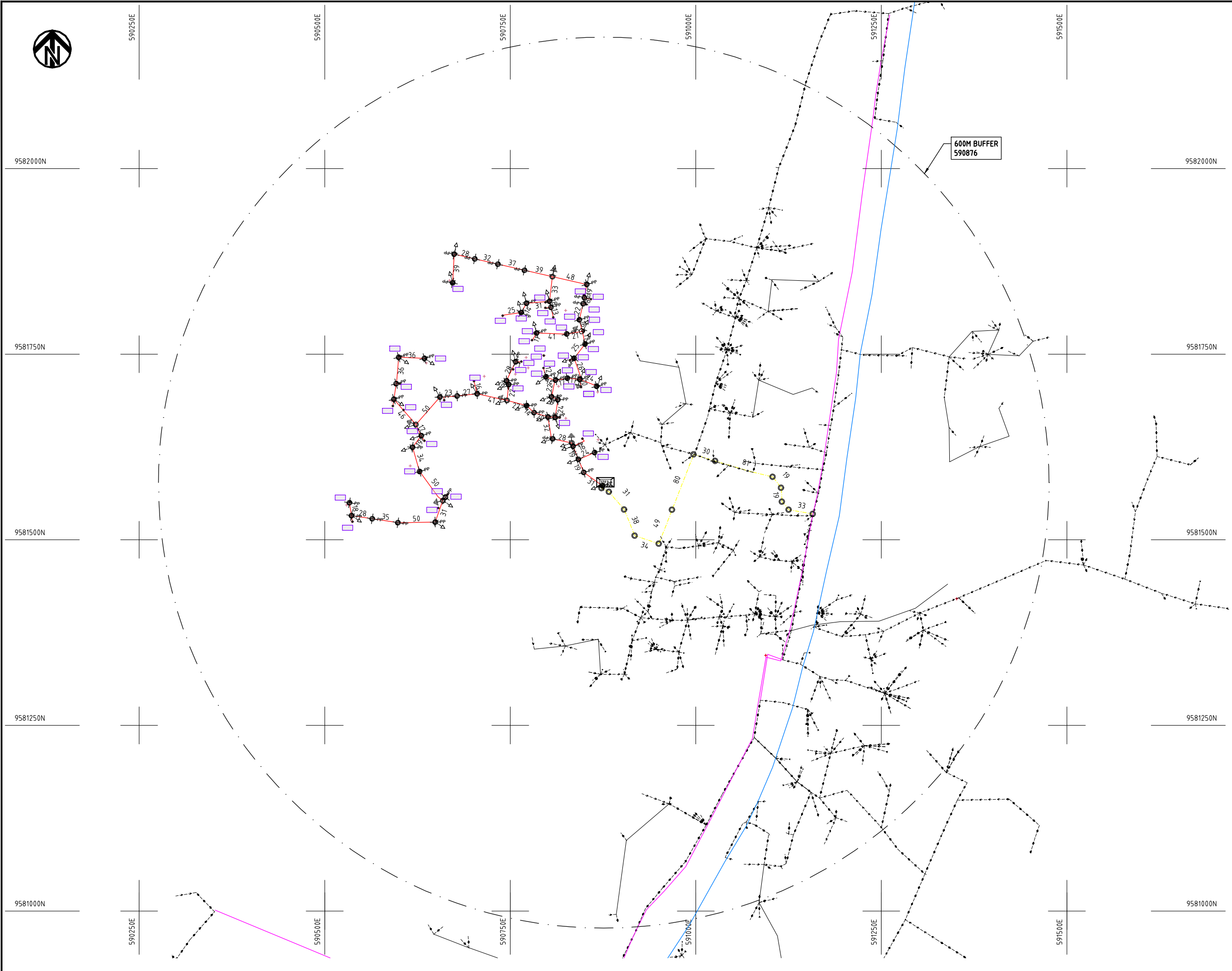
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY

Scale bar and drawing reference (A3)

PROJECT:	<p>THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA</p>	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
		COUNTY: KILIFI	PROJECT SITE: NGOLOKO VILLAGE		KLF-EX-2	CHECKED BY
		SCHEME: EXTENSION			APPROVED BY	Y.TANAKA
					DATE	10th SEP 2018





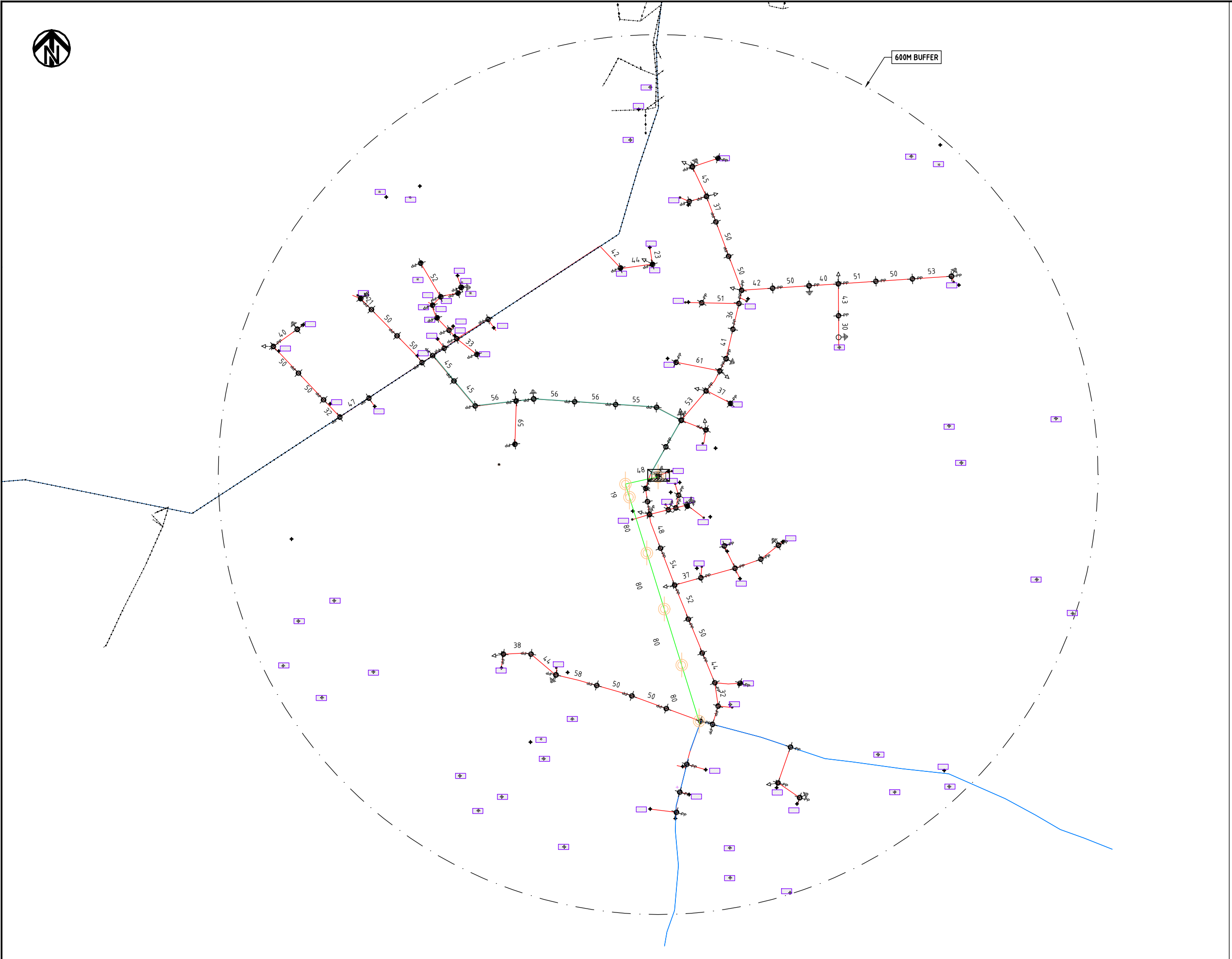
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT:	<p align="center">THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA</p>	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
		COUNTY: KILIFI	PROJECT SITE: SHARIANYI MAJENGO MAPYA		KLF-EX-3	CHECKED BY
					APPROVED BY	Y.TANAKA
					DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND:

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- Proposed 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT:	THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE COUNTY: KILIFI SCHEME: EXTENSION PROJECT SITE: KWA ABEID MWARAKAYA	DRAW. NO.	PREPARED BY	A.AKBAR
			KLF-EX-4	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





577250E

577500E

577750E

578000E

578250E

578500E

578750E

9585500N

9585250N

9585000N

9584750N

9584500N

9585500N

9585250N

9585000N

9584750N

9584500N

600M-BUFFER

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY

Scale bar and (A3)

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KILIFI
SCHEME: MAXIMIZATION
PROJECT SITE: KATIKIRIENYI VILLAGE CHONYI

DRAW. NO.

KLF-EX-5

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

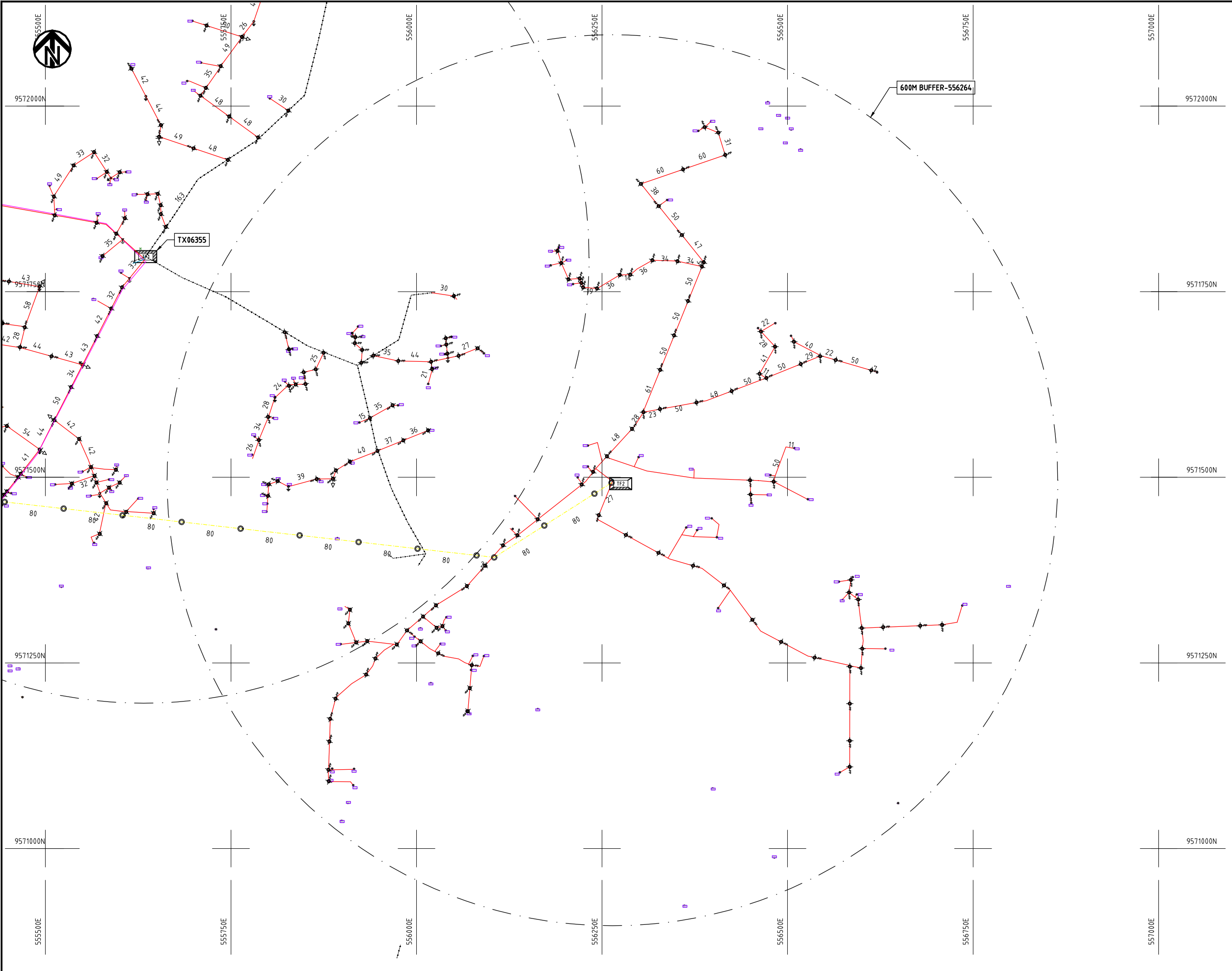
APPROVED BY

Y.TANAKA

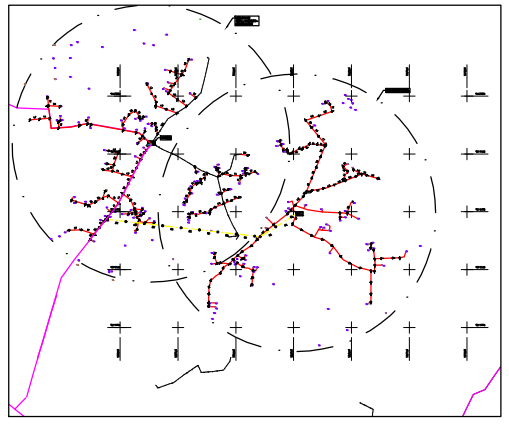
DATE

10th SEP 2018

NIPPON KOEI CO., LTD



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

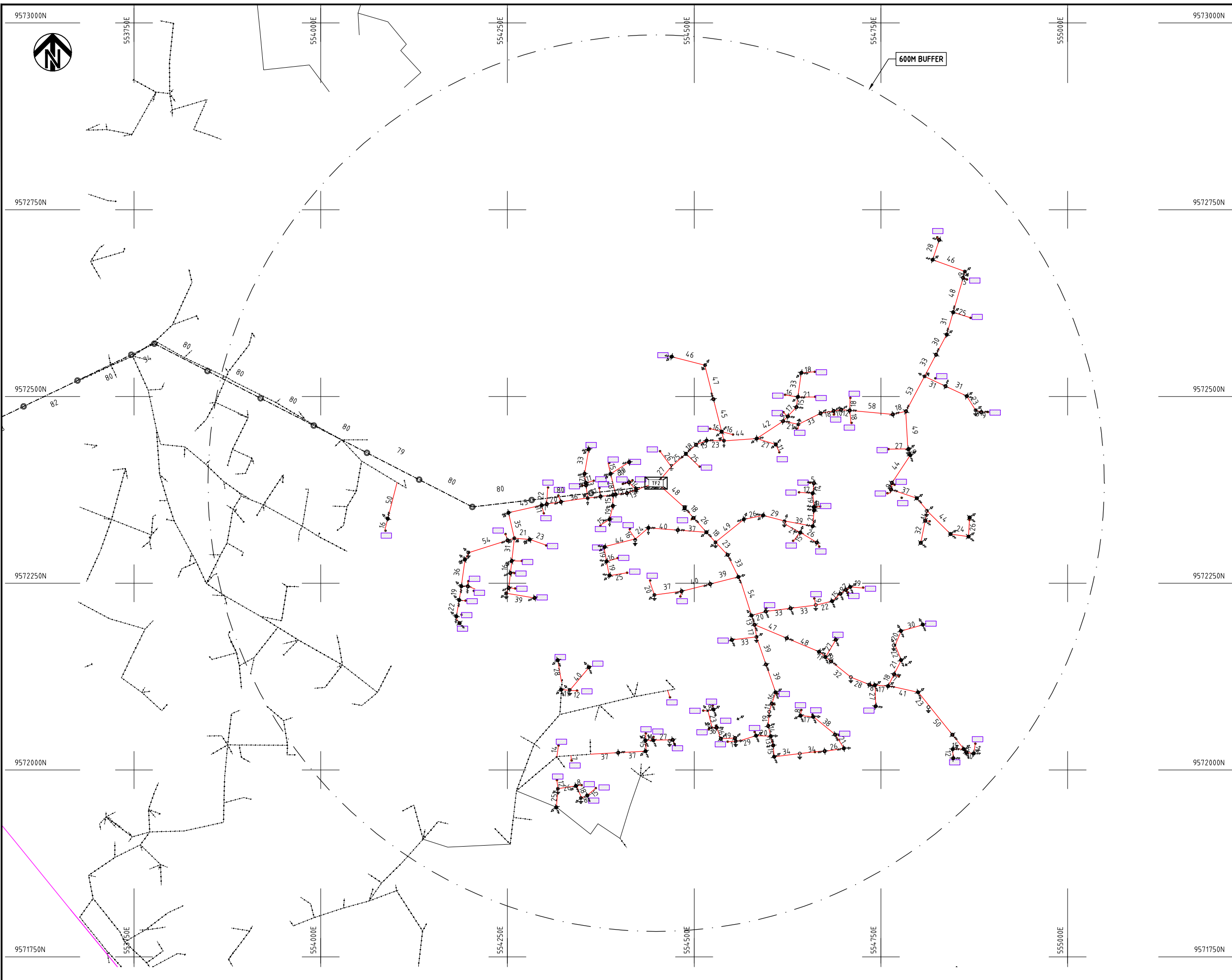


- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY

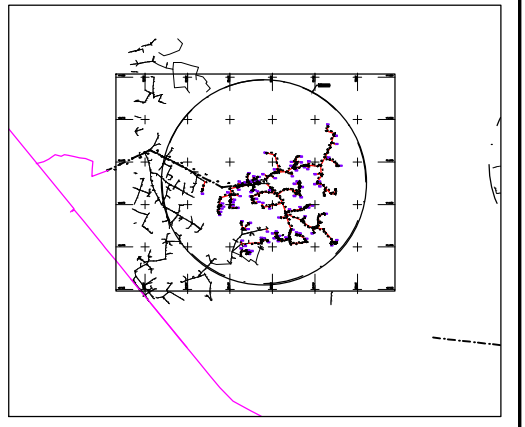


PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: EXTENSION PROJECT SITE: KWA CHIKOLOLO VILLAGE MARIAKANI		KLF-EX-6	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

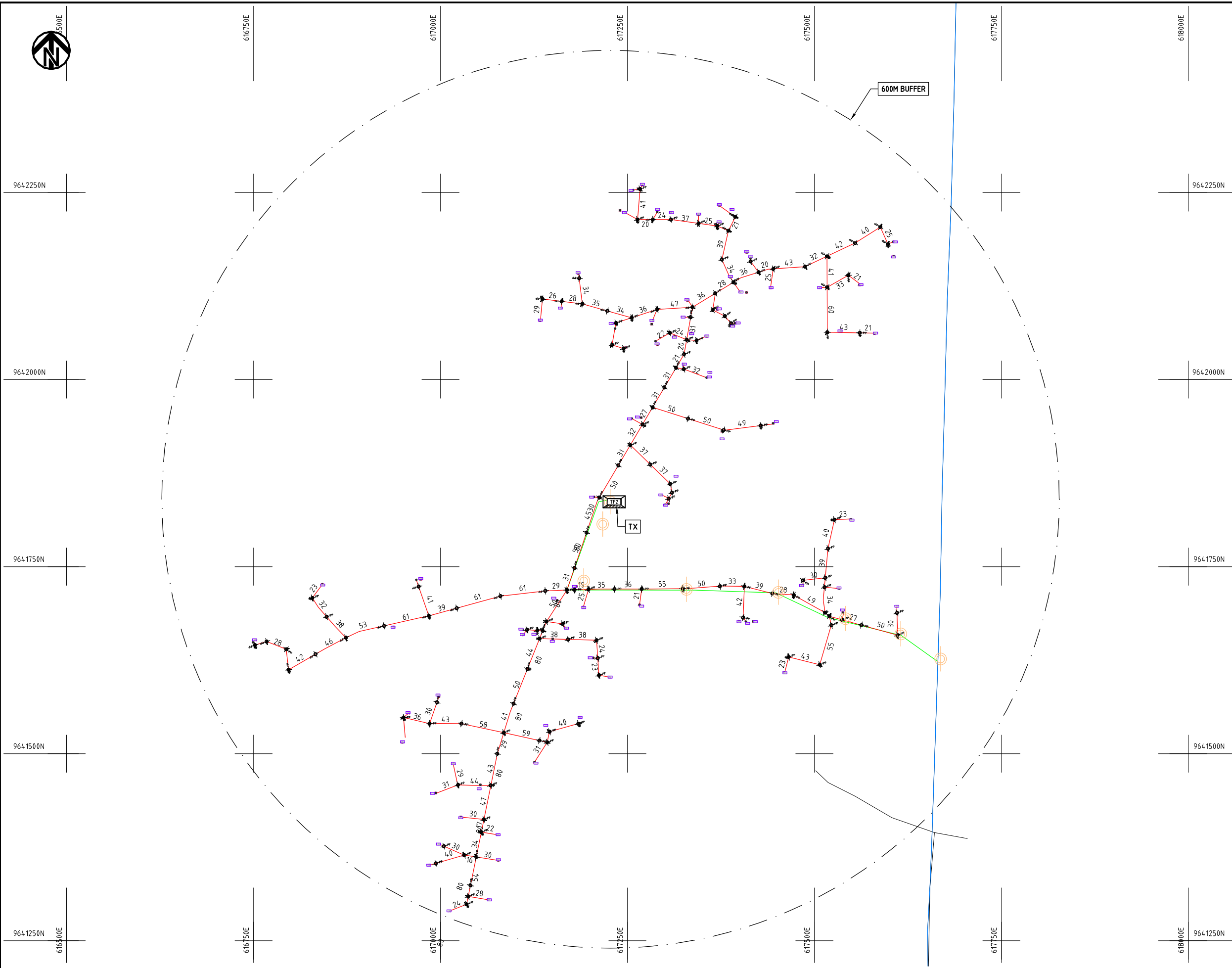


- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- PP WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES 12M
- CP CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT:	<p>THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA</p>	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
		COUNTY: KILIFI	Scheme: EXTENSION	KLF-EX-7	CHECKED BY	S.MAETA
	PROJECT SITE: MKWAJUNI VILLAGE MARIAKANI				APPROVED BY	Y.TANAKA
					DATE	10th SEP 2018





NOTES:

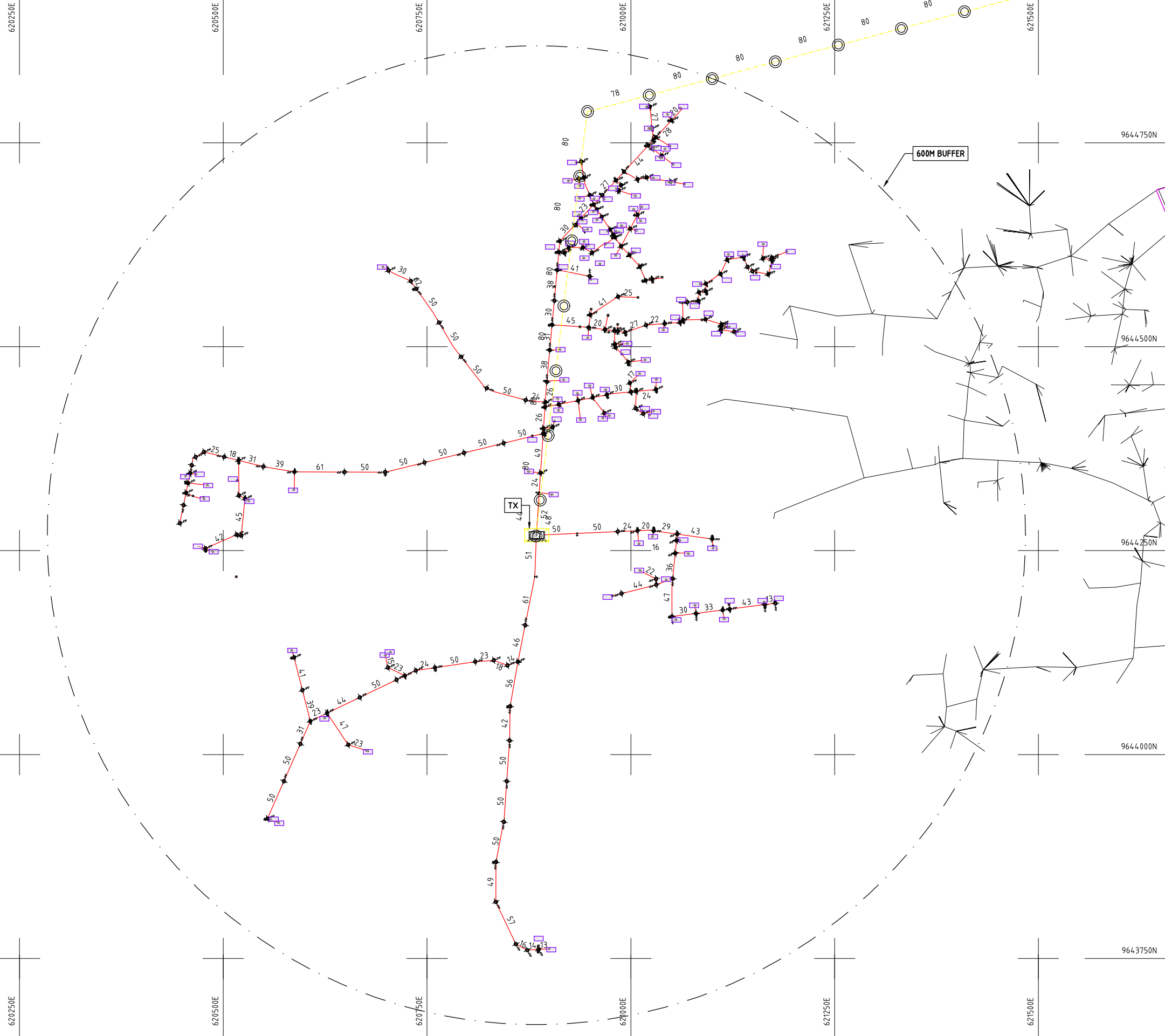
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



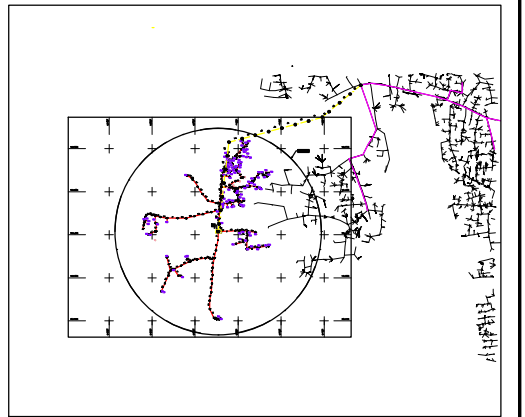
PROJECT:	THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE	DRAW. NO.	PREPARED BY	A.AKBAR
		COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: MSHONGOLENI JUNCTION	KLF-EX-8	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

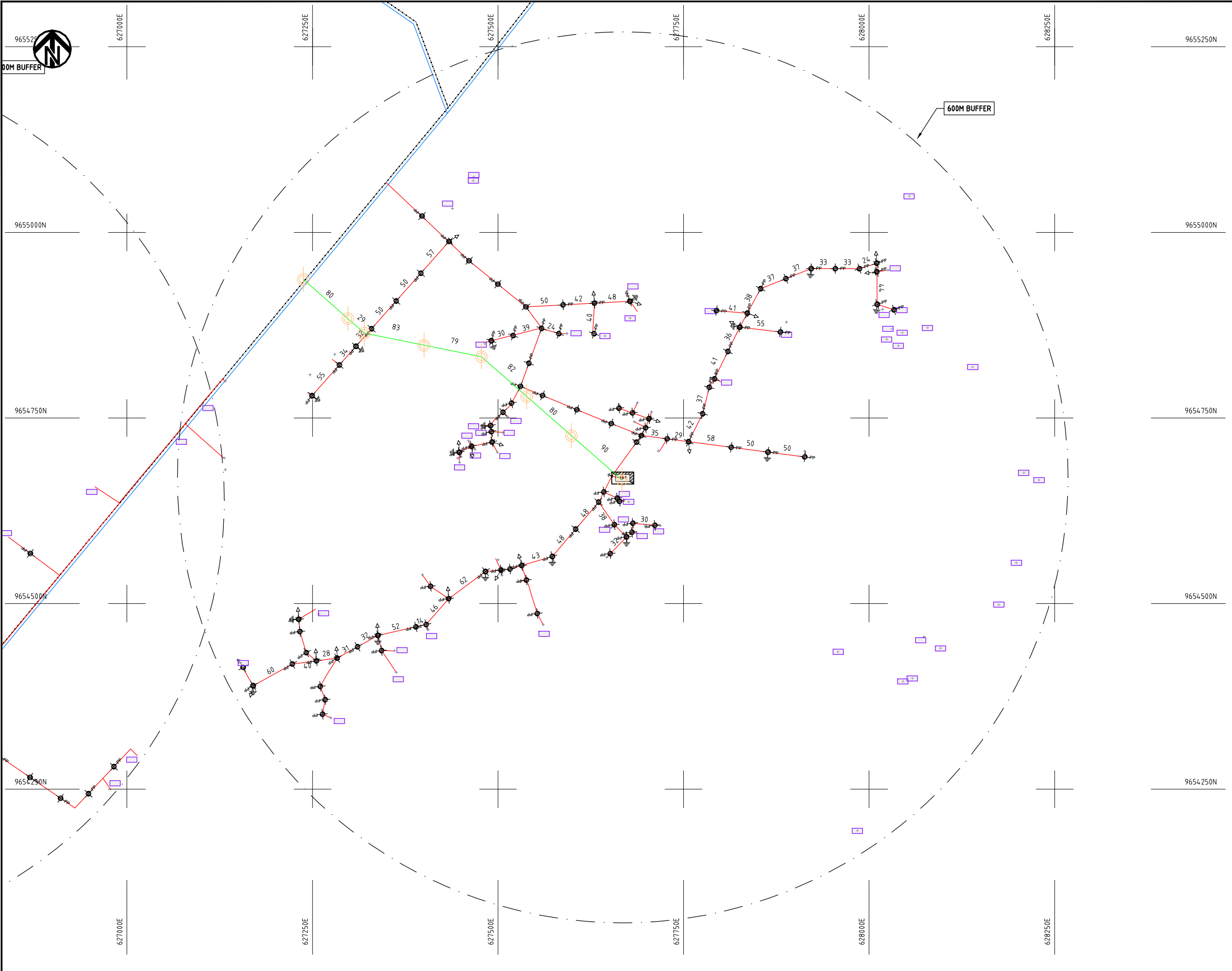


- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT:	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: GANDA VURUNZI		KLF-EX-9	CHECKED BY	S.MAETA
THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





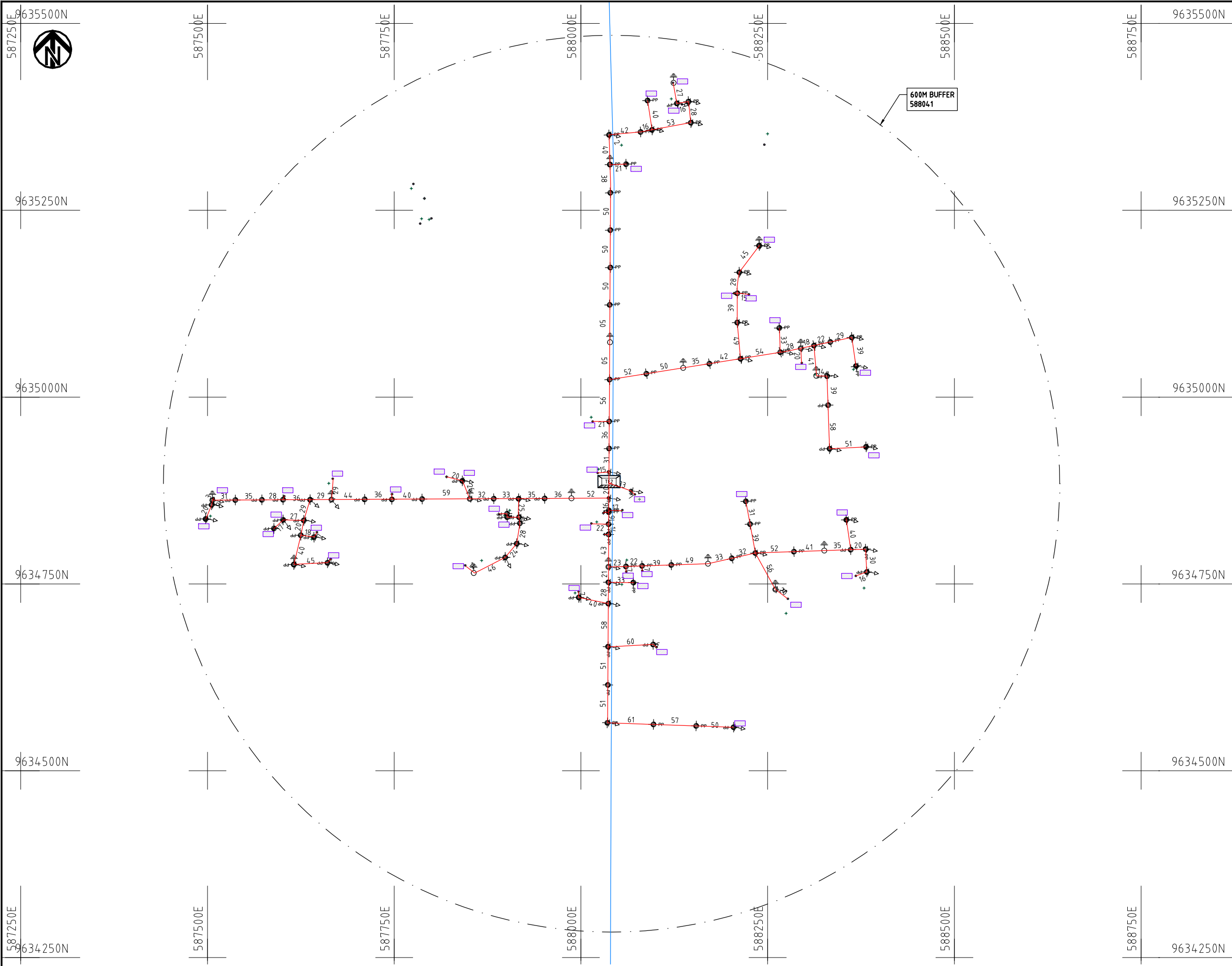
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: EXTENSION PROJECT SITE: MAMBRUI		KLF-EX-10	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





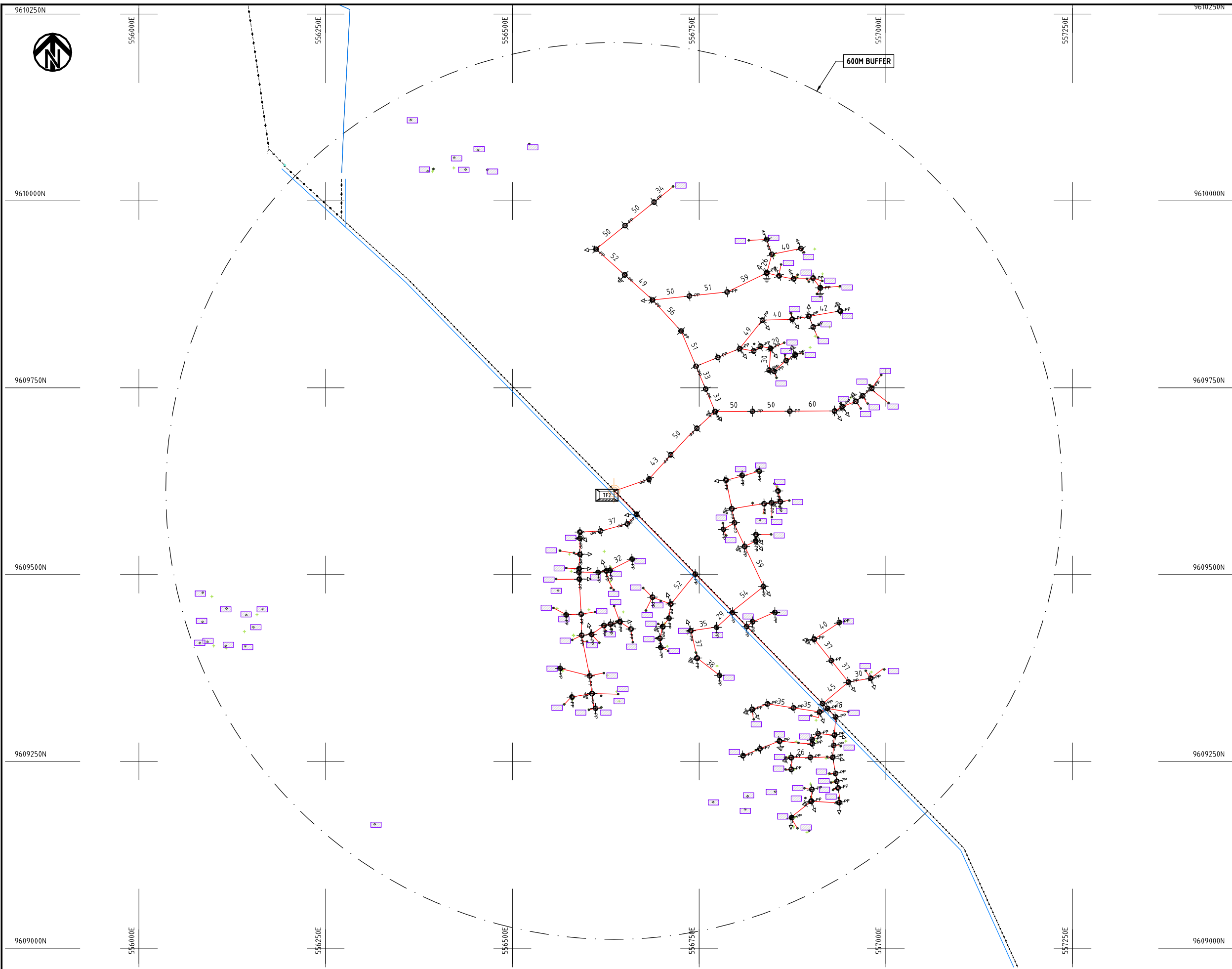
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES 12M
- CP CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT:	<p>THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA</p>	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
		<p>COUNTY: KILIFI SCHEME: EXTENSION PROJECT SITE: MITSUFINI VILLAGE</p>		KLF-EX-11	CHECKED BY	S.MAETA
					APPROVED BY	Y.TANAKA
					DATE	10th SEP 2018





NOTES:

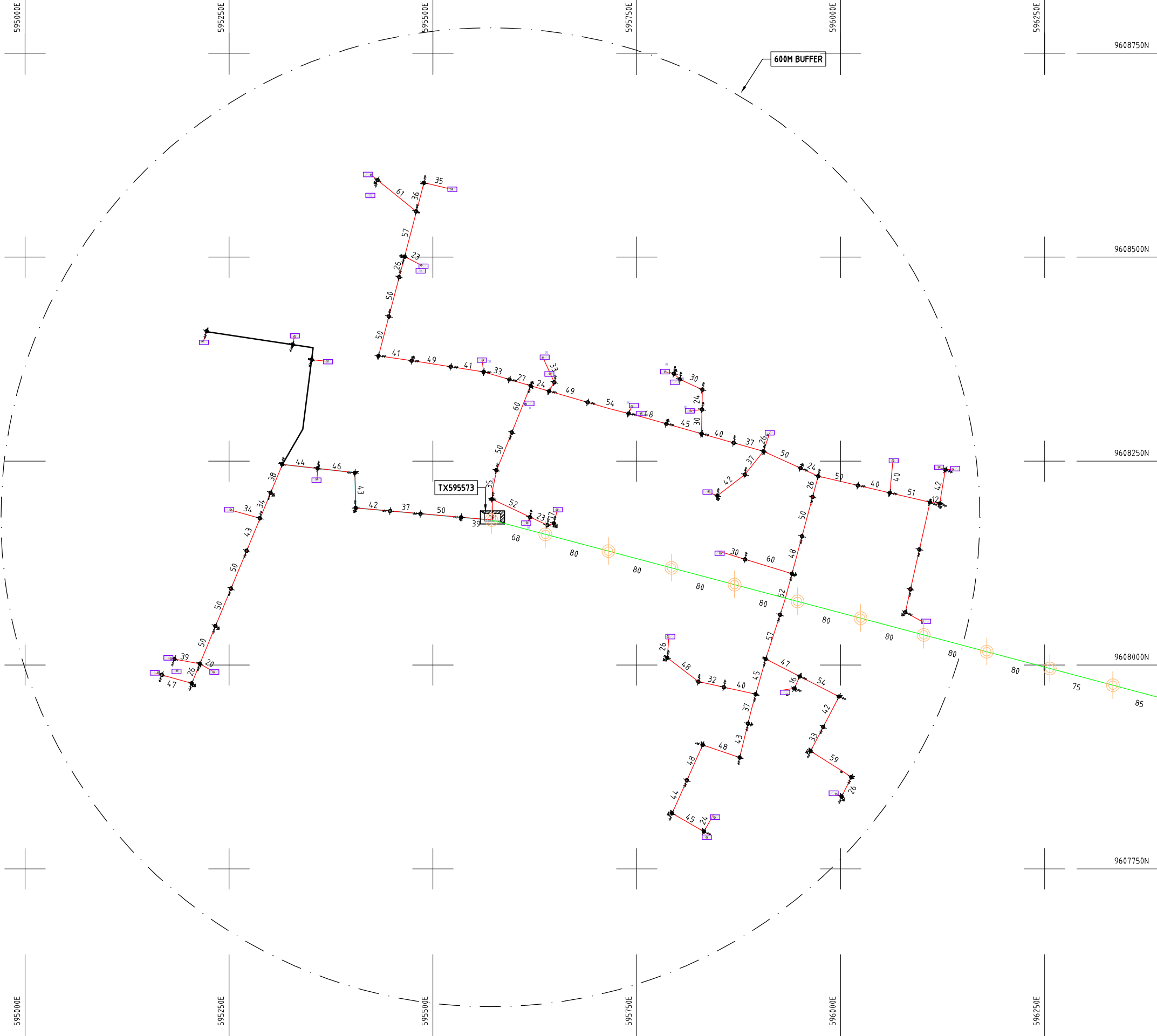
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY

(A3)

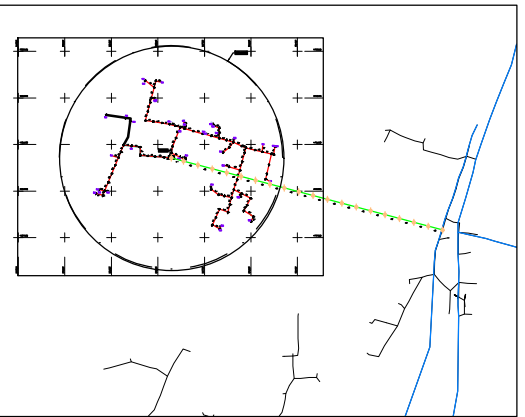
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: EXTENSION PROJECT SITE: MWENZAMOYO BAMBA		KLF-EX-12	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

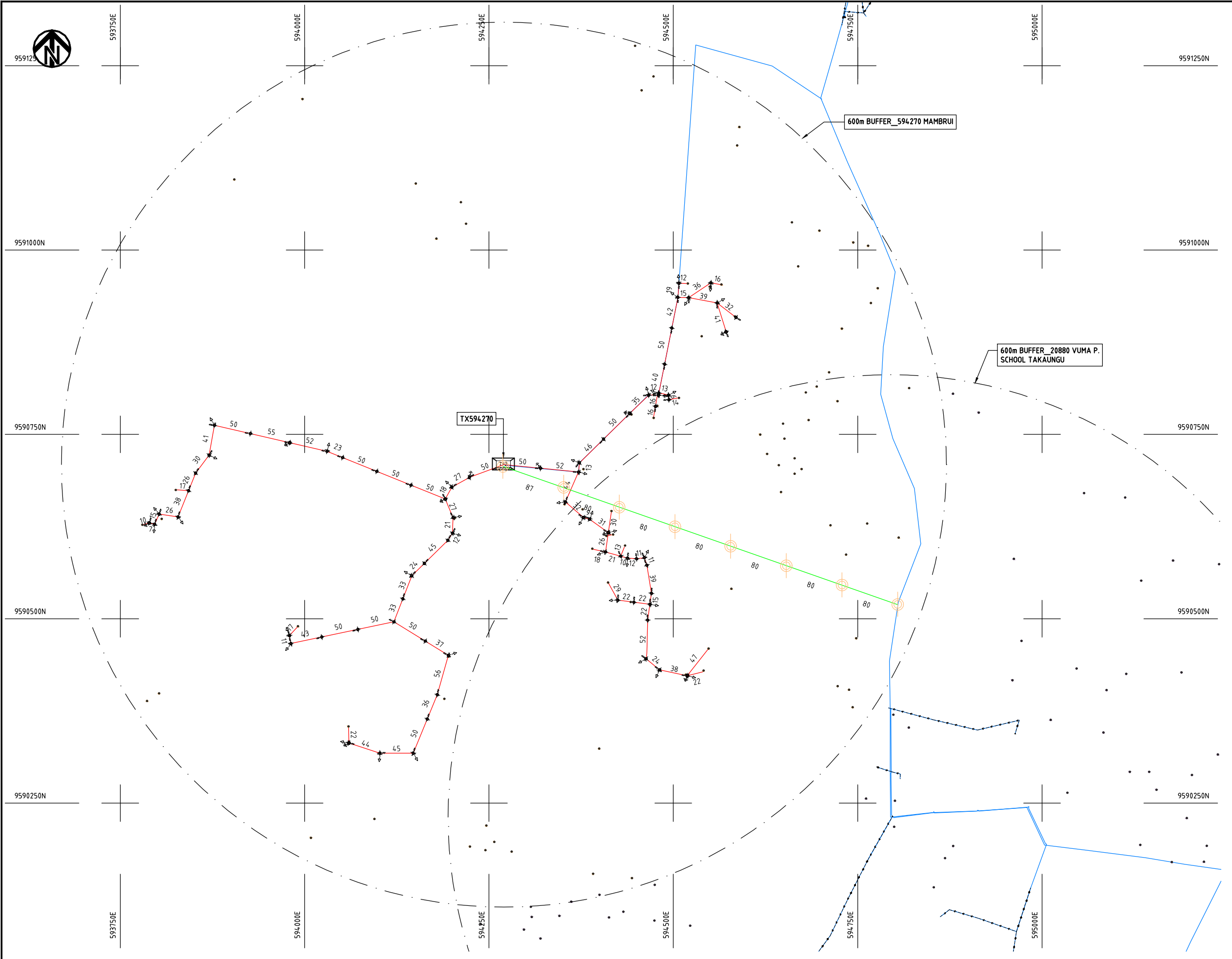


- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- Proposed 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT:	THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA		DRAWING TITLE	DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI	SCHEME: MAXIMIZATION			CHECKED BY	S.MAETA
	PROJECT SITE: KITUONI TEZO			APPROVED BY	Y.TANAKA	
				DATE	10th SEP 2018	





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

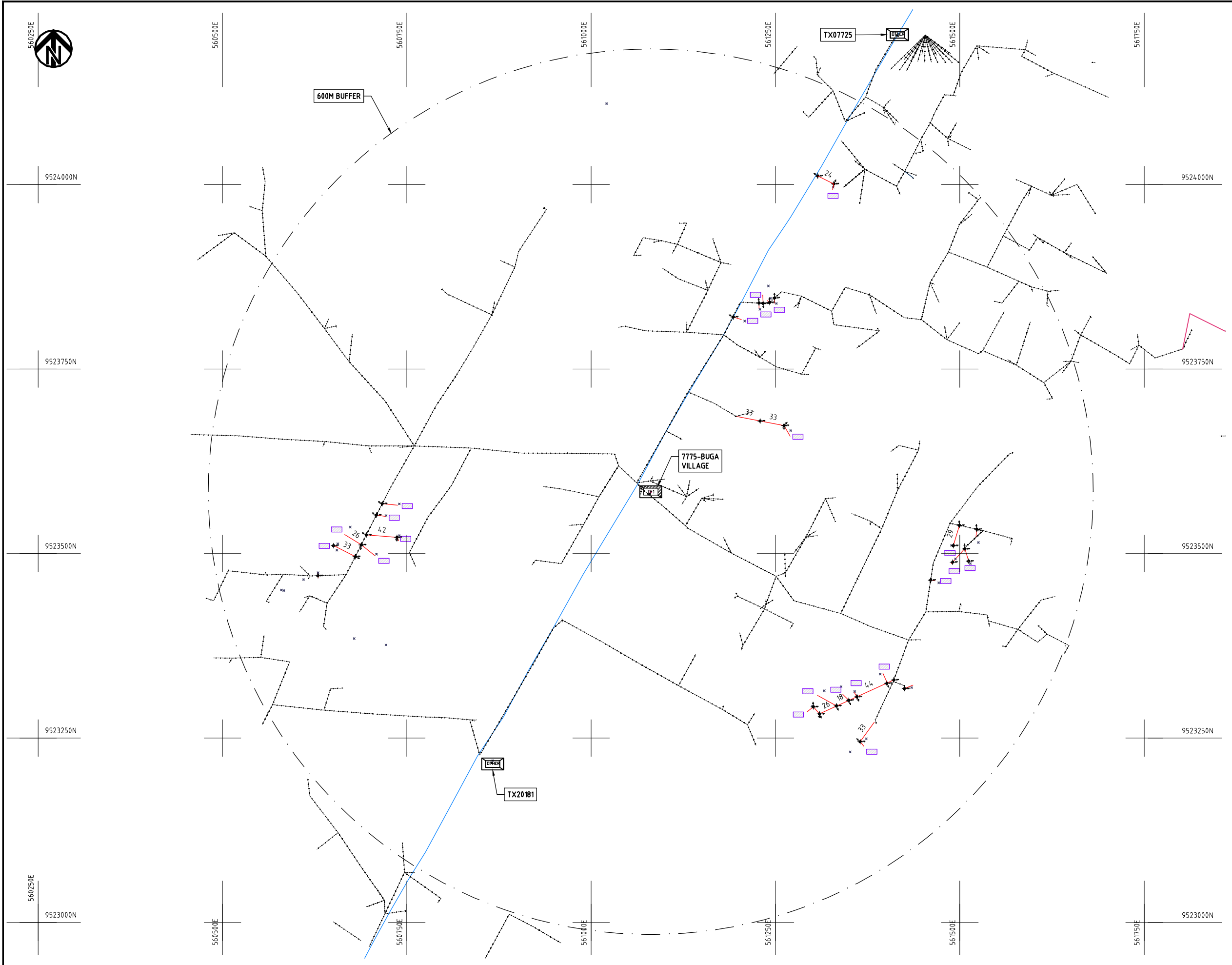
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: TAKAUNGU VUMA -KAYANDA VILLAGE	DRAW. NO. KLF-EX-14	PREPARED BY A.AKBAR CHECKED BY S.MAETA APPROVED BY Y.TANAKA DATE 10th SEP 2018	NIPPON KOEI CO., LTD
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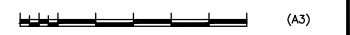
Maximization



NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

	HOUSEHOLDS/ BUILDINGS
	PROPOSED 11kV
	Proposed 33kV
	PROPOSED DISTRIBUTION LINE
	EXISTING 11kV LINE
	EXISTING 33kV LINE
	EXISTING DISTRIBUTION LINE
	MAXIMISATION TRANSFORMER
	EXTENSION TRANSFORMER
	WOODEN ELECTRIC POLES
	CONCRETE ELECTRIC POLES 12M
	CONCRETE ELECTRIC POLES 11M
	LV-EARTH
	PME -PROTECTIVE MULTIPLE EARTHING STAY

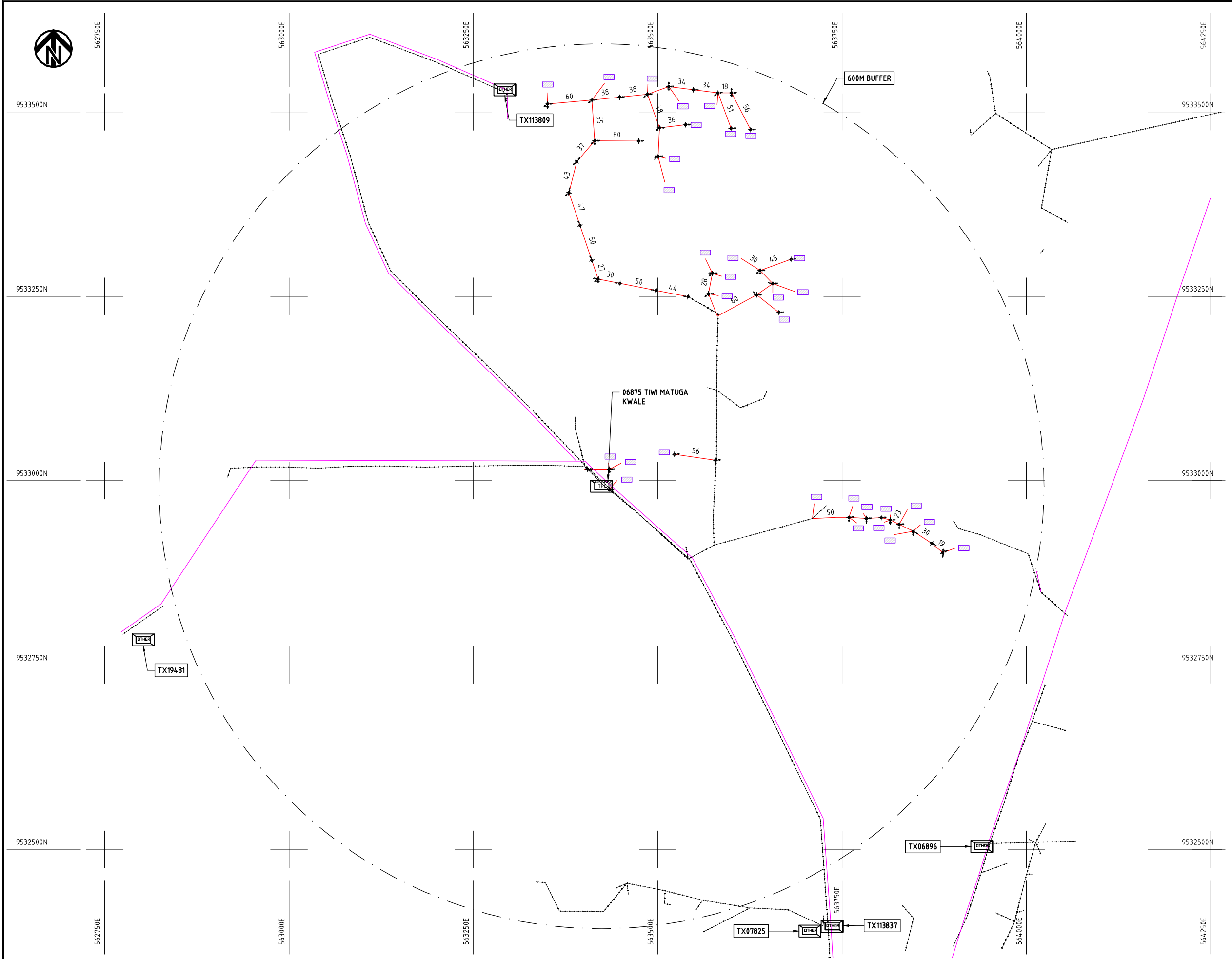


PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 7775 BUGA VILLAGE VUGA TSIMBA

DRAW. NO. KWL-MA-1
 PREPARED BY A.AKBAR
 CHECKED BY S.MAETA
 APPROVED BY Y.TANAKA
 DATE 10th SEP 2018

NIPPON KOEI CO., LTD



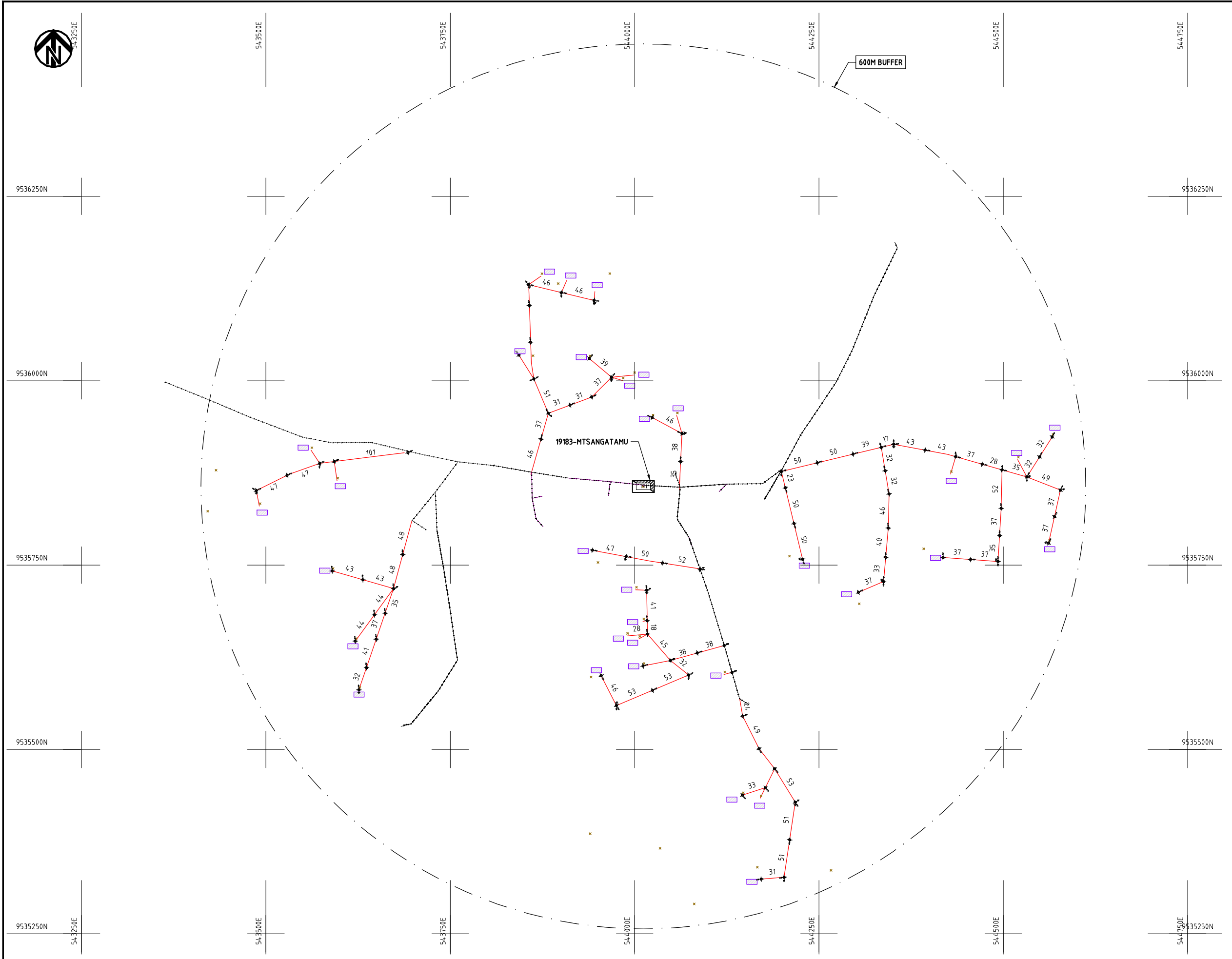
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- Proposed 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES 12M
- CP CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-2	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 06875 TIWI MATUGA KWALE			DATE	10th SEP 2018





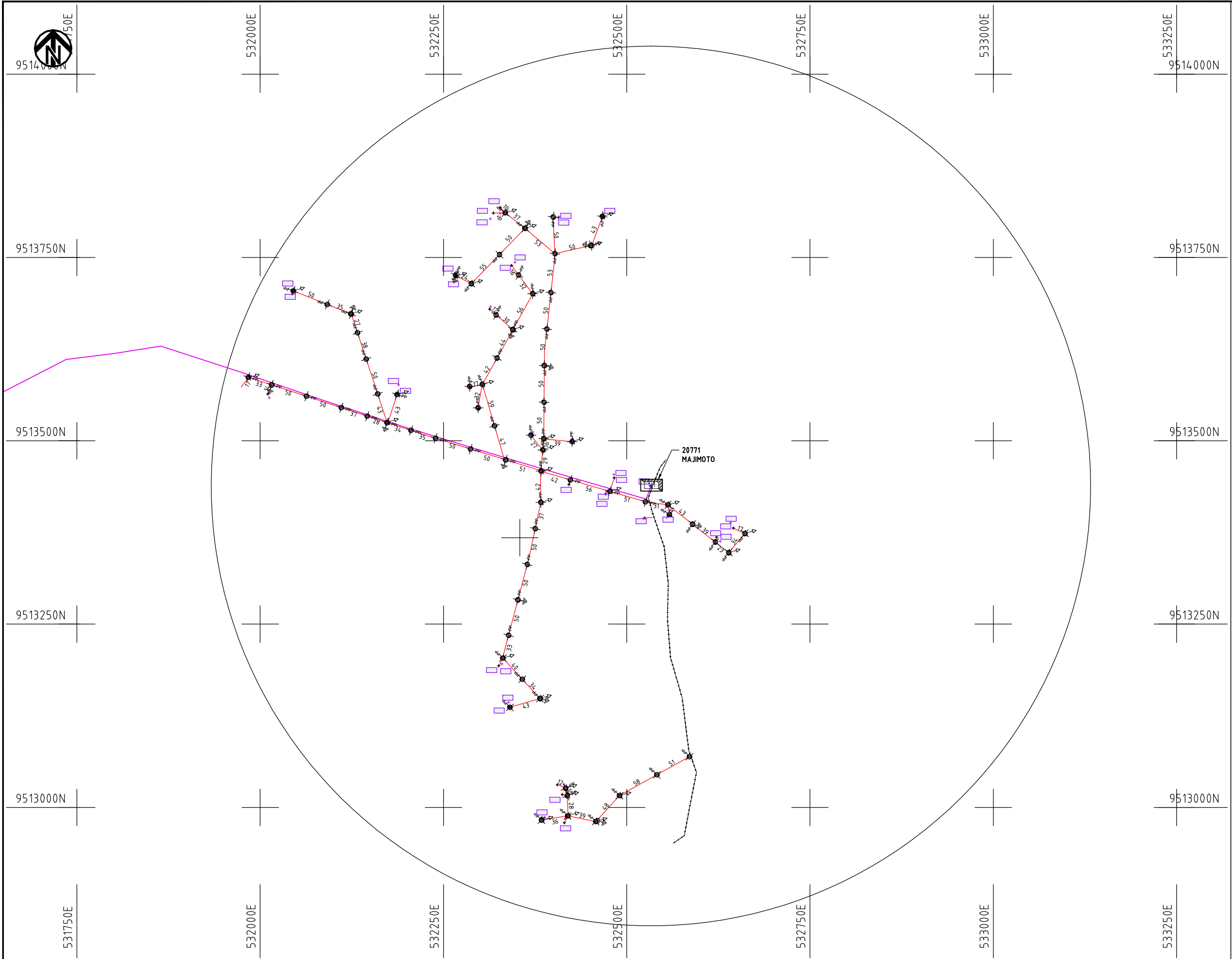
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

	HOUSEHOLDS/ BUILDINGS
	PROPOSED 11kV
	Proposed 33kV
	PROPOSED DISTRIBUTION LINE
	EXISTING 11kV LINE
	EXISTING 33kV LINE
	EXISTING DISTRIBUTION LINE
	MAXIMISATION TRANSFORMER
	EXTENSION TRANSFORMER
	WOODEN ELECTRIC POLES
	CONCRETE ELECTRIC POLES 12M
	CONCRETE ELECTRIC POLES 11M
	LV-EARTH
	PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-4	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 19183 MTSANGATAMU			DATE	10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

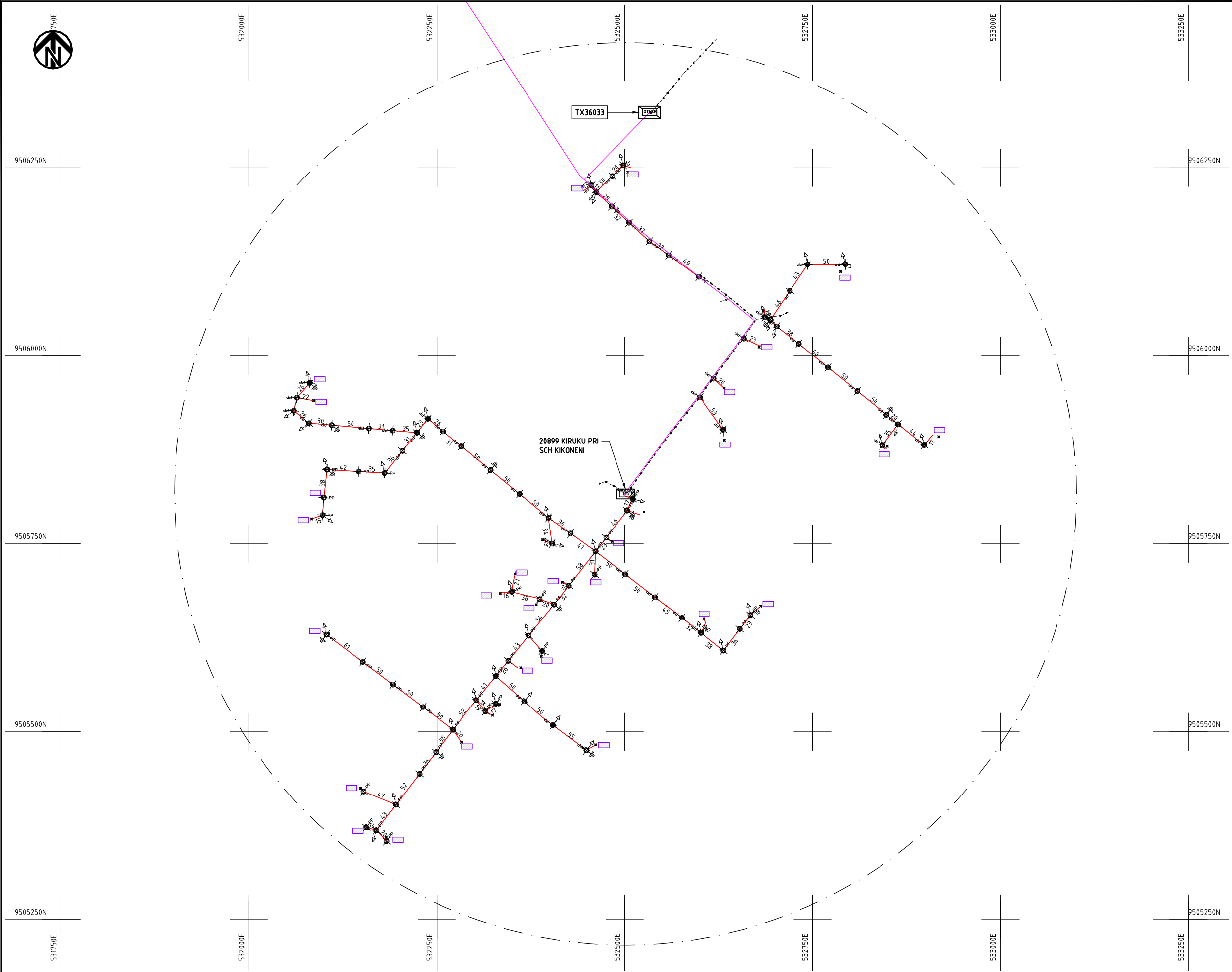
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- Proposed 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES 12M
- CP CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 20771 MAJIMOTO		KLF-MA-5	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018



(A3)



NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

	HOUSEHOLDS/ BUILDINGS
	PROPOSED 11kV
	Proposed 33kV
	PROPOSED DISTRIBUTION LINE
	EXISTING 11kV LINE
	EXISTING 33kV LINE
	EXISTING DISTRIBUTION LINE
	MAXIMISATION TRANSFORMER
	EXTENSION TRANSFORMER
	WOODEN ELECTRIC POLES
	CP CONCRETE ELECTRIC POLES 12M
	CP CONCRETE ELECTRIC POLES 11M
	LV-EARTH
	PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 20899-KIRUKU PRY SCH KIKONENI

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-6	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





502750E

503000E

503250E

503500E

503750E

504000E

504250E

9522500N

9522250N

9522000N

9521750N

9521500N

9522500N

9522250N

9522000N

9521750N

9521500N

600M BUFFER

104153-KALALANI

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- Proposed 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY

(A3)

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KWALE
SCHEME: MAXIMIZATION
PROJECT SITE: 104153-KALALANI

DRAW. NO.

KWL-MA-8

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

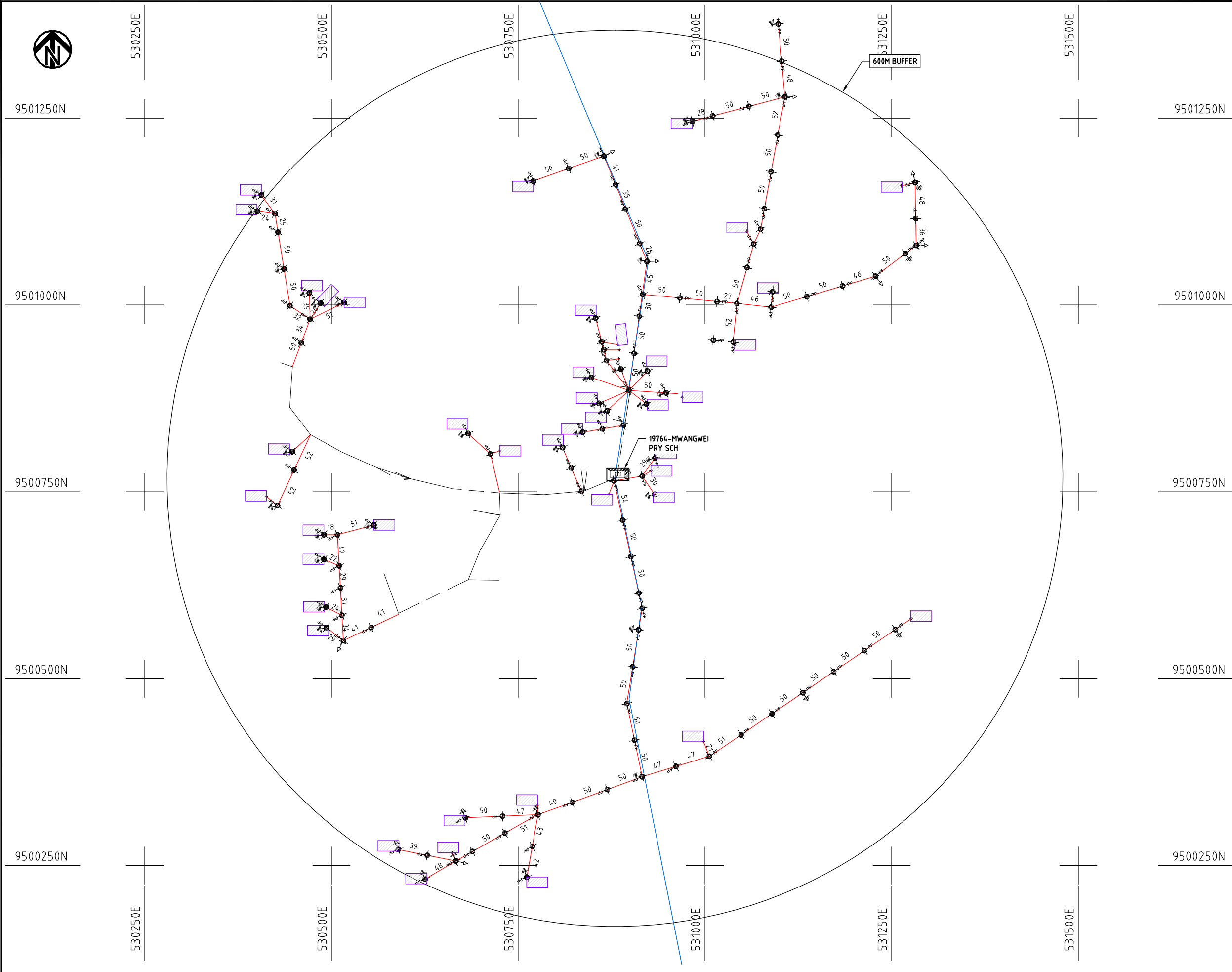
APPROVED BY

Y.TANAKA

DATE

10th SEP 2018

NIPPON KOEI CO., LTD



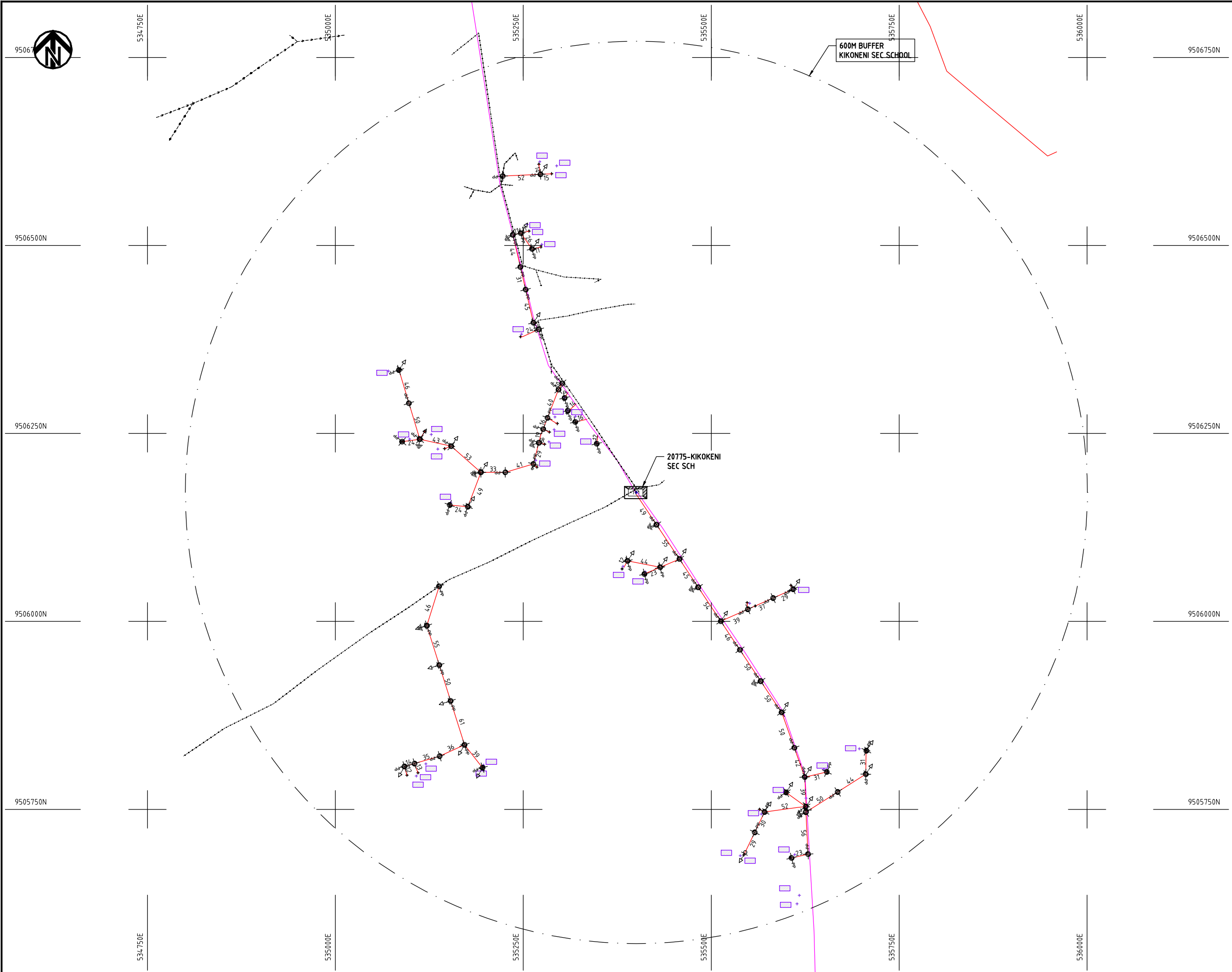
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

	HOUSEHOLDS/ BUILDINGS
	PROPOSED 11kV
	Proposed 33kV
	PROPOSED DISTRIBUTION LINE
	EXISTING 11kV LINE
	EXISTING 33kV LINE
	EXISTING DISTRIBUTION LINE
	MAXIMISATION TRANSFORMER
	EXTENSION TRANSFORMER
	WOODEN ELECTRIC POLES
	CONCRETE ELECTRIC POLES 12M
	CONCRETE ELECTRIC POLES 11M
	LV-EARTH
	PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-9	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 19764 - MWANGWEI PRY SCH			DATE	10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- Proposed 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE

COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 20775 KIKONENI SEC SCH

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-010	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





9496250N

518750E

519000E

519250E

519500E

519750E

520000E

9496250N

9496000N

9496000N

9495750N

9495750N

9495500N

9495500N

9495250N

9495250N

518750E

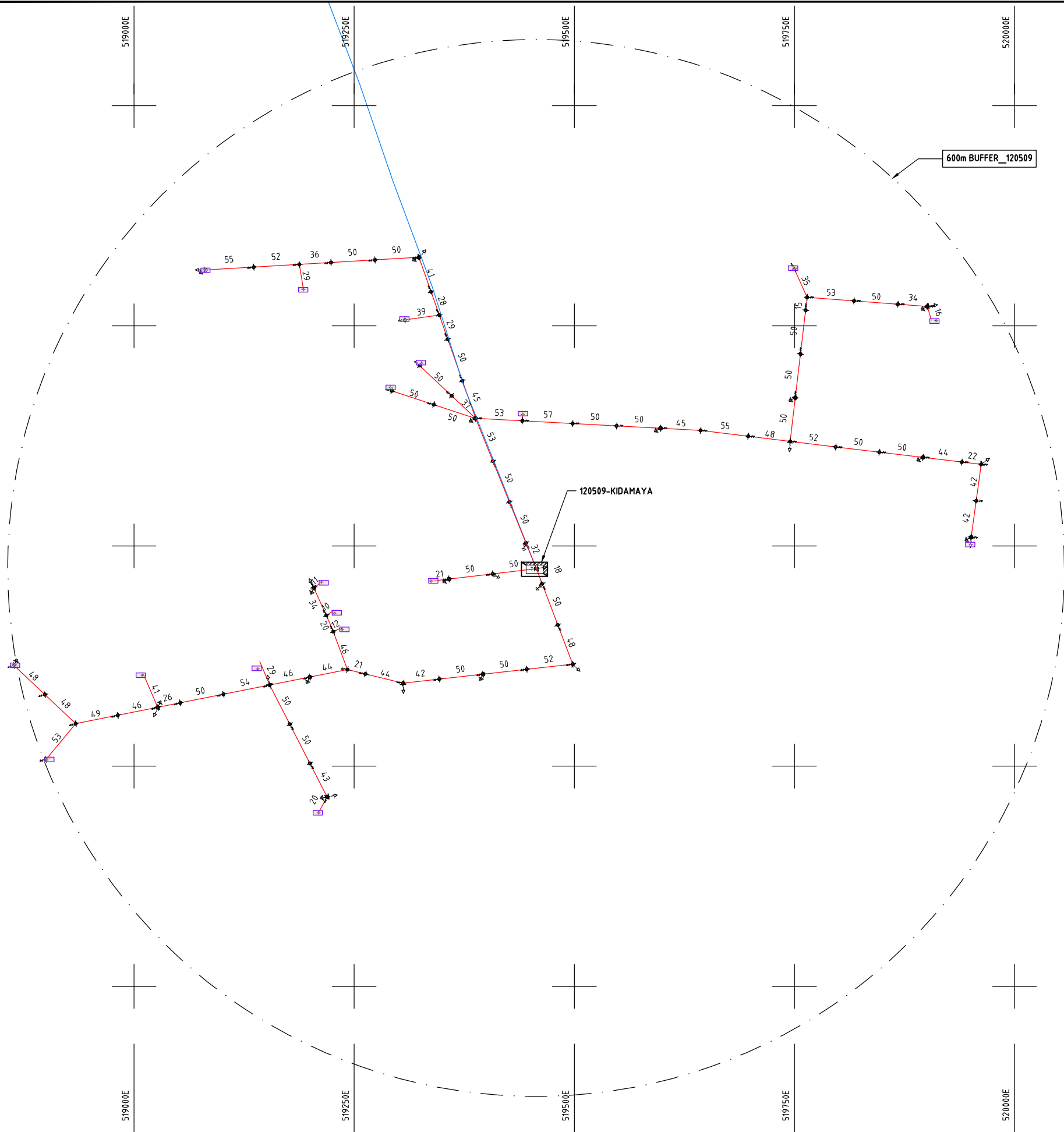
519000E

519250E

519500E

519750E

520000E



NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- Proposed 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES 12M
- CP CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY

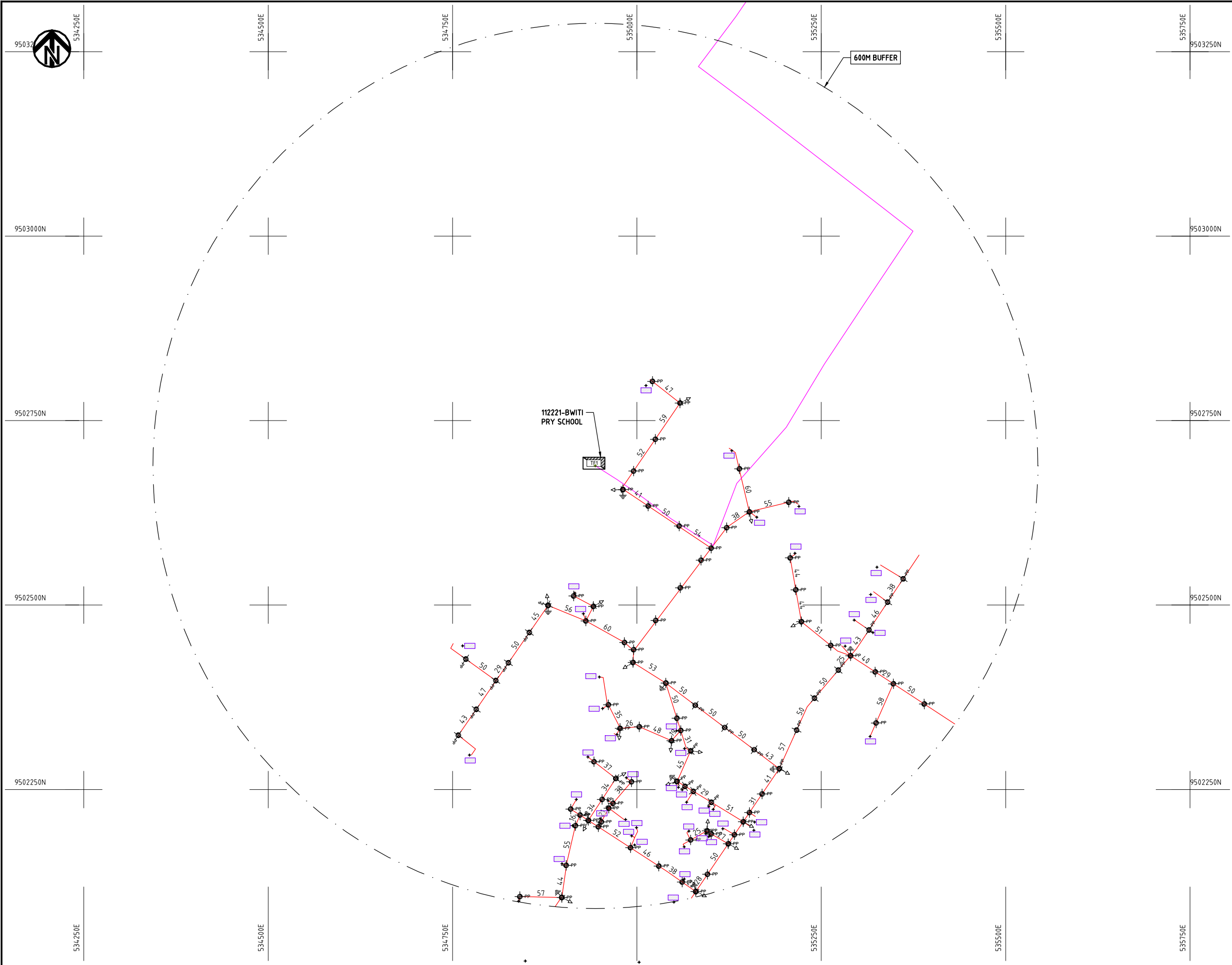


PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 120509 KIDAMAYA

DRAW. NO.	PREPARED BY	A.AKBAR
	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





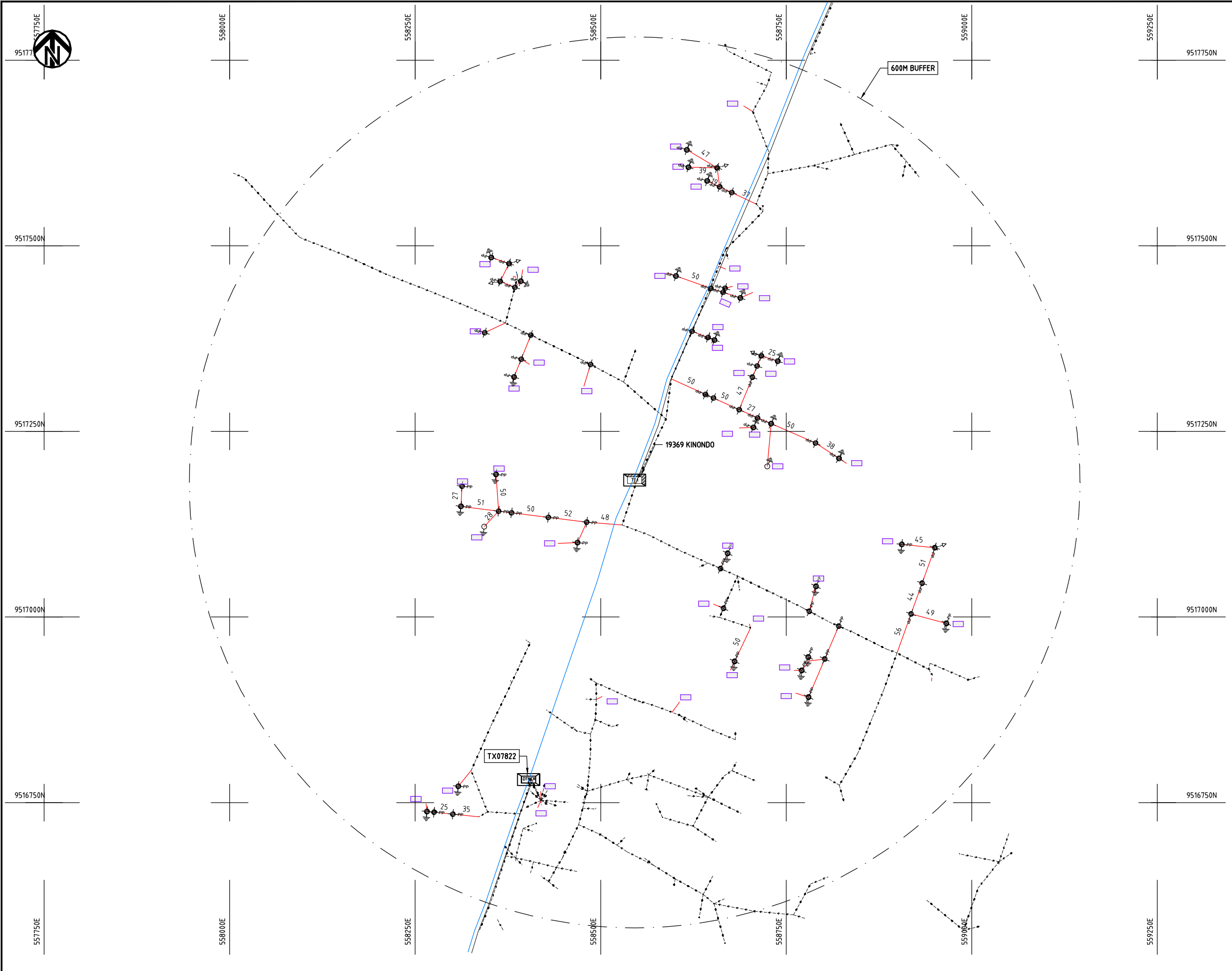
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
			COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 112221-BWITI PRY SCHOOL	KLF-MA-13	CHECKED BY
	APPROVED BY	Y.TANAKA			
	DATE	10th SEP 2018			





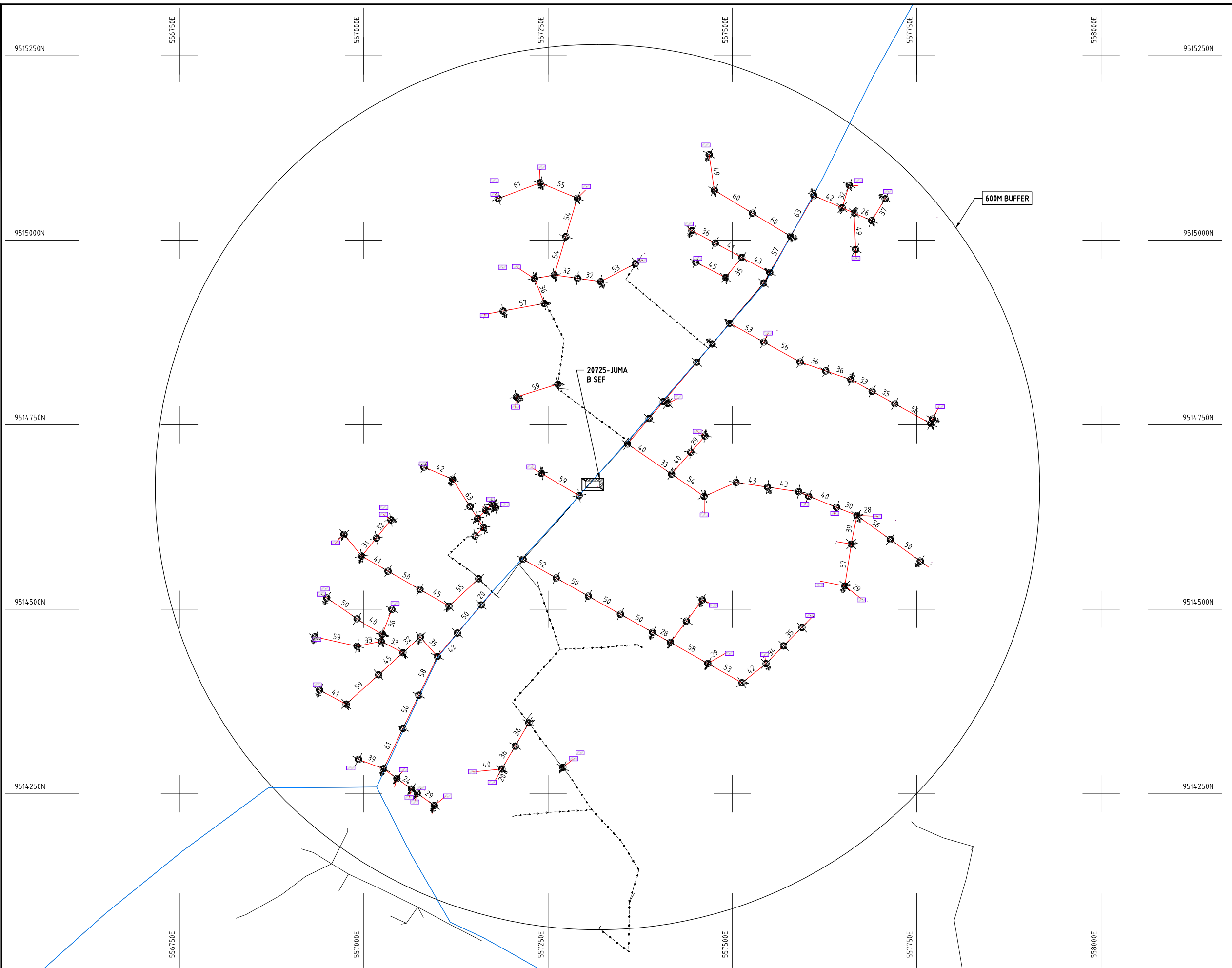
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.














- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY

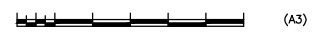


PROJECT:	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 19369 - KINONDO		KWL-MA-15	CHECKED BY	S.MAETA
THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





-  HOUSEHOLDS/ BUILDINGS
-  PROPOSED DISTRIBUTION LINE
-  EXISTING 11kV LINE
-  EXISTING 33kV LINE
-  EXISTING DISTRIBUTION LINE
-  MAXIMISATION TRANSFORMER
-  EXTENSION TRANSFORMER
-  OTHER EXISTING TRANSFORMER
-  WOODEN ELECTRIC POLES
-  CP CONCRETE ELECTRIC POLES
-  LV-EARTH
-  PME -PROTECTIVE MULTIPLE EARTHING STAY
- 



PROJECT:	THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE	DRAW. NO.	PREPARED BY	A.AKBAR
		COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 20725 JUMA B SEF	KWL-MA-16	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





545250E

545500E

545750E

546000E

546250E

546500E

546750E

9507250N

9507250N

9507000N

9507000N

9506750N

9506750N

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545250E

545500E

545750E

546000E

546250E

546500E













546750E

600M BUFFER

107366-KIZUMBZAN

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

-  HOUSEHOLDS/ BUILDINGS
-  PROPOSED DISTRIBUTION LINE
-  EXISTING 11kV LINE
-  EXISTING 33kV LINE
-  EXISTING DISTRIBUTION LINE
-  MAXIMISATION TRANSFORMER
-  EXTENSION TRANSFORMER
-  OTHER EXISTING TRANSFORMER
-  WOODEN ELECTRIC POLES
-  CONCRETE ELECTRIC POLES
-  LV-EARTH
-  PME -PROTECTIVE MULTIPLE EARTHING STAY

(A3)

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KWALE
SCHEME: MAXIMIZATION
PROJECT SITE: 107366 KIZUMBZAN

DRAW. NO.

KLF-MA-17

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

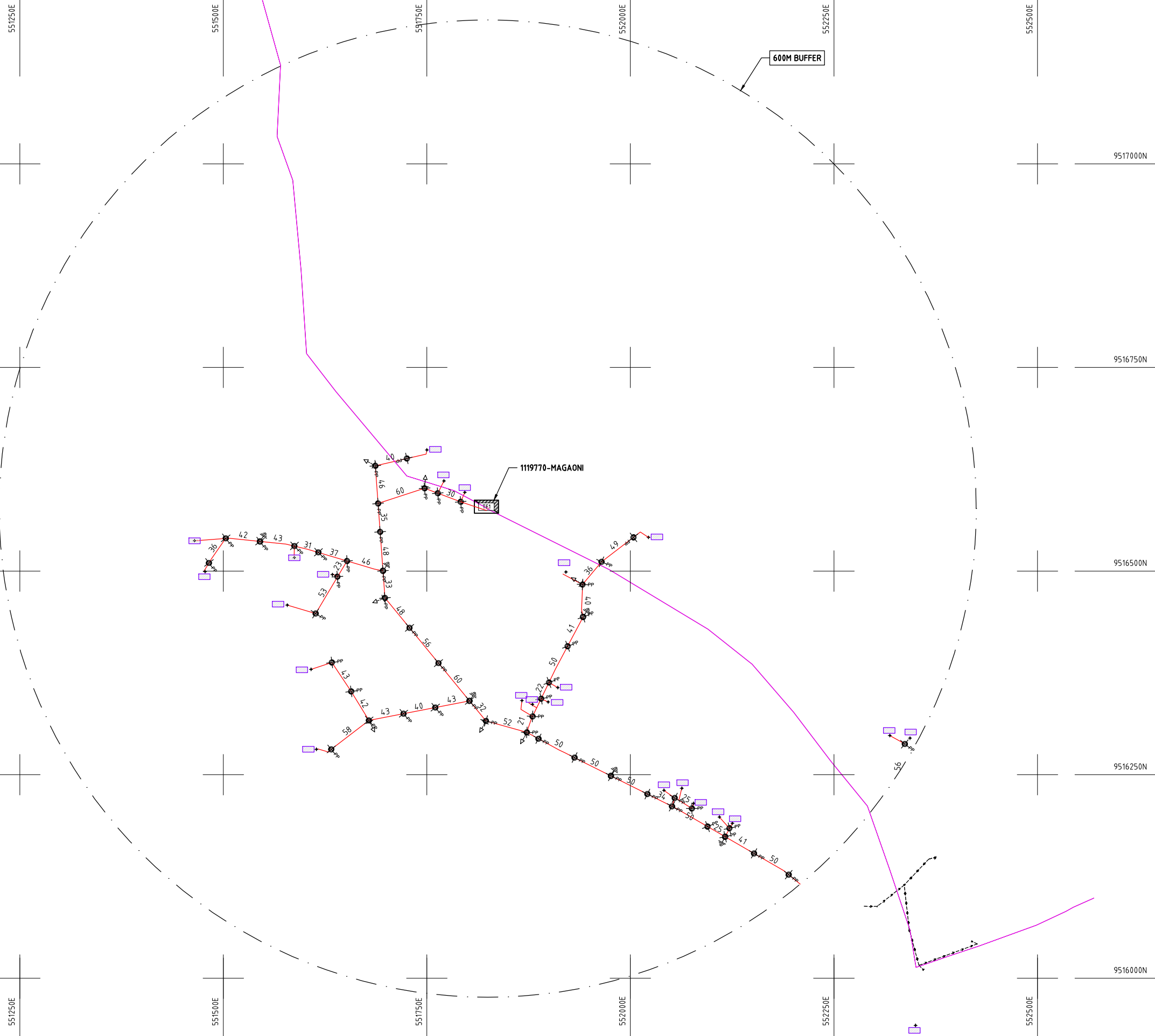
APPROVED BY

Y.TANAKA

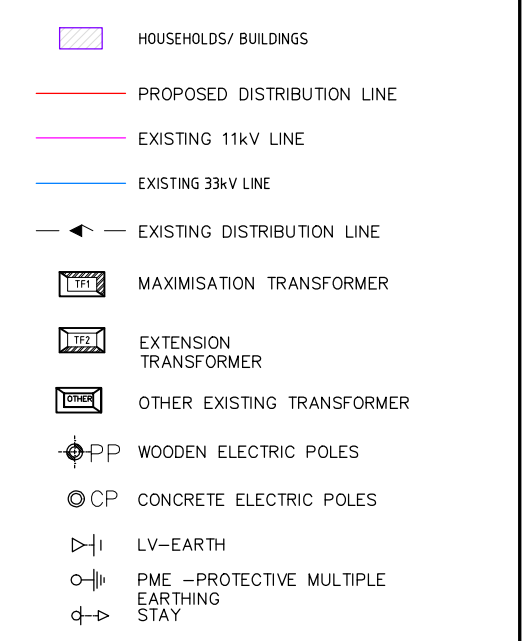
DATE

10th SEP 2018

 NIPPON KOEI CO., LTD

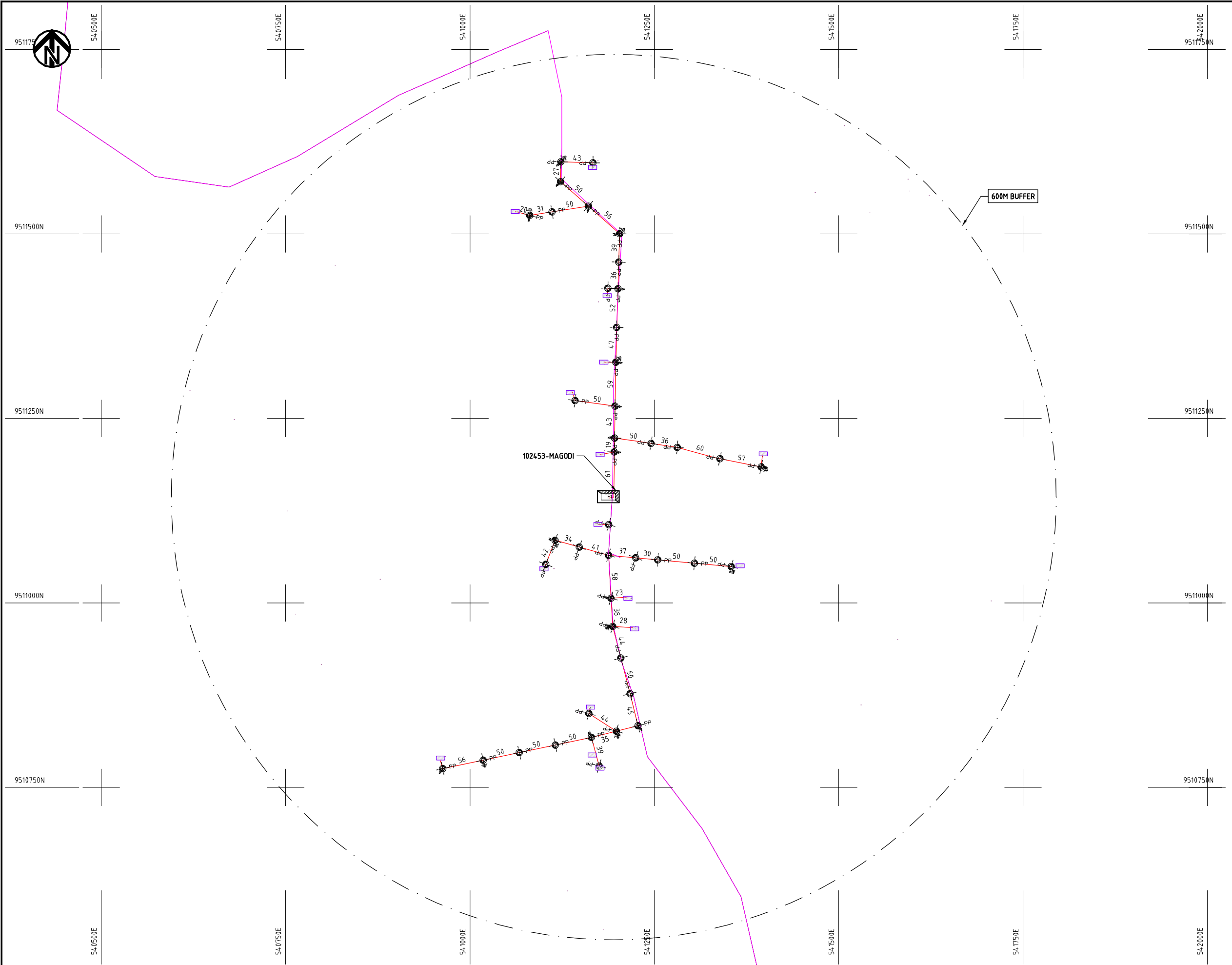


- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KLF-MA-18	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 119770 MAGAONI			DATE	10th SEP 2018	





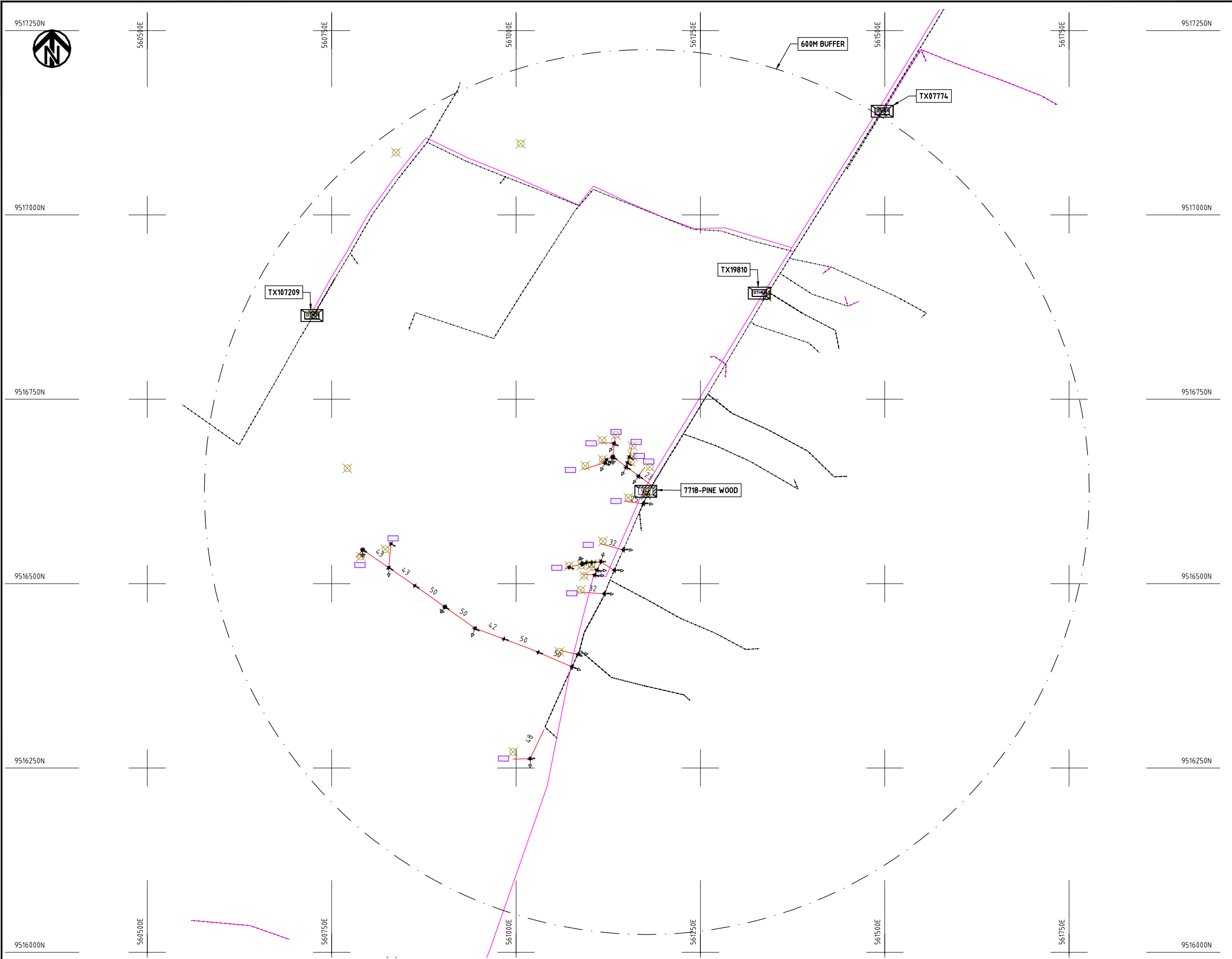
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 102453 MAGODI		KWL-MA-19	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





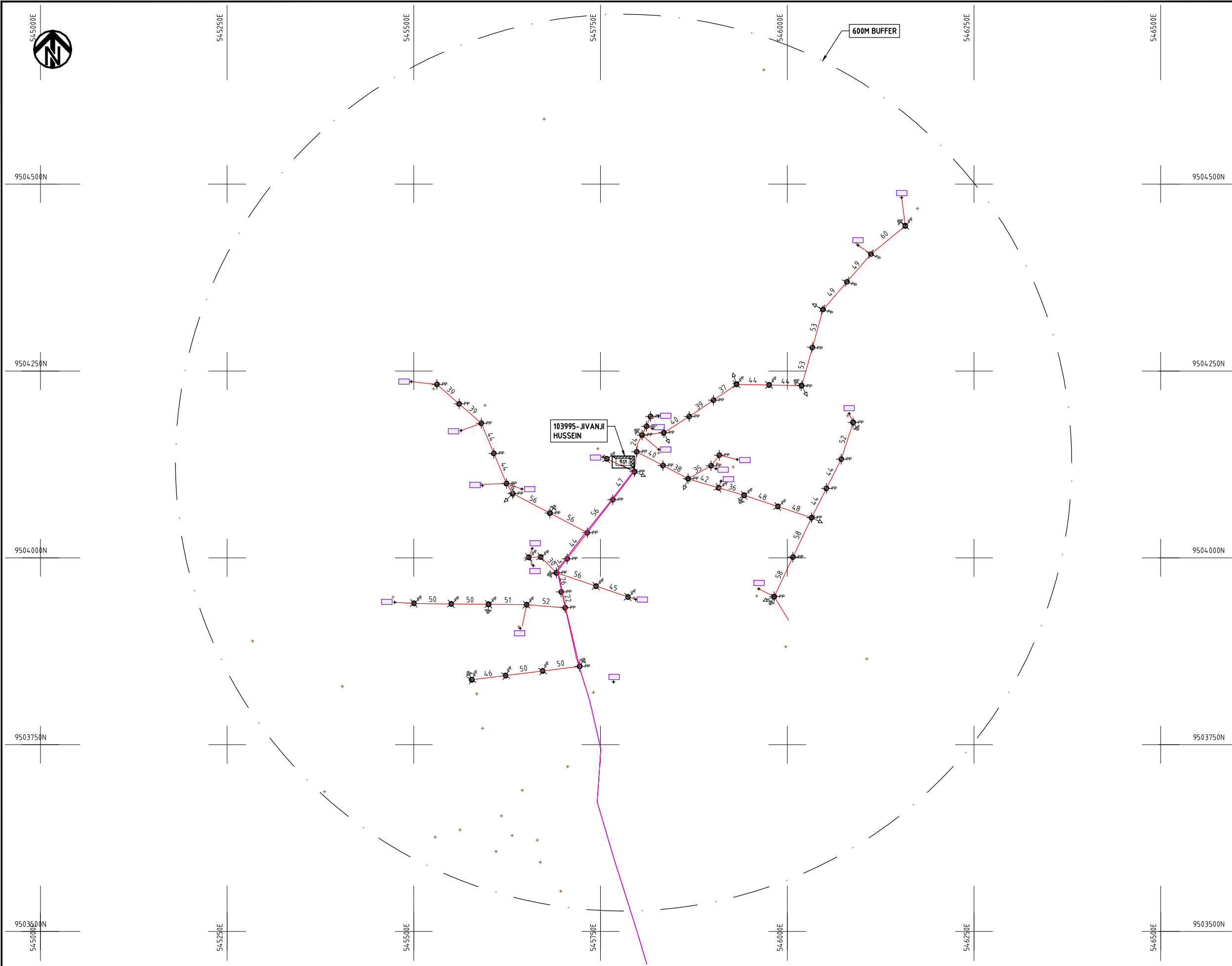
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-20	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 07718 PINWOOD			DATE	10th SEP 2018	





NOTES:

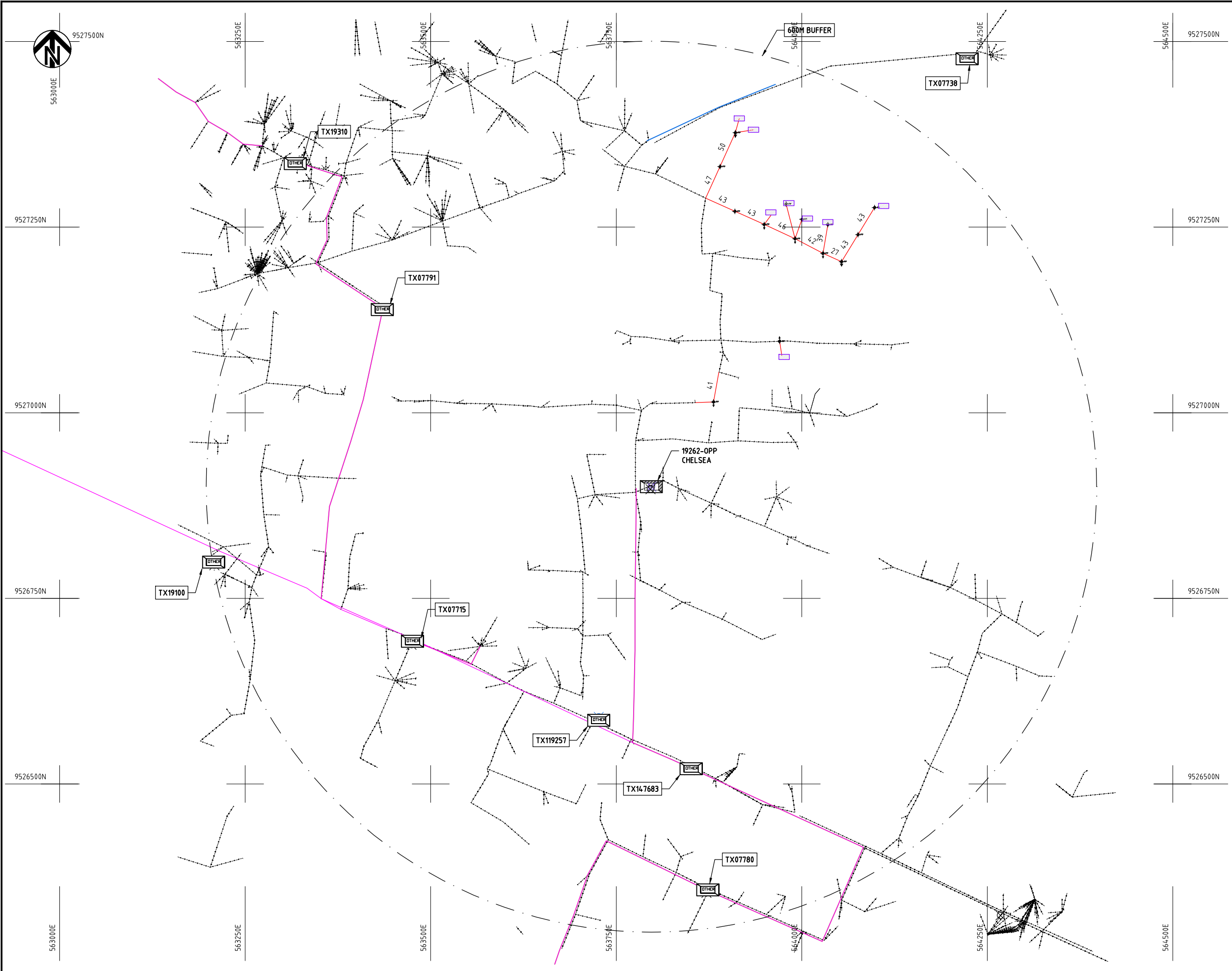
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY















PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 103995-JIVANJI HUSSEIN		KWL-MA-21	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018



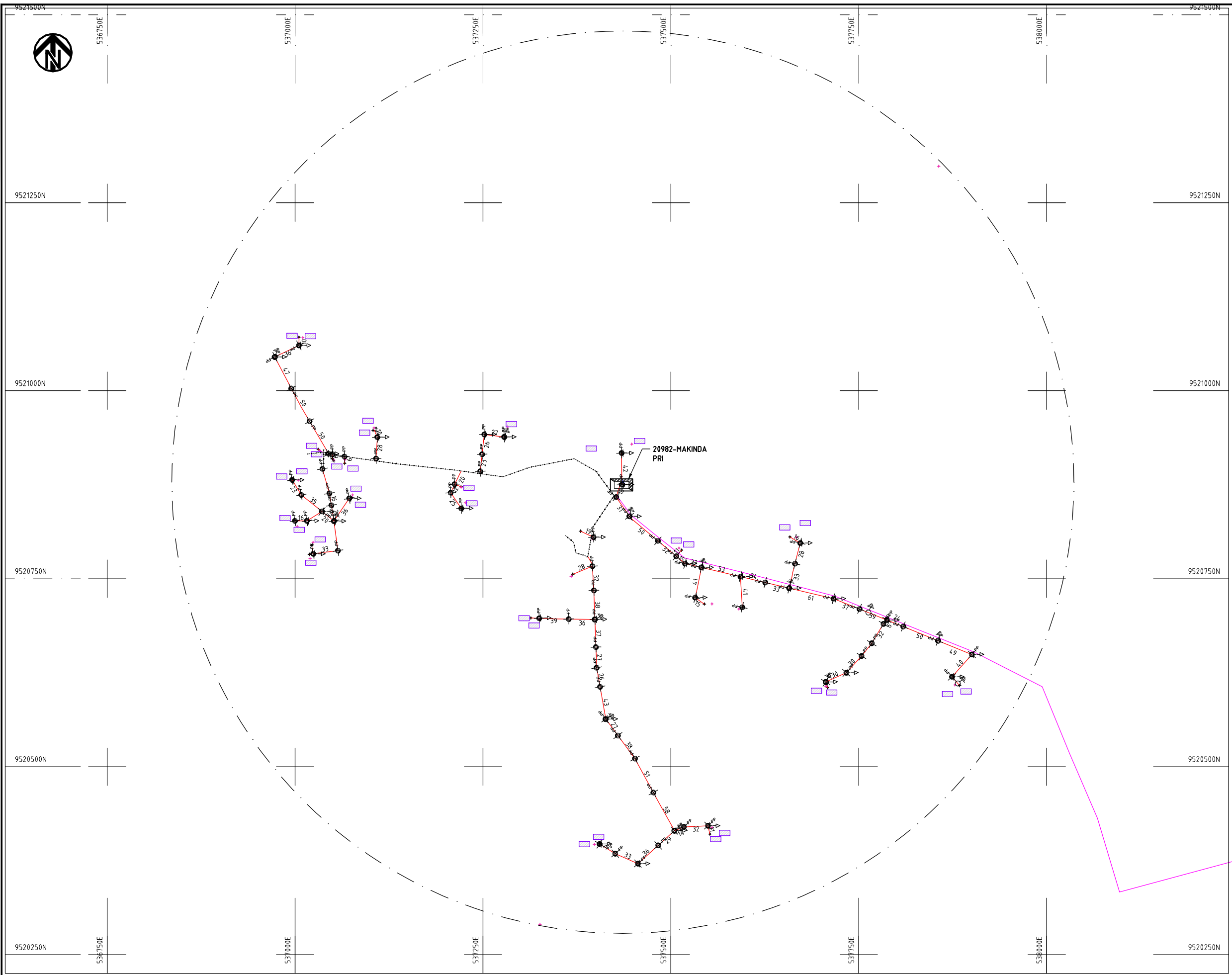


- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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-  HOUSEHOLDS/ BUILDINGS
-  PROPOSED DISTRIBUTION LINE
-  EXISTING 11kV LINE
-  EXISTING 33kV LINE
-  EXISTING DISTRIBUTION LINE
-  MAXIMISATION TRANSFORMER
-  EXTENSION TRANSFORMER
-  OTHER EXISTING TRANSFORMER
-  WOODEN ELECTRIC POLES
-  CONCRETE ELECTRIC POLES
-  LV-EARTH
-  PME -PROTECTIVE MULTIPLE EARTHING STAY

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 19262 OPP. CHELSEA		KWL-MA-22	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





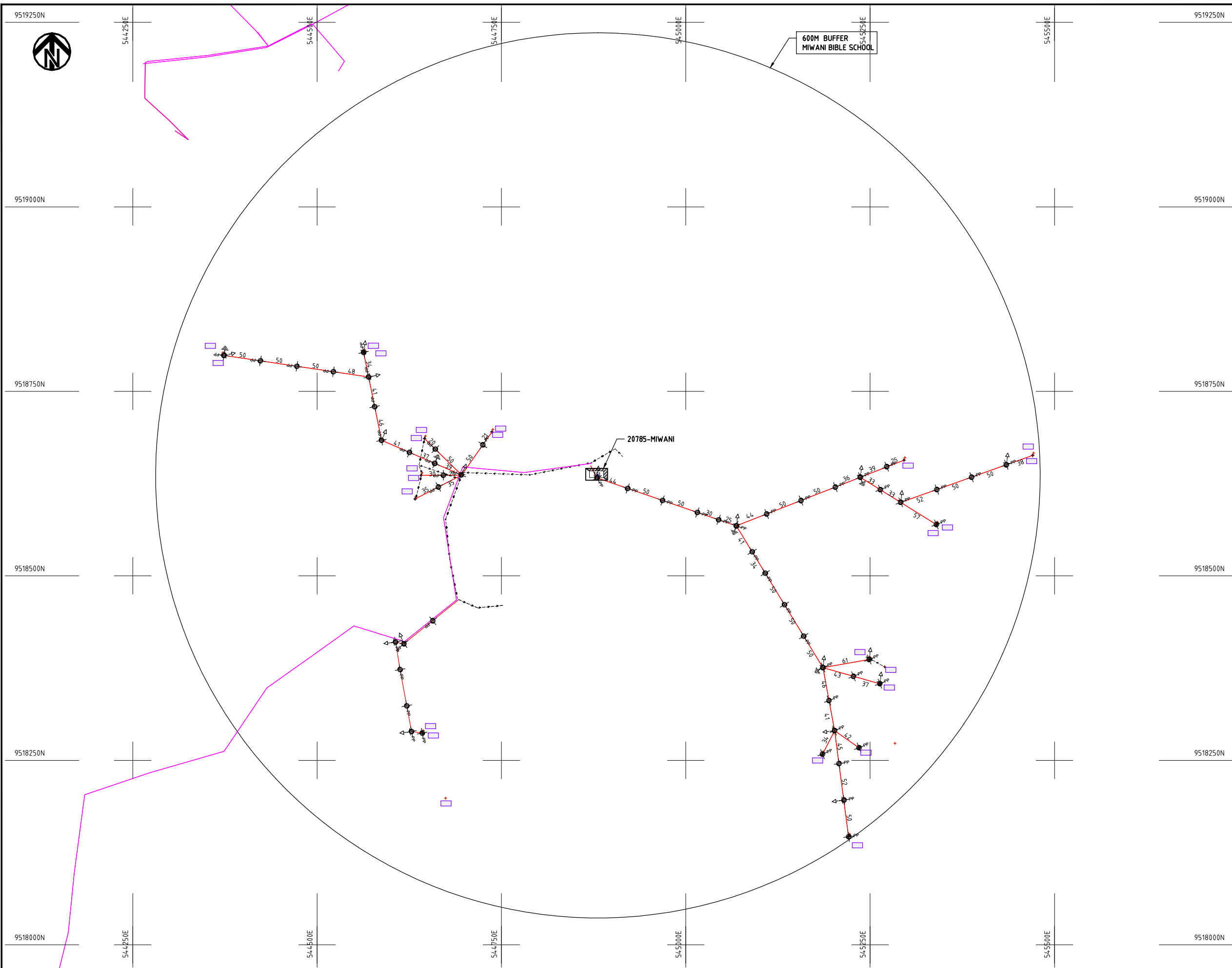
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI		KLF-MA-23	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 20982-MKANDA PRIMARY			DATE	10th SEP 2018	





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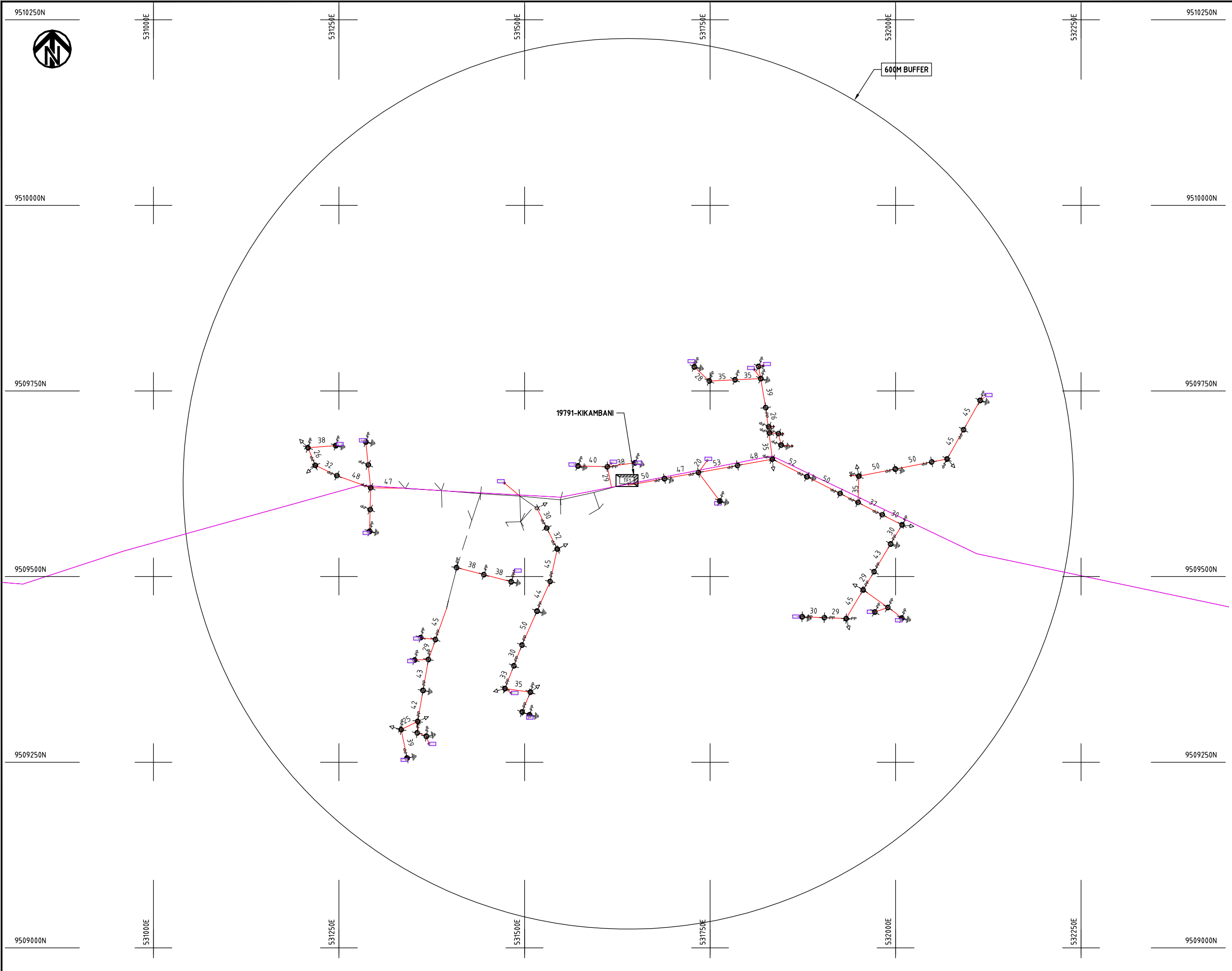
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- EXISTING DISTRIBUTION LINE
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- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT:	THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE	DRAW. NO.	PREPARED BY	A.AKBAR
		COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 20785-MIWANI	KLF-MA-24	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
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- OTHER EXISTING TRANSFORMER
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- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-25	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 19791 - KIKAMBANI			DATE	10th SEP 2018	





9530250N

557000E

557250E

557500E

557750E

558000E

558250E

9530250N

9530000N

9530000N

9529750N

9529750N

9529500N

9529500N

9529250N

9529250N

557000E

557250E

557500E

557750E

558000E

558250E

600M BUFFER

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1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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- EXISTING DISTRIBUTION LINE
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- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



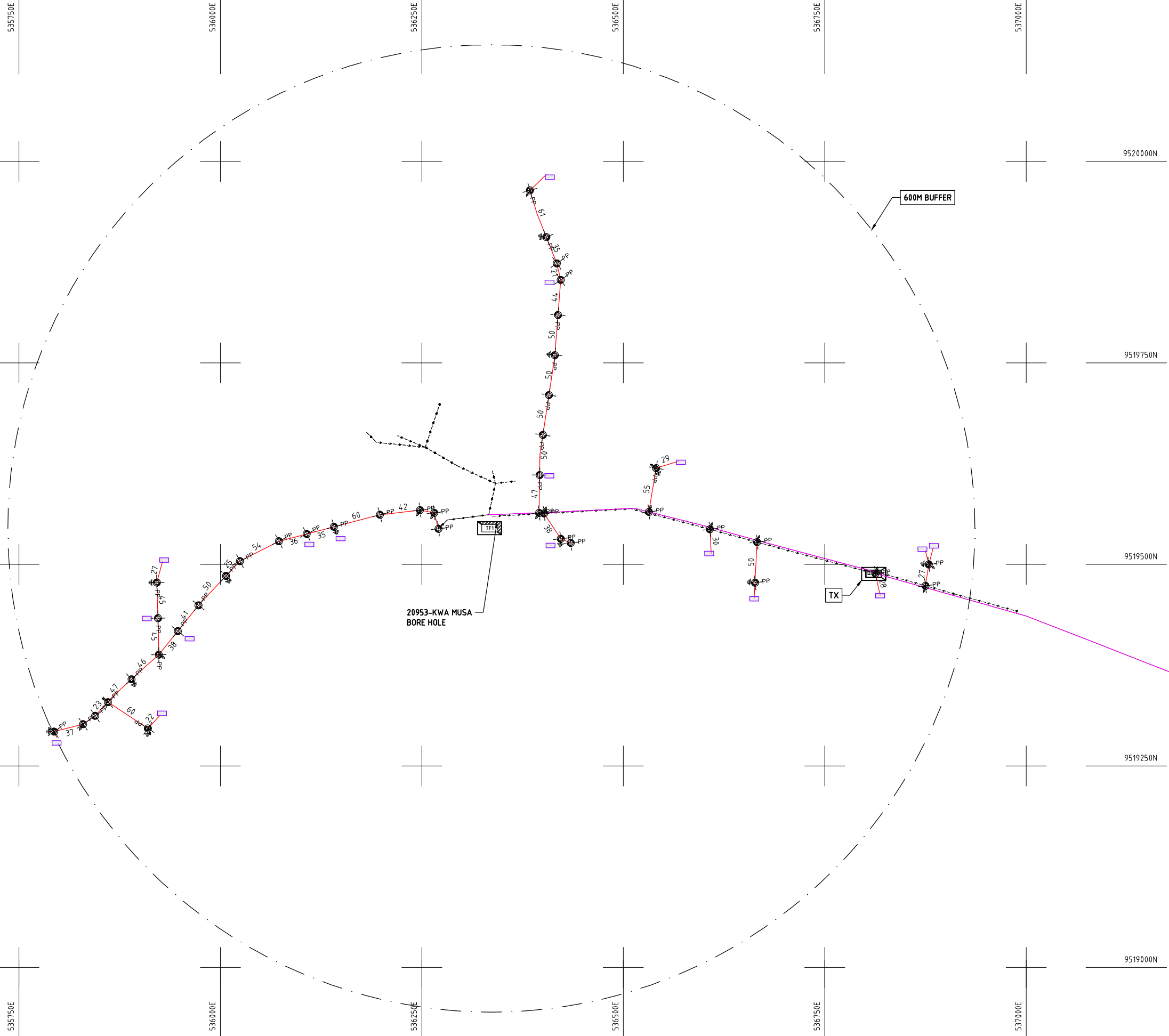
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 119692-DIMA

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-26	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





NOTES:

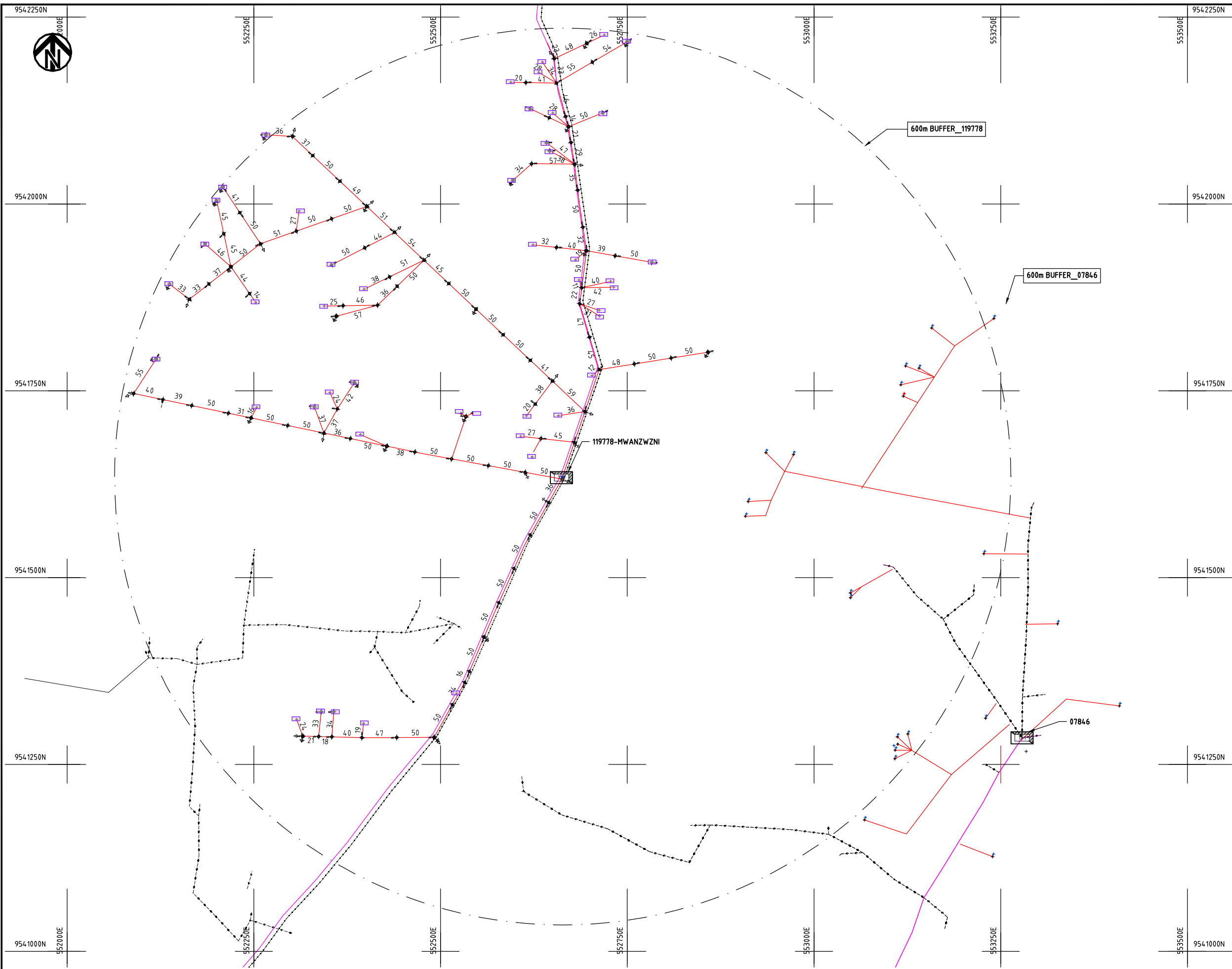
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- EXISTING DISTRIBUTION LINE
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- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
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- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT:	THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE	DRAW. NO.	PREPARED BY	A.AKBAR
		COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 20953 KWA MUSA BORE HOLE	KWL-MA-27	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





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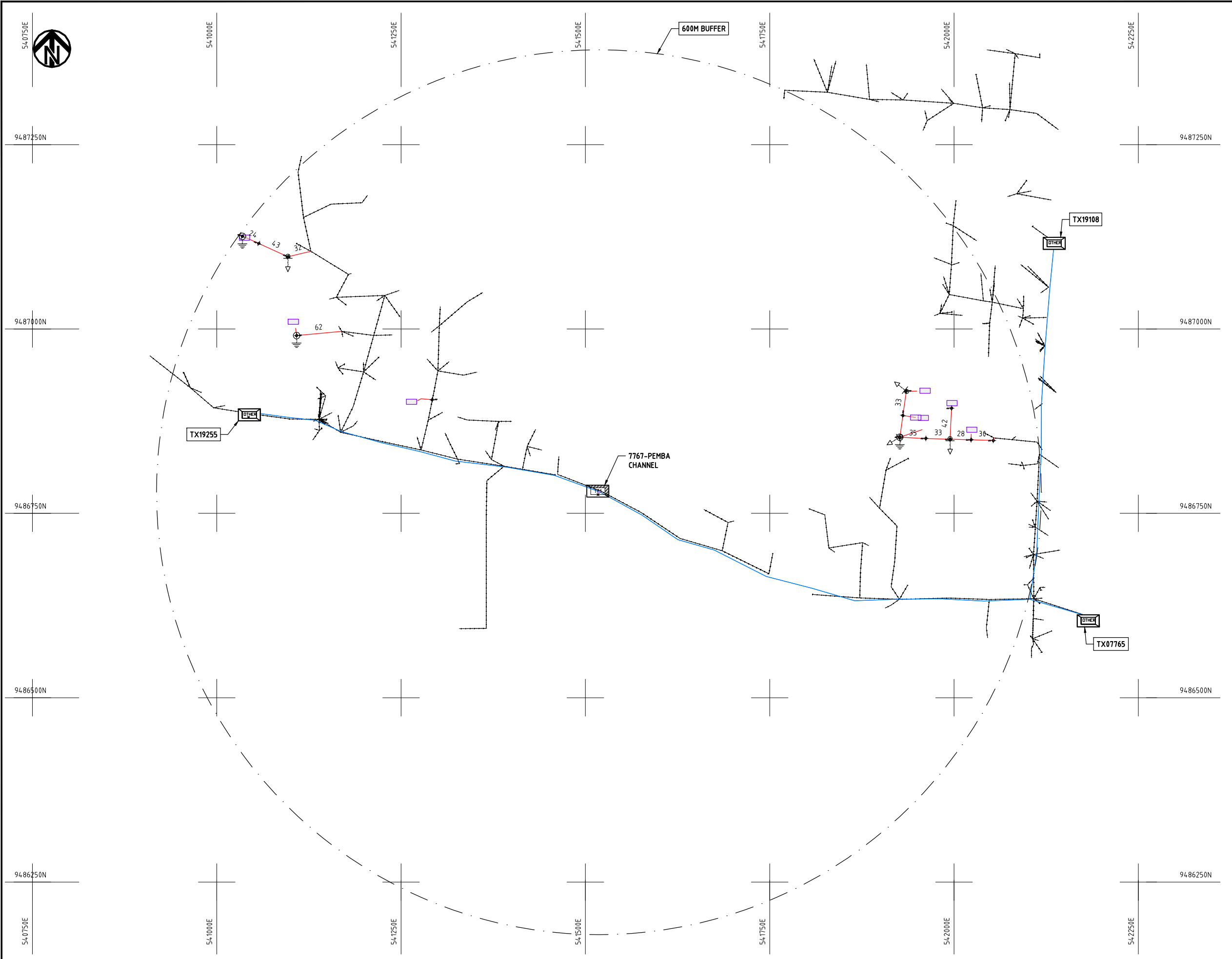
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- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 119778 - MWANZWNI	DRAW. NO. KLF-MA-28	PREPARED BY A.AKBAR CHECKED BY S.MAETA APPROVED BY Y.TANAKA DATE 10th SEP 2018	
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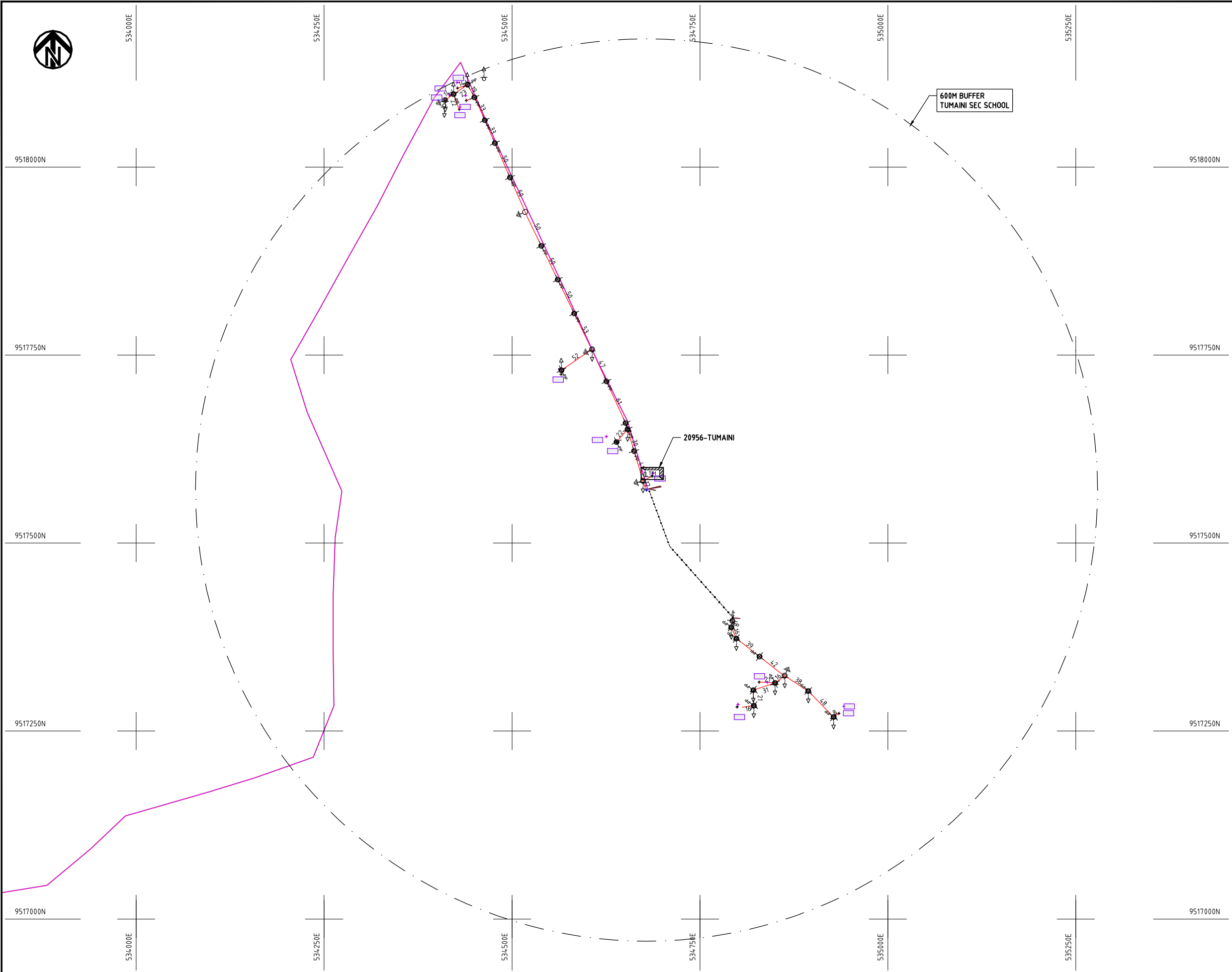
- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-29	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 07767 PEMBA CHANNEL			DATE	10th SEP 2018	

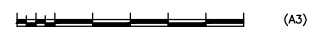




NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 20956 TUMAINI		KLF-MA-30	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





531000E

531250E

531500E

531750E

532000E

532250E

9530250N

9530250N

9530000N

9530000N

9529750N

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9529250N

9529250N

531000E

531250E

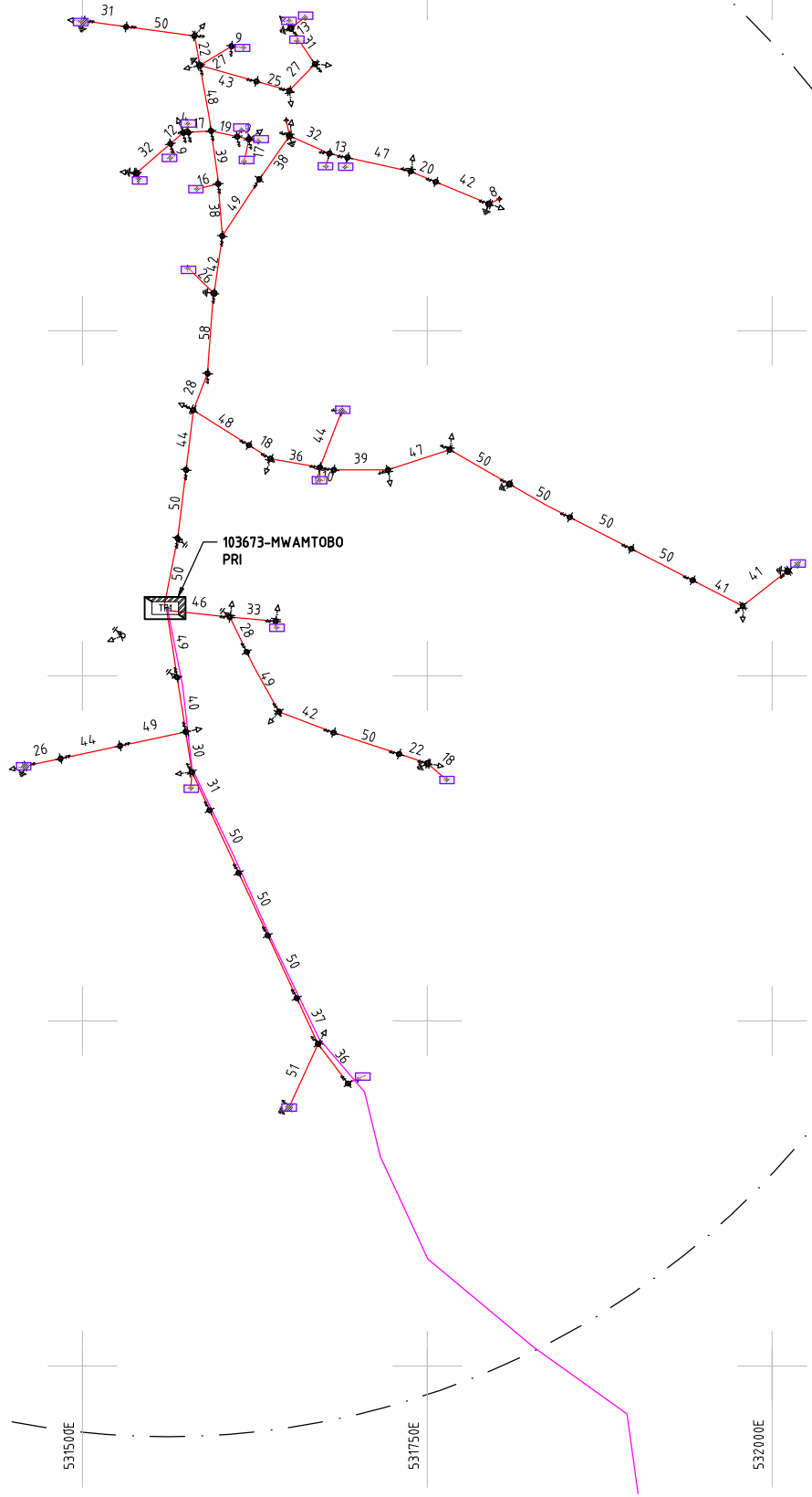
531500E

531750E

532000E

532250E

600m BUFFER_103673



NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY

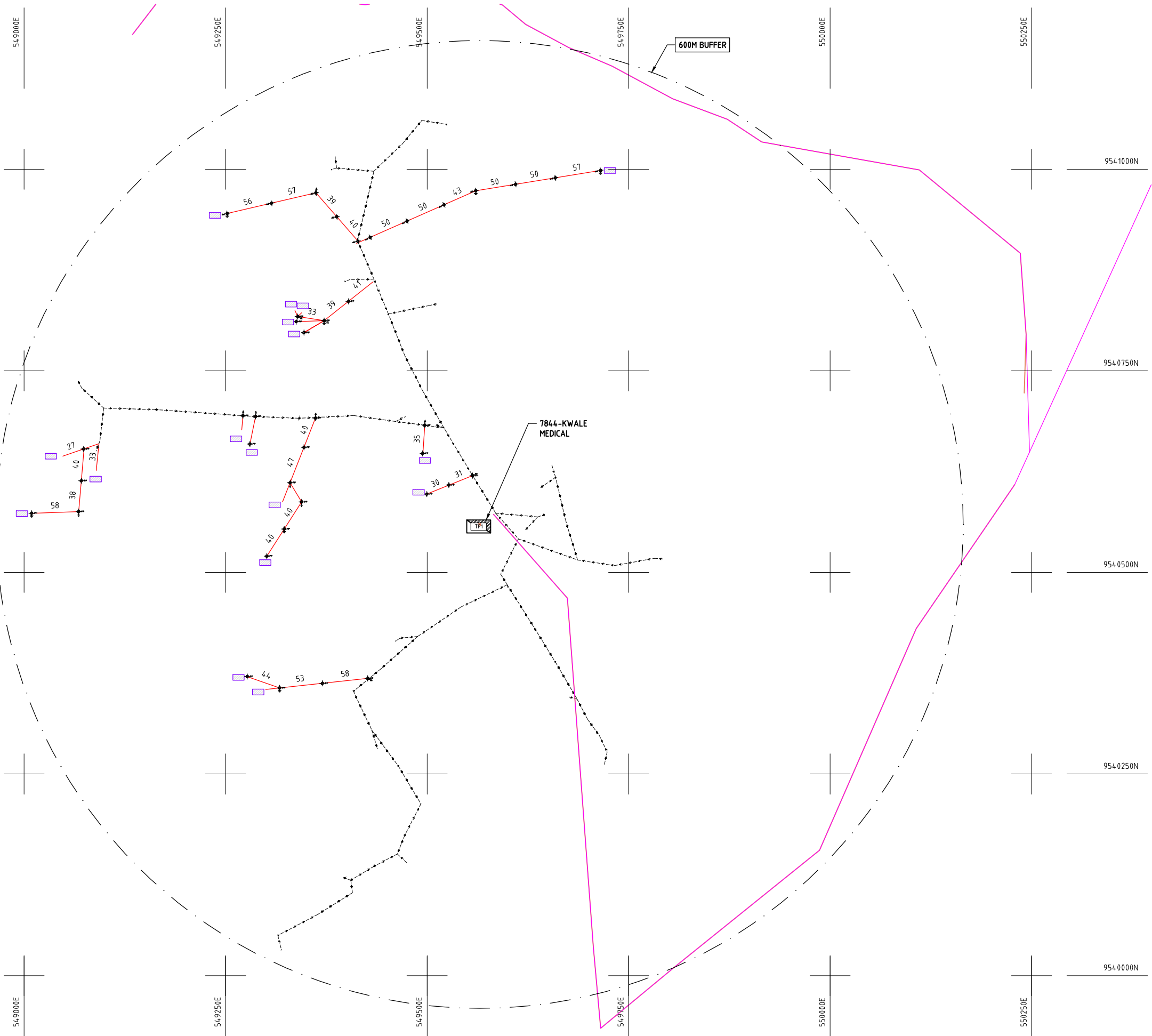
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 103673 - MWAMTOBO PRIMARY

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-31	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018

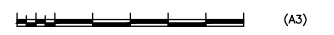




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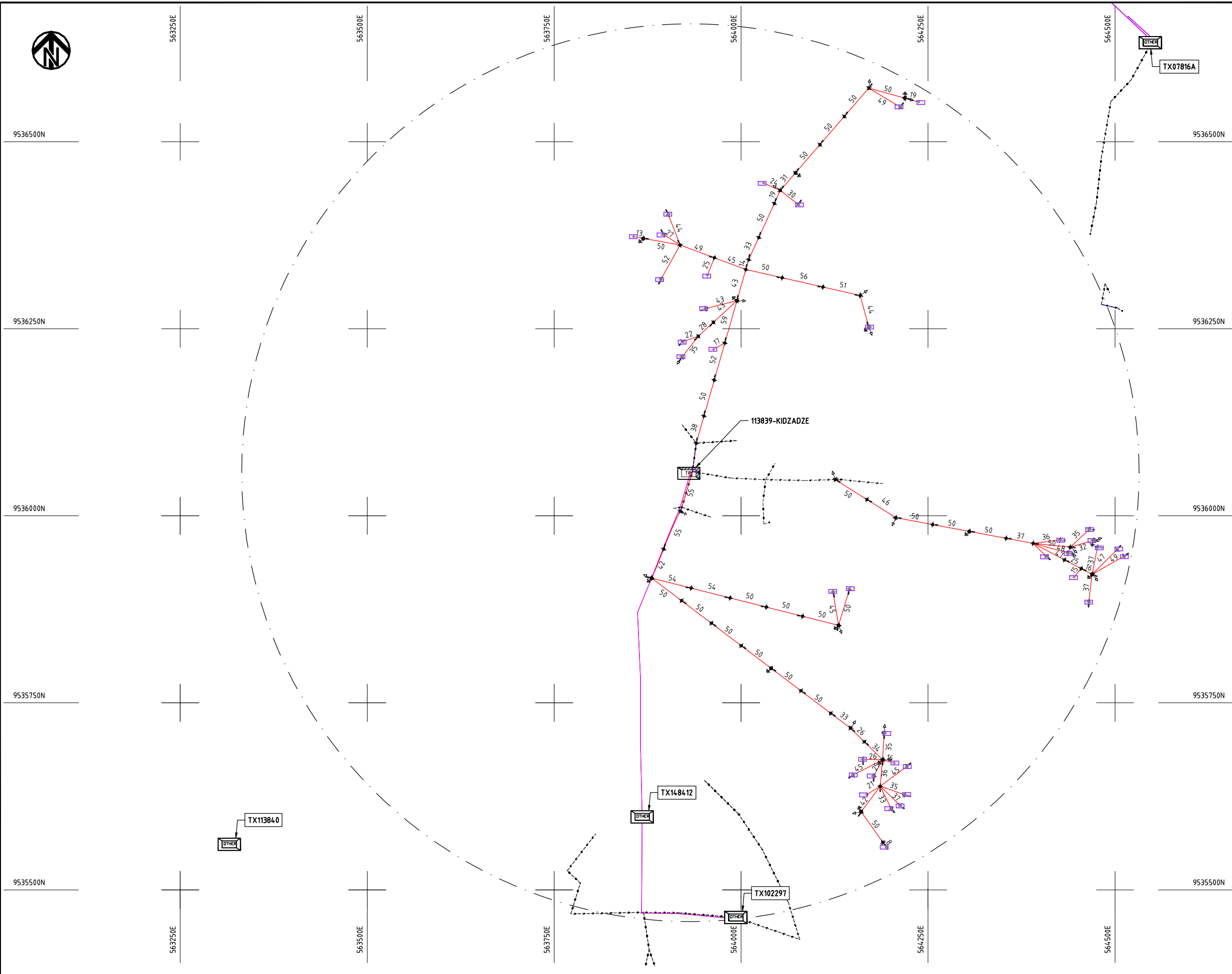
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- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
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- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-32	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 07844 KWALE MEDICAL			DATE	10th SEP 2018	





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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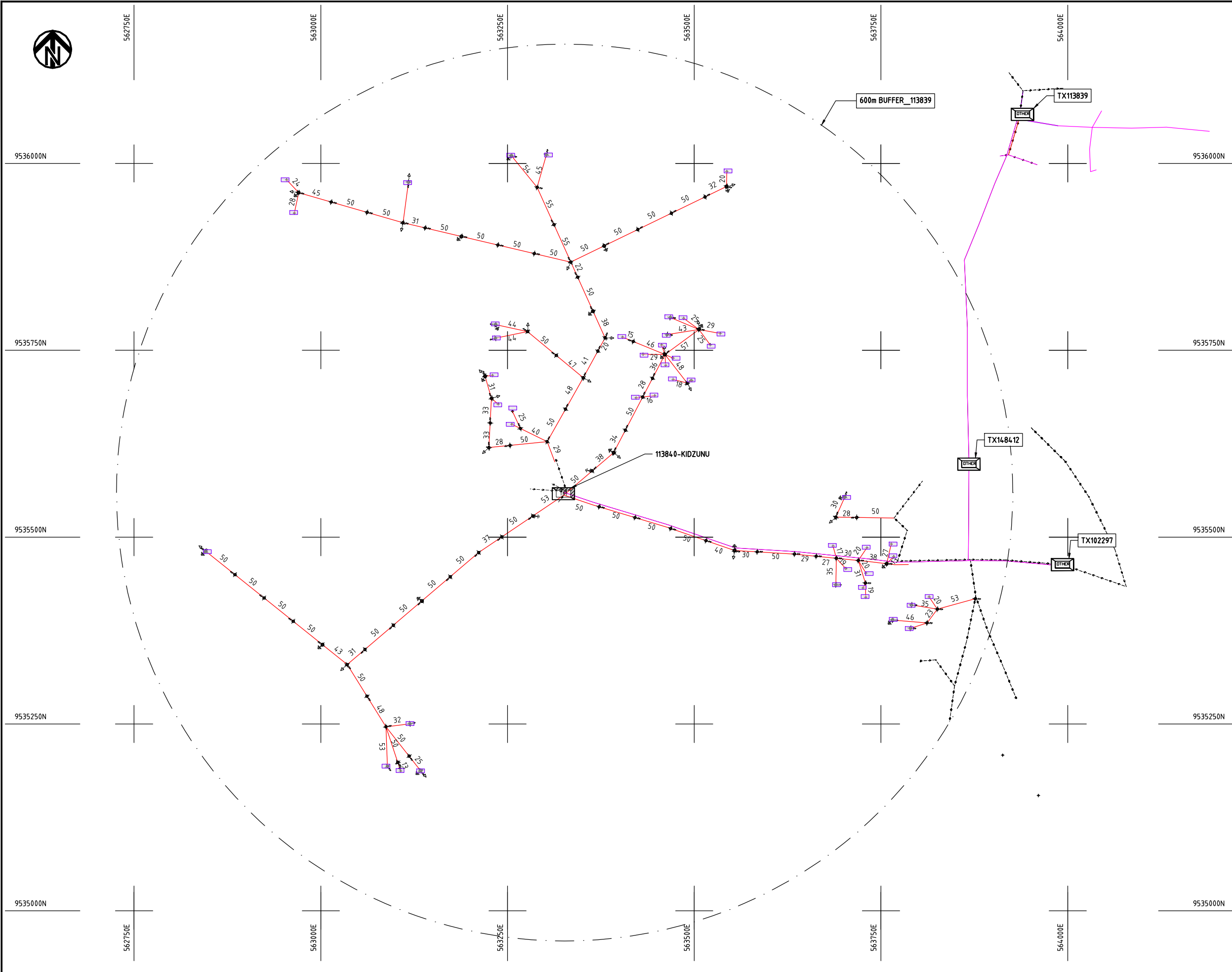
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
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- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
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- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



(A3)

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KLF-MA-33	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 113839 - KIDZADZE		DATE		10th SEP 2018	





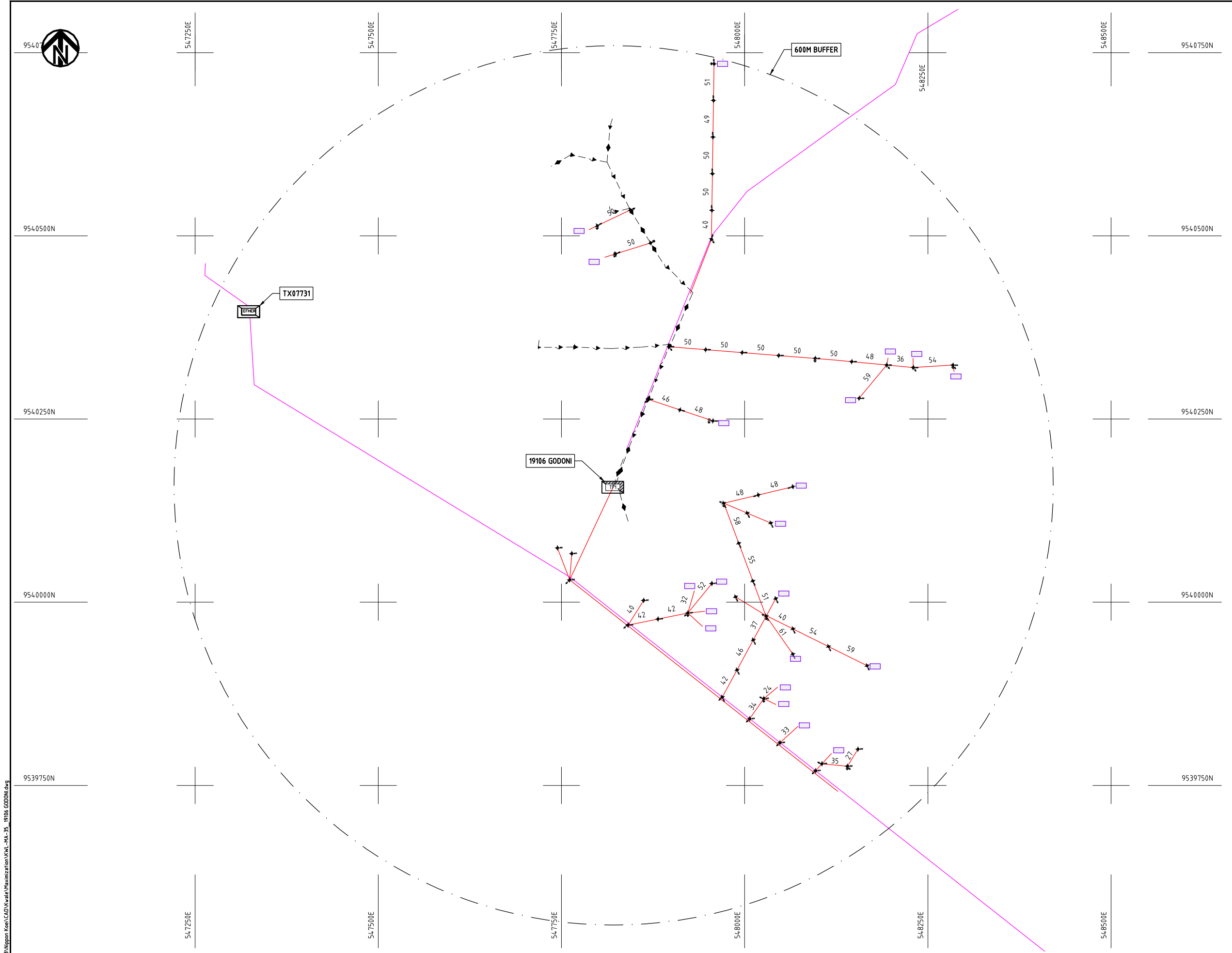
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- EXISTING 11kV LINE
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- LV-EARTH
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KLF-MA-34	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 113840 - KIDZUNU			DATE	10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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LEGEND

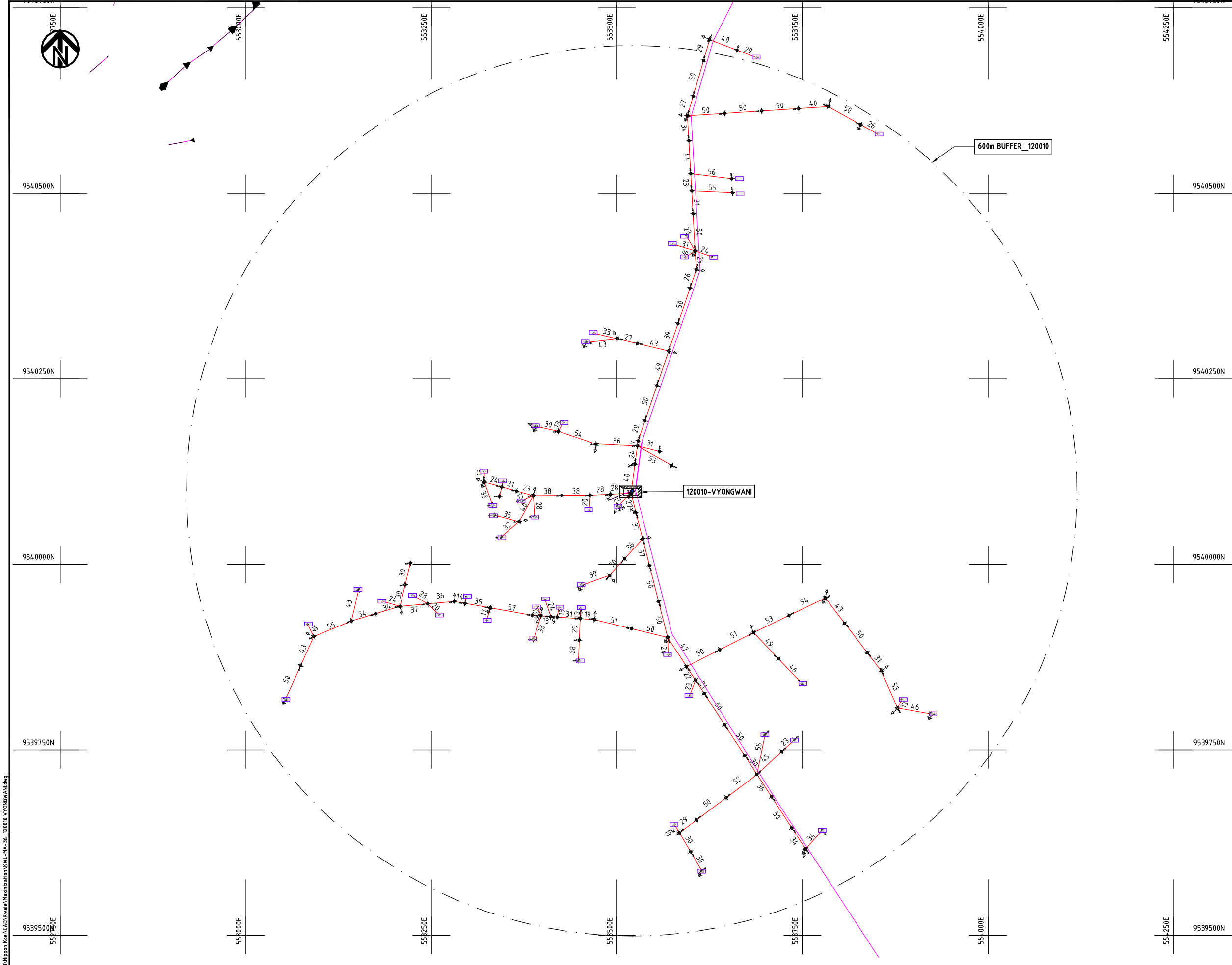
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- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
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- EXISTING DISTRIBUTION LINE
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- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



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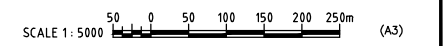
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 19106 GODONI KWALE		KWL-MA-35	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
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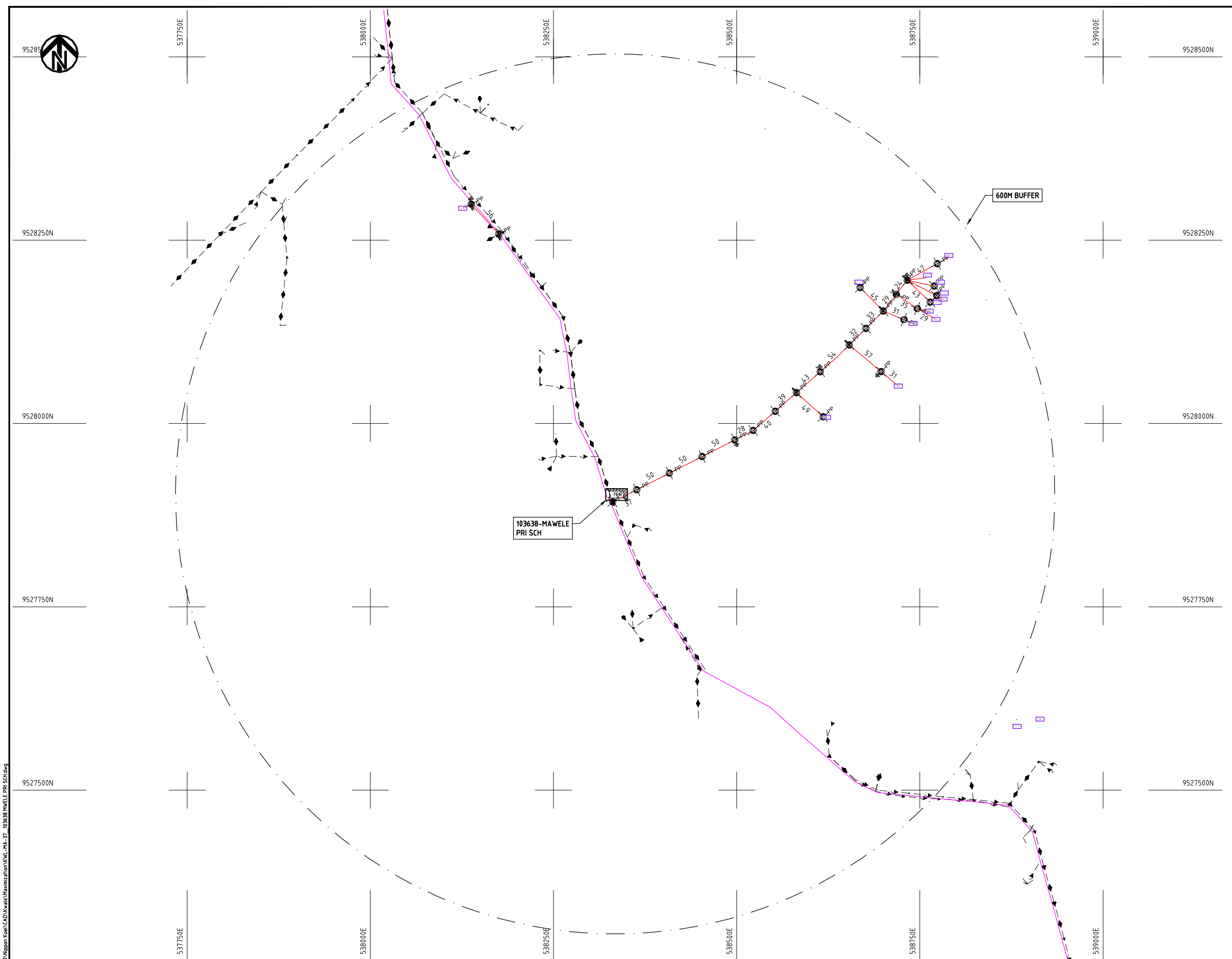
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
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 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



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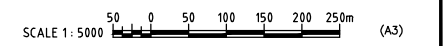
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	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 120010 - VYONGWANI		KLF-MA-36	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
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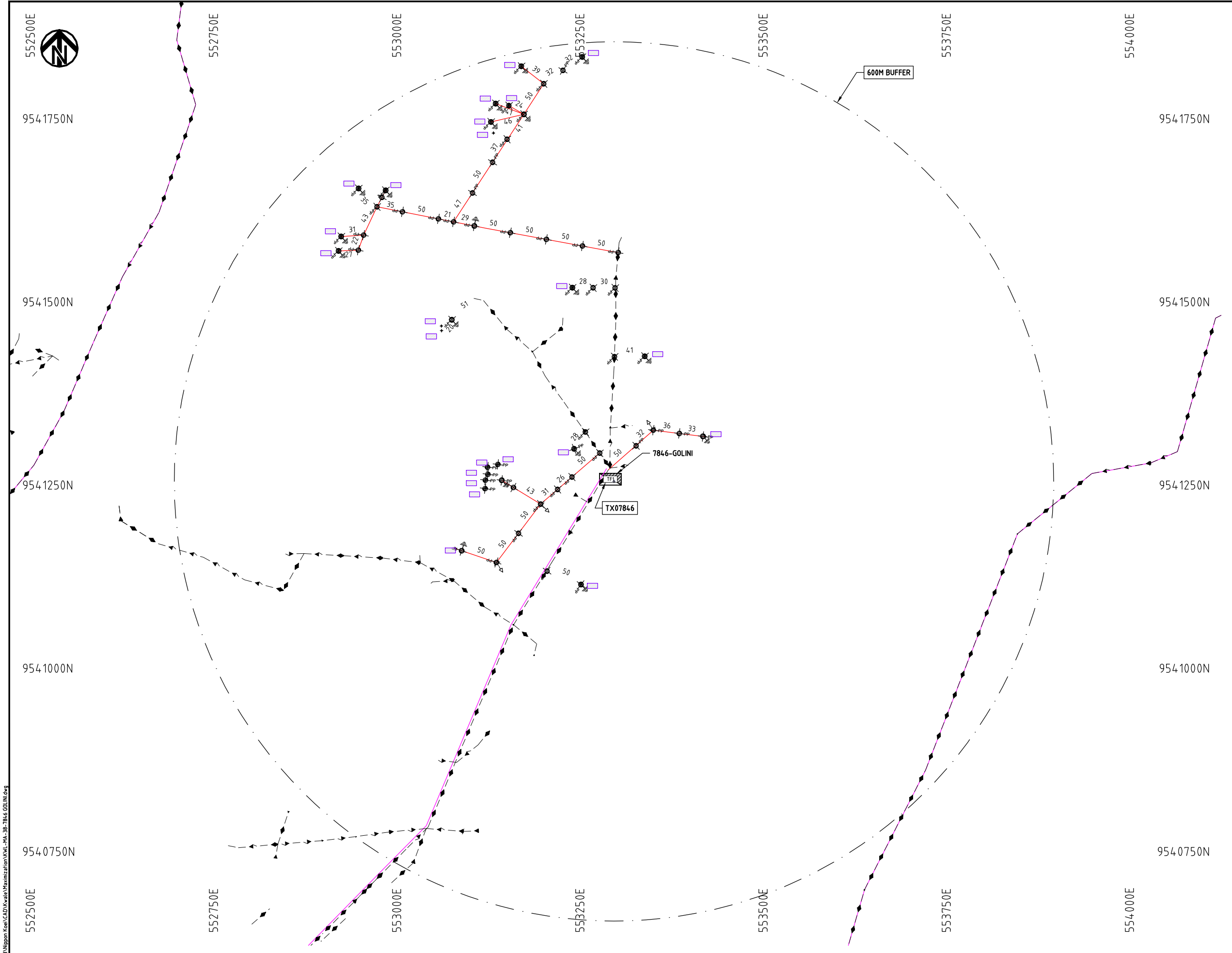
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
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 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
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 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



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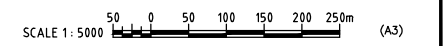
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-37	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 103638 MWELE PRY SCH			DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

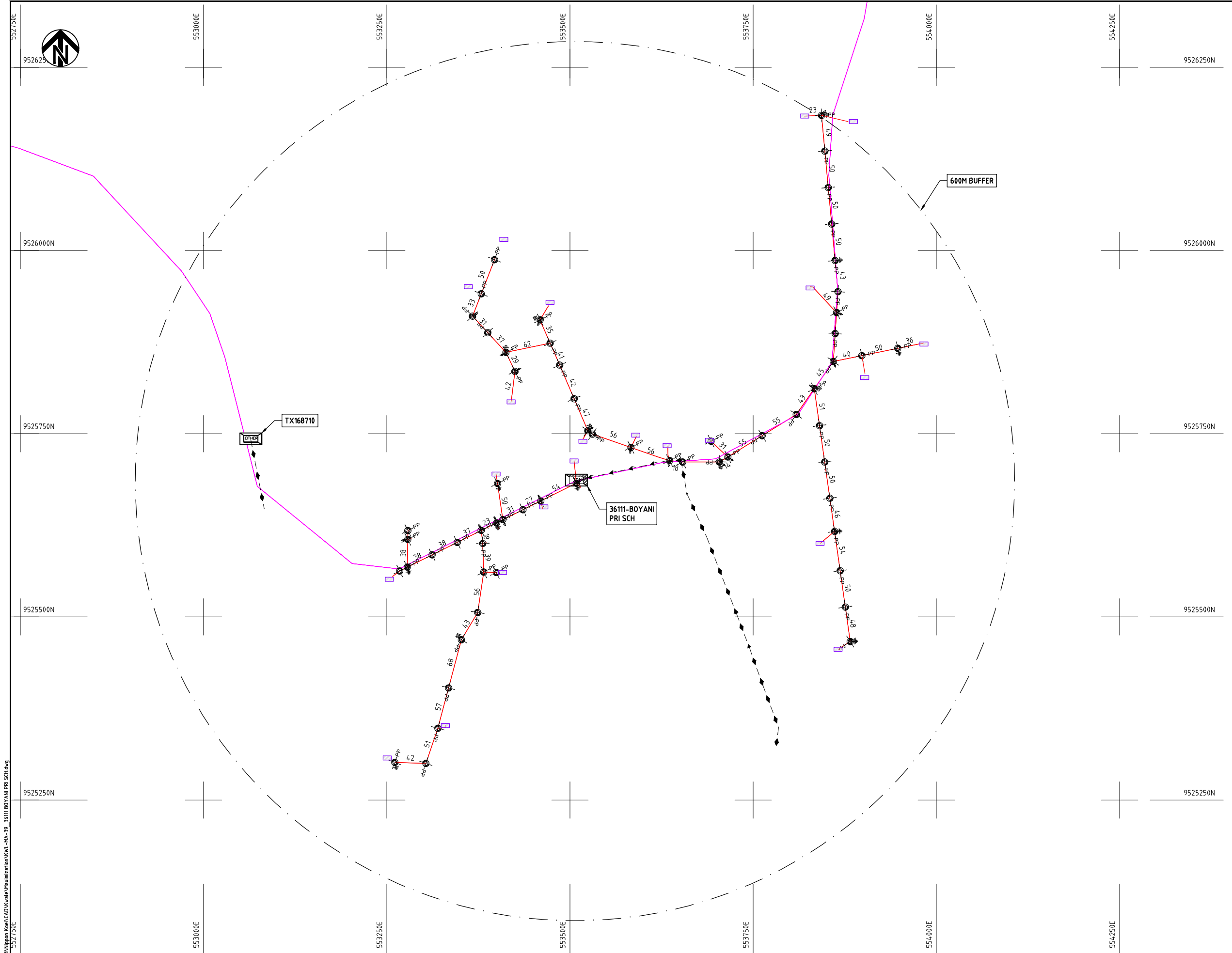
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Csd File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-38-7846-GOLINI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 07846 - GOLINI		KWL-MA-38	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY

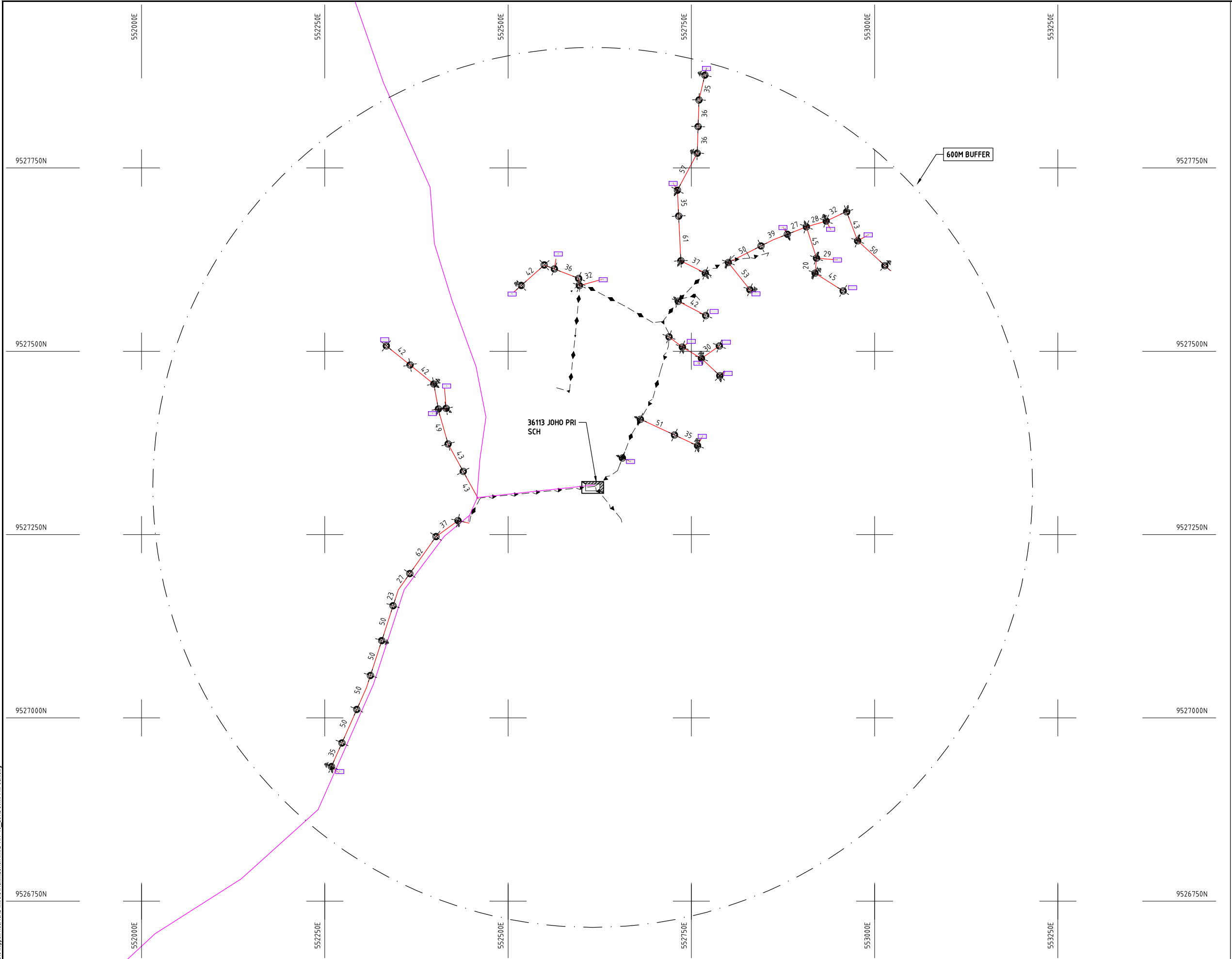


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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 36111 BOYANI PRIMARY SCHOOL		KWL-MA-39	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-40_36113 JOHO PRI SCH.dwg



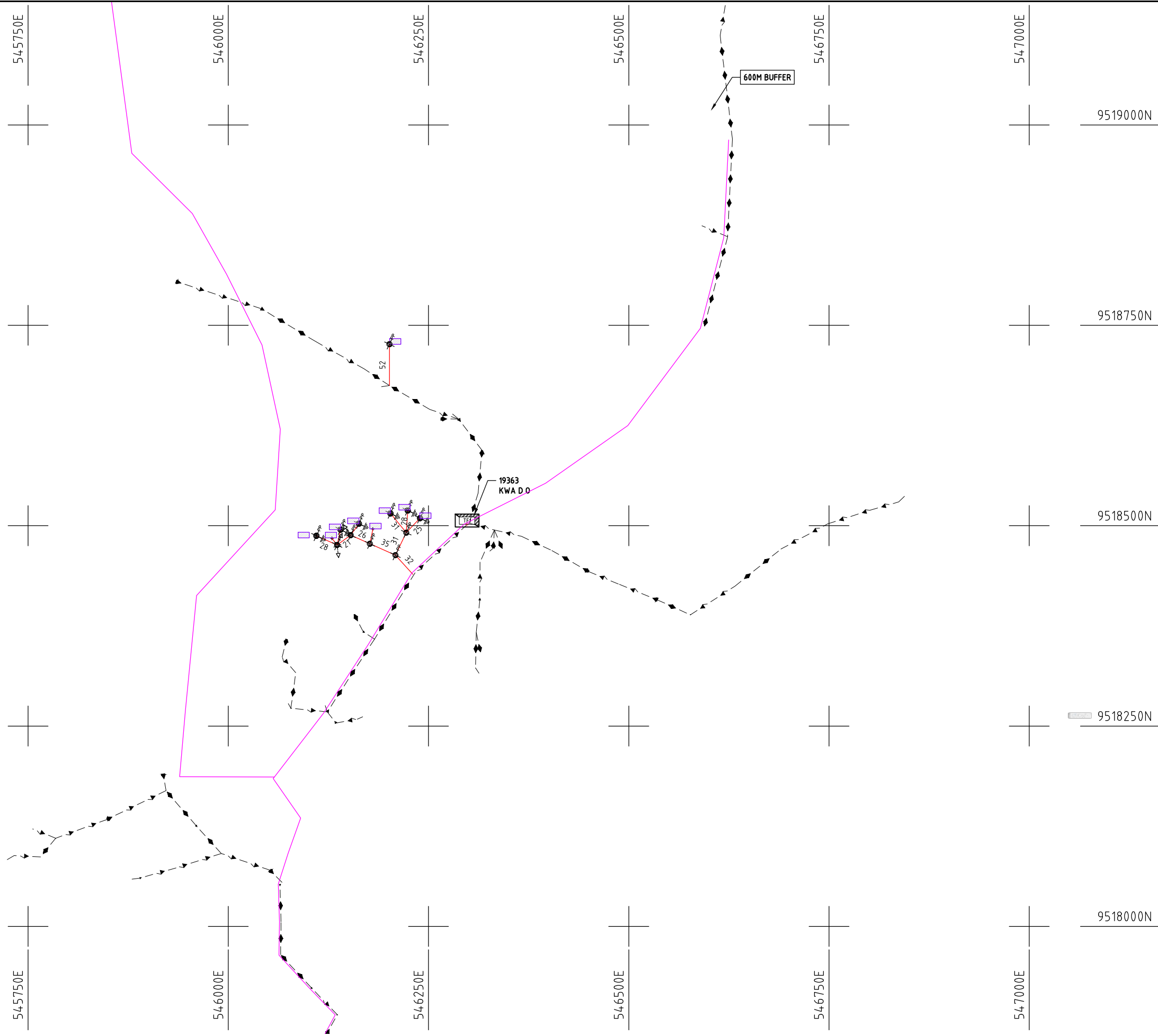
LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1:5000 (A3)

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 36113 JOHO PRY SCH	DRAW. NO. KWL-MA-40	PREPARED BY A.AKBAR CHECKED BY S.MAETA APPROVED BY Y.TANAKA DATE 10th SEP 2018	
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- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-41_19363-KWA D.O.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 19363 - KWA D.O.		KWL-MA-41	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





552000E

552500E

552500E

552750E

553000E

553250E

553500E

9530000N

9530000N

9529750N

9529750N

9529500N

9529500N

9529250N

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552500E

552750E

553000E

553250E

553500E

600M BUFFER

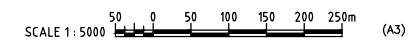
182656-MWANANYATI

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



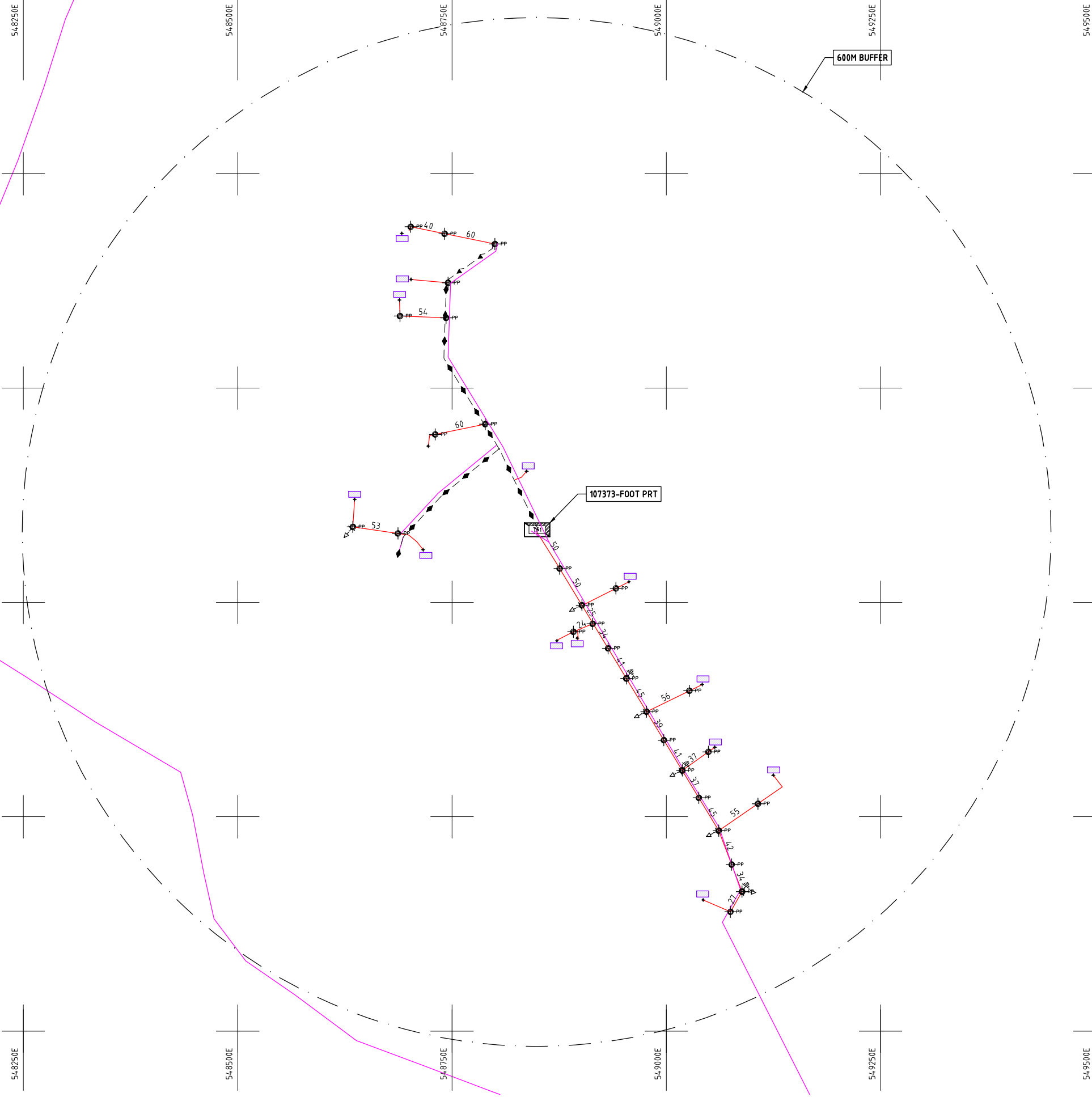
PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 182656-MWANANYATI

DRAW. NO.	PREPARED BY	A.AKBAR
	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-42_182656_MWANANYATI.dwg



NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\Kwale\Maximization\Kwale-MA-45-107373-F00T PRT.dwg

PROJECT:

**THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA**

DRAWING TITLE

COUNTY: KWALE
SCHEME: MAXIMIZATION
PROJECT SITE: 107373 FOOT PRT

DRAW. NO.	PREPARED BY	A.AKBAR
	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





9533500N

525000E

525250E

525500E

525750E

526000E

526250E

9533500N

9533250N

9533250N

9533000N

9533000N

9532750N

9532750N

9532500N

9532500N

525000E

525250E

525500E

525750E

526000E

526250E

600m BUFFER_124552

124552-NGAURO
PRI SCH

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1:5000 (A3)

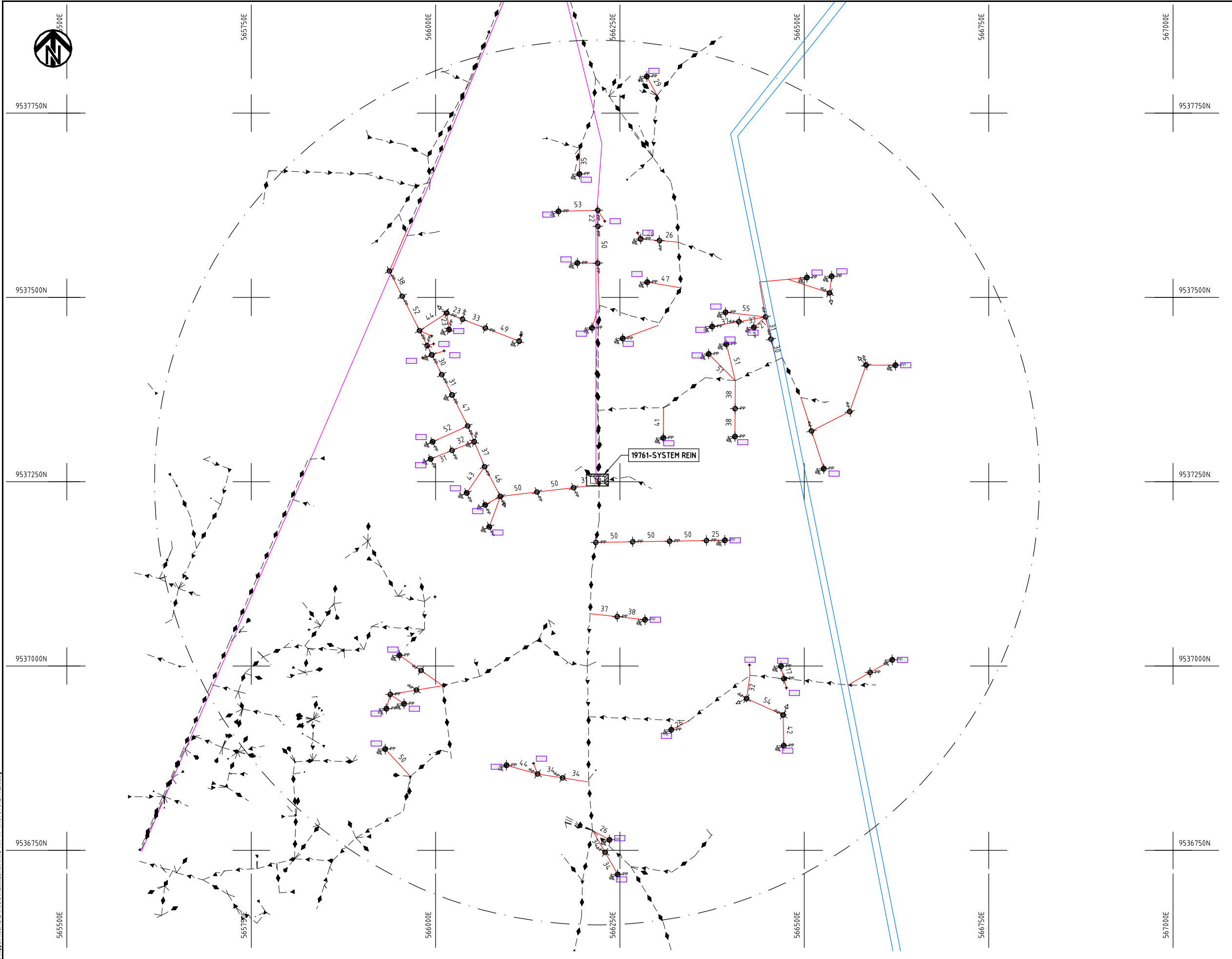
PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 124552 - NGAURO PRI. SCHOOL

DRAW. NO.	PREPARED BY	A.AKBAR
KLF-MA-46	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KW-MA-46_124552_NGAURO PRIMARY SCH.dwg



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

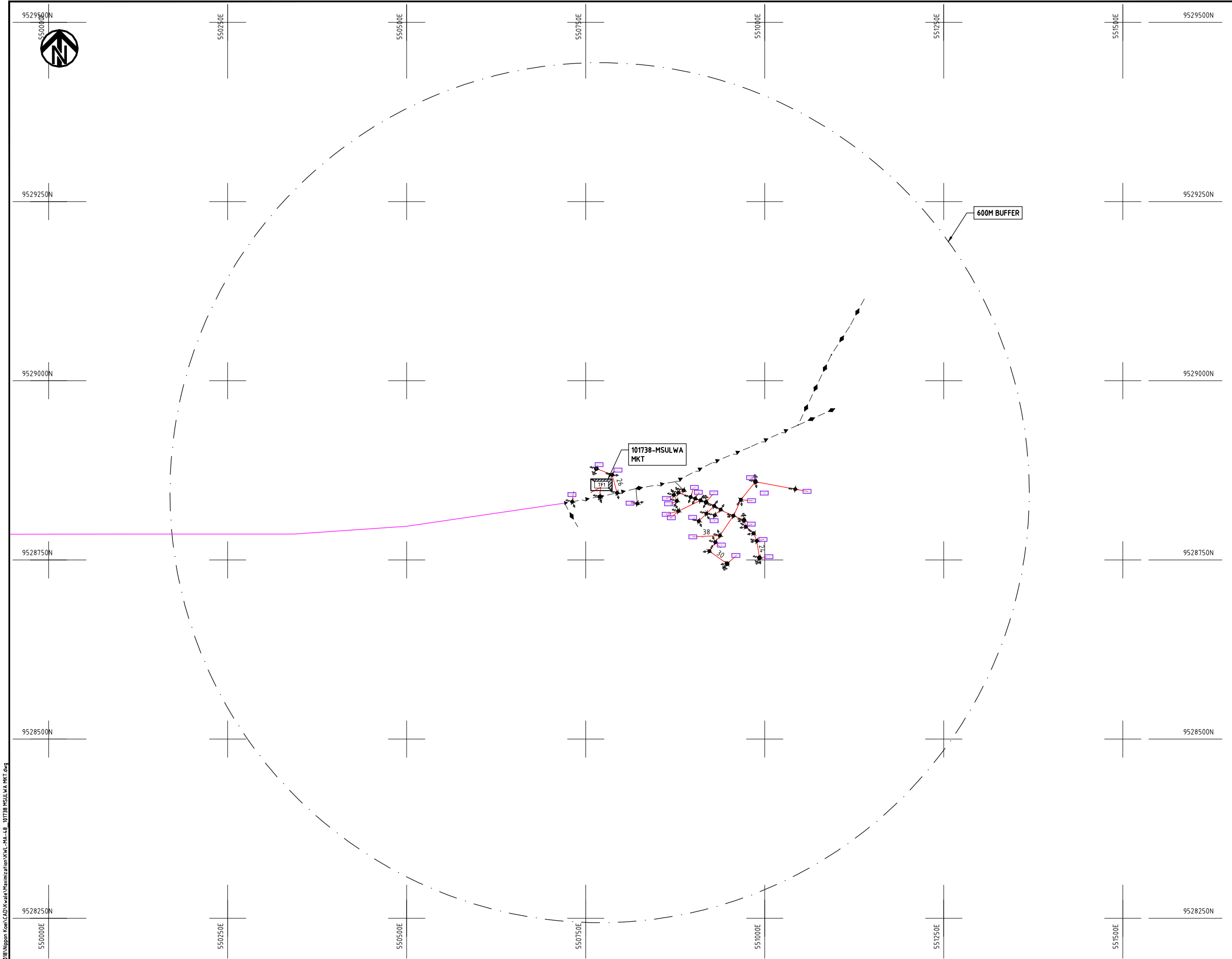
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-47-19761-SYSTEM REIN.dwg

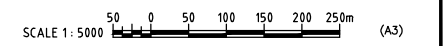
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 19761 - SYSTEM REIN		DRAW. NO.	PREPARED BY	A.AKBAR
			KWL-MA-47	CHECKED BY	S.MAETA
			APPROVED BY	Y.TANAKA	
			DATE	10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

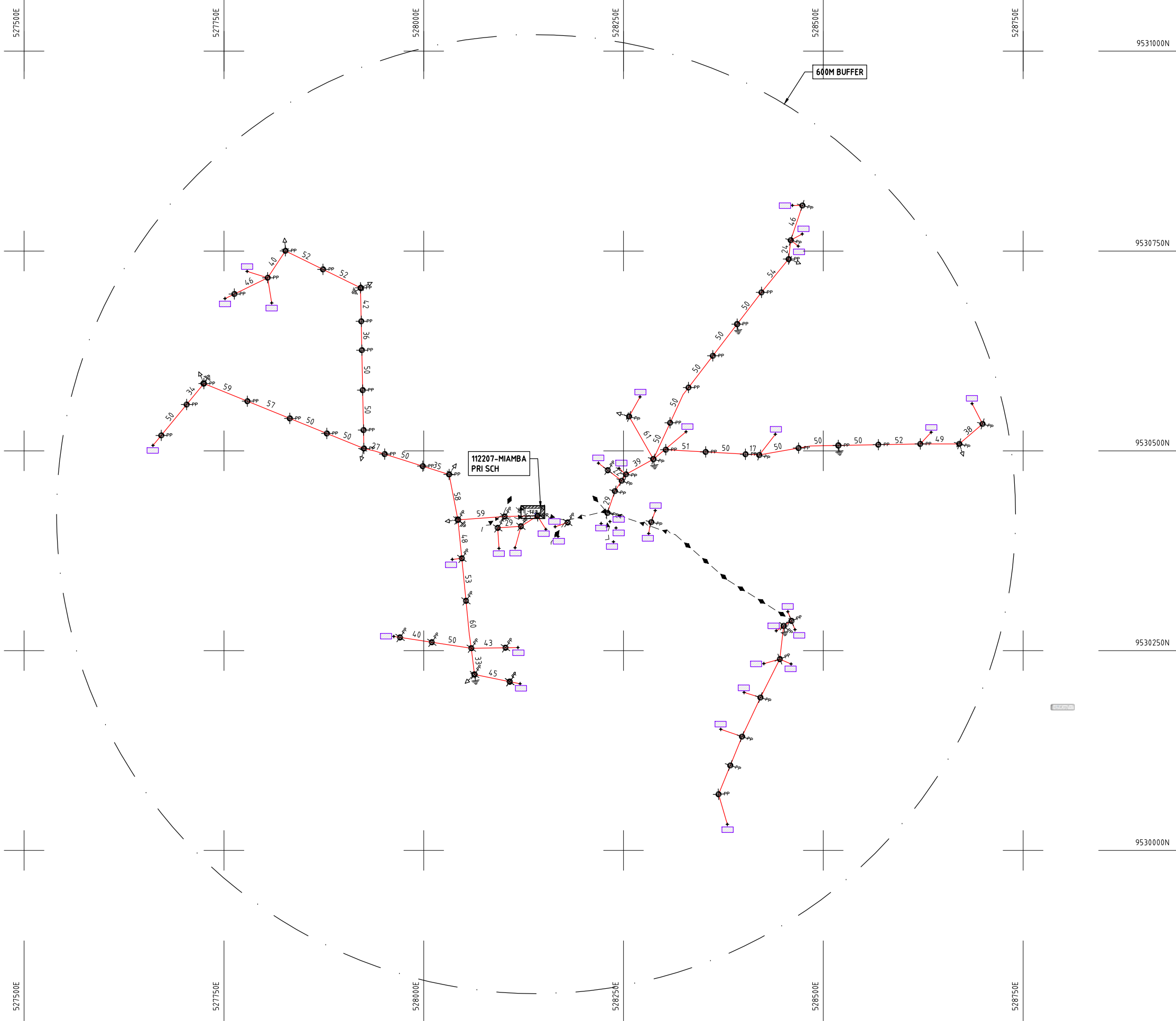
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Csd File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-48_101738 MSULWA MKT.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 101738 MSULWA MKT		KWL-MA-48	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-49-112207 MIAMBA PRI. SCH.dwg
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 112207 MIAMBA PRI. SCH.		KWL-MA-49	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





9561500

9561250N

9561000N

9560750N

9560500N

555250E

555500E

555750E

556000E

556250E

556500E

9561500N

9561250N

9561000N

9560750N

9560500N

555250E

555500E

555750E

556000E

556250E

556500E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



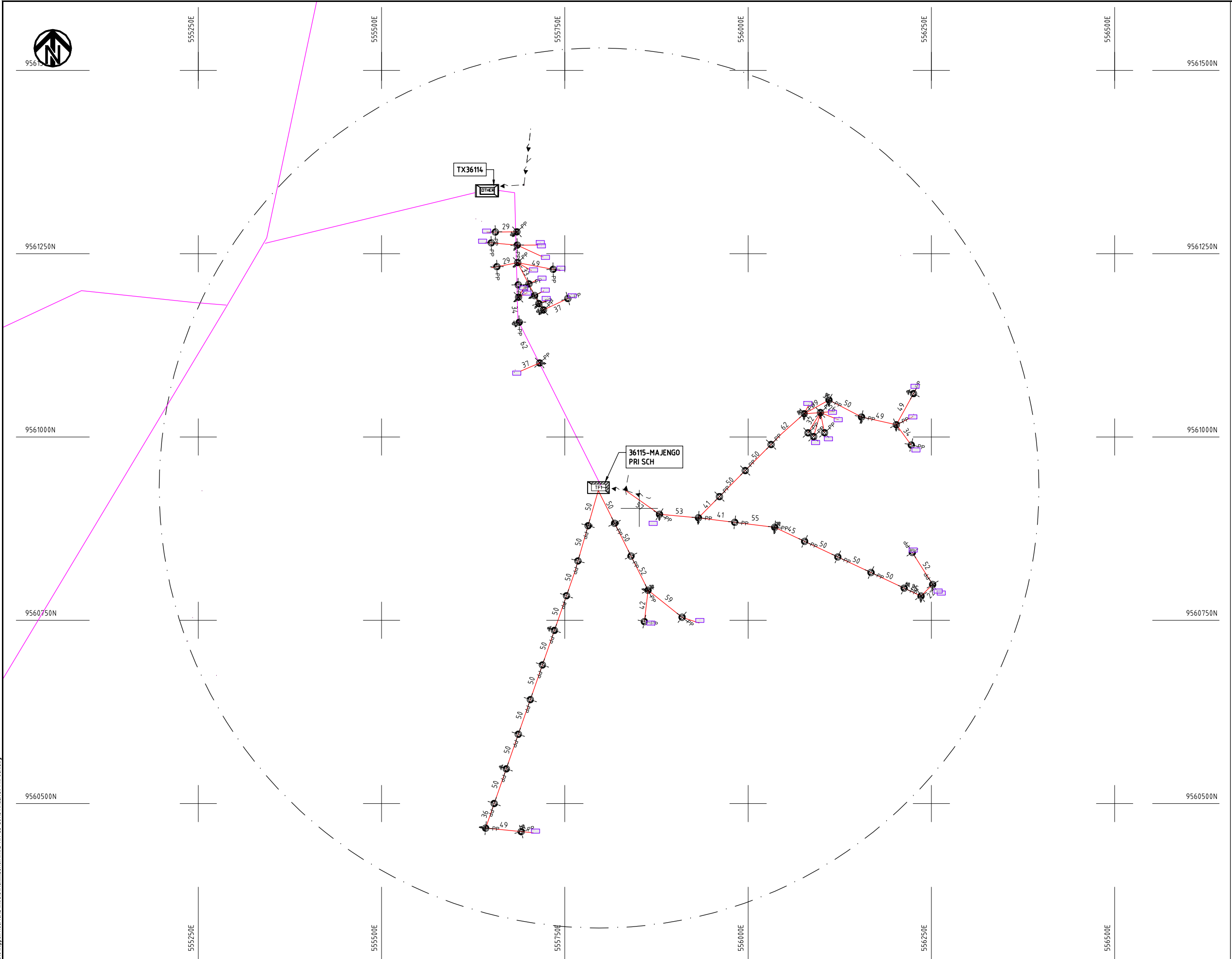
PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 36114 MAJENGO MKT

DRAW. NO.	PREPARED BY	A.AKBAR
	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-52-36114_MAJENGO MKT.dwg



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

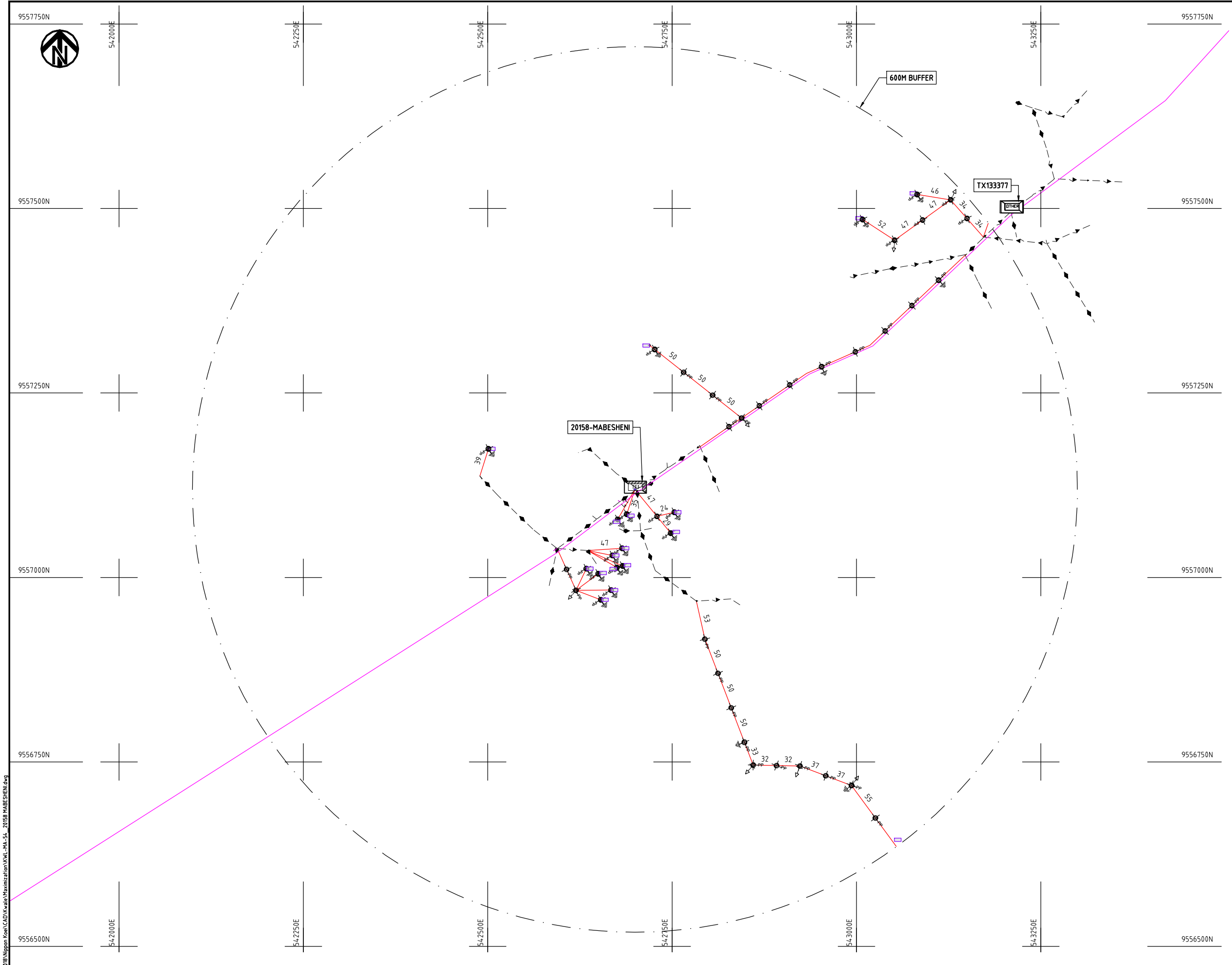
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-33-36115 MAJENGO PRI SCH.dwg

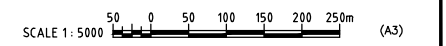
PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-53	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 36115 MAJENGO PRY SCH			DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

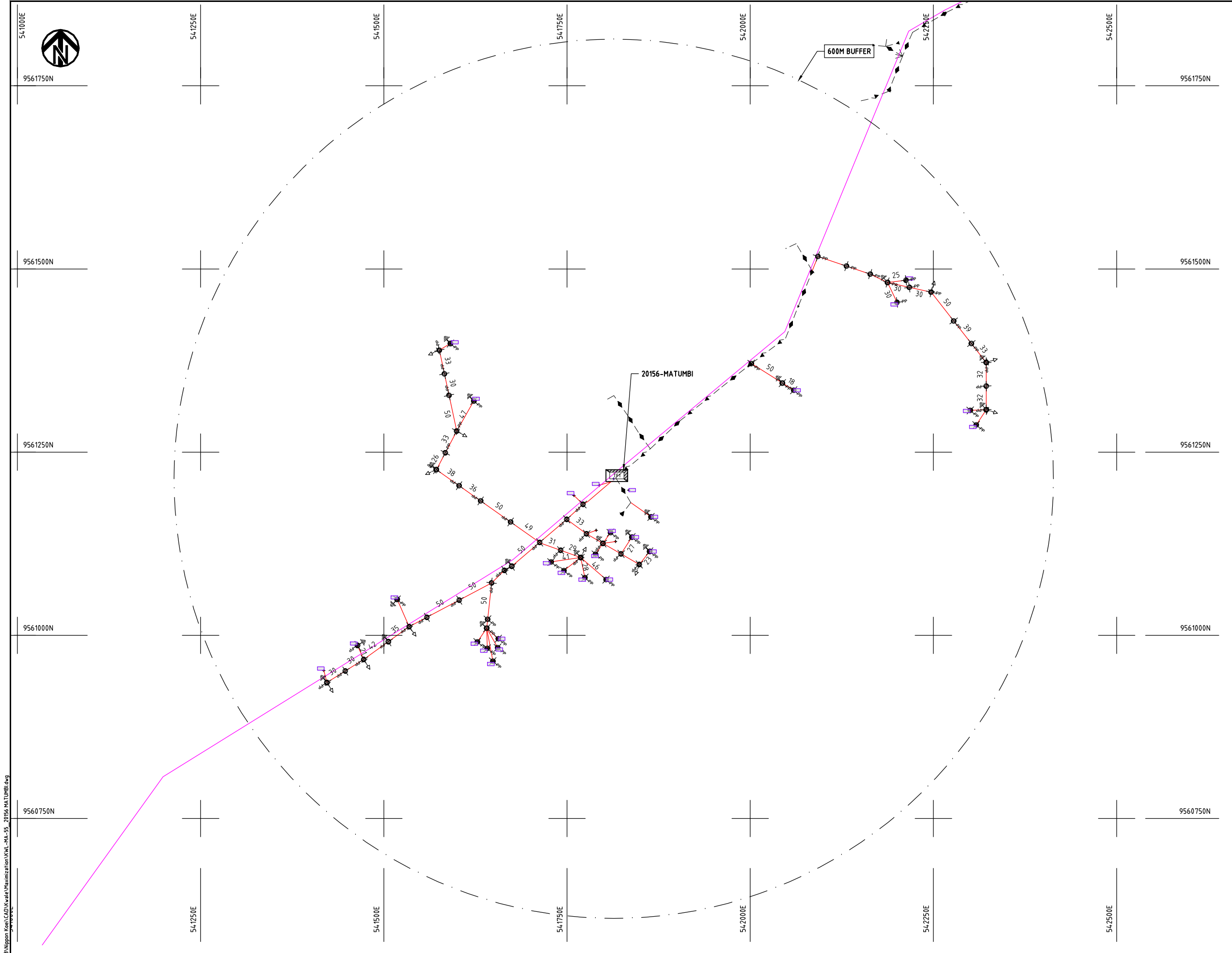
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Csd File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-54_20158_MABESHENI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KILIFI SCHEME: MAXIMIZATION PROJECT SITE: 20158 - MABESHENI		KWL-MA-54	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

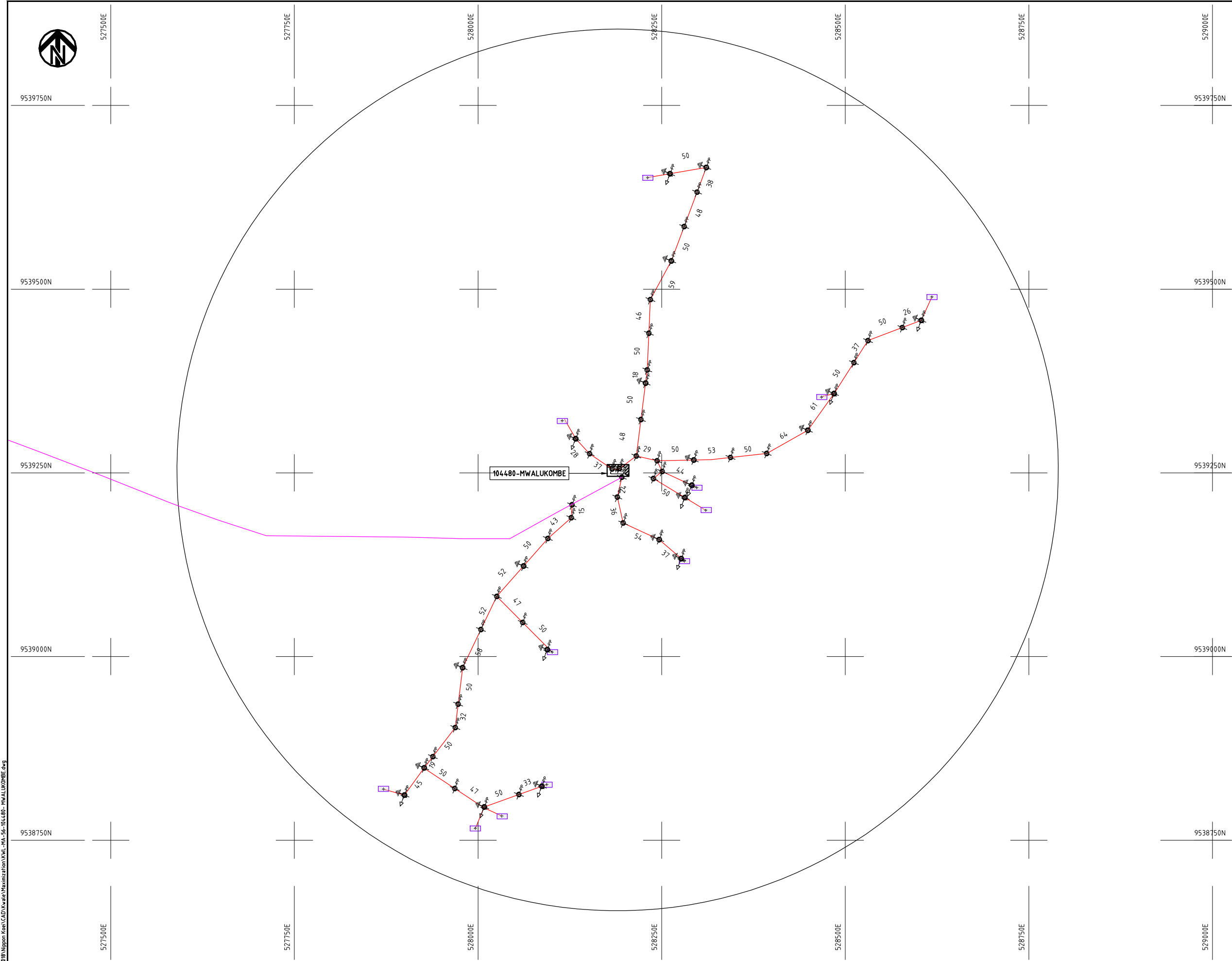
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-35_20156_MATUMBI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-55	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 20156 - MATUMBI		DATE		10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

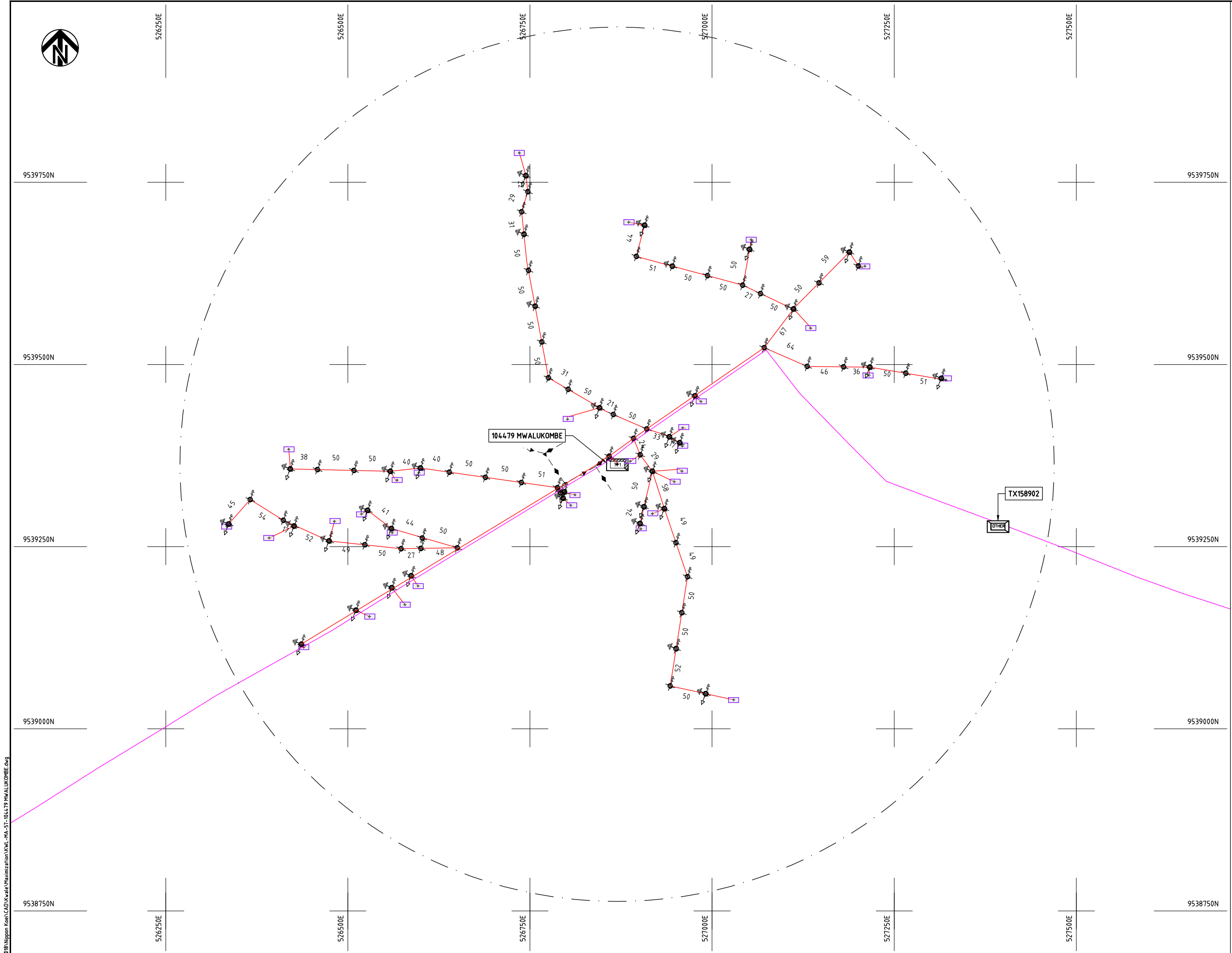
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-56-104480-MWALUKOMBE.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-56	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 104480 MWALUKOMBE			DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

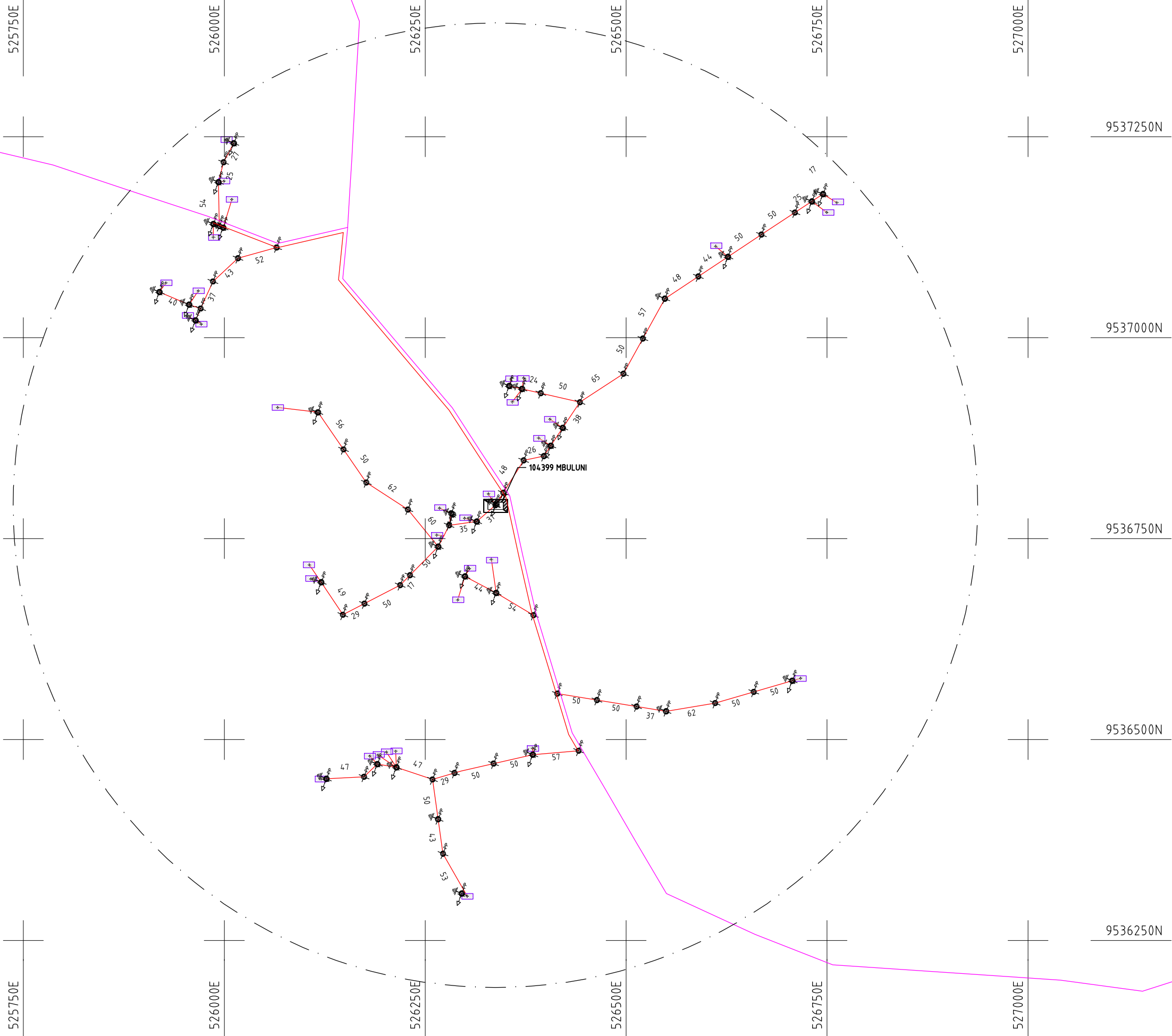
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-57-104.479 MWALUKOMBE.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-57	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 104.479 MWALUKOMBE			DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

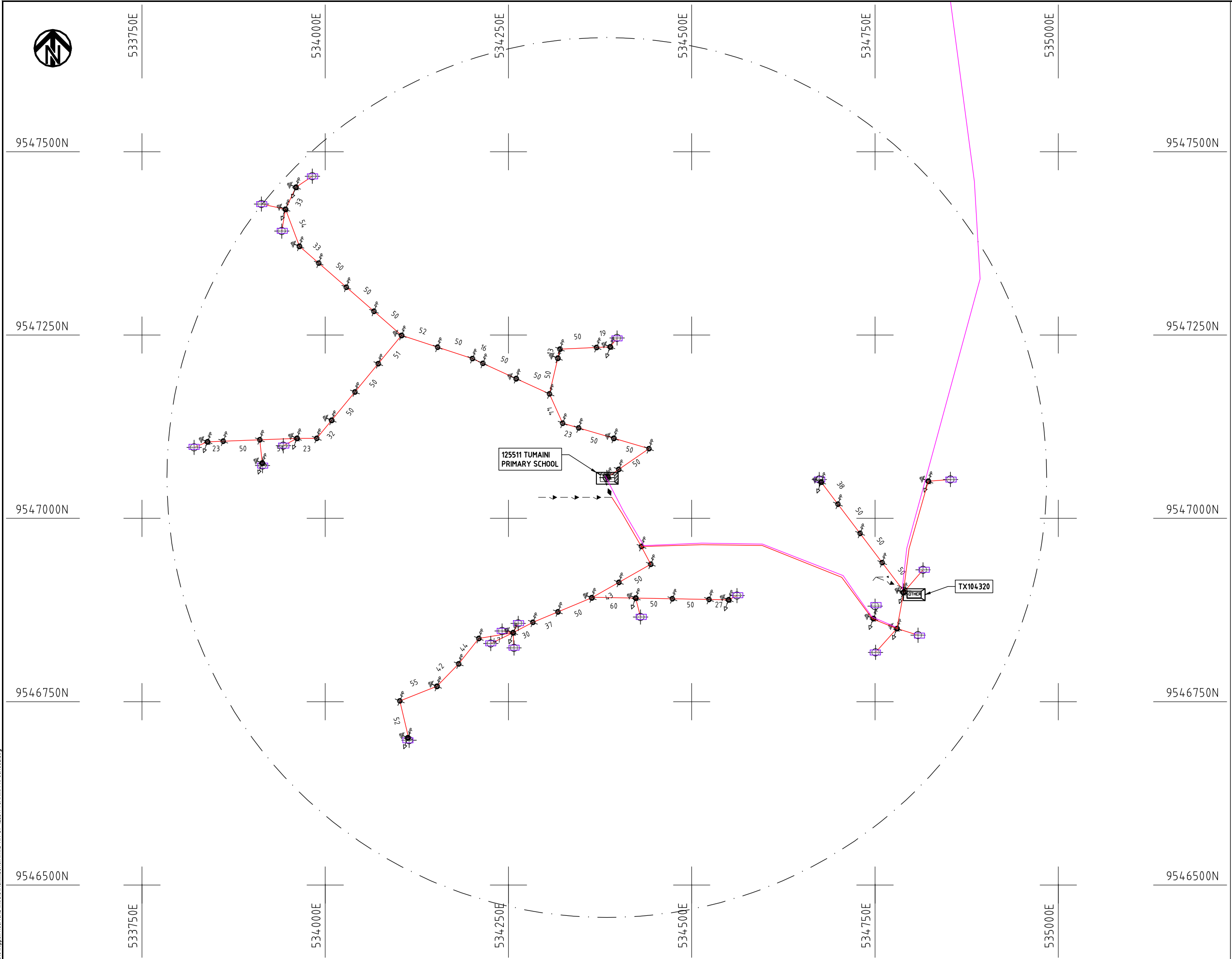
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- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\Kwale\Maximization\KWL-MA-58-104-399 MBULUNI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 104-399 MBULUNI		KWL-MA-58	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

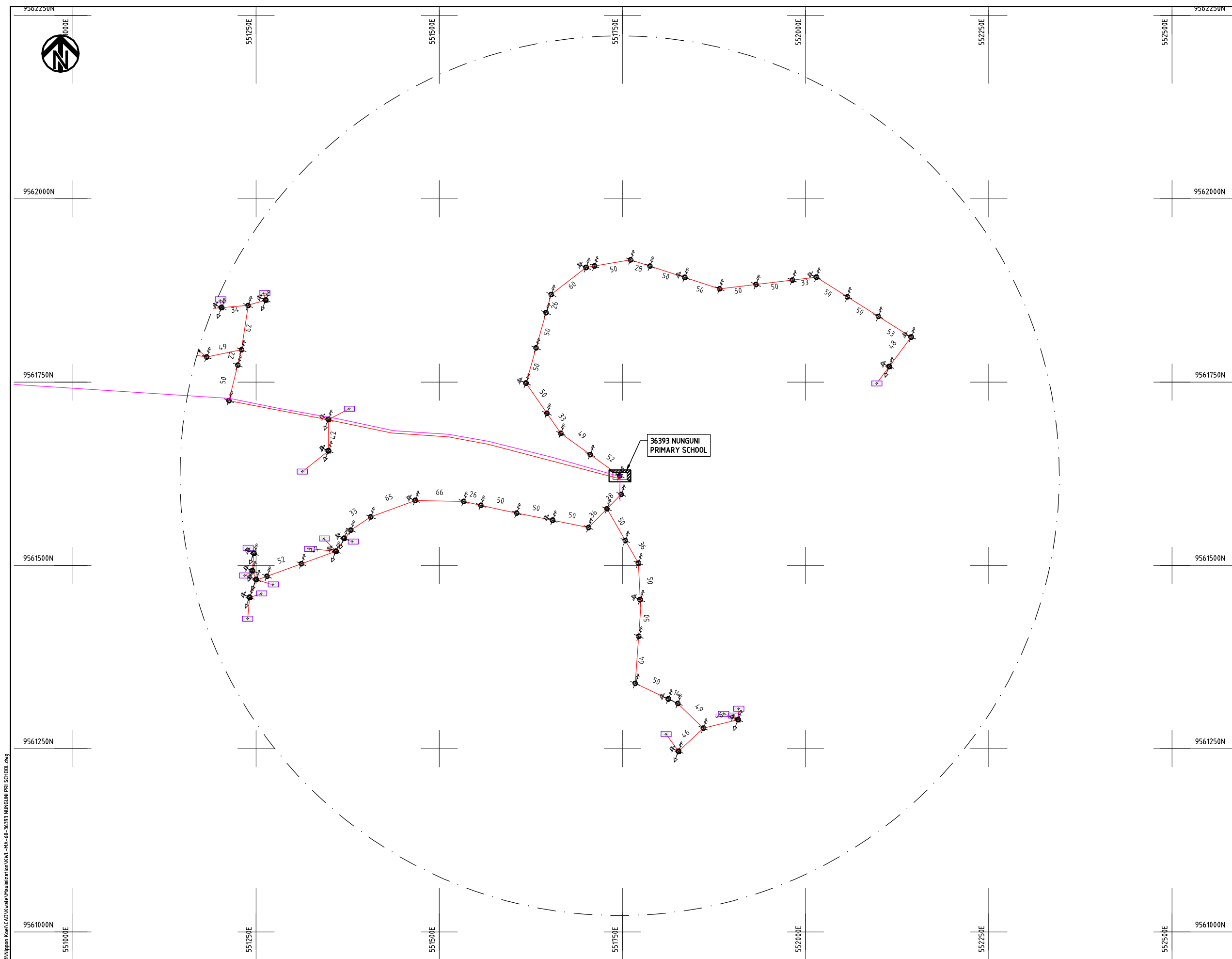
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED 11kV
 - PROPOSED 33kV
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES 12M
 - CONCRETE ELECTRIC POLES 11M
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-59-125511 TUMAINI PRI SCHOOL.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-59	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 125511 TUMAINI PRI SCHOOL			DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-60-36393 NUNGUNI PRI SCHOOL.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 36393 NUNGUNI PRI SCH		KWL-MA-60	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018



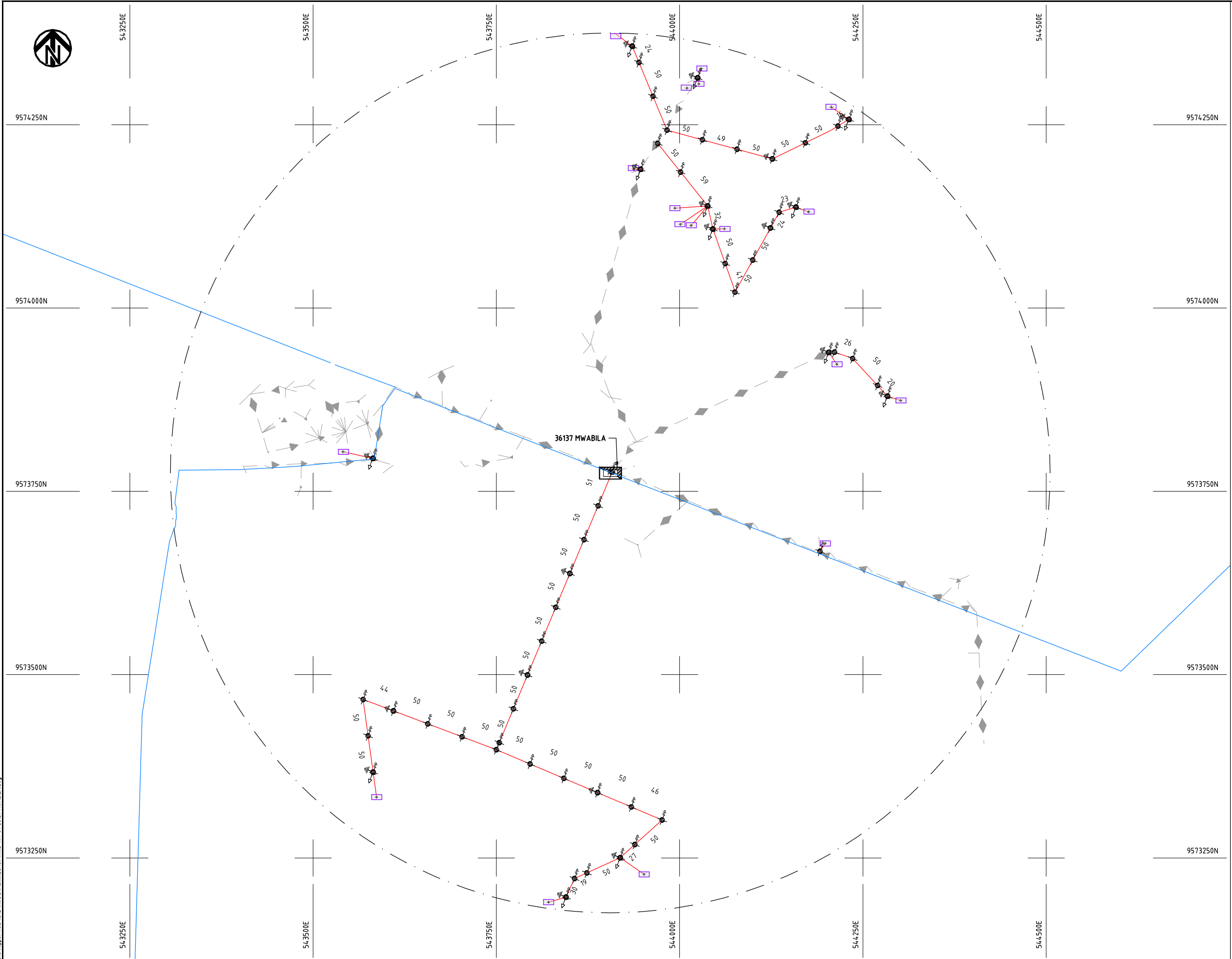


NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-61-36137 MWABILA.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-61	CHECKED BY	S.MAETA
SCHEME: MAXIMIZATION		APPROVED BY		Y.TANAKA	
PROJECT SITE: 36137 MWABILA		DATE		10th SEP 2018	





9585250N

513750E

514000E

514250E

514500E

514750E

515000E

515250E

9585250N

9585000N

9585000N

9584750N

9584750N

9584500N

9584500N

9584250N

9584250N

513750E

514000E

514250E

514500E

514750E

515000E

515250E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1:5000 (A3)

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KWALE
SCHEME: MAXIMIZATION
PROJECT SITE: 19361 TARU SEC

DRAW. NO.

KWL-MA-63

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

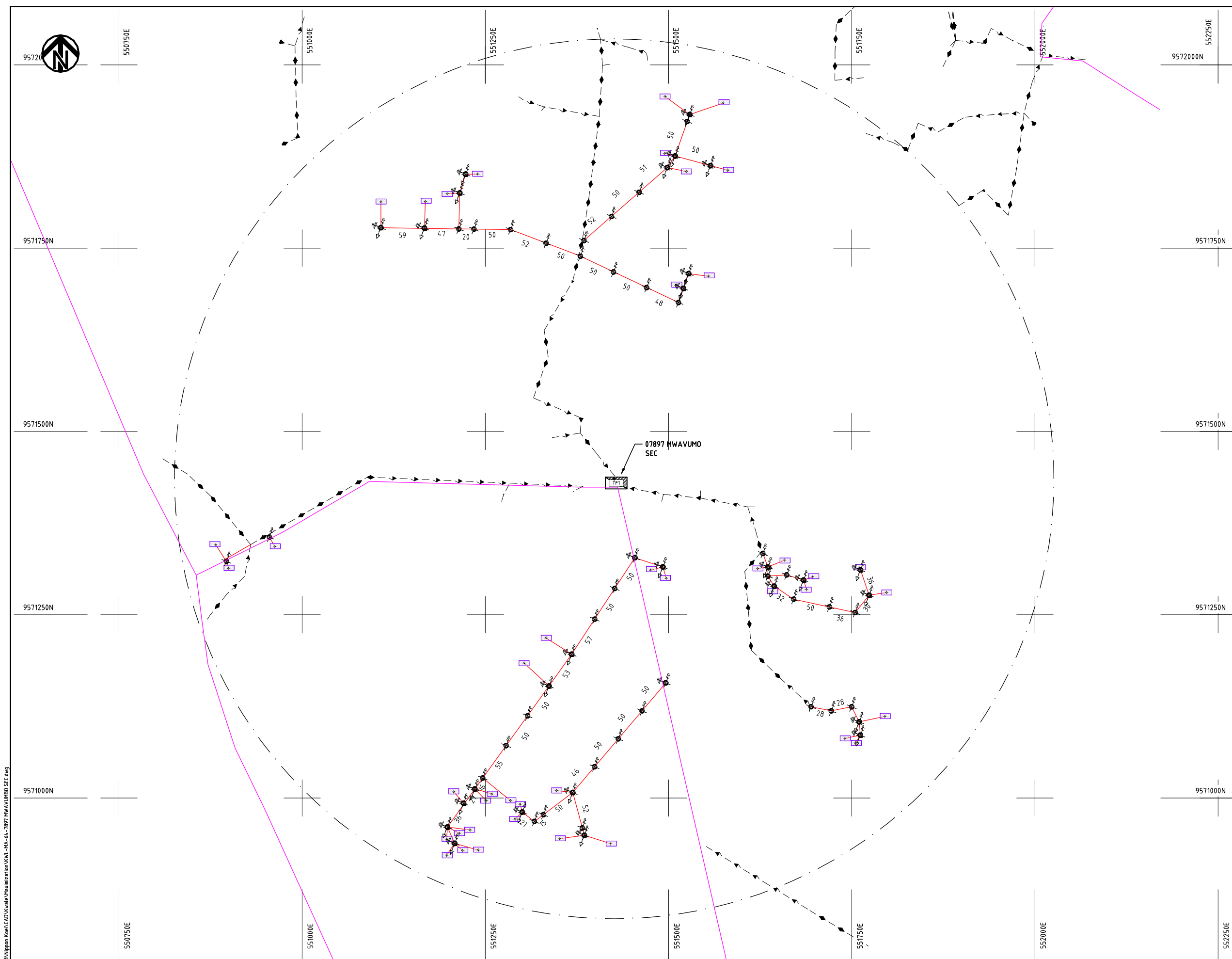
APPROVED BY

Y.TANAKA

DATE

10th SEP 2018

NIPPON KOEI CO., LTD



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

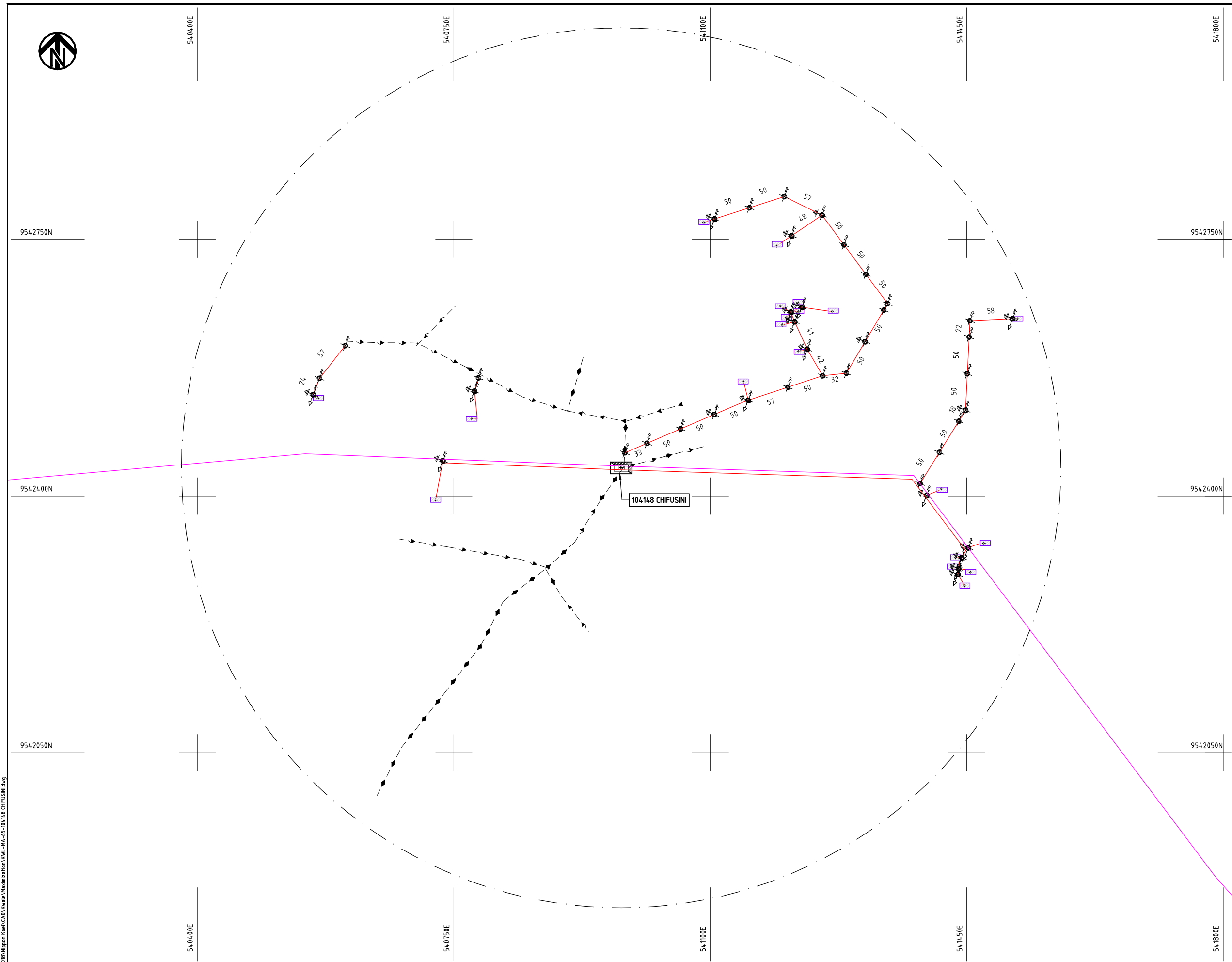
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-64-7897 MWAVUMBO SEC.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-64	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 7897 MWAVUMBO SEC			DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



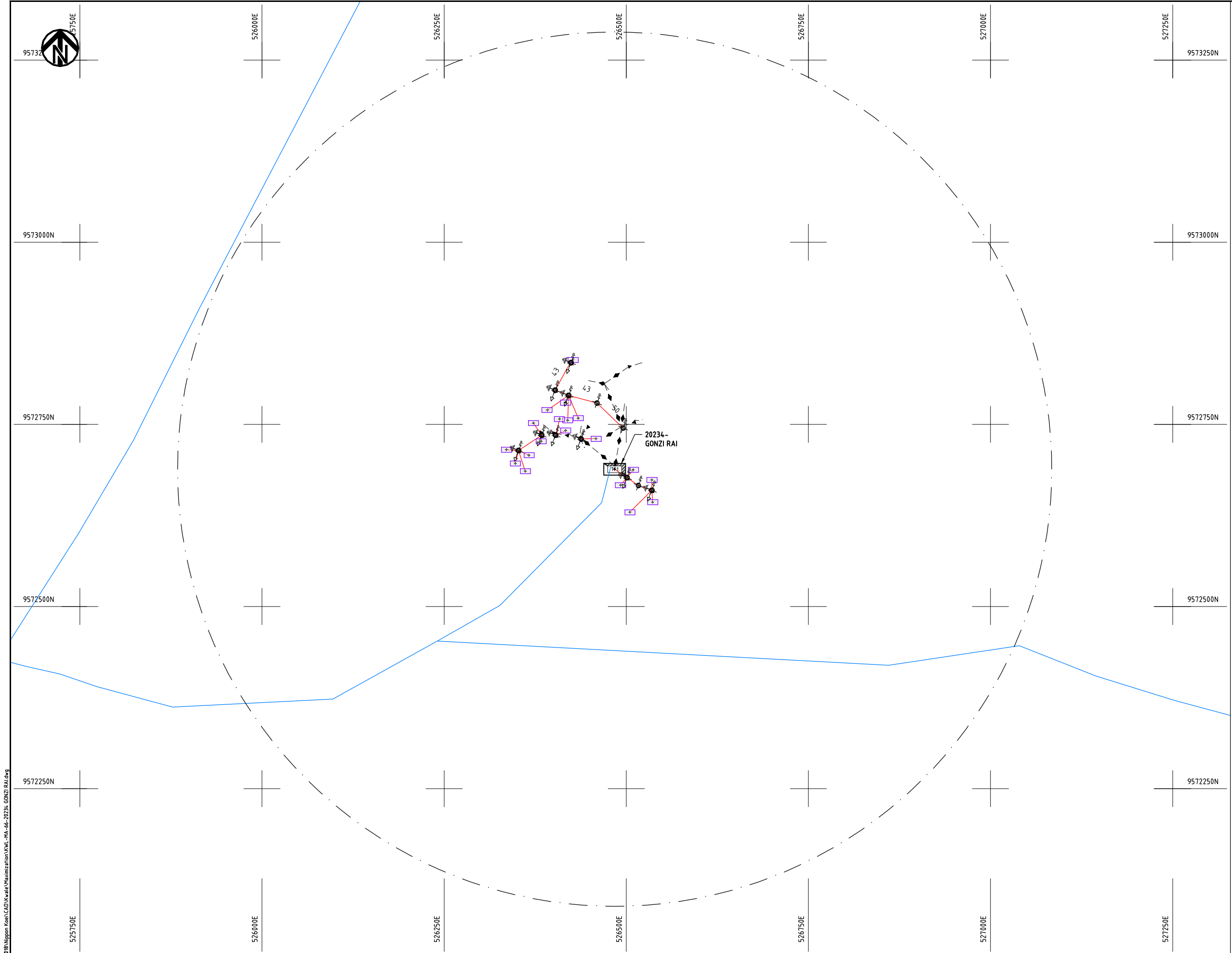
PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 104148 CHIFUSINI

DRAW. NO.	PREPARED BY	A.AKBAR
KWL-MA-65	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018

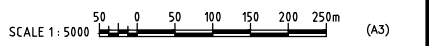


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- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED 11kV
 - PROPOSED 33kV
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CP CONCRETE ELECTRIC POLES 12M
 - CP CONCRETE ELECTRIC POLES 11M
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-66-20234-GONZI RAI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE	Scheme: MAXIMIZATION	KWL-MA-66	CHECKED BY	S.MAETA
	PROJECT SITE: 20234 GONZI RAI			APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





9573500N

524500E

524750E

525000E

525250E

525500E

525750E

9573500N

9573250N

9573250N

9573000N

9573000N

9572750N

9572750N

9572500N

9572500N

524500E

524750E

525000E

525250E

525500E

525750E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

SCALE 1:5000 (A3)

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KWALE
SCHEME: MAXIMIZATION
PROJECT SITE: 126072 CHIVUNDE

DRAW. NO.

KWL-MA-67

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

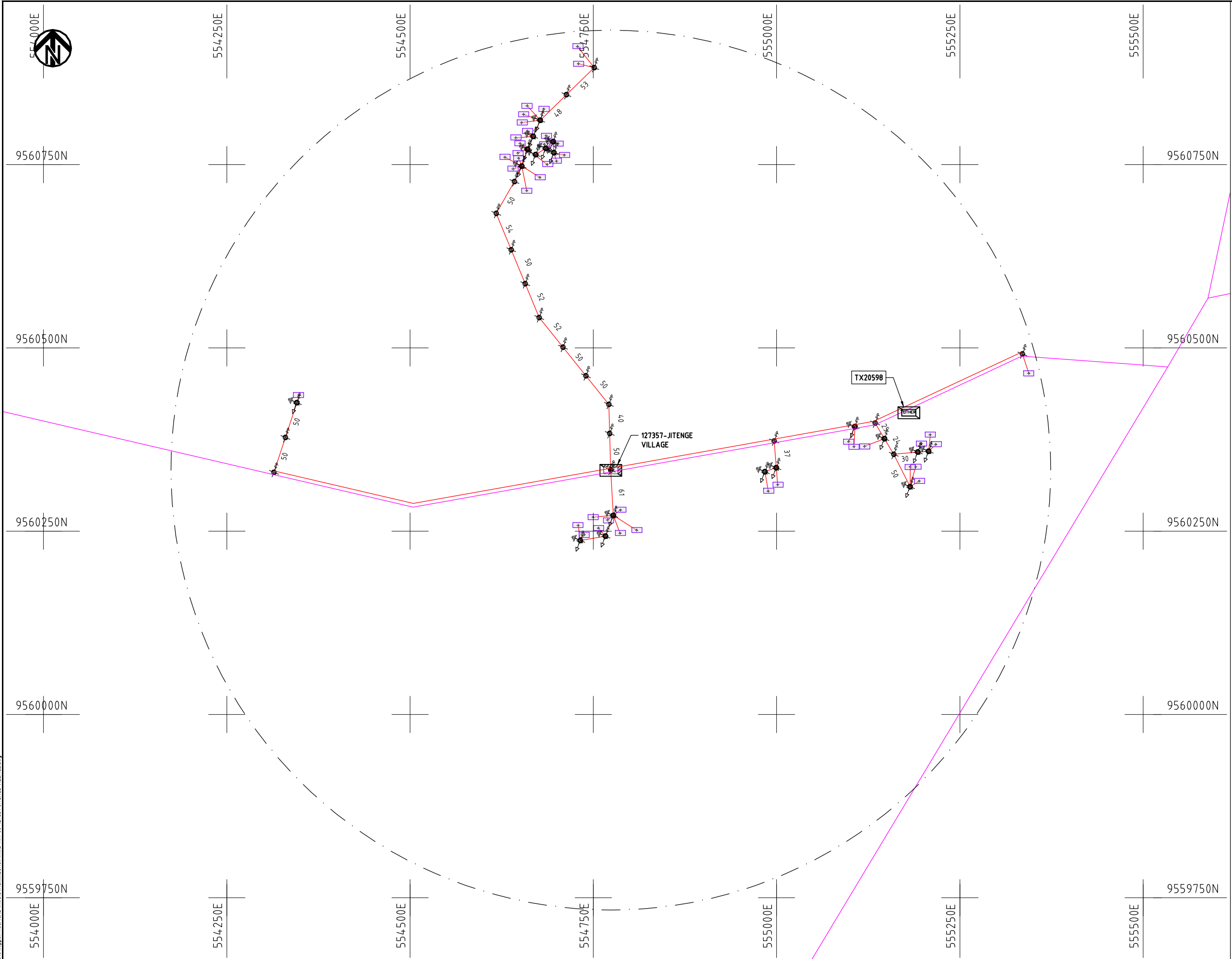
APPROVED BY

Y.TANAKA

DATE

10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\Kwale\Maximization\KWL-MA-68-127357_JITENGE VILLAGE.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 127357 JITENGE VILLAGE		KWL-MA-68	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





9540250N

9540000N

9539750N

9539500N

9539250N

500750E

501000E

501250E

501500E

501750E

502000E

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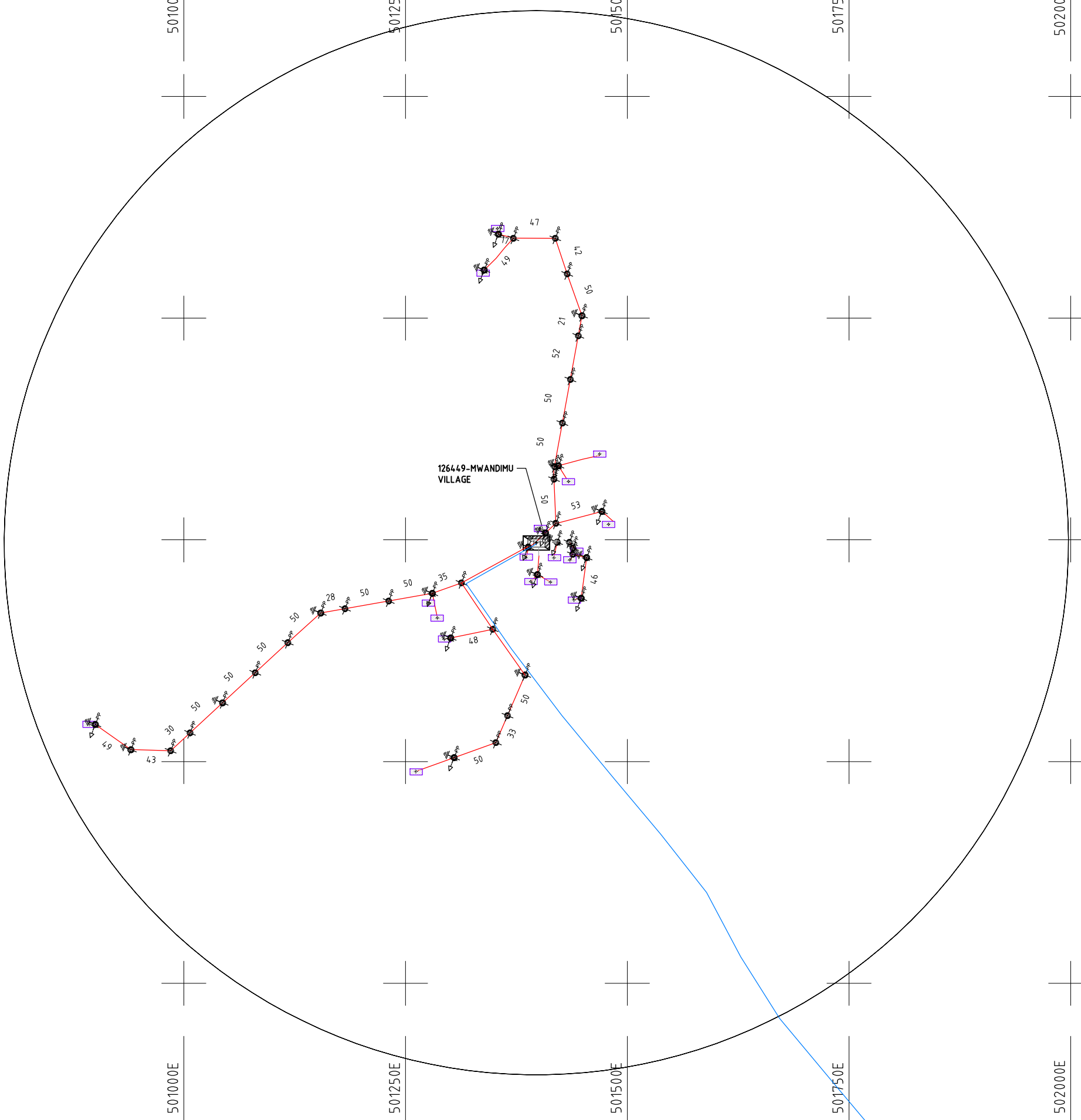
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NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



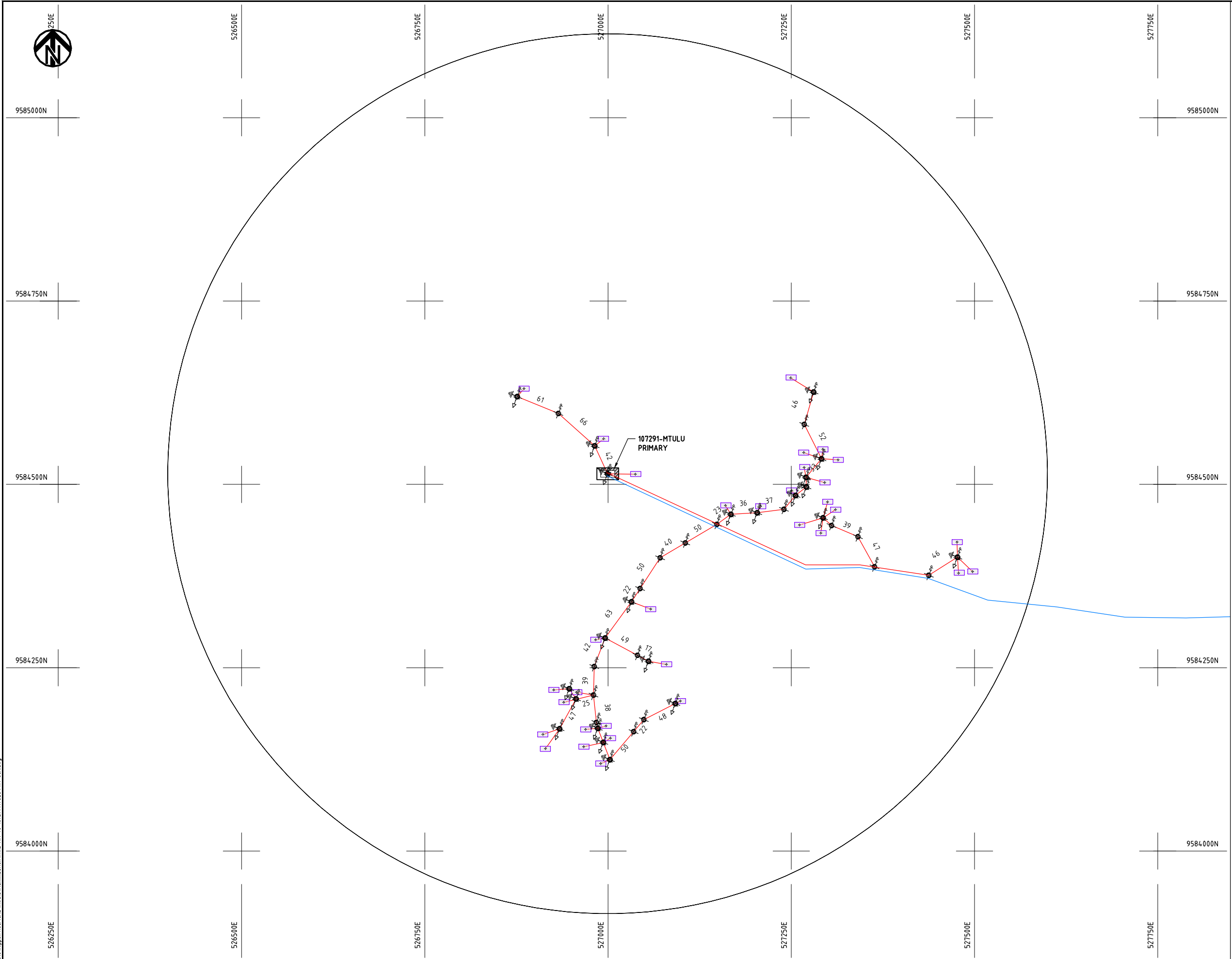
PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 126449 MWANDIMU VILLAGE

DRAW. NO.	PREPARED BY	A.AKBAR
KWL-MA-69	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



Cad File No.: D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-69-126449 MWANDIMU VILLAGE.dwg
 2018/10/30 14:28:00



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



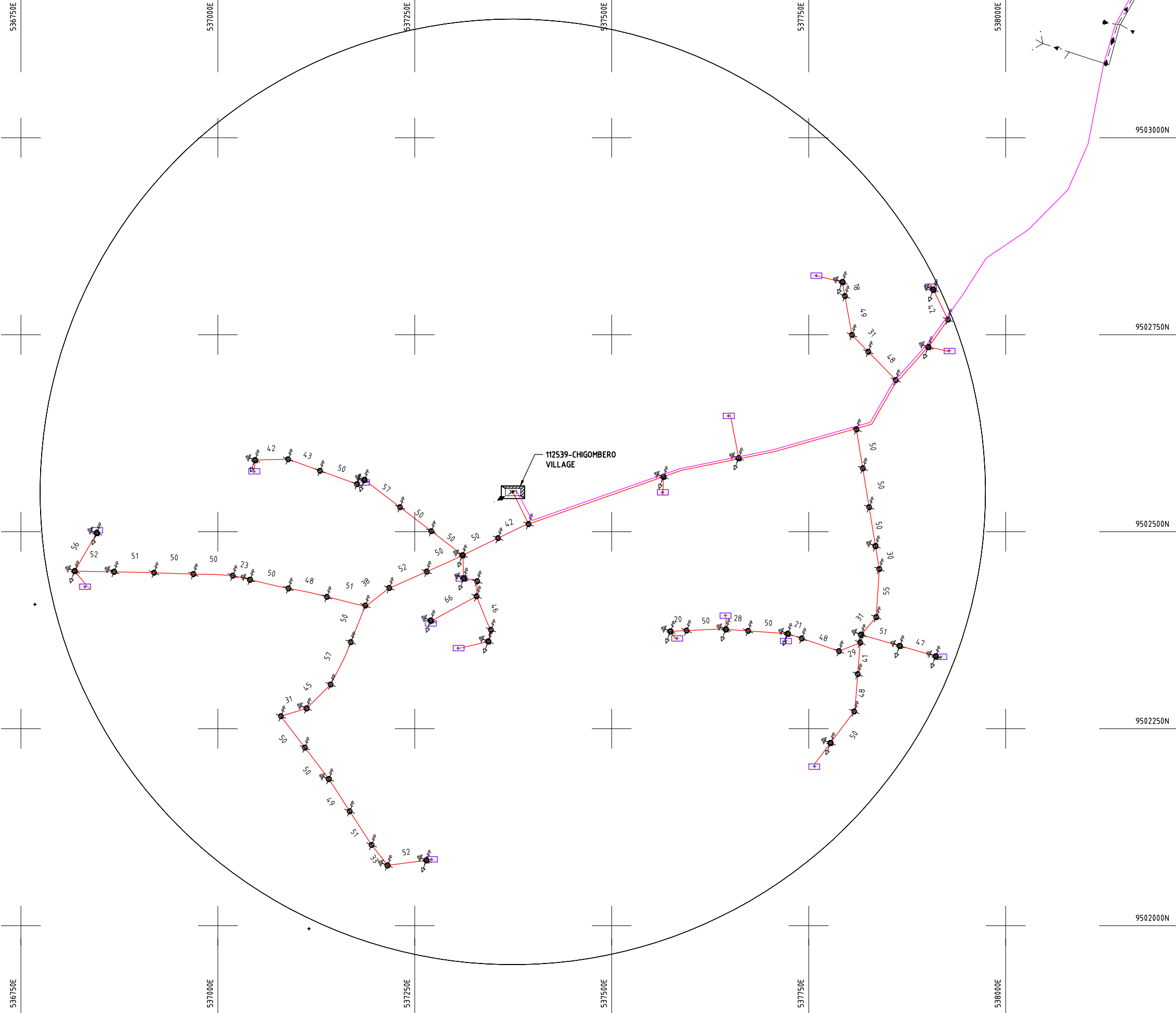
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PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 107291 MUTULU PRI SCH

DRAW. NO.	PREPARED BY	A.AKBAR
KWL-MA-70	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

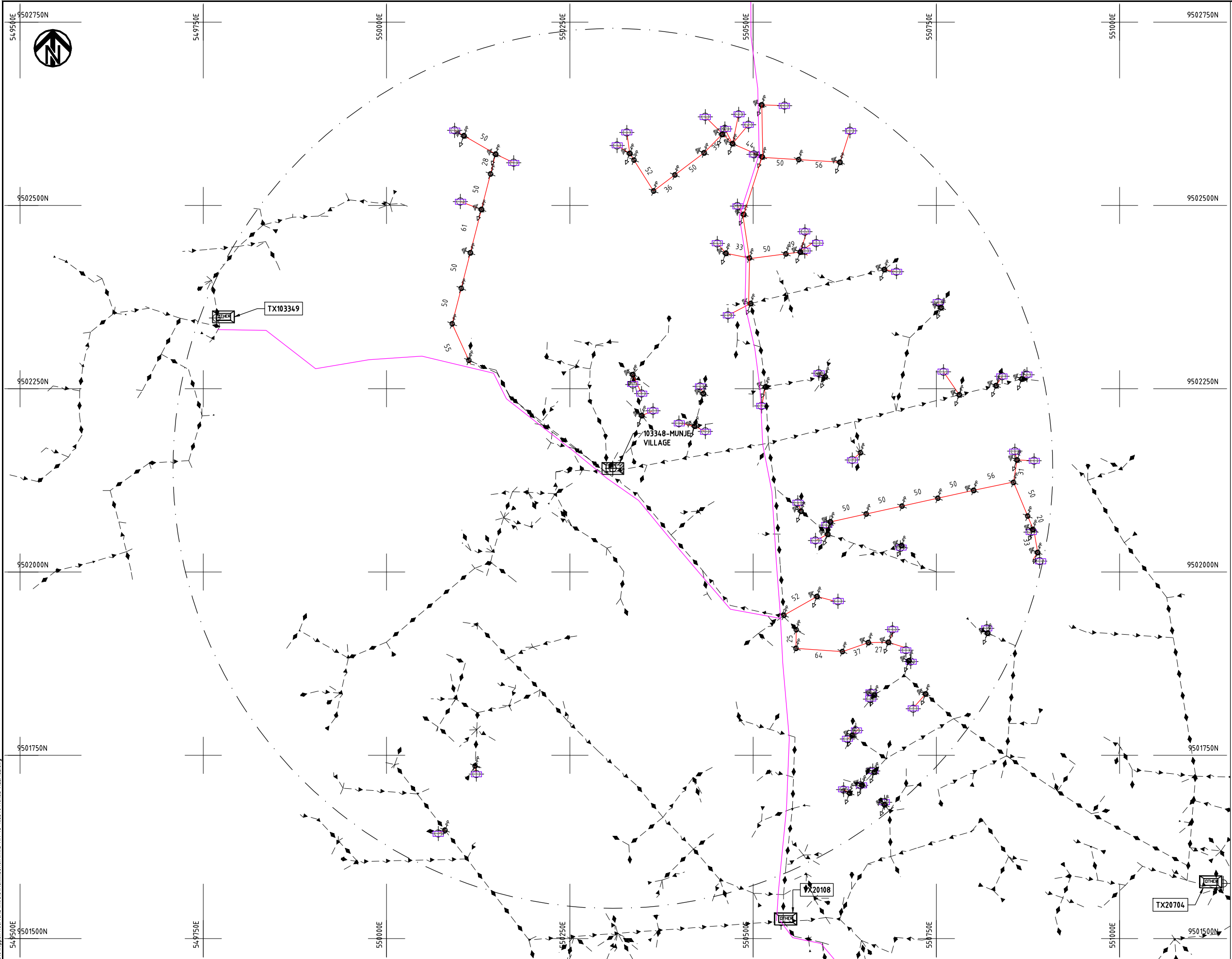
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-72-112539-CHIGOMBERO VILLAGE_L_LUNGA KWALE.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-72	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 112539 CHIGOMBERO VILLAGE L_LUNGA KWALE			DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

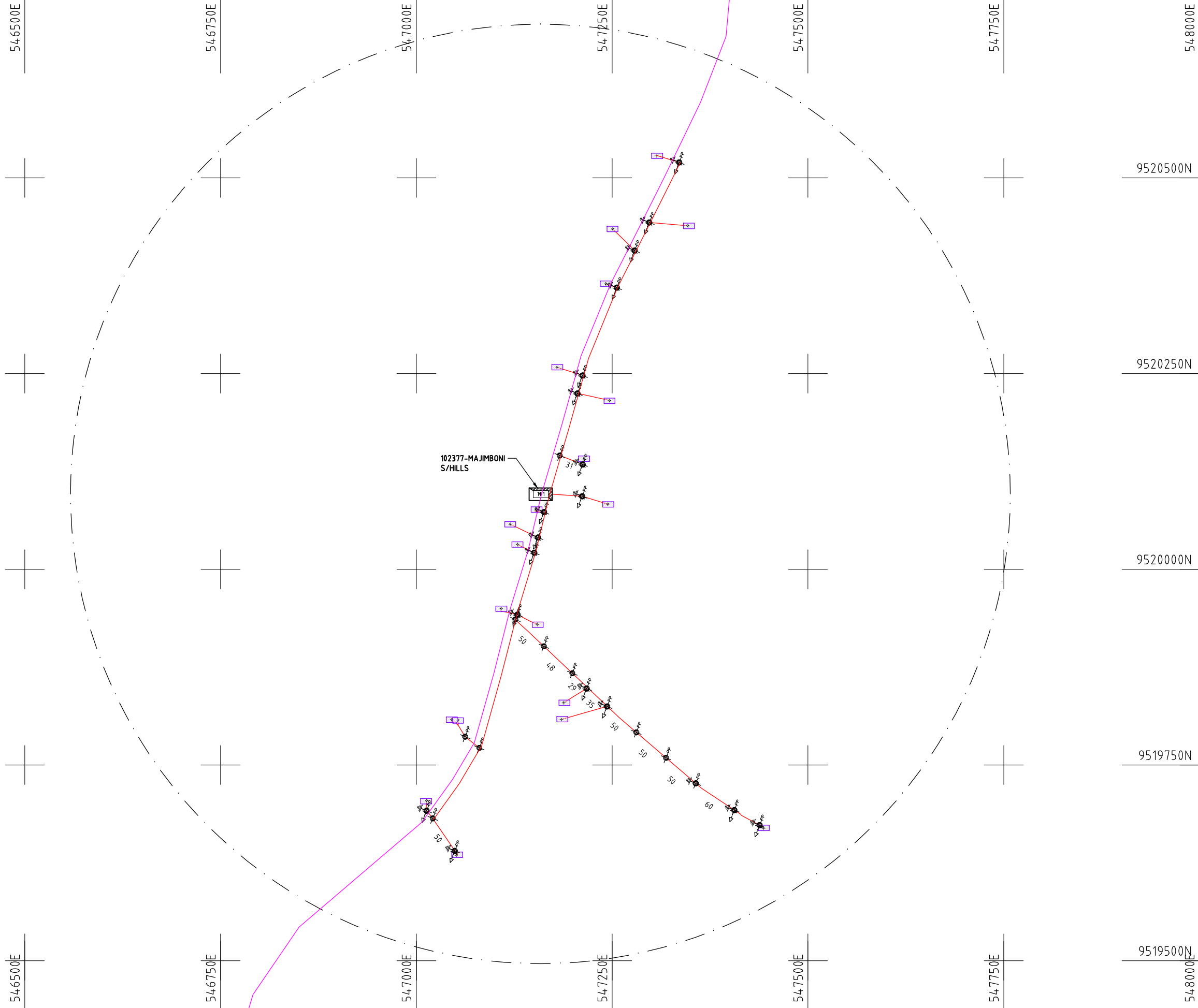
LEGEND

	HOUSEHOLDS/ BUILDINGS
	PROPOSED 11kV
	PROPOSED 33kV
	PROPOSED DISTRIBUTION LINE
	EXISTING 11kV LINE
	EXISTING 33kV LINE
	EXISTING DISTRIBUTION LINE
	MAXIMISATION TRANSFORMER
	EXTENSION TRANSFORMER
	WOODEN ELECTRIC POLES
	CONCRETE ELECTRIC POLES 12M
	CONCRETE ELECTRIC POLES 11M
	LV-EARTH
	PME -PROTECTIVE MULTIPLE EARTHING
	STAY

Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-73-103348 MUNJE VILLAGE.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-73	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 103348 MUNJE VILLAGE			DATE	10th SEP 2018



**NOTES:**

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

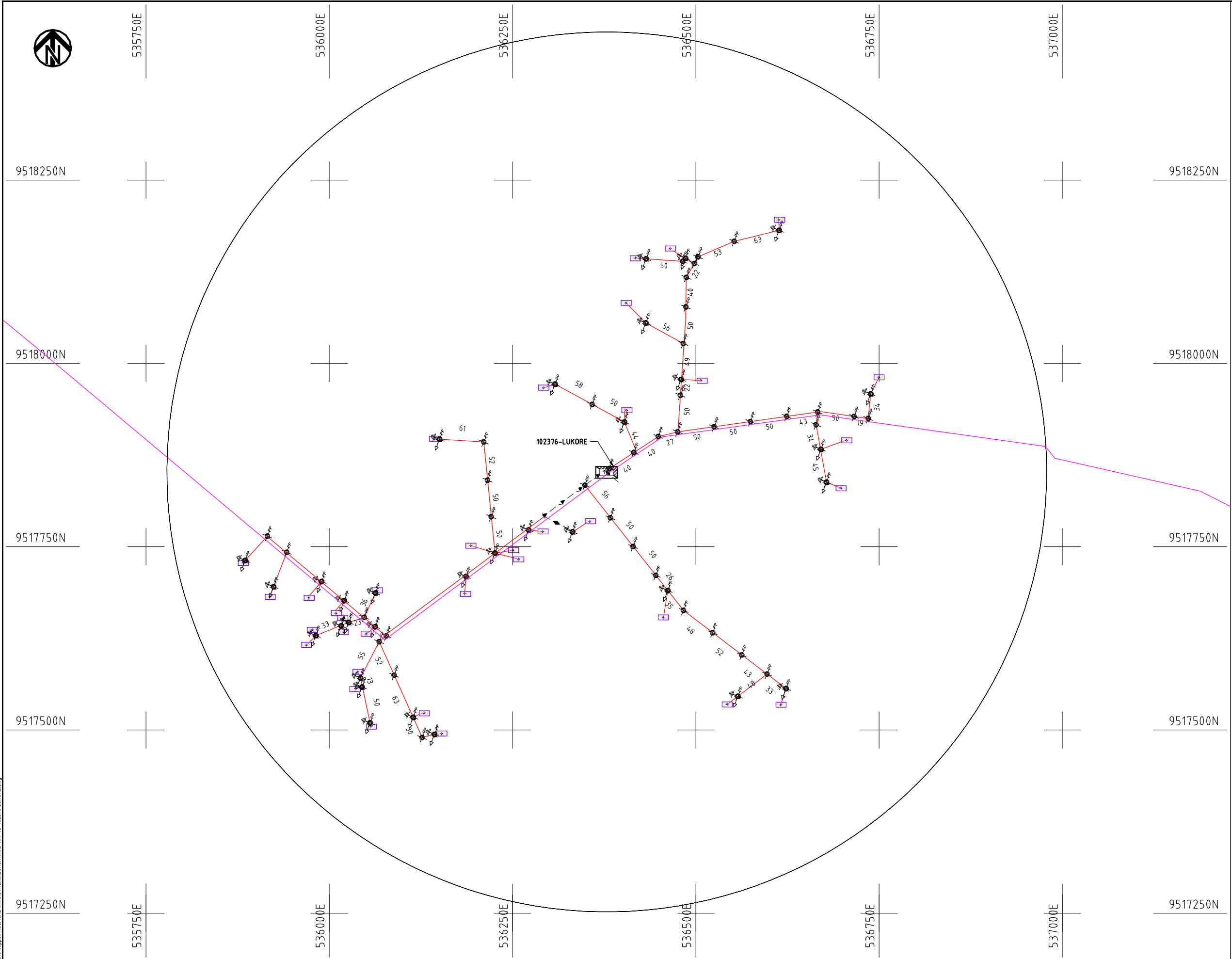
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- PP WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES 12M
- CP CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-74-102377 MAJIMBONI S.HILL.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-74	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 102377 MAJIMBONI S/HILLS			DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

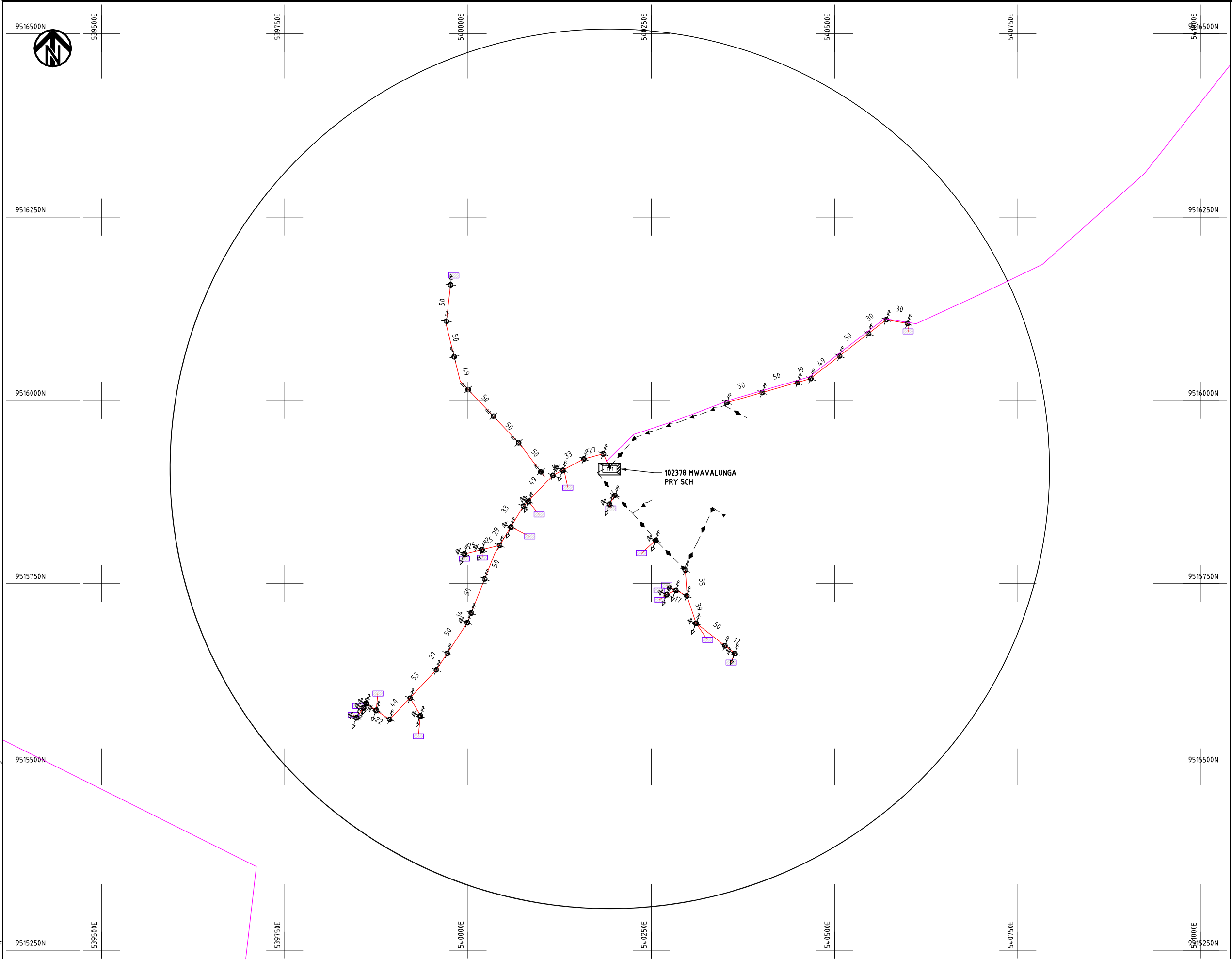
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-75-102376 LUKORE.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 102376 LUKORE		KWL-MA-75	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018



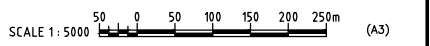


NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-76-102378 MWALUVANGA.dwg

PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 102378 MWALUVANGA PRY SCH

DRAW. NO.	PREPARED BY	A.AKBAR
KWL-MA-76	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





9522500N

54.3500E

54.3750E

54.4000E

54.4250E

54.4500E

54.4750E

9522500N

9522250N

9522250N

9522000N

9522000N

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54.3750E

54.4000E

54.4250E

54.4500E

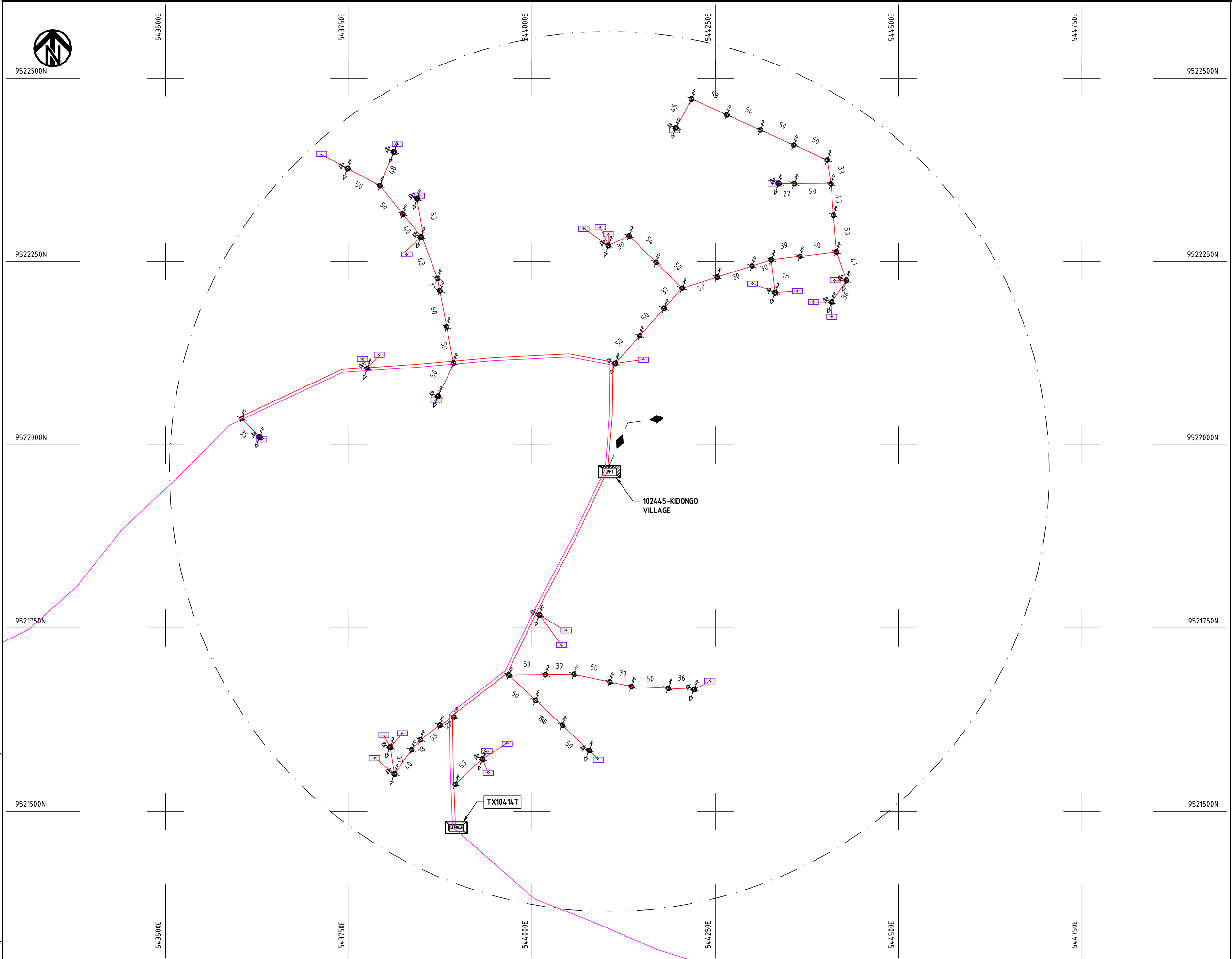
54.4750E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



PROJECT:
 THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 102445 KIDONGO VILLAGE

DRAW. NO.	PREPARED BY	A.AKBAR
KWL-MA-77	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-77-102445 KIDONGO VILLAGE.dwg



9527500N

9527250N

9527000N

9526750N

9526500N

538500E

538750E

539000E

539250E

539500E

539750E

9527500N

9527250N

9527000N

9526750N

9526500N

538500E

538750E

539000E

539250E

539500E

539750E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

103639-MWELE VILLAGE-KWALE

TF1

4.4



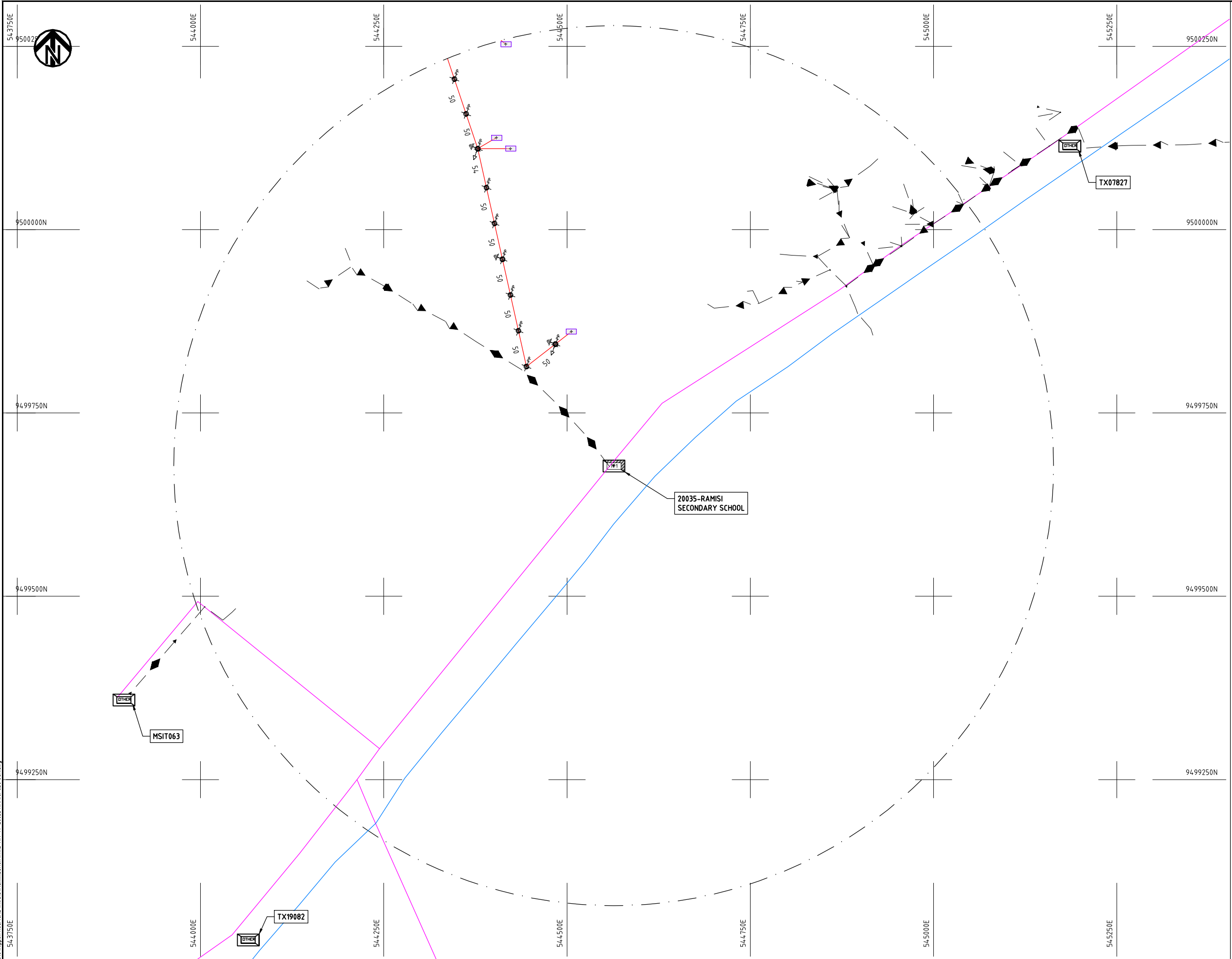
PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: MAXIMIZATION
 PROJECT SITE: 103639 MWELE VILAGE KWALE

DRAW. NO.	PREPARED BY	A.AKBAR
KWL-MA-78	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018



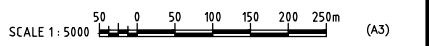
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- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

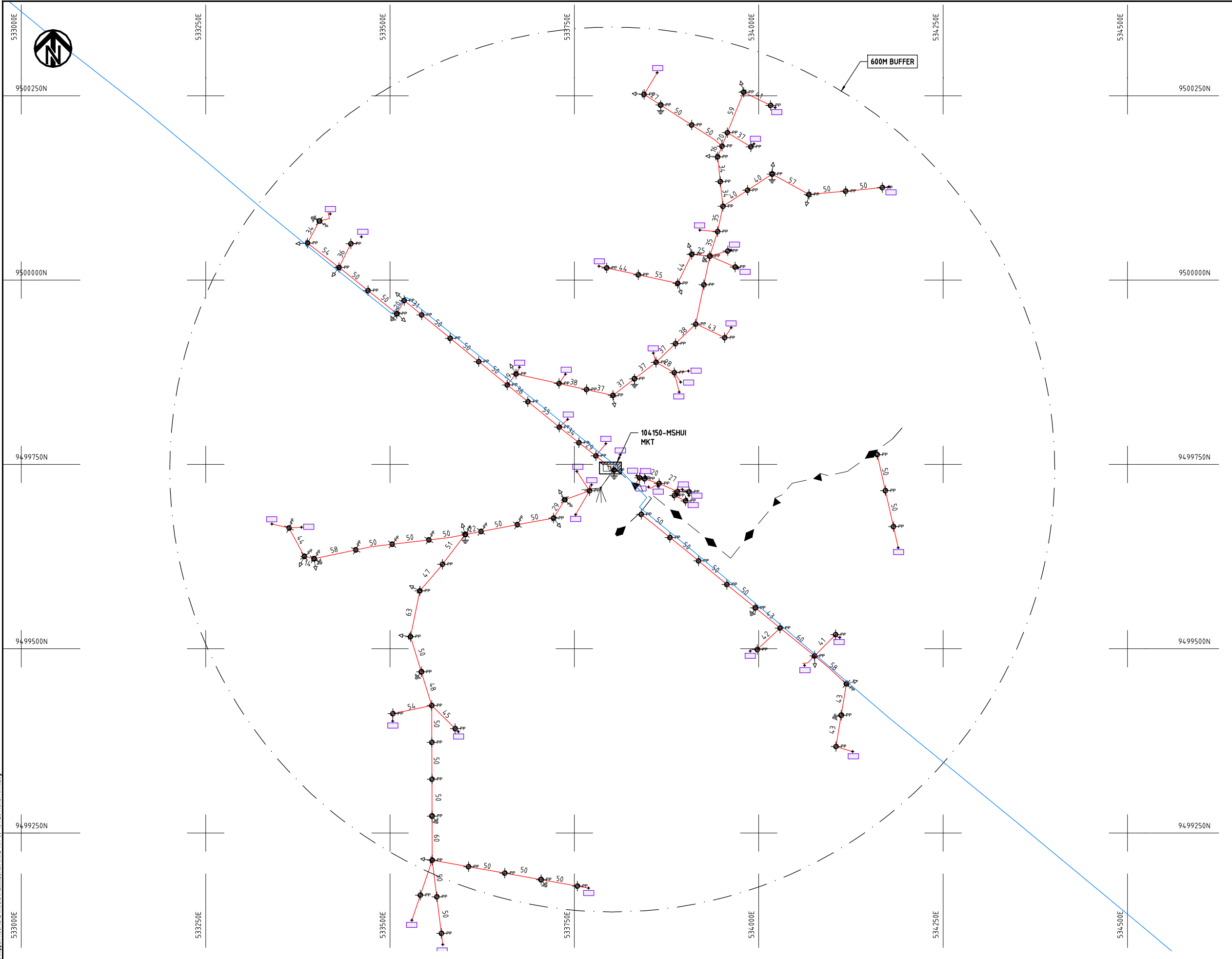
	HOUSEHOLDS/ BUILDINGS
	PROPOSED 11kV
	PROPOSED 33kV
	PROPOSED DISTRIBUTION LINE
	EXISTING 11kV LINE
	EXISTING 33kV LINE
	EXISTING DISTRIBUTION LINE
	MAXIMISATION TRANSFORMER
	EXTENSION TRANSFORMER
	WOODEN ELECTRIC POLES
	CONCRETE ELECTRIC POLES 12M
	CONCRETE ELECTRIC POLES 11M
	LV-EARTH
	PME -PROTECTIVE MULTIPLE EARTHING
	STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-79-20035 RAMISI SEC SCH.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE	Scheme: MAXIMIZATION	KWL-MA-79	CHECKED BY	S.MAETA
	PROJECT SITE: 20035 RAMISI SEC SCH			APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

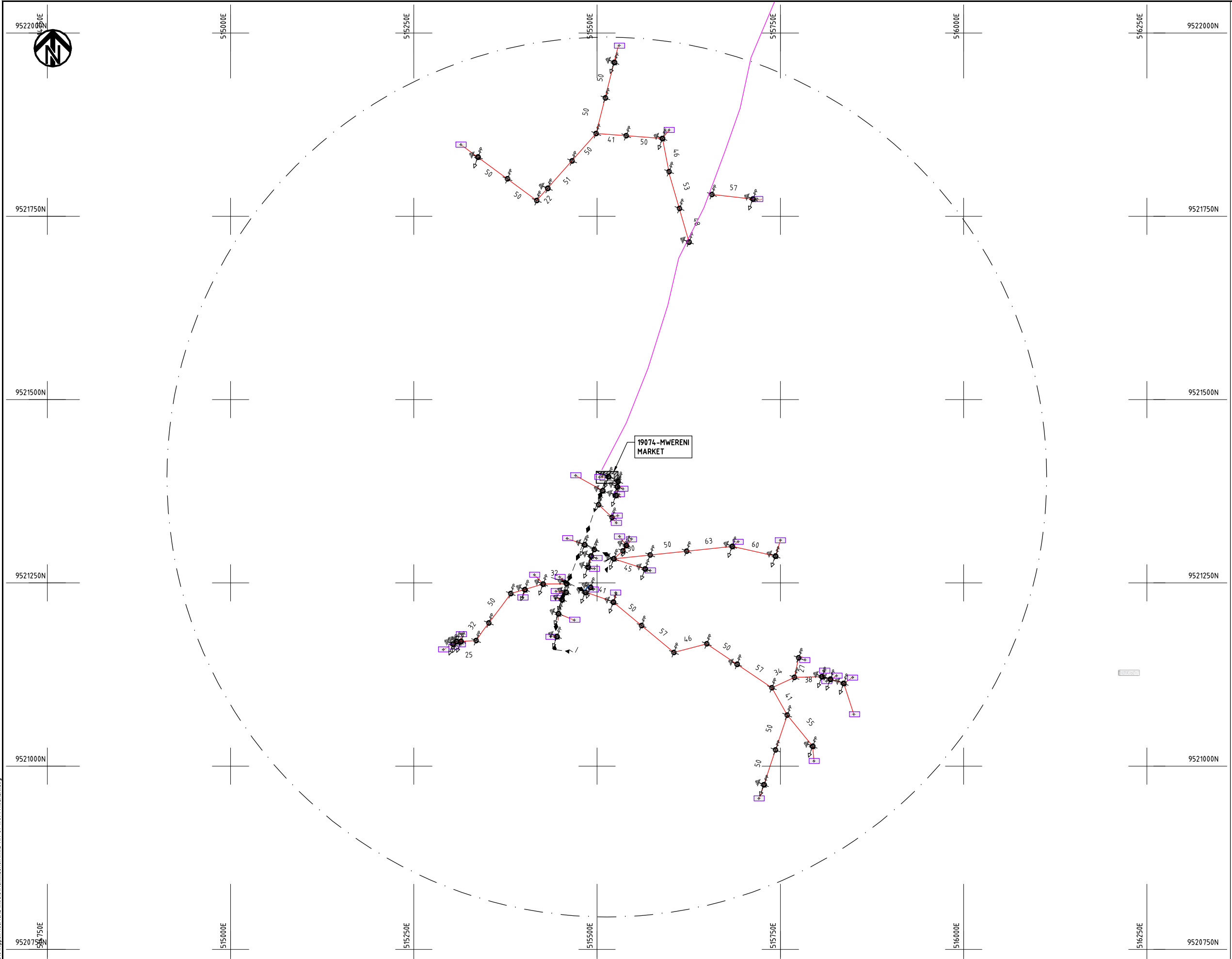
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximisation\KWL-MA-80-104150 MSHUI MKT.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 104150-MSHUI MKT.		KWL-MA-80	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

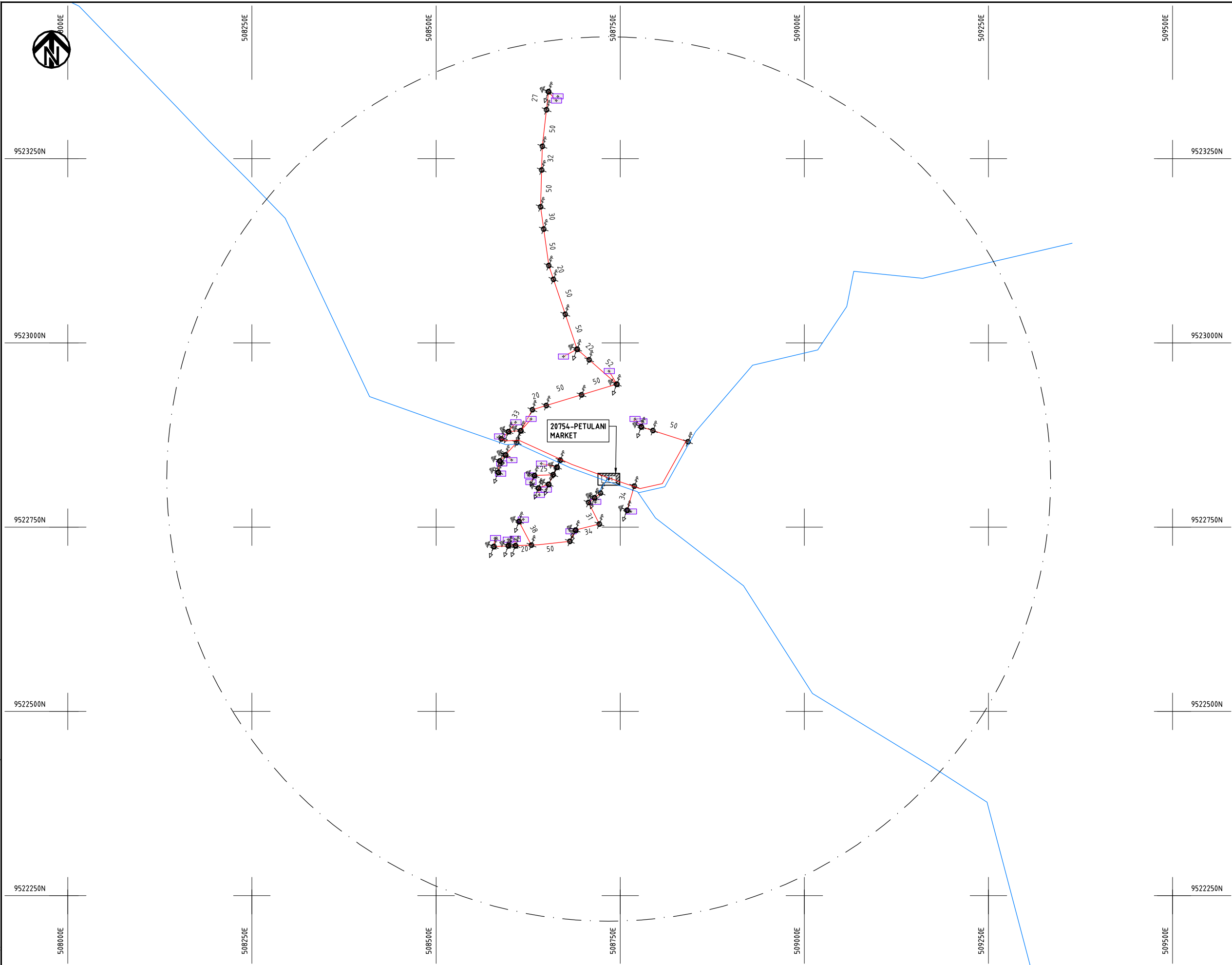
- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 19074 MWERENI		DRAW. NO.	PREPARED BY	A.AKBAR
			KWL-MA-81	CHECKED BY	S.MAETA
			APPROVED BY	Y.TANAKA	
			DATE	10th SEP 2018	





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

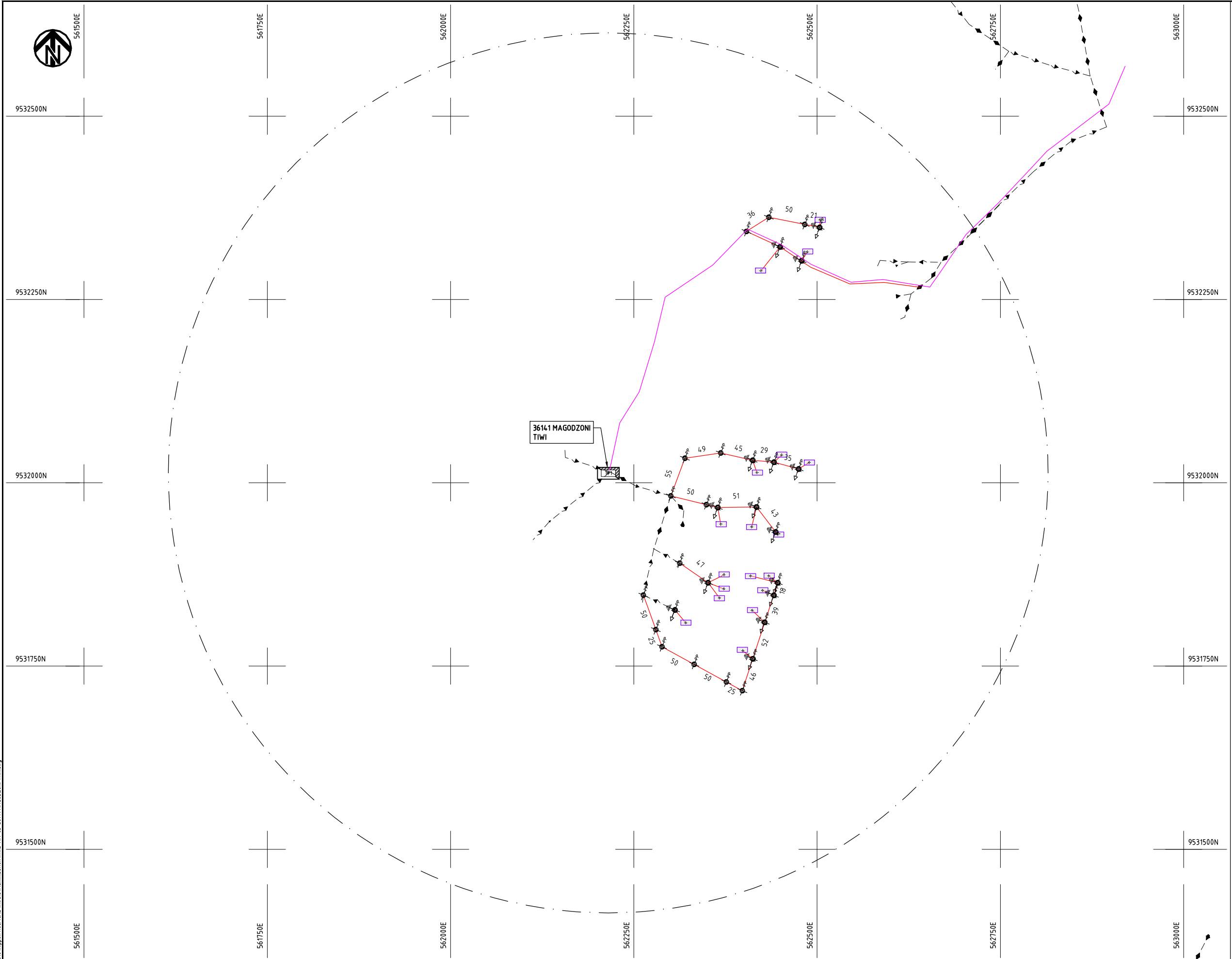
LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- PP WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES 12M
- CP CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 20754 PETULANI MARKET		KWL-MA-82	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-83-36141 MAGODZONI TIWI.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 36141 MAGODZONI TIWI		KWL-MA-83	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





9535000N

524000E

524250E

524500E

524750E

525000E

525250E

9535000N

9534750N

9534750N

9534500N

9534500N

9534250N

9534250N

9534000N

9534000N

524000E

524250E

524500E

524750E

525000E

525250E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY

124549-BUMBANI
PRIMARY
SCHOOL

SCALE 1:5000 (A3)

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KWALE
SCHEME: MAXIMIZATION
PROJECT SITE: 124549 BUMBANI UKUNDA

DRAW. NO.

KWL-MA-84

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

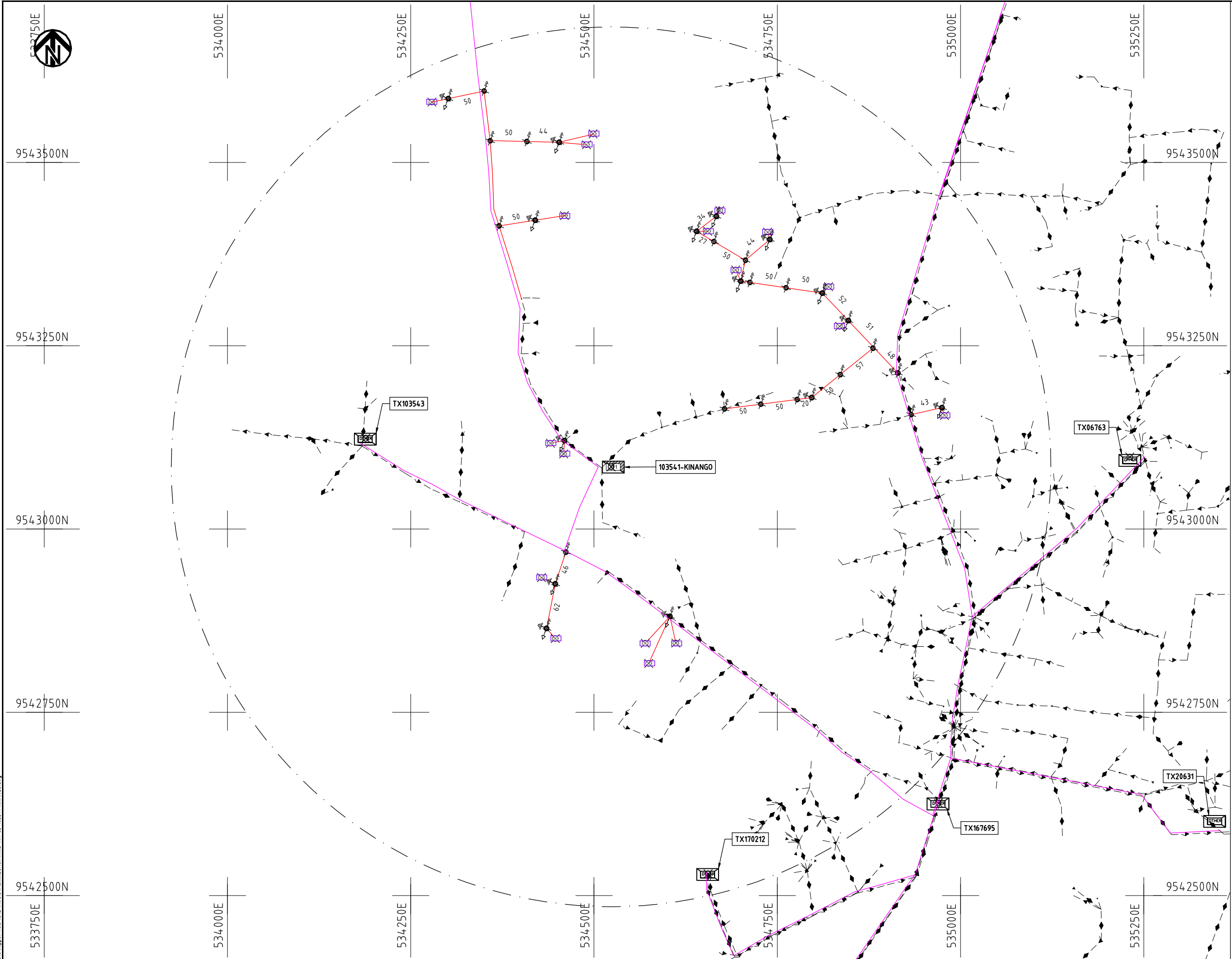
APPROVED BY

Y.TANAKA

DATE

10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

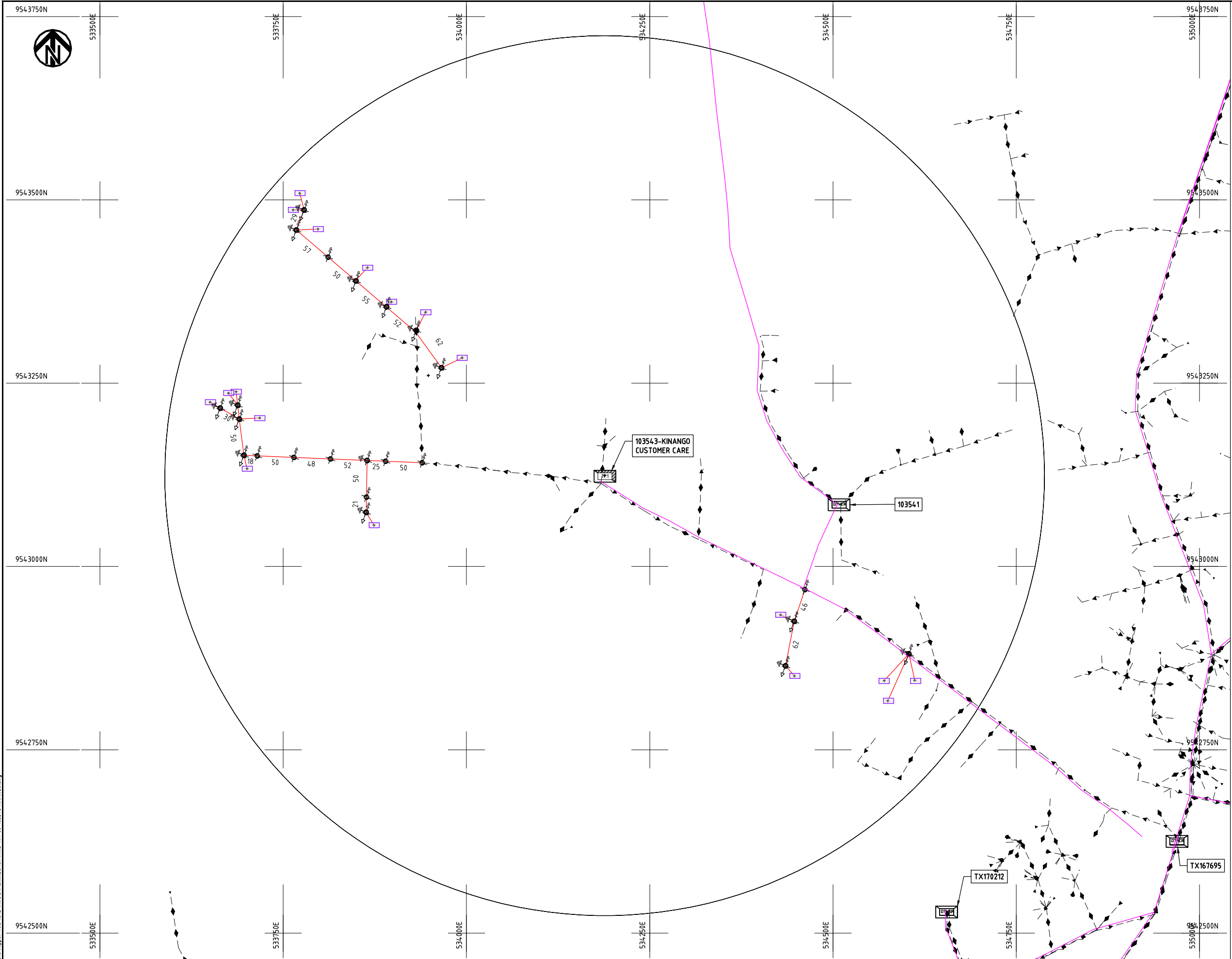
- LEGEND**
- HOUSEHOLDS/ BUILDINGS
 - PROPOSED DISTRIBUTION LINE
 - EXISTING 11kV LINE
 - EXISTING 33kV LINE
 - EXISTING DISTRIBUTION LINE
 - MAXIMISATION TRANSFORMER
 - EXTENSION TRANSFORMER
 - OTHER EXISTING TRANSFORMER
 - WOODEN ELECTRIC POLES
 - CONCRETE ELECTRIC POLES
 - LV-EARTH
 - PME -PROTECTIVE MULTIPLE EARTHING
 - STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE			DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE			KWL-MA-85	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION				APPROVED BY	Y.TANAKA
	PROJECT SITE: 103541 KINANGO				DATE	10th SEP 2018



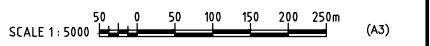
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 Oct 30, 2018 - 4:23pm



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
 5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

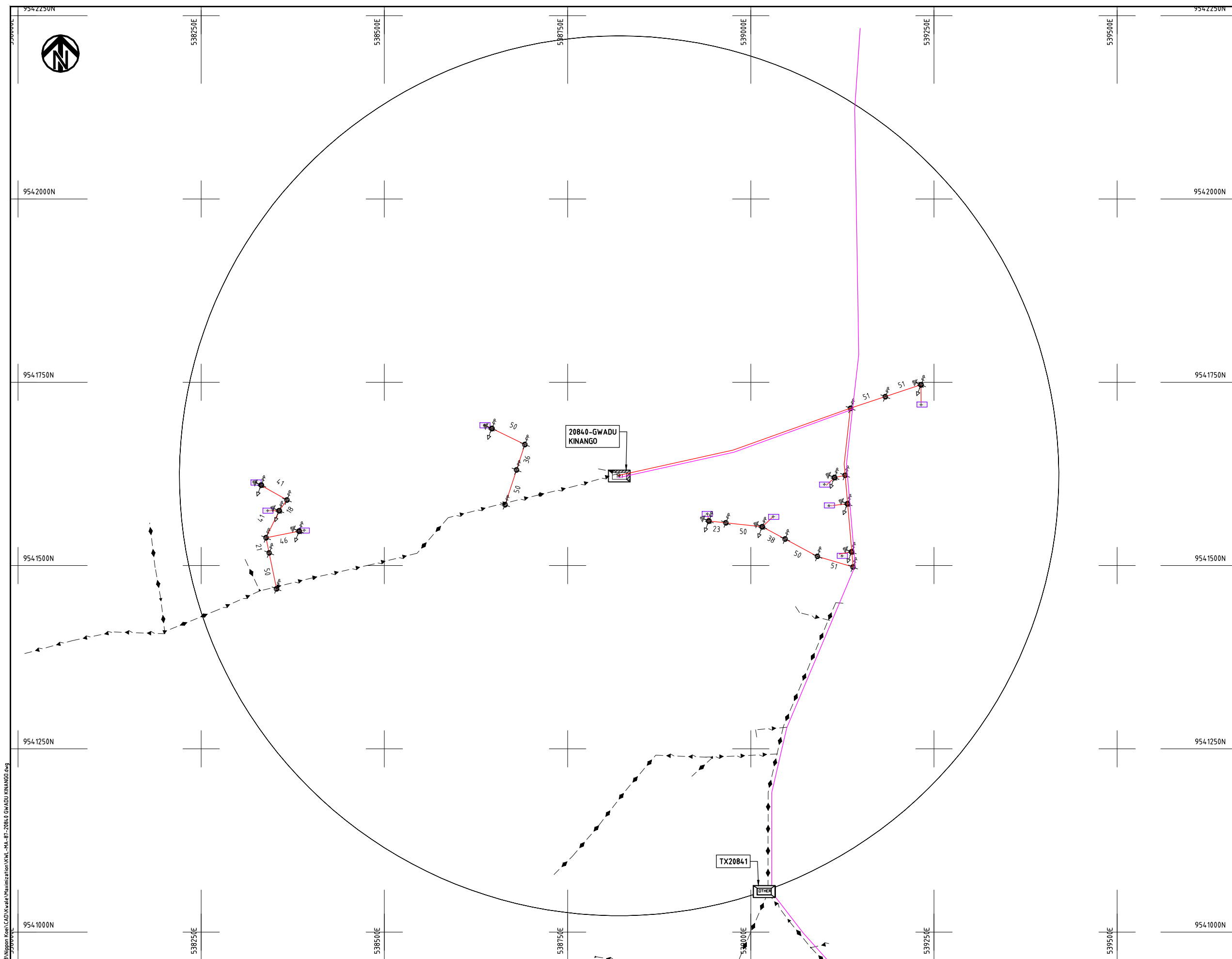
- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- PP WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



Cad File No. D:\Frank-Proj\2018\Nippon Koei\CAD\Kwale\Maximization\KWL-MA-86-103543 KINANGO.dwg

PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE COUNTY: KWALE SCHEME: MAXIMIZATION PROJECT SITE: 103543 KINANGO		DRAW. NO.	PREPARED BY	A.AKBAR
			KWL-MA-86	CHECKED BY	S.MAETA
			APPROVED BY	Y.TANAKA	
			DATE	10th SEP 2018	





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.
5. POLES NOT SHOWN WHERE PME OR LV EARTH INTERSECT FOR CLARITY.

LEGEND

- HOUSEHOLDS/ BUILDINGS
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- OTHER EXISTING TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING
- STAY



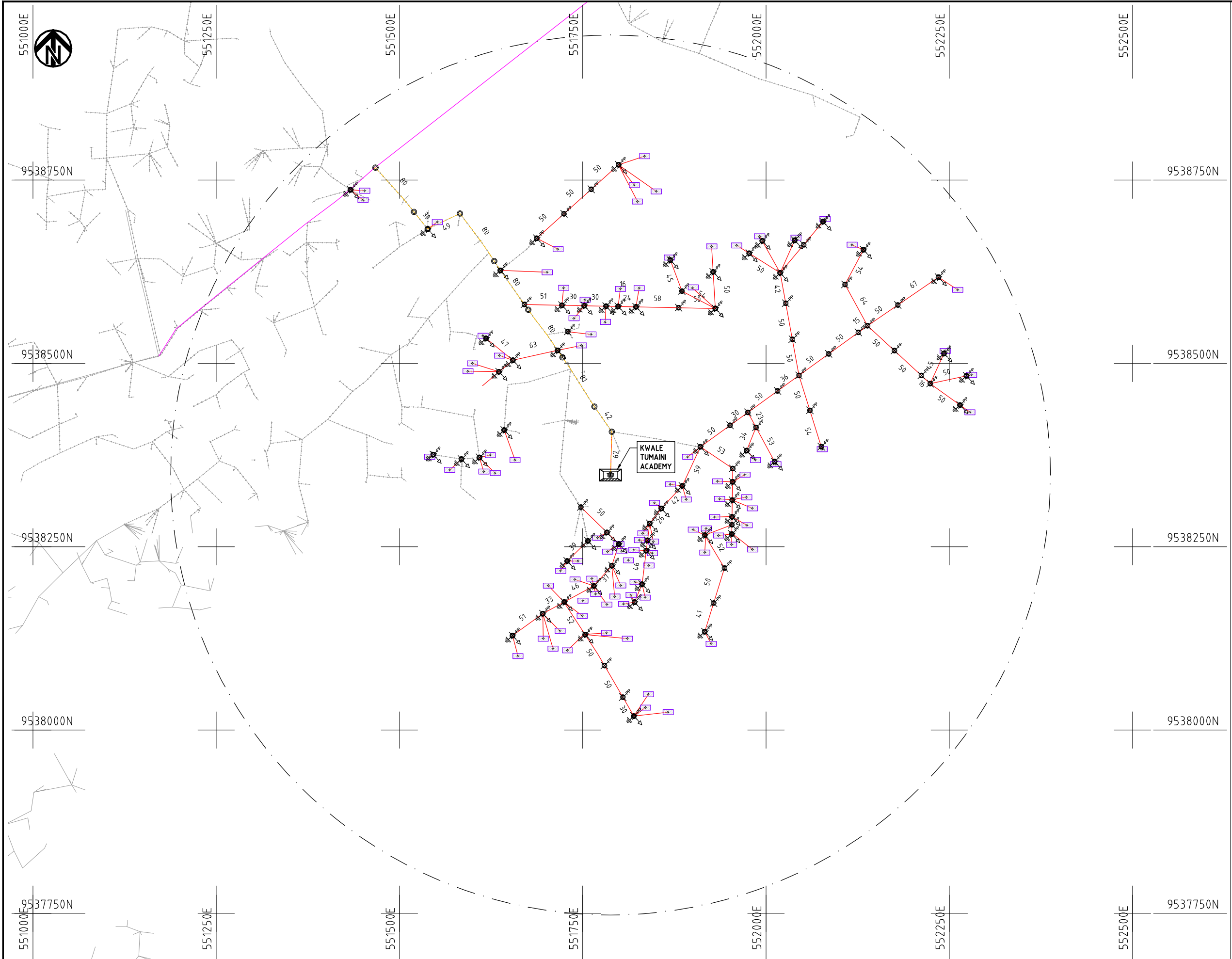
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PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-MA-87	CHECKED BY	S.MAETA
	SCHEME: MAXIMIZATION			APPROVED BY	Y.TANAKA
	PROJECT SITE: 2084.0 GWADU KINANGO			DATE	10th SEP 2018



クワレ郡

Extension and Maximization



- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: EXTENSION PROJECT SITE: KWALE TUMAINI ACADEMY		KWL-EX-001	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





9580500N

9580250N

9580000N

9579750N

9579500N

528250E

528500E

528750E

529000E

529250E

529500E

9580500N

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9580000N

9579750N

9579500N

528250E

528500E

528750E

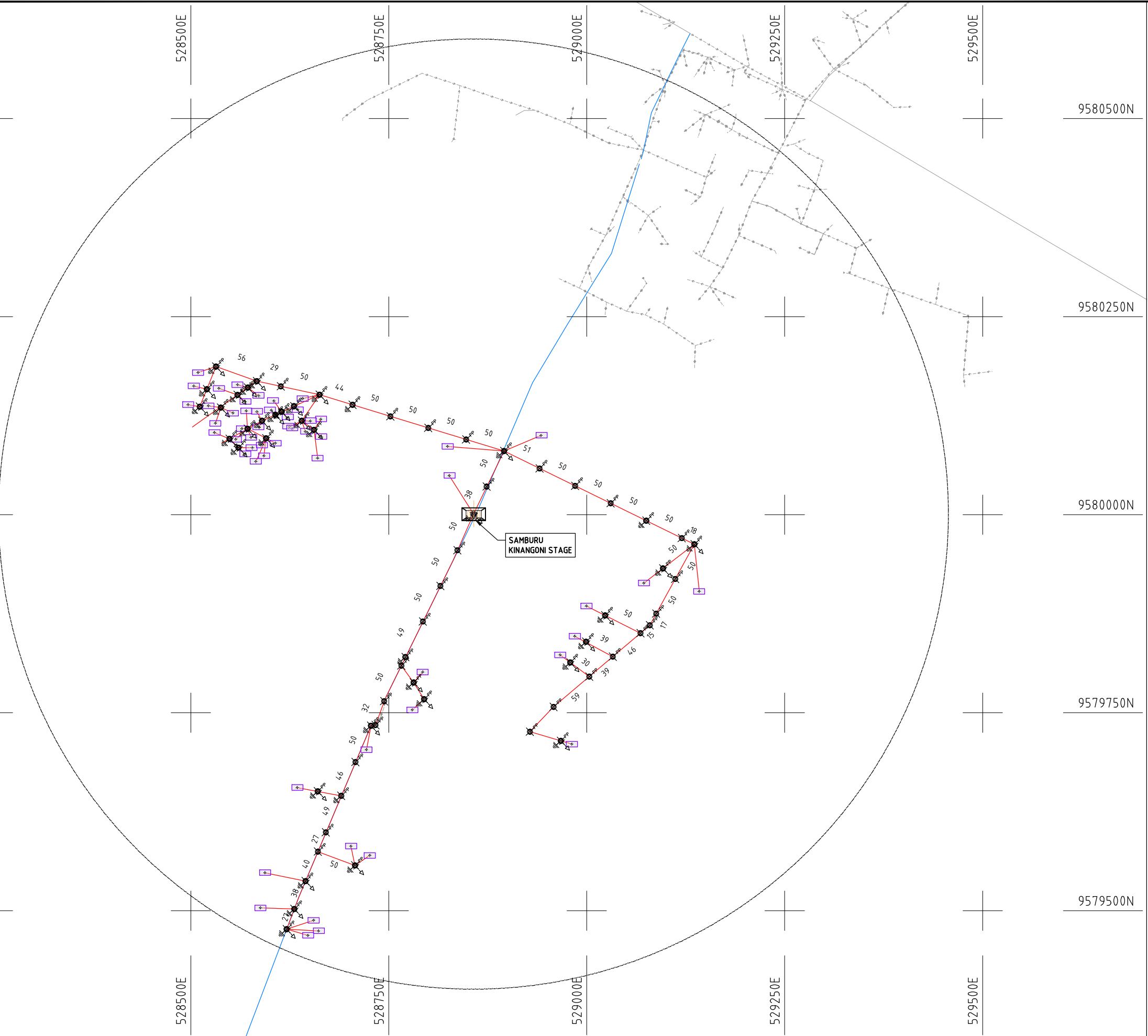
529000E

529250E

529500E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

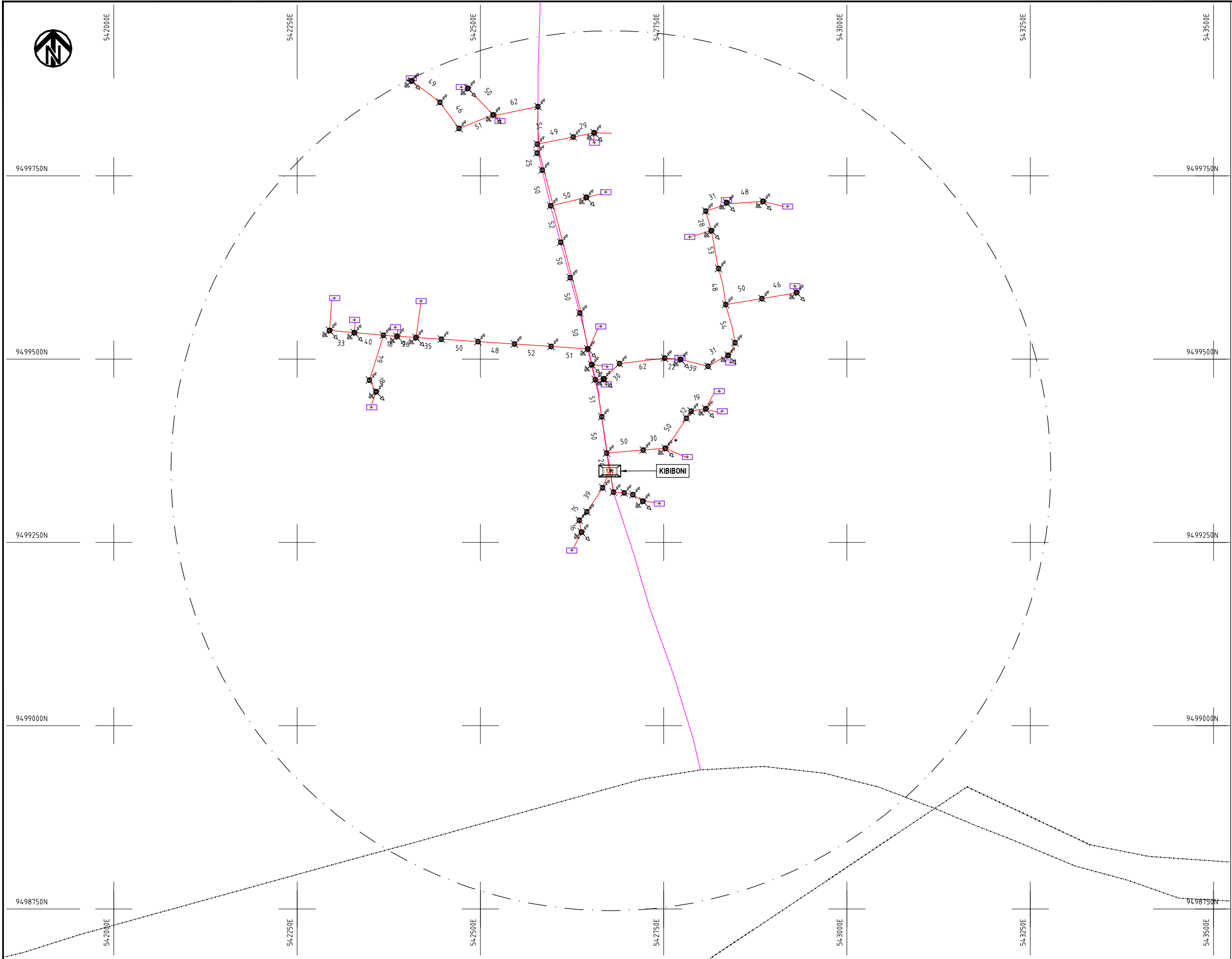


- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE	DATE	KWL-EX-002	CHECKED BY	S.MAETA
SCHEME: EXTENSION	APPROVED BY			Y.TANAKA	
PROJECT SITE: SAMBURU KINANGONI STAGE				10th SEP 2018	





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: EXTENSION PROJECT SITE: KIBIBONI		KWL-EX-003	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





538250E

538500E

538750E

539000E

539250E

539500E

539750E

9498750N

9498750N

9498500N

9498500N

9498250N

9498250N

9498000N

9498000N

9497750N

9497750N

538250E

538500E

538750E

539000E

539250E

539500E

539750E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY

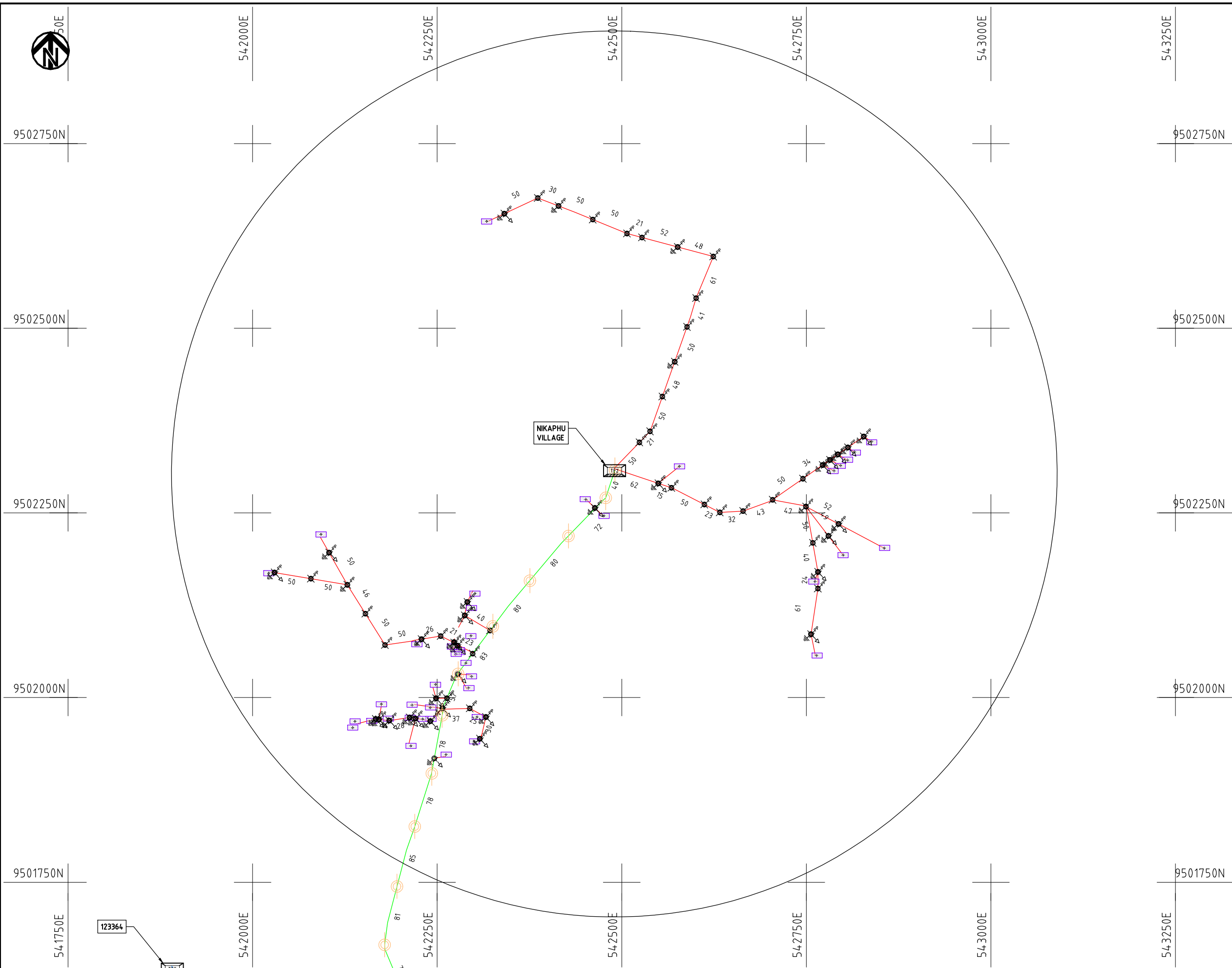


PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: EXTENSION
 PROJECT SITE: MKONO WA NDUGU

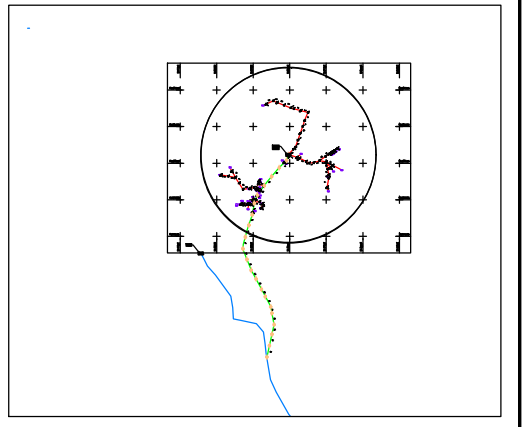
DRAW. NO.	PREPARED BY	A.AKBAR
KWL-EX-004	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.



- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE SCHEME: EXTENSION PROJECT SITE: NIKAPHU VILLAGE		KWL-EX-005	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018





536250E

536500E

536750E

537000E

537250E

537500E

537750E

9499250N

9499250N

9499000N

9499000N

9498750N

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9498250N

9498250N

536250E

536500E

536750E

537000E

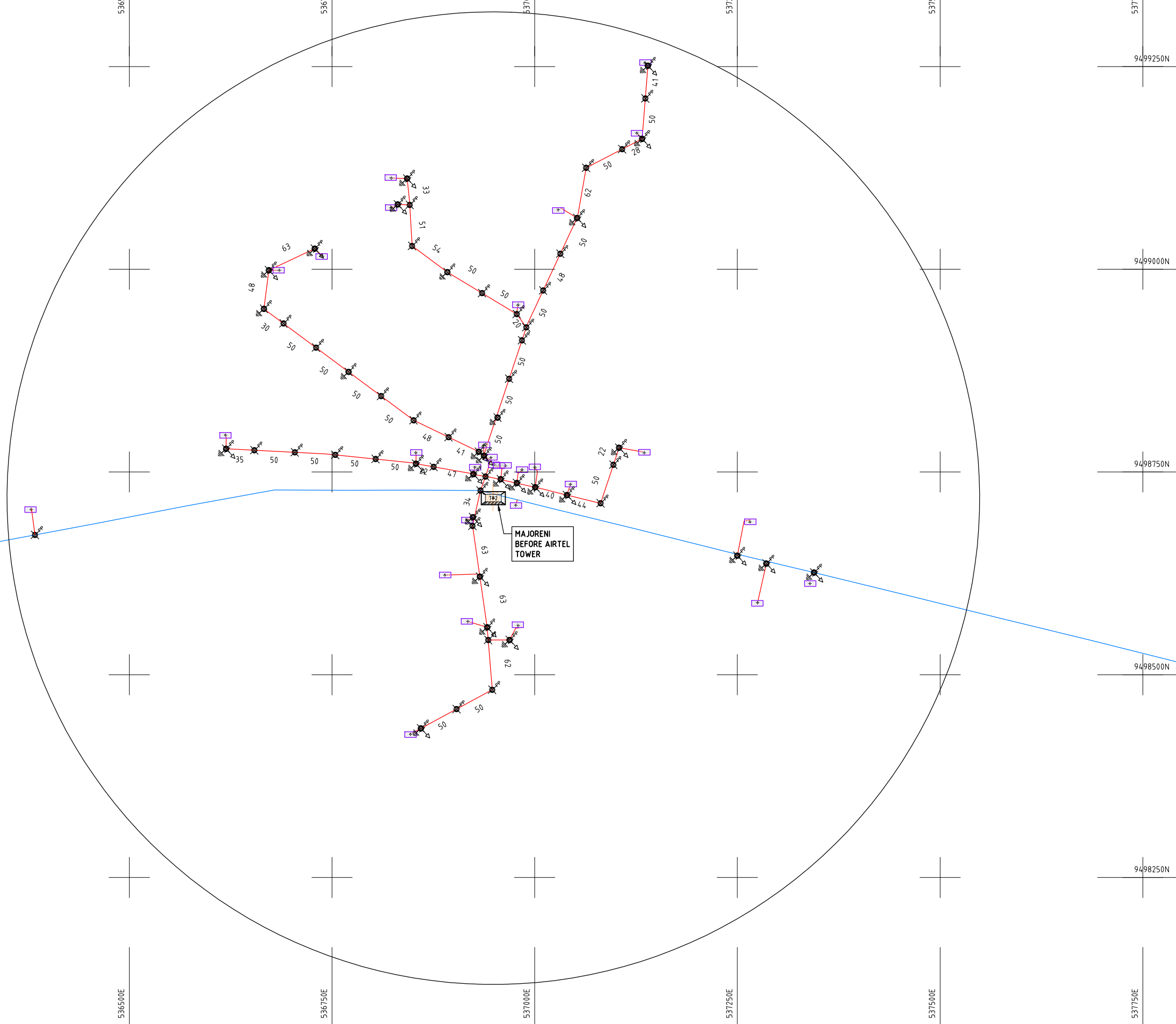
537250E

537500E

537750E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.



- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES 12M
- CP CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: EXTENSION
 PROJECT SITE: MAJORENI BEFORE AIRTEL TOWER

DRAW. NO.	PREPARED BY	A.AKBAR
KWL-EX-006	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





9544250N

566750E

567000E

567250E

567500E

567750E

568000E

9544000N

9544000N

9543750N

9543750N

9543500N

9543500N

9543250N

9543250N

566500E

566750E

567000E

567250E

567500E

567750E

568000E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- Proposed 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY

(A3)

PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KWALE
SCHEME: EXTENSION
PROJECT SITE: KITEJE BOMBO VILLAGE

DRAW. NO.

KWL-EX-007

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

APPROVED BY

Y.TANAKA

DATE

10th SEP 2018



NIPPON KOEI CO., LTD

9537250N

9537250N

521000E



521250E

521500E

521750E

522000E

522250E

522500E

9537000N

9537000N

9536750N

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9536250N

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9536000N

521250E

521500E

521750E

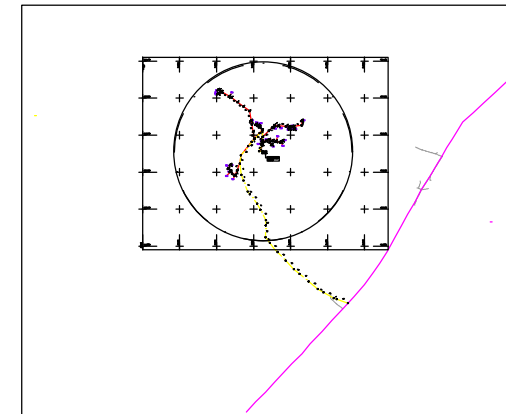
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522250E

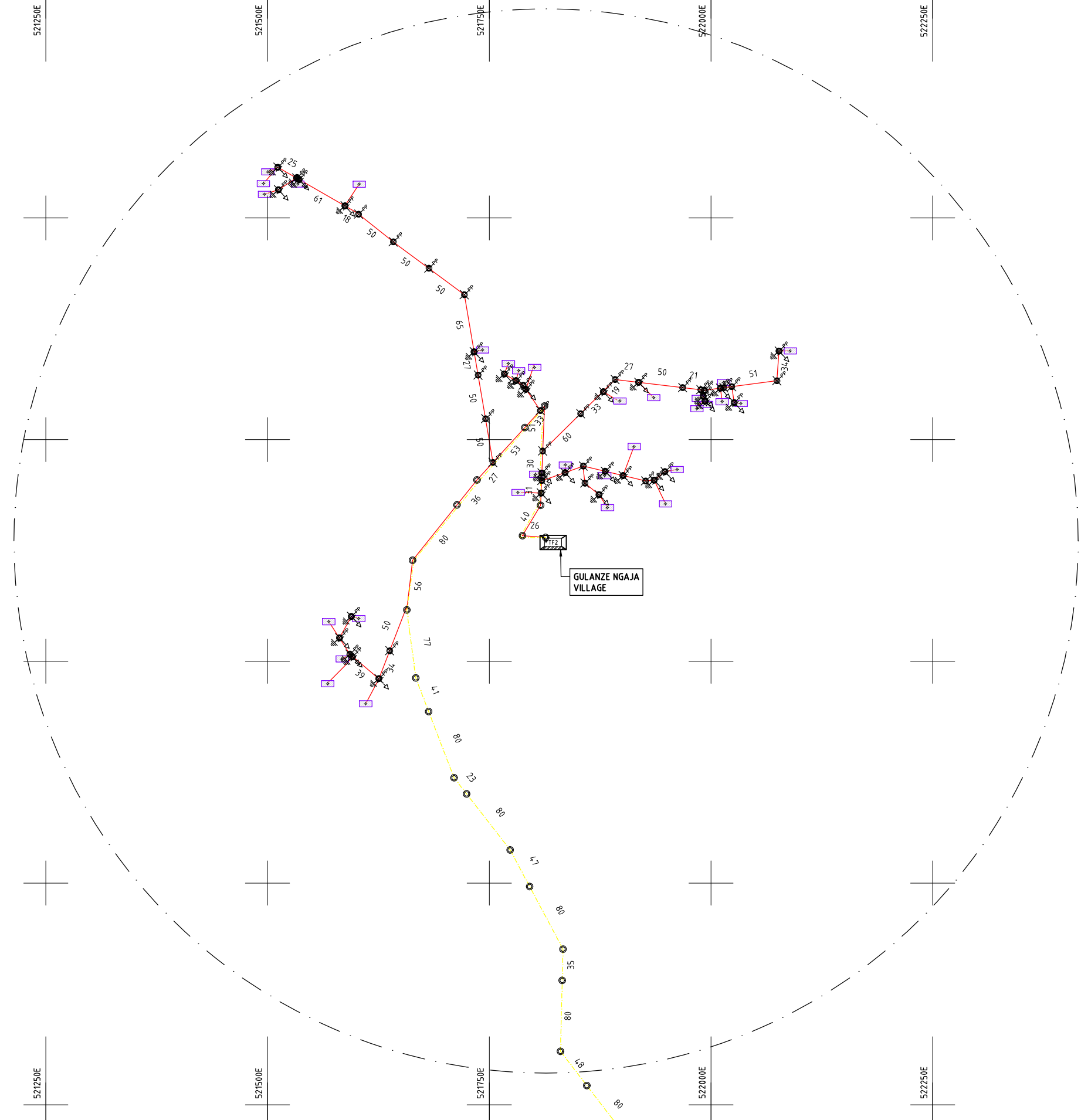
522500E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.



- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



GULANZE NGAJA VILLAGE

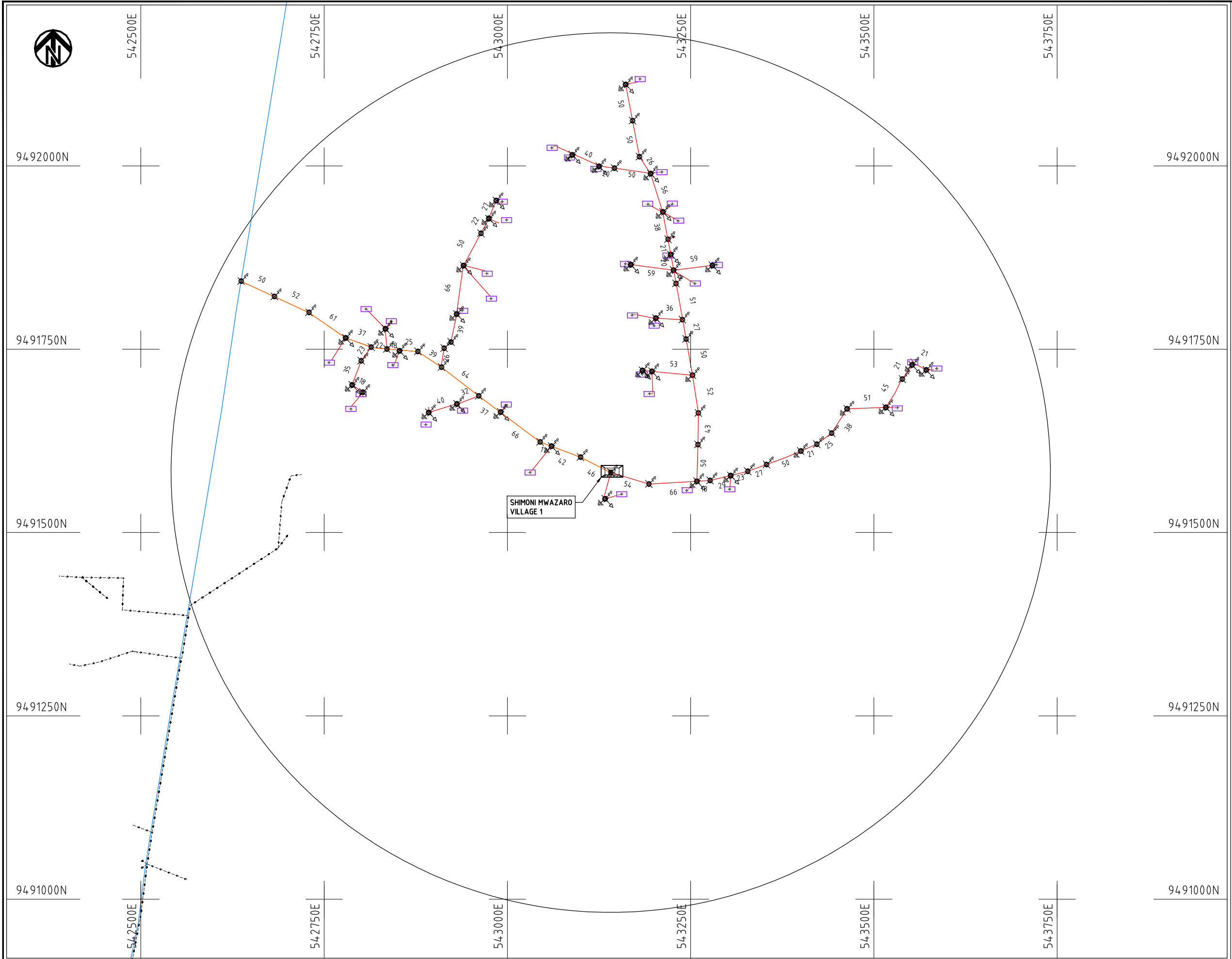


PROJECT:
**THE PREPARATORY SURVEY
 ON THE PROJECT FOR IMPROVEMENT
 OF POWER DISTRIBUTION SYSTEM
 IN THE REPUBLIC OF KENYA**

DRAWING TITLE
 COUNTY: KWALE
 SCHEME: EXTENSION
 PROJECT SITE: GULANZE NGAJA VILLAGE

DRAW. NO.	PREPARED BY	A.AKBAR
KWL-EX-008	CHECKED BY	S.MAETA
	APPROVED BY	Y.TANAKA
	DATE	10th SEP 2018





- NOTES:**
1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 2. CONCRETE/ WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
 4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- PROPOSED 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CONCRETE ELECTRIC POLES 12M
- CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT: THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA	DRAWING TITLE		DRAW. NO.	PREPARED BY	A.AKBAR
	COUNTY: KWALE		KWL-EX-009	CHECKED BY	S.MAETA
SCHEME: EXTENSION		APPROVED BY		Y.TANAKA	
PROJECT SITE: SHIMONI MWAZARO VILLAGE			DATE	10th SEP 2018	





542500E

542750E

543000E

543250E

543500E

543750E

9491750N

9491750N

9491500N

9491500N

9491250N

9491250N

9491000N

9491000N

9490750N

9490750N

542500E

542750E

543000E

543250E

543500E

543750E

NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.

- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- Proposed 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES 12M
- CP CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY



PROJECT:

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
IN THE REPUBLIC OF KENYA

DRAWING TITLE

COUNTY: KWALE
SCHEME: EXTENSION
PROJECT SITE: SHIMONI MWAZARO VILLAGE

DRAW. NO.

KWL-EX-010

PREPARED BY

A.AKBAR

CHECKED BY

S.MAETA

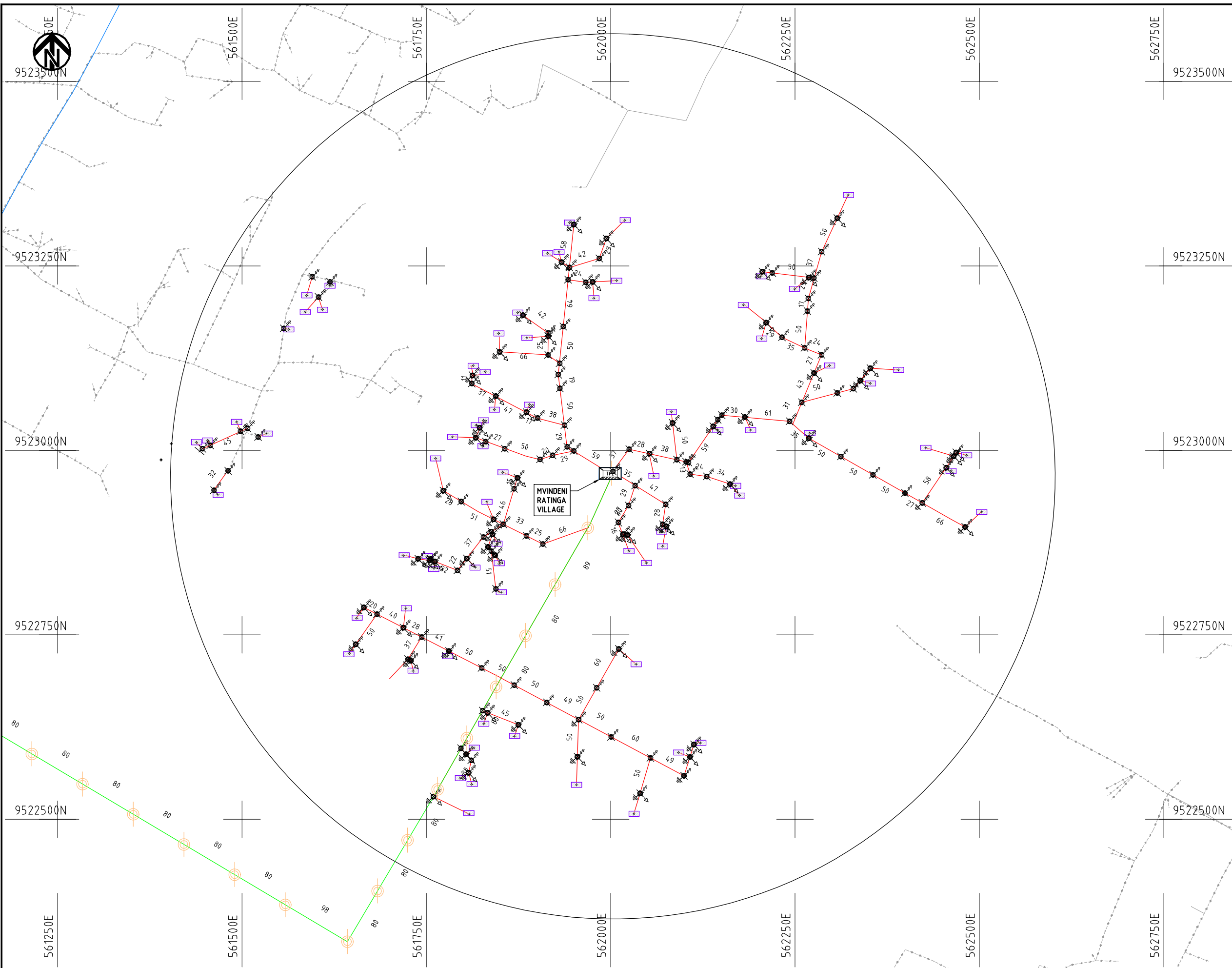
APPROVED BY

Y.TANAKA

DATE

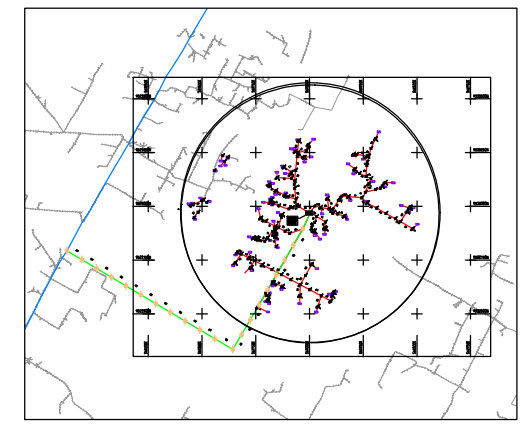
10th SEP 2018

NIPPON KOEI CO., LTD

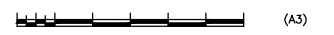


NOTES:

1. EXACT LOCATIONS OF POWER POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
2. CONCRETE / WOODEN POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
3. LENGTH OF POLES TO BE DETERMINED ON SITE BY THE ENGINEER.
4. PME TO BE AFTER EVERY 200m INTERVAL OR AFTER 4 SPANS.



- HOUSEHOLDS/ BUILDINGS
- PROPOSED 11kV
- Proposed 33kV
- PROPOSED DISTRIBUTION LINE
- EXISTING 11kV LINE
- EXISTING 33kV LINE
- EXISTING DISTRIBUTION LINE
- MAXIMISATION TRANSFORMER
- EXTENSION TRANSFORMER
- WOODEN ELECTRIC POLES
- CP CONCRETE ELECTRIC POLES 12M
- CP CONCRETE ELECTRIC POLES 11M
- LV-EARTH
- PME -PROTECTIVE MULTIPLE EARTHING STAY

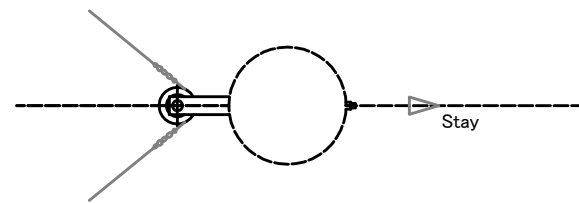
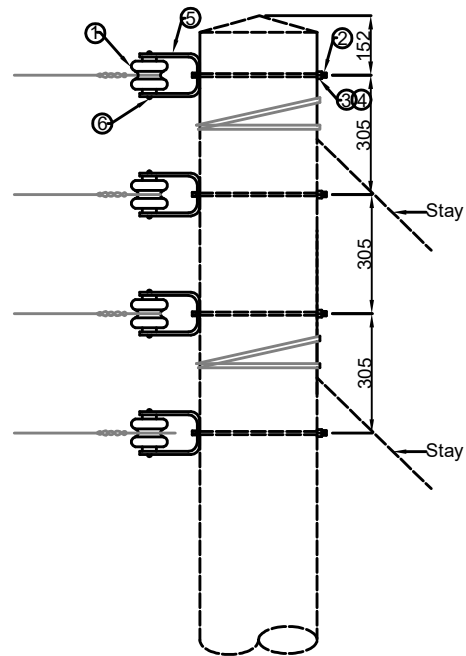


PROJECT:	<p>THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM IN THE REPUBLIC OF KENYA</p>	DRAWING TITLE	DRAW. NO.	PREPARED BY	A.AKBAR
		<p>COUNTY: KWALE SCHEME: EXTENSION PROJECT SITE: MVINDENI RATINGA VILLAGE</p>	KWL-EX-011	CHECKED BY	S.MAETA
				APPROVED BY	Y.TANAKA
				DATE	10th SEP 2018

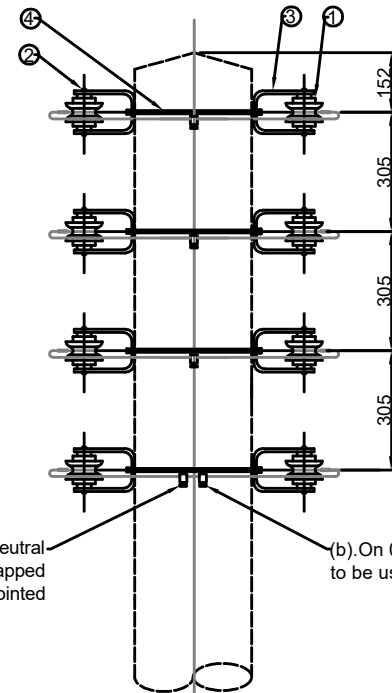


一般図

LV Intermediate pole
(Single, two and three phase)

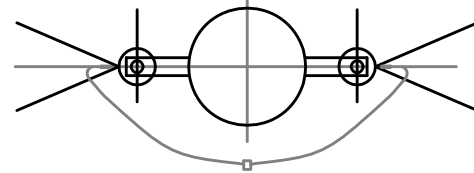


LV Section pole
(Single, two and three phase)

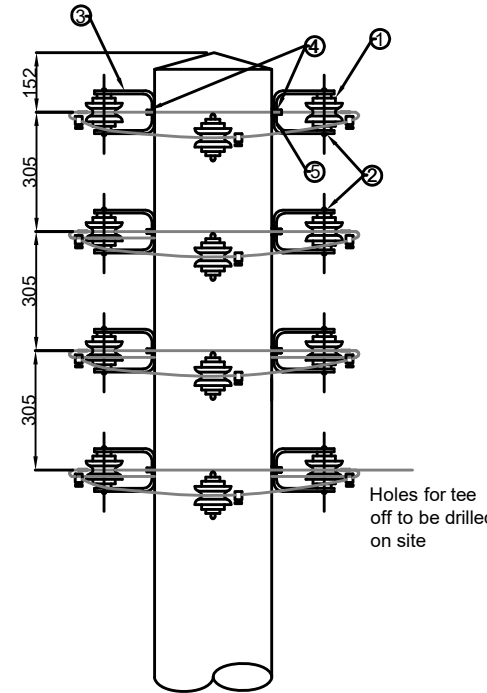


(a). On P.M.E system neutral to be Double line tapped or compression jointed

(b). On 0.1"AA Double line taps to be used on all neutral

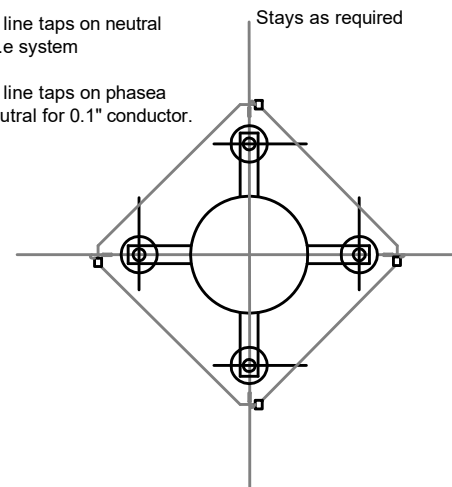


Fittings LV Section pole 3 or 4 way arrangement
(Single, two and three phase)



(a) Double line taps on neutral on p.m.e system

(d) Double line taps on phasea and neutral for 0.1" conductor.



LV Intermediate pole(Single, two and three phase)				
MATERIALS				
CU	MARK IN SKETCH	CODE	QUANTITY	DESCRIPTION
10020	1	184836	4	Insulator Shackle, LV
	2	180801	4	Bolt and nut M16 x 325mm (5/8" x 13")
	3	189622	4	Washer square curved M16 (5/8" x 2" x 2")
	4	156322	4	Washer spring M10 (3/8")
	5	181201	4	Bracket D-Iron H.D.GALV
	6	180788	4	Bolt and nut M16 x 175mm (5/8" x 7")
LV Section pole(Single, two and three phase)				
MATERIALS				
10050	1	184836	8	Insulator Shackle, LV
	2	180788	8	Bolt and nut M16 x 175mm (5/8" x 7")
	3	181201	8	Bracket D-Iron H.D.GALV
	4	180796	4	Bolt and nut M16 x 280mm (5/8" x 11")
	5	189613	4	Washer round flat M16 (5/8")
Fittings LV Section pole 3 or 4 way arrangement(Single, two and three phase)				
MATERIALS				
10090	1	184836	16	Insulator Shackle, LV
	2	180788	16	Bolt and nut M16 x 175mm (5/8" x 7")
	3	181201	16	Bracket D-Iron H.D.GALV
	4	180796	8	Bolt and nut M16 x 280mm (5/8" x 11")
	5	189613	8	Washer round flat M16 (5/8")

Scale 1:20

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
AROUND NAIROBI CITY
IN THE REPUBLIC OF KENYA

DRAWING TITLE

Typical Drawing
- LV Pole Fitting -

DRAW. NO.

TD-01

PREPARED BY

J. GEOFRY

CHECKED BY

S. MAETA

APPROVED BY

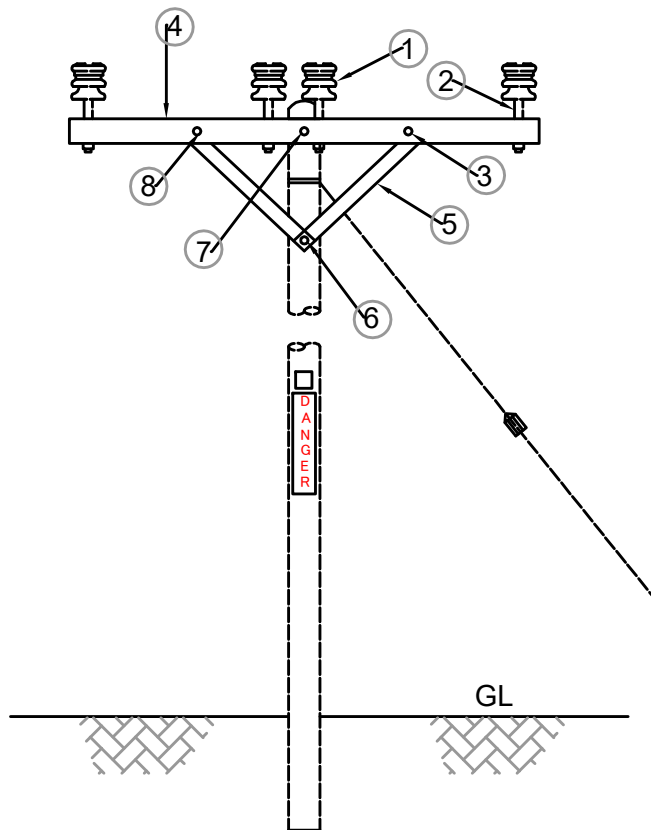
Y. TANAKA

DATE

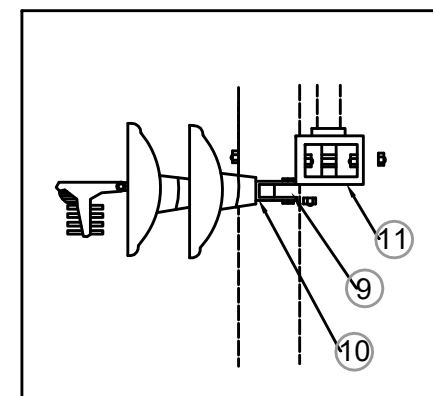
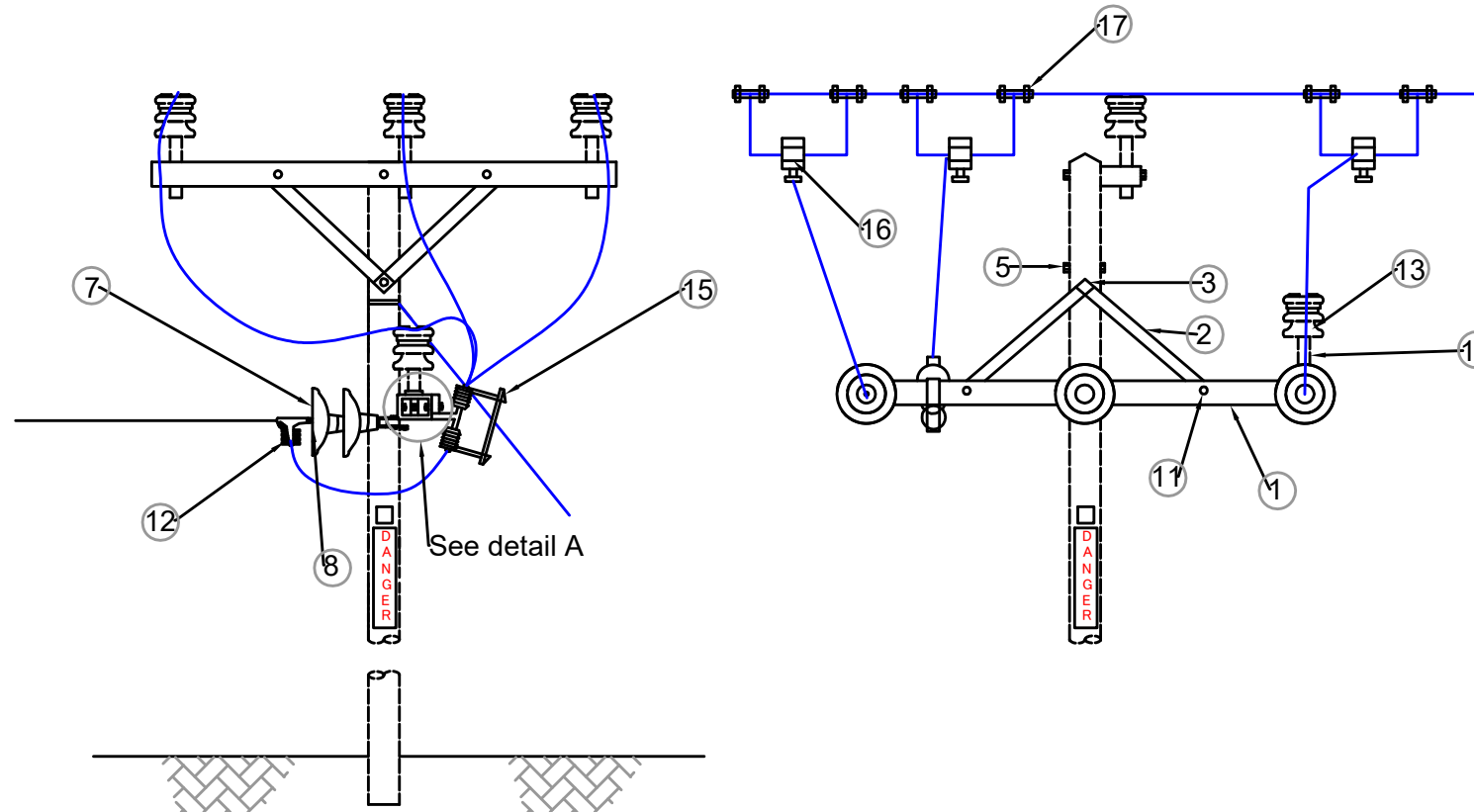
Aug-15,2018

 NIPPON KOEI CO., LTD

Fittings for Intermediate pole 11kV



Fittings Tee-off pole with solid links 11kV



DETAIL A

Fittings for Intermediate pole 11kV				
MATERIALS				
CU	MARK IN SKETCH	CODE	QUANTITY	DESCRIPTION
15020	1	184805	3	Insulator pin 11kV
	2	187718	3	Spindle 11kV
	3	189626	3	Washer flat M20x64mm
	4	182911	1	Crossarm steel L1650x70x70mm BS1320
	5	188115	2	Tie strap flat steel 11kV 590x40x5mm
	6 and 7	180841	2	Bolt and nut M20x280 (11" x 3/4") pole cross-arm/Tie strap pole
	8	180822	2	Bolt and nut M20x40mm (1.5" x 3/4") Tie strap pole crossarm
	Fittings Tee-off Pole with solid Links 11kV			
MATERIALS				
15330	1	186921	1	Steel Channel U2200x100x50mm
	2	188115	2	Tie straps flat steel 11kV
	3	180841	1	Bolt and nut M20 x 280 (11" x 3/4")
	4	180912	1	Eye bolt and nut M20 x 300 (3/4" x 12")
	5	189632	2	Washer square curved M20x63.5mm
	6	184501	1	Hook ball ended 40kN (Only at central phase)
	7	184860	6	Insulator glass disk 70kN
	8	180116	3	Adaptor socket tongue single hole M16
	9	188107	2	Terminating strap flat 250x75x10mm
	10	180104	2	Adaptor ball clevis M16 (Only with the flat phase)
	11	180822	4	Bolt and nut M20 x 40mm
	12	181920	3	Clamp dead end 100-150mm ² cond.
	13	184805	2	Insulator pin 11kV
	14	187718	2	Spindle 11kV
	15	188447	3	Isolator solid link 11kV 400A
	16	188757	3	Connector live line tap 50mm ²
	17	181818	6	Connector P.G. clamp 75-150mm ² cond

Scale 1:75

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
AROUND NAIROBI CITY
IN THE REPUBLIC OF KENYA

DRAWING TITLE

Typical Drawing
- 11kV Pole Fitting No.1 -

DRAW. NO.

TD-02

PREPARED BY

J. GEOFRY

CHECKED BY

S. MAETA

APPROVED BY

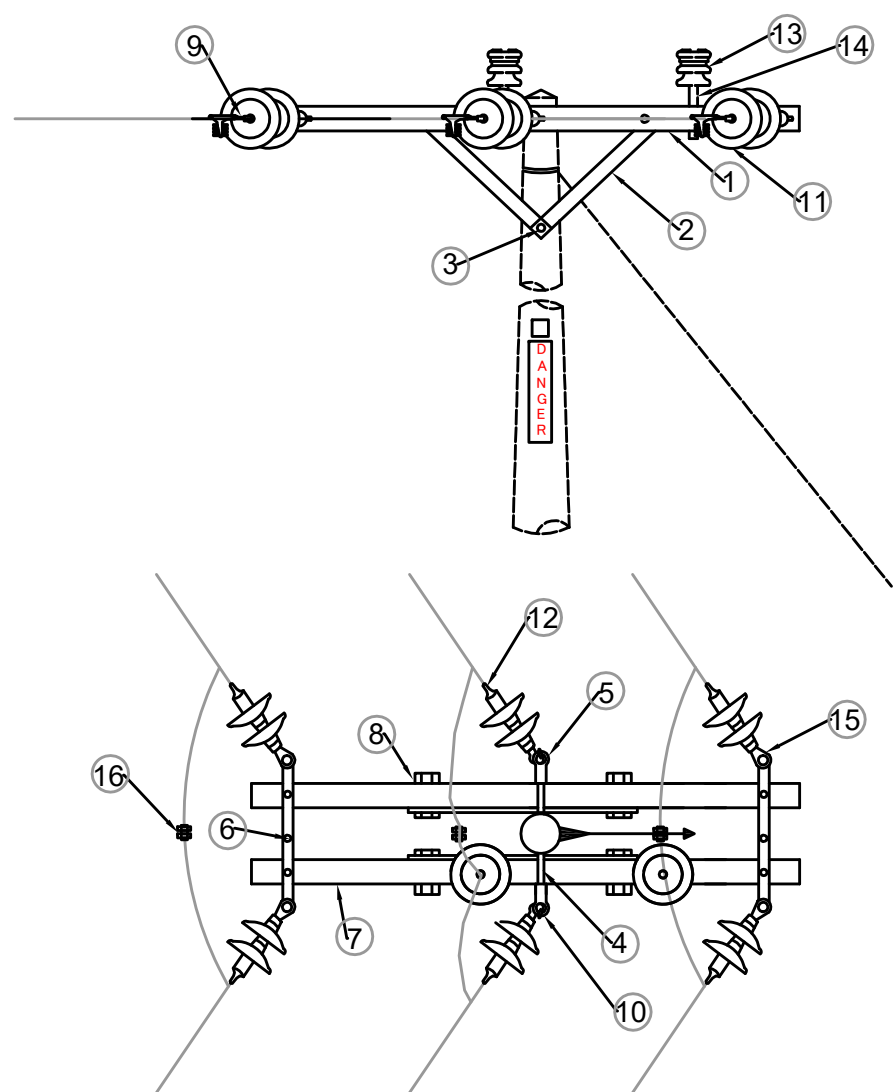
Y. TANAKA

DATE

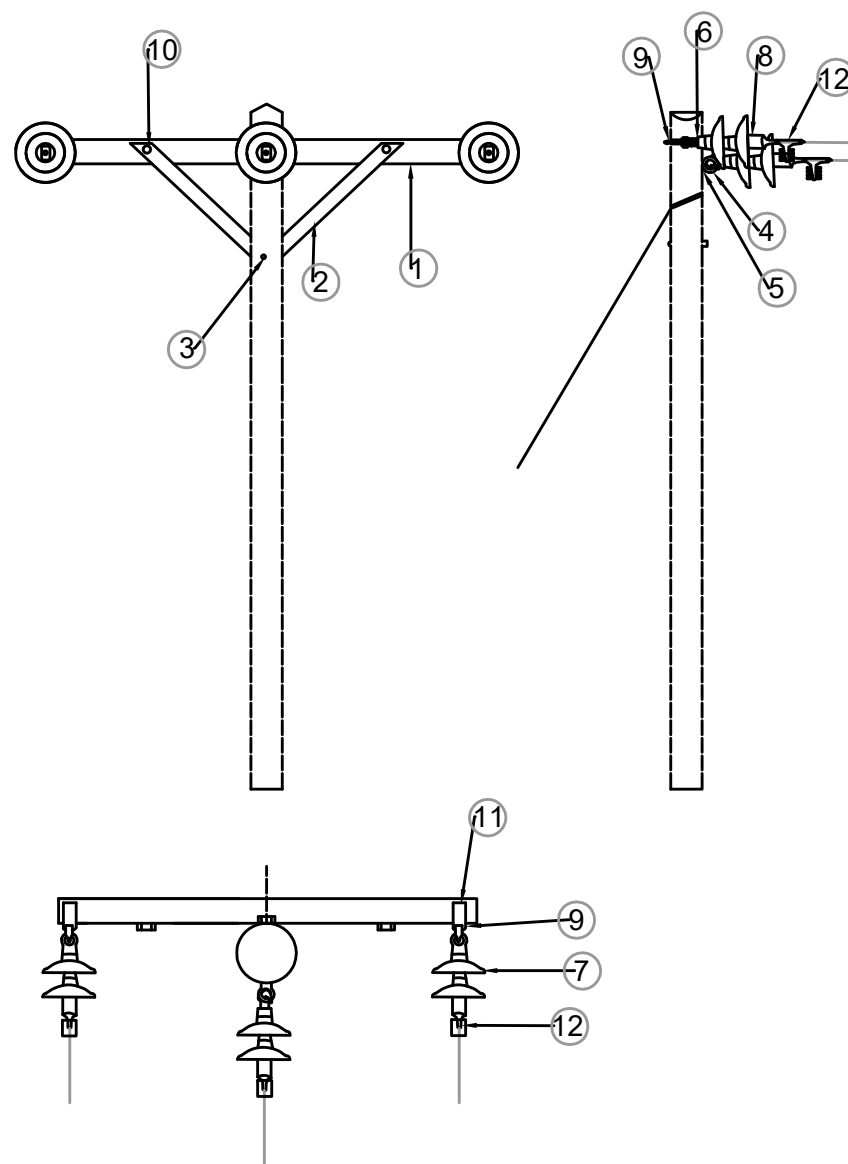
Aug-15,2018

 NIPPON KOEI CO., LTD

Fittings Horizontal Section Pole (@ < 60) 11kV



Fittings Terminal Poles (@ < 60) 11kV



Fittings Horizontal Section Pole (@ < 60) 11kV				
MATERIALS				
CU	MARK IN SKETCH	CODE	QUANTITY	DESCRIPTION
15110	1	182940	2	Crossarm wood 33kV 2616 x 127mm (8'8" x 5" x 4")
	2	188108	4	Tie strap angle steel 11kV
	3	180841	1	Bolt and nut M20 x 280 (11" x 3/4")
	4	180915	1	Eye bolt and nut M20 x 600 (24" x 3/4")
	5	135131	1	Eye nut M20(3/4")
	6	188109	2	Terminating strap flat 508x50x6mm (20"x2"x1/4")
	7	180833	4	Bolt and nut M20 x 175mm (7" x 3/4")
	8	189626	4	Washer flat square M20x63.5mm ²
	9	180116	6	Adaptor socket tongue single hole M16
	10	184501	2	Hook ball ended 40kN (Only at central phase)
	11	184860	12	Insulator glass disk70kN
	12	181920	6	Clamp dead end25-75mm ² cond.
	13	184805	2	Insulator pin 11kV
	14	187718	2	Spindle 11kV
	15	180104	4	Adaptor ball clevis M16 (Only with the flat phase)
	16	181816	3	Connector P.G. clamp Al 25-75mm ² cond
Fittings Terminal Poles (@ < 60) 11kV				
MATERIALS				
15220	1	182911	1	Crossarm steel angle L 1650x70x70mm BS 1320
	2	188111	2	Tie straps steel angle L580x50x5mm
	3	180841	1	Bolt and nut M20 x 280 (11" x 3/4")
	4	180912	1	Eye bolt and nut M20 x 300 (3/4" x 12") H/D GALV
	5	189632	2	Washer square curved M20x63.5mm
	6	184501	1	Hook ball ended 40kN (Only at central phase)
	7	184860	6	Insulator glass disk70kN
	8	180116	3	Adaptor socket tongue single hole M16
	9	188107	2	Terminating strap flat 250x75x10mm
	10	180104	2	Adaptor ball clevis M16 (Only with the flat phase)
	11	180822	4	Bolt and nut M20 x 40mm
	12	181920	3	Clamp dead end25-75mm ² cond.

Scale 1:75

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
AROUND NAIROBI CITY
IN THE REPUBLIC OF KENYA

DRAWING TITLE

Typical Drawing
- 11kV Pole Fitting No.2 -

DRAW. NO.

TD-03

PREPARED BY

J. GEOFRY

CHECKED BY

S. MAETA

APPROVED BY

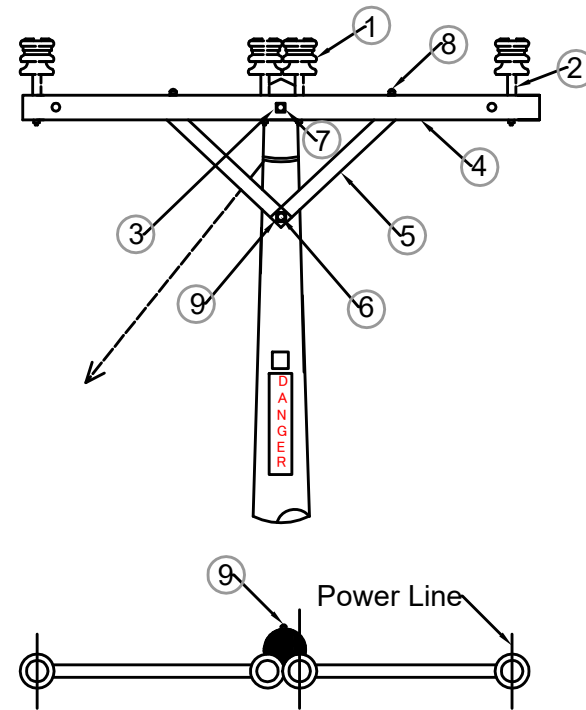
Y. TANAKA

DATE

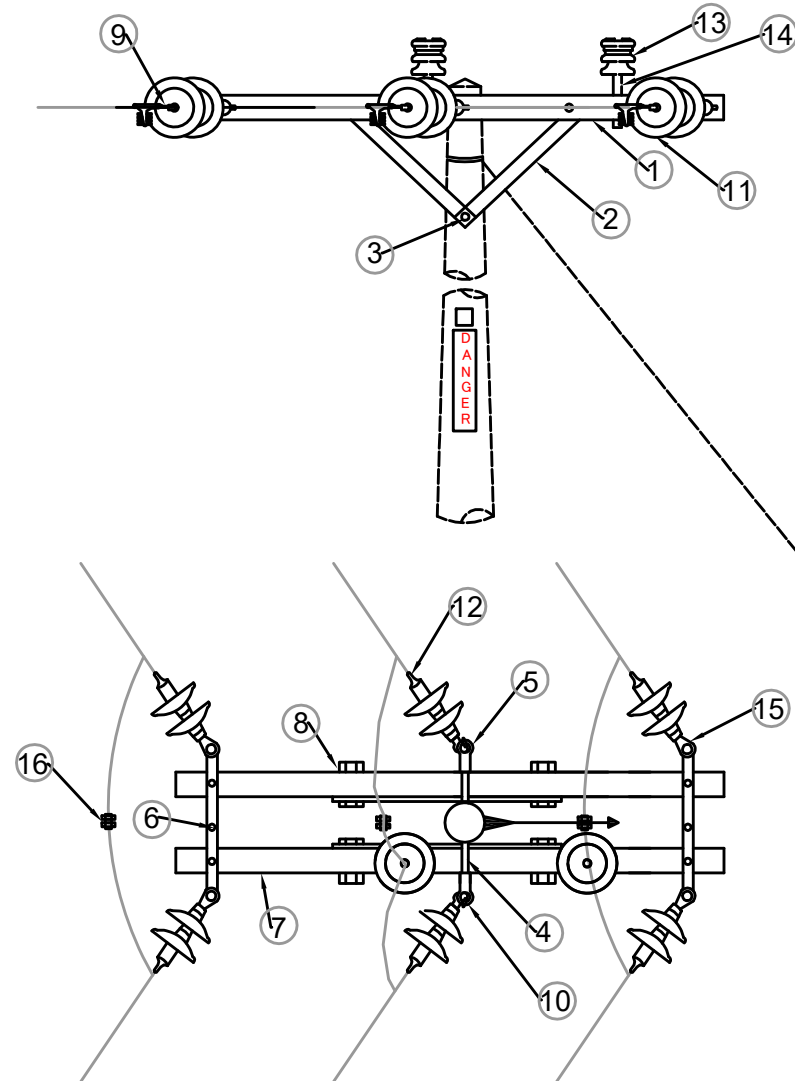
Aug-15,2018

 NIPPON KOEI CO., LTD

Fittings Intermediate and light angle pole 33kV



Fittings Horizontal Section Pole (@ < 60) 33kV



Fittings Intermediate and light angle pole 33kV				
MATERIALS				
CU	MARK IN SKETCH	CODE	QUANTITY	DESCRIPTION
10380	1	184813	3	Insulator Pin 33kV
	2	187727	3	Spindle 33kV
	3	189626	3	Washer flat M20x64mm (tie strap)
	4	182940	1	Crossarm wood 8'8" x 5" x 4"
	5	188108	2	Tie strap angle steel 33kV
	6	180841	1	Bolt and nut M20x280 (11" x 3/4") Tie straps-pole
	7	180847	1	Bolt and nut M20x350 (14" x 3/4") pole cross-arm
	8	180833	2	Bolt and nut M20x175mm (7" x 3/4") tie strap cross-arm
	9	189632	2	Washer square curved M20x63.5mm
Fittings Horizontal Section Pole (@ < 60) 33kV				
MATERIALS				
CU	MARK IN SKETCH	CODE	QUANTITY	DESCRIPTION
15430	1	182940	2	Crossarm wood (8'8" x 5" x 4")
	2	188108	2	Tie straps angle steel 33V
	3	180841	1	Bolt and nut M20 x 280 (11" x 3/4")
	4	180915	1	Eye bolt and nut M20 x 600 (24" x 3/4")
	5	135131	1	Eye nut M20(3/4")
	6	188109	2	Terminating strap flat 508x50x6mm (20"x2"x1/4")
	7	180833	8	Bolt and nut M20 x 175mm (7" x 3/4")
	8	189626	8	Washer flat square M20x63.5mm ²
	9	180116	6	Adaptor socket tongue single hole M16
	10	184501	2	Hook ball ended 40kN (Only at central phase)
	11	184860	18	Insulator glass disk70kN
	12	181920	6	Clamp dead end25-75mm ² cond.
	13	184813	2	Insulator pin 33kV
	14	187727	2	Spindle 33kV
	15	180104	4	Adaptor ball clevis M16 (Only with the flat phase)
	16	181816	6	Connector P.G. clamp Al 25-75mm ² cond

Scale 1:75

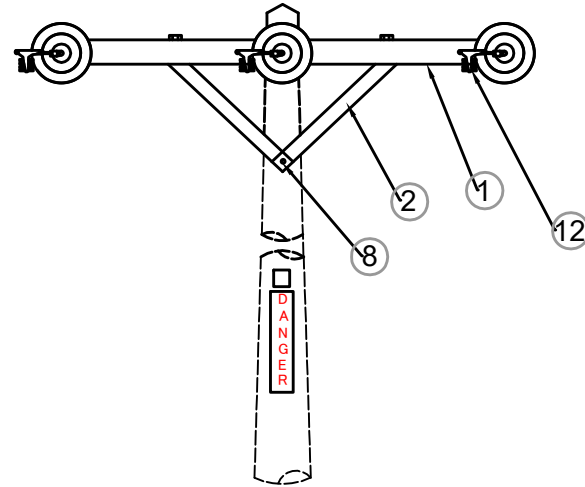
THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
AROUND NAIROBI CITY
IN THE REPUBLIC OF KENYA

DRAWING TITLE
Typical Drawing
- 33kV Pole Fitting No.1 -

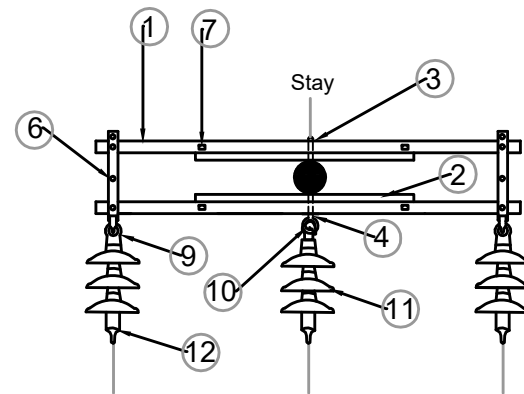
DRAW. NO. TD-04	PREPARED BY	J. GEOFRY
	CHECKED BY	S. MAETA
	APPROVED BY	Y. TANAKA
	DATE	Aug-15,2018

 NIPPON KOEI CO., LTD

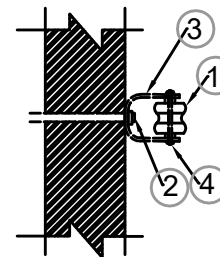
Fittings Terminal Poles (@ < 60) 33kV



Fittings Horizontal Section Pole (@ < 60) 33kV				
MATERIALS				
CU	MARK IN SKETCH	CODE	QUANTITY	DESCRIPTION
15490	1	182940	2	Crossarm wood 33kV (8'8" x 5" x 4")
	2	188108	2	Pc 33kV Angle tie straps (steel)
	3	180841	1	Bolt and nut M20 x 280 (11" x 3/4")
	4	180915	1	Eye bolt and nut M20 x 600 (24" x 3/4")
	6	188109	2	Terminating strap flat 508x50x6mm (20"x2"x1/4")
	7	180833	8	Bolt and nut M20 x 175mm (7" x 3/4")
	8	189626	8	Washer flat square M20x63.5mm ²
	9	180116	3	Adaptor socket tongue M16
	10	184501	3	Hook ball ended 40kN (Only at central phase)
	11	184860	9	Insulator glass disk70kN
	12	181920	3	Clamp dead end25-75mm ² cond.



Service lines wall fittings



Service Lines Fittings				
MATERIALS				
CU	MARK IN SKETCH	CODE	QUANTITY	DESCRIPTION
10210	1	184836	1	Insulator Shackle, LV
	2	105409	1	Bolt and washer Rawl, M12x120mm(1/2" x 5")
	3	181201	1	Bracket D-Iron H.D.GALV
	4	180788	1	Bolt and nut M16 x 175mm (5/8" x 7")

Scale 1:75

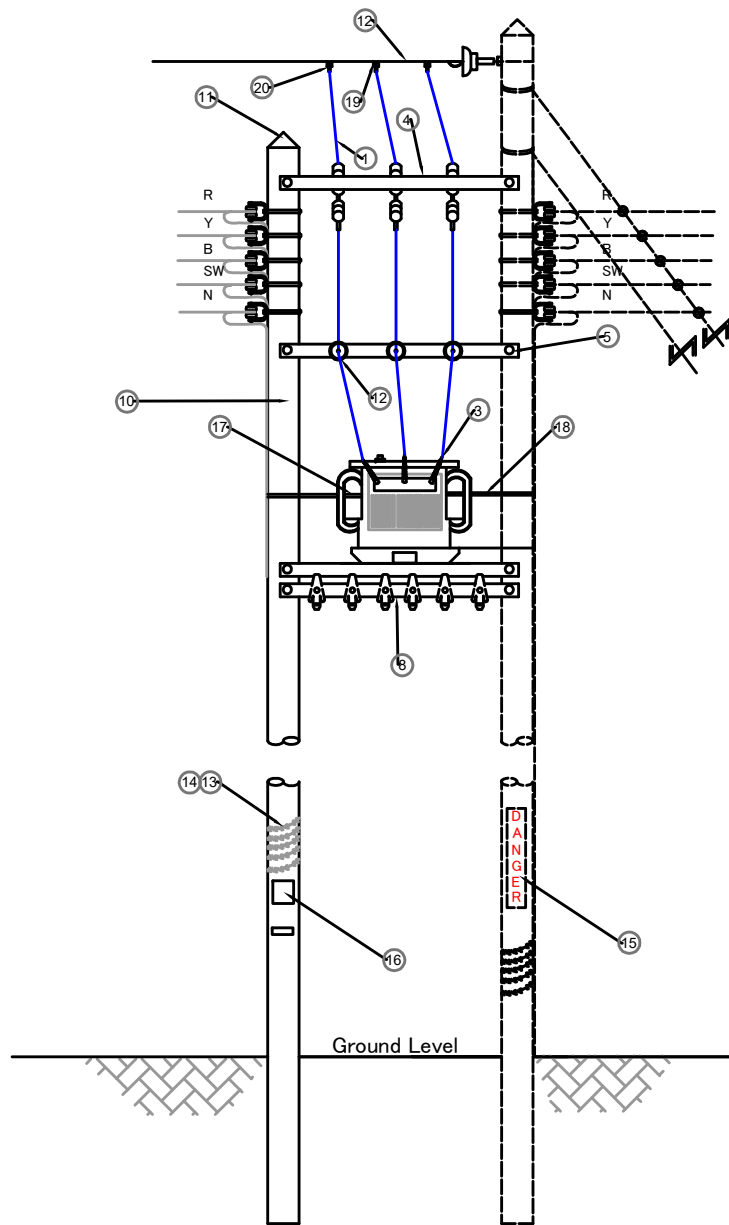
THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
AROUND NAIROBI CITY
IN THE REPUBLIC OF KENYA

DRAWING TITLE
Typical Drawing
- 33kV Pole Fitting No.2 -

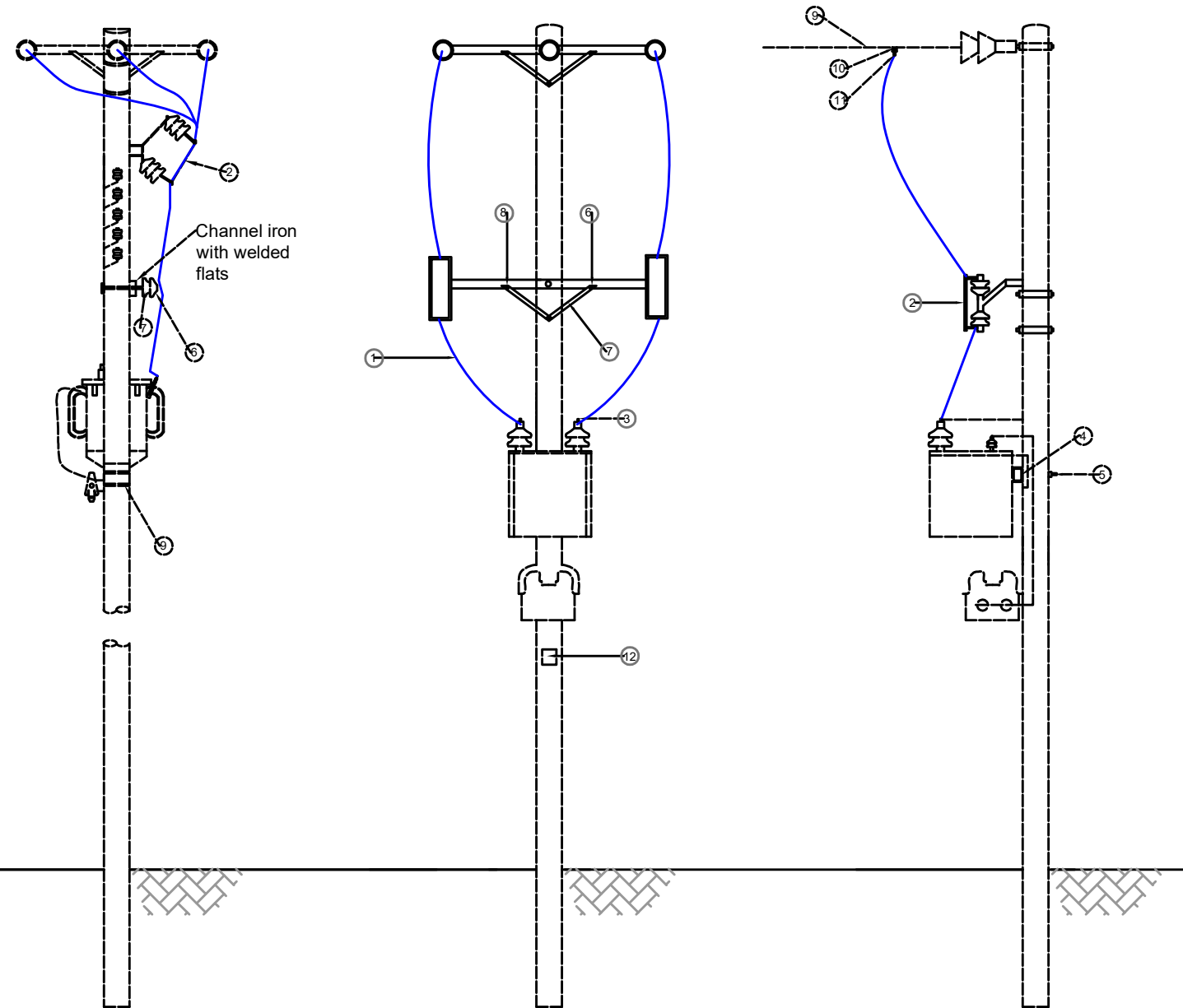
DRAW. NO.	PREPARED BY	J. GEOFRY
TD-05	CHECKED BY	S. MAETA
	APPROVED BY	Y. TANAKA
	DATE	Aug-15,2018



H POLE MOUNTED



SINGLE POLE MOUNTED SUBSTATION



H POLE MOUNTED

CU		MATERIALS			
MARK IN SKETCH	CODE	QUANTITY	DESCRIPTION		
1	182534	12m	Cable 50mm ² s/c Cu. PVC(19/ 064)		
2	185135	3	Isolator Solid link 33kv		
3	146220	3	Connector lug brass solder 70mm ² (8D)		
4	186922	4	Steel Channel steady bar U 2286 x 127 x 64mm		
5	180847	6	Bolt and nut M20 x 280mm (3/4" x 11")		
6	184813	3	Insulator pin 33kV		
7	187727	3	Spindle 33kV		
8	186932	1	Fuse bar wood 7' 6" x 5" x 4"		
9	180847	2	Bolt and nut M20 x 350mm (3/4" x 14")		
10	186187	1	Pole wood C 9.8 medium		
11	181251	1	Cover pole cap		
12	189705	12m	Binding wire No 9 AIPVC		
13	157201	7.5m	M barbed wire		
14	134301	0.1kg	Clout nails		
15	186006	1	Plate DANGER/HATARI		
16	---	1	Plate substation number		
17	189306	1	Tumbacle D/Screw 5/8" x 10"		
18	189748	4m	Stay wire 4/8		
19	182404	0.5m	Conductor 50mm ² AA HD bare		
20	188757	3	Connector live line tap 50mm ²		

SINGLE POLE MOUNTED SUBSTATION

CU		MATERIALS			
MARK IN SKETCH	CODE	QUANTITY	DESCRIPTION		
1	182534	12m	Cable 50mm ² s/c Cu. PVC(19/ 064)		
2	188447	3	Isolator Solid link 11kv		
3	146220	3	Connector lug brass solder 70mm ² (8D)		
4	186914	1	Single-pole mounted transformer platform		
5	180841	3	Bolt and nut M20 x 280mm (3/4" x 11")		
6	182911	1	Crossarm Steel 11kV L 1650 x 70 x 70mm		
7	188115	2	Tie strap Flat 590 x 40 x 5mm (11kV)		
8	180822	2	Bolt and nut M20 x 40mm (3/4" x 1 1/2")		
9	189705	12m	Binding wire No 9 AIPVC		
10	182402	1.5m	Conductor 50mm ² AA HD bare		
11	188757	3	Connector live line tap 50mm ²		
12	----	1	Plate substation number		

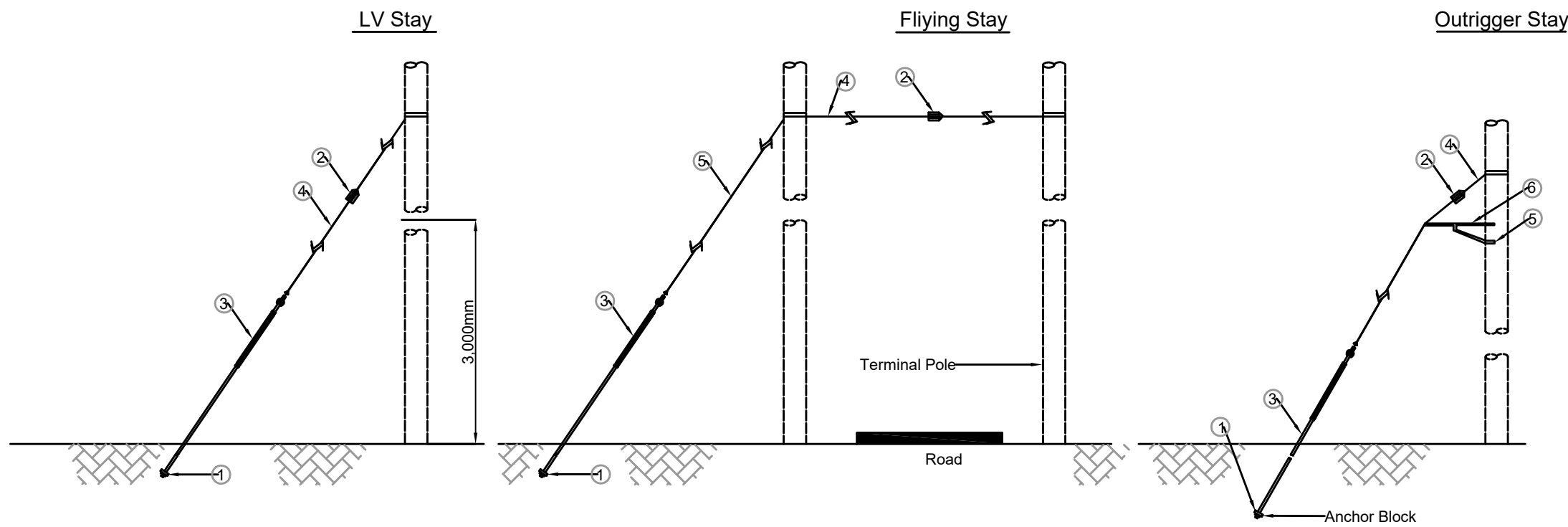
Scale 1:75

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
AROUND NAIROBI CITY
IN THE REPUBLIC OF KENYA

DRAWING TITLE
Typical Drawing
- Pole Mounted Sub Station -

DRAW. NO. TD-06
PREPARED BY J. GEOFRY
CHECKED BY S. MAETA
APPROVED BY Y. TANAKA
DATE Aug-15,2018

 NIPPON KOEI CO., LTD



LV Stay				
MATERIALS				
CU	MARK IN SKETCH	CODE	QUANTITY	DESCRIPTION
10250	1	180618	1	Stay block 3/4' Concrete
	2	184841	1	Stay Insulator
	3	186525	1	Stay Rod (1/2" x 6")
	4	189748	15m	Stay Wire 4/8
Flying Stay LV				
MATERIALS				
10260	1	180618	1	Stay block 3/4' Concrete
	2	184841	1	Stay Insulator
	3	186525	1	Stay Rod (1/2" x 6")
	4	189306	1	Turnbuckle D/Screw (5/8" x 10")
	5	189748	45m	Stay Wire 4/8
Outrigger Stay				
MATERIALS				
10270	1	180618	1	Stay block 3/4' Concrete
	2	184841	1	Stay Insulator
	3	186525	1	Stay Rod (1/2" x 6")
	4	189748	15m	Stay Wire 4/8
	5	143666	2	Screw Coach M12 x 80mm (1/2" x 3")
	6	181222	1	Bracket Outrigger

MV Stay				
MATERIALS				
CU	MARK IN SKETCH	CODE	QUANTITY	DESCRIPTION
15590	1	180618	1	Stay block 3/4' Concrete
	2	184841	1	Insulator stay 11kV
	3	186531	1	Stay Rod 8x3/4'
	4	189748	20m	Stay Wire 7/8
Flying Stay MV				
MATERIALS				
10260	1	180618	1	Stay block 3/4' Concrete
	2	184841	1	Insulator stay 11kV
	3	186531	1	Stay Rod 8x3/4'
	4	189306	1	Turn buckel double screw GALV. 10" 5/8"
	5	189737	20m	Stay Wire 7/8

Scale 1:75

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
AROUND NAIROBI CITY
IN THE REPUBLIC OF KENYA

DRAWING TITLE

Typical Drawing
- Stay LV / MV -

DRAW. NO.

TD-07

PREPARED BY

J. GEOFRY

CHECKED BY

S. MAETA

APPROVED BY

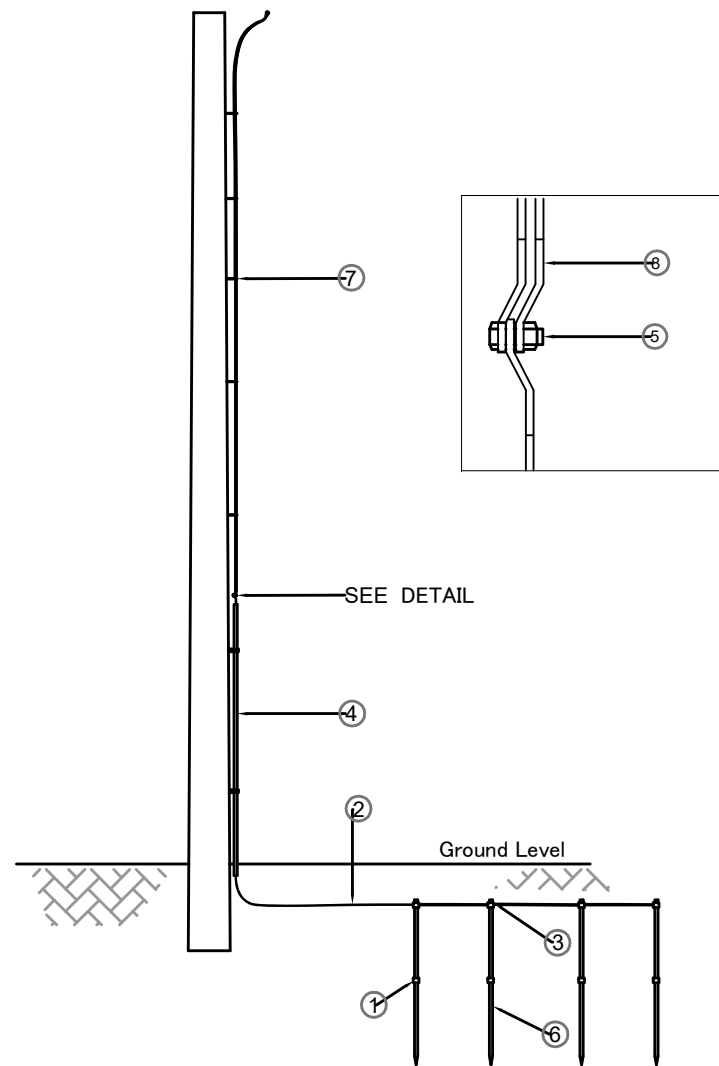
Y. TANAKA

DATE

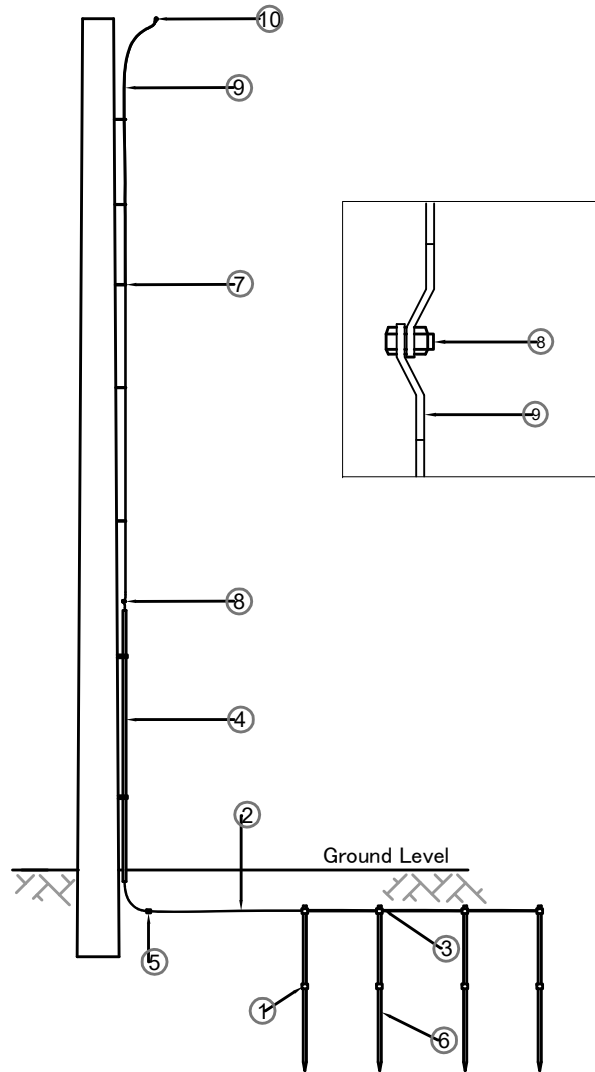
Aug-15,2018

 NIPPON KOEI CO., LTD

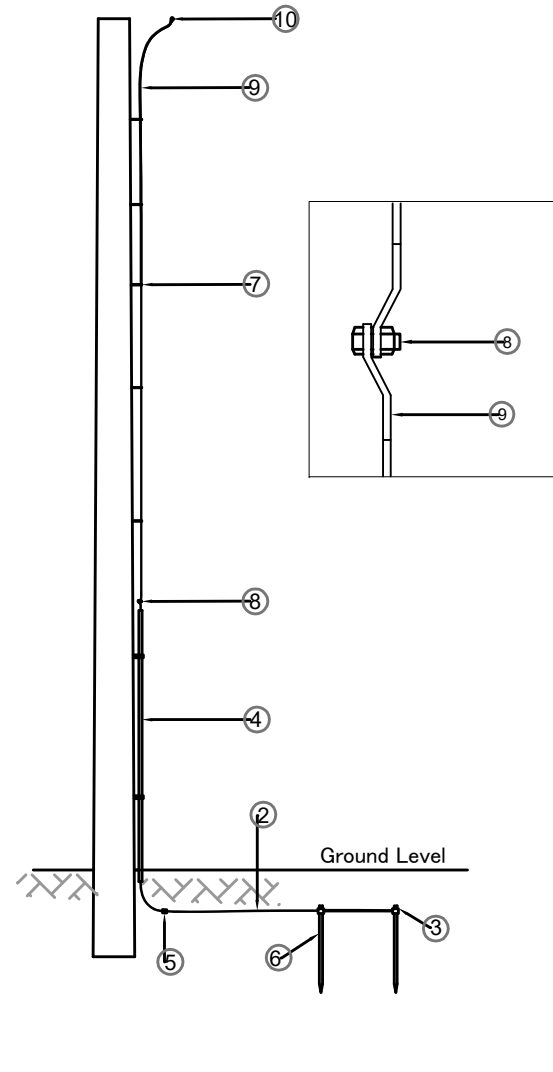
**MEDIUM VOLTAGE SUBSTATION
EARTH/SURGE EARTH**



LOW VOLTAGE EARTHING



PROTECTIVE MULTIPLE EARTH



MEDIUM VOLTAGE SUBSTATION EARTH/SURGE EARTH				
MATERIALS				
CU	MARK IN SKETCH	CODE	QUANTITY	DESCRIPTION
14010	1	186546	4	Couplings for earth rods 1/2"
	2	182534	20	Cable 50mm ² S/C Cu. PVC
	3	186550	4	Earth rod clamp 5/8 "
	4	112631	1	Cable guard PVC 1/2 " x 8' 6"
	5	105563	1	Bolt and nut brass M20 x 25mm (3/8" x 1")
	6	186544	8	Earth rod copper 1/2 " x 5"
	7	142802	6	Saddles for cables 5/8 "
	8	146220	3	Connector lug brass solder 70mm ² (8D)
	9	134301	0.1kg	Clout nails 1"
LOW VOLTAGE EARTHING				
MATERIALS				
14030	1	186546	4	Couplings for earth rods 1/2"
	2	182534	12	Cable 50mm ² S/C Cu. PVC
	3	186550	4	Earth rod clamp
	4	112631	1	Cable guard PVC 1/2 " x 8' 6"
	5	182532	8	Conductor 50mm ² AA A/D bare
	6	186544	8	Earth rod copper 1/2 " x 5"
	7	142802	6	Saddles for cables 5/8 "
	8	105563	1	Bolt and nut brass M20 x 25mm (3/8" x 1")
	9	146220	3	Connector line tap Al. 70mm ² (8D)
	10	188743	1	Connector line tap Al. 100mm ²
	11	134301	0.1kg	Clout nails 1"
PROTECTIVE MULTIPLE EARTH				
MATERIALS				
14060	2	182534	12	Cable 50mm ² S/C Cu. PVC
	3	186550	2	Earth rod clamp 5/8 "
	4	112631	1	Cable guard PVC 1/2 " x 8' 6"
	5	182532	8	Conductor 50mm ² AA A/D bare
	6	186544	2	Earth rod copper 1/2 " x 5"
	7	142802	6	Saddles 5/8 "
	8	105563	1	Bolt and nut brass 3/8 " x 1"
	9	146220	3	Connector lug brass solder 70mm ² (8D)
	10	188743	1	Connector line tap Al. 100mm ²
	11	134301	0.1kg	Clout nails 1"

Scale 1:75

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
AROUND NAIROBI CITY
IN THE REPUBLIC OF KENYA

DRAWING TITLE

Typical Drawing
- Earthing -

DRAW. NO.

TD-08

PREPARED BY

J. GEOFRY

CHECKED BY

S. MAETA

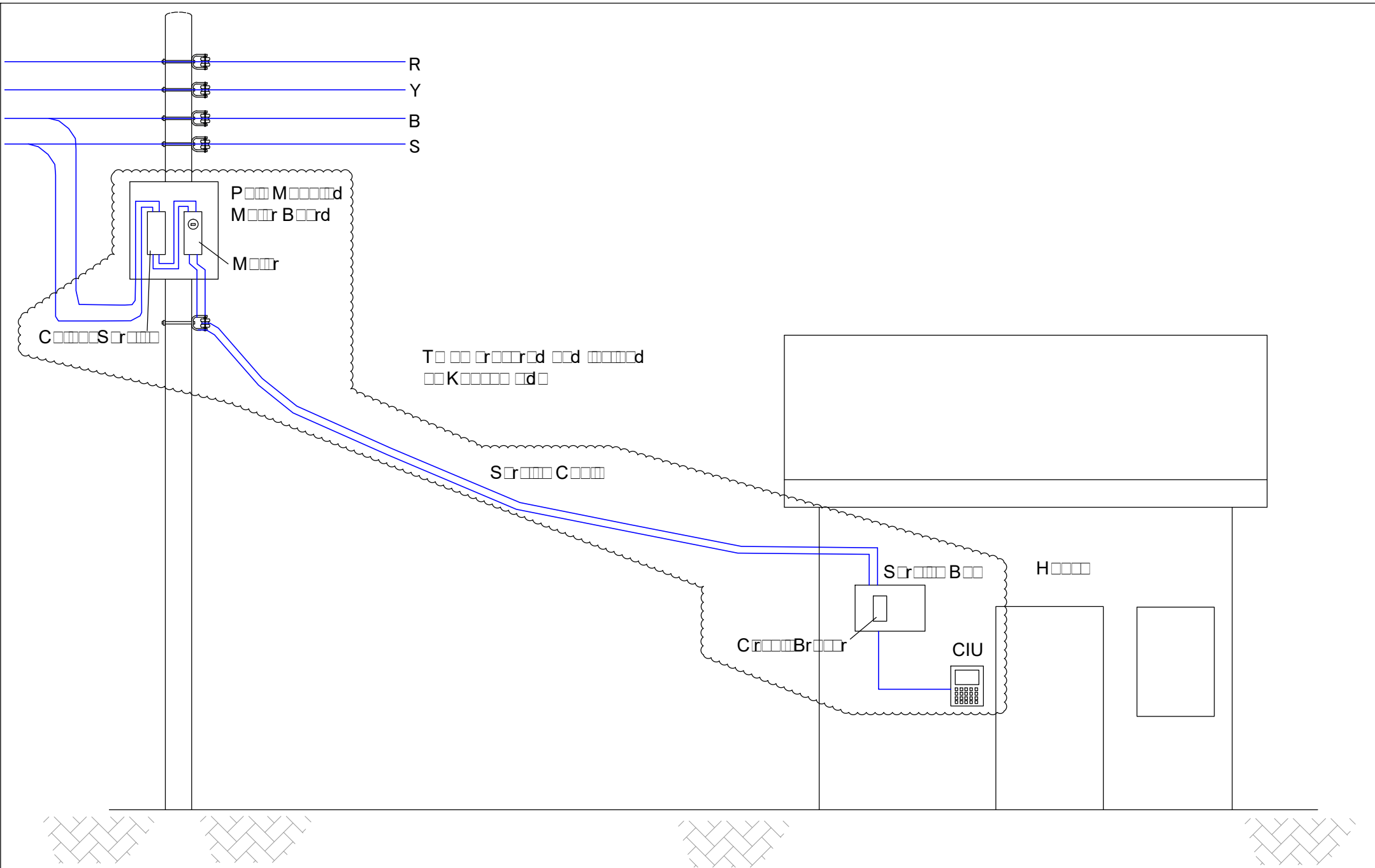
APPROVED BY


Y. TANAKA

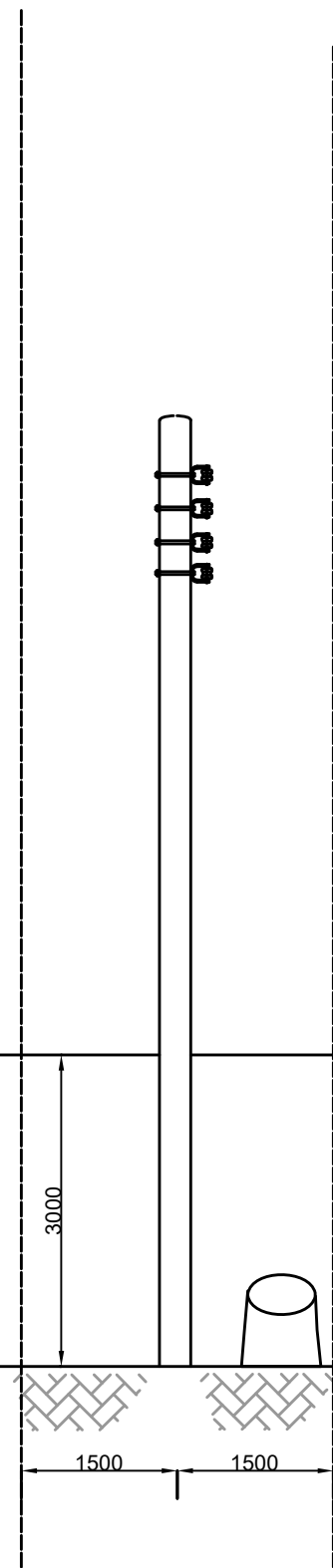
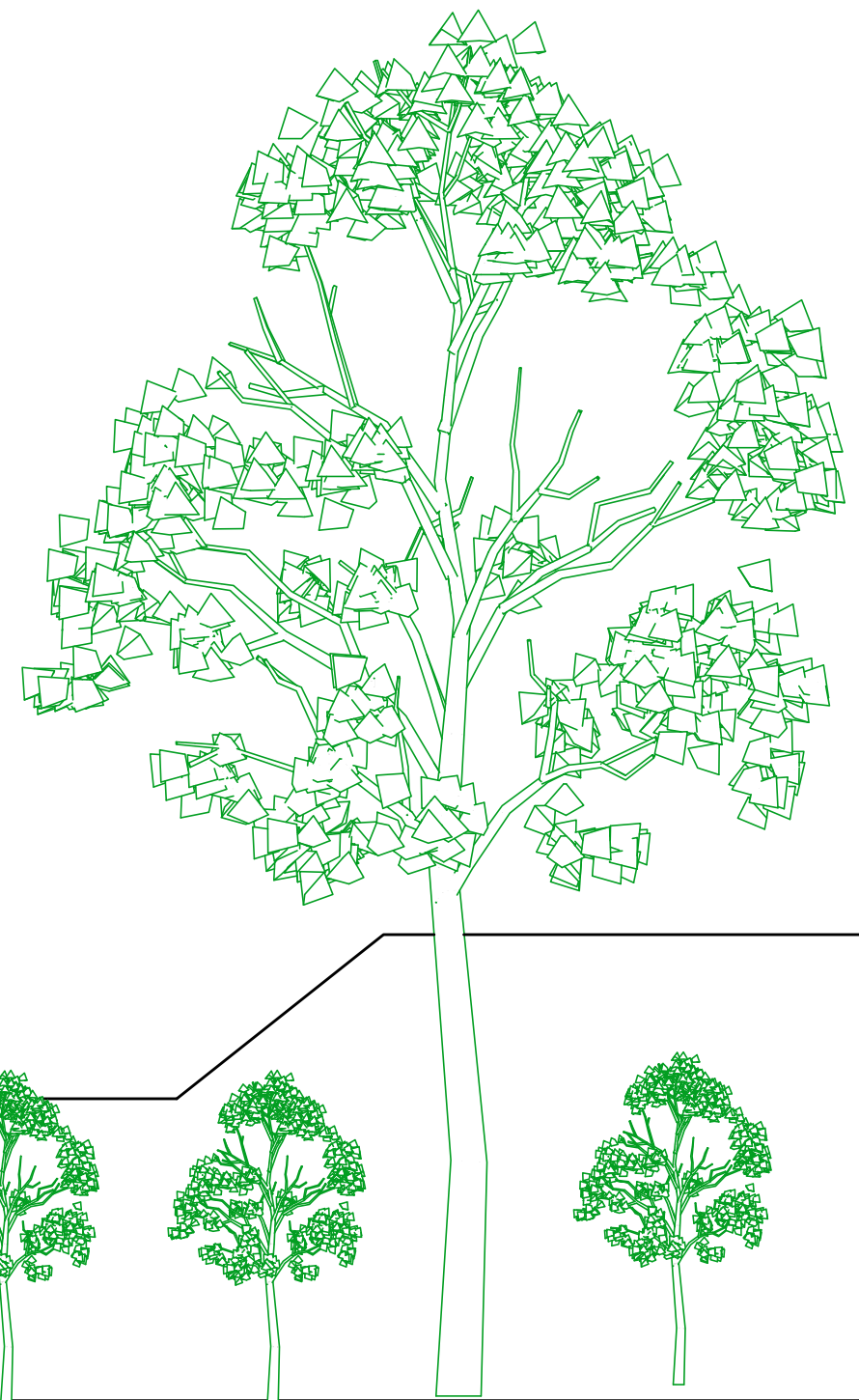
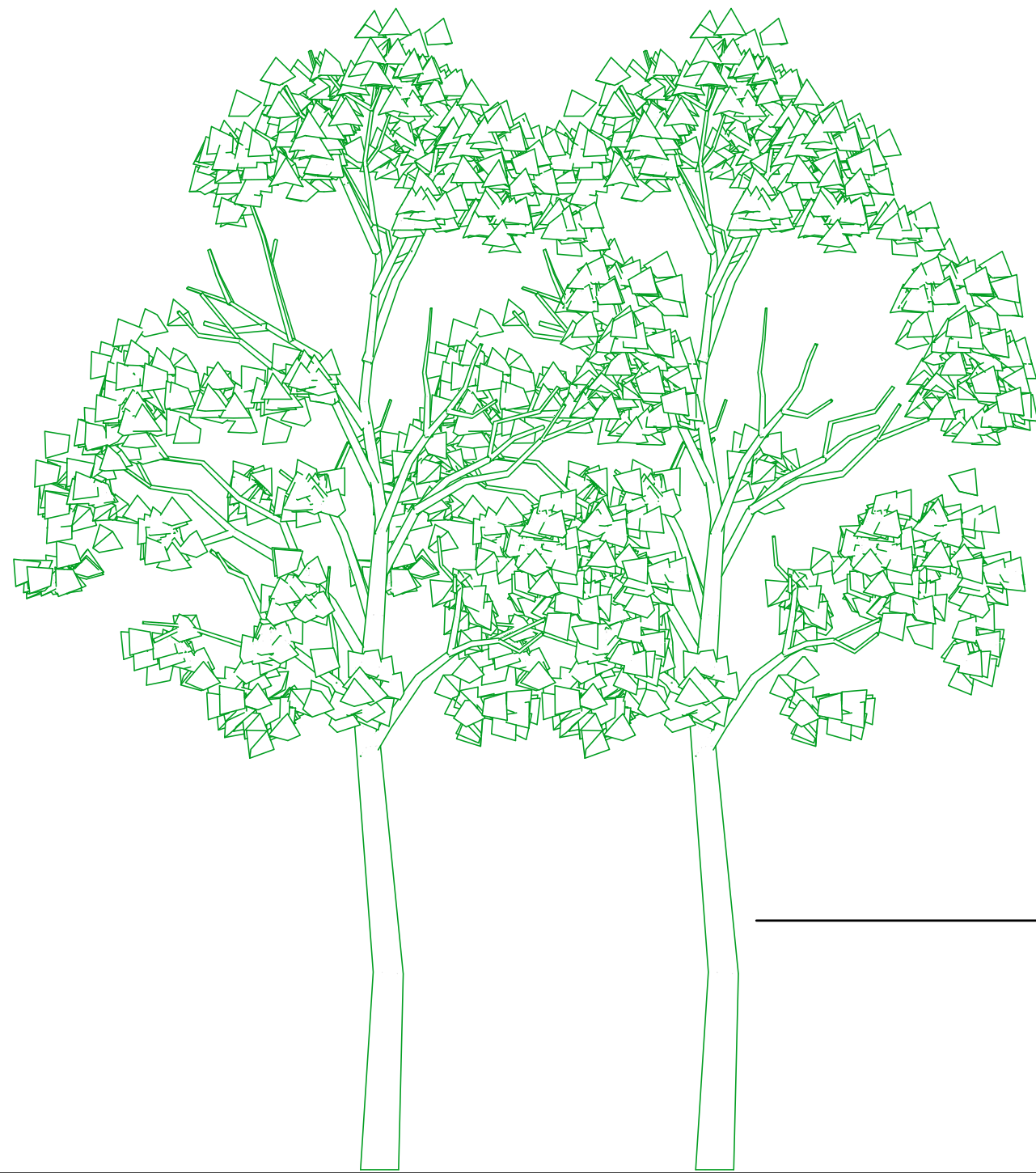
DATE

Aug-15,2018

 NIPPON KOEI CO., LTD



THE PREPARATORY SURVEY ON THE PROJECT FOR IMPROVEMENT OF POWER DISTRIBUTION SYSTEM AROUND NAIROBI CITY IN THE REPUBLIC OF KENYA	DRAWING TITLE	DRAW. NO.	PREPARED BY	J. GEOFRY	 NIPPON KOEI CO., LTD
	Typical Drawing - Service Line -	TD-09	CHECKED BY	S. MAETA	
			APPROVED BY	Y. TANAKA	
			DATE	Aug-15,2018	



3000

1500

1500

Scale 1:75

THE PREPARATORY SURVEY
ON THE PROJECT FOR IMPROVEMENT
OF POWER DISTRIBUTION SYSTEM
AROUND NAIROBI CITY
IN THE REPUBLIC OF KENYA

DRAWING TITLE

Typical Drawing
- Tree Cutting -

DRAW. NO.

TD-10

PREPARED BY

CHECKED BY

APPROVED BY

DATE

J. GEOFRY

S. MAETA

Y. TANAKA

Aug-15,2018



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