

















CHAINAGE (Km+m)	0+000	0+020	0+040	0+060	0+080	0+100	0+120
GROUND LEVEL (m amsl)	2119.135	2117.538	2116.671	2115.179	2113.257	2110.005	2108.342
INVERT LEVEL (m amsl)	2118.135	2116.671	2115.677	2114.096	2112.057	2109.245	2107.203
TRENCH DEPTH (m)	1.00	0.87	0.99	1.08	1.20	0.76	1.14
PIPE LENGTH & GRADIENT	L=20.00m S=1:20.0%	L=20.00m S=1:20.0%	L=20.00m S=1:20.0%	L=20.00m S=1:20.0%	L=20.00m S=1:20.0%	L=20.00m S=1:20.0%	L=20.00m S=1:20.0%
PIPE DETAILS							
VALVE CHAMBER NUMBER							
DESIGN FLOW (M ³ /day)							
BEDDING DETAILS							
HORIZONTAL BENDS							
VERTICAL BENDS							

1. ALL LEVELS ARE IN METRES BASED ON NATIONAL DATUM.
2. ALL DISTANCES ARE IN METRES UNLESS STATED OTHERWISE.
3. THE LOCATION OF PIPES FROM EDGES OF ROADS, PLOT BOUNDARIES AND FENCES AS SHOWN ARE APPROXIMATE.
4. EXACT LOCATION OF UNDERGROUND SERVICES TO BE CROSSED BY PIPELINES TO BE DETERMINED BY THE CONTRACTOR WITH ASSISTANCE FROM THE RELEVANT AUTHORITY AND FULL RESPONSIBILITY FOR ANY DAMAGE LIES WITH THE CONTRACTOR.
5. THE ACTUAL SETTING OUT TO BE CONFIRMED ON SITE BY THE ENGINEER
6. MINIMUM COVER TOP ALL PIPES TO BE 1.0M

- | | |
|---|---|
|  | PROPOSED WATER MAIN |
|  | ROAD |
|  | SPRING EYE |
|  | STRUCTURES |
|  | CONTOURS |
|  | EL STATIC |
|  | HGL |
|  | ORIGINAL GROUND LEVEL |
|  | PIPE INVERT LEVEL |
| S.A.V  | SINGLE ORIFICE AIR VALVE USE
AUTOMATIC AIR VALVE OR SMALL
ORIFICE AIR VALVE |
| D.A.V  | DOUBLE ORIFICE AIR VALVE
USE LARGE ORIFICE AIR
VALVE |
| S.V  | SECTIONAL VALVE |
| W.O  | WASHOUT |
|  | STANDARD BEND |



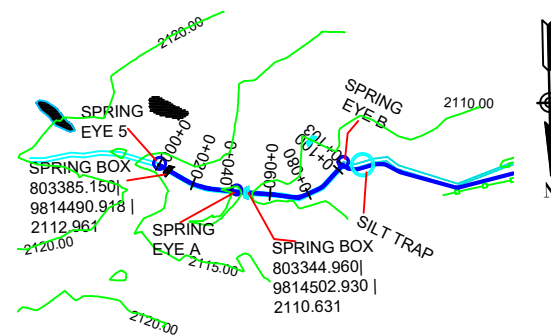
Amref Health Africa
P. O. Box 30125-00100
Nairobi Kenya
Email: info.kenya@amref.org

LEPOLOSI WATER SUPPLY PROJECT

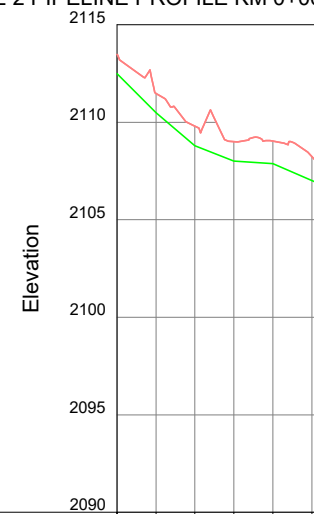
LINE 1 PIPELINE LAYOUT AND PROFILE
CHAINAGE 0+000 TO CHAINAGE 0+123

Drawn by	: S.O
Surveyed by	: N.W
Designed by	: J.A
Checked by	: J.A
Approved by	: J.A
Date	: MAY, 2023
Scale	: HS 1:2000 VS 1:200
Drg No.	: AMREF/LEP/LN1/01

[illegible]



LINE 2 PIPELINE PROFILE KM 0+000 TO KM 0+103



	CHAINAGE (Km+m)	0+000	0+020	0+040	0+060	0+080	0+100
	GROUND LEVEL (m amsl)	2113.479	2111.481	2109.791	2109.001	2109.034	2108.225
	INVERT LEVEL (m amsl)	2112.479	2110.482	2108.791	2108.001	2107.875	2107.063
	TRENCH DEPTH (m)	1.00	1.00	1.00	1.00	1.16	1.14
	PIPE LENGTH & GRADIENT	L=20.13 m S=-0.46%	L=20.13 m S=-0.46%	L=20.13 m S=-0.46%	L=20.00 m S=-0.46%	L=20.00 m S=-0.46%	L=23.66 m S=-0.46%
	PIPE DETAILS						
	VALVE CHAMBER NUMBER						
	DESIGN FLOW (M³/day)						
	BEDDING DETAILS						
	HORIZONTAL BENDS						
	VERTICAL BENDS						

NOTES:

1. ALL LEVELS ARE IN METRES BASED ON NATIONAL DATUM.
2. ALL DISTANCES ARE IN METRES UNLESS STATED OTHERWISE.
3. THE LOCATION OF PIPES FROM EDGES OF ROADS, PLOT BOUNDARIES AND FENCES AS SHOWN ARE APPROXIMATE.
4. EXACT LOCATION OF UNDERGROUND SERVICES TO BE CROSSED BY PIPELINES TO BE DETERMINED BY THE CONTRACTOR WITH ASSISTANCE FROM THE RELEVANT AUTHORITY AND FULL RESPONSIBILITY FOR ANY DAMAGE LIES WITH THE CONTRACTOR.
5. THE ACTUAL SETTING OUT TO BE CONFIRMED ON SITE BY THE ENGINEER
6. MINIMUM COVER TOP ALL PIPES TO BE 1.0M

LEGEND:

- | | |
|-------|---|
| | PROPOSED WATER MAIN |
| | ROAD |
| | SPRING EYE |
| | STRUCTURES |
| | CONTOURS |
| | EL STATIC |
| | HGL |
| | ORIGINAL GROUND LEVEL |
| | PIPE INVERT LEVEL |
| S.A.V | SINGLE ORIFICE AIR VALVE USE
AUTOMATIC AIR VALVE OR SMALL
ORIFICE AIR VALVE |
| D.A.V | DOUBLE ORIFICE AIR VALVE
USE LARGE ORIFICE AIR
VALVE |
| S.V | SECTIONAL VALVE |
| W.O | WASHOUT |
| | STANDARD BEND |

Client:



Amref Health Africa
P. O. Box 30125-00100
Nairobi Kenya
Email: info.kenya@amref.org

Project:

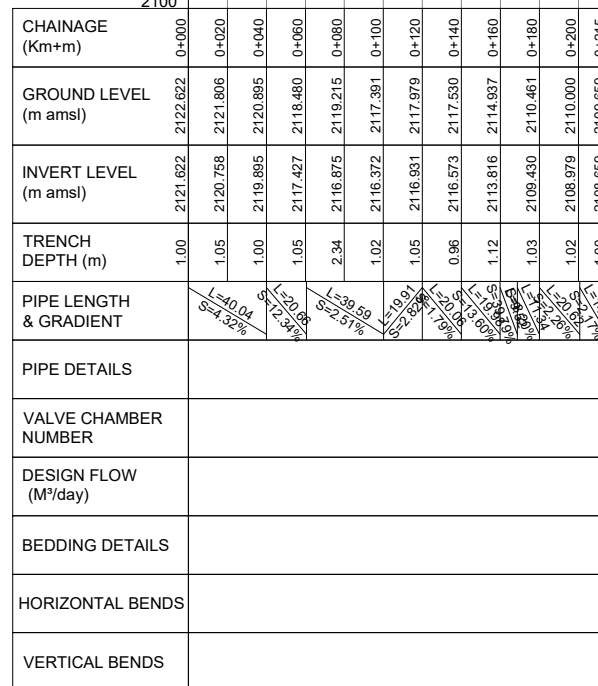
LEPOLOSI WATER SUPPLY PROJECT

Drawing Title:

LINE 2 PIPELINE LAYOUT AND PROFILE
CHAINAGE 0+000 TO CHAINAGE 0+103

Drawn by	: S.O
Surveyed by	: N.W
Designed by	: J.A
Checked by	: J.A
Approved by	: J.A
Date	: MAY, 2023
Scale	: HS 1:2000 VS 1:200
Drg No.	: AMREF/LEP/LN2/01

[illegible]



1. ALL LEVELS ARE IN METRES BASED ON NATIONAL DATUM.
2. ALL DISTANCES ARE IN METRES UNLESS STATED OTHERWISE.
3. THE LOCATION OF PIPES FROM EDGES OF ROADS, PLOT BOUNDARIES AND FENCES AS SHOWN ARE APPROXIMATE
4. EXACT LOCATION OF UNDERGROUND SERVICES TO BE CROSSED BY PIPELINES TO BE DETERMINED BY THE CONTRACTOR WITH ASSISTANCE FROM THE RELEVANT AUTHORITY AND FULL RESPONSIBILITY FOR ANY DAMAGE LIES WITH THE CONTRACTOR.
5. THE ACTUAL SETTING OUT TO BE CONFIRMED ON SITE BY THE ENGINEER
6. MINIMUM COVER TOP ALL PIPES TO BE 1.0M

	PROPOSED WATER MAIN
	ROAD
	SPRING EYE
	STRUCTURES
	CONTOURS
	EL. STATIC
	HGL
	ORIGINAL GROUND LEVEL
	PIPE INVERT LEVEL
S.A.V 	SINGLE ORIFICE AIR VALVE USE AUTOMATIC AIR VALVE OR SMALL ORIFICE AIR VALVE
D.A.V 	DOUBLE ORIFICE AIR VALVE USE LARGE ORIFICE AIR VALVE
S.V 	SECTIONAL VALVE
W.O 	WASHOUT
	STANDARD BEND



Project: LEPOLOSI WATER SUPPLY PROJECT

Drawn by	: S.O
Surveyed by	: N.W
Designed by	: J.A
Checked by	: J.A
Approved by	: J.A
Date	: MAY, 2023
Scale	: HS 1:2000 VS 1:200
Drg No.	: AMREF/LEP/LN3/01

[illegible]

