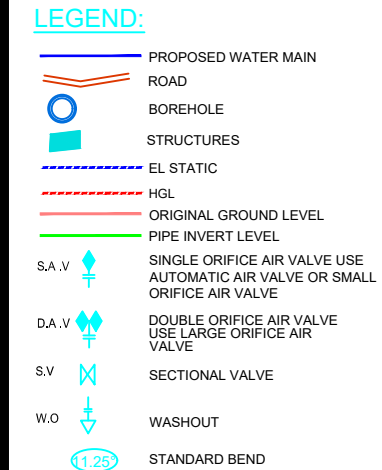
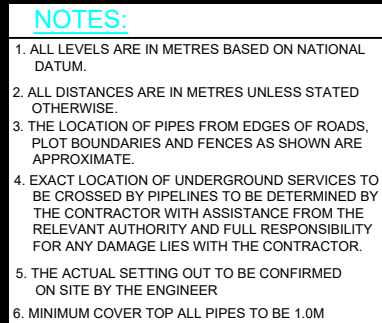


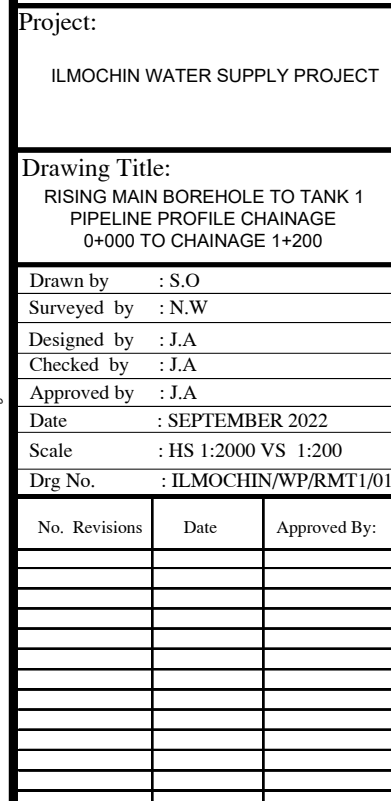


Client:



amref
health africa

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



[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
	BOREHOLE
	STRUCTURES
	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:

ILMOCHIN WATER SUPPLY PROJECT

RISING MAIN BOREHOLE TO TANK 1
 PIPELINE PROFILE CHAINAGE
 1+200 TO CHAINAGE 2+338

Drawn by	: S.O
Surveyed by	: N.W
Designed by	: J.A
Checked by	: J.A
Approved by	: J.A
Date	: SEPTEMBER 2022
Scale	: HS 1:2000 VS 1:200
Drg No.	: ILMOCHIN/WP/RMT/1/02

[illegible]



Tank site 10
Kiosk 2 Site



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.
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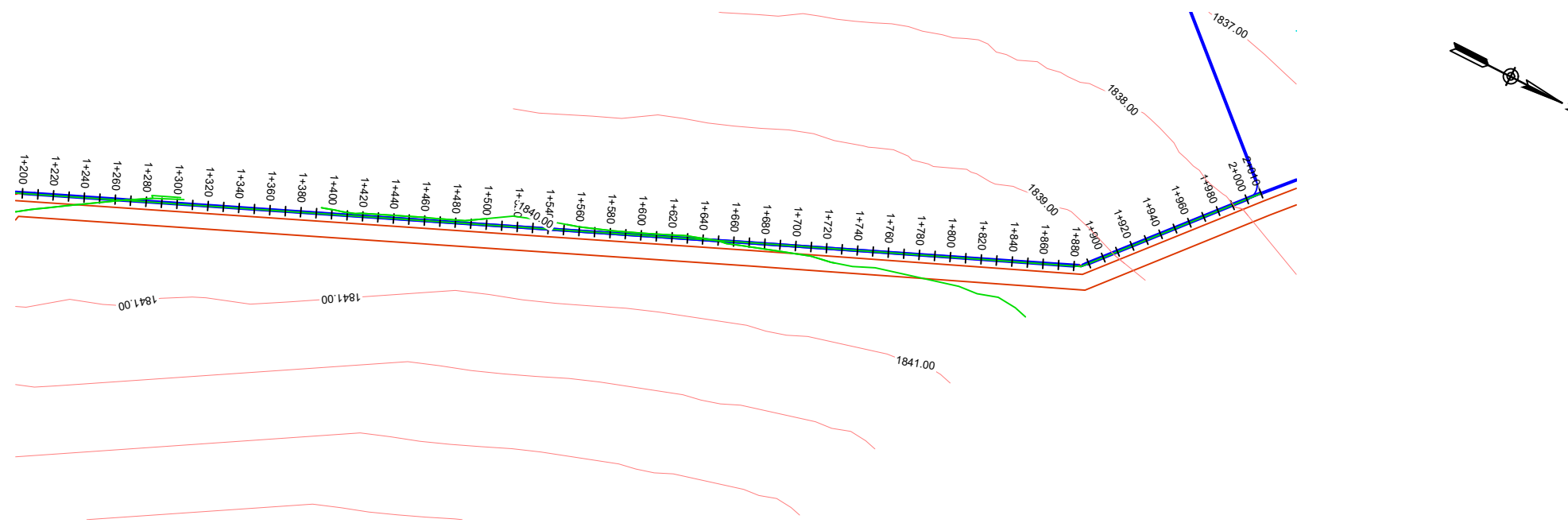


Project:

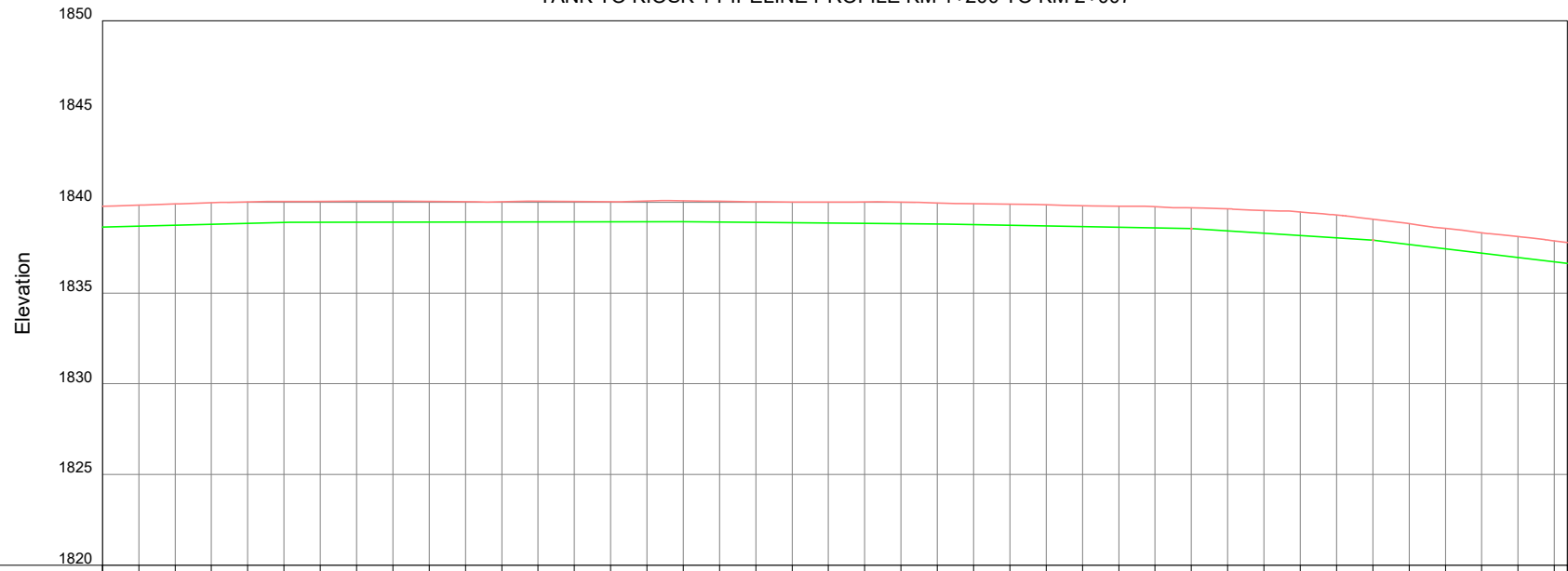
Drawing Title:

TANK TO KIOSK 1 PIPELINE PROFILE
CHAINAGE 0+000 TO CHAINAGE 1+200

[illegible]



TANK TO KIOSK 1 PIPELINE PROFILE KM 1+200 TO KM 2+007



CHAINAGE (Km+m)	1+200	1+220	1+240	1+260	1+280	1+300	1+320	1+340	1+360	1+380	1+400	1+420	1+440	1+460	1+480	1+500	1+520	1+540	1+560	1+580	1+600	1+620	1+640	1+660	1+680	1+700	1+720	1+740	1+760	1+780	1+800	1+820	1+840	1+860	1+880	1+900	1+920	1+940	1+960	1+980	2+000	2+020	2+040	2+060	2+080	2+100	2+120	2+140	2+160	2+180	2+200	2+220	2+240	2+260	2+280	2+300	2+320	2+340	2+360	2+380	2+400	2+420	2+440	2+460	2+480	2+500	2+520	2+540	2+560	2+580	2+600	2+620	2+640	2+660	2+680	2+700	2+720	2+740	2+760	2+780	2+800	2+820	2+840	2+860	2+880	2+900	2+920	2+940	2+960	2+980	3+000	3+020	3+040	3+060	3+080	3+100	3+120	3+140	3+160	3+180	3+200	3+220	3+240	3+260	3+280	3+300	3+320	3+340	3+360	3+380	3+400	3+420	3+440	3+460	3+480	3+500	3+520	3+540	3+560	3+580	3+600	3+620	3+640	3+660	3+680	3+700	3+720	3+740	3+760	3+780	3+800	3+820	3+840	3+860	3+880	3+900	3+920	3+940	3+960	3+980	4+000	4+020	4+040	4+060	4+080	4+100	4+120	4+140	4+160	4+180	4+200	4+220	4+240	4+260	4+280	4+300	4+320	4+340	4+360	4+380	4+400	4+420	4+440	4+460	4+480	4+500	4+520	4+540	4+560	4+580	4+600	4+620	4+640	4+660	4+680	4+700	4+720	4+740	4+760	4+780	4+800	4+820	4+840	4+860	4+880	4+900	4+920	4+940	4+960	4+980	5+000	5+020	5+040	5+060	5+080	5+100	5+120	5+140	5+160	5+180	5+200	5+220	5+240	5+260	5+280	5+300	5+320	5+340	5+360	5+380	5+400	5+420	5+440	5+460	5+480	5+500	5+520	5+540	5+560	5+580	5+600	5+620	5+640	5+660	5+680	5+700	5+720	5+740	5+760	5+780	5+800	5+820	5+840	5+860	5+880	5+900	5+920	5+940	5+960	5+980	6+000	6+020	6+040	6+060	6+080	6+100	6+120	6+140	6+160	6+180	6+200	6+220	6+240	6+260	6+280	6+300	6+320	6+340	6+360	6+380	6+400	6+420	6+440	6+460	6+480	6+500	6+520	6+540	6+560	6+580	6+600	6+620	6+640	6+660	6+680	6+700	6+720	6+740	6+760	6+780	6+800	6+820	6+840	6+860	6+880	6+900	6+920	6+940	6+960	6+980	7+000	7+020	7+040	7+060	7+080	7+100	7+120	7+140	7+160	7+180	7+200	7+220	7+240	7+260	7+280	7+300	7+320	7+340	7+360	7+380	7+400	7+420	7+440	7+460	7+480	7+500	7+520	7+540	7+560	7+580	7+600	7+620	7+640	7+660	7+680	7+700	7+720	7+740	7+760	7+780	7+800	7+820	7+840	7+860	7+880	7+900	7+920	7+940	7+960	7+980	8+000	8+020	8+040	8+060	8+080	8+100	8+120	8+140	8+160	8+180	8+200	8+220	8+240	8+260	8+280	8+300	8+320	8+340	8+360	8+380	8+400	8+420	8+440	8+460	8+480	8+500	8+520	8+540	8+560	8+580	8+600	8+620	8+640	8+660	8+680	8+700	8+720	8+740	8+760	8+780	8+800	8+820	8+840	8+860	8+880	8+900	8+920	8+940	8+960	8+980	9+000	9+020	9+040	9+060	9+080	9+100	9+120	9+140	9+160	9+180	9+200	9+220	9+240	9+260	9+280	9+300	9+320	9+340	9+360	9+380	9+400	9+420	9+440	9+460	9+480	9+500	9+520	9+540	9+560	9+580	9+600	9+620	9+640	9+660	9+680	9+700	9+720	9+740	9+760	9+780	9+800	9+820	9+840	9+860	9+880	9+900	9+920	9+940	9+960	9+980	10+000	10+020	10+040	10+060	10+080	10+100	10+120	10+140	10+160	10+180	10+200	10+220	10+240	10+260	10+280	10+300	10+320	10+340	10+360	10+380	10+400	10+420	10+440	10+460	10+480	10+500	10+520	10+540	10+560	10+580	10+600	10+620	10+640	10+660	10+680	10+700	10+720	10+740	10+760	10+780	10+800	10+820	10+840	10+860	10+880	10+900	10+920	10+940	10+960	10+980	11+000	11+020	11+040	11+060	11+080	11+100	11+120	11+140	11+160	11+180	11+200	11+220	11+240	11+260	11+280	11+300	11+320	11+340	11+360	11+380	11+400	11+420	11+440	11+460	11+480	11+500	11+520	11+540	11+560	11+580	11+600	11+620	11+640	11+660	11+680	11+700	11+720	11+740	11+760	11+780	11+800	11+820	11+840	11+860	11+880	11+900	11+920	11+940	11+960	11+980	12+000	12+020	12+040	12+060	12+080	12+100	12+120	12+140	12+160	12+180	12+200	12+220	12+240	12+260	12+280	12+300	12+320	12+340	12+360	12+380	12+400	12+420	12+440	12+460	12+480	12+500	12+520	12+540	12+560	12+580	12+600	12+620	12+640	12+660	12+680	12+700	12+720	12+740	12+760	12+780	12+800	12+820	12+840	12+860	12+880	12+900	12+920	12+940	12+960	12+980	13+000	13+020	13+040	13+060	13+080	13+100	13+120	13+140	13+160	13+180	13+200	13+220	13+240	13+260	13+280	13+300	13+320	13+340	13+360	13+380	13+400	13+420	13+440	13+460	13+480	13+500	13+520	13+540	13+560	13+580	13+600	13+620	13+640	13+660	13+680	13+700	13+720	13+740	13+760	13+780	13+800	13+820	13+840	13+860	13+880	13+900	13+920	13+940	13+960	13+980	14+000	14+020	14+040	14+060	14+080	14+100	14+120	14+140	14+160	14+180	14+200	14+220	14+240	14+260	14+280	14+300	14+320	14+340	14+360	14+380	14+400	14+420	14+440	14+460	14+480	14+500	14+520	14+540	14+560	14+580	14+600	14+620	14+640	14+660	14+680	14+700	14+720	14+740	14+760	14+780	14+800	14+820	14+840	14+860	14+880	14+900	14+920	14+940	14+960	14+980	15+000	15+020	15+040	15+060	15+080	15+100	15+120	15+140	15+160	15+180	15+200	15+220	15+240	15+260	15+280	15+300	15+320	15+340	15+360	15+380	15+400	15+420	15+440	15+460	15+480	15+500	15+520	15+540	15+560	15+580	15+600	15+620	15+640	15+660	15+680	15+700	15+720	15+740	15+760	15+780	15+800	15+820	15+840	15+860	15+880	15+900	15+920	15+940	15+960	15+980	16+000	16+020	16+040	16+060	16+080	16+100	16+120	16+140	16+160	16+180	16+200	16+220	16+240	16+260	16+280	16+300	16+320	16+340	16+360	16+380	16+400	16+420	16+440	16+460	16+480	16+500	16+520	16+540	16+560	16+580	16+600	16+620	16+640	16+660	16+680	16+700	16+720	16+740	16+760	16+780	16+800	16+820	16+840	16+860	16+880	16+900	16+920	16+940	16+960	16+980	17+000	17+020	17+040	17+060	17+080	17+100	17+120	17+140	17+160	17+180	17+200	17+220	17+240	17+260	17+280	17+300	17+320	17+340	17+360	17+380	17+400	17+420	17+440	17+460	17+480	17+500	17+520	17+540	17+560	17+580	17+600	17+620	17+640	17+660	17+680	17+700	17+720	17+740	17+760	17+780	17+800	17+820	17+840	17+860	17+880	17+900	17+920	17+940	17+960	17+980	18+000	18+020	18+040	18+060	18+080	18+100	18+120	18+140	18+160	18+180	18+200	18+220	18+240	18+260	18+280	18+300	18+320	18+340	18+360	18+380	18+400	18+420	18+440	18+460	18+480	18+500	18+520	18+540	18+560	18+580	18+600	18+620	18+640	18+660	18+680	18+700	18+720	18+740	18+760	18+780	18+800	18+820	18+840	18+860	18+880	18+900	18+920	18+940	18+960	18+980	19+000	19+020	19+040	19+060	19+080	19+100	19+120	19+140	19+160	19+180	19+200	19+220	19+240	19+260	19+280	19+300	19+320	19+340	19+360	19+380	19+400	19+420	19+440	19+460	19+480	19+500	19+520	19+540	19+560	19+580	19+600	19+620	19+640	19+660	19+680	19+700	19+720	19+740	19+760	19+780	19+800	19+820	19+840	19+860	19+880	19+900	19+920	19+940	19+960	19+980	20+000	20+020	20+040	20+060	20+080	20+100	20+120	20+140	20+160	20+180	20+200	20+220	20+240	20+260	20+280	20+300	20+320	20+340	20+360	20+380	20+400	20+420	20+440	20+460	20+480	20+500	20+520	20+540	20+560	20+580	20+600	20+620	20+640	20+660	20+680	20+700	20+720	20+740	20+760	20+780	20+800	20+820	20+840	20+860	20+880	20+900	20+920	20+940	20+960	20+980	21+000	21+020	21+040	21+060	21+080	21+100	21+120	21+140	21+160	21+180	21+200	21+220	21+240	21+260	21+280	21+300	21+320	21+340	21+360	21+380	21+400	21+420	21+440	21+460	21+480	21+500	21+520	21+540	21+560	21+580	21+600	21+620	21+640	21+660	21+680	21+700	21+720	21+740	21+760	21+780	21+800	21+820	21+840	21+860	21+880	21+900	21+920	21+940	21+960	21+980	22+000	22+020	22+040	22+060	22+080	22+100	22+120	22+140	22+160	22+180	22+200	22+220	22+240	22+260	22+280	22+300	22+320	22+340	22+360	22+380	22+400	22+420	22+440	22+460	22+480	22+500	22+520	22+540	22+560	22+580	22+600	22+620	22+640	22+660	22+680	22+700	22+720	22+740	22+760	22+780	22+800	22+820	22+840	22+860	22+880	22+900	22+920	22+940	22+960	22+980	23+000	23+020	23+040	23+060	23+080	23+100	23+120	23+140	23+160	23+180	23+200	23+220	23+240	23+260	23+280	23+300	23+320	23+340	23+360	23+380	23+400	23+420	23+440	23+460	23+480	23+500	23+520	23+540	23+560	23+580	23+600	23+620	23+640	23+660	23+680	23+700	23+720	23+740	23+760	23+780	23+800	23+820	23+840	23+860	23+880	23+900	23+920	23+940	23+960	23+980	24+000	24+020	24+040	24+060	24+080	24+100	24+120	24+140	24+160	24+180	24+200	24+220	24+240	24+260	24+280	24+300	24+320	24+340	24+360	24+380	24+400	24+420	24+440	24+460	24
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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 |
|  | BOREHOLE |
|  | STRUCTURES |
|  | 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:

ILMOCHIN WATER SUPPLY PROJECT

Drawing Title:

TANK TO KIOSK 1 PIPELINE PROFILE CHAINAGE 1+200 TO CHAINAGE 2+007

Drawn by : S.O

Surveyed by : N.W

Designed by : J.A

Checked by : J.A

Approved by : J.A

Date : SEPTEMBER 2022

Scale · HS 1:2000 VS 1:200

Drg No : II MOCHIN/WP/T1K1/02

[illegible]



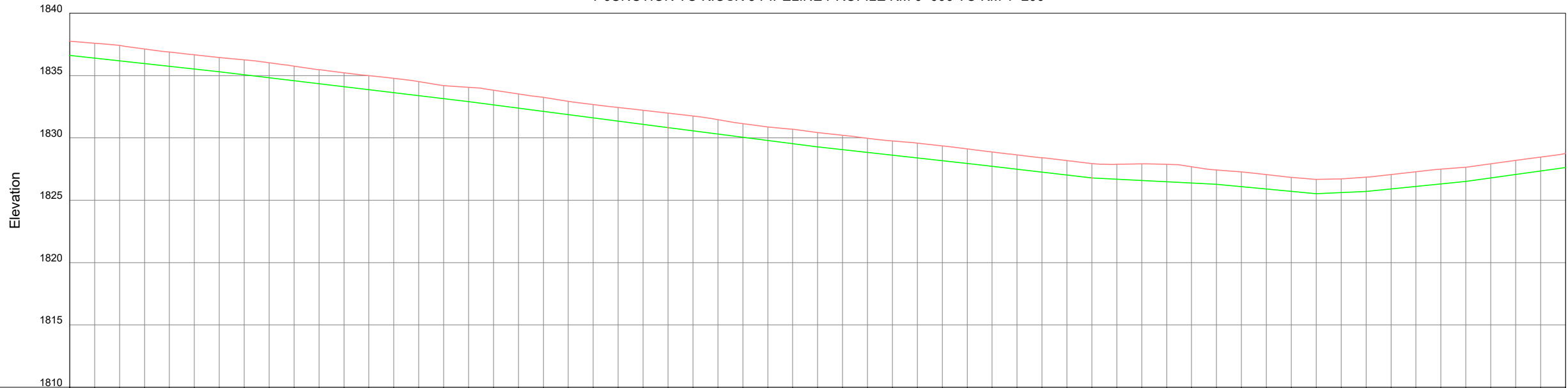
BOREHOLE
LOCATION

ILMOCHIN PRIMARY
SCHOOL

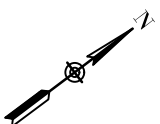
CROSS
JUNCTION

ILMOCHIN
VILLAGE
KIOSK 1 SITE
T-JUNCTION

T-JUNCTION TO KIOSK 3 PIPELINE PROFILE KM 0+000 TO KM 1+200



CHAINAGE (Km+m)	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540	0+560	0+580	0+600	0+620	0+640	0+660	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880	0+900	0+920	0+940	0+960	0+980	1+000	1+020	1+040	1+060	1+080	1+100	1+120	1+140	1+160	1+180	1+200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
GROUND LEVEL (m amsl)	1837.760	1837.587	1837.417	1837.134	1836.883	1836.662	1836.449	1836.254	1836.022	1835.753	1835.470	1835.216	1834.996	1834.775	1834.514	1834.196	1834.056	1833.826	1833.519	1833.258	1832.937	1832.676	1832.435	1832.211	1831.982	1831.753	1831.462	1831.148	1830.871	1830.698	1830.436	1830.210	1829.976	1829.753	1829.585	1829.356	1829.113	1828.869	1828.640	1828.407	1828.184	1827.944	1827.882	1827.919	1827.875	1827.690	1827.424	1827.279	1827.059	1826.831	1826.676	1826.711	1826.849	1827.056	1827.285	1827.503	1827.653	1827.918	1828.197	1828.464	1828.755																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
INVERT LEVEL (m amsl)	1836.610	1836.392	1836.173	1835.955	1835.736	1835.518	1835.299	1835.060	1834.820	1834.581	1834.342	1834.103	1833.863	1833.624	1833.385	1833.145	1832.906	1832.647	1832.387	1832.128	1831.869	1831.610	1831.350	1831.091	1830.832	1830.574	1830.317	1830.059	1829.802	1829.544	1829.287	1829.065	1828.843	1828.622	1828.400	1828.178	1827.957	1827.727	1827.494	1827.260	1827.027	1826.794	1826.569	1826.338	1826.103	1825.866	1825.626	1825.382	1825.135	1824.885	1824.631	1824.373	1824.111	1823.845	1823.575	1823.301	1823.023	1822.741	1822.455	1822.165	1821.871	1821.573	1821.271	1820.965	1820.655	1820.341	1819.993	1819.629	1819.253	1818.865	1818.465	1818.053	1817.629	1817.193	1816.745	1816.285	1815.813	1815.329	1814.833	1814.325	1813.805	1813.273	1812.729	1812.173	1811.605	1811.025	1810.433	1809.829	1809.213	1808.585	1807.945	1807.293	1806.629	1805.953	1805.265	1804.565	1803.853	1803.127	1802.387	1801.633	1800.865	1800.083	1799.287	1798.477	1797.653	1796.815	1795.963	1795.097	1794.217	1793.323	1792.415	1791.493	1790.557	1789.607	1788.643	1787.665	1786.673	1785.667	1784.647	1783.613	1782.565	1781.503	1780.427	1779.337	1778.233	1777.115	1775.983	1774.837	1773.677	1772.503	1771.315	1770.113	1768.897	1767.667	1766.423	1765.165	1763.893	1762.607	1761.307	1760.003	1758.685	1757.353	1756.007	1754.647	1753.273	1751.885	1750.483	1749.067	1747.637	1746.193	1744.735	1743.259	1741.765	1740.253	1738.723	1737.175	1735.609	1734.027	1732.429	1730.815	1729.185	1727.539	1725.877	1724.209	1722.525	1720.825	1719.109	1717.377	1715.629	1713.865	1712.085	1710.289	1708.477	1706.649	1704.805	1702.945	1701.069	1699.177	1697.269	1695.345	1693.405	1691.449	1689.477	1687.489	1685.485	1683.465	1681.429	1679.377	1677.309	1675.225	1673.125	1671.009	1668.877	1666.729	1664.565	1662.385	1660.189	1657.977	1655.751	1653.501	1651.227	1648.939	1646.637	1644.321	1641.991	1639.647	1637.289	1634.917	1632.531	1630.131	1627.717	1625.285	1622.835	1620.367	1617.883	1615.383	1612.867	1610.335	1607.787	1605.223	1602.643	1600.047	1597.435	1594.807	1592.163	1589.503	1586.827	1584.135	1581.427	1578.703	1575.963	1573.207	1570.435	1567.647	1564.843	1562.023	1559.187	1556.335	1553.467	1550.583	1547.683	1544.767	1541.835	1538.887	1535.923	1532.943	1529.947	1526.935	1523.907	1520.863	1517.803	1514.727	1511.635	1508.527	1505.403	1502.263	1499.107	1495.935	1492.747	1489.543	1486.323	1483.087	1479.835	1476.567	1473.283	1469.983	1466.667	1463.335	1459.987	1456.623	1453.243	1449.847	1446.435	1442.997	1439.543	1436.073	1432.587	1429.085	1425.567	1422.033	1418.483	1414.917	1411.335	1407.737	1404.123	1400.493	1396.847	1393.185	1389.507	1385.813	1382.103	1378.377	1374.635	1370.877	1367.103	1363.313	1359.507	1355.685	1351.847	1347.993	1344.123	1340.237	1336.335	1332.417	1328.483	1324.533	1320.567	1316.585	1312.587	1308.573	1304.537	1300.479	1296.399	1292.297	1288.173	1284.027	1279.857	1275.663	1271.445	1267.203	1262.937	1258.647	1254.333	1249.995	1245.633	1241.247	1236.837	1232.403	1227.945	1223.463	1218.957	1214.427	1209.873	1205.295	1200.693	1196.067	1191.417	1186.743	1182.045	1177.323	1172.577	1167.807	1163.013	1158.195	1153.353	1148.487	1143.597	1138.683	1133.745	1128.783	1123.797	1118.787	1113.753	1108.695	1103.613	1098.507	1093.377	1088.223	1083.045	1077.843	1072.617	1067.367	1062.093	1056.795	1051.473	1046.127	1040.757	1035.363	1029.945	1024.503	1019.037	1013.547	1008.033	1002.495	996.933	991.347	985.737	980.103	974.445	968.763	963.057	957.327	951.573	945.795	939.993	934.167	928.317	922.443	916.545	910.623	904.677	898.707	892.713	886.695	880.653	874.587	868.497	862.383	856.245	850.083	843.897	837.687	831.453	825.195	818.913	812.607	806.277	799.923	793.545	787.143	780.717	774.267	767.793	761.295	754.773	748.227	741.657	735.063	728.445	721.803	715.137	708.447	701.733	694.995	688.233	681.447	674.637	667.803	660.945	654.063	647.157	640.227	633.273	626.295	619.293	612.267	605.217	598.143	591.045	583.923	576.777	569.607	562.413	555.195	547.953	540.687	533.397	526.083	518.743	511.377	503.987	496.573	489.135	481.673	474.187	466.677	459.143	451.585	444.003	436.397	428.767	421.113	413.435	405.733	397.997	390.227	382.423	374.585	366.713	358.807	350.867	342.893	334.885	326.843	318.767	310.657	302.513	294.335	286.123	277.877	269.597	261.283	252.935	244.553	236.137	227.687	219.203	210.685	202.133	193.547	184.927	176.273	167.585	158.863	150.107	141.317	132.493	123.635	114.743	105.817	96.857	87.863	78.835	69.773	60.677	51.553	42.393	33.197	23.967	14.693	5.373	-4.003	-13.227	-22.397	-31.513	-40.567	-49.553	-58.463	-67.287	-76.023	-84.663	-93.203	-101.737	-110.153	-118.443	-126.603	-134.623	-142.503	-150.237	-157.823	-165.253	-172.513	-179.593	-186.493	-193.203	-199.713	-206.013	-212.103	-218.073	-223.813	-229.313	-234.573	-239.593	-244.363	-248.893	-253.173	-257.203	-261.073	-264.683	-268.023	-271.083	-273.843	-276.303	-278.453	-280.283	-281.793	-282.973	-283.793	-284.243	-284.313	-283.993	-283.283	-282.183	-280.683	-278.783	-276.483	-273.773	-270.643	-267.083	-263.083	-258.623	-253.693	-248.283	-242.383	-235.983	-229.083	-221.673	-213.743	-205.283	-196.283	-186.733	-176.623	-165.943	-154.673	-142.803	-130.313	-117.193	-103.423	-89.003	-73.923	-58.173	-41.743	-24.623	-7.713	9.003	25.223	40.773	55.643	69.823	83.303	96.073	108.123	119.443	129.923	139.553	148.323	156.223	163.243	169.373	174.603	178.923	182.323	184.783	186.293	186.843	186.423	185.023	182.643	179.283	174.943	169.613	163.283	155.943	147.583	138.193	127.763	116.283	103.743	90.133	75.443	59.653	42.753	25.733	8.583	-8.703	-26.113	-43.703	-60.453	-76.253	-91.083	-104.923	-117.753	-129.553	-140.303	-150.003	-158.633	-166.183	-172.643	-177.993	-182.223	-185.323	-187.283	-188.093	-187.743	-186.133	-183.153	-178.793	-173.043	-165.893	-157.343	-147.373	-135.983	-123.153	-108.873	-93.123	-75.893	-57.173	-36.953	-15.223	7.003	28.623	58.573	86.743	113.123	137.693	159.443	178.353	194.413	207.513	217.643	224.783	228.923	230.053	228.163	224.243	218.283	210.273	200.203	188.053	173.813	157.473	139.023	118.453	95.753	70.903	44.893	17.703	-9.673	-36.993	-73.243	-108.413	-142.493	-175.473	-207.343	-237.993	-267.413	-295.493	-322.123	-347.293	-370.893	-392.893	-413.283	-431.953	-448.883	-464.053	-478.453	-491.973	-504.593	-516.293	-526.953	-536.553	-545.073	-552.493	-558.793	-563.953	-567.953	-570.773	-572.393	-572.803	-571.993	-570.043	-566.943	-562.683	-557.243	-550.613	-542.783	-533.743	-523.483	-511.993	-499.263	-485.283	-469.943	-453.233	-435.143	-415.653	-394.753	-372.423	-348.643	-323.393	-296.653	-268.413	-238.653	-207.353	-174.483	-139.993	-103.743	-65.793	-26.113	14.203	53.423	90.543	125.543	158.413	189.013	217.223	242.923	266.003	286.343	303.833	318.363	329.813	338.163	343.393	345.493	344.453	340.243	3333



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
	BOREHOLE
	STRUCTURES
	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



ILMOCHIN WATER SUPPLY PROJECT

T-JUNCTION TO KIOSK 3 PIPELINE
PROFILE CHAINAGE 1+200
TO CHAINAGE 1+902

[illegible]