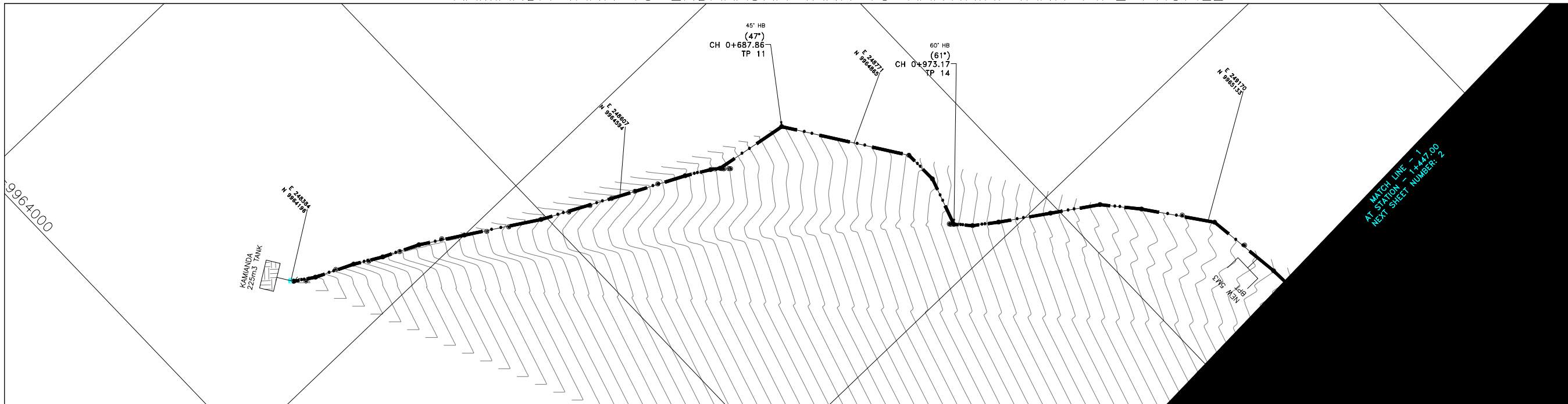


KAMIANDA TANK TO ENDARASHA TANK TO KANYIRIRI TANK PIPE PROFILE



NOTES

1. ALL LEVELS ARE IN METERS ABOVE SEA LEVEL.
2. COORDINATES ARE BASED ON UTM.
3. LOCATION OF AIR VALVES, WASHOUTS, BENDS AND OTHER FITTINGS AS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER ON SITE.
4. GROUND AND INVERT LEVEL SHOWN ARE AS SHOWN ON DRAWING UNLESS OTHERWISE INDICATED ON SITE BY THE ENGINEER.
5. PIPES ARE TO BE LAID TO EVEN GRADIENTS WITH A MINIMUM COVER OF 1.0M. WHERE COVER IS LESS THAN THIS, PIPE TO BE SURROUNDED WITH CONCRETE.
6. ALL BENDS ARE HORIZONTAL UNLESS OTHERWISE STATED.
7. IN WATER LOGGED AREAS, PIPES TO BE BEDDED WITH SINGLE SIZED OR GRADED AGGREGATES AS PER CLAUSE 430.1 AND 216 OF TECHNICAL SPECIFICATIONS AND/OR ANCHOR BLOCKS AS MAY BE DIRECTED ON SITE BY THE ENGINEER.

LEGEND:

- • • — PROPOSED PIPELINE
- - - - - EXISTING GROUND PROFILE
- PIPE INVERT PROFILE
- EXISTING ROAD
- AIR VALVE
- WASHOUT
- WO1 — WASHOUT TYPE 1
- WO2 — WASHOUT TYPE 2
- DN — NOMINAL DIAMETER
- PN — NOMINAL PRESSURE
- VB — VERTICAL BEND
- HB — HORIZONTAL BEND
- EXISTING STRUCTURE
- ER — EARTH ROAD
- GR — GRAVEL ROAD
- CUT
- EXISTING TANK
- BPT

FOR CONSTRUCTION

signed CMTS

REV	REVISIONS	SIGN	DATE	APPROVED
	BY			
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CO	ISSUED FOR CONSTRUCTION	BY		
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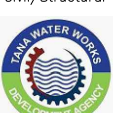
CLIENT

 TANA WATER WORKS
DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

PROJECT

DESIGN FOR ENDARASHA S.H.
WATER PROJECT

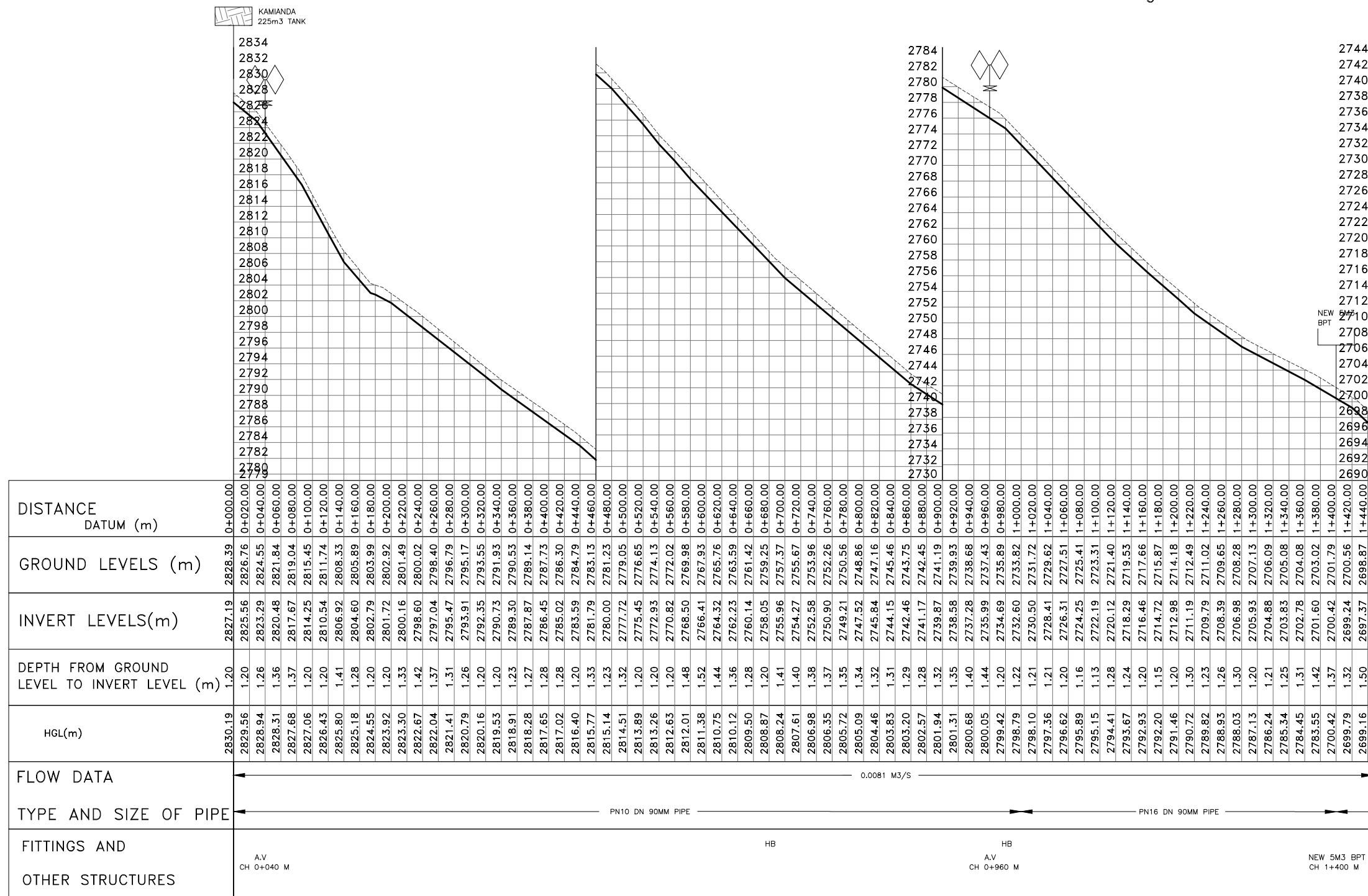
Civil/Structural Engineers

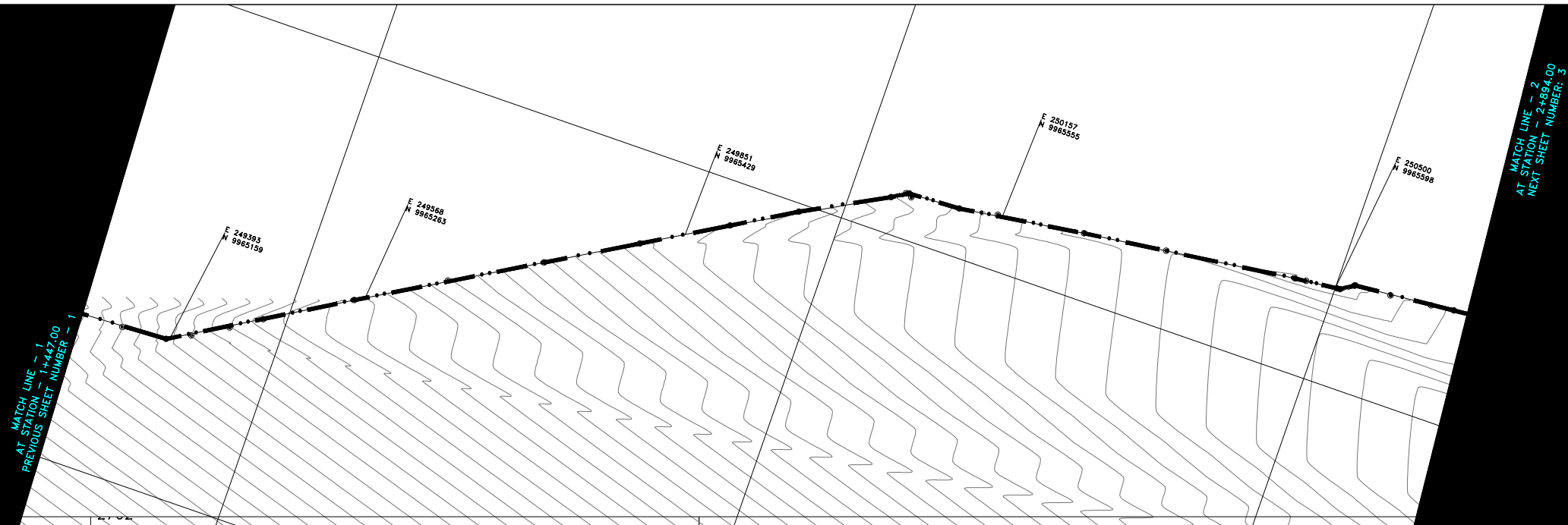
 TANA WATER WORKS
DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

Drawing Title

ENDARASHA S.H. WATER PROJECT
KAMIANDA – ENDARASHA – KANYIRIRI
PLAN AND PROFILE (SHEET 1 OF 6)

Designed by DWN	Drawn by MK
Checked by JMM	Approved by
Scale AS SHOWN (A1)	Date OCT 2022
Job No. 1	ACAD File:
PD STATUS	DRAWING No. TWWDA/ENDA/KEK_1
	CO REV





		45° HB					
							
		A.V CH 1+720 M				A.V CH 2+740 M	
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LEGEND:

- | | |
|---|---------------------------|
|  | – PROPOSED PIPELINE |
|  | – EXISTING GROUND PROFILE |
|  | – PIPE INVERT PROFILE |
|  | – EXISTING ROAD |
|  | – AIR VALVE |
|  | – WASHOUT |
|  | – WASHOUT TYPE 1 |
| WO1 | – WASHOUT TYPE 1 |
| WO2 | – WASHOUT TYPE 2 |
| DN | – NOMINAL DIAMETER |
| PN | – NOMINAL PRESSURE |
| VB | – VERTICAL BEND |
| HB | – HORIZONTAL BEND |
|  | – EXISTING STRUCTURE |
| ER | – EARTH ROAD |
| GR | – GRAVEL ROAD |
|  | – CUT |
|  | – EXISTING TANK |
|  | – BPT |

FOR CONSTRUCTION

signed CMTS

REV	REVISIONS	SIGN	DATE	APPROVED
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	BY			
	CHECKED			
C0	ISSUED FOR CONSTRUCTION	BY		
	CHECKED			

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 TANA WATER WORKS
DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

PROJECT

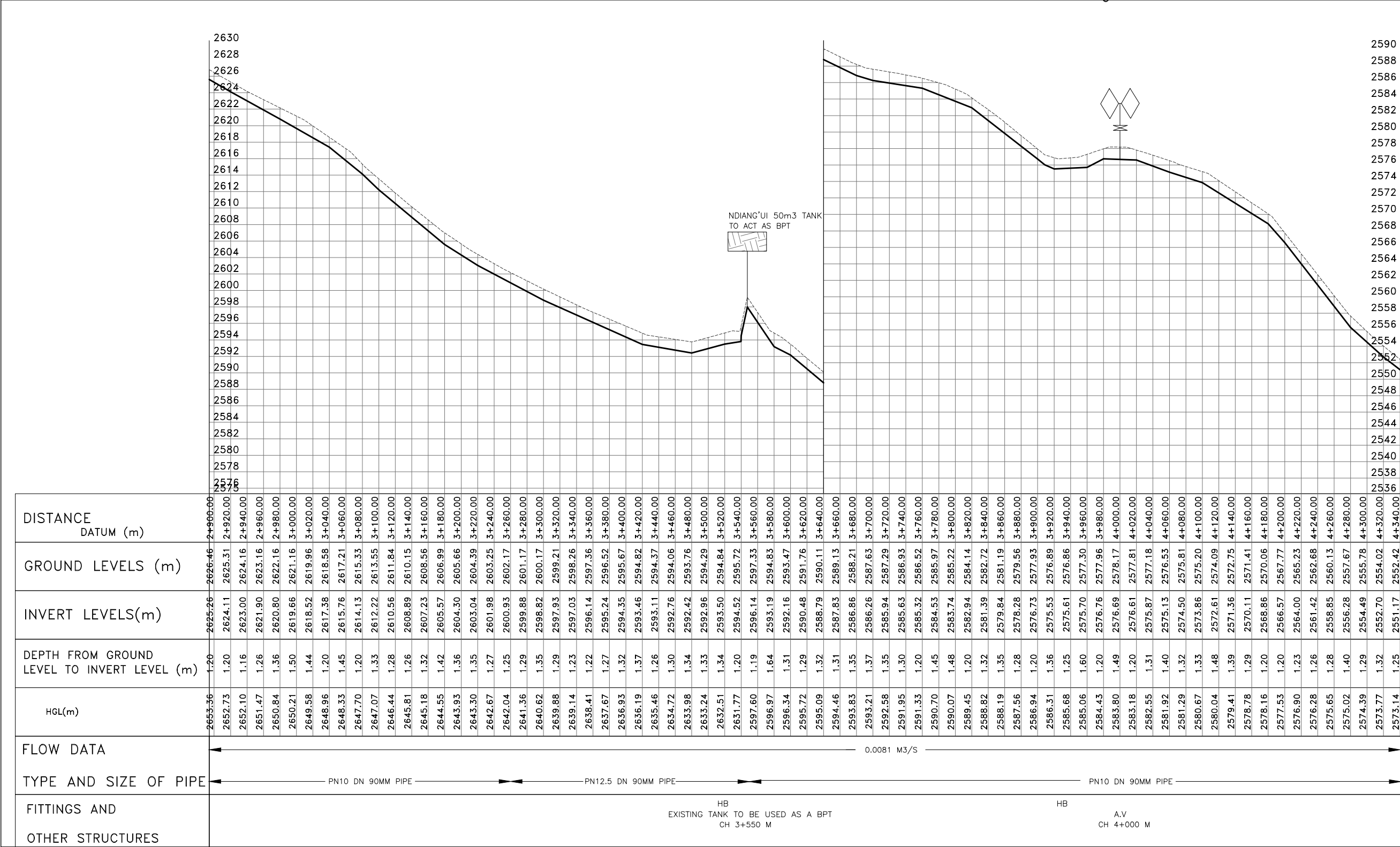
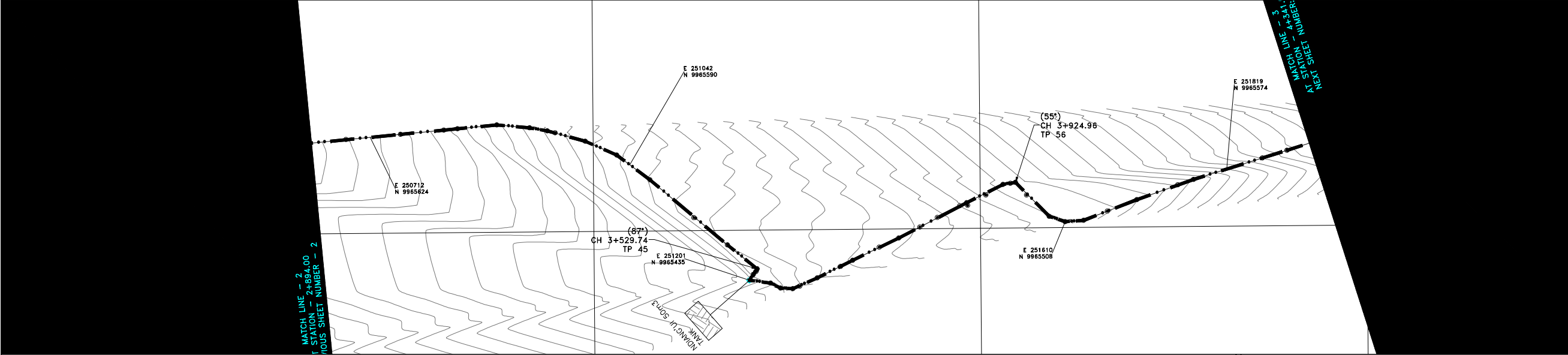
DESIGN FOR ENDARASHA S.H.
WATER PROJECT

Civil/Structural Engineers

 TANA WATER WORKS
DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

Drawing Title
ENDARASHA S.H. WATER PROJECT
KAMIANDA - ENDARASHA - KANYIRIRI
PLAN AND PROFILE (SHEET 2 OF 6)

Designed by DWN		Drawn by MK	
Checked by JMM		Approved by	
Scale AS SHOWN (A1)		Date OCT 2022	
Job No. 1		ACAD File:	
PD STATUS	DRAWING No. TWWDA/ENDA/KEK_2		CO REV



- NOTES
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LEGEND:

- • • — PROPOSED PIPELINE
- - - - - EXISTING GROUND PROFILE
- — — PIPE INVERT PROFILE
- — — EXISTING ROAD
- ♦ ♦ — AIR VALVE
- — — WASHOUT
- WO1 — WASHOUT TYPE 1
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- EXISTING STRUCTURE
- ER — EARTH ROAD
- GR — GRAVEL ROAD
- CUT
- EXISTING TANK
- BPT

FOR CONSTRUCTION

signed CMTS

REV	REVISIONS	SIGN	DATE	APPROVED
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CO	ISSUED FOR CONSTRUCTION	BY		
		CHECKED		

CLIENT

 TANA WATER WORKS
DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

PROJECT

DESIGN FOR ENDARASHA S.H.
WATER PROJECT

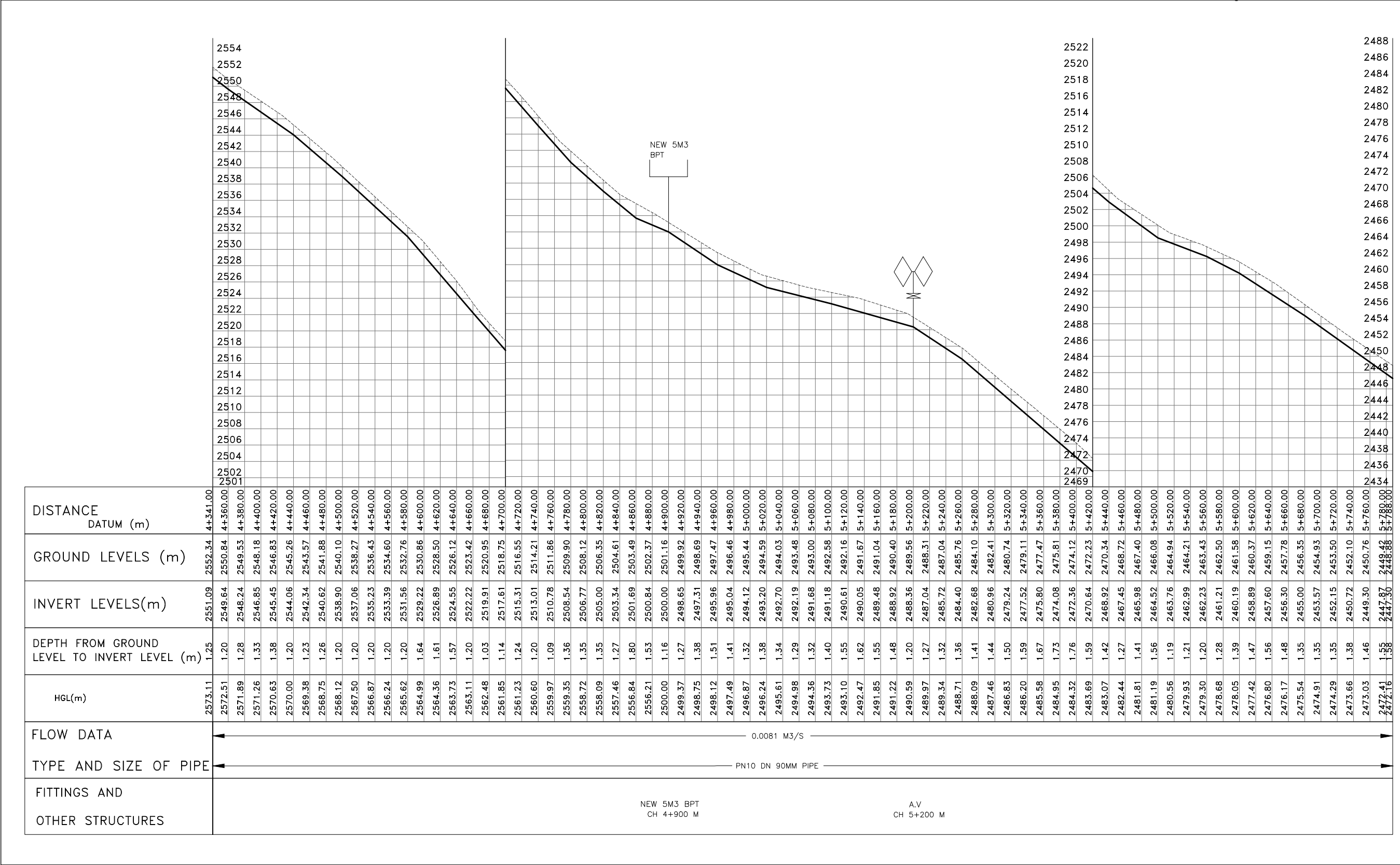
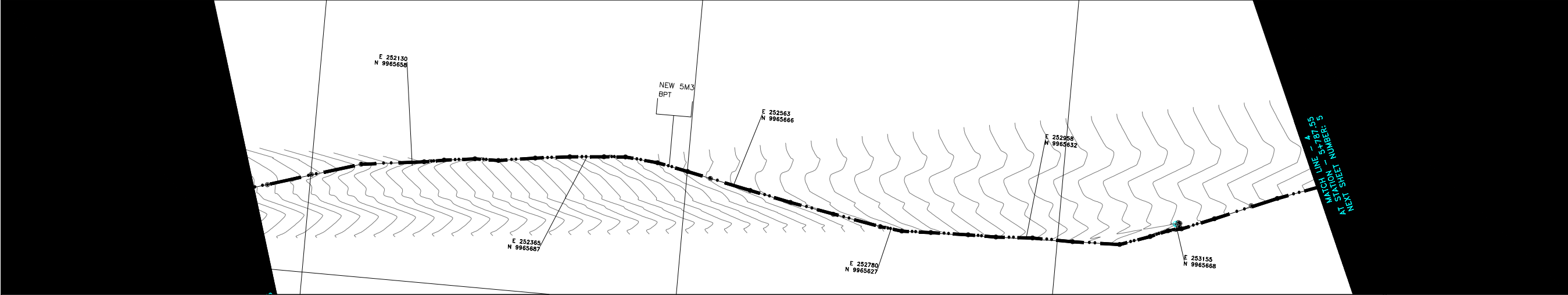
Civil/Structural Engineers

 TANA WATER WORKS
DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

Drawing Title

ENDARASHA S.H. WATER PROJECT
KAMIANDA – ENDARASHA – KANYIRIRI
PLAN AND PROFILE (SHEET 3 OF 6)

Designed by DWN	Drawn by MK
Checked by JMM	Approved by
Scale AS SHOWN (A1)	Date OCT 2022
Job No. 1	ACAD File:
PD STATUS	DRAWING No. TWWDA/ENDA/KEK_3
	CO REV



NOTES

- ALL LEVELS ARE IN METERS ABOVE SEA LEVEL.
- COORDINATES ARE BASED ON UTM.
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LEGEND:

- PROPOSED PIPELINE
- EXISTING GROUND PROFILE
- PIPE INVERT PROFILE
- EXISTING ROAD
- ♦ — AIR VALVE
- ↓ — WASHOUT
- WO1 — WASHOUT TYPE 1
- WO2 — WASHOUT TYPE 2
- DN — NOMINAL DIAMETER
- PN — NOMINAL PRESSURE
- VB — VERTICAL BEND
- HB — HORIZONTAL BEND
- ▨ — EXISTING STRUCTURE
- ER — EARTH ROAD
- GR — GRAVEL ROAD
- ▨ — EXISTING TANK
- BPT

FOR CONSTRUCTION
signed CMTS

REV	REVISIONS	SIGN	DATE	APPROVED
	BY			
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	CHECKED			

ISSUED FOR CONSTRUCTION
BY

CO	BY	DATE	APPROVED
	CHECKED		

CLIENT

TANA WATER WORKS DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

PROJECT

DESIGN FOR ENDARASHA S.H. WATER PROJECT

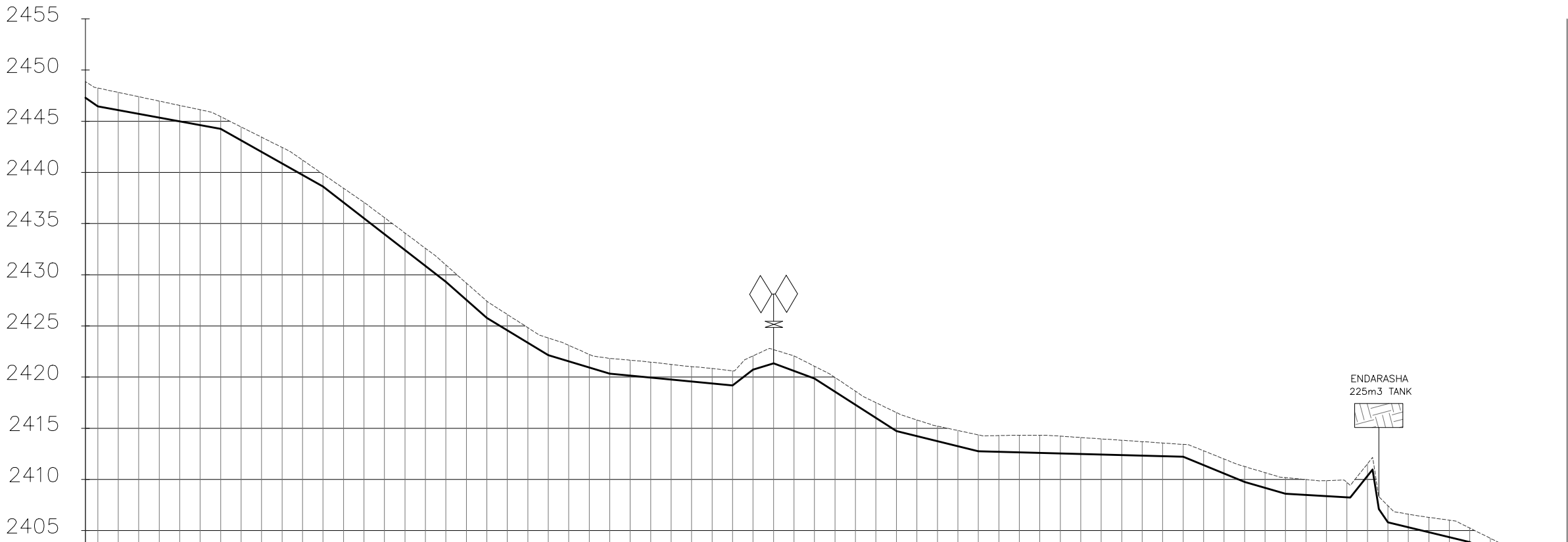
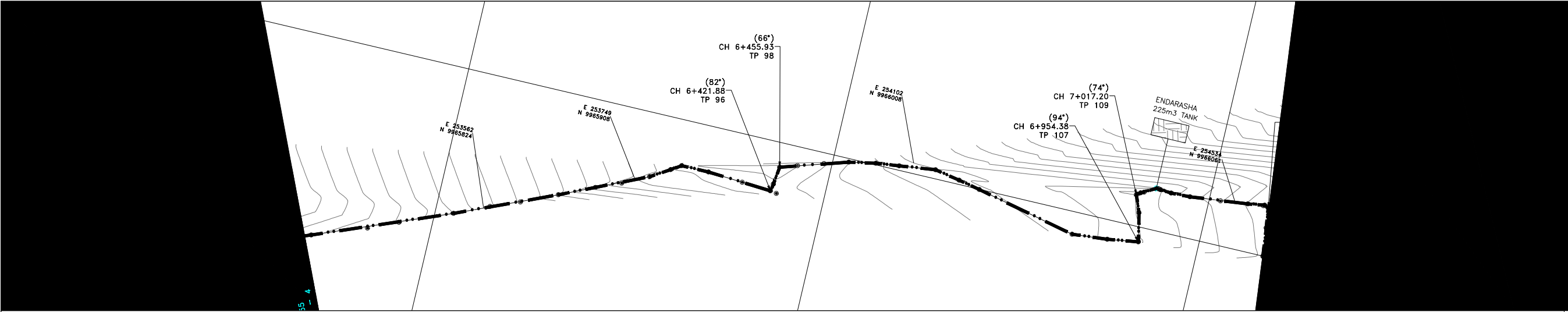
Civil/Structural Engineers

TANA WATER WORKS DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

Drawing Title

ENDARASHA S.H. WATER PROJECT
KAMIANDA – ENDARASHA – KANYIRIRI
PLAN AND PROFILE (SHEET 4 OF 6)

Designed by DWN	Drawn by MK
Checked by JMM	Approved by
Scale AS SHOWN (A1)	Date OCT 2022
Job No. 1	ACAD File:
PD STATUS	DRAWING No. TWWDA/ENDA/KEK_4
	CO REV



DISTANCE DATUM (m)	5+800.00	2448.24	2446.44	1.80	2471.78		
	5+820.00	2447.82	2446.08	1.74	2471.15		
	5+840.00	2447.40	2445.71	1.68	2470.53		
	5+860.00	2446.97	2445.35	1.62	2469.90		
	5+880.00	2446.55	2444.98	1.57	2469.27		
	5+900.00	2446.12	2444.61	1.51	2468.64		
	5+920.00	2445.45	2444.25	1.20	2468.02		
	5+940.00	2444.45	2443.13	1.32	2467.39		
	5+960.00	2443.44	2442.00	1.44	2466.76		
	5+980.00	2442.44	2440.88	1.56	2466.14		
	6+000.00	2441.21	2439.76	1.46	2465.51		
	6+020.00	2439.83	2438.63	1.20	2464.88		
	6+040.00	2438.45	2437.08	1.37	2464.25		
	6+060.00	2437.08	2435.53	1.55	2463.63		
	6+080.00	2435.58	2433.97	1.61	2463.00		
	6+100.00	2434.08	2432.42	1.66	2462.37		
	6+120.00	2432.58	2430.87	1.72	2461.75		
	6+140.00	2430.95	2429.31	1.64	2461.12		
	6+160.00	2429.19	2427.55	1.63	2460.49		
	6+180.00	2427.42	2425.79	1.63	2459.86		
	6+200.00	2426.12	2424.58	1.54	2459.24		
	6+220.00	2424.83	2423.37	1.47	2458.61		
	6+240.00	2423.83	2422.16	1.67	2457.98		
	6+260.00	2423.10	2421.55	1.55	2457.36		
	6+280.00	2422.22	2420.94	1.28	2456.73		
	6+300.00	2421.83	2420.34	1.49	2456.10		
	6+320.00	2421.65	2420.15	1.51	2455.48		
	6+340.00	2421.46	2419.95	1.51	2454.85		
	6+360.00	2421.24	2419.76	1.48	2454.22		
	6+380.00	2421.01	2419.57	1.44	2453.59		
	6+400.00	2420.84	2419.38	1.46	2452.97		
	6+420.00	2420.62	2419.19	1.43	2452.34		
	6+440.00	2422.07	2420.73	1.35	2451.71		
	6+460.00	2422.68	2421.34	1.34	2451.09		
	6+480.00	2422.07	2420.60	1.47	2450.46		
	6+500.00	2421.06	2419.86	1.20	2449.83		
	6+520.00	2419.96	2418.58	1.38	2449.20		
	6+540.00	2418.62	2417.30	1.33	2448.58		
	6+560.00	2417.50	2416.02	1.49	2447.95		
	6+580.00	2416.53	2414.73	1.80	2447.32		
	6+600.00	2415.81	2414.24	1.58	2446.70		
	6+620.00	2415.21	2413.74	1.47	2446.07		
	6+640.00	2414.78	2413.25	1.54	2445.44		
	6+660.00	2414.36	2412.75	1.60	2444.81		
	6+680.00	2414.29	2412.70	1.59	2444.19		
	6+700.00	2414.32	2412.65	1.67	2443.56		
	6+720.00	2414.31	2412.60	1.72	2442.93		
	6+740.00	2414.23	2412.54	1.69	2442.31		
	6+760.00	2414.10	2412.49	1.61	2441.68		
	6+780.00	2413.96	2412.44	1.53	2441.05		
	6+800.00	2413.83	2412.38	1.44	2440.42		
	6+820.00	2413.69	2412.33	1.36	2439.80		
	6+840.00	2413.56	2412.28	1.28	2439.17		
	6+860.00	2413.43	2412.23	1.20	2438.54		
	6+880.00	2412.80	2411.40	1.40	2437.92		
	6+900.00	2411.99	2410.57	1.42	2437.29		
	6+920.00	2411.26	2409.75	1.52	2436.66		
	6+940.00	2410.67	2409.18	1.49	2436.04		
	6+960.00	2410.18	2408.61	1.57	2435.41		
	6+980.00	2409.99	2408.49	1.50	2434.78		
	7+000.00	2409.89	2408.37	1.52	2434.15		
	7+020.00	2409.70	2408.24	1.46	2433.53		
	7+040.00	2411.53	2410.33	1.20	2432.90		
	7+060.00	2407.42	2405.80	1.62	2409.91		
	7+080.00	2406.61	2405.32	1.29	2409.45		
	7+100.00	2406.30	2404.84	1.46	2408.99		
	7+120.00	2406.02	2404.35	1.67	2408.54		
	7+140.00	2405.25	2403.87	1.38	2408.08		
	7+160.00	2404.25	2402.84	1.42	2407.63		
	7+180.00	2403.12	2401.81	1.32	2407.17		
	7+200.00	2402.57	2400.77	1.80	2406.71		
	7+220.00	2403.23	2401.87	1.36	2406.26		
	7+235.00	2403.47	2401.98	1.49	2405.92		
FLOW DATA	0.0081 M3/S						
TYPE AND SIZE OF PIPE	PN10 DN 90MM PIPE						
FITTINGS AND OTHER STRUCTURES	HB HB A.V CH 6+460 M HB HB HB						

NOTES

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- IN WATER LOGGED AREAS, PIPES TO BE BEDDED WITH SINGLE SIZED OR GRADED AGGREGATES AS PER CLAUSE 430.1 AND 216 OF TECHNICAL SPECIFICATIONS AND/OR ANCHOR BLOCKS AS MAY BE DIRECTED ON SITE BY THE ENGINEER.

LEGEND:

- PROPOSED PIPELINE
- EXISTING GROUND PROFILE
- PIPE INVERT PROFILE
- EXISTING ROAD
- AIR VALVE
- WASHOUT
- WO1 — WASHOUT TYPE 1
- WO2 — WASHOUT TYPE 2
- DN — NOMINAL DIAMETER
- PN — NOMINAL PRESSURE
- VB — VERTICAL BEND
- HB — HORIZONTAL BEND
- EXISTING STRUCTURE
- ER — EARTH ROAD
- GR — GRAVEL ROAD
- CUT
- EXISTING TANK
- BPT

FOR CONSTRUCTION

signed CMTS

REV	REVISIONS	SIGN	DATE	APPROVED
	BY			
	CHECKED			
	BY			
	CHECKED			
	BY			
	CHECKED			
CO	ISSUED FOR CONSTRUCTION	BY		
		CHECKED		

CLIENT

 TANA WATER WORKS
DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

PROJECT

DESIGN FOR ENDARASHA S.H.
WATER PROJECT

Civil/Structural Engineers

 TANA WATER WORKS
DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

Drawing Title

ENDARASHA S.H. WATER PROJECT
KAMIANDA – ENDARASHA – KANYIRIRI
PLAN AND PROFILE (SHEET 5 OF 6)

Designed by DWN		Drawn by MK	
Checked by JMM		Approved by	
Scale AS SHOWN (A1)		Date OCT 2022	
Job No.	1	ACAD File:	
PD STATUS	DRAWING No.	TWWDA/ENDA/KEK_5	CO REV

NOTES

- ALL LEVELS ARE IN METERS ABOVE SEA LEVEL.
- COORDINATES ARE BASED ON UTM.
- LOCATION OF AIR VALVES, WASHOUTS, BENDS AND OTHER FITTINGS AS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER ON SITE.
- GROUND AND INVERT LEVEL SHOWN ARE AS SHOWN ON DRAWING UNLESS OTHERWISE INDICATED ON SITE BY THE ENGINEER.
- PIPES ARE TO BE LAID TO EVEN GRADIENTS WITH A MINIMUM COVER OF 1.0M. WHERE COVER IS LESS THAN THIS, PIPE TO BE SURROUNDED WITH CONCRETE.
- ALL BENDS ARE HORIZONTAL UNLESS OTHERWISE STATED.
- IN WATER LOGGED AREAS, PIPES TO BE BEDDED WITH SINGLE SIZED OR GRADED AGGREGATES AS PER CLAUSE 430.1 AND 216 OF TECHNICAL SPECIFICATIONS AND/OR ANCHOR BLOCKS AS MAY BE DIRECTED ON SITE BY THE ENGINEER.

LEGEND:

- | | |
|---|---------------------------|
|  | - PROPOSED PIPELINE |
|  | - EXISTING GROUND PROFILE |
|  | - PIPE INVERT PROFILE |
|  | - EXISTING ROAD |
|  | - AIR VALVE |
|  | - WASHOUT |
| WO1 | - WASHOUT TYPE 1 |
| WO2 | - WASHOUT TYPE 2 |
| DN | - NOMINAL DIAMETER |
| PN | - NOMINAL PRESSURE |
| VB | - VERTICAL BEND |
| HB | - HORIZONTAL BEND |
|  | - EXISTING STRUCTURE |
| ER | - EARTH ROAD |
| GR | - GRAVEL ROAD |
|  | - CUT |
|  | - EXISTING TANK |
|  | - BPT |

FOR CONSTRUCTION

signed CMTS

REV	R E V I S I O N S		SIGN	DATE	APPROVED
		BY			
		CHECKED			
		BY			
		CHECKED			
		BY			
		CHECKED			
C0	ISSUED FOR CONSTRUCTION	BY			
		CHECKED			

CLIENT



TANA WATER WORKS
DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

PROJECT

DESIGN FOR ENDARASHA S.H.
WATER PROJECT

Civil/Structural Engineers



TANA WATER WORKS
DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

Drawing Title

KAMIANDA – ENDARASHA – KANYIRIRI
PLAN AND PROFILE (SHEET 6 OF 6)

Designed by DWN	Drawn by MK
Checked by JMM	Approved by
Scale AS SHOWN (A1)	Date OCT 2022
Job No. 1	ACAD File:

PD STATUS	DRAWING No. TWWDA/ENDA/KEK_6	CO REV
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DISTANCE DATUM (m)	7+240.00 7+260.00 7+280.00 7+300.00 7+320.00 7+340.00 7+360.00 7+380.00 7+400.00 7+420.00 7+440.00 7+460.00 7+480.00 7+500.00 7+520.00 7+540.00 7+560.00 7+580.00 7+600.00 7+620.00 7+640.00 7+660.00 7+680.00 7+700.00 7+720.00 7+740.00 7+760.00 7+780.00 7+800.00 7+820.00 7+840.00 7+860.00 7+880.00 7+900.00 7+920.00 7+940.00 7+960.00 7+980.00 8+000.00 8+020.00 8+040.00 8+060.00 8+080.00 8+100.00 8+120.00 8+140.00 8+160.00 8+180.00 8+200.00 8+220.00 8+240.00 8+260.00 8+280.00 8+300.00 8+320.00 8+340.00 8+360.00 8+380.00 8+400.00 8+420.00 8+440.00 8+460.00 8+480.00 8+500.00 8+520.00 8+540.00 8+560.00 8+580.00 8+599.21
GROUND LEVELS (m)	2403.51 2403.68 2402.60 2401.23 2399.81 2398.72 2397.43 2396.48 2395.77 2394.97 2393.97 2393.21 2392.07 2391.04 2390.22 2389.34 2388.71 2388.17 2387.46 2386.64 2385.95 2385.23 2383.84 2382.45 2381.23 2380.01 2378.37 2376.83 2374.90 2373.18 2371.48 2369.42 2367.22 2365.11 2363.55 2361.91 2360.32 2361.99 2360.34 2358.64 2357.13 2356.95 2355.35 2354.87 2352.68 2350.49 2348.49 2346.49 2344.43 2342.19 2339.96 2337.77 2335.60 2333.38 2331.37 2329.70 2328.65 2328.13 2326.47 2324.91 2323.77 2323.13 2321.55 2320.00 2318.42 2316.84 2315.26 2313.68 2312.10 2310.52 2308.94 2307.36 2305.78 2304.20 2302.62 2301.04 2299.46 2297.88 2296.30 2294.72 2293.14 2291.56 2289.98 2288.40 2286.82 2285.24 2283.66 2282.08 2280.50 2278.92 2277.34 2275.76 2274.18 2272.60 2271.02 2269.44 2267.86 2266.28 2264.70 2263.12 2261.54 2259.96 2258.38 2256.80 2255.22 2253.64 2252.06 2250.48 2248.90 2247.32 2245.74 2244.16 2242.58 2241.00 2239.42 2237.84 2236.26 2234.68 2233.10 2231.52 2229.94 2228.36 2226.78 2225.20 2223.62 2222.04 2220.46 2218.88 2217.30 2215.72 2214.14 2212.56 2210.98 2209.40 2207.82 2206.24 2204.66 2203.08 2201.50 2199.92 2198.34 2196.76 2195.18 2193.60 2192.02 2190.44 2188.86 2187.28 2185.70 2184.12 2182.54 2180.96 2179.38 2177.80 2176.22 2174.64 2173.06 2171.48 2169.90 2168.32 2166.74 2165.16 2163.58 2162.00 2160.42 2158.84 2157.26 2155.68 2154.10 2152.52 2150.94 2149.36 2147.78 2146.20 2144.62 2143.04 2141.46 2139.88 2138.30 2136.72 2135.14 2133.56 2131.98 2130.40 2128.82 2127.24 2125.66 2124.08 2122.50 2120.92 2119.34 2117.76 2116.18 2114.60 2113.02 2111.44 2109.86 2108.28 2106.70 2105.12 2103.54 2101.96 2100.38 2098.80 2097.22 2095.64 2094.06 2092.48 2090.90 2089.32 2087.74 2086.16 2084.58 2083.00 2081.42 2079.84 2078.26 2076.68 2075.10 2073.52 2071.94 2070.36 2068.78 2067.20 2065.62 2064.04 2062.46 2060.88 2059.30 2057.72 2056.14 2054.56 2052.98 2051.40 2049.82 2048.24 2046.66 2045.08 2043.50 2041.92 2040.34 2038.76 2037.18 2035.60 2034.02 2032.44 2030.86 2029.28 2027.70 2026.12 2024.54 2022.96 2021.38 2019.80 2018.22 2016.64 2015.06 2013.48 2011.90 2010.32 2008.74 2007.16 2005.58 2004.00 2002.42 2000.84 1999.26 1997.68 1996.10 1994.52 1992.94 1991.36 1989.78 1988.20 1986.62 1985.04 1983.46 1981.88 1980.30 1978.72 1977.14 1975.56 1973.98 1972.40 1970.82 1969.24 1967.66 1966.08 1964.50 1962.92 1961.34 1959.76 1958.18 1956.60 1955.02 1953.44 1951.86 1950.28 1948.70 1947.12 1945.54 1943.96 1942.38 1940.80 1939.22 1937.64 1936.06 1934.48 1932.90 1931.32 1929.74 1928.16 1926.58 1925.00 1923.42 1921.84 1920.26 1918.68 1917.10 1915.52 1913.94 1912.36 1910.78 1909.20 1907.62 1906.04 1904.46 1902.88 1901.30 1899.72 1898.14 1896.56 1894.98 1893.40 1891.82 1890.24 1888.66 1887.08 1885.50 1883.92 1882.34 1880.76 1879.18 1877.60 1876.02 1874.44 1872.86 1871.28 1869.70 1868.12 1866.54 1864.96 1863.38 1861.80 1860.22 1858.64 1857.06 1855.48 1853.90 1852.32 1850.74 1849.16 1847.58 1846.00 1844.42 1842.84 1841.26 1839.68 1838.10 1836.52 1834.94 1833.36 1831.78 1830.20 1828.62 1827.04 1825.46 1823.88 1822.30 1820.72 1819.14 1817.56 1815.98 1814.40 1812.82 1811.24 1809.66 1808.08 1806.50 1804.92 1803.34 1801.76 1800.18 1798.60 1797.02 1795.44 1793.86 1792.28 1790.70 1789.12 1787.54 1785.96 1784.38 1782.80 1781.22 1779.64 1778.06 1776.48 1774.90 1773.32 1771.74 1770.16 1768.58 1767.00 1765.42 1763.84 1762.26 1760.68 1759.10 1757.52 1755.94 1754.36 1752.78 1751.20 1749.62 1748.04 1746.46 1744.88 1743.30 1741.72 1740.14 1738.56 1736.98 1735.40 1733.82 1732.24 1730.66 1729.08 1727.50 1725.92 1724.34 1722.76 1721.18 1719.60 1718.02 1716.44 1714.86 1713.28 1711.70 1710.12 1708.54 1706.96 1705.38 1703.80 1702.22 1700.64 1699.06 1697.48 1695.90 1694.32 1692.74 1691.16 1689.58 1688.00 1686.42 1684.84 1683.26 1681.68 1680.10 1678.52 1676.94 1675.36 1673.78 1672.20 1670.62 1669.04 1667.46 1665.88 1664.30 1662.72 1661.14 1659.56 1657.98 1656.40 1654.82 1653.24 1651.66 1650.08 1648.50 1646.92 1645.34 1643.76 1642.18 1640.60 1639.02 1637.44 1635.86 1634.28 1632.70 1631.12 1629.54 1627.96 1626.38 1624.80 1623.22 1621.64 1620.06 1618.48 1616.90 1615.32 1613.74 1612.16 1610.58 1609.00 1607.42 1605.84 1604.26 1602.68 1601.10 1599.52 1597.94 1596.36 1594.78 1593.20 1591.62 1590.04 1588.46 1586.88 1585.30 1583.72 1582.14 1580.56 1578.98 1577.40 1575.82 1574.24 1572.66 1571.08 1569.50 1567.92 1566.34 1564.76 1563.18 1561.60 1560.02 1558.44 1556.86 1555.28 1553.70 1552.12 1550.54 1548.96 1547.38 1545.80 1544.22 1542.64 1541.06 1539.48 1537.90 1536.32 1534.74 1533.16 1531.58 1530.00 1528.42 1526.84 1525.26 1523.68 1522.10 1520.52 1518.94 1517.36 1515.78 1514.20 1512.62 1511.04 1509.46 1507.88 1506.30 1504.72 1503.14 1501.56 1500.00
INVERT LEVELS(m)	2402.02 2402.17 2400.91 2399.64 2398.38 2397.24 2396.10 2395.11 2394.12 2393.31 2392.50 2391.68 2390.87 2389.53 2388.81 2388.09 2387.37 2386.65 2385.93 2385.21 2384.49 2383.30 2382.12 2380.93 2379.74 2378.56 2376.85 2374.90 2373.42 2371.71 2370.00 2367.84 2365.67 2363.51 2361.91 2360.32 2361.99 2360.34 2358.64 2357.13 2356.95 2355.35 2354.87 2352.68 2350.49 2348.49 2346.49 2344.43 2342.19 2339.96 2337.77 2335.60 2333.38 2331.37 2329.70 2328.65 2328.13 2326.47 2324.91 2323.77 2323.13 2321.55 2320.00 2318.42 2316.84 2315.26 2313.68 2312.10 2310.52 2308.94 2307.36 2305.78 2304.20 2302.62 2301.04 2299.46 2297.88 2296.30 2294.72 2293.14 2291.56 2289.98 2288.40 2286.82 2285.24 2283.66 2282.08 2280.50 2278.92 2277.34 2275.76 2274.18 2272.60 2271.02 2269.44 2267.86 2266.28 2264.70 2263.12 2261.54 2259.96 2258.38 2256.80 2255.22 2253.64 2252.06 2250.48 2248.90 2247.32 2245.74 2244.16 2242.58 2241.00 2239.42 2237.84 2236.26 2234.68 2233.10 2231.52 2229.94 2228.36 2226.78 2225.20 2223.62 2222.04 2220.46 2218.88 2217.30 2215.72 2214.14 2212.56 2210.98 2209.40 2207.82 2206.24 2204.66 2203.08 2201.50 2199.92 2198.34 2196.76 2195.18 2193.60 2192.02 2190.44 2188.86 2187.28 2185.70 2184.12 2182.54 2180.96 2179.38 2177.80 2176.22 2174.64 2173.06 2171.48 2169.90 2168.32 2166.74 2165.16 2163.58 2162.00 2160.42 2158.84 2157.26 2155.68 2154.10 2152.52 2150.94 2149.36 2147.78 2146.20 2144.62 2143.04 2141.46 2139.88 2138.30 2136.72 2135.14 2133.56 2131.98 2130.40 2128.82 2127.24 2125.66 2124.08 2122.50 2120.92 2119.34 2117.76 2116.18 2114.60 2113.02 2111.44 2109.86 2108.28 2106.70 2105.12 2103.54 2101.96 2100.38 2098.80 2097.22 2095.64 2094.06 2092.48 2090.90 2089.32 2087.74 2086.16 2084.58 2083.00 2081.42 2079.84 2078.26 2076.68 2075.10 2073.52 2071.94 2070.36 2068.78 2067.20 2065.62 2064.04 2062.46 2060.88 2059.30 2057.72 2056.14 2054.56 2052.98 2051.40 2049.82 2048.24 2046.66 2045.08 2043.50 2041.92 2040.34 2038.76 2037.18 2035.60 2034.02 2032.44 2030.86 2029.28 2027.70 2026.12 2024.54 2022.96 2021.38 2019.80 2018.22 2016.64 2015.06 2013.48 2011.90 2010.32 2008.74 2007.16 2005.58 2004.00 2002.42 2000.84 1999.26 1997.68 1996.10 1994.52 1992.94 1991.36 1989.78 1988.20 1986.62 1985.04 1983.46 1981.88 1980.30 1978.72 1977.14 1975.56 1973.98 1972.40 1970.82 1969.24 1967.66 1966.08 1964.50 1962.92 1961.34 1959.76 1958.18 1956.60 1955.02 1953.44 1951.86 1950.28 1948.70 1947.12 1945.54 1943.96 1942.38 1940.80 1939.22 1937.64 1936.06 1934.48 1932.90 1931.32 1929.74 1928.16 1926.58 1925.00 1923.42 1921.84 1920.26 1918.68 1917.10 1915.52 1913.94 1912.36 1910.78 1909.20 1907.62 1906.04 1904.46 1902.88 1901.30 1899.72 1898.14 1896.56 1894.98 1893.40 1891.82 1890.24 1888.66 1887.08 1885.50 1883.92 1882.34 1880.76 1879.18 1877.60 1876.02 1874.44 1872.86 1871.28 1869.70 1868.12 1866.54 1864.96 1863.38 1861.80 1860.22 1858.64 1857.06 1855.48 1853.90 1852.32 1850.74 1849.16 1847.58 1846.00 1844.42 1842.84 1841.26 1839.68 1838.10 1836.52 1834.94 1833.36 1831.78 1830.20 1828.62 1827.04 1825.46 1823.88 1822.30 1820.72 1819.14 1817.56 1815.98 1814.40 1812.82 1811.24 1809.66 1808.08 1806.50 1804.92 1803.34 1801.76 1800.18 1798.60 1797.02 1795.44 1793.86 1792.28 1790.70 1789.12 1787.54 1785.96 1784.38 1782.80 1781.22 1779.64 1778.06 1776.48 1774.90 1773.32 1771.74 1770.16 1768.58 1767.00 1765.42 1763.84 1762.26 1760.68 1759.10 1757.52 1755.94 1754.36 1752.78 1751.20 1749.62 1748.04 1746.46 1744.88 1743.30 1741.72 1740.14 1738.56 1736.98 1735.40 1733.82 1732.24 1730.66 1729.08 1727.50 1725.92 1724.34 1722.76 1721.18 1719.60 1718.02 1716.44 1714.86 1713.28 1711.70 1710.12 1708.54 1706.96 1705.38 1703.80 1702.22 1700.64 1699.06 1697.48 1695.90 1694.32 1692.74 1691.16 1689.58 1688.00 1686.42 1684.84 1683.26 1681.68 1680.10 1678.52 1676.94 1675.36 1673.78 1672.20 1670.62 1669.04 1667.46 1665.88 1664.30 1662.72 1661.14 1659.56 1657.98 1656.40 1654.82 1653.24 1651.66 1650.08 1648.50 1646.92 1645.34 1643.76 1642.18 1640.60 1639.02 1637.44 1635.86 1634.28 1632.70 1631.12 1629.54 1627.96 1626.38 1624.80 1623.22 1621.64 1620.06 1618.48 1616.90 1615.32 1613.74 1612.16 1610.58 1609.00 1607.42 1605.84 1604.26 1602.68 1601.10 1599.52 1597.94 1596.36 1594.78 1593.20 1591.62 1590.04 1588.46 1586.88 1585.30 1583.72 1582.14 1580.56 1578.98 1577.40 1575.82 1574.24 1572.66 1571.08 1569.50 1567.92 1566.34 1564.76 1563.18 1561.60 1560.02 1558.44 1556.86 1555.28 1553.70 1552.12 1550.54 1548.96 1547.38 1545.80 1544.22 1542.64 1541.06 1539.48 1537.90 1536.32 1534.74 1533.16 1531.58 1530.00 1528.42 1526.84 1525.26 1523.68 1522.10 1520.52 1518.94 1517.36 1515.78 1514.20 1512.62 1511.04 1509.46 1507.88 1506.30 1504.72 1503.14 1501.56 1500.00
DEPTH FROM GROUND LEVEL TO INVERT LEVEL (m)	1.49 1.51 1.70 1.59 1.44 1.48 1.33 1.37 1.65 1.66 1.47 1.53 1.20 1.51 1.41 1.25 1.34 1.53 1.53 1.43 1.46 1.93 1.73 1.52 1.49 1.45 1.52 1.50 1.47 1.48 1.58 1.55 1.60 1.64 1.67 1.61 1.51 1.60 1.26 1.21 1.35 1.49 1.61 1.56 1.51 1.51 1.49 1.42 1.56 1.37 1.80 1.66 1.52 1.20 1.30 1.42 1.51 1.49 1.35 1.56 1.49 1.35 1.26 1.21 1.35 1.49 1.51 1.35 1.42 1.36 1.49 1.37 1.80 1.66 1.52 1.20 1.30 1.42 1.51 1.49 1.35 1.56 1.49 1.35 1.26 1.21 1.35 1.49 1.51 1.35 1.42 1.36 1.49 1.37 1.80 1.66 1.52 1.20 1.30 1.42 1.51 1.49 1.35 1.56 1.49 1.35 1.26 1.21 1.35 1.49 1.51 1.35 1.42 1.36 1.49 1.37 1.80 1.66 1.52 1.20 1.30 1.42 1.51 1.49 1.35 1.56 1.49 1.35 1.26 1.21 1.35 1.49 1.51 1.35 1.42 1.36 1.49 1.37 1.80 1.66 1.52 1.20 1.30 1.42 1.51 1.49 1.35 1.56 1.49 1.35 1.26 1.21 1.35 1.49 1.51 1.35 1.42 1.36 1.49 1.37 1.80 1.66 1.52 1.20 1.30 1.42 1.51 1.49 1.35 1.56 1.49 1.35 1.26 1.21 1.35 1.49 1.51 1.35 1.42 1.36 1.49 1.37 1.80 1.66 1.52 1.20 1.30 1.42 1.5