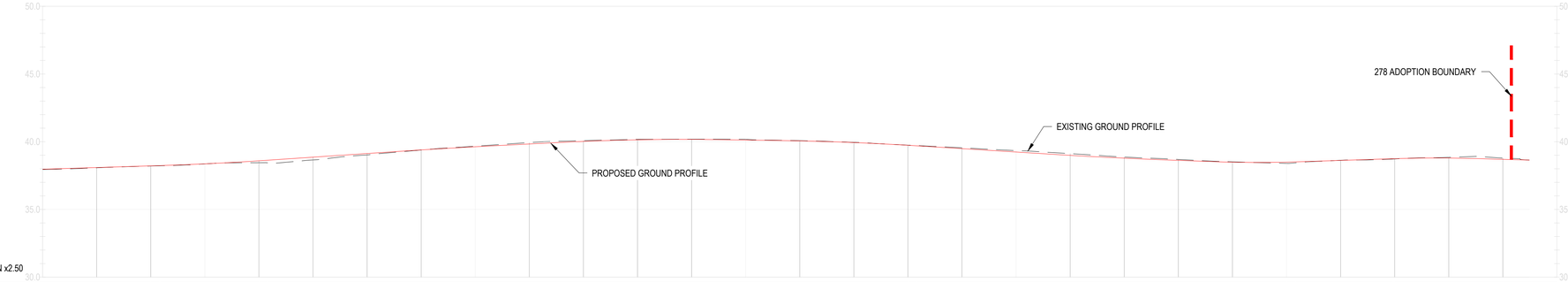

VERTICAL EXAGGERATION x2.50

CHAINAGE	520.000	530.000	540.000	541.686	550.000	560.000	561.686	570.000	580.000	584.328	590.000	600.000	604.015	610.000	615.242	620.000	630.000	640.000	645.242	650.000	656.185	660.000	670.000	680.000	681.585	690.000	700.000	707.621	710.000	720.000	727.621	730.000	736.742	740.000	750.000	751.744	760.000	769.748	770.000	780.000	784.748	790.000	794.900	800.000
EXISTING SURFACE LEVEL	37.948	38.075	38.206		38.361	38.451		38.651	39.018		39.386	39.671		39.935		40.079	40.173	40.185		40.181		40.078	39.953	39.749		39.550	39.342	39.121		38.867	38.690		38.515	38.402		38.632	38.728		38.847		38.787			
DESIGN SURFACE LEVEL	37.970	38.094	38.218	38.239	38.367	38.589	38.633	38.858	39.129	39.246	39.394	39.627	39.711	39.832	39.937	40.023	40.141	40.171	40.153	40.125	40.089	40.061	39.937	39.738	39.699	39.490	39.241	39.051	38.994	38.783	38.658	38.623	38.525	38.488	38.493	38.513	38.619	38.744	38.747	38.792	38.757	38.699		
VERTICAL ALIGNMENT		L=21.85m G=1:81		R=1365.88m K=13.7 L=20.00m		L=22.64m G=1:37		R=2855.04m K=28.6 L=19.69m		L=11.23m G=1:50		R=1154.78m K=11.5 L=30.00m		L=10.94m G=-1:172		R=1332.55m K=13.3 L=25.40m		L=26.04m G=-1:40		R=1931.02m K=19.3 L=20.00m		L=9.12m G=-1:69		R=548.26m K=5.5 L=15.00m		L=18.00m G=1:78		R=626.46m K=6.3 L=15.00m		L=10.15m G=-1:90									
HORIZONTAL ALIGNMENT	L=27.70m R=125.32m		L=27.70m R=125.32m		L=40.99m R=110.63m			L=19.99m R=300.00m		L=28.59m B=164° 16' 44"		L=22.37m R=200.00m		L=22.37m R=200.00m		L=17.82m B=164° 16' 44"		L=53.04m R=69.68m								L=33.15m B=207° 53' 52"																	

LONGITUDINAL SECTION - STA 0+520.00 TO 0+794.900
SCALE: H 1:500 V 1:200

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE (UNO).
2. ALL LEVELS ARE IN METRES TO ORDNANCE DATUM UNO.
3. ALL CO-ORDINATES ARE RELATIVE TO OS NATIONAL GRID.
4. PROPOSED ROAD MODEL AND SURFACES HAVE BEEN DESIGNED USING AUTODESK CIVIL 3D.

REFERENCE DRAWINGS:

HTR-GHD-P4-SA-DR-T-0013	- HORIZONTAL GEOMETRY
HTR-GHD-P4-SA-DR-T-0014	- LONG SECTION SHEET 1
HTR-GHD-P4-SA-DR-T-0016-25	- CROSS SECTIONS

KEY

	PROPOSED SURFACE
	EXISTING SURFACE
ELEV	ELEVATION
L	LENGTH OF VERTICAL CURVE
K	K VALUE OF VERTICAL CURVE
CH	CHAINAGE OF ALIGNMENT
R	RADII OF VERTICAL CURVE
G	GRADIENT

Rev	Description	Checked	Approved	Date
P02	PHASE 4 PLANNING SUBMISSION	DL	TG	28.05.26
P01	PHASE 4 PLANNING SUBMISSION	DL	TG	06.02.26

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Future Water MJJV Ltd

GHD

Project No.
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Client PORTSMOUTH WATER

Project HAVANT THICKET RESERVOIR

Status FOR INFORMATION Status Code S2

Drawing Title SOUTHERN ACCESS ROAD
LONG SECTION
SHEET 2

Size A1

Drawing No. HTR-GHD-P4-SA-DR-T-0015

Rev P02

Plot Date: 22 May 2026 - 5:23 PM Plotted by: Franz Alexis Juanico File Name: C:\ADSK\ACCDocs\GHD Services Pty Ltd\12547181 - Havant Thicket Reservoir\Project Data & Docs\WIP (S0)\GHD Engineers\Civil & Roads (7)\Models\AutoCAD\HTR-GHD-P4-SA-DR-T-0015.dwg