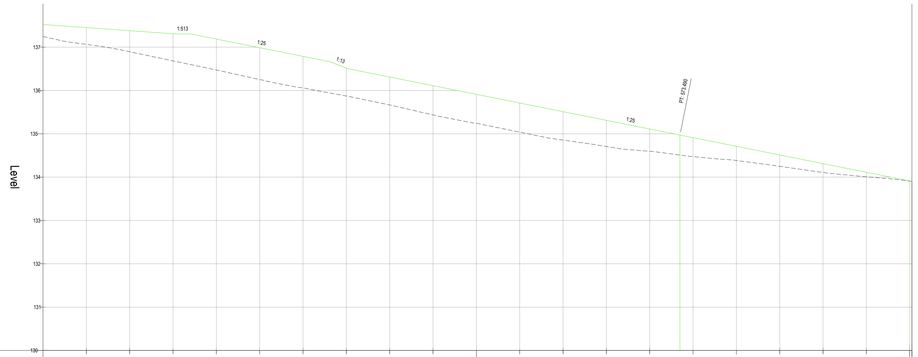
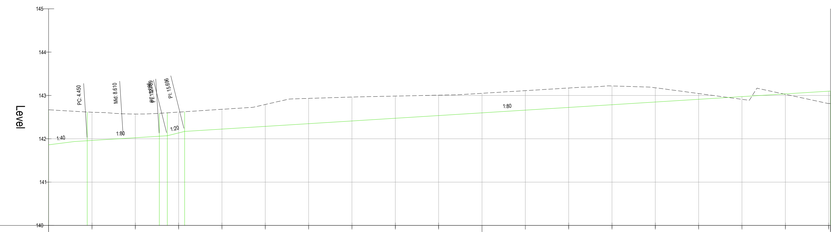


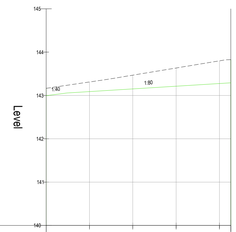
Chainage	500.000	505.000	510.000	515.000	520.000	525.000	530.000	535.000	540.000	545.000	550.000	555.000	560.000	565.000	570.000	575.000	580.000	585.000	590.000	595.000	596.000
Existing Levels	137.246	137.653	136.994	136.653	136.472	136.252	136.060	135.872	135.666	135.423	135.243	135.039	134.956	134.797	134.637	134.473	134.380	134.249	134.128	134.057	134.000
Proposed Levels	137.323	137.451	137.380	137.308	137.187	136.987	136.787	136.577	136.311	136.111	135.911	135.711	135.511	135.311	135.111	134.911	134.711	134.511	134.311	134.111	134.011
Horizontal Geometry	R: 199.452 L: 183.101																L =26.768				
Vertical Geometry	G =-1.439% L =58.812			G =-9.195% L =17.976		G =-0.000% L =16.040		G =-3.763% L =12.923				G =-4.000% L =40.121									
Surface Water CL																					
Surface Water IL																					
Surface Water Details																					
Foul Water CL																					
Foul Water IL																					
Foul Water Details																					

ROAD 1 - LONGSECTION CH 500-ROAD END
SCALE: H 1:250,V 1:50. DATUM: 130.000



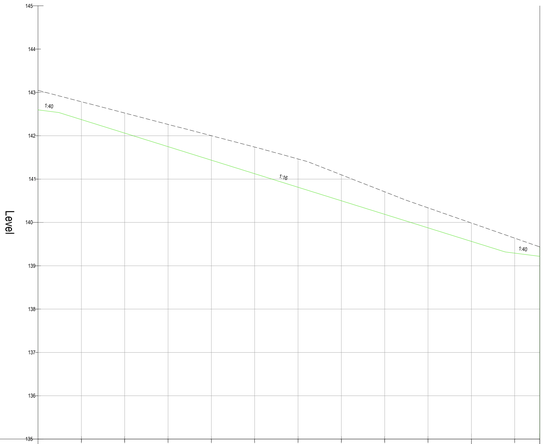
Chainage	0.000	5.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	55.000	60.000	65.000	70.000	75.000	80.000	85.000	90.207
Existing Levels	142.669	142.613	142.571	142.619	142.681	142.752	142.832	142.904	142.960	142.997	143.050	143.111	143.172	143.273	143.173	143.044	142.911	143.022	142.813
Proposed Levels	141.862	141.962	142.024	142.135	142.224	142.286	142.349	142.411	142.474	142.536	142.599	142.661	142.724	142.786	142.849	142.911	142.974	143.036	143.101
Horizontal Geometry	L =4.450	R: 10.557 L: 8.319		L =189.000	L =74.511														
Vertical Geometry	G =2.900% L =5.000		G =1.250% L =110.896		G =4.965% L =5.000	G =1.250% L =74.511													
Surface Water CL																			
Surface Water IL																			
Surface Water Details																			
Foul Water CL																			
Foul Water IL																			
Foul Water Details																			

ROAD 2 - LONGSECTION
SCALE: H 1:250,V 1:50. DATUM: 140.000



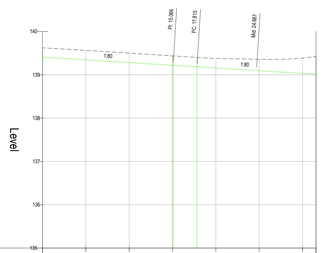
Chainage	0.000	5.000	10.000	15.000	20.000
Existing Levels	142.165	143.111	143.469	143.634	143.681
Proposed Levels	142.996	143.089	143.151	143.214	143.276
Horizontal Geometry	L =21.313				
Vertical Geometry	G =2.900% L =5.400	G =1.250% L =18.913			
Surface Water CL					
Surface Water IL					
Surface Water Details					
Foul Water CL					
Foul Water IL					
Foul Water Details					

ROAD 2 TH - LONGSECTION
SCALE: H 1:250,V 1:50. DATUM: 140.000



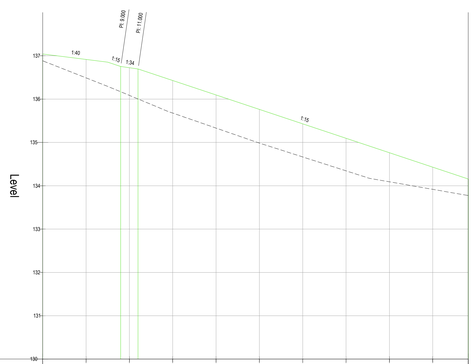
Chainage	00.000	05.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	55.000	57.900
Existing Levels	143.948	142.796	142.525	142.283	142.302	141.740	141.464	141.088	140.706	140.138	139.897	139.637	139.424
Proposed Levels	142.837	142.374	142.062	141.749	141.437	141.124	140.812	140.499	140.187	139.874	139.562	139.250	139.218
Horizontal Geometry	L =57.900												
Vertical Geometry	G =-2.500% L =2.400	G =-6.200% L =51.500										G =-2.500% L =4.500	
Surface Water CL													
Surface Water IL													
Surface Water Details													
Foul Water CL													
Foul Water IL													
Foul Water Details													

ROAD 3 - LONGSECTION
SCALE: H 1:250,V 1:50. DATUM: 135.000



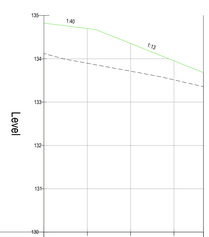
Chainage	00.000	05.000	10.000	15.000	20.000	25.000	30.000	35.000
Existing Levels	139.621	139.503	139.330	139.435	139.378	139.306	139.387	139.421
Proposed Levels	138.406	139.344	139.281	139.219	139.156	139.094	139.031	138.972
Horizontal Geometry	L =15.066	L =2.749	R: 26.665 L: 13.742					
Vertical Geometry	G =-1.250% L =15.066		G =-1.250% L =16.493					
Surface Water CL								
Surface Water IL								
Surface Water Details								
Foul Water CL								
Foul Water IL								
Foul Water Details								

ROAD 3 TH - LONGSECTION
SCALE: H 1:250,V 1:50. DATUM: 135.000



Chainage	00.000	05.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	49.100
Existing Levels	136.883	136.490	136.086	135.679	135.231	134.986	134.865	134.344	134.091	133.917	133.774
Proposed Levels	137.241	136.916	136.724	136.429	136.095	135.762	135.428	135.095	134.762	134.428	134.155
Horizontal Geometry	L =9.000	L =2.000	L =38.100								
Vertical Geometry	G =-2.500% L =7.359	G =-8.667% L =11.928	G =-10.923% L =12.903	G =-6.667% L =38.100							
Surface Water CL											
Surface Water IL											
Surface Water Details											
Foul Water CL											
Foul Water IL											
Foul Water Details											

ROAD 4 - LONGSECTION
SCALE: H 1:250,V 1:50. DATUM: 130.000



Chainage	00.000	05.000	10.000	15.000	18.400
Existing Levels	134.123	133.897	133.712	133.514	133.336
Proposed Levels	134.822	134.697	134.572	133.972	133.580
Horizontal Geometry	L =18.400				
Vertical Geometry	G =-2.500% L =6.206	G =-8.000% L =12.400			
Surface Water CL					
Surface Water IL					
Surface Water Details					
Foul Water CL					
Foul Water IL					
Foul Water Details					

ROAD 4 TH - LONGSECTION
SCALE: H 1:250,V 1:50. DATUM: 130.000

DESIGN RISK NOTES:

1. IN ACCORDANCE WITH THE CONSTRUCTION (DESIGN & MANAGEMENT) REGULATIONS 2015, IT IS THE POLICY OF THIS PRACTICE TO 'DESIGN OUT' AS MANY IDENTIFIABLE RISKS AS POSSIBLE FOR THE CONSTRUCTION, OPERATION AND MAINTENANCE OF THE PROJECT.
2. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PRC CONSTRUCTION INFORMATION WHICH IS DEFINED IN THE CONSTRUCTION (DESIGN & MANAGEMENT) REGULATIONS 2015.
3. A COMPETENT CONTRACTOR SHOULD BE AWARE OF 'NORMAL' RISKS INVOLVED WITH THE CONSTRUCTION PROCESS. HOWEVER ADDITIONAL PRECAUTIONS WILL NEED TO BE CONSIDERED FOR THE FOLLOWING ITEMS:
   A) NONE IDENTIFIED.
4. SAFE METHODS AND SYSTEMS OF WORK REMAIN THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE IDENTIFIED IN THE CONSTRUCTION PHASE PLAN. THE CONSTRUCTION PHASE PLAN MUST BE IN PLACE PRIOR TO THE START OF ANY MOBILISATION OR SITE WORKS.
5. RESIDUAL RISKS THAT HAVE BEEN IDENTIFIED AND CANNOT BE 'DESIGNED OUT' ARE AS FOLLOWS:
   A) NONE IDENTIFIED.
6. IF ANY PARTY USING THIS DRAWING CONSIDERS THAT THERE ARE 'ABNORMAL' RISKS THAT HAVE NOT BEEN IDENTIFIED ABOVE, THEN THE ENGINEER SHOULD BE NOTIFIED.

ADDITIONAL HEALTH & SAFETY NOTES:

1. CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.

ROADS & DRAINAGE

1. CONTRACTOR TO PROVIDE TRENCH SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLING DRAINAGE.
2. TO ENSURE THAT EXCAVATIONS ARE OPEN ON SITE SHOULD BE KEPT TO A MINIMUM AND ALL TRENCHES SHOULD BE SURROUNDED BY A BARRIER.
3. CONNECTIONS TO EXISTING SEWERS TO BE MADE BY APPROVED CONTRACTOR ONLY.
4. CONTRACTOR TO MAKE OPERATIVES AWARE OF ASSOCIATED DANGERS TO HEALTH SUCH AS LEPTOSPIROSIS (WEILS DISEASE) AND RECOMMENDED PRECAUTIONS. ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED.
5. UNFINISHED MANHOLES MUST BE COVERED WITH LOAD BEARING MATERIALS AND SURROUNDED WITH BARRIER.

PIPES & CABLES

7. CONTRACTOR TO OBTAIN ALL SERVICE RECORDS PRIOR TO WORKS COMMENCING.
8. SERVICE RECORDS TO BE REFERRED TO PRIOR TO WORK COMMENCING. CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND DIG AND PROTECTED ACCORDINGLY.

EXCAVATION/FILL

9. CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM STEEP SLOPES DURING THE WORKS.
10. CONTRACTOR TO ENSURE SAFE PROCEDURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM EXCAVATIONS DURING NIGHTTIME.
11. CONTRACTOR TO REFER TO GROUND INVESTIGATION REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.
12.

KEY

EXISTING LEVELS

PROPOSED LEVELS

DATE	DESCRIPTION	DR	CHK	REV
26/08/2025	FIRST ISSUE	NA	AE	01

SCHEMATIC

RWO Civil Structures Geoenvironmental

www.rwo.group | info@rwo.group | 0330 0566900

NEWCASTLE | LEEDS | LONDON | STOKESLEY

CLIENT:
GLEEESON HOMES

PROJECT:
HARRAS MOOR
WHITEHAVEN

TITLE:
PROPOSED LONGSECTIONS
SHEET 2 OF 7

PROJECT No:	DISCIPLINE:	SCALE:
24339	CIVIL	@:A0 1:250

DRAWING No: 24339-RWO-XX-XX-DR-C-0301 | REV: 01

Project - Originator - Functional Breakdown - Spatial Breakdown - Form - Discipline - Number