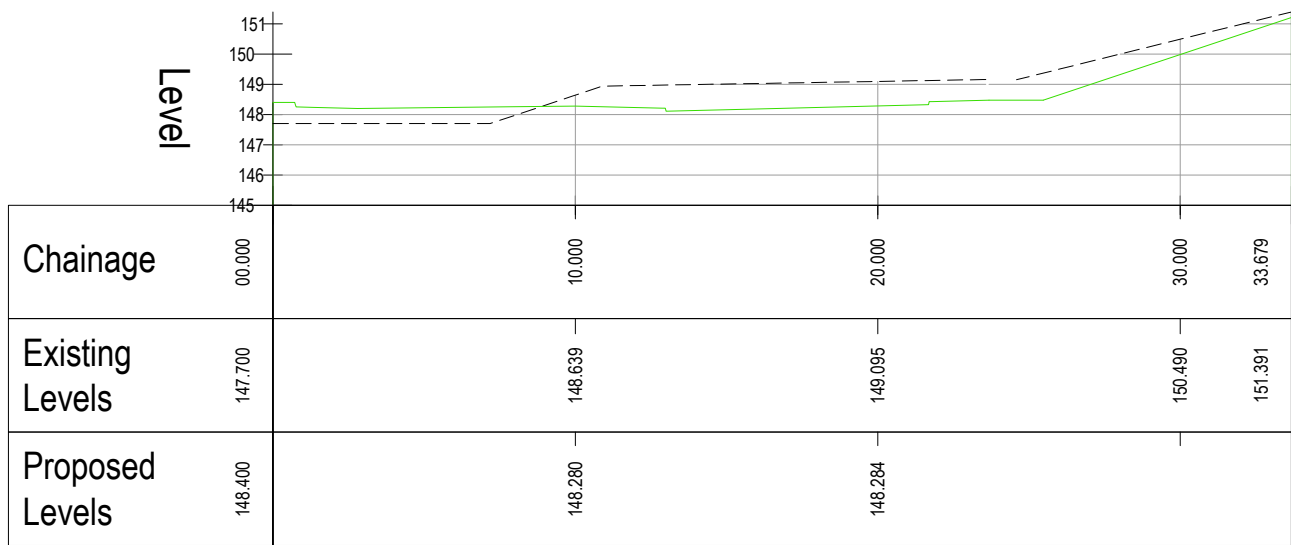
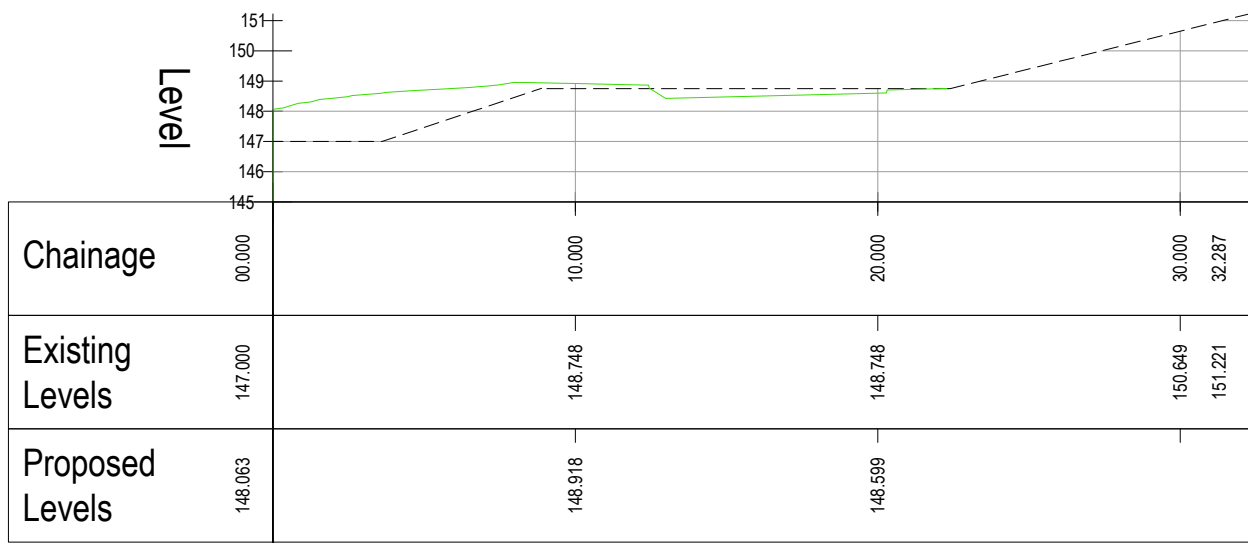
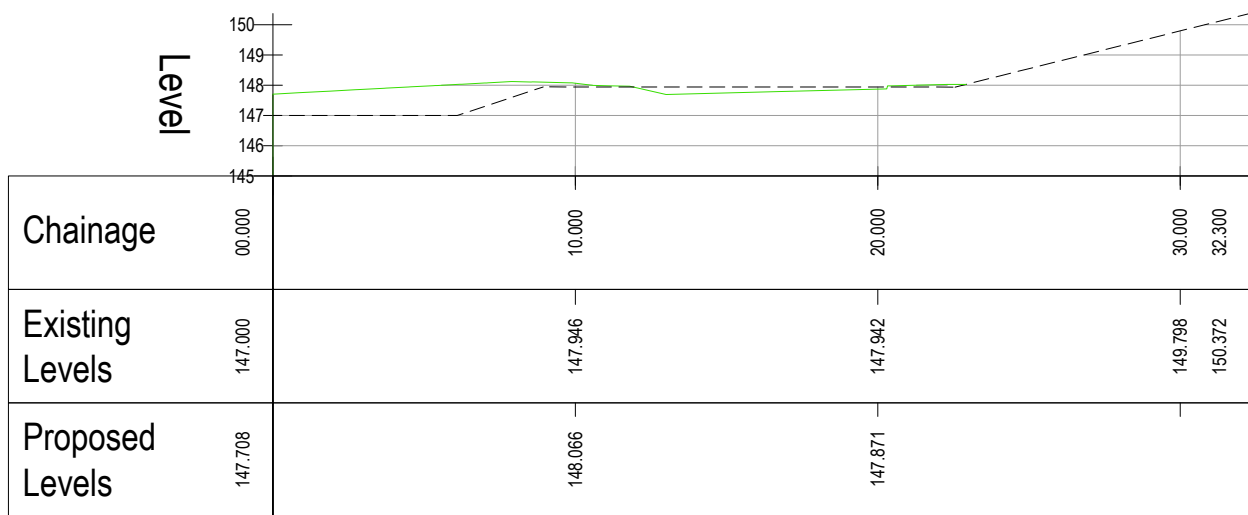




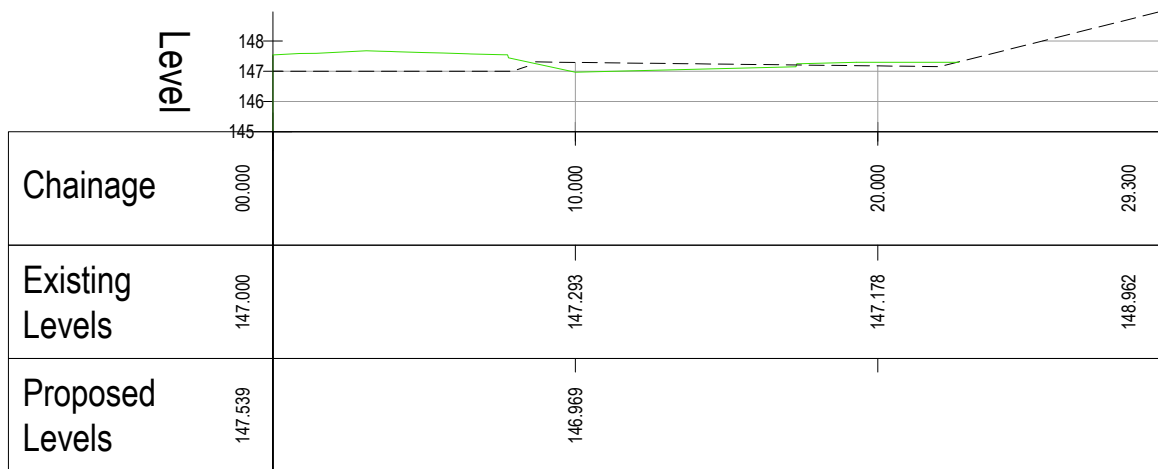
CH 20M - CROSS SECTION
SCALE: H 1:250,V 1:250. DATUM: 145.000



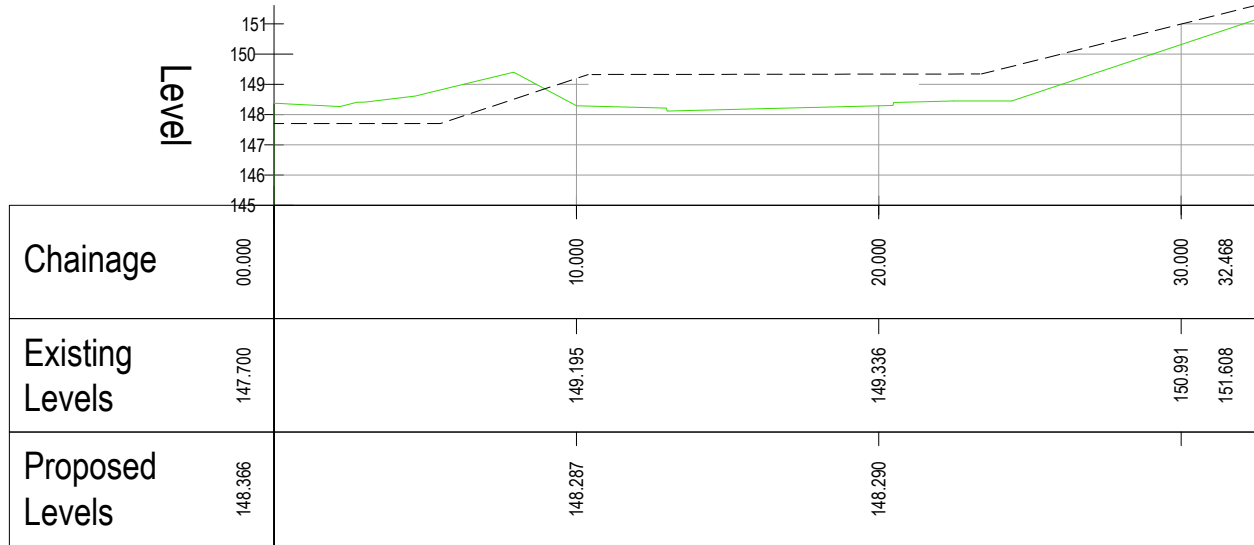
CH 100M - CROSS SECTION
SCALE: H 1:250,V 1:250. DATUM: 145.000



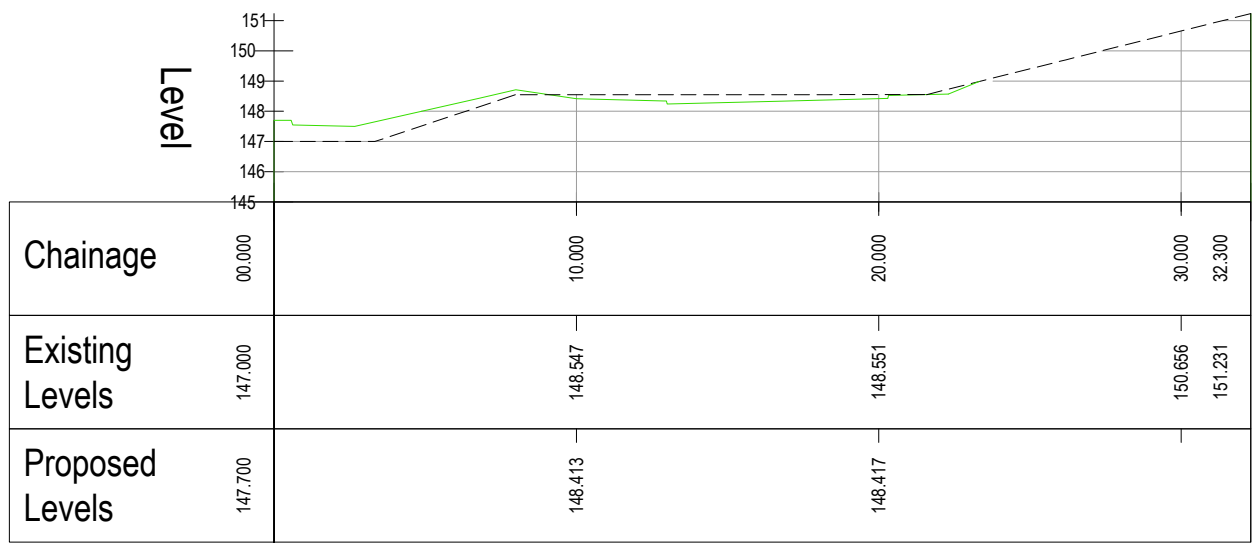
CH 180M - CROSS SECTION
SCALE: H 1:250,V 1:250. DATUM: 145.000



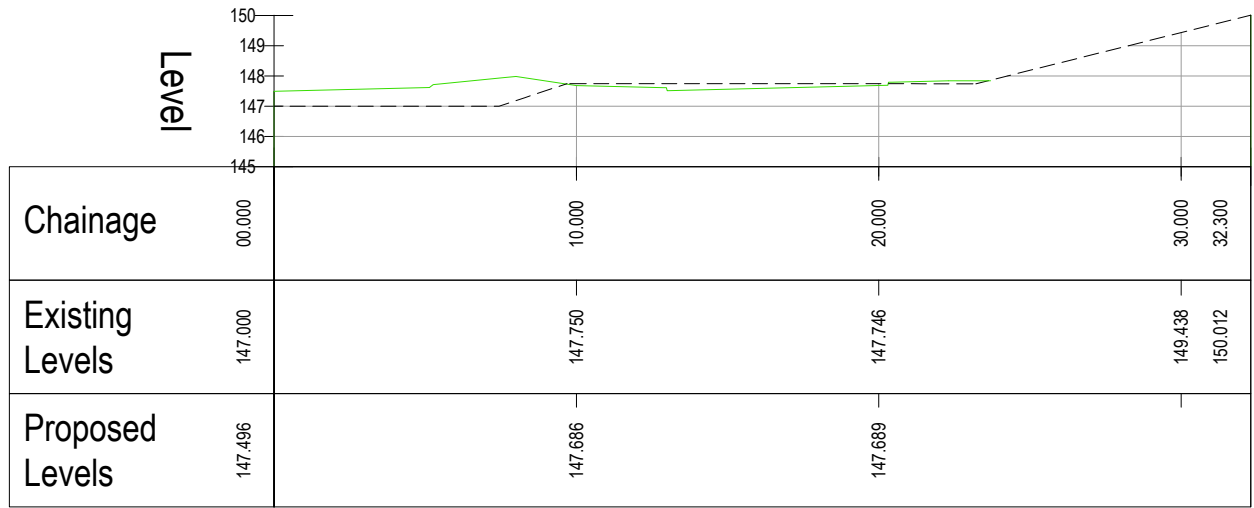
CH 260M - CROSS SECTION
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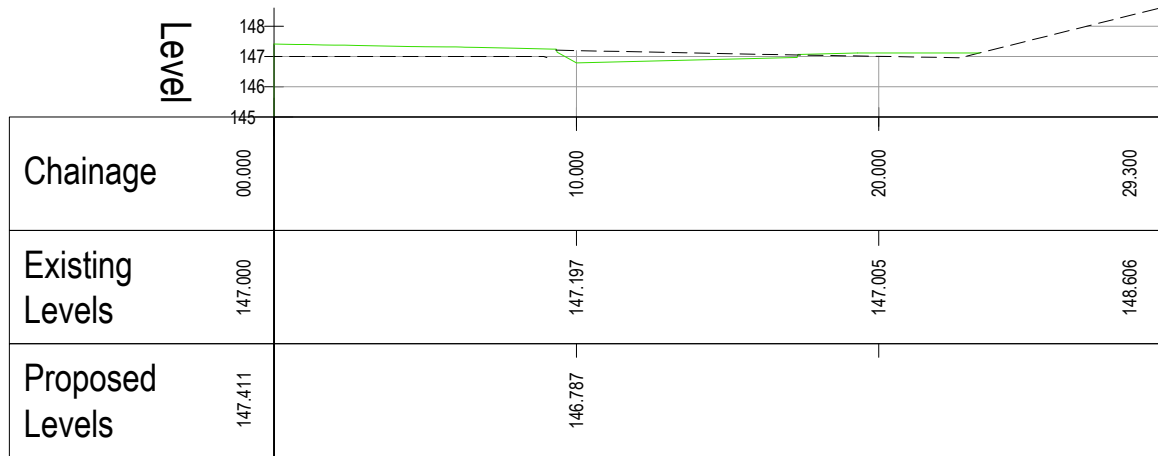
CH 40M - CROSS SECTION
SCALE: H 1:250,V 1:250. DATUM: 145.000



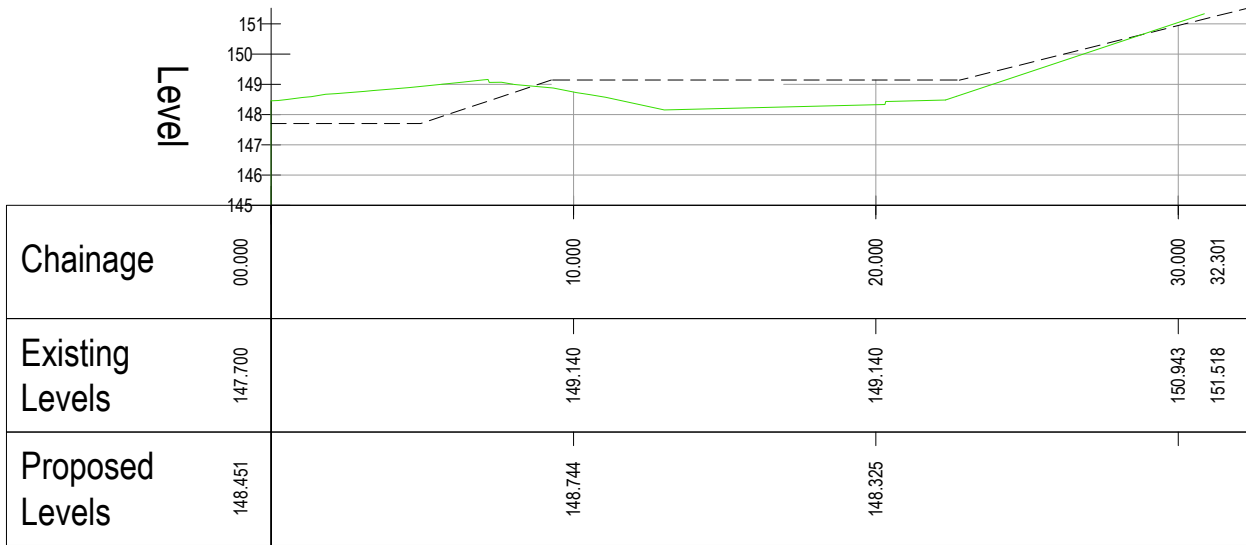
CH 120M - CROSS SECTION
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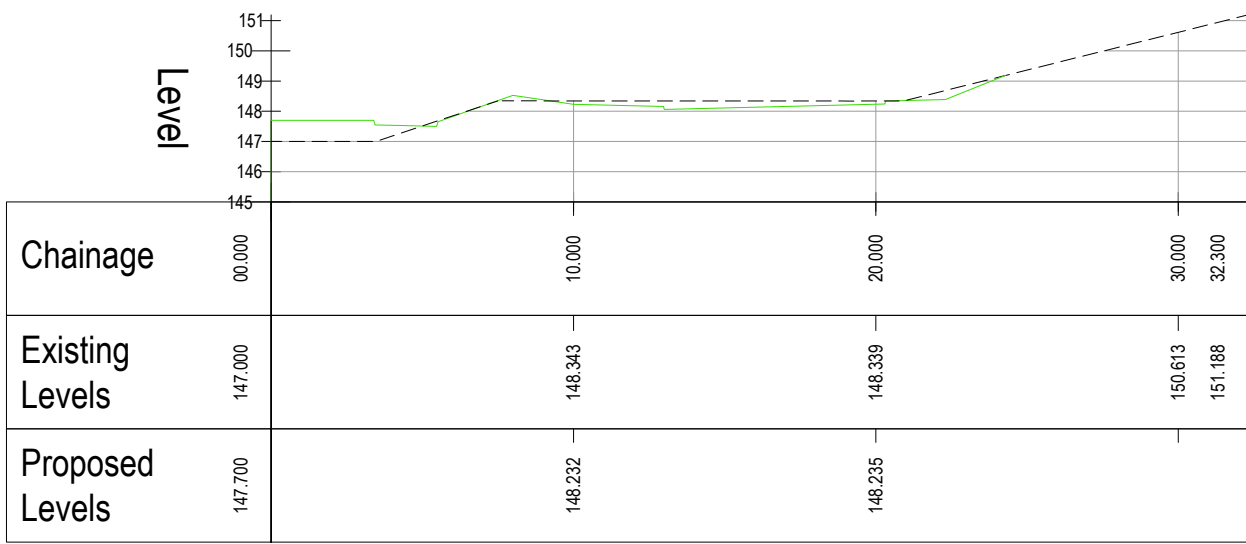
CH 220M - CROSS SECTION
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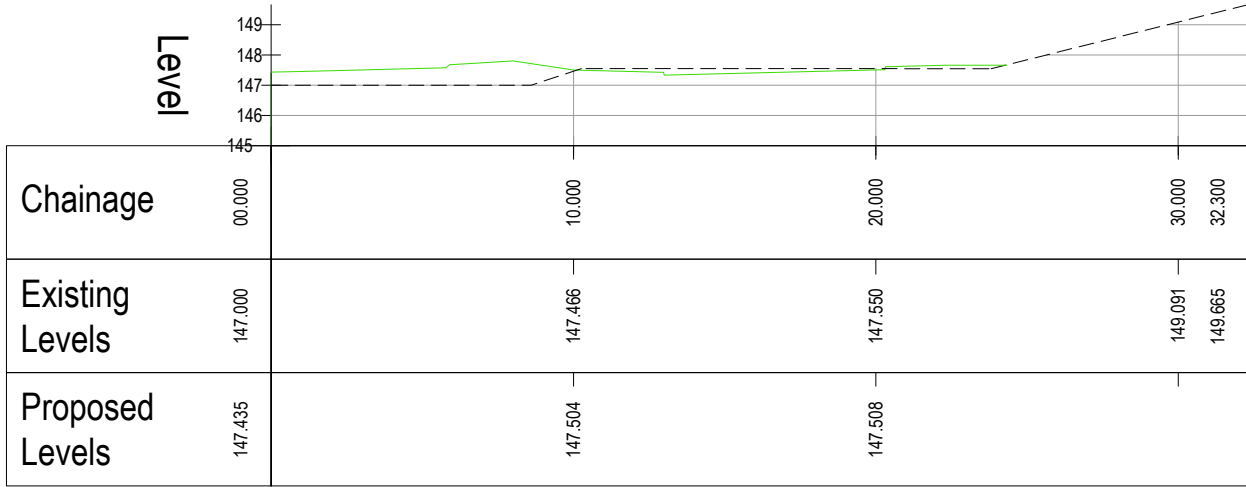
CH 280M - CROSS SECTION
SCALE: H 1:250,V 1:250. DATUM: 145.000



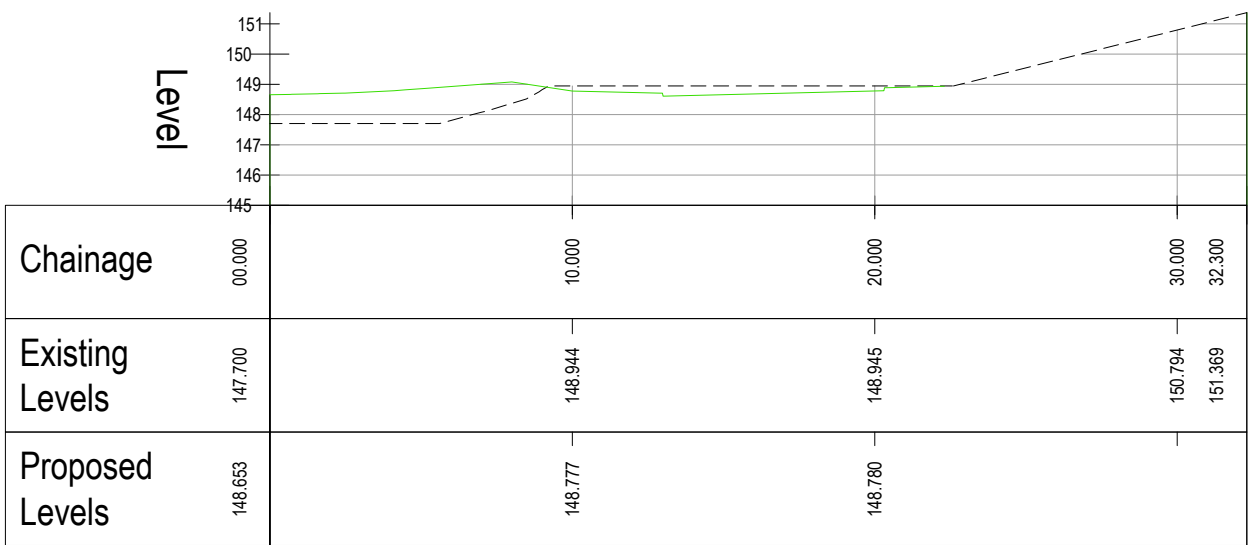
CH 60M - LONGSECTION
SCALE: H 1:250,V 1:250. DATUM: 145.000



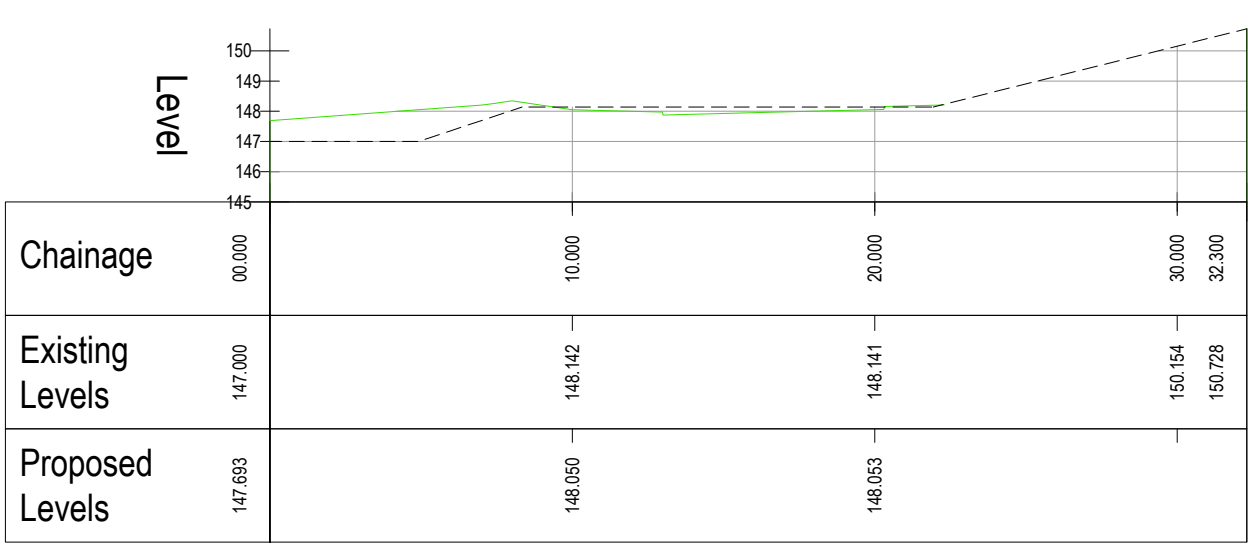
CH 140M - CROSS SECTION
SCALE: H 1:250,V 1:250. DATUM: 145.000



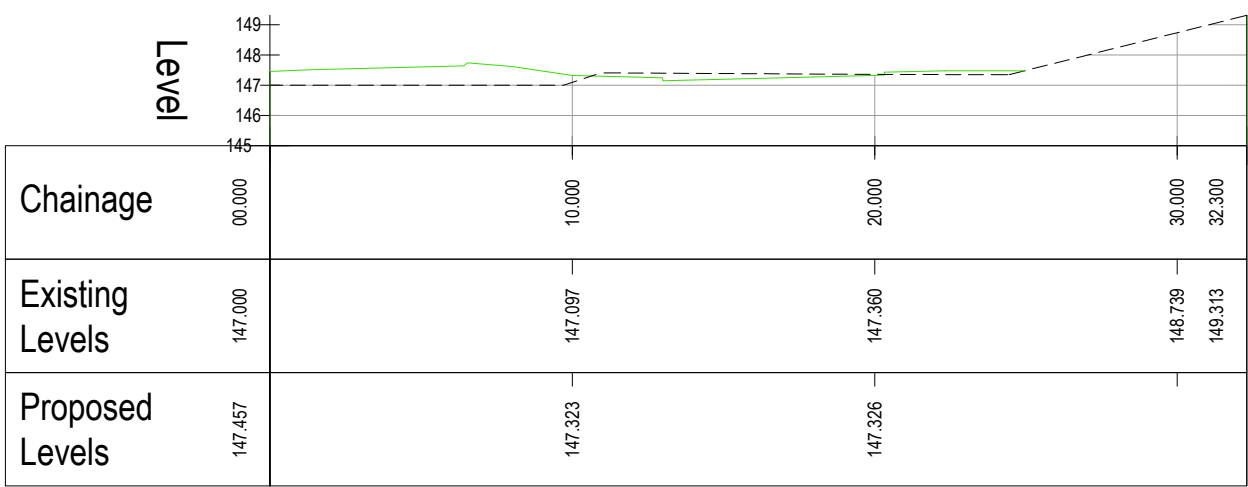
CH 240M - CROSS SECTION
SCALE: H 1:250,V 1:250. DATUM: 145.000



CH 80M - CROSS SECTION
SCALE: H 1:250,V 1:250. DATUM: 145.000



CH 160M - CROSS SECTION
SCALE: H 1:250,V 1:250. DATUM: 145.000



CH 240M - CROSS SECTION
SCALE: H 1:250,V 1:250. DATUM: 145.000

DESIGN NOTES:

- 1. ALL WORKS TO COMPLY WITH CURRENT VERSION OF THE FOLLOWING DOCUMENTS:
 - DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)
 - SPECIFICATION FOR HIGHWAY WORKS (SHW)
 - LOCAL AUTHORITY DESIGN GUIDE AND SPECIFICATION
- 2. PRIOR TO COMMENCING WORKS THE CONTRACTOR SHOULD INVESTIGATE AND LOCATE AS NECESSARY ANY STATUTORY UNDERTAKERS EQUIPMENT WITHIN THE NEW ACCESS AND DISCUSS REQUIREMENTS FOR LOWERING/DIVERSION AND PROTECTION WITH THE RELEVANT UNDERTAKER.
- 3. ALL WORKS WITHIN THE PUBLIC HIGHWAY TO MEET LOCAL AUTHORITY REQUIREMENTS. CONTRACTOR TO APPLY FOR ROAD OPENING NOTICES ETO AS REQUIRED.
- 4. CBR VALUE NOT AVAILABLE. ROAD CONSTRUCTION DETAIL SUBJECT TO CONFIRMATION OF CBR VALUES. CONTRACTOR TO ALLOW FOR LAB TESTS TO BE UNDERTAKEN IN AGREEMENT WITH LOCAL AUTHORITY HIGHWAY ENGINEERS PRIOR TO WORKS COMMENCING.
- 5. PROPOSED LEVELS HAVE BEEN BASED ON THE AS BUILT EARTHWORKS TOPOGRAPHIC SURVEY PROVIDED BY HOWARD CIVIL ENGINEERING PLATEAU LEVELS BY DATED AUGUST 2021.
- 6. PROPOSED DRAWING BASED ON ARCHITECTURAL LAYOUT BY THE HARRIS PARTNERSHIP ARCHITECTS REF: 12006-2-111J RECEIVED JANUARY 2022.

DRAINAGE NOTES:

- 1. ALL PIPES 1000 UNLESS OTHERWISE STATED.
- 2. ALL PRIVATE FOUL WATER PIPES NOT ANNOTATED TO BE A MINIMUM OF 1000 INSTALLED AT 1:40. ALL PRIVATE SURFACE WATER PIPES NOT ANNOTATED TO BE A MINIMUM OF 1000 INSTALLED AT 1:100.
- 3. ALL PPICs OVER 1.2m DEEP TO BE PROVIDED WITH REDUCED ACCESS COVER AND FRAME IN ACCORDANCE WITH BUILDING REGULATIONS PART H.
- 4. ALL PPICs IN TRAFFICKED AREAS TO HAVE D400 COVERS & CONCRETE SURROUND.
- 5. ALL INTERNAL PLOT DRAINAGE REQUIRES CONFIRMATION PRIOR TO CONSTRUCTION.
- 6. CONTRACTOR TO CONFIRM MH COVERS & INVERT LEVEL OF PROPOSED CONNECTION POINT PRIOR TO CONSTRUCTION. ANY VARIATION TO BE REPORTED TO ENGINEER.
- 7. THE INVERT LEVEL OF THE EXISTING SEWERS ARE TO BE VERIFIED PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS. ANY DISCREPANCY MUST BE NOTIFIED TO THE ENGINEER.
- 8. EXISTING MANHOLES TO BE MODIFIED TO ACCOMMODATE THE PROPOSED LATERAL CONNECTIONS. CONTRACTOR TO APPLY TO THE WATER AUTHORITY FOR THE SECTION 106 APPROVAL TO MAKE THE CONNECTIONS. PIPES ARE TO BE LAID WITH COMMON INVERT LEVELS.
- 9. ALL STUB PIPES ARE TO BE CAPPED.
- 10. ALL PIPES CONNECTIONS TO BE SOFFIT TO SOFFIT UNLESS STATED OTHERWISE. REFER TO MANHOLE SCHEDULE FOR FURTHER INFORMATION.

KEY

- EXISTING LEVELS
- PROPOSED LEVELS

30/04/2022	UPDATED TO SUIT LATEST SITE LEVELS	JR	AMF	3
25/02/2022	CONSTRUCTION ISSUE	JR	AMF	2
10/09/2021	FIRST ISSUE	JR	AMF	1
Date	Revisions	Drawn	Checked	Rev
Dwg Status				
CONSTRUCTION				
NORTH EAST 0191 2585632				
YORKSHIRE 0113 5323500				
CONSULTING ENGINEERS WWW.RWO.GROUP INFO@RWO.GROUP				
Client HARWORTH GROUP				
Project GATEWAY 36 BIRDWELL				
Title PROPOSED ROAD CROSS SECTIONS				
DO NOT SCALE	Scale @ A1: 1:250	Drawn JR	Checked MF	Date 10/09/2021
Job No	Y20112	Dwg No	D301	Rev 3