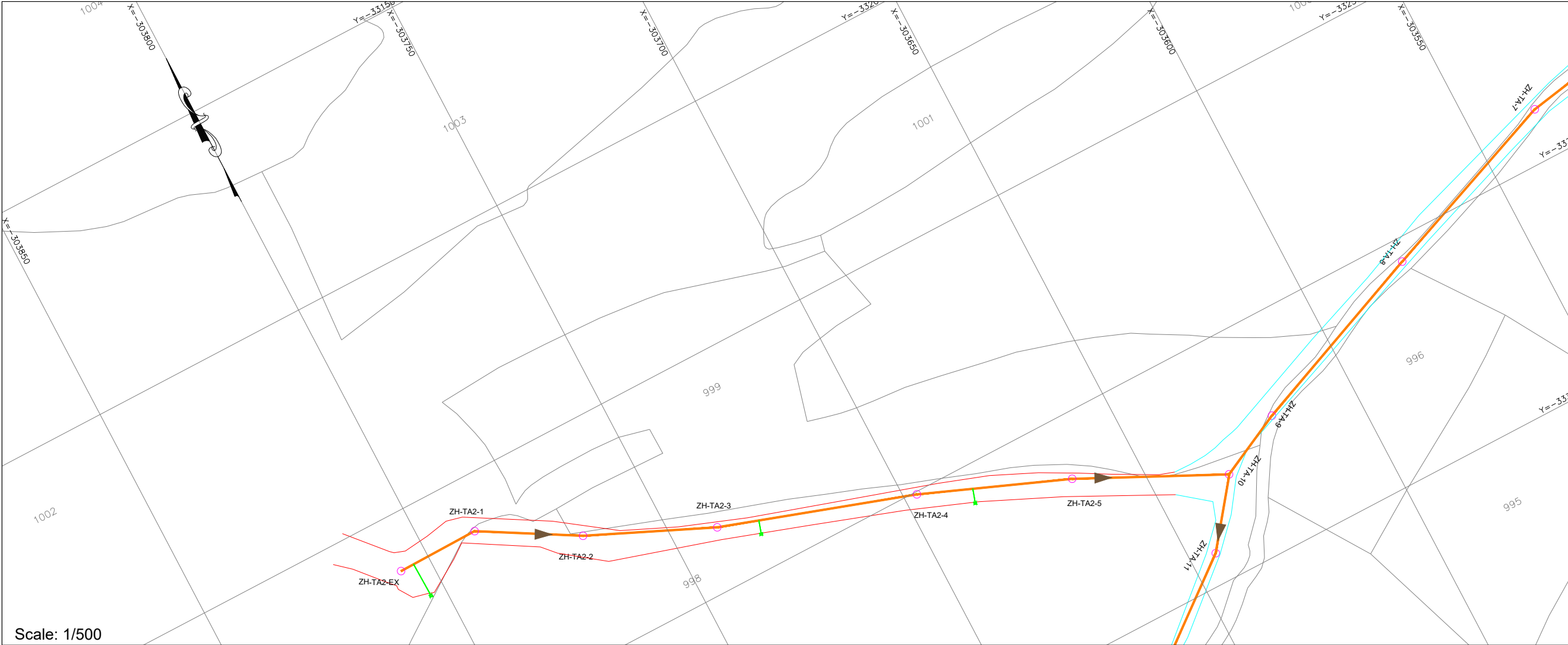


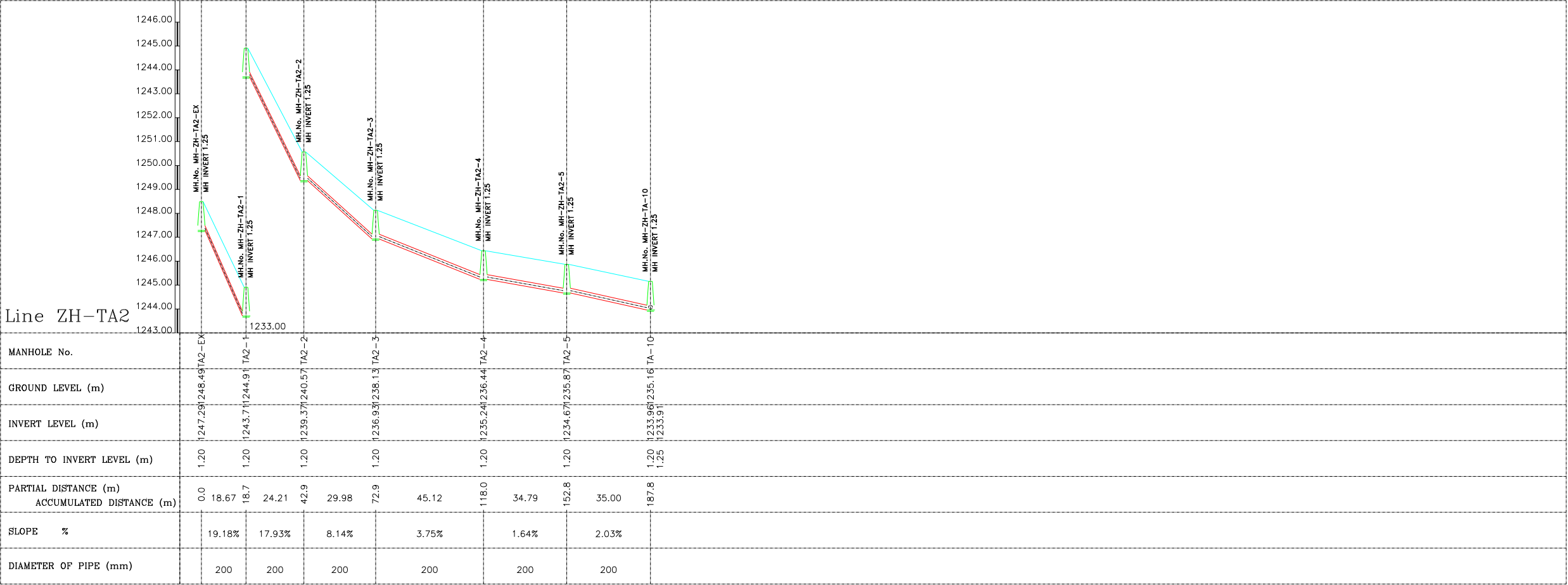


Scale: 1/500

NOTES:
1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.
2- DIMENSIONS MUST NOT BE SCALED ON THIS DRAWING.
3- THE LENGTH OF PIPE IS MEASURED FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE.
4- PROVIDE CONCRETE PROTECTION FOR PIPES ACCORDING TO DRAWING OR WHERE REQUIRED BY THE ENGINEER.
5- FINAL LOCATION OF MANHOLES AND PIPES ARE TO BE DETERMINED ON SITE AND SHALL BE APPROVED BY THE ENGINEER TO SUIT EXISTING SERVICES.
6- PIPES ROUTE MUST BE LOCATED EXCLUSIVELY IN PUBLIC DOMAIN.

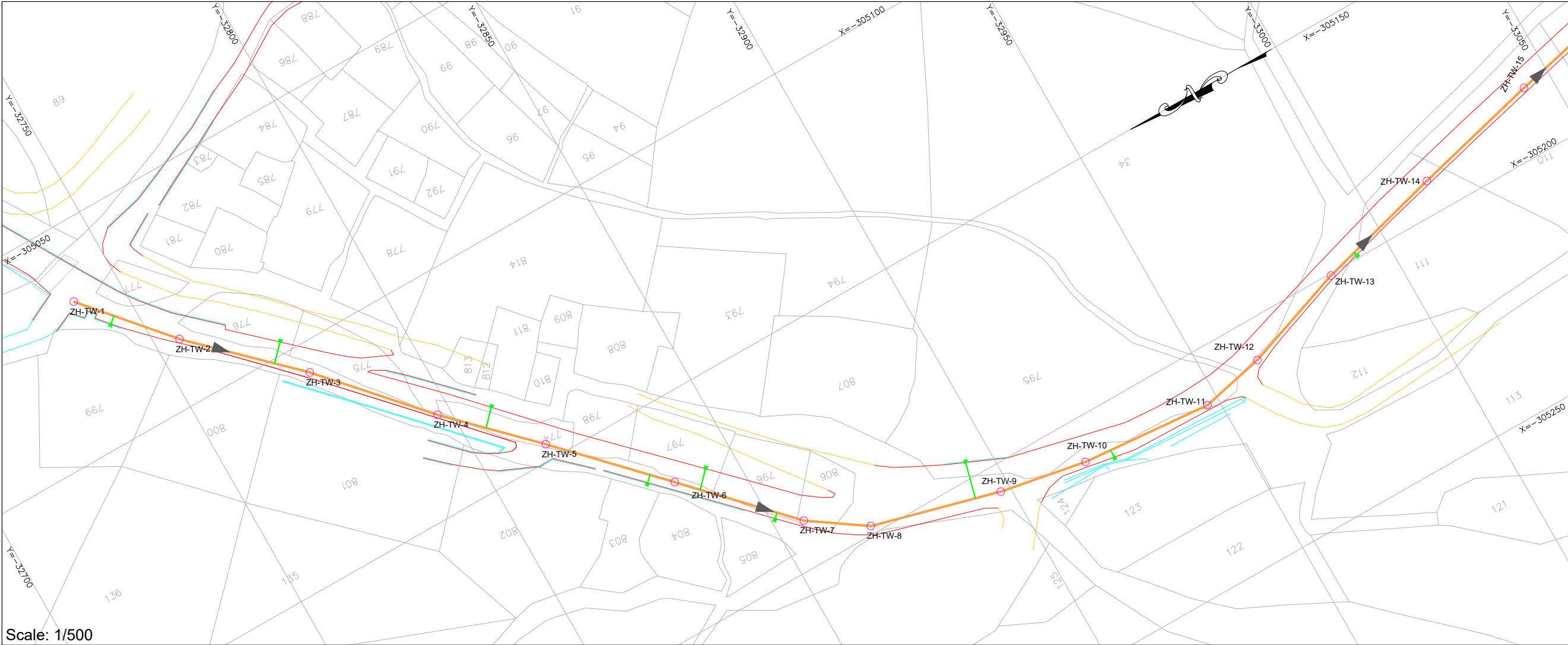
PLAN LEGEND:
PROPOSED WASTEWATER UPVC PIPE-200mm
PROPOSED WASTEWATER UPVC PIPE-250mm
PROPOSED WASTEWATER UPVC PIPE-300mm
PROPOSED WASTEWATER CONCRETE PIPE-500mm
PROPOSED WASTEWATER CONCRETE PIPE-600mm
ZH-TA2-8
PROPOSED WASTEWATER MANHOLE
PROPOSED HOUSE CONNECTION

PROFILE LEGEND:
PROJECT LEVEL
PIPE LAYOUT
MANHOLE
EXISTING PAVED ROAD
EXISTING CONCRETE ROAD
EXISTING DIRT ROAD
EXISTING CHANNEL
EXISTING FENCE
EXISTING GULLY
RIVER



Scale: 1/1000

01			
Rev.	DESCRIPTION	DATE	
FUNDING AGENT:			
 THE WORLD BANK			
CLIENT:			
 COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION			
CONSULTANT:			
			
Project Name: P-2111D			
COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)			
Drawing Title:			
WASTEWATER NETWORK ZAHLE PLAN VIEW & LONGITUDINAL PROFILE LINE ZH-TA2			
Dwg No.: P-2111D-P1-WW-PLP-224		Rev No.: 00	
Date: SEPTEMBER-2026		Scale: A.S.	
Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.

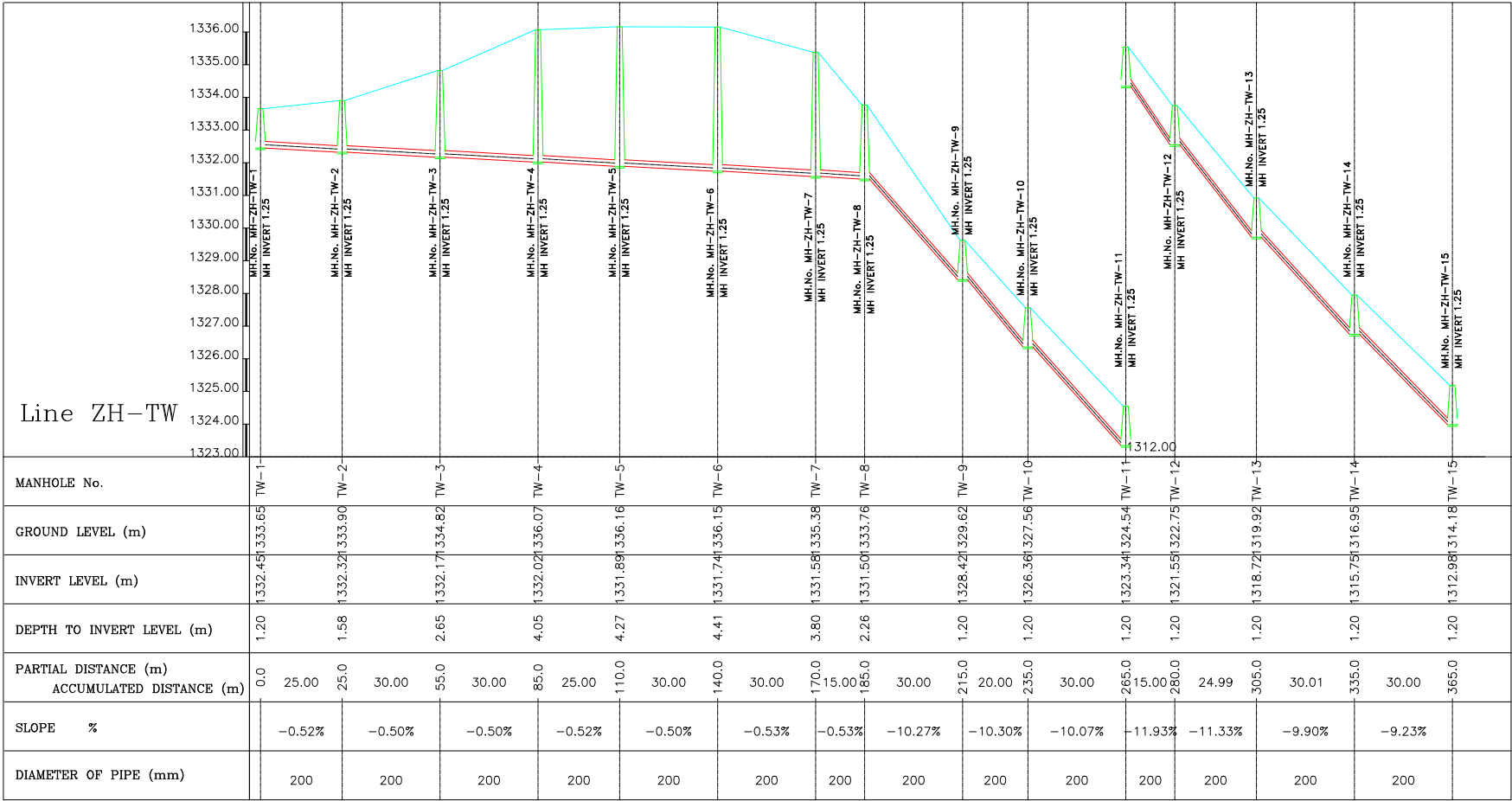


Scale: 1/500

- NOTES:
- 1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2- DIMENSIONS MUST NOT BE SCALED ON THIS DRAWING.
 - 3- THE LENGTH OF PIPE IS MEASURED FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE.
 - 4- PROVIDE CONCRETE PROTECTION FOR PIPES ACCORDING TO DRAWING OR WHERE REQUIRED BY THE ENGINEER.
 - 5- FINAL LOCATION OF MANHOLES AND PIPES ARE TO BE DETERMINED ON SITE AND SHALL BE APPROVED BY THE ENGINEER TO SUIT EXISTING SERVICES.
 - 6- PIPES ROUTE MUST BE LOCATED EXCLUSIVELY IN PUBLIC DOMAIN.

- PLAN LEGEND:
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - ZH-TA-8
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- PROJECT LEVEL
 - PIPE LAYOUT
 - MANHOLE
 - EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER



Scale: 1/1000

01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

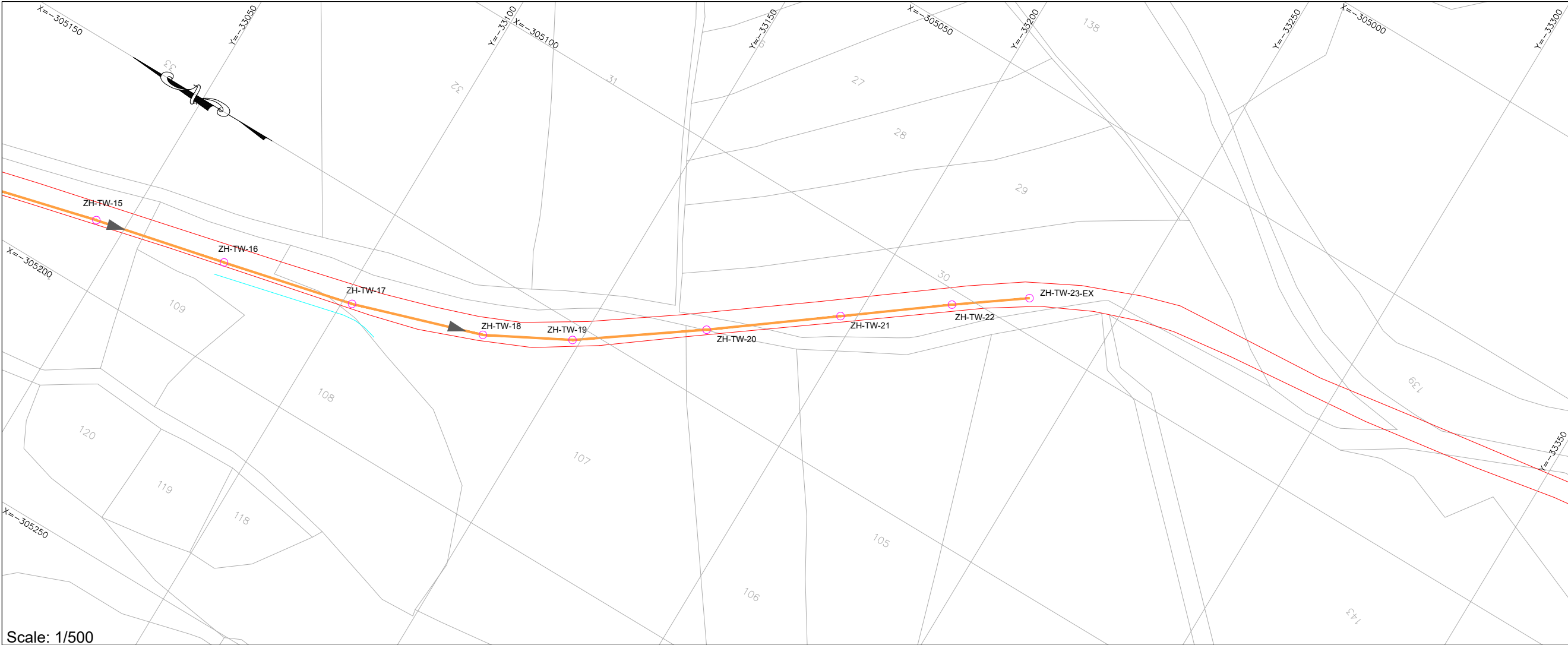
CONSULTANT:



Project Name: P-2111D
COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

Drawing Title:
WASTEWATER NETWORK
ZAHLE
PLAN VIEW & LONGITUDINAL PROFILE
LINE ZH-TW
SHEET (01 OF 02)

Dwg No.:	P-2111D-P1-WW-PLP-225	Rev No.:	00
Date:	SEPTEMBER-2026	Scale:	A.S.
Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.

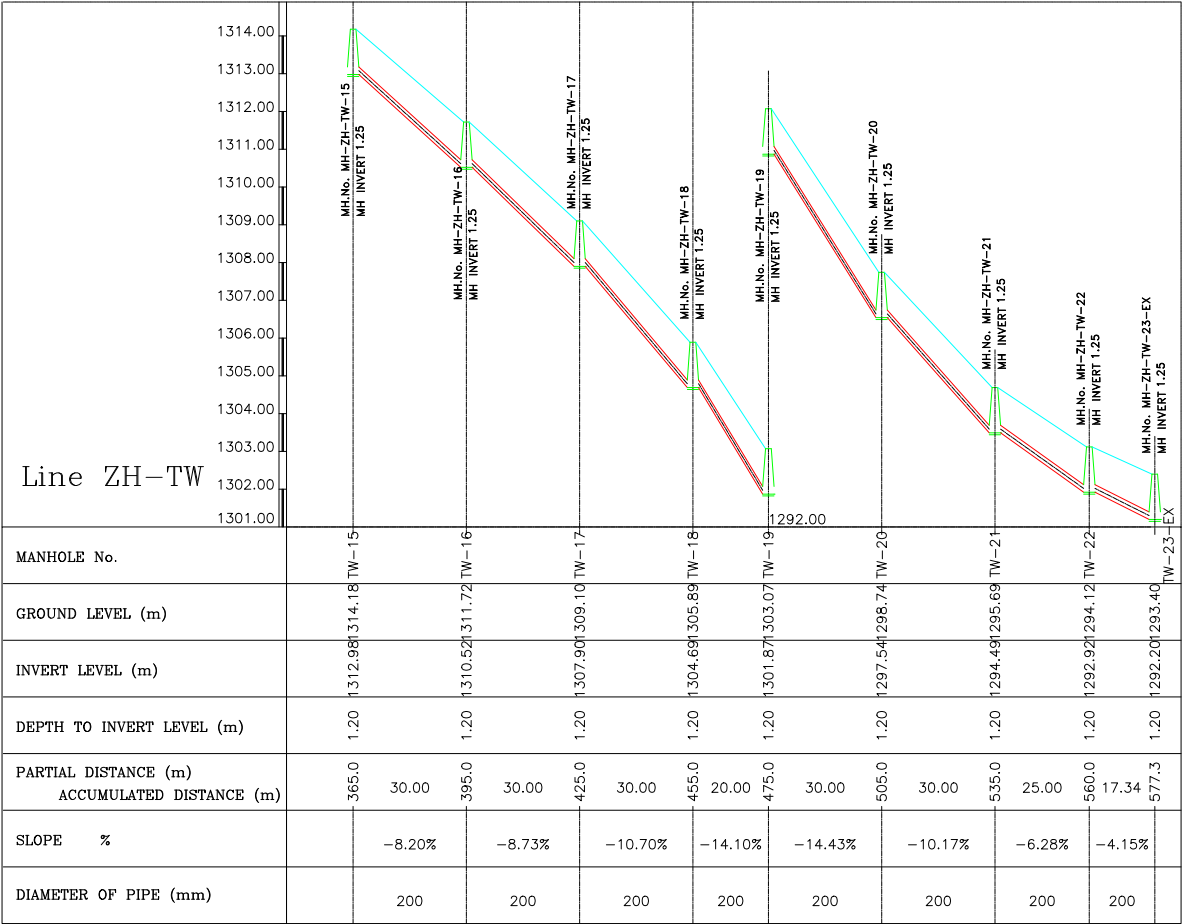


Scale: 1/500

- NOTES:
- 1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2- DIMENSIONS MUST NOT BE SCALED ON THIS DRAWING.
 - 3- THE LENGTH OF PIPE IS MEASURED FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE.
 - 4- PROVIDE CONCRETE PROTECTION FOR PIPES ACCORDING TO DRAWING OR WHERE REQUIRED BY THE ENGINEER.
 - 5- FINAL LOCATION OF MANHOLES AND PIPES ARE TO BE DETERMINED ON SITE AND SHALL BE APPROVED BY THE ENGINEER TO SUIT EXISTING SERVICES.
 - 6- PIPES ROUTE MUST BE LOCATED EXCLUSIVELY IN PUBLIC DOMAIN.

- PLAN LEGEND:
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - ZH-TA-8
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

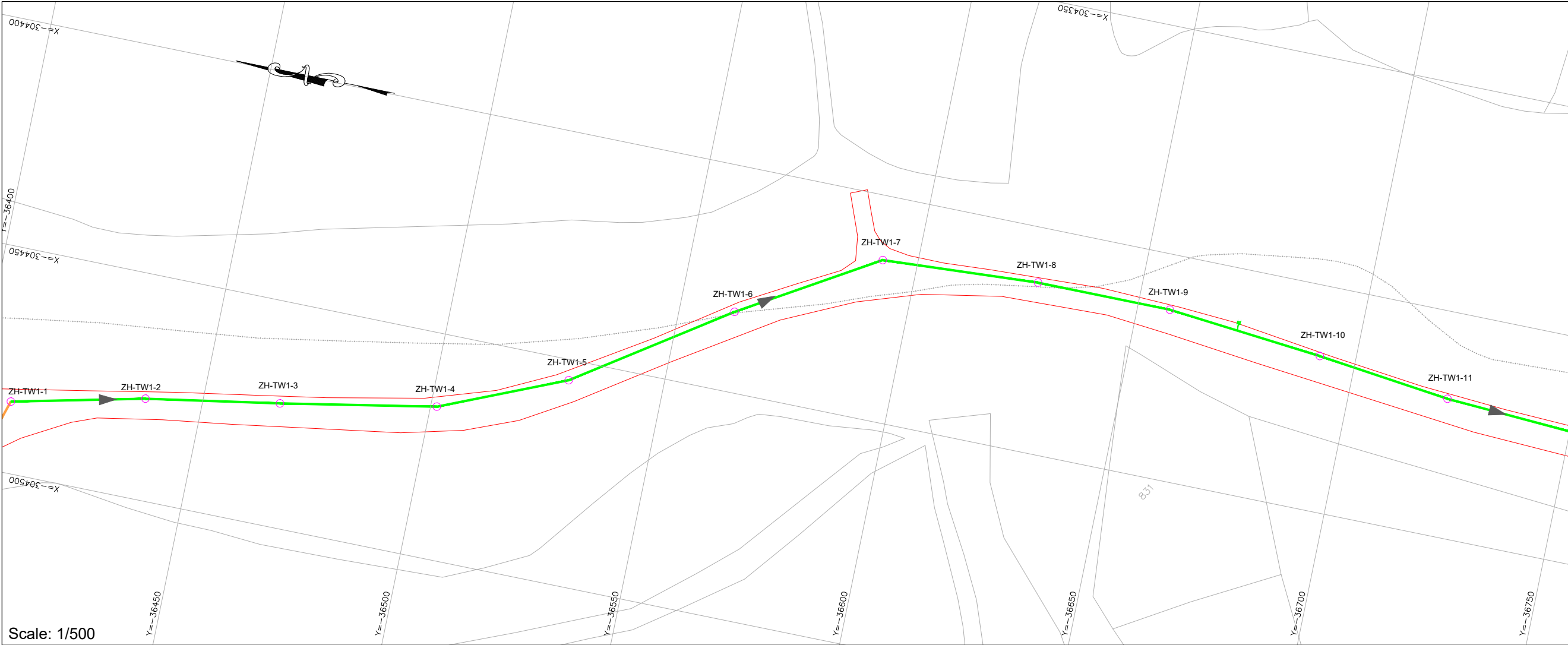
- PROFILE LEGEND:
- PROJECT LEVEL
 - PIPE LAYOUT
 - MANHOLE
 - EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER



MANHOLE No.		15	16	17	18	19	20	21	22	23-EX
GROUND LEVEL (m)		1312.98	1310.52	1307.90	1304.69	1301.87	1297.54	1294.49	1292.92	1292.20
INVERT LEVEL (m)		1311.73	1309.27	1306.70	1303.44	1300.62	1296.34	1293.24	1291.67	1290.95
DEPTH TO INVERT LEVEL (m)		1.25	1.25	1.20	1.25	1.25	1.20	1.25	1.25	1.25
PARTIAL DISTANCE (m)		365.0	395.0	425.0	455.0	475.0	505.0	535.0	560.0	577.3
ACCUMULATED DISTANCE (m)			30.00	30.00	20.00	30.00	30.00	25.00	17.34	
SLOPE %		-8.20%	-8.73%	-10.70%	-14.10%	-14.43%	-10.17%	-6.28%	-4.15%	
DIAMETER OF PIPE (mm)		200	200	200	200	200	200	200	200	

Scale: 1/1000

01		
Rev.	DESCRIPTION	DATE
FUNDING AGENT:		
CLIENT:		
CONSULTANT:		
Project Name: P-2111D		
COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)		
Drawing Title:		
WASTEWATER NETWORK ZAHLE PLAN VIEW & LONGITUDINAL PROFILE LINE ZH-TW SHEET (02 OF 02)		
Dwg No.: P-2111D-P1-WW-PLP-226		Rev No.: 00
Date:	SEPTEMBER-2026	Scale: A.S.
Drawn	Designed	Checked
O.D	M.N	R.S
		Approved
		G.K.



Scale: 1/500

- NOTES:
- 1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2- DIMENSIONS MUST NOT BE SCALED ON THIS DRAWING.
 - 3- THE LENGTH OF PIPE IS MEASURED FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE.
 - 4- PROVIDE CONCRETE PROTECTION FOR PIPES ACCORDING TO DRAWING OR WHERE REQUIRED BY THE ENGINEER.
 - 5- FINAL LOCATION OF MANHOLES AND PIPES ARE TO BE DETERMINED ON SITE AND SHALL BE APPROVED BY THE ENGINEER TO SUIT EXISTING SERVICES.
 - 6- PIPES ROUTE MUST BE LOCATED EXCLUSIVELY IN PUBLIC DOMAIN.

- PLAN LEGEND:
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- PROJECT LEVEL
 - PIPE LAYOUT
 - MANHOLE
 - EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER

01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

CONSULTANT:



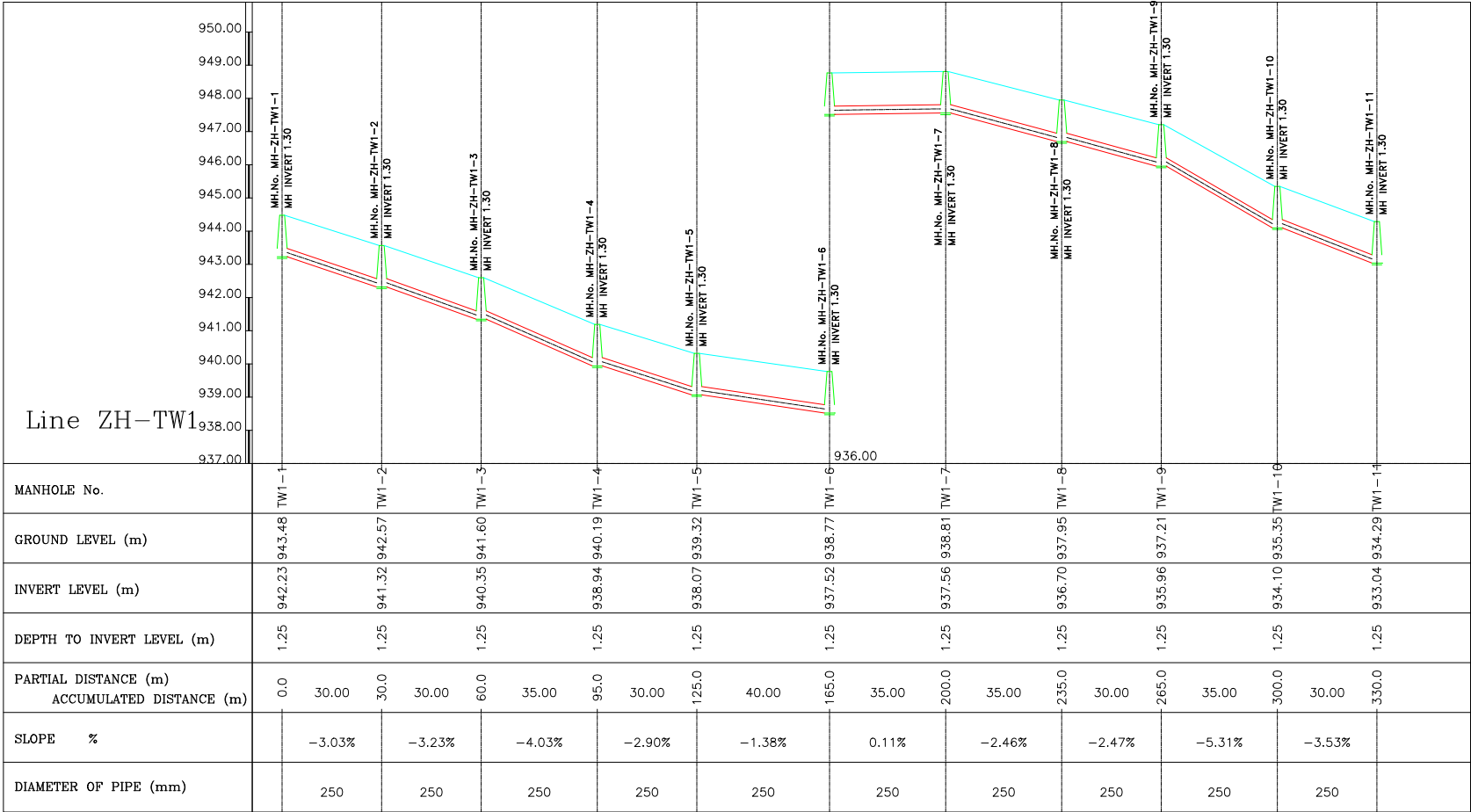
Project Name: P-2111D

COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

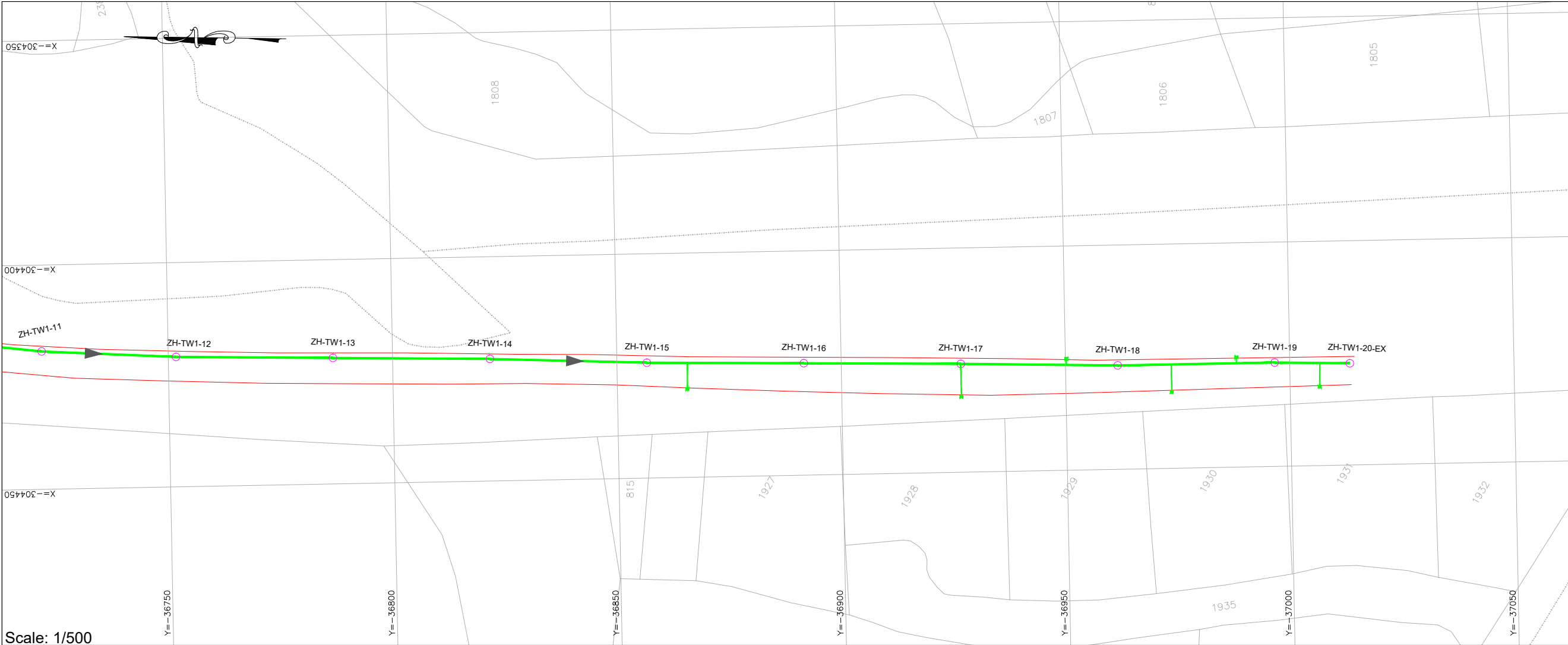
Drawing Title:

WASTEWATER NETWORK
ZAHLE
PLAN VIEW & LONGITUDINAL PROFILE
LINE ZH-TW1
SHEET (01 OF 02)

Dwg No.: P-2111D-P1-WW-PLP-227			Rev No.: 00
Date: SEPTEMBER-2026			Scale: A.S.
Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.



Scale: 1/1000



Scale: 1/500

- NOTES:
- 1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2- DIMENSIONS MUST NOT BE SCALED ON THIS DRAWING.
 - 3- THE LENGTH OF PIPE IS MEASURED FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE.
 - 4- PROVIDE CONCRETE PROTECTION FOR PIPES ACCORDING TO DRAWING OR WHERE REQUIRED BY THE ENGINEER.
 - 5- FINAL LOCATION OF MANHOLES AND PIPES ARE TO BE DETERMINED ON SITE AND SHALL BE APPROVED BY THE ENGINEER TO SUIT EXISTING SERVICES.
 - 6- PIPES ROUTE MUST BE LOCATED EXCLUSIVELY IN PUBLIC DOMAIN.

- PLAN LEGEND:
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- PROJECT LEVEL
 - PIPE LAYOUT
 - MANHOLE
 - EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER

01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

CONSULTANT:



Project Name: P-2111D

COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

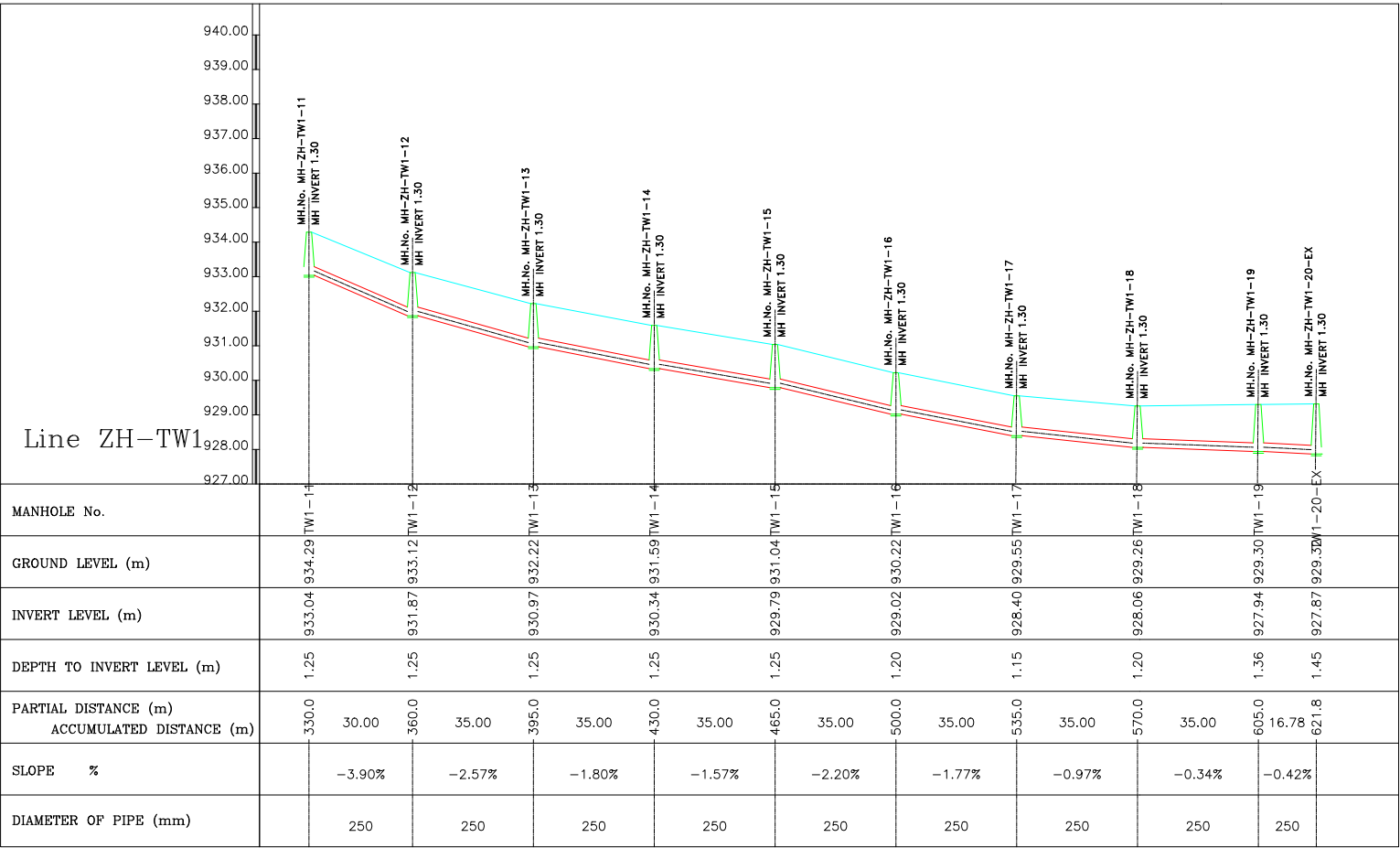
Drawing Title:

WASTEWATER NETWORK
ZAHLE
PLAN VIEW & LONGITUDINAL PROFILE
LINE ZH-TW1
SHEET (02 OF 02)

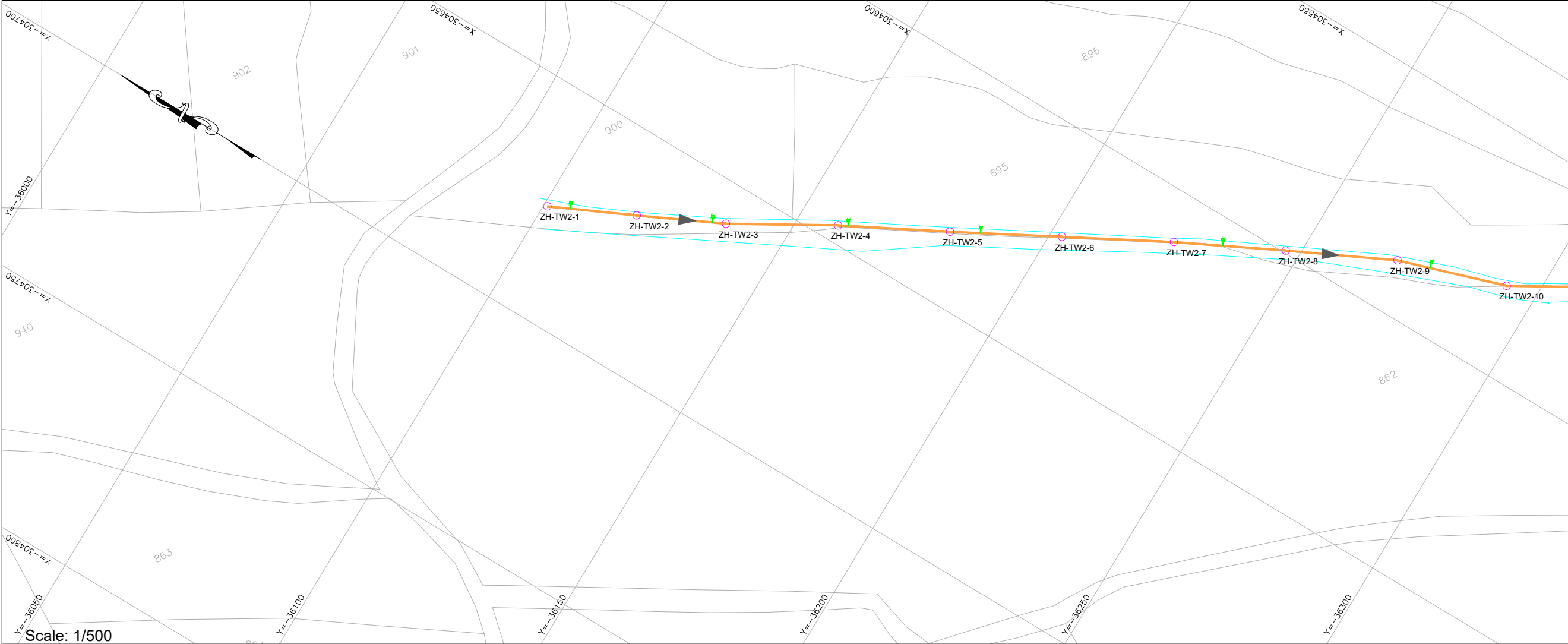
Dwg No.: P-2111D-P1-WW-PLP-228 Rev No.: 00

Date: SEPTEMBER-2026 Scale: A.S.

Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.



Scale: 1/1000



Scale: 1/500

- NOTES:
- 1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2- DIMENSIONS MUST NOT BE SCALED ON THIS DRAWING.
 - 3- THE LENGTH OF PIPE IS MEASURED FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE.
 - 4- PROVIDE CONCRETE PROTECTION FOR PIPES ACCORDING TO DRAWING OR WHERE REQUIRED BY THE ENGINEER.
 - 5- FINAL LOCATION OF MANHOLES AND PIPES ARE TO BE DETERMINED ON SITE AND SHALL BE APPROVED BY THE ENGINEER TO SUIT EXISTING SERVICES.
 - 6- PIPES ROUTE MUST BE LOCATED EXCLUSIVELY IN PUBLIC DOMAIN.

- PLAN LEGEND:
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- PROJECT LEVEL
 - PIPE LAYOUT
 - MANHOLE
 - EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER

01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

CONSULTANT:



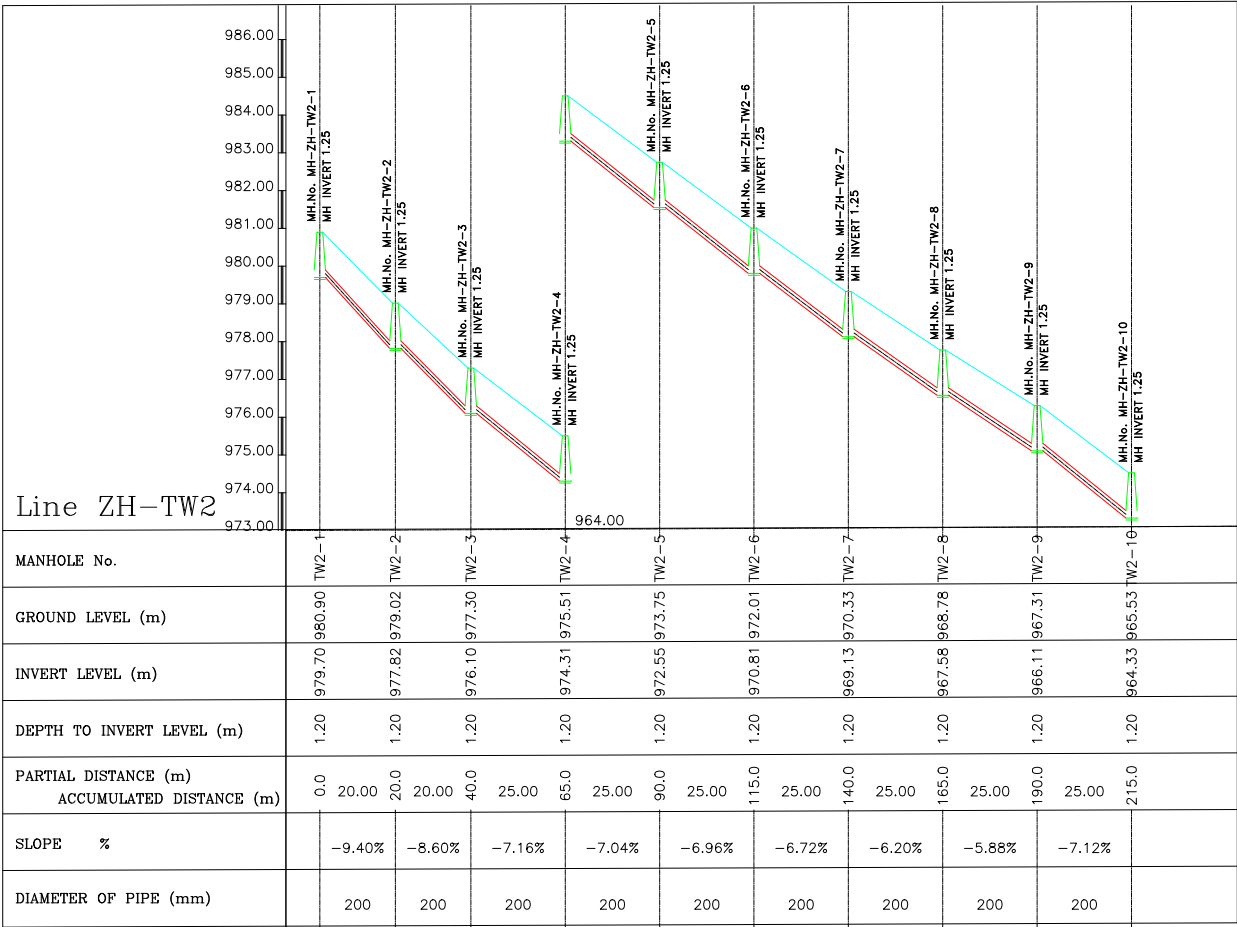
Project Name: P-2111D

COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

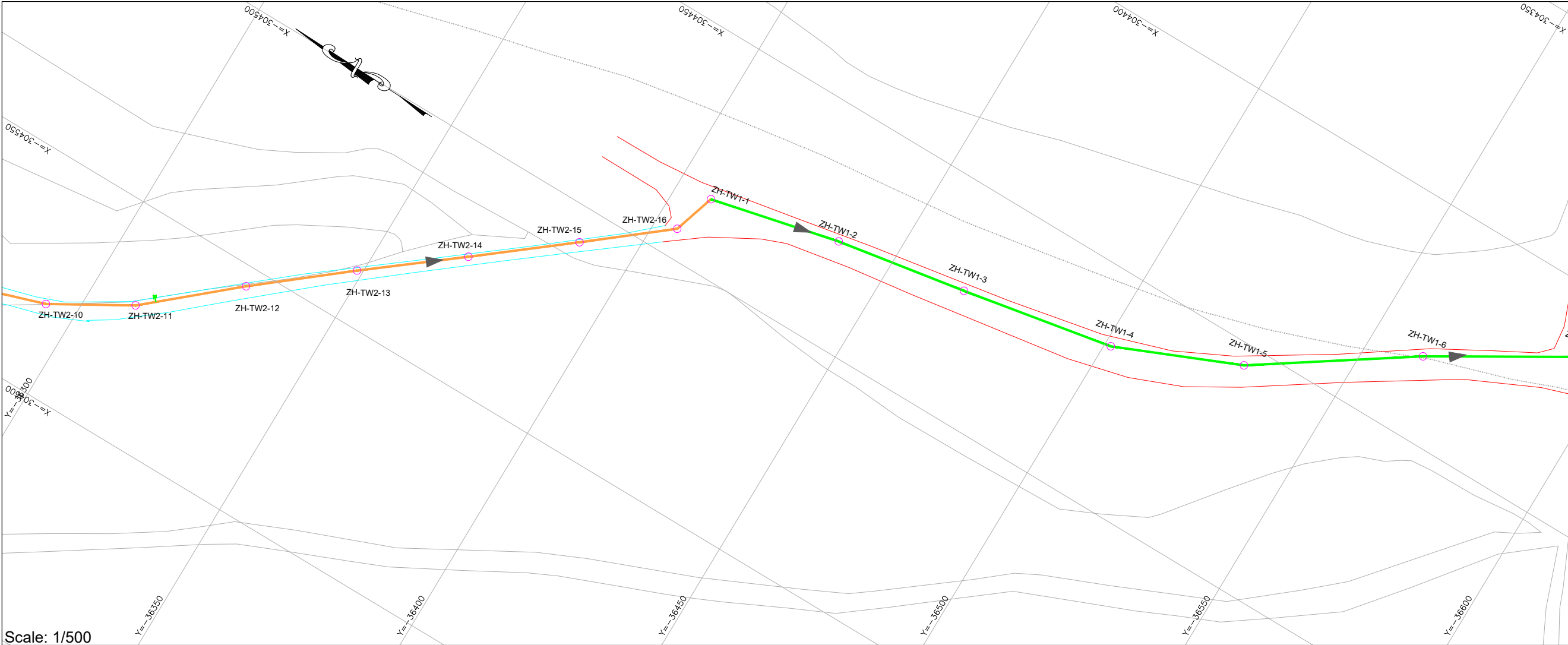
Drawing Title:

WASTEWATER NETWORK
ZAHLE
PLAN VIEW & LONGITUDINAL PROFILE
LINE ZH-TW2
SHEET (01 OF 02)

Dwg No.: P-2111D-P1-WW-PLP-229			Rev No.: 00
Date: SEPTEMBER-2026			Scale: A.S.
Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.



Scale: 1/1000

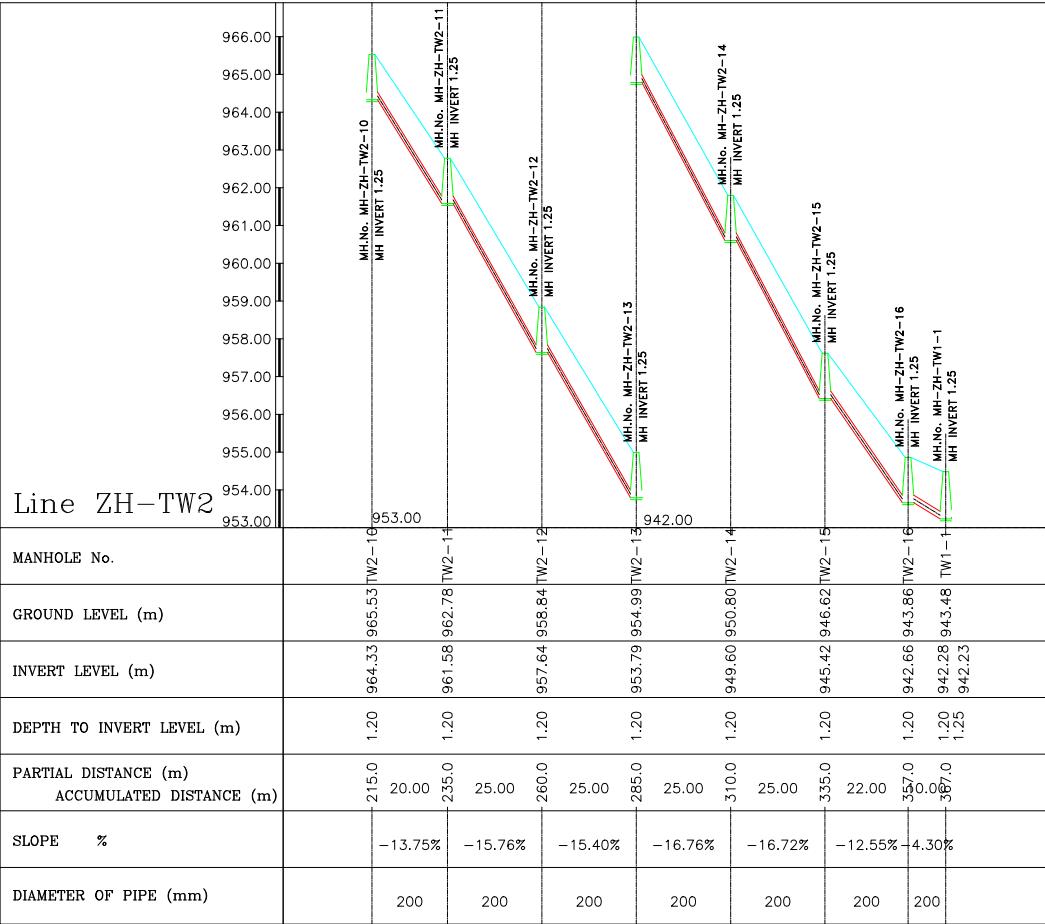


Scale: 1/500

- NOTES:
- 1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2- DIMENSIONS MUST NOT BE SCALED ON THIS DRAWING.
 - 3- THE LENGTH OF PIPE IS MEASURED FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE.
 - 4- PROVIDE CONCRETE PROTECTION FOR PIPES ACCORDING TO DRAWING OR WHERE REQUIRED BY THE ENGINEER.
 - 5- FINAL LOCATION OF MANHOLES AND PIPES ARE TO BE DETERMINED ON SITE AND SHALL BE APPROVED BY THE ENGINEER TO SUIT EXISTING SERVICES.
 - 6- PIPES ROUTE MUST BE LOCATED EXCLUSIVELY IN PUBLIC DOMAIN.

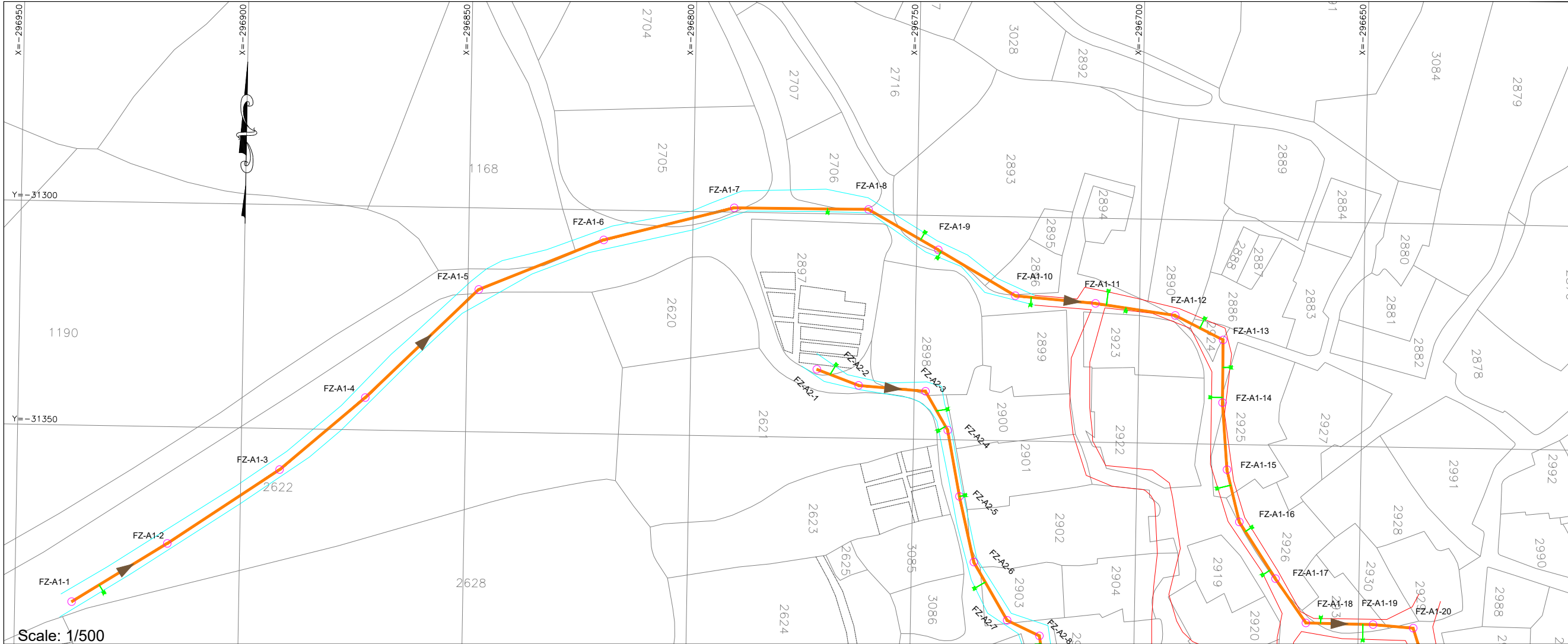
- PLAN LEGEND:
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER



Scale: 1/1000

01		
Rev.	DESCRIPTION	DATE
FUNDING AGENT:		
		
CLIENT:		
 COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION		
CONSULTANT:		
		
Project Name: P-2111D		
COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)		
Drawing Title:		
WASTEWATER NETWORK ZAHLE PLAN VIEW & LONGITUDINAL PROFILE LINE ZH-TW2 SHEET (02 OF 02)		
Dwg No.: P-2111D-P1-WW-PLP-230		Rev No.: 00
Date:	SEPTEMBER-2026	Scale: A.S.
Drawn	Designed	Checked
O.D	M.N	R.S
		Approved
		G.K.



NOTES:

1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.

2- DIMENSIONS MUST NOT BE SCALED ON THIS DRAWING.

3- THE LENGTH OF PIPE IS MEASURED FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE.

4- PROVIDE CONCRETE PROTECTION FOR PIPES ACCORDING TO DRAWING OR WHERE REQUIRED BY THE ENGINEER.

5- FINAL LOCATION OF MANHOLES AND PIPES ARE TO BE DETERMINED ON SITE AND SHALL BE APPROVED BY THE ENGINEER TO SUIT EXISTING SERVICES.

6- PIPES ROUTE MUST BE LOCATED EXCLUSIVELY IN PUBLIC DOMAIN.

PLAN LEGEND:

PROPOSED WASTEWATER UPVC PIPE-200mm

PROPOSED WASTEWATER UPVC PIPE-250mm

PROPOSED WASTEWATER UPVC PIPE-300mm

PROPOSED WASTEWATER CONCRETE PIPE-500mm

PROPOSED WASTEWATER CONCRETE PIPE-600mm

PROPOSED WASTEWATER MANHOLE

PROPOSED HOUSE CONNECTION

PROFILE LEGEND:

PROJECT LEVEL

PIPE LAYOUT

MANHOLE

EXISTING PAVED ROAD

EXISTING CONCRETE ROAD

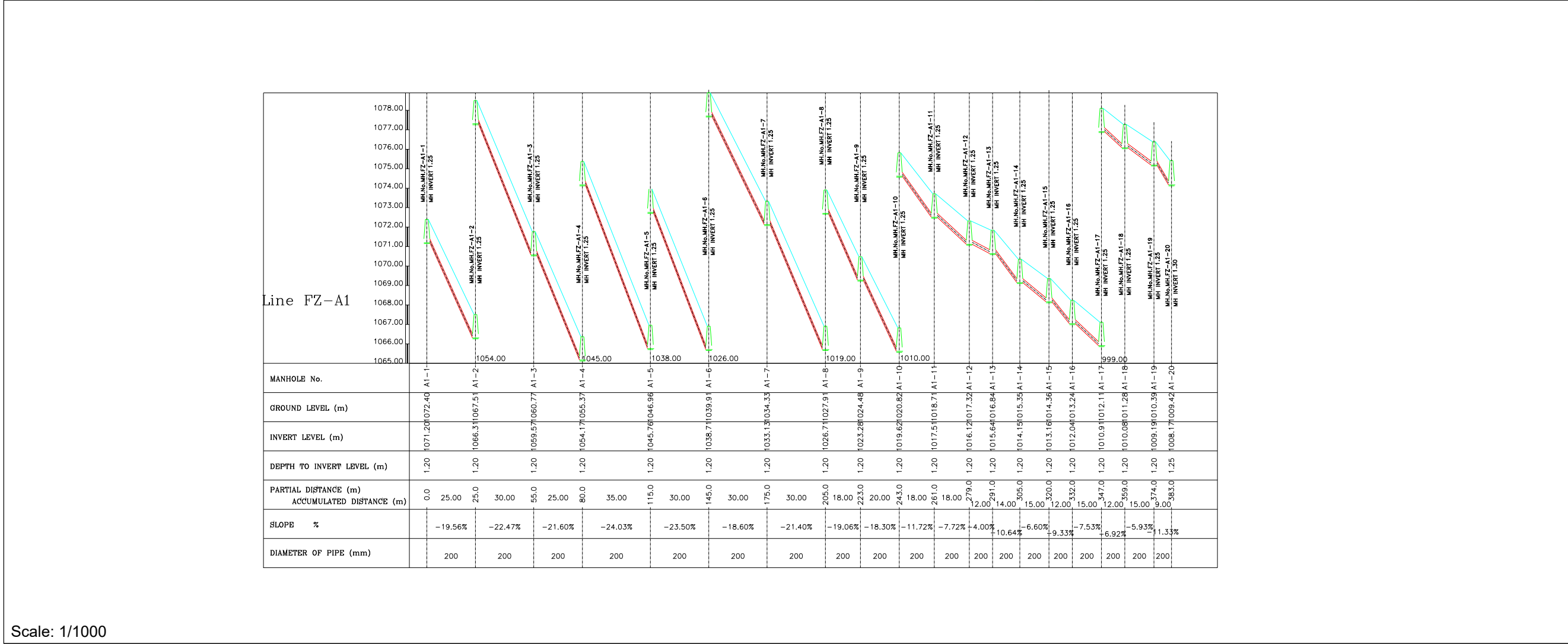
EXISTING DIRT ROAD

EXISTING CHANNEL

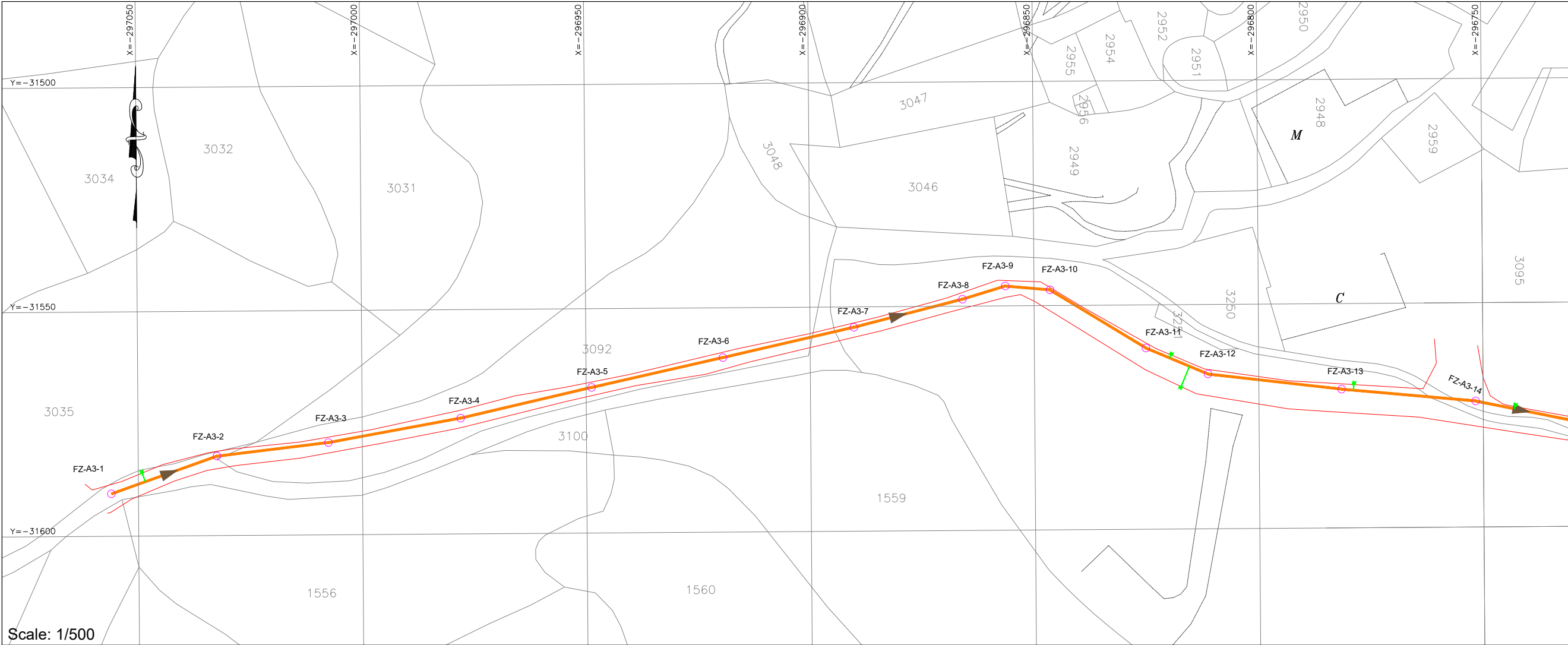
EXISTING FENCE

EXISTING GULLY

RIVER



01		
Rev.	DESCRIPTION	DATE
FUNDING AGENT:		
CLIENT:		
CONSULTANT:		
Project Name: P-2111D		
COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)		
Drawing Title:		
WASTEWATER NETWORK FERZOL PLAN VIEW & LONGITUDINAL PROFILE LINE FZ-A1 SHEET (01 OF 02)		
Dwg No.: P-2111D-P1-WW-PLP-231		Rev No.: 00
Date:	SEPTEMBER-2026	Scale: A.S.
Drawn	Designed	Checked
O.D	M.N	R.S
		Approved
		G.K.



- NOTES:
- 1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2- DIMENSIONS MUST NOT BE SCALED ON THIS DRAWING.
 - 3- THE LENGTH OF PIPE IS MEASURED FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE.
 - 4- PROVIDE CONCRETE PROTECTION FOR PIPES ACCORDING TO DRAWING OR WHERE REQUIRED BY THE ENGINEER.
 - 5- FINAL LOCATION OF MANHOLES AND PIPES ARE TO BE DETERMINED ON SITE AND SHALL BE APPROVED BY THE ENGINEER TO SUIT EXISTING SERVICES.
 - 6- PIPES ROUTE MUST BE LOCATED EXCLUSIVELY IN PUBLIC DOMAIN.

- PLAN LEGEND:
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- PROJECT LEVEL
 - PIPE LAYOUT
 - MANHOLE
 - EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER

01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

CONSULTANT:



Project Name: P-2111D

COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

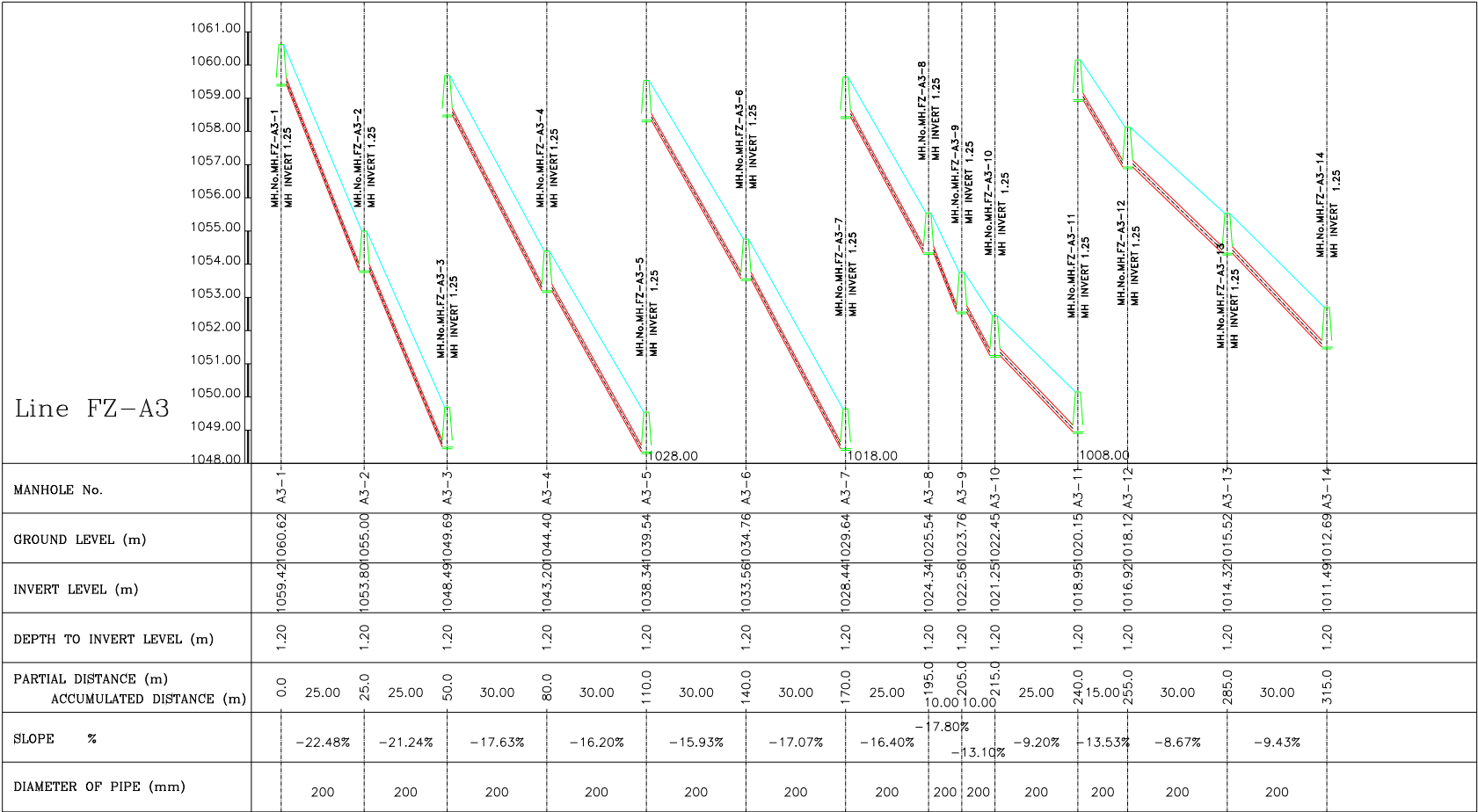
Drawing Title:

WASTEWATER NETWORK
FERZOL
PLAN VIEW & LONGITUDINAL PROFILE
LINE FZ-A3
SHEET (01 OF 02)

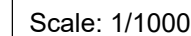
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Date: SEPTEMBER-2026 Scale: A.S.

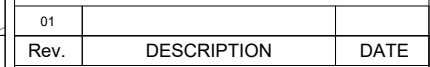
Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.



Scale: 1/1000



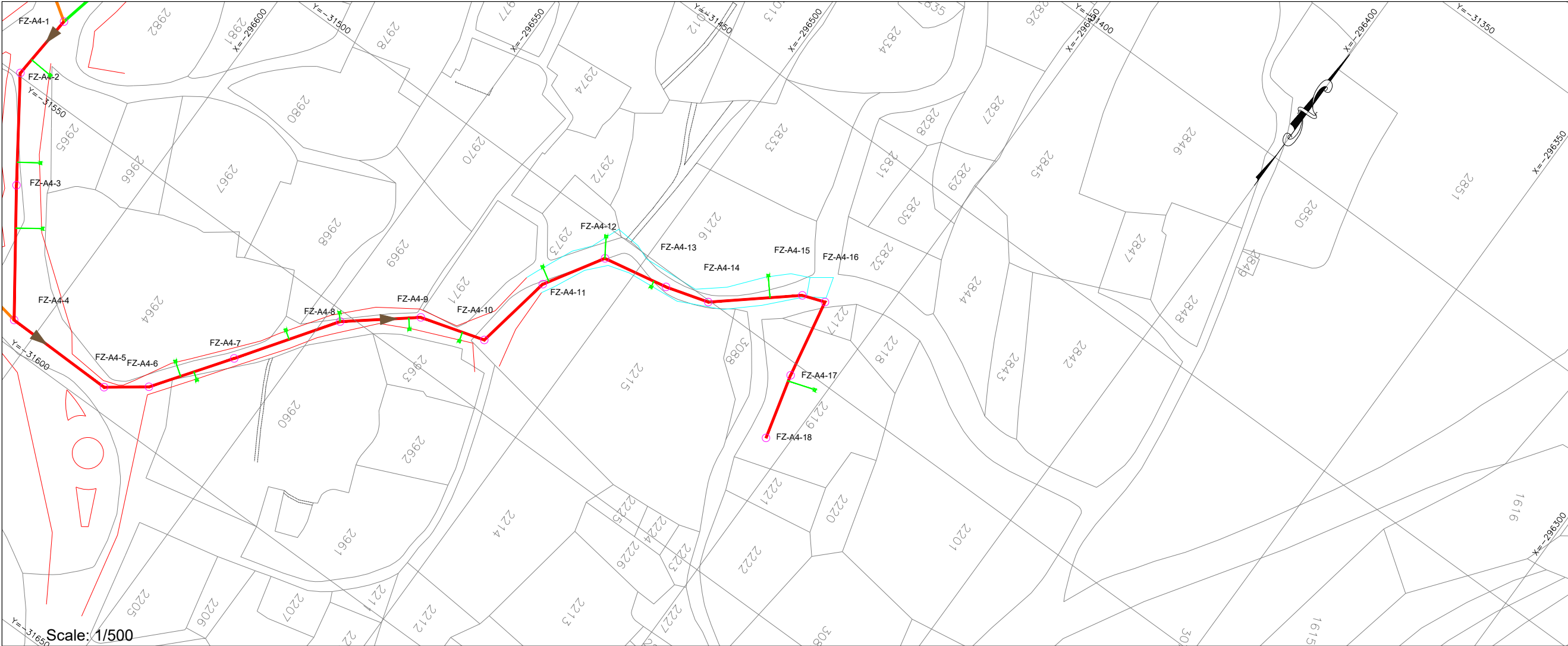
- PLAN LEGEND:**
- | | |
|---|--|
|  | PROPOSED WASTEWATER UPVC
PIPE-200mm |
|  | PROPOSED WASTEWATER UPVC
PIPE-250mm |
|  | PROPOSED WASTEWATER UPVC
PIPE-300mm |
|  | PROPOSED WASTEWATER CONCRETE
PIPE-500mm |
|  | PROPOSED WASTEWATER CONCRETE
PIPE-600mm |
|  | PROPOSED WASTEWATER MANHOLE |
|  | PROPOSED HOUSE CONNECTION |

 THE WORLD BANK

COMPLEMENTARY WORKS FOR THE
EXPANSION OF THE SEWAGE COLLECTION
NETWORK TO CONNECT TO THE ZAHLE
WASTEWATER TREATMENT PLANT AND
AITANIT WASTEWATER TREATMENT PLANT
(GC2W2C)

WASTEWATER NETWORK
FERZOL
PLAN VIEW & LONGITUDINAL PROFILE
LINE FZ-A3
SHEET (02 OF 02)

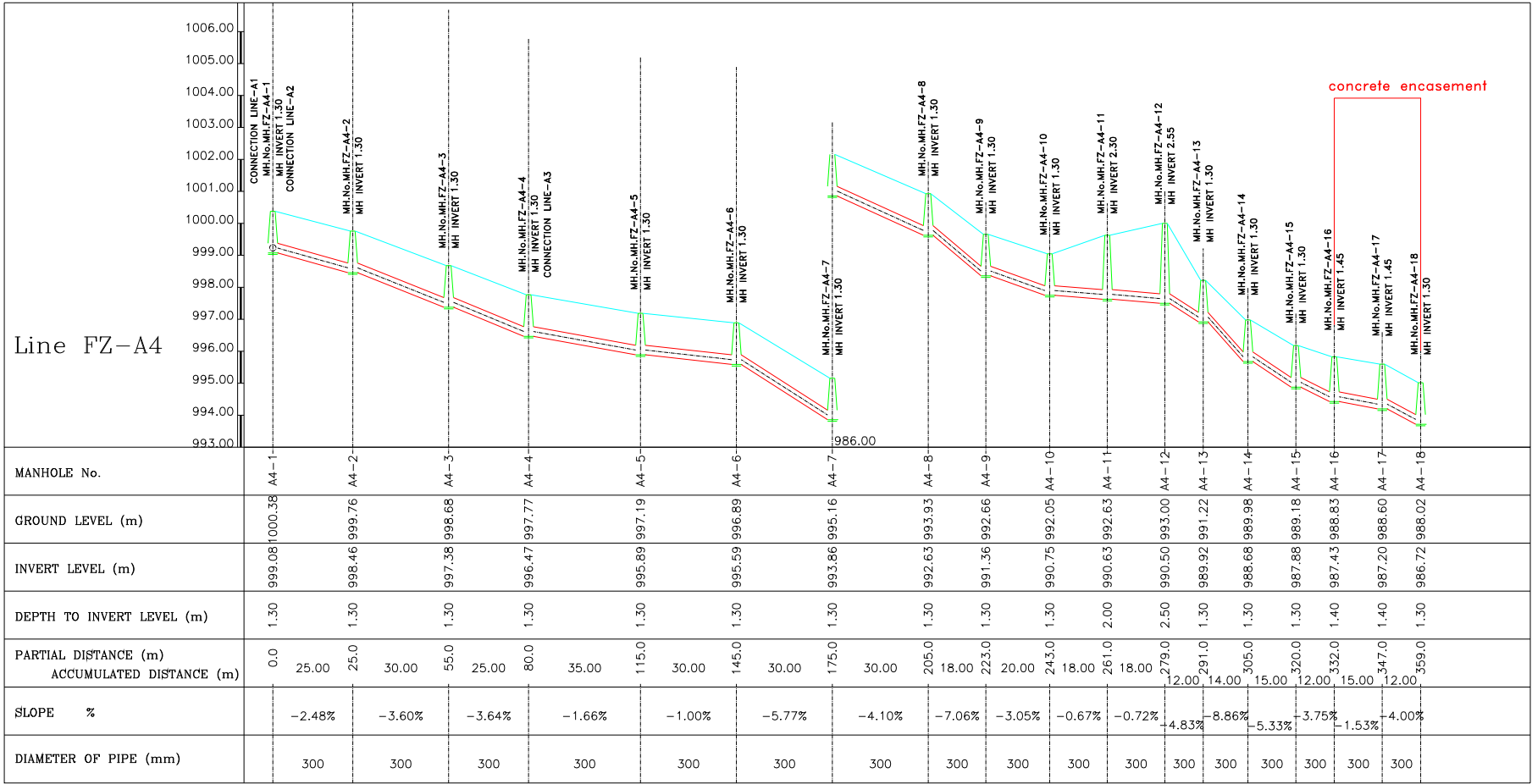
Dwg No.: P-2111D-P1-WW-PLP-235			Rev No.: 00
Date: SEPTEMBER-2026			Scale: A.S.
Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.



- NOTES:
- 1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2- DIMENSIONS MUST NOT BE SCALED ON THIS DRAWING.
 - 3- THE LENGTH OF PIPE IS MEASURED FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE.
 - 4- PROVIDE CONCRETE PROTECTION FOR PIPES ACCORDING TO DRAWING OR WHERE REQUIRED BY THE ENGINEER.
 - 5- FINAL LOCATION OF MANHOLES AND PIPES ARE TO BE DETERMINED ON SITE AND SHALL BE APPROVED BY THE ENGINEER TO SUIT EXISTING SERVICES.
 - 6- PIPES ROUTE MUST BE LOCATED EXCLUSIVELY IN PUBLIC DOMAIN.

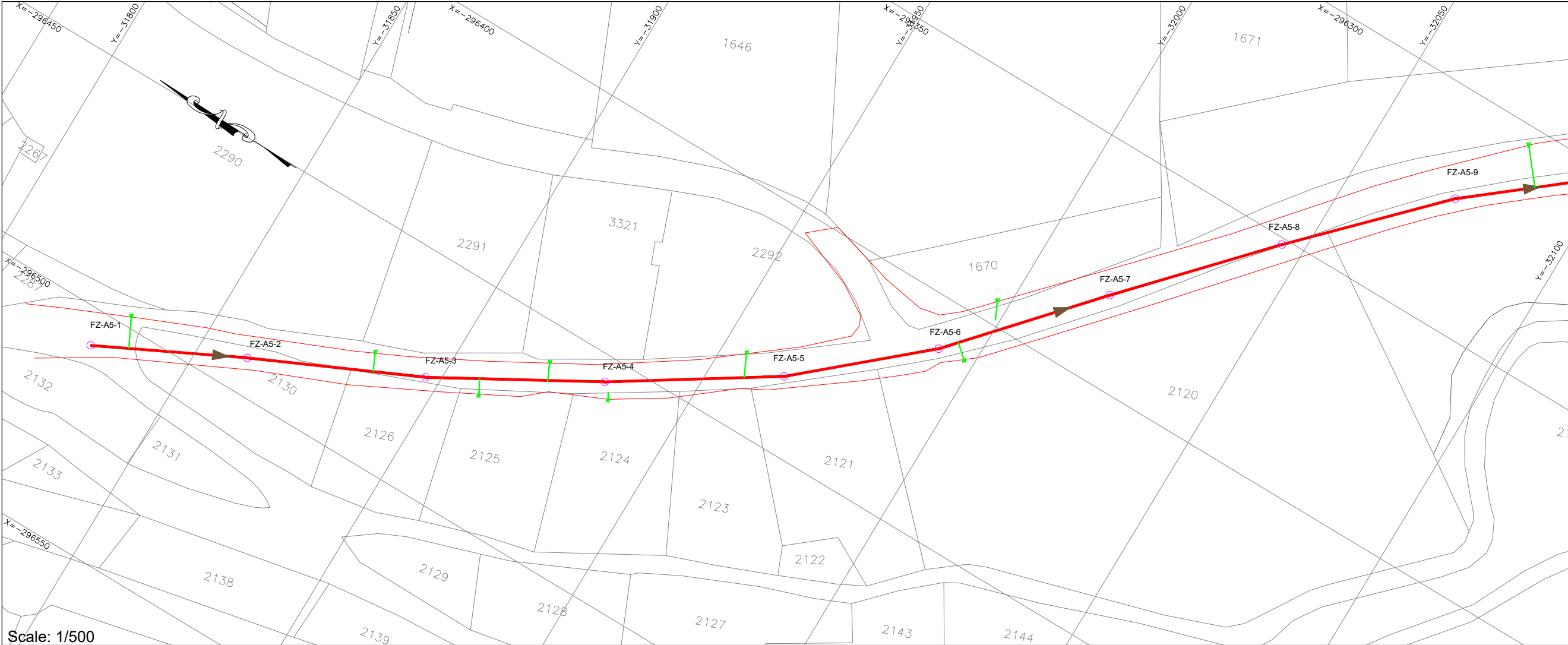
- PLAN LEGEND:
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER



Scale: 1/1000

01		
Rev.	DESCRIPTION	DATE
FUNDING AGENT:		
CLIENT:		
CONSULTANT:		
Project Name: P-2111D		
COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)		
Drawing Title:		
WASTEWATER NETWORK FERZOL PLAN VIEW & LONGITUDINAL PROFILE LINE FZ-A4		
Dwg No.: P-2111D-P1-WW-PLP-236		Rev No.: 00
Date: SEPTEMBER-2026	Scale: A.S.	
Drawn	Designed	Checked
O.D	M.N	R.S
		Approved
		G.K.

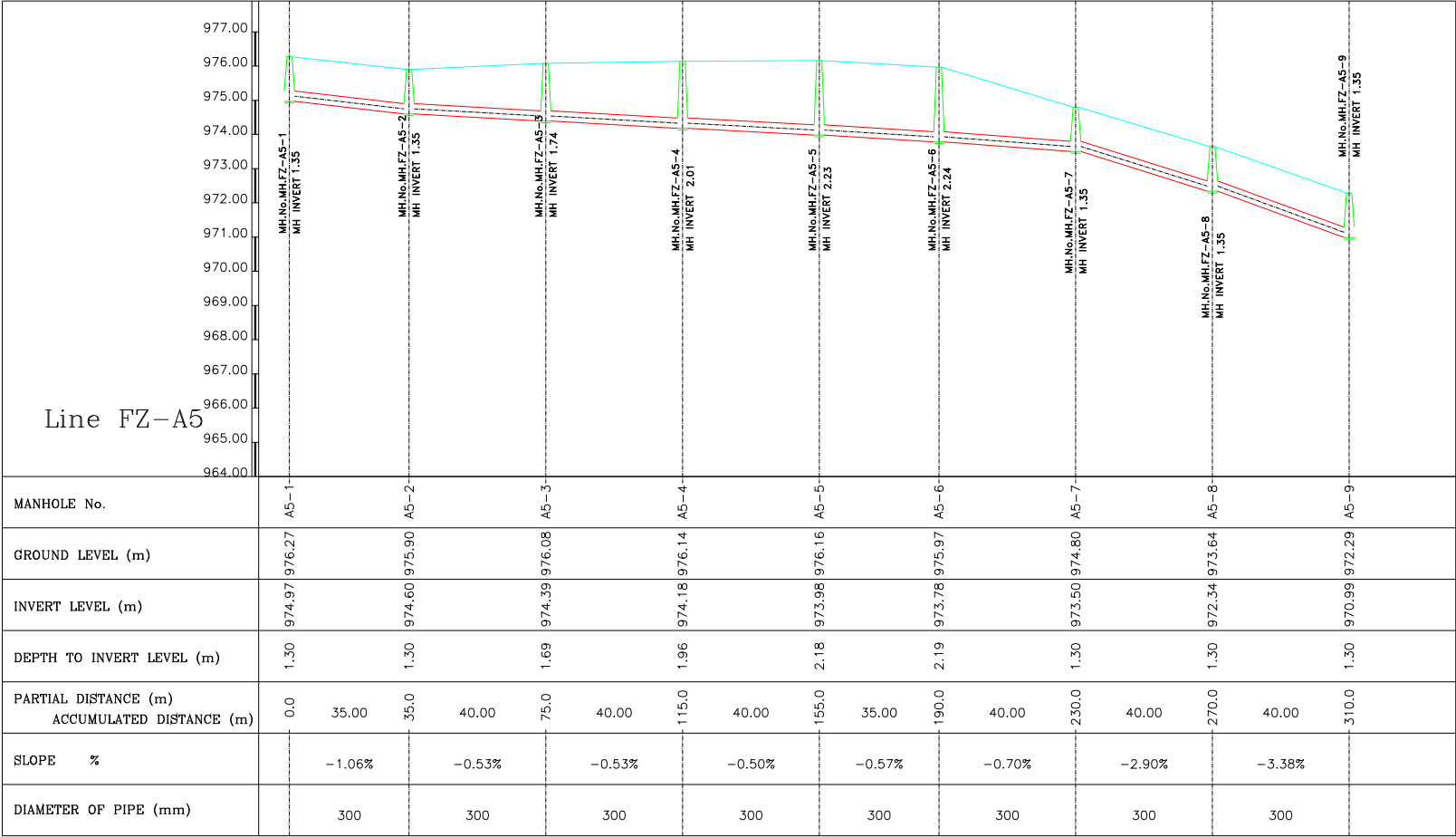


Scale: 1/500

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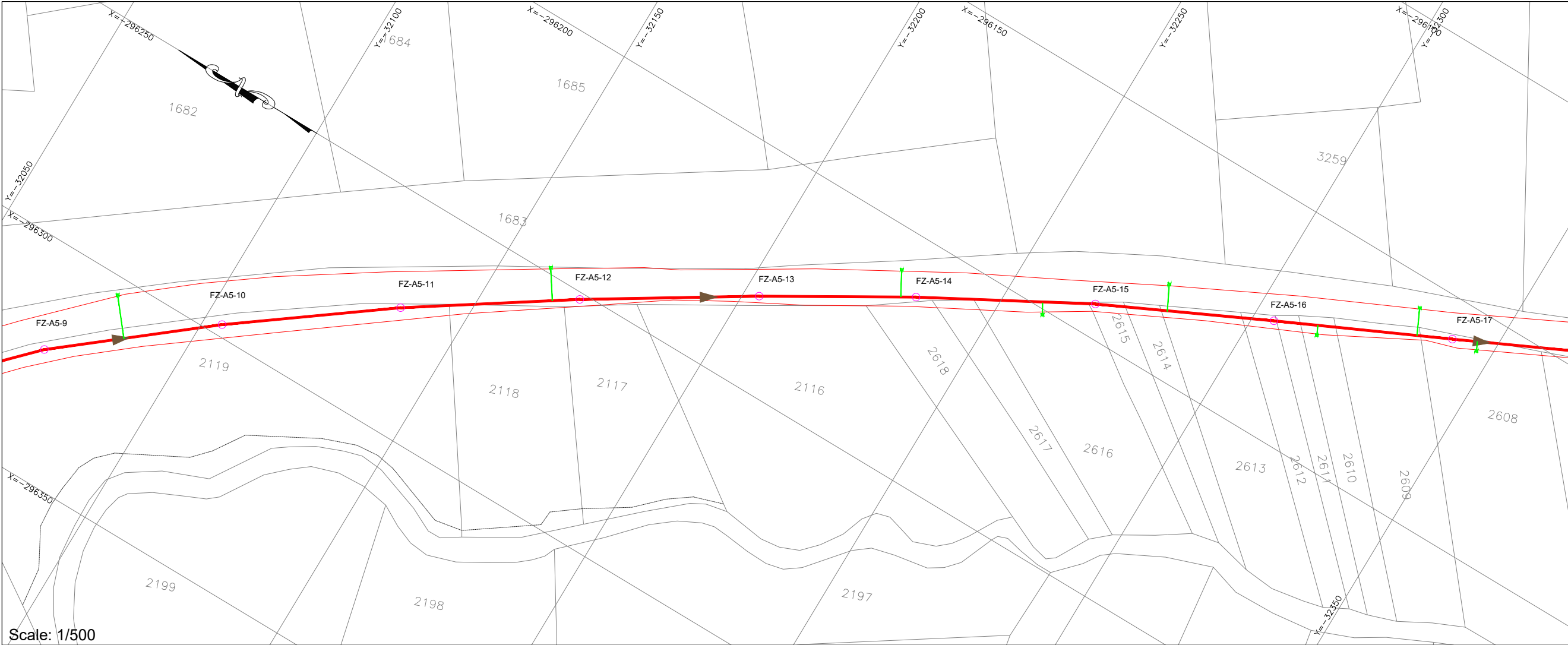
- PLAN LEGEND:**
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:**
- EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER



Scale: 1/1000

01			
Rev.	DESCRIPTION	DATE	
FUNDING AGENT:			
THE WORLD BANK			
CLIENT:			
 COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION			
CONSULTANT:			
			
Project Name: P-2111D			
COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)			
Drawing Title:			
WASTEWATER NETWORK FERZOL PLAN VIEW & LONGITUDINAL PROFILE LINE FZ-A5 SHEET (01 OF 03)			
Dwg No.: P-2111D-P1-WW-PLP-237		Rev No.: 00	
Date:	SEPTEMBER-2026	Scale: A.S.	
Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.



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- PLAN LEGEND:
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER

01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

CONSULTANT:



Project Name: P-2111D

COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

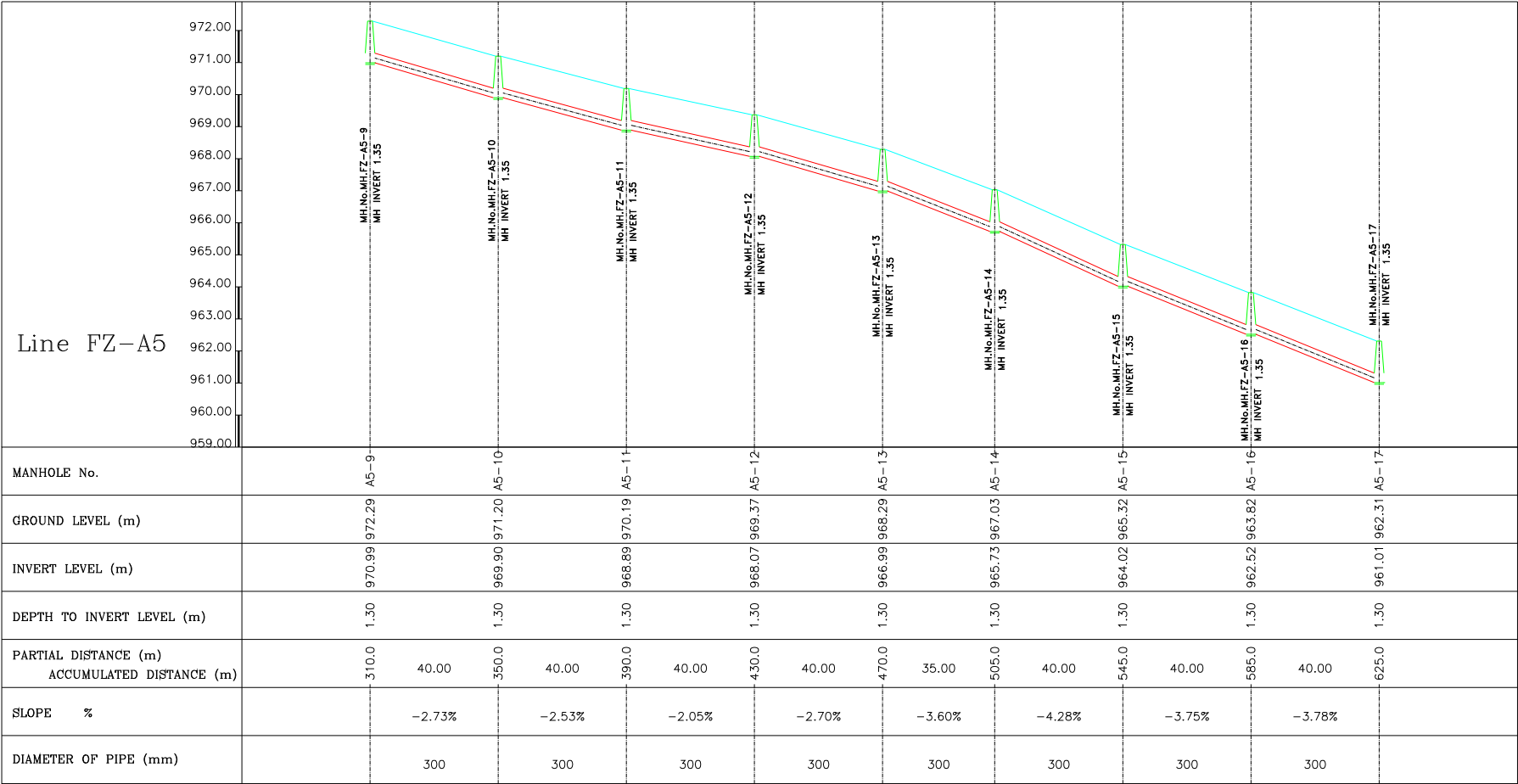
Drawing Title:

WASTEWATER NETWORK
FERZOL
PLAN VIEW & LONGITUDINAL PROFILE
LINE FZ-A5
SHEET (02 OF 03)

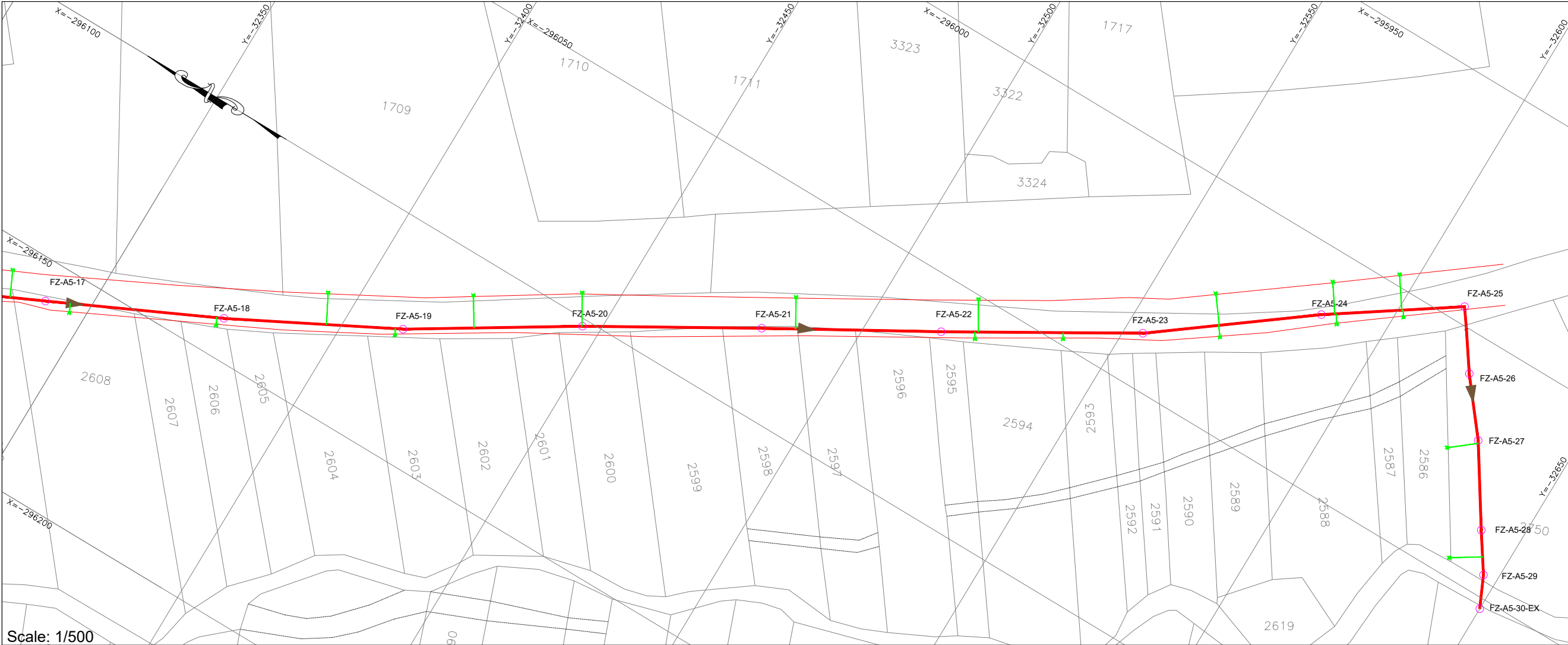
Dwg No.: P-2111D-P1-WW-PLP-238 Rev No.: 00

Date: SEPTEMBER-2026 Scale: A.S.

Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.



Scale: 1/1000

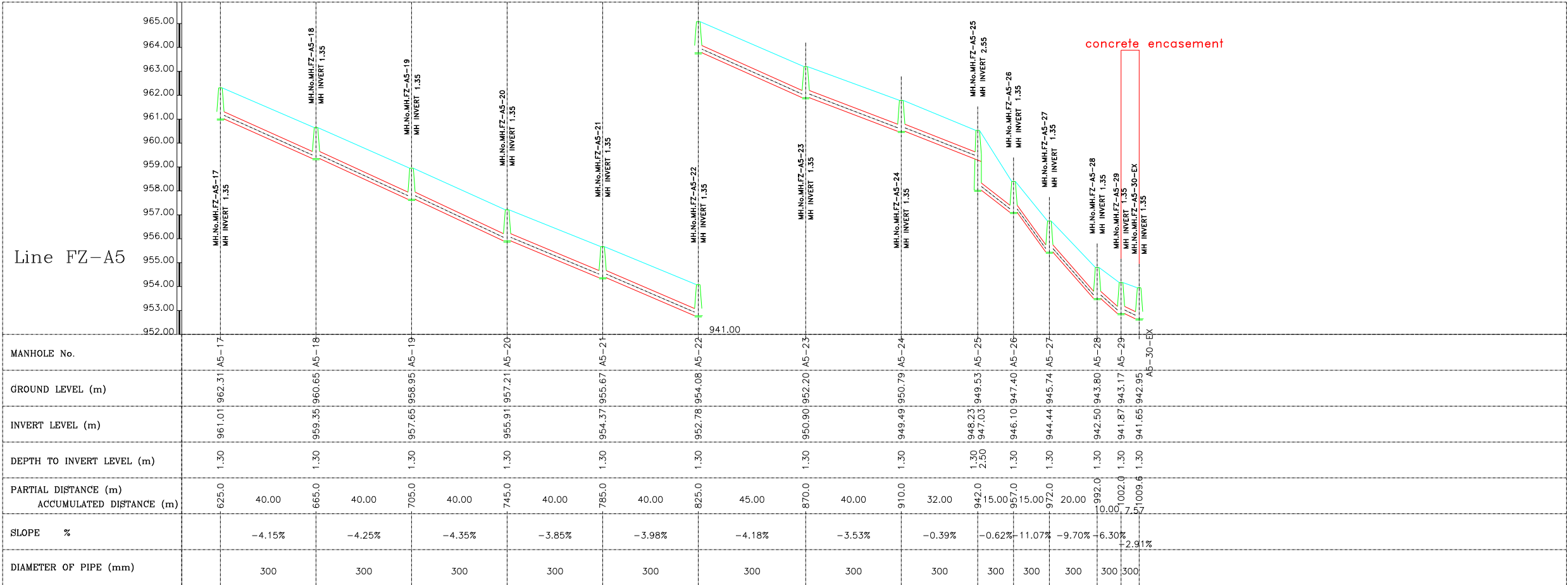


Scale: 1/500

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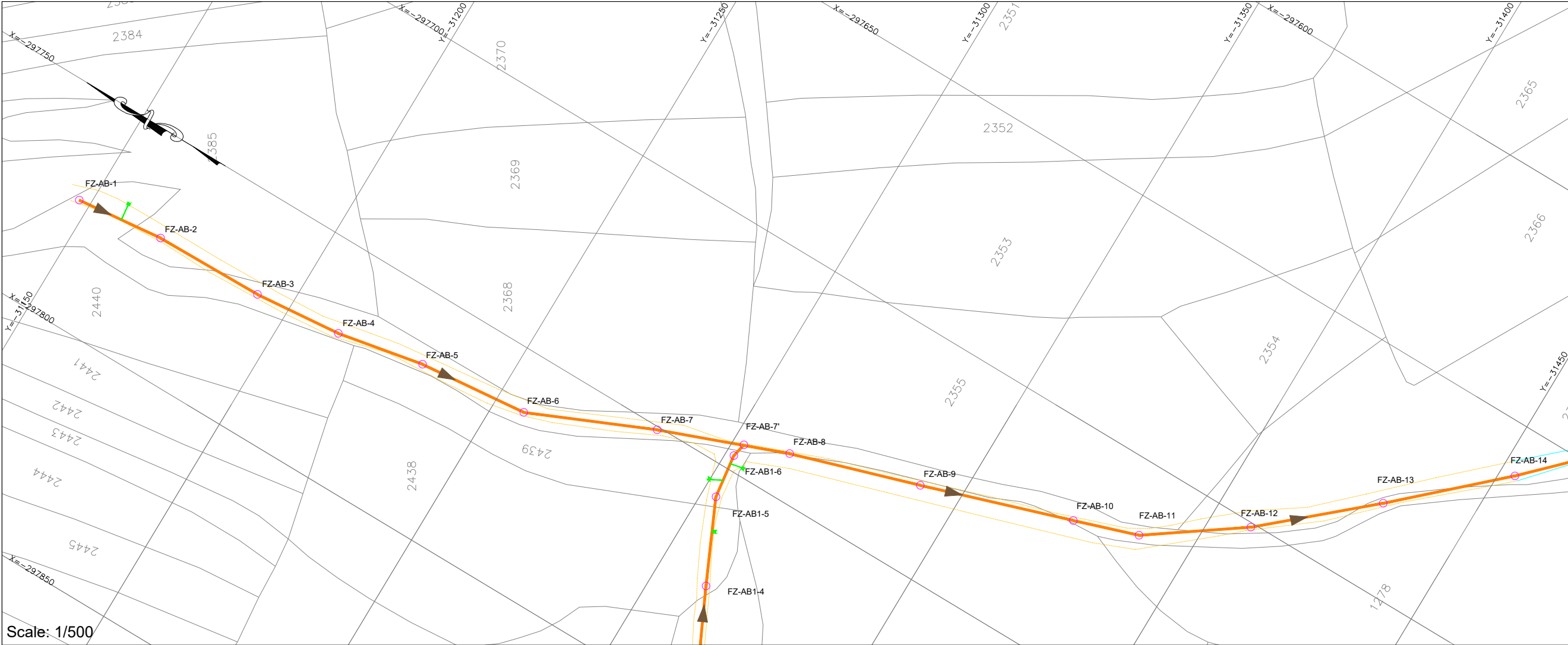
- PLAN LEGEND:**
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:**
- PROJECT LEVEL
 - PIPE LAYOUT
 - MANHOLE
 - EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER



Scale: 1/1000

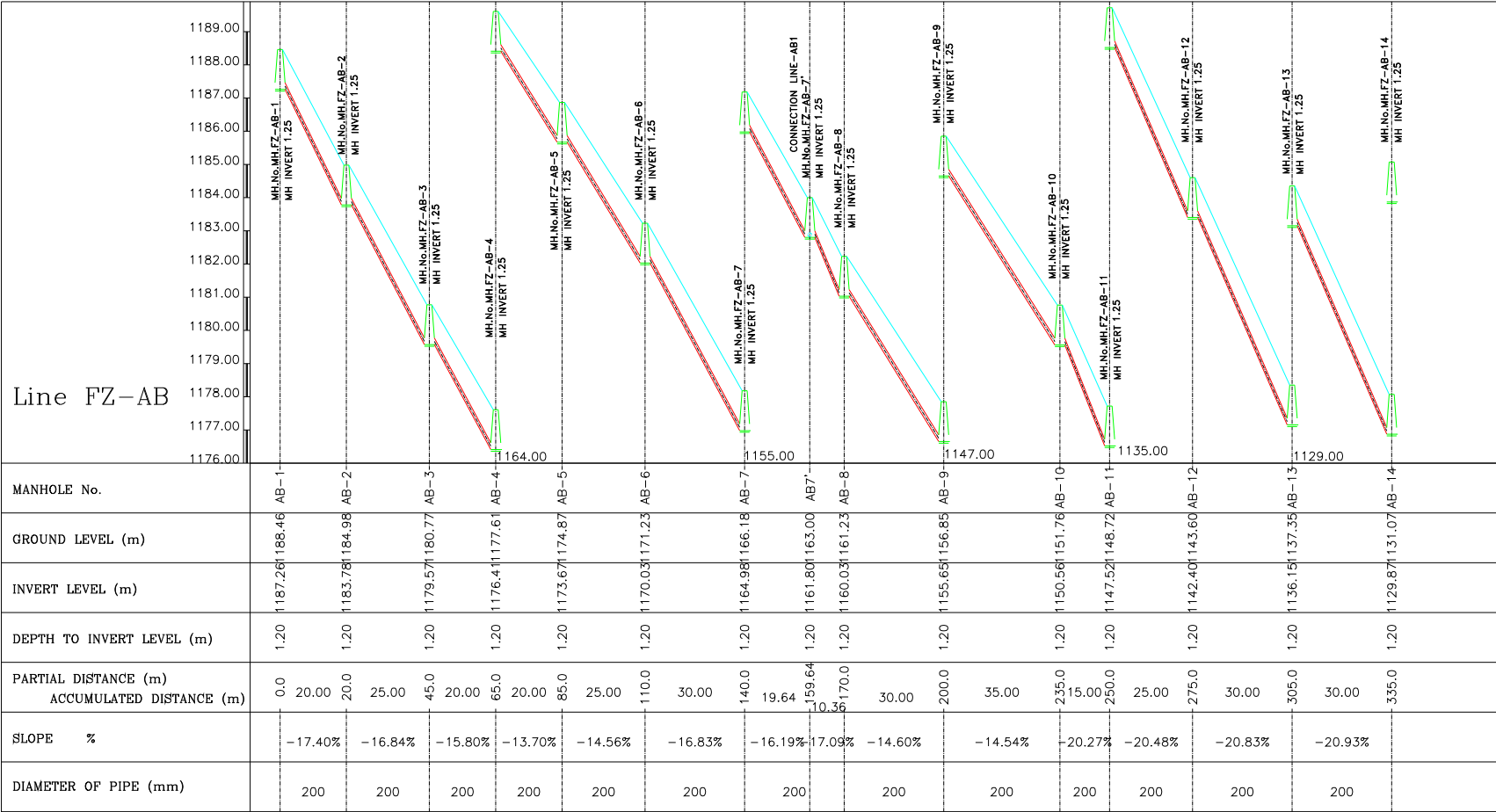
01		
Rev.	DESCRIPTION	DATE
FUNDING AGENT:		
THE WORLD BANK		
CLIENT:		
 COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION		
CONSULTANT:		
		
Project Name: P-2111D		
COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)		
Drawing Title:		
WASTEWATER NETWORK FERZOL PLAN VIEW & LONGITUDINAL PROFILE LINE FZ-A5 SHEET (03 OF 03)		
Dwg No.: P-2111D-P1-WW-PLP-239		Rev No.: 00
Date: SEPTEMBER-2026		Scale: A.S.
Drawn	Designed	Checked
O.D	M.N	R.S
		Approved
		G.K.



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- PLAN LEGEND:
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- PROJECT LEVEL
 - PIPE LAYOUT
 - MANHOLE
 - EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER



Scale: 1/1000

01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

CONSULTANT:



Project Name: P-2111D

COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

Drawing Title:

WASTEWATER NETWORK
FERZOL
PLAN VIEW & LONGITUDINAL PROFILE
LINE FZ-AB
SHEET (01 OF 04)

Dwg No.: P-2111D-P1-WW-PLP-240

Date: SEPTEMBER-2026

Rev No.: 00

Scale: A.S.

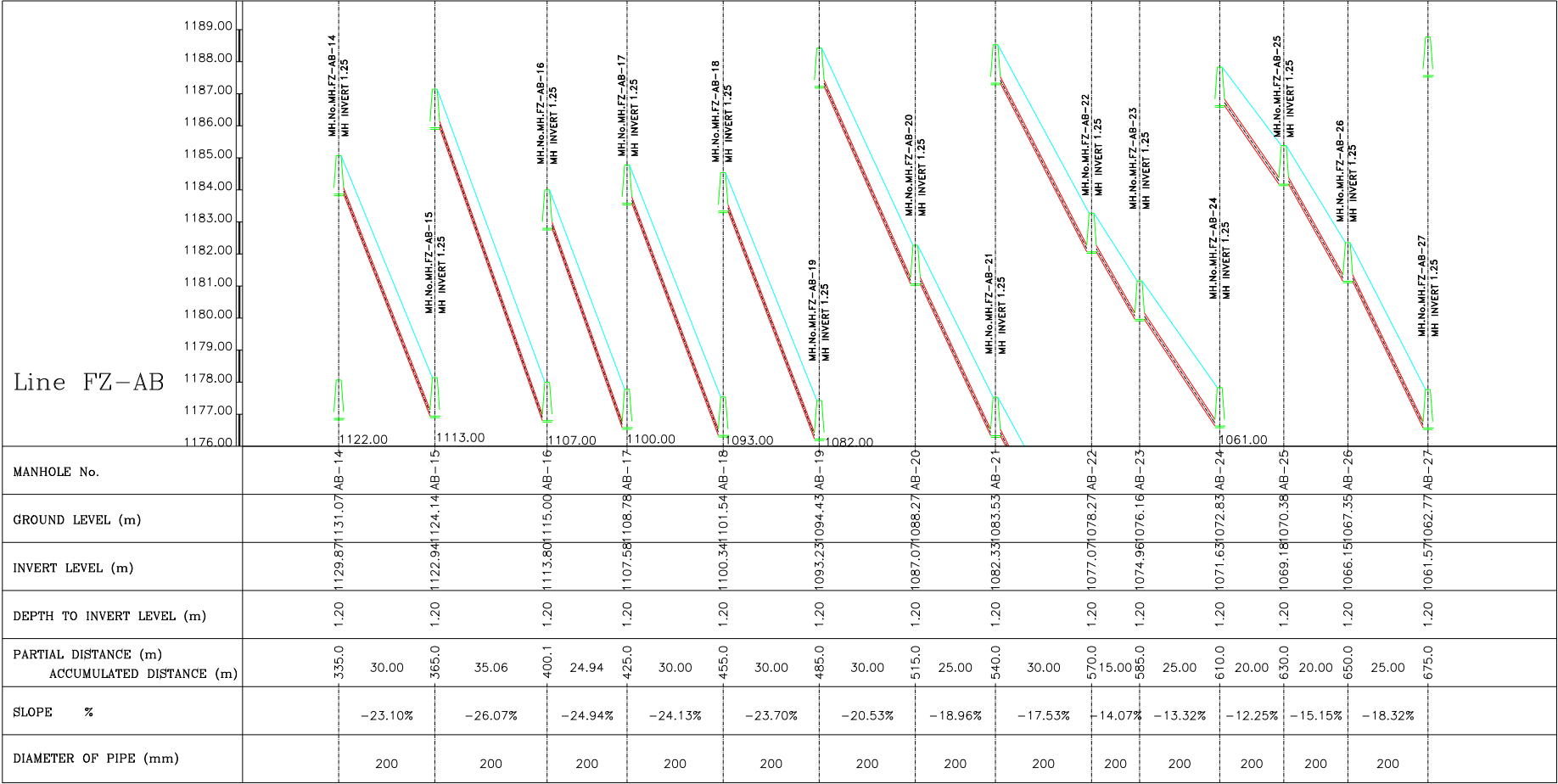
Drawn: O.D. Designed: M.N. Checked: R.S. Approved: G.K.



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- PLAN LEGEND:
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER



01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



CONSULTANT:



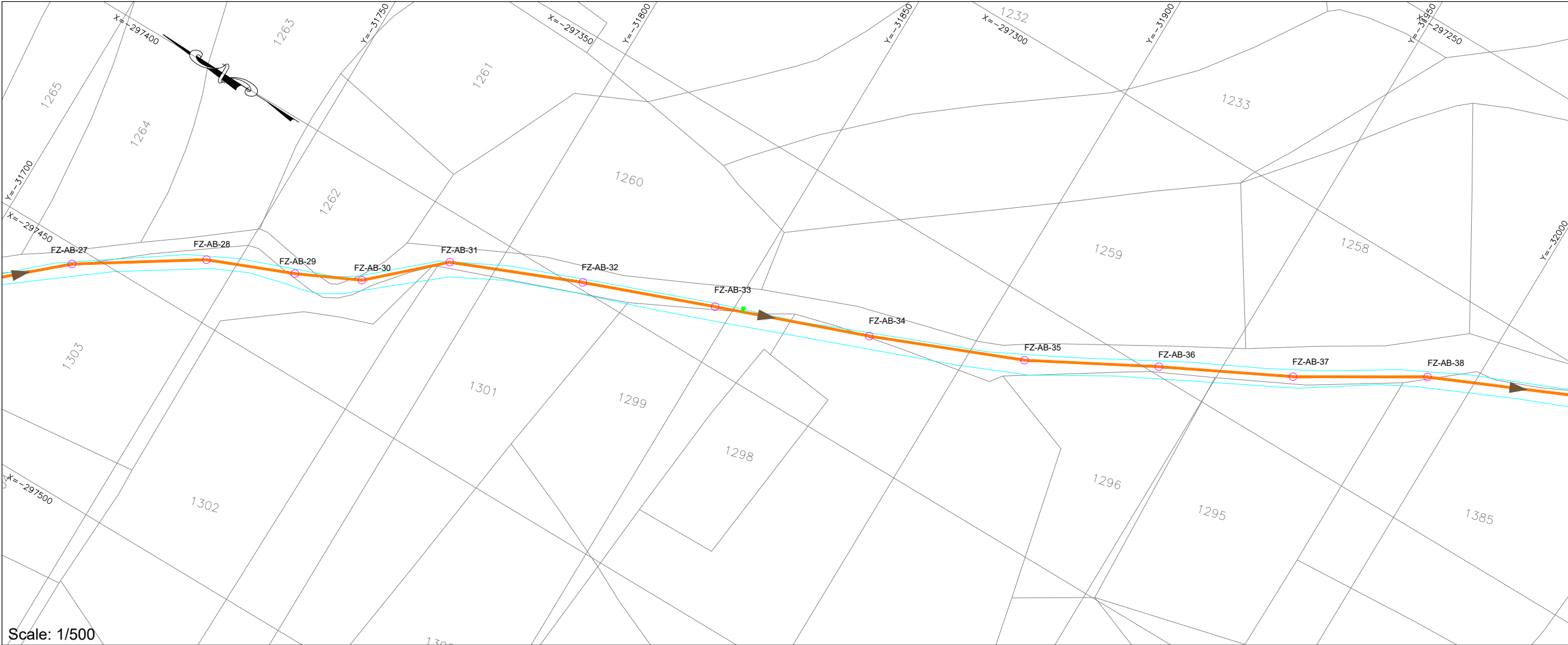
Project Name: P-2111D

COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

Drawing Title:

WASTEWATER NETWORK
FERZOL
PLAN VIEW & LONGITUDINAL PROFILE
LINE FZ-AB
SHEET (02 OF 04)

Dwg No.:	P-2111D-P1-WW-PLP-241	Rev No.:	00
Date:	SEPTEMBER-2026	Scale:	A.S.
Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.

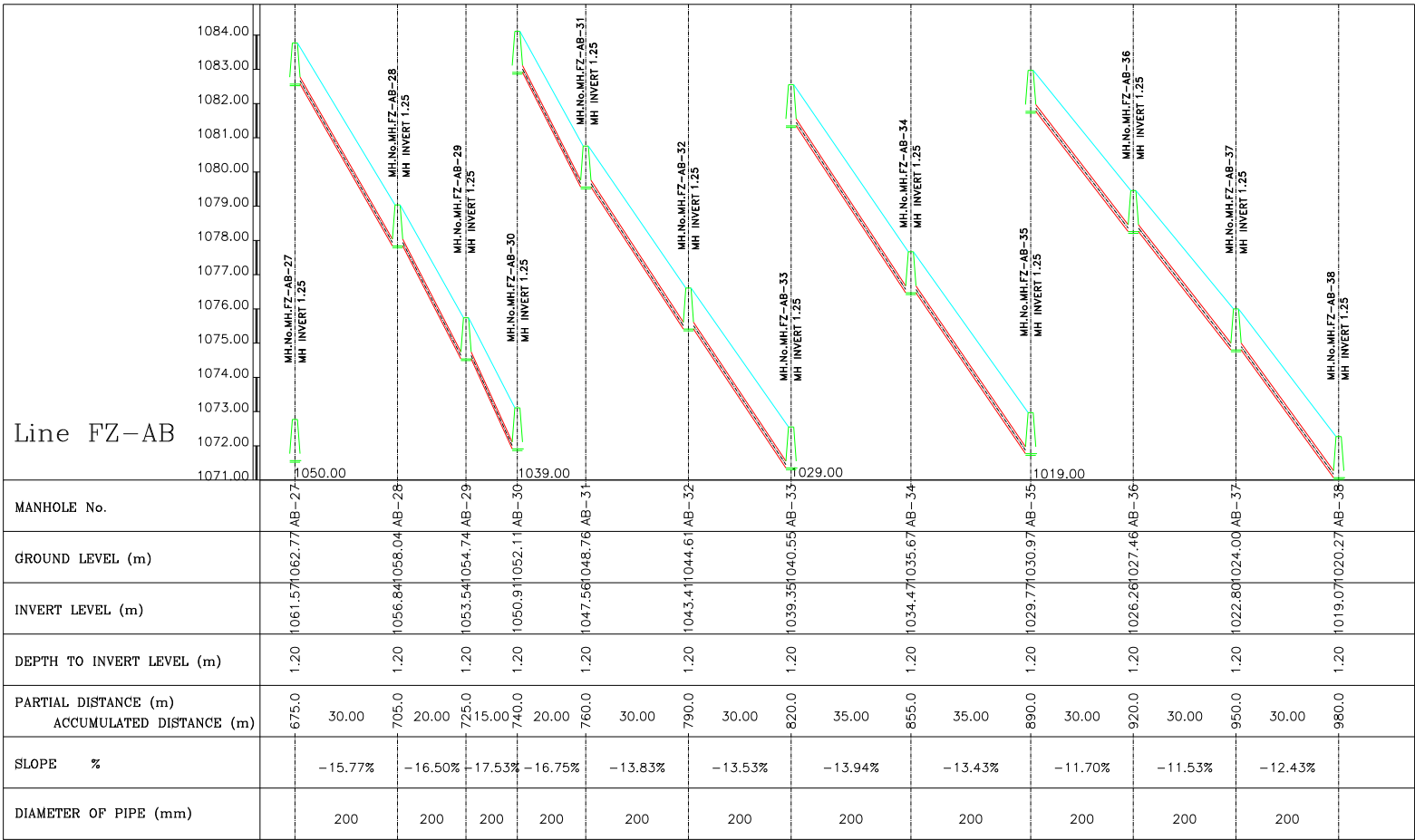


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- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
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 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- PROJECT LEVEL
 - PIPE LAYOUT
 - MANHOLE
 - EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER

Scale: 1/500



Scale: 1/1000

01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

CONSULTANT:



Project Name: P-2111D

COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

Drawing Title:

WASTEWATER NETWORK
FERZOL
PLAN VIEW & LONGITUDINAL PROFILE
LINE FZ-AB
SHEET (03 OF 04)

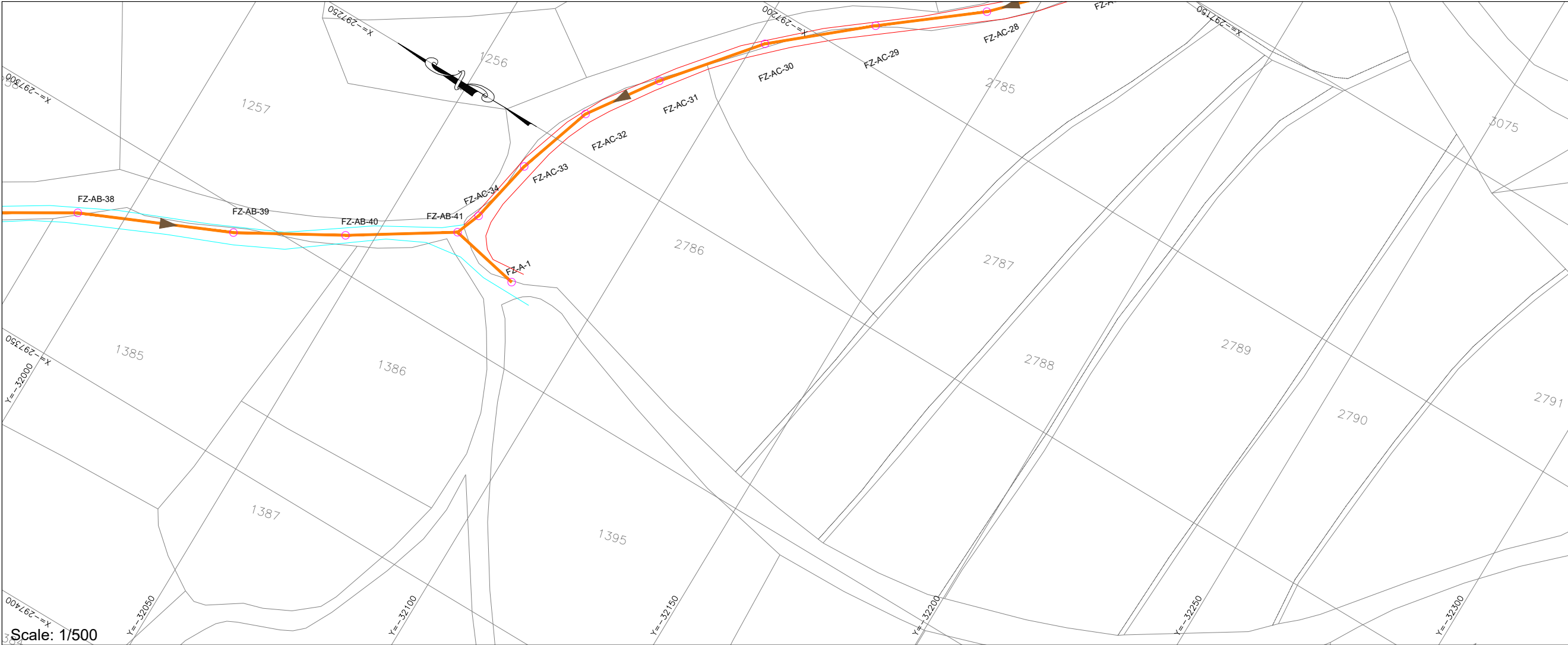
Dwg No.: P-2111D-P1-WW-PLP-242

Date: SEPTEMBER-2026

Rev No.: 00

Scale: A.S.

Drawn: O.D. Designed: M.N. Checked: R.S. Approved: G.K.



- NOTES:
- 1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.
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 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- PROJECT LEVEL
 - PIPE LAYOUT
 - MANHOLE
 - EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER

01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

CONSULTANT:



Project Name: P-2111D

COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

Drawing Title:

WASTEWATER NETWORK
FERZOL
PLAN VIEW & LONGITUDINAL PROFILE
LINE FZ-AB
SHEET (04 OF 04)

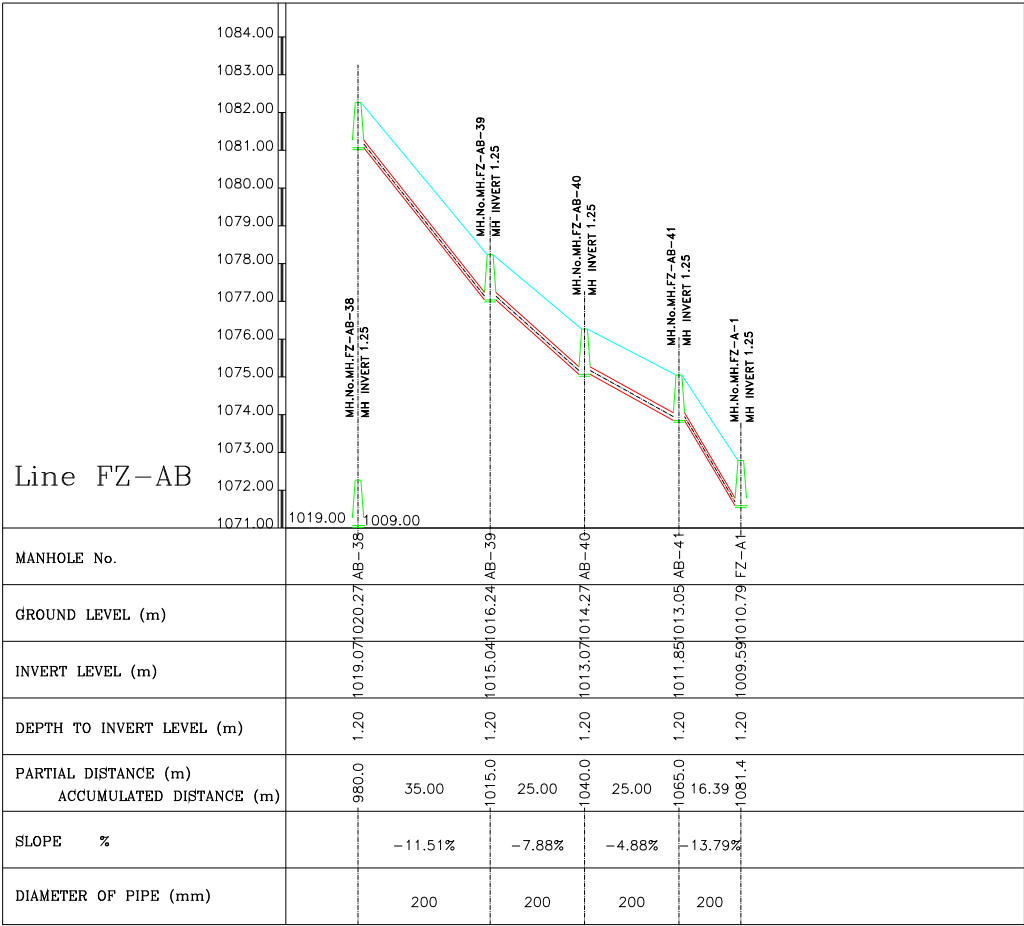
Dwg No.: P-2111D-P1-WW-PLP-243

Rev No.: 00

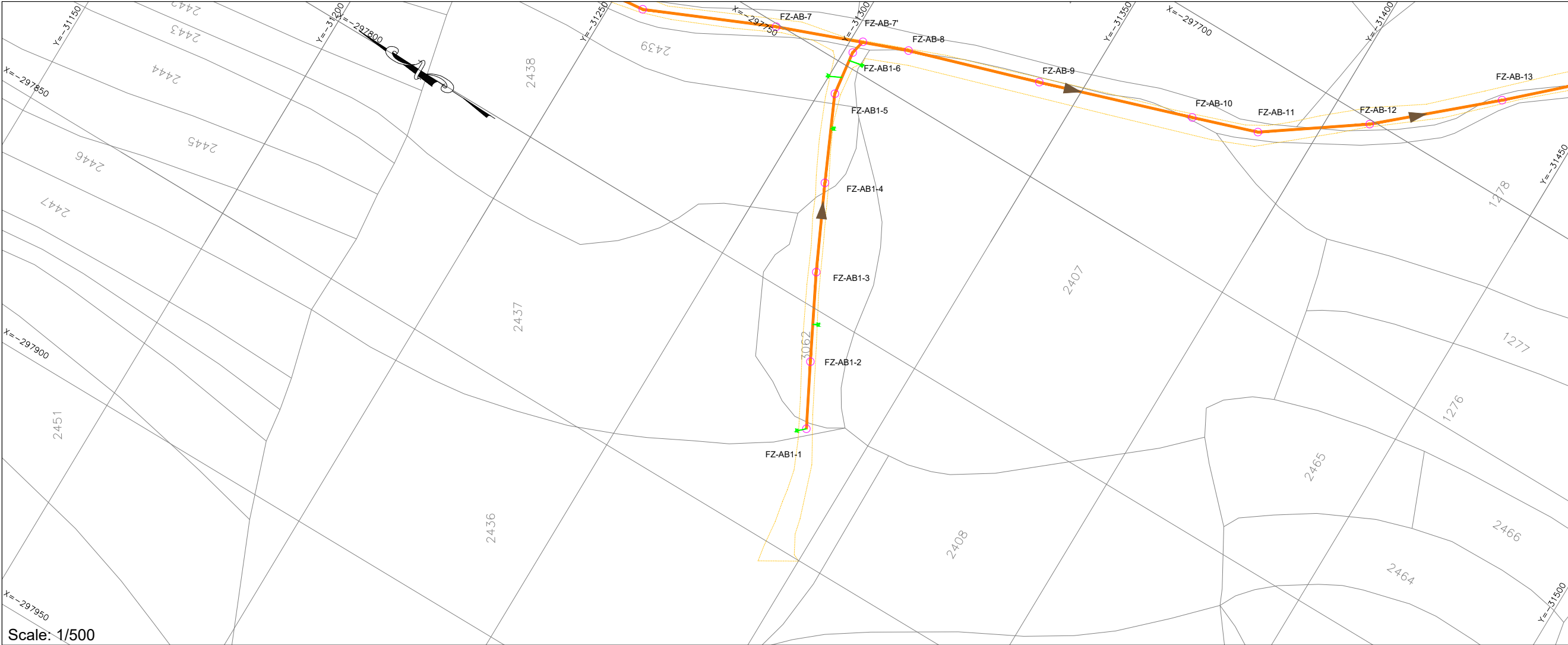
Date: SEPTEMBER-2026

Scale: A.S.

Drawn: O.D. Designed: M.N. Checked: R.S. Approved: G.K.



Scale: 1/1000



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 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- PROJECT LEVEL
 - PIPE LAYOUT
 - MANHOLE
 - EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER

01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

CONSULTANT:



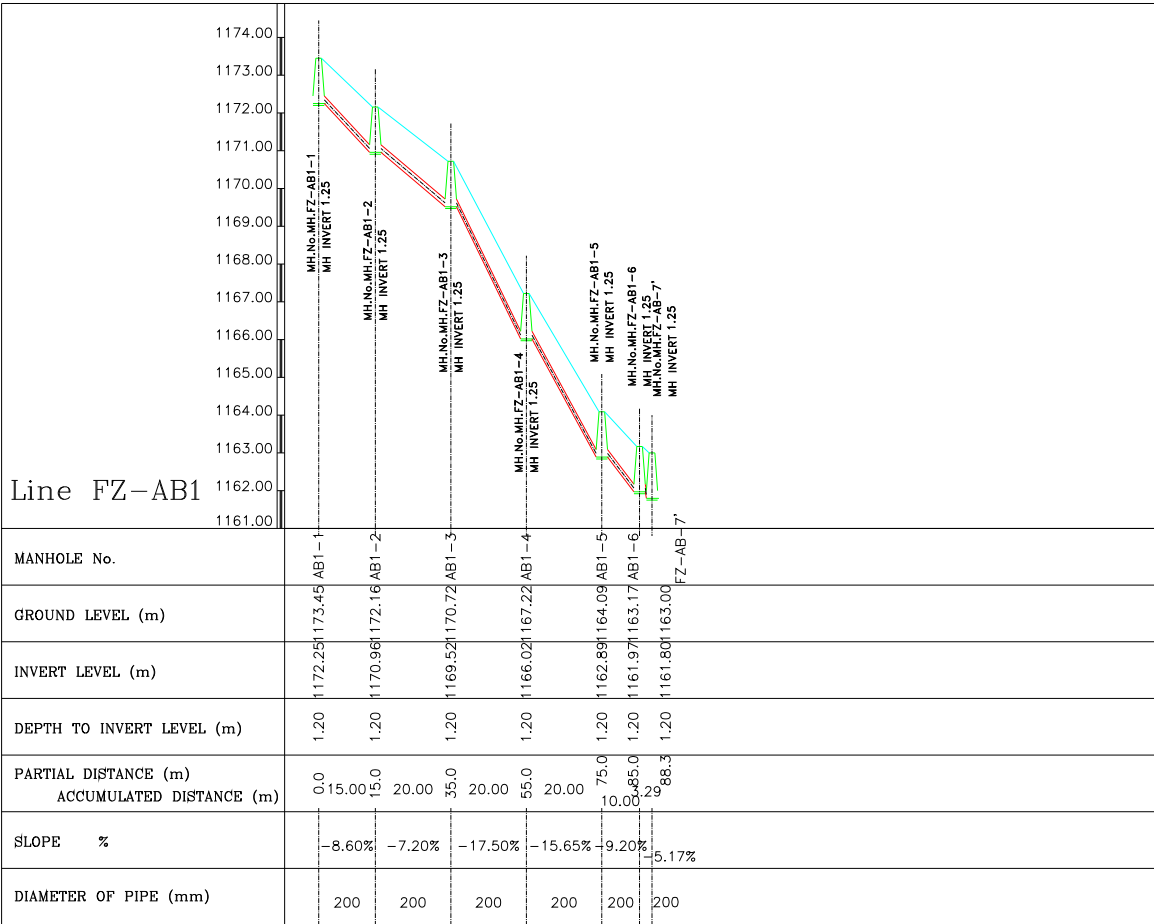
Project Name: P-2111D

COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

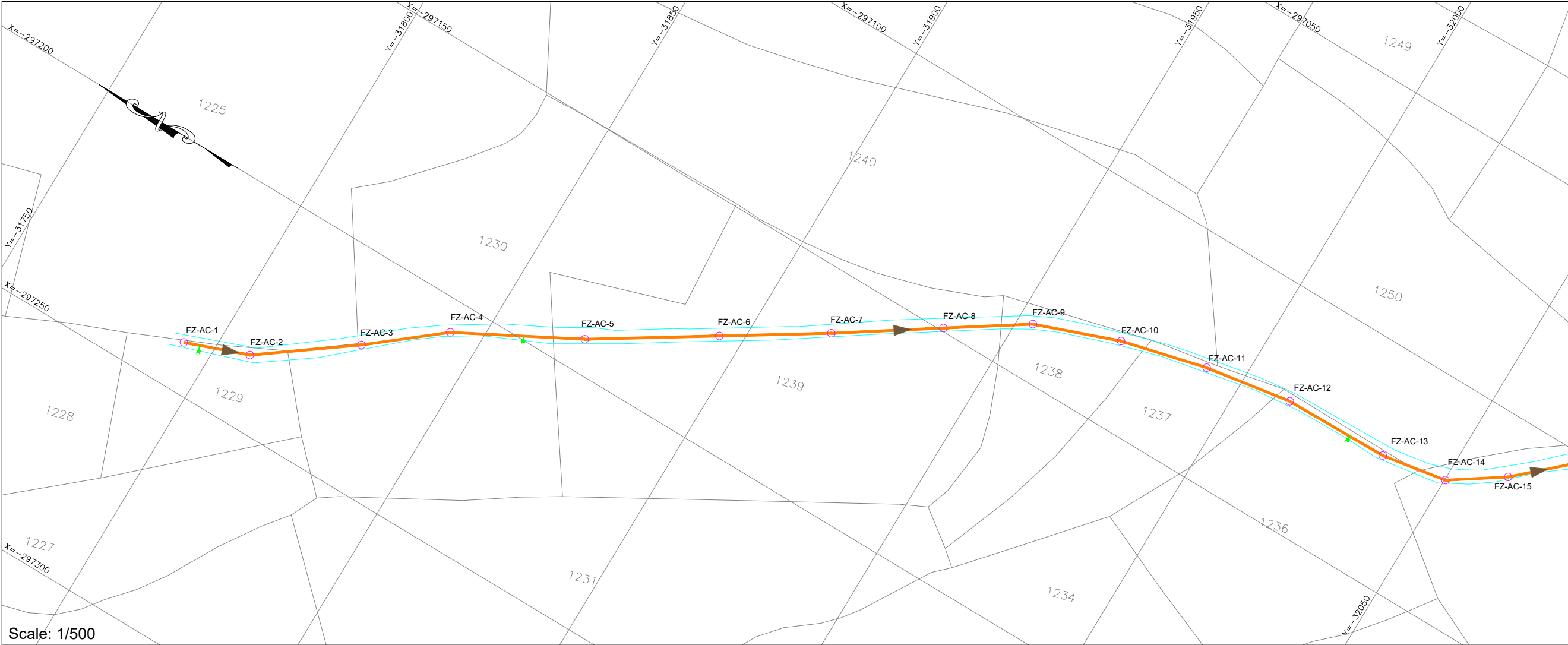
Drawing Title:

WASTEWATER NETWORK
FERZOL
PLAN VIEW & LONGITUDINAL PROFILE
LINE FZ-AB1

Dwg No.: P-2111D-P1-WW-PLP-244			Rev No.: 00
Date: SEPTEMBER-2026			Scale: A.S.
Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.



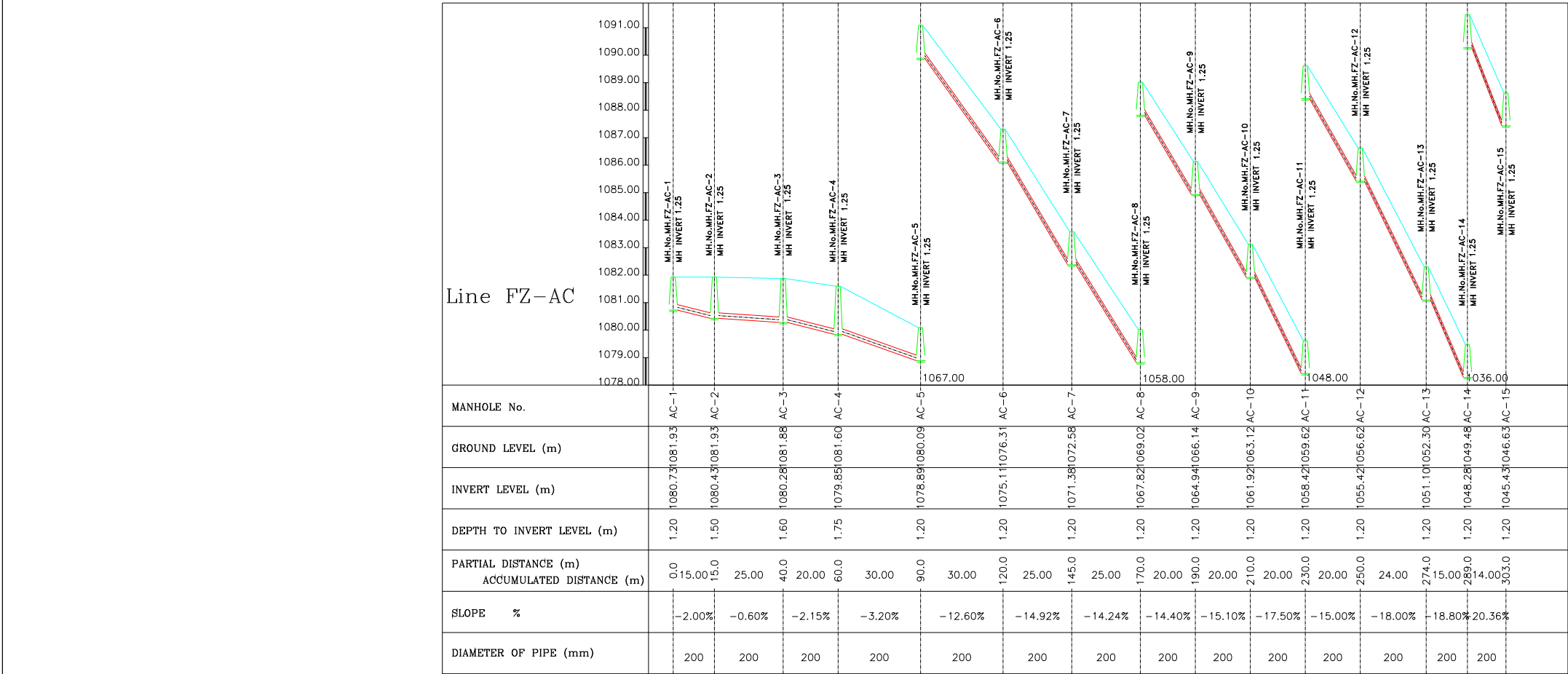
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 - PROPOSED WASTEWATER UPVC PIPE-250mm
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 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER



01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

CONSULTANT:



Project Name: P-2111D

COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

Drawing Title:

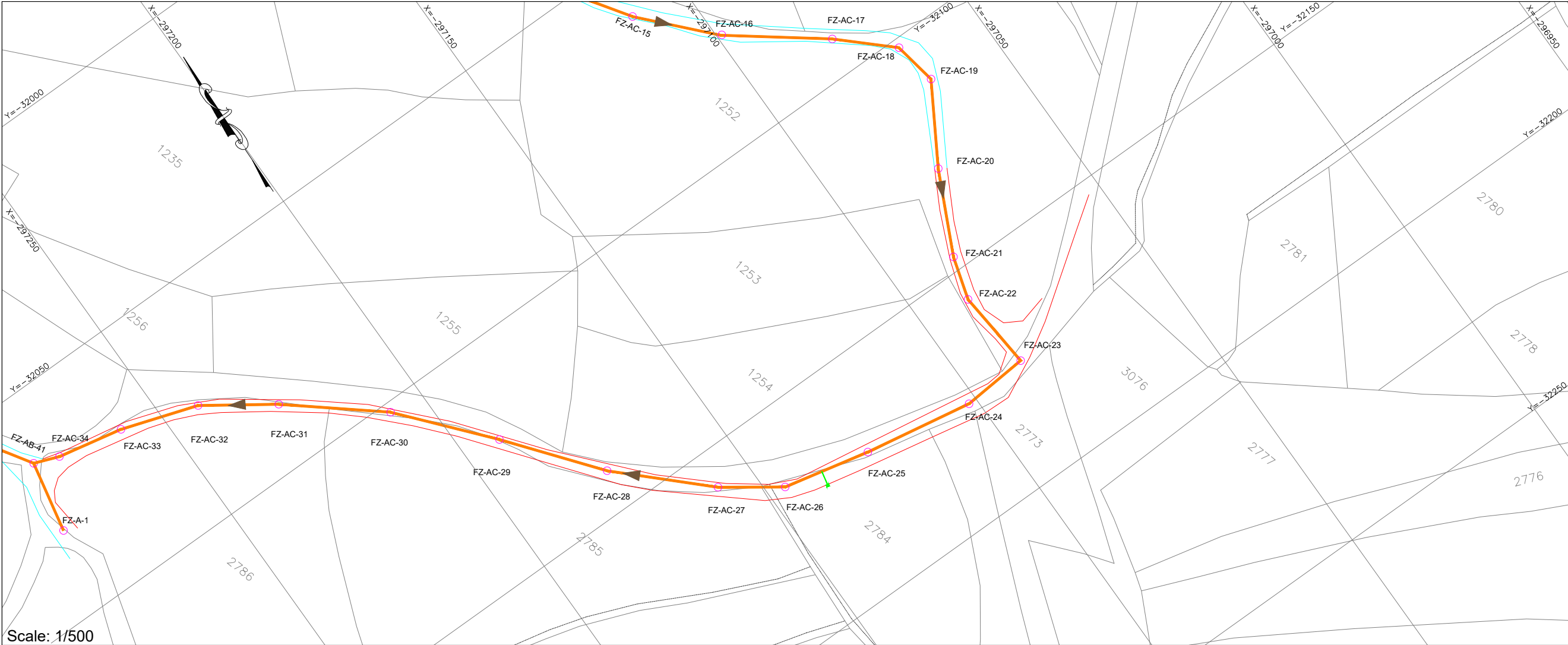
WASTEWATER NETWORK
FERZOL
PLAN VIEW & LONGITUDINAL PROFILE
LINE FZ-AC
SHEET (01 OF 02)

Dwg No.: P-2111D-P1-WW-PLP-245 Rev No.: 00

Date: SEPTEMBER-2026 Scale: A.S.

Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.

Scale: 1/1000

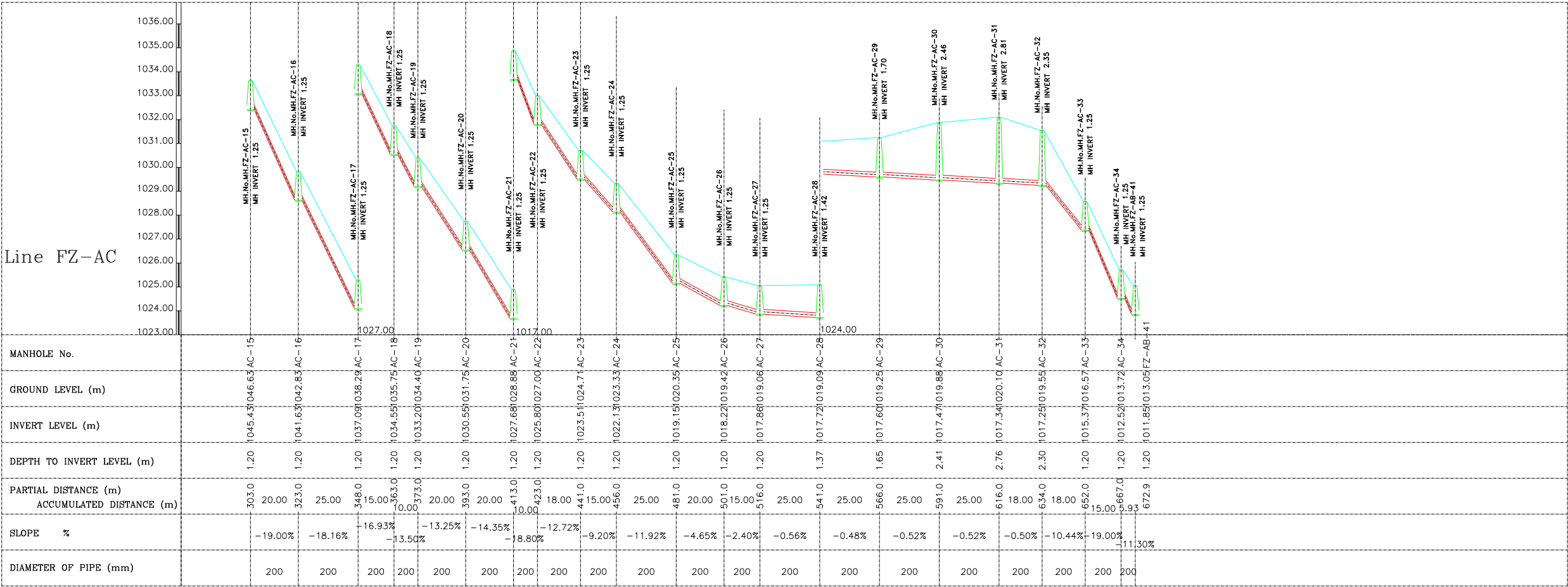


- NOTES:
- 1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.
 - 2- DIMENSIONS MUST NOT BE SCALED ON THIS DRAWING.
 - 3- THE LENGTH OF PIPE IS MEASURED FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE.
 - 4- PROVIDE CONCRETE PROTECTION FOR PIPES ACCORDING TO DRAWING OR WHERE REQUIRED BY THE ENGINEER.
 - 5- FINAL LOCATION OF MANHOLES AND PIPES ARE TO BE DETERMINED ON SITE AND SHALL BE APPROVED BY THE ENGINEER TO SUIT EXISTING SERVICES.
 - 6- PIPES ROUTE MUST BE LOCATED EXCLUSIVELY IN PUBLIC DOMAIN.

- PLAN LEGEND:
- PROPOSED WASTEWATER UPVC PIPE-200mm
 - PROPOSED WASTEWATER UPVC PIPE-250mm
 - PROPOSED WASTEWATER UPVC PIPE-300mm
 - PROPOSED WASTEWATER CONCRETE PIPE-500mm
 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- PROJECT LEVEL
 - PIPE LAYOUT
 - MANHOLE
 - EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER

Scale: 1/500



Scale: 1/1000

01		
Rev.	DESCRIPTION	DATE
FUNDING AGENT:		
		
CLIENT:		
 COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION		
CONSULTANT:		
		
Project Name: P-2111D		
COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)		
Drawing Title:		
WASTEWATER NETWORK FERZOL PLAN VIEW & LONGITUDINAL PROFILE LINE FZ-AC SHEET (02 OF 02)		
Dwg No.: P-2111D-P1-WW-PLP-246		Rev No.: 00
Date:	SEPTEMBER-2026	Scale: A.S.
Drawn	Designed	Checked
O.D	M.N	R.S
		Approved
		G.K.

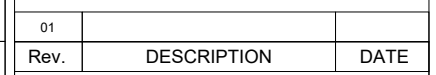


Scale: 1/1000



- PLAN LEGEND:

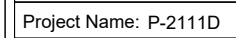
- PROFILE LEGEND:



CLIENT:



CONSULTANT:

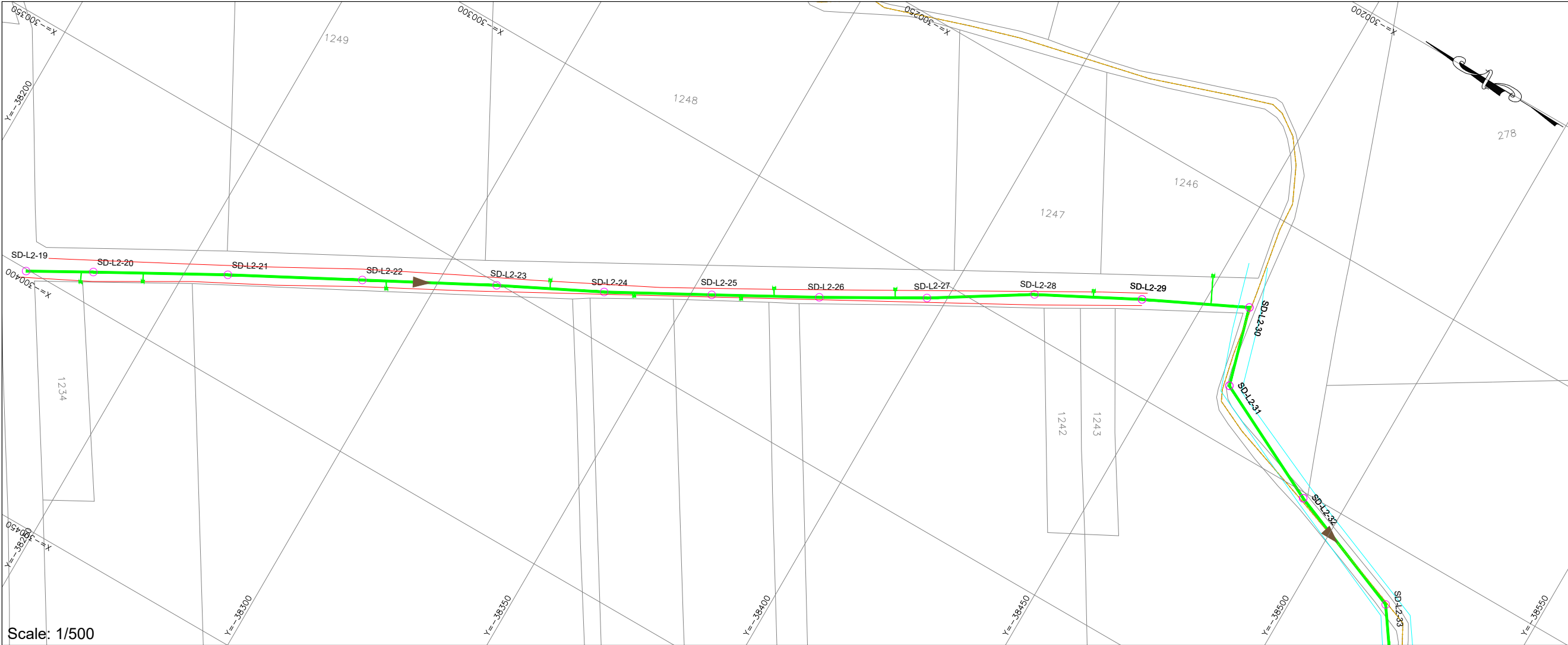


Drawing Title:

Dwg No.: P-2111D-P1-WW-PLP-247	Rev No.: 00
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Drawn	Designed	Checked	Approved
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O.D	M.N	R.S	G.K.
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- NOTES:
- 1- ALL LEVELS AND DISTANCES ARE IN METERS UNLESS OTHERWISE INDICATED.
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 - PROPOSED WASTEWATER UPVC PIPE-250mm
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 - PROPOSED WASTEWATER CONCRETE PIPE-600mm
 - PROPOSED WASTEWATER MANHOLE
 - PROPOSED HOUSE CONNECTION

- PROFILE LEGEND:
- EXISTING PAVED ROAD
 - EXISTING CONCRETE ROAD
 - EXISTING DIRT ROAD
 - EXISTING CHANNEL
 - EXISTING FENCE
 - EXISTING GULLY
 - RIVER

01		
Rev.	DESCRIPTION	DATE

FUNDING AGENT:



CLIENT:



COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

CONSULTANT:



Project Name: P-2111D

COMPLEMENTARY WORKS FOR THE EXPANSION OF THE SEWAGE COLLECTION NETWORK TO CONNECT TO THE ZAHLE WASTEWATER TREATMENT PLANT AND AITANIT WASTEWATER TREATMENT PLANT (GC2W2C)

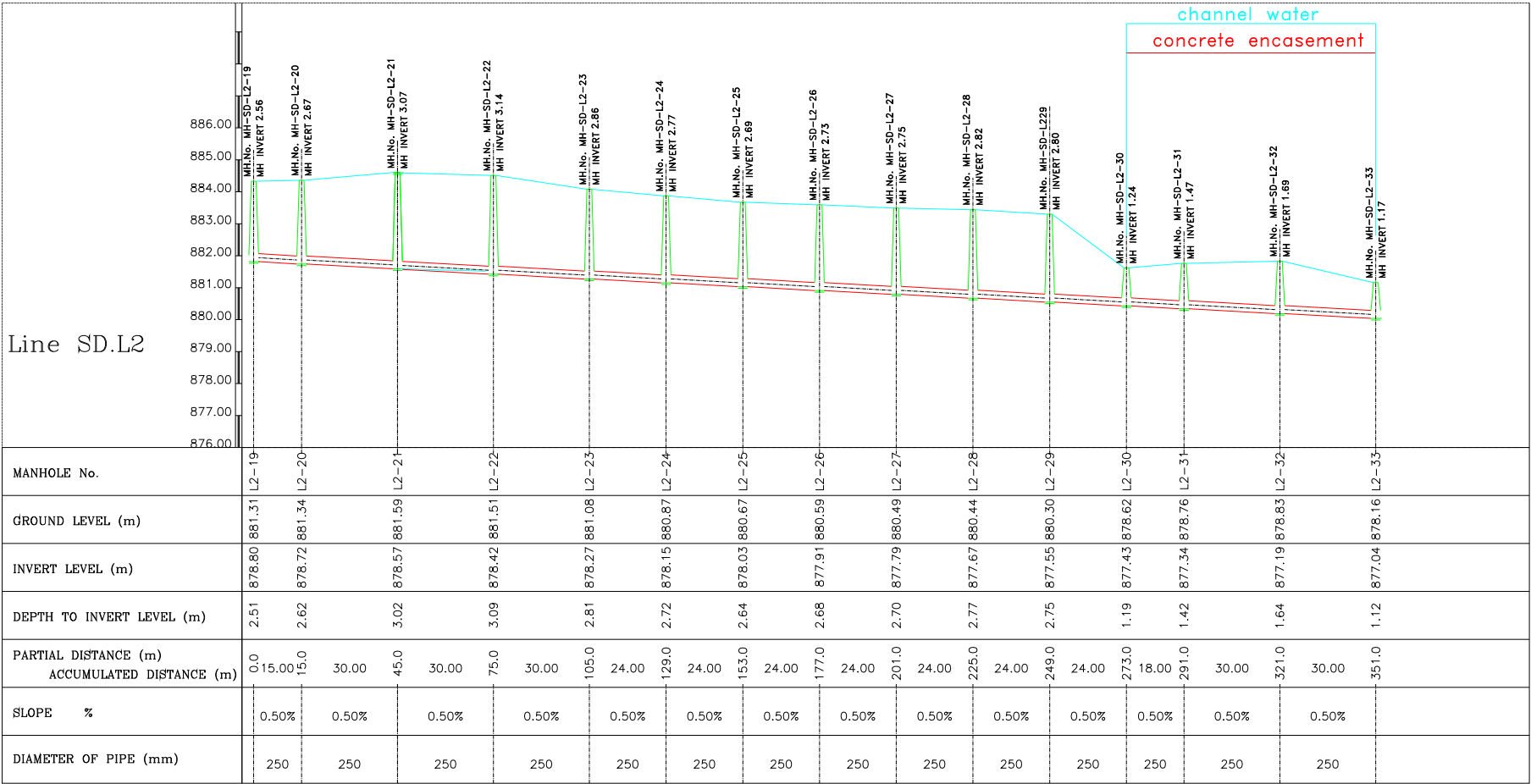
Drawing Title:

WASTEWATER NETWORK
SAADNAYEL
PLAN VIEW & LONGITUDINAL PROFILE
LINE SD-L2
SHEET (01 OF 03)

Dwg No.: P-2111D-P1-WW-PLP-248 Rev No.: 00

Date: SEPTEMBER-2026 Scale: A.S.

Drawn	Designed	Checked	Approved
O.D	M.N	R.S	G.K.



Scale: 1/1000