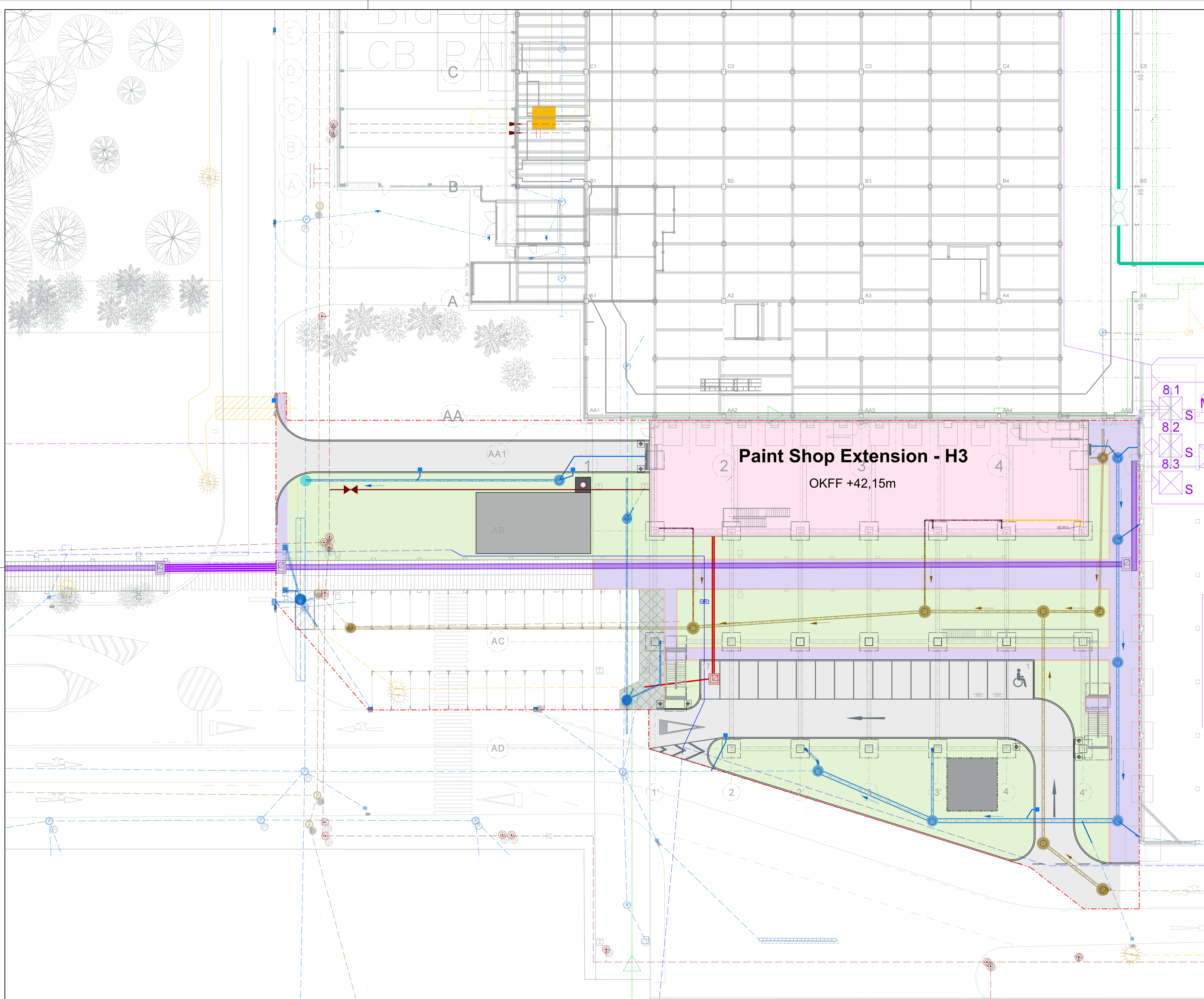


Extensão do Edifício 3 – Redes de Infra-estruturas

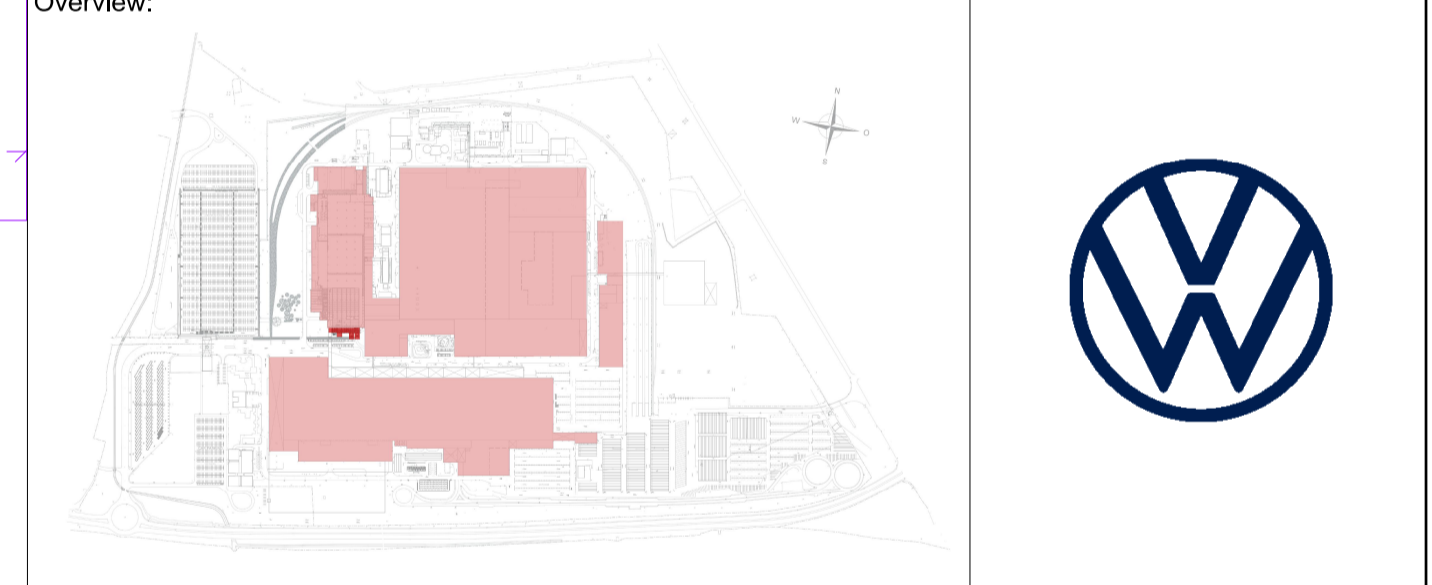
- . 4300-00000-00-L9-SE_22108_H3_Utility_LP3-105-VAA-01 – Planta de Infra-estruturas
- . 4300-00000-00-L9-SE_22108_H3_RW_LP3-105-VAA-01 – Rede de Águas Pluviais
- . 4300-00000-00-L9-SE_22108_H3_WW_LP3-105-VAA-01 – Rede de Águas Residuais Domésticas



Legende	Planning	Existing
Construction boundary		
Rainwater drainage channel		
Street inlet		
Rainwater manhole		
Rainwater pipe		
Wastewater manhole		
Wastewater pipe		
Irrigation pipe		
Irrigation valve system		
Industrial wastewater pipe		
Potable water pipe		
Extinguishing water pipe (Planned by IBZ)		
Fire hydrant		
Extinguishing water gate valve		
Illumination object		
Illumination cable connection		
Electrical cable duct		
Electrical manhole		
Telecommunication/IT cable duct		
Telecommunication/IT manhole		
Telecommunication/IT concrete channel		

Remarks:
 The relocation of telecommunication lines are planned to be done before the construction of the step 1. Therefore, it has been demonstrated as existing lines.
 The information and location of the existing rainwater and wastewater network have been taken from the survey file '4300-00000-00-D4-VSCHACHT-MP-7'.

Index	Date	Name	Checked	Description
Overview:				



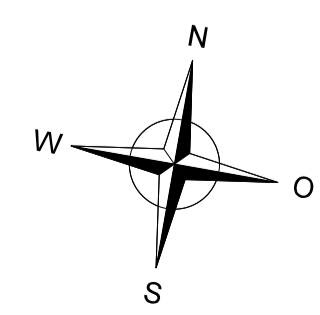
CAD-System:	MicroStation / HLS
Client:	Volkswagen AG / PPB-C Fabrikplanung Wolfsburg
Specialist Planner: Building Services	Ingenieurbüro Zammit GmbH, TB Celle Hogrevestraße 25 D-29223 Celle Tel: +49 (0) 5141- 93492 150 Fax: +49 (0) 5141 - 93492 159 E-Mail: celle@ib-zammit.de www.ib-zammit.de
Architect:	Architekten Ingenieure PSP Goldbekplatz 2 D - 22303 Hamburg T: +49(0)40 / 27 84 89 0 F: +49(0)40 / 27 84 89 59 E-Mail: mail@arch-ppsp.de www.arch-ppsp.de
Specialist Planner: Infrastructure	Sellhorn Ingenieurgesellschaft mbH Teufeld 5, D-20459 Hamburg Tel: +49 (0)40 36 12 01-0 Fax: +49 (0)40 36 12 01-28 E-Mail: info@sellhorn-hamburg.de www.sellhorn-hamburg.de

Phase:	LP3 - Design Freeze
Scale:	1:250
Sheet size:	A1

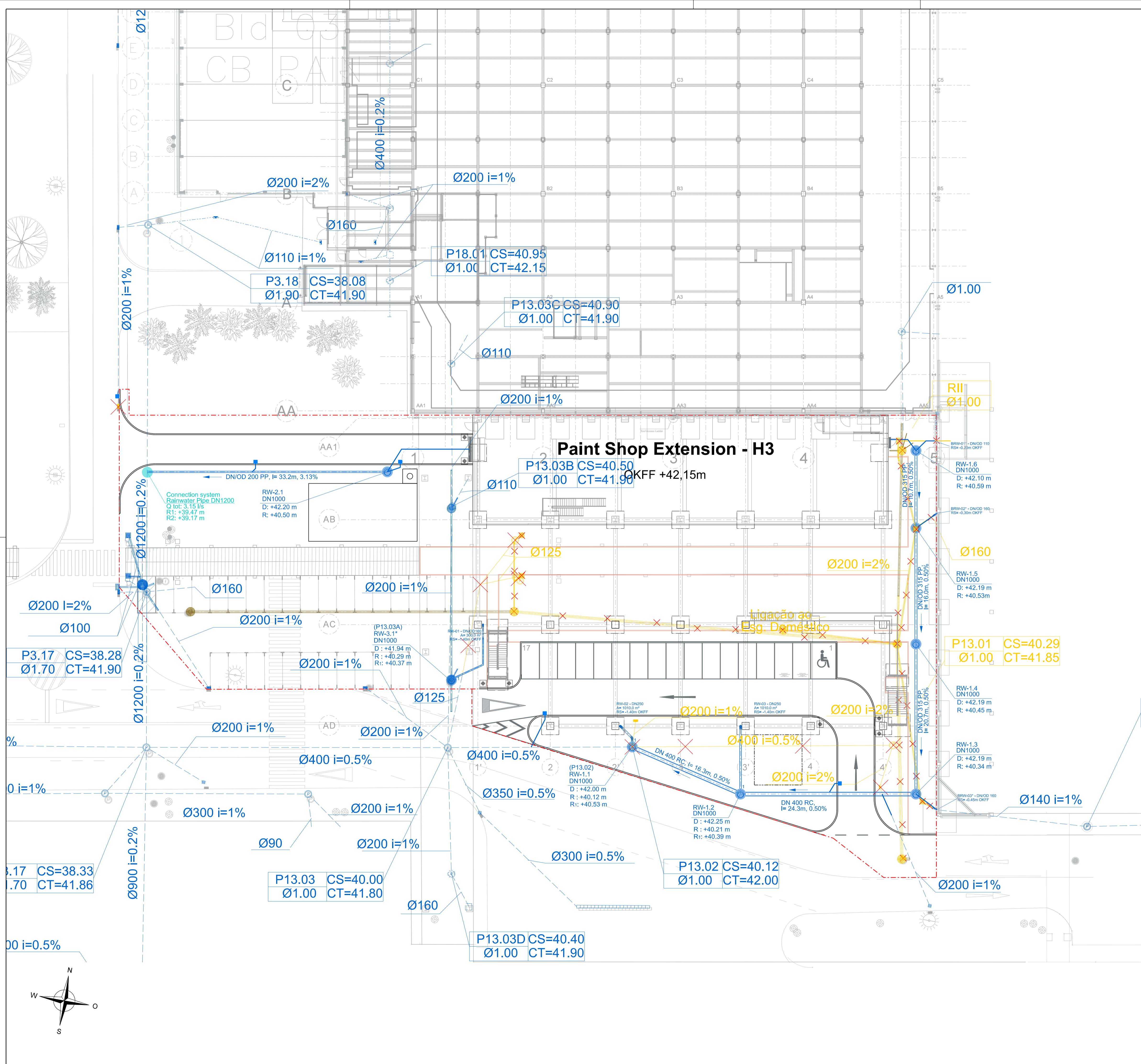
Project Title:
VW-AE Paint Shop Expansion H3, Palmela

Plan Title:
Utility Plan

Designed:	tah	Date:	22.01.2024
Drawn:	tah	Checked:	alm
Plannr.:	4300-00000-00-L9-SE_22108_H3_UTILITY_LP3-105-VAA	Checkdate:	22.01.2024
Signature/Release:		Index:	01



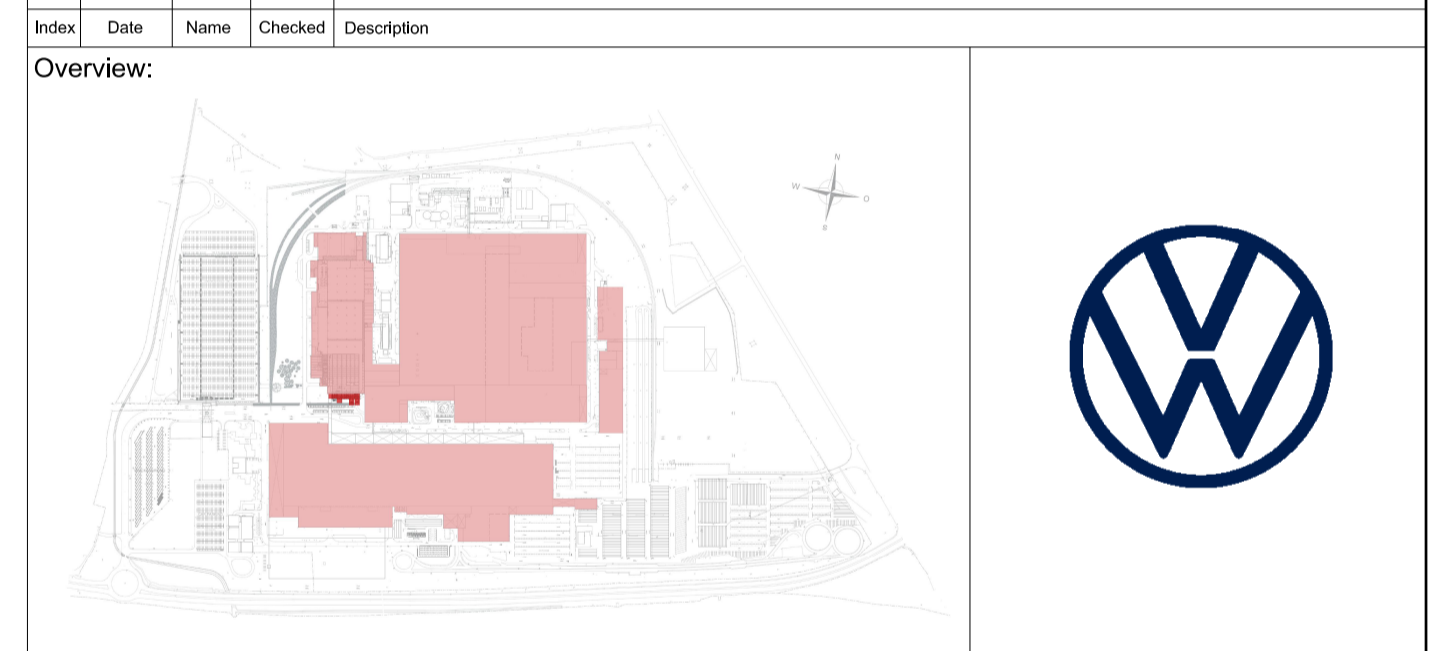
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Legende

	Planning	Existing	Demolition
Construction boundary	- - - - -		
Rainwater drainage channel	▬▬▬▬▬▬	▬▬▬▬▬▬	
Street inlet	■	■	✕
Rainwater manhole	●	●	✕
Rainwater pipe	▬	▬	✕
Wastewater manhole		●	✕
Wastewater pipe		▬	✕

Remarks:
 The information and location of the existing rainwater and wastewater network have been taken from the survey file "4300-00000-00-D4-VSCHACHT-MP-7".
 The current rainwater and wastewater at the building 8 entrance is mixed in one system. Therefore, the corresponding wastewater pipes have been desmontrated in this area.



CAD-System: MicroStation / HLS

Client: Volkswagen AG / PPB-C
 Fabrikplanung Wolfsburg

Specialist Planner: Ingenieurbüro Zammit GmbH, TB Celle
 Hogrevestraße 25
 D-29223 Celle
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 E-Mail: celle@ib-zammit.de
 www.ib-zammit.de

Architect: Architekten Ingenieure PSP
 Goldbekplatz 2
 D - 22303 Hamburg
 T: +49(0)40 / 27 84 89 0 | F: +49(0)40 / 27 84 89 59
 E-Mail: mail@arch-psp.de
 www.arch-psp.de

Specialist Planner: Sellhorn Ingenieurgesellschaft mbH
 Teilfeld 5, D-20459 Hamburg
 Tel: +49 (0)40 36 12 01-0 | Fax: +49 (0)40 36 12 01-28
 E-Mail: info@sellhorn-hamburg.de
 www.sellhorn-hamburg.de

Phase: LP3 - Design Freeze

Scale: 1:250

Sheet size: A1

Project Title: VW-AE Paint Shop Expansion H3, Palmela

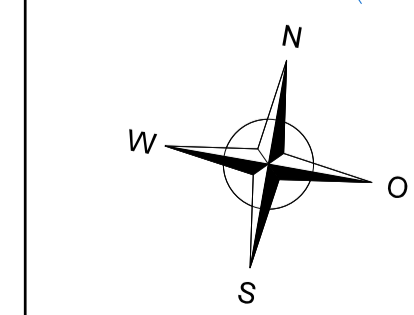
Plan Title: Rainwater Network

Designed: tah Date: 22.01.2024

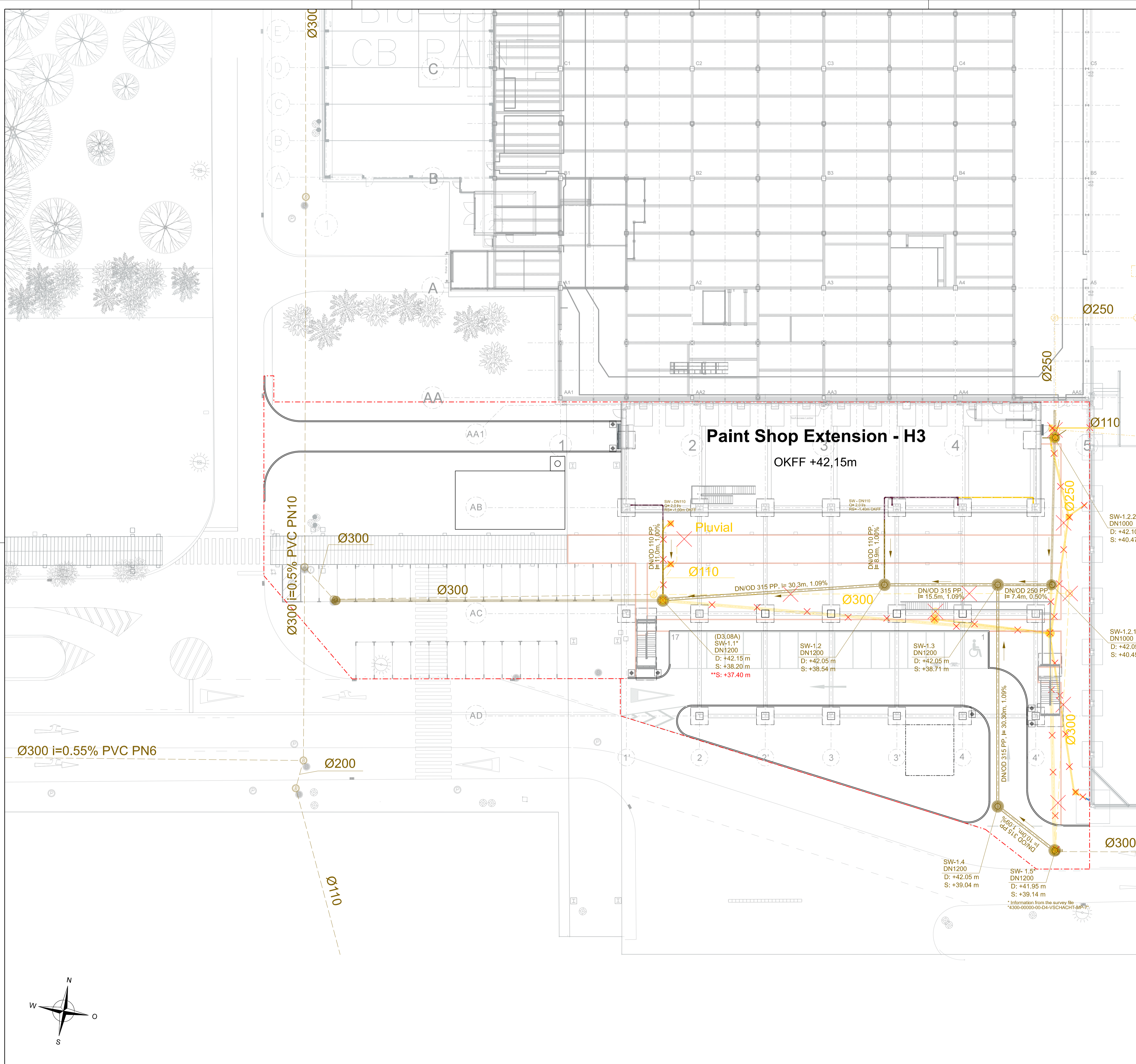
Drawn: tah Checked: afm Checkdate: 22.01.2024

Plannr.: 4300-00000-00-L9-SE_22108_H3_RW_LP3-105-VAA Index: 01

Signature/Release:

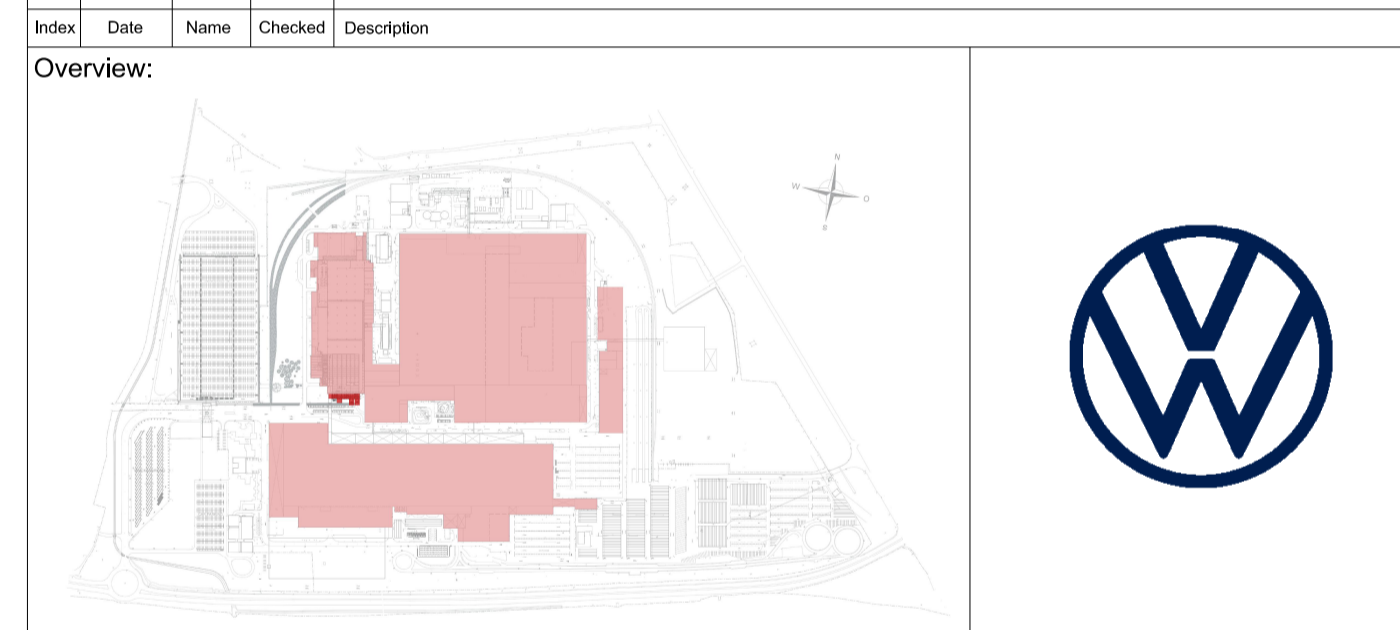


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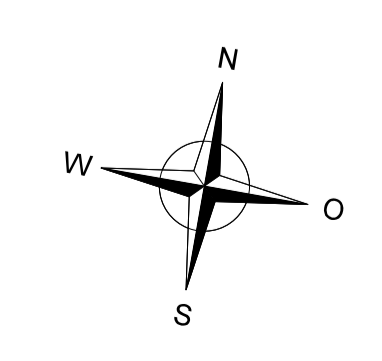


Legende	Planning	Existing	Demolition
Construction boundary	- - - - -		
Wastewater manhole	●	⊙	⊗
Wastewater pipe	—	- - - - -	⊗
Rainwater manhole			⊗
Rainwater pipe			⊗

Remarks:
 The information and location of the existing rainwater and wastewater network have been taken from the survey file "4300-00000-00-D4-VSCHACHT-MP-7".
 The current rainwater and wastewater at the building 8 entrance is mixed in one system. Therefore, the corresponding rainwater pipes have been demonstrated in this area.



Index	Date	Name	Checked	Description
Overview:				
				
CAD-System:		MicroStation / HLS		
Client:		Volkswagen AG / PPB-C Fabrikplanung Wolfsburg		
Specialist Planner: Building Services		Ingenieurbüro Zammit GmbH, TB Celle Högrevestraße 25 D-29223 Celle Tel: +49 (0) 5141- 93492 150 Fax: +49 (0) 5141 - 93492 159 E-Mail: celle@ib-zammit.de www.ib-zammit.de		
Architect:		Architekten Ingenieure PSP Goldbekplatz 2 D - 22303 Hamburg T: +49(0)40 / 27 84 89 0 F: +49(0)40 / 27 84 89 59 E-Mail: mail@arch-ppsp.de www.arch-ppsp.de		
Specialist Planner: Infrastructure		Sellhorn Ingenieurgesellschaft mbH Teilfeld 5, D-20459 Hamburg Tel: +49 (0)40 36 12 01-0 Fax: +49 (0)40 36 12 01-28 E-Mail: info@sellhorn-hamburg.de www.sellhorn-hamburg.de		
Phase:		LP3 - Design Freeze		
Scale:		1:250		Sheet size: A1
Project Title: VW-AE Paint Shop Expansion H3, Palmela				
Plan Title: Wastewater Network				
Designed:	tah	Date:	22.01.2024	
Drawn:	tah	Checked:	efm	Checkdate: 22.01.2024
Plannr.:	4300-00000-00-L9-SE_22108_H3_WW_LP3-105-VAA			Index: 01
Signature/Release:				



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