

- PORTIONS OF EXISTING CHAMBERS AND PIPE RUNS HAVE BEEN PROVIDED BY VARIOUS SOURCES, BUT NOT ALL INFORMATION HAS BEEN VERIFIED. EXACT LOCATIONS OF ALL APPURTENANCES TO BE DETERMINED ON SITE.
4. WHERE PROPOSED PIPE RUNS ENTER EXISTING DRAINAGE SYSTEMS DESTILING MAY BE REQUIRED AND WILL BE MARKED WITH THE FOLLOWER ON SITE.
- ALL OUTFALLS ON COMBINED KING DRAINAGE SYSTEMS ARE TO HAVE A MINIMUM PIPE DRAINAGE OF 1/4" PER FOOT. THE MINIMUM COVER SHALL BE 18" WHEN CONNECTING PIPE IS UNDER THE CURBWAYWAY AND 60" WHEN ELEVATION.
- INVERT LEVELS OF IN-PAVEMENT CONNECTIONS TO MANHOLES NOT SHOWN, REFER TO SCHEDULES IN APPENDIX 5/1.
- FOR NEW LOCATIONS OF COMBINED DRAINAGE AND REFER BLOCKS IN TERMS OF NEW PAVEMENT CONSTRUCTION TYPE I.C. GRANULAR SUB BASE TO PAVEMENT TO BE PAVED LOCALLY.

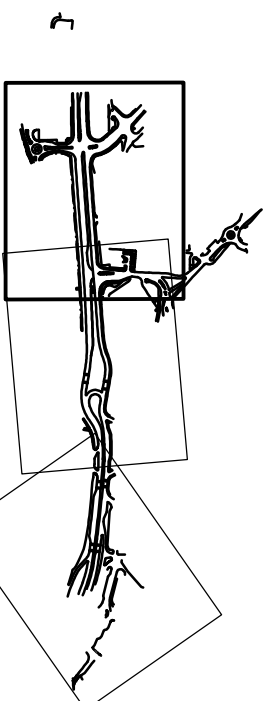
EYE

EXISTING DRAINAGE

- | | |
|----------|---|
| _____ | SURFACE WATER SEWER |
| _____ | POOL WATER SEWER |
| Gy □ | EXISTING GULLY |
| Gx ★ | GULLY TO BE BACKFILLED WITH ST1 CONCRETE |
| □ | EXISTING CHAMBER |
| ★ | EXISTING CHAMBER TO BE DEMOLISHED |
| ⊙ | RAISE OR LOWER EXISTING COVER AND FRAME
(INCLUDES BOTH CHAMBERS AND GULLY'S) |
| ⊖ | EXISTING SEWER TO BE ABANDONED |
| ## _____ | |

PROPOSED DRAINAGE

- | PROPOSED MANHOLE / CATCHPIT | PROPOSED CATCHPIT GULLY | PROPOSED CARRIER DRAIN | PROPOSED FILTER DRAIN | PROPOSED RAISED GULLY (1500 D16) | PROPOSED FIN DOWN THE & REFER TO HCD DRAWINGS F18 & F19 | PROPOSED COMBINED DRAINAGE AND KERB BLOCKS WITH OUTFALL POSITION |
|--|---|---|---|---|---|---|
| 
2256 05
2256 m2u |  |  |  |  |  |  |



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Cynogor Dinas Gwynedd Newport City Council
11/0000 No. 1 A 00001

ISSUE	AMENDMENTS	DRAWN	CHKD	DATE
F	MH S21 ADDED; ACCESS CHAMBER CHANGED TO OUTL AT END OF RUN.	DS	DW	APR 06
E	GRAVIMETRIC LAKE ARMED; DRAINAGE METHOD IN THIS AREA; ST AND BRICKO CHANGED TO NEW LAYOUT; ST AND BRICKO CENTRE, JACKSON AROUND.	DS	DW	OCT 06
D	UPDATED TO NEW LAYOUT; ST AND BRICKO UPDATED TO NEW LAYOUT; ADDED TO MH S31.	DS	DW	JUL 06
C	XREF UPDATED TO "DESIGN WARLOG"	J8	SH	MAR 06
B	HANDLES ADDED AND NUMBERING AMENDED	SH	DWJ	FEB 06
A	CARRIED DEAN RAIN ROOF ADDED			



NEWPORT CITY CENTRE
REGENERATION

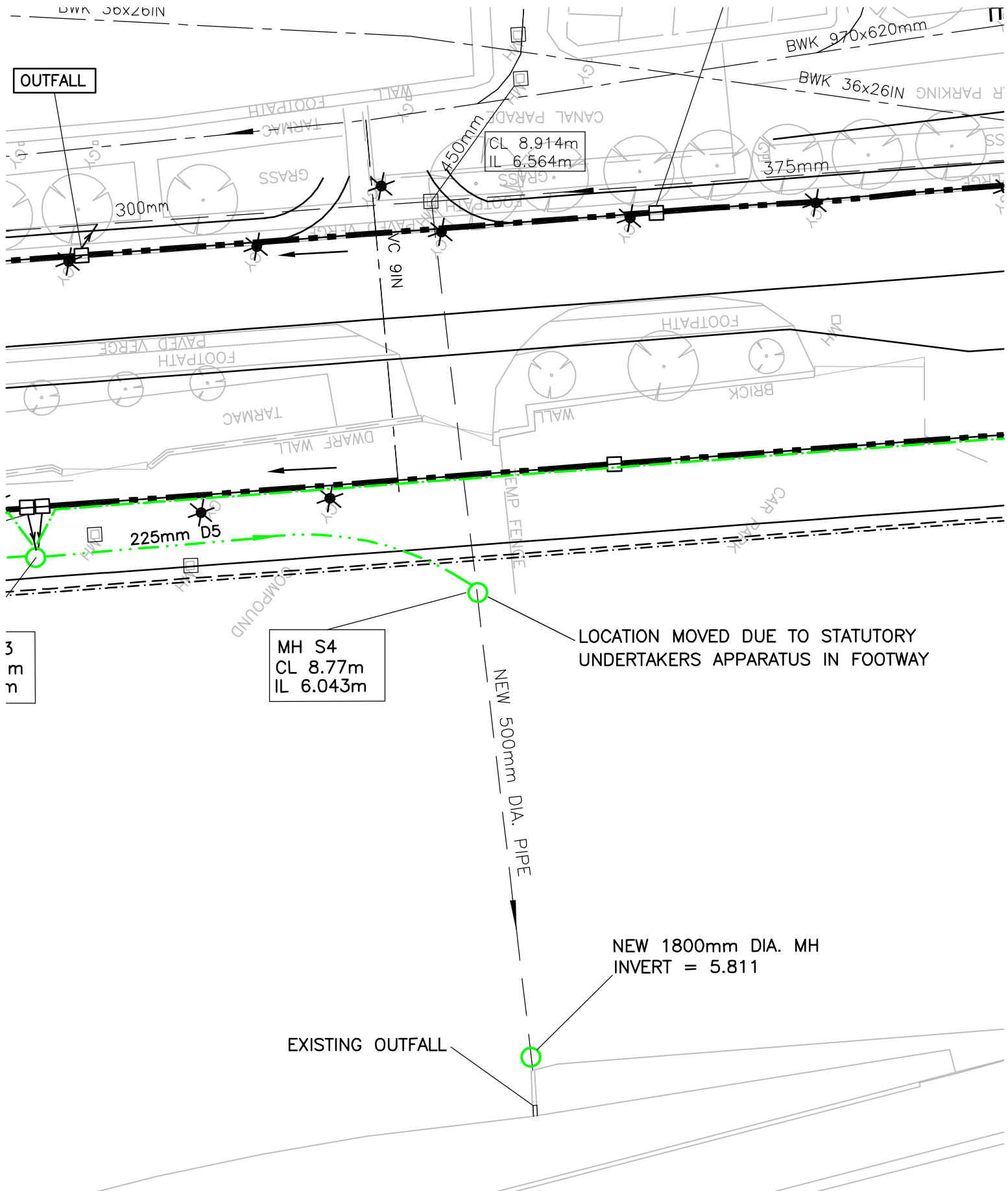
Newport
CITY COUNCIL
CYNGOR DINAS
Casnewydd

HIGHWAY DRAINAGE
SHEET 1 OF 4

CAPITA SYMONDS

Capita Gwent Consultancy Ltd.
Ty Gwent, Lake View, Llantarnam Park, Cwmbran, South Wales, NP44 3HR
Tel: 01633 463333 Fax: 01633 463399

DRAWN	R.J. ARTHUR	JAN 2006	SCALE: 1:500
CHECKED	S. HAMBLETON	FEB 2006	



Appendix B Constraints & Existing Drainage





DO NOT SCALE

NOTES:

- DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT PROJECT DRAWINGS AND SPECIFICATIONS
- ALL FIGURED LEVELS ARE IN METRES AND RELATED TO EXISTING SURVEY GRID & DATUM UNLESS NOTED OTHERWISE
- ALL FIGURED DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE, DIMENSION ARE NOT TO BE SCALED.

LEGEND

- PUBLIC HIGHWAY
- DCWW EASEMENT ZONE
- DCWW ADOPTED COMBINED WATER SEWER
- DCWW ADOPTED WATER MAIN

P09	Stage 3 Complete	10/08/26	DT	RC CD
P08	Easement amended	31/07/26	DT	RC CD
P07	Updated to reflect survey info	22/07/26	DT	RC CD
P06	DCWW Standoff Zone Adjusted	20/05/26	WL	CD RC
P05	Stage 1 - Stage Approval	18/09/25	BM	BM CD
P04	Stage 1 - Review & Comment	22/08/25	BM	CD CD
P03	Updated For Info	04/06/25	BM	CD CD
P02	DCWW Consultation	03/06/25	BM	CD CD
P01	First Issue	09/05/25	BM	SP CD
Rev.	Revision Notes	Date	Drawn By	Checked Approved



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WEPco ON BEHALF OF COLEG GWENT

PROJECT

COLEG GWENT KNOWLEDGE QUARTER

TITLE

DCWW EXISTING ASSET PLAN

PROJECT NO.

333701109

SCALE @ A1

1:250

STATUS DESCRIPTION

RIBA STAGE 3 COMPLETE

STATUS

A2b

DRAWING NO.

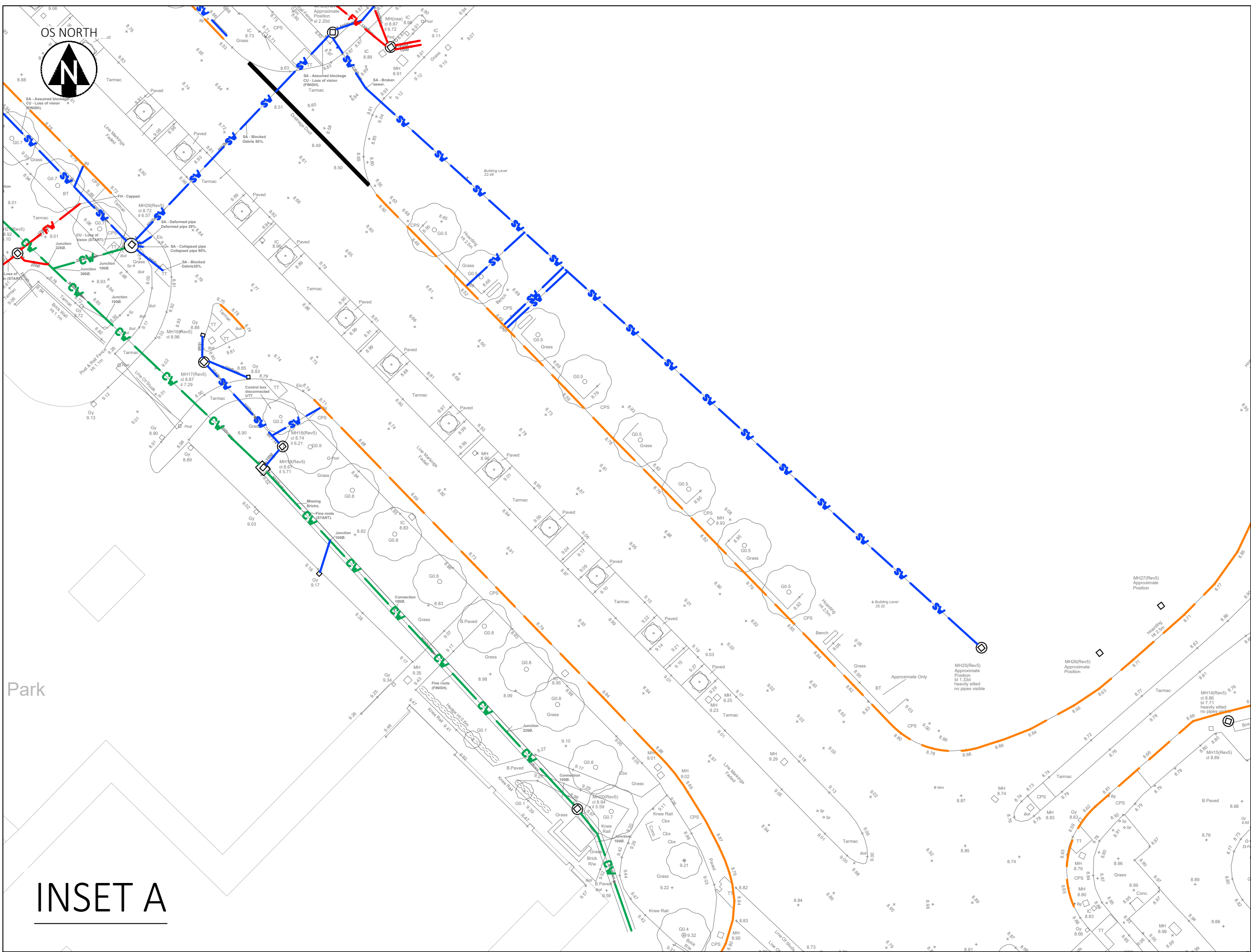
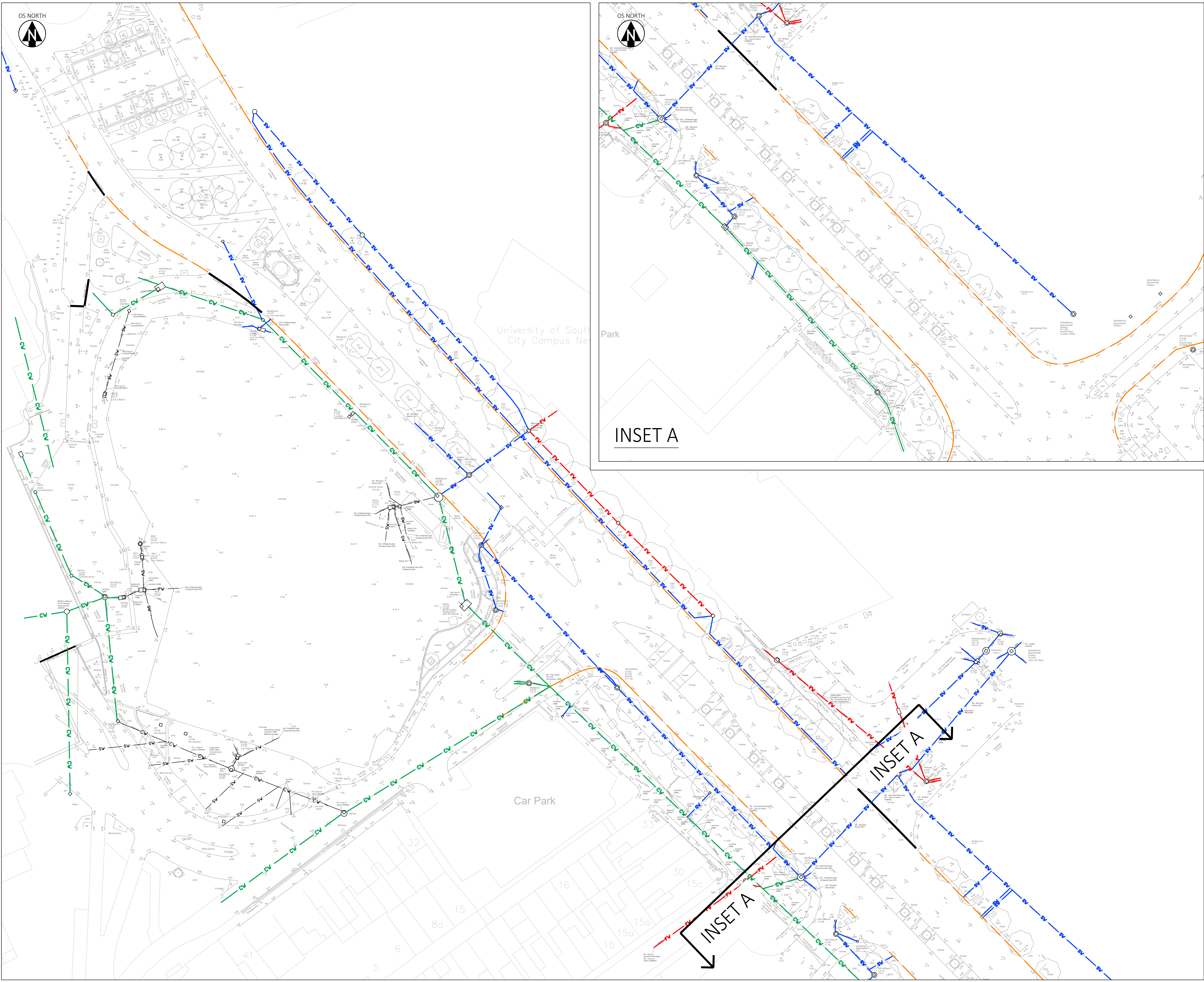
NE0101-STN-00-XX-DR-C-00400

REVISION

P09

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Filename: U:\333701109\01_WPD\DR_Drawing\CVE0101-STN-00-XX-DR-C-00401 - Existing Drainage.dwg



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 - ALL FIGURED DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE, DIMENSION ARE NOT TO BE SCALED.
 - THE DRAWING SHALL BE USED FOR THE INTENDED PURPOSE ONLY AND THIS DRAWING HAS BEEN BASED ON INFORMATION PROVIDED BY OTHER PARTIES AND STANTEC DO NOT WARRANT THE ACCURACY OF THIS INFORMATION.

LEGEND

- HIGHWAYS COMBINED DRAINAGE KERB
- EXISTING SURFACE WATER
- EXISTING SURFACE WATER MADE REDUNDANT
- EXISTING FOUL WATER
- EXISTING FOUL WATER MADE REDUNDANT
- ADOPTED COMBINED WATER
- ADOPTED COMBINED WATER MADE REDUNDANT

P09	Updated to reflect survey info	22/07/26	DT	RC CD
P08	DCWW Standoff Zone Adjusted	20/05/26	WL	CD RC
P07	Stage 1 - Suitable for Stage Approval	18/09/25	BM	BM CD
P06	Outfall IL Added + Leisure Centre Drainage Added to Key	26/08/25	BM	SP CD
P05	Stage 1 - Suitable for Review & Comment	22/08/25	BM	IMH CD
P04	Updated To Include Drainage From New Leisure Centre	18/06/25	BM	CD CD
P03	Updated For Info	04/06/25	BM	CD CD
P02	Updated Following DCWW Consultation	03/06/25	BM	CD CD
P01	First Revision	21/05/25	BM	IMH CD
Rev.	Revision Notes	Date	Drawn By	Checked Approved



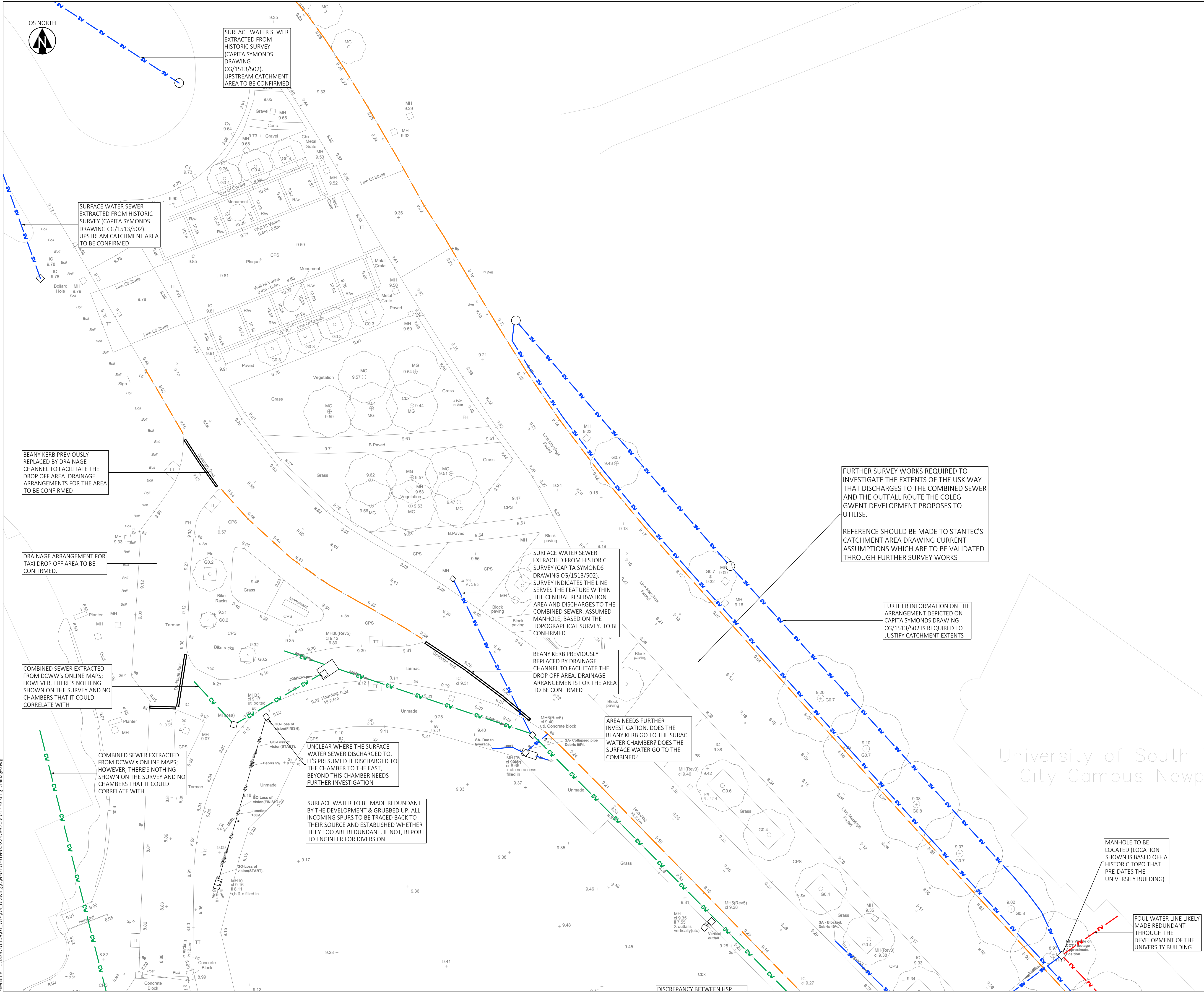
CLIENT
WEPCo ON BEHALF OF COLEG GWENT

PROJECT
COLEG GWENT KNOWLEDGE QUARTER

TITLE
EXISTING DRAINAGE ARRANGEMENTS OVERVIEW

PROJECT NO. 333701109	SCALE @ A1 NTS	STATUS A2b
STATUS DESCRIPTION RIBA STAGE 3 COMPLETE	REVISION P09	
DRAWING NO. NE0101-STN-00-XX-DR-C-00401		

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DO NOT SCALE

KEY PLAN (SCALE 1:2500)

NOTES:

1. DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT PROJECT DRAWINGS AND SPECIFICATIONS

2. ALL FIGURED LEVELS ARE IN METRES AND RELATED TO EXISTING SURVEY GRID & DATUM UNLESS NOTED OTHERWISE

3. ALL FIGURED DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE. DIMENSION ARE NOT TO BE SCALED.

4. THE DRAWING SHALL BE USED FOR THE INTENDED PURPOSE ONLY AND THIS DRAWING HAS BEEN BASED ON INFORMATION PROVIDED BY OTHER PARTIES AND STANTEC DO NOT WARRANT THE ACCURACY OF THIS INFORMATION.

LEGEND

HIGHWAYS COMBINED DRAINAGE KERB

EXISTING SURFACE WATER

EXISTING SURFACE WATER MADE REDUNDANT

EXISTING FOUL WATER

EXISTING FOUL WATER MADE REDUNDANT

ADOPTED COMBINED WATER

ADOPTED COMBINED WATER MADE REDUNDANT

P06	Updated to reflect survey info	22/07/26	DT	RC CD
P05	DCWW Standoff Zone Adjusted	20/05/26	WL	CD RC
P04	Stage 1 - Suitable for Stage Approval	18/09/25	BM	BM CD
P03	Key Updated	26/08/25	BM	BM CD
P02	Stage 1 - Suitable for Review & Comment	22/08/25	BM	IMH CD
P01	First Revision	04/06/25	BM	IMH CD
Rev.	Revision Notes	Date	Drawn By	Checked Approved

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PROJECT

COLEG GWENT KNOWLEDGE QUARTER

TITLE

EXISTING DRAINAGE - SHEET 1

PROJECT NO.
333701109

STATUS DESCRIPTION
RIBA STAGE 3 COMPLETE

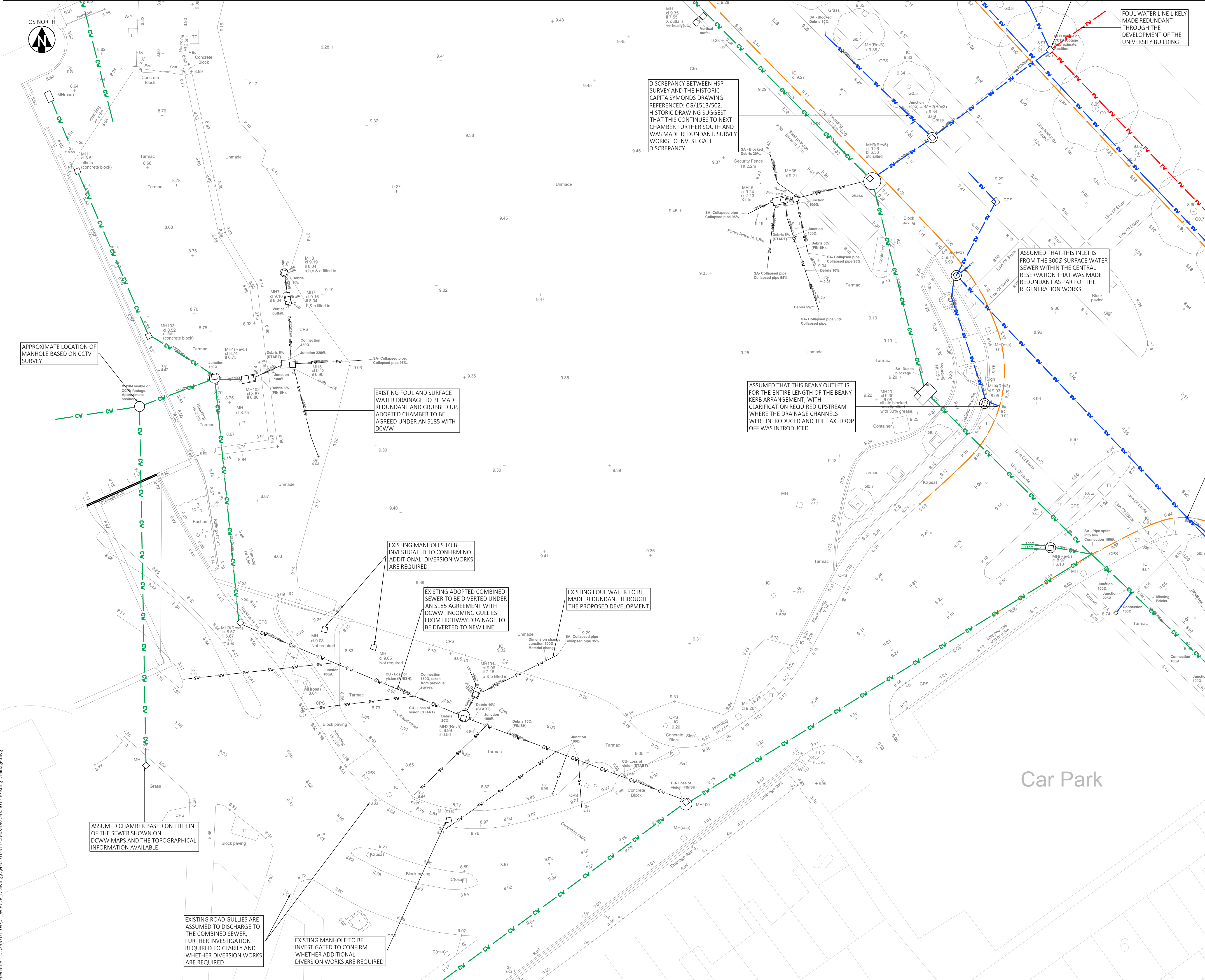
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NE0101-STN-00-XX-DR-C-00402

SCALE @ A1
1:200

STATUS
A2b

REVISION
P06

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DO NOT SCALE

KEY PLAN (SCALE 1:2500)

NOTES:

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LEGEND

- HIGHWAYS COMBINED DRAINAGE KERB
- --- EXISTING SURFACE WATER
- --- EXISTING SURFACE WATER MADE REDUNDANT
- --- EXISTING FOUL WATER
- --- EXISTING FOUL WATER MADE REDUNDANT
- --- ADOPTED COMBINED WATER
- --- ADOPTED COMBINED WATER MADE REDUNDANT

P06	Updated to reflect survey info	22/07/26	DT	RC CD
P05	DCWW Standoff Zone Adjusted	20/05/26	WL	CD RC
P04	Stage 1 - Suitable for Stage Approval	18/09/25	BM	BM CD
P03	Key Updated	27/08/25	BM	SP CD
P02	Stage 1 - Suitable for Review & Comment	22/08/25	BM	IMH CD
P01	First Revision	04/06/25	BM	IMH CD
Rev.	Revision Notes	Date	Drawn By	Checked Approved

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PROJECT

COLEG GWENT KNOWLEDGE QUARTER

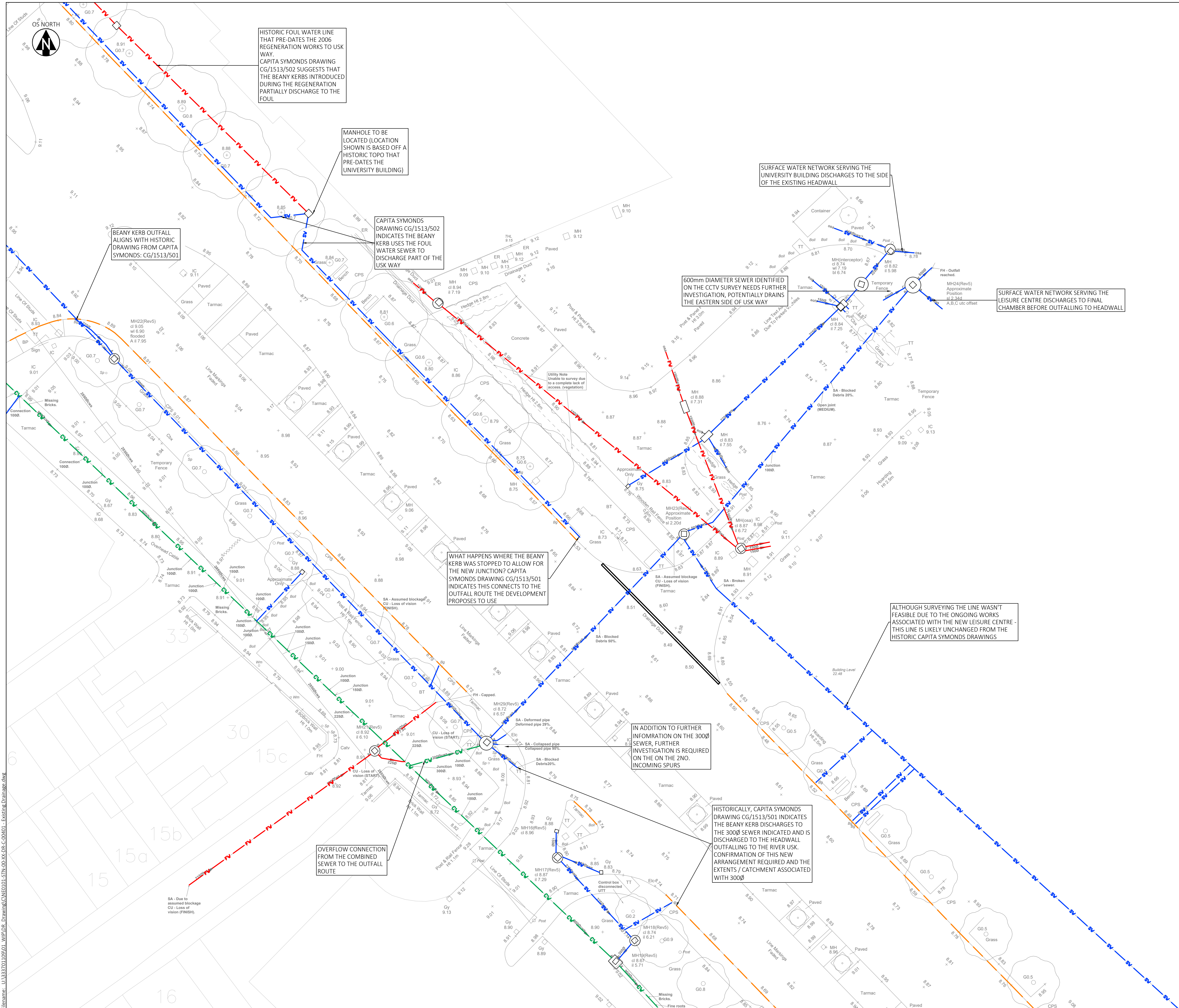
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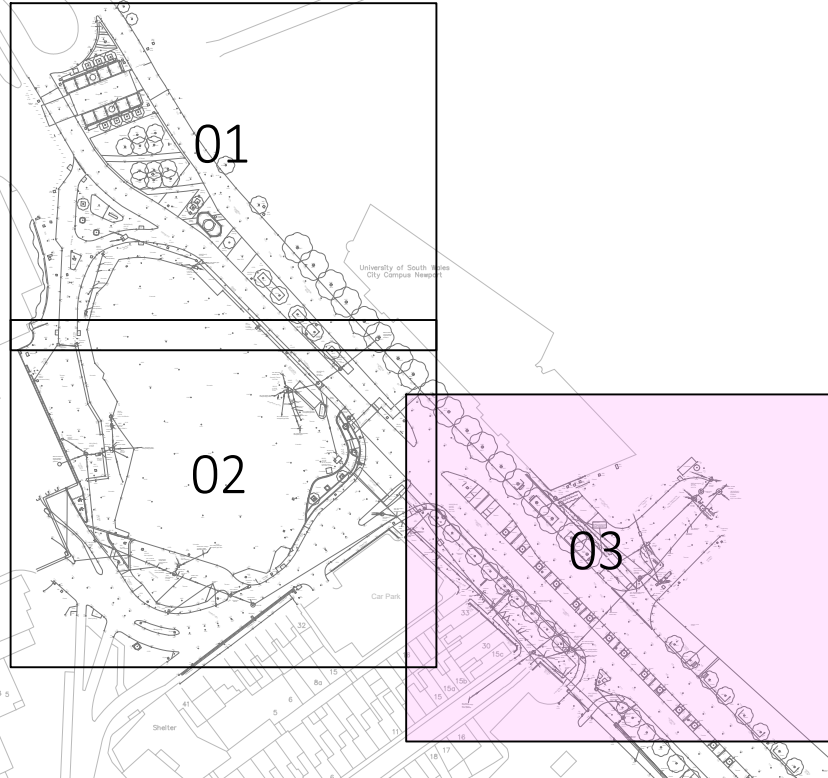
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STATUS DESCRIPTION	RIBA STAGE 3 COMPLETE				A2b
DRAWING NO.	NE0101-STN-00-XX-DR-C-00403				REVISION

P06

Filename: U:\333701109\01_WP\DR_Drawing\CMVE001-STN-00-XX-DR-C-00401 - Existing Drainage.dwg



DO NOT SCALE



KEY PLAN (SCALE 1:2500)

- NOTES:
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LEGEND

- HIGHWAYS COMBINED DRAINAGE KERB
- EXISTING SURFACE WATER
- EXISTING SURFACE WATER MADE REDUNDANT
- EXISTING FOUL WATER
- EXISTING FOUL WATER MADE REDUNDANT
- ADOPTED COMBINED WATER
- ADOPTED COMBINED WATER MADE REDUNDANT

P06	Additional notes at outfall added	31/07/26	DT	RC CD
P05	Updated to reflect survey info	22/07/26	DT	RC CD
P04	Stage 1 - Suitable for Stage Approval	18/09/25	BM	BM CD
P03	Outfall II. Added + Leisure Centre Drainage Added to Key	26/08/25	BM	SP CD
P02	Stage 1 - Suitable for Review & Comment	22/08/25	BM	IMH CD
P01	First Revision	04/06/25	BM	IMH CD
Rev.	Revision Notes	Date	Drawn By	Checked Approved

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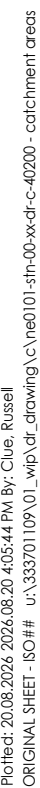
PROJECT
COLEG GWENT KNOWLEDGE QUARTER

TITLE
EXISTING DRAINAGE - SHEET 3

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STATUS DESCRIPTION RIBA STAGE 3 COMPLETE	REVISION P06	
DRAWING NO. NE0101-STN-00-XX-DR-C-00404		

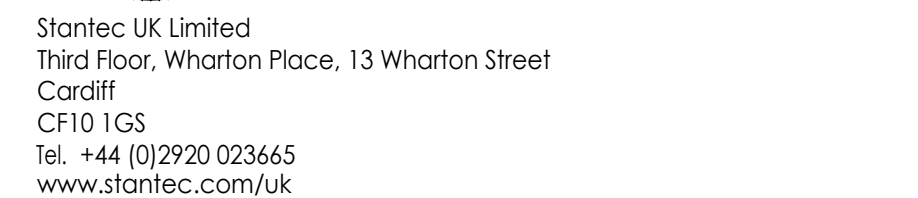
Appendix C Modelled Catchment & Network





Total Drained Area = 20,670m²

NE0101-STN-00-XX-DR-C-40200



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 SURFACE WATER PIPE
 JUNCTION
 STORM WATER CONTROL

P02 UPDATED TO NEW SITE LAYOUT	DT	RC	20.08.2026
P01 FIRST ISSUE	DT	RC	31.07.2026
Issued/Revision	By	Appd	DD.MM.YYYY

A2 - PLANNING

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Client/Project
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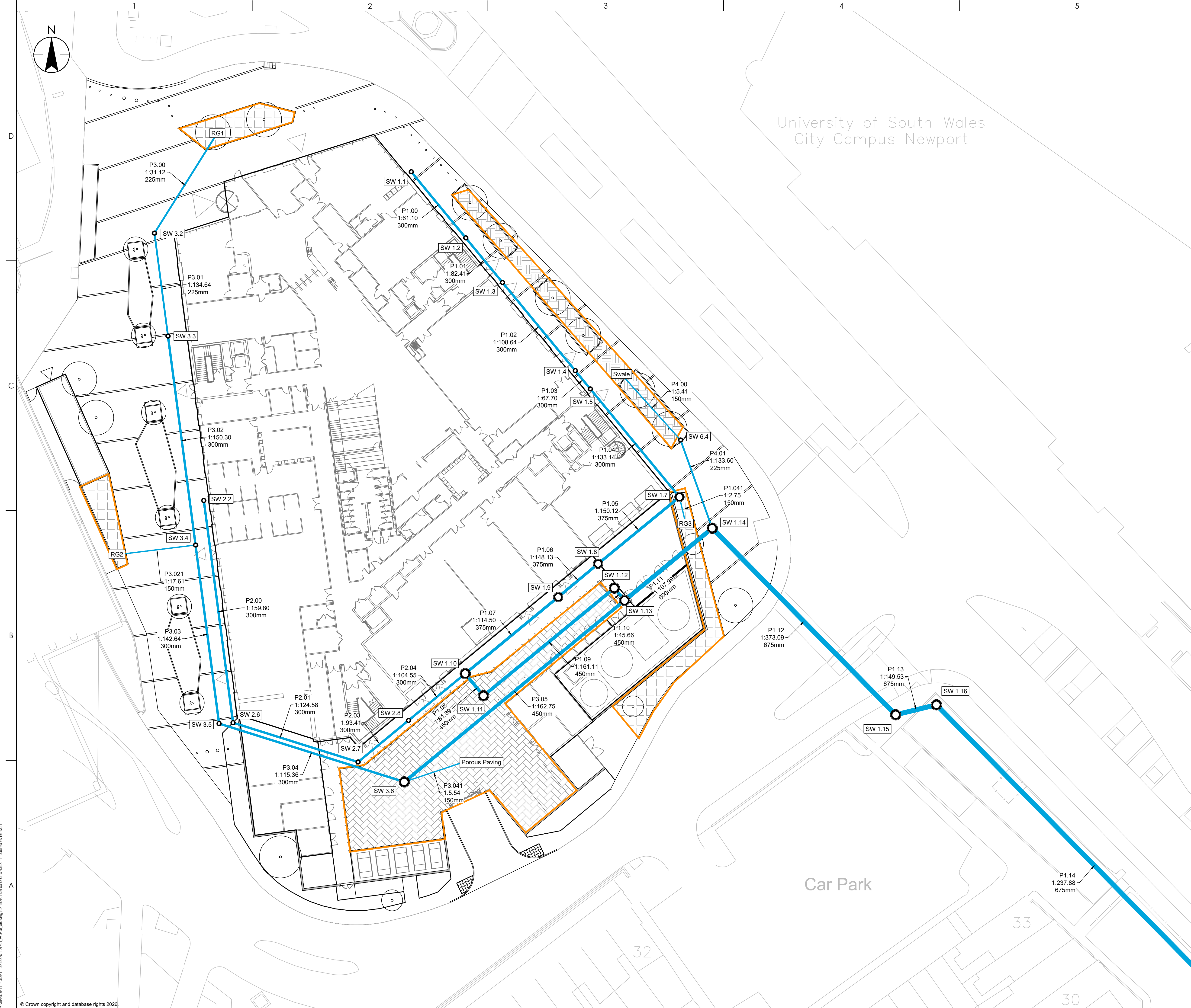
COLEG GWENT KNOWLEDGE QUARTER

Title

MODELLED SW NETWORK

Project No.	A1 Scale
333701109	1:250

Revision	Drawing No.
P02	NE0101-STN-00-XX-DR-C-40300



collected: 20.08.2026 2026.08.20 3:58:42 PM by: Thorburn, Dylan
ORIGINAL SHEET - ISQA1 uc333701109101 wbn dr drwings c:\ne0101-sfn-00-xx-dr-c-40300 - modelled sw network

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Appendix D Proposed Network Results



Coleg Gwent Knowledge Quarter: Proposed SW Caclulations	Date: 27/05/2026			
	Designed by: rclue	Checked by:	Approved By:	
Report Details: Type: Inflows Storm Phase: Phase	Company Address:			



PA (26)

Type : Catchment Area

Area (ha)	0.011
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.750
Winter Volumetric Runoff	0.750
Time of Concentration (mins)	5
Percentage Impervious (%)	100



PA (13)

Type : Catchment Area

Area (ha)	0.076
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	7.5
Percentage Impervious (%)	100



PA (27)

Type : Catchment Area

Area (ha)	0.013
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.750
Winter Volumetric Runoff	0.750
Time of Concentration (mins)	5
Percentage Impervious (%)	100



PA (4)

Type : Catchment Area

Area (ha)	0.039
-----------	-------

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100