

NB: EXISTING SEWER BETWEEN CWMH05 AND CWMH04 TO BE LINED TO STRENGTHEN SEWER IN LINE WITH TW REQUIREMENTS TBC BY APPOINTED CONTRACTOR IN LIAISON WITH TW AND ST GEORGE WEST LONDON

EXISTING VENT SHAFT TO BE MAINTAINED AND NEW 225mm VENT TO BE ROUTED TO HIGH LEVEL. ROUTE TO ATMOSPHERE TBC

NEW 150mm SURFACE WATER CONNECTION FROM DEVELOPMENT IL = 26.000

NEW 150mm FOUL WATER CONNECTION FROM DEVELOPMENT IL = 25.800

PROPOSED SITE FOUL WATER CONNECTION 225mm IL TBC BACKDROP/DROP SHAFT DETAILS TO BE AGREED WITH THAMES WATER

LEGEND

EXISTING STORM WATER MANHOLES
EXISTING FOUL WATER MANHOLES
EXISTING COMBINED WATER MANHOLES
PROPOSED FOUL WATER SEWER DIVERSION
PROPOSED SURFACE WATER SEWER DIVERSION
PROPOSED COMBINED WATER MANHOLES
FLOW ARROW
SEWER 3m EASEMENT
SEWER TO BE ABANDONED
SITE BOUNDARY
BASEMENT BOUNDARY

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS.
- THIS DRAWING HAS BEEN PRODUCED ELECTRONICALLY AND MAY HAVE BEEN PHOTO REDUCED OR ENLARGED WHEN COPIED. HENCE, DO NOT RELY ON ANY SCALES QUOTED. WORK ONLY TO FIGURED DIMENSIONS (DO NOT SCALE). ALL DIMENSIONS TO BE CHECKED ON SITE. ANY ERRORS OR OMISSIONS TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
- ALL ADAPTABLE DRAINAGE WORKS TO BE CONSTRUCTED AS DETAILED IN THE CODE FOR ADOPTION DESIGN AND CONSTRUCTION GUIDANCE AND THAMES WATER'S LOCAL PRACTICE.
- EXISTING SEWER INFORMATION BASED ON PLOWMAN CRAVEN LINE AND LEVEL SURVEY, 13TH JULY 2020, WHERE AVAILABLE AND MURPHY'S UTILITY SURVEY, JUNE 2020.
- ALL DIVESTED/ABANDONED PUBLIC SEWERS TO BE REMOVED FROM THE GROUND

C.D.M.

SIGNIFICANT RISKS AND HAZARDS:

EXISTING BRICK/LARGE DIAMETER SEWERS CROSSING SITE AT LOW LEVEL.
EXISTING BELOW GROUND VAULTS ALONG NORTHERN SITE BOUNDARY. NEW PIPE RUNS ADJACENT TO PROPOSED FOUNDATION/PILES WORKS UNDERTAKEN ON LIVE SEWER

KEY DESIGN DECISIONS TO REDUCE OR ELIMINATE HAZARDS:

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REFER TO SITESIDE RISK REGISTER FOR ADDITIONAL INFORMATION
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WORKS TO BE UNDERTAKEN BY APPROVED TW CONTRACTOR, TWOSA TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS

THIS DRAWING IS BASED ON THE FOLLOWING CONSULTANTS FILES

SURVEY-PLOWMAN CRAVEN - 45004T-01,02 - REV 03
MURPHY - 2020-06-17-U - REV A
LANDSCAPE ARCHITECT-1573-101
ARCHITECT-1095_00_06_100 - REV P02

T02	02.03.21	CA	REVISED WERE CLOUDED
T01	09.02.21	CA	ISSUED FOR TENDER
P02	05.02.21	CA	ISSUED TO TW PREVIOUSLY ISSUED AS 5359-WAL-ZZ-GF-DR-D-3012
P01	11.01.21	EB	ISSUED TO TW
W01	15.12.20	IC	FIRST ISSUE - FOR COMMENT - WIP
R	D		

ST. GEORGE WEST LONDON

CAMDEN GOODS YARD (PHASE 2)

SECTION 185 - SEWER DIVERSION LAYOUT

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e: london@walsh.co.uk
walsh.co.uk

TENDER

ISSUED FOR CONTRACTOR TENDER, SUBJECT TO THAMES WATER REVIEW AND APPROVAL

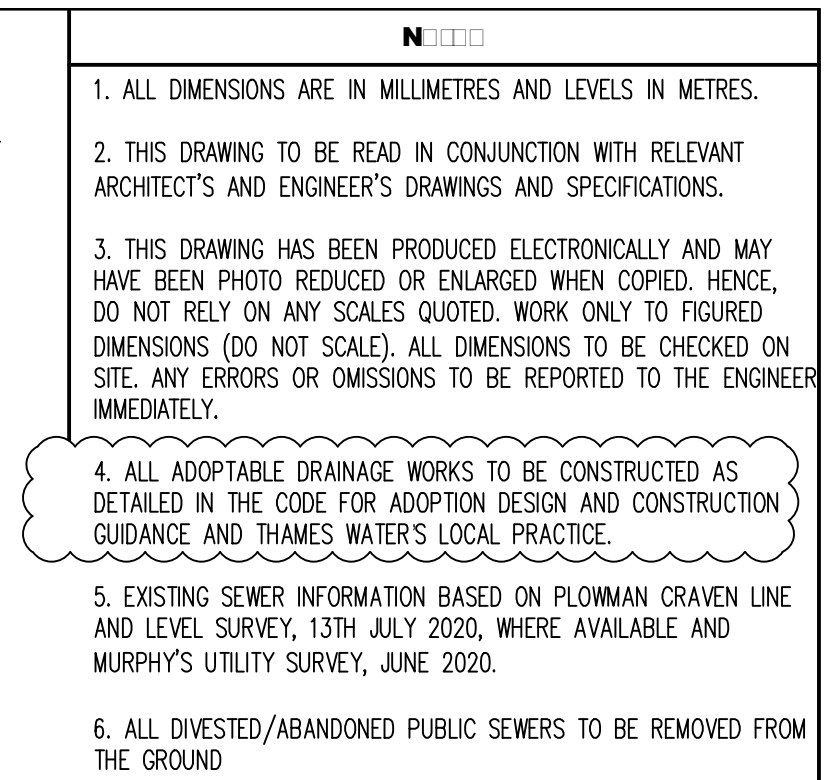
Dr	IC	A	S	1:500
D	15.12.20	HW	JK	AS
WA R	4359			

ACTUAL DIMENSION = 80mm

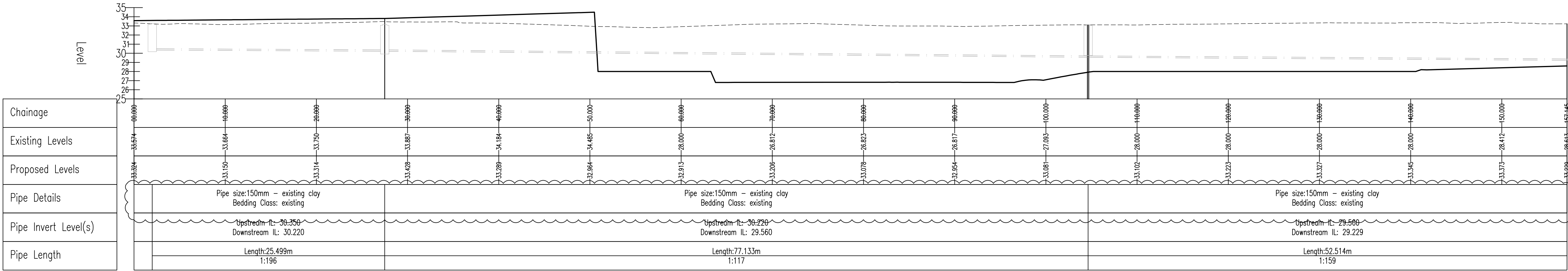
Dr N R

CGY00-WAL-XXX-ZZ-DR-CV-3012 T02

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	C.D.M.
SIGNIFICANT RISKS AND HAZARDS:	
<p>EXISTING BRICK,LARGE DIAMETER SEWERS CROSSING SITE AT LOW LEVEL.</p> <p>EXISTING BELOW GROUND VAULTS ALONG NORTHERN SITE BOUNDARY.</p> <p>NEW PIPE RUNS ADJACENT TO PROPOSED FOUNDATION/PILES</p> <p>WORKS UNDERTAKEN ON LIVE SEWER</p>	
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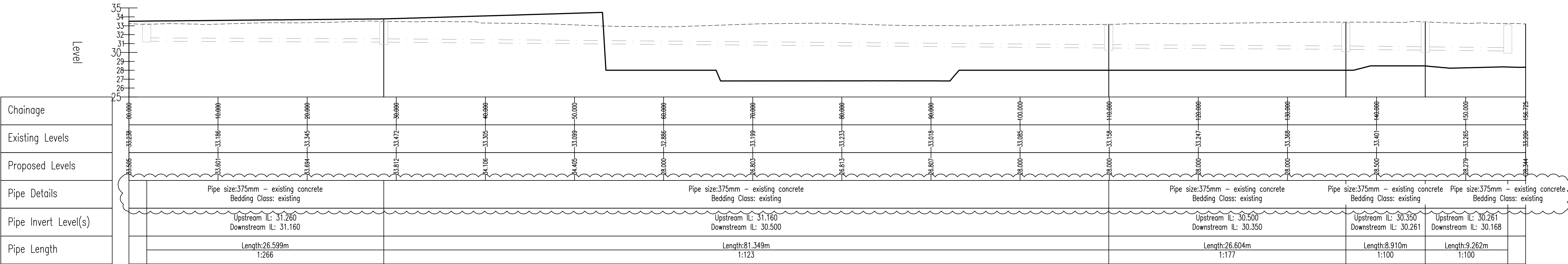
ALIGNMENT – EXISTING FOUL – GILBEYS – LONGSECTION
SCALE: H 1:250,V 1:250. DATUM: 25.000

- Notes**
1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES.
 2. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS.
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 4. REFER TO DRAWING 5359-WAL-ZZ-GF-DR-D-3014 FOR LONG SECTION POSITIONS.
 - 5 ALL ADAPTABLE DRAINAGE WORKS TO BE CONSTRUCTED AS DETAILED IN THE CODE FOR ADPTION DESIGN AND CONSTRUCTION GUIDANCE AND THAMES WATER'S LOCAL PRACTICE

KEY

---	EXISTING GROUND LEVEL
---	PROPOSED GROUND LEVEL
---	EXISTING FOUL WATER SEWER
---	EXISTING STORM WATER SEWER

C.D.M.
SIGNIFICANT RISKS AND HAZARDS: EXISTING BRICK,LARGE DIAMETER SEWERS CROSSING SITE AT LOW LEVEL. EXISTING BELOW GROUND VAULTS ALONG NORTHERN SITE BOUNDARY. NEW PIPE RUNS ADJACENT TO PROPOSED FOUNDATION/PILES WORKS UNDERTAKEN ON LIVE SEWER
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ALIGNMENT – EXISTING STORM – GILBEYS – LONGSECTION
SCALE: H 1:250,V 1:250. DATUM: 25.000

T02	19.02.21	CAA	AMENDED TO TW COMMENTS WHERE CLOUDED
T01	09.02.21	MDL	ISSUED FOR TENDER
P02	05.02.21	MDL	REVISED TO COMMENTS; PREVIOUSLY ISSUED AS 5359-WAL-ZZ-GF-DR-D-3014
P01	12.01.21	IC	FIRST ISSUE
Rev.	Date	By	Details Of Revision

Client

ST. GEORGE WEST LONDON

Project

CAMDEN GOODS YARD (PHASE 2)

Title

S116/S104 – GILBEYS YARD
SEWER DIVERSION,
EXISTING LONG SECTIONS



Structural and Civil Engineers

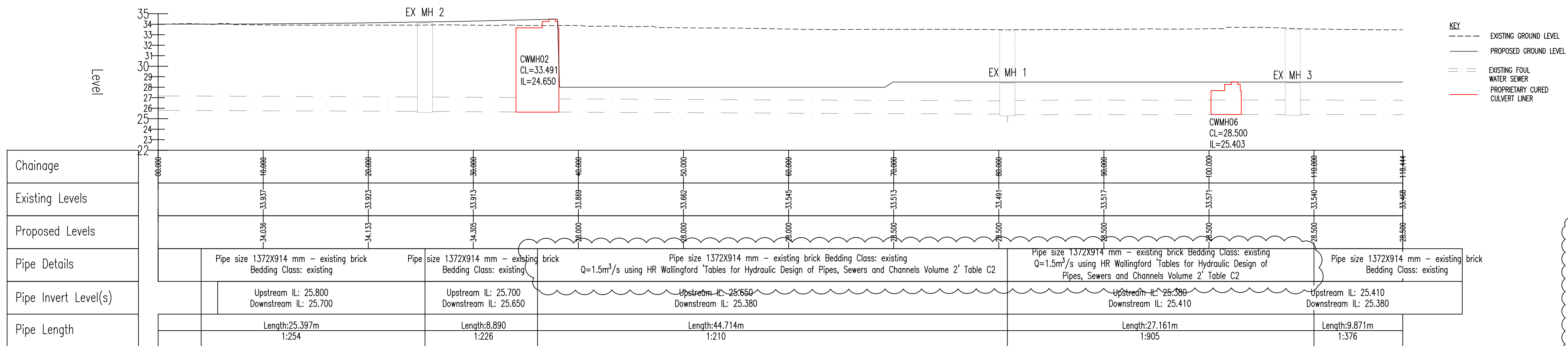
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walsh.co.uk

Status

TENDER

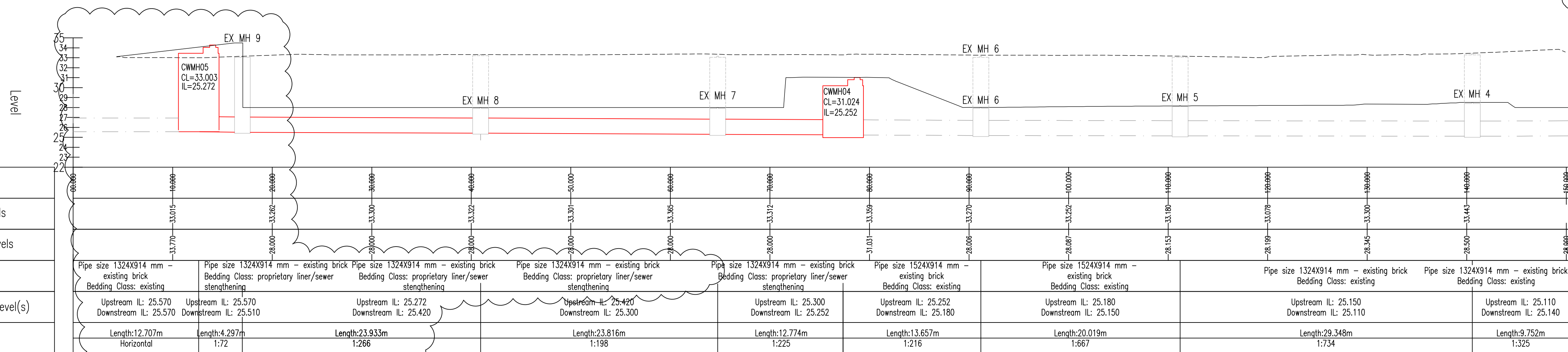
ISSUED FOR CONTRACTOR TENDER, SUBJECT TO THAMES WATER REVIEW AND APPROVAL

Drawn	IC	A1 Scales	1:250				
Date	15.12.20	Eng.	HW	Chk.	JK	App'd.	AS
WA Ref.	5359					Suitbity.	
ACTUAL DIMENSION = 80mm							
Drawing No. CGY00-WAL-XXX-ZZ-DR-CV-3014							
Rev. T02							



NB: EXISTING PIPE ARRANGEMENT SHOWN AGAINST PROPOSED GROUND AND MANHOLES. REFER TO DRAWING CGY00-WAL-XXX-ZZ-DR-CV-3013 FOR PROPOSED SEWER ALIGNMENT BETWEEN CWMH02 AND CWMH06

EXISTING SEWER ARRANGEMENT – LONG SECTION B – B
SCALE: H 1:250,V 1:250. DATUM: 22.000



EXISTING / PROPOSED SEWER ARRANGEMENT – LONG SECTION C – C
SCALE: H 1:250,V 1:250. DATUM: 22.000

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES.
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T02	02.03.21	CA	REVISED WHERE CLOUDED
T01	09.02.21	CA	ISSUED FOR TENDER
P02	05.02.21	CA	UPDATED TO TW COMMENTS PREVIOUSLY ISSUED AS 5359-WAL-ZZ-GF-DR-D-3015
P01	12.01.21	IC	FIRST ISSUE
R	D		D O R

ST. GEORGE WEST LONDON

CAMDEN GOODS YARD (PHASE 2)

S185 – SEWER DIVERSION,
EXISTING LONG SECTIONS



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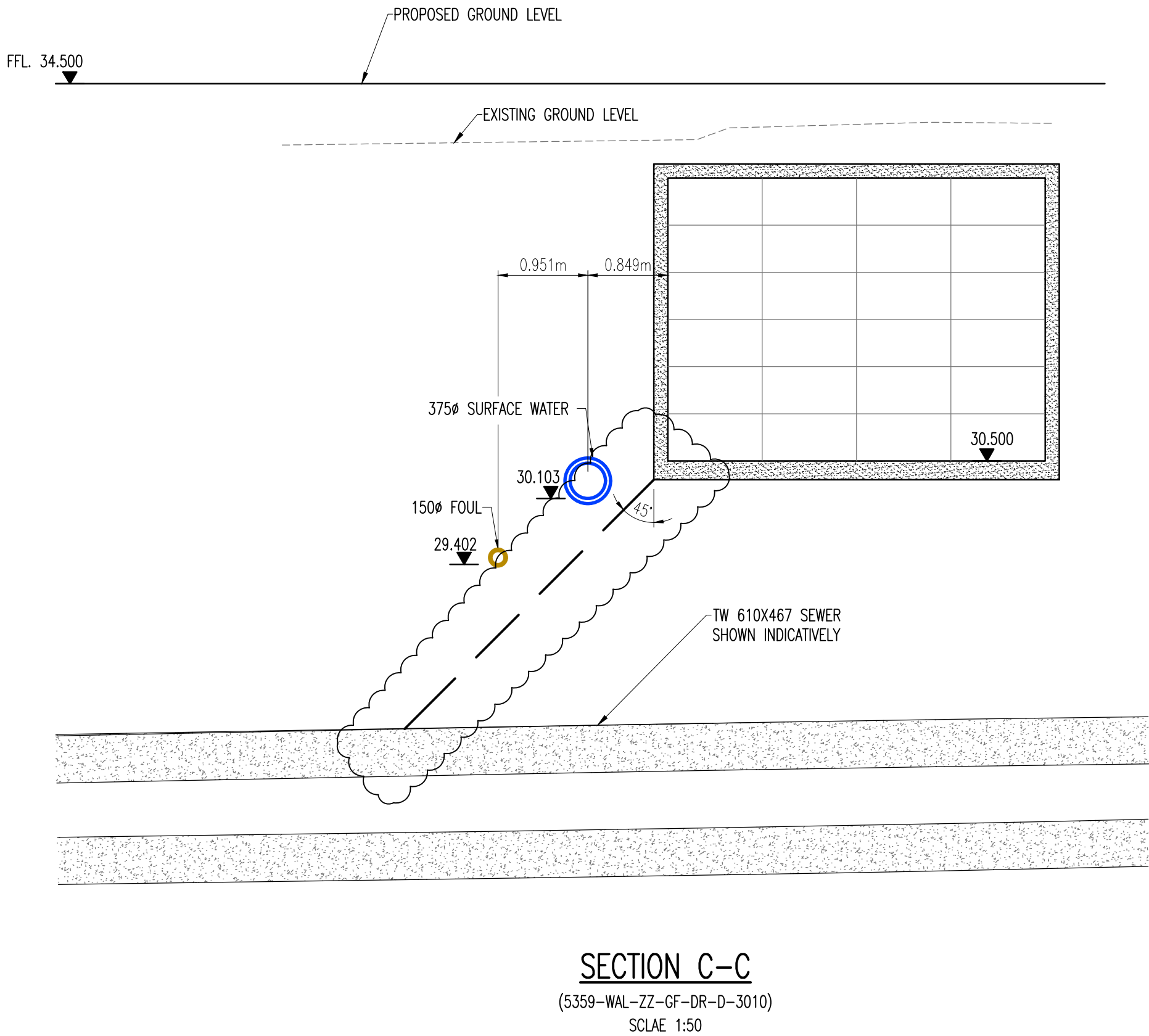
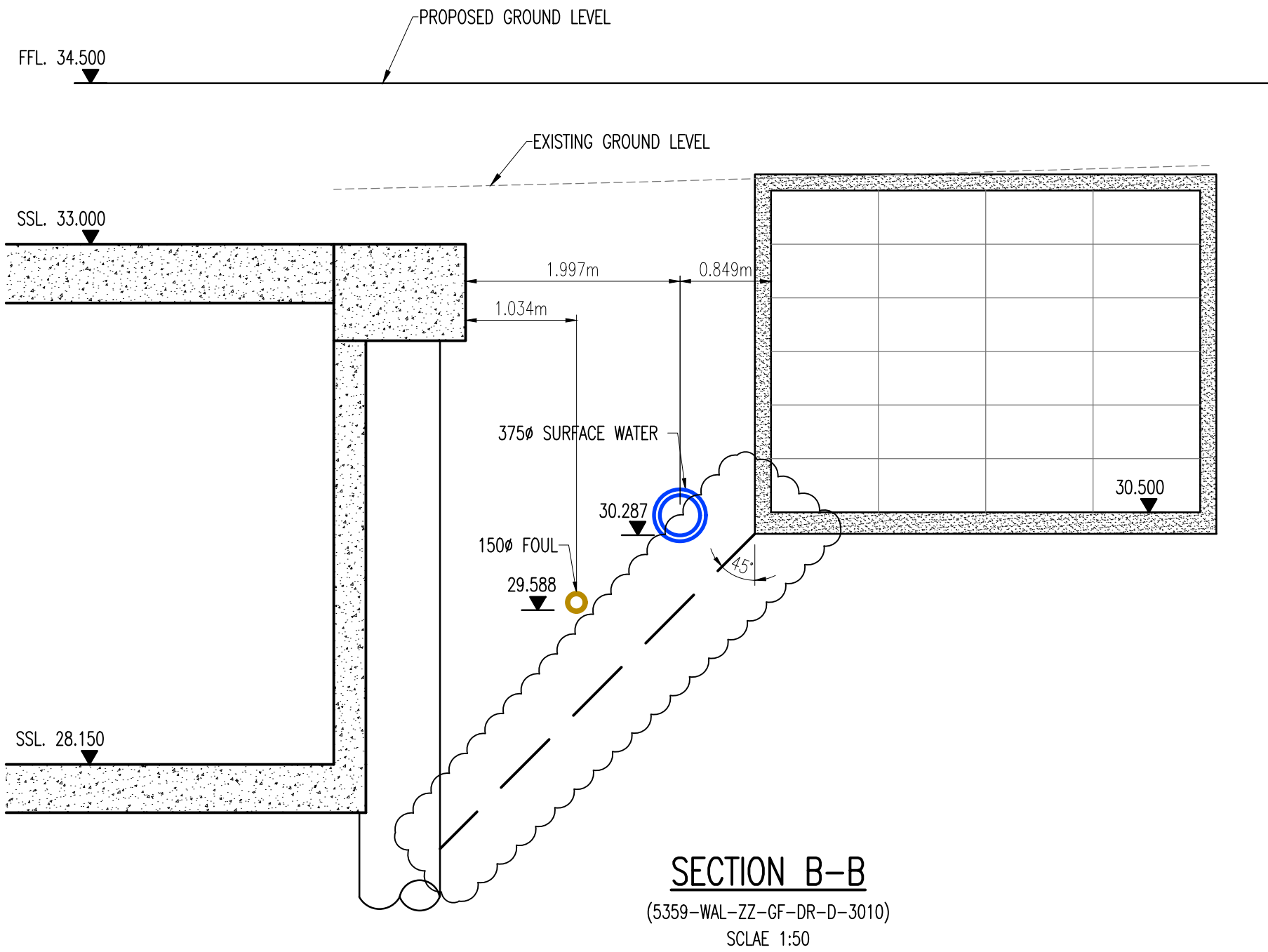
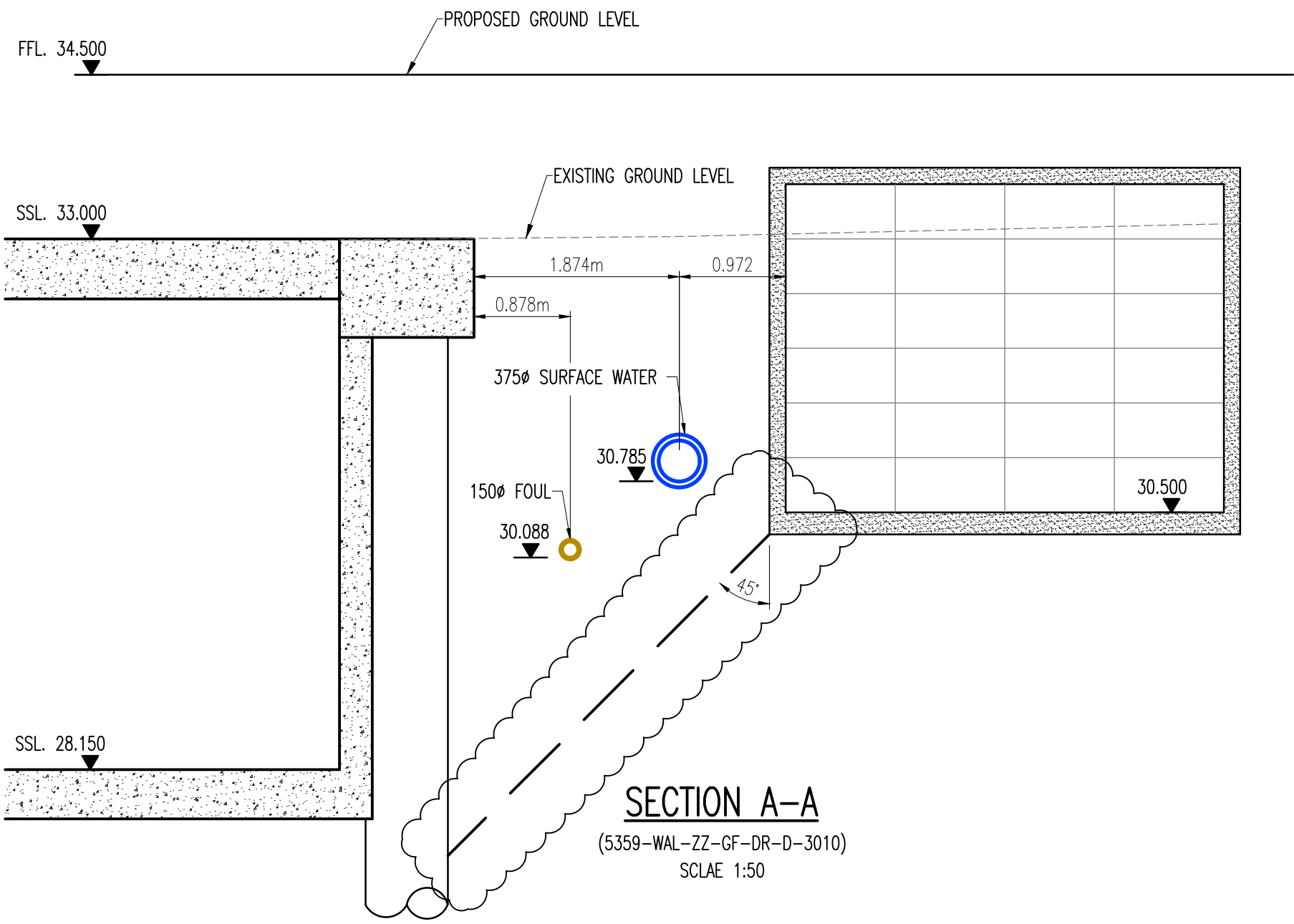
TENDER

ISSUED FOR CONTRACTOR TENDER, SUBJECT
TO THAMES WATER REVIEW AND APPROVAL

Dr	IC	A	S	1:250
D	15.12.20	E	HW	C JK A'd AS
WA R	4359			S



CGY00-WAL-XXX-ZZ-DR-CV-3015 T02



- Notes**
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 4. REFER TO DRAWING 5359-WAL-ZZ-GF-DR-D-3010 FOR PLAN VIEW
 5. ALL ADOPTION DRAINAGE WORKS TO BE CONSTRUCTED AS DETAILED IN THE CODE FOR ADOPTION DESIGN AND CONSTRUCTION GUIDANCE AND THAMES WATER'S LOCAL PRACTICE

C.D.M.	
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T02	19.02.21	CAA	AMENDED TO TW COMMENTS WHERE CLOUDED
T01	09.02.21	MDL	ISSUED FOR TENDER
P01	02.02.21	MDL	FIRST ISSUE
Rev.	Date	By	Details Of Revision

Client

ST. GEORGE WEST LONDON

Project

CAMDEN GOODS YARD (PHASE 2)

Title


S116/S104 – GILBEYS YARD
SEWER DIVERSION,
CROSS SECTIONS



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Status							
<div>TENDER</div> <div>ISSUED FOR CONTRACTOR TENDER, SUBJECT TO THAMES WATER REVIEW AND APPROVAL</div>							
Drawn	IC	A1 Scales 1:50					
Date	15.12.20	Eng.	HW	Chk.	JK	App'd.	AS
WA Ref.	5359					Suitbity.	
<div>ACTUAL DIMENSION = 80mm</div> <div></div>							
Drawing No.						Rev.	
CGY00-WAL-XXX-ZZ-DR-CV-3016						T02	

PROPOSED FOUL WATER MANHOLE SCHEDULE																		
MANHOLE REF	CL	INCOMING PIPE IL's	OUTGOING IL	DEPTH ##	MH WIDTH (mm)	MH LENGTH (mm)	MH Ø (mm)	MH TYPE	SUMP DEPTH (CP)	COVER SIZE (mm)	COVER GRADE	PIPE SIZE OUT (mm)	PIPE TYPE	BEDDING CLASS	STATUS	EASTING	NORTHING	NOTES
FWMH01	34.482	30.165 (150ø)	30.165	4.317			1200	A	0.000	600x600	C250	150ø	CLAY	B	MANHOLE TYPE A 1200MM ACCESS SHAFT (FOR LADDER)	528470.704	184116.830	
FWMH02	33.973	29.345 (150ø)	29.157	4.816			1200	A	0.000	600x600	C250	150ø	CLAY	B	MANHOLE TYPE A 1200MM ACCESS SHAFT (FOR LADDER)	528537.486	184150.661	

PROPOSED SURFACE WATER MANHOLE SCHEDULE																		
MANHOLE REF	CL	INCOMING PIPE IL's	OUTGOING IL	DEPTH ##	MH WIDTH (mm)	MH LENGTH (mm)	MH Ø (mm)	MH TYPE	SUMP DEPTH (CP)	COVER SIZE (mm)	COVER GRADE	PIPE SIZE OUT (mm)	PIPE TYPE	BEDDING CLASS	STATUS	EASTING	NORTHING	NOTES
SWMH103	34.449	30.840 (375ø)	30.840	3.609			1350	A	0.000	600x600	C250	375ø	CONCRETE	B	MANHOLE TYPE A 1200MM ACCESS SHAFT (FOR LADDER)	528472.964	184116.855	
SWMH105	33.965	30.025 (375ø)	30.025	3.940			1350	A	0.000	600x600	C250	375ø	CONCRETE	B	MANHOLE TYPE A 1200MM ACCESS SHAFT (FOR LADDER)	528539.554	184150.648	

PROPOSED COMBINED WATER MANHOLE SCHEDULE																		
MANHOLE REF	CL	INCOMING PIPE IL's	OUTGOING IL	DEPTH ##	MH WIDTH (mm)	MH LENGTH (mm)	MH Ø (mm)	MH TYPE	SUMP DEPTH (CP)	COVER SIZE (mm)	COVER GRADE	PIPE SIZE OUT (mm)	PIPE TYPE	BEDDING CLASS	STATUS	EASTING	NORTHING	NOTES
CWMH01	33.896	30.165 (150ø) 30.840 (375ø)	28.870	1.150			1350	A	0.000	600x600	C250	450ø	CONCRETE	B	MANHOLE TYPE A 1200MM ACCESS SHAFT (FOR LADDER)	528543.270	184169.591	

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C.D.M.

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SURVEY-PLOWMAN CRAVEN – 45004T-01,02 – REV 03
MURPHY – 2020-06-17-U – REV A
LANDSCAPE ARCHITECT-1573-101

ARCHITECT-1095_00_06_100 – REV P02

T01

19.02.21

CA

FIRST ISSUE

Rev.

Date

By

Details Of Revision

Client

ST. GEORGE WEST LONDON

Project

CAMDEN GOODS YARD (PHASE 2)

Title

S106/104 – GILBEYS YARD
MANHOLE SCHEDULE

W

W

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Status

TENDER

ISSUED FOR CONTRACTOR TENDER, SUBJECT TO THAMES WATER REVIEW AND APPROVAL

Drawn

CAA

A1 Scales

N/A

Date

17/02/21

Eng.

HW

Chk.

JK

App'd.

WA Ref.

5359

Suitbity.

ACTUAL DIMENSION = 80mm

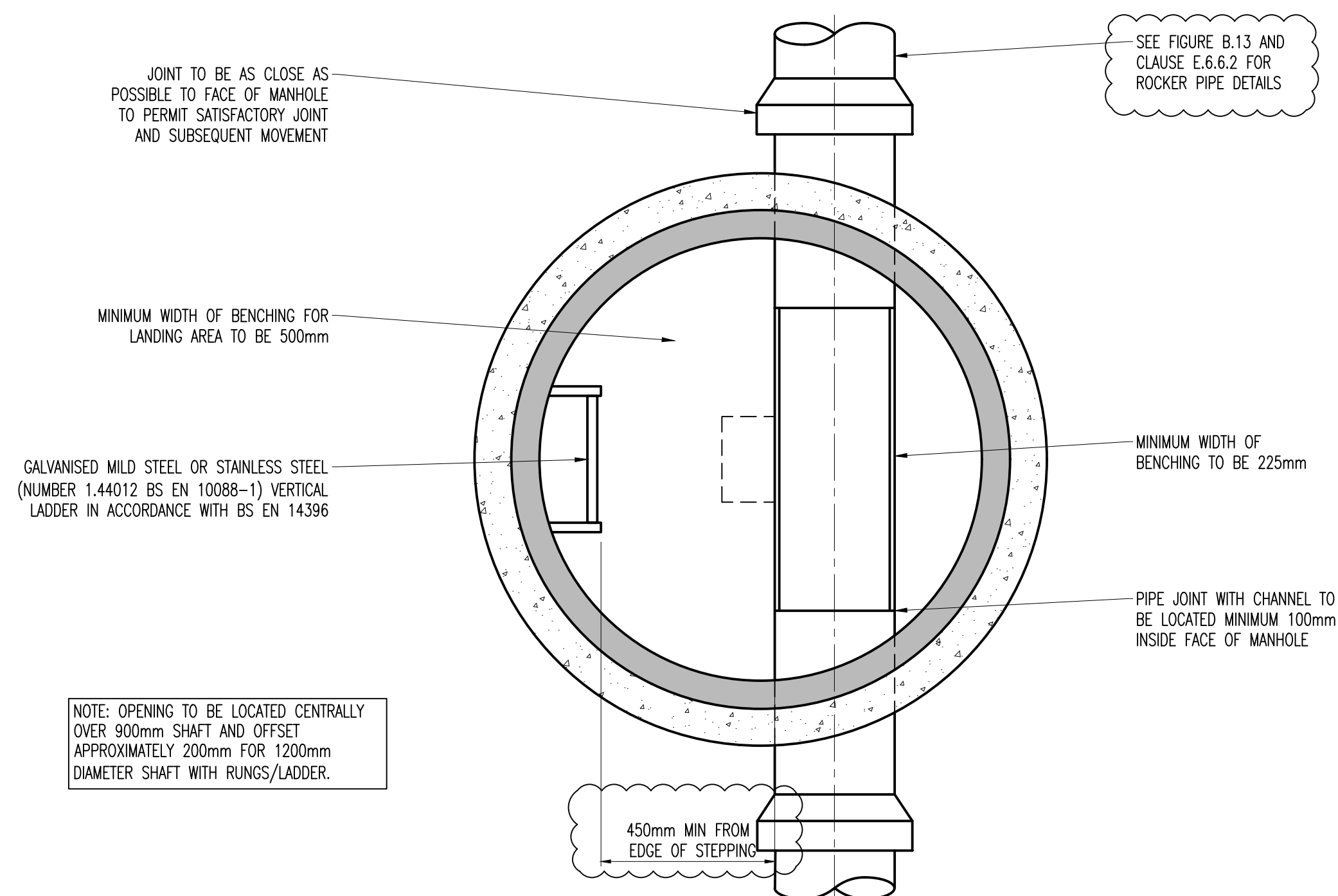
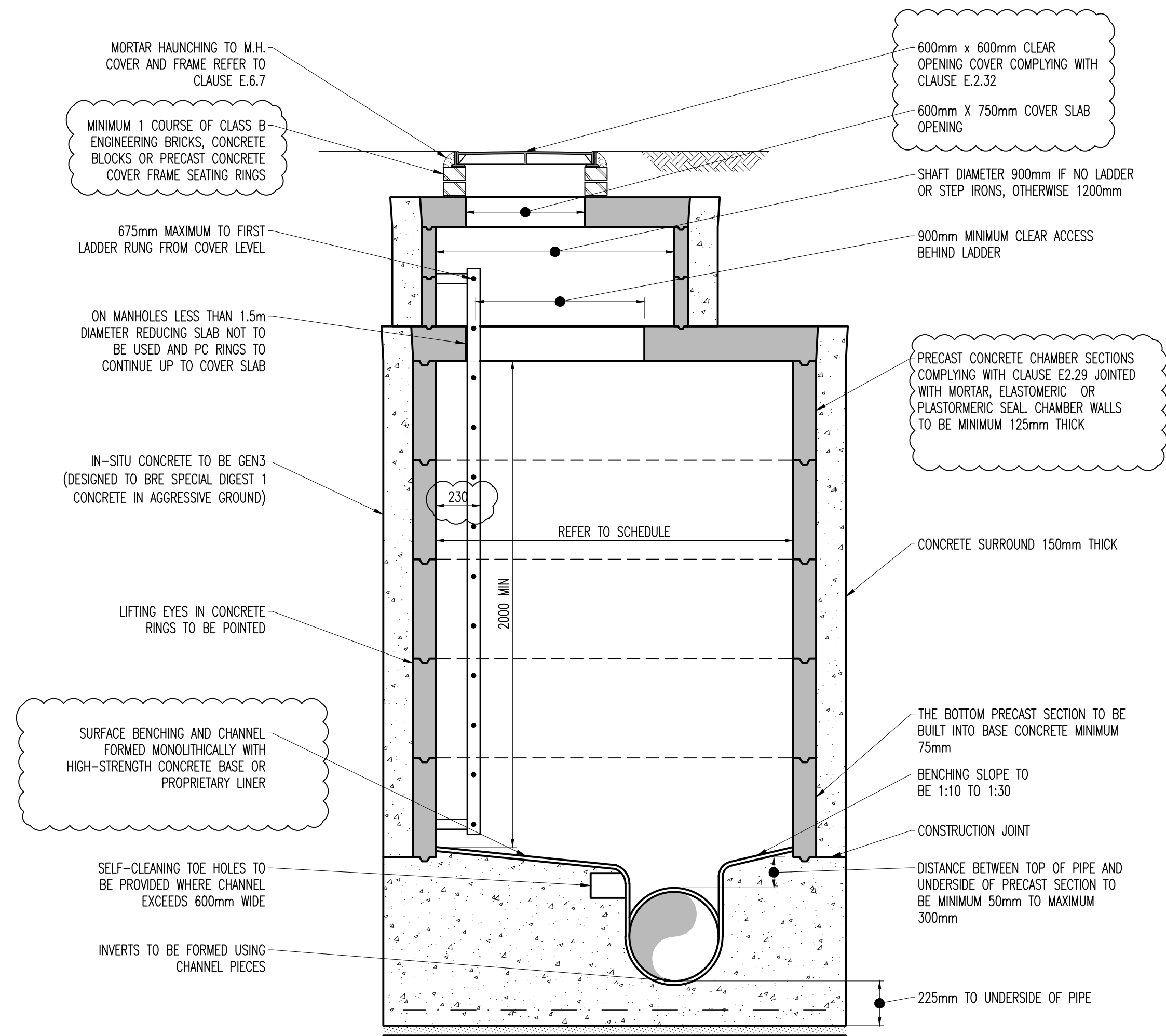
Drawing No.

CCY00-WAL-XXX-ZZ-DR-CV-3017

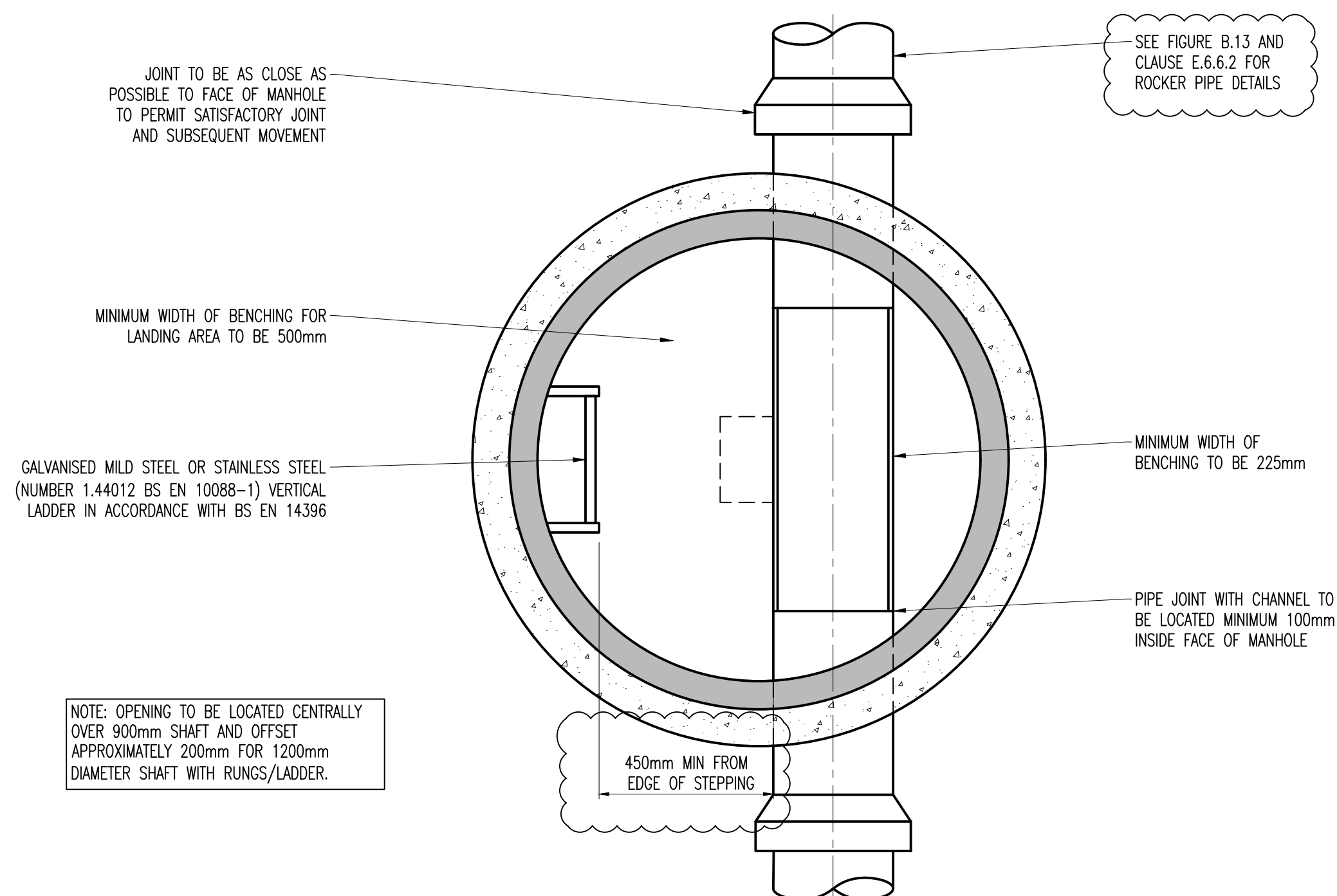
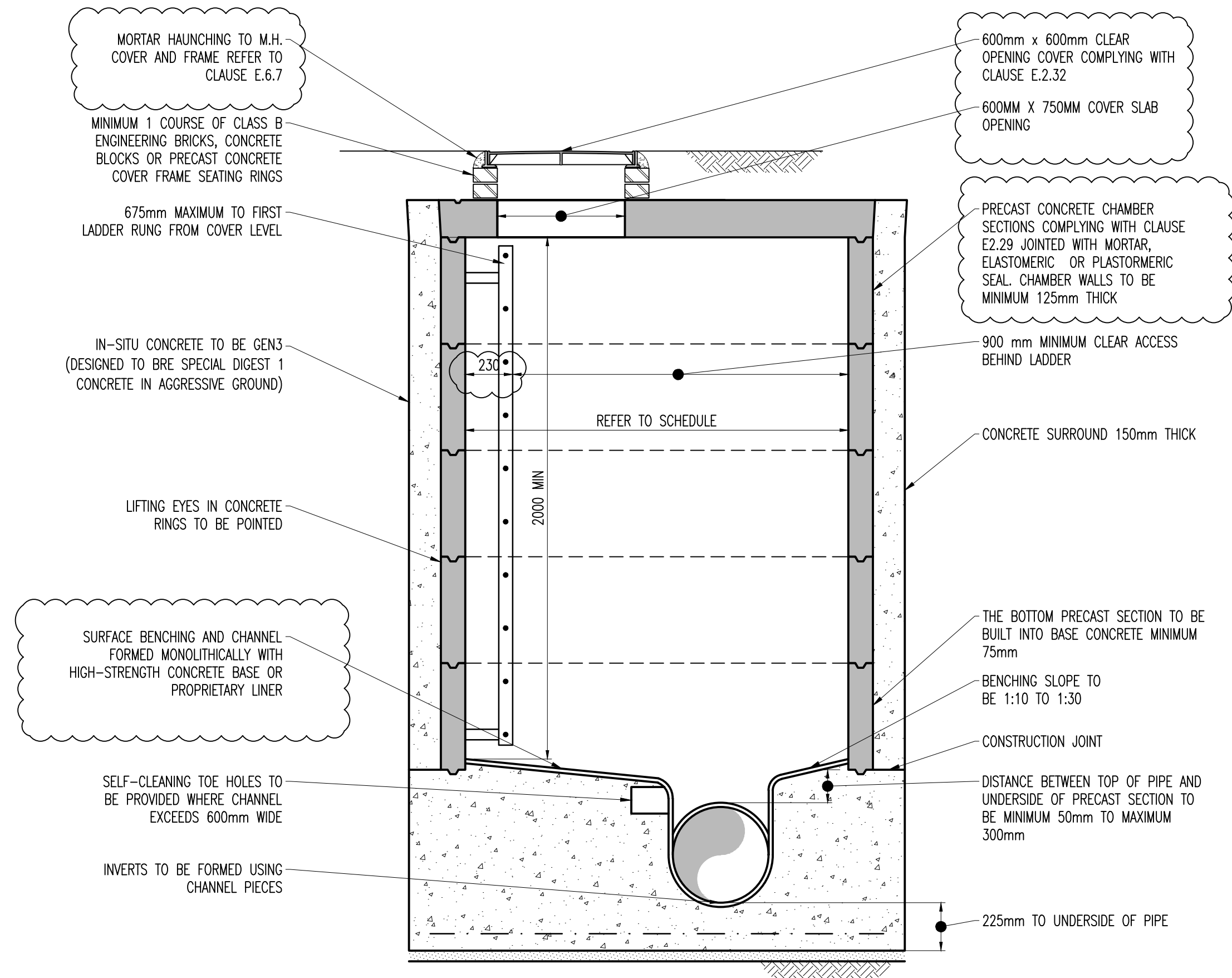
Rev.

T01

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TYPICAL MANHOLE DETAIL TYPE A1
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3m to 6m WITH LADDER
RIGID MATERIAL CONSTRUCTION WITH CONCRETE SURROUND
 (SCALE 1:20)



TYPICAL MANHOLE DETAIL TYPE A2
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3m to 6m WITH LADDER
RIGID MATERIAL CONSTRUCTION WITH CONCRETE SURROUND
 (SCALE 1:20)

- Notes**

 1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES.
 2. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS.
 3. THIS DRAWING HAS BEEN PRODUCED ELECTRONICALLY AND MAY HAVE BEEN PHOTO REDUCED OR ENLARGED WHEN COPIED. HENCE, DO NOT RELY ON ANY SCALES QUOTED. WORK ONLY TO FIGURED DIMENSIONS (DO NOT SCALE). ALL DIMENSIONS TO BE CHECKED ON SITE. ANY ERRORS OR OMISSIONS TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
 4. ALL ADAPTABLE DRAINAGE WORKS TO BE CONSTRUCTED AS DETAILED IN THE CODE FOR ADDITIONAL DESIGN AND CONSTRUCTION GUIDANCE AND THAMES WATER'S LOCAL PRACTICE

C.D.M.	
SIGNIFICANT RISKS AND HAZARDS:	
EXISTING BRICK,LARGE DIAMETER SEWERS CROSSING SITE AT LOW LEVEL.	
EXISTING BELOW GROUND VAULTS ALONG NORTHERN SITE BOUNDARY.	
NEW PIPE RUNS ADJACENT TO PROPOSED FOUNDATION/PILES	
WORKS UNDERTAKEN ON LEV SEWER	
KEY DESIGN DECISIONS TO REDUCE OR ELIMINATE HAZARDS:	
NUMEROUS SURVEYS UNDERTAKEN TO IDENTIFY EXISTING BURIED STRUCTURES. CONTRACTOR TO REVIEW SURVEYS AHEAD OF START OF WORKS AND UNDERTAKE ADDITIONAL ON-SITE INVESTIGATIONS WHERE REQUIRED.	
REFER TO SITEWIDE RISK REGISTER FOR ADDITIONAL INFORMATION	
NEW DRAINAGE TO BE INSTALLED AFTER PILLING, PIPE RUNS SUBJECT TO A BUILDING OVER AGREEMENT WITH THAMES WATER, GROUND MOVEMENT ANALYSIS UNDERTAKEN AS PART OF TW APPROVAL TO CONFIRM LOADING FROM FOUNDATIONS DO NOT EXCEED THAMES WATER'S ACCEPTABLE LIMITS.	
WORKS TO BE UNDERTAKEN BY APPROVED TW CONTRACTOR, TWOSA TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS	

T02	19.02.21	CAA	AMENDED TO TW COMMENTS WHERE CLOUDED
T01	15.01.21	MDL	ISSUED FOR TENDER
P02	05.02.21	MDL	DRAWING NUMBER REVISED; WHEREISSUED AS 5359-WAL-ZX--DR-D--3412
P01	15.01.21	MDL	FIRST ISSUE
Rev.	Date	By	Details Of Revision

ST. GEORGE WEST LONDON

Project	CAMDEN GOODS YARD (PHASE 2)
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Title S116/104 GILBEY'S YARD
SEWER DIVERSION
ADOPTION MANHOLE DETAILS



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Status

TENDER

ISSUED FOR CONTRACTOR TENDER, SUBJECT
TO THAMES WATER REVIEW AND APPROVAL

Drawn	MDL	A1 Scales 1:200				
Date	22.10.20	Eng.	HW	Chk.	JK	App'd.
WA Ref.	4350					Suitblty.

ACTUAL DIMENSION = 80mm

Drawing No.

CGY00-WAL-XXX-ZZ-DR-CV-3412

Rev.