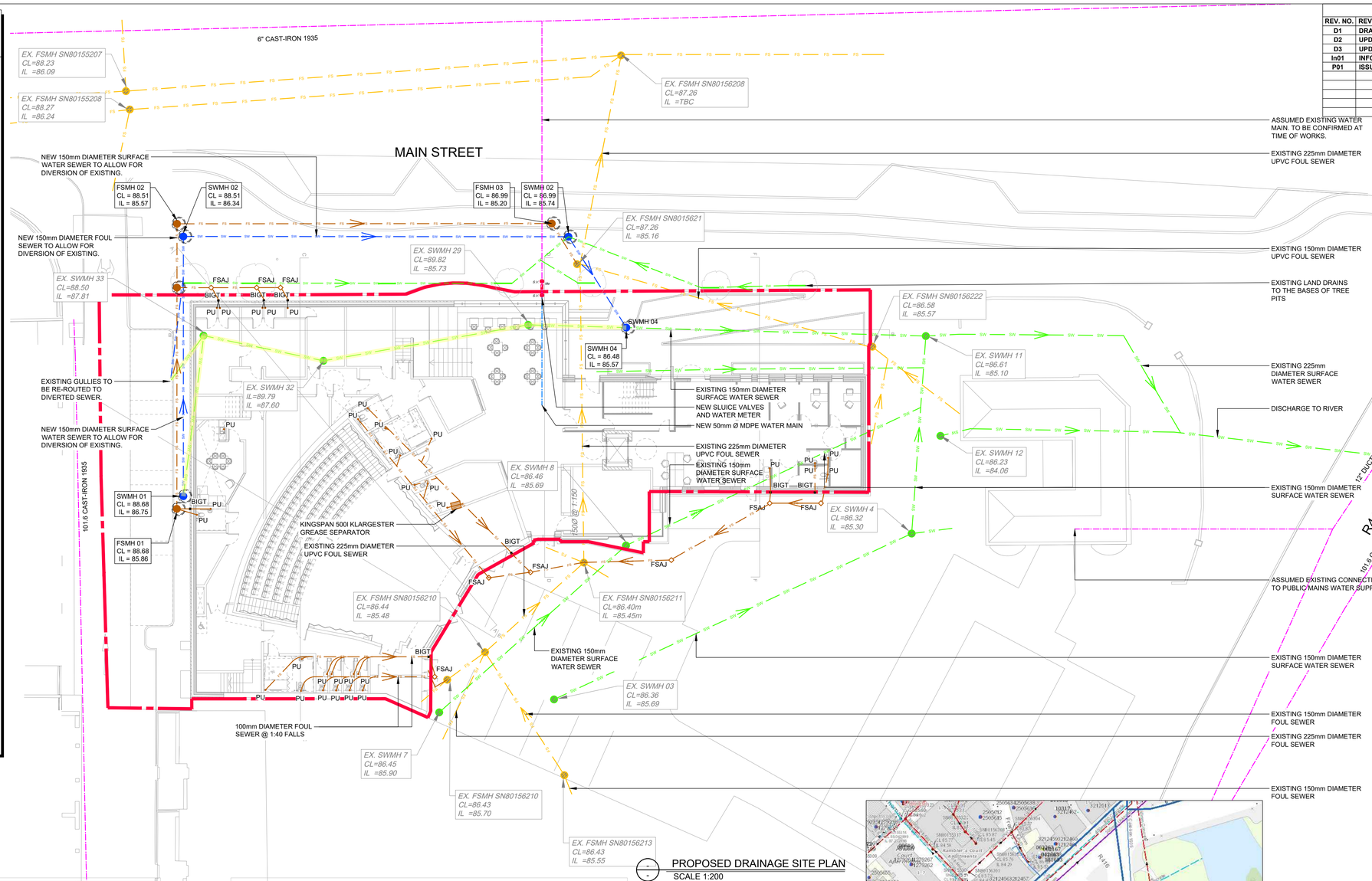
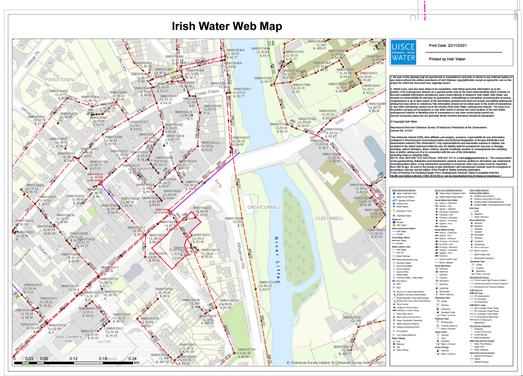
DRAINAGE LEGEND

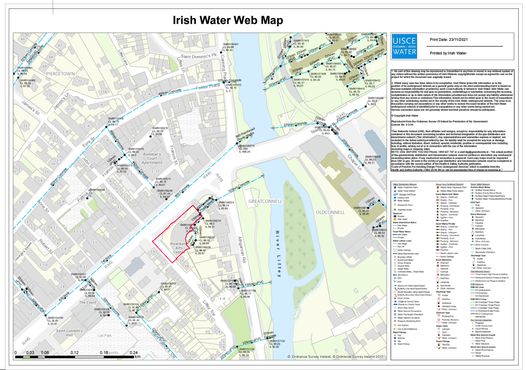
CS CS	COMBINED SEWER (EXISTING)
CS CS	COMBINED SEWER (NEW)
FS FS	FOUL SEWER (EXISTING)
FS FS	FOUL SEWER (NEW)
FS FS	FOUL SEWER (SLUNG FROM GROUND FLOOR SLAB)
SW SW	SURFACE WATER SEWER (EXISTING)
SW SW	SURFACE WATER SEWER (NEW)
SW SW	SURFACE WATER (SLUNG FROM GROUND FLOOR SLAB)
	SURFACE WATER LAND DRAIN AT TREE PIT
	GREY WATER SEWER (EXISTING)
	GREY WATER SEWER (NEW)
FS FS	FOUL SEWER RISING MAIN
SW SW	SURFACE WATER SEWER TO BE GRUBBED UP
	GREY WATER RISING MAIN
	EXISTING SEWER TO BE DECOMISSIONED
	EXISTING WATER MAIN
	PROPOSED WATER MAIN
	PROPOSED FLOOD PIPES
EX. CSMH / IC	EXISTING COMBINED SEWER MANHOLE / INSPECTION CHAMBER
EX. FSMH / IC	EXISTING FOUL SEWER MANHOLE / INSPECTION CHAMBER
EX. SWMH / IC	EXISTING SURFACE WATER MANHOLE / INSPECTION CHAMBER
EX. MH / IC	EXISTING MANHOLE / INSPECTION CHAMBER TO BE DEMOLISHED
CSMH / IC	NEW COMBINED SEWER MANHOLE / INSPECTION CHAMBER
FSMH / IC	NEW FOUL SEWER MANHOLE / INSPECTION CHAMBER
SWMH / IC	NEW SURFACE WATER MANHOLE / INSPECTION CHAMBER
EX. FSAJ	EXISTING FOUL SEWER ACCESS JUNCTION
EX. SWAJ	EXISTING SURFACE WATER ACCESS JUNCTION
EX. AJ	EXISTING ACCESS JUNCTION TO BE DEMOLISHED
FSAJ	NEW FOUL SEWER ACCESS JUNCTION
SWAJ	NEW SURFACE WATER ACCESS JUNCTION
EX. SVP	EXISTING SOIL VENT PIPE
EX. SVP	EXISTING SOIL VENT PIPE TO BE DEMOLISHED
SVP	NEW SOIL VENT PIPE
EX. PU	EXISTING POP-UP
EX. PU	EXISTING POP-UP TO BE DEMOLISHED
PU	NEW POP-UP
EX. RWP	EXISTING RAIN WATER DOWN PIPE
EX. RWP	EXISTING POP-UP TO BE DEMOLISHED
RWP	NEW POP-UP
EX. GT	EXISTING GULLY TRAP
GT	NEW GULLY TRAP
EX. BIGT	EXISTING BACK INLET GULLY TRAP
BIGT	NEW BACK INLET GULLY TRAP
EX. FG	EXISTING FLOOR GULLY
FG	NEW FLOOR GULLY
ACO	NEW ACO DRAIN
	NEW FIRE HYDRANT
S.V.	NEW SLUICE VALVE
A.V.	NEW AIR VALVE
W.O.	NEW WASHOUT HYDRANT
Me	NEW METER



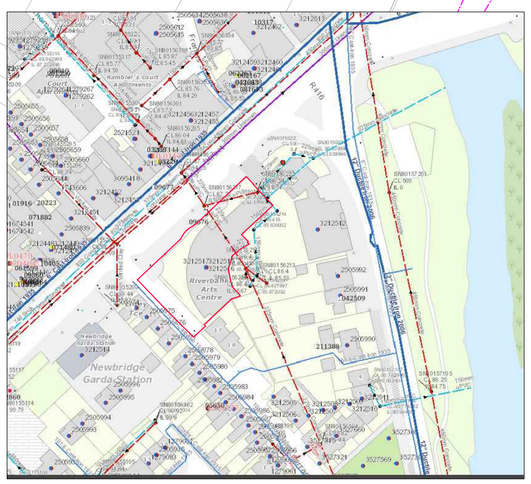
PROPOSED DRAINAGE SITE PLAN
SCALE 1:200



FOUL DRAINAGE RECORDS
NOT TO SCALE



SURFACE DRAINAGE RECORDS
NOT TO SCALE



PUBLIC DRAINAGE RECORDS
NOT TO SCALE

REVISION SCHEDULE

REV. NO.	REV. DESCRIPTION	REV. DATE	DRAWN	CHECKED
D1	DRAFT ISSUE	17/10/2023	BD	AG
D2	UPDATED DRAFT ISSUE	12/12/2023	BD	AG
D3	UPDATED BACKGROUND	16/04/2024	BD	AG
In01	INFORMATION ISSUE	29/05/2024	AG	AG
P01	ISSUED FOR PART 8	11/06/2026	JP	JP

DRAINAGE NOTES:

1. READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS.
2. MANHOLE AND ROAD GULLY DETAILS TO COMPLY WITH KILDARE COUNTY COUNCIL AND IRISH WATER'S STANDARD DETAILS.
3. ALL PIPES TO BE WAVIN uPVC OR SIMILAR SAVE FOR SEWERS IN PUBLIC ROADWAY WHICH ARE TO BE CLAY.
4. WHERE COVER TO PIPES IS LESS THAN 1.2M IN ROADS, 1.0M IN PUBLIC AREAS AND 0.8M IN GRASSED/LANDSCAPED AREAS, SURROUND THE PIPE UP TO 150MM WITH 100MM CONCRETE AND LARGER PIPES WITH 150MM CONC.
5. BACK-FILL TRENCHES IN ROADS WITH MOT STONE COMPACTED IN LAYERS.
6. CLOSE ROAD GULLIES IN THE DIRECTION OF TRAFFIC FLOW.
7. ADJUST FOUNDATION DEPTHS, AS NECESSARY, ADJACENT TO SEWERS TO AVOID UNDERMINING OF THE FOUNDATIONS.
8. DO NOT SET OUT FROM THIS DRAWING. SETTING OUT TO BE DONE FROM ARCHITECT'S DRAWINGS.
9. MANHOLE COVERS AND FRAMES SHALL COMPLY WITH THE LA STANDARD PATTERN WITH MIN OPENING OF 600MM & WITH CLOSED KEYWAYS. HEAVY DUTY TYPE A MANHOLES IN ALL TRAFFICKED AREAS AND MEDIUM DUTY TYPE B ELSEWHERE, TO BS EN124. TYPE C MAY BE USED IN ENCLOSED PRIVATE GARDENS.
10. DOUBLE GULLIES, WITH SEPARATE CONNECTIONS TO MAIN, TO BE PROVIDED AT LOW POINTS AND AT THE ENDS OF CUL DE SACS. MAXIMUM RUN OF PIPE 15M. MINIMUM PIPE DIAMETER 150MM. MAXIMUM GULLY SPACING FOR ROADS UP TO 7M WIDE TO BE 50M UNO.
11. MANHOLES ON HOUSE DRAINS TO BE IN PRIVATE PROPERTY. HOUSE DRAINS SHALL NOT PASS THROUGH PROPERTY THEY DO NOT SERVE.
12. RECORD DRAWINGS OF THE AS CONSTRUCTED WORK SHALL BE MADE AVAILABLE TO CORA AT THE END OF THE PROJECT.

NOTES:
- ALL FOUL PIPES ARE 100mm Ø @ 1:60 U.N.O.
- ALL SURFACE WATER PIPES ARE 100mm Ø @ 1:100 U.N.O.

IMPORTANT NOTE:

LOCATION OF EXISTING DRAINAGE NETWORK SHOWN INDICATIVELY. LEVELS AND LAYOUT OF EXISTING DRAINAGE TO BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION WORK. CONTRACTOR TO ALLOW FOR ANY INVESTIGATION WORK REQUIRED INCLUDING C.C.T.V. SURVEY WHERE NECESSARY.

NOTE:

EXISTING FOUL SEWER TO BE RETAINED - SUBJECT TO SUITABILITY. CONTRACTOR TO ALLOW FOR CCTV CAMERA SURVEY OF EXISTING NETWORK. ALL NEW CONNECTIONS TO BE FORMED STRICTLY IN ACCORDANCE WITH IRISH WATER DETAILS.

NOTE:

PIPES SHOULD BE LAID AT A MINIMUM DISTANCE OF ONE METRE PLUS FOUR TIMES THE GIRTH OF THE ADJACENT TREE

NOTE:

AT COMPLETION OF WORKS, CONTRACTOR TO COMPLETE C.C.T.V. SURVEY AND ALLOW FOR CLEANING / FLUSHING OF NETWORK

NOTE:

- ALL PIPEWORK WITHIN 1.2M OF GROUND LEVEL TO BE SURROUNDED IN CONCRETE IN LINE WITH IRISH WATER CODE OF PRACTICE.

SITE BOUNDARY

Drawing Stage: ISSUED FOR PART 8	Project Details:		Notes	Drawn by: JP	Checked by: JP	Approved by: JP	Date: 28-11-2022	CORA CONSULTING ENGINEERS	Behan House, 10 Lower Mount Street, Dublin 2. D02 HT71 Tel: +353 1 661 1100 e-mail: info@cora.ie Web: www.cora.ie		
	Site Address:	MAIN STREET, NEWBRIDGE, CO. KILDARE		Project Name: RIVERBANK ARTS THEATRE			Scale: 1:200 @ A1	Project Number: 2218			
	Client:	RIVERBANK ARTS CENTRE		Drawing Title: DRAINAGE GENERAL ARRANGEMENT			Project:	Originator: CORA	Zone:	Level:	Type: DR
	Architect:	STUDIO RED ARCHITECTS								Discipline: C	Drawing No: 01
	M&E Designer:									Stage: P	Revision: 01
	Contractor:										