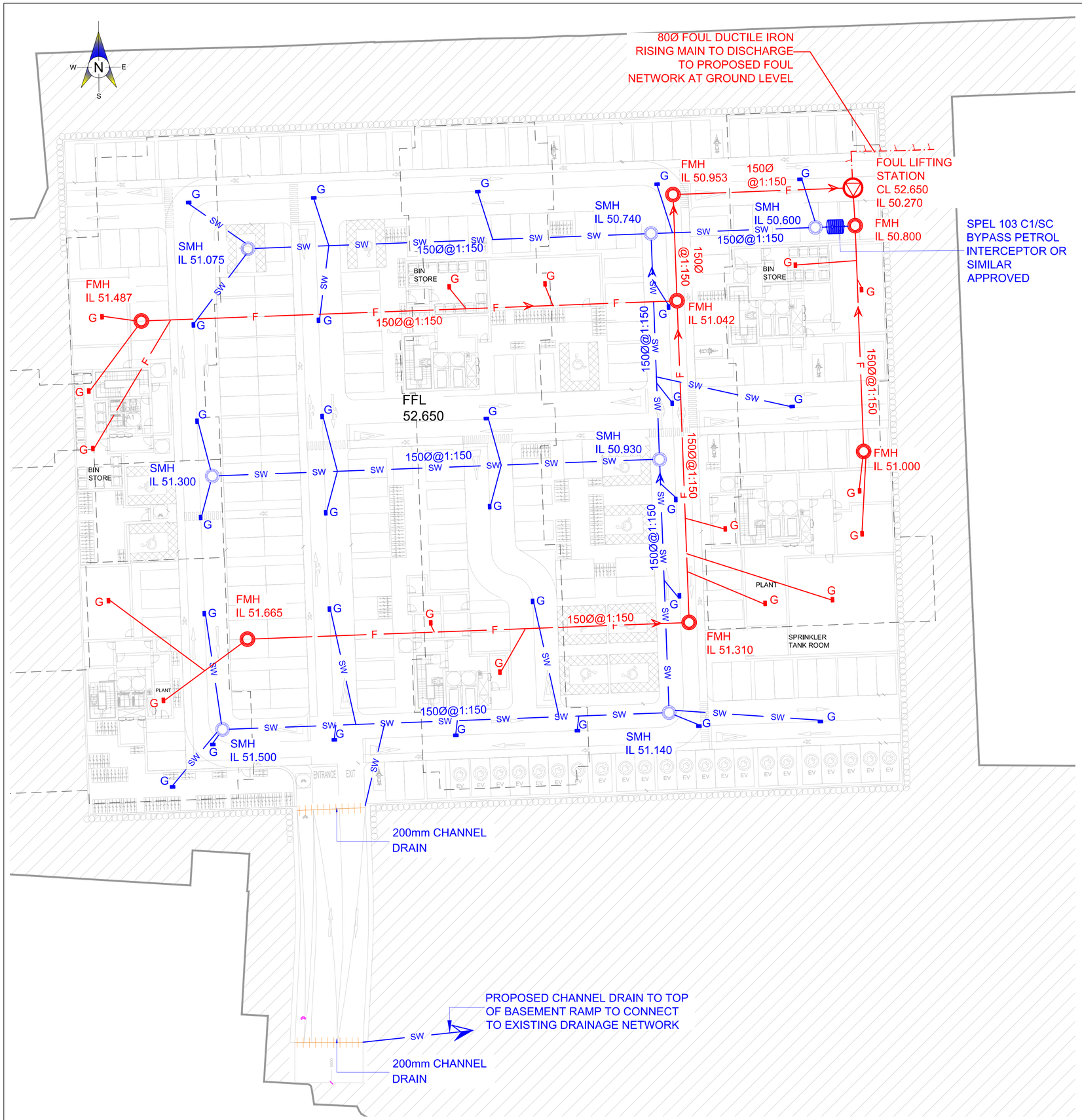

DRAINAGE NOTES

1/ ALL DIMENSIONS ARE IN (mm.) UNLESS OTHERWISE NOTED. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING OUT JUNCTION BOXES, CHAMBERS, MANHOLES, GULLIES TO ENSURE NO CLASHES WITH SERVICE DUCTS AND PIPES.

2/ ALL LEVELS ARE IN METRES ABOVE DATUM UNLESS OTHERWISE NOTED.

3/ THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, ENGINEER'S AND MANUFACTURERS' DRAWINGS AND SPECIFICATIONS.

4/ ALL PIPE DIAMETERS ARE NOMINAL.

5/ THE CONTRACTOR MUST CONTACT THE RELEVANT AUTHORITIES PRIOR TO CONSTRUCTION WORK, AND SATISFY HIMSELF IN RESPECT TO THE LOCATION OF ALL EXISTING SERVICES.

6/ ALL STORMWATER PIPES TO BE POLYPIPE RIGIDRAIN OR SIMILAR APPROVED. ALL FOUL PIPES TO BE WAVIN UPVC PIPES OR SIMILAR APPROVED IN ACCORDANCE WITH WIS 4-35-01 AND IS EN 13476

7/ ALL ROAD GULLY DRAINS ARE 150mm.

8/ 600mm MAX. LENGTH ROCKER PIPES ARE TO BE PROVIDED ON SEWERS WHERE:
(A). A PIPE ENTERS A MANHOLE OR PUMPING STATION.
(B). A PIPE LEAVES A MANHOLE.
(C). A PIPE ENTERS CONCRETE ENCASEMENT.
(D). A PIPE LEAVES CONCRETE ENCASEMENT.
(E). ANY OTHER LOCATION AS DIRECTED BY THE ENGINEER.

9/ ALL SEWER ROCKER PIPES ARE TO BE FORMED BY CUTTING AND TRIMMING A LENGTH OF SPIGOT & SOCKET PIPE TO FORM A SPIGOT AT THE CUT END, THEREBY FORMING SPIGOT & SOCKET JOINTS AT BOTH ENDS OF THE ROCKER PIPE.

10/ ALL ROCKER PIPES SHALL BE NO MORE THAN 150mm FROM THEIR ASSOCIATED MANHOLE, PUMPING STATION, CONCRETE ENCASED SECTION OR VALVE CONNECTION.

11/ WHERE SEWER PIPES, RISING MAINS OR ROAD GULLY DRAINS CROSS EXISTING ROADS, THE CONTRACTOR IS REQUIRED TO:
(A) CONTACT THE RELEVANT AUTHORITIES PRIOR TO COMMENCING WORK.
(B) MAKE GOOD THE EXISTING ROAD TO ITS ORIGINAL SPECIFICATION AS APPROVED BY THE ENGINEER.
(C) UNDERTAKE WORK TO THE STANDARDS OF THE RELEVANT LOCAL AUTHORITY SPECIFICATION.

12/ ALL EXISTING FOUL & SURFACE WATER RUNS SERVING THE BUILDING THAT BECOMES REDUNDANT DUE TO THE NEW DEVELOPMENT TO BE BROKEN OUT AND TRENCH/MANHOLES TO BE BACKFILLED WITH CL16/20 LEAN MIX CONCRETE

13/ WHERE PIPES PASS UNDER FOUNDATIONS PIPE TRENCH TO BE BACKFILLED TO FORMATION LEVEL WITH CL16/20 CONCRETE.

14/ WHERE PIPES ARE LOCATED WITHIN 3m OF PAD FOUNDATIONS CONCRETE SURROUND CL16/20 REQUIRED TO A LEVEL ABOVE THE PAD FOUNDATIONS. WHERE PIPES PASS UNDER FLOOR SLABS, PIPES TO BE SURROUND WITH 150mm CONCRETE +50mm COMPRESSIBLE FILL BOARD/SAND SHOULD DIVIDE UNDERSIDE OF SLAB & TOP OF CONCRETE SURROUND (DETAIL TO BE AGREED WITH STRUCTURAL ENGINEER)

15/ ALL EXISTING MAIN SEWER RUNS TO BE JETTED TO REMOVE BLOCKAGES/DEBRIS, ALL EXISTING DRAINAGE RUNS & MANHOLES TO BE CLEARED OF DEBRIS, CLEANED, JETTED AND CCTV CARRIED OUT. INTERPRETIVE REPORT, DVD & DRAWINGS TO BE INCLUDED & ISSUED TO DESIGN ENGINEER PRIOR TO CONSTRUCTION.

16/ CCTV SURVEY TO BE CARRIED OUT ON ALL NEW DRAINAGE RUNS & CCTV SURVEY INTERPRETIVE REPORT.

17/ ALL COVERS OF EXISTING MANHOLES TO BE BUILT TO FINAL FINISHED PAVEMENT OR DRAINAGE LEVELS.

18/ COVER LEVELS DETAILED ARE INDICATIVE. COVER LEVELS TO TIE IN FLUSH WIT PROPOSED PAVEMENT & LANDSCAPING LEVELS.

19/ INTERNAL DRAINAGE TO ARCHITECT & M&E DETAILS

20/ GULLY LAYOUT TO BE CONFIRMED WITH ARCHITECT PRIOR TO DETAILED

21/ RODDING EYES REQUIRED ON ALL SUSPENDED DRAINAGE RUNS AT MAX 22m INTERVALS AND AT ALL JUNCTIONS OR CHANGES IN PIPE DIRECTIONS.

22/ LEVELS ON ALL EXISTING DRAINAGE TO BE CONFIRMED ONSITE.

23/ ALL EXISTING DRAINS TO BE INVESTIGATED FOR LIVE CONNECTIONS PRIOR TO CONSTRUCTION. LIVE CONNECTIONS TO BE MAINTAINED TO SEWERS

24/ ALL SURFACE WATER MANHOLE COVER TO BE SQUARE IN SHAPE. ALL FOUL WATER MANHOLES TO BE CIRCULAR IN SHAPE.

25/ CONTRACTOR TO COORDINATE ALL ROOF DRAINAGE AND DOWNPIPES LOCATIONS TO BE AGREED WITH THE ENGINEER AND ARCHITECT.

26/ CONTRACTOR TO PROVIDE IL, PIPE DIAMETER AND DIRECTION OF FLOW IN EXISTING MANHOLE ON COMMENCEMENT OF THE WORKS TO DESIGN ENGINEER.

27/ ALL SLUNG GRAVITY DRAINAGE PIPEWORK TO WIS 4-35-01 AND IS EN 13476. SLUNG DRAINAGE, PROPRIETARY CONNECTIONS, SEALING AND FIXINGS TO BE DESIGNED BY OTHERS TO MANUFACTURERS REQUIREMENTS. DETAILS TO BE SUBMITTED TO ENGINNER FOR APPROVAL PRIOR TO WORKS COMMENCING.

28/ PUMPED RISING MAIN TO BE DUCTILE IRON PIPE WORK AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 598

29/ FOUL SEWER MANHOLES TO BE PRE-CAST, ALL SURFACE WATER AND COMBINED MANHOLES TO BE BLOCKWORK AS PER GDSDS V6.0

30/ ALL MANHOLE COVERS LOCATED IN PAVING AREAS TO BE RECESSED TYPE WITH GALVINISED STEEL TRIMMING ALLOWING FOR PAVING INSERTS TO LANDSCAPE ARCHITECTS DETAIL. MANHOLE COVER LOADINGS TO COMPLY WITH RELEVANT MANHOLE BUILDUP.

31/ ALL DRAINAGE PIPEWORK & MANHOLE CONSTRUCTION TO BE WATERTIGHT. ALL PIPEWORK MUST BE TESTED TO THE APPROPRIATE AIR TIGHTNESS TEST AND TEST RESULTS SUBMITTED TO ENGINEER FOR APPROVAL.

NOTES:
ALL FOUL WATER WORKS TO BE IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER SUPPLY AND ASSOCIATED STANDARD DETAILS.

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NO DIMENSION SHALL BE SCALED FROM THIS DRAWING. ALL DIMENSIONS SHALL BE SITE CHECKED. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS

Notes :-

1. If this drawing has been received electronically it is the recipients responsibility to print the document to the correct scale.
2. All dimensions are in (m) unless otherwise noted.
3. All levels are in meters above datum unless otherwise noted.
4. This drawing is to be read in conjunction with all the relevant Engineers', Services Engineers, Manufacturers & Architects drawings and specifications.

LEGEND:

- SW / SWH1.0 — PROPOSED SURFACE WATER SEWER
- PROPOSED SURFACE WATER MANHOLE
- PROPOSED FOUL WATER SEWER
- FMH1.0 — PROPOSED FOUL WATER MANHOLE
- PROPOSED FOUL RISING MAIN
- PROPOSED FOUL LIFTING STATION
- G — PROPOSED SURFACE WATER GULLY
- G — PROPOSED FOUL WATER GULLY
- PROPOSED SURFACE WATER CHANNEL DRAIN
- PROPOSED BUILDING OUTLINE ABOVE

Rev	Description	Date	Drn	Apr
PL2	PLANNING ISSUE	12.08.22	LL	ED
PL1	PLANNING ISSUE	05.11.21	LL	ED

Project Stage
Planning

Client
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Project
OMNI PLAZA SHD

Drawing Title
PROPOSED BASEMENT DRAINAGE LAYOUT

Job No. (Eir Eng)		Drg Status	Scale @ A1
201121			1:250@ A1
Drawn By	Checked By	Approved By	Checked Date
L Lonergan	T Byrne	E Deasy	25.06.2021

Drawing Number: 201121-ECE-ZZ-XX-DR-C-0004
Revision: PL2

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