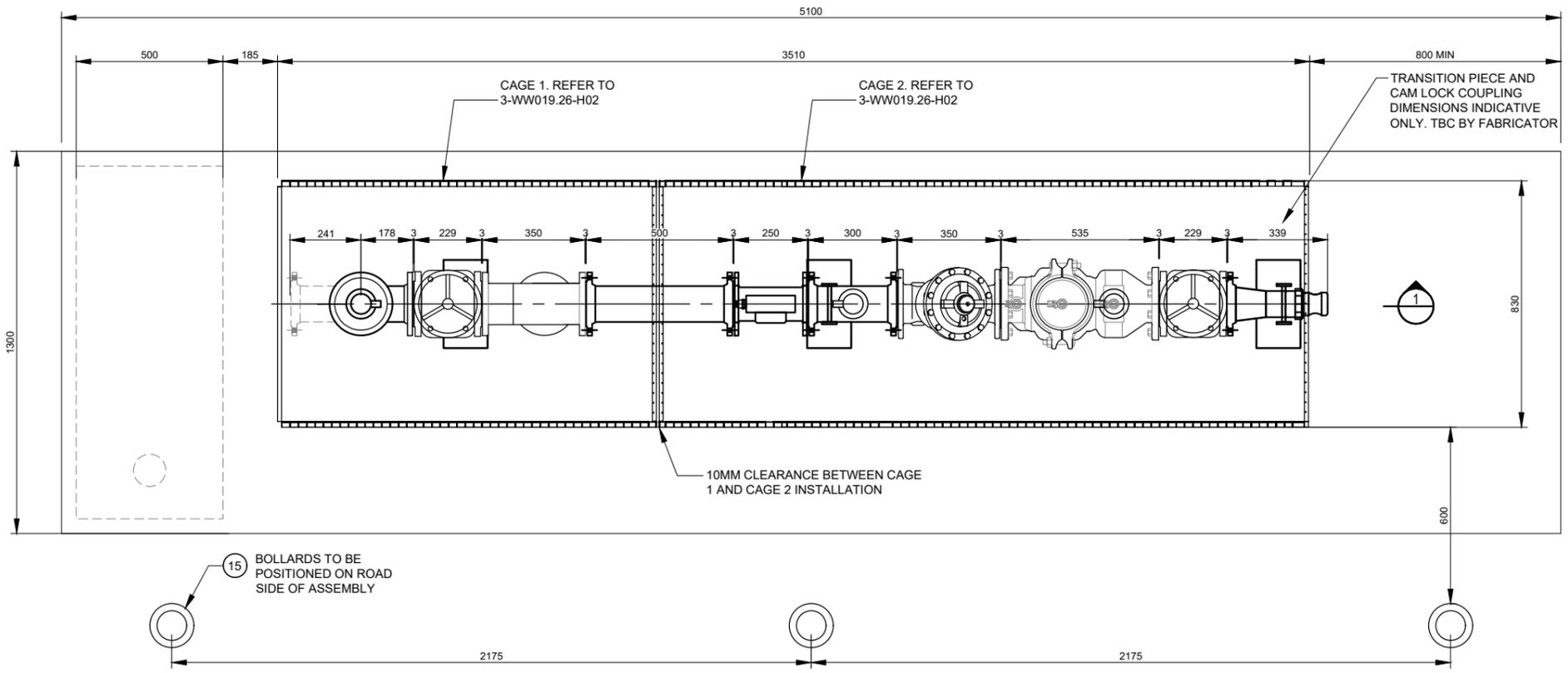


- GENERAL NOTES:**
- DO NOT SCALE OFF DRAWINGS
 - ALL DIMENSIONS IN mm UNLESS OTHERWISE SPECIFIED.
 - CONTRACTOR TO CONFIRM ALL PIPE AND COMPONENT DIMENSIONS PRIOR TO FABRICATION OF THE SECURITY CAGE. CAGE DIMENSIONS TO BE AMENDED TO SUIT (SUBJECT TO ENGINEERS APPROVAL). MINIMUM VERTICAL CLEARANCE FROM ANY PIPE/COMPONENT SHALL BE 50mm.
 - GATE VALVES AS / NZS 2638.2
 - ALL ITEMS RATED PN 16 AND COMPLY WITH AS 4020.
 - ALL FLANGES COMPATIBLE WITH AS / NZS 4087.
 - ALL STRUCTURAL ITEMS TO BE HOT DIPPED GALVANIZED
 - CHECK MIN WATER PRESSURE AT NEARBY HYDRANT DURING COMMISSIONING AND ADVISE WELLINGTON WATER
 - MAX DESIGN FLOW = 15-25 L/s
 - 2% MIN GRADE TO BE PROVIDED FOR CONCRETE SLAB SURFACE. CONTRACTOR TO PROPOSE DIRECTION OF SLOPE WITH CONSIDERATION FOR DRAINAGE AND STORMWATER INFRASTRUCTURE.
 - ALL BURIED MECHANICAL COUPLINGS AND SS COMPONENTS SHALL BE WRAPPED WITH FULL PETROLATUM WRAP SYSTEM
 - ALL COMPONENTS TO BE INSTALLED AS PER SUPPLIER SPECIFICATION.
 - ENSURE EXISTING WATER MAIN MATERIAL AND CONDITION ARE KNOWN BEFORE INSTALLATION OF CONNECTION TO EXISTING WATER MAIN.
 - SECURITY CAGE TO BE FIXED TO CONCRETE SLAB WITH M12 HDG INTERNALLY THREADED CHEMSET ANCHORS OR APPROVED ALTERNATIVE. 100mm MIN ANCHOR DEPTH. THREADS TO BE COATED WITH ANTISEIZE COMPOUND
 - REFER TO DRAWING 3-WW019.26-S01 FOR SLAB REINFORCEMENT DETAILS
 - ISOLATION KIT TO BE USED BETWEEN FLANGES AND FASTENERS OF DISSIMILAR MATERIALS

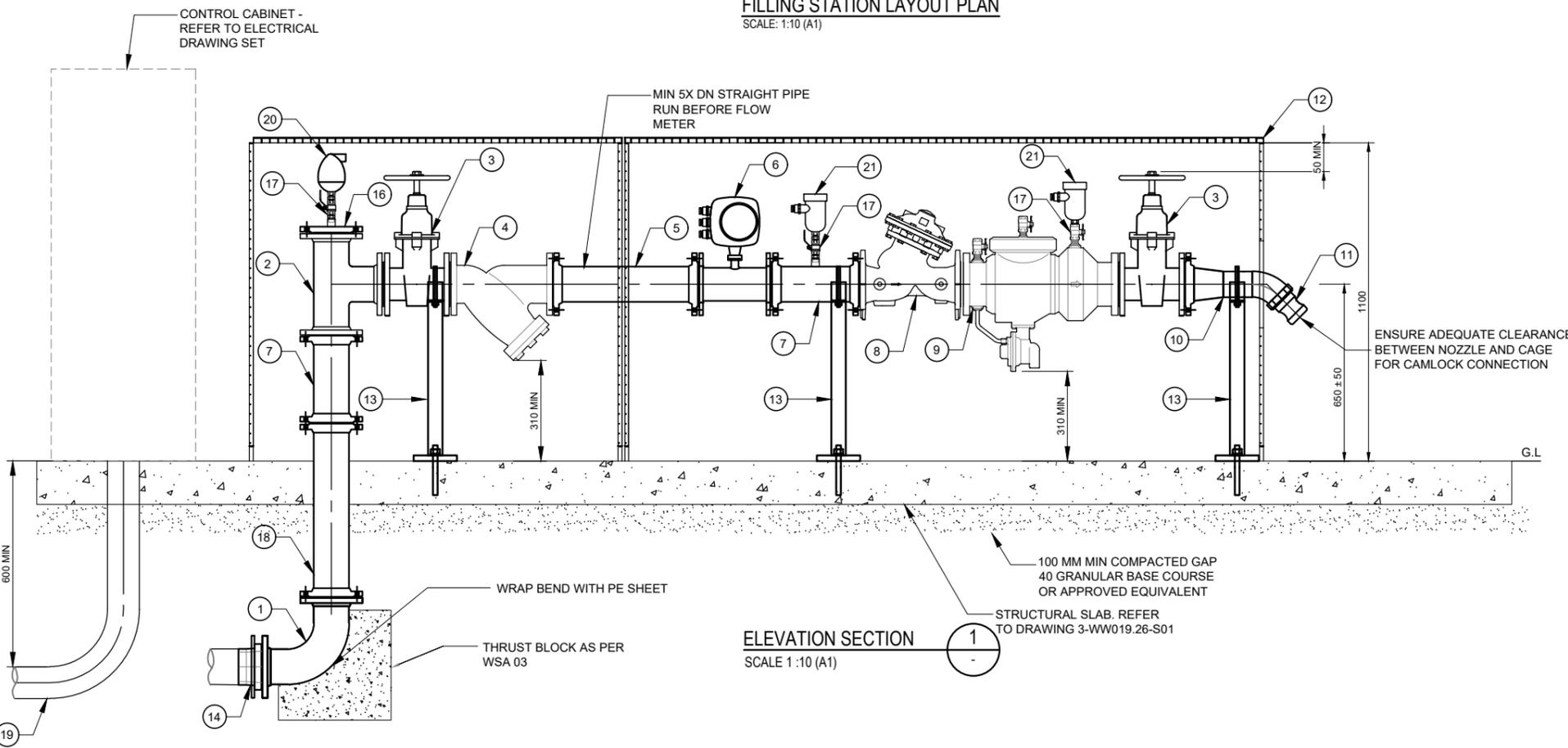


FILLING STATION LAYOUT PLAN
SCALE: 1:10 (A1)

ITEM	SCHEDULE DESCRIPTION	SIZE	No.
1	FL-FL 90° BEND, DI, PN16	DN100	1
2	FL-FL-FL EQUAL TEE, DI, PN16	DN100	1
3	HAWLE E2 FLANGED SLUICE VALVE WITH HAND WHEEL, PN16	DN100	2
4	WILKINS WYE STRAINER, DI, FBE COATED, PN16	DN100	1
5	FL-FL SPOOL PIECE, 500 MM, DI, PN16	DN100	1
6	ABB WATERMASTER FLOWMETER, TO WELLINGTON WATER STANDARD, MODEL No. FEV12.1.100.V.1.S.1.E1.B.1.A.1.A.2.A.3.A.1.A.1.M5.CM2	DN100	1
7	FL-FL SPOOL PIECE, 300 MM, DI, PN16	DN100	2
8	BERMAD 773.55.100.EN.VI.J 100mm EN SERIES PRESSURE SUSTAINING VALVE WITH ADJUSTABLE PILOT AND 5mm DOWNSTREAM SS ORIFICE PLATE. VALVE BODY DRILLED AND TAPPED FOR ADDITIONAL PADDLE FLOW CONTROL PILOT. SOLENOID CONTROL. BUILT TO WELLINGTON WATER SPECIFICATION.	DN100	1
9	WILKINS BFP RPZ, 375, FLANGED DI, PN16	DN100	1
10	FABRICATED TRANSITION PIECE AND 45° BEND. DN100 FLANGE x DN80 MALE BSP TO SUIT ITEM 11, SS	DN100 x DN80	1
11	MALE CAMLOCK COUPLING, SS, BSP	DN80	1
12	SECURITY CAGE (REFER TO DWG 3-WW019.26-H02)	-	2
13	PIPE SUPPORT (REFER TO DETAIL 2 DWG 3-WW019.26-H03)	-	3
14	STUB FLANGE WITH STAINLESS STEEL BACKING RING, PN16	OD 125	1
15	CONCRETE FILLED STEEL BOLLARD, 1m HEIGHT. 150 mm DIA GALVANISED MILD STEEL PIPE IN 300 DIA CONCRETE FOOTING (20MPa). 500 mm MINIMUM EMBEDMENT. 3 mm MINIMUM PIPE WALL THICKNESS.	150	3
16	BLANK FLANGE, SS, PN16	DN100	1
17	THREADED BALL VALVE ASSEMBLY	DN25	3
18	FL-FL SPOOL PIECE, LENGTH TO SUIT LOCAL HEIGHTS, DI, PN16	DN100	1
19	DN100 ORANGE uPVC ELECTRICAL DUCT. CAST INTO SLAB (LOCATION TO SUIT REBAR DESIGN). GRADUAL BEND TO 600 MIN COVER. PLUGGED BOTH ENDS. FOR FUTURE USE.	DN100	1
20	BERMAD C30 AIR VALVE, TO WELLINGTON WATER SPECIFICATIONS	DN25	1
21	PRESSURE TRANSMITTER, VEGABAR 82 OR APPROVED ALTERNATIVE	DN25	2

A1 REPRODUCTION SCALE
0mm
20
40
60
80
100

A3 REPRODUCTION SCALE
0mm
10
20
30
40
50



ELEVATION SECTION
SCALE 1:10 (A1)

ORIGINAL DRAWING
IN COLOUR

FOR INFORMATION
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
D	DETAILED DESIGN - ELECTRICAL DESIGN ADDED	J.G	A.M	P.B	10/03/23
C	DETAILED DESIGN	J.G	S.J	P.B	21/06/21
B	AMENDED TO ADDRESS SID FEEDBACK	J.G	S.J	P.N	10/03/21
A	FOR CLIENT APPROVAL	J.G	S.J	P.N	10/02/21

CONNECT WATER

Drawing Originator: Original Scale (A1) 1:10
 Drawn: J.GWILLIM 02.2021
 Design: J.GWILLIM 02.2021
 Dwg Verifier: S.JARMAN 02.2021
 Dwg Check: []
 Scale (A3): 1:20
 * Refer to Revision 1 for Original Signature

Wellington Water

Client: **Wellington Water**
 Project: **REGIONAL MANAGEMENT OF FIRE HYDRANT USE**

Title: **WELLINGTON WATER FILLING STATION DETAILED DESIGN**

Discipline	Rev.
HYDRAULICS	D
Drawing No.	3-WW019.26-H01

Document Path: \\CORP\FBIWANNANZ\PROJECTS\3-WW019.26-REGIONAL WATER TAKE SITES\HOME\600 PROJECT OUTPUTS\DETAILS\MECHANICAL\1 DRAWINGS