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Dimensions

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THE NORTH WEST CO.

CONSTRUCTION AND STORE PLANNING

77 MAIN STREET,
WINNIPEG, MANITOBA
R3C 2R1

Legend

Notes

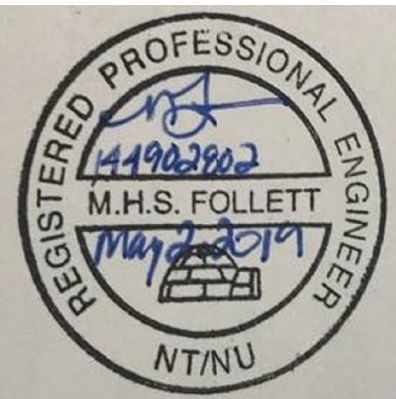
Revision

A ISSUED FOR DRAFT REVIEW

Issued

File Name:

Permit-Seal



Client/Project

NORTHERN STORE
SANITARY DIVERSION
Iqaluit, Nunavut

Title

PROPOSED SANITARY MAINS
OPTION 3 PLAN & PROFILE
0+00 TO 2+20

Project No.
144902802

Drawing No.

C-202

Scale

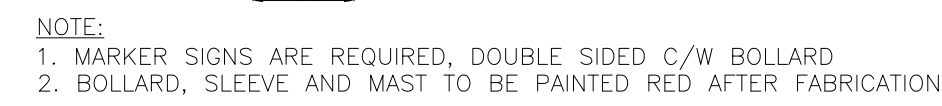
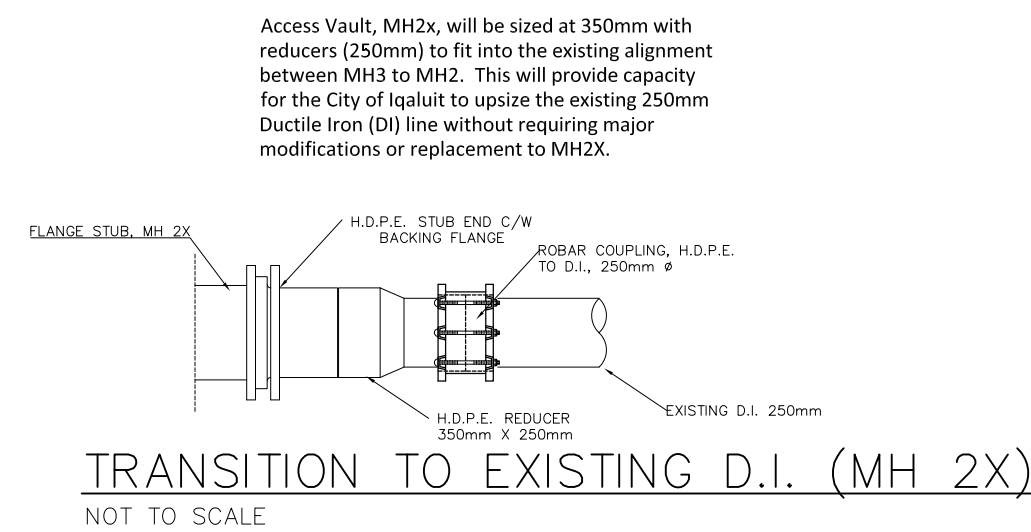


Sheet

Revision

of TBD

A/0



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77 MAIN STREET,
WINNIPEG, MANITOBA
R3C 2R1

Notes

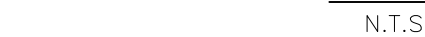
Revision	By	Appd.	YY.MM.DD
A ISSUED FOR DRAFT REVIEW	IGM	MF	19.03.29
Issued	By	Appd.	YY.MM.DD
File Name:	Dwn.	Chkd.	Dsgn.
			YY.MM.DD

NORTHERN STORE
SANITARY DIVERSION
Iqaluit, Nunavut

TYPICAL DETAILS

Project No. 144902802	Scale	
Drawing No. C-501	Sheet of TBD	Revision A/0

- 20mm THICK AND POLYETHYLENE SHEET, THERMAL BREAK
- 12mm² GALVANIZED STEEL BOLTS, NUTS, AND WASHERS
210mm EQUAL SPACING.
- WELD ASSEMBLY (DETAIL 2-C5)
- 50mm x 60mm x 12mm STEEL HINGE BASE PLATE
- WELDED TO ACCESS VAULT DOOR
- 19mm x 38mm 35 DUROMETER SOFT NATURAL RUBBER
STRIP (REVERSIBLE) GASKET TO ACHIEVE AIRTIGHT &
WATERPROOF SEAL ALL AROUND (DETAIL 3-C5)
- 50mm x 10mm BAR, WELD CONTINUOUS AROUND TOP OF
VAULT BARREL, DRILL TO MATCH TOP LID
- LIFTING LUG 12mm² STEEL x 40mm INSIDE LOOP
- 6mm GALVANIZED STEEL NUT, COUNTERSUNK SHEET METAL
SCREWS @ 100mm CENTERS
- 6mm x 19mm GALVANIZED STEEL COUNTERSUNK SHEET
METAL SCREWS @ 100mm CENTERS
- 10mm POLYURETHANE INSULATION, 240 kPa CUM TO SIZE
- 20mm² THICK HIGH DENSITY POLYETHYLENE
- HINGES SPACED @ 400mm APART.
- THUNDER-LINE CORP. LINK-SEAL MODEL LS-500-C
(200X350) OR APPROVED EQUIV TO FIT ITEMS 14 & 40
- 200mm CRANE MAWERY M-67 "IN-LINE" FIRE HYDRANT
- LIFTING LUGS - TWO PER ACCESS VAULT, 150mm x
12mm² STEEL x 40mm INSIDE LOOP, LIFTING RING C/W 200
x 200 x 12 STEEL REINFORCING PLATE CURVED TO RADIUS,
CONTINUOUSLY WELDED.
- 65mm² THREADED STEEL HALF NIPPLE CONDUIT SLEEVE
(FOR EXTENSION CORD OR PUMP PUMP DISCHARGE) IN
APPROPRIATE LOCATION, C/W THREADED GALVANIZED STEEL
CAPS
- SPRAYED POLYURETHANE INSULATION 240kPa.
- LADDER, LENGTH AS REQUIRED, 450m WIDE MADE FROM
65mm x 12mm FLAT BAR VERTICALS & SUPPORTS WITH
20mm² RINGS. WELDED CONSTRUCTION THROUGHOUT ALL
EDGES TO BE GROUND SMOOTH GALVANIZED AFTER
FABRICATION. FASTEN WITH STEEL STUDS WELDED TO INNER
WALL
- 38mm THICK STYROFOAM, 4 PIECES, OUTER EDGE TO
MATCH ITEM 21 - DOW CHEMICAL HI 60, 410 kPa
COMPRESSIVE STRENGTH.
- FILLER PIECE 10mm THICK STYROFOAM DOW CHEMICAL HI
60
- 38mm THICK STYROFOAM DOW CHEMICAL HI 60. SEE
SPECIFIC VAULT DETAIL FOR DIMENSIONS
- POLYURETHANE SHEET INSULATION CUM TO SIZE, 240kPa
- 10mm THICK SQUARE STEEL BASE PLATE. SEE SPECIFIC
VAULT DETAIL FOR DIMENSIONS.
- 6mm THICK STEEL PLATE ACCESS VAULT CONSTRUCTION
- 150mm² SANITARY SEWER ENTER, SCHEDULE 8 STEEL PIPE
SPOT WELD
- 200mm² OR 50mm² WATERMAIN ENTER. SCHEDULE 8
STEEL PIPE SPOT WELD
- 200mm² OR 50mm² WELDED STEEL SLIP-ON FLANGE.
- 200mm² OR 50mm² (IP SIZE) DR 17 PE/50mm² SERIES
DR 17 STUB END, ASA 125# CAST IRON (DUCTILE) METAL
BACKUP FLANGE, CADMIUM PLATED NUTS, BOLTS AND
WASHERS AND STUB END GASKET
- FLANGE INSULATION KIT, 470mm OD FOR 200mm² PE PIPE,
470mm OD FOR 150mm² PE PIPE, 290mm OD FOR
50mm² (MASTIC COATED INNER SURFACES) AND FRP
COATING.
- FLANGE INSULATION KIT, 290mm OD FOR 50mm² PE PIPE,
470mm OD FOR 150mm² PE PIPE, 470mm OD FOR
200mm² PE PIPE, 535mm OD FOR 250mm² PE (MASTIC
COATED INNER SURFACES) AND FRP COATING.
- 200mm²/150mm² (IP SIZE) DR 17 PE/50mm² DR 17
PE STUB END, ASA 125# CAST IRON (DUCTILE) METAL
BACKUP FLANGE, CADMIUM PLATED NUTS, BOLTS &
WASHERS, AND STUB END GASKET
- RAYCHEM THERMACLAD HEAT SHRINK TAPE, 2 LAYERS MIN.
50% OVERLAP EACH WRAP.
- 50mm THICK POLYURETHANE INSULATION HALVES OR PE
PIPE PREPARED TO MATCH PIPE SIZES
- 200mm² (IP SIZE) PE WATERMAIN OR 50mm² (IP SIZE)
PE WATERMAIN
- STEEL RING SECTION WELDED TO ACCESS VAULT OUTER
WALL 6mm THICK x 470mm OD FOR 200mm², 290mm OD
FOR 50mm²
- HOT DIPPED GALVANIZED STEEL PIPING.
- 50mm² LATROLET
- 25mm² THREADET
- STEEL RING SECTION WELDED TO ACCESS VAULT OUTER
WALL 6mm THICK x 470mm OD FOR 150mm² SEWER LINE,
470mm OD FOR 100mm² SEWER LINE
- HYDRANT COLLAR, 350mm² SCHEDULE 10 (346mm ID)
STEEL PIPE x 100m LONG WELDED TO ACCESS VAULT
EXTERIOR TOP PLATE
- 200mm²/150mm² WELDED STEEL SLIP-ON FLANGE
- 200mm² (IP SIZE) PE SEWER MAIN.
- 50mm THICK POLYURETHANE INSULATION HALVES OR PE
PIPE PREPARED TO MATCH PIPE SIZES
- POLYETHYLENE LINER TUBE, PACK WITH STYROFOAM
INSULATION.



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CONSTRUCTION AND STORE PLANNING

77 MAIN STREET,
WINNIPEG, MANITOBA
R3C 2R1

Legend

Notes

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Permit-Seal



Client/Project

NORTHERN STORE
SANITARY DIVERSION
Iqaluit, Nunavut

Title

TYPICAL VAULT DTAILS

Project No. 144902802	Scale	
Drawing No. C-502	Sheet of TBD	Revision A/0

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CONSTRUCTION AND STORE PLANNING

77 MAIN STREET,
WINNIPEG, MANITOBA
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By Appd. YY.MM.DD

IGM MF 19.03.29

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Dwn. Chkd. Dsgn. YY.MM.DD

Permit-Seal



Client/Project

NORTHERN STORE
SANITARY DIVERSION
Iqaluit, Nunavut

Title
**OPTION 3
VAULT PLAN & ELEVATION
MH 2X & MH 3-A**

Project No.
144902802

Scale

Drawing No.

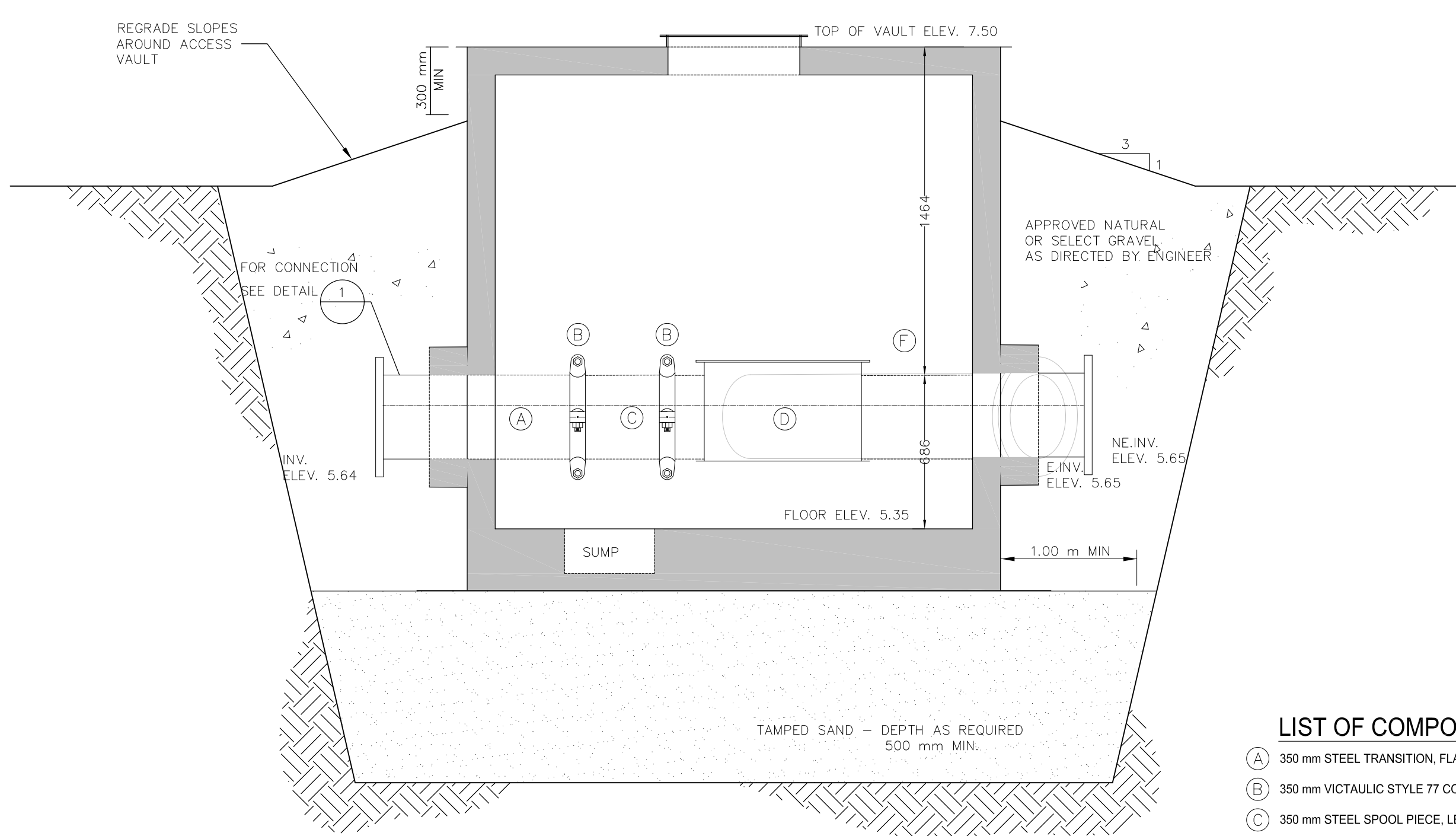
Sheet

Revision

C-503

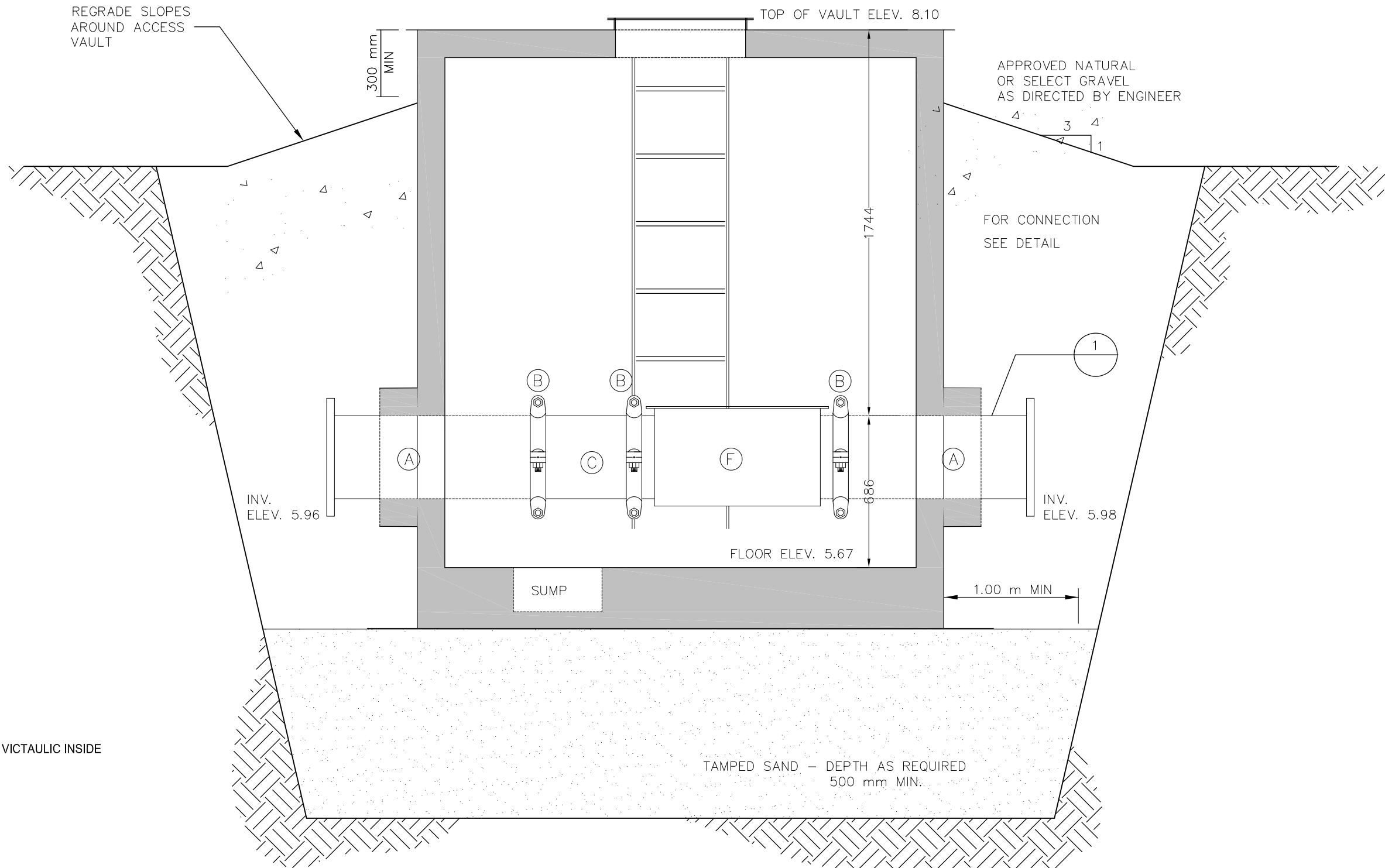
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SECTION – MH 2X

SCALE: 1:20

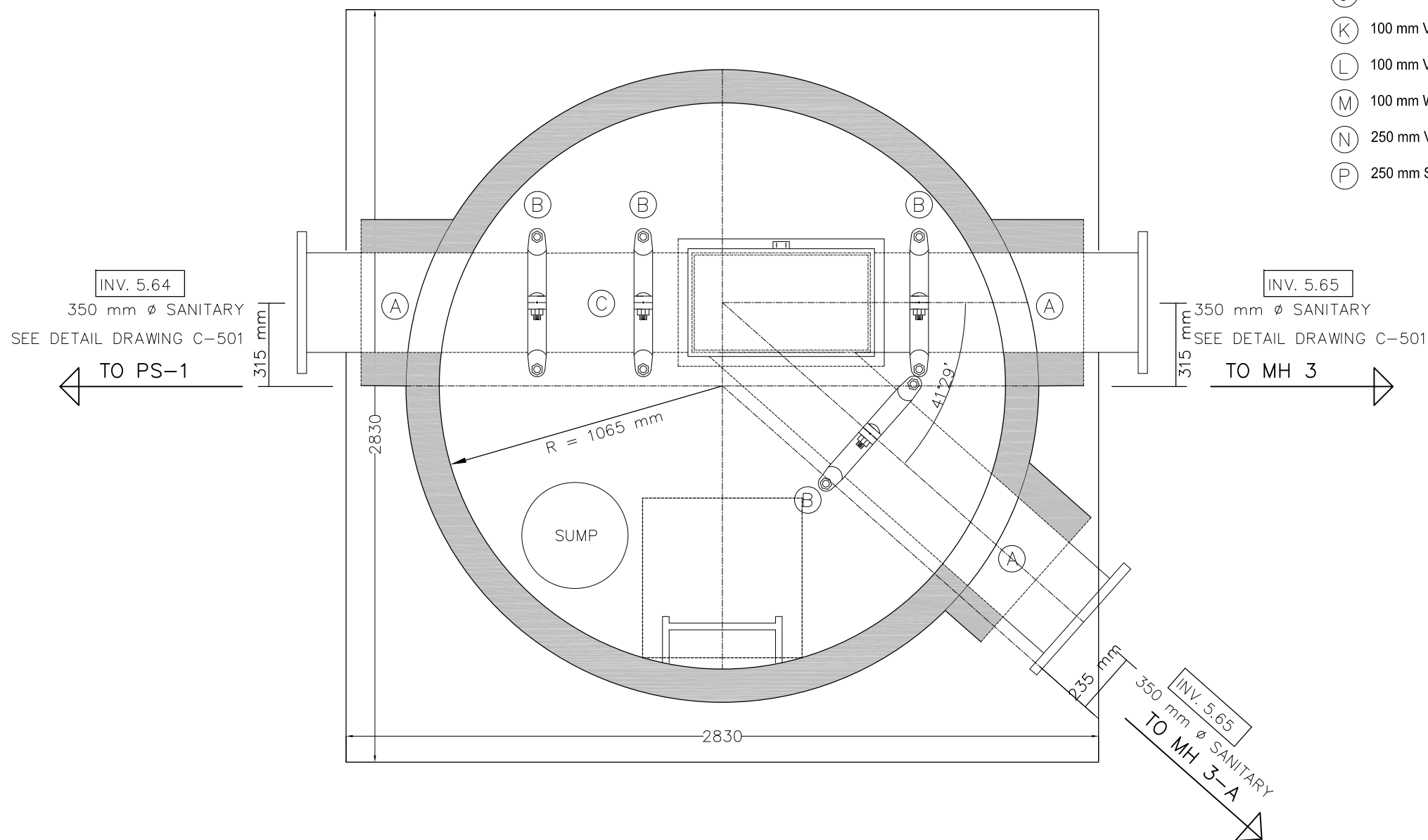


SECTION – MH 3-A

SCALE: 1:20

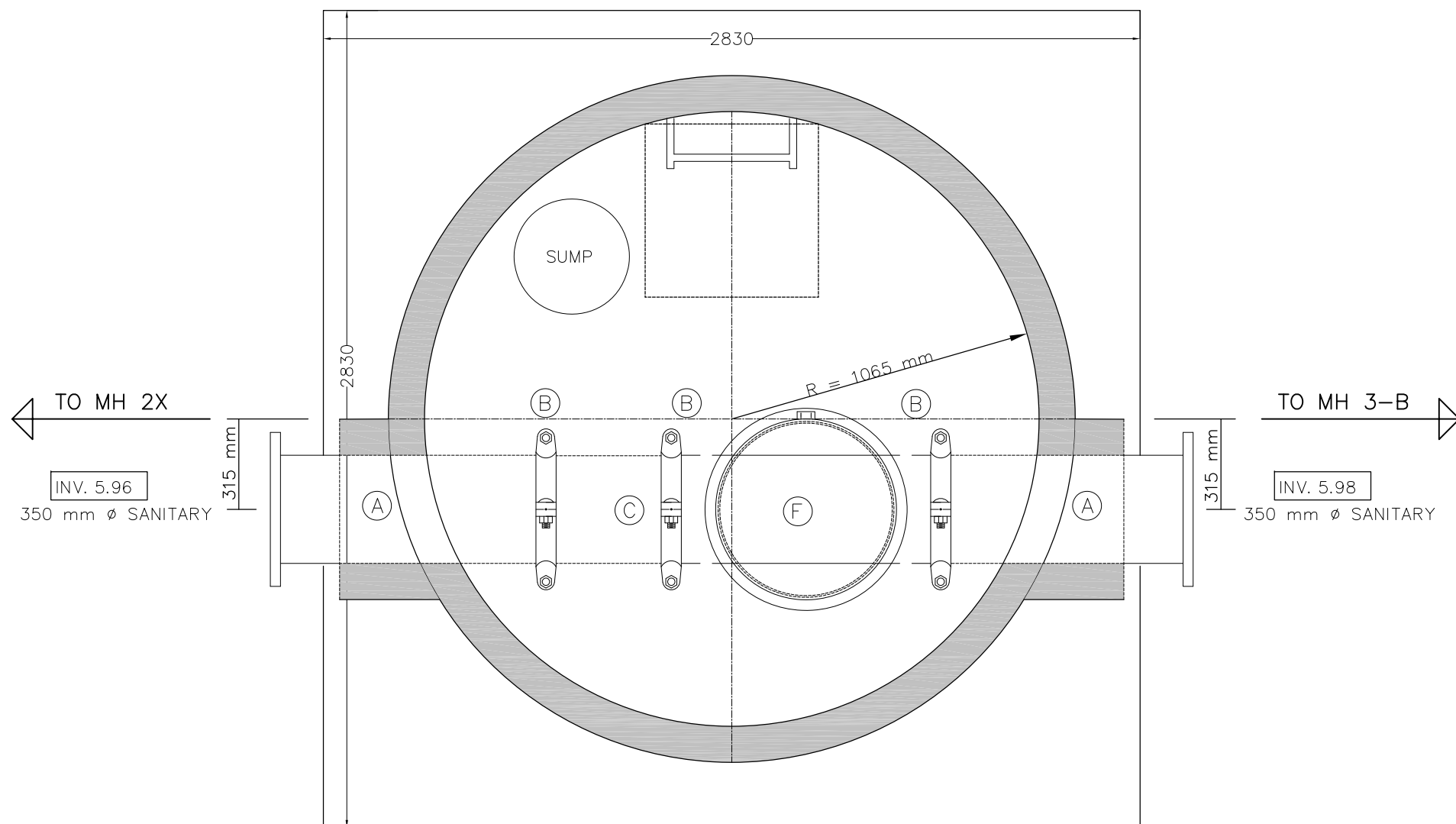
LIST OF COMPONENTS

- (A) 350 mm STEEL TRANSITION, FLANGED ONE END, VICTAULIC INSIDE
- (B) 350 mm VICTAULIC STYLE 77 COUPLER
- (C) 350 mm STEEL SPOOL PIECE, LENGTH TO SUIT
- (D) 350 mm VICTAULIC ELBOW 45°
- (E) 350 mm VICTAULIC ELBOW 90°
- (F) CLEANOUT, 350 mm, CONFIGURE AS SHOWN, SEE DRAWING C-502
- (G) 100 mm STEEL TRANSITION, FLANGED ONE END, VICTAULIC INSIDE
- (H) 100 mm VICTAULIC STYLE 77 COUPLER
- (J) 100 mm STEEL SPOOL PIECE, LENGTH TO SUIT
- (K) 100 mm VICTAULIC ELBOW 45°
- (L) 100 mm VICTAULIC ELBOW 90°
- (M) 100 mm WELDOLET
- (N) 250 mm VICTAULIC STYLE 77 COUPLER
- (P) 250 mm STEEL TRANSITION, PLAIN ONE END, VICTAULIC INSIDE



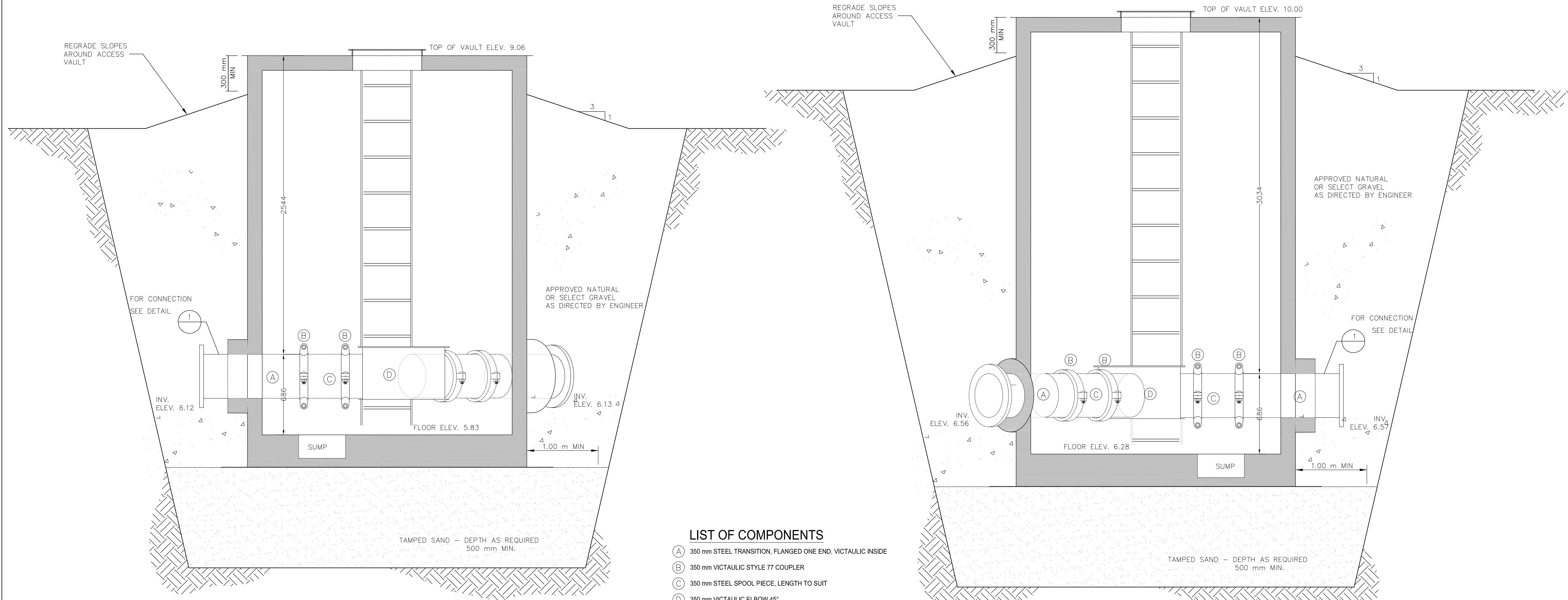
PLAN – MH 2X

SCALE: 1:20



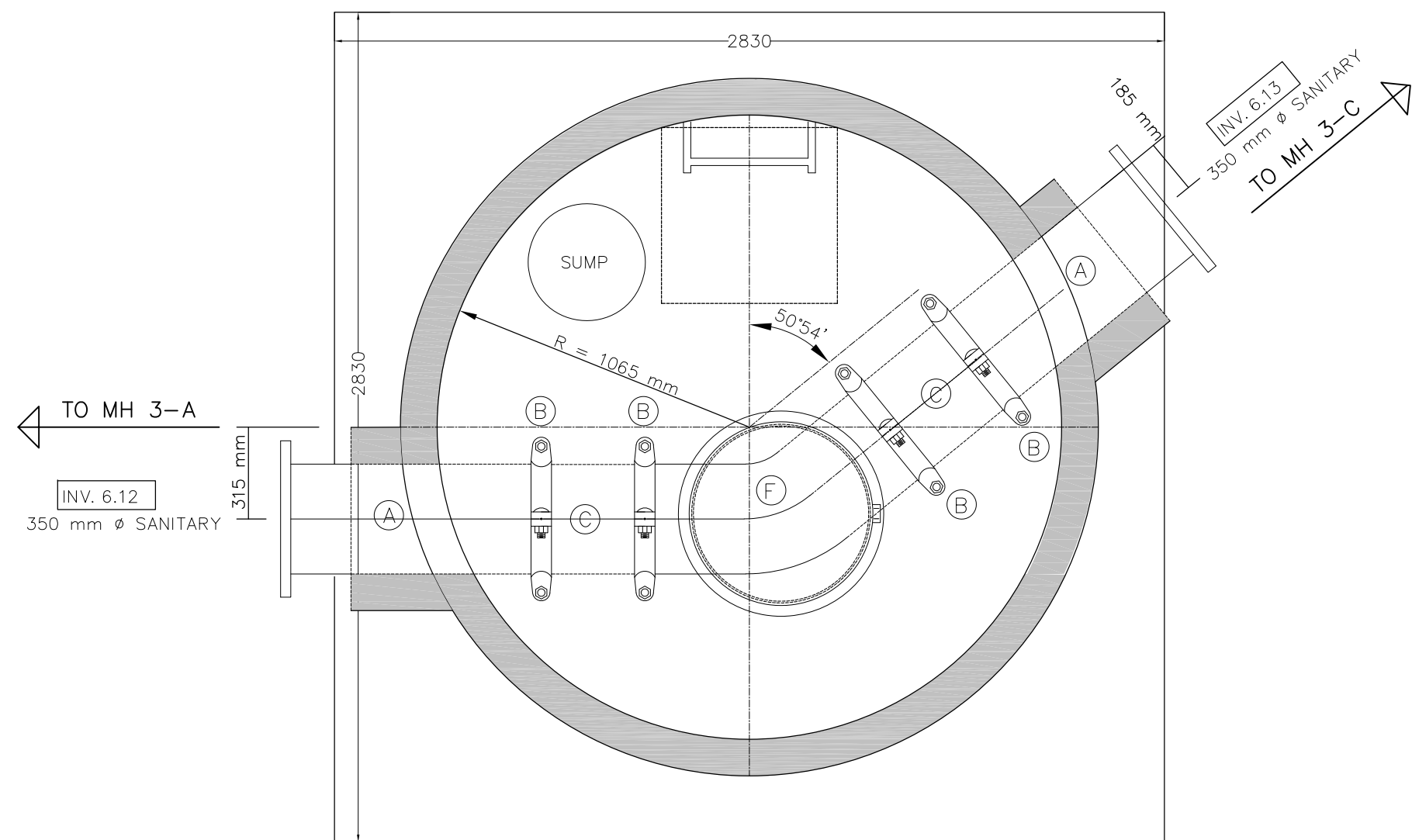
PLAN – MH 3-A

SCALE: 1:20



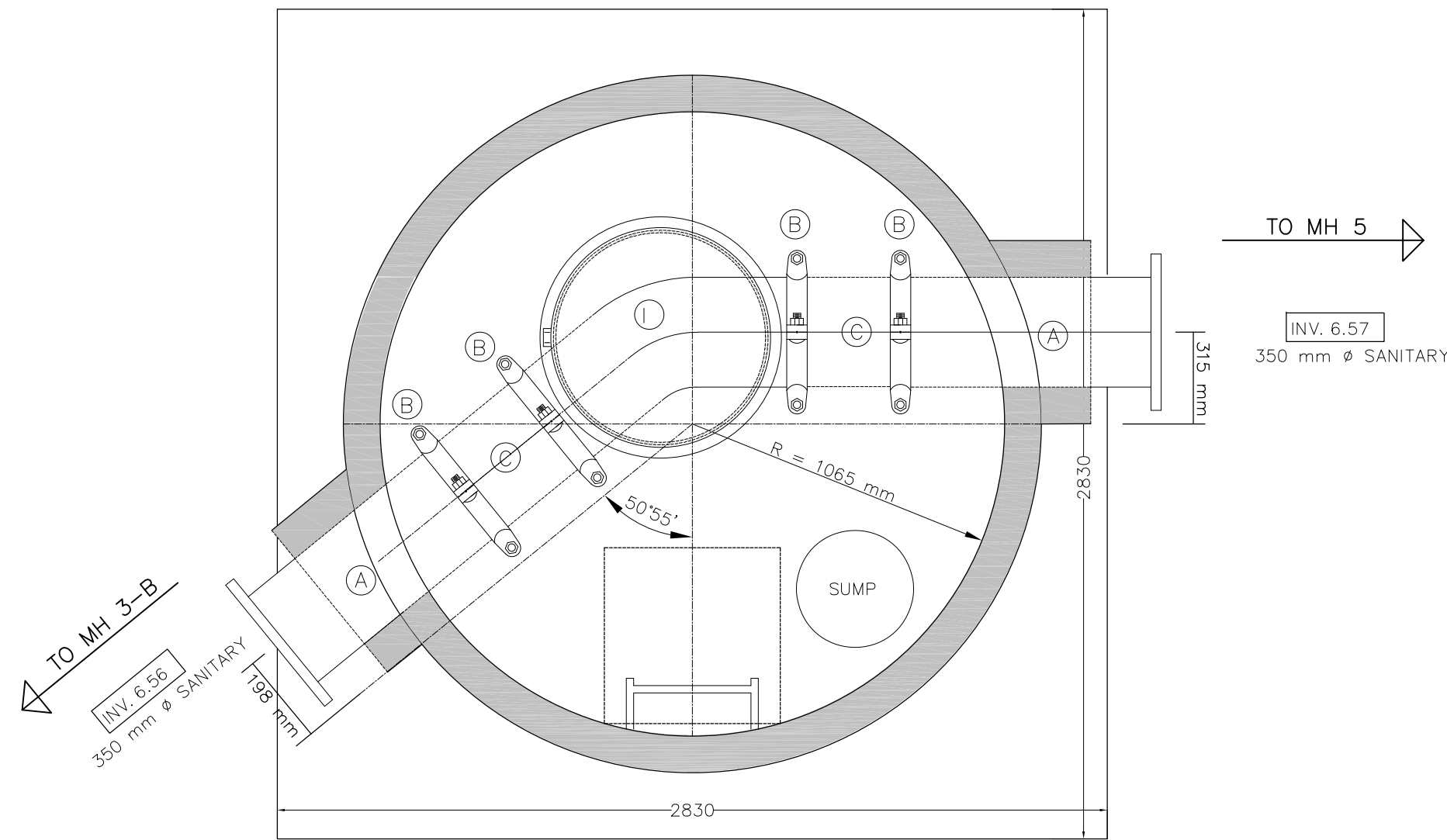
LIST OF COMPONENTS

- (A) 350 mm STEEL TRANSITION, FLANGED ONE END, VICTAULIC INSIDE
- (B) 350 mm VICTAULIC STYLE 77 COUPLER
- (C) 350 mm STEEL SPOOL PIECE, LENGTH TO SUIT
- (D) 350 mm VICTAULIC ELBOW 45°
- (E) 350 mm VICTAULIC ELBOW 90°
- (F) CLEANOUT, 350 mm, CONFIGURE AS SHOWN, SEE DRAWING C-502
- (G) 100 mm STEEL TRANSITION, FLANGED ONE END, VICTAULIC INSIDE
- (H) 100 mm VICTAULIC STYLE 77 COUPLER
- (J) 100 mm STEEL SPOOL PIECE, LENGTH TO SUIT
- (K) 100 mm VICTAULIC ELBOW 45°
- (L) 100 mm VICTAULIC ELBOW 90°
- (M) 100 mm WELDOLET
- (N) 250 mm VICTAULIC STYLE 77 COUPLER
- (P) 250 mm STEEL TRANSITION, PLAIN ONE END, VICTAULIC INSIDE



PLAN - MH 3-B

SCALE: 1:20



PLAN - MH 3-C

SCALE: 1:20