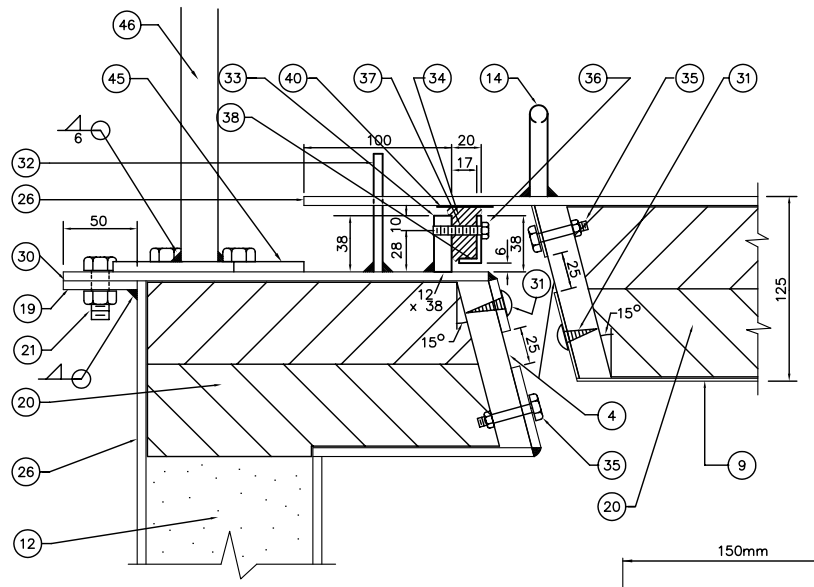
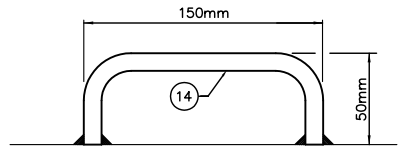
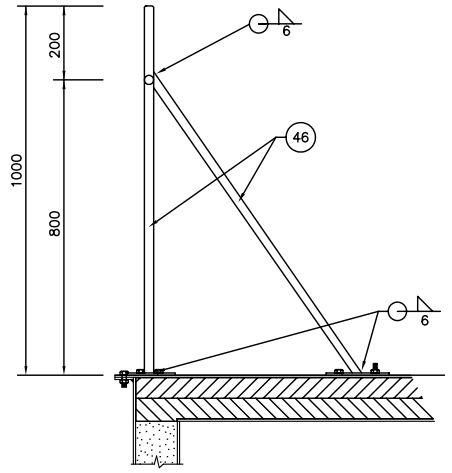


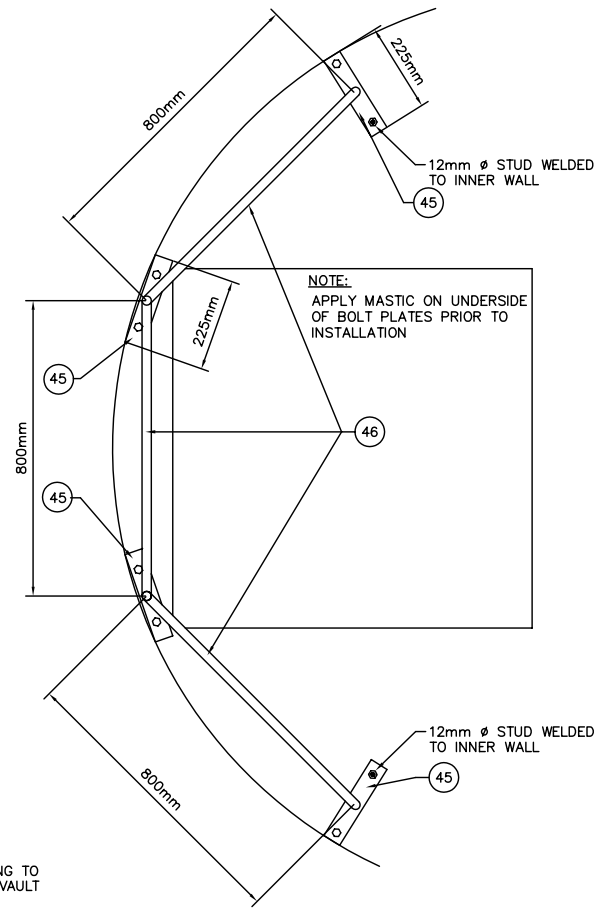
DETAIL 2 / C143
Scale 1:2.5



HANDLE DETAIL 5 / C143
Scale 1:2.5



LADDER EXTENSION DETAIL 6 / C143
Scale 1:10

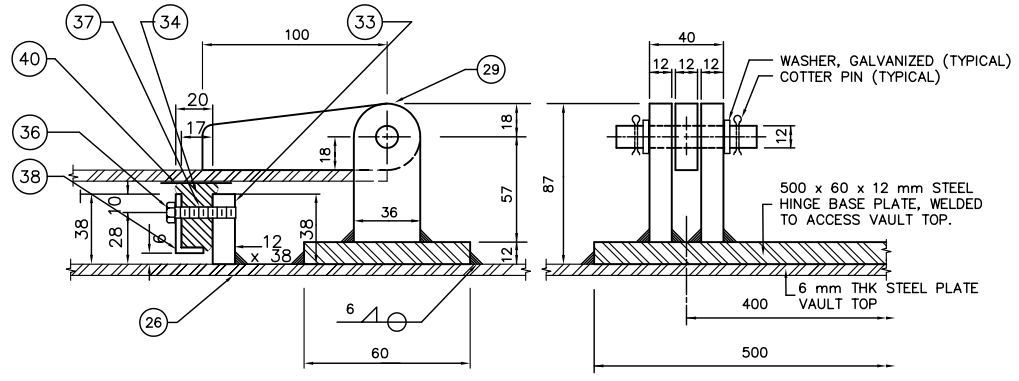


LADDER EXTENSION DETAIL 7 / C143
Scale 1:10

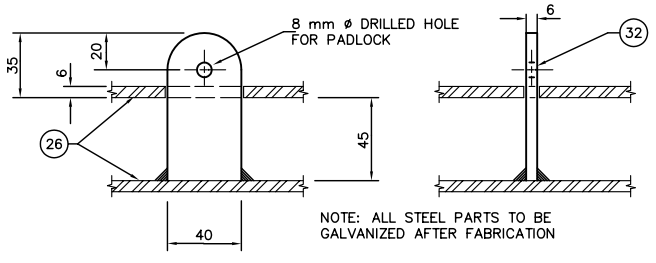
KEY TO NUMBERED PARTS

✳	1	38mm THICK STYROFOAM, CUT TO MATCH EXTERIOR WALL RADIUS.
✳	2	FILLER PIECE, 10mm THICK INSULATION.
✳	3	38mm THICK STYROFOAM INSULATION.
	4	20mm THICK HIGH DENSITY POLYETHYLENE SHEET.
✳	5	10mm THICK SQUARE STEEL BASE
✳	6	LADDER LENGTH AS REQUIRED, SEE DETAIL ON DRAWING C4–03
✳	7	I.P.S. H.D.P.E. PIPE D.R.11
	9	20 GAUGE METAL (DO NOT USE 6mm PLATE).
✳	10	FORD STANDARD STEEL COUPKLING STYLE FC3, LENGTH: 300mm DIA. PIPE – 750mm
	12	FOAMED–IN–PLACE INSULATION (URETHANE).
✳	13	STAINLESS STEEL INSERT FOR H.D.P.E. PIPE LENGTH TO SUIT, WELDED, 400mm LENGTH
	14	HANDLE, 12mm DIA. GALVANIZED STEEL
✳	15	FIRST LAYER OF HEAT SHRINK SLEEVE (0.9mm) THICK BLACK POLYETHYLENE SELF ADHESIVE).
✳	16	SECOND LAYER OF HEAT SHRINK SLEEVE (SAME AS ITEM 15 ABOVE).
✳	17	INSULATED COVER FOR FLANGED JOINT, O.D. TO MATCH O.D. OF ITEM (18) SIZE TO SUIT, MASTIC COATED.
✳	18	OUTER STEEL SLEEVE SECTION WELDED TO ACCESS VAULT OUTER WALL 10mm THK. PROTRUDING 200mm, O.D. 630mm FOR 300mm DIA.
	19	10mm x 50mm CONTINUOUSLY WELDED TO EXTERIOR BARREL
	20	URETHANE SHEET INSULATION CUT TO SIZE.
	21	12mm CAD. PLATED STEEL BOLT, NUT AND WASHER 150mm SPACING.
✳	24	LIFTING LUGS – FOUR PER ACCESS VAULT 150mm x 75mm x 12mm THICK WITH 38mm DIA. LIFTING EYE
✳	25	REINFORCING PLATE 200mm x 200mm x 12mm CURVED TO EXTERIOR WALL RADIUS
	26	6mm THICK STEEL PLATE ACCESS VAULT CONSTRUCTION.
✳	27	75mm URETHANE PIPE INSULATION, SHOP APPLIED.
	29	HINGES SPACED AT 400mm APART, SEE DETAIL DRAWING No. C144
	30	GASKET 50mm x 3mm COMPRESSIBLE NEOPRENE RUBBER.
	31	#12–30 PAN HEAD SHEET METAL SCREWS AT 100mm SPACING.
	32	HASP ASSEMBLY, SEE DETAIL DWG. No. C144
	33	12mm x 38mm x 500mm STEEL BAR ALL AROUND HATCH (INSIDE HINGES), TAPPED FOR (36)
	34	20mm x 38mm CLOSED CELL NEOPRENE ASTM D1056–85, GRADE 2A2–CE1/F2MP PERMASTIK 1220X OR EQUAL.
	35	6mm GALVANIZED BOLT NUT AND WASHER AT 100mm SPACING.
	36	6mm x 31mm CAD. PLATED STEEL BOLT 150mm SPACING.
	37	6.5mm x 17mm SPACER, GALVANIZED PIPE.
	38	3mm x32mm x 20mm GALVANIZED IRON.
✳	39	SCHEDULE 80 STEEL PIPE, SIZE TO SUIT. EPOXY COATED AFTER VAULT FABRICATION
	40	38mm WIDE TEFLON TAPE, LOW TEMPERATURE ADHESIVE, 15mil.
✳	42	1000mm LONG GRADE 30 REGULAR LINK CHAIN WITH SAFETY HOOK c/w SNAP LINKS ON BOTH SIDES
✳	44	10mm STEEL RING, WELD TO OUTER SLEEVE AND STEEL PIPE
	45	10mm THK. STEEL PLATE, 50mm x 225mm
	46	25mm DIA. GALVANIZED STEEL BAR

PARTS MARKED AS ✳ SEE DETAILS ON DRAWING No. C143



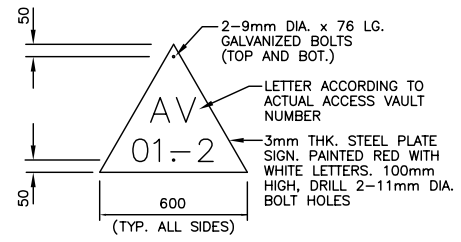
COVER HINGE DETAIL 3 / C143
Scale 1:2



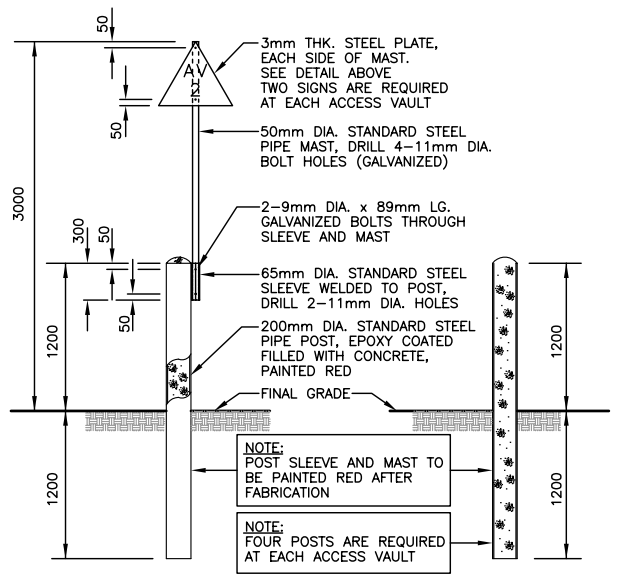
HASP DETAIL 4 / C143
Scale 1:2

GENERAL NOTES:

- FILL VOID BETWEEN PRE–INSULATED PIPE AND PRE–FORMED INSULATION HALF–SHELLS WITH FOAMED–IN–PLACE URETHANE.
- ALL PREFABRICATED STEEL PARTS OF ACCESS VAULT SHALL BE SAND BLASTED AND EPOXY COATED INSIDE AND OUTSIDE (INSIDE COLOUR TO BE WHITE, OUTSIDE COLOUR TO BE GREY).
- CONSTRUCT ACCESS VAULT FROM 6mm STEEL PLATE WITH CONTINUOUS (FULLY) WELDED CONSTRUCTION. FABRICATE COMPLETELY PRIOR TO EPOXY COATING.
- ALL STEEL TO BE CSA G40–21 TYPE 260
- ALL PIPING INSIDE THE ACCESS VAULT IS TO BE PREFABRICATED TO THE CONNECTIONS WITH THE EXTERIOR PIPES. PROVIDE ALL ACCESSORIES AND PIPING AND ALL THE NECESSARY ATTACHMENTS. LUGS TO BE PRE–WELDED IN PLACE PRIOR TO SAND BLASTING AND EPOXY COATING.
- ALL EXPOSED SURFACES OF URETHANE INSULATION TO BE FIELD COATED WITH MASTIC.
- ALL BOLTS, NUTS AND WASHERS TO BE CADMIUM PLATED.



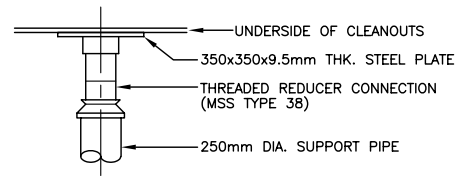
DETAIL
Scale 1:10



ACCESS VAULT MARKER POST

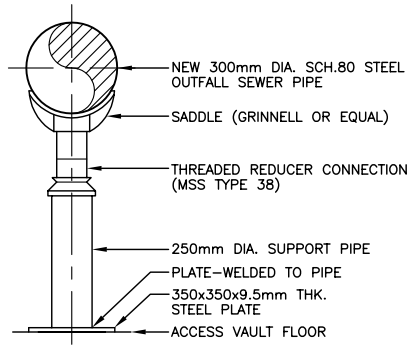
BOLLARD DETAIL

BOLLARD DETAILS
Scale 1:20



NOTE:
ALL COMPONENTS TO BE GALVANIZED.

UNDER CLEANOUTS PIPE SUPPORT DETAIL
Scale 1:25



NOTE:
ALL COMPONENTS TO BE GALVANIZED.

PIPE SUPPORT DETAIL
Scale 1:25

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PERMIT TO PRACTICE
EARTH TECH (CANADA) INC.
Original Signature GLENN PROSKO
Original Date 2005–03–10
PERMIT NUMBER: P 005
The Association of Professional Engineers, Geologists and Geophysicists of the NWT/NU

Stamp

REGISTERED PROFESSIONAL ENGINEER NT/NU
ORIGINALLY SIGNED BY GLENN PROSKO 2005–03–10

No.	Date	Description
0	2005 3/14	ISSUED FOR TENDER

REVISIONS

Iqaluit ᐃᖃᓗᐃᑦ
CITY of IQALUIT, Nunavut

Design R.H.B./G.A.P.
Drawn R.J.H.
Approved
Checked

Project Title
CITY OF IQALUIT WASTEWATER TREATMENT PLANT PHASE 1

Drawing Title
ACCESS VAULT STANDARD DETAILS

Scale AS NOTED
Project No. 75360
Date 2005–03–09
Drawing No. **C144**
Revision **0**

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