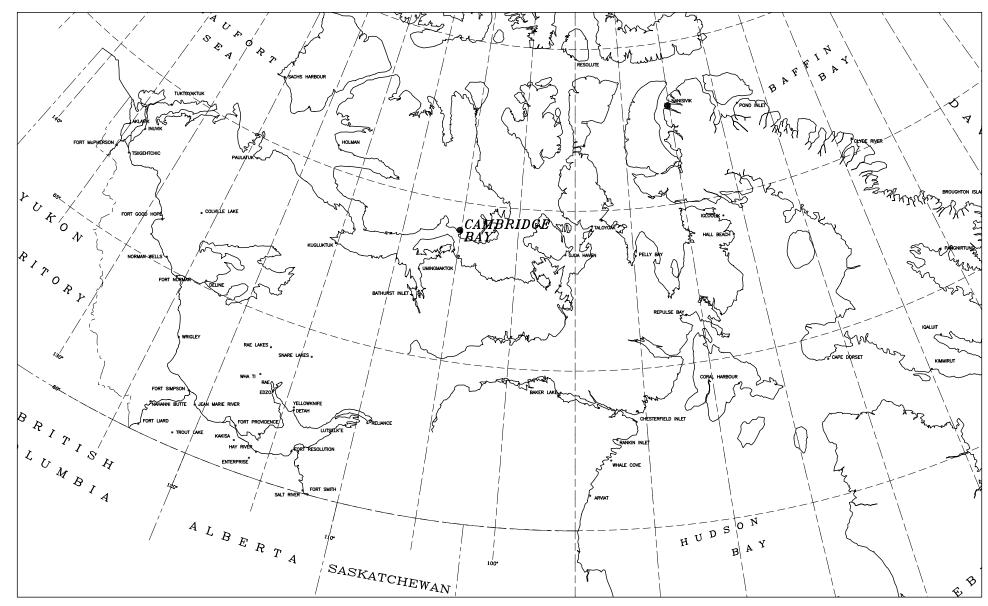


# THE GOVERNMENT OF NUNAVUT **COMMUNITY GOVERNMENT & TRANSPORTATION**

PROJECT: WATER PIPELINE REPLACEMENT - ISSUED FOR CONSTRUCTION

LOCATION: CAMBRIDGE BAY, NUNAVUT PROJECT NO: 02-4604

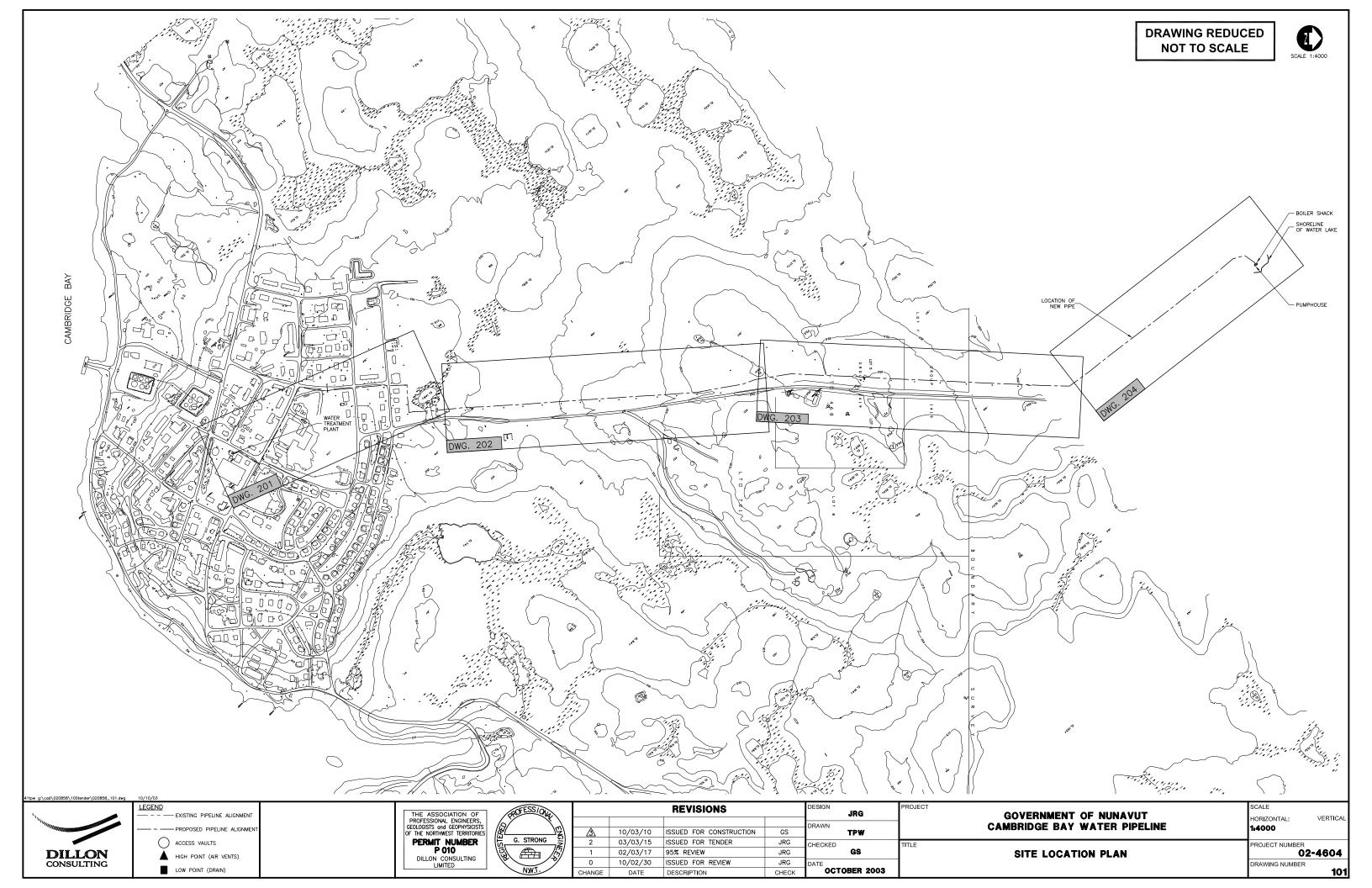
**CONTRACT NO: CT03-2002** 

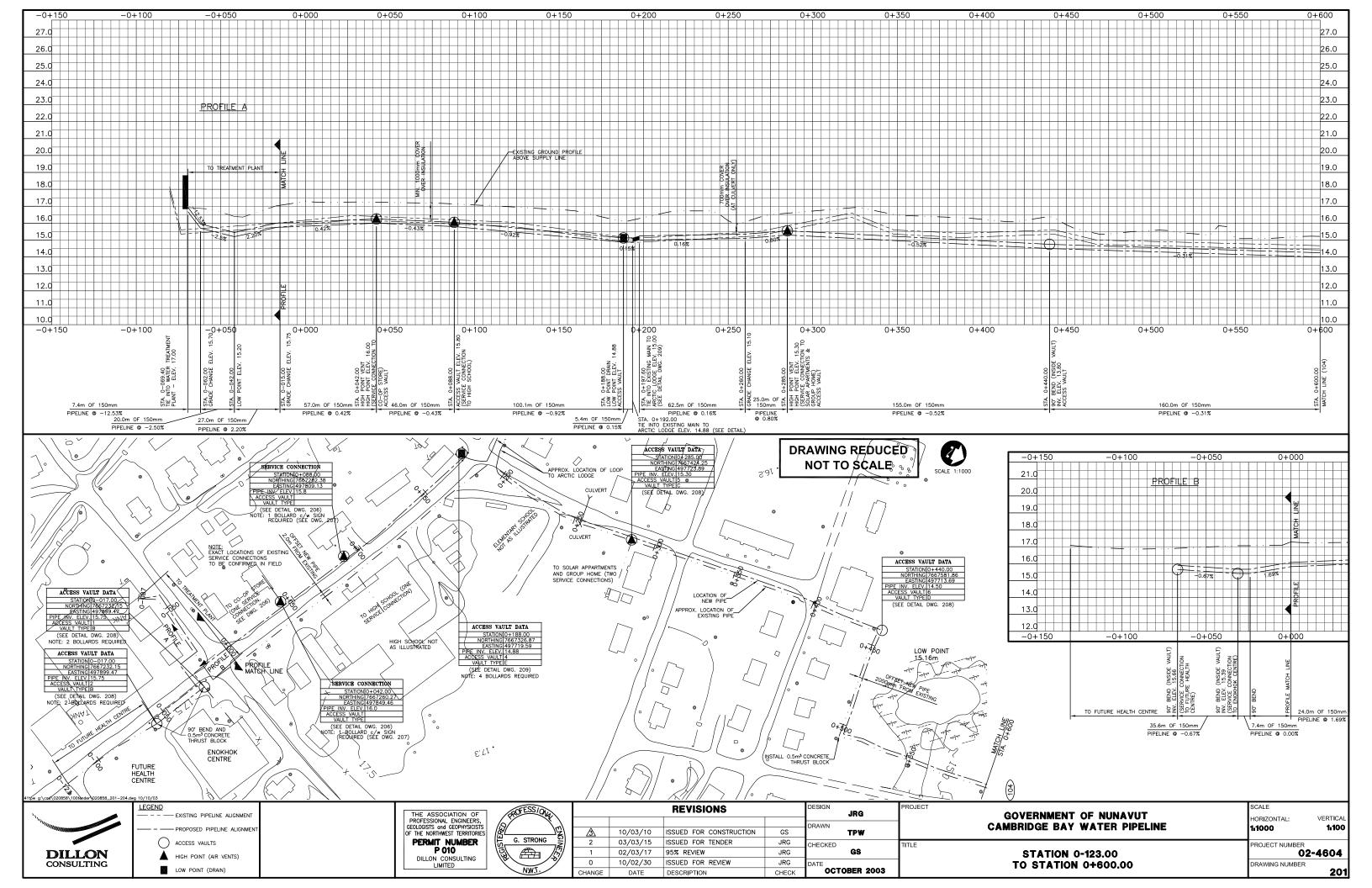


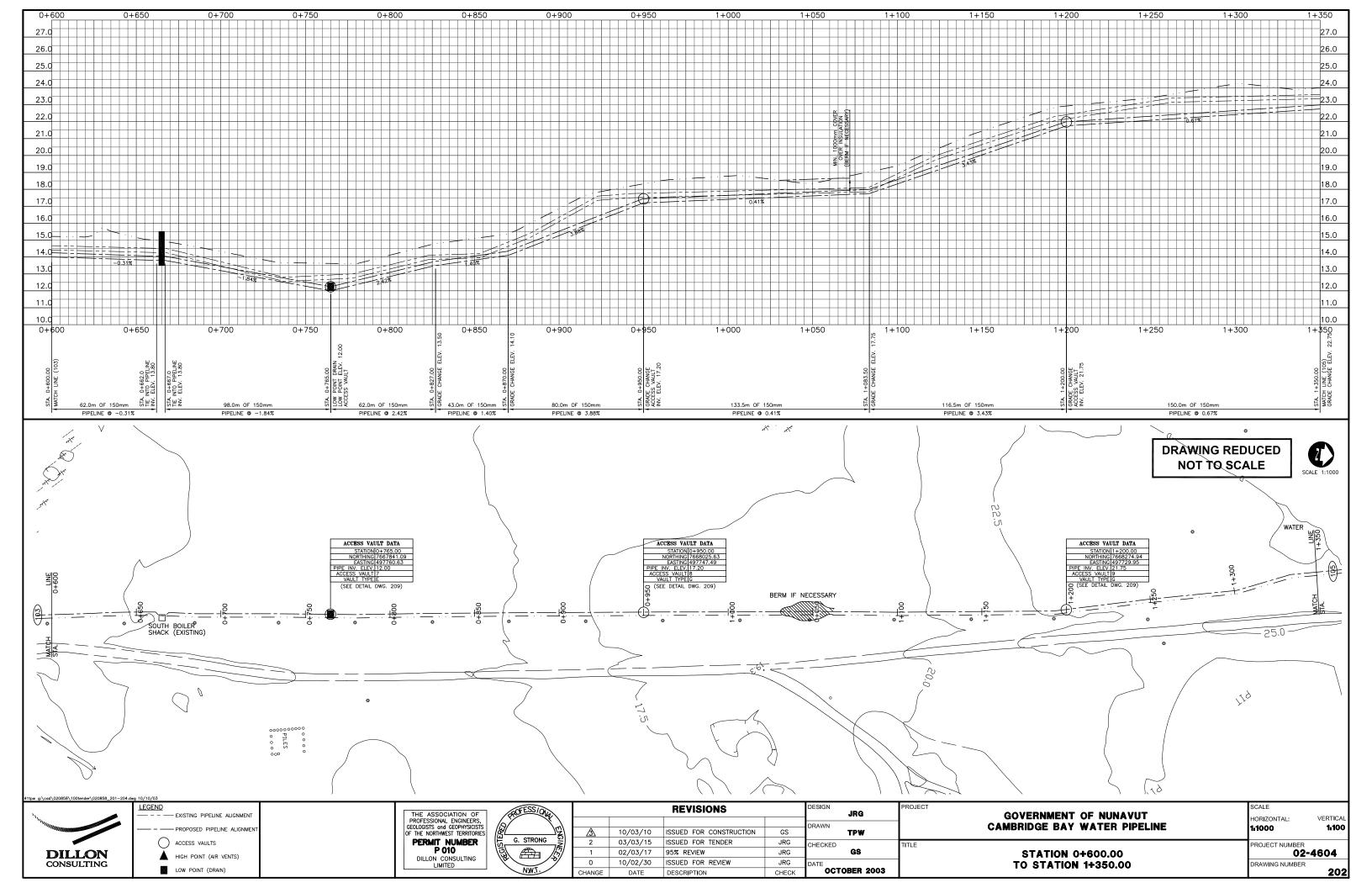
## **LIST OF DRAWINGS**

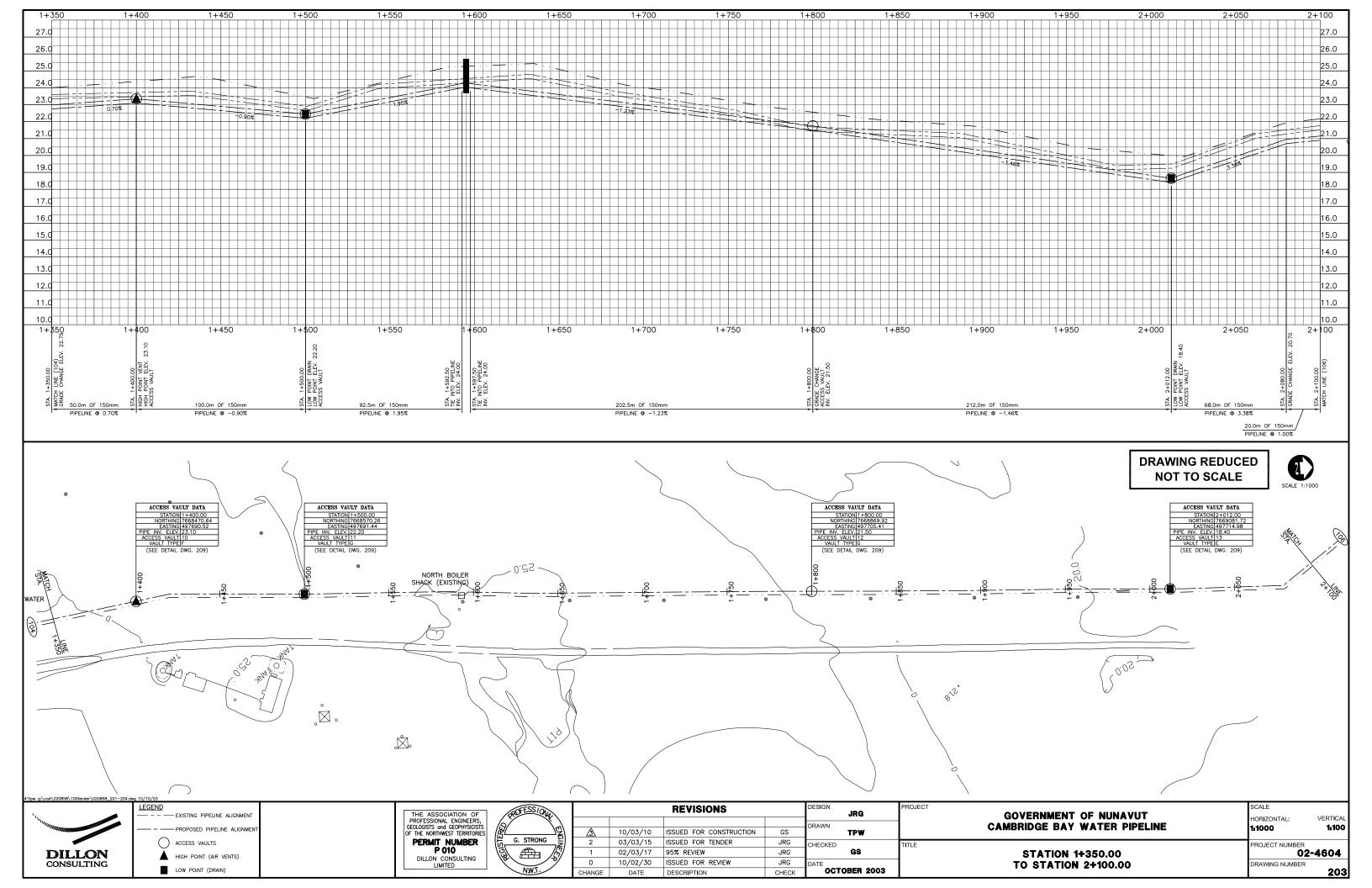
FIGURE	100	COVER SHEET
FIGURE	101	SITE LOCATION PLAN
FIGURE	201	PIPELINE PLAN & PROFILE STA 0-123.00 TO 0+600.00
FIGURE	202	PIPELINE PLAN & PROFILE STA 0+600.00 TO 1+350.00
FIGURE	203	PIPELINE PLAN & PROFILE STA 1+350.00 TO 2+100.00
FIGURE	204	PIPELINE PLAN & PROFILE STA 2+100.00 TO 2+627.78
FIGURE	205	CONNECTIONS AND MISC. DETAILS
FIGURE	206	SERVICE CONNECTIONS AND MISC. DETAILS
FIGURE	207	TYPICAL ACCESS VAULT AND DETAILS
FIGURE	208	VAULT CONFIGURATION DETAILS
FIGURE	209	VAULT CONFIGURATION DETAILS
FIGURE	301	EXISTING WATER SUPPLY SYSTEM SCHEMAT
FIGURE	401	BOILER SHACK LAYOUT & SCHEMATIC
FIGURE	402	INTAKE PUMPHOUSE DETAILS

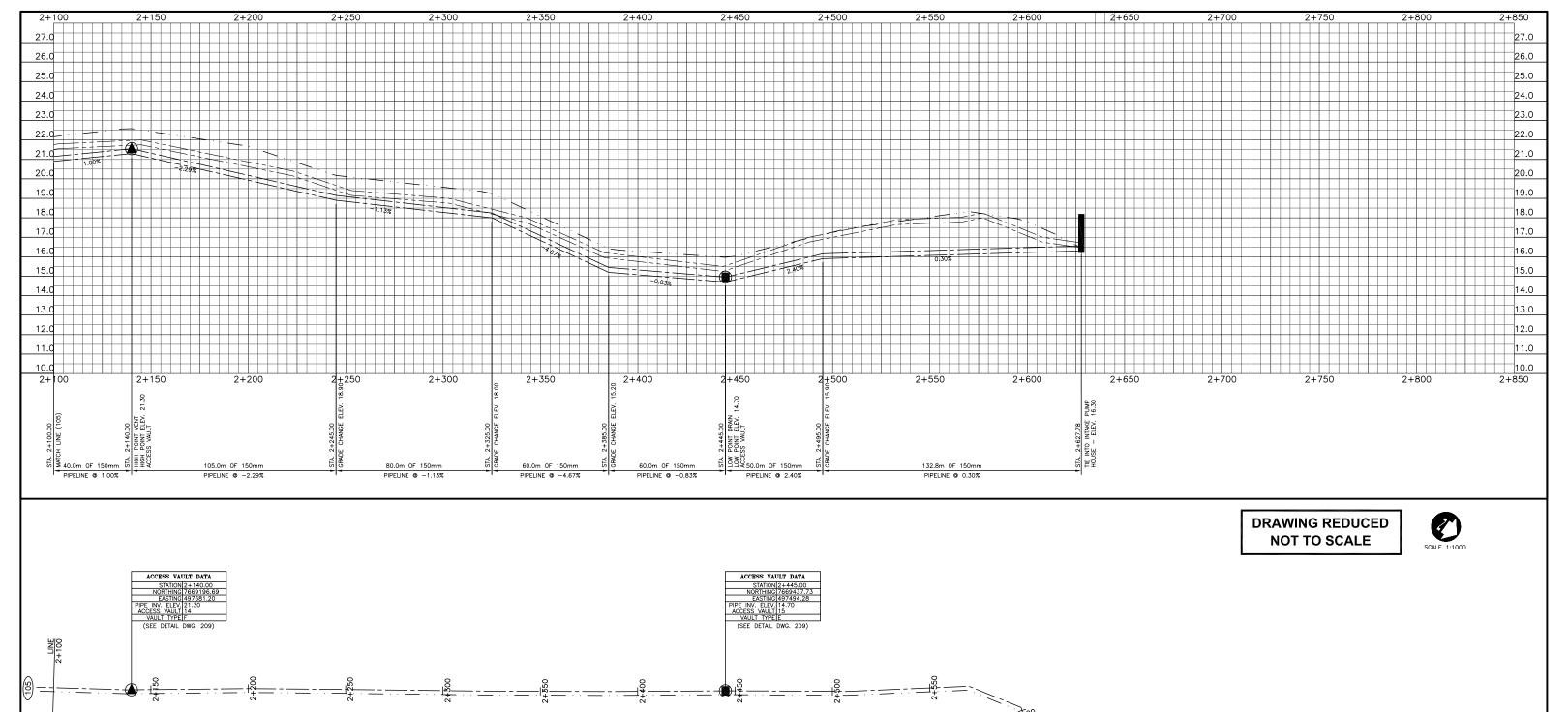












**REVISIONS** 

ISSUED FOR REVIEW

03/03/15 ISSUED FOR TENDER

DATE DESCRIPTION

10/02/30

ESIGN

CHECKED

GS

JRG

JRG

JRG

JRG

TPW

OCTOBER 2003

**GOVERNMENT OF NUNAVUT** 

**CAMBRIDGE BAY WATER PIPELINE** 

**STATION 2+100.00** 

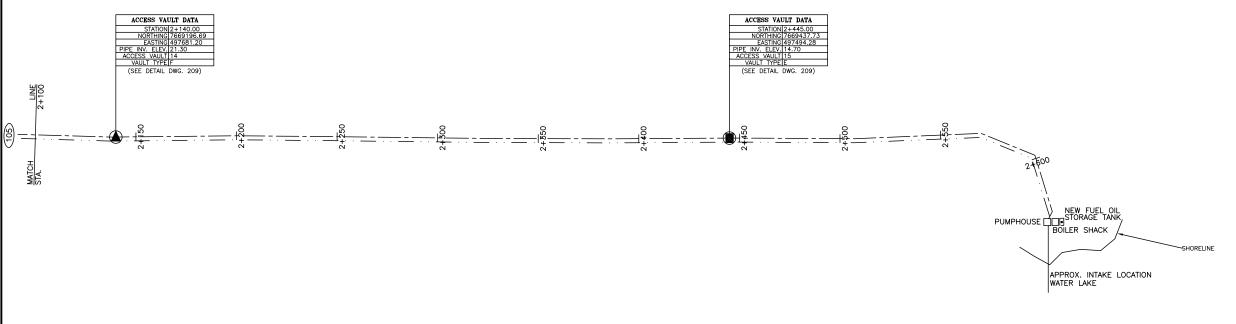
**TO STATION 2+627.78** 

HORIZONTAL:

1,100

02-4604

1:1000



G. STRONG

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PERMIT NUMBER
P 010

DILLON CONSULTING
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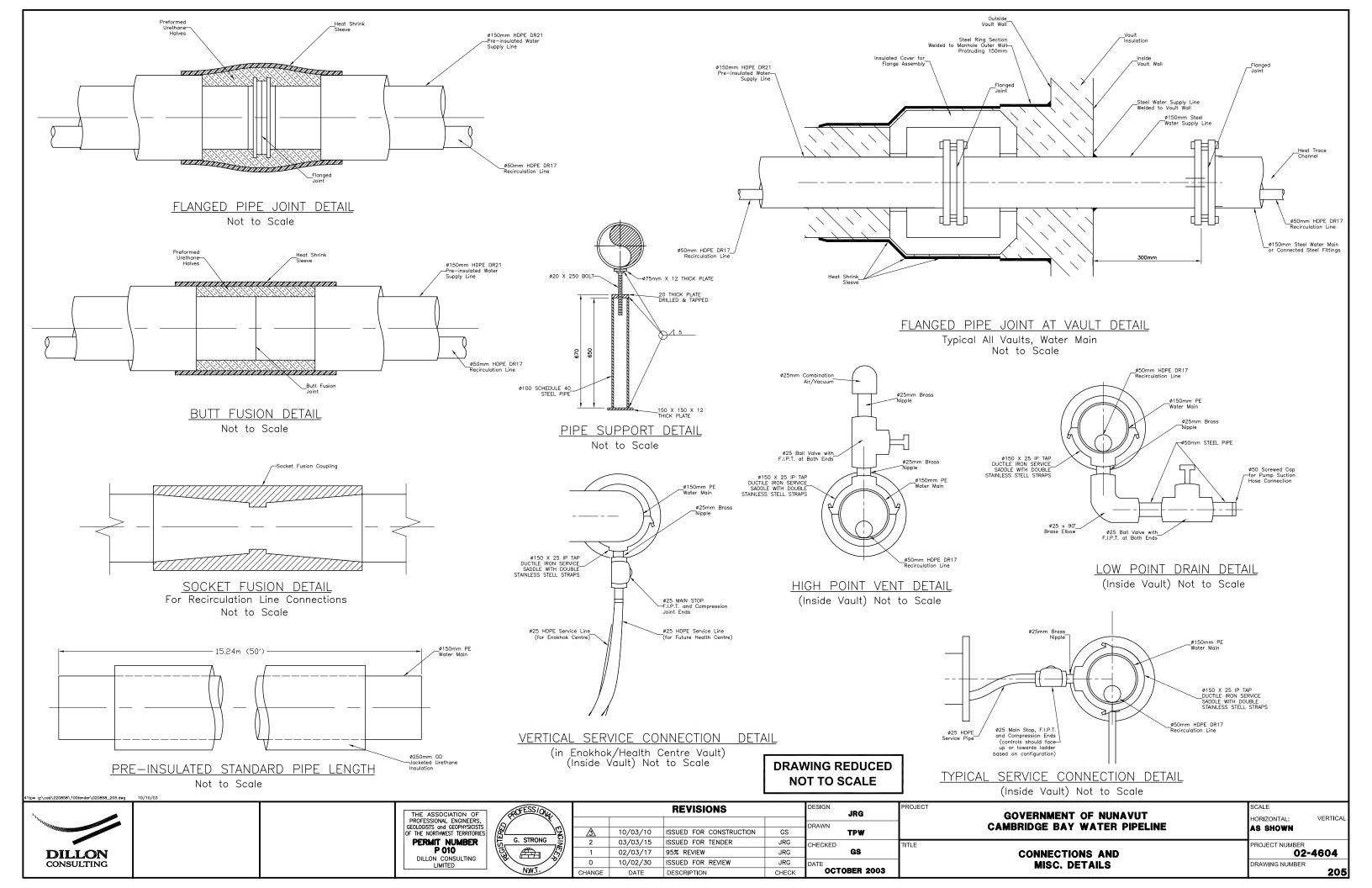
---- EXISTING PIPELINE ALIGNMENT

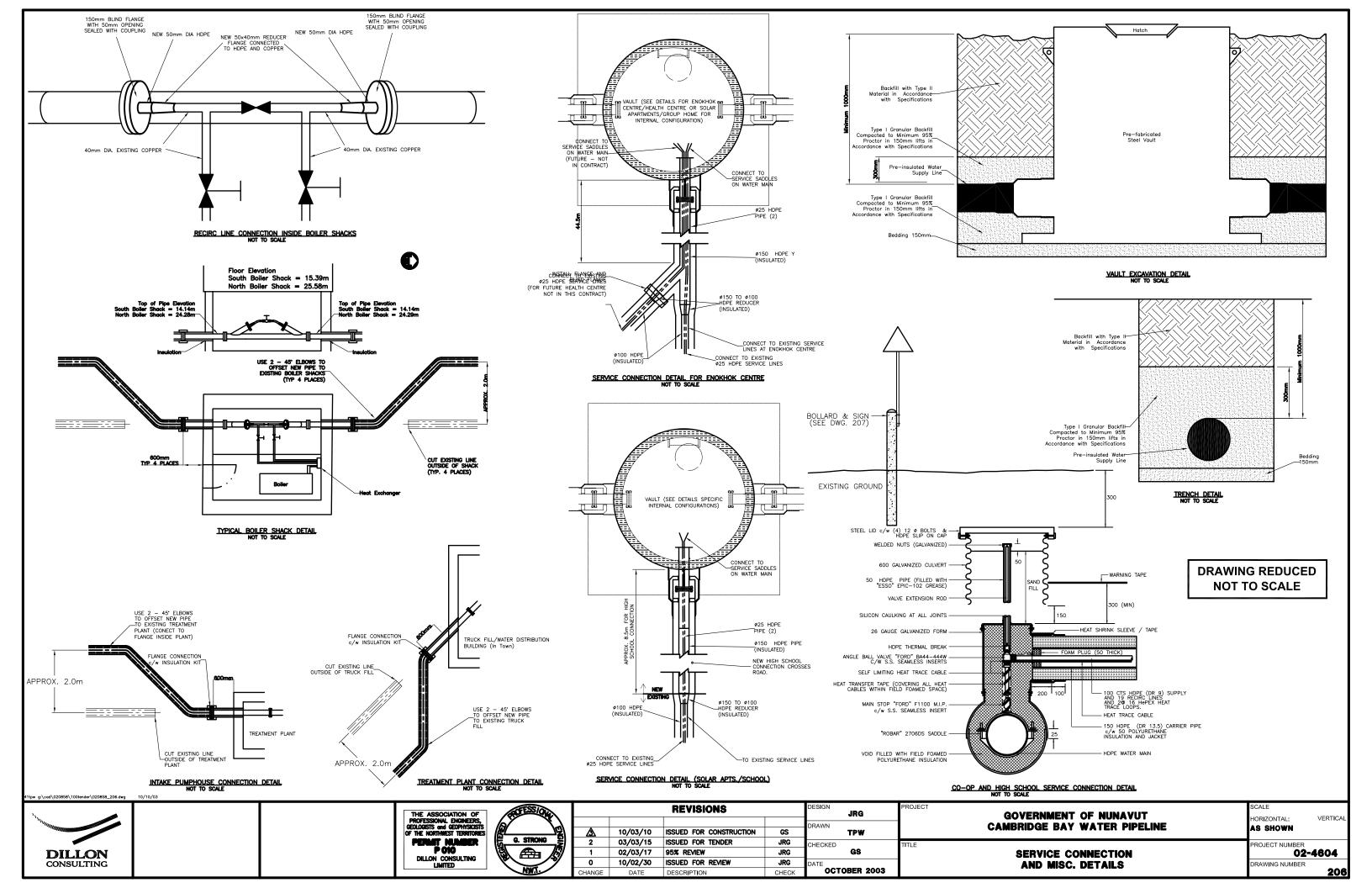
ACCESS VAULTS

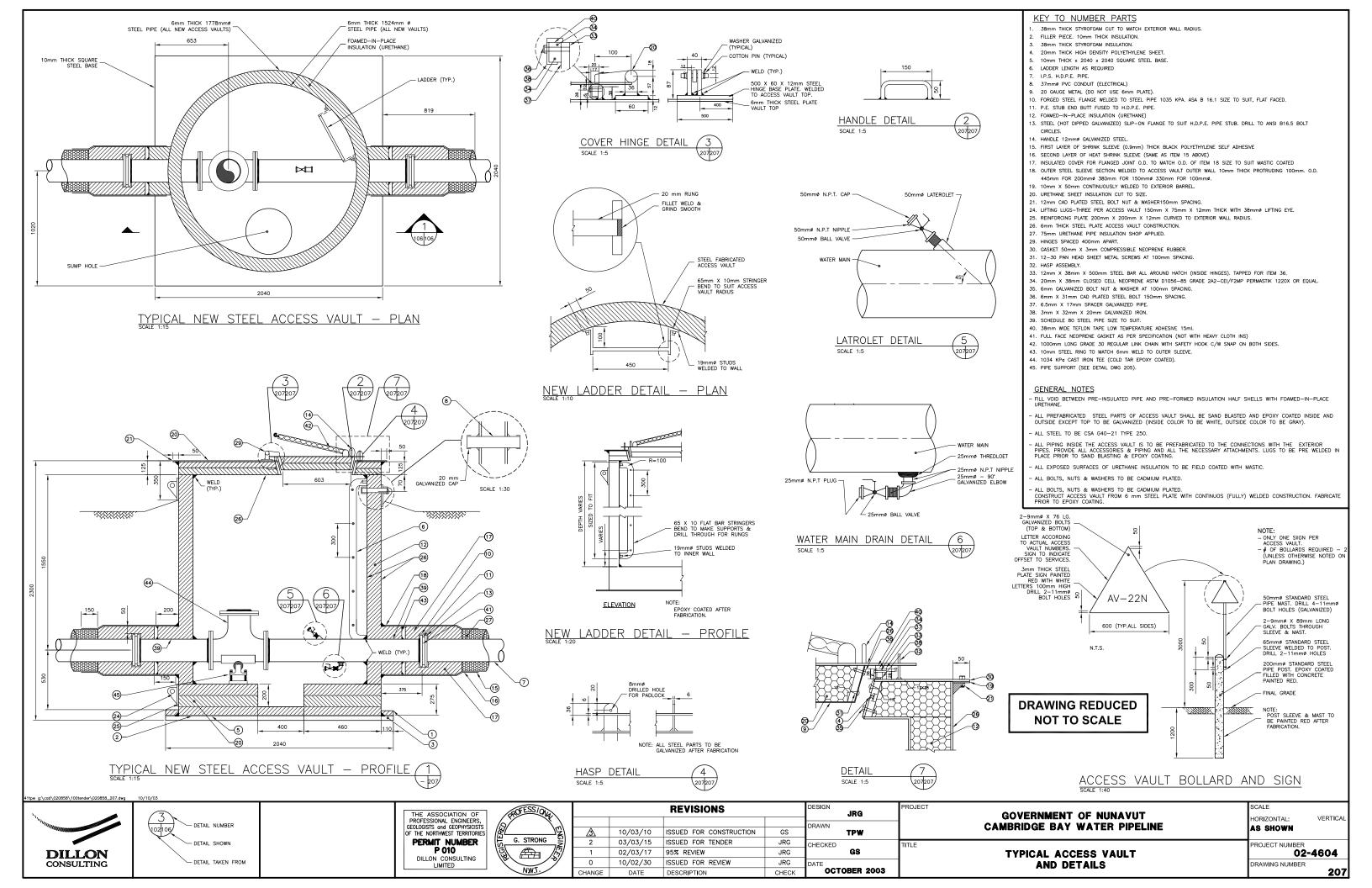
LOW POINT (DRAIN)

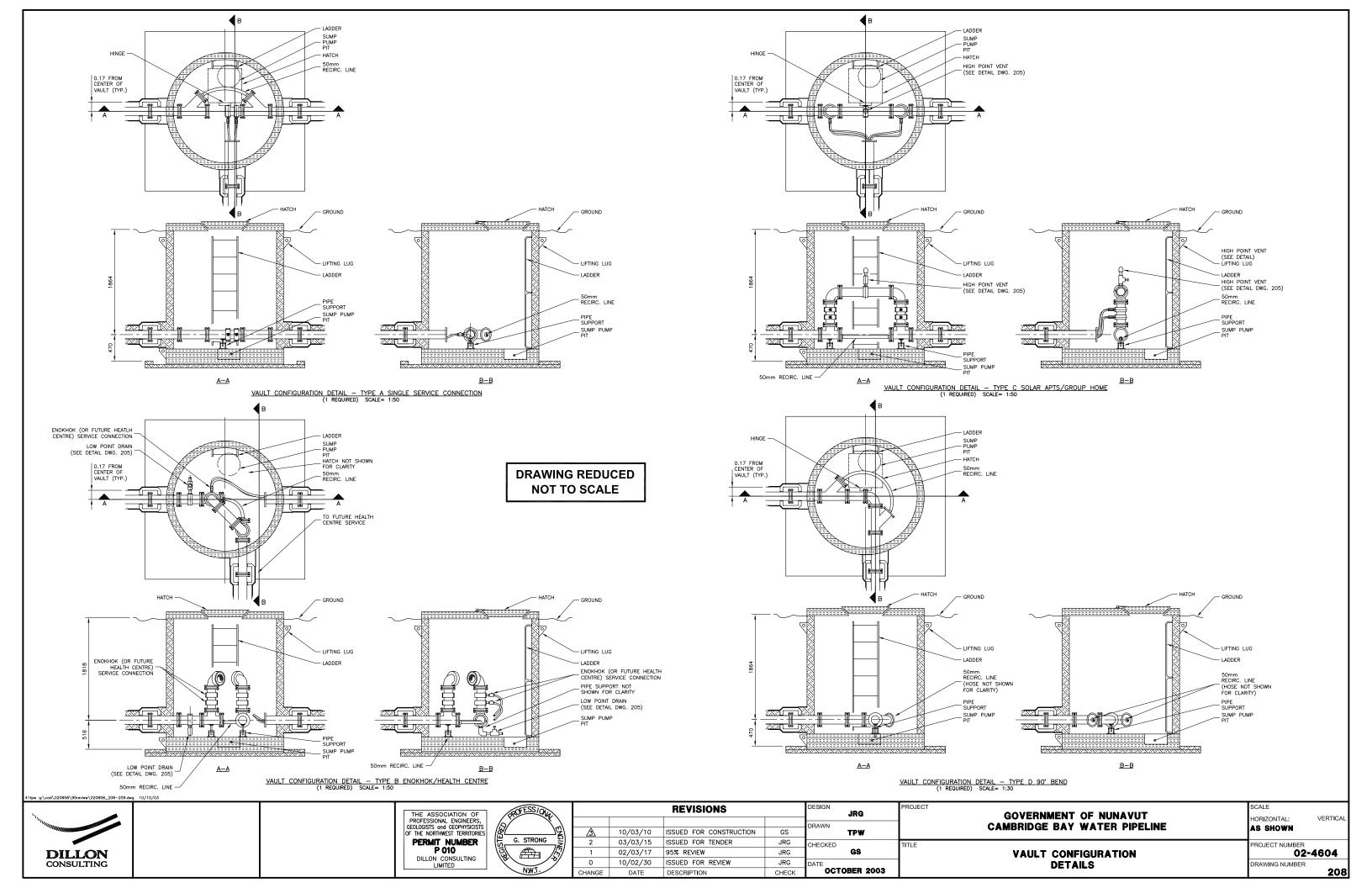
A HIGH POINT (AIR VENTS)

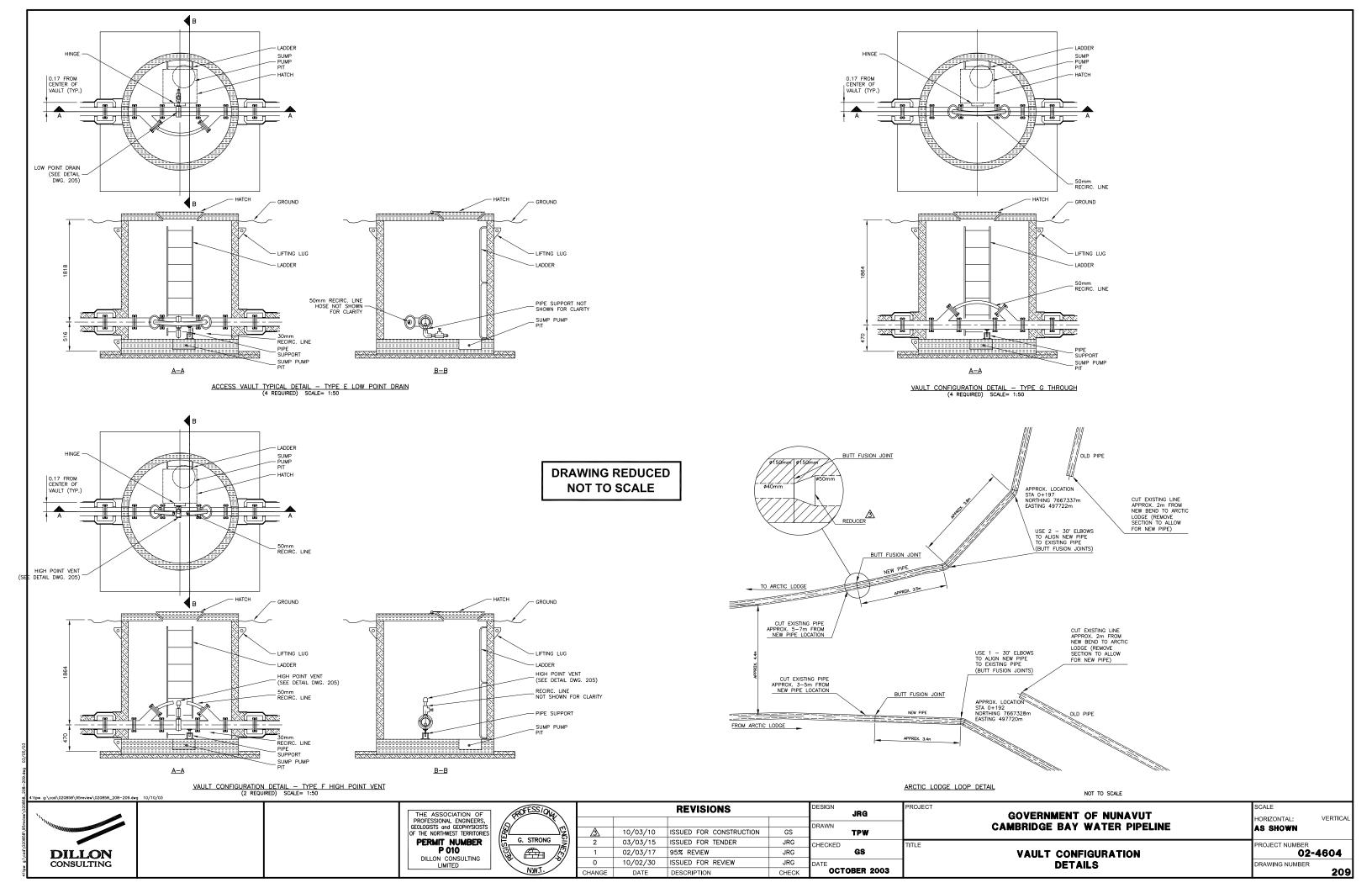
**DILLON** CONSULTING

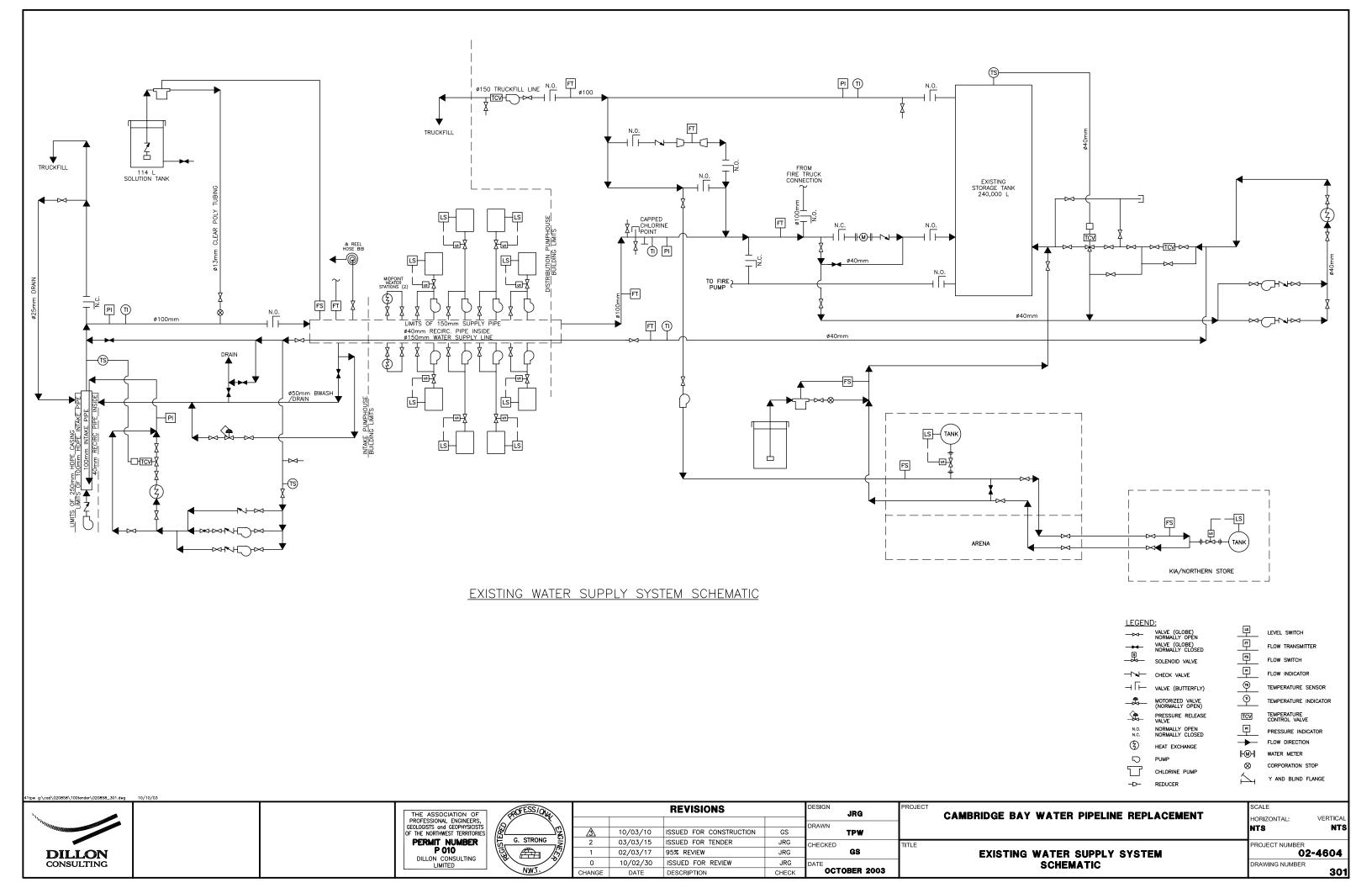


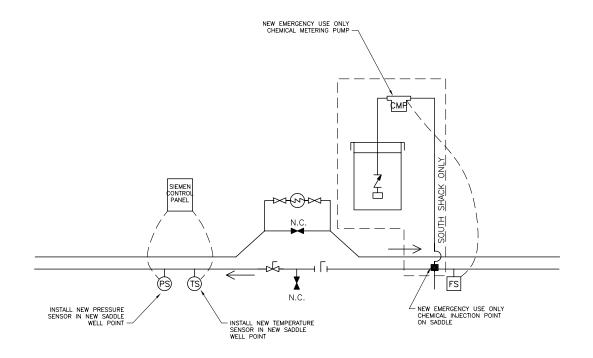












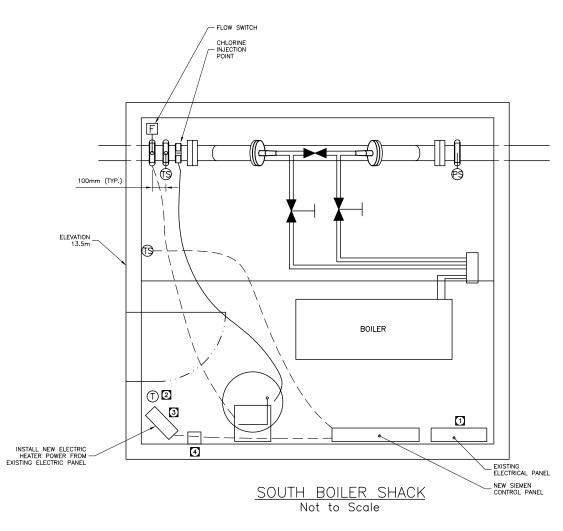
NORTH & SOUTH BOILER SCHEMATIC

Not to Scale

BOILER

5

## **DRAWING REDUCED NOT TO SCALE**



#### **GENERAL NOTES:**

LEGEND:

3

 $\nabla$ 

CMP

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VALVE (GLOBE) NORMALLY OPEN

VALVE (GLOBE) NORMALLY CLOSED

SOLENOID VALVE

PRESSURE RELEASE VALVE

HEAT EXCHANGE

LEVEL SWITCH

CHEMICAL METERING PUMP

PUMP

──── CHECK VALVE

- DO COMPLETE INSTALLATION IN ACCORDANCE TO NATIONAL EXLECTRICAL CODE AND BYLAWS AND STANDARDS OF LOCAL AUTHORITIES.
   SUBBIT TO ELECTRICAL INSPECTION DEPARTMENT AND SUPPLY AUTHORITY NECESSARY NUMBER OF DRAWINGS AND SPECIFICATIONS FOR EXAMINATION AND APPROVAL PRIOR TO COMMENCEMENT OF WORK AND PAY ASSOCIATED FEES.

FLOW TRANSMITTER

FLOW SWITCH

FLOW SENSOR

TEMPERATURE SENSOR

TEMPERATURE INDICATOR

PRESSURE SENSOR

PRESSURE INDICATOR

TEMPERATURE CONTROL VALVE

FLOW DIRECTION

CORPORATION STOP

Y AND BLIND FLANGE

WATER METER

FS

P

(FS)

(TS)

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**®** 

TCV

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- 3. FURNISH CERTIFICATES OF ACCEPTANCE FROM ELECTRICAL INSPECTION DEPARTMENT ON COMPLETION OF WORK TO ENGINEER.
- 4. EQUIPMENT AND MATERIALS TO BE CSA CERTIFIED.

#### NOTES:

- EXISITING 125A 120/240V 1 PH/3W PIONEER LOAD CENTRE. VERIFY LOCATION ON SITE. INSTALL ONE 20A, 2P AND ONE 15A, 1P BREAKERS TO MATCH EXISTING IN THE SPACE PROVIDED. PROVIDE REVISED PANEL DIRECTORY TO REFLECT CHANGES.
- PROVIDE HEATING THERMOSTAT, SPST 240V, ALMOND COLOUR, SET AT 10°C STANDARD OF ACCEPTANCE: DIMPLEX TS902.
- PROVIDE UNIT HEATER, 3 kW 240V/1/60 C/W CEILING HANG BRACKET. STANDARD OF ACCEPTANCE: CHROMALOX EUHO3B31T.
- PROVIDE 30A, 1P/3W DISC. SWITCH. INSTALL 2 #12
  AWC, RW90 COPPER CONDUCTORS IN 19mm RIGID
  GALVANIZED STEEL CONDUIT TO THE EXISTING LOAD
  CENTRE. ACCEPTABLE PRODUCTS: SQUARE D; CUTLER
  HAMMER;SIEMENS.
- [5] PROVIDE A 15A/120V, 1 PH CIRCUIT TO THE MONITORING SYSTEM. RUN 2 #12AWG IN 19mm RIGID GALVANIZED STEEL CONDUIT TO THE EXISTING LOAD CENTRE.
- [6] PROVIDE AN EMPTY TELEPHONE CONDUIT, 50mm RIGID GALVANIZED STEEL, TERMINATE AND CAP CONDUIT 1500mm FROM BUILDING AND ANOTHER END STUB AT 150mm ABOVE FLOOR.

ELEVATION 23.7m

INSTALL NEW ELECTRIC HEATER POWER FROM EXISTING PANEL

**T 2**  $\bigcirc$ 3

4

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NORTH BOILER SHACK

Not to Scale



1

\_\_ EXISTING ELECTRICAL PANEL

NEW SIEMEN CONTROL PANEL

CINCING			DESIGN JRG		
					DRAWN
	ß	10/03/10	ISSUED FOR CONSTRUCTION	GS	TPW
	2	03/03/15	ISSUED FOR TENDER	JRG	CHECKED <b>GS</b>
	1	02/03/17	95% REVIEW	JRG	
	0	10/02/30	ISSUED FOR REVIEW	JRG	DATE
	CHANGE	DATE	DESCRIPTION	CHECK	OCTOBER 2003

PROJECT SCALE CAMBRIDGE BAY WATER PIPELINE REPLACEMENT HORIZONTAL: NTS **BOILER SHACK SCHEMATIC** 

& LAYOUT

NTS PROJECT NUMBER 02-4604 DRAWING NUMBER

VERTICAL

