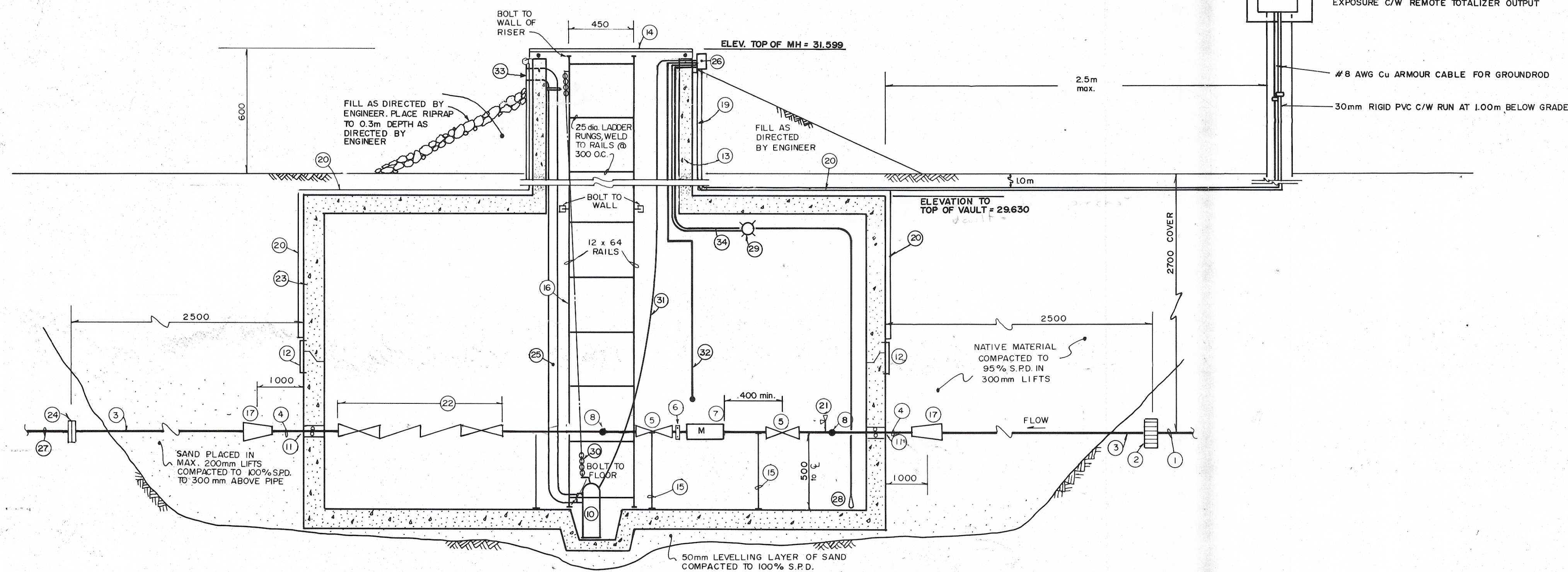
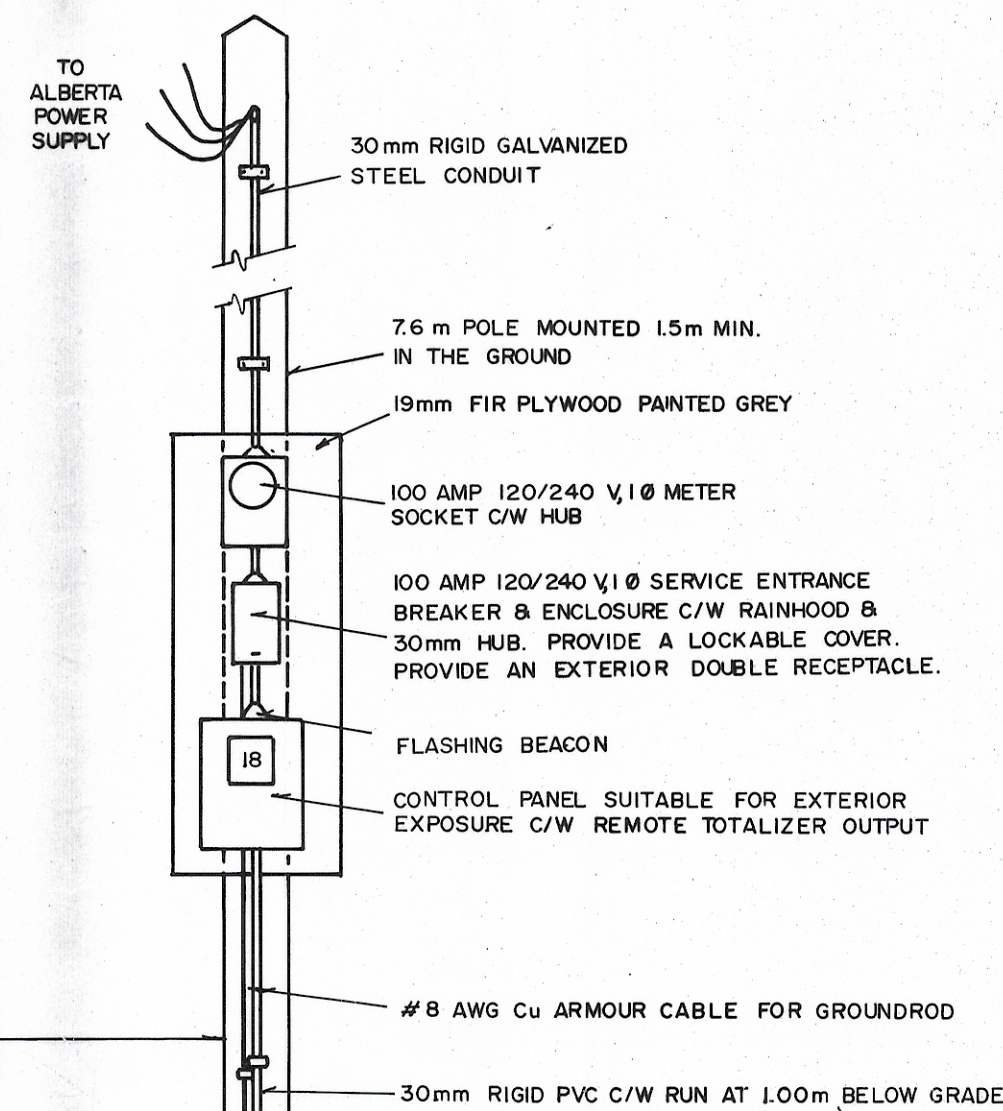


METER VAULT
PLAN VIEW - BELOW TOP SLAB
SCALE = 1:20

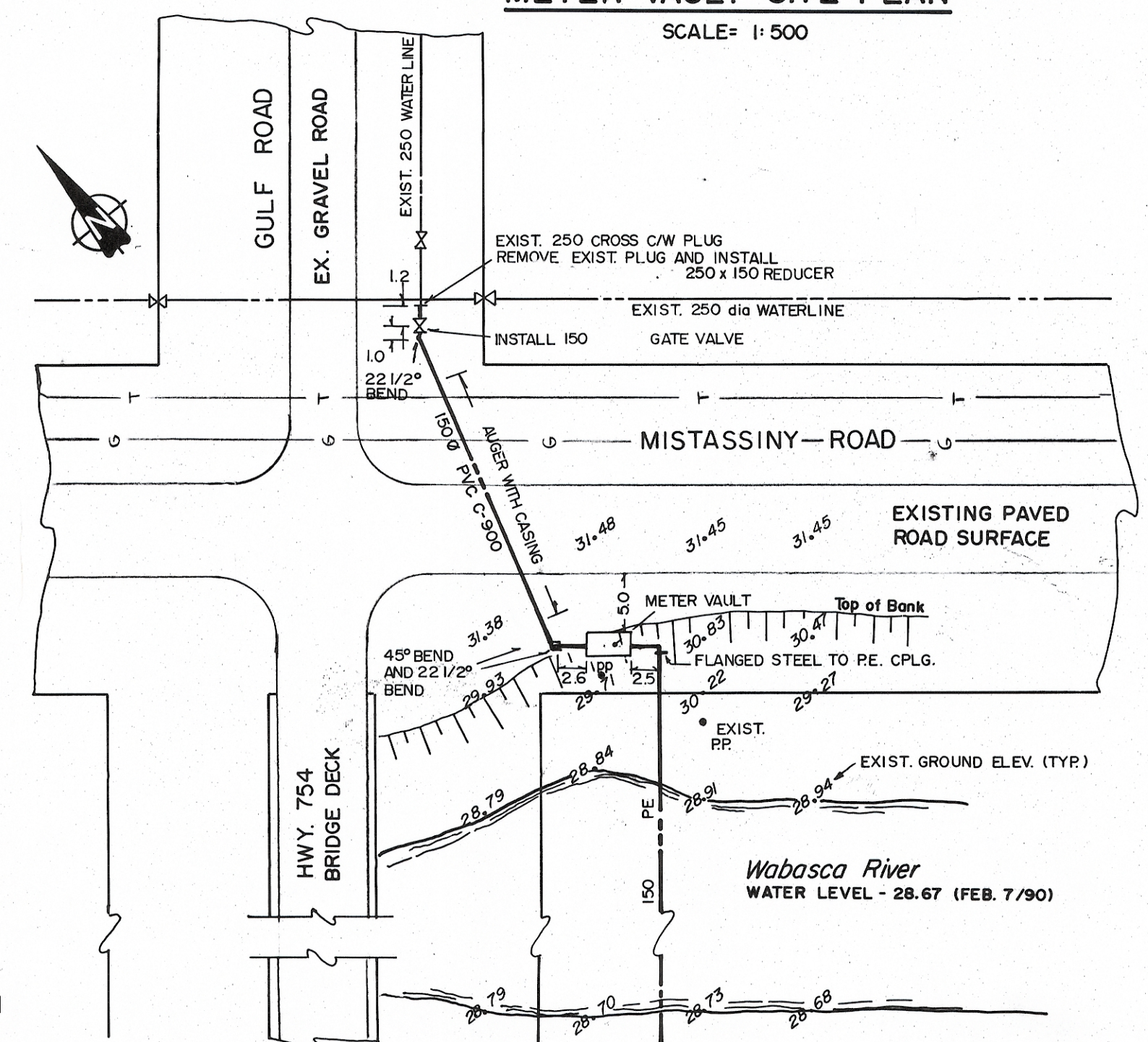


SECTION 1/55
SCALE = 1:20
FOR METER VAULT



- METER VAULT MATERIALS LIST
- 1 WATERLINE (150 DIA.) PVC CLASS 150 C-900
 - 2 TRANSITION COUPLING. STAINLESS STEEL BOLTS AND BODY
 - 3 150 OR 100 DIA. SCH. 40 STEEL PIPE WITH YELLOW JACKET
 - 4 75 DIA. SCH. 40 STEEL PIPE WITH YELLOW JACKET
 - 5 75 DIA. BUTTERFLY VALVE (3 REQUIRED) BRAY SERIES 30 WITH SERIES 01 LEVER
 - 6 VICTAULIC COUPLING
 - 7 75 DIA. TURBINE METER C/W SELF-GENERATING REMOTE READOUT NEPTUNE TRIDENT 75mm
 - 8 75 x 75 x 75 TEE
 - 9 75 - 90 DEGREE BEND
 - 10 SUMP PUMP C/W INTEGRAL ON/OFF FLOAT OR DIAPHRAGM SWITCH - MYERS MODEL 25
 - 11 STEEL SLEEVE CAST INTO WALL. SIZE SLEEVE FOR 75 DIA. SCH. 40 STEEL PIPE AND LINK SEAL
 - 12 PROVIDE WATER INFILTRATION PROTECTION
 - RAM NECK BETWEEN PRECAST SECTIONS
 - EMBECO 187 MORTAR ON INSIDE OF JOINTS
 - CLAYMAX STRIPS 600 WIDE AT EXTERIOR OF JOINTS SECURED WITH HILTI BOLTS AT 600 MM INTERVALS, TOP AND BOTTOM.
 - 13 CONCRETE RISER. SEAL JOINTS AS INDICATED IN ITEM 12. USE MAXIMUM RING HEIGHTS TO REDUCE NO. OF JOINTS.
 - 14 HINGED ALUMINUM COVER C/W PADLOCK. INSULATE UNDERSIDE WITH 50 MM RIGID INSULATION
 - 15 PIPE SUPPORTS. 7 REQUIRED - 2 ON BYPASS AND 3 AS SHOWN ON DRAWING.
 - 16 ALUMINUM LADDER
 - 17 150 x 75 REDUCER
 - 18 REMOTE READOUT MOUNTED IN CONTROL PANEL
 - 19 20 mm PRESSURE TREATED PLYWOOD BOX AROUND CONCRETE RISER C/W 50 mm RIGID INSULATION. FILL VOID WITH VERMICULITE.
 - 20 50 mm RIGID INSULATION ON TOP OF SLAB AND WALLS. EXTEND DOWN 1000 mm ON WALLS
 - 21 HOSE BIBB
 - 22 75 REDUCED PRESSURE BACKFLOW PREVENTOR - FEBCO MODEL 825
 - 23 1.8 m x 3.7 m x 2.0 m (INSIDE DIMENSIONS) GENSTAR TYPE "A" MANHOLE.
 - 24 90° BEND WITH FLANGED CONNECTION. USE STAINLESS STEEL BOLTS
 - 25 50 DIA. RIGID PVC PIPING C/W DISCONNECT COUPLINGS AT PUMP AND AT BENDS.
 - 26 WATERPROOF JUNCTION BOX. ATTACH TO EXTERIOR OF CONCRETE RISER.
 - 27 WATERLINE (150 DIA.) POLYETHYLENE SERIES 80 HIGH DENSITY.
 - 28 VAULT FLOODING. ALARM LEVEL BULB. IF SUMP PUMP FAILS AND WATER LEVEL RISES. FLASHING ALARM TO BE ACTIVATED.
 - 29 150 WATT EXPLOSION PROOF LIGHT BULB
 - 30 GALVANIZED CHAIN TO PULL OUT SUMP PUMP - HOOK TO LADDER AT ENTRANCE
 - 31 FLEXIBLE POWER CABLE FOR SUMP PUMP
 - 32 RIGID CONDUIT FOR CABLE FROM METER TO REMOTE READOUT.
 - 33 50 DIA. DISCHARGE FROM SUMP PUMP C/W INSECT SCREEN.
 - 34 POWER SUPPLY TO LIGHT IN RIGID CONDUIT

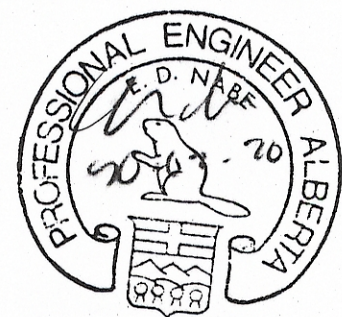
METER VAULT SITE PLAN
SCALE = 1:500



INAC PROJECT NUMBER - YEAR 70865-90/91
INAC DESIGN NO. 777-166D-006

LEGEND

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AS-BUILT
DATE: 11-15-90
REVIEWED BY: 151



PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature: [Signature]
Date: 2007-20
PERMIT NUMBER: P 2998
The Association of Professional Engineers,
Geologists and Geophysicists of Alberta

No.	DATE	DESCRIPTION	BY	APP
1	05/90	AS BUILT	DF	KF
REVISIONS				

SCALE	AS SHOWN	PROJECT No.	36-89-15
DESIGNED BY	KF	DRAWN BY	DFF
CHECKED BY	EDN	DATE	FEB, 1990

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BIGSTONE CREE BAND

INDIAN RESERVE NO. 166D

DETAILS
METER VAULT

SHEET OF DWG. No. 05