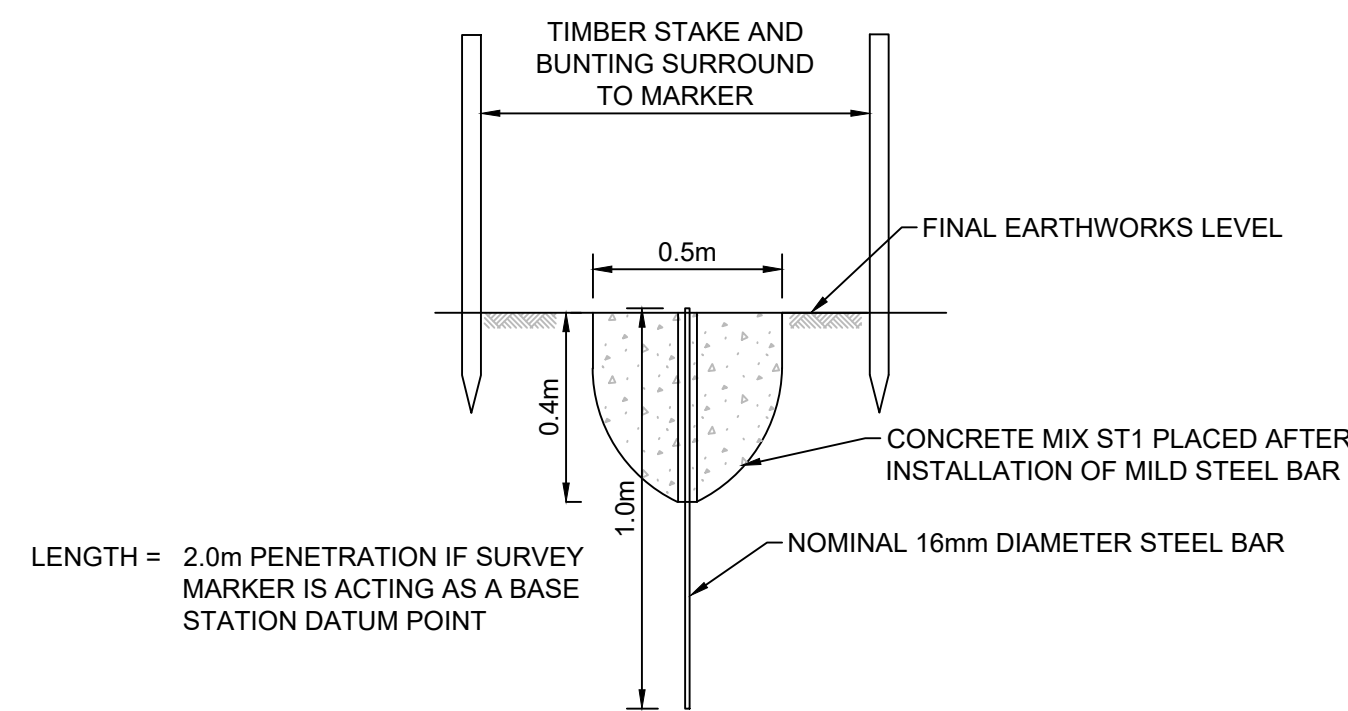
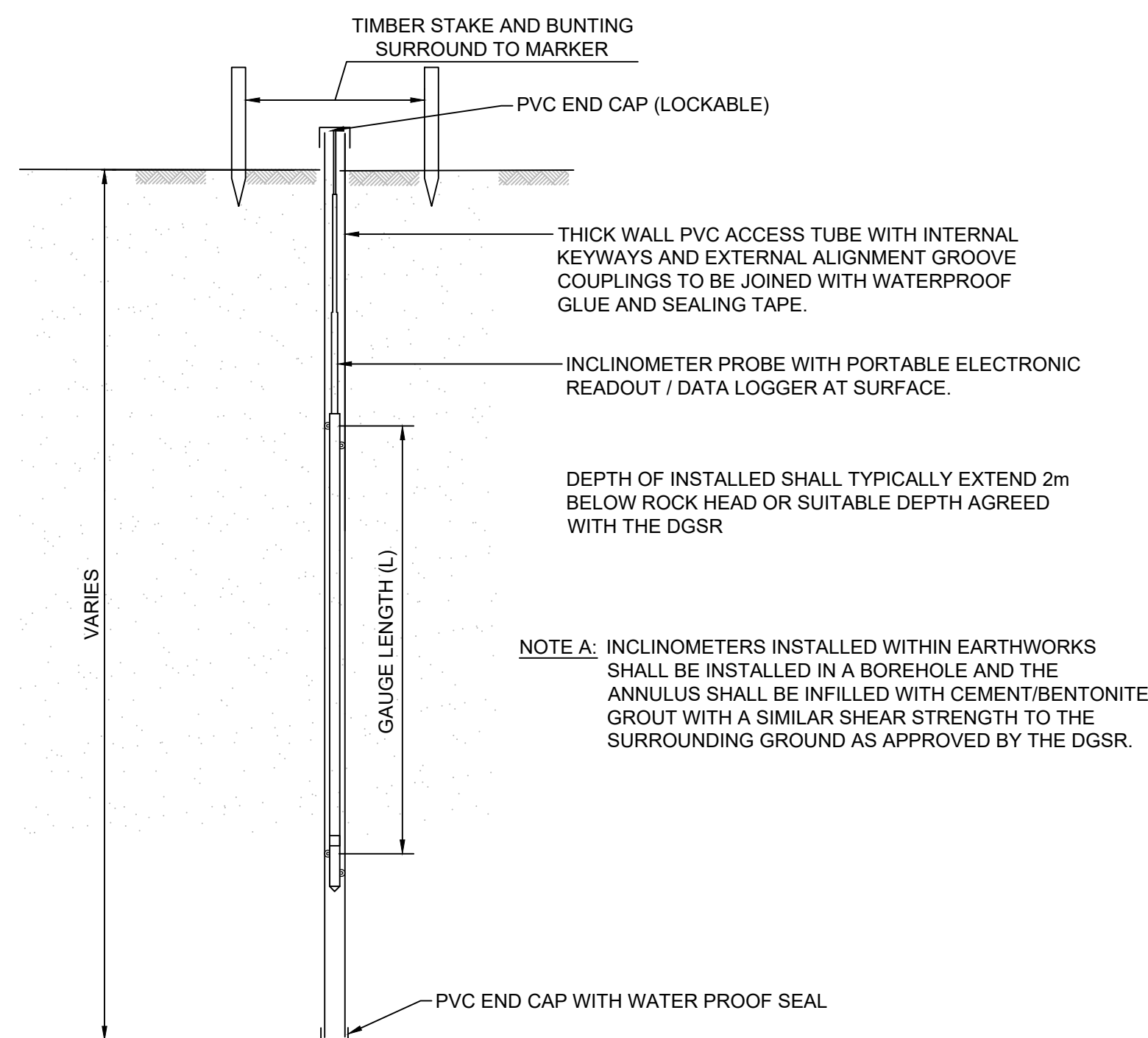


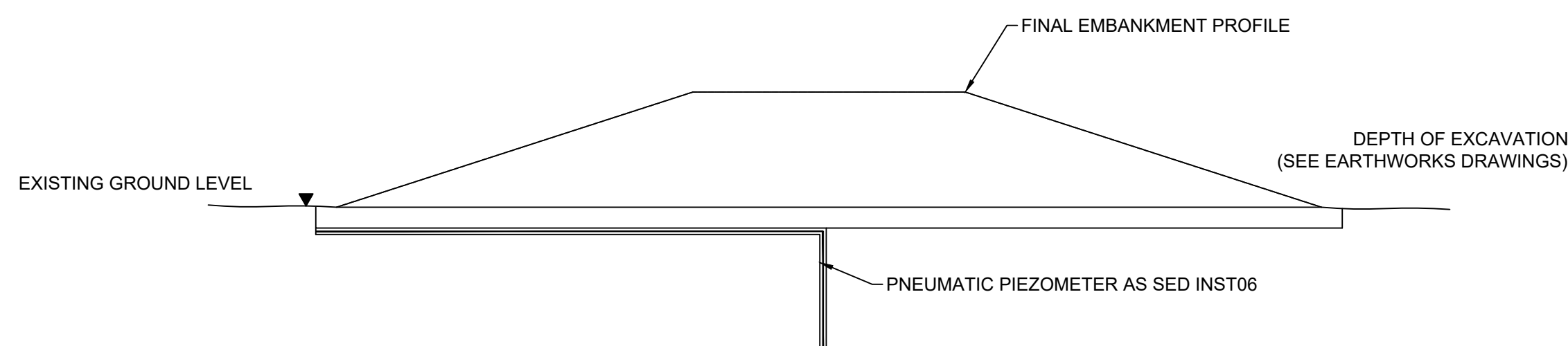


NOTE A: EXCAVATION FOR THE CONCRETE SURROUND IS TO BE CARRIED OUT BY HAND PRIOR TO INSTALLATION OF MILD STEEL BAR

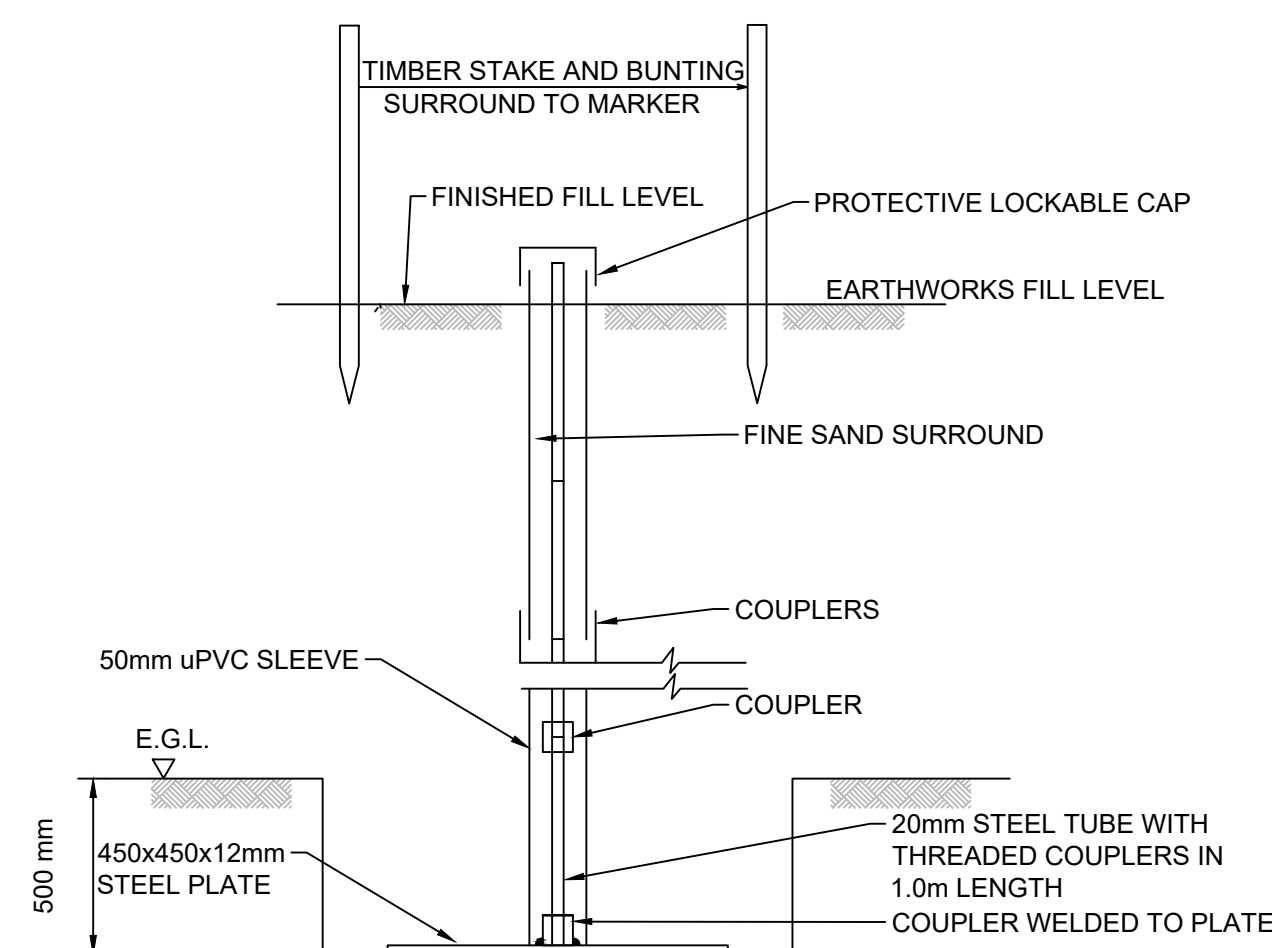
SED INST01: DISPLACEMENT MARKER



SED INST03: INCLINOMETER
N.T.S.



STAGE 1: INSTALL PNEUMATIC PIEZOMETERS



NOTE A: THE ROD AND CASING SHALL BE INCREASED IN 1000mm STAGES. EACH EXTENSION TUBE SHALL BE ADDED ONLY WHEN THE LEVEL OF FILL IS WITHIN 250mm BELOW THE TOP OF THE PREVIOUSLY PLACED SECTION.

NOTE B: STEEL INNER TUBE AND PLASTIC OUTER TUBE TO BE EXTENDED SIMULTANEOUSLY.

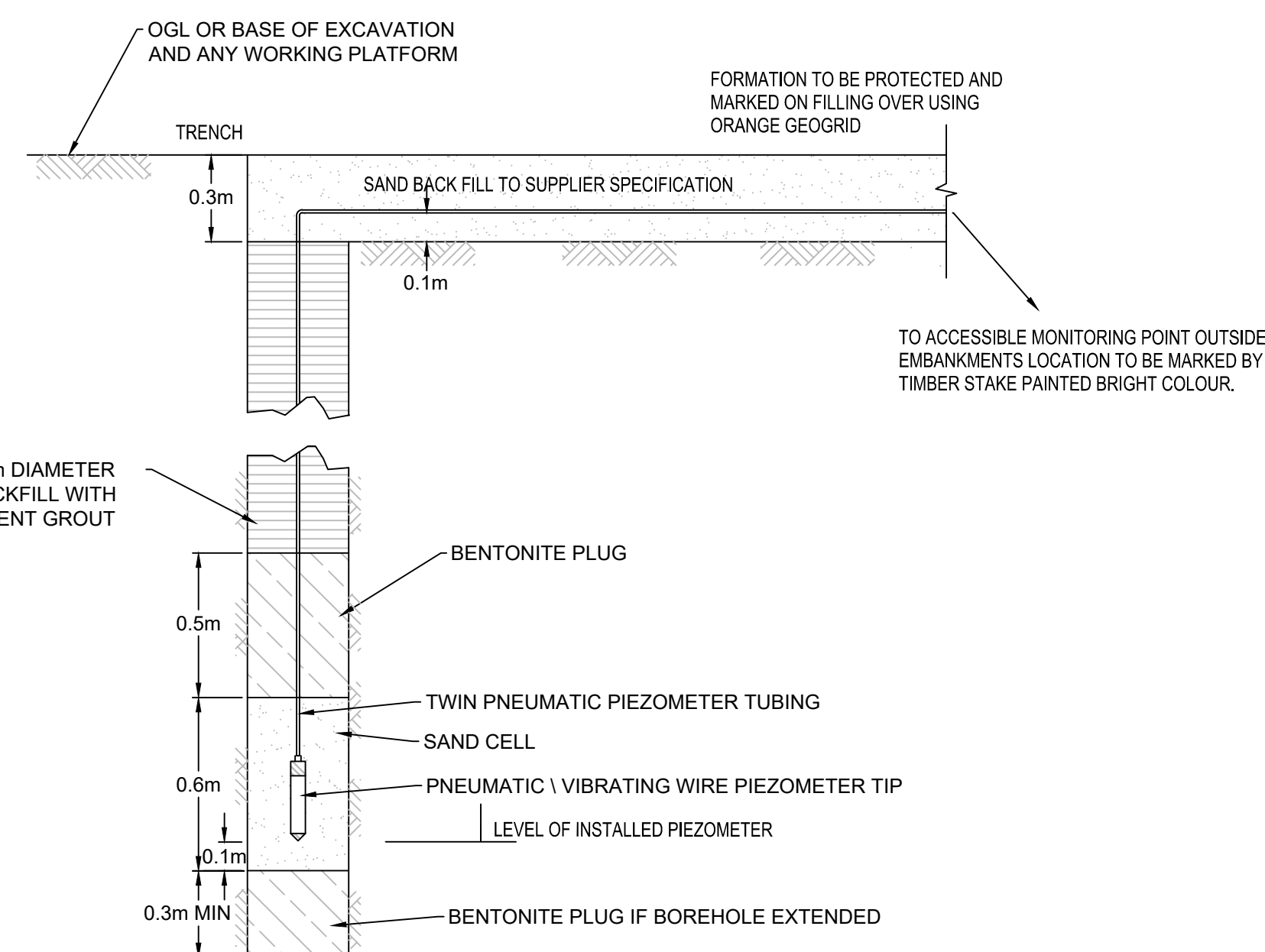
NOTE C: LEVEL TO BE TAKEN ON EACH TUBE IMMEDIATELY BEFORE AND AFTER INSTALLATION.

NOTE D: FINE SAND TO BE PLACED INSIDE CASING AS EACH SECTION IS ADDED.

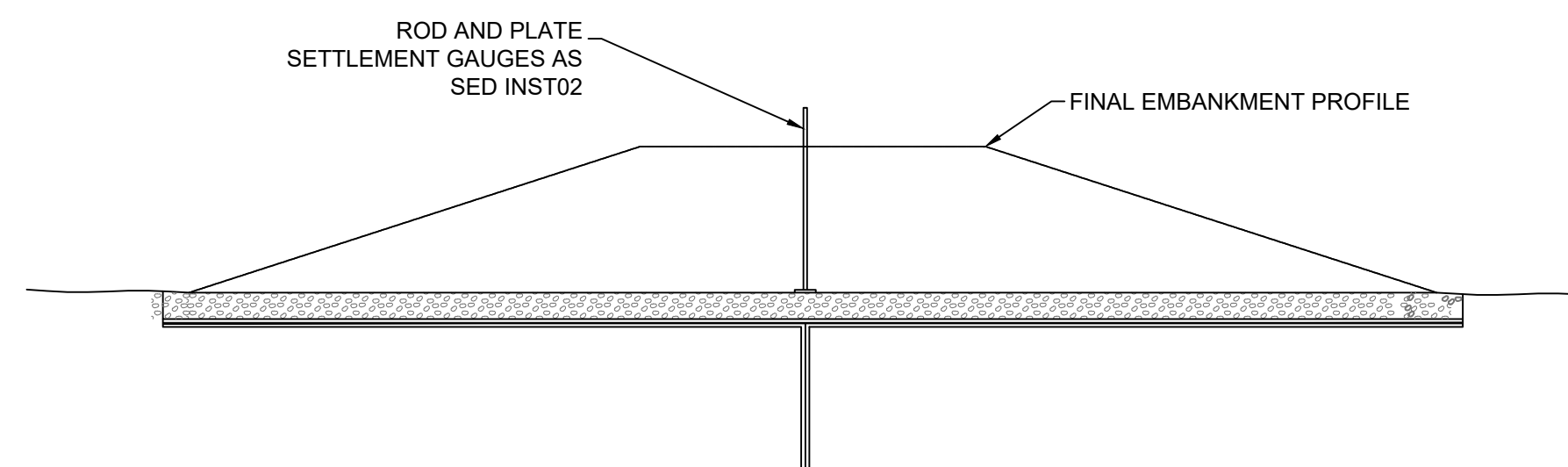
NOTE E: FILL IMMEDIATELY AROUND ROD AND PLATE SHALL BE PLACED AND COMPACTED BY A WACKER PLATE IN ADVANCE OF EACH LAYER OF FILL

NOTE F: EXCAVATION FOR THE INSTALLATION OF STEEL PLATE IS TO BE CARRIED OUT BY HAND

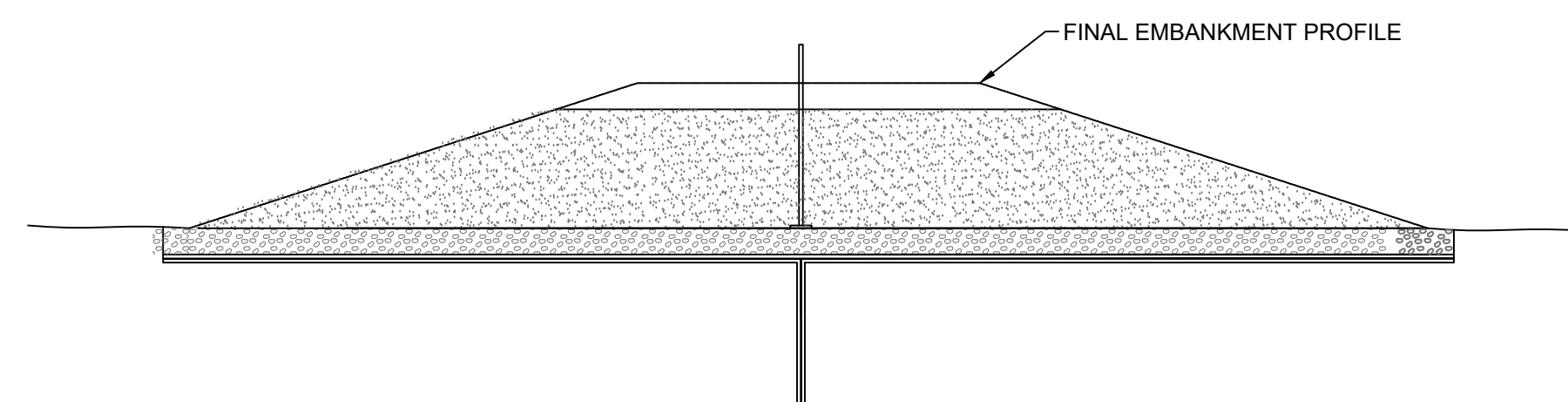
SED INST02: ROD AND PLATE SETTLEMENT GAUGE
N.T.S.



SED INST04: PNEUMATIC / VIBRATING WIRE PIEZOMETER
N.T.S.



STAGE 2: INSTALL PLATE SETTLEMENT GAUGES



STAGE 3: PROGRESS WITH EMBANKMENT CONSTRUCTION

SED INST05 - PIEZOMETER AND PLATE SETTLEMENT GAUGES COUPLING

N.T.S

DO NOT SCALE

NOTES

1. DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT EARTHWORKS AND DRAINAGE SERIES DRAWINGS LISTED ON THE DEPOT PHASE EARTHWORKS GENERAL NOTES REF: GCRE001-AWJV-EW-XX-DR-CE-00001.
2. DRAWING TO BE READ IN CONJUNCTION WITH THE SPECIFICATION FOR INSTRUMENTATION AND MONITORING (REF: GCRE001-AWJV-EW-XX-SP-GE-00005).
3. DO NOT SCALE DRAWING.
4. INSTALLATION OF ALL EQUIPMENT IS TO BE AS PER THE MANUFACTURER'S INSTRUCTIONS.
5. ALL INSTRUMENTATION SHALL BE INSTALLED TO THE SUPPLIERS SPECIFICATIONS.

[illegible]

P03	03/05/24	FOR COMMENT	JH	DC	PN
P02	02/06/23	FOR COMMENT	ST	JT	RH
P01.0	17/02/23	PRELIMINARY	WW	JT	RH
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status	

Suitable for review and comment

S3

WALTERS

Client	
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GCRE

Global Centre of Rail Excellence
Canolfan Fyd-Eang Rhagoriaeth Rheilffyrdd

Project Title	
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GLOBAL CENTRE OF RAIL EXCELLENCE

Drawing Title

DEPOT PHASE EARTHWORKS INSTRUMENTATION AND MONITORING INSTALLATION DETAILS

Scale	Drawn	Checked	Approved	Authorised
NTS	JH	DC	PN	SH
Original Size A1	Date 03/05/2024	Date 03/05/2024	Date 03/05/2024	Date 03/05/2024

Drawing Number

GCRC001-AWJV-EW-XX-DR-CE-05005

Revision

P03