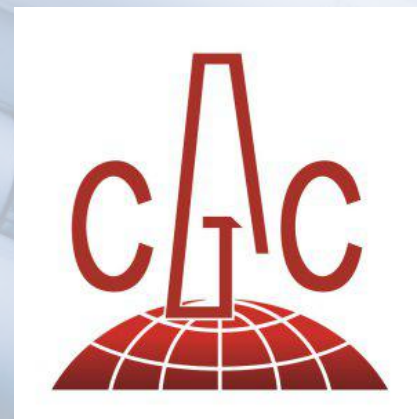


HKIE Geotechnical Division

Technical Site Visit to Contract No. HY/2020/24

Provision of Universal Accessibility Facilities at Footbridges, Elevated Walkways and Subways – Package 5 Contract 1

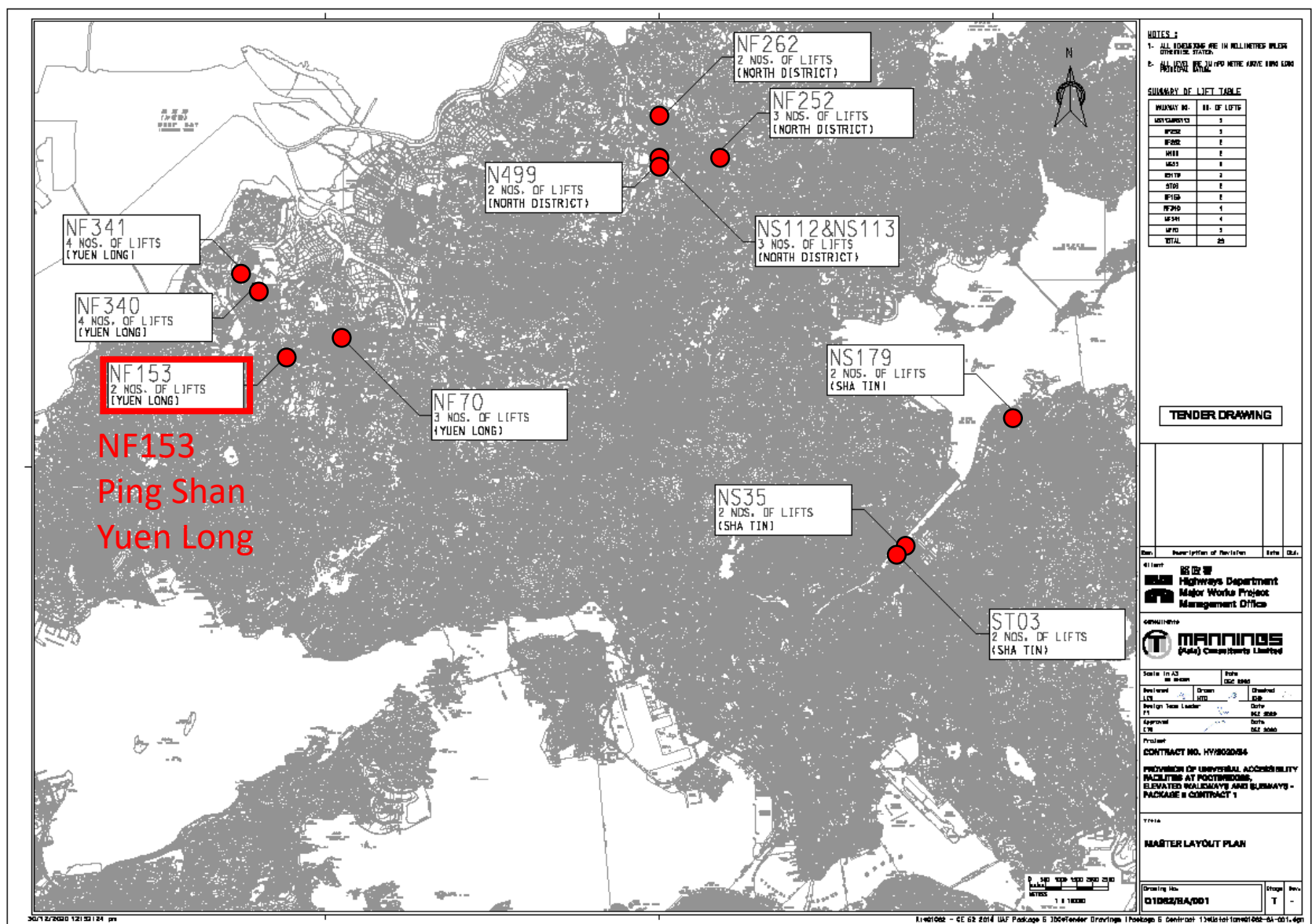


Contract Information

Role	Party
<i>Employer</i>	Highways Department (HyD)
<i>Project Manager (PM)</i>	Principal Project Coordinator/Universal Accessibility, Major Works Project Management Office, Highways Department
<i>Supervisor</i>	Managing Director of the Mannings (Asia) Consultants Limited
<i>Contractor</i>	China Geo-Engineering Corporation
Contract Date	09/04/2021
<i>starting date</i>	10/04/2021
Completion Date	10/04/2025 (1461 days after the starting date)
Contract Sum (HKD)	220,888,888.00
Contract Form	NEC3 ECC Option A

Objective

- Construction of 29 nos. of Lifts for 11 nos. of Walkways



NOTES:
 1- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2- ALL LINES ARE IN PPD METRE ABOVE 1000 LONG HORIZONTAL DATUM.

SUMMARY OF LIFT TABLE

STATION NO.	NO. OF LIFTS
NS112	3
NS113	3
NS179	2
NS35	2
ST03	2
NF153	2
NF252	3
NF262	2
NF340	4
NF341	4
NF70	3
TOTAL	29

TENDER DRAWING

Client: **Highways Department**
 Major Works Project Management Office

Contractor: **MANNINGS**
 (Asia) Company Limited

Scale	Date
As shown	05C 2008
Revised	Drawn
Checked	Drawn
Design Team Leader	Date
Approved	Date
Checked	Date

Project: **CONTRACT NO. HY802084**
 PROVISION OF UNIVERSAL ACCESSIBILITY FACILITIES AT FOOTPATHS, ELEVATED WALKWAYS AND SUBWAYS - PACKAGE B CONTRACT 1

MASTER LAYOUT PLAN

Drawing No: **01082/HA/001** Stage: **T**

Photomontage – Steel Lift Shaft

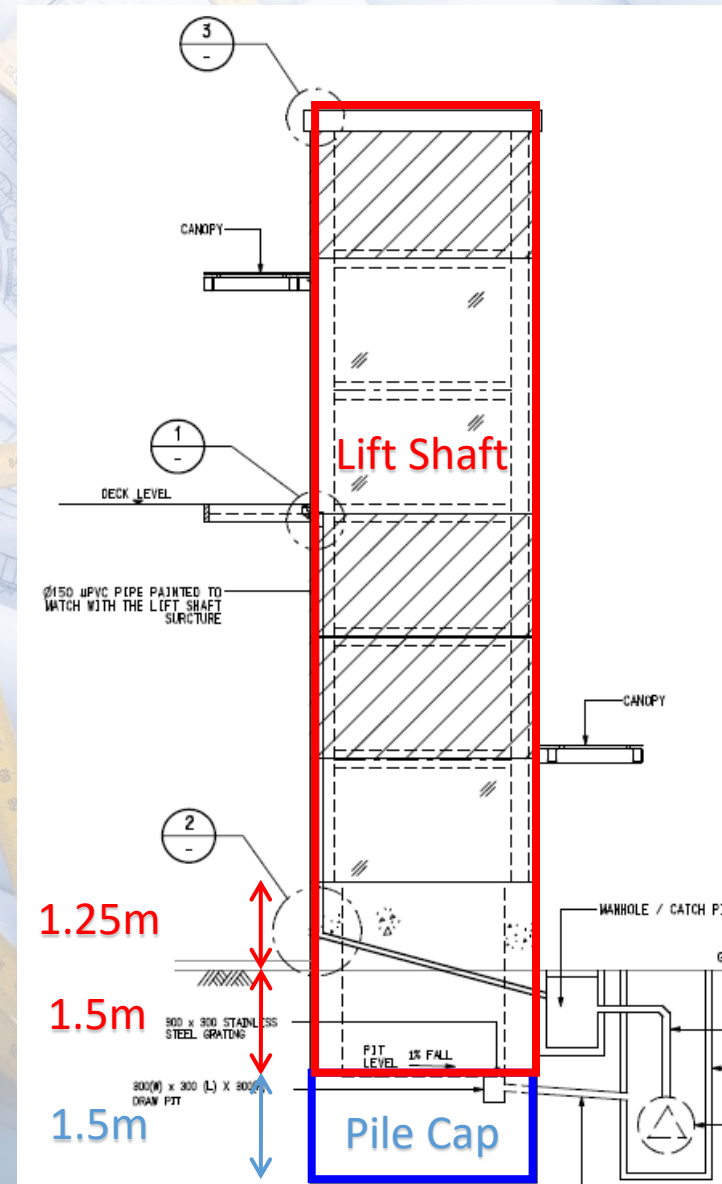


Photomontage – Concrete Lift Shaft



General Construction Sequence

1. XP Application & TTA Implementation
2. Excavation of Inspection Pits
3. Pre-Drilling Works
4. **Piling Works**
5. ELS Works (~3m Deep)
6. Pile Cap Construction
7. R.C. Construction up to 1.25m above Ground
8. Lift Shaft Construction
9. E&M and Lift Installations
10. T&C and Reinstatement



Construction Sequence for Geotechnical Works

UU Detection & Inspection Pits



Pre-drilling Works

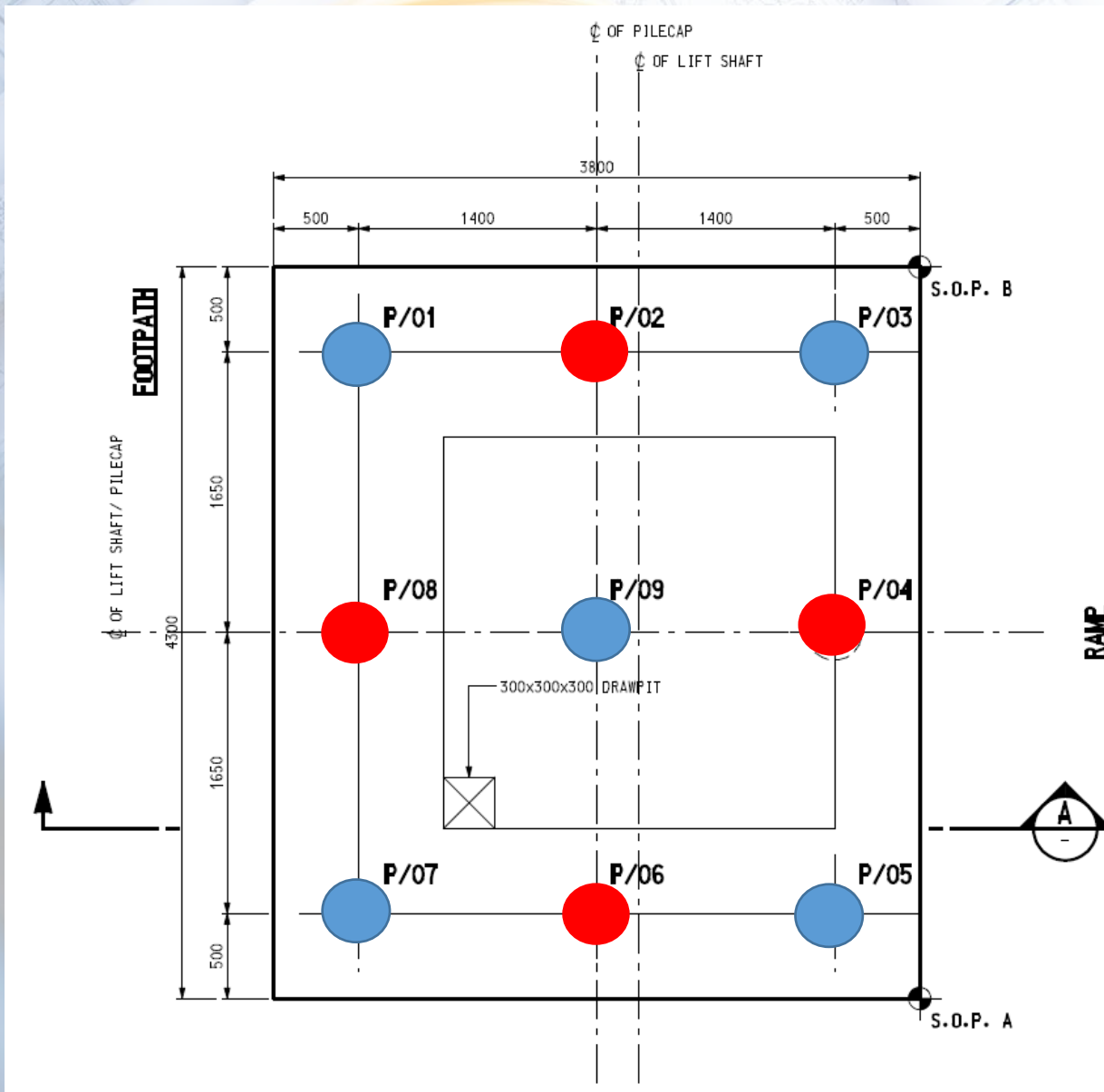


Piling Works



Design Review

Typical Piling Works

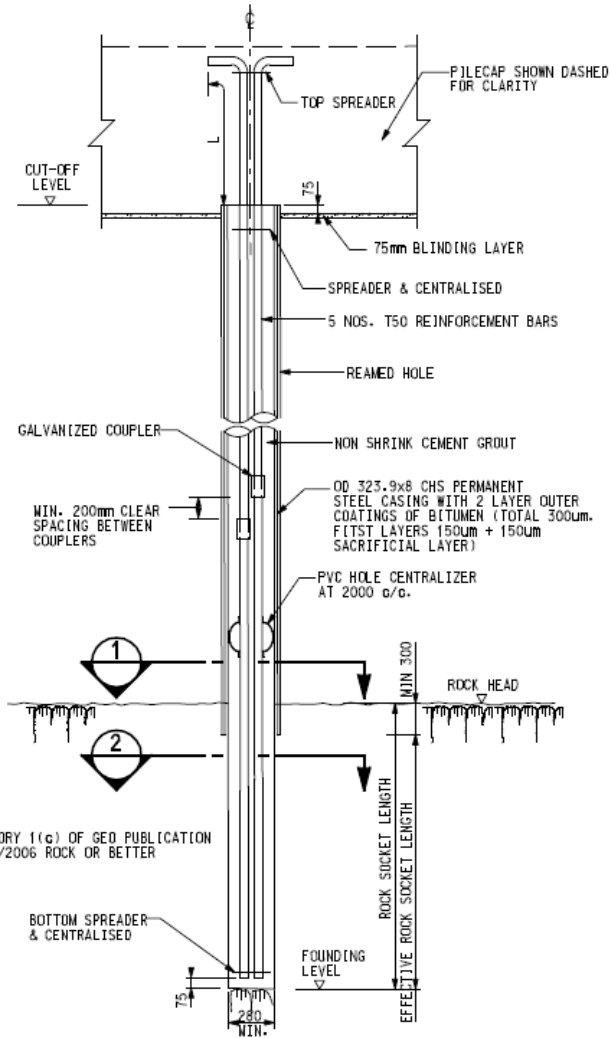


323mm dia. Mini-Piles

Rock-Socketed Piles

Shear Piles

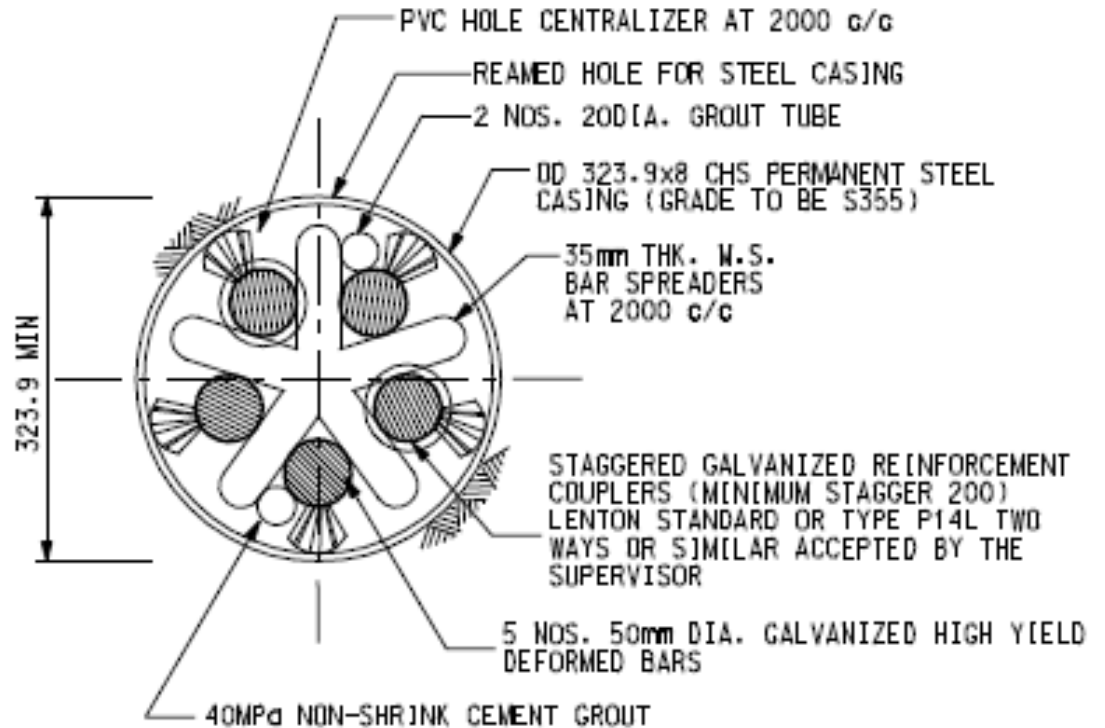
Typical Piling Works (Rock-Socketed)



TYPICAL DETAIL OF VERTICAL 323DIA. MINIPILE

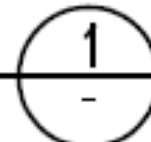
(ROCK SOCKETED)

NOTES : L=32 DIA. OF BAR OR 1600mm WHICH EVER IS GREATER

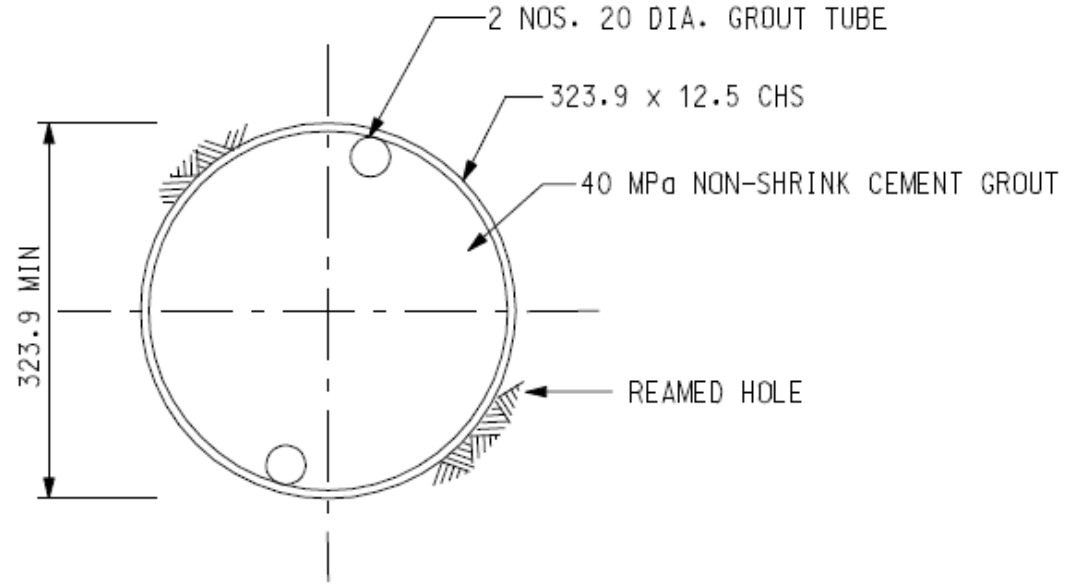
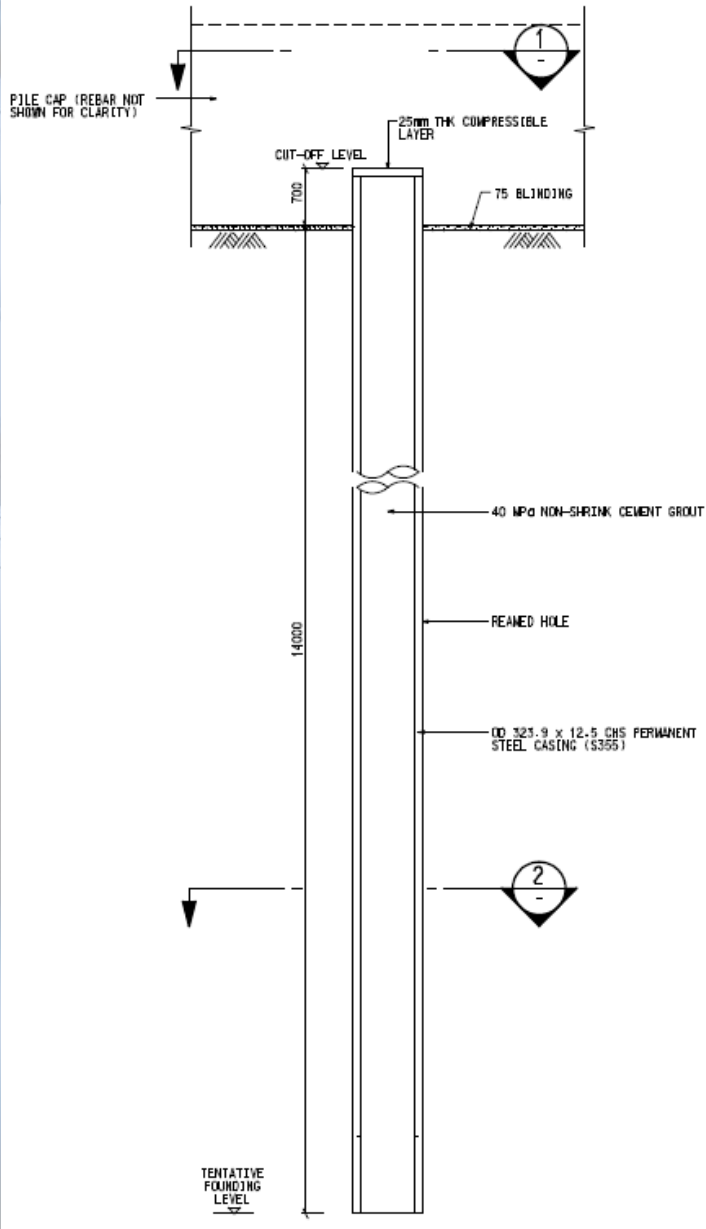


SECTION 1

SCALE N.T.S.



Typical Piling Works (Shear)



Piling Setup



Segments
That guides the drill string, and the segments expand and retract concentrically by rotating the system in clockwise and reverse direction relatively.

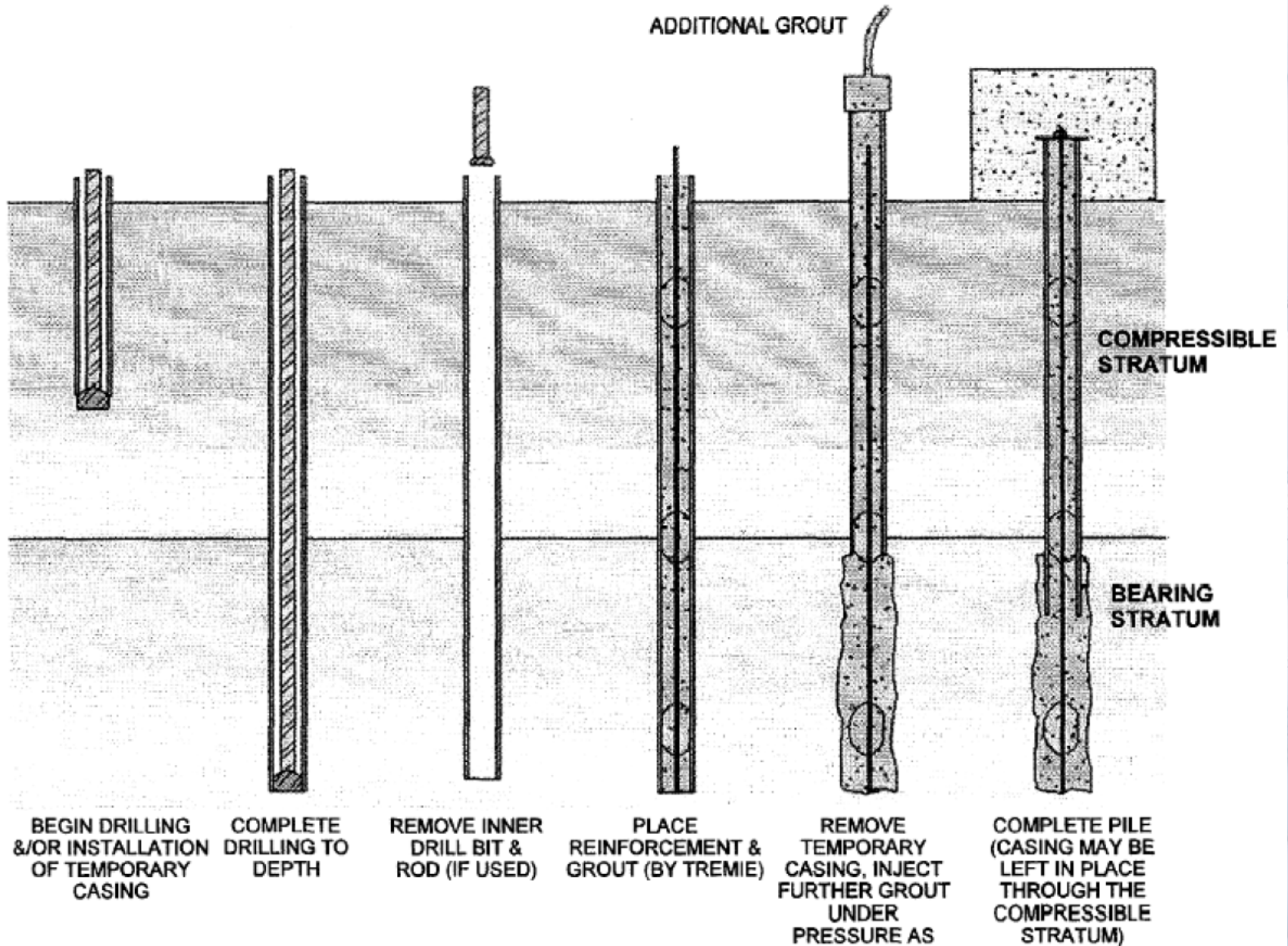
Pilot bit
That drills away the center part of the hole, and the pilot bit is attached to any common dth hammer shank.



Locking system
Lock the segments along with the pilot by simple locking pins.

Shank
Any common dth hammer shank is available from 8" to 24" dth hammer size.

Mini-Pile Construction Typical Sequence



Site Constraints

- TTA Scheme Approval, Restricting the
 - Working Space
 - Loading/Unloading
- Congested Underground Utilities
- Close Proximity to Residents, Schools, etc.



Safety briefing before visit

Key Points for the Technical Site Visit

- Valid Green Card / HKIE Membership Card
- To equip with Safety Shoes, Helmet and Reflective Vest
- To follow the Tour
- Be aware of Hot Weather (Drinking water)
- Be aware of Adverse Weather
- Be aware of traffic when you cross over the road
- To raise out if you are not feeling comfortable
- **DON'T PLAY AROUND WITH YOUR PHONE DURING VISIT!**

A top-down view of a workspace for an architect or engineer. The background is filled with several rolled-up blueprints, some showing detailed technical drawings of buildings and structures. A bright yellow hard hat is positioned in the upper left quadrant. Scattered across the blueprints are several wooden drafting tools, including rulers and compasses, some of which are open. The overall color palette is light and professional, with the yellow of the hard hat providing a strong focal point.

Q & A!