THE HONG KONG INSTITUTION OF ENGINEERS
香港工程師學會

HKIE Geotechnical Division

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

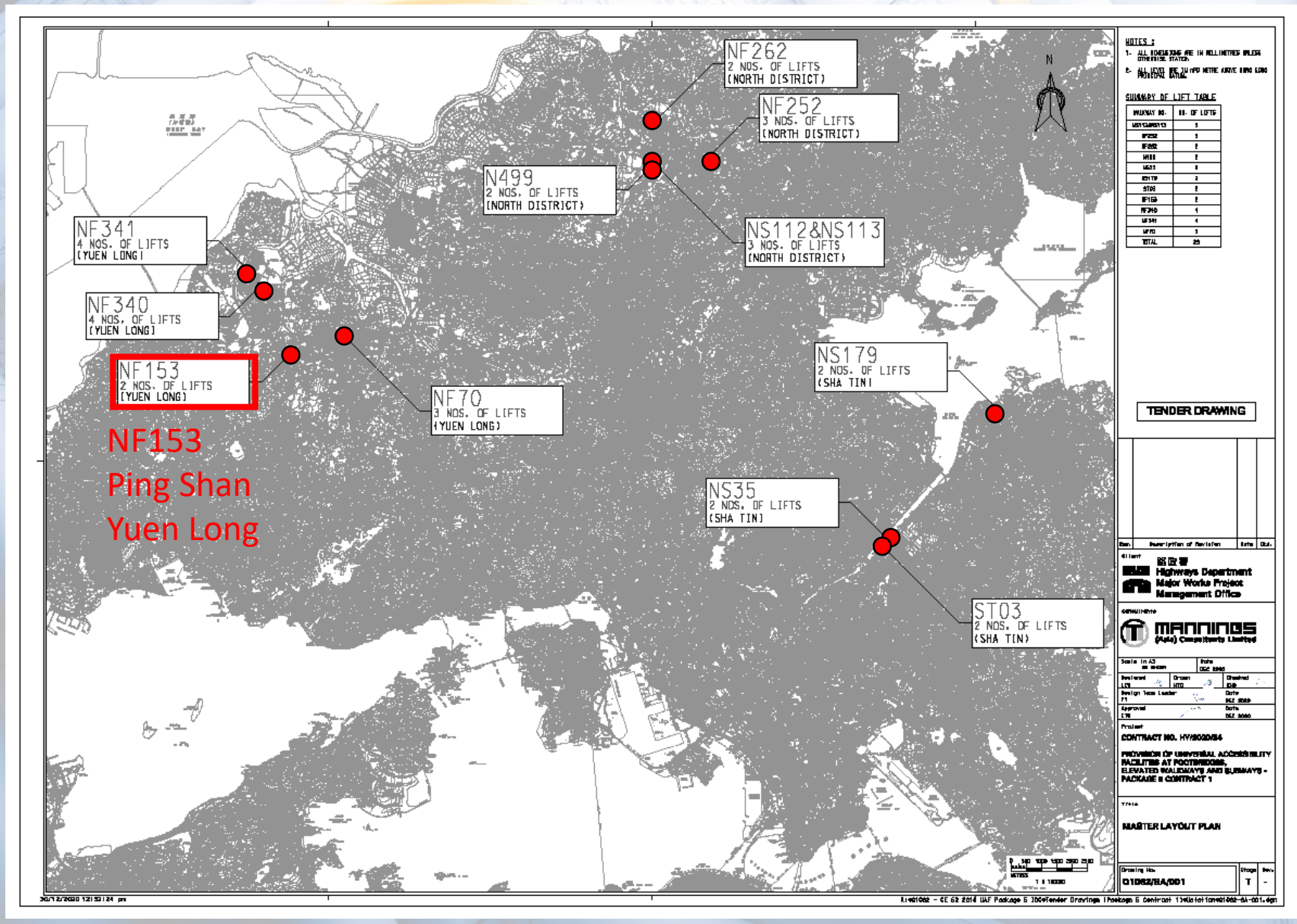
Provision of Universal Accessibility Facilities at Footbridges, Elevated Walkways and Subways – Package 5 Contract 1

Contract Information

Role	Party
Employer	Highways Department (HyD)
Project Manager (PM)	Principal Project Coordinator/Universal Accessibility, Major Works Project Management Office, Highways Department
Supervisor	Managing Director of the Mannings (Asia) Consultants Limited
Contractor	China Geo-Engineering Corporation
Contract Date	09/04/2021
starting date	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**

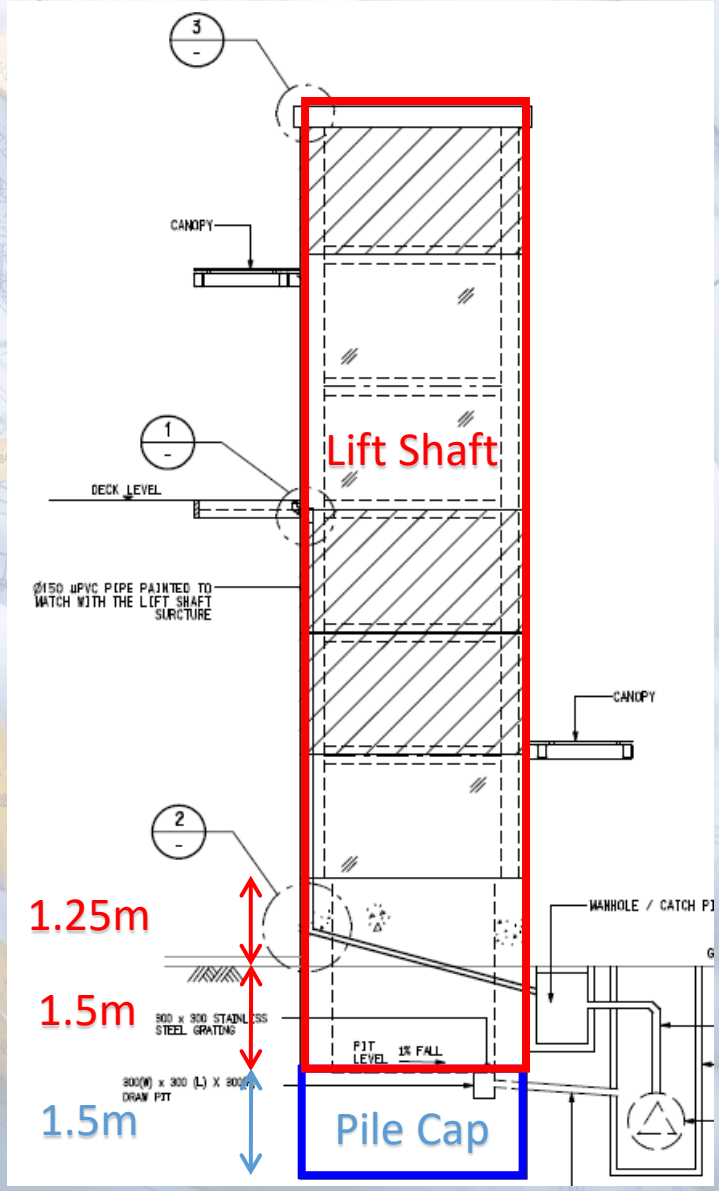


Photomontage – Steel Lift Shaft

Photomontage – Concrete Lift Shaft

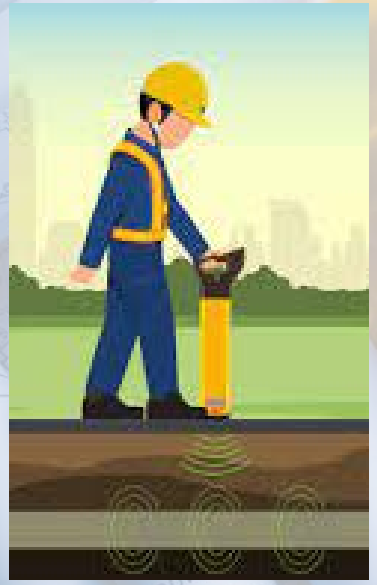
General Construction Sequence

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

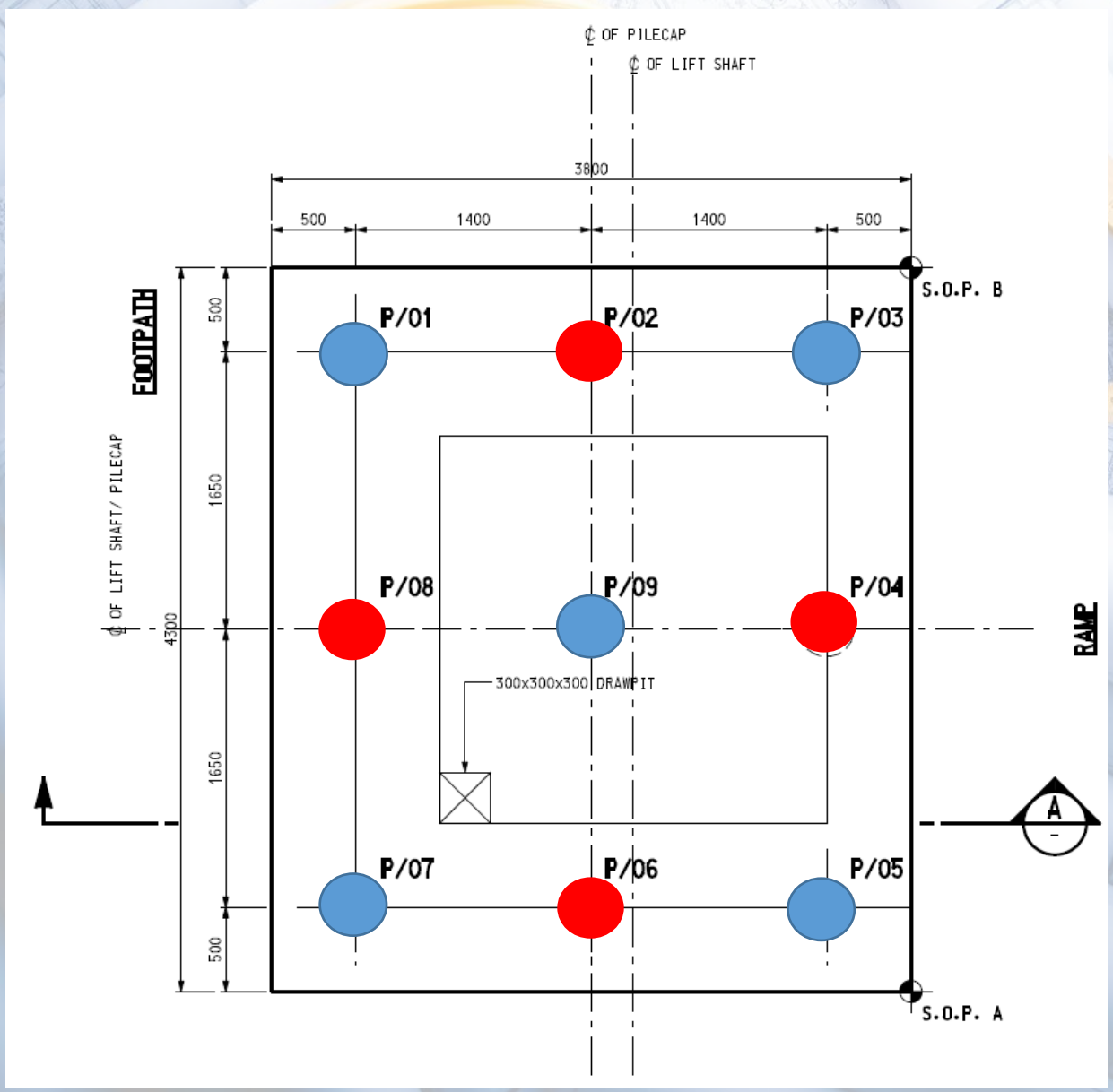


Pre-drilling Works

Design Review

Piling Works

Typical Piling Works

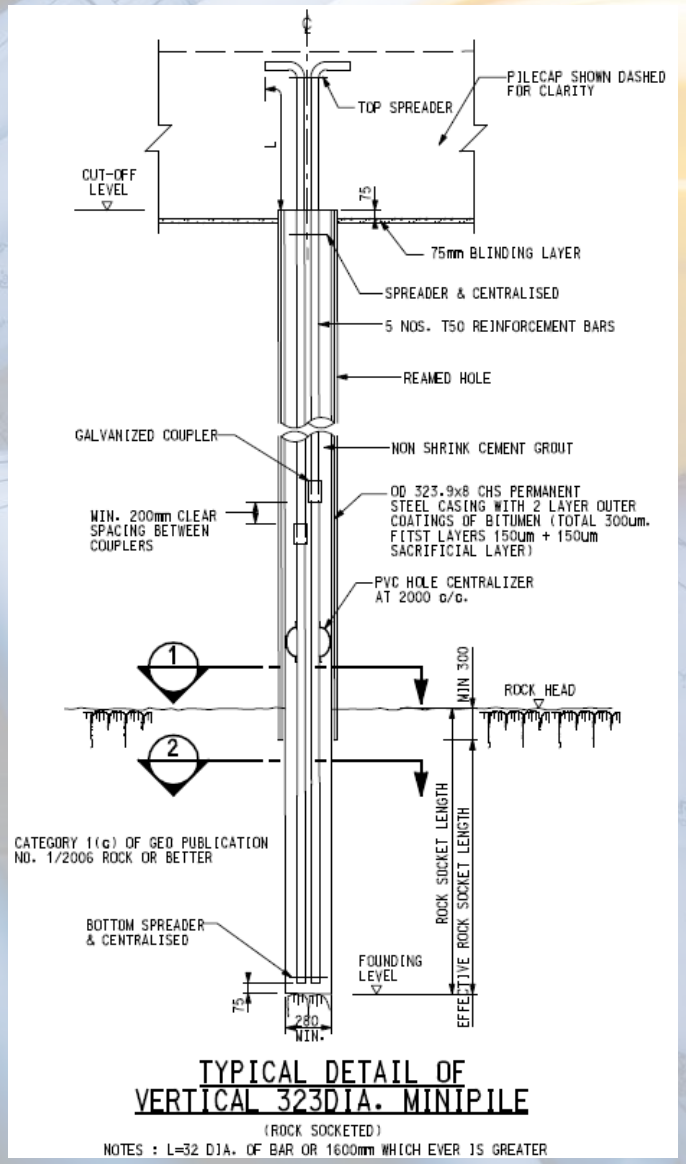


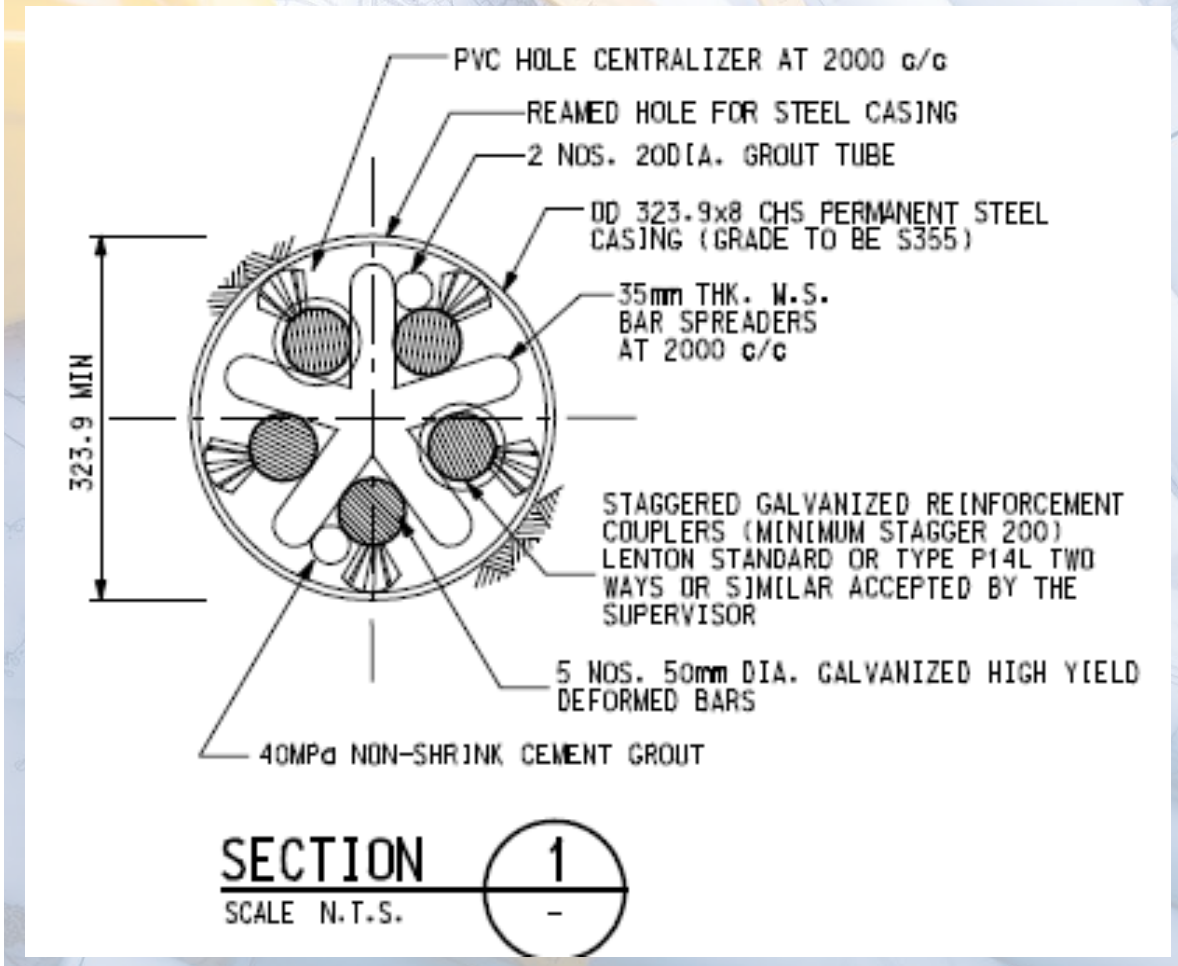
323mm dia. Mini-Piles

Rock-Socketed Piles

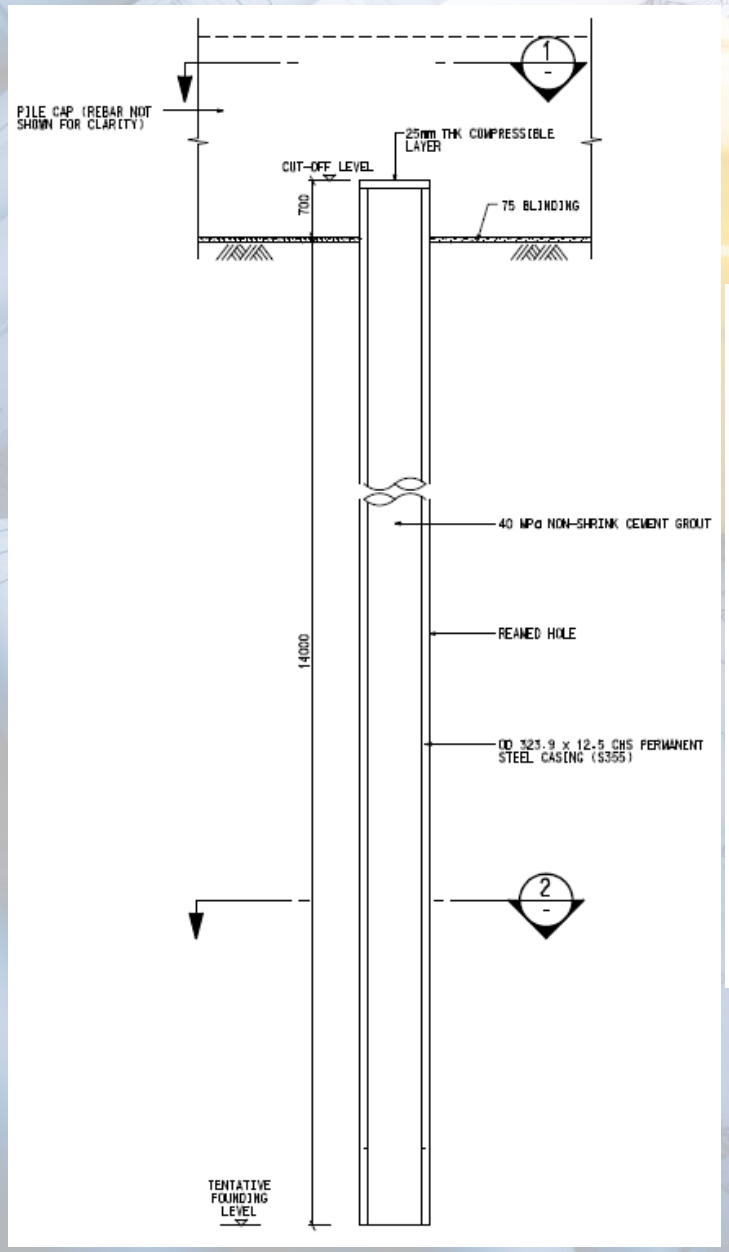
Shear Piles

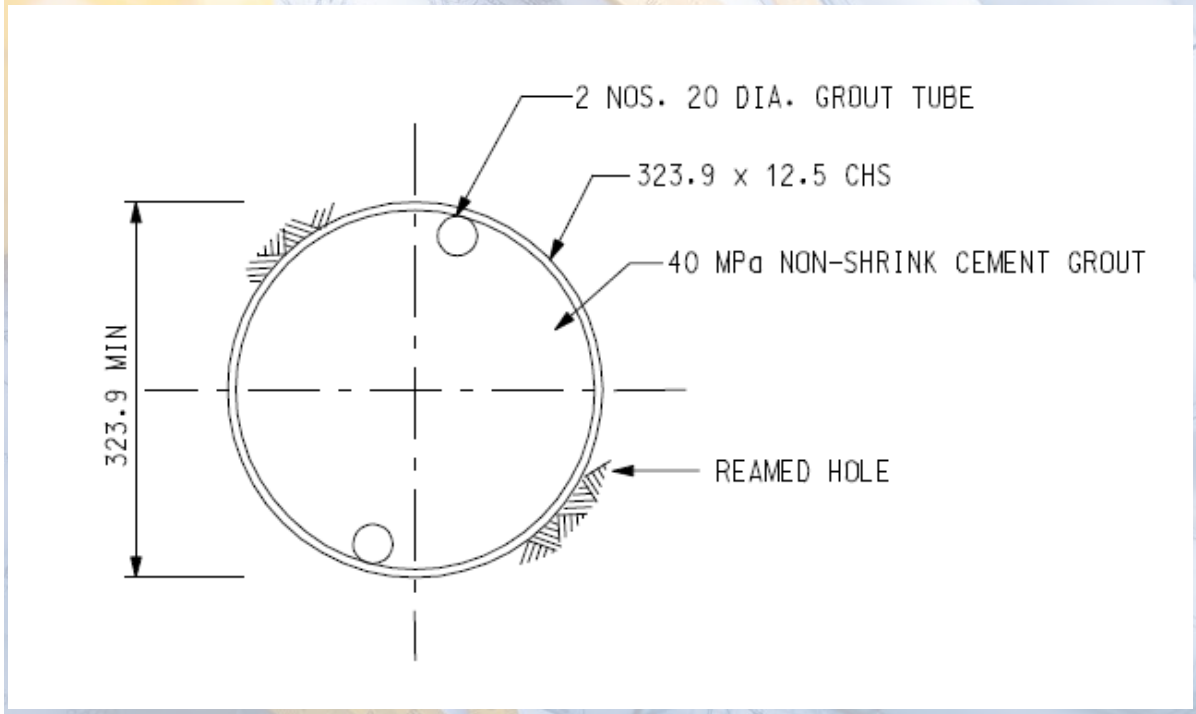
Typical Piling Works (Rock-Socketed)



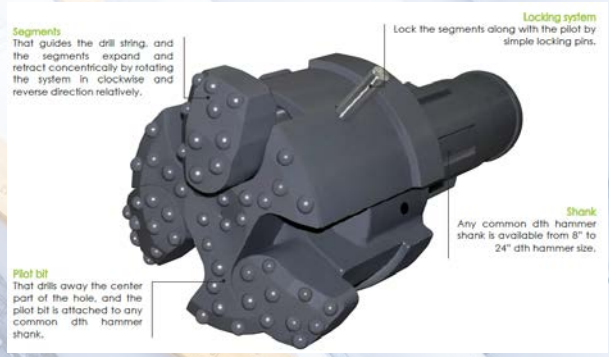


Typical Piling Works (Shear)

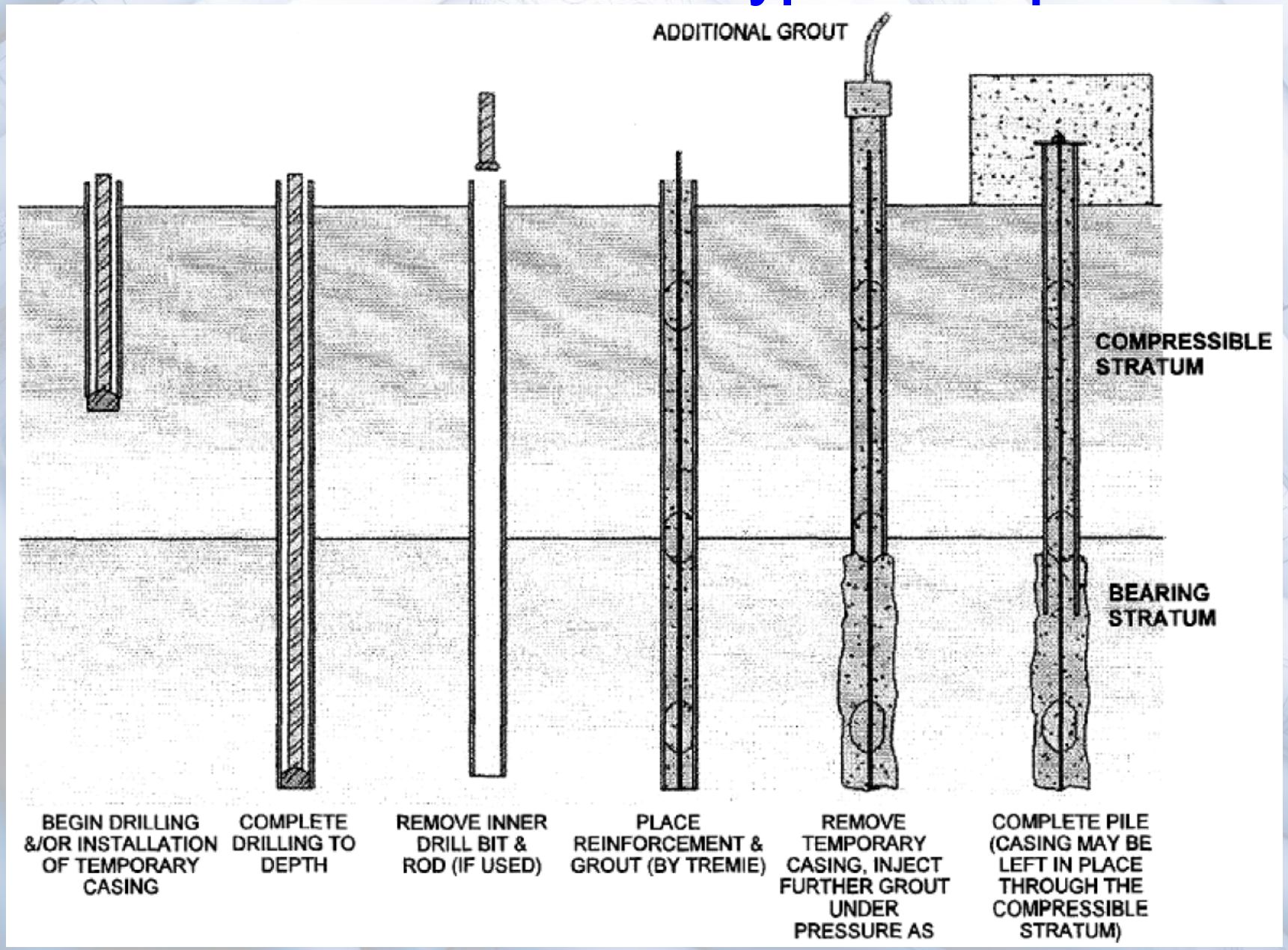




Piling Setup



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!


Q & A!