

PARTICULAR SPECIFICATION

Project

PARTICULAR SPECIFICATION PS.P-01

Project Particulars

SECTION PS.P-01- PARTICULAR SPECIFICATION FOR PROJECT PARTICULARS

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PARTICULAR SPECIFICATION

SECTION PS.P-01- PARTICULAR SPECIFICATION FOR PROJECT PARTICULARS

1.0 DESCRIPTION OF THE WORKS

1.1 Generally

The descriptions of the scope of the Works and description of the Works given hereunder must not be considered as being complete.

The Contractor is deemed to have read other related documents, Specification, Engineering Conditions of the Site etc. and in particular to have studied the contract drawings to be fully aware of the full extent of the Works.

1.2 Scope of the Works

The Works to be carried out under this Contract comprise the provision of all materials, labour, plant, tools, temporary works, qualified site supervision, site safety supervision and other items required for the carrying out of, timely and satisfactory completion of the entire Works which include but are not limited to the following:

- (i) Erection, alteration, addition, relocation, re-alignment as necessary or as required by the Government Departments and Public Utility Companies, and maintenance of the hoardings, covered walkways, chain link fences, road work fences, gates, fences, gantry, provision and maintenance of construction accesses within and outside the site including the necessary temporary traffic arrangement and management to the satisfaction of the concerned authorities and parties and etc. as shown on Drawings for the whole contract period including all painting, re-painting, surfacing and re-surfacing. Provision and maintenance of adequate lighting as directed by the Architect. Provision of name boards, graphics and signages as directed by the Architect;
- (ii) Taking over, maintaining and protecting all the site boundary pegs; verification of the correctness of the site boundary pegs and reinstatement of the damaged / missing site boundary pegs for the proper execution of the Works;
- (iii) Surveying to establish levels, setting out all the footings, soil nails, retaining walls and existing soil nails, and the building corners / outlines of the proposed buildings, and the hard landscaping works. Provision of the setting out records in electronic format and hard copied to the Architect prior to commencement of works on Site and upon completion of the Contract Works;
- (iv) Site clearance and site formation works as required for carrying out and completion of the entire Works including but not limited to those explicitly stated on Drawing;
- (v) Full acquaintance with the site conditions including traffic flow and pattern and works by other parties (particularly MTRC); carrying out condition survey of adjacent slopes, existing soil nail heads, and features, pavements, roads, street furniture, planting, buildings, structures, access, fences / fence walls, completed erections by MTRC, and etc. and submission of the condition survey report with levels, dimensions and photographs to the Architect prior to commencement of works on Site;
- (vi) Provision and maintenance of all necessary precautionary measures, safety measures, shoring, strutting, etc. to ensure security, public convenience and safety and stability of adjoining lands, roads and pavements, slopes and features, buildings, structures, access, fences / fence walls and etc.;

- (vii) Carrying out condition survey of all erections, slopes and features, soil nails, planting, drainage provisions, access staircase, etc. that are within site, submission of the condition survey report with levels, dimensions and photographs to the Architect prior to commencement of works on site, and maintenance of the retained erections, slopes and features, planting, drainage provisions, access staircase, etc. throughout the construction period;
- (viii) Construction of substructural works including removal from Site and proper disposal of all underground obstructions and surplus excavated soil;
- (ix) Strengthening and treatment of slopes and features including soil nailing, new slope profile formation, concrete retaining wall construction, backfilling, surface drainage system installation, hydroseeding, erosion control mat / raking drain / wire mesh installation, rock trimming and scaling, and shotcreting;
- (x) Design, submission, obtaining approvals, consents and permits from the Architect and the relevant Government Departments and construction of all temporary works and / or builder's works required for the construction of built structures, site formation works, street furniture, railing, and alike structures including elderly fitness equipment within the site and for the execution of water supply, power supply, telephone services and drainage connection works and other works within and outside the lot boundaries;
- (xi) Construction of built structures including plant rooms, service block, lift tower, link bridge, pavilions, arbours, trellis, etc. within site as shown on Drawings;
- (xii) Construction of the landscape areas comprising walkways, viewing decks, sitting areas, foot massage paths, elderly fitness equipment station, grass moulds, bermed lawns, tree rings, planter walls / kerbs, feature walls, boundary fence walls and gates, etc., and all associated works and all soft landscape works as shown on Drawings and Specifications;
- (xiii) Existing tree felling and transplanting and new planting as shown on Contract Drawings and Specifications.
- (xiv) Submission of shop drawings in accordance with Architect's design intent for proprietary benches, proprietary litter bins, proprietary recycled bins, signages and their associated works, and provision and installation of those elements;
- (xv) Provision of park furniture like irrigation points, pillar boxes, etc. as shown on Drawings;
- (xvi) Construction of external works including irrigation system, plumbing and drainage installations, and the builder's works in connection with the Contract Works;
- (xvii) Engagement of nominated sub-contractor and carrying out of associated builder's work for the completion of electrical installation, mechanical ventilation and air-conditioning installation, fire services installation and lift installation;
- (xviii) Submission of shop drawings, supply and installation of the proprietary elderly fitness equipment and safety mat tiles system;
- (xix) Liaison with relevant parties, construction and completion of the foul water drainage connection works for various sections of the site including piping and trenching and construction of last manholes etc. within and outside the Site to the existing public drainage systems at Chung Yee Street for the technical audits by and to the satisfaction of the Drainage Services Department;

- (xx) Liaison with relevant parties, construction and completion of the stormwater drainage connection works for various sections including channels, catchpits, piping and trenching and maintenance / upgrading / repair of the existing connecting catchpits etc. within the Site, and also maintenance / reinstatement of the discharge drains outside the Site at adjoining School to the existing public drainage systems at Chung Hau Street;
- (xxi) Liaison with relevant parties, construction and completion of the potable and flushing water connection works for the Site including piping, trenching and valve pits, etc. on lands outside the site boundaries for the technical audits by and to the satisfaction of the Water Supplies Department;
- (xxii) Liaison, co-ordination with the provision of attendance to the public utility companies for the supply and / or connection works regarding the electricity supply and telephone services for the development;
- (xxiii) Liaison and co-ordination with Government Authorities and all public utility services companies for establishment of agreed sequences / programmes, the installation, diversion, relaying, removal etc. of the utility services such as existing light poles, underground drains, gas mains, telephone cables, water mains, electrical cables trenching works and other underground works, disconnection and diversion of existing services, reinstatement of damaged carriageways and pavements, etc. that are required for the execution of the Works within the Site or that are authorized by the Employer for works not forming parts of the Contract Works including provision of attendance and carrying out all necessary setting out;
- (xxiv) Supply of all necessary information including but not limited to work programmes, drawings, traffic diversion proposals, etc. and also procurement of all necessary approvals from Government departments or authorities including but not limited to Transport Department, Hong Kong Police, public utility services companies, etc. for the application for Excavation Permit; and carrying out excavation and reinstatement works in full compliance with the conditions of the Excavation Permit.
- (xxv) Liaison and coordination with Government Departments, including making any necessary submissions, for the procurement of construction access and material transportation area at Chung Yee Street and adjoining WSD reservoir playground.
- (xxvi) Liaison and co-ordination with MTRC for interfacing works of subject Local Open Space (LOS) and MTRC's elevated walkway at Chung Yee Street, and allowance of MTRC for maintenance of soil nails and other slope stabilization constructions at northern slope adjoining Chung Yee Street.
- (xxvii) Liaison and co-ordination with separate contractors, if any, authorized by the Employer for carrying out works within the Site during the contract period for establishment of agreed sequences / programmes etc. and provision of accesses and attendance for execution of the works not forming parts of the Contract Works;
- (xxviii) Carrying out of all tests and installation of all monitoring check points and instrumentation to meet the contract and statutory requirements; preparation and submission of certificates, test reports, assessment reports, guarantees etc. to the satisfaction of the Architect, Architectural Services Department, Fire Services Department and other Government Departments;

- (xxix) Preparation and submission of all necessary and adequate copies of the drawings, test reports, record plans, monitoring records, maintenance manuals, assessment reports, and endorsed statutory Forms for submission to the Government Departments during the contract period and upon Completion of the Contract Works;
- (xxx) Removal of all hoardings, covered walkways, chain link fences, gantries, protective screens and the associated concrete footings, etc. from the common lot boundary within various sections of the site and from the public footpaths / roads, reinstatement of all disturbed ground / paving / footpaths / roads, planters, soil, slopes, soil nails, drains, plant species and trees, railings, etc. and transplanting of trees all to the satisfaction of the Architect, Highways Department, Transport Department, Leisure and Cultural Services Department, District Lands Office and other relevant Government Departments;
- (xxxii) All other requirements as shown on Drawings.

The structural design and calculations for the specialist works as described in the relevant Sections of the Particular Specification are to be prepared and signed by Registered Structural Engineer(s), and geotechnical design by Registered Geotechnical Engineers(s), employed by the Main Contractor or the specialist sub-contractors for the purposes of obtaining the approvals from the Architect and Structural Engineer.

1.3 Sectional Completion and Handover

The works, on completion, shall be handed over by the Contractor to the Employer in sections in accordance with the following arrangement:

Modification of existing staircase leading from Chung Yee Street to the - Section A
Local Open Space

New lift tower and link bridge leading from Chung Yee Street to the - Section A
Local Open Space

Other parts of the Local Open Space not included on Section A - Section B

The construction periods for different sections are shown in the Conditions of Contract.

The extent of Section A works are illustrated on Phasing Plan.

For the existing staircase modification in Section A completion, handover of the completed works should include the entrance portion of the staircase, the meter rooms underneath the staircase, the utility services running alongside the staircase, and the connection of utility services to public mains at Chung Yee Street.

For the lift tower and link bridge in Section A completion, handover of the completed works should include the completion of associated services and the procurement of necessary permits and form for operation of the lift.

On completion of Section A works, the Contractor has to continue security measures for those works until completion and handover of Section B works to Employer.

**2.0 WORKS TO BE CARRIED OUT UNDER SEPARATE CONTRACTS
CONCURRENTLY WITH THE MAIN CONTRACT**

- 2.1** There may be works carried out by Government Departments and /or public utility services companies for satisfactory completion of the Contract Works including but not limited to water supply / connections, drainage connections, power supply / connections, telephone installation / connections, disconnection, removal, diversion / relocation of existing utility services, light poles and etc. and new installation of building services and utility services.
- 2.2** The Contractor is required to co-operate fully with the Specialist Contractors and shall allow these Specialist Contractors accesses to their working areas including allowing and facilitating these Specialist Contractors to pass through to and work on the Contractor's own working areas as and when necessary for the purpose of carrying out their works not forming parts of the Contract Works.

The Contractor shall closely liaise and co-ordinate with the Specialist Contractors in respect of the working areas, construction access outside the Site, access within the Site, sequence of works, etc. and afford all reasonable opportunities to these Specialist Contractors for the carrying out of their works as directed by the Architect. The onus is on the Contractor to ascertain the time required and the order of sequence for each section of the Contract Works.

The Contractor shall make cost and time allowances in his tender regarding the works to be carried out by the Specialist Contractors. No claim whatsoever will be entertained for any additional cost incurred nor time allowed in respect of the works of these Specialist Contractors.

- 2.3** The Contractor shall allow in his programme of work to make available to the Specialist Contractors all the required builder's works, facilities etc. in such manners / sequences / time frame mutually accepted by all the concerned parties including the Architect.

3.0 WORKS TO BE CARRIED OUT UNDER NOMINATED SUB-CONTRACT

3.1 The following works are to be executed by Nominated Sub-Contractors, and the Contractor has to engage them and fully cooperate with them for completion of works :

- (i) Building services installation (including electrical installation, mechanical ventilation and air conditioning installation and fire services installation)
- (ii) Lift installation

3.2 The Contractor is to allow for attending upon and for co-operation with all Nominated Sub-Contractors, and afford them every facility to move about the job in the legitimate pursuit of their respective and particular works and is to allow for free use of such plant, scaffolding, ladders, staging, hoisting facilities provided and installed on Site by him from time to time, as they may require; to make good after them in all trades (including grouting and making good around holes, chases, recesses, etc. after completion of the installation works by the Nominated Sub-Contractors); to assist in unloading their plant and materials; to provide them with normal temporary lighting and power, water and for all watching, lighting, for all refuse disposal etc.; for the use of mess rooms and latrines and the usual conveniences of the Site. In the event of a disagreement between the Contractor and Nominated Sub-Contractors upon the interpretation of this clause, the Architect's decision will be deemed to be final and binding on both parties.

The Contractor is also to make his own arrangements with the Nominated Sub-Contractors as to the time and manner of executing their work and is to obtain full particulars as to their requirements with regard to holes, chases, recesses, etc. in all concrete work and form the same including setting in sleeves, anchor bolts, fixing brackets, etc. where such sleeves, anchor bolts, fixing brackets, etc. are supplied by the Nominated Sub-Contractors. He should provide the Nominated Sub-Contractors with all necessary dimensions and other information so that their work may be correctly executed and subsequent alterations obviated.

4.0 INTERFACING WITH WORKS BY MTRC

4.1 The Contractor's attention is drawn to the fact that the following works have been or will be constructed by MTRC when this Contract is in progress :

- (i) Soil nailing works inside boundary and next to lift tower
- (ii) Elevated covered pedestrian walkway outside boundary and at Chung Yee Street
- (iii) Soil nailing works outside boundary and next to existing access staircase

MTRC has an endorsed temporary traffic management (TTM) plan for using Chung Yee Street for construction access and material transportation. The Contractor should make reference to this in devising his construction arrangement and his TTM plan.

Extent of MTRC's works and TTM can be referred to Drawings in separate sections of contract document and also Appendix A to this specification for information.

- 4.2** For any works done by MTRC inside boundary, the Contractor should protect and not disturb the works, and should allow access by MTRC for maintenance of the works. For any works done by MTRC outside but adjoining boundary, the Contractor should coordinate with MTRC for carrying out of any interfacing works and arrangement for construction access and material delivery.
- 4.3** MTRC will vacate approximately by 47m long (from Grid CW3-1 to CW3-6 as per drawing reference no. 1001/NCC/SK/507 in Appendix A, hereafter known as "Site Portion A") of the permitted occupation of existing Chung Yee Street footway and carriageway tentatively for a period of 13 months as from 1 August 2012 to 31 August 2013 inclusive for the Contractor to carry out the LOS works.
- 4.4** The overlapped area within 1001.W15 (sketch no. 1001/NCC/SK/0486 in Appendix A, hereafter known as "Site Portion B") is MTRC's slope improvement works under Kwun Tong Line Extension (KTE) and is expected to be completed tentatively by 31 July 2012.
- 4.5** The Contractor shall bear responsibility for any damage to the completed slope works under KTE.
- 4.6** The portion of land near the existing staircase and future driving Test Centre of Transport Department (sketch no. 1001/NCC/SK/0486 in Appendix A hereafter, known as "Site Portion C") is MTRC's temporary work site and will be handed over to the Contractor as by 30 November 2012 tentatively for possession.
- 4.7** The Contractor shall vacate from Site Portion A by 31 August 2013 and hand over the land to MTRC for construction works of KTE. The Contractor shall reinstate the land to the same condition paved and cleared as it was taken over from MTRC before.
- 4.8** MTRC will allow the Contractor to access the land of approximately 22 m long (between Grid CW3-4 and CW3-6 as per drawing reference no. 1001/NCC/SK/0486 in Appendix A, hereafter known as "Site Portion D") for loading/unloading on Mondays, Wednesday and Fridays (not being a public holiday) from tentatively 1 September 2013 to 30 November 2013 inclusive. No access will be permitted from 1 December 2013 onwards.
- 4.9** Workers and plants of the Contractor have to meet MTRC and his contractor's in-house safety requirements as well as the compliance of the conditions of Excavation Permit when entering MTRC's works area.
- 4.10** The Contractor shall implement its own TTM scheme for operation at Site Portion A from 1 August 2012 and 31 August 2013 inclusive, and shall coordinate with MTRC regarding the TTM design at Chung Yee Street to the satisfaction of the Government.

- 4.11** As MTRC's construction activities are constrained under KTE1001 specifications and statutory requirements, the Contractor if working within MTRC's work site has to retrieve from MTRC and observe the requirements as stipulated in the Environmental and Excavation Permits and its associated conditions and the subsequent authorized amendments, in particular, the Safety Environmental Protection and Stakeholders Engagement aspects.
- 4.12** The Contractor shall allow MTRC and his authorized representatives the right of ingress, egress and regress to, from and through the LOS site at all times to execute, inspect, examine, maintain and survey the Works in connection with the KTE-EPIW project.
- 4.13** The Contractor shall be responsible for the security of the Site in the section of covered walkway CW3 near the existing access staircase for utility services diversion / connection works within the CW3 area. Protection of the completed covered walkway and associated structure is necessary, and any damages have to be reinstated to MTRC's satisfaction.
- 4.14** Care of the works completed by MTRC shall be exercised throughout the interfacing work period. Joint photographic records shall be endorsed by all related parties for reference and retention. The Contractor has to install settlement and movement markers near the interfacing area for daily monitoring purpose at locations and with prevailing 'Alert, Alarm and Action (AAA) levels to be agreed with MTRC.
- 4.15** The Contractor shall nominate an authorized representative full time on site for coordination with MTRC's designated DCM (EPIW) or his delegate during the Contract period.

5.0 PRECAUTIONARY / PROTECTIVE MEASURES, CONSTRUCTION ACCESS AND MATERIAL DELIVERY

5.1 Hoardings, Covered Walkways, Gantries, Chain Link Fence, Road Work Fences & etc.

There are hoardings, covered walkways, chain link fences, etc. required as precautionary / protective measures as shown on Drawings and described in paragraph 2.5 of Section PS(A)-1 of the Particular Specification.

All the hoardings, covered walkways, fencings and road work fences must be properly lit during the hours from 6:30 p.m. to 6:30 a.m. at all time throughout the construction period for safety and security reasons.

5.2 Construction Vehicular Access and Material Delivery at Chung Yee Street

The Contractor's attention is drawn to the fact that there is no existing vehicular access and material delivery route to the Site from public roads, and provision should be made in accordance with Drawings.

As shown on the Drawings, MTRC will free a section of around 47m at Chung Yee Street tentatively for a period of 13 calendar months from 1 August 2012 to 31 August 2013 for the exclusive parking of construction vehicles and temporary storage and loading / unloading of construction materials / equipment. The Contractor is required to erect fence and barrier to the satisfaction of relevant Government Departments for the storage area and also to erect a hoisting system on Site to deliver materials / equipment from the storage area to the Site and vice versa. After the 13-month period, this area should be handed over to MTRC, but MTRC would reserve a section of around 22m within this area for shared use with them for material transportation only for a period of 3 months from 1 September 2013 to 30 November 2013. The Contractor has to coordinate and agree with MTRC on working hours of using the area, but normally it will be alternate days (totally 3) in the week.

The 13-month full use and 3-month shared use periods are absolute and strict. The Contractor is not entitled to any claim with respect to time and cost arising from these periods. For any construction activities beyond these periods, the Contractor has to consider other means of access.

The Contractor should note that Chung Yee Street is for driving tests which are conducted from Monday to Friday every week, and driving practice all days every week. The parking of construction vehicles and delivery of materials / equipment should not disturb these activities and should comply with all requirements imposed by Transport Department, Highways Department, Hong Kong Police and other relevant Government Departments.

For works implementation and occupation of the designated parking and storage area, the Contractor has to submit temporary traffic management (TTM) plan together with drawings of the area for Hong Kong Police, Transport Department and Highways Department's approval. All works involved in implementation of the temporary traffic arrangements, including but not limited to building works inside and outside site boundary and also applications to relevant Government departments and authorities, should form part of the Contract scope.

The Contractor should ensure the storage area is properly screened to avoid dust blown to surrounding area, and should also provide adequate cleaning and waste discharge system to prevent staining the road. Proposals should be submitted to the Architect for approval before work implementation.

All disturbed areas should be reinstated to original condition to the satisfaction of Highways Department and Transport Department after completion of construction.

5.3 Construction Vehicular Access and Material Delivery at Reservoir Playground

The Contractor is also allowed a secondary access at the Reservoir Playground to the south of the site for material delivery. This access, however, is limited to light vehicles and materials, and should be subject to restrictions by WSD. The Contractor should be aware that there is a WSD reservoir underneath the Playground, and no disturbance whatsoever is allowed to the reservoir structure.

The Contractor should apply to WSD, including the submission of method statements, to procure WSD's approval before using the area. Routing of the construction access and some of WSD's requirements are attached to Appendix B to this specification for reference.

5.4 Maintenance and Erection of Hoardings, etc.

The Contractor shall erect and maintain in good conditions the hoardings, covered walkways, chain link fences, road work fences, gates, gantries, etc. in accordance with the contract drawings. The Contractor's attention is drawn to the requirement that all the footings and structures of the precautionary / protective measures (hoardings, covered walkways, chain link fences, gantries and etc.) shall be constructed within the Site boundaries and they would have to be removed, altered, relocated, re-aligned during the construction period to facilitate execution and completion of building / landscaping works.

5.5 Temporary Traffic Arrangement and Management

- (i) Subject to the approval by the concerned Authorities, the Contractor shall restrict all the loading / unloading activities and parking of construction vehicles within the hoarded off works areas inside individual sections of the Site or at designated areas outside the Site.
- (ii) A TTM plan as mentioned above in paragraph 5.2 has been submitted to Transport Department but not yet been endorsed. It is attached to Appendix C of this Particular Specification, and is for reference only. The Contractor is free to adopt or amend the plan as he considers necessary. The Contractor is responsible for liaison with all relevant Government departments and Authorities for approval and implementation of the plan.
- (iii) The Contractor shall also arrange with relevant Authorities, Government departments or adjacent property owners for temporary traffic measures if required. A management plan shall be submitted to the Architect for approval.
- (iv) The following conditions may be imposed by Transport Department and Hong Kong Police in operation of loading and unloading activities, but details are subject to the Contractor's liaison with relevant departments :
 - The loading / unloading activities should not conflict with the driving test centre operation so that the loading / unloading period may be 17:00 to 19:00 Monday to Friday and 07:00 to 19:00 Saturday, but this is also subject to Environmental Protection Department's noise control.
 - Construction vehicles may be restricted to a maximum of 8.36m in length.

5.6 Excavation Permit

A valid Excavation Permit shall be procured from Highways Department for any excavation works outside site boundary during works for hoardings, covered walkways, gantries, vehicular run-in/out, utility services connection etc. The Contractor shall provide the Architect with all necessary documents and information for the application for Excavation Permit. The Contractor shall also separately submit traffic arrangement proposals to Transport Department, Hong Kong Police and all other relevant departments for approval. In carrying out the excavation works, the Contractor's particular attention is drawn to Transport Department's restrictions in working hours to avoid conflict with driving tests.

6.0 COMPLIANCE WITH THE ENGINEERING CONDITIONS AND THE REQUIREMENTS ON THE USE OF THE SITE

6.1 Generally

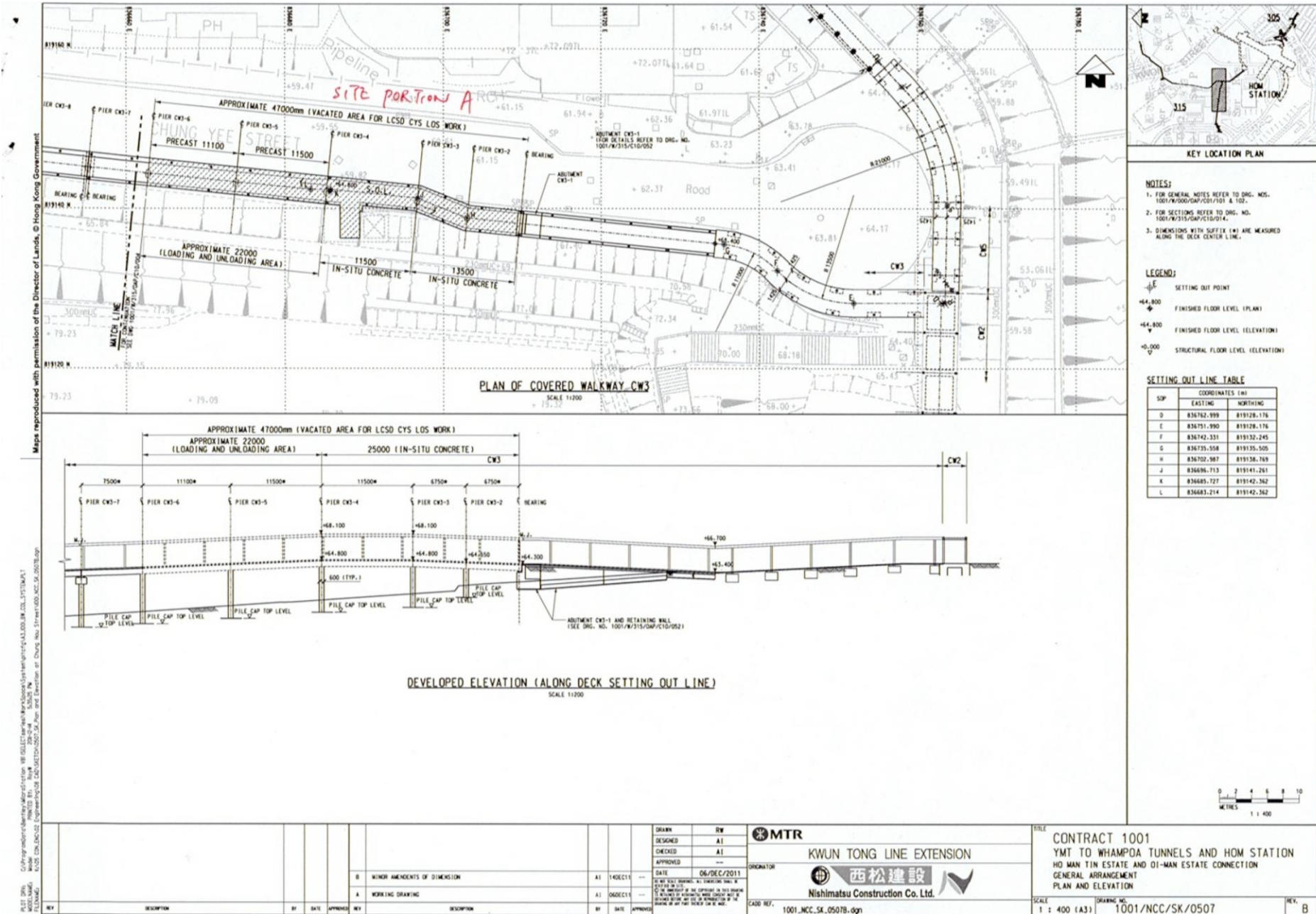
The Contractor is deemed to have read and studied the Engineering Conditions of the project Site attached as Appendix D to this Particular Specification. He should be fully aware of the conditions / requirements stipulated therein and make all due cost and time allowances in his tender for compliance with the same throughout the construction period when the Site is in his possession and under his safe custody.

The Engineering Condition as attached is a draft version. Wordings will be refined and site boundary will be updated. Final version will be provided on commencement of Contract. However, Clauses 3, 5 to 7, 9, 11 to 18, 20 to 22, 24, 29, 32, 34 to 36 are applicable and the Contractor has to comply with these conditions.

Appendix A to Particular Specification PS.P-01

MTRC Work Site and Conditions

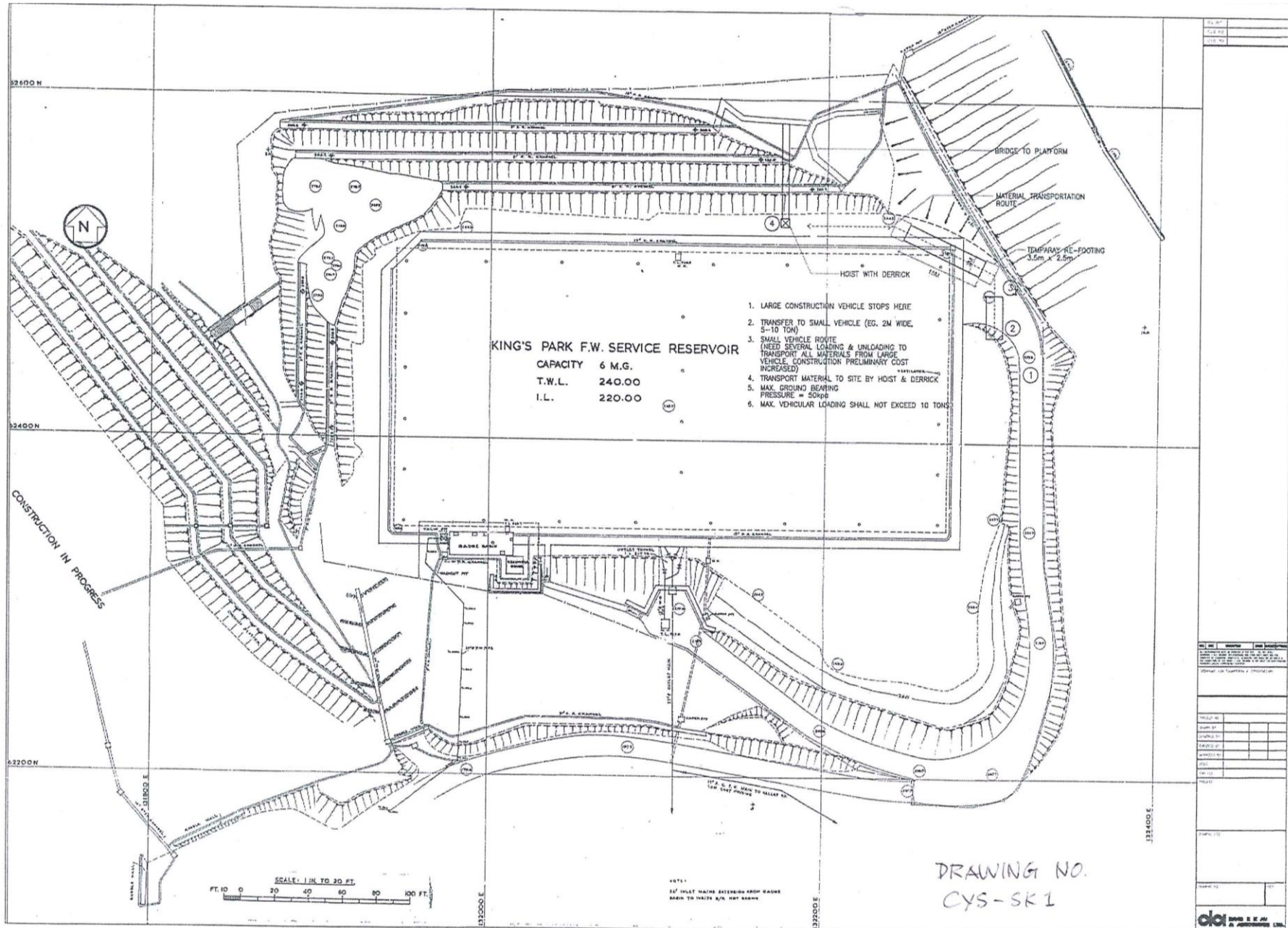
- Drawing no. 1001/NCC/SK/0507 rev. B (site portion A)
- Drawing no. 1001/NCC/SK/0480 rev. A5 (site portion B to D)
- Drawing no. KTESLG/1001/NCC/CYS/003.01 rev. B (TTM)



Appendix B to Particular Specification PS.P-01

Construction Access at WSD Reservoir Playground

- Drawing no. CYS-SK1 (proposed routing, 1 page, for information only)
- WSD's conditions (6 pages)



WSD Conditions

- 1) One set of photographs showing the existing conditions of the access road, the works area and its adjacent works should be taken and submitted to WSD for record.
- 2) Advance notice should be given to WSD before commencement of work.
- 3) No parking of vehicles/plant or storage of materials is allowed on the access road and other open area of the service reservoir compound.
- 4) No vehicles or plants are allowed to run on top of the service reservoir.
- 5) Vehicular access to the service reservoir shall be maintained at all time.
- 6) The access road and the service reservoir compound should be kept in a clean and tidy condition.
- 7) No security fence shall be removed without WSD consent.
- 8) The attached “Conditions of Working in the Vicinity of Waterworks Installations” and “Conditions for the Use of Waterworks Access Road” shall be complied with.
- 9) All damages to existing fence, gates, road slab and structures caused by your work shall be made good to WSD satisfaction.
- 10) For detailed site access arrangement, please contact WSD Senior Inspector, Mr. W C YU, at 2360 6253.

Conditions for the Use of Waterworks Access Road

1. The applicant shall limit the gross weight of each vehicle imposed on the waterworks access road to 5 tonnes or the axle load to 3 tonnes, except for ready mixed concrete trucks, which shall not carry more than 5 m³ of concrete while on the access road.
2. The applicant shall ensure that only one construction vehicle shall be allowed to use the waterworks access road at any time.
3. The applicant shall not cause obstructions on the road, and shall make use of the passing bays to maintain free access for other road users.
4. The applicant shall ensure the safety of his vehicles in using the road.
5. The applicant shall carry out repair or reinstatement works to the satisfaction of WSD or pay to Government on demand the cost of repair and reinstatement to any WSD installations that shall or may be necessary at any time as a result of damage caused by any works or other activities carried out by the applicant or others under his charge.
6. The applicant shall indemnify Government against any claim, action or demand arising from his use of the access road.
7. The applicant is required to comply with the Public Cleansing and Prevention of Nuisance (New Territories) Regulation 1972 in respect of his vehicles while using the access road.
8. The recommended maximum speed on waterworks access road is 25 km/h.

Water Mains

1. No water mains or their support shall be interfered with or buried without the prior approval of W.S.D.
2. The Contractor shall check the location of watermains and cables and other services by hand dug trial holes and take precautionary measures to protect them.
3. Free access shall be maintained at all time for the staff of W.S.D, their contractors and vehicles to go into and/or through the site to carry out installation, inspection, operation, maintenance or repair works.
4. No additional filling material is to be deposited over a water main without the approval of W.S.D.
5. No structures shall be erected or materials stored within 3 metres from the centre line of mains of 900 mm diameter or under, and 5 metres for mains exceeding 900 mm in diameter.
6. Full details of any proposed temporary works affecting W.S.D. installations and of any temporary support or protective measure to mains shall be submitted to the Client Department for approval and to W.S.D. for information. Work shall not commence until approval is given by the Client Department.
7. Diversion of W.S.D. mains, other than those already shown on the contract drawings, shall only be considered when all other options such as protection of the mains or modification of design have been considered and found to be impracticable.
8. The programme for laying or diversions of all W.S.D. mains shall be agreed with W.S.D. in advance. A 14-day notice shall be served to W.S.D. to confirm site availability for the commencement of any agreed diversion. W.S.D. shall also be notified of any change required in the agreed programme as soon as possible.
9. All excavation works within 1.5m of water mains exceeding 900 mm in diameter shall be carried out by hand. No excavation shall be carried out within lines 45° below the centre line of such mains or 45° below the edges of the foundation of their supports without approved ground support. If the support is in the form of steel sheets, they shall be left in place after works. Removal of support from underneath the mains is not permitted.
10. No earth fill ramps are to be used to form temporary crossings of the large diameter mains. Temporary ramps/bridges in steel, timber, or concrete shall be used with the deck and support piers clear of the mains so that no loading is imposed on the mains.
11. All temporary works near the large diameter water mains shall be kept at least 1 metre away from the edge of the mains and the length of mains affected shall be well protected by a temporary timber cover raised 250 mm clear of the mains to ensure no impact damage.

Excavation near Waterworks Installations

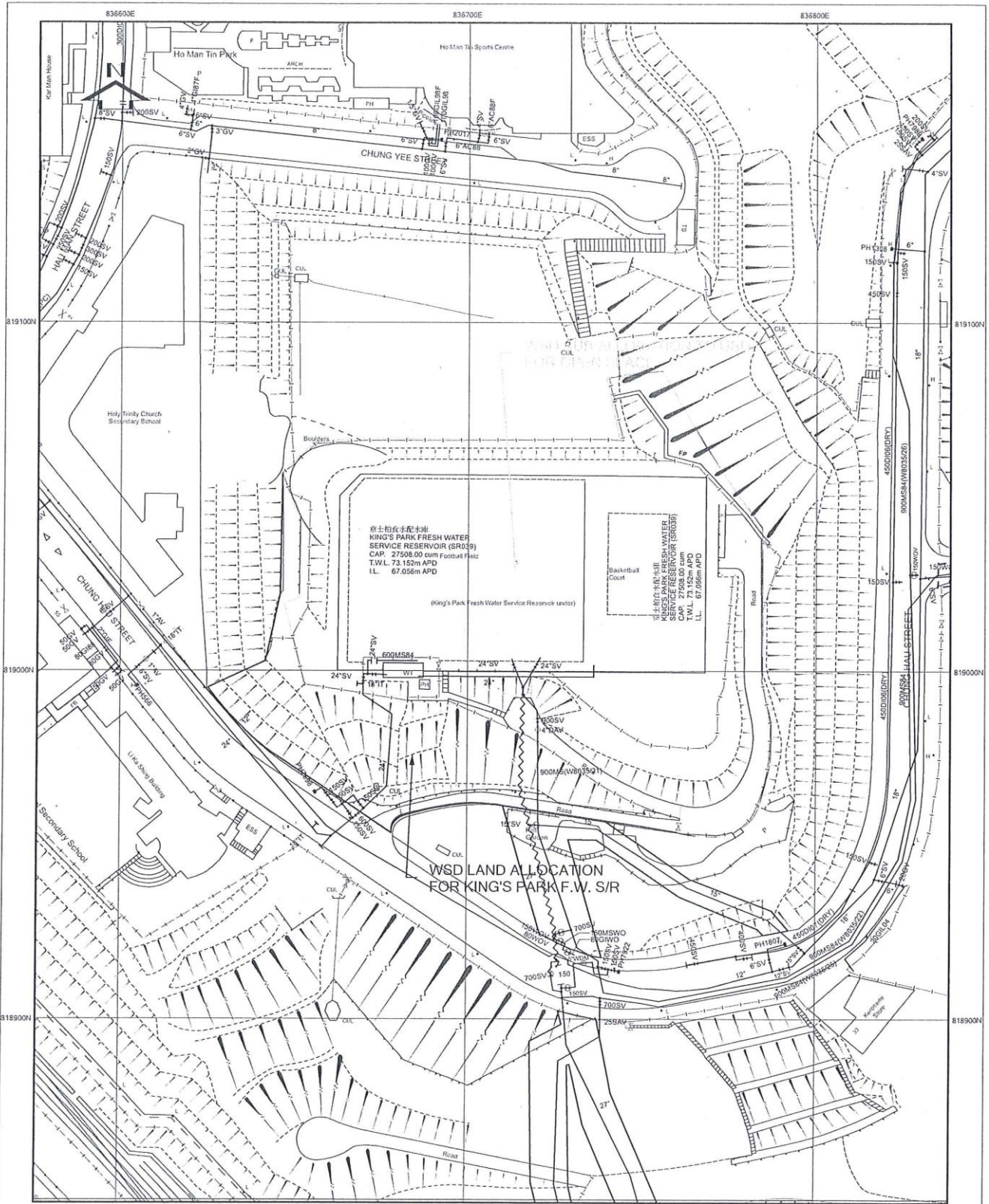
19. Excavation shall not be permitted within lines drawn at 45° downwards from a point 6m away from the foundation lines of any waterworks structure.
20. No excavation should be carried out within 60 metres, horizontally of any tunnel and no excavation or well driving shall be carried out above any tunnel.
21. No quarrying operations shall be carried out above and/or within 150 metres horizontally from any waterworks tunnel.

Prevention of Pollution of Waterworks Catchments

22. Site formation plans shall be submitted to W.S.D. for approval prior to commencement of work.
23. The Contractor shall exercise particular care not to cause pollution or siltation to any waterworks catchment area. Any bulk excavation within a waterworks catchment shall be provided with silt traps to prevent any particular matter from entering streams or intakes. The details of silt trap shall be submitted to W.S.D. for approval. Silt traps shall be cleared out regularly and in particular after any rainstorm.
24. No oil, diesel or fuel shall be stored within waterworks catchment area.
25. No labour lines shall be allowed within waterworks catchment area.
26. Portable toilets of the closed chemical type shall be provided on site and the waste be cleared away daily and disposed of outside the Waterworks catchment area.
27. The Contractor shall be responsible for cleaning frequently any waterworks roads and associated drainage works of mud and debris.

Waterworks Installations (e.g. Treatment Works) nearby

28. The Contractor will not be permitted access to any adjacent W.S.D. installations.
29. An unimpeded free vehicular access shall be maintained at all time to and from the adjacent Waterworks Installations in the vicinity.



WSD LAND ALLOCATION
FOR KING'S PARK F.W. S/R

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 2. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 3. INFORMATION ON ALIGNMENT OF MAINS IS OF INDICATIVE VALUE ONLY WHERE POSITIONAL ACCURACY MAY BE OF IMPORTANCE, DETAILS SHOULD BE SITE CHECKED.
 4. FOR MAINS RECORDS SIGN CONVENTIONS AND DESIGNATIONS SEE SKETCH NO.3988.
 5. THE SITE IS NOT WITHIN WSD GATHERING GROUNDS.

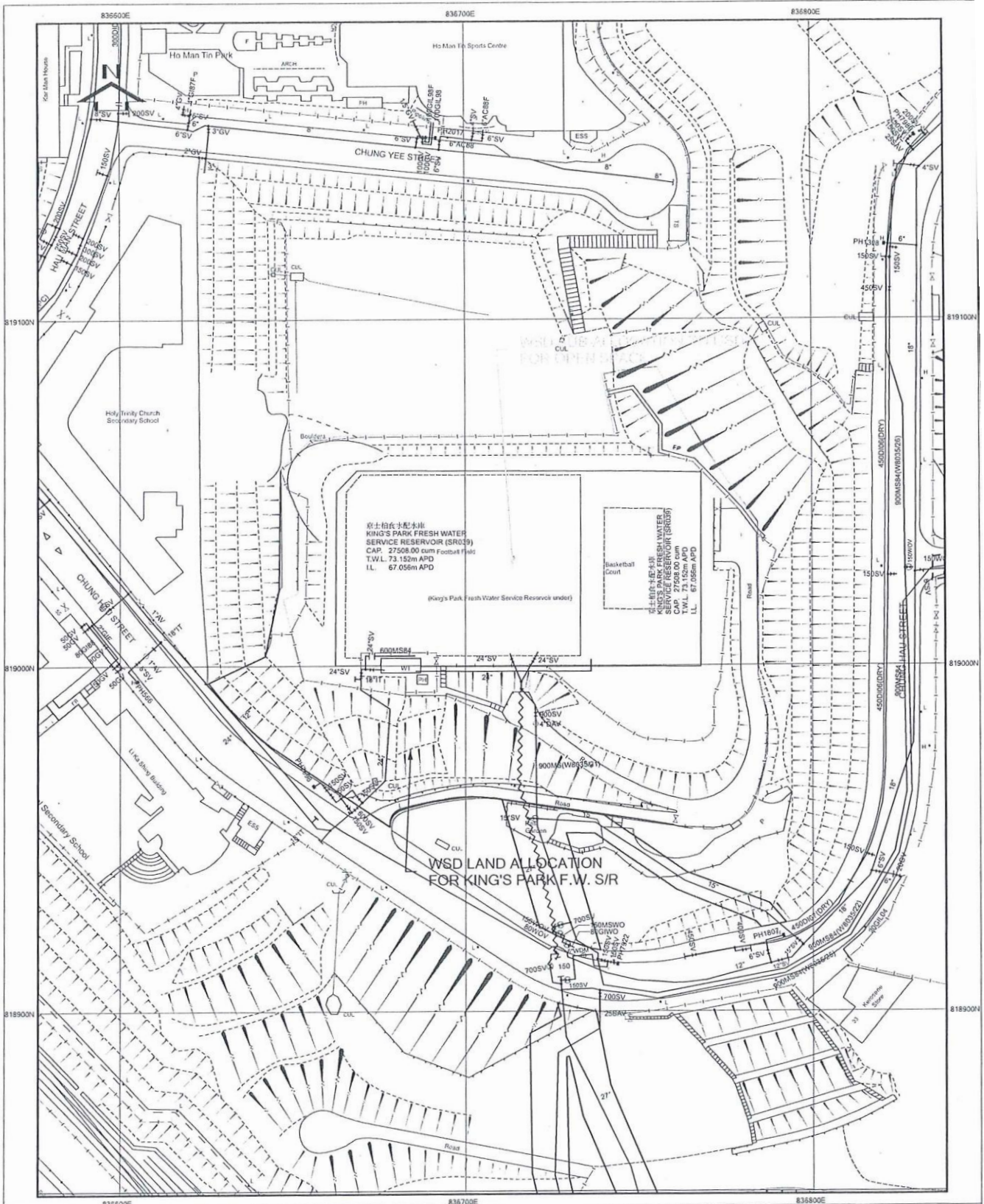
PART COPY OF FRESH WATER MAINS RECORD PLAN(S)

W67880/11-NW-25A & 25B

FILE REF: KING'S PARK F.W. S/R

REF. CODE: 42W11M SHEET 1 OF 1 SCALE 1:1000





- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 2. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 3. INFORMATION ON ALIGNMENT OF MAINS IS OF INDICATIVE VALUE ONLY, WHERE POSITIONAL ACCURACY MAY BE OF IMPORTANCE, DETAILS SHOULD BE SITE CHECKED.
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 5. THE SITE IS NOT WITHIN WSD GATHERING GROUNDS.

PART COPY OF FRESH WATER MAINS RECORD PLAN(S)

W67880/11-NW-25A & 25B

FILE REF: KING'S PARK F.W. S/R

REF. CODE: 42W11M SHEET 1 OF 1 SCALE 1:1000



水務署
Water Supplies Department

Appendix C to Particular Specification PS.P-01

Construction Access at Chung Yee Street

- Drawing no. J837/TTM2/F01B/13-12-11 rev. B (TTM, for information only)

Appendix D to Particular Specification PS.P-01

Engineering Condition (7 pages)

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**Engineering Conditions for Permanent Land Allocations (GLA-K425)
to Leisure and Cultural Services Department
for Local Open Space at Chung Yee Street, Kowloon**

- Use (1) (a) The area coloured pink on the attached plan (hereinafter referred to as "the site") shall not be used for any purpose other than for local open space.
- (b) In the event that any change in the use or development of the site is proposed the allocatee after having obtained the approval of the Planning Department and that of the Town Planning Board if necessary shall apply for approval to the District Lands Officer/Kowloon West (hereinafter referred to as "the District Lands Officer") who may, if approval is granted, impose additional conditions or direct that a new allocation is necessary.
- (c) Excavation within the site in connection with the aforesaid purpose is permitted.
- Formation (2) The site shall be formed to levels to be approved by the appropriate authority and no approved levels shall be amended without the prior approval in writing of the appropriate authority which in granting consent may impose such conditions as it sees fit.
- Setting Out (3) (a) Upon application by the allocatee, the District Lands Officer shall, if he considers it necessary, cause the boundaries of the site to be set out on the ground.
- (b) The allocatee or his authorized representative after such setting out shall attend at the site to take over the boundary marks. The allocatee shall take or cause to be taken all proper care and precautions to safeguard the boundary marks from any disturbance whatsoever.
- (c) The District Lands Officer shall only provide the initial setting out. Any replacement of missing or disturbed boundary marks that may become necessary, shall be the responsibility of the allocatee, either by charge to his contractor or by other arrangements with private surveyors.
- Cessation of User (4) (a) In the event that the site or any part thereof has ceased to be used for the purposes specified in Condition No. (1), the District Lands Officer shall have full power to terminate this allocation and retake possession of the whole or any part of the site upon 6 calendar months' notice in writing being given to the allocatee.
- (b) Upon the expiration of the said notice, the allocatee shall quit and deliver up possession of the site or the relevant part thereof in a condition to the satisfaction of the District Lands Officer.

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- (c) In accepting back the site or any part thereof, the District Lands Officer may require the site or any part thereof to be cleared, reinstated and fenced to his satisfaction at the cost of the allocatee.
- Cutting away (5) No works shall be carried out on adjoining Government land without the prior written consent of the District Lands Officer who may in granting consent impose such conditions as he sees fit.
- Utility services etc. (6) The removal, diversion or reinstatement elsewhere as may be required of any existing works or installations whatsoever on the site must be paid for as part of the project and carried out to the satisfaction of the appropriate authority.
- Dumping (Government land) (7) No earth, debris, spoil of whatsoever nature or building materials shall be dumped on any Government land.
- Land allocation (8) All site formation works associated with the project shall be carried out and paid for as part of the project. In addition, all works necessary to ensure adequate stability of land and structures which could be adversely affected by the project or the failure of which could adversely affect the site, shall be carried out and paid for as part of the project by the allocatee.
- Rock crushing (9) No rock crushing plant shall be permitted on the site without the approval of the Head of Geotechnical Engineering Office.
- Anchor maintenance (10) Where prestressed ground anchors have been installed within and outside the site, the allocatee shall be responsible for regular maintenance and regular monitoring of the prestressed ground anchors to the satisfaction of the Head of Geotechnical Engineering Office. Regular monitoring reports with critical discussion of results shall be submitted to the Geotechnical Engineering Office for checking.
- Damage to public roads (11) Any damage done to adjoining public roads, street furniture etc. shall be made good to the satisfaction of the Director of Highways and paid for as part of the project.
- Drainage (12) All storm-water or rain-water from the site including any access road thereto shall be conveyed to the sea or a stream course, catchpit, channel or storm-water drain as required by the Chief Engineer/Mainland South, Drainage Services Department. All temporary and permanent works shall be paid for from the project and carried out in such a manner that no damage or nuisance is caused by storm-water or rain-water to adjacent property and any claims arising out of damage or nuisance caused by storm-water or rain-water shall be paid for from the project vote.
- Connection to storm-water drain (13) A connection to the Government storm-water drain can be given and all connection charges must be paid for as part of the project and carried out to the satisfaction of the Chief Engineer/Mainland South, Drainage Services Department.
- Interference with drain or nullah (14) No drain or nullah shall be interfered with without the permission of the Chief Engineer/Mainland South, Drainage Services Department.

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- Damage to nullah etc. (15) Any damage or obstruction caused to any nullah, drain, water main or other installation within or adjoining the site shall be made good at the cost of the project and to the satisfaction of the Chief Engineer/Mainland South, Drainage Services Department or the appropriate authority.
- Connection to sewer (16) A connection to the Government sewer can be given and all connection charges must be paid for as part of the project and carried out to the satisfaction of the Chief Engineer/Mainland South, Drainage Services Department.
- Fresh water supply (17) (a) A filtered supply of fresh water from Government mains can be given.
(b) No water from Government mains shall be used for any heating, cooling or humidification purpose without the prior written consent of the Director of Water Supplies.
- Flushing water supply (18) (a) A salt water supply can be given at present.
(b) Fresh water from Government mains shall not be used for flushing purposes.
(c) All materials used on the flushing system must be such as to resist the action of sea water.
- Waterworks catchment (19) The site is not within a waterworks catchment.
- General nuisance (20) The allocatee shall not do or permit anything to be done within the site that may become a nuisance or annoyance to the occupants of nearby premises.
- No concrete production (21) No concrete production is allowed on the site.
- No open burning (22) The allocatee shall not light bonfires on the site for the burning of debris or other materials.
- Height restriction (23) No part of any structure shall exceed 10.5 metres above the mean formation level of the land on which it stands and the maximum area of the site hereby allocated that may be built-over shall not exceed 7%.
- Fencing (24) Upon handover of the site to the allocatee, immediate and continuing action should be taken against illegal occupation of or dumping on the site, including adequate fencing or other works or the provision of security guards all to the satisfaction of the District Lands Officer and at the cost of the project.
- Liaison on taking over (25) The timing of demolition (if any) and clearance, and the taking over of the site by the project contractor/office should be coincidental to obviate the need for any temporary protection of the site and the project architect/contractor shall liaise with the District Lands Officer in this respect.

Access for Fire
Services appliances
and personnel

- (26) (a) The allocatee shall at his own expense and to the satisfaction of the Director of Fire Services :
- (i) provide suitable means of access for the passage of Fire Services appliances and Fire Services personnel to any structure or structures erected or placed or to be erected or placed on the site;
 - (ii) at all times permit such Fire Services personnel and Fire Services appliances the free and uninterrupted use of such means of access; and
 - (iii) maintain such means of access and keep the same free from obstruction;
- (b) The allocatee shall permit the Director of Fire Services, his officers, servants or agents at all reasonable times with or without notice to enter upon the site or any part thereof or any structure or structures or any part thereof erected or placed or to be erected or placed thereon for the purpose of inspecting the same so as to ensure that the requirements referred to in sub-clause (a) of this condition have been complied with.

Provision of fire
service installations
and equipment

- (27) The allocatee shall at his own expense and to the satisfaction of the Director of Fire Services provide fire hydrants, fire fighting appliances, water pumping connections and such other fire service installations and equipment (as defined in the Fire Services Ordinance, any regulations made thereunder and any amending legislation) as the Director of Fire Services in his sole discretion shall require within the site (or, subject to the prior written consent and approval of the District Lands Officer, on any adjacent or adjoining Government land) and within any structure or structures erected or to be erected thereon at such point or points as the Director of Fire Services may require. The allocatee shall maintain at his own expense the said fire hydrants, fire fighting appliances, water pumping connections and such other fire service installations and equipment in good condition and to the satisfaction of the Director of Fire Services.

Dangerous goods

- (28) The allocatee shall comply with all lawful requirements of the Director of Fire Services made under the Dangerous Goods Ordinance, any regulations made thereunder and any amending legislation.

Stratum Area and
the Railway

- (29) (a) The allocatee acknowledges that there may be erected, constructed, maintained and operated by the MTR Corporation Limited or its successors or assigns (hereinafter referred to as "the Railway Operator") a railway system within the stratum area of or in the close proximity to the site.

Protection of the
Railway

- (b) Prior to the commencement of any works (including but without limitation to the site investigation works, piling or other foundation works and other civil engineering and building works and demolition work whatsoever by the allocatee on or within the site, the allocatee shall consult the Railway Operator so as to ensure that any such works on, within or over the site do not

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damage, interfere with or endanger any railway (as defined under the Kowloon-Canton Railway Corporation Ordinance, Chapter 372, and for the purposes of these Conditions, including without limitation, all works, structures, facilities or installations of any proposed or planned railway alignment the subject of any scheme prepared or in the process of preparation pursuant to the Railways Ordinance (Chapter 519) (hereinafter together referred to as the "Railways"))(as to which the decision of the Railway Operator shall be conclusive) or the safe operation of the Railways and if required by the District Lands Officer the allocatee shall, at his own expense, take such precautionary measures as may be required by the Railway Operator to ensure the safety of the Railways as the District Lands Officer may require.

(c) For the avoidance of doubt it is hereby agreed and declared that the allocatee shall not be required to consult the Railway Operator for any works to be done by the allocatee within the site except for works which will :-

- (i) induce peak particle velocity exceeding 15mm/sec to the Railways; or
- (ii) cause vertical / horizontal pressure exceeding 20kPa on any part of the Railways; or
- (iii) cause accumulative distortion exceeding 1 in 1000 in any plane to the Railways, plinth or track; or
- (iv) cause total movement exceeding 15mm in any plane in the Railways.

Observance of Ordinances, etc.

(d) The allocatee shall observe and comply with all Ordinances, By-laws, Regulations, Practice Notes for Authorized Persons and Registered Contractors, Practice Notes for Registered Contractors, and the Transport and Housing Bureau Technical Circulars for the time being in force and relating to the Railways including but not limited to the Kowloon-Canton Railway Corporation Ordinance (Chapter 372) and the Railways Ordinance (Chapter 519), any regulations made thereunder and any amending legislation.

Compliance with requirements of Director of Fires Services, etc.

(e) The allocatee shall at his own expense comply with all special requirements of the Building Authority, the Director of Fire Services and without limitation any other relevant Government departments and statutory authorities in connection with the construction (including the materials to be used), repair and maintenance of any part or parts of the building or buildings connected or in close proximity or adjacent to or within the railway protection boundaries or areas or any scheme prepared or in the process or in the process of preparation pursuant to the Railways Ordinance (Chapter 519) from time to time.

Temporary use before taking over

(30) Until such time as the site is taken over by the allocatee, the District Lands Officer shall at his sole discretion make such temporary use of the land as he sees fit, including the granting of a Short Term Tenancy in respect thereof. An application for possession of the site must be submitted two

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months before work on the site is expected to begin.

Erection of
signboard

(31) The allocatee shall, within 3 months from the date on which the site is taken over by him, erect and maintain within the site in a position as shall be determined by the District Lands Officer a sign clearly showing the name of the allocatee, the use of the site or the nature of the project to be carried out on the site together with the telephone number and the facsimile number of the officer to whom members of the public may contact should they wish to lodge any complaints or make any enquiries relating to the site.

Laying of services,
etc.

(32) The District Lands Officer reserves the right to grant permission to other Government Departments or Utility Companies to lay or carry out any works or services within the site provided that such works or services do not unduly affect the allocatee's permitted use of the site and any damage or disturbance caused by the works or services is made good and reinstated to the satisfaction of the allocatee and the District Lands Officer. The District Lands Officer shall give not less than two months prior notice of any works or services to be carried out within the site.

Trigonometrical
Station

(33) (a) The allocatee acknowledges that there may be erected, constructed, maintained and operated by the Government a trigonometrical station within the hatched black area shown on the attached plan.

(b) The District Lands Officer reserves the right to grant permission to other Government Departments or his authorized person, officer, contractor to carry out any works within the site in connection to erection, construction, maintenance and operation of the trigonometrical station as referred in sub-clause (a) of this condition provided that such works do not unduly affect the allocatee's permitted use of the site and any damage or disturbance caused by the works is made good and reinstated to the satisfaction of the allocatee and the District Lands Officer. The District Lands Officer shall give not less than one month prior notice of any works to be carried out within the site.

Decontamination

(34) The allocatee shall, in connection with the occupation and use of the site, ensure that the site is free from contamination. In the event that the site is found to be contaminated by any substance, such as soil or groundwater contaminant, the allocatee shall remove all contaminate substance from the site and its adjoining area, if necessary, and reinstate the site to the satisfaction of and prior to the handing back of the site to the District Lands Officer at the expiry of the allocation. The cost of such decontamination work shall be paid for as part of the project.

Clean and tidy site

(35) The allocatee shall at his own expense and to the satisfaction of the District Lands Officer cut or trim the overgrown vegetation and remove any litter or waste to keep the site clean, tidy and safe.

Handing back of site

(36) On termination of the allocation for whatever reasons, the site shall be handed back to and in a condition to the satisfaction of the District Lands Officer free of structures and debris and cleared of all occupation. In accepting back the site, the District Lands Officer may require the site to be reinstated and fenced to his satisfaction at the cost of the project.

