

MTR Corporation Limited

Tung Chung Cable Car Project

Supporting Tower Proposal (Revision 7)

June 2006

The towers will be in lattice form which is preferred from a constructability and engineering perspective. Tower heights range from 18m to 51m. Dimensions of base area of the towers within the country park are given in **Table 2.1** below. Please refer to **Appendix A** for the current design drawings. The steel structure of the towers will have a hot-dipped galvanized coating. Its appearance is similar to the existing CLP's overhead line towers. Please refer to **Appendix B** for the photos taken on site showing the appearance and colour of the towers.

In general, chain link fence and gate (with padlock) will be provided at the tower base to ensure the security of the towers during operational stage. Lockable panel will also be provided at the entrance of cat-ladder/ staircase.

Table 2.1 Dimensions of Base Area of Towers in Country Park

Tower	Overall Dimensions of Base Area
3	12m x 9m
4	22m x 17m
5	18m x 17m
6	14m x 11m
7	21m x 19m

Note: (1) The dimensions indicate only the above-ground base area of the towers.
(2) Since most of the tower bases are not rectangular in shape, the overall dimensions show the longest length and width of the individual tower base.

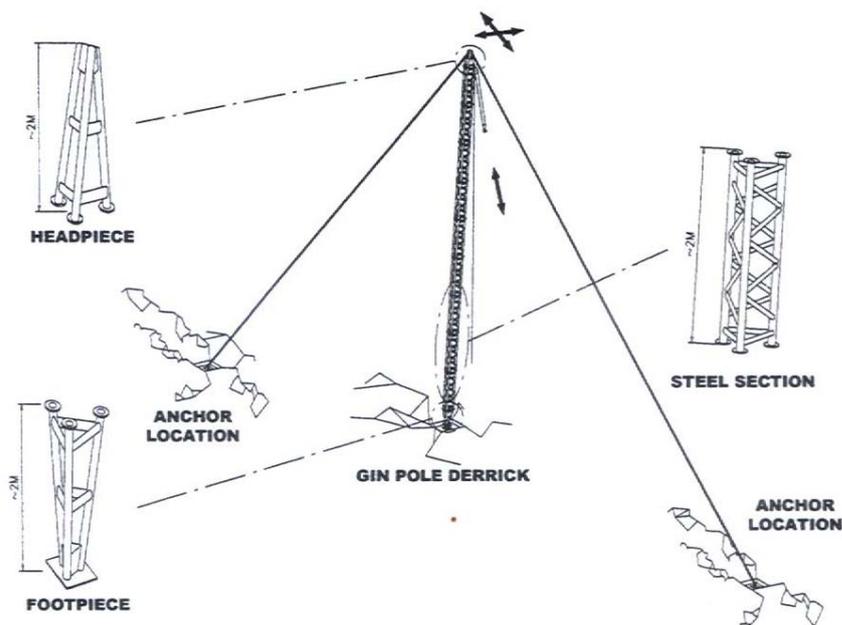
3 Tower Erection

Gin pole derrick will be employed for tower erection in the country park. See **Figure 3.1** below. A gin pole derrick is a derrick without a boom. Its guys are so arranged from its top as to permit leaning the mast in any direction. The load (e.g. pre-assembled tower section/ panel) is raised and lowered by ropes reeved through sheaves or blocks at the top of the mast.

Normally four anchor points are required for fastening of the gin pole derrick to ensure its well anchorage for lifting works. Subject to the site conditions (e.g. tower height, ground conditions and inclination), the gin pole derrick might need to be erected out of the tower works site while the anchors are to be inserted further away from the works site. The exact installation points are to be determined prior to the erection of each tower. The installation points

will be of small scale and approximately 1.2 x 1.2m will be required at each point. The areas will be surveyed by the ecologist to ensure that no rare or protected flora species will be affected. The anchor points will be removed and the areas will be reinstated where necessary once the tower erection is completed.

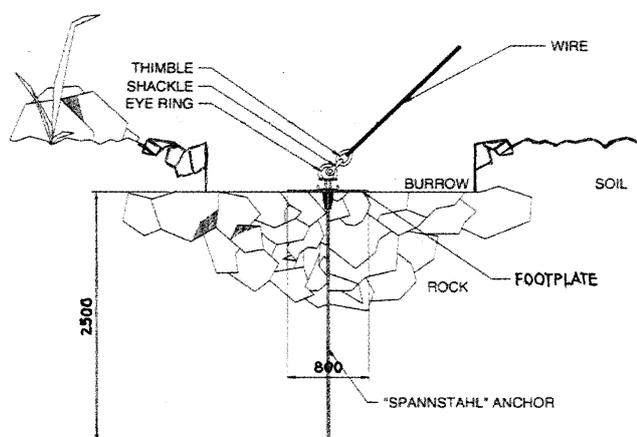
Figure 3.1 Gin Pole Components



The installation procedure for the gin pole derrick is outlined below:

- (a) Layout all the anchor coordinates out of the tower works site.
- (b) Dig down into the soil to form a burrow basing on each coordinate.
- (c) Drill a hole into the rock at the centre of the burrow.
- (d) Clean the hole then insert 'Spannstahl' Anchor through a piece of footplate of 0.8 x 0.8m and into the rock layer about 2.5m depth.
- (e) Install an approximate 50m height of gin pole from foot-piece to head-piece connected by a number of steel sections.
- (f) Pull the gin pole upward by helicopter and stand by the wires.
- (g) Install other accessories, such as, hook, winches, pulleys, wire cables, sheaves, block and so on.

Figure 3.2 Anchor Installation



According to the current work programme, tower erection in the country park will be first undertaken at Tower 3 in early May 2005. Please refer to **Appendix C** for the tentative installation locations for gin pole derrick and its anchors at Tower 3 and 4.

4 Rope Work

Rope pulling work will be followed after the erection of towers. The ropeway will be installed with track ropes and hauling rope. The rope work between Airport Island Angle Station (AIAS), Nei Lak Shan Angle Station (NLSAS) and Ngong Ping Terminal (NPT) will be performed as per the following sequence:

- 2 numbers of track rope from AIAS to NLSAS (namely track rope 'A' and 'B');
- 2 numbers of track rope from NPT to NLSAS (namely track rope 'A' and 'B');
- 1 number of hauling rope from AIAS to NPT

To facilitate the rope pulling work, the following works will be provided prior to commencement of the rope pulling.

Location	Equipment or Temporary Support to be Setup
<i>(1) For track rope between AIAS and NLSAS</i>	
AIAS	(a) Setup of rope pulling machinery and tools
NLSAS	(b) Setup of rope pulling machinery and tools
Between AIAS and Tower 2B across Chek Lak Kok South Road	(c) Erection of cable-bridge supports (suspended)
Between Tower 2B and 3 across the sea channel	(d) Setup of safety net by floating barges/ pontoon for erection of cable-bridge supports (e) Erection of cable-bridge supports (suspended)
Between Tower 3 and 5	(f) Erection of approximate 12 numbers of rope support including 8 rollers (<i>Type A</i>) and 4 gin pole derricks (<i>Type B</i>) for pulling each track rope
<i>(2) For track rope between NLSAS and NPT</i>	
NPT	(a) Setup of rope pulling machinery and tools
Between Tower 6 and NPT	(b) Erection of approximate 8 numbers of rope support including 4 rollers (<i>Type A</i>) and 4 gin poles derricks (<i>Type B</i>) for pulling each track rope
<i>(3) For hauling rope between AIAS and NPT</i>	
Between Tower 2B and 3 across the sea channel	(a) Erection of rope guide roller supports (suspended)

Positions of the temporary support are to be designed by the rope pull specialist. The supports and other appropriate protection are provided to prevent the rope from being dragged on ground or around solid obstacles as well as protect the rope from contact with corrosive medium (sea water). Please refer to **Appendix D** for sketches on rope work installation principle and arrangement of temporary supports.

Tentative locations of the temporary rope support between Tower 3 and 5 and Tower 6 and NPT are shown in **Appendix E**. As noted above, to carry out the rope work in a safe manner, the exact numbers of temporary rope support required and their locations are to be determined by the rope pull specialist based on the actual site conditions. The rope supports will be erected directly under the cableway (wherever possible, on the emergency rescue trail/ temporary access). Minor vegetation clearance might be required in order to gain safe access for setting up of the temporary rope supports.

The design of the two types of rope support is shown in **Appendix F**. The roller (Type A) will be placed on ground and approximately 0.5 x 1m will be required at each location. As for the gin pole derrick (Type B), it will require normally four anchors for installation. The anchors will be fixed on rocks wherever possible or installed underground. See Section 3 also for the erection of the gin pole derrick.

To ensure that no rare or protected flora species will be affected by the setting up of temporary rope supports, the areas will be surveyed by the ecologist. All temporary supports will be removed and the areas will be reinstated where necessary after completion of the rope work.

According to the current work programme, the rope work will commence in September 2005 and is expected to be completed by January 2006.

5 Impacts and Proposed Mitigation Measures

5.1 Water Quality

Water quality concerns associated with the construction of the towers mainly relate to the protection of water gathering ground and streams within the country park.

Proper drainage facilities as detailed in the Temporary Drainage Systems Proposal will be provided at tower sites to control the construction wastewater. There will be single or double bund wall at lower level of the site to stop runoff and a sedimentation tank of adequate capacity to treat the wastewater generated on site.

5.2 Ecology, Visual and Landscape

Approximate habitat loss arising from the tower construction is presented in **Table 5.1** below. The impact on habitats will be primarily on the developed area, grassland and low shrub which are previously identified in the EIA Report as of low ecological importance. Actual permanent habitat loss is dependent on the final design of tower footings and the area taken by E&M installations. Land used temporarily will be fully restored upon completion of the works.

Reinstatement of the existing ground profile and vegetation beneath and around the towers is considered to be the best landscape mitigation in

minimizing the potential visual impact, as there is no means of screening the towers. Visual impact had also taken into account in deciding the colour of the tower. The areas around the tower footings will be properly landscaped upon project completion. As detailed in the Landscape Plan, hydroseeding will be carried out and native woodland species mix will be planted for screening the footings.

Table 5.1 Approximate Habitat Loss arising from Tower Construction

Habitat	Description and Location	Permanent Loss Area (ha)	Temporary Loss Area (ha)	Total (ha)
Grassland	Tower 6	0.09	0.05	0.14
	Total	0.09	0.05	0.14
Low shrub	Tower 3	0.09	0.05	0.14
	Tower 4	0.09	0.05	0.14
	Tower 5	0.09	0.05	0.14
	Tower 7	0.09	0.05	0.14
	Total	0.36	0.29	0.56
Developed area	Tower 1	0.09	0.07	0.16
	Tower 2A	0.05	0.09	0.14
	Tower 2B	0.08	0.06	0.14
	Total	0.22	0.22	0.44
Total Loss		0.67	0.56	1.14

Note: The Table provides an approximate indication of the potential habitat loss. The values listed are based on the immediate footprint of the permanent works and their respective anticipated construction areas.

6 Appendices

Appendix A – Design drawings

Drawing No.	Title
5210/B/06/LPT/A24/007A	Tower 7 Layout
5210/B/06/LPT/A24/006A	Tower 6 Layout
5210/B/06/LPT/A24/005A	Tower 5 Layout
5210/B/06/LPT/A24/004A	Tower 4 Layout
5210/B/06/LPT/A24/003A	Tower 3 Layout

Appendix B – Site photos showing appearance and colour of towers

Appendix C – Tentative installation locations for gin pole derrick & anchors

Appendix D – Sketches on rope work installation principle & arrangement of temporary supports

Appendix E – Tentative locations of temporary rope support within the country park

Appendix F – Design of temporary rope support

Appendix G – Landscape Planting Plans for Towers 3, 4, 5, 6 and 7

Appendix B

Site Photos Showing Appearance and Colour of Towers

Photo 1 – Tower 3 (as of June 2005)



Photo 2 – Tower 3 (as of June 2005)



Photo 3 – Tower 2B

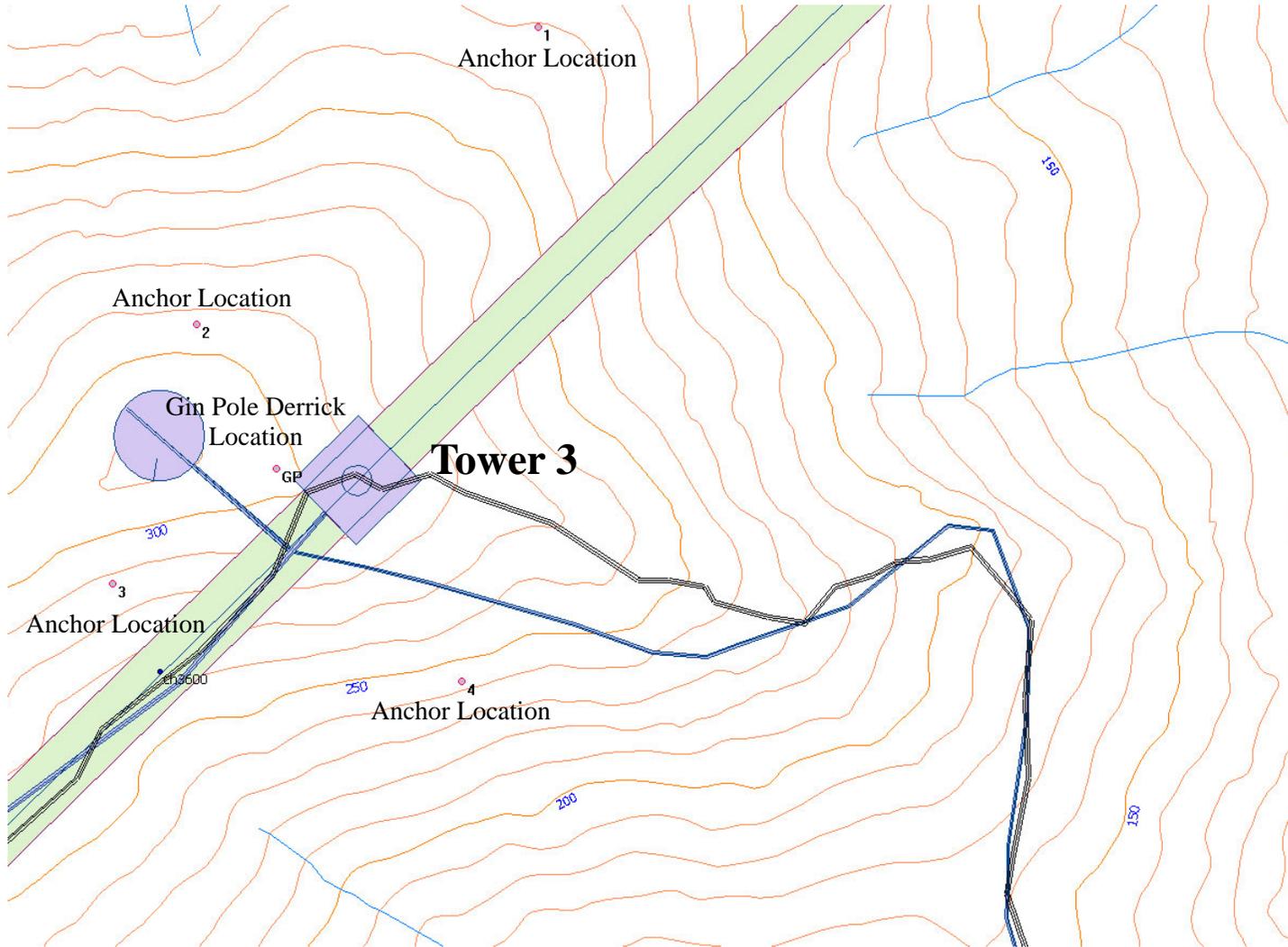


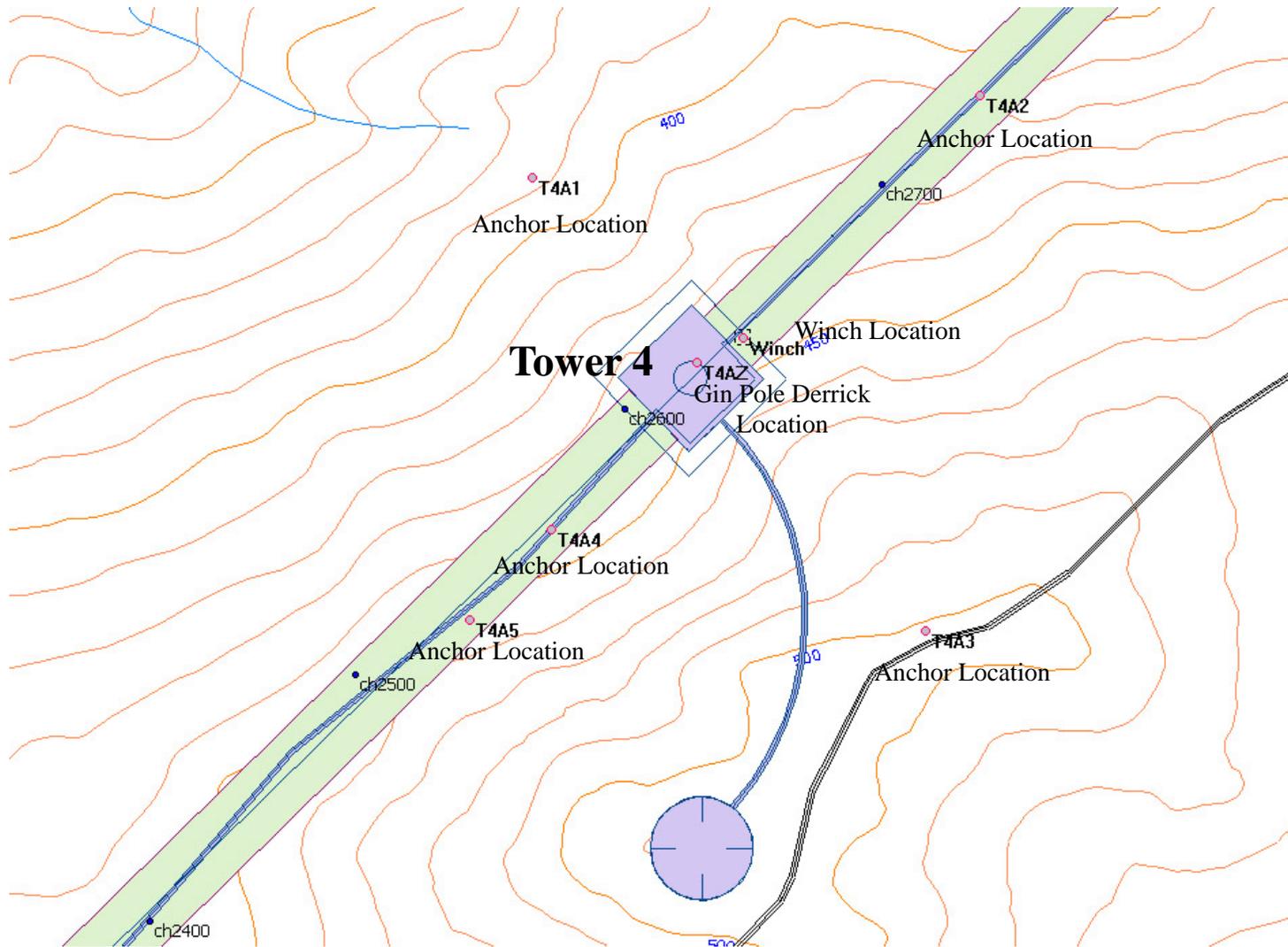
Photo 4 – Tower 2A



Appendix C

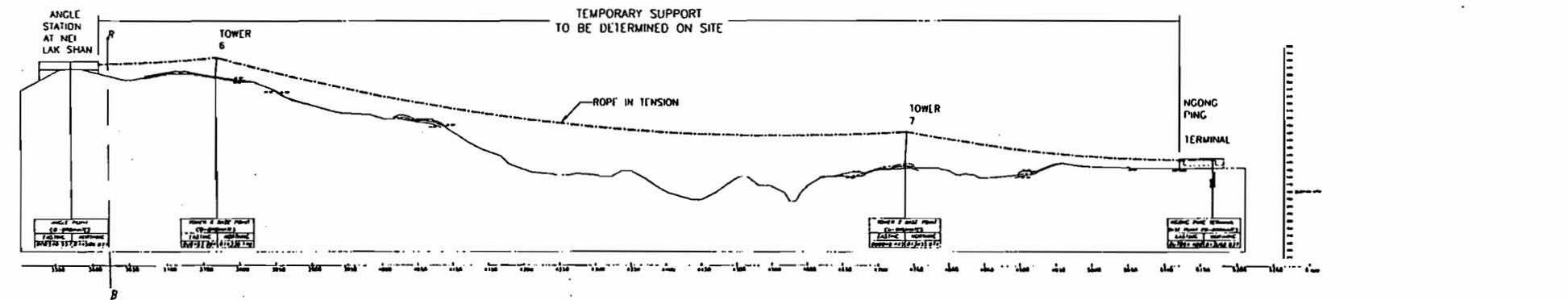
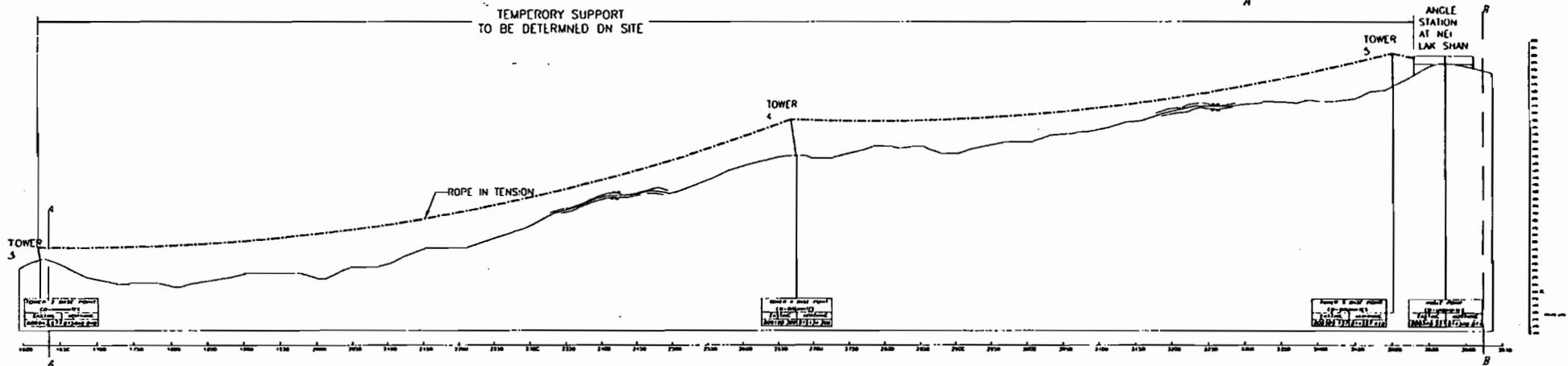
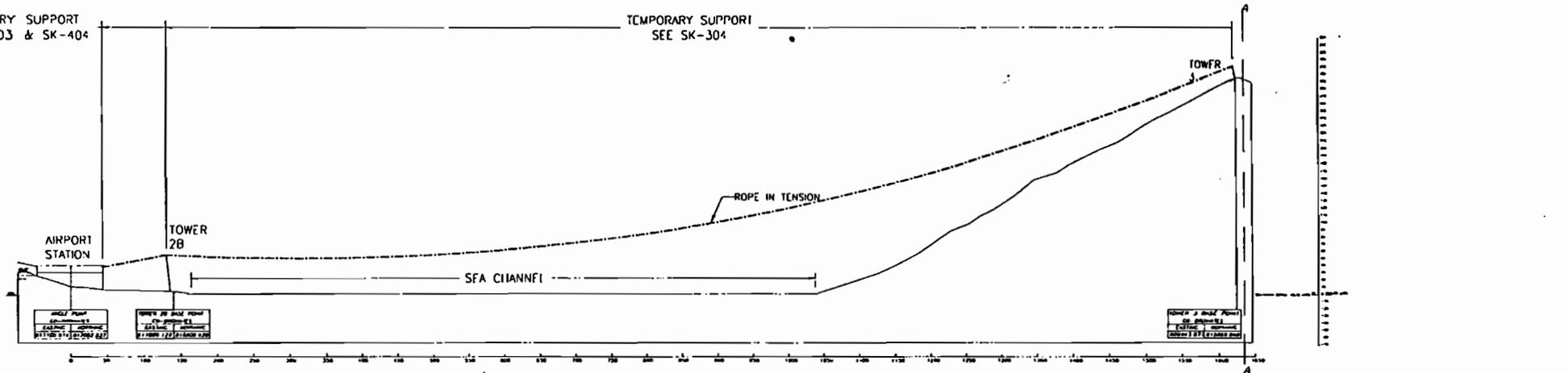
Tentative Installation Locations for Gin Pole Derrick and Anchors



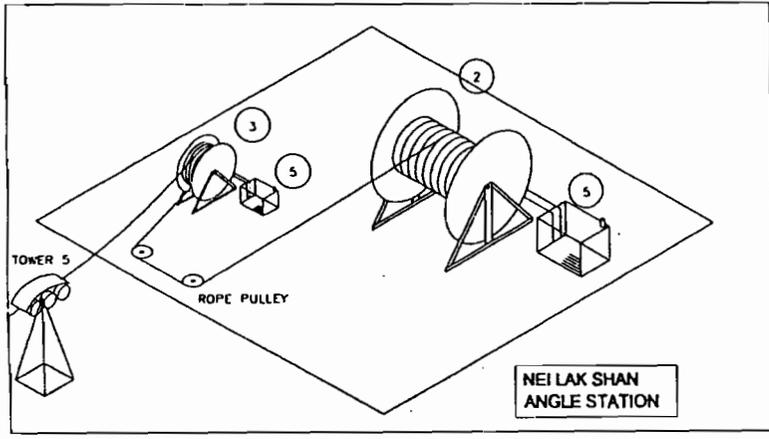


TEMPERORY SUPPORT
SEE SK-303 & SK-404

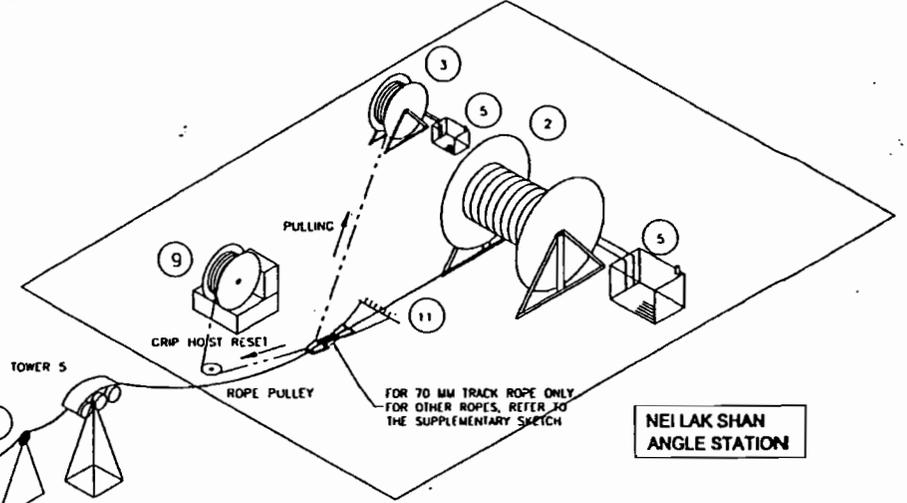
TEMPERORY SUPPORT
SEE SK-304



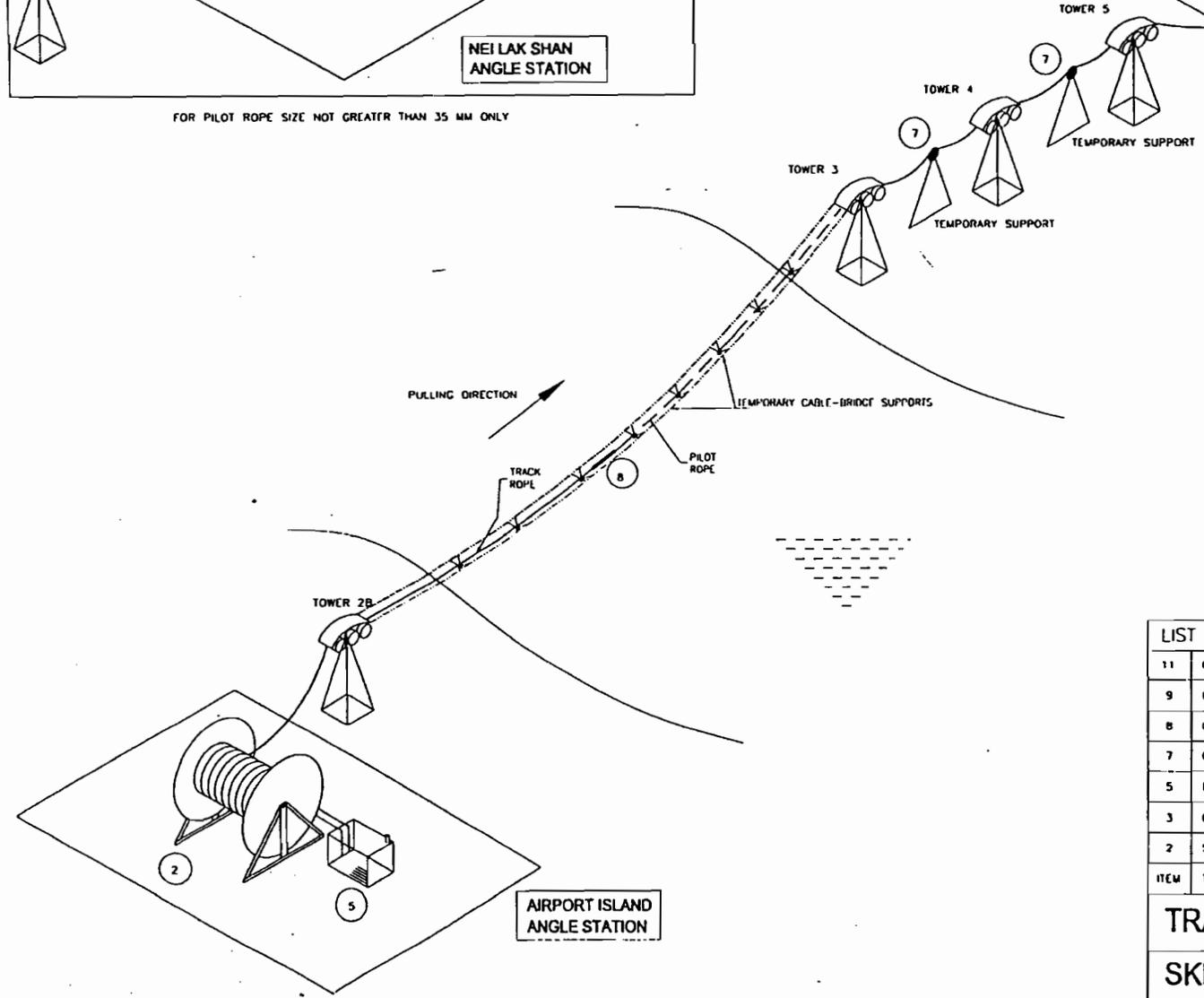
ROPE WORK LAYOUT BETWEEN AIAS AND NPT
SKETCH NO: SK-1002



FOR PILOT ROPE SIZE NOT GREATER THAN 35 MM ONLY



FOR 70 MM TRACK ROPE ONLY FOR OTHER ROPES, REFER TO THE SUPPLEMENTARY SKETCH

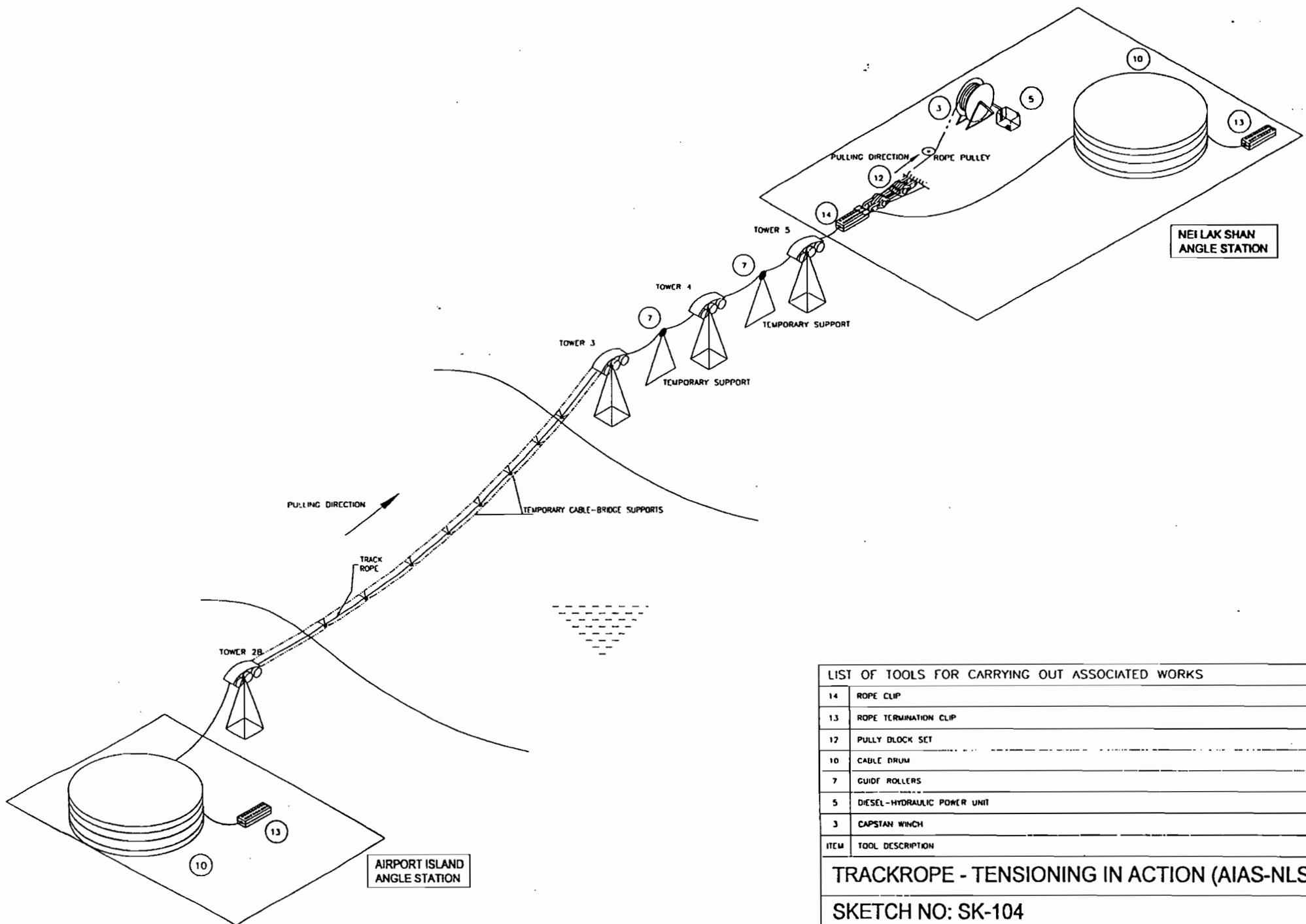


LIST OF TOOLS FOR CARRYING OUT ASSOCIATED WORKS

ITEM	TOOL DESCRIPTION
11	GRIP HOIST SET
9	UNIVERSAL WINCH
8	CONNECTOR
7	GUIDE ROLLERS
5	DIESEL-HYDRAULIC POWER UNIT
3	CAPSTAN WINCH
2	SPOOLING WINCH

TRACKROPE - PULLING IN ACTION (AIAS-NLSAS)

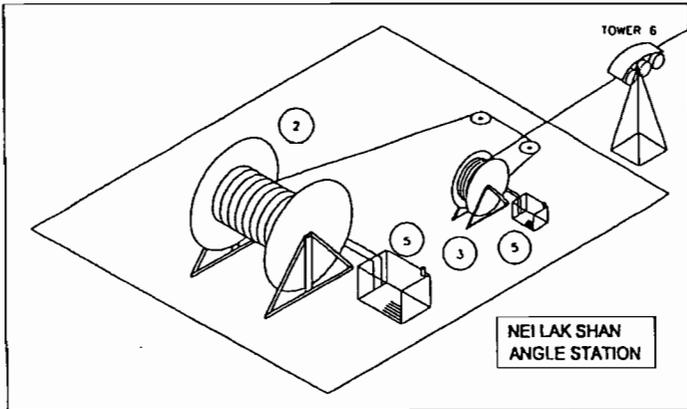
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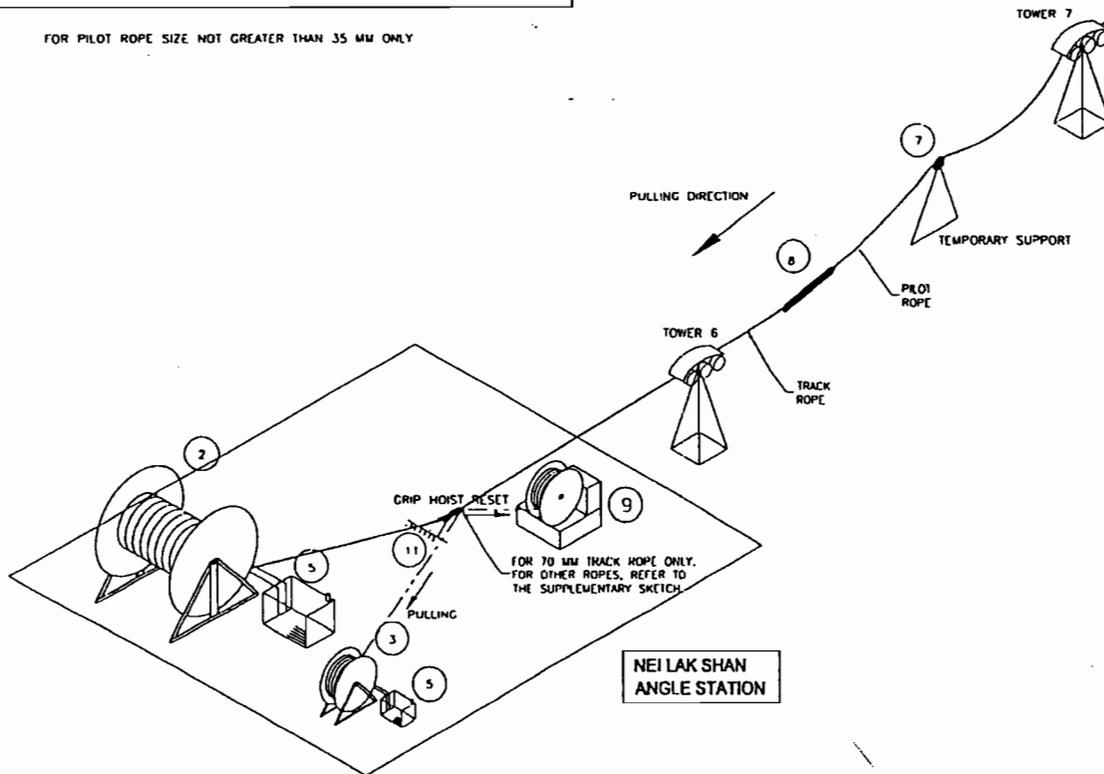
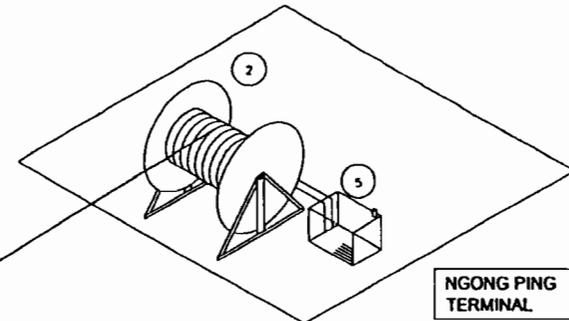
LIST OF TOOLS FOR CARRYING OUT ASSOCIATED WORKS	
ITEM	TOOL DESCRIPTION
14	ROPE CLIP
13	ROPE TERMINATION CLIP
12	PULLY BLOCK SET
10	CABLE DRUM
7	GUIDE ROLLERS
5	DIESEL-HYDRAULIC POWER UNIT
3	CAPSTAN WINCH

TRACKROPE - TENSIONING IN ACTION (AIAS-NLSAS)

SKETCH NO: SK-104



FOR PILOT ROPE SIZE NOT GREATER THAN 35 MM ONLY

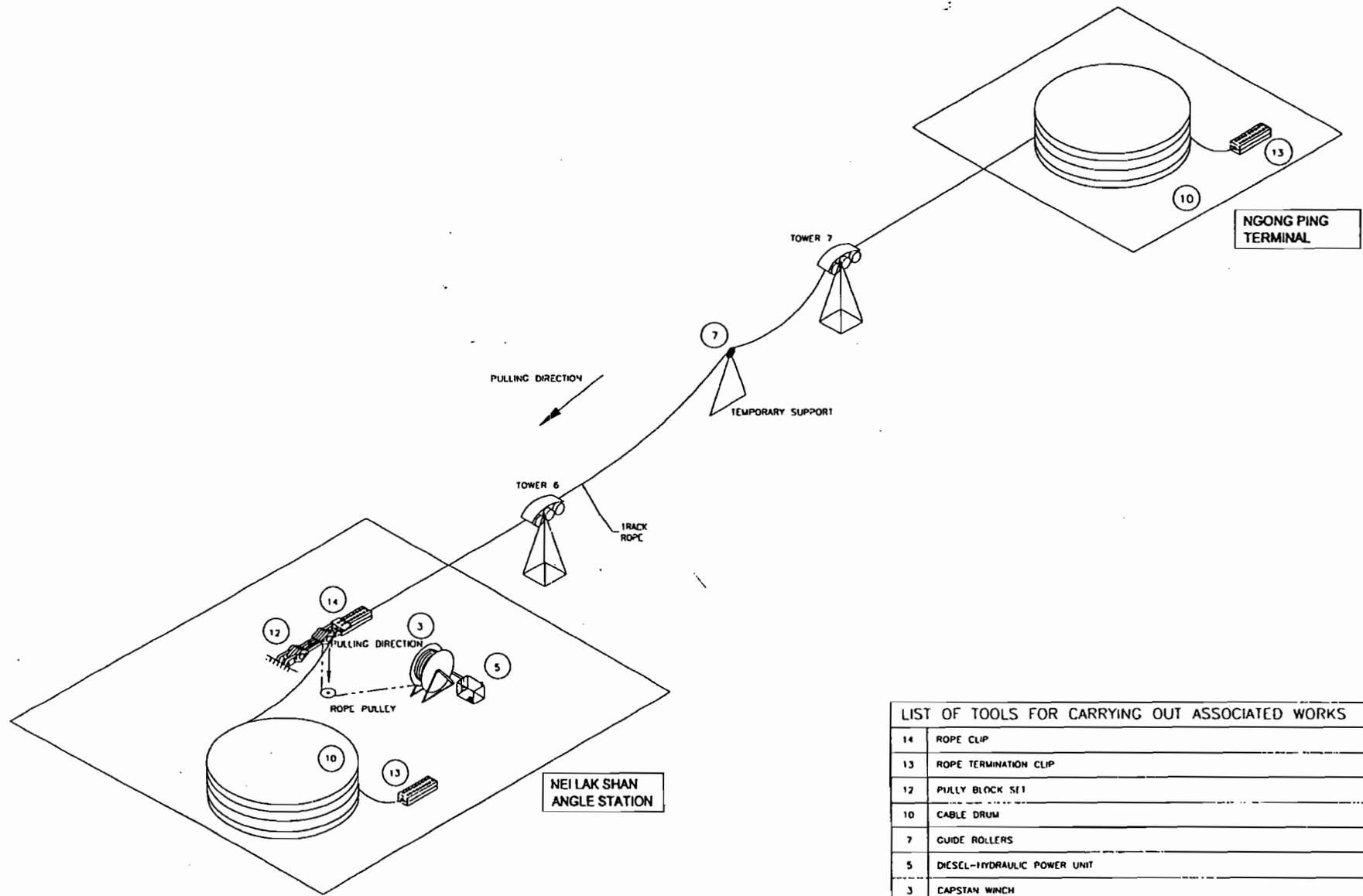


LIST OF TOOLS FOR CARRYING OUT ASSOCIATED WORKS

ITEM	TOOL DESCRIPTION
11	GRIP HOIST SET
9	UNIVERSAL WINCH
8	CONNECTOR
7	GUIDE ROLLERS
5	DIESEL-HYDRAULIC POWER UNIT
3	CAPSTAN WINCH
2	SPOOLING WINCH

TRACKROPE - PULLING IN ACTION (NLSAS-NPT)

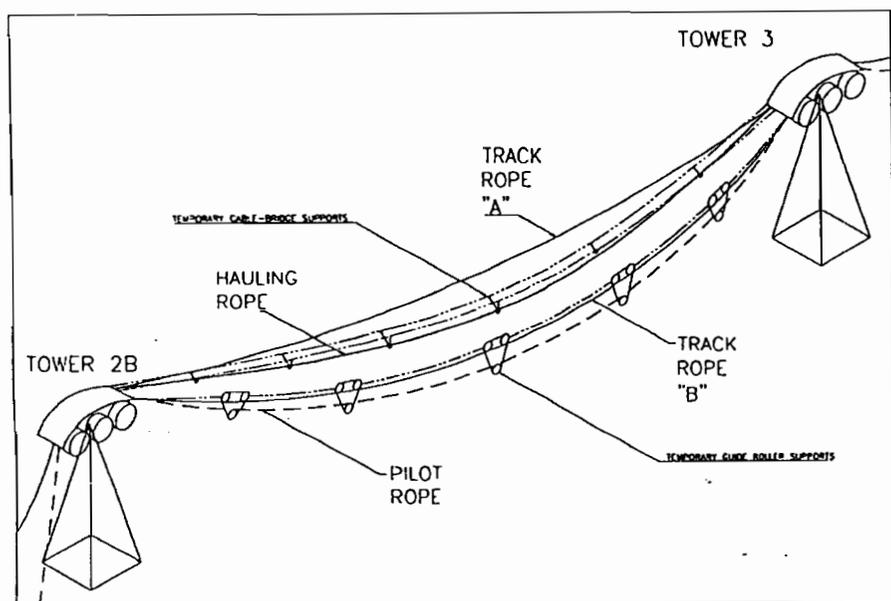
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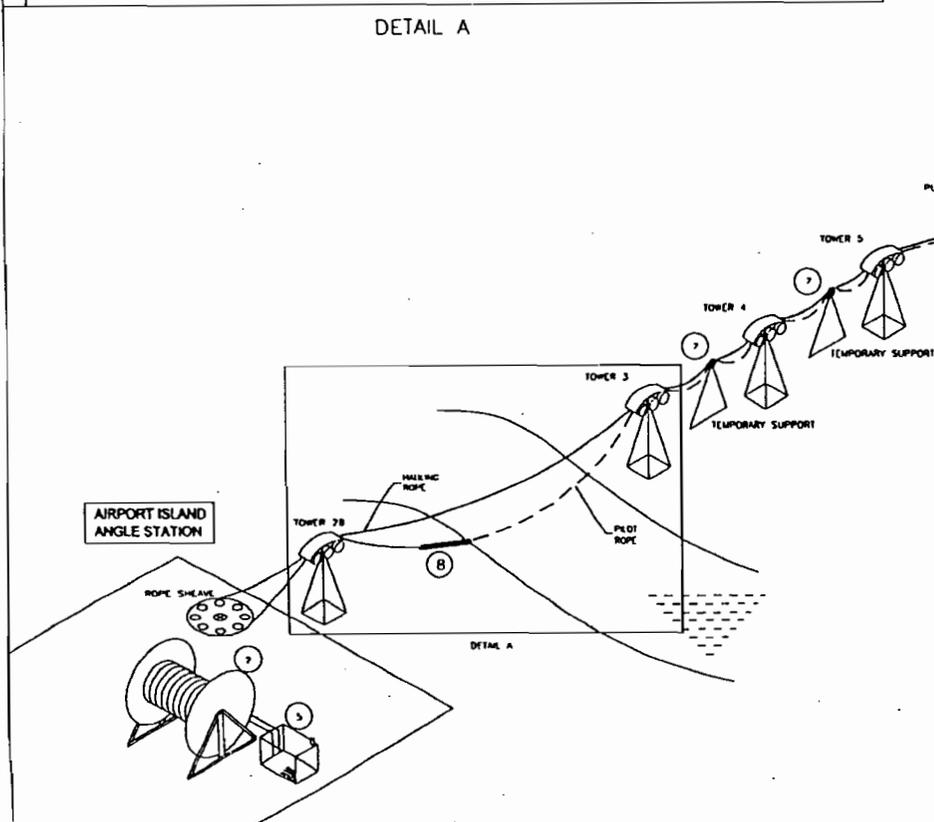
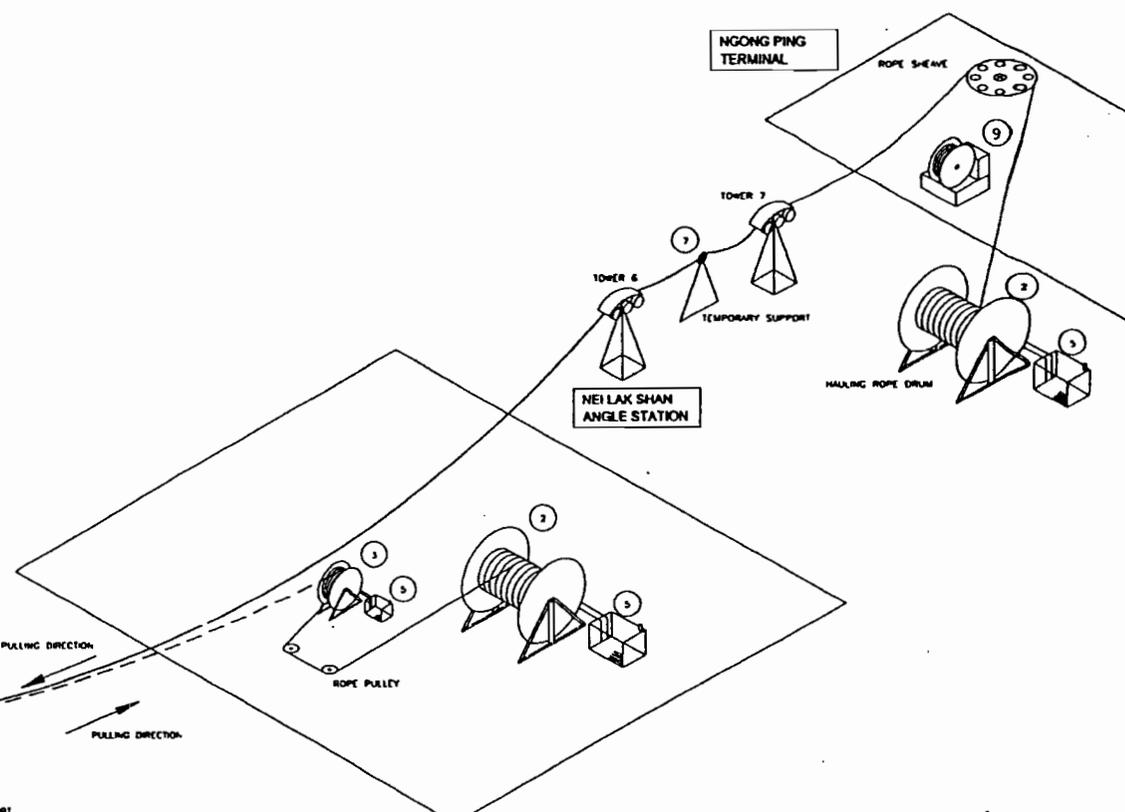
LIST OF TOOLS FOR CARRYING OUT ASSOCIATED WORKS	
14	ROPE CLIP
13	ROPE TERMINATION CLIP
12	PULLEY BLOCK SET
10	CABLE DRUM
7	GUIDE ROLLERS
5	DIESEL-HYDRAULIC POWER UNIT
3	CAPSTAN WINCH
ITEM	TOOL DESCRIPTION

TRACKROPE - TENSIONING IN ACTION (NLSAS-NPT)

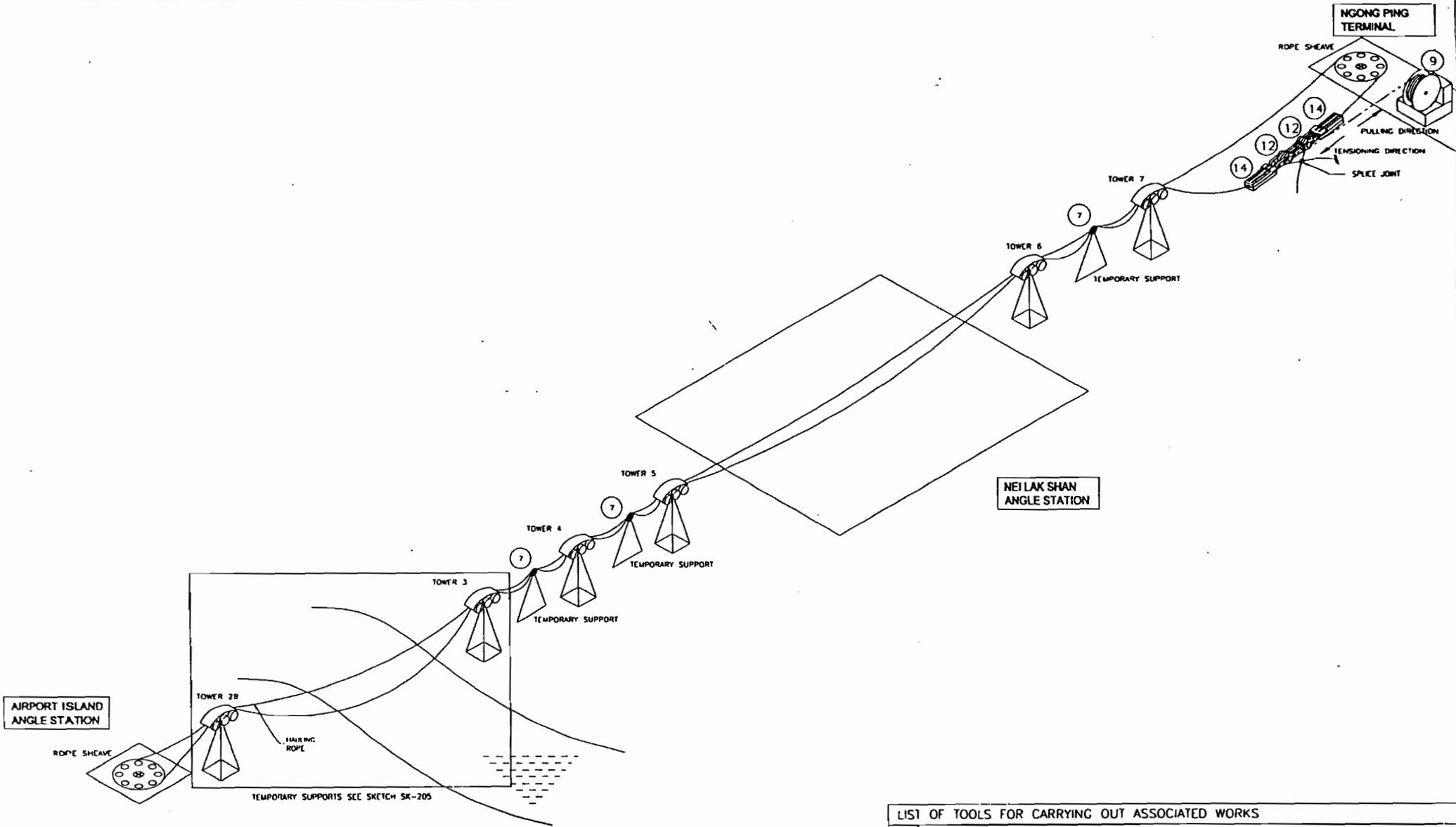
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DETAIL A

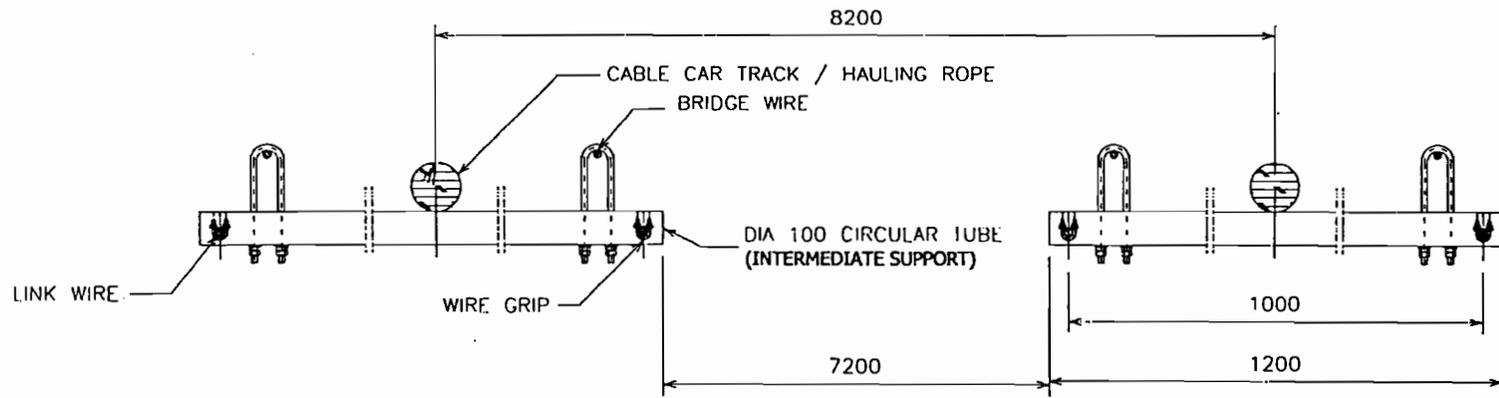
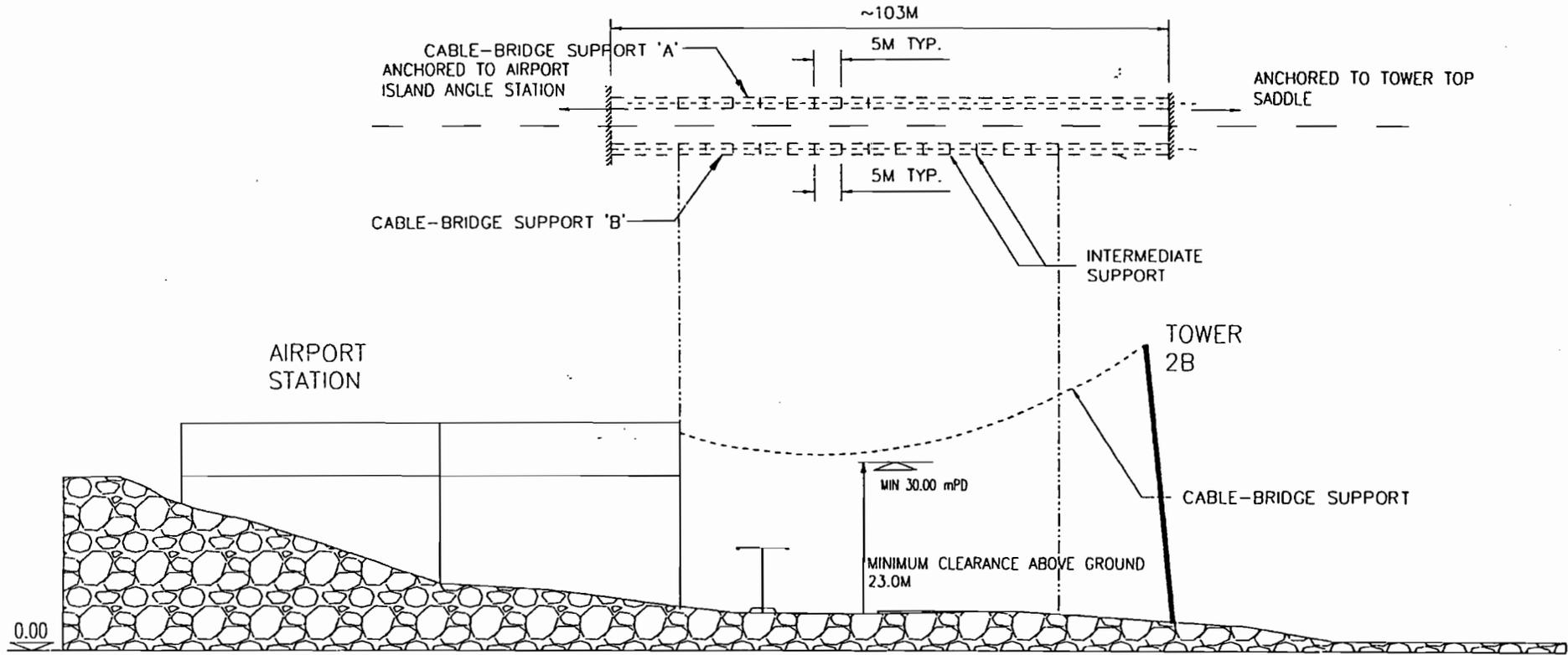


LIST OF TOOLS FOR CARRYING OUT ASSOCIATED WORKS	
11	CAMP HOSES SET
9	UNIVERSAL WINCH
8	CONNECTOR
7	GUIDE ROLLERS
5	DIESEL-HYDRAULIC POWER UNIT
3	CAPSTAN WINCH
2	SPOOLING WINCH
ITEM	TOOL DESCRIPTION
HAULING ROPE - PULLING IN ACTION (AIAS-NPT)	
SKETCH NO: SK-205	



LIST OF TOOLS FOR CARRYING OUT ASSOCIATED WORKS	
14	ROPE CLIP
12	PULLY BLOCK SET
9	UNIVERSAL WINCH
7	GUIDE ROLLERS
ITEM	TOOL DESCRIPTION

HAULING ROPE - TENSIONING IN ACTION (AIAS-NPT)
 SKETCH NO: SK-206

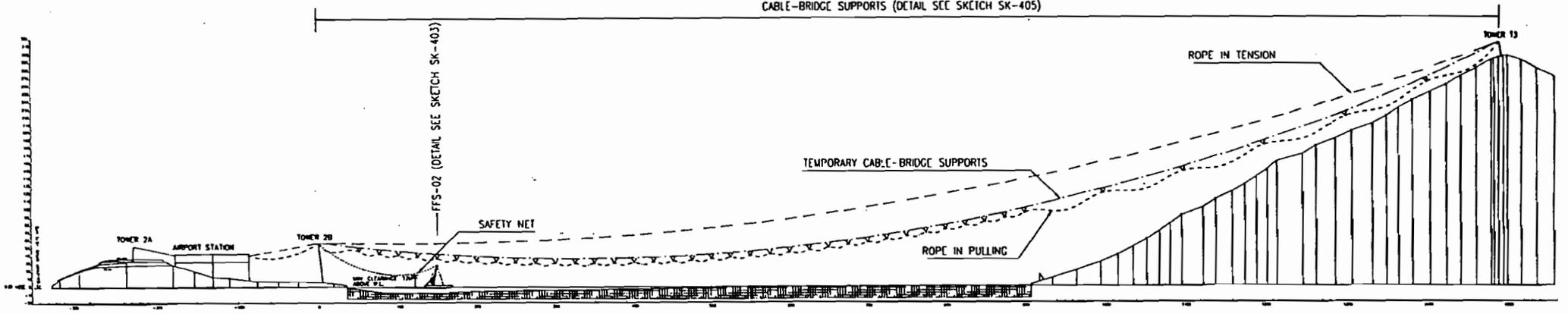


AIAS-T2B TEMPORARY SUPPORT DETAIL
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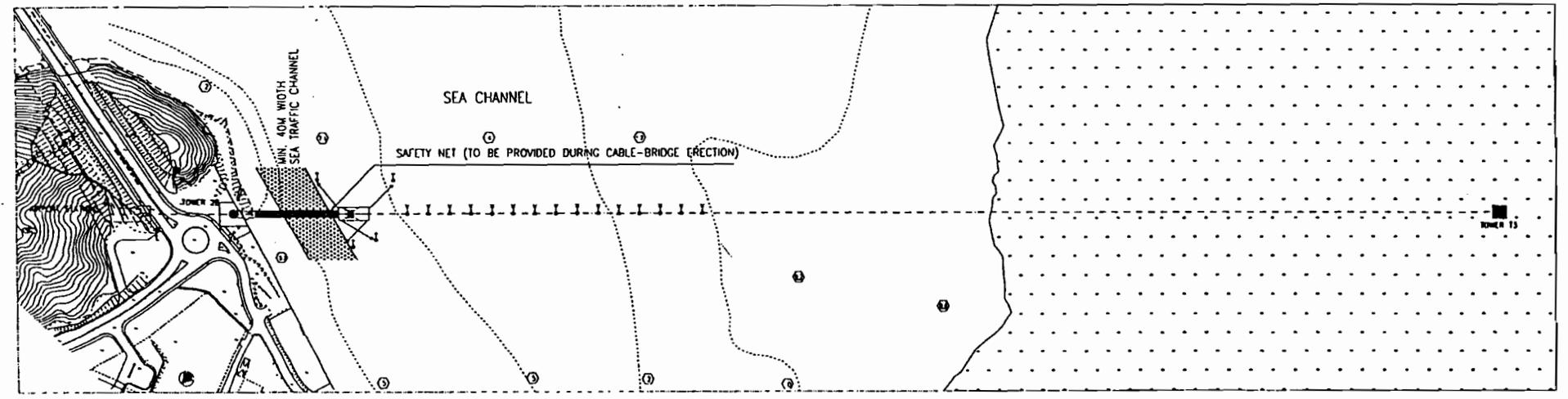
LEGEND

SUPPORT TYPE	DESCRIPTION
FSF	FIXED SUPPORTING FRAME
SSF	SEA-SUMMITTABLE SUPPORTING FRAME
FFS	FREE FLOWING SUPPORT
⊙	DEPTH MEASURED IN METRE AND REDUCED BELOW SEA-CHART DATUM
⊕	DIVING HEIGHT ABOVE SEA-CHART DATUM
•	SAWYER / ANCHOR
⊥	ANCHOR BUIY
⊥	MARKER BUIY

CABLE-BRIDGE SUPPORTS (DETAIL SEE SKETCH SK-405)

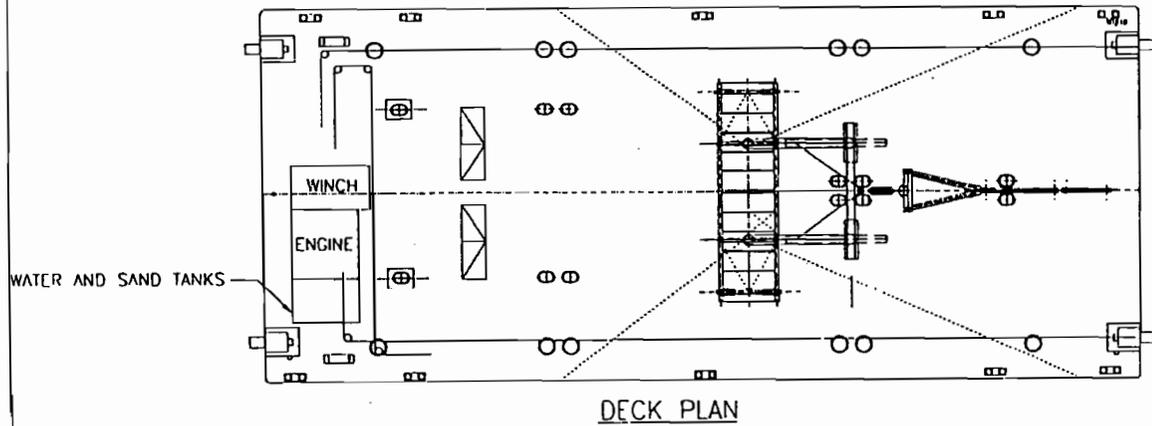
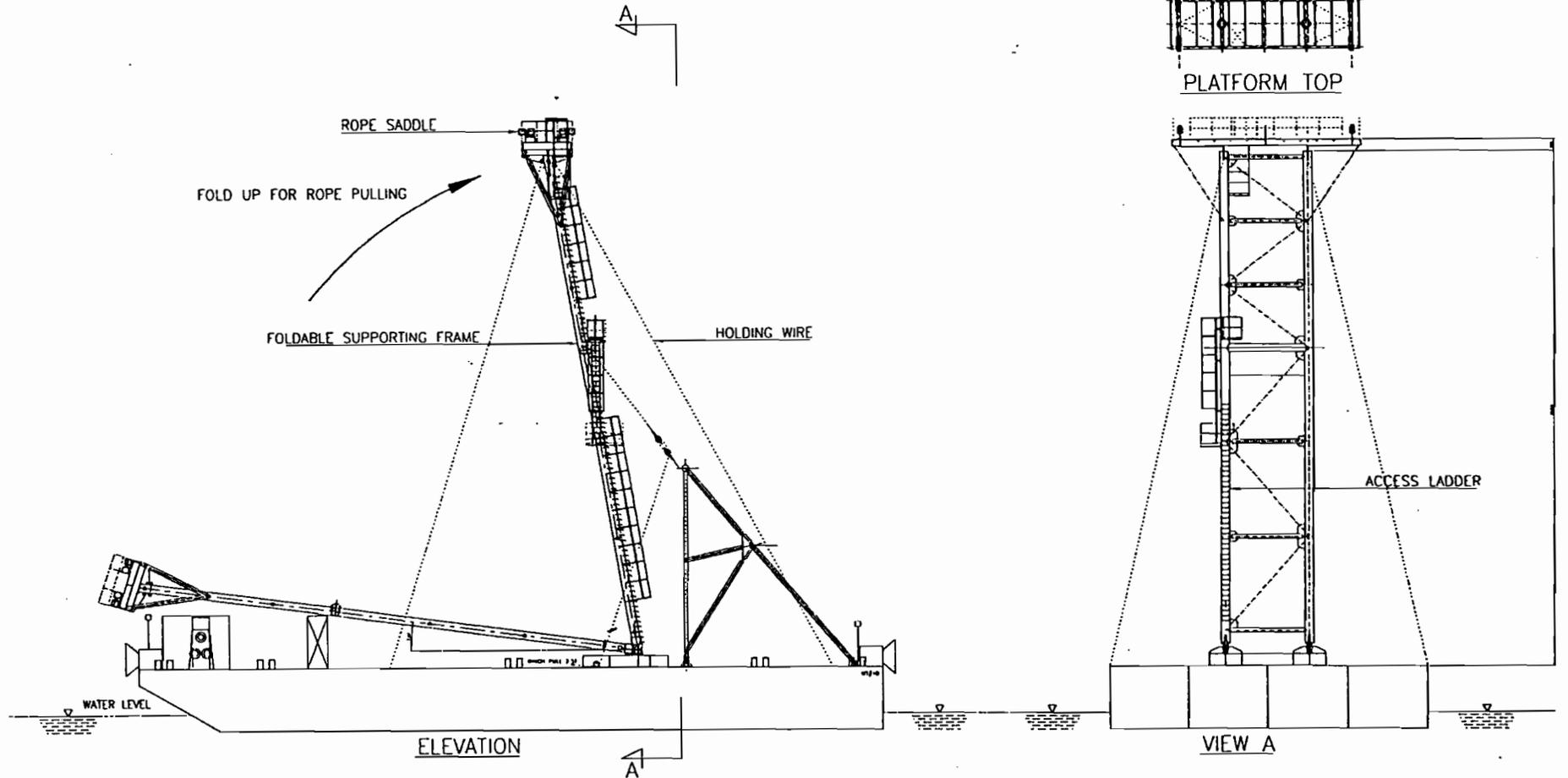


ELEVATION



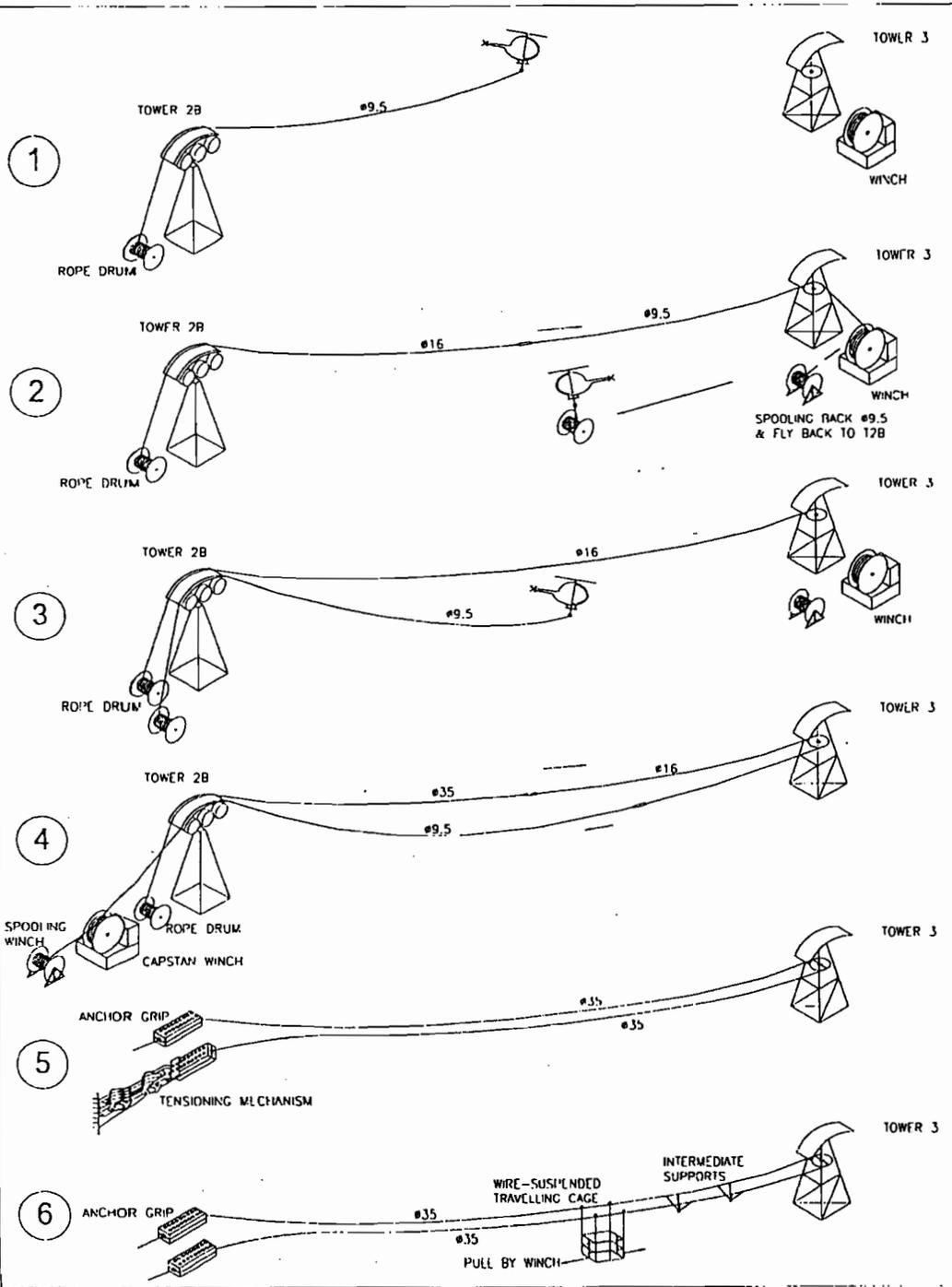
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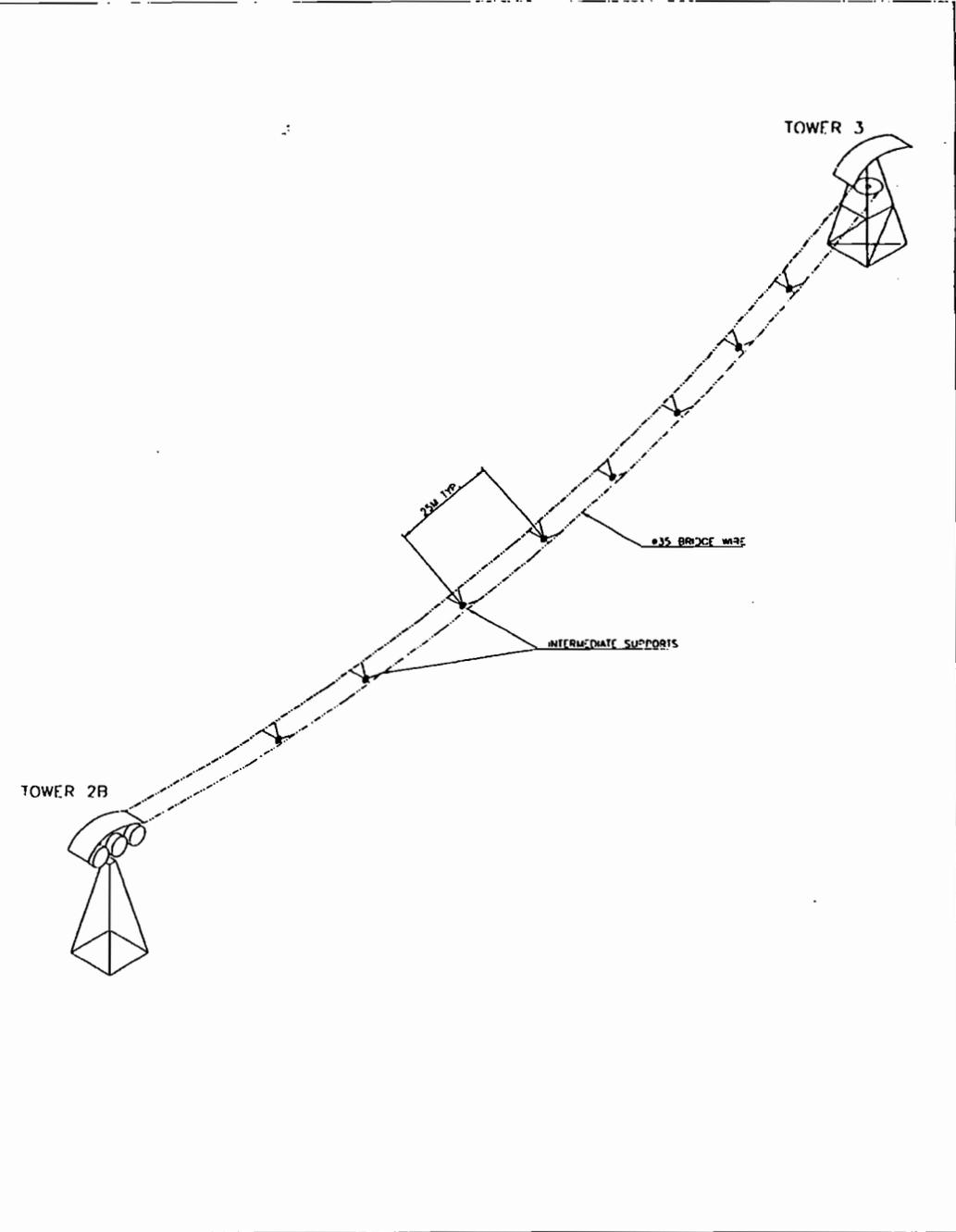


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 BREADTH: 15.24 M
 DEPTH: 3.05 M

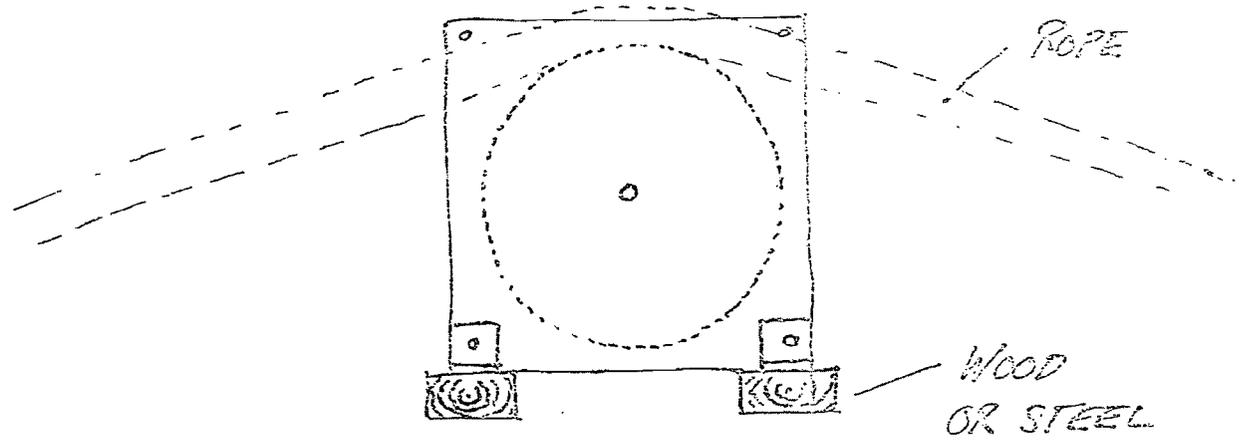
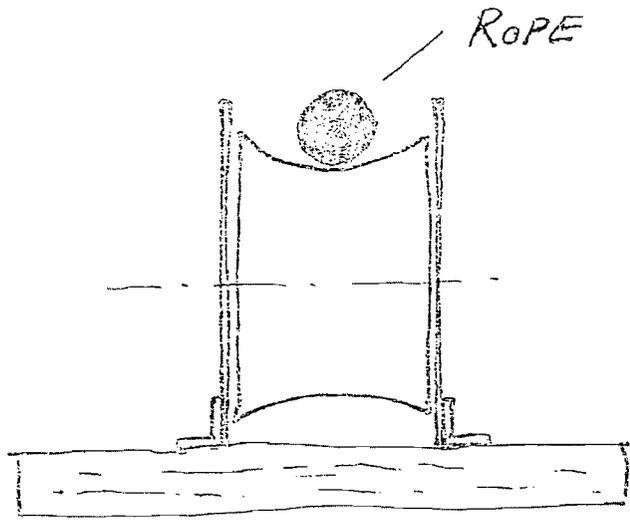
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CABLE-BRIDGE SUPPORTS ERECTION SEQUENCE

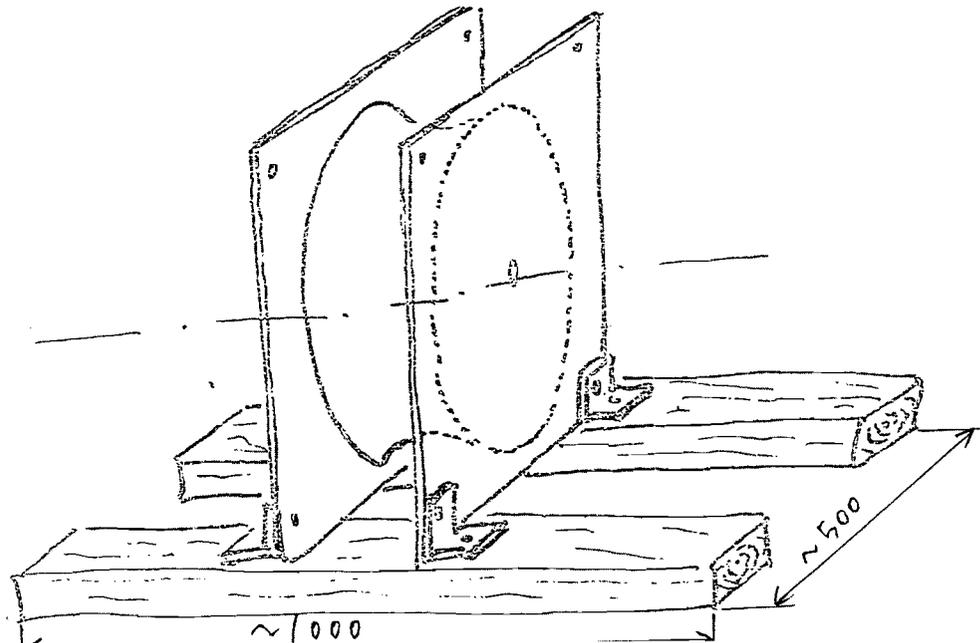


T2B-T3 TEMPORARY CABLE-BRIDGE SUPPORT
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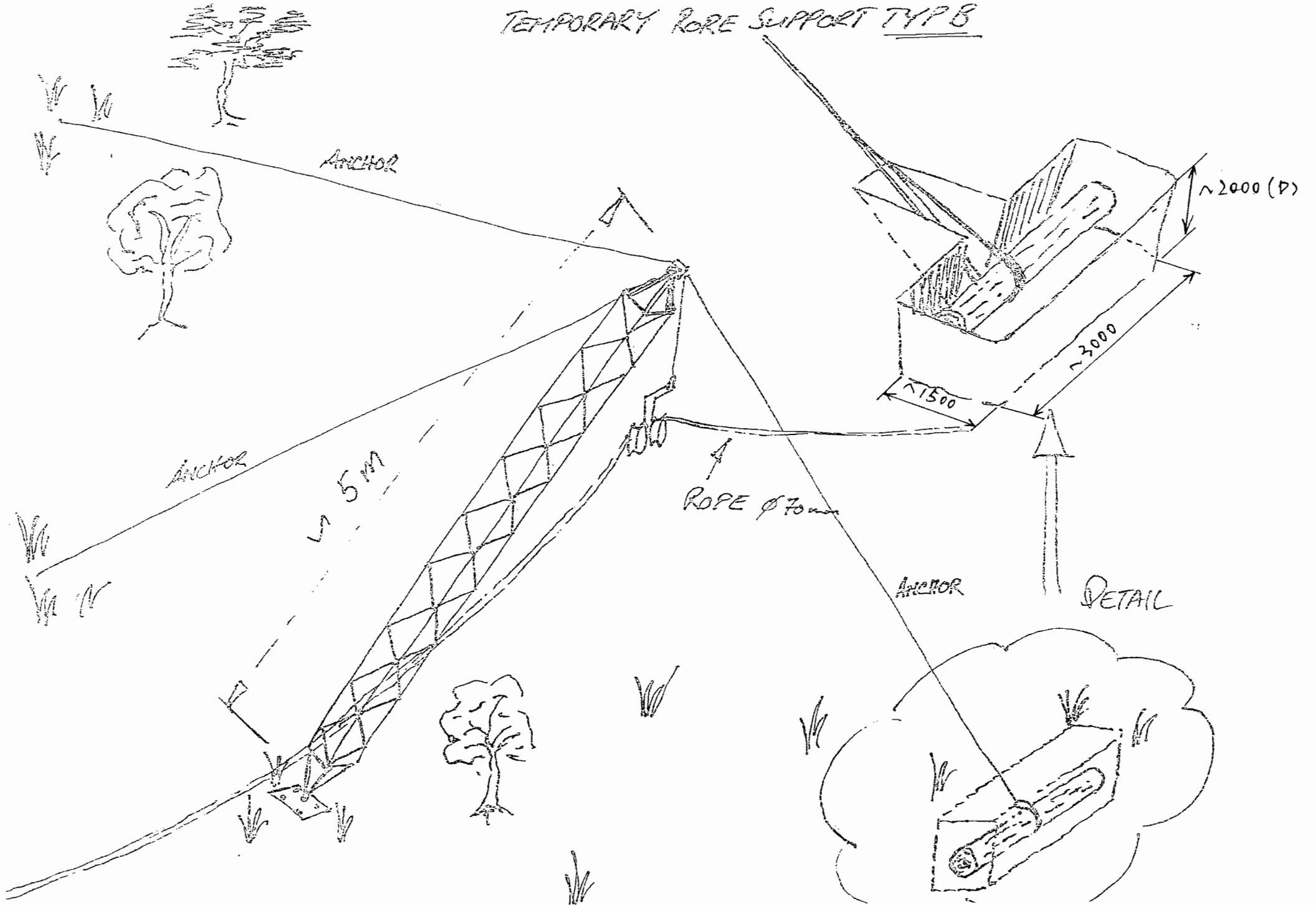


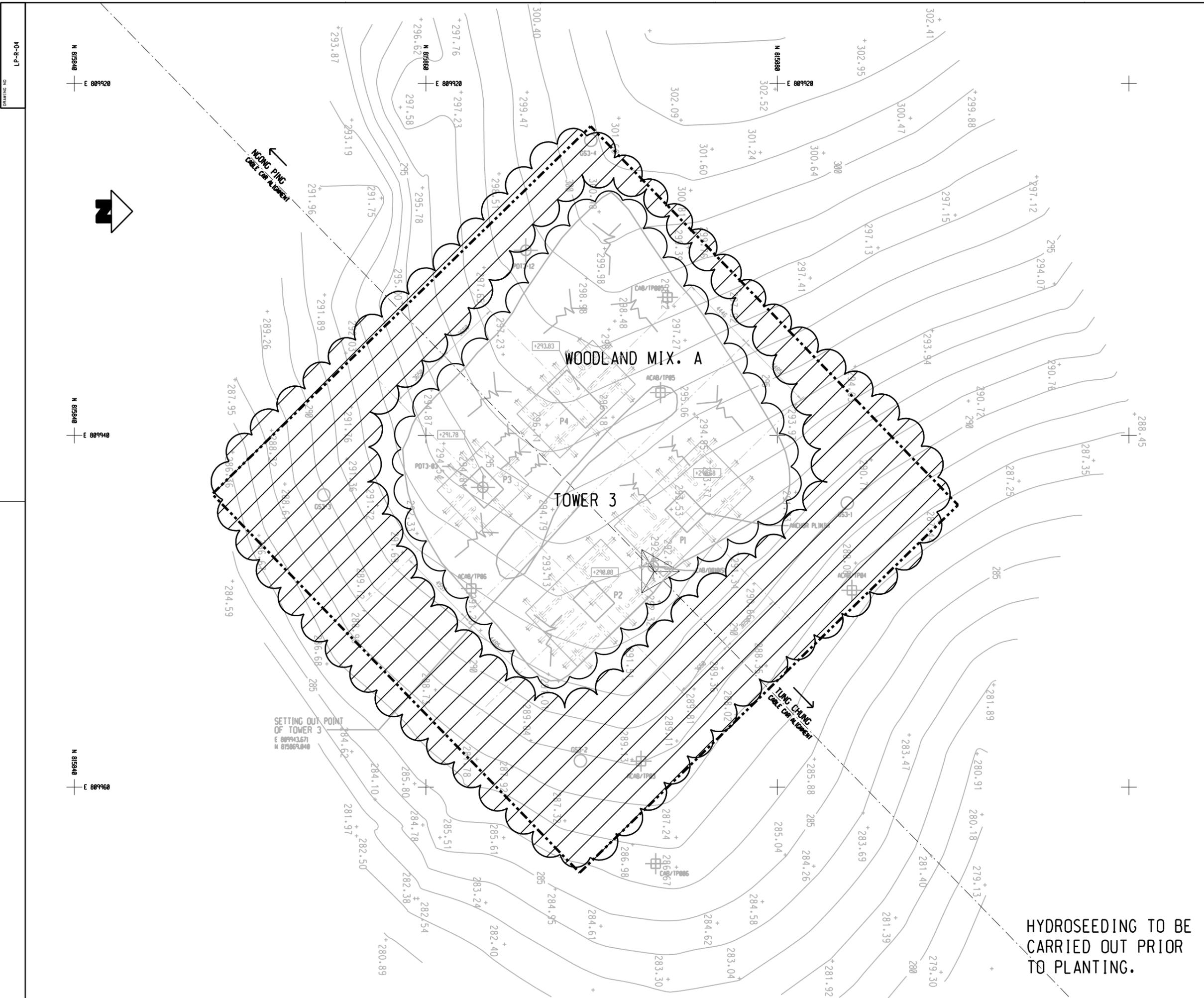
TEMPORARY ROPE SUPPORT

TYP A



TEMPORARY ROPE SUPPORT TYP B





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- LEGENDS:**
- WORKS SITE
 - NEW TREE PLANTING
 - ⊗ RETAINED TREE
 - ⊗ TRANSPLANTED TREE
 - ☁ PLANTING AREA
 - ▨ RETAINED WOODLAND

NOTES:

ALL AREAS TO BE HYDROSEED PRIOR TO PLANTING WORKS TO ASSIST EROSION CONTROL. HYDROSEED MIX TO CONSIST OF CYNODON DACTYLON + PASPALUM NOTATUM. (THERE IS TO BE NO GREEN DYE OR TERRAM COVER TO BE USED WITHIN COUNTRY PARK TO AVOID ANY POLLUTANTS TO PARK)

WOODLAND PLANTINGS MIX TO EXTEND INTO SURROUNDING HABITAT TO PROVIDE NATURAL TRANSITION.

PLANT SCHEDULE:

Woodland mix 'A'

Shrubs	Botanical Name	Size(mm)Ht.
Ga	Gordonia axillaris	1000mm
Scs	Schima Superba	1000mm
Rt	Rhodomyrtus tomentosa	1000mm
Ms	Melastoma sanguineum	1000mm
Bf	Baeckea frutescens	1000mm
Dp	Dicranopteris pedata	1000mm

Woodland mix 'B'

Shrubs	Botanical Name	Size(mm)Ht.
Sd	Sapium discolor	1000mm
Rc	Rhus chinensis	1000mm
Ls	Litsea rotundifolia	1000mm
Mch	Machilus chinensis	1000mm

Woodland mix 'C'

Shrubs	Botanical Name	Size(mm)Ht.
Mc	Melastoma candidum	1000mm
Mpan	Microcos paniculata	1000mm
Ri	Rhaphiolepis indica	1000mm
Ss	Sapium sebiferum	1000mm
Sh	Scheffiera heptaphylla	1000mm
Mp	Mallotus paniculatus	1000mm

REVISION	DESCRIPTION	BY	DATE	APPROVED

前田建設工業株式会社
 Maeda Corporation
 1001-5 NEW EAST OCEAN CENTRE
 9 SCIENCE MUSEUM ROAD
 T.S.T. EAST, KOWLOON, HONG KONG
 TEL.: 2589 6287 FAX: 2724 4084

地鐵公司
 MTR Corporation
 MTR TOWER
 TELFORD PLAZA - KOWLOON BAY
 HONG KONG
 TEL.: 2883 2111 FAX: 2798 8822

東涌吊車
 TUNG CHUNG CABLE CAR
 凱達柏濶有限公司
 Aedas Limited

PROJECT		東涌吊車 TUNG CHUNG CABLE CAR	
ORIGINATOR		凱達柏濶有限公司 Aedas Limited	
TITLE			
TOWER 3 LANDSCAPE PLANTING PLAN			
SCALE	1 : 100 @ A1	CAD REF.	AS BUILT APPROVED
DATE	APR. 2005	AS BUILT DWG NO.	
DRAWN	WL	DESIGNED	JW
CHECKED	JW	APPROVED	SF
DRAWING NO.		LP-R-04	
REV		A	

HYDROSEEDING TO BE CARRIED OUT PRIOR TO PLANTING.

DRAWING NO.

LP-R-09

E 809150

E 809200

E 809250

N 815090

N 815130

N 815180

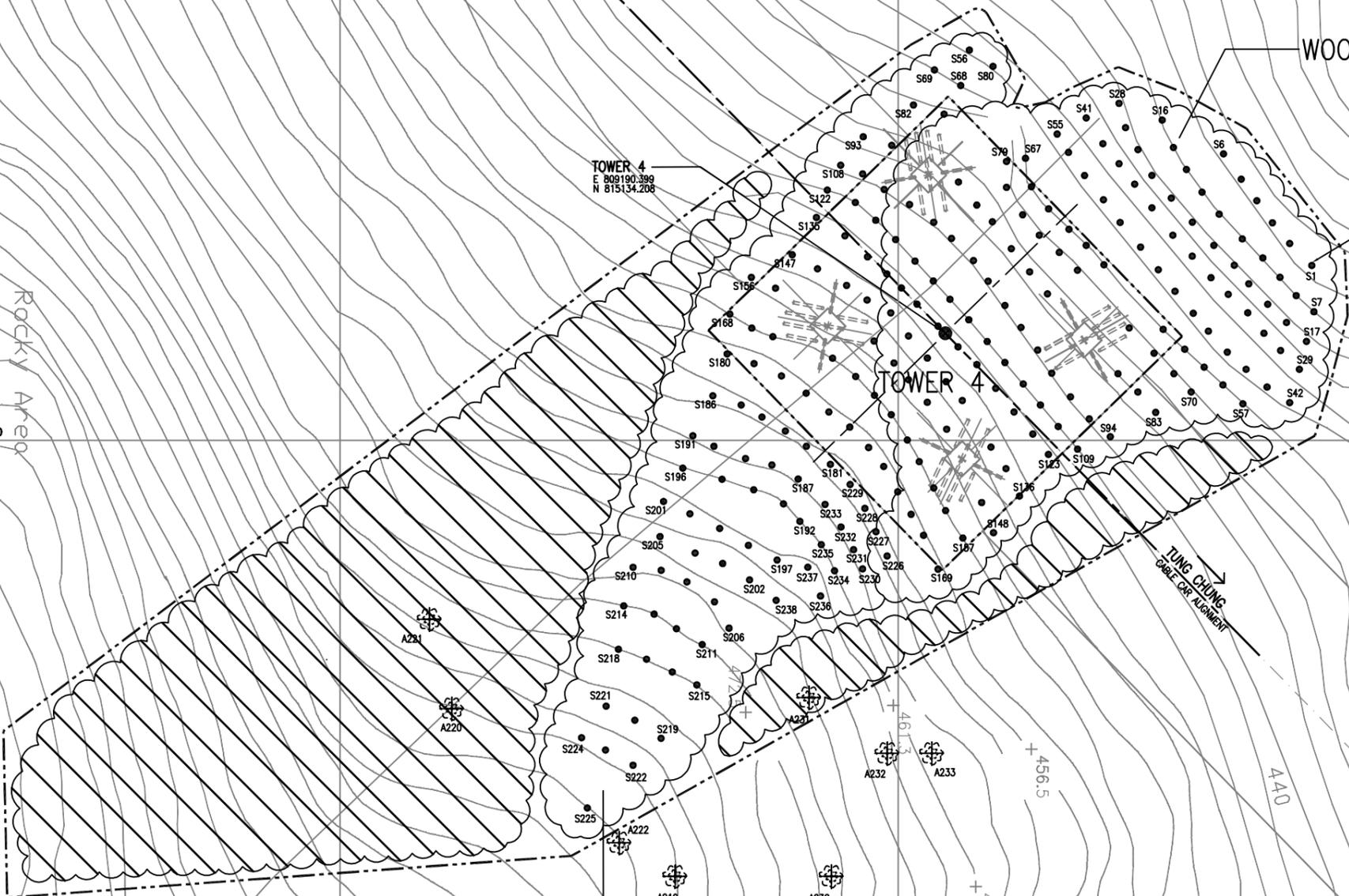


← NGONG PING
CABLE CAR ALIGNMENT

→ TUNG CHUNG
CABLE CAR ALIGNMENT

PARK

Rocky Area



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LEGEND:

- WORKS SITE
- NEW TREE PLANTING
- ⊗ RETAINED TREE
- ⊗ TRANSPLANTED TREE
- ☁ PLANTING AREA
- ▨ RETAINED WOODLAND
- S1 LOCATION OF SOIL NAIL
- P4 TOWER BASE NO.
- ⊗ A219 PROTECTED TREES

NOTES:

ALL AREAS TO BE HYDROSEED PRIOR TO PLANTING WORKS TO ASSIST EROSION CONTROL. HYDROSEED MIX TO CONSIST OF CYNODON DACTYLON + PASPALUM NOTATUM. (THERE IS TO BE NO GREEN DYE OR TERRAM COVER TO BE USED WITHIN COUNTRY PARK TO AVOID ANY POLLUTANTS TO PARK)

PLANT SCHEDULE:

Woodland mix 'A'		
Shrubs	Botanical Name	Size(mm)Ht.
Ga	Gordonia axillaris	1000mm
Scs	Schima Superba	1000mm
Rt	Rhodomyrtus tomentosa	1000mm
Ms	Melastoma sanguineum	1000mm
Bf	Baeckea frutescens	1000mm
Dp	Dicranopteris pedata	1000mm

Woodland mix 'B'		
Shrubs	Botanical Name	Size(mm)Ht.
Sd	Sapium discolor	1000mm
Rc	Rhus chinensis	1000mm
Ls	Litsea rotundifolia	1000mm
Mch	Machilus chinensis	1000mm

Woodland mix 'c'		
Shrubs	Botanical Name	Size(mm)Ht.
Mc	Melastoma candidum	1000mm
Mpan	Microcos paniculata	1000mm
Ri	Rhaphiolepis indica	1000mm
Ss	Sapium sebiferum	1000mm
Sh	Schefflera heptaphylla	1000mm
Mp	Mallotus paniculatus	1000mm

REVISION	DESCRIPTION	BY	DATE	APPROVED

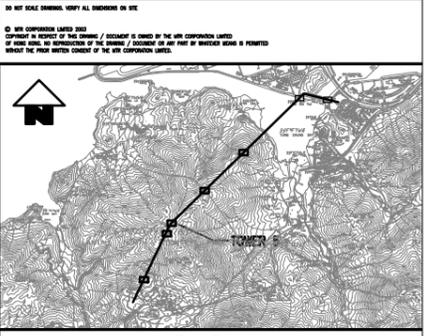
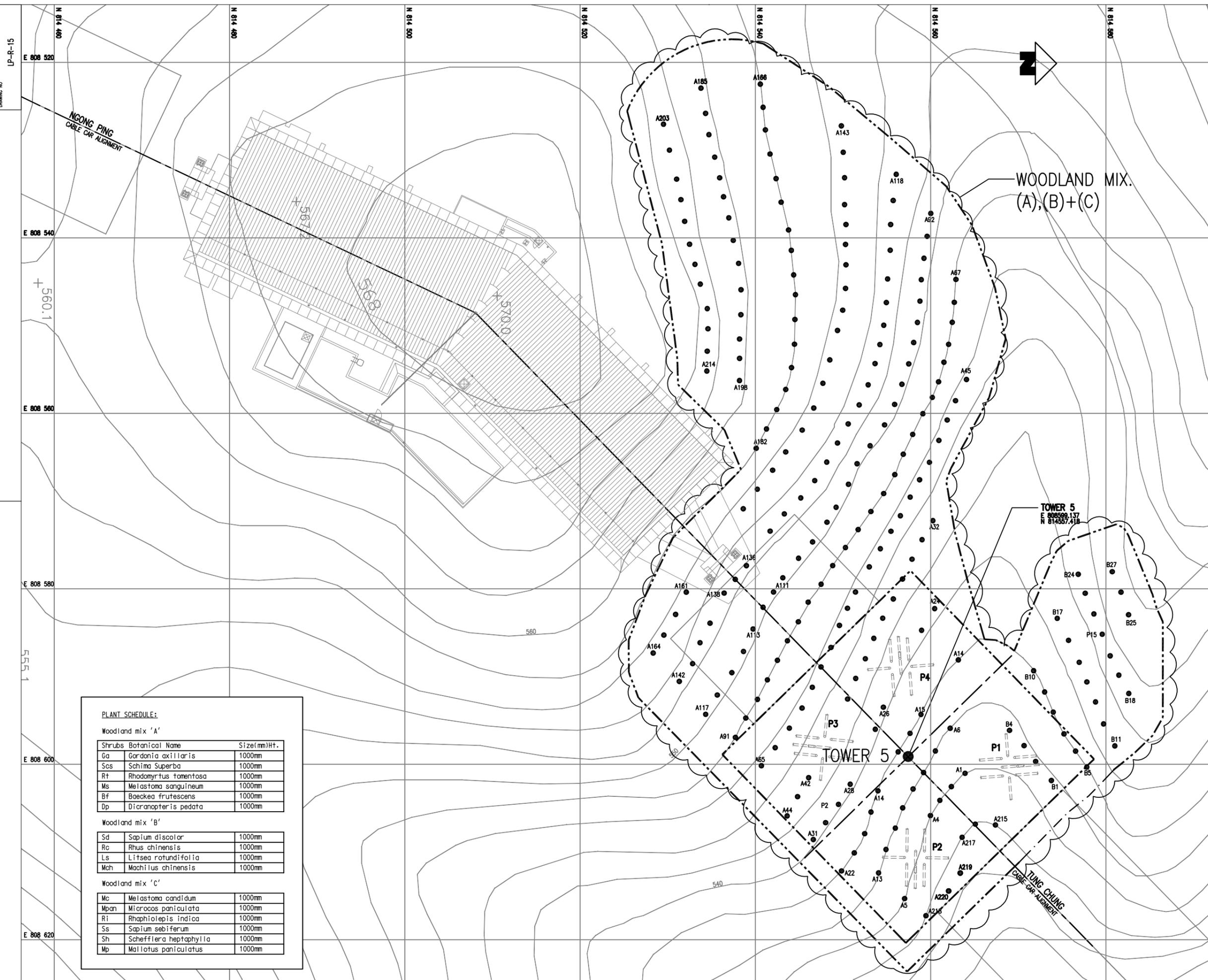
地鐵公司
MTR Corporation
 MTR TOWER
 TELFORD PLAZA - KOWLOON BAY
 HONG KONG
 TEL : 2993 2111 FAX : 2798 8822

TUNG CHUNG CABLE CAR

CONTRACTOR **MAEDA CORPORATION**
 ORIGINATOR

TITLE
TOWER 4
LANDSCAPE PLANTING PLAN

SCALE	1 : 250	CAD REF	AS BUILT APPROVED
DATE	14A MAY 2004	DWG NO	
DRAWN	AL	DESIGNED	JH
CHECKED	JH	APPROVED	ST
DRAWING NO			REV
LP-R-09			A



KEY PLAN

LEGEND:

- WORKS SITE
- NEW TREE PLANTING
- ⊗ RETAINED TREE
- ⊗ TRANSPLANTED TREE
- ☁ PLANTING AREA
- ▨ RETAINED WOODLAND
- S1 LOCATION OF SOIL NAIL
- P4 TOWER BASE NO.
- ⊕ A219 PROTECTED TREES

NOTES:

ALL AREAS TO BE HYDROSEED PRIOR TO PLANTING WORKS TO ASSIST EROSION CONTROL. HYDROSEED MIX TO CONSIST OF CYNODON DACTYLON + PASPALUM NOTATUM. (THERE IS TO BE NO GREEN DYE OR TERRAM COVER TO BE USED WITHIN COUNTRY PARK TO AVOID ANY POLLUTANTS TO PARK)

PLANT SCHEDULE:

Shrubs	Botanical Name	Size(mm)Ht.
Ga	Gordonia axillaris	1000mm
Scs	Schima Superba	1000mm
Rt	Rhodomyrtus tomentosa	1000mm
Ms	Melastoma sanguineum	1000mm
Bf	Baeckea frutescens	1000mm
Dp	Dicranopteris pedata	1000mm

Woodland mix 'B'		
Sd	Sapium discolor	1000mm
Rc	Rhus chinensis	1000mm
Ls	Litsea rotundifolia	1000mm
Mch	Machilus chinensis	1000mm

Woodland mix 'C'		
Mc	Melastoma candidum	1000mm
Mpan	Microcos paniculata	1000mm
Ri	Rhaphiolepis indica	1000mm
Ss	Sapium sebiferum	1000mm
Sh	Schefflera heptaphylla	1000mm
Mp	Mallotus paniculatus	1000mm

REVISION	DESCRIPTION	BY	DATE	APPROVED

MTR TOWER
 TELFORD PLAZA - KOWLOON BAY
 HONG KONG
 TEL : 2993 2111 FAX : 2798 8822

TUNG CHUNG CABLE CAR

CONTRACTOR

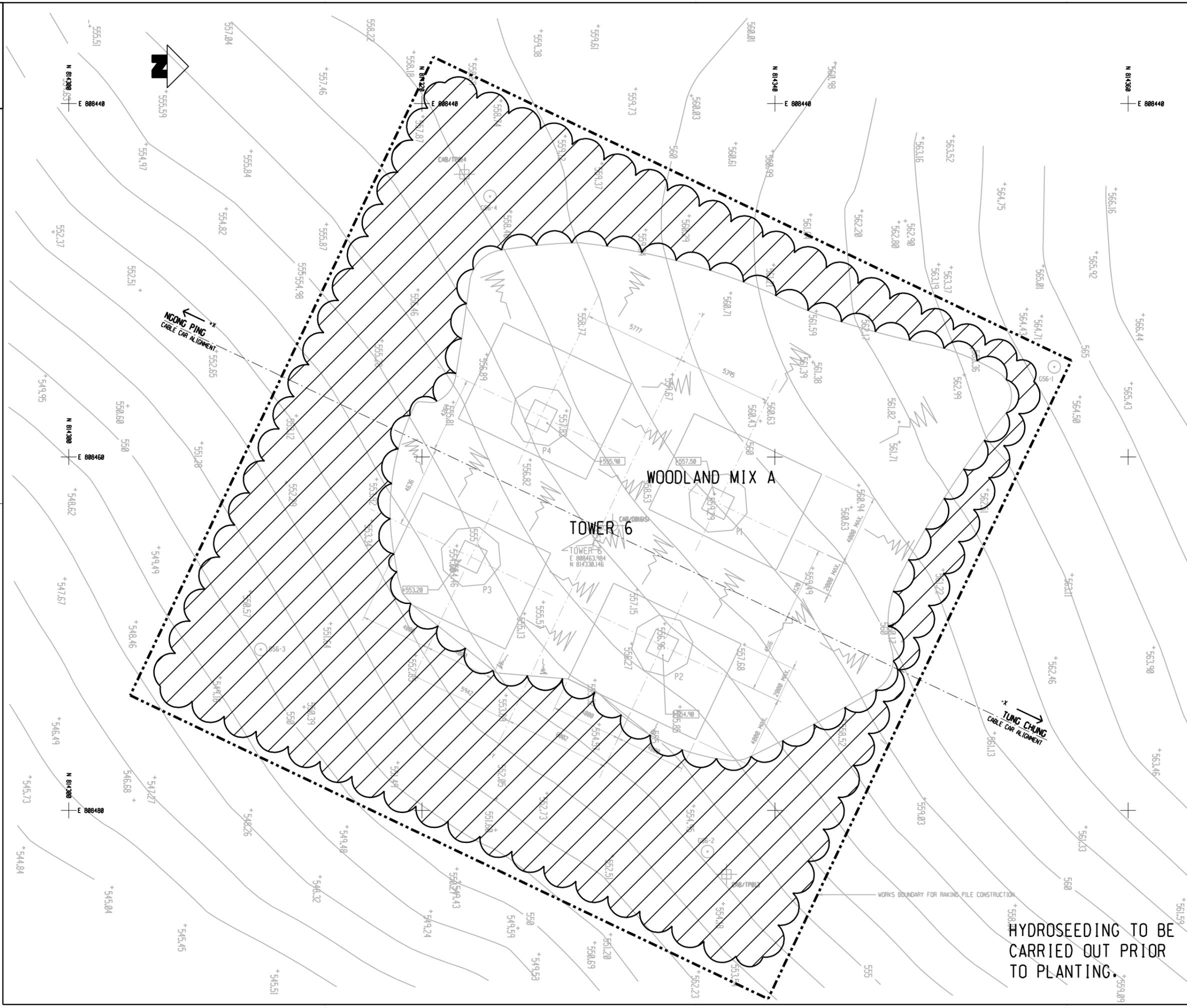
 MAEDA CORPORATION

ORIGINATOR

TITLE

TOWER 5
LANDSCAPE PLANTING PLAN

SCALE	1 : 200	CAD REF	AS BUILT
DATE	12 MAY 2004	DWG NO	AS BUILT APPROVED
DRAWN	DESIGNED	DRAWING NO	REV
CHECKED	APPROVED	LP-R-15	A



NO NET SCALE DIMENSIONS, VERIFY ALL DIMENSIONS ON SITE.
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DESIGNED BY: W.L. WONG / DESIGNED BY: J.W. WONG / AS BUILT BY: J.W. WONG
DRAWN BY: W.L. WONG / CHECKED BY: J.W. WONG / APPROVED BY: S.F. WONG

- LEGENDS:**
- WORKS SITE
 - NEW TREE PLANTING
 - RETAINED TREE
 - TRANSPLANTED TREE
 - PLANTING AREA
 - RETAINED WOODLAND

NOTES:

ALL AREAS TO BE HYDROSEEDING PRIOR TO PLANTING WORKS TO ASSIST EROSION CONTROL. HYDROSEED MIX TO CONSIST OF CYNODON DACTYLON + PASPALUM NOTATUM. (THERE IS TO BE NO GREEN DYE OR TERRAM COVER TO BE USED WITHIN COUNTRY PARK TO AVOID ANY POLLUTANTS TO PARK)

SELECTED WOODLAND PLANTING MIX TO COVER SOIL NAIL AREA.

PLANT SCHEDULE:
Woodland mix 'A'

Shrubs	Botanical Name	Size(mm)HT.
Ga	Gordonia axillaris	1000mm
Scs	Schima Superba	1000mm
Rt	Rhodomyrtus tomentosa	1000mm
Ms	Melastoma sanguineum	1000mm
Bf	Baeckea frutescens	1000mm
Dp	Dicranopteris pedata	1000mm

Woodland mix 'B'

Sd	Sapium discolor	1000mm
Rc	Rhus chinensis	1000mm
Ls	Litsea rotundifolia	1000mm
Mch	Machilus chinensis	1000mm

Woodland mix 'C'

Mc	Melastoma candidum	1000mm
Mpan	Microcos paniculata	1000mm
Ri	Raphiolepis indica	1000mm
Ss	Sapium sebiferum	1000mm
Sh	Schefflera heptaphylla	1000mm
Mp	Mallotus paniculatus	1000mm

REVISION	DESCRIPTION	BY	DATE	APPROVED

前田建設工業株式会社
Maeda Corporation
 1901-5 NEW EAST OCEAN CENTRE
 9 SCIENCE MUSEUM ROAD
 T.S.T. EAST, KOWLOON, HONG KONG
 TEL : 2989 6287 FAX : 2724 4084

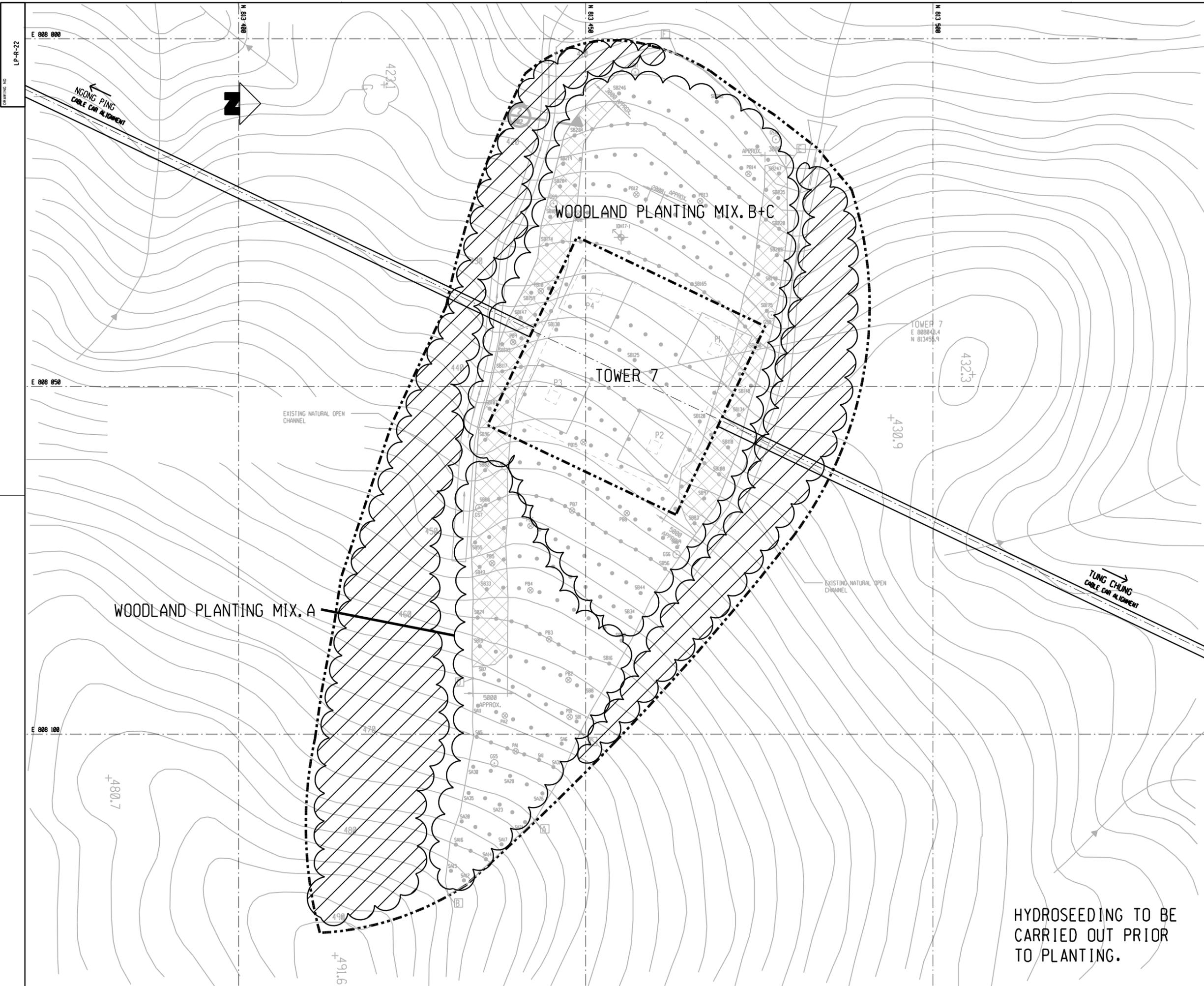
地鐵公司
MTR Corporation
 MTR TOWER
 TELFORD PLAZA - KOWLOON BAY
 HONG KONG
 TEL : 2988 2111 FAX : 2798 8822

東涌吊車
TUNG CHUNG CABLE CAR
凱達柏濶有限公司
Aedas Limited

PROJECT: TOWER 6
ORIGINATOR: Aedas Limited
TITLE: TOWER 6 LANDSCAPE PLANTING PLAN

SCALE	1 : 100 @ A1	CAD REF	AS BUILT APPROVED
DATE	APR. 2005	AS BUILT DWG NO	
DRAWN	WL	DESIGNED JW	DRAWING NO LP-R-17
CHECKED	JW	APPROVED SF	REV A

HYDROSEEDING TO BE CARRIED OUT PRIOR TO PLANTING.



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- LEGENDS:**
- WORKS SITE
 - NEW TREE PLANTING
 - RETAINED TREE
 - ⊗ TRANSPLANTED TREE
 - ☁ PLANTING AREA
 - ▨ RETAINED WOODLAND

NOTES:

ALL AREAS TO BE HYDROSEEDING PRIOR TO PLANTING WORKS TO ASSIST EROSION CONTROL. HYDROSEED MIX TO CONSIST OF CYNODON DACTYLON + PASPALUM NOTATUM. (THERE IS TO BE NO GREEN DYE OR TERRAM COVER TO BE USED WITHIN COUNTRY PARK TO AVOID ANY POLLUTANTS TO PARK)

NATIVE PLANTING TO BLEND WITH EXISTING ENVIRONMENT.

SELECTED WOODLAND PLANTING MIX TO COVER SOIL NAIL AREA.

PLANT SCHEDULE:

Woodland mix 'A'

Shrubs	Botanical Name	Size(mm)Ht.
Ga	Gordonia axillaris	1000mm
Scs	Schima Superba	1000mm
Rt	Rhodomyrtus tomentosa	1000mm
Ms	Melastoma sanguineum	1000mm
Bf	Baeckea frutescens	1000mm
Op	Dicranopteris pedata	1000mm

Woodland mix 'B'

Sd	Sapium discolor	1000mm
Rc	Rhus chinensis	1000mm
Ls	Litsea rotundifolia	1000mm
Mch	Machilus chinensis	1000mm

Woodland mix 'C'

Mc	Melastoma candidum	1000mm
Mpan	Microcos paniculata	1000mm
Ri	Raphiolepis indica	1000mm
Ss	Sapium sebiferum	1000mm
Sh	Schefflera heptaphylla	1000mm
Mp	Mallotus paniculatus	1000mm

REVISION	DESCRIPTION	BY	DATE	APPROVED
前田建設工業株式会社 Maeda Corporation 1001-5 NEW EAST OCEAN CENTRE 9 SCIENCE MUSEUM ROAD T.S.T. EAST, KOWLOON, HONG KONG TEL : 2268 6267 FAX : 2264 4064				
地鐵公司 MTR Corporation MTR TOWER TELFORD PLAZA - KOWLOON BAY HONG KONG TEL : 2988 2111 FAX : 2798 8822				

PROJECT 東涌吊車
TUNG CHUNG CABLE CAR

ORIGINATOR 凱達柏濶有限公司
Aedas Limited

TITLE
 TOWER 7
 LANDSCAPE PLANTING PLAN

SCALE	1 : 250 @ A1	CAD REF		AS BUILT APPROVED
DATE	APR. 2005	AS BUILT DWG NO		
DRAWN	WL	DESIGNED	JW	DRAWING NO LP-R-22
CHECKED	JW	APPROVED	SF	REV A

HYDROSEEDING TO BE CARRIED OUT PRIOR TO PLANTING.