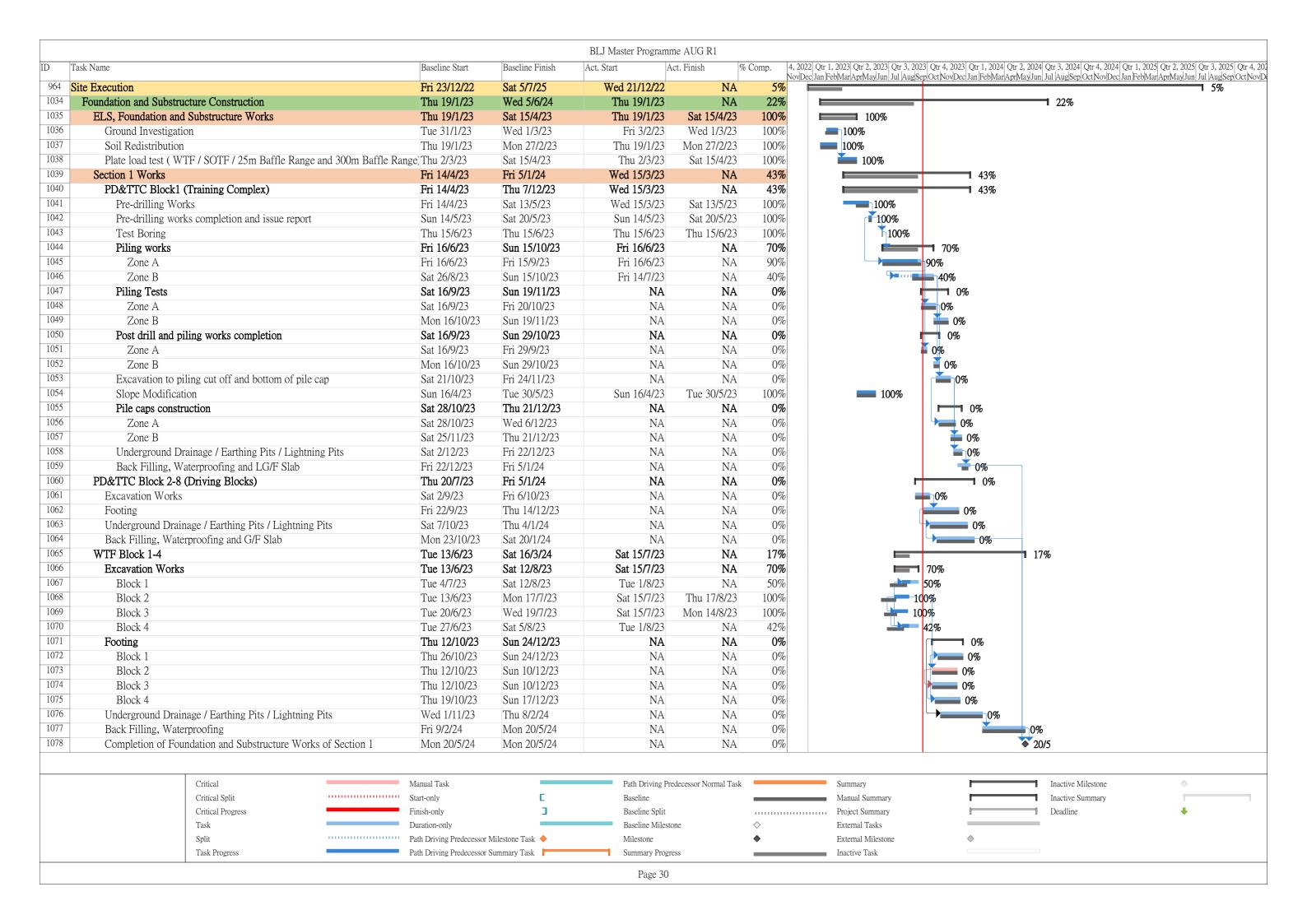
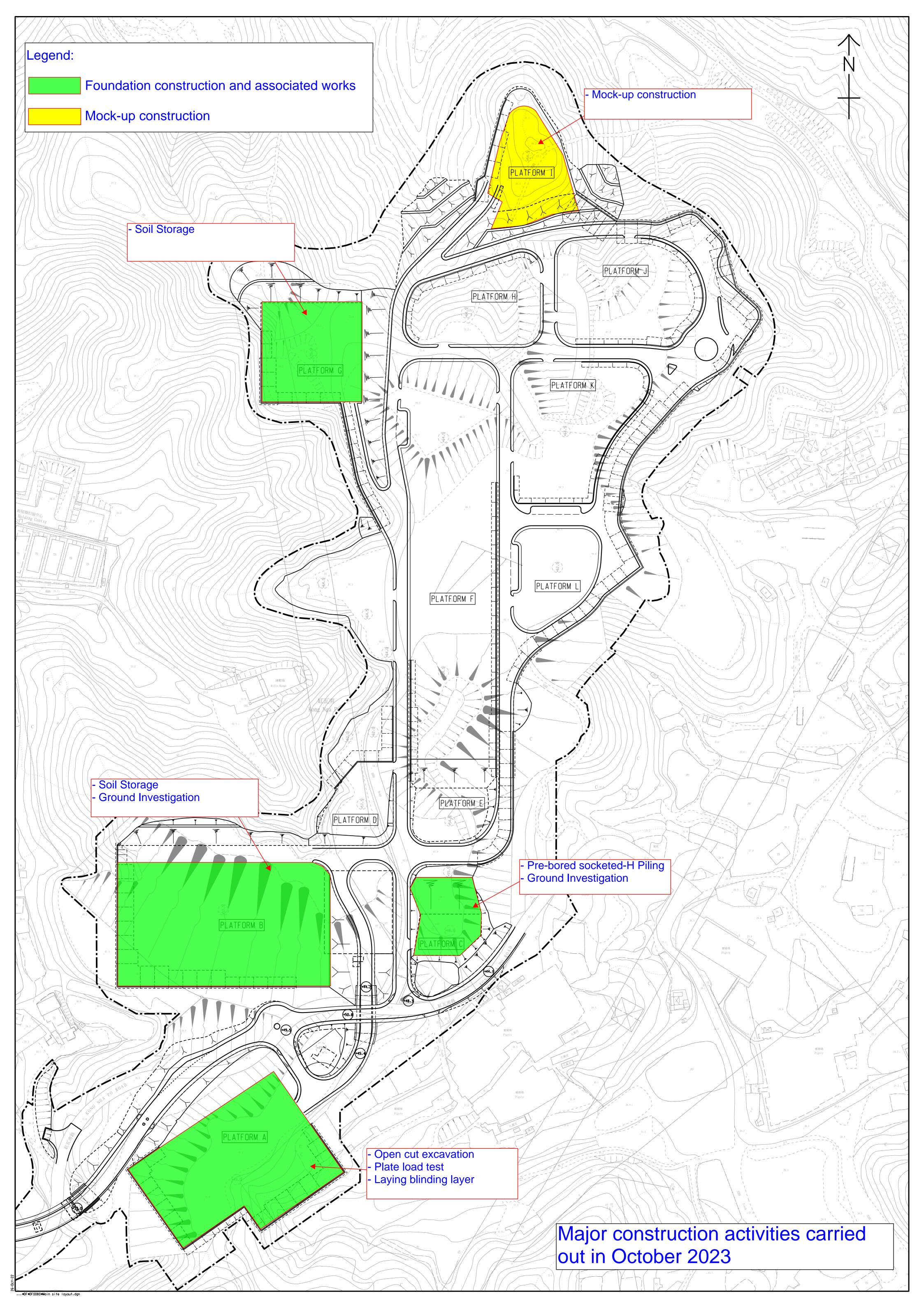
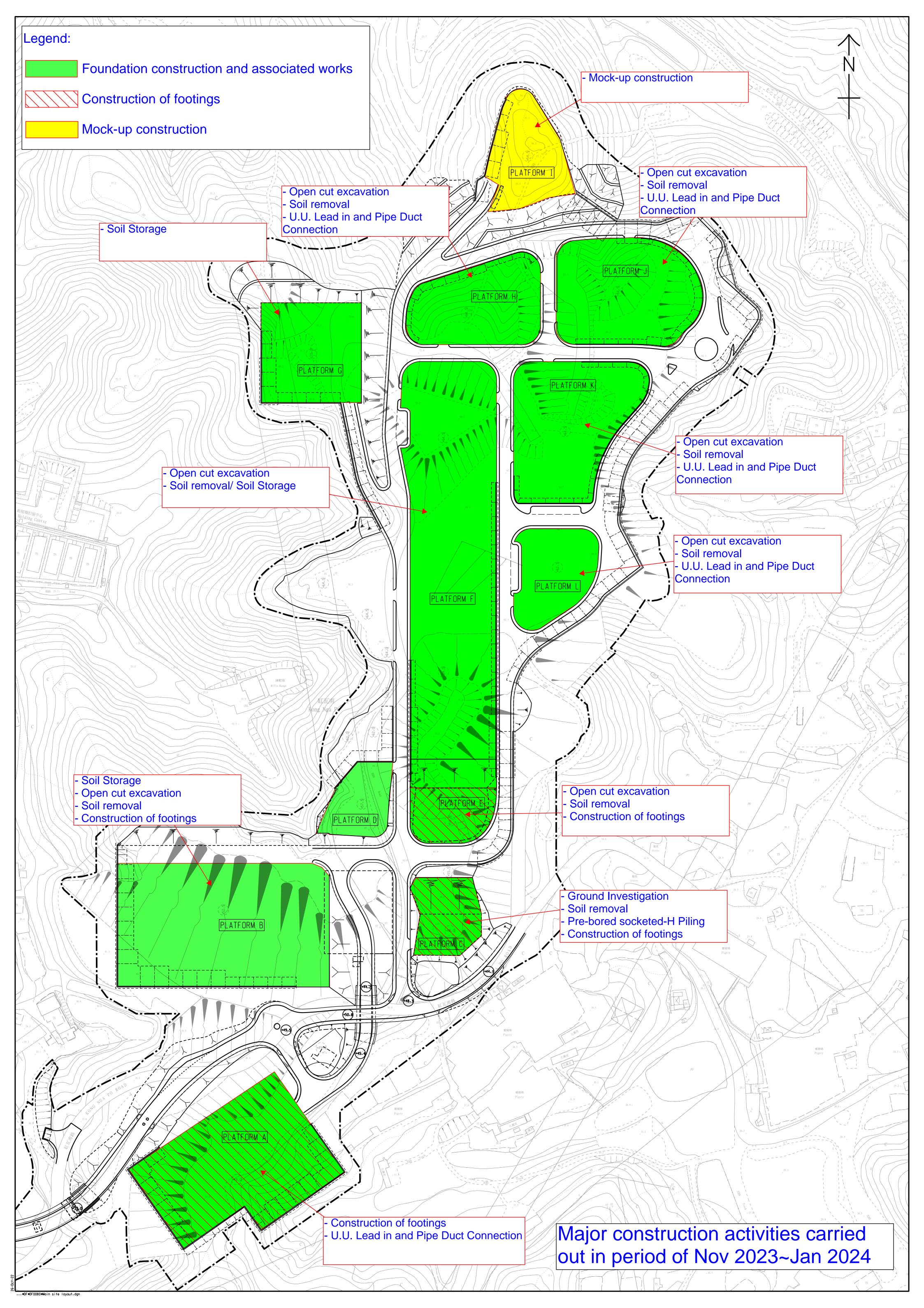
# APPENDIX A CONSTRUCTION PROGRAMME AND PROACTIVE ENVIRONMENTAL PROTECTION PROFORMA

Construction Programme (Nov 2023 – Jan 2024)



# Layout Plan with major construction activities





#### Proactive Environmental Protection Proforma

## Design and Construction of Kong Nga Po Police Training Facilities <u>Proactive Environmental Protection Proforma</u>

Ref*	Proposed	Location/Working	Anticipated Major	Recommended Mitigation Measures
	Construction		Impacts	
	Method			
EIA 3.9.1; EM&A Log 2.2	Open cut excavation	Kong Nga Po Site	Dust impact from excavation activities and earth moving	<ul> <li>times per day) at all active works area exposed site surfaces and unpaved roads, particularly during dry weather</li> <li>Deploy water bowser for regular water spraying to enhance dust suppression</li> <li>Manual water spraying for dusty operation where inaccessible by water bowser</li> </ul>
				<ul> <li>Speed control of site transportation</li> <li>Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust</li> <li>Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site</li> <li>Wheel washing facilities will be provided and cleaning the wheel of all vehicles before leaving the site</li> </ul>
EIA 4.4.6;			Noise Control	Regular inspection and maintenance of plant & equipment in
EM&A Log 3.2				good condition

Working Period: Nov 2023 to Jan 2024

	Working in Restricted Hours	<ul> <li>Enclose the noisy part of machineries with noise enclosure</li> <li>Adopt of Quality Powered Mechanical Equipment (QPME) if possible</li> <li>Valid construction noise permit should be obtained and displayed on site</li> <li>In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out</li> </ul>
EIA 5.6.1.2;	Water Pollution	Cover the stockpiles of construction materials to reduce the
EM&A Log 4.2	Control	potential for water pollution
		Provide wastewater treatment facilities prior to discharge of wastewater
		Regular inspection and maintenance of wastewater treatment facilities
		Wastewater pumped out of the excavation areas will be treated to remove suspended solids prior to discharge
		Hard paving or well-compact of main haul road to minimize washout of soil
		Wheels of all vehicles and plants will be cleaned before
		leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused
EIA 7.5.1.1 &	Waste Generation	<ul><li>on site or discharged.</li><li>Training of site personnel in proper waste management and</li></ul>
EIA 7.3.1.1 &	waste Generation	Iranning or site personner in proper waste management and

7.5.1.2;				chemical handling procedures
EM&A Log 6.2				Proper storage and sorting of excavated inert materials to
				maximize on site reuse for backfilling
				Surplus inert C&D materials will be disposed of at designated
				Government's PFRF.
EIA 7.5.1.4;			Chemical Waste	Chemical waste should be stored at chemical waste container
EM&A Log 6.2				and collected by a licensed collector to transport and dispose
				of at the approved Chemical Waste Treatment Centre
				Drip tray and chemical spillage kit will be provided on site
EIA 9.7.1 and			Ecology Concern	Provide training to frontline workers for the conservative
EM&A Log 8.3				species
				Provision of protective fence for the conservative species
				Regular inspection for concerned vegetation and conservative
				species
EIA Table 10.11;			Landscape and	Preservation of existing trees will be undertaken in
EM&A Table 9.1			Visual Impact	accordance with DEVB TC(W) 7/2015 and Guidelines for Tree
				Risk Assessment and Management Arrangement
				Restrict construction area to minimize the impact on existing
				retained trees
EIA 3.9.1;	Soil Removal	Kong Nga Po Site	Dust impact from	Use of regular water spraying (once every 1.25 hours or 8
EM&A Log 2.2			excavation	times per day) at all active works area exposed site surfaces
			activities and earth	and unpaved roads, particularly during dry weather

EIA 4.4.6; EM&A Log 3.2	Noise Control	<ul> <li>Water spraying during loading and unloading of excavated materials</li> <li>Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site</li> <li>Deploy water bowser for regular water spraying to enhance dust suppression</li> <li>Speed control of site transportation</li> <li>Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust</li> <li>Wheel washing facilities will be provided and cleaning the wheel of all vehicles before leaving the site</li> <li>Regular inspection and maintenance of plant &amp; equipment in good condition</li> </ul>
		<ul> <li>Enclose the noisy part of machineries with noise enclosure</li> <li>Adopt of Quality Powered Mechanical Equipment (QPME) if possible</li> </ul>
	Working in Restricted Hours	·
	Restricted flours	<ul> <li>displayed on site</li> <li>In case of non-compliance with the construction noise criteria,</li> </ul>
		more frequent monitoring and action should be carried out
EIA 5.6.1.2;	Water Pollution	Cover the stockpiles of excavated materials to reduce the
EM&A Log 4.2	Control	potential for water pollution

EIA 7.5.1.1 & 7.5.1.2; EM&A Log 6.2	Waste Generation	<ul> <li>Provide wastewater treatment facilities prior to discharge of wastewater</li> <li>Regular inspection and maintenance of wastewater treatment facilities</li> <li>Wheels of all vehicles and plants will be cleaned before leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused on site or discharged.</li> <li>Training of site personnel in proper waste management and chemical handling procedures</li> <li>Proper storage and sorting of excavated inert materials to maximize on site reuse for backfilling</li> <li>Surplus inert C&amp;D materials will be disposed of at designated</li> </ul>
EIA 7.5.1.4;	Chemical Waste	<ul> <li>Government's PFRF.</li> <li>Chemical waste should be stored at chemical waste container</li> </ul>
EM&A Log 6.2		and collected by a licensed collector to transport and dispose
		of at the approved Chemical Waste Treatment Centre
		Drip tray and chemical spillage kit will be provided on site
EIA 9.7.1 and	Ecology Concern	Provide training to frontline workers for the conservative
EM&A Log 8.3		species
		Provision of protective fence for the conservative species
		Regular inspection for concerned vegetation and conservative

					species
EIA Table 10.11; EM&A Table 9.1			Landscape ar Visual Impact	• •	Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement Restrict construction area to minimize the impact on existing retained trees
EIA 3.9.1; EM&A Log 2.2	Construction of footings	Kong Nga Po Site	Air	•	Regular inspection and maintenance of plant and equipment in good condition  Regularly clean up stockpiles and debris to avoid accumulation of materials  Dusty materials exceeding 20 bags shall be stored in area sheltered on top and the three sides or covered entirely by impervious sheeting.
EIA 4.4.6; EM&A Log 3.2			Noise Control	•	Regular inspection and maintenance of plant & equipment in good condition  Enclose the noisy part of machineries with noise enclosure  Adopt of Quality Powered Mechanical Equipment (QPME) if possible
			Working Restricted Hours	in •	Valid construction noise permit should be obtained and displayed on site In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out

EIA 5.6.1.2;			Water Pollution	Wheels of all vehicles and plants will be cleaned before
EM&A Log 4.2			Control	<ul> <li>leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused on site or discharged.</li> <li>Designated location for residual concrete washout</li> <li>Provide wastewater treatment facilities prior to discharge of wastewater</li> </ul>
EIA 7.5.1.4; EM&A Log			Chemical Waste	Drip tray and chemical spillage kit shall be provided on site
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul> <li>Provide training to frontline workers for the conservative species</li> <li>Provision of protective fence for the conservative species</li> <li>Regular inspection for concerned vegetation and conservative species</li> </ul>
EIA Table 10.11;			Landscape and	Preservation of existing trees will be undertaken in
EM&A Table 9.1			Visual Impact	<ul> <li>accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement</li> <li>Implement temporary traffic arrangement which control construction area to minimize landscape and visual impacts</li> </ul>
EIA 3.9.1;	Pre-bored	Kong Nga Po Site	Air	Regular inspection and maintenance of plant and equipment
EM&A Log 2.2	Socketed-H			in good condition
	Piling			Regularly clean up stockpiles and debris to avoid

EIA 4.4.6; EM&A Log 3.2	Noise Control	<ul> <li>accumulation of materials</li> <li>Dusty materials exceeding 20 bags shall be stored in area sheltered on top and the three sides or covered entirely by impervious sheeting.</li> <li>Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>Enclose the noisy part of machineries with noise enclosure</li> <li>Adopt of Quality Powered Mechanical Equipment (QPME) if</li> </ul>
	Working in Restricted Hours	<ul> <li>Valid construction noise permit should be obtained and displayed on site</li> <li>In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out</li> </ul>
EIA 5.6.1.2; EM&A Log 4.2	Water Pollution Control	<ul> <li>Cover the stockpiles of construction materials to reduce the potential for water pollution</li> <li>Provide wastewater treatment facilities prior to discharge of wastewater</li> <li>Wastewater generated from piling or surface runoff shall be treated prior to discharge</li> </ul>
EIA 7.5.1.1; EM&A Log 6.2	Waste Management	<ul> <li>Cover stockpiles of C&amp;D materials by impervious sheets to avoid wind-blown dust.</li> <li>Spray water on all dusty materials including C&amp;D materials</li> </ul>

		immediately prior to any loading transfer operation
EIA 7.5.1.4;	Chemical Waste	Drip tray and chemical spillage kit shall be provided on site
EM&A Log 6.2		
EIA 9.7.1 and	Ecology Concern	Provide training to frontline workers for the conservative
EM&A Log 8.3		species
		Provision of protective fence for the conservative species
		Regular inspection for concerned vegetation and conservative
		species
EIA Table 10.11;	Landscape and	• Preservation of existing trees will be undertaken in
EM&A Table 9.1	Visual Impact	accordance with DEVB TC(W) 7/2015 and Guidelines for Tree
		Risk Assessment and Management Arrangement
		Implement temporary traffic arrangement which control
		construction area to minimize landscape and visual impacts

<sup>\*</sup>EIA Ref/EM&A Log/ Design Document Ref

<sup>\*\*</sup>Details of equipment, vehicles, plants, processes, technologies for the construction method

### Design and Construction of Kong Nga Po Police Training Facilities <u>Proactive Environmental Protection Proforma</u>

Ref*		Proposed	Location/Working	Anticipated	Recommended Mitigation	Photo Records (Partial)
		Construction	Period	Major Impacts	Measures	
		Method				
EIA EM&A 2.2	3.9.1; Log	Open cut excavation	Kong Nga Po Site	Dust impact	<ul> <li>Deploy water bowser for regular water spraying to enhance dust suppression</li> <li>Manual water spraying</li> </ul>	
					<ul> <li>for dust suppression</li> <li>Regular inspection and maintenance of plant and equipment in good condition</li> <li>Cover stockpile with</li> </ul>	By main contractor at KNP site
					<ul><li>impervious sheets or grout</li><li>Provide wheel washing facility at site entrance</li></ul>	

Working Period: Oct 2023

	By main contractor at KNP site
	By main contractor at KNP site

			By main contractor at KNP site
EIA 4.4.6; EM&A Log 3.2	Noise	<ul> <li>Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>Deploy Quality Powered Mechanical Equipment (QPME) if possible</li> <li>Provide noise insulating mat for certain powered mechanical equipment.</li> <li>Valid construction noise permit should be</li> </ul>	CHECKED  CHE

		displayed at site entrance.	Environmental Permit Construction Noise Permit
EIA 9.7.1 and EM&A Log 8.3	Ecology Concern	<ul> <li>Provide training to workers about the conservative species</li> <li>Provision of protective fence for the conservative species</li> <li>Regular inspection for concerned vegetation and conservative species</li> </ul>	By main contractor at KNP site  24.10.2023  By main contractor at KNP site

					By subcontractor at KNP site
EIA 3.9.1; EM&A Log 2.2	Pre-bored Socketed-H Piling	Kong Nga Po Site	Air	<ul> <li>Cover dusty materials with impervious sheets</li> <li>Exposed slopes covered with waterproof layers such as tarpaulin sheets or grout to reduce the potential for sediment laden runoff entering the drainage system.</li> </ul>	By main contractor at KNP site

			By main contractor at KNP site
EIA 4.4.6;	Noise	Regular inspection and	
EM&A Log		maintenance of plant &	
3.2		equipment in good	
		condition	Send the Send to Send the Send to Send the Send to Send the Send to S
		Deploy Quality Powered  Machanical Equipment	ACCUMUSE CONTROL CONTR
		Mechanical Equipment (QPME) if possible	S S S S S S S S S S S S S S S S S S S
		Noise enclosure or	27.10.2023
		acoustic shed should be	By main contractor at KNP site
		used to cover stationary	,
		PME such as air	

		compressor or	
		generator.	
EIA 5.6.1.2 and EM&A Log 4.2	Water Quality	<ul> <li>Cover exposed slopes with impervious sheets or cement grout.</li> <li>Wastewater pumped out of the excavation</li> </ul>	
		areas shall be treated to remove suspended solid prior to discharge.  • Provide desilting/	By main contractor at KNP site
		<ul> <li>Provide desilting/ sedimentation devices for wastewater treatment prior to discharge</li> </ul>	By main contractor at KNP site
			By main contractor at KNP site

	06.10.2023  By main contractor at KNP site
	By main contractor at KNP site

EIA 5.6.1.3 and EM&A Log 4.2	Water Quality	Provide drip tray to prevent spillage of fuels.	By main contractor at KNP site
EIA Table 10.11; EM&A Table 9.1	Landscape and Visual Impact	<ul> <li>Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement</li> <li>Implement temporary traffic arrangement which control construction area to</li> </ul>	By main contractor at KNP site

			minimize landscape and visual impacts	
EIA 3.9.1; EM&A Log 2.2	Kong Nga Po Site	Air	<ul> <li>Cover dusty materials with impervious sheets</li> <li>Exposed slopes covered with waterproof layers such as tarpaulin sheets or grout to reduce the potential for sediment laden runoff entering the drainage system.</li> <li>Provide wheel washing facility at site entrance</li> </ul>	By main contractor at KNP site

EIA 4.4.6; EM&A Log 3.2	Noise	Valid construction noise permit should be obtained and displayed on site	Environmental Permit Construction Noise Permit
EIA 5.6.1.3 and EM&A Log 4.2	Water Quality	Surface water from concrete batching areas and the rest of the site should be separated as far as possible.	By main contractor at KNP site  A 16:10.2023  By subcontractor at KNP site

