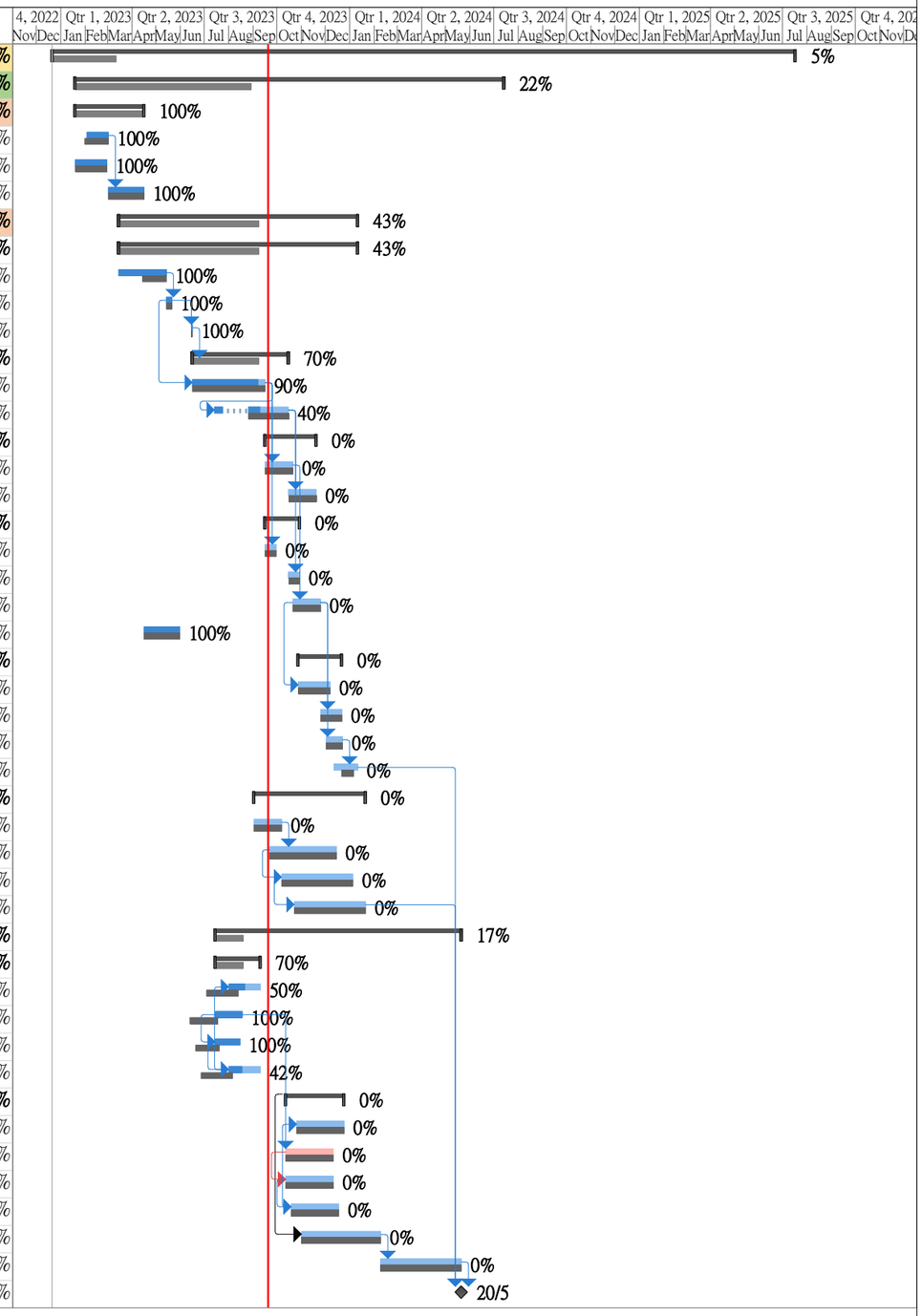
APPENDIX A
CONSTRUCTION PROGRAMME AND PROACTIVE ENVIRONMENTAL PROTECTION PROFORMA

Construction Programme
(Oct – Dec 2023)

ID	Task Name	Baseline Start	Baseline Finish	Act. Start	Act. Finish	% Comp.
964	**Site Execution**	**Fri 23/12/22**	**Sat 5/7/25**	**Wed 21/12/22**	**NA**	**5%**
1034	**Foundation and Substructure Construction**	**Thu 19/1/23**	**Wed 5/6/24**	**Thu 19/1/23**	**NA**	**22%**
1035	**ELS, Foundation and Substructure Works**	**Thu 19/1/23**	**Sat 15/4/23**	**Thu 19/1/23**	**Sat 15/4/23**	**100%**
1036	Ground Investigation	Tue 31/1/23	Wed 1/3/23	Fri 3/2/23	Wed 1/3/23	100%
1037	Soil Redistribution	Thu 19/1/23	Mon 27/2/23	Thu 19/1/23	Mon 27/2/23	100%
1038	Plate load test (WTF / SOTF / 25m Baffle Range and 300m Baffle Range)	Thu 2/3/23	Sat 15/4/23	Thu 2/3/23	Sat 15/4/23	100%
1039	**Section 1 Works**	**Fri 14/4/23**	**Fri 5/1/24**	**Wed 15/3/23**	**NA**	**43%**
1040	**PD&TTC Block1 (Training Complex)**	**Fri 14/4/23**	**Thu 7/12/23**	**Wed 15/3/23**	**NA**	**43%**
1041	Pre-drilling Works	Fri 14/4/23	Sat 13/5/23	Wed 15/3/23	Sat 13/5/23	100%
1042	Pre-drilling works completion and issue report	Sun 14/5/23	Sat 20/5/23	Sun 14/5/23	Sat 20/5/23	100%
1043	Test Boring	Thu 15/6/23	Thu 15/6/23	Thu 15/6/23	Thu 15/6/23	100%
1044	**Piling works**	**Fri 16/6/23**	**Sun 15/10/23**	**Fri 16/6/23**	**NA**	**70%**
1045	Zone A	Fri 16/6/23	Fri 15/9/23	Fri 16/6/23	NA	90%
1046	Zone B	Sat 26/8/23	Sun 15/10/23	Fri 14/7/23	NA	40%
1047	**Piling Tests**	**Sat 16/9/23**	**Sun 19/11/23**	**NA**	**NA**	**0%**
1048	Zone A	Sat 16/9/23	Fri 20/10/23	NA	NA	0%
1049	Zone B	Mon 16/10/23	Sun 19/11/23	NA	NA	0%
1050	**Post drill and piling works completion**	**Sat 16/9/23**	**Sun 29/10/23**	**NA**	**NA**	**0%**
1051	Zone A	Sat 16/9/23	Fri 29/9/23	NA	NA	0%
1052	Zone B	Mon 16/10/23	Sun 29/10/23	NA	NA	0%
1053	Excavation to piling cut off and bottom of pile cap	Sat 21/10/23	Fri 24/11/23	NA	NA	0%
1054	Slope Modification	Sun 16/4/23	Tue 30/5/23	Sun 16/4/23	Tue 30/5/23	100%
1055	**Pile caps construction**	**Sat 28/10/23**	**Thu 21/12/23**	**NA**	**NA**	**0%**
1056	Zone A	Sat 28/10/23	Wed 6/12/23	NA	NA	0%
1057	Zone B	Sat 25/11/23	Thu 21/12/23	NA	NA	0%
1058	Underground Drainage / Earthing Pits / Lightning Pits	Sat 2/12/23	Fri 22/12/23	NA	NA	0%
1059	Back Filling, Waterproofing and LG/F Slab	Fri 22/12/23	Fri 5/1/24	NA	NA	0%
1060	**PD&TTC Block 2-8 (Driving Blocks)**	**Thu 20/7/23**	**Fri 5/1/24**	**NA**	**NA**	**0%**
1061	Excavation Works	Sat 2/9/23	Fri 6/10/23	NA	NA	0%
1062	Footing	Fri 22/9/23	Thu 14/12/23	NA	NA	0%
1063	Underground Drainage / Earthing Pits / Lightning Pits	Sat 7/10/23	Thu 4/1/24	NA	NA	0%
1064	Back Filling, Waterproofing and G/F Slab	Mon 23/10/23	Sat 20/1/24	NA	NA	0%
1065	**WTF Block 1-4**	**Tue 13/6/23**	**Sat 16/3/24**	**Sat 15/7/23**	**NA**	**17%**
1066	**Excavation Works**	**Tue 13/6/23**	**Sat 12/8/23**	**Sat 15/7/23**	**NA**	**70%**
1067	Block 1	Tue 4/7/23	Sat 12/8/23	Tue 1/8/23	NA	50%
1068	Block 2	Tue 13/6/23	Mon 17/7/23	Sat 15/7/23	Thu 17/8/23	100%
1069	Block 3	Tue 20/6/23	Wed 19/7/23	Sat 15/7/23	Mon 14/8/23	100%
1070	Block 4	Tue 27/6/23	Sat 5/8/23	Tue 1/8/23	NA	42%
1071	**Footing**	**Thu 12/10/23**	**Sun 24/12/23**	**NA**	**NA**	**0%**
1072	Block 1	Thu 26/10/23	Sun 24/12/23	NA	NA	0%
1073	Block 2	Thu 12/10/23	Sun 10/12/23	NA	NA	0%
1074	Block 3	Thu 12/10/23	Sun 10/12/23	NA	NA	0%
1075	Block 4	Thu 19/10/23	Sun 17/12/23	NA	NA	0%
1076	Underground Drainage / Earthing Pits / Lightning Pits	Wed 1/11/23	Thu 8/2/24	NA	NA	0%
1077	Back Filling, Waterproofing	Fri 9/2/24	Mon 20/5/24	NA	NA	0%
1078	Completion of Foundation and Substructure Works of Section 1	Mon 20/5/24	Mon 20/5/24	NA	NA	0%



Critical	Manual Task	Path Driving Predecessor Normal Task	Summary	Inactive Milestone
Critical Split	Start-only	Baseline	Manual Summary	Inactive Summary
Critical Progress	Finish-only	Baseline Split	Project Summary	Deadline
Task	Duration-only	Baseline Milestone	External Tasks	
Split	Path Driving Predecessor Milestone Task	Milestone	External Milestone	
Task Progress	Path Driving Predecessor Summary Task	Summary Progress	Inactive Task	

Layout Plan with major construction activities

Legend:

Foundation construction and associated works

Mock-up construction

- Mock-up construction

- Soil Storage

PLATFORM I

PLATFORM J

PLATFORM H

PLATFORM G

PLATFORM K

PLATFORM L

PLATFORM F

PLATFORM E

PLATFORM D

PLATFORM B

PLATFORM C

PLATFORM A

- Soil Storage

- Pre-bored socketed-H Piling

- Open cut excavation
- Plate load test

Major construction activities carried out in September 2023

N

KONG NGA PO ROAD

Holding Centre

Rifle Range

Pigsty

Graves

Road

26-Oct-22

...\DF\DF0080\Main site layout.dgn

Legend:

Foundation construction and associated works

Construction of footings

Mock-up construction

N

- Mock-up construction

PLATFORM I

- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection

- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection

- Soil Storage

PLATFORM H

PLATFORM J

PLATFORM G

PLATFORM K

- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection

- Open cut excavation
- Soil removal/ Soil Storage

PLATFORM F

PLATFORM L

- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection

PLATFORM D

PLATFORM E

- Soil Storage
- Open cut excavation
- Soil removal
- Construction of footings

- Open cut excavation
- Soil removal
- Construction of footings

PLATFORM B

PLATFORM C

- Ground Investigation
- Soil removal
- Pre-bored socketed-H Piling
- Construction of footings

PLATFORM A

- Open cut excavation
- Plate Load Test
- Soil removal
- Construction of footings
- U.U. Lead in and Pipe Duct Connection

Major construction activities carried out in period of Oct~Dec 2023

26-Oct-22

...\DF\DF0080\Main site layout.dgn

Proactive Environmental Protection Proforma

Design and Construction of Kong Nga Po Police Training Facilities Working Period: Oct to Dec 2023

Proactive Environmental Protection Proforma

Ref*	**Proposed Construction Method**	**Location/Working Period**	**Anticipated Major Impacts**	**Recommended Mitigation Measures**
EIA 3.9.1; EM&A Log 2.2	Open cut excavation	Kong Nga Po Site	Dust impact from excavation activities and earth moving	• Use of regular water spraying (once every 1.25 hours or 8 times per day) at all active works area exposed site surfaces and unpaved roads, particularly during dry weather • Deploy water bowser for regular water spraying to enhance dust suppression • Manual water spraying for dusty operation where inaccessible by water bowser • Speed control of site transportation • Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust • Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site • Wheel washing facilities will be provided and cleaning the wheel of all vehicles before leaving the site
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 in Restricted Hours	• 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; EM&A Log 4.2			Water Pollution Control	• Cover the stockpiles of construction materials to reduce the 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 on site or discharged.
EIA 7.5.1.1 &			Waste Generation	• Training of site personnel in proper waste management and

7.5.1.2; EM&A Log 6.2				chemical handling procedures • 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; EM&A Log 6.2			Chemical Waste	• Chemical waste should be stored at chemical waste container 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 EM&A Log 8.3			Ecology Concern	• Provide training to frontline workers for the conservative 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 and 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	Soil Removal	Kong Nga Po Site	Dust impact from excavation activities and earth	• Use of regular water spraying (once every 1.25 hours or 8 times per day) at all active works area exposed site surfaces and unpaved roads, particularly during dry weather

			moving	• Water spraying during loading and unloading of excavated materials • Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site • Deploy water bowser for regular water spraying to enhance dust suppression • Speed control of site transportation • Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust • Wheel washing facilities will be provided and cleaning the wheel of all vehicles before leaving the site
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 in Restricted Hours	• 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; EM&A Log 4.2			Water Pollution Control	• Cover the stockpiles of excavated materials to reduce the potential for water pollution

				• Provide wastewater treatment facilities prior to discharge of wastewater • Regular inspection and maintenance of wastewater treatment facilities • 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.
EIA 7.5.1.1 & 7.5.1.2; EM&A Log 6.2			Waste Generation	• Training of site personnel in proper waste management and chemical handling procedures • 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; EM&A Log 6.2			Chemical Waste	• Chemical waste should be stored at chemical waste container 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 EM&A Log 8.3			Ecology Concern	• Provide training to frontline workers for the conservative 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 and 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 in Restricted Hours	• 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; EM&A Log 4.2			Water Pollution Control	• 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. • Designated location for residual concrete washout • Provide wastewater treatment facilities prior to discharge of wastewater
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	• Provide training to frontline workers for the conservative 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 and 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 • Implement temporary traffic arrangement which control construction area to minimize landscape and visual impacts
EIA 3.9.1; EM&A Log 2.2	Pre-bored Socketed-H Piling	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 in Restricted Hours	• 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; EM&A Log 4.2			Water Pollution Control	• Cover the stockpiles of construction materials to reduce the potential for water pollution • Provide wastewater treatment facilities prior to discharge of wastewater • Wastewater generated from piling or surface runoff shall be treated prior to discharge
EIA 7.5.1.1; EM&A Log 6.2			Waste Management	• Cover stockpiles of C&D materials by impervious sheets to avoid wind-blown dust. • Spray water on all dusty materials including C&D materials

				immediately prior to any loading transfer operation
EIA 7.5.1.4; EM&A Log 6.2			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	• Provide training to frontline workers for the conservative 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 and 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 • Implement temporary traffic arrangement which control construction area to minimize landscape and visual impacts

**EIA Ref/ EM&A Log/ Design Document Ref*

***Details of equipment, vehicles, plants, processes, technologies for the construction method*

Design and Construction of Kong Nga Po Police Training Facilities Working Period: Sep 2023

Proactive Environmental Protection Proforma

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

					 By main contractor at KNP site  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	• Regular inspection and maintenance of plant & equipment in good condition • Deploy Quality Powered Mechanical Equipment (QPME) if possible • Provide noise insulating mat for certain powered mechanical equipment. • Valid construction noise permit should be displayed at site entrance.	 By main contractor at KNP site  By main contractor at KNP site

EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	• Provide training to workers about the conservative species • Provision of protective fence for the conservative species • Regular inspection for concerned vegetation and conservative species	 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	• Cover dusty materials with impervious sheets • Exposed slopes covered with waterproof layers such as tarpaulin sheets or grout to reduce the potential for sediment laden runoff entering the drainage system.	 By main contractor at KNP site  By main contractor at KNP site

EIA 4.4.6; EM&A Log 3.2			Noise	• Regular inspection and maintenance of plant & equipment in good condition • Deploy Quality Powered Mechanical Equipment (QPME) if possible • Noise enclosure or acoustic shed should be used to cover stationary PME such as air compressor or generator.	 By main contractor at KNP site
EIA 5.6.1.2 and EM&A Log 4.2			Water Quality	• Cover exposed slopes with impervious sheets or cement grout. • Wastewater pumped out of the excavation areas shall be treated to remove suspended solid prior to discharge. • Provide desilting/ sedimentation devices	 By main contractor at KNP site

				for wastewater treatment prior to discharge	 By main contractor at KNP site  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	• Preservation of existing trees will be undertaken in 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