

Hong Kong Housing Authority

**Agreement No. CB20120293
Planning and Engineering Study
for the Public Housing Site and
Yuen Long Industrial Estate
Extension at Wang Chau**

**Final Technical Report No. 1 (TR-1)
Baseline Review - Appendices**

March 2013

IMPORTANT – CONFIDENTIALITY

This project and study shall be kept confidential and any information contained in and/or related to the project/study shall not be disclosed to any person not involved in the project/study.

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Water supply and sewage
treatment allocation for YLIE



PUBLIC WORKS DEPARTMENT 工務局
CIVIL ENGINEERING OFFICE 土木工程處

DRAINAGE WORKS DIVISION

Our ref. : (160) in S 6/15/12 Pt. II
Tel. No. : 3-884111 Ext. 434

10 May, 1979

Dear Sir,

Yuen Long Sewage Treatment Works

1. The design and preparation of contract documents for both the civil engineering works and electrical/mechanical equipment are progressing satisfactorily and the first of a number of tenders should be called in a few weeks time.
2. As the estimated cost of the whole project has been revised and your contribution now is estimated at \$72 Million for reasons given in this Divisions letter 38 in S 6/15/12 Part II dated 22nd January 1979, could you please confirm that funds totalling this amount will be made available. The estimated cash flow remains unchanged vide this Divisions letter ref. 39 in this series dated 24th January 1979.
3. For purposes of apportionment it should be noted that the total estimated contribution of sewage generated from the Industrial estate has also been revised due mainly to new water consumption figures proposed by the Water Works Office.
4. The revised figures and apportionment shares will now read as follows :-
 - (i) Dry weather flow from HKIEC = 36,000 m³/day
 - (ii) " " " " Yuen Long Town development = 34,000 "
 - (iii) Cost of Engineering Works HKIEC = $\frac{36,000}{70,000} \times \140 Million
= \$72 Million
 - (iv) " " " Govt. = \$68 "

To: [REDACTED]

- (v) Site formation cost to Govt. $\frac{34,000}{70,000} \times \frac{7.5}{98.31} \times 100 = 3.71\%$
as a percentage of total
reclamation cost of the I.E.
(The areas of 7.5 and 98.31 Hactares will be adjusted
when the final Survey and the Site boundary co-ordinates
have been finalised.)

5. As you are aware the works will be constructed in two stages, the first stage will serve the full development contribution from the HKIEC of 36,000 m³/day and a small contribution from the Yuen Long Town Centre development of 16,500 m³/day. Accordingly the cost contribution for stage I is estimated at \$72 million to the HKIEC and \$33 million to Govt.

Yours faithfully,

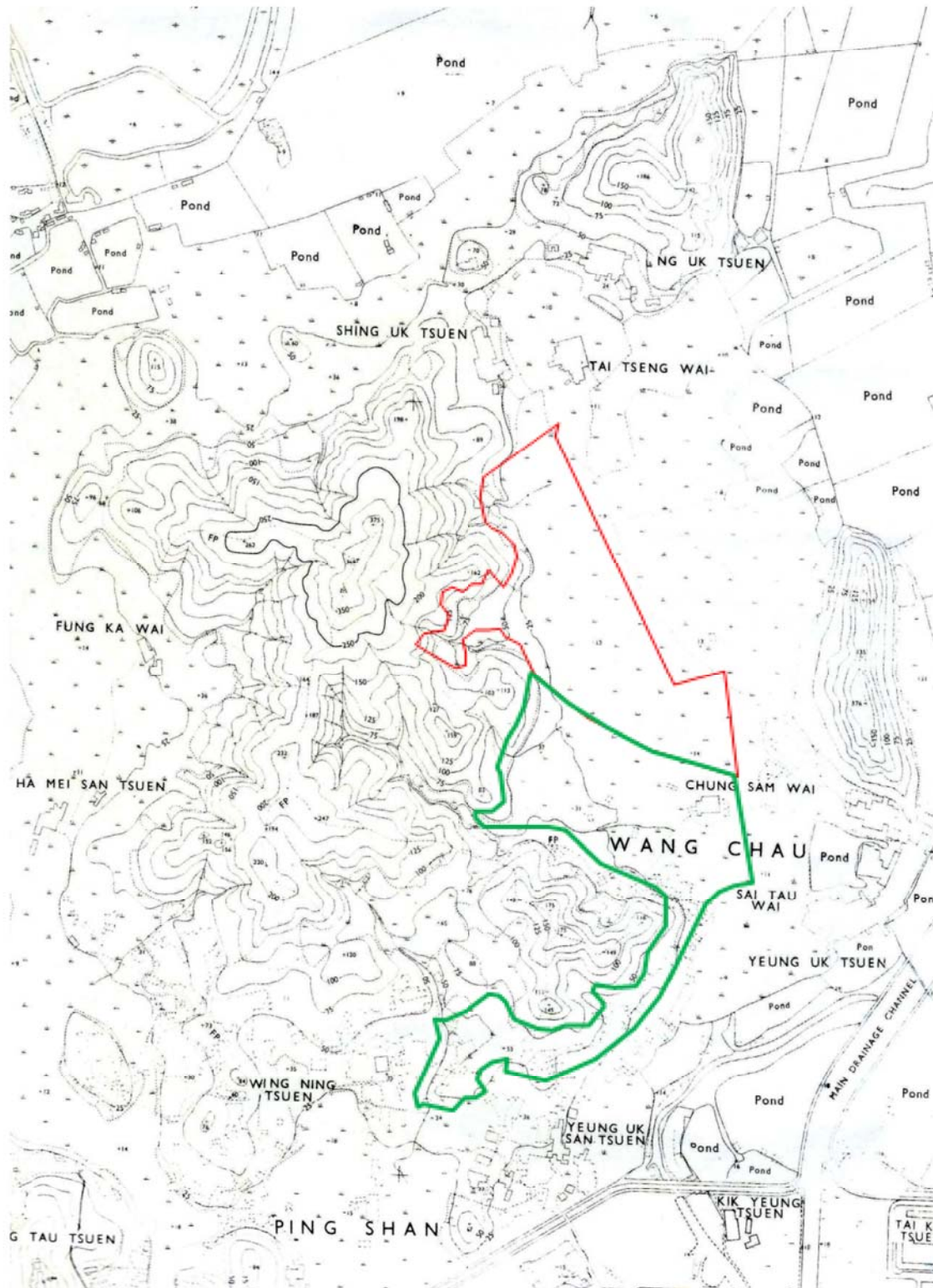
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for Chief Engineer, Drainage Works

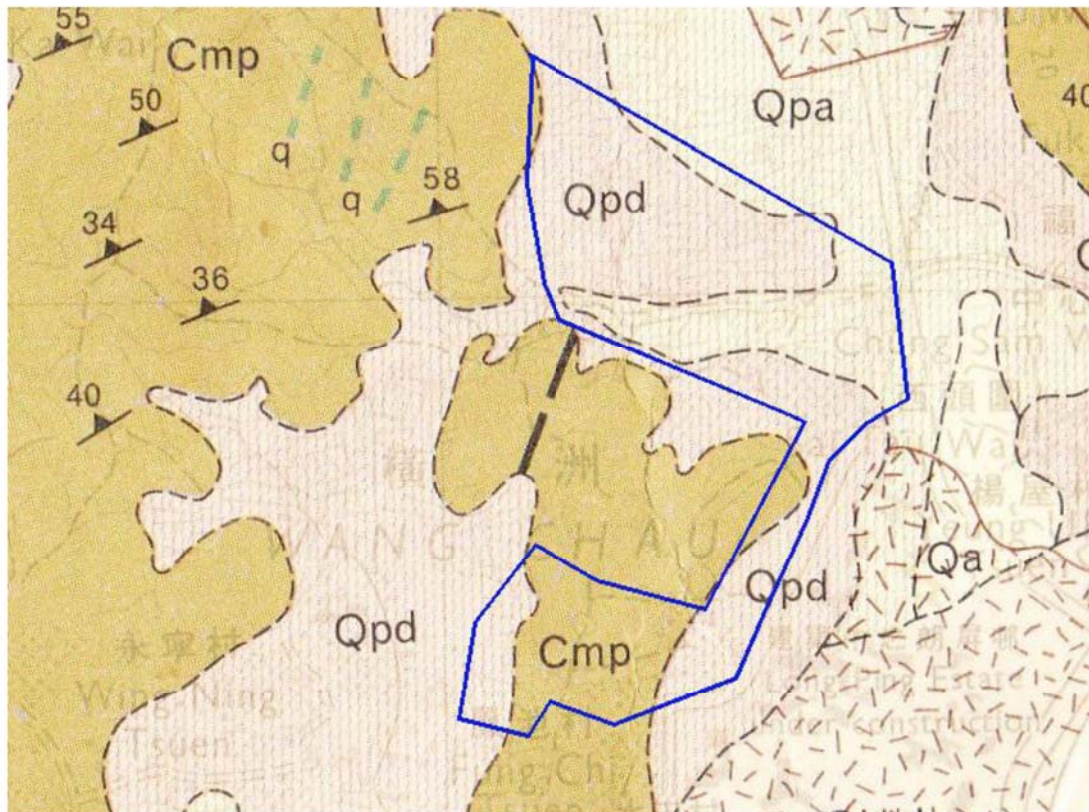
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Appendix 2.11.1

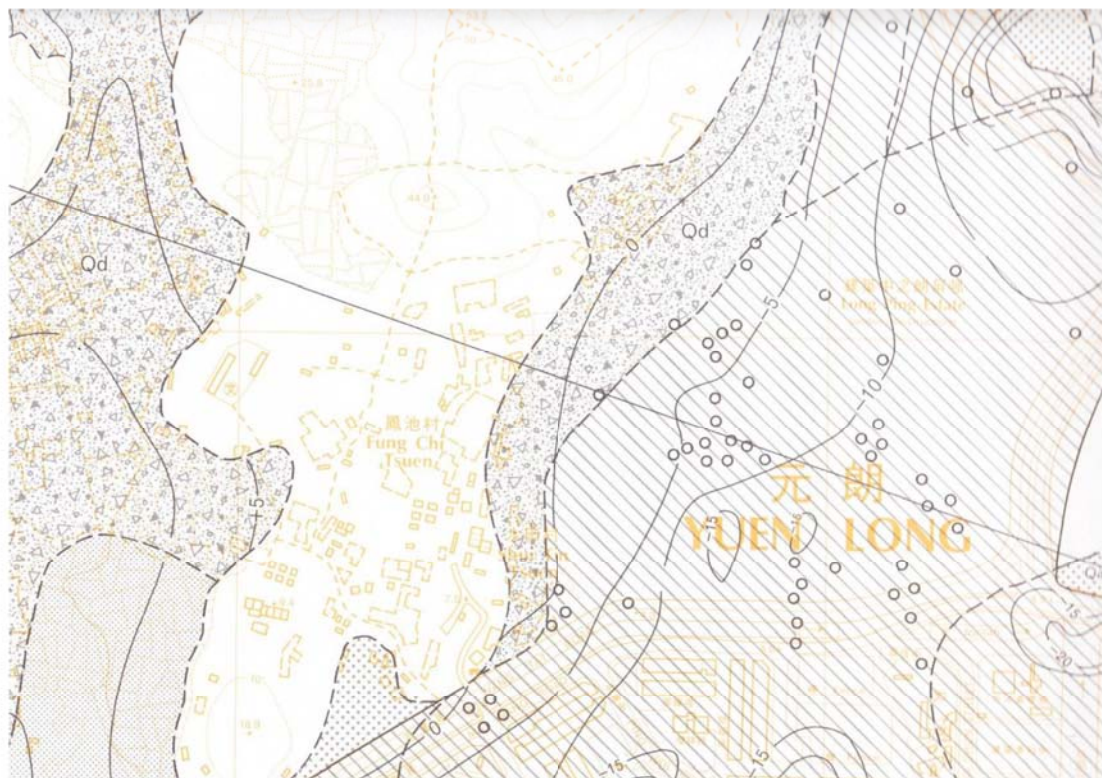
Archaeology - Historical
topographical map and aerial
photographs



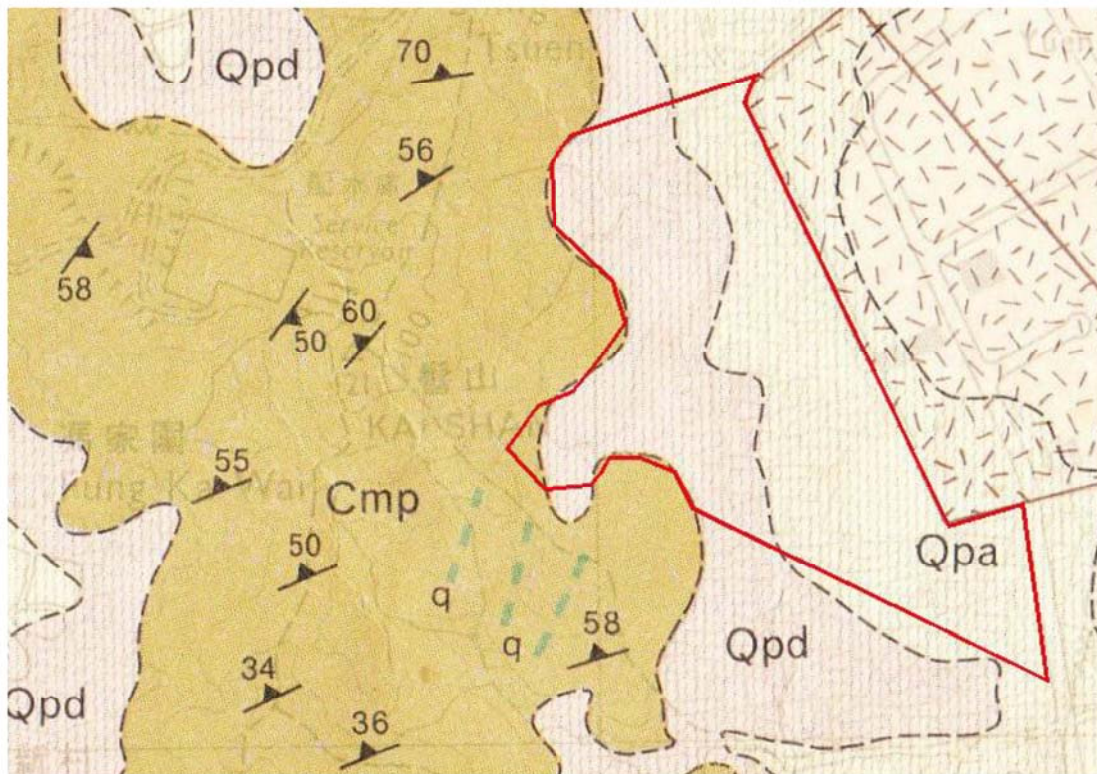
Inset 1 1966 Topographical map showing the Project Sites



Inset 2 Geological map scale 1:20,000 showing roughly the outline of the public housing site area.



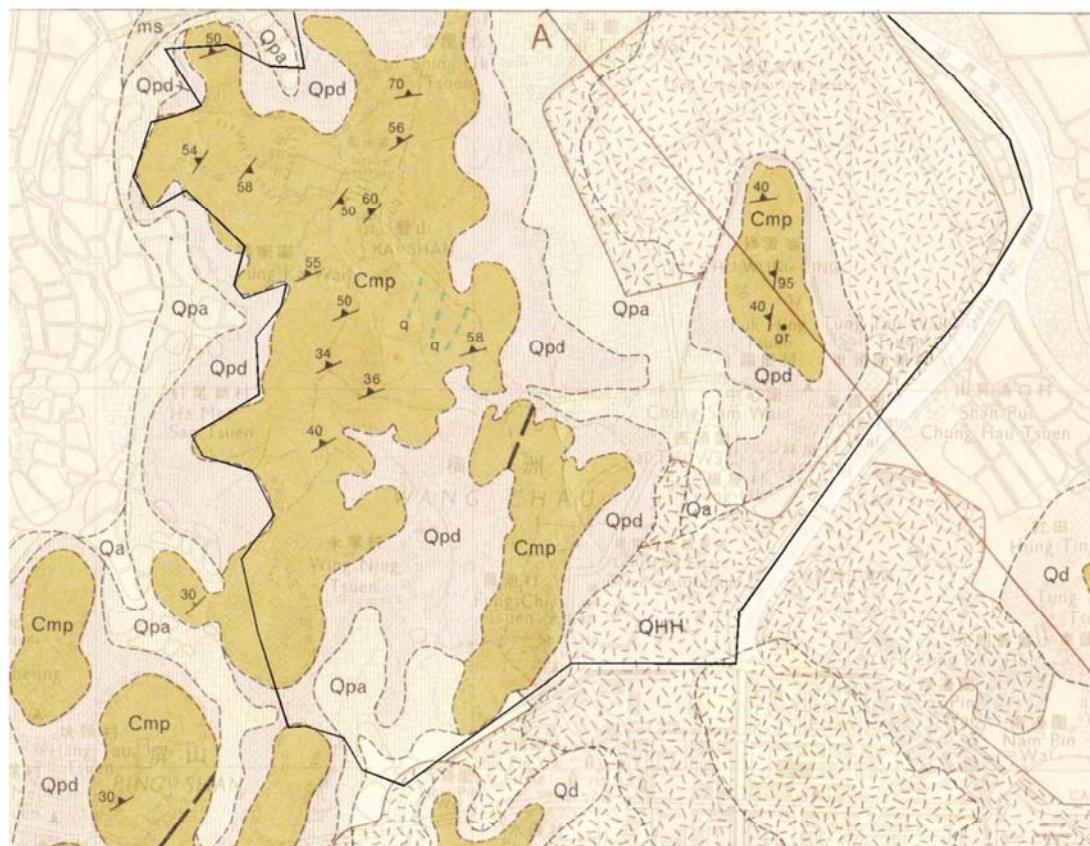
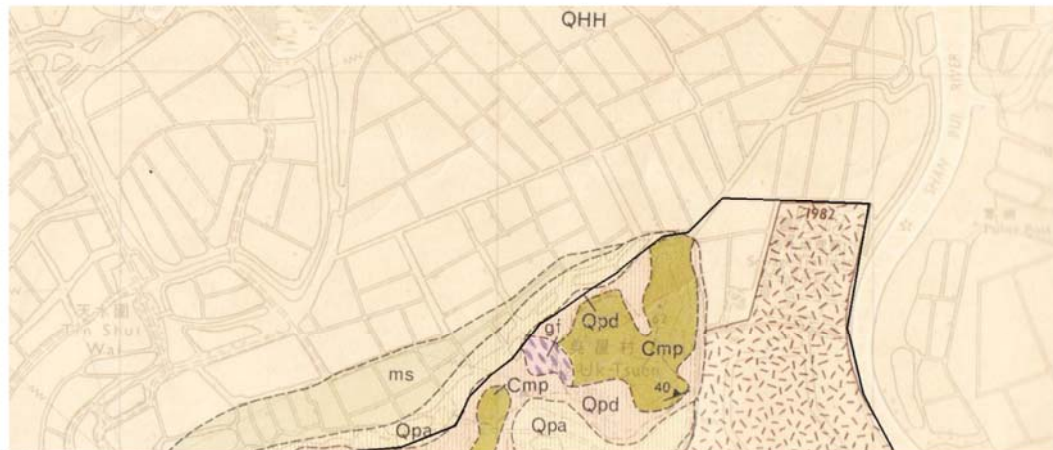
Inset 2a Geological map scale 1:5,000 showing the proposed development will impact on Holocene debris flow (Qd) and solid geology of southern Kai Shan.



Inset 3 Geological map scale 1:20,000 showing roughly the outline of the YLIEE site area.



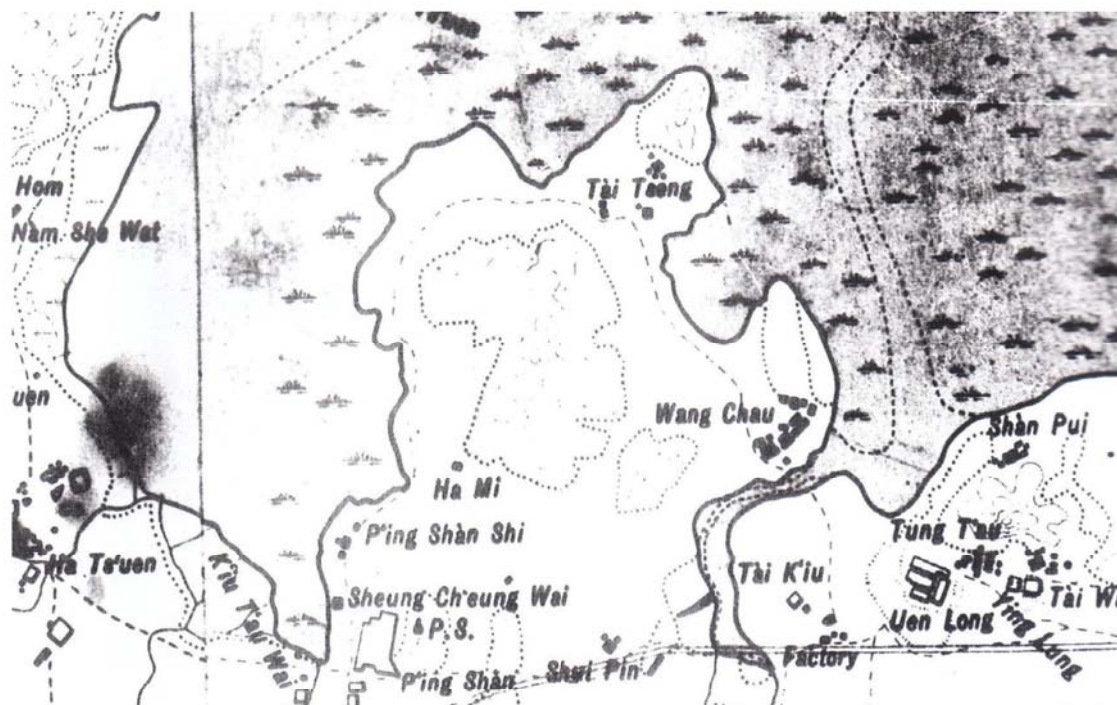
Inset 3a Geological map scale 1:5,000 showing in more detail the Pleistocene terraced alluvium (Qpa) and Holocene debris flow (Qd) where the YLIEE is proposed.



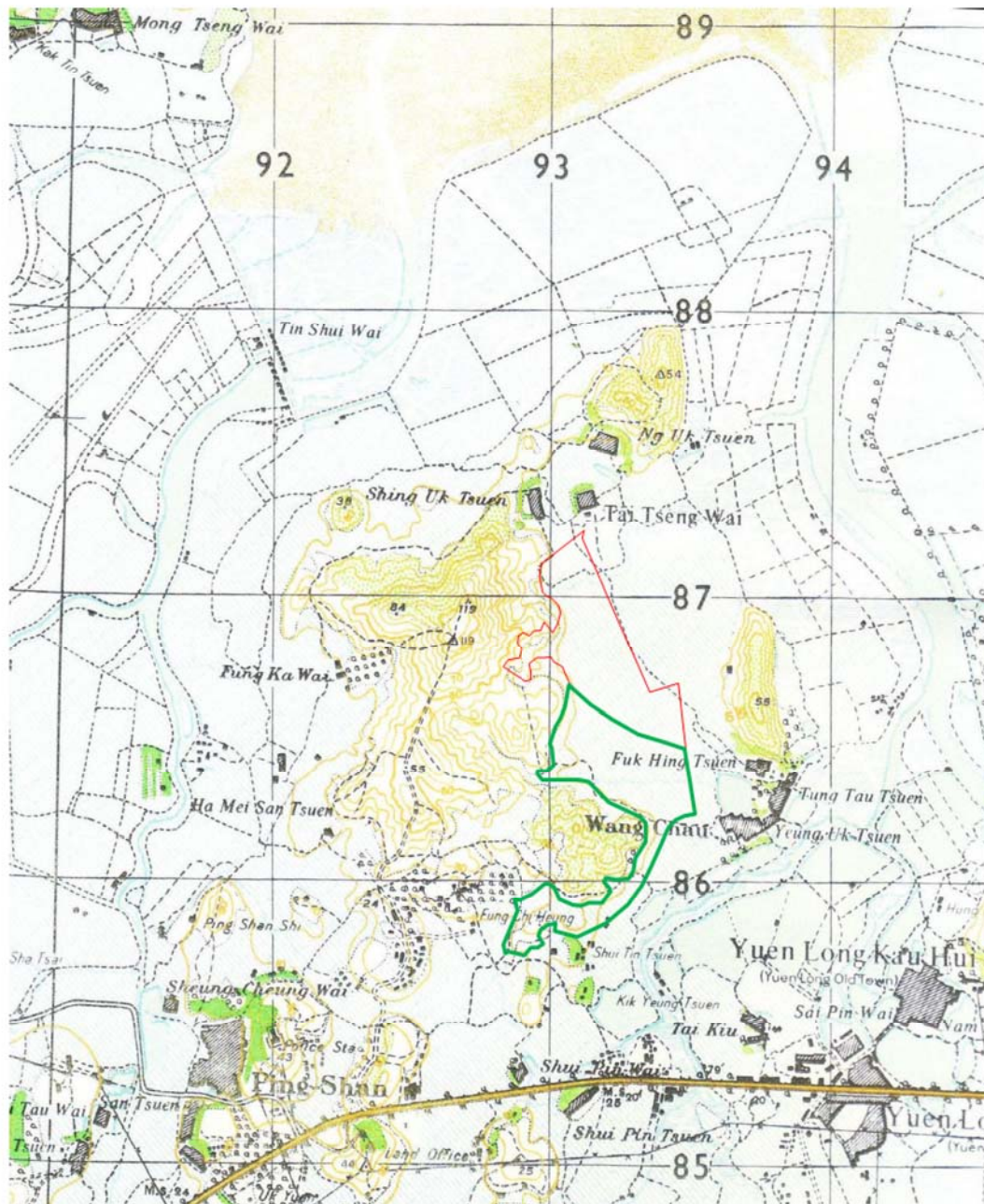
Inset 4 Geological map scale 1:20,000 in two parts (Survey Sheets 2 and 6) showing roughly the outline of the wider Study Area.



Inset 4a Geological map scale 1:5,000 showing in more detail the Pleistocene debris flow deposit (Qpd) on which the historical village are situated.



Inset 5 1914 Topographical map showing Kai Shan and the villages of Tai Tseng and Ha Mi.



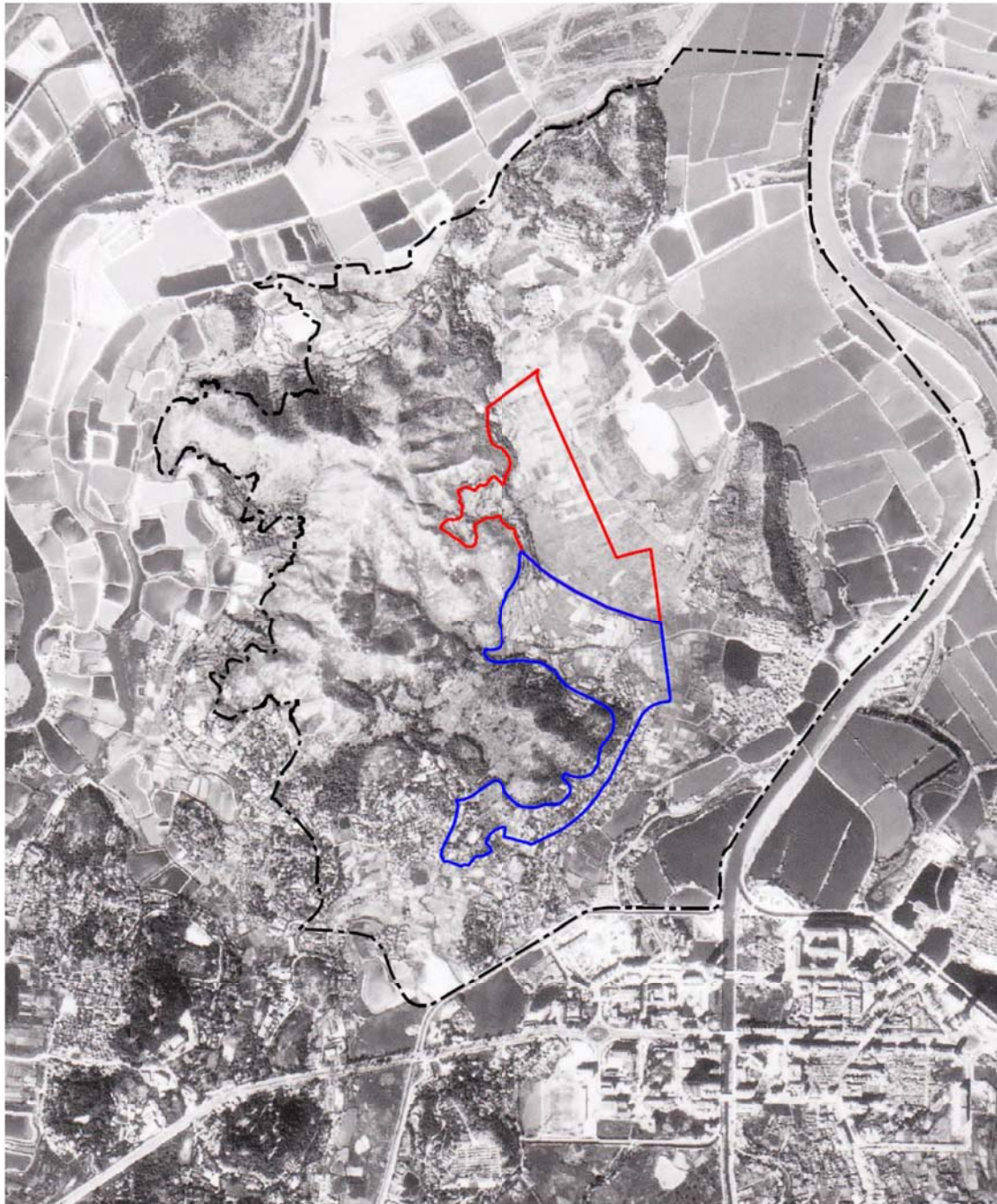
Inset 6 1957 Topographical map showing the Project Sites, Fung Chi Heung and Shui Tin Tsuen (villages to the south of Long Ping Estate)



Inset 7 2009 Aerial photograph showing the public housing site within orange line.



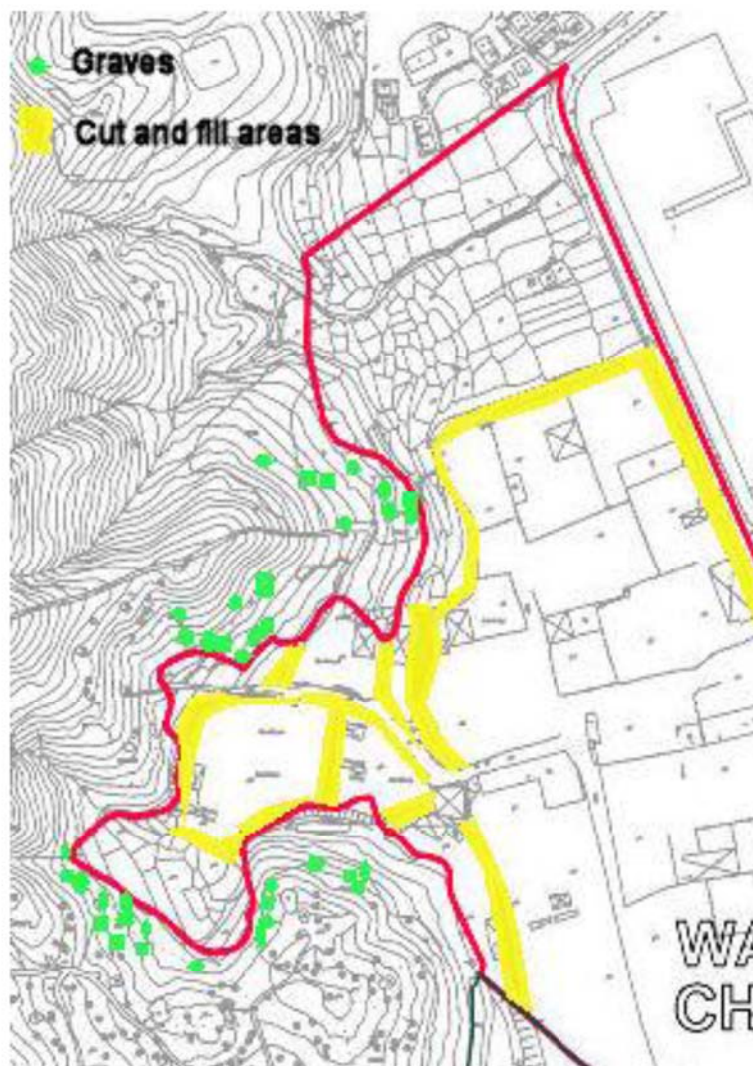
Inset 8 Aerial Photograph dated to 1924 showing the Study Area with Kai Shan on the left of the photo.



Inset 9 Aerial photograph dating to 1974 showing the Study Area before Long Ping Road or Fuk Hi Street, Long Ping Estate and Yuen Long Industrial Estate were constructed.



Inset 10 2009 Aerial photograph showing the proposed Yuen Long Industrial Estate Extension within the orange line.



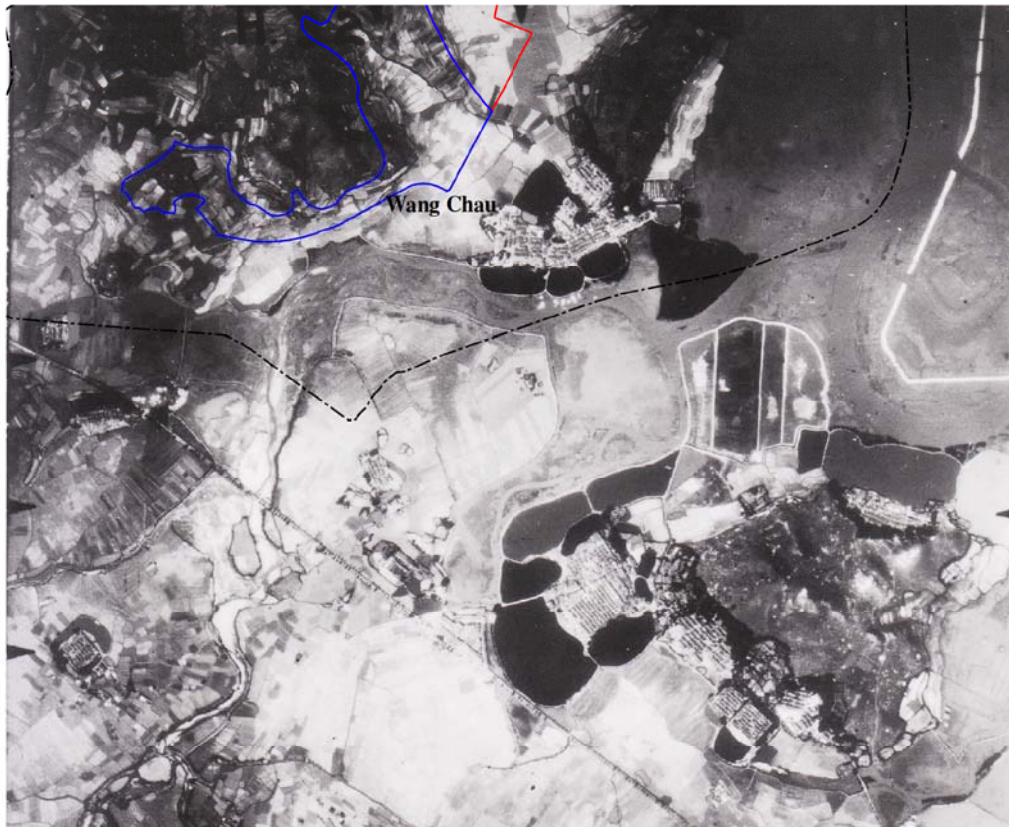
Inset 11 Detail of map showing existing impacts within the YLIEE site with focus on lower hill slopes.



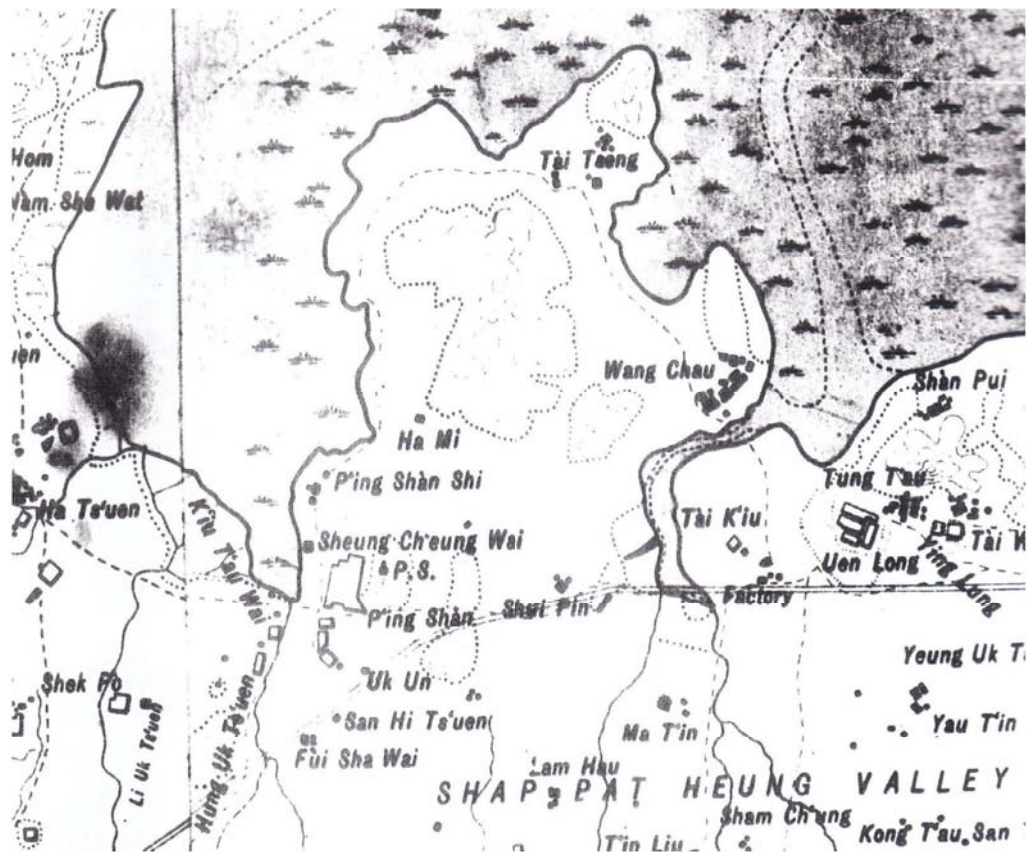
Inset 12 Aerial photograph dating to 1924 showing the southern part of the Study Area - note ponds surrounding the historical villages south of Chu Wong Ling; also note the lack of buildings at the base of Wang Chau.

Appendix 2.11.2

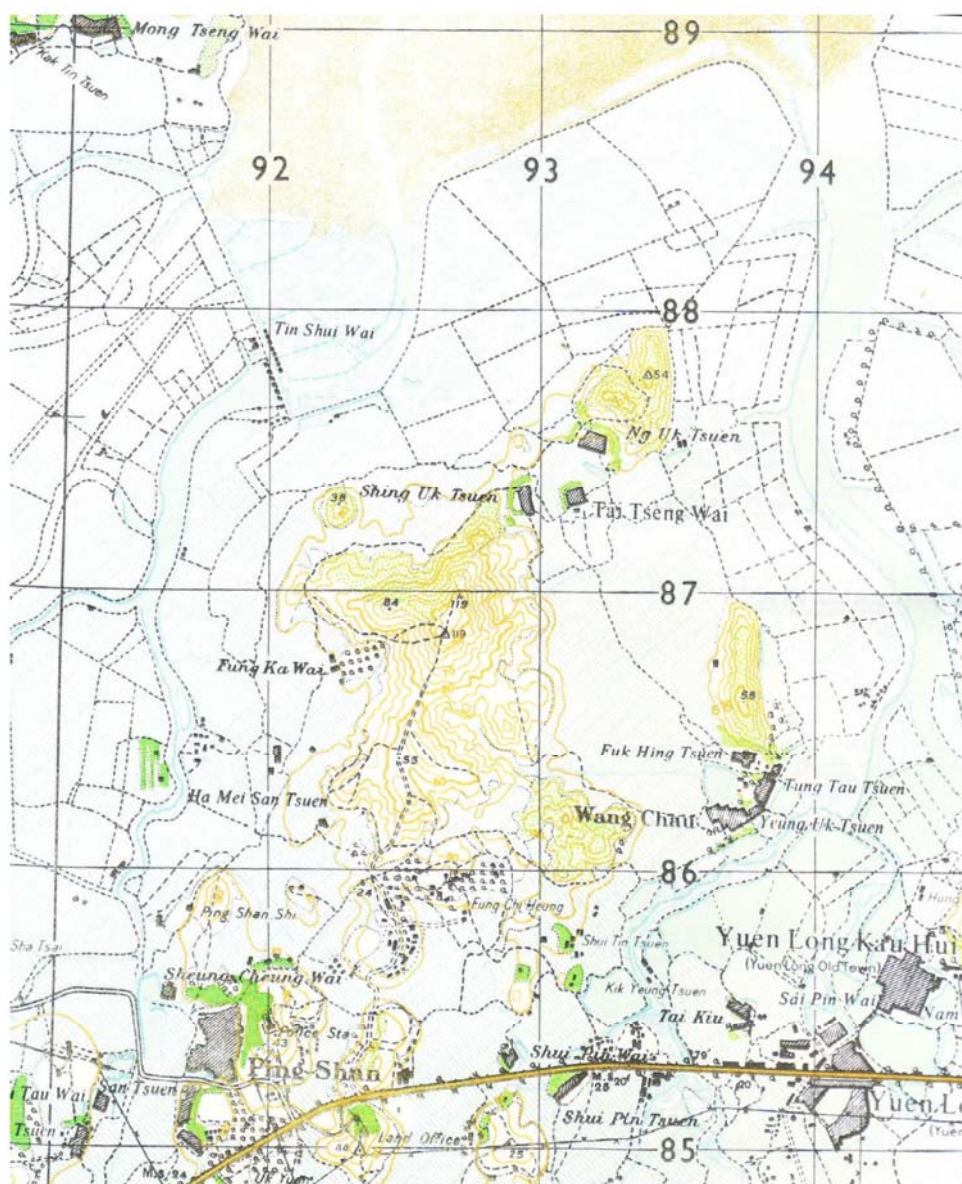
Built heritage - Historical maps
and aerial photographs



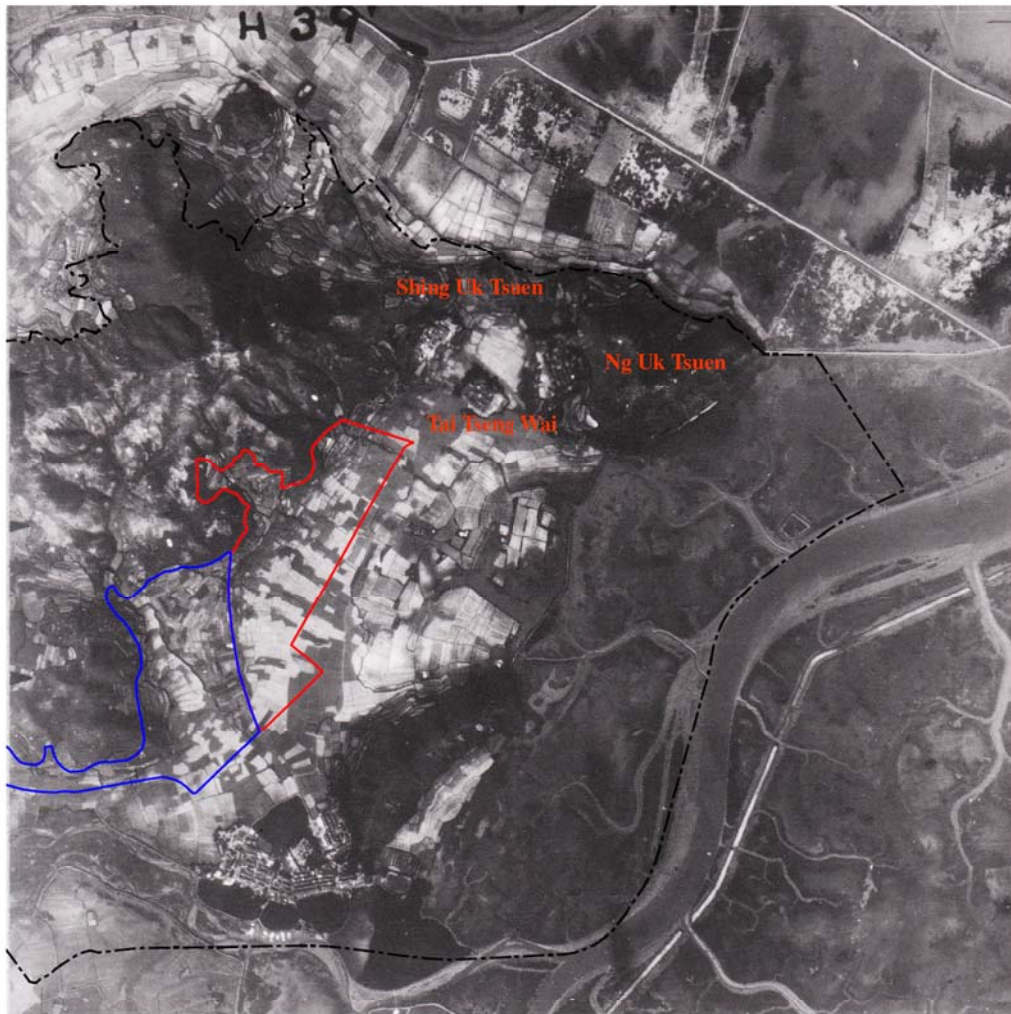
Inset 1 1924 Aerial Photograph showing the villages of Wang Chau



Inset 2 Map from 1914 showing the location of the villages of Wang Chau and Tai Tseng



Inset 3 1957 Map showing the location of the villages of Tai Tseng, Wang Chau and Shui Tin Tsuen



Inset 4 1924 Aerial Photograph showing the Tai Tseng Villages

Appendix 2.11.3

Built heritage catalogue

Site Code: DM-1	Title: I Shing Kung	Category: Religious, Ritual and Funerary
Address: Tung Tau Wai, Wang Chau, Yuen Long		Reference Plan: Figure 2.11.4b
Orientation: South		Grading: Declared Monument
Surrounding Environment: The temple is situated at the northern end of Tung Tau Wai Village and has modern residential structures all around. There is an open paved area in front of the temple and the area behind the temple is a grass covered hill.		
Historical Appraisal: The temple dates back to around 1718 (the 57th year of the Kangxi reign of the Qing Dynasty). It is used to worship the deities of Hung Shing and Che Kung. It was built by the villagers of Wang Chau and is still an important religious site for the villagers. The deities of the temple are Hung Shing (a god of protection against natural disasters and especially revered by fishermen) and Che Kung (a god of protection).		
Associated Historical/ Cultural Events or Individual: The Tai Ping Ch'ing Ch'iao Festival is held in the temple every 8 years and includes all six of the Wang Chau villages. The purpose of the festival being to exorcise evil spirits, ensure the safety of the people and bring peace and good harvests.		
Inscriptions: 二聖宮		
Architectural Appraisal: The temple has a recessed entrance which leads into the main hall. There is a second hall behind separated from the entrance by a courtyard. There are side chambers and bays on both sides of the halls. It is constructed of green brick walls with tile roofs supported by timber step beams and purlins. The roof ridge is flat with decorative motifs of Bogu, Flower and Auspicious Composite. The fascia boards contain the same motif pattern. The gable walls are triangular with black frieze panels with a grass dragon motif. The main entrance door consists of two vertical wooden panels.		
Interior: There is an entrance hall at the front of the building with a Dong Chung Door inside the entrance. The main hall and altar are separated from the entrance hall by an open courtyard. There are side chambers and bays on both sides of the halls.		
Existing Condition: Very Good		
Past and Present Uses: Religious, Ritual and Funerary		
Notes on modifications: It was renovated in 1970, 1980 and 1996		

Photographic Record:



Front Elevation of the I Shing Temple



Rear Elevation of the I Shing Temple



Eastern Elevation of the I Shing Temple



Entrance and Dong Chung Door (I Shing Temple)



Detail View of Decorative Frieze on the Western Side of the Facade



Detail View of the Roof Ridge Decoration and Gable Mould Frieze



The Altar of the I Shing Temple



Drum and Bell in the I Shing Temple

Site Code: GB-1	Title: Tin Hau Temple	Category: Religious, Ritual and Funerary
Address: Fung Chi Tsuen, Ping Shan Yuen Long New Territories		Reference Plan: Figure 2.11.4d
Orientation: Southeast		Grading: Grade 1
Surrounding Environment: The temple is situated facing a busy dual carriageway. There is a open paved courtyard area at the front of the temple and sitting out area to the Southwest. The temple is situated at the base of a small hill and there is also a large Banyan tree behind the temple.		
Historical Appraisal: The original temple was built in 1684 (the 23rd year of the Kangxi reign which is inscribed on a bell in the temple). The temple was built by the fishing communities in the Deep Bay area, but also used by the local villagers, including those from Ping Shan and Wang Chau. The latter still bring a statue of Tin Hau to their villages on the first or second day of the first lunar month and return it on the eighth day.		
Associated Historical/ Cultural Events or Individual: Two nearby Road names are associated with the temple, Ma Miu Road and Ma Wang Road.		
Inscriptions: 宮后天		
Architectural Appraisal: It is a Qing vernacular building with three halls and side chambers. It is a green brick structure with a pitched tile roof supported by a timber bracket system. The building is relatively plain in decoration with geometric ridge decorations and scroll decorations of flower and bird motif on the façade friezes. The gable walls are triangular with plaster relief decoration in a flower motif.		
Interior: There is an entrance hall with central courtyard and the main hall with the altar is at the back. There are side chambers and courtyards. There is an old wooden panel door leading to one of the chambers and also a moulded decorative archway inside the building.		
Existing Condition: Very Good		
Past and Present Uses: Religious, Ritual and Funerary		
Notes on modifications: A major renovation was undertaken in 1908. Metal framed windows have been added at some point in the past to the side walls.		

Photographic Record:



Façade and Southwest Elevation of the Tin Hau Temple in Fung Chi Tsuen



View of the Courtyard in front of the Tin Hau Temple in Fung Chi Tsuen



Detail View of the Entrance to the Tin Hau Temple in Fung Chi Tsuen



View of the Incinerator for Burning Offerings At the Tin Hau Temple in Fung Chi Tsuen



Drum and Bell Tin Hau Temple in Fung Chi Tsuen



Decorative Door Arch Tin Hau Temple in Fung Chi Tsuen

Site Code: GB-2	Title: Yu Yuen	Category: Domestic/ Residential
Address: Tung Tau Wai, Wang Chau, Yuen long		Reference Plan: Figure 2.11.4b
Orientation: Southeast		Grading: Grade 2
Surrounding Environment: The house is situated outside of the traditional village. It is currently set in a relatively open area with village house to the front and both sides. The area around the house is used for car parking.		
Historical Appraisal: The house was built in 1927 by Tsoi Po-tin as a summer retreat for Tsoi and his family, who lived on Hong Kong island and remained as a private residence until the 1990's.		
Associated Historical/ Cultural Events or Individual: The house was built by Tsoi Po-tin, whose family had lived in the area for many generations. He was born in Tung Tau Wai in 1872. He was a businessman who ran the company responsible for the construction of the tallest pre WWII building in Guang Zhou (Oil Kwan mansion) and he was also one of the founders of the Hop Yick Company which set up the Yuen Long New Market. His other accomplishments included being a committee member of the Po Leung Kuk from 1934 to 1935.		
Inscriptions: 苑 娛		
Architectural Appraisal: It was built in the Classical Revival architectural with elements of the Palladian style. It is a red brick structure with a façade containing a segmental pediment over the entrance porch and a cupola behind the pediment. It also contains white painted columns, balustrades and window surrounds. The mansion grounds also contain a decorative fountain (not in use) and arch gate (heavily overgrown with vegetation).		
Interior: The layout consists of a large entrance with a central reception hall with a staircase leading to the upper floor. The interior is in very poor condition with wooden elements rotting and collapsed doors and other features. There are also large bags of straw like material being stored inside.		
Existing Condition: Poor. The building is being damaged from tree growth as well as neglect.		
Past and Present Uses: Domestic/ Residential and currently abandoned.		
Notes on modifications: No major modifications have been made.		

Photographic Record:



View of the Façade of Yu Yuen Mansion



View of the Northeast Elevation of Yu Yuen Mansion



View of the Southwest Elevation of Yu Yuen Mansion



Detail View of Damage from Tree Growing on Building



A Room on the Ground Floor of Yu Yuen



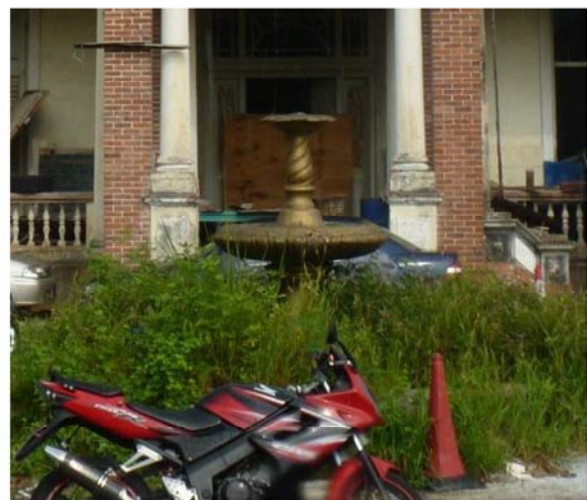
The Main Entrance of Yu Yuen



Detail View of balustrade and Wooden Shutter on Façade of Yu Yuen



The Entrance Arch of Yu Yuen



The Fountain in front of Yu Yuen

Site Code: GB-3	Title: Entrance Gate at Tai Tseng Ng Uk Tsuen	Category: Domestic
Address: Tai Tseng Ng Uk Tsuen, Wang Chau		Reference Plan: Figure 2.11.4a
Orientation: South		Grading: Grade 2
Surrounding Environment: The entrance gate is set at the front of the village with mostly modern structures around it.		
Historical Appraisal: The entrance gate was built in 1862 as a defensive structure to protect the village.		
Associated Historical/ Cultural Events or Individual: None		
Inscriptions: None		
Architectural Appraisal: The gate is a two storey Qing vernacular structure with one hall. The front entrance is rectangular and the back entrance into the village is arched. The lintels and door bases are of granite and the interior floor has a cement covering. It is a green brick structure with a pitched tile roof supported by timber purlins. The gate is also unusual as it is a detached structure. There is a painted frieze decoration under the eaves on the façade with a flower and bird theme.		
Interior: The interior houses a village earth god shrine in a niche on the ground floor and also another deity Fui Shing, which is situated on the cockloft, which is reached by a set of wooden stairs.		
Existing Condition: Very Good		
Past and Present Uses: The gate is no longer used for security purposes but the building is still cleaned by the villagers who also make regular offerings to the two deities and conduct martial art practices near the gate.		
Notes on modifications: The gate has not undergone any major renovations		

Photographic Record:



Façade of the Entrance Gate



Rear (Northern Elevation) of the Entrance Gate



Earth god Shrine inside the Entrance Gate



Staircase and Cockloft in the Entrance Gate

Site Code: GB-4	Title: Nos. 4 & 7A and Lot WCL132 in DD123 at Sai Tau Wai	Category: Domestic/ Residential
Address: Nos. 4 & 7A and Lot WCL132 in DD123 at Sai Tau Wai		Reference Plan: Figure 2.11.4b
Orientation: Northwest		Grading: Grade 3
Surrounding Environment: The buildings are situated near the back of the village and are surrounded by modern village buildings.		
Historical Appraisal: The buildings were constructed by the Leung family probably before 1903 and are still the property of the clan.		
Associated Historical/ Cultural Events or Individual: None		
Inscriptions: None		
Architectural Appraisal: The units are all Qing vernacular in style and the layouts are one hall and one courtyard in style. The buildings are constructed of green bricks with granite foundation courses on the sides and backs of the buildings. The roof is pitched and covered with clay tiles and supported by timber purlins.		
Interior: The main hall of each building consists of a living area with bedroom behind and a cockloft also used as a bedroom. There is a courtyard in front of the main hall of each building and there is a cooking area and bathing area on either side of the courtyard.		
Existing Condition: No. 4 is in poor condition with part of the façade brickwork missing and the wooden door rotting. Lot WCL132 in DD123 is in a very neglected condition with the front courtyard section partially collapsed and the interior of the main section untended. No. 7A has had a new building constructed at its side which may have seen the demolition of part of the building.		
Past and Present Uses: No. 4 was closed up at the time of the survey. Lot WCL132 in DD123 appeared abandoned and No. 7A was also closed up.		
Notes on modifications: There is a modern structure beside 7A and there is no longer an external side wall on the units. They are now all mid-terrace units.		

Photographic Record:



View of the façade of the buildings (No. 7A in the foreground)



Detail View of the Door Hood of 7A



Detail View of the Door Hood of Lot WCL132 in DD123



Detail View of the Interior of Lot WCL132 in DD123



Detail View of the Façade of No. 4

Site Code: GB-5	Title: No. 83 Fung Chi Tsuen (Lung Wah Yuen)	Category: Domestic/ Religious
Address: No. 83 Fung Chi Tsuen		Reference Plan: Figure 2.11.4d
Orientation: Southwest		Grading: Grade 3
Surrounding Environment: The building faces a busy dual carriageway and there is a foot path and cycle path directly in front of the building. It is in a fenced in compound with a concreted over courtyard in front with some trees.		
Historical Appraisal: The building was built as a private Buddhist Nunnery in the 1930's founded by Wong Jyun-ciu. It was set up by private individuals for the nuns and their adopted daughters, but was also used as a shelter for orphans and homeless women.		
Associated Historical/ Cultural Events or Individual: None		
Inscriptions: None		
Architectural Appraisal: The building is a two storey green brick Chinese Eclectic style building with both Chinese and Western architectural features. The façade has three bays with brick columns, a vertical balustrade and a flat roof with an ornamental parapet.		
Interior: The interior is divided into living rooms, bedrooms and worshipping rooms and there are two wooden staircases leading to the upper floor. There is a small one-storey kitchen and toilet and toilet annex at the south end of the nunnery.		
Existing Condition: Very Good		
Past and Present Uses: The building was built as a private Buddhist Nunnery in the 1930's and was set up by private individuals for the nuns and their adopted daughters, but was also used as a shelter for orphans and homeless women. The building is still used by the orphans brought up by the nuns.		
Notes on modifications: The exterior of the building has been painted in non-traditional colours.		

Photographic Record:



General View of the building



View of the side building at Lung Wah Yuen



View of the Entrance of Lung Wah Yuen

Site Code: GB-6A	Title: No. 39 Shing Uk Tsuen	Category: Domestic/ Residential
Address: No. 39 Shing Uk Tsuen		Reference Plan: Figure 2.11.4a
Orientation: Southwest		Grading: Grade 3
Surrounding Environment: The terrace row is at the back of the village. There are modern village buildings around and the old agricultural fields around the village have many modern residential buildings.		
Historical Appraisal: The houses were built by the father of Shing Lin-kwong, who was vice president of the Ping Shan rural Committee in 1952. The houses were used by the Shing family as residences until the 1960's.		
Associated Historical/ Cultural Events or Individual: None		
Inscriptions: None		
Architectural Appraisal: It is a Qing vernacular style structure with one hall and one courtyard at the front which is currently covered by a flat roof. It is constructed of green brick walls (with a granite corner stone on the façade edge). The building has a pitched tile main roof supported by timber purlins. There is a decorative frieze under the façade eaves and a decorative door hood. The open area for grain drying in front of the terrace row known as a wo tong. It is the northern-most end unit.		
Interior: The interiors of the buildings consist of a pantry, living area, bedroom and cockloft with a rice polishing mill in the living room.		
Existing Condition: Good		
Past and Present Uses: Domestic/ Residential		
Notes on modifications: Modern metal gate has been added.		

Photographic Record:



View of the Terrace Row of Nos. 39 to 43 Shing Uk Tsuen



Façade of No. 39 Shing Uk Tsuen



Entrance of No. 40 Shing Uk Tsuen

Site Code: GB-6B	Title: No. 40 Shing Uk Tsuen	Category: Domestic/ Residential
Address: No. 40 Shing Uk Tsuen		Reference Plan: Figure 2.11.4a
Orientation: Southwest		Grading: Grade 3
Surrounding Environment: The terrace row is at the back of the village. There are modern village buildings around and the old agricultural fields around the village have many modern residential buildings.		
Historical Appraisal: The houses were built by the father of Shing Lin-kwong, who was vice president of the Ping Shan rural Committee in 1952. The houses were used by the Shing family as residences until the 1960's.		
Associated Historical/ Cultural Events or Individual: None		
Inscriptions: None		
Architectural Appraisal: It is a Qing vernacular style structure with one hall and one courtyard at the front which is currently covered by a flat roof. It is constructed of green brick walls with a pitched tile main roof supported by timber purlins. There is a decorative frieze under the façade eaves and a decorative door hood. The open area for grain drying in front of the terrace row known as a wo tong.		
Interior: The interior consists of a pantry, living area, bedroom and cockloft with a rice polishing mill in the living room. There is also a grain drying area outside of the house.		
Existing Condition: Poor		
Past and Present Uses: Domestic/ Residential/ Currently vacant		
Notes on modifications: No major renovations		

Site Code: GB-6C	Title: No. 41 Shing Uk Tsuen	Category: Domestic/ Residential
Address: No. 41 Shing Uk Tsuen		Reference Plan: Figure 2.11.4a
Orientation: Southwest		Grading: Grade 3
Surrounding Environment: The terrace row is at the back of the village. There are modern village buildings around and the old agricultural fields around the village have many modern residential buildings.		
Historical Appraisal: The houses were built by the father of Shing Lin-kwong, who was vice president of the Ping Shan rural Committee in 1952. The houses were used by the Shing family as residences until the 1960's.		
Associated Historical/ Cultural Events or Individual: None		
Inscriptions: None		
Architectural Appraisal: It is a Qing vernacular style structure with one hall and one courtyard at the front which is open. It is constructed of green brick walls with a pitched tile main roof supported by timber purlins. There is a decorative frieze under the façade eaves and a decorative door hood. The door also has a granite lintel and base. The open area for grain drying in front of the terrace row known as a wo tong.		
Interior: The interior consists of a pantry, living area, bedroom and cockloft with a rice polishing mill in the living room. There is also a grain drying area outside of the house.		
Existing Condition: Poor. The door of the building has collapsed. The interior courtyard is in very poor condition.		
Past and Present Uses: Domestic/ Residential/ Currently vacant		
Notes on modifications: No major renovations		

Photographic Record:



Entrance to No. 41 Shing Uk Tsuen



Detail View of Door hood and decorative Frieze panel of no. 41 Shing Uk Tsuen

Site Code: GB-6D	Title: No. 42 Shing Uk Tsuen	Category: Domestic/ Residential
Address: No. 42 Shing Uk Tsuen		Reference Plan: Figure 2.11.4a
Orientation: Southwest		Grading: Grade 3
Surrounding Environment: The terrace row is at the back of the village. There are modern village buildings around and the old agricultural fields around the village have many modern residential buildings.		
Historical Appraisal: The houses were built by the father of Shing Lin-kwong, who was vice president of the Ping Shan rural Committee in 1952. The houses were used by the Shing family as residences until the 1960's.		
Associated Historical/ Cultural Events or Individual: None		
Inscriptions: None		
Architectural Appraisal: It is a Qing vernacular style structure with one hall and one courtyard at the front which is currently covered by a flat roof. It is constructed of green brick walls with a pitched tile main roof supported by timber purlins. There is a decorative frieze under the façade eaves and a decorative door hood, but the patterns have been worn away. The open area for grain drying in front of the terrace row known as a wo tong.		
Interior: The interior consists of a pantry, living area, bedroom and cockloft with a rice polishing mill in the living room. There is also a grain drying area outside of the house.		
Existing Condition: Poor		
Past and Present Uses: Domestic/ Residential		
Notes on modifications: Metal gate has been added and there is plant growth in the courtyard area.		

Photographic Record:



View of the Entrance of No. 42 Shing Uk Tsuen



View of the Door Hood and Frieze Panel on No. 43 Shing Uk Tsuen

Site Code: GB-6E	Title: No. 43 Shing Uk Tsuen	Category: Domestic/ Residential
Address: No. 43 Shing Uk Tsuen		Reference Plan: Figure 2.11.4a
Orientation: Southwest		Grading: Grade 3
Surrounding Environment: The terrace row is at the back of the village. There are modern village buildings around and the old agricultural fields around the village have many modern residential buildings.		
Historical Appraisal: The houses were built by the father of Shing Lin-kwong, who was vice president of the Ping Shan rural Committee in 1952. The houses were used by the Shing family as residences until the 1960's.		
Associated Historical/ Cultural Events or Individual: None		
Inscriptions: None		
Architectural Appraisal: It is a Qing vernacular style structure with one hall and one courtyard at the front which is currently covered by a flat roof. It is constructed of green brick walls with a pitched tile main roof supported by timber purlins. There is a decorative frieze under the façade eaves and a decorative door hood, but the patterns have been worn away.. The open area for grain drying in front of the terrace row known as a wo tong.		
Interior: The interior consists of a pantry, living area, bedroom and cockloft with a rice polishing mill in the living room. There is also a grain drying area outside of the house.		
Existing Condition: Poor		
Past and Present Uses: Domestic/ Residential		
Notes on modifications: Metal gate has been added.		

Site Code: GB-7	Title: No. 40 Fuk Hing Tsuen	Category: Domestic/ Residential
Address: No. 40 Fuk Hing Tsuen		Reference Plan: Figure 2.11.4b
Orientation: Southwest		Grading: Grade 3
Surrounding Environment: The terrace row is in the 4th of seven rows of the village. There are modern village buildings around and the old agricultural fields around the village have many modern residential buildings.		
Historical Appraisal: The house at No. 40 Fuk Hing Tsuen was built by Wong Chong yip as a family residence. Five generations of the family once occupied the building and it was also used for family celebrations and gatherings. The house was vacated by the family in 1992.		
Associated Historical/ Cultural Events or Individual: None		
Inscriptions: None		
Architectural Appraisal: It is a Qing vernacular style structure with one hall and one courtyard at the front which is currently covered by a flat roof. It is constructed of green brick. The main roof of the building is pitched with tile covering.		
Interior: The interiors of the buildings consist of a pantry, living area, bedroom and cockloft with a rice polishing mill in the living room.		
Existing Condition: Poor		
Past and Present Uses: Domestic/ Residential		
Notes on modifications: The building has been damaged by construction of a new unit replacing No. 39.		

Photographic Record:



Façade of No. 40 Fuk Hing Tsuen



East Elevation of No. 40 Fuk Hing Tsuen

Site Code: GB-8	Title: No. 41 Fuk Hing Tsuen	Category: Domestic/ Residential
Address: No. 41 Fuk Hing Tsuen		Reference Plan: Figure 2.11.4b
Orientation: Southwest		Grading: Grade 3
Surrounding Environment: The terrace row is in the 4th of seven rows of the village. There are modern village buildings around and the old agricultural fields around the village have many modern residential buildings.		
Historical Appraisal: The house at No. 41 was built by Li Fuk-tai more than 100 years ago. It was used by the Li family until the late 1950's. It has not been used in recent years.		
Associated Historical/ Cultural Events or Individual: The Li family traditionally celebrated festivals at the house.		
Inscriptions: None		
Architectural Appraisal: It is a Qing vernacular style structure with one hall and one courtyard at the front which is currently covered by a flat roof. It is constructed of green brick. There is a pitched roof of timber rafters, purlins and clay tiles over the main section of the building.		
Interior: There is a living area at the front of the hall with a bedroom at the back. There is also a cockloft above the bedroom.		
Existing Condition: Poor		
Past and Present Uses: Domestic/ Residential		
Notes on modifications: The facade of the building has been painted yellow. The floors have been covered with cement.		

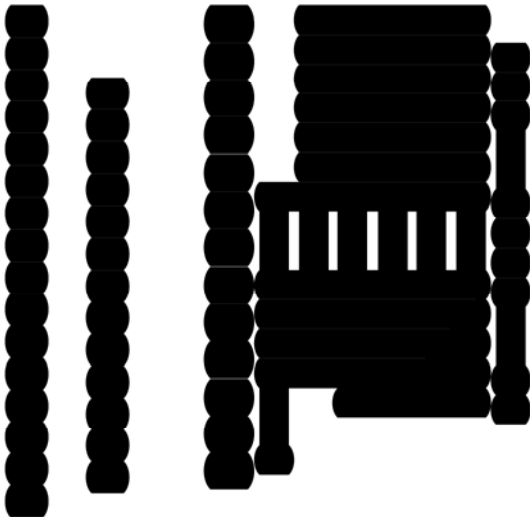
Photographic Record:



Façade of No. 41 Fuk Hing Tsuen



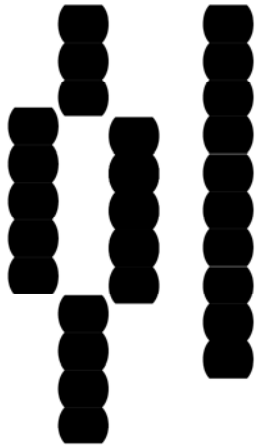
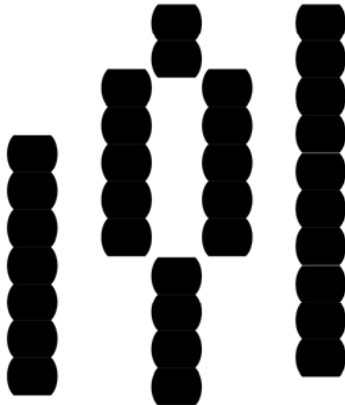
East Elevation of No. 41 Fuk Hing Tsuen

Ref. #: G1	Family: [REDACTED]	Location: Shui Tin Tsuen, Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription:
Date of original burial:	Renovation: [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Description: [REDACTED] [REDACTED] [REDACTED]		
Additional Notes: None		

Photographic Record



View of Grave G1

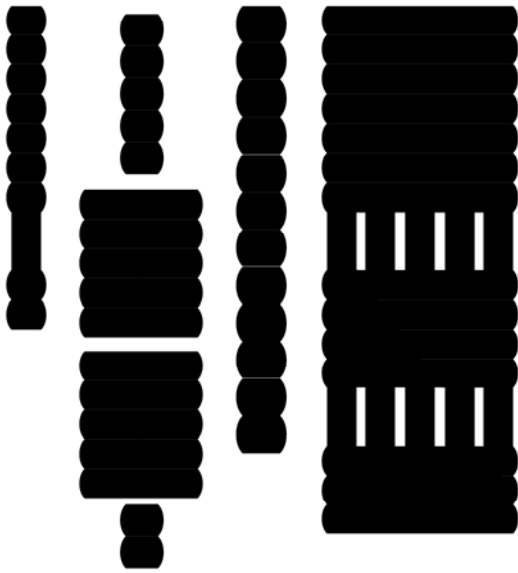
Ref. #: G2	Family: [REDACTED]	Location: Shui Tin Tsuen, Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription (right plaque): 
Date of original burial:	Renovation: [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] Description: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] Additional Notes: None		Inscription (left plaque): 

Photographic Record



View of Grave G2

Ref. #: G3	Family: [REDACTED] [REDACTED]	Location: Shui Tin Tsuen
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription:
Date of original burial: [REDACTED] [REDACTED] [REDACTED] [REDACTED]	Renovation: [REDACTED] [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] Description: [REDACTED] [REDACTED] [REDACTED] Additional Notes: None		



	Inscription of side grave:

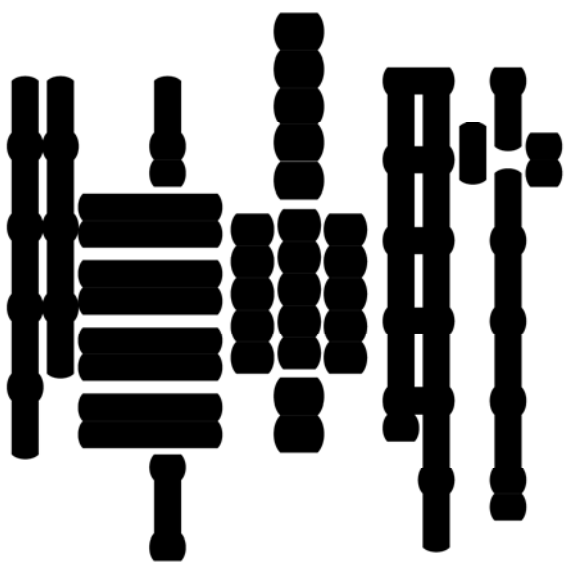
Photographic Record

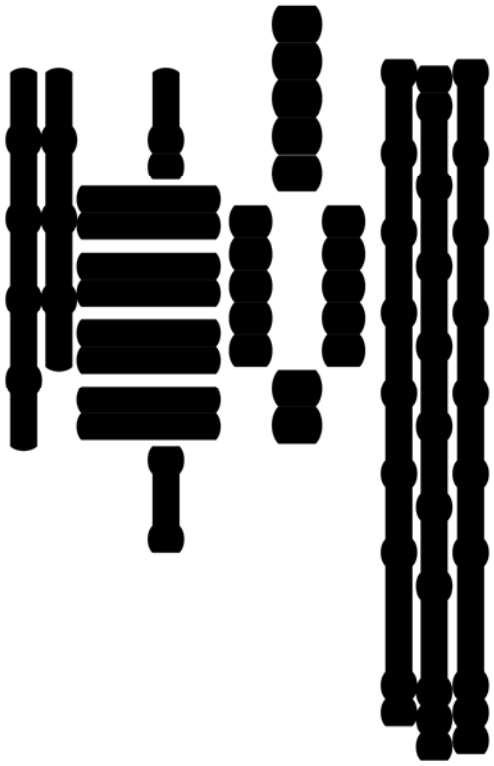


View of Grave G3



View of side grave of Grave G3

Ref. #: G4	Family: Tang [REDACTED] [REDACTED]	Location: Shui Tin Tsuen Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription (left grave):
Date of original burial: [REDACTED]	Renovation: [REDACTED] [REDACTED] [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Description: [REDACTED] [REDACTED] [REDACTED] Additional Notes: None		

Inscription (right grave):	Inscription (middle grave):
	

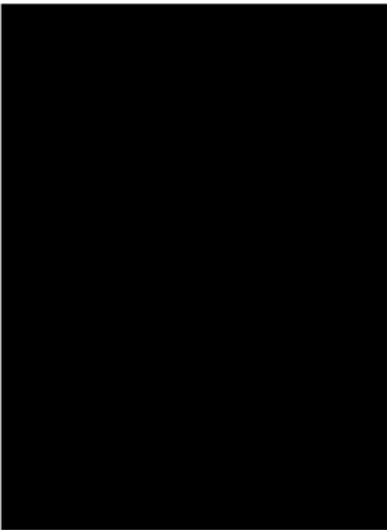
Photographic Record



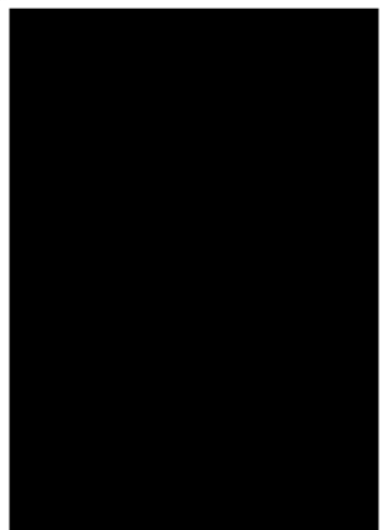
View of Grave G4



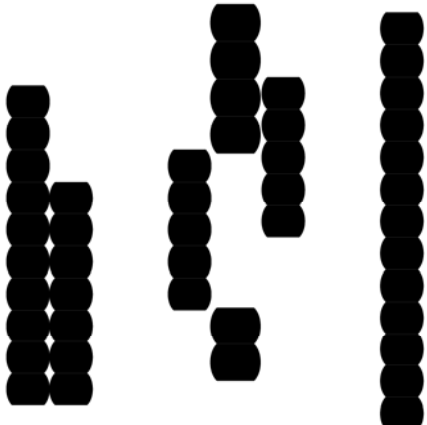
View of Left Inscription Plaque



View of Middle Inscription Plaque



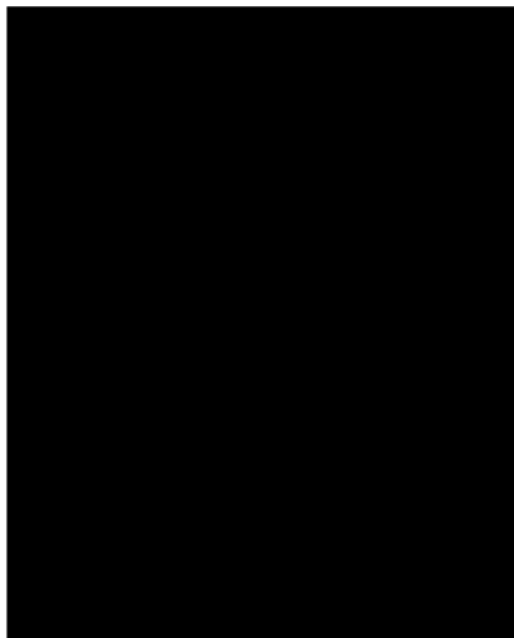
View of Right Inscription Plaque

Ref. #: G5	Family: [REDACTED] [REDACTED]	Location: Shui Tin Tsuen, Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription: 
Date of original burial: [REDACTED]	Renovation: [REDACTED]	
Dimensions:  Description: 		
Additional Notes: None		

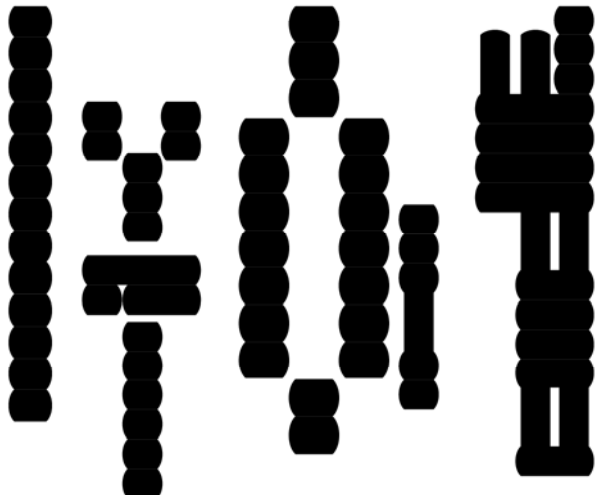
Photographic Record



General View of Grave G5



Inscription Plaque of Grave G5

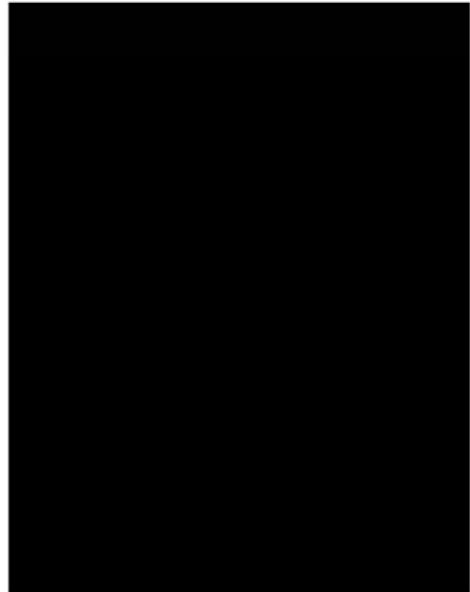
Ref. #: G6	Family: [REDACTED]	Location: Shui Tin Tsuen, Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription: 
Date of original burial: [REDACTED]	Renovation: [REDACTED]	
Dimensions: [REDACTED] Description: [REDACTED] [REDACTED] [REDACTED] Additional Notes: None		

	Inscription (side shrine): 
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Photographic Record



View of Grave G6



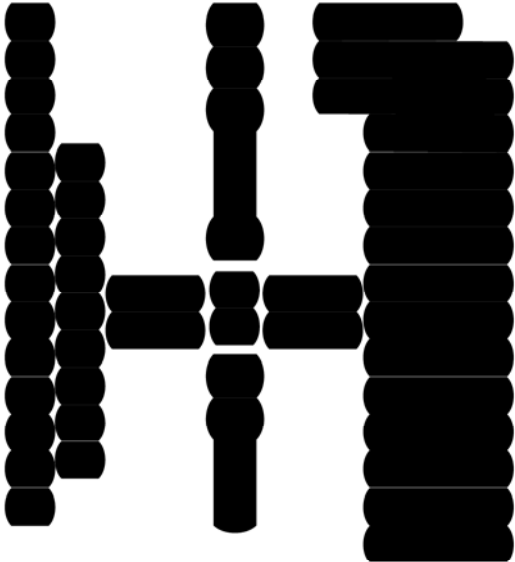
Inscription Plaque of Grave G6



View of the Side Shrine



Side Shrine Inscription

Ref. #: G7	Family: [REDACTED] [REDACTED]	Location: Wang Chau Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription: 
Date of original burial: [REDACTED]	Renovation: [REDACTED] [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Description: [REDACTED] [REDACTED] [REDACTED]		
Additional Notes: [REDACTED]		

Photographic Record



View of Grave G7

Ref. #: G8	Family: [REDACTED]	Location: Wang Chau Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription: No Plaque
Date of original burial: [REDACTED]	Renovation: [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Description: [REDACTED] [REDACTED]		
Additional Notes: None		

Photographic Record



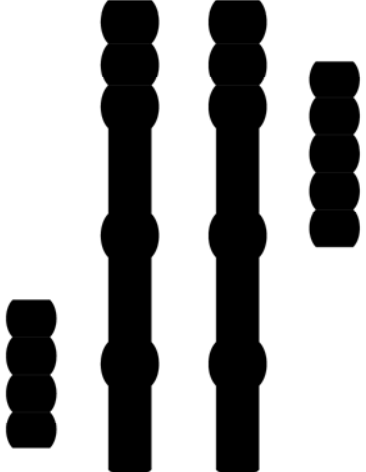
View of Grave G8

Ref. #: G9	Family: [REDACTED]	Location: Wang Chau Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription:
Date of original burial: [REDACTED]	Renovation: [REDACTED] [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Description: [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Additional Notes: None		

Photographic Record



View of Grave G9

Ref. #: G10	Family: [REDACTED]	Location: Wang Chau Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription:
Date of original burial: [REDACTED]	Renovation: [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Description: [REDACTED] [REDACTED]		
Additional Notes: None		

Photographic Record



View of Grave G10

Site Code: S1	Title: Pak Kung Shrine	Category: Religious, Ritual and Funerary
Address: Wang Chau, Yuen Long (Northwest of Fung Chi Tsuen)		Reference Plan: Figure 2.11.4c
Orientation: Northwest		Grading: Ungraded
Surrounding Environment: The shrine is situated at the side of a footpath. There are residential compounds in the area, but no traditional village layout.		
Historical Appraisal: The shrine has associations with Shui Tin Tsuen.		
Associated Historical/ Cultural Events or Individual: None		
Inscriptions: 伯 公 德 恩 千 萬 年 古 在 存		
Architectural Appraisal: The shrine is a small concrete box shaped structure with open front. All exterior surfaces are covered by concrete. There are wok yee style gables and the gable frieze is painted red. There is also a small shrine just to the southwest of the main one with a small plaque (inscription has worn away and cannot be read) and a small offerings burner.		
Interior: The shrine is set up to have a small room with open front. The interior consists of plain walls and floor and traditional style tile roof supported by wooden purlins and battens. There is an altar with cut granite incense holder with offering boxes on either side.		
Existing Condition: Good. The shrine is being maintained though some		
Past and Present Uses: Domestic/ Residential and currently abandoned.		
Notes on modifications: No major modifications have been made.		

Photographic Record:



Front View of the Shrine



Rear View of the Shrine



Side Shrine with statue and offerings burner



Plaque of the side Shrine



Offering surface in front of the shrine



Interior of the Shrine



Inscription on Left Side of Shrine



Inscription on Right Side of Shrine

Site Code: W1	Title: Well and Shrine	Category: Religious, Ritual and Funerary
Address: Wang Chau, Yuen Long (To the West of Fuk Hi Street)		Reference Plan: Figure 2.11.4c
Orientation: Northwest		Grading: Nil Grade
Surrounding Environment: The well and shrine are situated at the side of a footpath. There are residential buildings and squatter style settlements in the area, but no traditional village layout. It is located at the base of a small hill slope.		
Historical Appraisal: The well has a plaque that states that the well can only be used at certain times of the day and that the water cannot be used for irrigation. The plaque has a date of 1912 written on it and it would seem that the date refers to the notice for usage as opposed to the construction date. The original date of the well is not known.		
Associated Historical/ Cultural Events or Individual: None		
Inscriptions: Note on well usage from 1912.		
Architectural Appraisal: The well has a stone lined shaft and is surrounded by a six-sided cut granite platform. There is a low boundary wall along the western side of the well platform. The eastern side is slightly lower than the surrounding land and has a step down onto the well platform from the footpath.		
Interior: N/A		
Existing Condition: Good. The stone platform and shaft of the well are in very good condition. The boundary wall is well maintained.		
Past and Present Uses: Religious, Ritual and Funerary		
Notes on modifications: No major modifications have been made.		



View of the well, platform and shrine



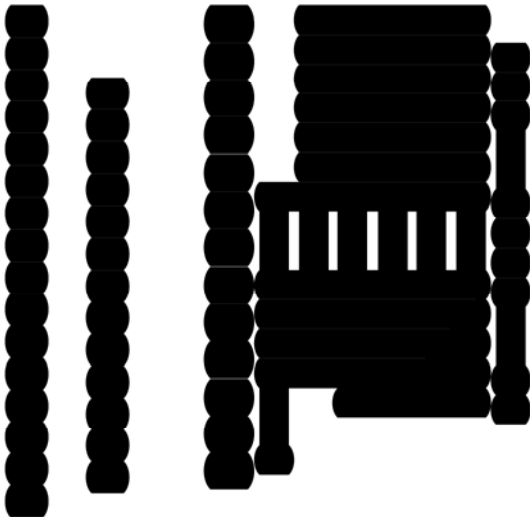
Detail view of the well opening



Detail view of the shrine

Appendix 2.11.4

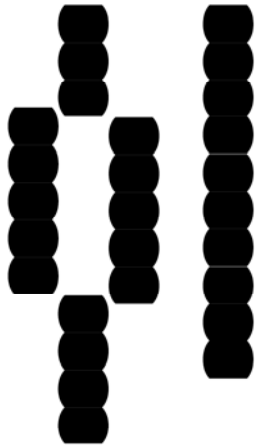
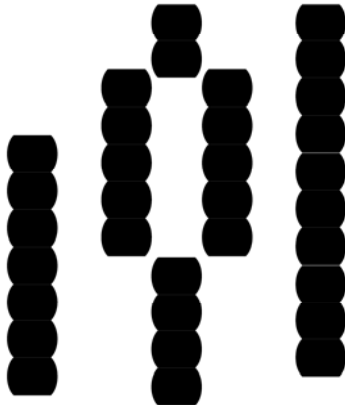
Grave catalogue

Ref. #: G1	Family: [REDACTED]	Location: Shui Tin Tsuen, Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription:
Date of original burial:	Renovation: [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Description: [REDACTED] [REDACTED] [REDACTED]		
Additional Notes: None		

Photographic Record



View of Grave G1

Ref. #: G2	Family: [REDACTED]	Location: Shui Tin Tsuen, Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription (right plaque): 
Date of original burial:	Renovation: [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] Description: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] Additional Notes: None		Inscription (left plaque): 

Photographic Record



View of Grave G2

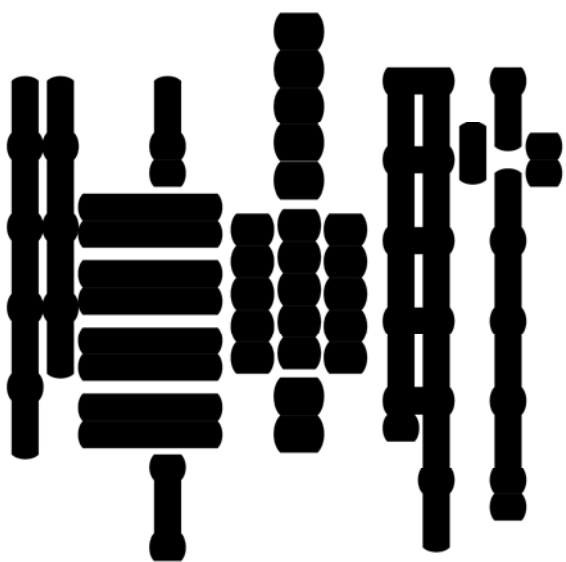
Photographic Record

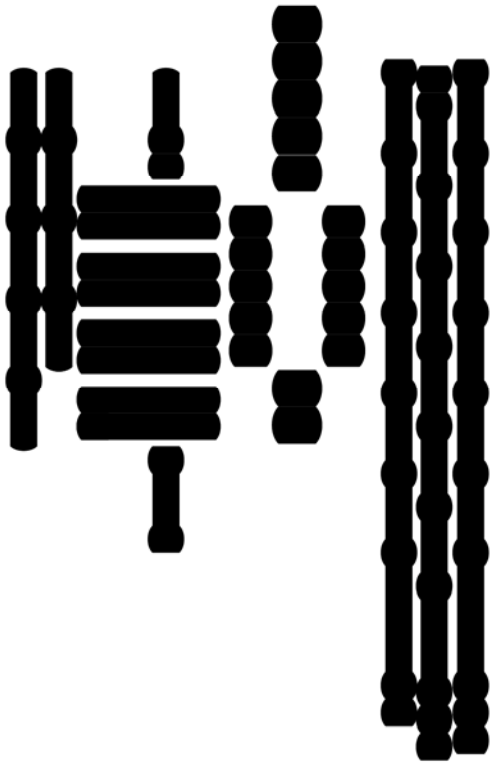


View of Grave G3



View of side grave of Grave G3

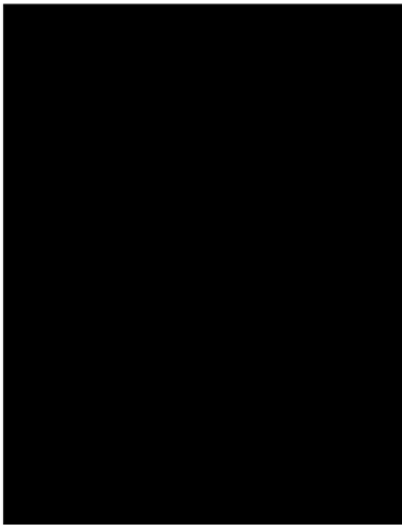
Ref. #: G4	Family: [REDACTED] [REDACTED] [REDACTED]	Location: Shui Tin Tsuen Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription (left grave):
Date of original burial: [REDACTED]	Renovation: [REDACTED] [REDACTED] [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Description: [REDACTED] [REDACTED] [REDACTED]		
Additional Notes: None		

Inscription (right grave):	Inscription (middle grave):
	

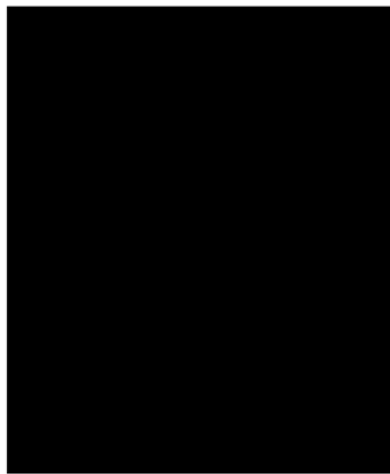
Photographic Record



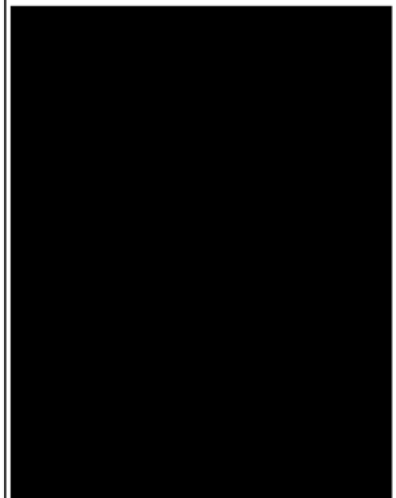
View of Grave G4



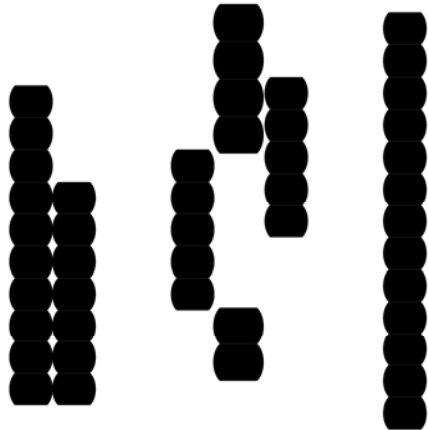
View of Left Inscription Plaque



View of Middle Inscription Plaque



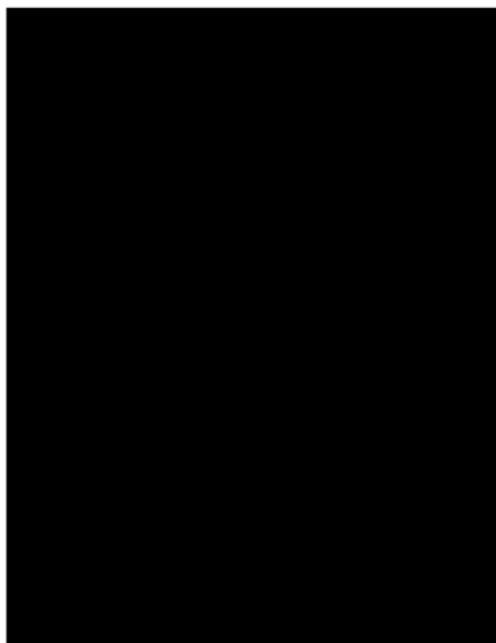
View of Right Inscription Plaque

Ref. #: G5	Family: [REDACTED] [REDACTED]	Location: Shui Tin Tsuen, Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription:
Date of original burial: [REDACTED]	[REDACTED] [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] Description: [REDACTED] [REDACTED] [REDACTED]		
Additional Notes: None		

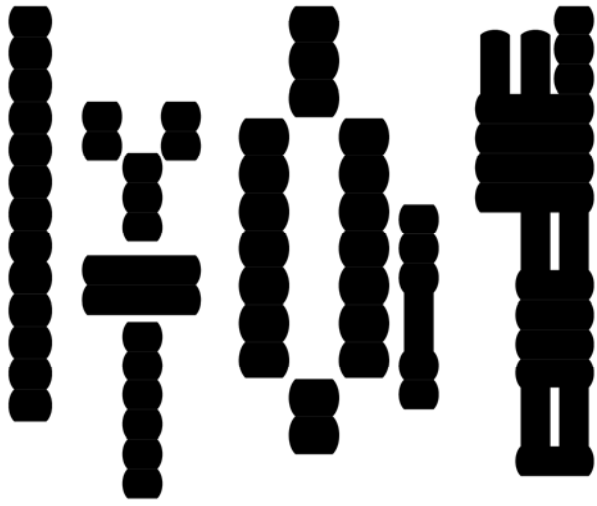
Photographic Record



General View of Grave G5



Inscription Plaque of Grave G5

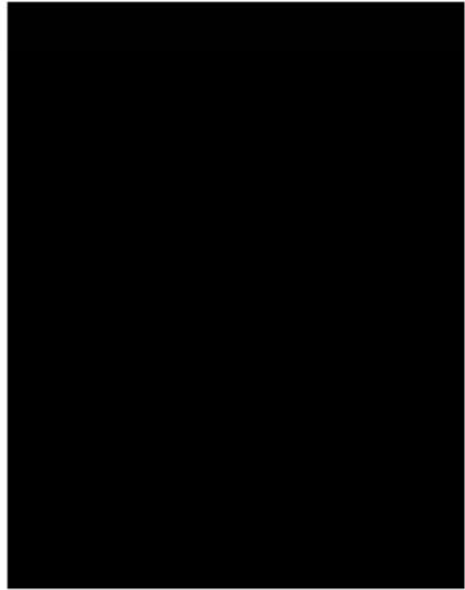
Ref. #: G6	Family: [REDACTED]	Location: Shui Tin Tsuen, Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription: 
Date of original burial: [REDACTED]	Renovation: [REDACTED]	
Dimensions: [REDACTED] Description: [REDACTED] [REDACTED] [REDACTED] Additional Notes: None		

	Inscription (side shrine):
	

Photographic Record



View of Grave G6



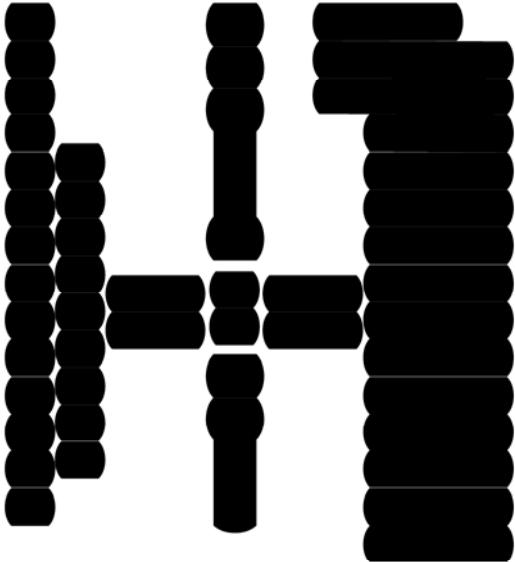
Inscription Plaque of Grave G6



View of the Side Shrine



Side Shrine Inscription

Ref. #: G7	Family: [REDACTED] [REDACTED]	Location: Wang Chau Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription: 
Date of original burial: [REDACTED]	Renovation: [REDACTED] [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Description: [REDACTED] [REDACTED] [REDACTED]		
Additional Notes: [REDACTED]		

Photographic Record



View of Grave G7

Ref. #: G8	Family: [REDACTED]	Location: Wang Chau Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription: [REDACTED]
Date of original burial: [REDACTED]	Renovation: [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Description: [REDACTED] [REDACTED]		
Additional Notes: None		

Photographic Record



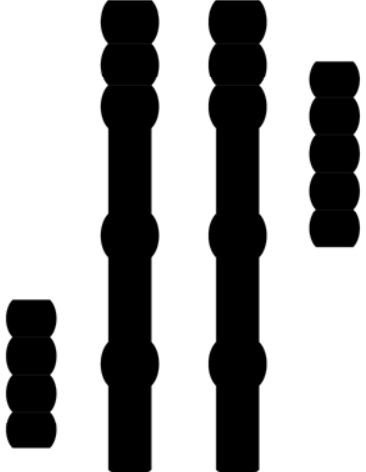
View of Grave G8

Ref. #: G9	Family: [REDACTED]	Location: Wang Chau Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	
Date of original burial: [REDACTED]	Renovation: [REDACTED] [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Description: [REDACTED] [REDACTED] [REDACTED] [REDACTED]		Inscription: [REDACTED]
Additional Notes: None		

Photographic Record



View of Grave G9

Ref. #: G10	Family: [REDACTED]	Location: Wang Chau Yuen Long
Figure Ref: Figure 2.11.4c	Orientation: [REDACTED]	Inscription:
Date of original burial: [REDACTED]	Renovation: [REDACTED]	
Dimensions: [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]		
Description: [REDACTED] [REDACTED]		
Additional Notes: None		

Photographic Record



View of Grave G10

Appendix 2.11.5

Photographs of nil grade heritage
resources



Plate 1

HB-1: Kwong Ling Tong at No. 6A Shing Uk Tsuen



Plate 2

HB-2: Village House in Shing Uk Tsuen

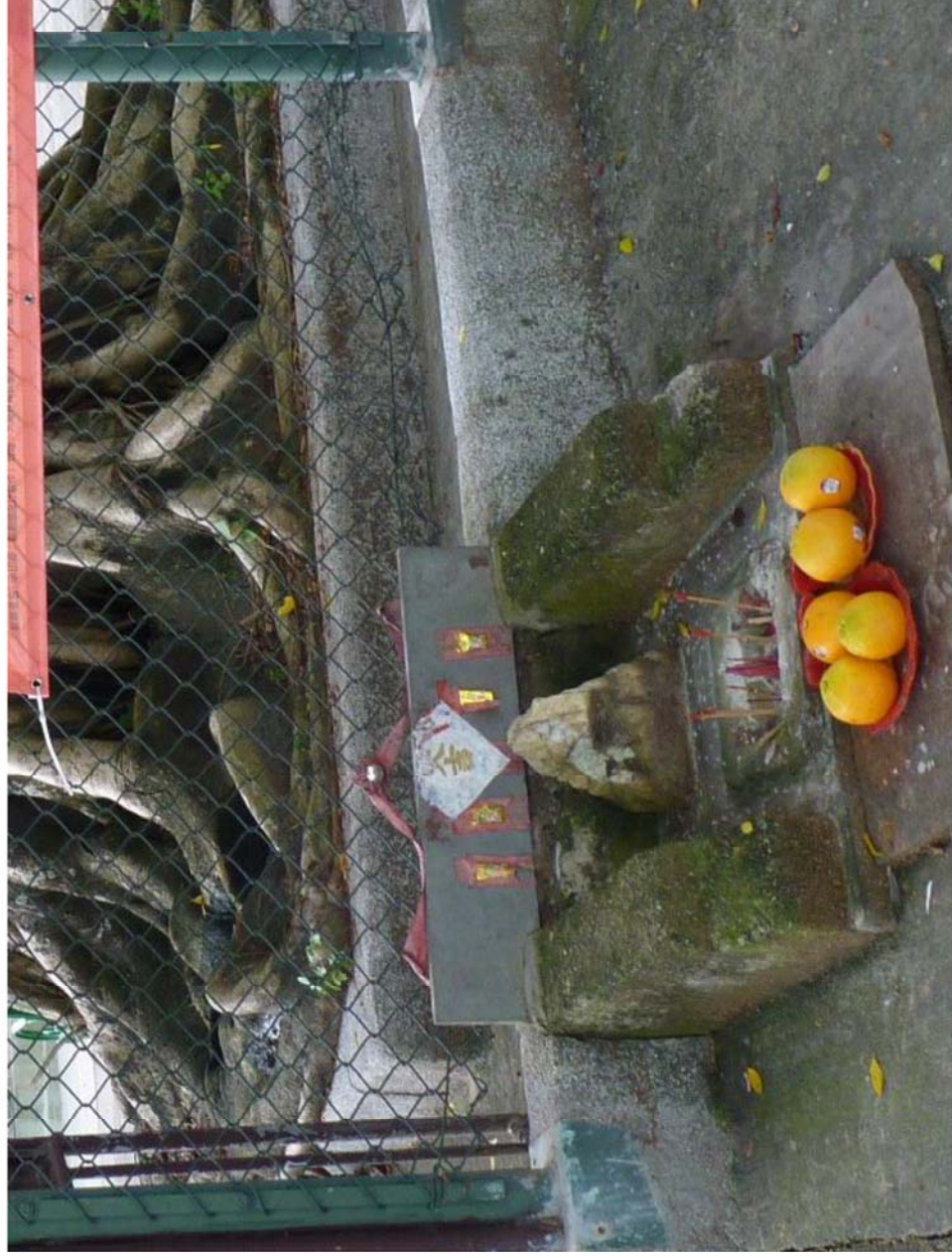


Plate 3

HB-3: Shrine in Shing Uk Tsuen



Plate 4

HB-4: House Ruin beside No. 11 Shing Uk Tsuen



Plate 5

HB-5: Village House at No. 11 Shing Uk Tsuen



Plate 6

HB-6: Old Shed behind No. 6A Shing Uk Tsuen



Plate 7

HB-7: Two Village Houses at No. 13 and 13A Shing Uk Tsuen

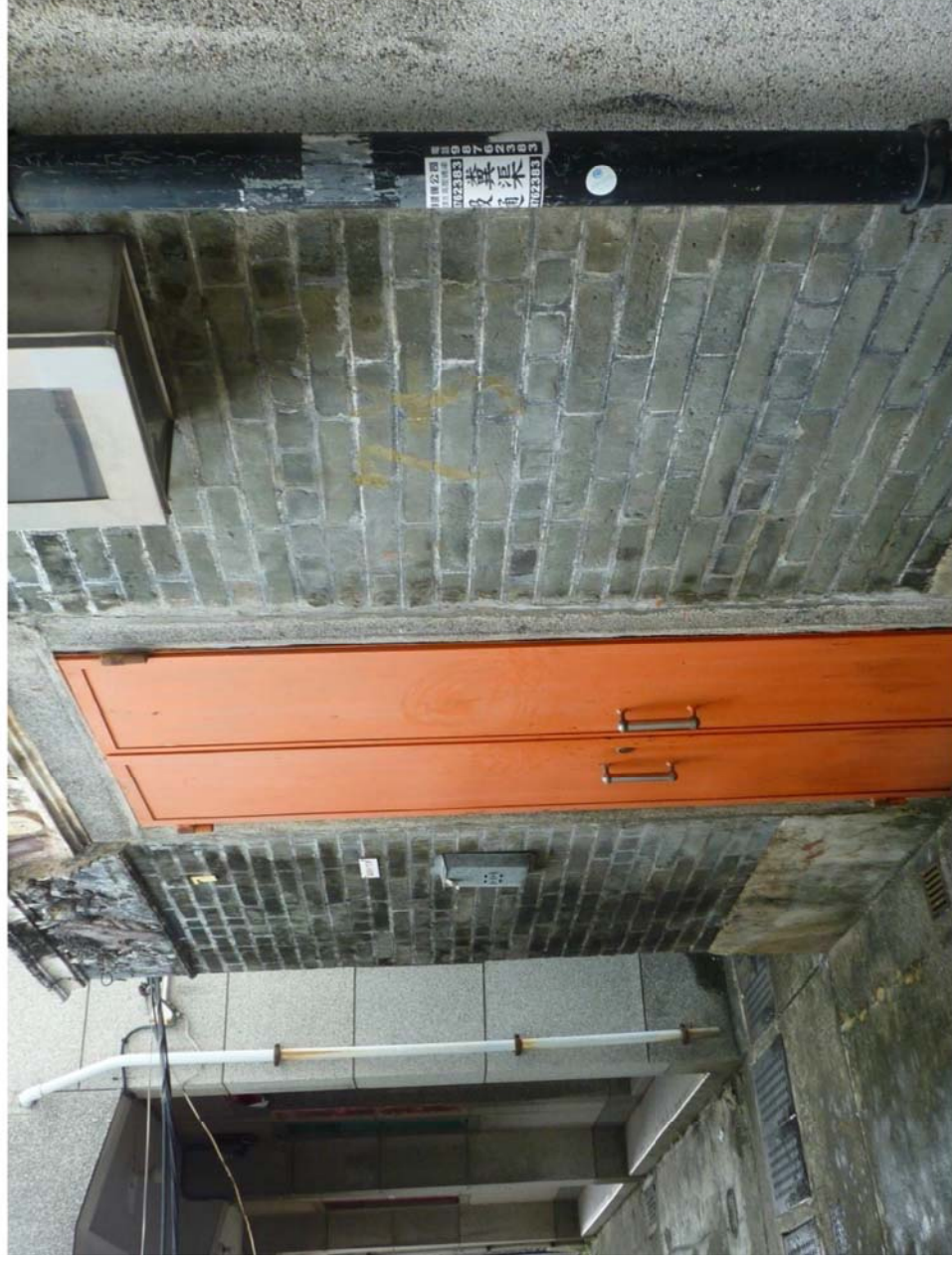


Plate 8

HB-8: Village House at No. 15 Shing Uk Tsuen

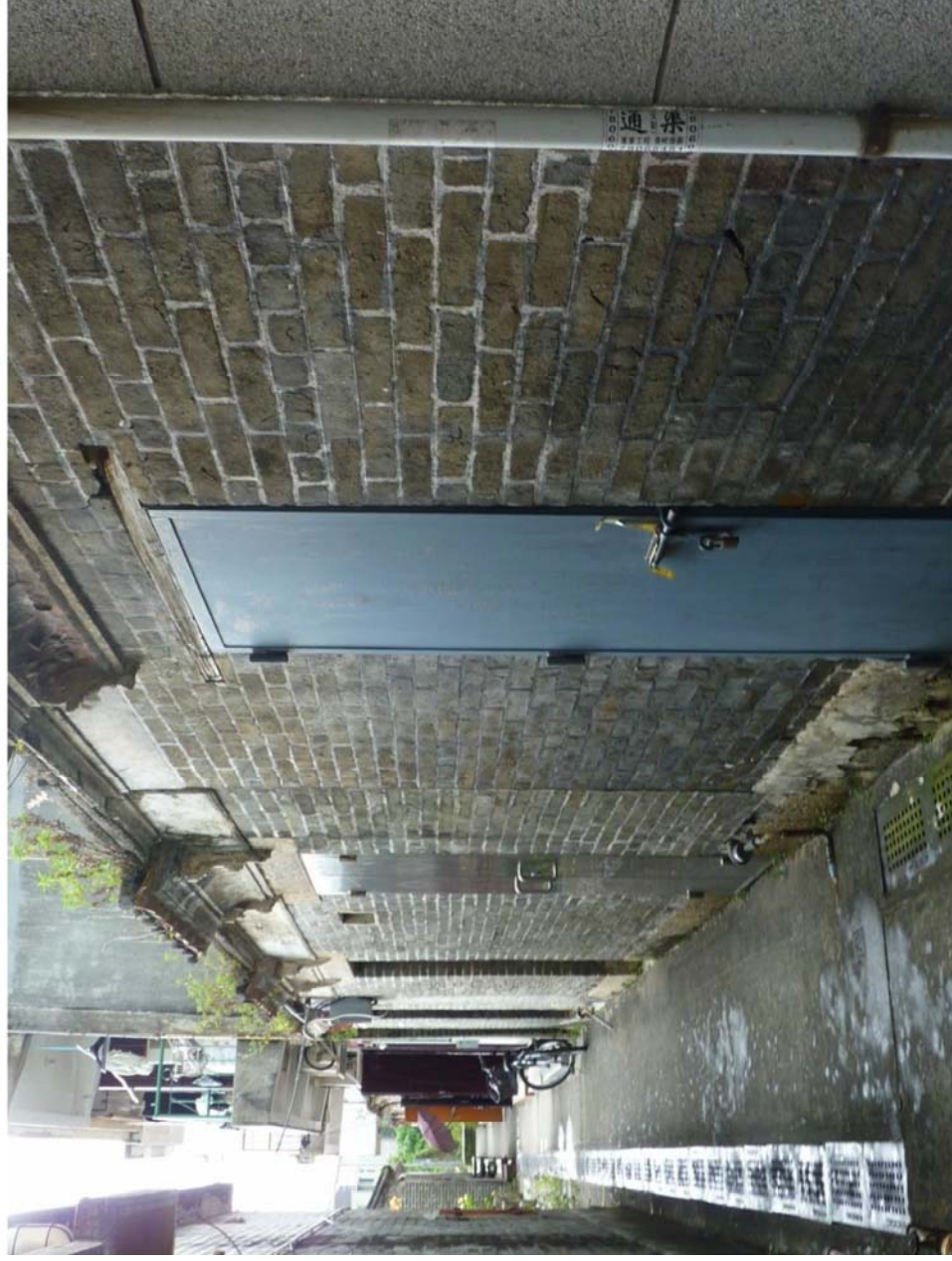


Plate 9

HB-9: Four village houses at No. 18, No. 19, No. 20 & No. 21

Shing Uk Tsuen



Plate 10

HB-10: Three village houses at No. 24, No. 25 and No. 25A Shing Uk Tsuen



Plate 11

HB-11: Three village houses at No. 26, No. 27 and No. 28 Shing Uk Tsuen



Plate 12

HB-12: Village House at No. 1 Shing Uk Tsuen



Plate 13

HB-13: Village House at No. 2 Shing Uk Tsuen



Plate 14

HB-14: Village Houses at No. 3 and No. 4 Shing Uk Tsuen



Plate 15

HB-15: Village House ruins at Shing Uk Tsuen



Plate 16

HB-16: Ancestral Hall at No. 30 Shing Uk Tsuen

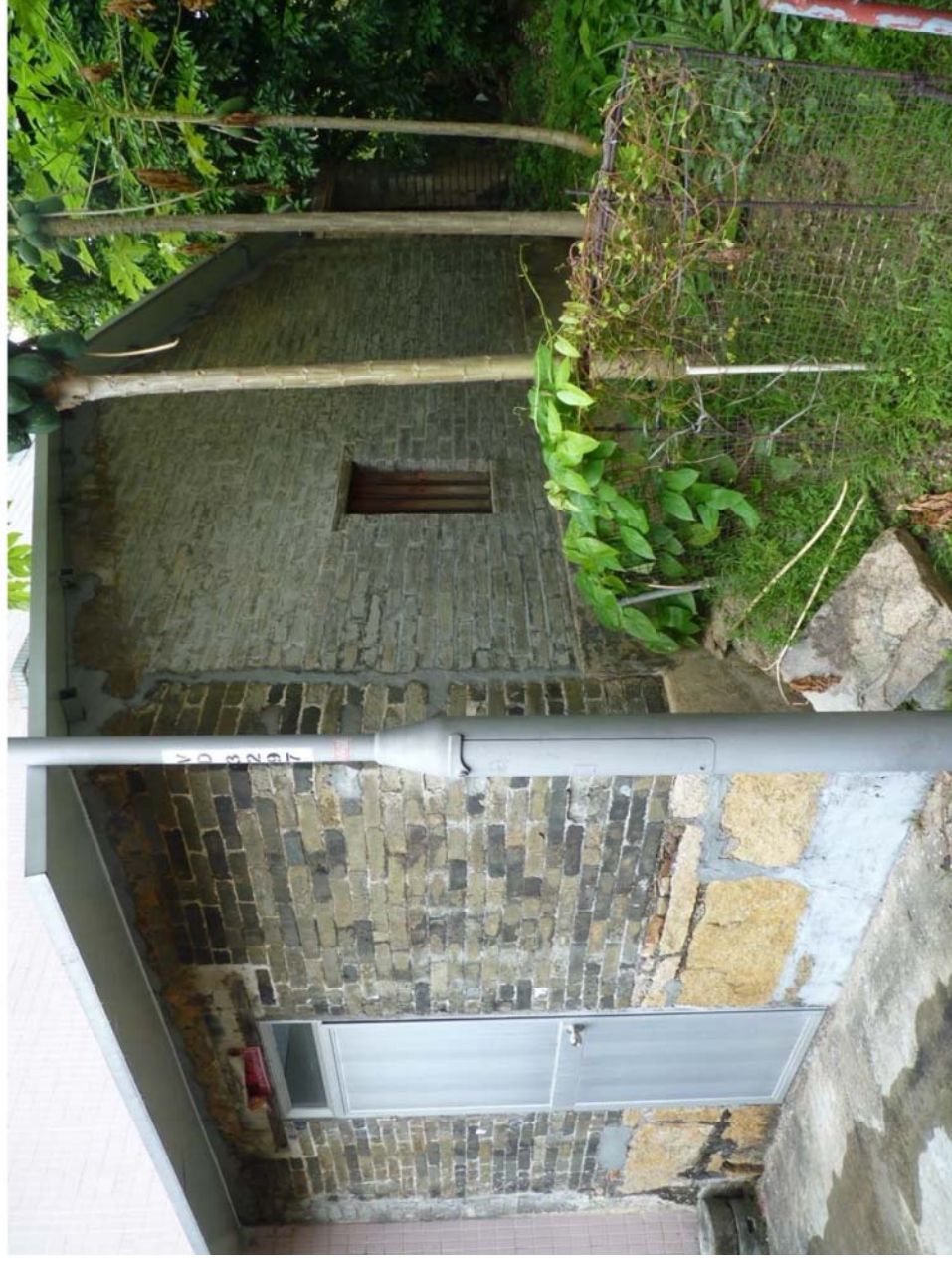


Plate 17

HB-17: Village House beside No. 30 Shing Uk Tsuen



Plate 18

HB-18: Village House ruin at Shing Uk Tsuen



Plate 19

HB-19: Village House ruins at No. 37 and No. 38 Shing Uk Tsuen



Plate 20

HB-20: Village House ruin in Shing Uk Tsuen



Plate 21

HB-21: Shrine at Tai Tseng Wai



Plate 22

HB-22: Entrance Gate of Tai Tseng Wai



Plate 23

HB-23: Village house at No. 58 Tai Tseng Wai



Plate 24

HB-24: Village House at No. 58 Tai Tseng Wai



Plate 25

HB-25: Village house at No. 54 Tai Tseng Wai



Plate 26

HB-26: Village houses at No. 50 and No. 51 Tai Tseng Wai



Plate 27

HB-27: Gateway near No. 6 and No. 62 Tai Tseng Wai



Plate 28

HB-28: Village houses at No. 6 and No. 62 Tai Tseng Wai



Plate 29

HB-29 : Village House at No. 65 Tai Tseng Wai



Plate 30

HB-30: Village House at No. 67 Tai Tseng Wai



Plate 31

HB-31: Village Shrine at Tai Tseng Wai



Plate 32

HB-32: Village houses beside No. 80 Tai Tseng Wai



Plate 33

HB-33: Village house beside No. 74 Tai Tseng Wai



Plate 34

HB-34: Village house at No. 21 Tai Tseng Wai



Plate 35

HB-35: Three village houses at No. 47 and units on both sides at Tai Tseng Wai



Plate 36

HB-36: Three village houses at No. 46 and No. 45 and unit in between at
Tai Tseng Wai



Plate 37

HB-37: Village house ruin at No. 17 Tai Tseng Wai



Plate 38

HB-38: Village houses at Nos. 41 to 43 Tai Tseng Wai



Plate 39

HB-39: Village houses at No. 15 Tai Tseng Wai



Plate 40

HB-40: Village house ruin at No. 14 Tai Tseng Wai



Plate 41

HB-41: Village house ruin beside No. 26 Tai Tseng Wai



Plate 42

HB-42: Village house ruin at No. 39 Tai Tseng Wai



Plate 43

HB-43: Village house near No. 43 Tai Tseng Wai



Plate 44

HB-44: Village house ruin at No. 35 Tai Tseng Wai



Plate 45

HB-45: Village house at No. 8 Tai Tseng Wai



Plate 46

HB-46: Village house at No. 7 Tai Tseng Wai



Plate 47

HB-47: Village house at No. 13 Tai Tseng Wai



Plate 48

HB-48: Village house beside No. 26 Tai Tseng Wai



Plate 49

HB-49: Two village houses at No. 61 and No. 62 Tai Tseng Wai



Plate 50

HB-50: Village house at No. 6A at Tai Tseng Wai



Plate 51

HB-51: Kau Yan Public School at Ng Uk Tsuen



Plate 52

HB-52: Shrine at Ng Uk Tsuen



Plate 53

HB-53: Shrine at Ng Uk Tsuen



Plate 54

HB-54: Village House between No. 8 and No. 9 Ng Uk Tsuen

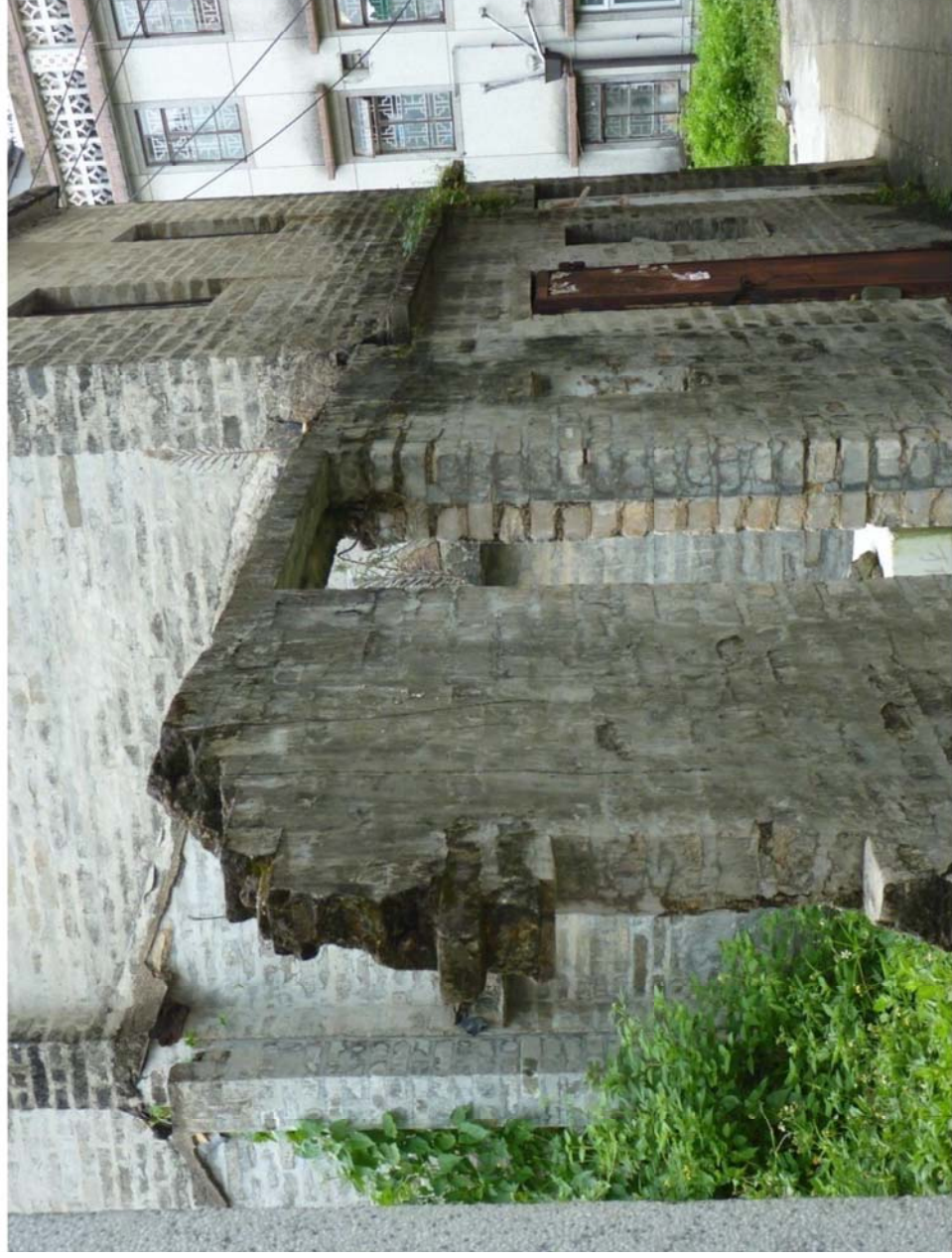


Plate 55

HB-55: Behind No. 8 and No. 9 Ng Uk Tsuen



Plate 56

HB-56: Behind No. 10A Ng Uk Tsuen



Plate 57

HB-57: Village house at No. 59 Ng Uk Tsuen



Plate 58

HB-58: Village house ruin at Ng Uk Tsuen



Plate 59

HB-59: Village house ruin beside No. 83 at Ng Uk Tsuen



Plate 60

HB-60 : Village house ruin beside No. 83CNg Uk Tsuen



Plate 61

HB-61: Village house ruins at back row of Ng Uk Tsuen



Plate 62

HB-62: Village house at No. 85 Ng Uk Tsuen



Plate 63

HB-63: Village houses at No. 67 and No. 68 Ng Uk Tsuen



Plate 64

HB-64: Ruins of village house at Ng Uk Tsuen

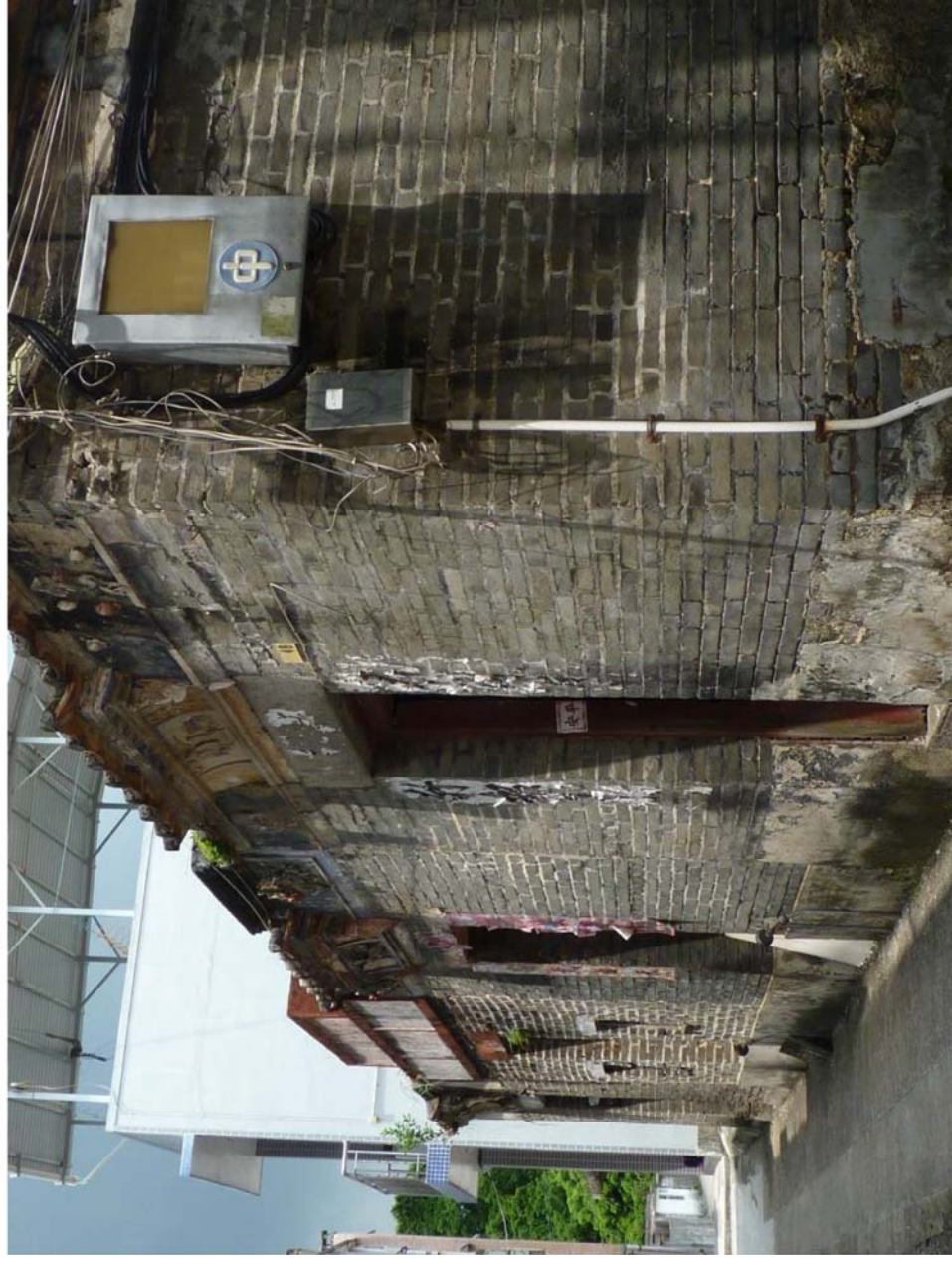


Plate 65

HB-65: Four village houses at No. 61, No. 62, No. 63 and No. 64 Ng Uk Tsuen

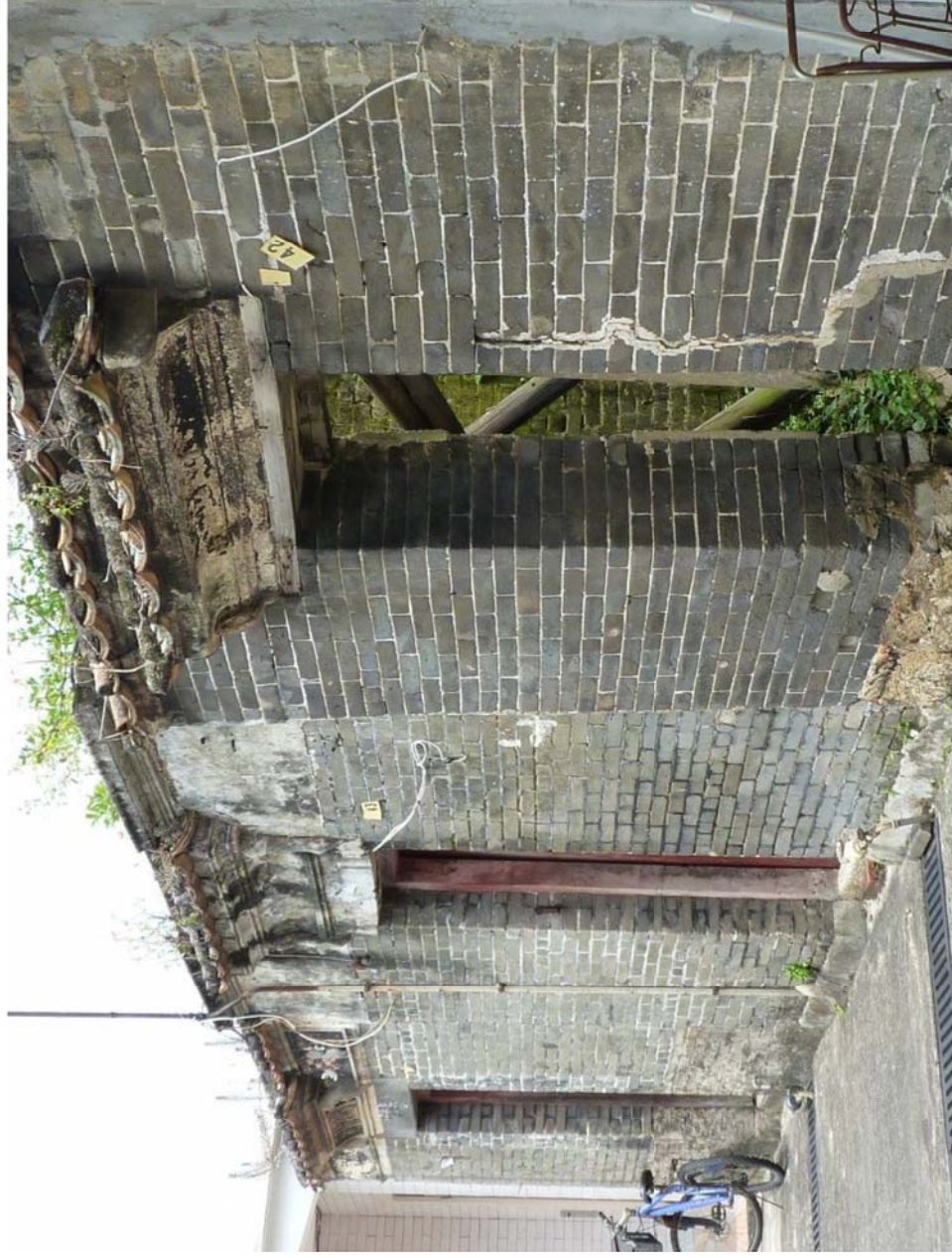


Plate 66

HB-66: Three village houses at No. 58 and No. 59 Ng Uk Tsuen



Plate 67

HB-67: Four village houses at No. 37, No. 38 and No. 39 and ruin at Ng Uk Tsuen



Plate 68

HB-68: Tsz Tong at No. 35 Ng Uk Tsuen



Plate 69

HB-69: Well at Ng Uk Tsuen

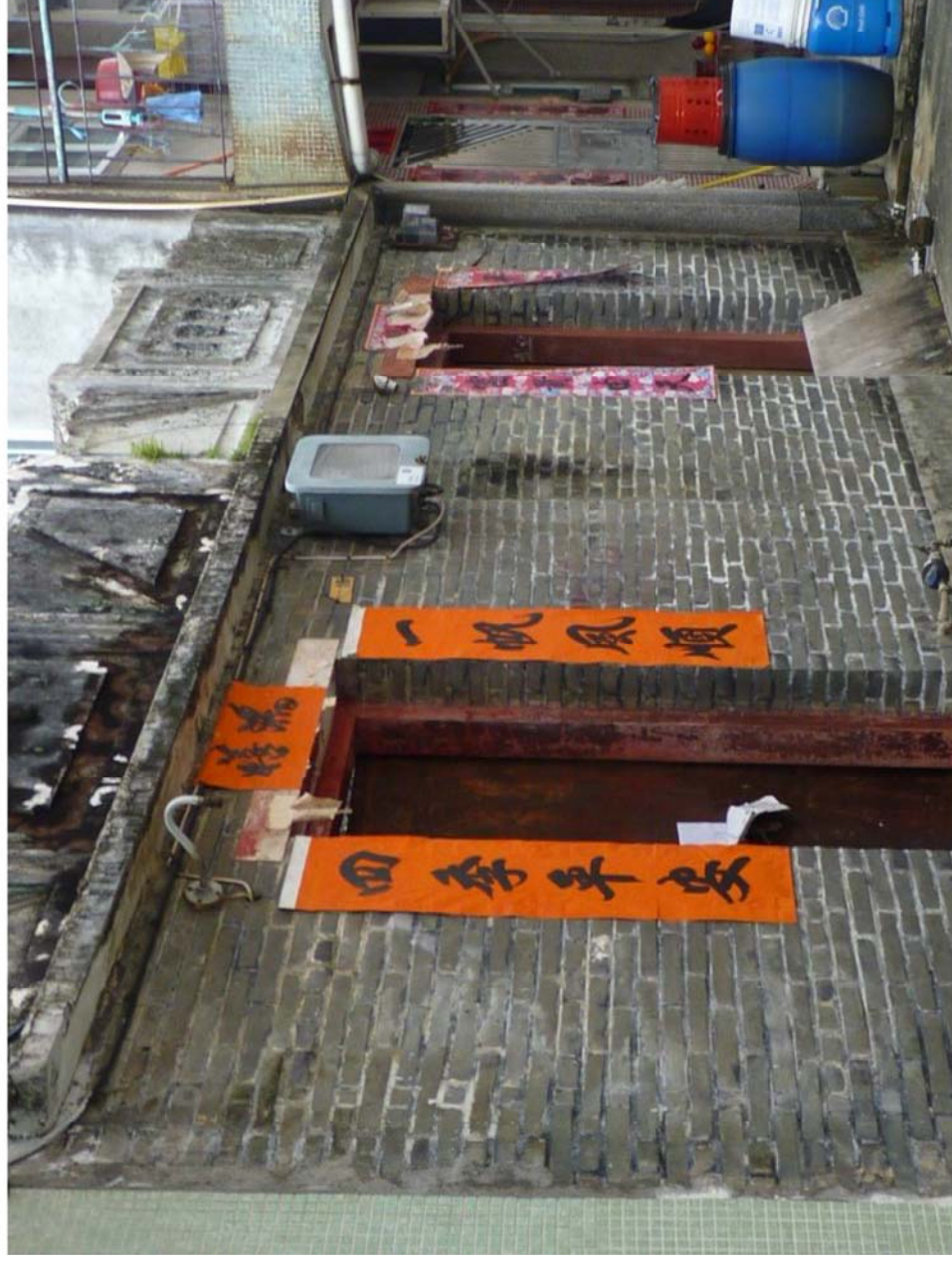


Plate 70

HB-70: Two village houses at No. 29 and No. 30 Ng Uk Tsuen

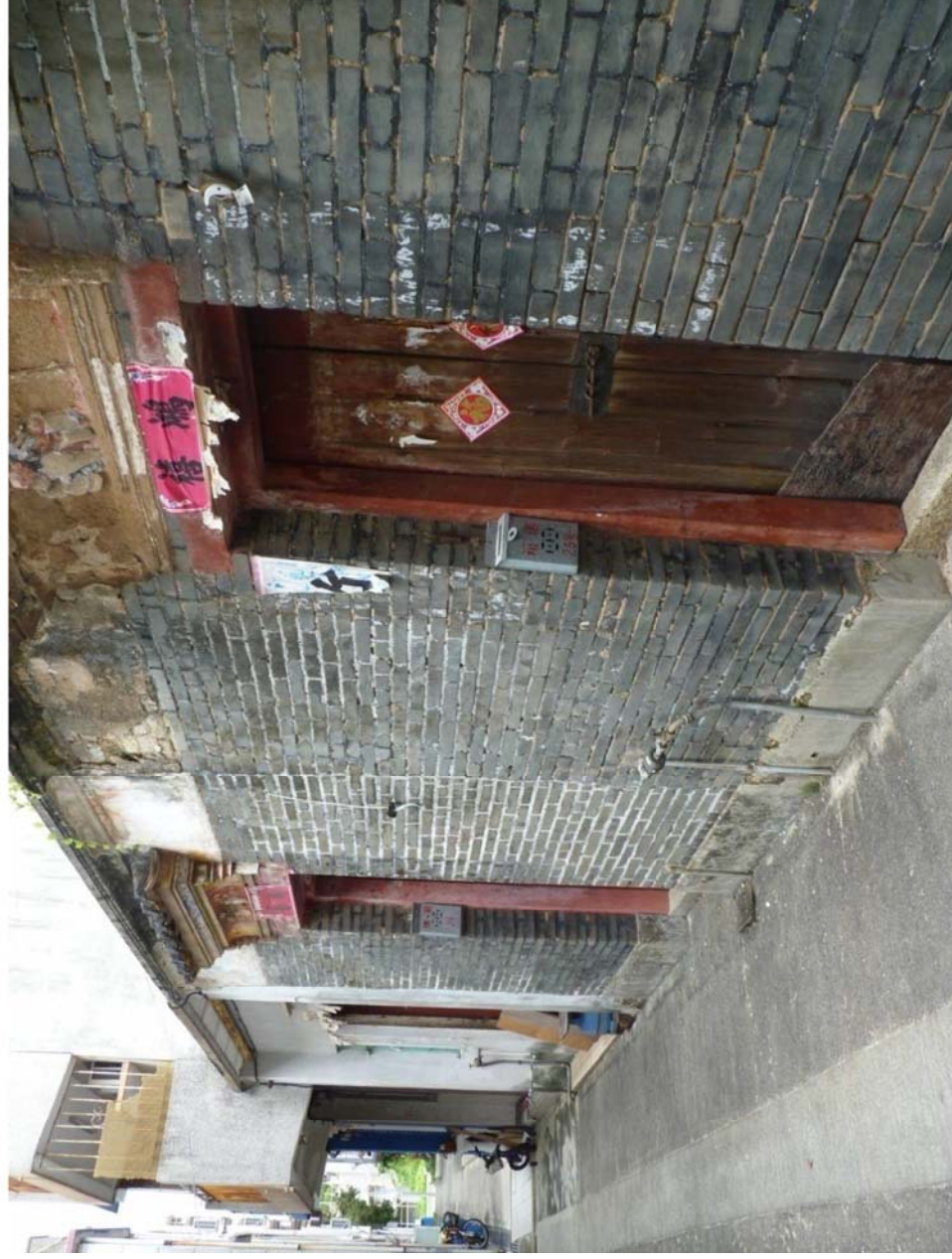


Plate 71

HB-71: No. 25 and No. 26 Ng Uk Tsuen



Plate 72

HB-72: Small shrine on pathway at Ng Uk Tsuen



Plate 73

HB-73: Tin Hau Temple at Ng Uk Tsuen



Plate 74

HB-74: Shrine at Fung Chi Tsuen



Plate 75

HB-75: Commemorative Arch at Shui Tin Tsuen



Plate 76

HB-76: Shrine at entrance of Shui Tin Tsuen



Plate 77

HB-77: Village houses at No. 8 and No. 9 Shui Tin Tsuen



Plate 78

HB-78: Row of village house ruins in Shui Tin Tsuen



Plate 79

HB-79: Two village houses at No. 71 and No. 72 Shui Tin Tsuen



Plate 80

HB-80: Wong Kong Ha Tong at No. 86A Fuk Hing Tsuen



Plate 81

HB-81: Two village houses at No. 14 and No. 15 Fuk Hing Tsuen



Plate 82

HB-82: Gate in Fuk Hing Tsuen



Plate 83

HB-83: Two village houses at No. 30 and No. 31 Fuk Hing Tsuen



Plate 84

HB-84: Village houses at 41 (C, D and E) Fuk Hing Tsuen



Plate 85

HB-85: Village houses at No. 44 and 44 Fuk Hing Tsuen



Plate 86

HB-86: Village house ruin at No. 54 Fuk Hing Tsuen



Plate 87

HB-87: Shrine at Tung Tau Wai Village



Plate 88

HB-88: Well at Tung Tau Wai Village



Plate 89

HB-89: Shrine near the I Shing Kung



Plate 90

HB-90: Shrine near Fuk Hing Tsuen



Plate 91

HB-91: Tsz Tong at No. 29 Chung Sam Wai



Plate 92

HB-92: Village house at No. 23 Chung Sam Wai



Plate 93

HB-93: Shrine at Chung Sam Wai



Plate 94

HB-94: Village house ruin beside entrance gate of Chung Sam Wai

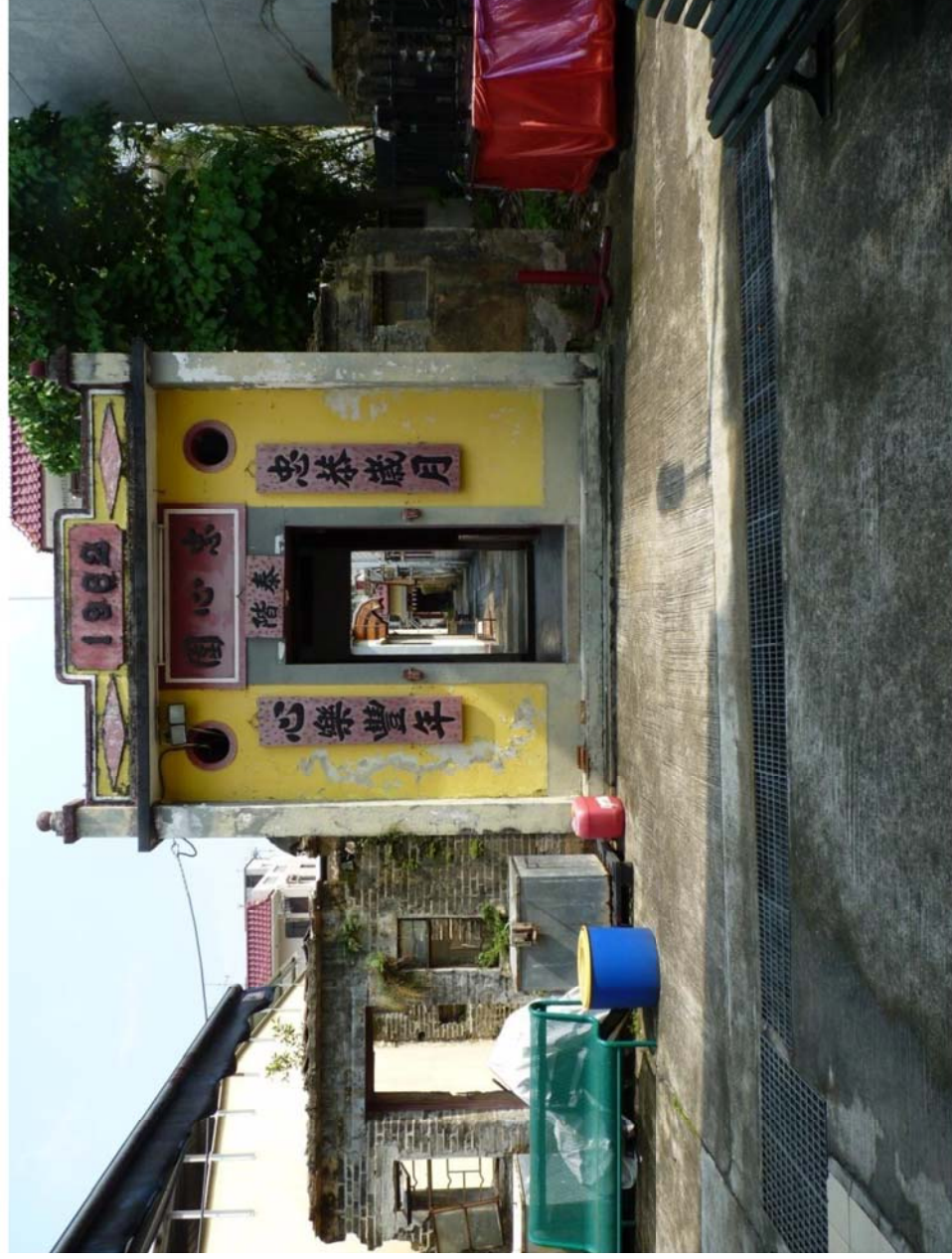


Plate 95

HB-95 Village Entrance Gate of Chung Sam Wai



Plate 96

HB-96: Village house ruin beside gate at Chung Sam Wai



Plate 97

HB-97: Village house ruin at No. 59 Tung Tau Wai



Plate 98

HB-98: Shrine at Tung Tau Wai



Plate 99

HB-99: Tsoi Fok Sin Tong at No. 24 Tung Tau Wai

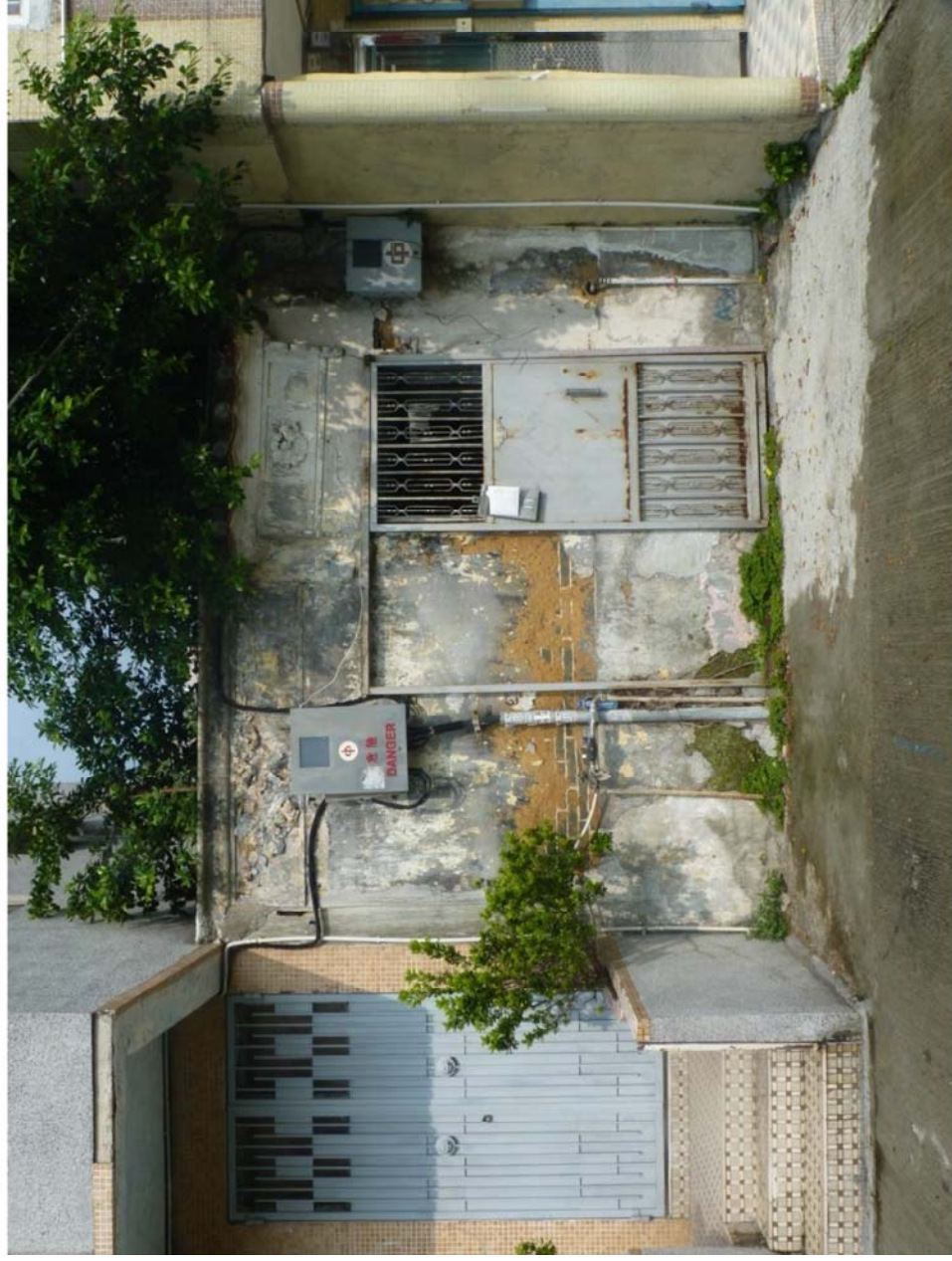


Plate 100

HB-100: Village house ruin at No. 19 Tung Tau Wai



Plate 101

HB-101: Village house at No. 16 Tung Tau Wai

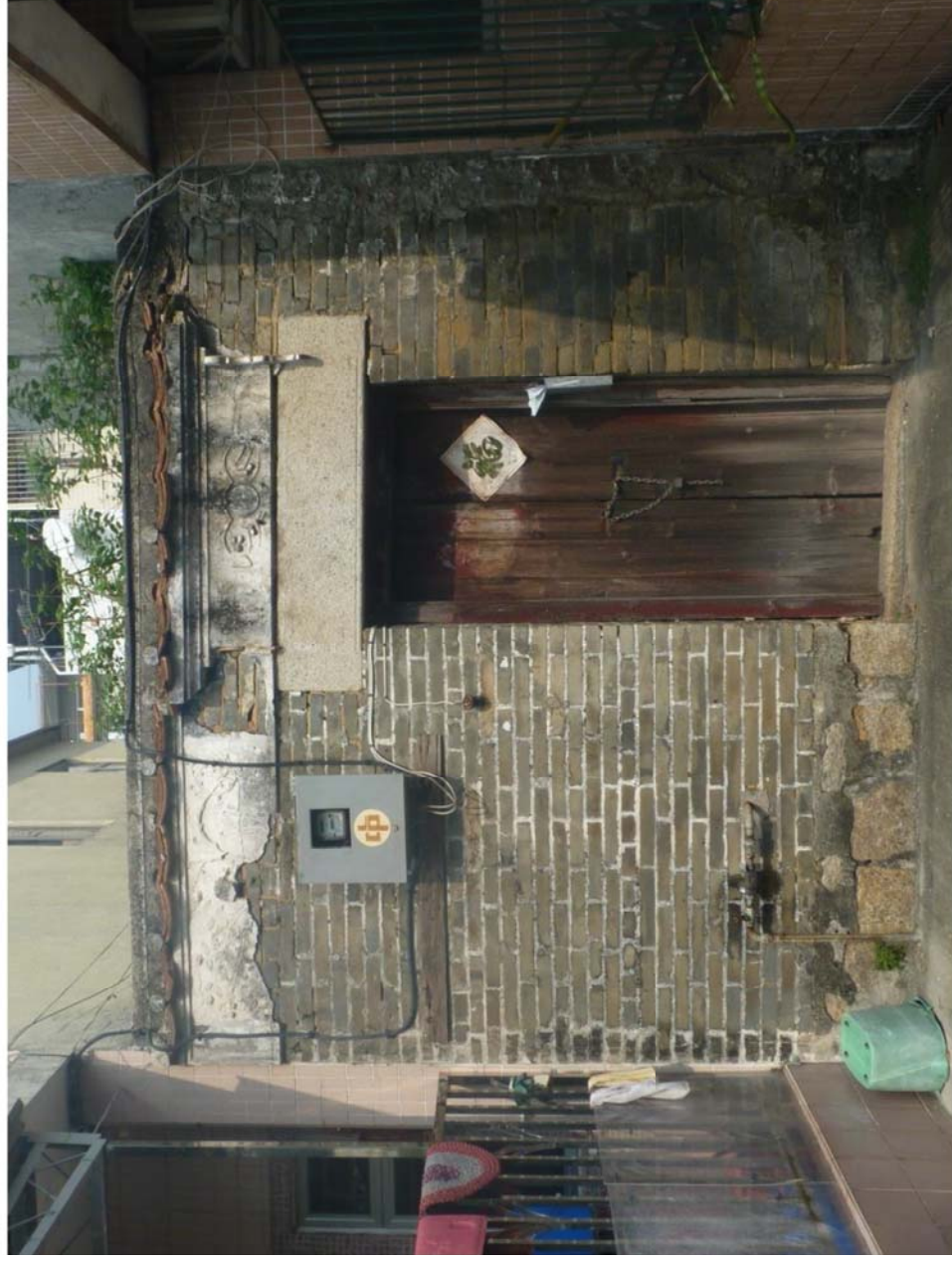


Plate 102

HB-102: Village house at No. 8 Tung Tau Wai

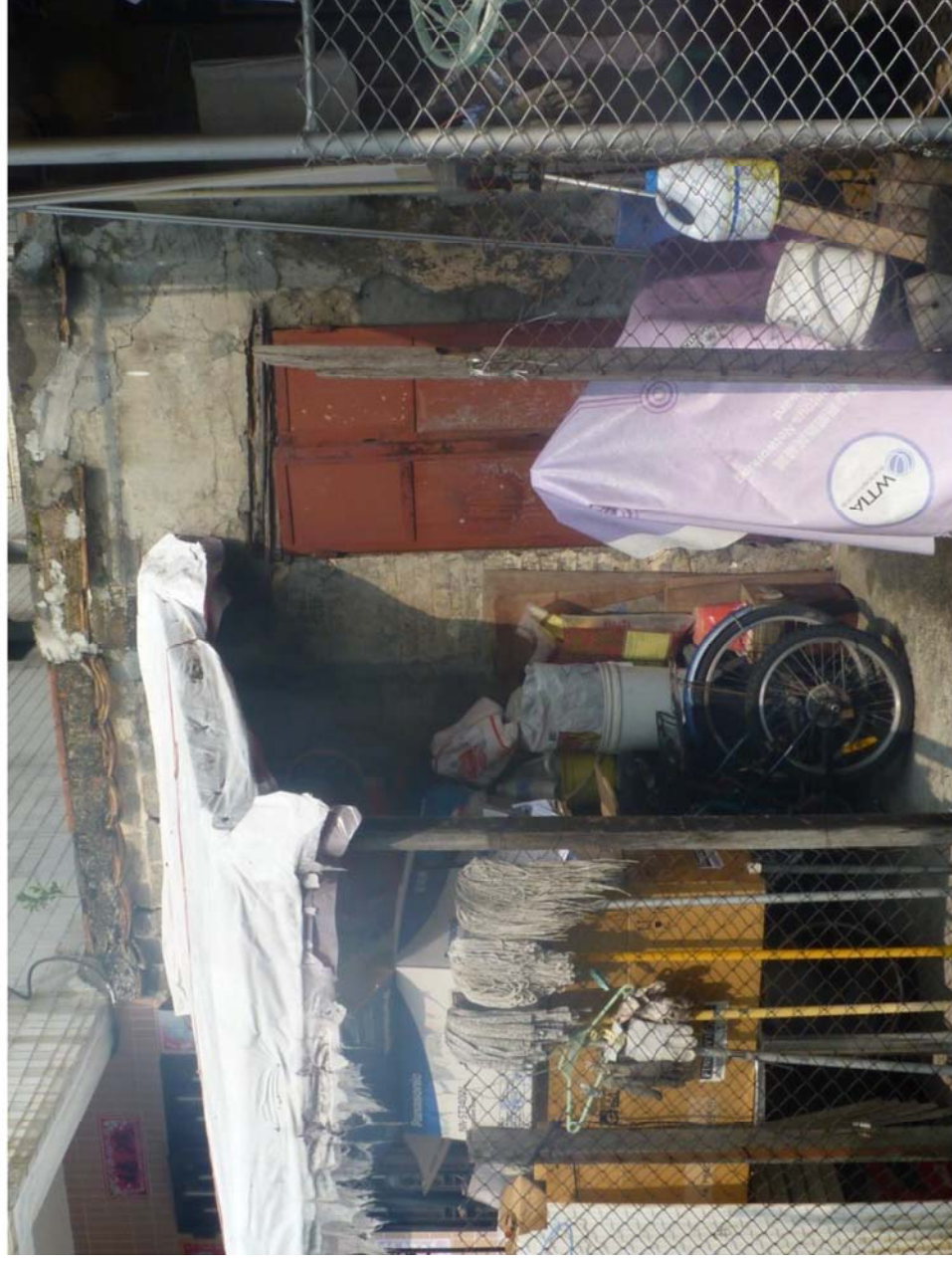


Plate 103

HB-103: Village house at No. 4 Tung Tau Wai



Plate 104

HB-104: Village house ruin at No. 30 Tung Tau Wai



Plate 105

HB-105: Village house and ruin at No. 32 Tung Tau Wai



Plate 106:

HB-106: Village House ruin at No. 37 Tung Tau Wai



Plate 107

HB-107: Village house ruins at Nos. 49 to 52 Tung Tau Wai



Plate 108

HB-108: Village house at No. 83 Tung Tau Wai



Plate 109

HB-109: Village house ruin at No. 74 Tung Tau Wai



Plate 110:

HB-110: Village house ruin at No. 67 Tung Tau Wai



Plate 111

HB-111: Two village houses at No. 107 and 108 Tung Tau Wai

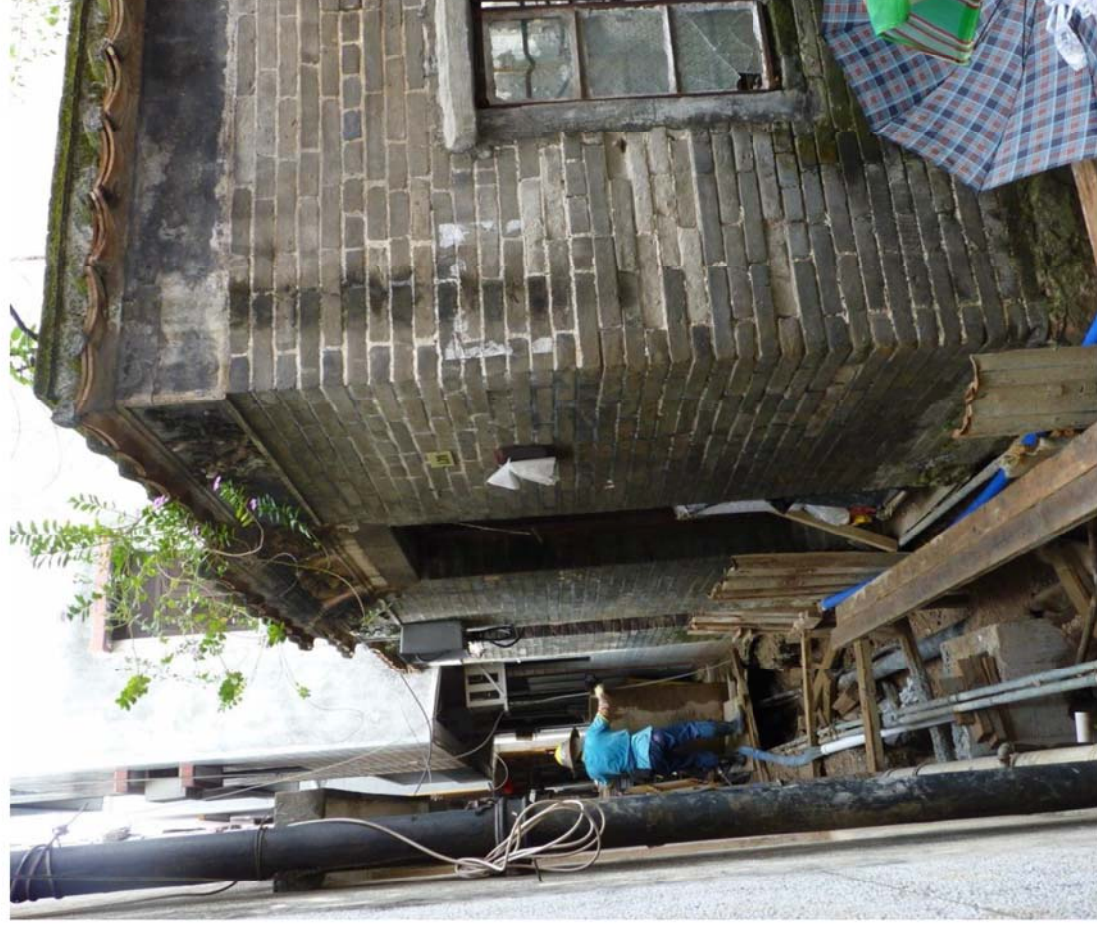


Plate 112:

HB-112: Village house at No. 120 Tung Tau Wai

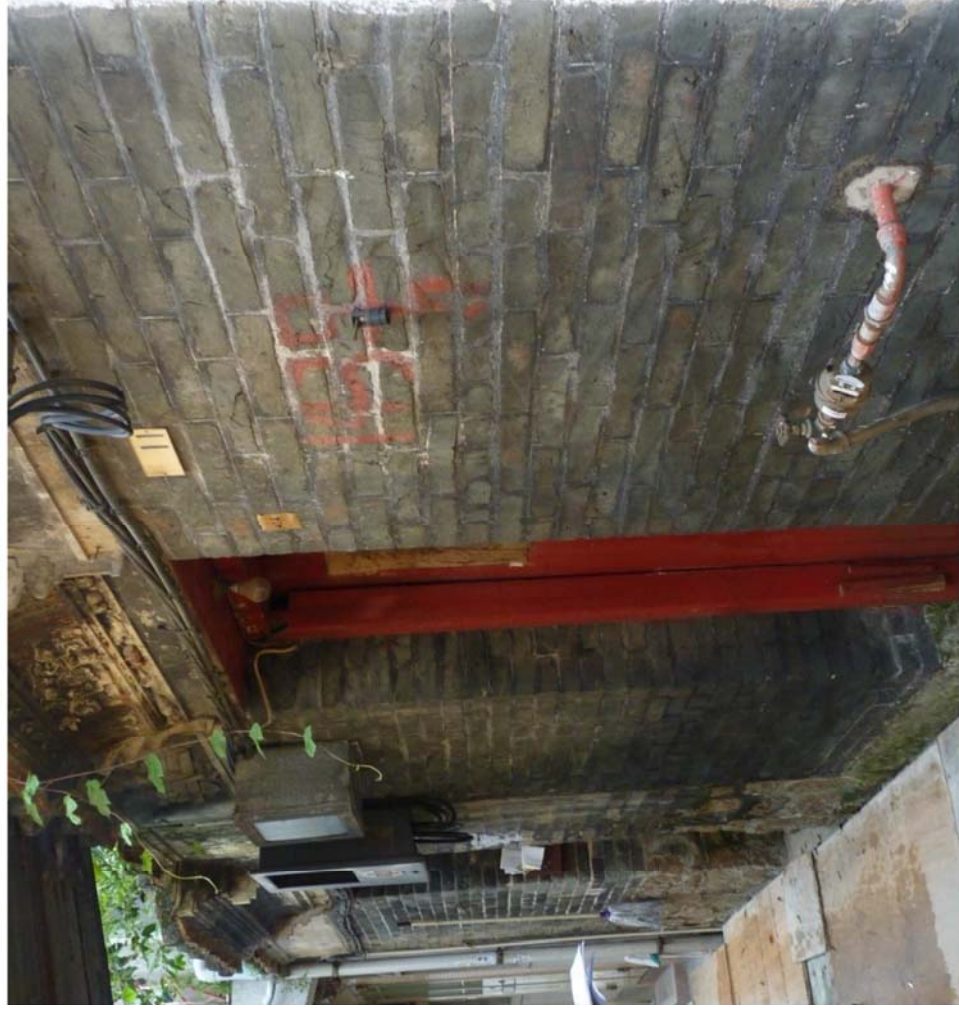


Plate 113

HB-113: Two village houses at No. 142 and 143 Tung Tau Wai

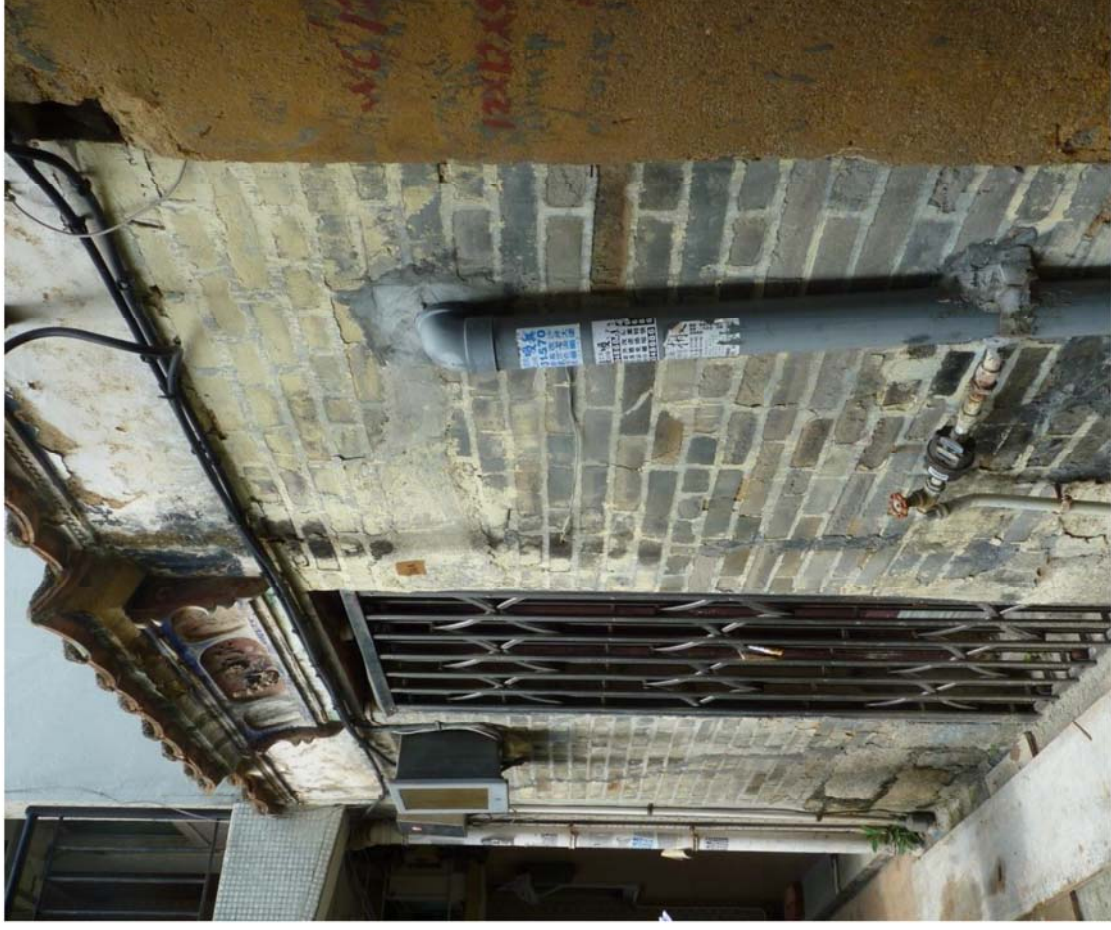


Plate 114

HB-114: Village house at No. 138 Tung Tau Wai



Plate 115

HB-115: Two village houses at No. 133 and 134 Tung Tau Wai

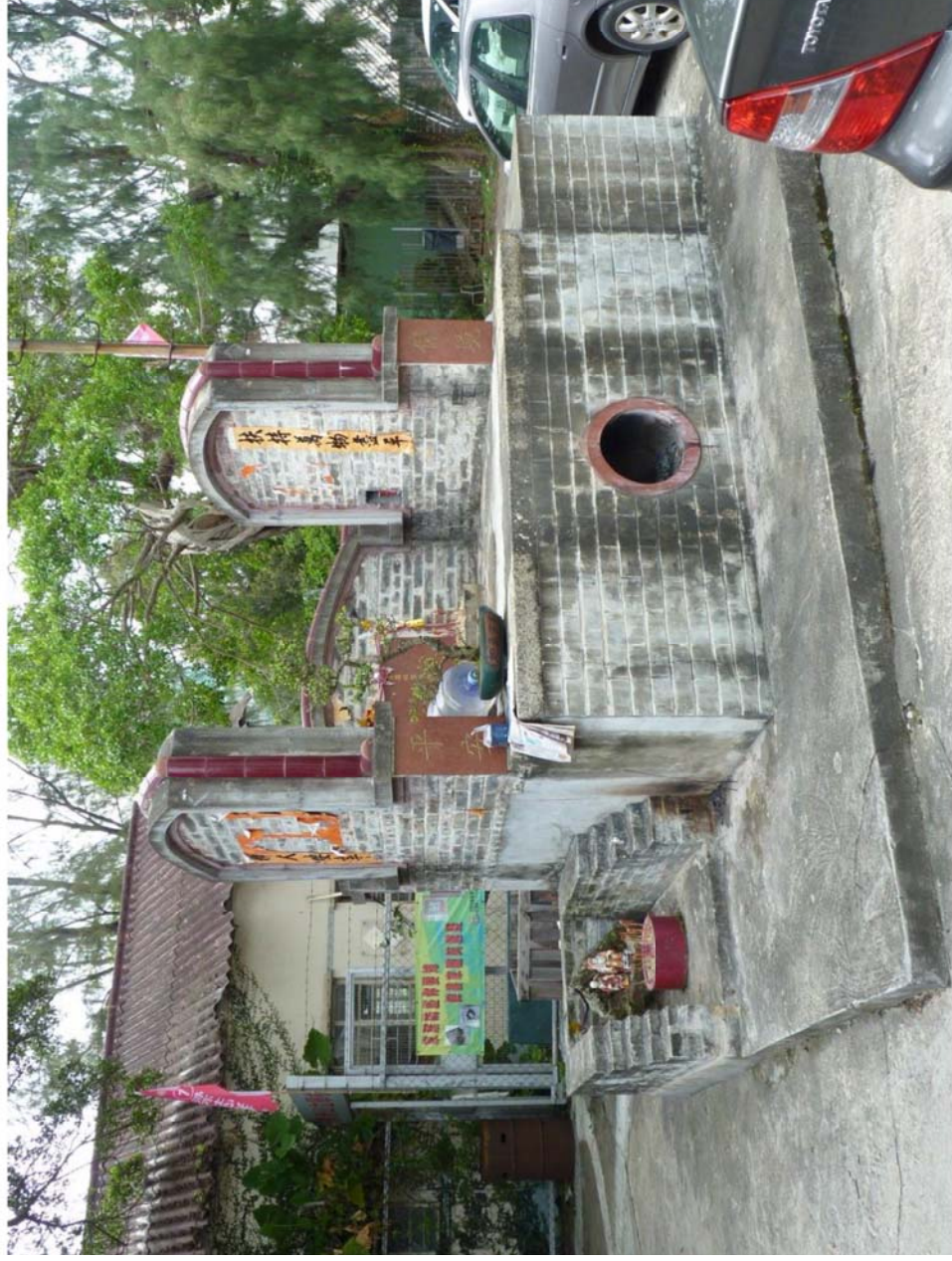


Plate 116

HB-116: Shrine at Sai Tau Wai



Plate 117

HB-117: Shrine at No. 41 Sai Tau Wai



Plate 118

HB-118: Village house at No. 39 Lam Uk Tsuen

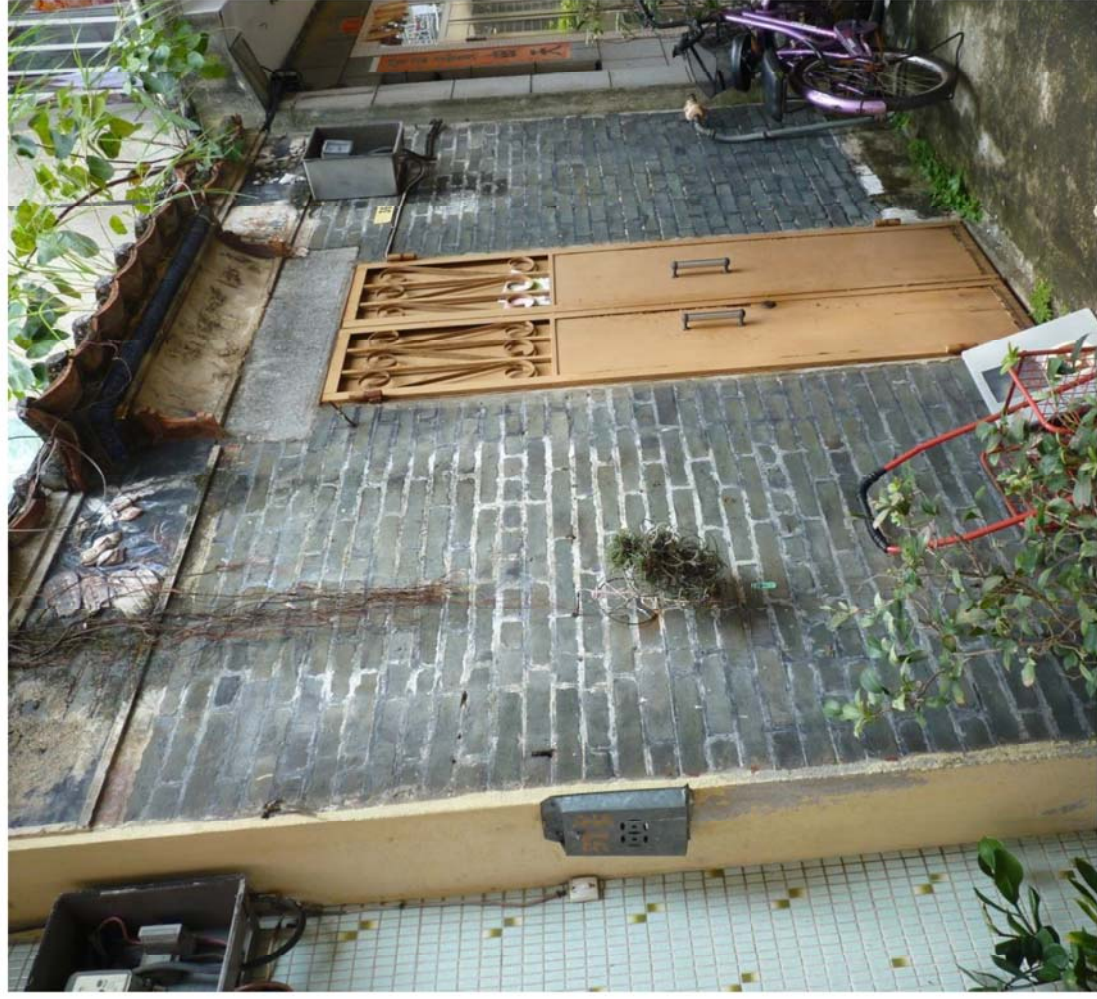


Plate 119

HB-119: Village house at No. 36 Lam Uk Tsuen

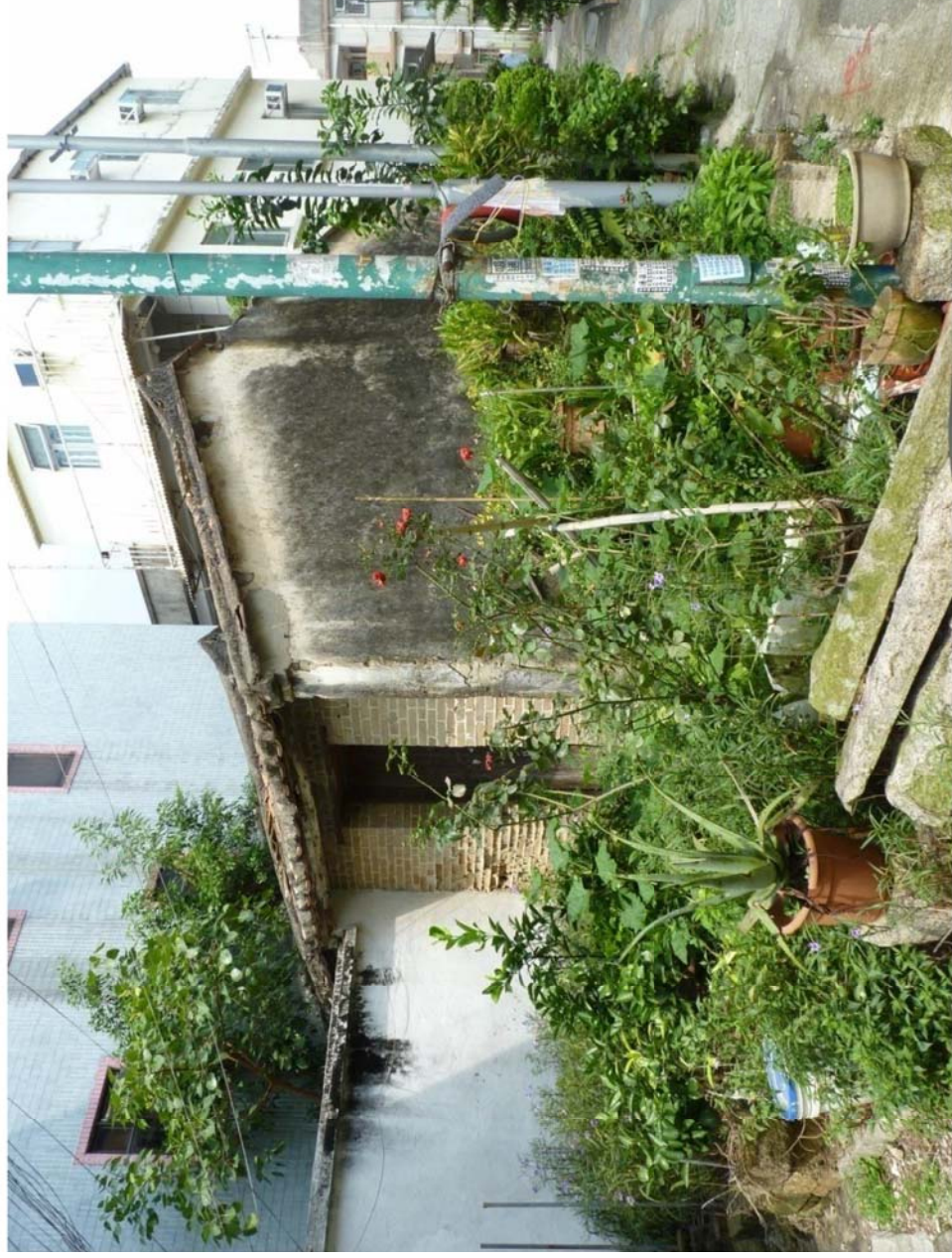


Plate 120

HB-120: Village house at No. 25 Lam Uk Tsuen



Plate 121

HB-121: Village House at No. 20 Lam Uk Tsuen



Plate 122

HB-122: Shrine at Lam Uk Tsuen



Plate 123

HB-123: Shrine at Yeung Uk Tsuen



Plate 124

HB-124: Village house at No. 1 Yeung Uk Tsuen



Plate 125

HB-125: Village house ruin at No. 9 Yeung Uk Tsuen



Plate `126

HB-126: Tsz Tong beside No. 130 Yeung Uk Tsuen

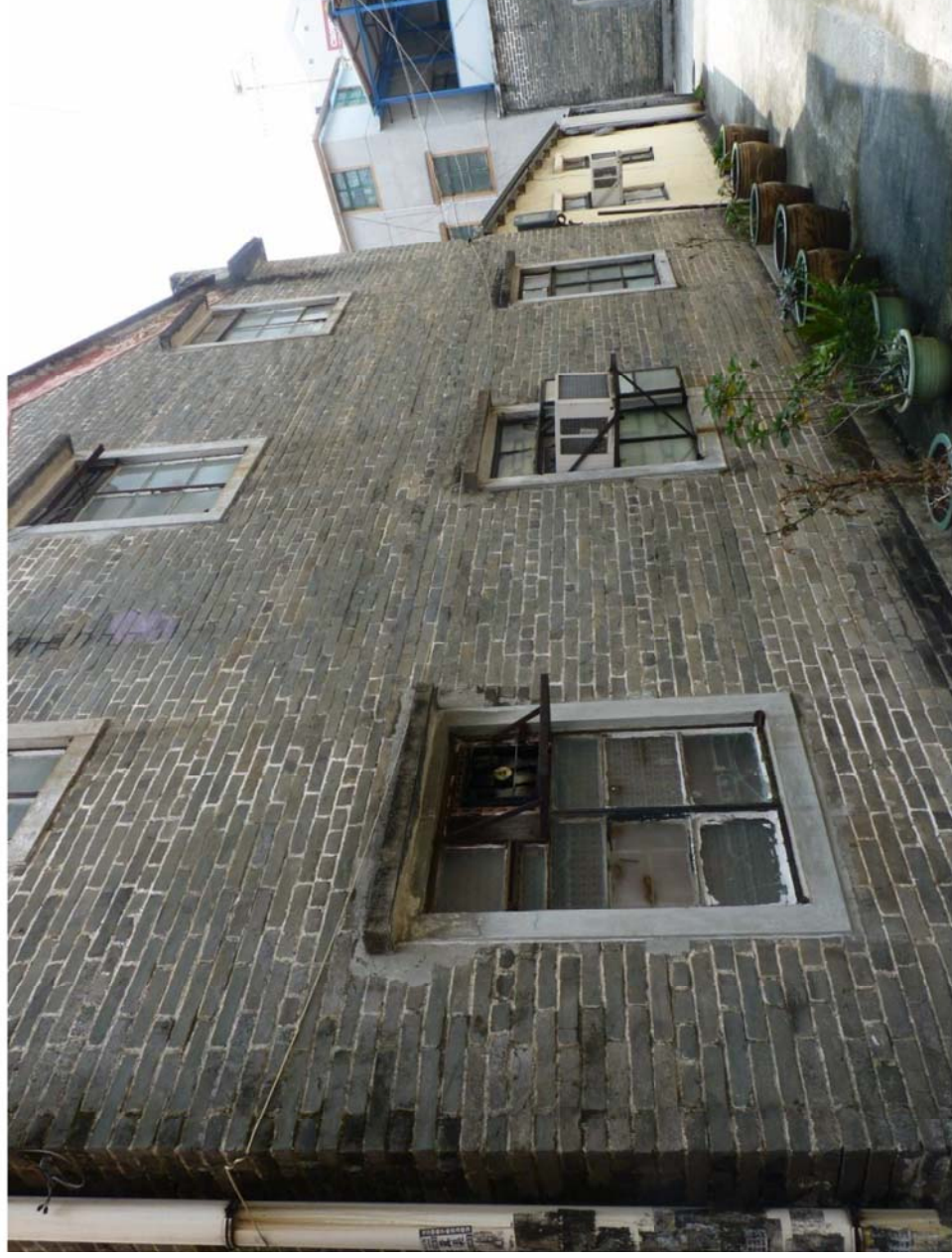


Plate 127

HB-127: Village House at No. 131 Yeung Uk Tsuen



Plate 128

HB-128: Village house ruin at No. 31 Yeung Uk Tsuen

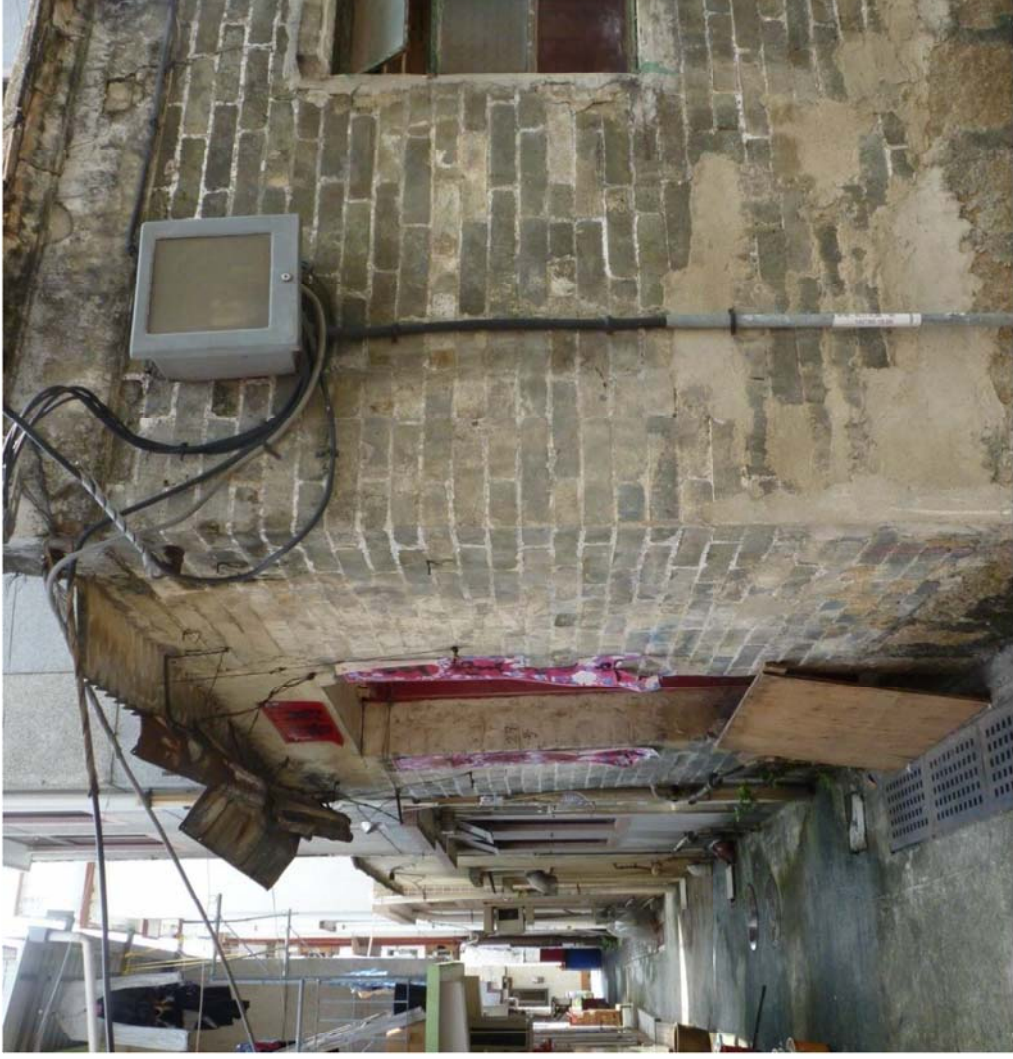


Plate 129

HB-129: Village house at No. 29 Yeung Uk Tsuen



Plate 130

HB-130: Village house at No. 25 Yeung Uk Tsuen



Plate 131

HB-131: Village houses at No. 38, 39 and 40 Yeung Uk Tsuen



Plate 132

HB-132: Village house at No. 113 Yeung Uk Tsuen



Plate 133

HB-133: Two village houses at No. 68 and 69 Yeung Uk Tsuen



Plate 134

HB-134: Village house ruin at No. 82 Yeung Uk Tsuen

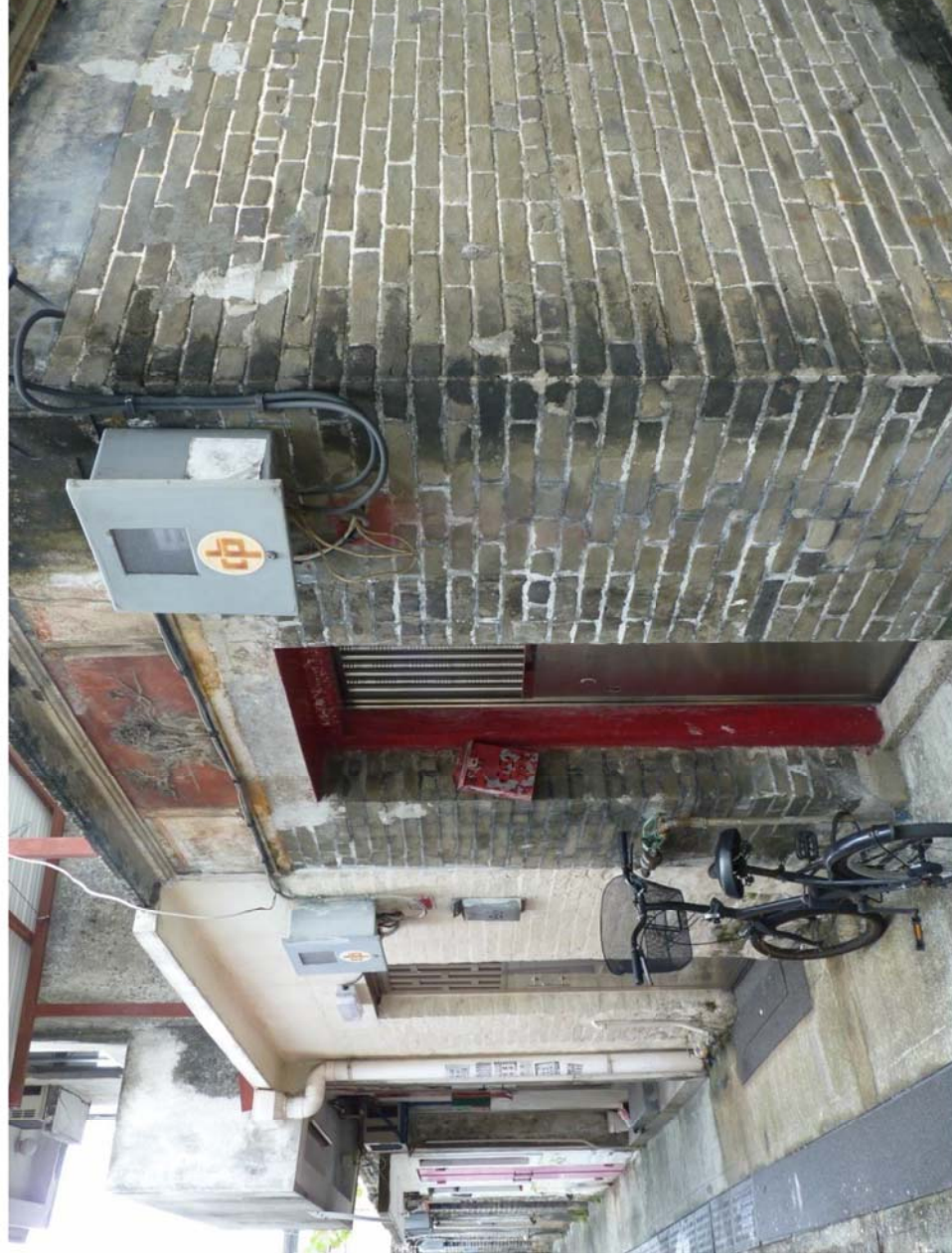


Plate 135

HB-135: Two village houses at No. 72 and 73 Yeung Uk Tsuen

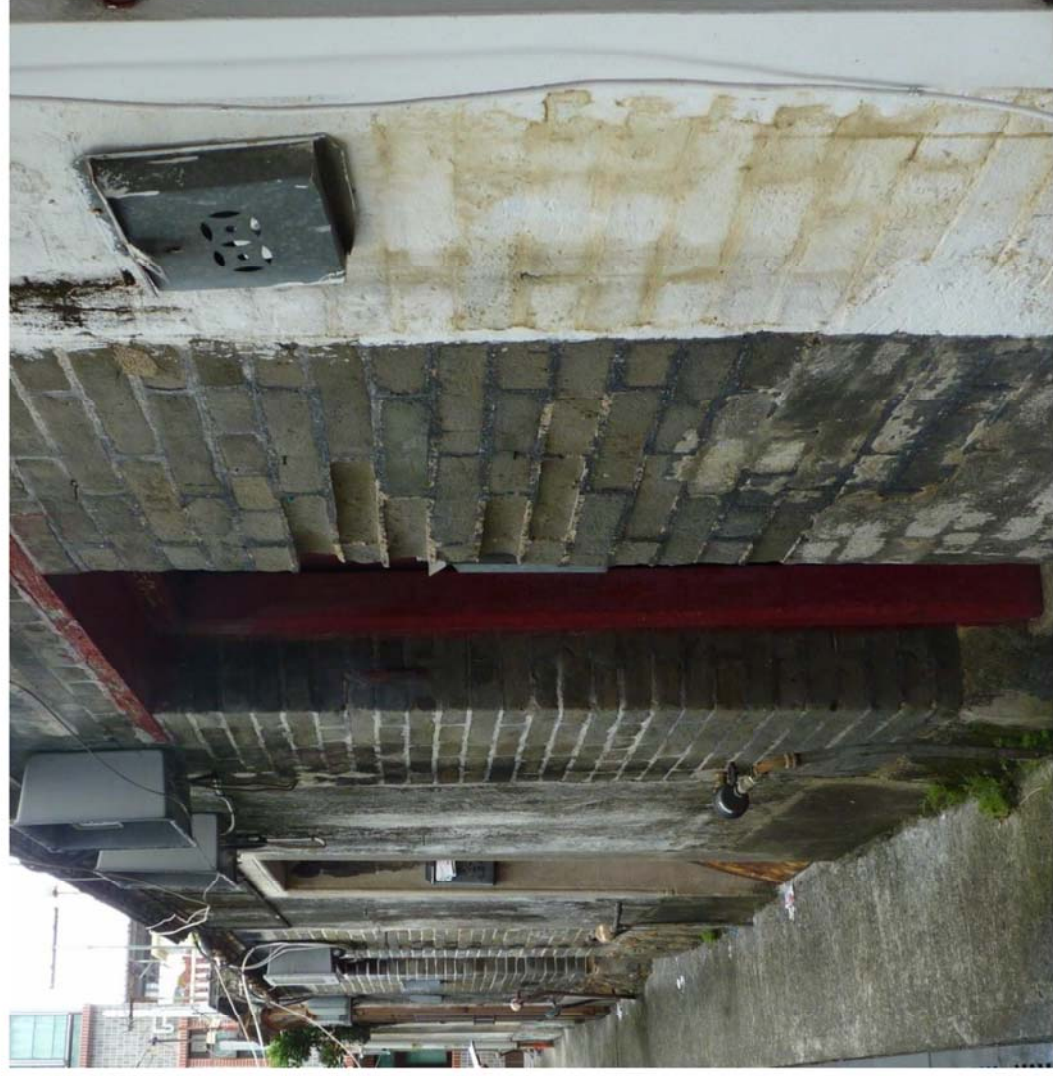


Plate 136

HB-136: Seven village houses at Nos. 75 to 81 Yeung Uk Tsuen



Plate 137

HB-137: Village house at No. 17 Yeung Uk Tsuen



Plate 138

HB-138: Two village houses at No. No 87 and No. 88 Yeung Uk Tsuen

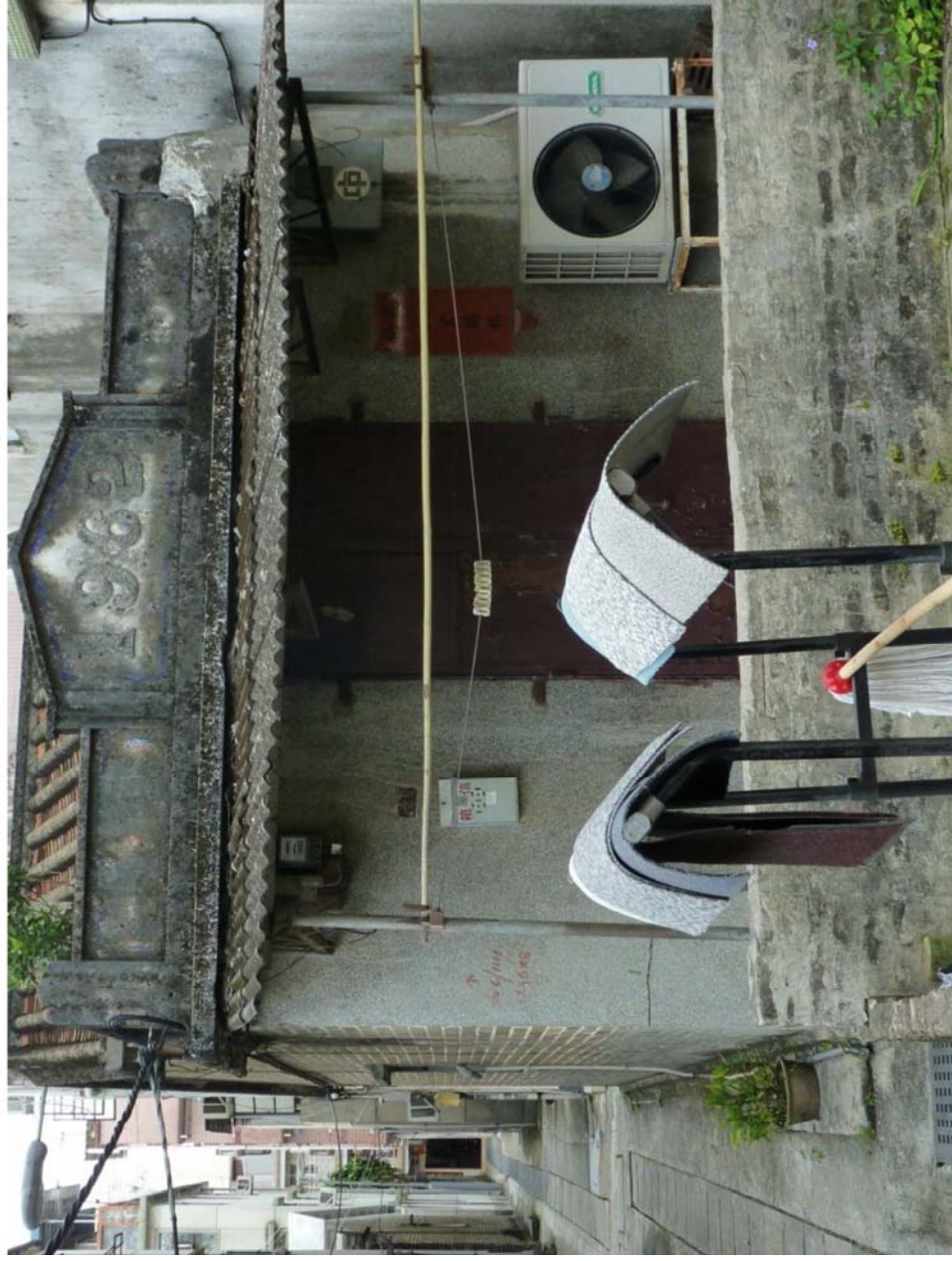


Plate 139

HB-139: Village house at No. 98 Yeung Uk Tsuen



Plate 140

HB-140: Three village houses at No. 100, 101 and 102 Yeung Uk Tsuen

Appendix 2.12.1

Photographs on assessment
points for air quality assessment
(AAPs)

ASR No.	AAP	Location	Photo
A1 - Tai Tseng Wai			
A1	A001	Tai Tseng Wai Block 92	
A1	A002	Tai Tseng Wai Block 123	
A1	A003	Lux Court Block A	
A1	A004	New residential premises in Tai Tseng Wai	
A2 - Shing Uk Tsuen			

ASR No.	AAP	Location	Photo
A2	A021	Shing Uk Tsuen Block 51A	
A2	A022	Shing Uk Tsuen Block 46G	
A2	A023	Tai Tseng Shing Uk Tsuen Block Structures	
A3 - Ng Uk Tsuen			
A3	A041	Ng Uk Tsuen Block 11	
A4 - Jade Court			

ASR No.	AAP	Location	Photo
A4	A061	Jade Court Block T	
A5 - Vienna Villa			
A5	A081	Vienna Villa Block 9	N/A
A6 - Carole Garden			
A6	A101	Carole Garden Block I, J & K	
A7 - Leon Court			
A7	A121	Leon Court Block 1	
A8 - Fuk Hing Garden & Fuk Hing Tsuen			
A8	A141	Fu Ting Garden Block A	

ASR No.	AAP	Location	Photo
A8	A142	Fuk Hing Garden Block 142	
A9 - Fuk Fai Garden & Meon Court			
A9	A161	Ting Fook Villas	
A9	A162	Meon Court Block D	
A10 - Sai Tau Wai & Lam Uk Tsuen			
A10	A181	New Residential Premises at Sai Tau Wai	
A11 - Yeung Uk Tsuen			

ASR No.	AAP	Location	Photo
A11	A201	Yeung Uk Tsuen Block 139	
A11	A202	Yeung Uk Tsuen Block 1	
A12 - Yuk Yat Garden			
A12	A221	Yuk Yat Garden Block 28	
A12	A222	Yuk Yat Garden Block 12	
A13 - Tung Tau Wai			

ASR No.	AAP	Location	Photo
A13	A241	Tung Tau Wai San Tsuen, 1 st Lane Block 1	
A13	A242	Tung Tau Wai Block 26	N/A
A14 - Tung Tau Industrial Area			
A14	A261	New Home Ownership Scheme (HOS) at Tung Tau, Yuen Long	N/A
A14	A262	Yuen Long High Tech Centre	
A14	A263	West Rail Line Long Ping Station (North) Property Development	N/A
A15 - Yeung Uk San Tsuen			
A15	A281	Yeung Uk San Tsuen Block 1	

ASR No.	AAP	Location	Photo
A15	A282	Yeung Uk San Tsuen Block 80	
A15	A283	Yeung Uk San Tsuen Block 10	
A16 - Long Ping Estate			
A16	A301	Yuet Ping House	
A16	A302	Hor Ping House	

ASR No.	AAP	Location	Photo
A16	A303	Yuen Long Long Ping Estate Wai Chow School	
A16	A304	Kam Ping House	
A16	A305	Twghs. Lo Kon Ting Memorial College	
A17 - Shui Tin Tsuen			
A17	A321	Shui Tin Tsuen Block 74	

ASR No.	AAP	Location	Photo
A17	A322	Shui Tin Tsuen Block 80	
A18 - Wing Ning Tsuen & Residential Premises along Yung Yuen Road			
A18	A341	Wing Ning Tsuen	
A18	A342	Soy Source Factory	
A18	A343	Wing Ning Tsuen Block 82	

ASR No.	AAP	Location	Photo
A18	A344	Wing Ning Tsuen	
A18	A345	Long Ping Road Block 102	
A18	A346	Residential Premises near Long Ping Road	
A19 - Fung Chi Tsuen			
A19	A361	Fung Chi Tsuen Block 26	

ASR No.	AAP	Location	Photo
A19	A362	Fung Chi Tsuen Block 19C	
A19	A363	Fung Chi Tsuen Block 12A	
A19	A364	Tin Hau Temple	
A19	A365	Monastery	
A20 - Residential Premises to the South of Long Ping Station			

ASR No.	AAP	Location	Photo
A20	A381	Hang Fuk Building	
A20	A382	Yuen Long Sir Denys Roberts Squash Courts	N/A
A20	A383	Fook Cheong Building	
A20	A384	Fu Loy Garden Block A	

ASR No.	AAP	Location	Photo
A20	A385	Ho King Building Block A to F	
A20	A386	West Rail Line Long Ping Station (South) Property Development	N/A
A21 - Shui Pin Wai Estate			
A21	A401	Shui Pin Wai Estate Ying Shui House	
A21	A402	Shui Pin Wai Estate San Shui House	
A21	A403	SKH St. Matthia's Church & Chiu Chun Kindergarten	
A22 - Chun Hing San Tsuen			

ASR No.	AAP	Location	Photo
A22	A421	Chun Hing San Tsuen Block 20	
A22	A422	Chun Hing San Tsuen Block 1	
A22	A423	Shui Pin Wai	
A22	A424	Shui Pin Wai #6	
A23 - Villa by the Park			

ASR No.	AAP	Location	Photo
A23	A441	Villa by the Park Block 2	
A24 - Pak Fa Tsuen			
A24	A461	Pak Fa Tsuen	
A25 - Shui Pin Wai Tsuen			
A25	A481	Shui Pin Wai Tsuen Block 6	
A26 - Yuen Long Industrial Estate			
A26	A501	JJ Printing	

ASR No.	AAP	Location	Photo
A26	A502	Yuen Long Textile	
A26	A503	Yau Sang	
A26	A504	Wing Fung	
A26	A505	China Inspection	
A26	A506	Dah Chong Hong Holding Ltd.	

ASR No.	AAP	Location	Photo
A26	A507	Yau Sang (2)	
A26	A508	Acme	
A26	A509	Toppan Printing (2)	
A26	A510	Toppan Printing (1)	
A26	A511	San Miguel Brewery	

ASR No.	AAP	Location	Photo
A26	A512	Telford International	
A26	A513	China Engineers	
A26	A514	China Inspection (1)	
A26	A515	Chau Leong	
A27 - Site Area (Planned ASRs)			
A27	N/A	N/A	N/A

Appendix 2.12.2

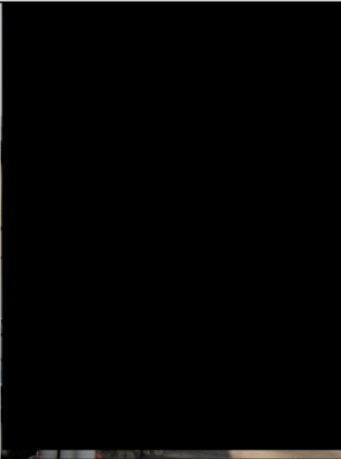
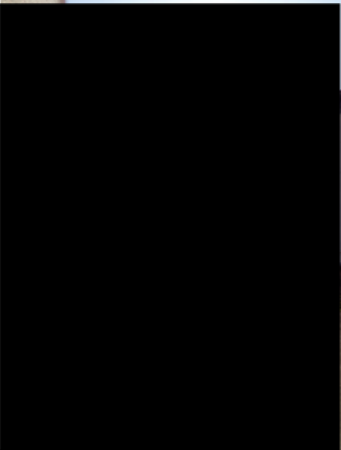
Photographs and the status of the
identified chimneys

Agreement No. CB20120293

Planning and Engineering Study for the Public Housing Site and
Yuen Long Industrial Estate Extension at Wang Chau

Title: Photographs of Chimneys and Emission Sources

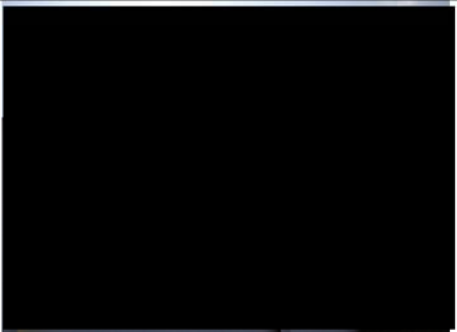
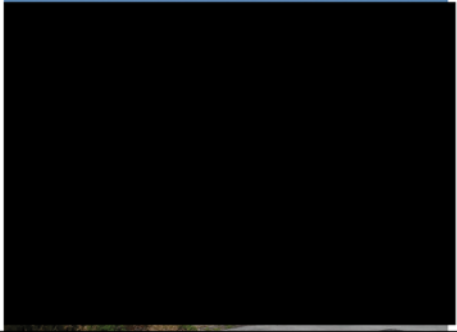
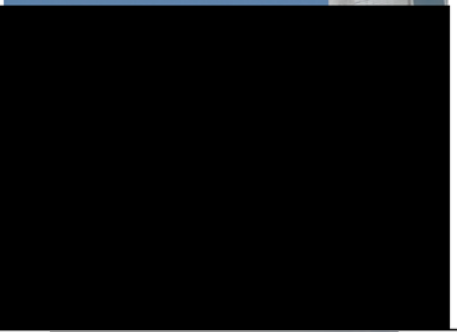
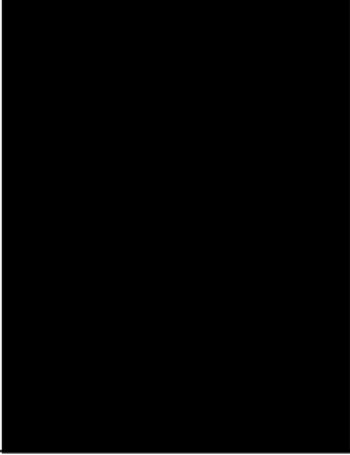
Chimney Inventory

Chimney No.	Location	Status	Photo
C-001A		In use	
C-001B		In use	
C-002A		Not used	

Agreement No. CB20120293

Planning and Engineering Study for the Public Housing Site and
Yuen Long Industrial Estate Extension at Wang Chau

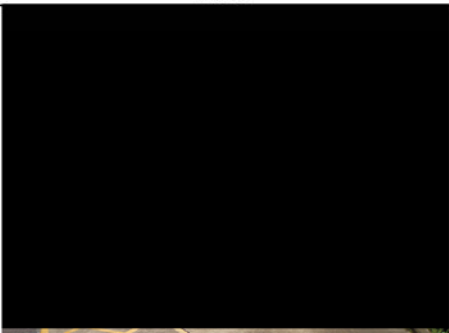
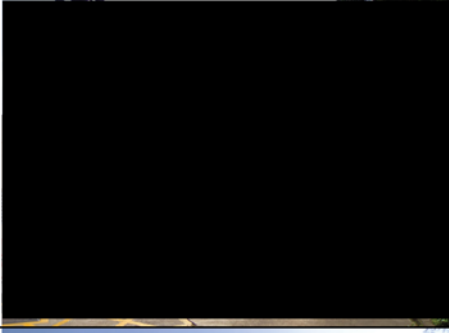
Title: Photographs of Chimneys and Emission Sources

Chimney No.	Location	Status	Photo
C-003A		Not used	
C-004A		Not used	
C-004B		Not used	
C-005A		In use	

Agreement No. CB20120293

Planning and Engineering Study for the Public Housing Site and
Yuen Long Industrial Estate Extension at Wang Chau

Title: Photographs of Chimneys and Emission Sources

Chimney No.	Location	Status	Photo
C-005B		Emergency only	
C-005C		Emergency only	
C-005D		Emergency only	
C-006A		In-use (electricity)	
C-006B		In-use (electricity)	

Agreement No. CB20120293

**Planning and Engineering Study for the Public Housing Site and
Yuen Long Industrial Estate Extension at Wang Chau**

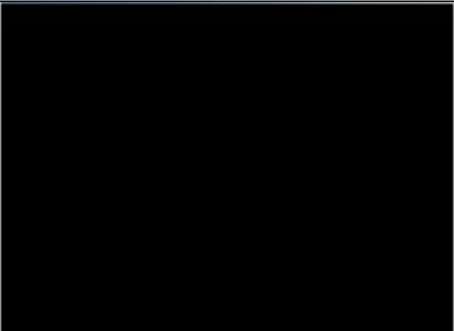
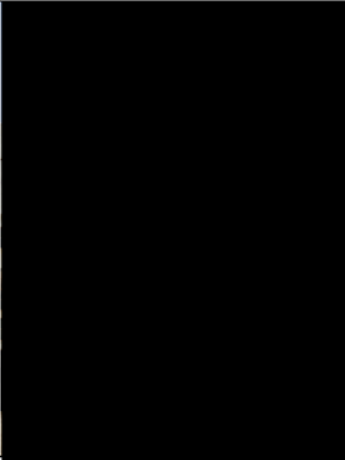
Title: Photographs of Chimneys and Emission Sources

Chimney No.	Location	Status	Photo
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C-008A ^[1]	[REDACTED]	In use	[REDACTED]
C-008B		In use	[REDACTED]
C-008C to C-008F		In use	[REDACTED]
C-008G ^{[3][4]}		No emission	[REDACTED]
C-008H		In use	[REDACTED]
C-008I to C-008O		In use	[REDACTED]
C-008P		In use	[REDACTED]
C-008Q		No emission	[REDACTED]
C-008R		In use	[REDACTED]
C-008S to C-008W		In use	[REDACTED]
C-008X to C-008Y		In use	[REDACTED]
C-008Z		Emergency only	[REDACTED]
C-008AA to C-008AE		In use	[REDACTED]
C-008AF to C-008AG		No emission	[REDACTED]

Agreement No. CB20120293

Planning and Engineering Study for the Public Housing Site and
Yuen Long Industrial Estate Extension at Wang Chau

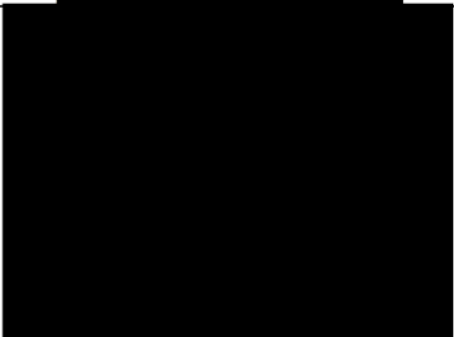
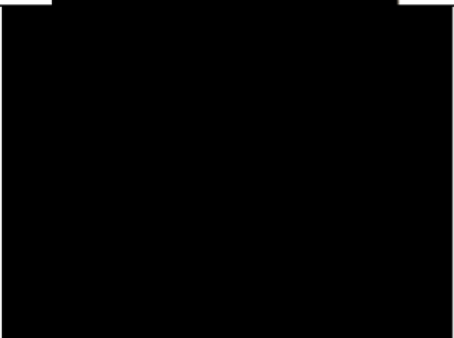
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C-009B to C-009C		See remarks [5]	
C-009D		In use	
C-009E		In use	
C-009F to C-009O		See remarks [5]	
C-010A		Not used	

Agreement No. CB20120293

Planning and Engineering Study for the Public Housing Site and
Yuen Long Industrial Estate Extension at Wang Chau

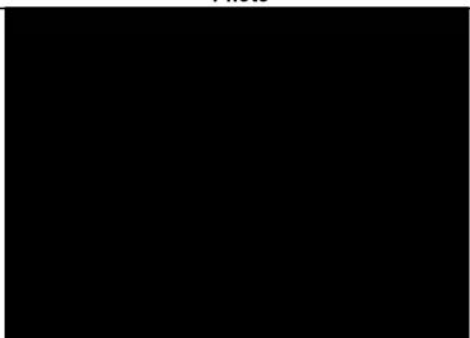
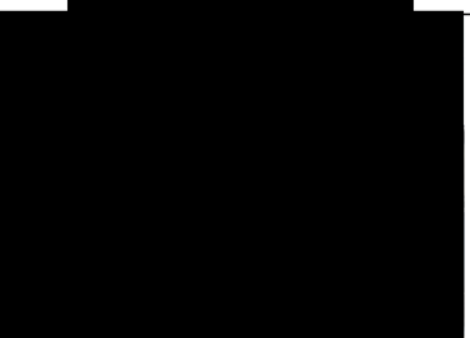
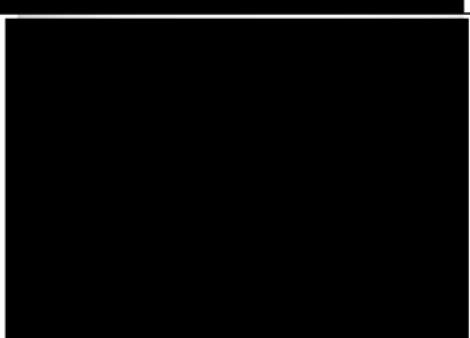
Title: Photographs of Chimneys and Emission Sources

Chimney No.	Location	Status	Photo
C-011A		Not used	
C-011B		Not used	
C-011C		Not used	
C-011D		Not used	

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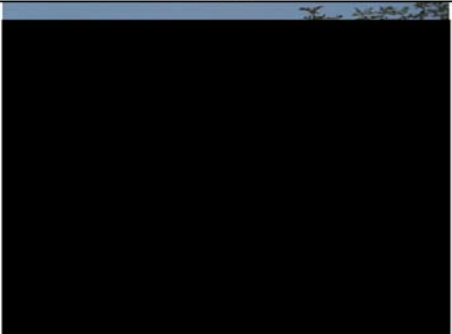
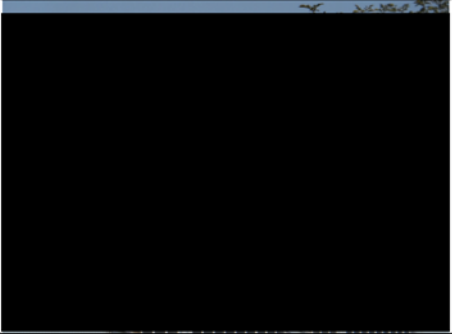
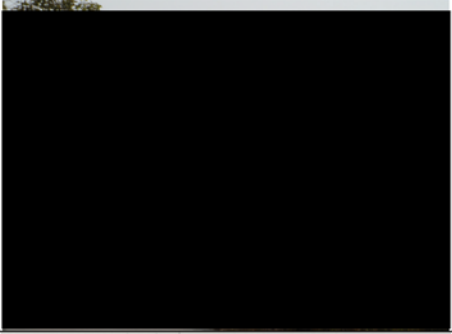
Title: Photographs of Chimneys and Emission Sources

Chimney No.	Location	Status	Photo
C-011E		Not used	
C-011F		Not used	
C-011G to C-011S		Not used	
C-011T to C-011W		Not used	

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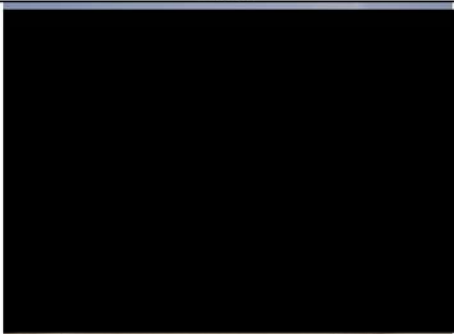
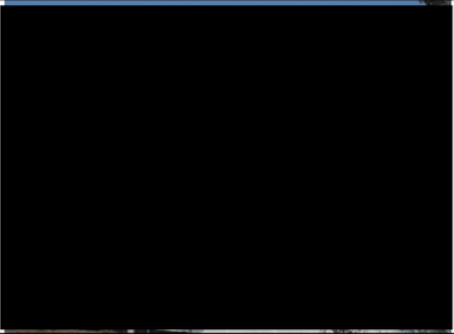
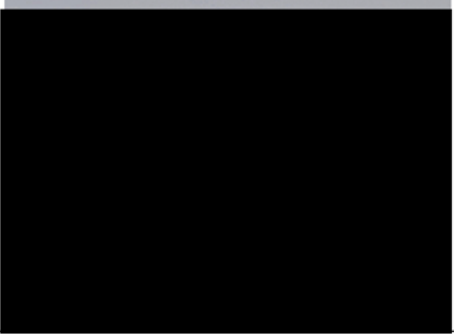
Title: Photographs of Chimneys and Emission Sources

Chimney No.	Location	Status	Photo
C-012A		Not used	
C-012B		Not used	
C-012C		Not used	
C-012D to C012O		Not used	

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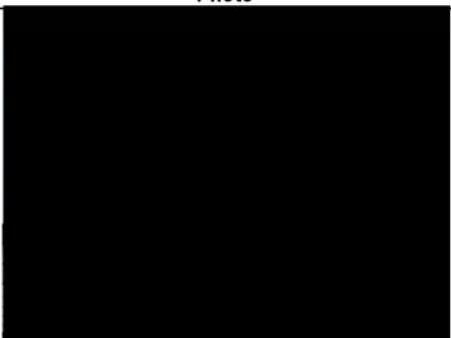
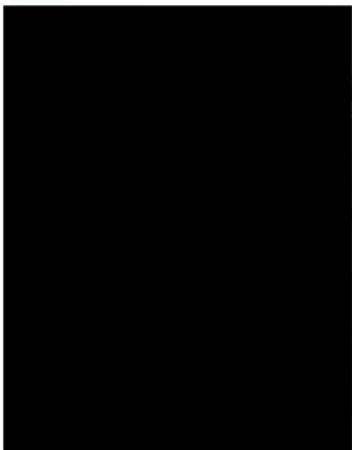
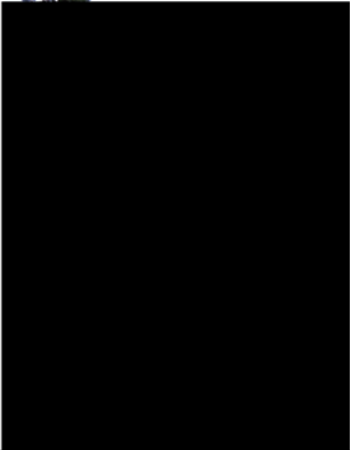
Title: Photographs of Chimneys and Emission Sources

Chimney No.	Location	Status	Photo
C-013A		Not used	
C-014A		In use	
C-015A		Emergency only	
C-015B		Emergency only	

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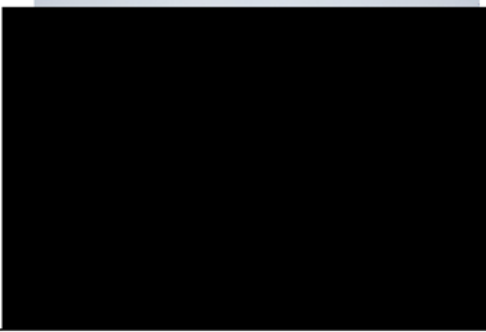
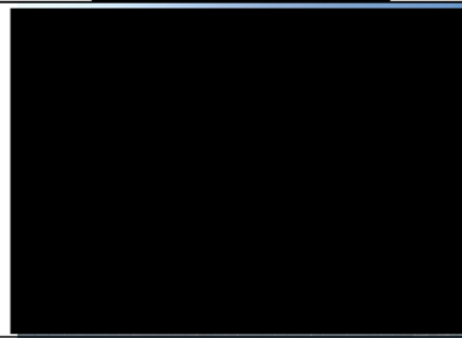
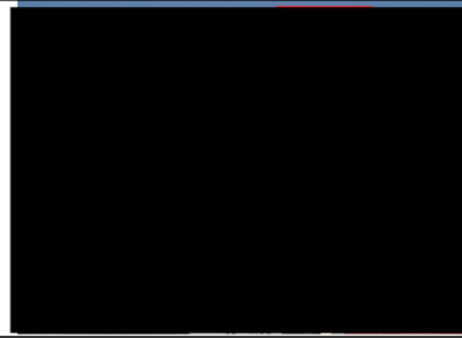
Title: Photographs of Chimneys and Emission Sources

Chimney No.	Location	Status	Photo
C-015C		Emergency only	
C-015D		Emergency only	
C-017A		Not used	

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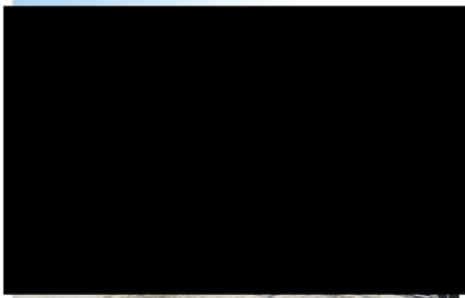
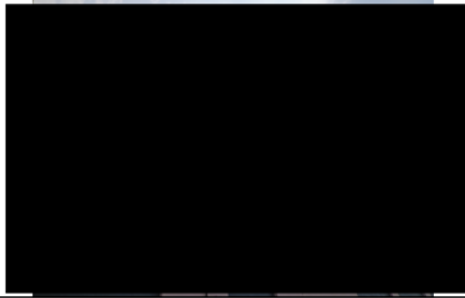
Title: Photographs of Chimneys and Emission Sources

Chimney No.	Location	Status	Photo
C-017B		Not used	
C-018A		In use	
C-019A		Not used	
C-020A		In use	
C-020B		In use	
C-020C to C-020D ^[6]		In use	
C-020E		In use	
C-020F		In use	
C-020G		See remarks [4]	

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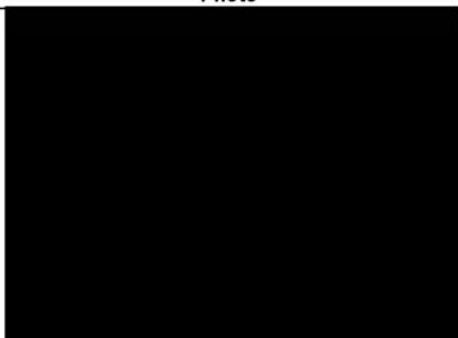
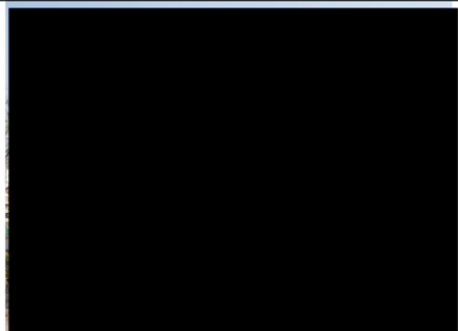
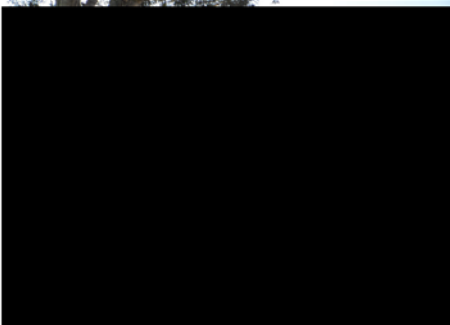
Title: Photographs of Chimneys and Emission Sources

Chimney No.	Location	Status	Photo
C-020H to C-020L		In use	
C-020M		In use	
C-020N		See remarks [4]	
C-020O		In use	
C-021A		In use	
C-021B		In use	
C-021C		In use	
C-022A		Emergency	

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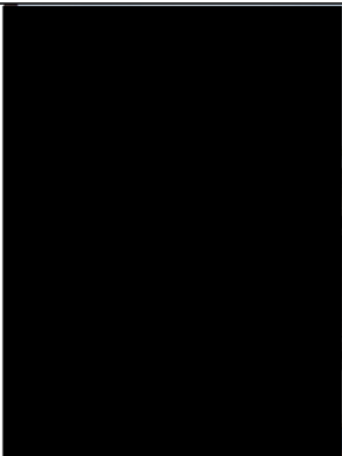
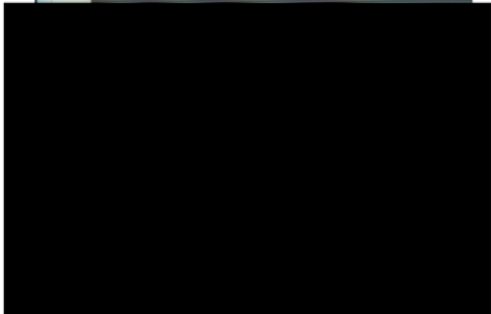
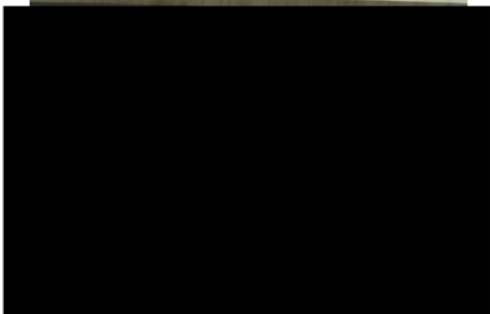
Title: Photographs of Chimneys and Emission Sources

Title: Photographs of Chimneys and Emission Sources			
Chimney No.	Location	Status	Photo
C-023A		Emergency	
C-024A		Not used	
C-024B			
C-024C			
C-024D			
C-024E			
C-024F			
C-025A		In use	
C-026A		Emergency	

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Yuen Long Industrial Estate Extension at Wang Chau

Title: Photographs of Chimneys and Emission Sources
Identified Chimneys at area within 500m of the Project Site boundary

Chimney No.	Location	Status	Photo
C-101A		Not used	
C-201A		Not used	
C-202A		Emergency	
C-202B		Emergency	

Remarks:

[1] SP Licence indicates 2 emission points with a chimney height of 40m above ground (i.e. C-008A & C-008B). However based on the site visits, there is only 1 chimney that has an estimate height of 40m above ground, therefore assuming the 2 emission points at the same location.

**Planning and Engineering Study for the Public Housing Site and
Yuen Long Industrial Estate Extension at Wang Chau**

Title: Photographs of Chimneys and Emission Sources

[2] Emission points C-008C to C-008F, C-008H, C-008P, C-008R & C-008X to C-008AG indicated in SP Licence are at emission height of 1.6m – 14m and were not observed at site inspection. Since no information was provided by the operator and access was not allowed, all these other emission points are assumed at the centre of the industrial lot.

[3] Emission points C-008G, C-008I to C-008O, C-008Q, C-008S to C-008W (14 emission points) are 30m above ground according to SP Licence. Since there are only two ~30m high chimneys identified during site visits, these 14 emission points are assumed at the same location at the middle point between the two ~30m high chimneys.

[4] No information provided on the emission rate in the SP Licence, will consider as "no emission".

[5] SP Licence indicates these emission points (i.e. C-009B, C-009C & C-009F to C-009O) as "Negligible".

[6] Emission points C-020C, C-020D, C-020H to C-020L (7 emission points) are listed as 33m & 35m above ground according to SP Licence. Since no information provided by the operator and there is only one tall structure in the premises that has a height roughly to ~30m, these 7 emission points will be assigned to the tall structure location.

Appendix 2.12.3

Detailed chimney emission
inventory

Summary of All Identified Chimneys

Source	Source ID ^[1]	Type	χ ^[2]	γ ^[2]	Fuel type ^[3]	Description ^[3]	Remark ^[3]
			(m)	(m)			
[REDACTED]	C-001A	POINT	[REDACTED]	[REDACTED]	Diesel	Boiler	Continuously in-use
	C-001B	POINT	[REDACTED]	[REDACTED]	Diesel	Boiler	
[REDACTED]	C-002A	POINT	[REDACTED]	[REDACTED]	Not use		
[REDACTED]	C-003A	POINT	[REDACTED]	[REDACTED]	Not use		
[REDACTED]	C-004A	POINT	[REDACTED]	[REDACTED]	Not use		
	C-004B	POINT	[REDACTED]	[REDACTED]			
[REDACTED]	C-005A	POINT	[REDACTED]	[REDACTED]	Diesel	Boiler	Continuously in-use
	C-005B	POINT	[REDACTED]	[REDACTED]	Emergency only		
	C-005C	POINT	[REDACTED]	[REDACTED]	Emergency only		
	C-005D	POINT	[REDACTED]	[REDACTED]	Emergency only		
[REDACTED]	C-006A	POINT	[REDACTED]	[REDACTED]	-	Steam Stove	Continuously in-use (using electricity)
	C-006B	POINT	[REDACTED]	[REDACTED]	-	Steam Stove	
[REDACTED]	C-007A	POINT	[REDACTED]	[REDACTED]	Diesel	Boiler	Continuously in-use
[REDACTED]	C-008A	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008B	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008C	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008D	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008E	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008F	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008G	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	No emission
	C-008H	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008I	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008J	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008K	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008L	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008M	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008N	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008O	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008P	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008Q	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	No emission
	C-008R	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008S	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008T	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008U	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008V	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008W	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008X	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008Y	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-008Z	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Emergency only
	C-008AA	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	No emission
	C-008AB	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	No emission
	C-008AC	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	No emission
	C-008AD	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	No emission
	C-008AE	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	No emission
	C-008AF	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	No emission
	C-008AG	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	No emission

Summary of All Identified Chimneys

Source	Source ID ^[1]	Type	$X^{[2]}$	$Y^{[2]}$	Fuel type ^[3]	Description ^[3]	Remark ^[3]
			(m)	(m)			
[REDACTED]	C-009A	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use ^[5]
	C-009B	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Negligible emission according to the SP Licence
	C-009C	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Negligible emission according to the SP Licence
	C-009D	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use ^[5]
	C-009E	POINT	[REDACTED]	[REDACTED]	-	Based on information provided by [REDACTED]	Continuously in-use ^[5]
	C-009F	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Negligible emission according to the SP Licence
	C-009G	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Negligible emission according to the SP Licence
	C-009H	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Negligible emission according to the SP Licence
	C-009I	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Negligible emission according to the SP Licence
	C-009J	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Negligible emission according to the SP Licence
	C-009K	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Negligible emission according to the SP Licence
	C-009L	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Negligible emission according to the SP Licence
	C-009M	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Negligible emission according to the SP Licence
	C-009N	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Negligible emission according to the SP Licence
	C-009O	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Negligible emission according to the SP Licence
[REDACTED]	C-010A	POINT	[REDACTED]	[REDACTED]	Not use		
[REDACTED]	C-011A	POINT	[REDACTED]	[REDACTED]	Not use		
	C-011B	POINT	[REDACTED]	[REDACTED]			
	C-011C	POINT	[REDACTED]	[REDACTED]			
	C-011D	POINT	[REDACTED]	[REDACTED]			
	C-011E	POINT	[REDACTED]	[REDACTED]			
	C-011F	POINT	[REDACTED]	[REDACTED]			
	C-011G	POINT	[REDACTED]	[REDACTED]			
	C-011H	POINT	[REDACTED]	[REDACTED]			
	C-011I	POINT	[REDACTED]	[REDACTED]			
	C-011J	POINT	[REDACTED]	[REDACTED]			
	C-011K	POINT	[REDACTED]	[REDACTED]			
	C-011L	POINT	[REDACTED]	[REDACTED]			
	C-011M	POINT	[REDACTED]	[REDACTED]			
	C-011N	POINT	[REDACTED]	[REDACTED]			
	C-011O	POINT	[REDACTED]	[REDACTED]			
	C-011P	POINT	[REDACTED]	[REDACTED]			
	C-011Q	POINT	[REDACTED]	[REDACTED]			
	C-011R	POINT	[REDACTED]	[REDACTED]			
	C-011S	POINT	[REDACTED]	[REDACTED]			
	C-011T	POINT	[REDACTED]	[REDACTED]			
	C-011U	POINT	[REDACTED]	[REDACTED]			
	C-011V	POINT	[REDACTED]	[REDACTED]			
	C-011W	POINT	[REDACTED]	[REDACTED]			
[REDACTED]	C-012A	POINT	[REDACTED]	[REDACTED]	Not use		
	C-012B	POINT	[REDACTED]	[REDACTED]			
	C-012C	POINT	[REDACTED]	[REDACTED]			
	C-012D	POINT	[REDACTED]	[REDACTED]			
	C-012E	POINT	[REDACTED]	[REDACTED]			
	C-012F	POINT	[REDACTED]	[REDACTED]			
	C-012G	POINT	[REDACTED]	[REDACTED]			
	C-012H	POINT	[REDACTED]	[REDACTED]			
	C-012I	POINT	[REDACTED]	[REDACTED]			
	C-012J	POINT	[REDACTED]	[REDACTED]			
	C-012K	POINT	[REDACTED]	[REDACTED]			
	C-012L	POINT	[REDACTED]	[REDACTED]			
	C-012M	POINT	[REDACTED]	[REDACTED]			
	C-012N	POINT	[REDACTED]	[REDACTED]			
	C-012O	POINT	[REDACTED]	[REDACTED]			
[REDACTED]	C-013A	POINT	[REDACTED]	[REDACTED]	Not use		
[REDACTED]	C-014A	POINT	[REDACTED]	[REDACTED]	Diesel	Boiler	Continuously in-use
[REDACTED]	C-015A	POINT	[REDACTED]	[REDACTED]	Emergency only		
	C-015B	POINT	[REDACTED]	[REDACTED]			
	C-015C	POINT	[REDACTED]	[REDACTED]			
	C-015D	POINT	[REDACTED]	[REDACTED]			
[REDACTED] ^[4]	C-016A	POINT	N/A	N/A	Premises in construction		
[REDACTED]	C-017A	POINT	[REDACTED]	[REDACTED]	Not use		
	C-017B	POINT	[REDACTED]	[REDACTED]			
[REDACTED]	C-018A	POINT	[REDACTED]	[REDACTED]	Diesel	Boiler	Continuously in-use
[REDACTED]	C-019A	POINT	[REDACTED]	[REDACTED]	Not use		

Summary of All Identified Chimneys

Source	Source ID ^[1]	Type	X ^[2]	Y ^[2]	Fuel type ^[3]	Description ^[3]	Remark ^[3]
			(m)	(m)			
[REDACTED]	C-020A	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-020B	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-020C	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-020D	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-020E	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-020F	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-020G	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	No emission
	C-020H	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-020I	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-020J	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-020K	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-020L	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-020M	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-020N	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	No emission
	C-020O	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
[REDACTED]	C-021A	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-021B	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
	C-021C	POINT	[REDACTED]	[REDACTED]	-	Specified Process Licence for [REDACTED]	Continuously in-use
[REDACTED]	C-022A	POINT	[REDACTED]	[REDACTED]	-	No information provided	Emergency only
[REDACTED]	C-023A	POINT	[REDACTED]	[REDACTED]	-	No information provided	Emergency only
[REDACTED]	C-024A	POINT	[REDACTED]	[REDACTED]	Not use		
	C-024B	POINT	[REDACTED]	[REDACTED]	Towngas	No information provided	Continuously in-use
	C-024C	POINT	[REDACTED]	[REDACTED]	Towngas	No information provided	Continuously in-use
	C-024D	POINT	[REDACTED]	[REDACTED]	Towngas	No information provided	Continuously in-use
	C-024E	POINT	[REDACTED]	[REDACTED]	Towngas	No information provided	Continuously in-use
	C-024F	POINT	[REDACTED]	[REDACTED]	Towngas	No information provided	Continuously in-use
[REDACTED]	C-025A	POINT	[REDACTED]	[REDACTED]	Towngas	Boiler	Continuously in-use
[REDACTED]	C-026A	POINT	[REDACTED]	[REDACTED]	-	Back up power generator	Emergency only
[REDACTED]	C-101A	POINT	[REDACTED]	[REDACTED]	Not use		
[REDACTED]	C-201A	POINT	[REDACTED]	[REDACTED]	Not use		
[REDACTED]	C-202A	POINT	[REDACTED]	[REDACTED]	-	Back up power generator	Emergency only
	C-202B	POINT	[REDACTED]	[REDACTED]	-	Back up power generator	Emergency only

Note:

[1] Number of chimneys were provided by the operators and verified on site. For SP, the number of chimneys were based on the latest license provided by EPD.

[2] Locations of chimneys were verified on site. If there was no information provided by operators and the chimneys cannot be identified on site (but advised by operator / SP licence that there are chimney operation), it would assume the chimneys are at the centre of the industrial lots for assessments purpose.

[3] Information are provided by the operators / SP Licence.

[4] Premises is under construction and there was no chimney operation as advised by the operator.

[5] SP Licence indicates two chimneys in use, while information provided by the operator and onsite verification indicates three chimneys in use.

For conservative assessment purpose, three in-use chimneys are adopted.

Appendix 2.12.4

Photos on observation points
where odorous smell was
observed

Photos taken near the Potential Odourous Sources

Observation Points	Source Location	Photo
A	Shan Pui River near Cable Bridge	
B	Shan Pui River	
C	Inflatable Dam at Shan Pui River	
D	Nullah along Yuen Long Industrial Estate and next to Chu Wong Ling	

Appendix 2.12.5

Major industrial noise source
identified at existing YLIE and
at Fuk Shun Street and Long
Ping Estate

ID	Description	Activities/Equipment	Activities ID	Operation Period		Remark
				Daytime	Nighttime	
AC01		Cooling tower x 3 at rooftop	FD01	Y	Y	-
AC02		Machinery in workshop with window opened	FD02	Y	Y	-
AC03		Fan exhaust at facade	FD03	Y	Y	-
AC04		Fan exhaust at facade	FD04	Y	Y	-
AC05		Fan exhaust at facade	FD05	Y	Y	-
AC06		Fan exhaust at facade	FD06	Y	Y	-
AC07		Fan exhaust at facade	FD07	Y	Y	-
AC08		Machinery in workshop with window opened	FD08	Y	Y	-
AC09		Goods loading / unloading with forklift	FD09	Y	N	As advised by the operator, goods loading / unloading only taken during daytime period
AC10		Goods loading / unloading with hand pallet truck	FD10	Y	N	As advised by the operator, goods loading / unloading only taken during daytime period
AE01		Loading / unloading using lorry with crane	FD11	Y	N	-
AE02		Goods loading / unloading with hand pallet truck	FD12	Y	N	-
AE03		Goods loading / unloading with forklift	FD13	Y	N	-
AE04		Hammering	FD14	Y	N	-
AE05		Fan exhaust at facade	FD15	Y	N	-
AE06		Operation of gantry crane	FD16	Y	N	-
BF1101		Cooling tower x4 at rooftop	FD17	Y	Y	-
BF1102		Louvers and fan exhausts on south-west facade	FD18	Y	Y	Assume 24 hours operation as a worst case scenario
BF1103		Louvers and fan exhaust on north-east facade	FD19	Y	Y	Assume 24 hours operation as a worst case scenario
BF2101		Cooling tower x3 at rooftop and ground	FD20	Y	Y	Assume 24 hours operation as a worst case scenario
BF2102		Ventilation fan x5 at rooftop	FD21	Y	Y	Assume 24 hours operation as a worst case scenario
BF2103		Louvers and fan exhausts on south-east facade	FD22	Y	Y	Assume 24 hours operation as a worst case scenario
BF3101		Ventilation fan at rooftop	FD23	Y	Y	Assume 24 hours operation as a worst case scenario
BF3102		Cooling tower x2 on ground level	FD24	Y	Y	Assume 24 hours operation as a worst case scenario
BF3103		Louvers and fan exhausts on north-west facade	FD25	Y	Y	Assume 24 hours operation as a worst case scenario
BF3104		Louvers and fan exhausts on south-east facade	FD26	Y	Y	Assume 24 hours operation as a worst case scenario
BF4101		Cooling tower x4 at rooftop	FD27	Y	Y	Factory about to complete construction; Assume 24 hours operation as a worst case scenario
BF4102		Louvers and fan exhausts on north-east facade	FD28	Y	Y	Factory about to complete construction; Assume 24 hours operation as a worst case scenario
BF4103		Louvers and fan exhausts on south-east facade	FD29	Y	Y	Factory about to complete construction; Assume 24 hours operation as a worst case scenario
BF4104		Louvers and fan exhausts on south-west facade	FD30	Y	Y	Factory about to complete construction; Assume 24 hours operation as a worst case scenario
BF4105		Louvers and fan exhausts on north-west facade	FD31	Y	Y	Factory about to complete construction; Assume 24 hours operation as a worst case scenario
BF5101		Louvers and fan exhausts on south-east facade	FD32	Y	Y	Assume 24 hours operation as a worst case scenario
BF6101		Chiller x6 on rooftop	FD33	Y	Y	Assume 24 hours operation as a worst case scenario
BF6102		Louvers and fan exhausts on north-west facade	FD34	Y	Y	Assume 24 hours operation as a worst case scenario
BF6103		Louvers and fan exhausts on south-east facade	FD35	Y	Y	Assume 24 hours operation as a worst case scenario
-		-	FD36	-	-	No factory buildings / equipment
CT01		Condensers x 2 at rooftop	FD37	Y	N	-
CT02		Goods loading / unloading with forklift	FD38	Y	N	-
CT03		Goods loading / unloading with forklift (large)	FD39	Y	N	-
CT04		Fan exhaust at facade	FD40	Y	N	-
CT05		Fan exhaust at facade	FD41	Y	N	-
CT06		Workshop with window opened	FD42	Y	N	-
CT07		Fan exhaust at facade	FD43	Y	N	-
CT08		Reach stacker	FD44	Y	N	-
CT09		Exhaust at facade	FD45	Y	N	-
CT10		Goods loading / unloading with forklift	FD46	Y	N	-
CT11		Baler	FD47	Y	N	-
CT12		Loading / unloading scrap metal with material	FD48	Y	N	-
CD01		Cooling tower at rooftop	FD49	Y	Y	Assume 24 hours operation as a worst case scenario
CD02		Louvers and fan exhaust at south-east facade	FD50	Y	Y	Assume 24 hours operation as a worst case scenario
CD03		Louvers and fan exhaust at north-west facade	FD51	Y	Y	Assume 24 hours operation as a worst case scenario
CD04		Louvers and fan exhaust at south-west facade	FD52	Y	Y	Assume 24 hours operation as a worst case scenario
CI1101		Operation of public address system within the factory	FD53	Y	Y	Assume 24 hours operation as a worst case scenario
CI2101		Goods loading / unloading with forklift	FD54	Y	Y	Assume 24 hours operation as a worst case scenario
CW01		Pump room with door opened	FD55	Y	Y	-
CW02		Plant room with door opened	FD56	Y	Y	-
CW03		Louvre on facade	FD57	Y	Y	-
CW04		Condenser unit on rooftop	FD58	Y	Y	-
CW05		Cooling tower on rooftop	FD59	Y	Y	-
DC01		Condenser unit and fan exhaust at facade	FD60	Y	Y	Assume 24 hours operation as a worst case scenario
DC02		Goods delivery with trolley	FD61	Y	Y	Assume 24 hours operation as a worst case scenario
DC03		Fan exhaust on facade	FD62	Y	Y	Assume 24 hours operation as a worst case scenario
DC04		Goods loading / unloading with forklift	FD63	Y	Y	Assume 24 hours operation as a worst case scenario
DC05		Louvre at GF	FD64	Y	Y	Assume 24 hours operation as a worst case scenario
DC06		Cooling tower x 6 at rooftop (at north)	FD65	Y	Y	Assume 24 hours operation as a worst case scenario
DC07		Cooling tower x 4 at rooftop (at middle)	FD66	Y	Y	Assume 24 hours operation as a worst case scenario
DW01		Boiler	FD67	Y	Y	Boiler under a canopy cove
DW02		Cooling tower	FD68	Y	Y	-
DW03		Waste collection truck	FD69	Y	Y	-
DW04		Maintenance workshop	FD70	Y	Y	-

ID	Description	Activities/Equipment	Activities ID	Operation Period		Remark
				Daytime	Nighttime	
DW05		Pneumatic pump	FD71	Y	Y	-
DW06		Industrial centrifuge	FD72	Y	Y	-
DW07		Fan exhaust	FD73	Y	Y	-
DW08		Goods loading / unloading with forklift	FD74	Y	Y	-
EP01		Ventilation fans at rooftop	FD75	Y	Y	Assume 24 hours operation as a worst case scenario
EP02		Louvers and fan exhaust at north facade	FD76	Y	Y	Assume 24 hours operation as a worst case scenario
EP03		Goods loading / unloading with forklift	FD77	Y	Y	Assume 24 hours operation as a worst case scenario
EY1101		Cooling tower x 4 on rooftop	FD78	Y	Y	Assume 24 hours operation as a worst case scenario
EY1102		Louvers and fan exhaust at west facade	FD79	Y	Y	Assume 24 hours operation as a worst case scenario
EY2101		Louvers and fan exhaust at south facade	FD80	Y	Y	Factory still under construction. Assume 24 hours operation as a worst case scenario
EY2102		Louvers and fan exhaust at north facade	FD81	Y	Y	Factory still under construction. Assume 24 hours operation as a worst case scenario
-		-	FD82	-	-	Factory under construction
FS01		Operation of gantry crane	FD83	Y	N	-
FS02		Loading / unloading by lorry with crane	FD84	Y	N	-
FS03		Goods loading / unloading with forklift	FD85	Y	N	-
FS04		Louvre on facade	FD86	Y	N	-
FS05		Louvre on facade	FD87	Y	N	-
FS06		Operation of gantry crane	FD88	Y	N	-
FS07		Louvre on facade	FD89	Y	N	-
FS08		Workshop with door opened	FD90	Y	N	-
FS09		Sheet steel cutting machine	FD91	Y	N	Sheet steel cutting machine in factory workshop
PC01		Plant area at west	FD92	Y	Y	Assume 24 hours operation as a worst case scenario
PC02		Plant area at east	FD93	Y	Y	Assume 24 hours operation as a worst case scenario
I201		Fan exhaust on facade	FD94	Y	Y	-
I202		Fan exhaust on facade	FD95	Y	Y	-
I203		Cooling tower inside factory	FD96	Y	Y	As advised by the operator, it normally operates 24 hours operation under normal condition
I204		Chiller inside factory	FD97	Y	Y	As advised by the operator, it normally operates 24 hours operation under normal condition
I205		Fan exhaust on facade	FD98	Y	Y	-
I206		Cooling tower at rooftop	FD99	Y	Y	As advised by the operator, it normally operates 24 hours operation under normal condition
I207		Compressor room with door opened	F100	Y	Y	As advised by the operator, it normally operates 24 hours operation under normal condition
KY01		Cooling tower	F101	Y	N	As advised by the operator, it normally operates during daytime period only
KY02		Fan exhaust x3 on facade	F102	Y	Y	Assume 24 hours operation as a worst case scenario
KY03		Fan exhaust x3 at roof	F103	Y	Y	Assume 24 hours operation as a worst case scenario
KY04		Goods loading / unloading with hand pallet truck	F104	Y	N	As advised by the operator, loading / unloading only taken during daytime period
KY05		Goods loading / unloading with forklift	F105	Y	N	As advised by the operator, loading / unloading only taken during daytime period
LX01		Loading / unloading using lorry with crane	F106	Y	N	-
LH01		Cooling towers at rooftop	F107	Y	Y	Assume 24 hours operation as a worst case scenario
LH02		Louvers and fan exhaust on west facade	F108	Y	Y	Assume 24 hours operation as a worst case scenario
NT01		Cooling tower x 2 at rooftop	F109	Y	N	As advised by the operator, it normally operates during daytime period only
NT02		Water pump x 2 at rooftop	F110	Y	N	As advised by the operator, it normally operates during daytime period only
NT03		Condenser x 5 at rooftop	F111	Y	Y	-
NT04		Fan exhaust at rooftop	F112	Y	Y	-
NT05		Chiller plant room with door opened	F113	Y	Y	-
NT06		Louvre at G/F	F114	Y	Y	-
NT07		Exhaust at rooftop	F115	Y	Y	-
NT08		Louvre at 2/F	F116	Y	Y	-
NT09		Fan exhaust at rooftop	F117	Y	Y	-
NT10		Fan exhaust at rooftop	F118	Y	Y	-
NT11		Fan exhaust at rooftop	F119	Y	Y	-
NT12		Louvre at rooftop	F120	Y	Y	-
NT13		Louvre at rooftop	F121	Y	Y	-
NT14		Fan exhaust at rooftop	F122	Y	Y	-
NT15		Ventilation fan x 9 at rooftop	F123	Y	N	As advised by the operator, it normally operates during daytime period only
NT16		Louvre at G/F	F124	Y	Y	-
NT17		Exhaust at G/F	F125	Y	Y	-
NT18		Exhaust at G/F	F126	Y	Y	-
NT19		Goods loading / unloading from lorry	F127	Y	N	As advised by the operator, loading / unloading only taken during daytime period
NM01		Condenser and fan exhaust at rooftop	F128	Y	Y	Assume 24 hours operation as a worst case scenario
NM02		Louvre and fan exhaust at east facade	F129	Y	Y	Assume 24 hours operation as a worst case scenario
NM03		Louvre and fan exhaust at south facade	F130	Y	Y	Assume 24 hours operation as a worst case scenario
NM04		Louvre and fan exhaust at west facade	F131	Y	Y	Assume 24 hours operation as a worst case scenario
NM05		Cooling tower on rooftop	F132	Y	Y	Assume 24 hours operation as a worst case scenario
NM06		-	F133	-	-	No operation in factory currently
NM07		Folk lift, loading and unloading	F134	Y	Y	-
NM08		Exhaust at rooftop	F135	Y	Y	-
NM09		Chiller x 2 at rooftop	F136	Y	Y	-
NM10		High speed steam outlet at rooftop	F137	Y	Y	-
NM11		Condenser at rooftop	F138	Y	Y	-
NM12		Condenser unit x 3 at rooftop	F139	Y	Y	-
NM13		Exhaust fan at rooftop	F140	Y	Y	-
NM14		Louvre at rooftop	F141	Y	Y	-
NM15		Condensers at rooftop	F142	Y	Y	-
NM16		Exhaust fan at rooftop	F143	Y	Y	-
NM17		Louvre at rooftop	F144	Y	Y	-
NM18		Exhaust fan at rooftop	F145	Y	Y	-

ID	Description	Activities/Equipment	Activities ID	Operation Period		Remark
				Daytime	Nighttime	
SM13		Pipe valve	F146	Y	Y	-
SM14		Lorry	F147	Y	N	-
SM15		Goods loading / unloading with forklift	F148	Y	Y	As advised by the operator, loading / unloading only taken during daytime period
SM16		Packaging workshop with window opened	F149	Y	Y	-
SM17		Louvre at 1/F	F150	Y	Y	-
SM18		Louvre at 1/F	F151	Y	Y	-
SM19		Corridor opening	F152	Y	Y	-
SM20		Exhaust fan at rooftop	F153	Y	Y	-
SM21		Exhaust fan at rooftop	F154	Y	Y	-
SM22		Louvre at facade	F155	Y	Y	-
SM23		Louvre at facade	F156	Y	Y	-
SM24		Louvre at facade	F157	Y	Y	-
SM25		Louvre at facade	F158	Y	Y	-
SM26		Pump room with door opened	F159	Y	Y	-
SM27		Water pump x 2 at ground level	F160	Y	Y	-
SM28		Packaging workshop with window opened	F161	Y	Y	-
SM29		Goods loading / unloading with forklift	F162	Y	Y	-
SM30		Packaging workshop with window opened	F163	Y	Y	-
SM31		Boiler x 4 in the Boiler room with gate opened	F164	Y	Y	-
SM32		Vacuum Pump x2 at ground level	F165	Y	Y	-
SM33		Spent grain silo (麥連粉)	F166	Y	N	As advised by the operator, it normally operates during daytime period only
-			F167	-	-	No factory buildings / equipment
-			F168	-	-	Factory not in use currently
TI01		Chiller at rooftop	F169	Y	Y	Assume 24 hours operation as a worst case scenario
TI02		Cooling tower at rooftop	F170	Y	Y	Assume 24 hours operation as a worst case scenario
CE01		Chiller x2 at rooftop	F171	Y	Y	Assume 24 hours operation as a worst case scenario
CE02		Cooling tower at rooftop	F172	Y	Y	Assume 24 hours operation as a worst case scenario
UL01		Cooling tower x 3 at rooftop	F173	Y	N	-
UL02		Pump room at rooftop with door opened	F174	Y	N	-
UL03		Boiler room at rooftop with door opened	F175	Y	N	-
UL04		Vent outlet	F176	Y	N	-
UL05		Pump room at rooftop with door opened	F177	Y	N	-
UL06		Exhaust Louvre	F178	Y	N	-
UL07		Exhaust opening	F179	Y	N	-
UL08		polishing machine (拋光機) in workshop	F180	Y	N	-
UL09		Exhaust Louvre	F181	Y	N	-
UL10		Fan Exhaust	F182	Y	N	-
UL11		Goods loading / unloading with forklift	F183	Y	N	-
UL12		Goods loading / unloading with hand pallet truck	F184	Y	N	-
TF01		Fan at rooftop	F185	Y	N	-
TF02		Fan at rooftop	F186	Y	N	-
TF03		Cooling tower at rooftop	F187	Y	N	-
TF04		Cooling Tower at rooftop	F188	Y	N	-
TF05		Workshop with gate opened	F189	Y	N	-
TF06		Ventilation fan at GF	F190	Y	N	-
TF07		Ventilation fan at GF	F191	Y	N	-
TF08		Ventilation fan at GF	F192	Y	N	-
TF09		Workshop with gate opened	F193	Y	N	-
TF10		Exhaust fan on facade	F194	Y	N	-
TF11		Exhaust fan on facade	F195	Y	N	-
TC1/101		Cooling towers at rooftop	F196	Y	Y	Assume 24 hours operation as a worst case scenario
TC1/102		Louvre and fan exhaust at south east facade	F197	Y	Y	Assume 24 hours operation as a worst case scenario
TC1/103		Louvre and fan exhaust at north west facade	F198	Y	Y	Assume 24 hours operation as a worst case scenario
TC2/201		Chiller x2 at rooftop	F199	Y	Y	Assume 24 hours operation as a worst case scenario
TC2/202		Louvre at facade	F200	Y	Y	Assume 24 hours operation as a worst case scenario
TP01		Fan exhaust at rooftop	F201	Y	Y	-
TP02		Fan exhaust at rooftop	F202	Y	Y	-
TP03		Fan exhaust at rooftop	F203	Y	Y	-
TP04		Goods loading / unloading with forklift	F204	Y	N	Daytime operation only
TP05		Good delivery with trolley	F205	Y	N	Daytime operation only
TP06		Cooling tower x6 at rooftop	F206	Y	Y	-
TP07		Water cooled chiller x 4 at rooftop	F207	Y	Y	-
TP08		Cooling Tower at lower roof	F208	Y	Y	-
TP09		Paper shredder	F209	Y	N	Daytime operation only
TP10		Fan exhaust at rooftop	F210	Y	Y	-
TP11		Fan exhaust at rooftop	F211	Y	Y	-
TP12		Fan exhaust at rooftop	F212	Y	Y	-
TP13		Fan exhaust at rooftop	F213	Y	Y	-
TP14		Louvre on facade	F214	Y	Y	-
TP15		Louvre on facade	F215	Y	Y	-
TP16		Louvre on facade	F216	Y	Y	-
TP17		Louvre on facade	F217	Y	Y	-
TP18		Louvre on facade	F218	Y	Y	-
TP19		Louvre on facade	F219	Y	Y	-
TP20		Louvre on facade	F220	Y	Y	-

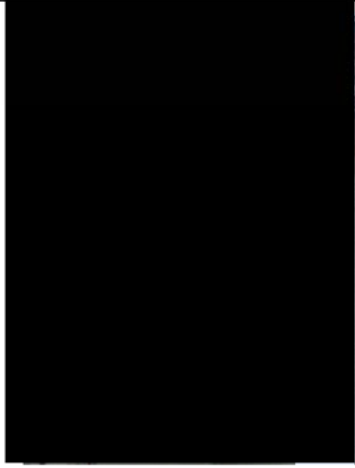
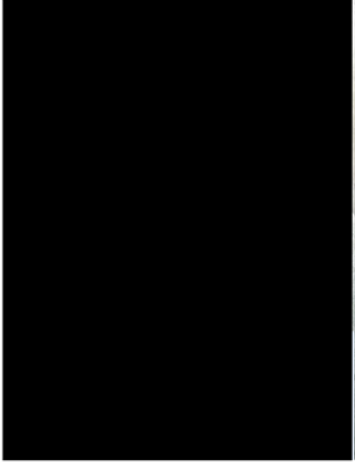
ID	Description	Activities/Equipment	Activities ID	Operation Period		Remark
				Daytime	Nighttime	
TP21		Louvre on facade	F221	Y	Y	-
TP22		Louvre on facade	F222	Y	Y	-
TP23		Louvre on facade	F223	Y	Y	-
TP24		Goods loading / unloading with forklift	F224	Y	N	Daytime operation only
TP25		Louvre on facade	F225	Y	Y	-
TP26		Louvre on facade	F226	Y	Y	-
TP27		Paper Compactor	F227	Y	N	Daytime operation only
TP28		Louvre on facade	F228	Y	Y	-
US01		Goods loading / unloading with forklift	F229	Y	N	As advised by the operator, it normally operates during daytime period only
US02		Air compressor	F230	Y	N	As advised by the operator, it normally operates during daytime period only
US03		Cutter	F231	Y	N	As advised by the operator, it normally operates during daytime period only
US04		Louvre on north-east facade	F232	Y	Y	-
US05		Pump room with door opened	F233	Y	Y	-
VE01		Punching of CNC machine	F234	Y	N	CNC machine placed in workshop
VE02		Ventilation louvre	F235	Y	N	-
VE03		Fan exhaust at facade	F236	Y	N	-
VM01		Cooling tower at rooftop	F237	Y	N	-
VM02		Cooling tower at rooftop	F238	Y	N	-
VM03		Cooling tower at rooftop	F239	Y	N	-
VM04		Pumps at rooftop	F240	Y	N	-
VM05		Pumps at rooftop	F241	Y	N	-
VM06		Pumps at rooftop	F242	Y	N	-
VM07		Chillers at rooftop	F243	Y	N	-
VM08		Louvre at rooftop	F244	Y	N	-
VM09		Louvre at rooftop	F245	Y	N	-
VM10		Louvre at rooftop	F246	Y	N	-
VM11		Cooling tower at rooftop	F247	Y	N	-
VM12		Waste collection truck	F248	Y	N	Not operating during visit
WF01		Fan exhaust at rooftop	F249	Y	Y	-
WF02		Fan exhaust at facade	F250	Y	Y	Assume 24 hours operation as a worst case scenario
XY01		Condenser unit X2 on ground level	F251	Y	N	Assume 24 hours operation as a worst case scenario
XY02		Ventilation fan at G/F	F252	Y	N	-
XY03		Exhaust fan on ground level	F253	Y	N	-
XY04		Cooling tower at G/F	F254	Y	N	-
XY05		Cooling tower at G/F	F255	Y	N	-
XY06		Goods delivery with forklift	F256	Y	N	-
XY07		Goods loading and unloading with forklift	F257	Y	N	-
YS01		Workshop with door opened	F258	Y	N	Sand blasting machine out of order and not operating during visit.
YS02		Workshop with window opened	F259	Y	N	Sand blasting machine out of order and not operating during visit.
YS03		Workshop with door opened	F260	Y	N	Sand blasting machine out of order and not operating during visit.
YS04		Workshop with door opened	F261	Y	N	Sand blasting machine out of order and not operating during visit.
YS05		Workshop with door opened	F262	Y	N	Sand blasting machine out of order and not operating during visit.
YS06		Louvre	F263	Y	N	-
YS07		Goods loading / unloading with forklift	F264	Y	N	-
YS01		Condenser at rooftop	F265	Y	N	-
YG02		Workshop with door opened	F266	Y	N	-
YG03		Workshop with door opened	F267	Y	N	-
YG04		Gantry operation in workshop	F268	Y	N	-
YG05		Workshop with door opened	F269	Y	N	-
YG06		Workshop with door opened	F270	Y	N	-
YG07		Workshop with door opened	F271	Y	N	-
YG08		Workshop with door opened	F272	Y	N	-
YG09		Workshop with door opened	F273	Y	N	-
YG10		Workshop with door opened	F274	Y	N	-
YG11		Workshop with door opened	F275	Y	N	-
YG12		Workshop with door opened	F276	Y	N	-
YG13		Ventilation fan at ground level	F277	Y	N	-
YG14		Goods loading / unloading with forklift	F278	Y	N	-
YD01		Diesel engine testing	F279	Y	Y	Assume 24 hours operation as a worst case scenario
YD02		Louvre at facade	F280	Y	Y	Assume 24 hours operation as a worst case scenario
YT01		Operation of stripping machine in factory with door opened	F281	Y	N	-
YT02		Fan exhaust	F282	Y	N	-
YT03		Fan exhaust	F283	Y	N	-
YT04		Rolling-off machine x 4 inside the factory with door opened	F284	Y	N	-
YT05		Opening of underground water tank	F285	Y	N	-
YT06		Fan exhaust at facade	F286	Y	N	-
YT07		Fan exhaust at facade	F287	Y	N	-
YT08		Boiler room with gate opened	F288	Y	Y	Daytime and night time operation
YT09		Boiler room with door opened	F289	Y	Y	Daytime and night time operation
YT10		Steam outlet underneath water tank	F290	Y	Y	Daytime and night time operation
YT11		Transformer room	F291	Y	N	-
YT12		Scouring machine (磨床機) in workshop with door opened	F292	Y	N	-
YT13		Scouring machine (磨床機) in workshop with window opened	F293	Y	N	-

ID	Description	Activities/Equipment	Activities ID	Operation Period		Remark
				Daytime	Nighttime	
YT14		Scouring machine (磨邊機) in workshop with window opened	F294	Y	N	-
YT15		Louvre at GF	F295	Y	N	-
YT16		Louvre at GF	F296	Y	N	-
YT17		Louvre at rooftop	F297	Y	N	-
YT18		Louvre at rooftop	F298	Y	N	-
YT19		Boiler room with door opened	F299	Y	N	-
YT20		Water treatment tank	F300	Y	N	-
YT21		Cylinder dryer (烘缸) room with door opened	F301	Y	N	-
YT22		Condensers on ground level	F302	Y	N	-
YT23		Exhaust fans at rooftop	F303	Y	N	-
YT24		Exhaust fans at rooftop	F304	Y	N	-
-		-	F305	-	-	No factory buildings / equipment
JP01		Cooling Tower x 2 at rooftop	F306	Y	Y	Assume 24 hours operation as a worst case scenario
JP02		Exhaust at GF	F307	Y	Y	Assume 24 hours operation as a worst case scenario
JP03		Blower	F308	Y	Y	Assume 24 hours operation as a worst case scenario

Project : P & E Study at Wang Chau
Job No. : 226464
Title: Other Fixed Noise Source Inventory
Subtitle: Inventory of Other Individual Fixed Noise Sources in Wang Chau

ID	Description	Activities/Equipment	Activities ID	Operation Period		Remark
				Daytime	Nighttime	
SS01	██████████	Transformer	F309	Y	Y	-
LP01	██████████	Condenser x6 at rooftop	F310	Y	Y	Assume 24 hours operation as a worst case scenario
LP02	██████████	Cooling tower on rooftop	F311	Y	Y	Assume 24 hours operation as a worst case scenario

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	08 Oct 2012	12:00 -13:00	[REDACTED]	- Cooling towers on rooftop - Fan exhaust at facade - Goods loading / unloading with forklift and hand pallet truck	As advised by the factory operator, the factory operates in 24 hours. Forklift and hand pallet truck were observed for loading & unloading.
[REDACTED]			[REDACTED]		[REDACTED]
[REDACTED]			[REDACTED]		[REDACTED]



Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	08 Oct 2012	15:00 -16:00		- Hammering - Goods loading / unloading with forklift and lorry with crane - Operation of gantry crane - Exhaust fan	As advised by the factory operator, the factory operates in daytime only. Lorry with crane, forklift and hand pallet truck were observed for loading & unloading.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	05 Oct 2012	11:00-12:00			Based on site observation, no noisy industrial activities were identified outside the building . As no information is available, night-time operation would be assumed as worst case scenario.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	05 Oct 2012	12:00-13:00		- Cooling towers at rooftop and ground level - Ventilation fans at rooftop - Louvre and fan exhaust at facade	Based on site observation, no noisy industrial activities were identified outside the building . As no information is available, night-time operation would be assumed as worst case scenario.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	04 Oct 2012	11:00-12:00		- Cooling tower at ground level - Ventilation fans on rooftop - Louvre and fan exhaust at facade	Based on site observation, no noisy industrial activities were identified outside the building . As no information is available, night-time operation would be assumed as worst case scenario.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	03 Oct 2012	12:00-13:00		- Cooling tower at rooftop - Ventilation fans at rooftop - Louvre and fan exhaust at facade	Based on site observation, factory construction is about to complete. As no information is available, night-time operation would be assumed as worst case scenario.

Noise Source ID: BF(5)01

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	05 Oct 2012	11:00-12:00	[REDACTED]	Louvre and fan exhaust at facade	Based on site observation, no noisy industrial activities were identified outside the building . As no information is available, night-time operation would be assumed as worst case scenario.

[illegible]

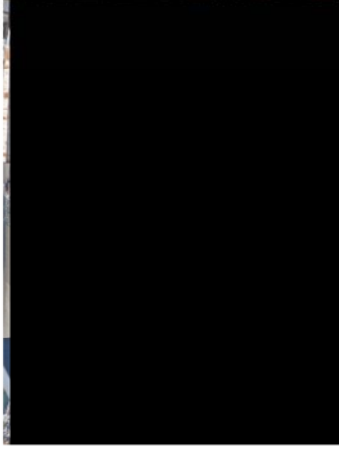
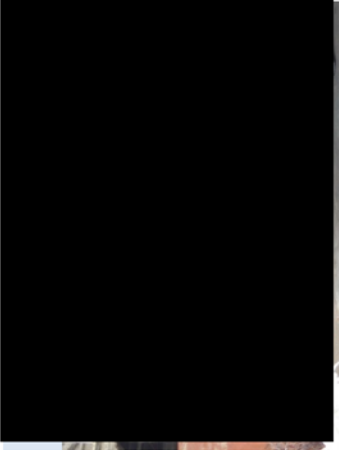
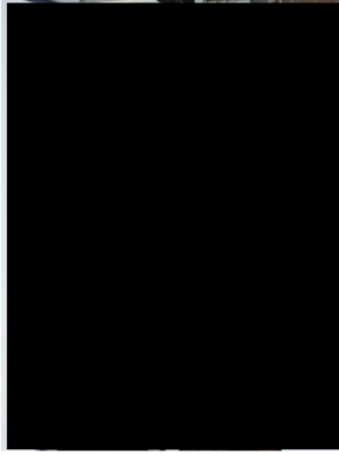
Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	28 Sept 2012	14:00-15:00		- Chiller at rooftop - Louvre and fan exhaust at facade	Based on site observation, no noisy industrial activities were identified outside the building . As no information is available, night-time operation would be assumed as worst case scenario.

Noise Source ID: -

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	03 Oct 2012	12:00-13:00		No noisy industrial activity has been identified	Based on site observation, the site was inactive and there was no industrial operation.

Noise Source ID: CT01 – CT07

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities/sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	03 Oct 2012	16:00 -17:00	[REDACTED]	• Condensers • Exhaust louvres • Exhaust Fans • Loading and unloading with forklift • Reach stacker	As advised by the factory operator and based on site observation, the factory operates in daytime only.
[REDACTED]	04 Oct 2012	11:00 -12:00	[REDACTED]		Reach stacker and forklift were observed for loading and unloading. The reach stacker moved around the yard with no specific route for operation.
[REDACTED]	09 Oct 2012	14:00 -15:30	[REDACTED]		



Noise Source ID: CD01 - CD04

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	12 Oct 2012	9:00-10:00	[REDACTED]	- Cooling tower at rooftop - Louvre and fan exhaust at facade	As advised by the security guard of the factory, most machines were removed and there was only limited operation for administrative purpose. As information is very limited, night-time operation would be assumed as worst case scenario.

[illegible]

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	29 Aug 2012	10:00-11:00		Public address within the factory	Based on site observation, there was public address system operation within the site. As no information is available, night-time operation would be assumed as worst case scenario.

Noise Source ID: CI(2)01

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities/sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	29 Aug 2012	10:00-11:00		Goods loading / unloading with forklift.	Based on site observation, loading and unloading activities were observed within the factory site area on ground floor open space. As no information is available, night-time operation would be assumed as worst case scenario.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	03 Oct 2012	14:00-15:00		- Cooling tower at rooftop - Condenser unit at rooftop - Pump room - Exhaust fan on facade	As advised by the factory operator, the factory operates in 24 hours.

Noise Source ID: DC01 - DC07

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	9 Oct 2012	10:00-12:00	[REDACTED]	• Cooling tower at rooftop • Condensers, louvre and fan exhaust at façade • Goods loading / unloading with forklift	Based on site observation, there was noise generated from the louvres on building facade. 10 nos. large cooling towers were located at the rooftop. Loading and unloading activities were observed during daytime. As no information is available, night-time operation would be assumed as worst case scenario.

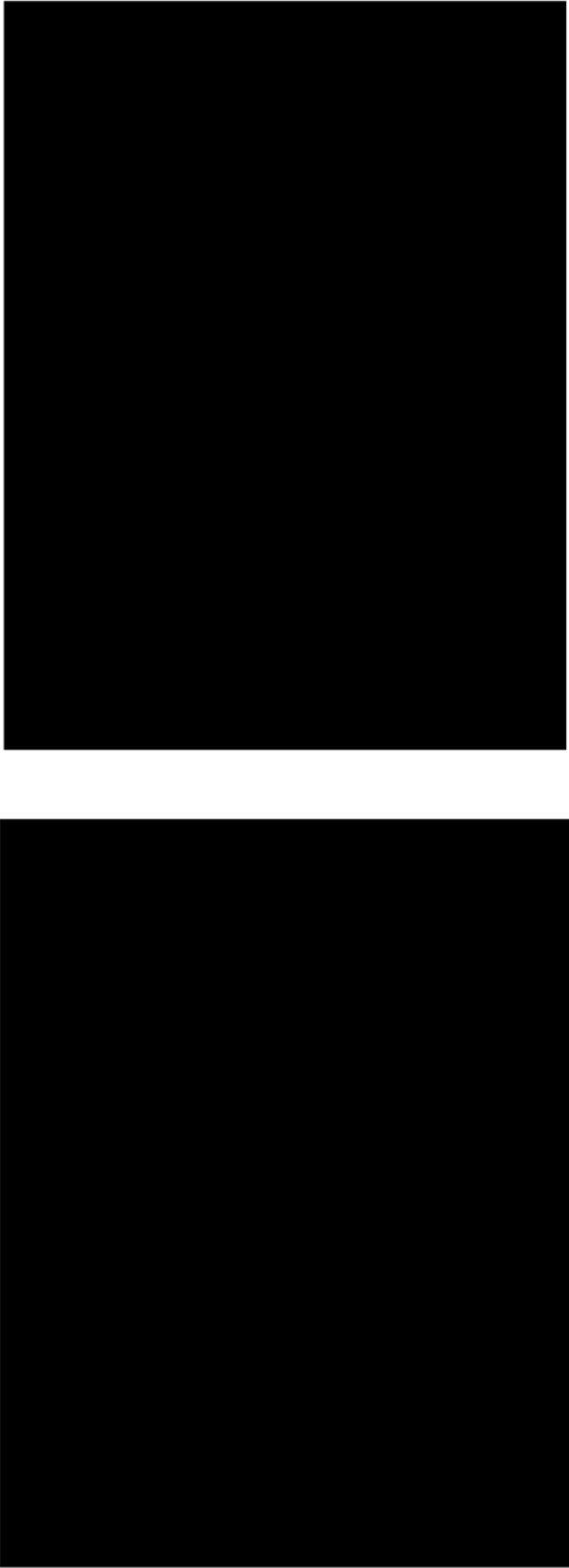
Noise Source ID: DW01 – DW08

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	05 Oct 2012	14:00-15:00	[REDACTED]	- Boiler - Cooling tower - Waste truck - Pneumatic pump - Industrial centrifuge - Fan exhaust - Goods loading / unloading with forklift	As advised by the employee, the factory operates in 24 hours . Forklifts were observed to operates inside factory for loading and unloading in an irregular basis. Photo taking was not allowed inside the site.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: EP01 - EP03

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	3 Oct 2012	15:00-16:00		• Ventilation fans at rooftop • Goods loading / unloading with forklift	As no information is available, night-time operation would be assumed as worst case scenario.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	12 Oct 2012	09:00-10:00		- Cooling towers at rooftop - Louvre and fan exhaust at facade	Based on site observation, no noisy industrial activities were identified outside the building . As no information is available, night-time operation would be assumed as worst case scenario.



Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	12 Oct 2012	09:00-10:00	[REDACTED]	Louvre and fan exhaust at facade	Based on site observation, the factory was under construction. No noisy industrial activities were identified outside the building. As no information is available, night-time operation would be assumed as worst case scenario.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: -

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	4 Oct 2012	10:00-11:00		No noisy industrial activity has been identified	Based on site observation, the site was under construction and no superstructure has been built yet.

Noise Source ID: FS01 – FS06

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	03 Oct 2012	15:30-16:30	[REDACTED]	• Loading / unloading with forklift • Cutting machine • Gantry operation • Goods loading / unloading by lorry with crane • Louvre on facade • Workshop	As advised by the factory operator, the factory operates in daytime only.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]



Noise Source ID: PC01 – PC02

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	03 Oct 2012	11:00-12:00	[REDACTED]	Operation of plants at outdoor environment.	Access to the site was not allowed, observation and noise measurements were taken outside the site.
[REDACTED]	[REDACTED]				As no information is available, night-time operation would be assumed as worst case scenario.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Noise Source ID: IZ01 – IZ07

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities/sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	04 Oct 2012	10:00 -11:00	[REDACTED]	• Cooling tower • Chillers • Compressor • Exhaust on facade	As advised by the factory operator, the factory operates in 24 hours under normal condition. As advised by the factory operator and based on site observation, glass production process was enclosed inside building and noise generation was not identified. Major noise sources were identified to be cooling tower, compressor and chiller in the factory.

Noise Source ID: KY01-KY05

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	29 Aug 2012 17 Oct 2012	10:00-11:00 11:30-12:30	[REDACTED]	- Cooling tower - Fan exhaust at facade and rooftop - Goods loading / unloading with forklift and hand pallet truck	As advised by the factory operator, the factory operates in 24 hours under normal condition, plastic production process was enclosed inside building and noise generation was not identified. Major noise sources were identified to be cooling tower and fan exhausts on facade.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: LK01

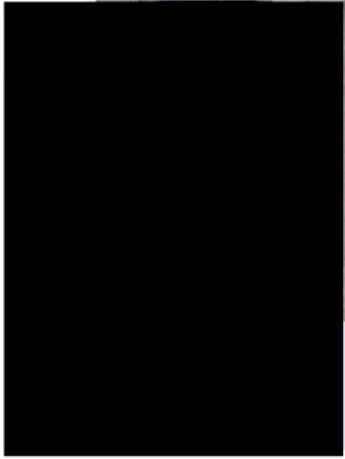
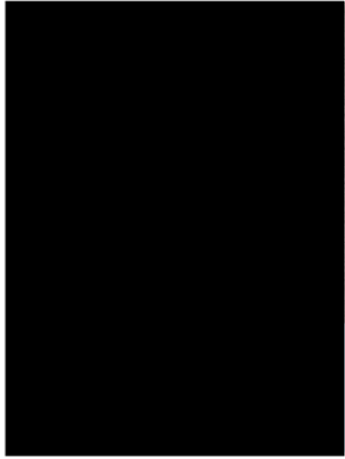
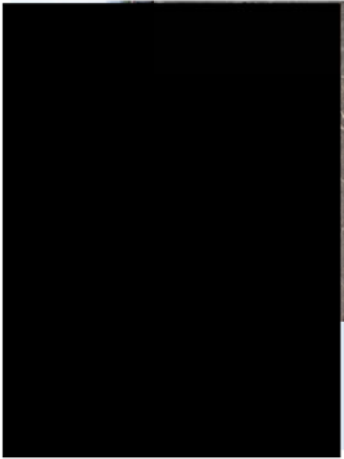
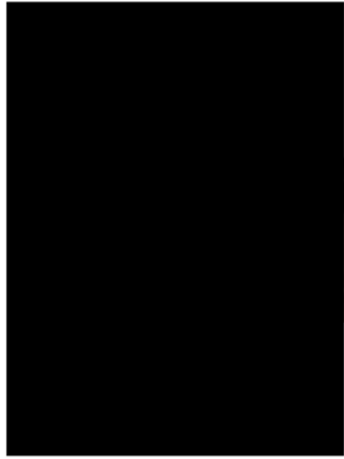
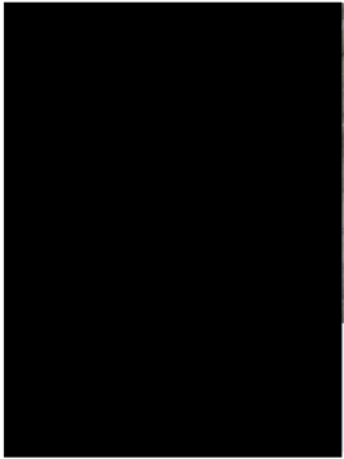
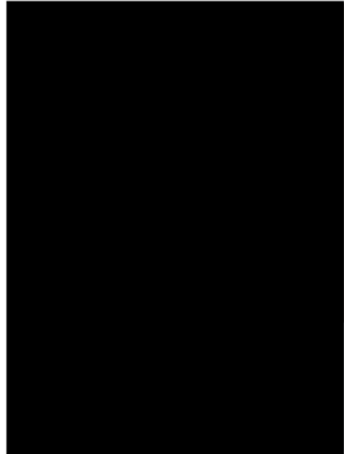
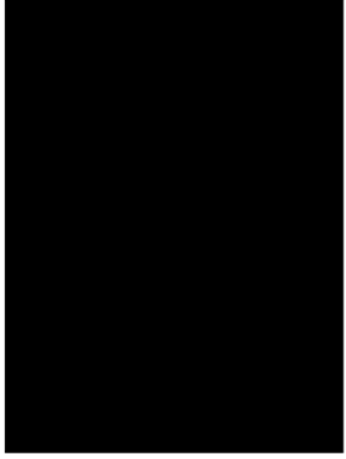
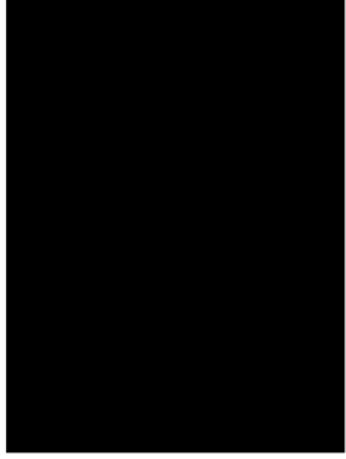
Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	04 Oct 2012	14:00 -16:00	[REDACTED]	Lorry with crane	As advised by the factory operator, the factory operates during daytime only and is mainly used for building material and piling machine storage.

[illegible]

Noise Source ID: LH01 – LH02

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	9 Oct 2012	15:00-16:00		- Cooling tower at rooftop - Louvres and fan exhaust on facade	Based on site observation, no noisy industrial activities were identified outside the building . As no information is available, night-time operation would be assumed as worst case scenario.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
██████████ ██████████	06 Oct 2012	10:30 -12:30	██████████	• Cooling towers • Condensers • Pumps • Louvres at facade • Exhaust fans • Loading and unloading with lorry and forklift	As advised by the factory operator, the factory operates in 24 hours. Production line will only operate during daytime but preparation work may be conducted during night-time period. Loading and unloading activities with forklift commence at 7am. Chiller plant room door was opened during he site inspection.
██████████	██████████	██████████	██████████	██████████	██████████
██████████	██████████	██████████	██████████	██████████	██████████



Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	9 Oct 2012	10:00-11:00		- Condenser and fan exhaust at rooftop - Louvre and fan exhaust at facade	Based on site observation, no noisy industrial activities were identified outside the building . As no information is available, night-time operation would be assumed as worst case scenario.

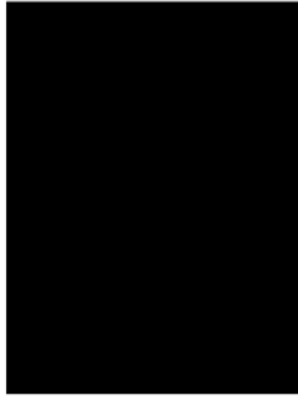
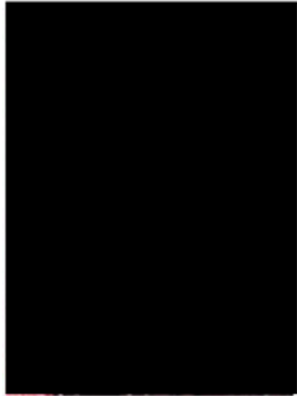
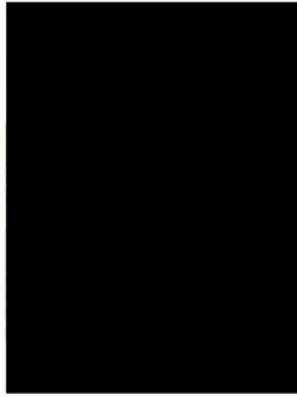
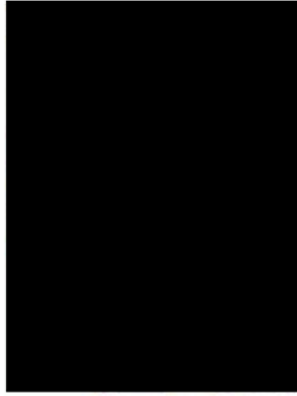
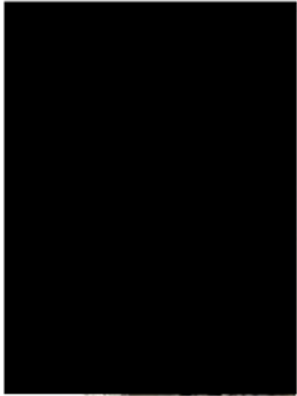
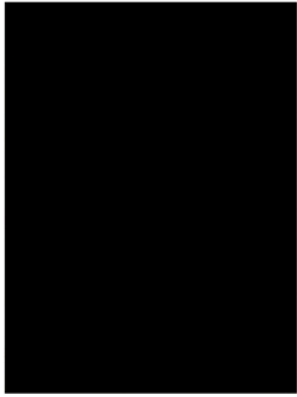
Noise Source ID: NJ01

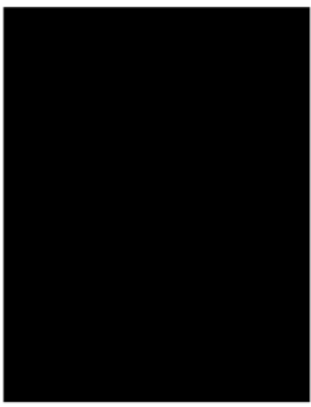
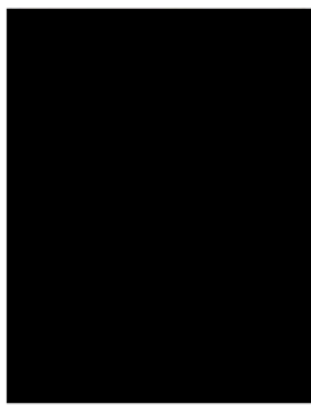
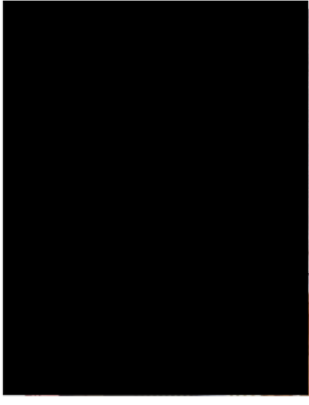
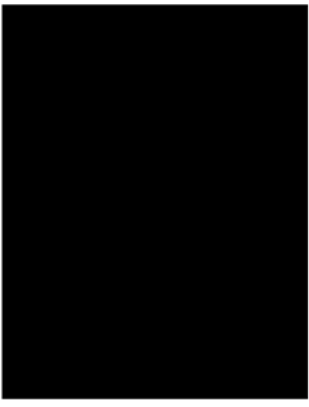
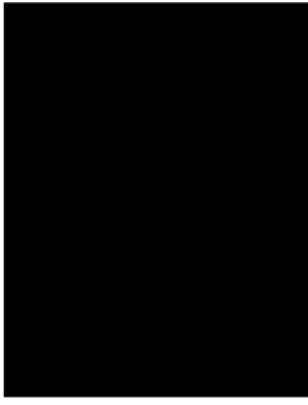
Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	3 Oct 2012	16:00-17:00		Cooling tower at rooftop	Based on site observation, no noisy industrial activities were identified outside the building . As no information is available, night-time operation would be assumed as worst case scenario.

Noise Source ID: -

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	6 Oct 2012	13:00-14:00		No noisy industrial activity has been identified	As advised by the security guard and factory operator, the factory was not operated. No industrial activities were identified during the site observation.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	04 Oct 2012 17 Oct 2012 18 Oct 2012	14:00 -16:00 10:00-11:00 14:00-15:00		• Condensers • Chillers • Exhaust louvres • Exhaust Fans • Loading and unloading with forklift and lorry • Workshop operation (packaging line) • Pipe valve • Boiler • Pumps • Spent grain silo (麥渣機)	As advised by the factory operator, the factory operates 24 hours under normal condition. Loading and unloading activities were identified during day-time period. Major noise sources identified were condensers, steam outlet, fan exhausts, pumps and the packaging workshop with window opened.





Noise Source ID: -

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	06 Oct 2012	13:00-14:00		No noisy industrial activity has been identified	Based on site observation, there was no building or industrial operation.

Noise Source ID: -

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	08 Oct 2012	12:00-13:00		No noisy industrial activity has been identified	As advised by the security guard and factory operator, the factory was not operated. No industrial activities were identified during the site observation.

Noise Source ID: TI01-TI02

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	29 Aug 2012	10:00-11:00	[REDACTED]	Chillers and cooling tower at rooftop	Based on site observation, condensers and cooling tower were located at the rooftop. As no information is available, night-time operation would be assumed as worst case scenario.

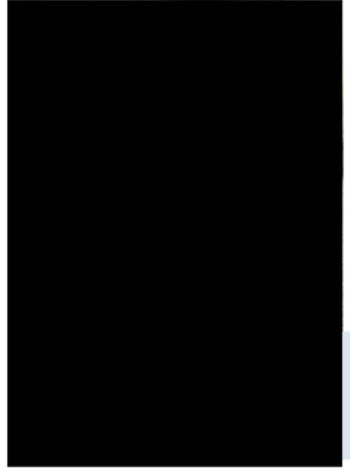
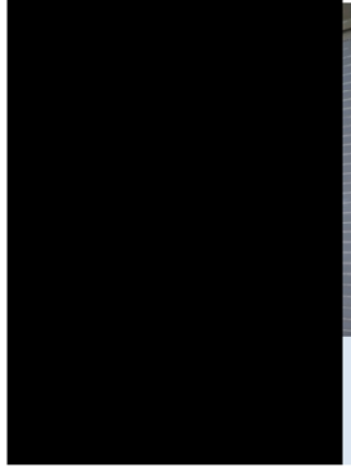
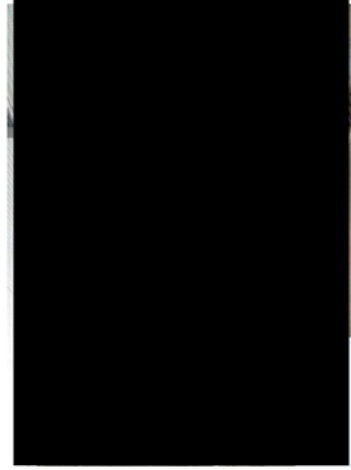
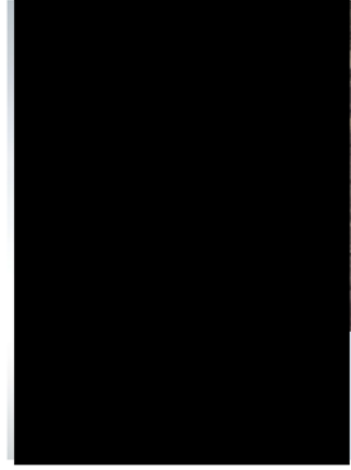


Noise Source ID: CE01-CE02

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	29 Aug 2012	10:00-11:00	[REDACTED]	Chillers and cooling tower at Rooftop	Based on site observation, condensers and cooling tower were located at the rooftop. As no information is available, night-time operation would be assumed as worst case scenario.

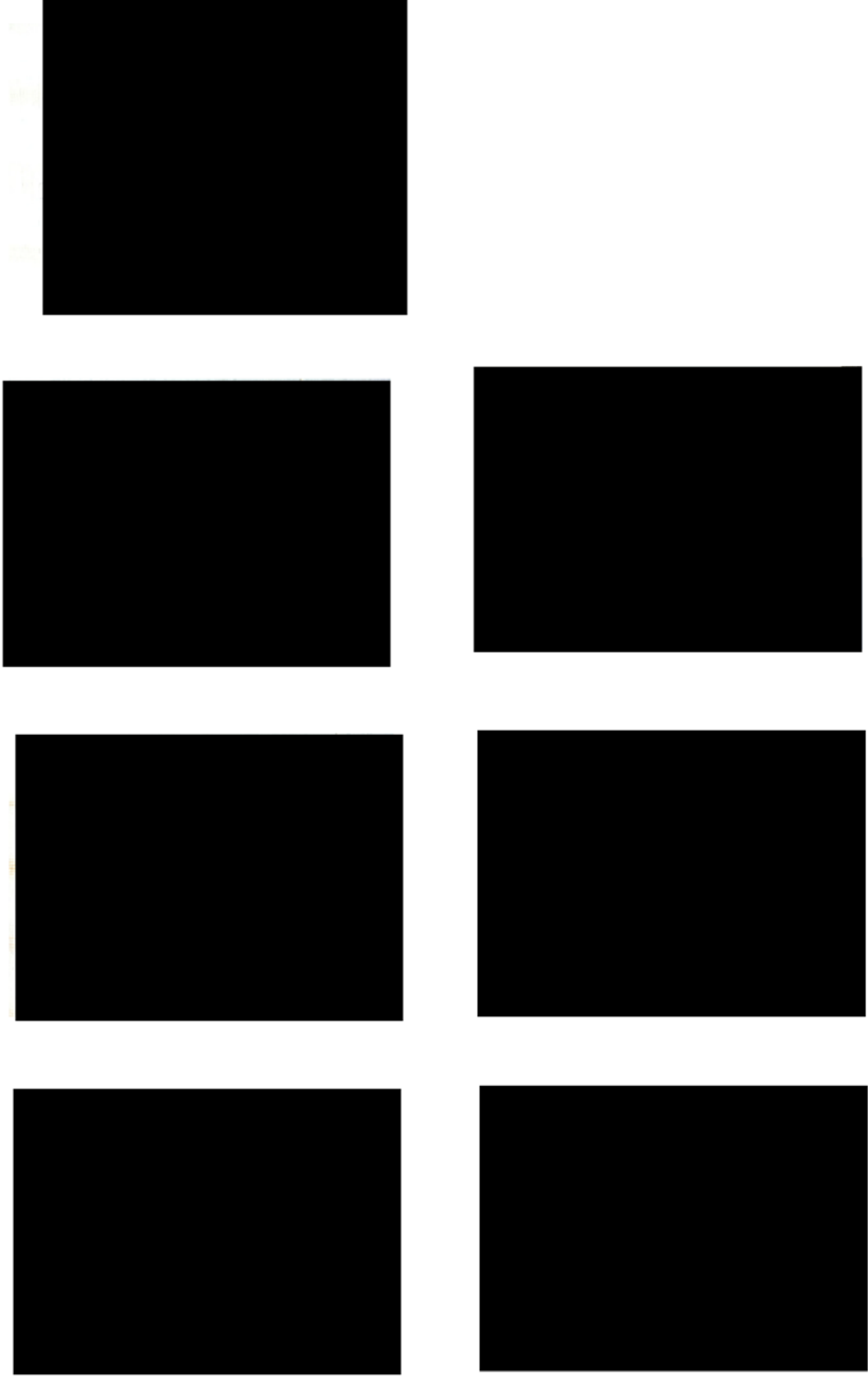
Noise Source ID: UL01 – UL06

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	08 Oct 2012	14:00 - 15:00	[REDACTED]	• Cooling towers at rooftop • Pump rooms at rooftop • Boiler room at rooftop • Exhaust at rooftop • Louvre at facade • Goods loading / unloading with forklift and hand pallet truck	As advised by the factory operator, the factory operates from 09:00 to 23:00. Forklift and hand pallet truck were observed for loading and unloading.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]



Noise Source ID: TF01 – TF04

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	03 Oct 2012	11:00-12:00		- Cooling tower at rooftop - Ventilation fans at rooftop and facade - Workshop with gate opened	As advised by the factory operator, the factory operates in daytime only. Some gates / doors were opened and major noise sources were identified to be ventilation fans and cooling towers



Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	9 Oct 2012	10:00-11:00		- Cooling towers at rooftop - Louvres and fan exhaust on facade	Based on site observation, no noisy industrial activities were identified outside the building . As no information is available, night-time operation would be assumed as worst case scenario.

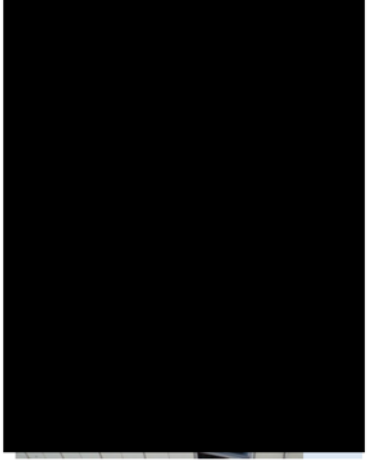
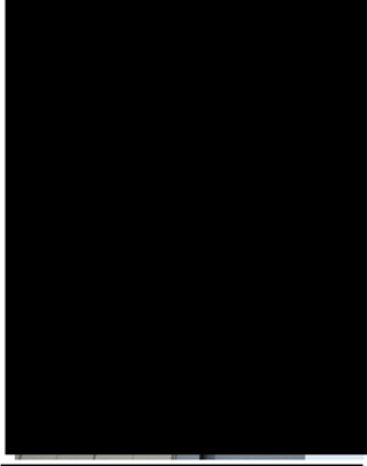
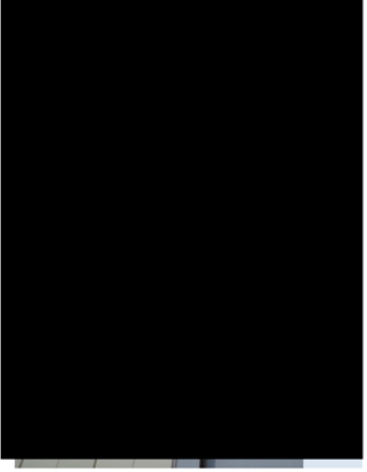
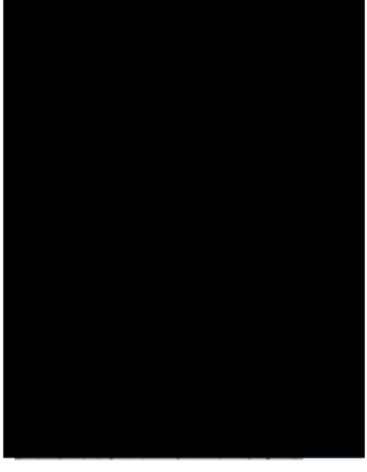
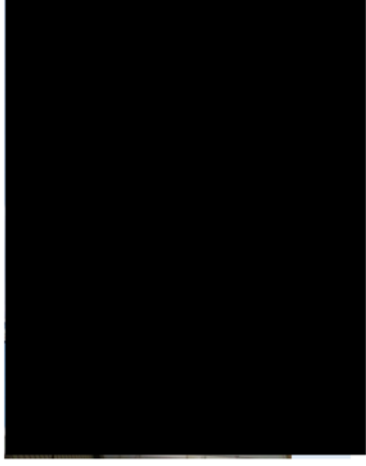
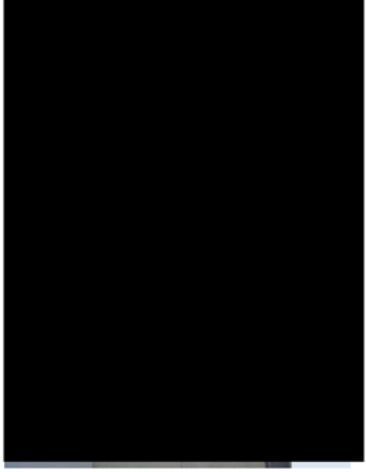
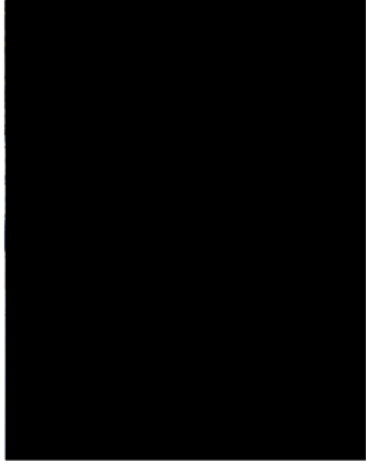
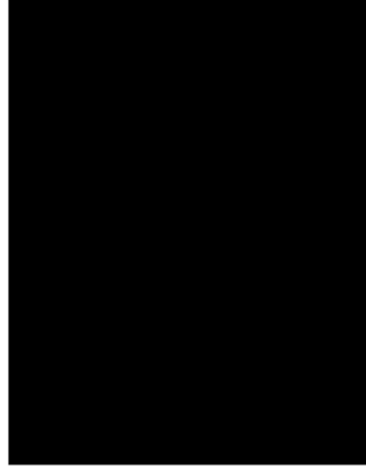
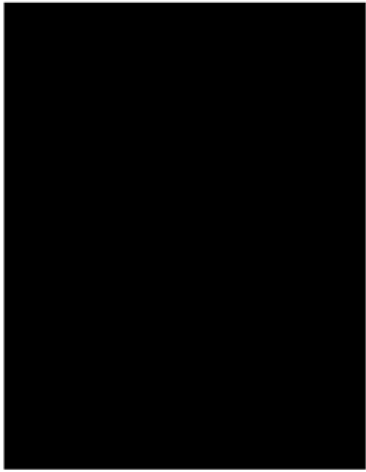
Noise Source ID: TC(2)01-TC(2)02

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	29 Aug 2012	10:00-11:00	[REDACTED]	- Chillers at rooftop - Louvre and fan exhaust at rooftop and facade	Based on site observation, there was noise generated from the louvres at facade, and chillers were located at the rooftop. As no information is available, night-time operation would be assumed as worst case scenario.

[illegible]

Noise Source ID: TP01 – TP06

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	08 Oct 2012	10:00 - 12:00	[REDACTED]	• Cooling towers at rooftop • Water cooled chillers at rooftop • Ventilation fans at rooftop • Paper shredder • Louvre at facade • Goods loading / unloading with forklift and trolley • Paper compactor	As advised by the factory operator, the factory operates in 24 hours, however most works at outdoors are taken during daytime only. Forklift, trolley and hand pallet truck were observed for goods loading and unloading during daytime. As advised by the factory operator, only manned goods loading / unloading to vans would be taken during night time.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]



Noise Source ID: US01 – US05

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	9 Oct 2012	10:00-11:00	[REDACTED]	• Louvre and fan exhaust on façade • Air compressor • Cutter • Goods loading / unloading with forklift	As advised by the factory operator, the factory operates in 24 hours a day. Loading / unloading outside the factory would not be taken during nighttime. Air compressor only operates once or twice a month, and each use would last for a few hours.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

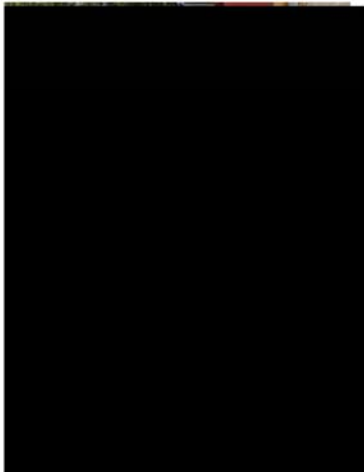
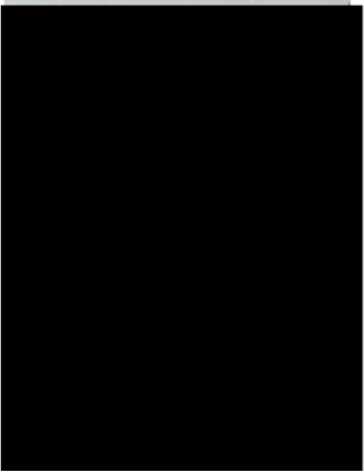
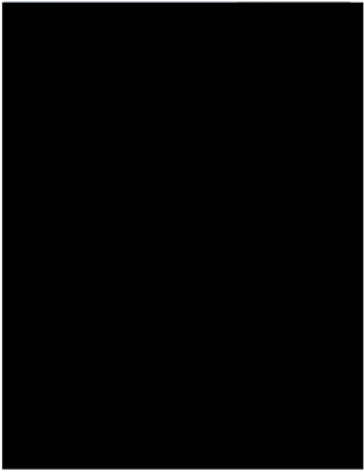
Noise Source ID: VE01 - VE03

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	28 Sep 2012	14:00-15:00		- Punching action of CNC machine - Exhaust at G/F	As advised by the factory operator, the factory operates in daytime. Loading / unloading with forklift were infrequent with approximately once per month.

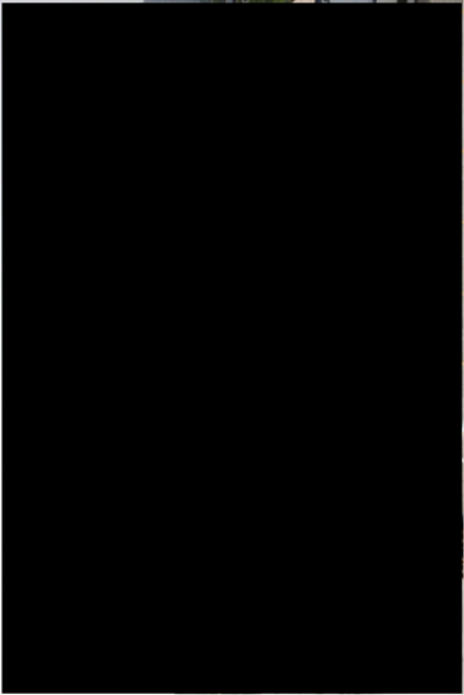
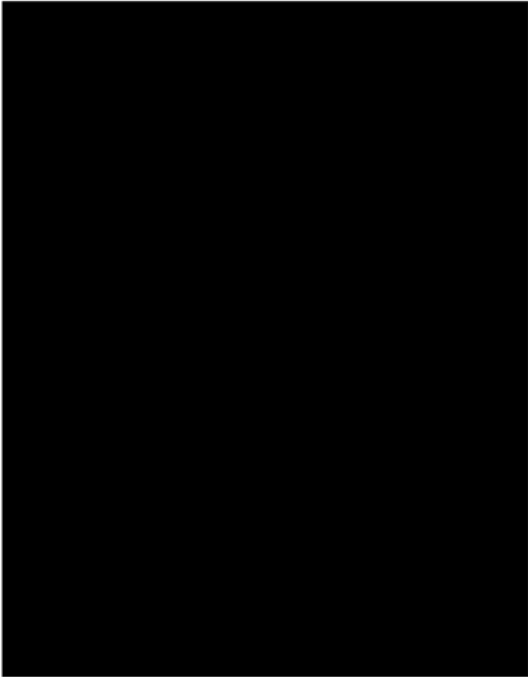
Noise Source ID VM01 – VM08

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	05 Oct 2012	10:00-11:00	[REDACTED]	• Cooling towers at rooftop • Pumps at rooftop • Water-cooled chillers at rooftop • Louvre at rooftop • Waste collection truck	As advised by the employee, the factory operates in daytime only.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID VM11 - VM12



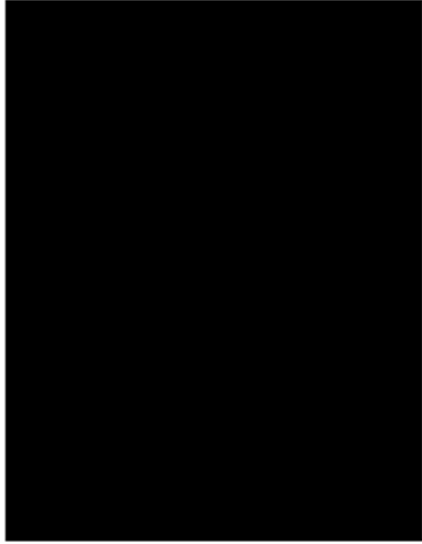
Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
██████████ ██████████ ██████████	29 Aug 2012	10:00-11:00	██████████	• Fan exhaust at rooftop • Fan exhaust at facade	Based on site observation, noise was generated from the louvres at facade and rooftop. As no information is available, night-time operation would be assumed as worst case scenario.



Noise Source ID: XY01 – XY07

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	05 Oct 2012	14:30 - 15:30	[REDACTED]	- Exhaust fans - Goods loading and unloading with forklift - Cooling towers - Condensers	As advised by the factory operator, the factory operates in daytime only and for storage .
[REDACTED]					
[REDACTED]					

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	5 Oct 2012	16:00-17:00		• Ventilation fans in workshop • Shotblasting machine • Goods loading / unloading with forklift	As advised by factory operator, the factory operates in daytime only. Loading / unloading with forklift outside the factory were observed. Sand blasting machine was out of order and not operated during the visit.



Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	9 Oct 2012	12:00-13:00		• Loading / unloading with gantry crane inside workshop • Outdoor fan at ground level • Goods loading / unloading with forklift • Condensers at rooftop	As advised by factory employee, the factory operates in daytime only. Loading / unloading with forklift outside the factory were observed. Photo taking was not allowed inside the site.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	29 Aug 2012	10:00-11:00		- Louvre and exhaust at façade - Diesel engine testing	Based on site observation, significant noise was generated during the testing of diesel engine. As no information is available, night-time operation would be assumed as worst case scenario.

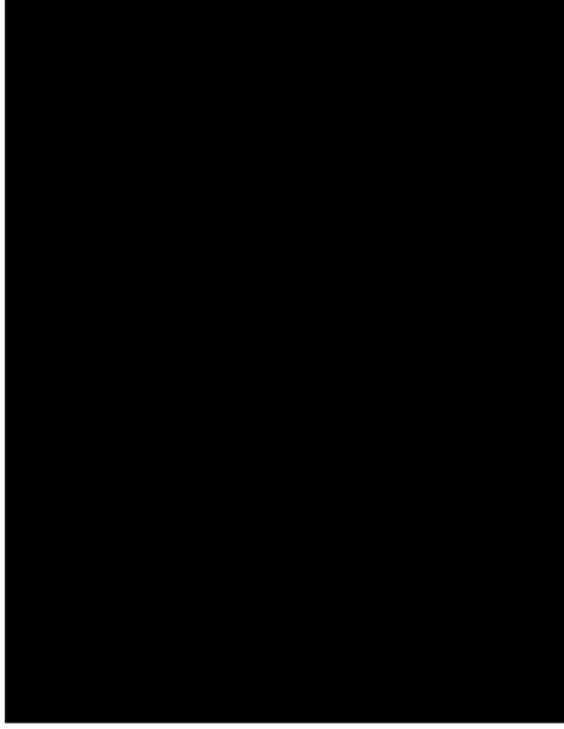
Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
██████████ ██████████ ██████████	28 Sep 2012	16:00-17:00	██████████	• Fan exhaust at G/F and rooftop • Boiler • Rolling machine • Dyeing machine	As advised by the factory operator, the factory operates in daytime only.
██████████	██████████	██████████	██████████	██████████	██████████
██████████	██████████	██████████	██████████	██████████	██████████

[illegible]

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Noise Source ID: -

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
██████████ ██████████	29 Aug 2012	15:00-16:00	██████████	N/A	Based on site observation, there was no building or industrial operation.



Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	29 Aug 2012	10:00-11:00		- Cooling towers and fan exhaust at rooftop - Louvre and fan exhaust at Façade - Blower	Based on site observation, there was noise generated from the louvres on building facade. Several cooling towers were located at the rooftop. As no information is available, night-time operation would be assumed as worst case scenario.

Noise Source ID: SS01

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	29 Aug 2012	10:00-11:00	[REDACTED]	Transformers	Based on site observation, slight tonal noise from the transformers was observed.

Noise Source ID: LP01-LP02

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	29 Aug 2012 02 Sep 2012	10:00-11:00 17:00-18:00		Condenser and cooling towers at rooftop	Based on site observation, condensers and cooling tower were located at the rooftop.

Appendix 2.12.5a

Information obtained from
MTRC

Arup
Level 5 Festival Walk
80 Tat Chee Avenue
Kowloon Tong, Kowloon
Hong Kong

Your ref.: 226464/L030/IL/EL/ew

Our ref.: ENV-COR-ENVM-ENV-100020

22 November 2012

Attn.: [REDACTED]

BY FAX & POST
[REDACTED]

Dear [REDACTED]

Re: Agreement No. CB20120293 Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

I refer to your letter dated 3 October 2012 requesting the information in the vicinity of the abovementioned study. We hereby attached a CD containing soft copies of WRL viaduct drawings between TIS and LOP, and the train speed profile along this section.

For other rail noise related assumptions, such as number of train cars, headway and train noise source term, you are advised to make reference to the latest approved EIA Reports and Environmental Permits for West Rail and Shatin-Central Link.

Please be advised that the provided information is subject to change and will not be prior notified. Furthermore, the provided information cannot be used in other projects without the approval of MTR.

If you need further clarification, please feel free to contact our [REDACTED]
[REDACTED]

Yours faithfully,

[REDACTED]

Encl.

RK/RW/KC/ic

ARUP		Job No. 226464
Master Ref.: E19183		File No.
Project Ref.:		Project Ref.:
By :		Date
Required:		
Received 30 NOV 2012		
[REDACTED]		
[REDACTED]		
[REDACTED]		

[REDACTED]

As discussed. We have no extra noise barrier between LOP and TIS. The current EP is correct.

Thanks & Regards

[REDACTED]
[REDACTED]
[REDACTED]
MTR

Tel: (852) [REDACTED]

Fax: (852) [REDACTED]

E-mail: [REDACTED]

From: [REDACTED]
Sent: Wednesday, January 23, 2013 10:40 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: 226464: Noise mitigation measures between Long Ping Station and Tin Shui Wai Station

Dear [REDACTED]

As per our phone conversation, the information available to date as given in the latest Variation of Environmental Permits (VEP-361/2012) shows that there is a 2m high barrier near Long Ping Station (Current Noise Barrier under EP condition.pdf). We would be grateful if you can provide us the locations, extents and section drawings on the updated mitigation measures other than VEP-361/2012 between Long Ping Station and Tin Shui Wai Station if any. Many thanks.

[REDACTED]
[REDACTED]

Arup
Level 5 Festival Walk 80 Tat Chee Avenue Kowloon Tong Kowloon Hong Kong
t +852 2528 3031 d+852 [REDACTED]
f +852 [REDACTED]
www.arup.com

MTR - caring for life's journeys

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Speed from Long Ping Station to Tin Shui Wai Station

Hour	Min	Sec	Chainage of Down end Cab	Actual Velocity (Down End Cab) kph	Grade information from VCC % -ve means down hill +ve means up hill
8	41	48	U 28256	0.0	0.00
8	41	50	U 28256	0.0	0.00
8	41	49	U 28256	0.0	0.00
8	41	50	U 28256	0.0	0.00
8	41	50	U 28256	0.0	0.00
8	41	51	U 28256	0.0	0.00
8	41	51	U 28256	0.0	0.00
8	41	52	U 28256	0.0	0.00
8	41	52	U 28256	0.0	0.00
8	41	53	U 28256	0.0	0.00
8	41	53	U 28256	0.0	0.00
8	41	53	U 28256	0.0	0.00
8	41	54	U 28256	0.0	0.00
8	41	54	U 28256	0.0	0.00
8	41	55	U 28256	0.0	0.00
8	41	55	U 28256	0.0	0.00
8	41	56	U 28256	0.0	0.00
8	41	56	U 28256	0.0	0.00
8	41	57	U 28256	0.0	0.00
8	41	57	U 28256	0.0	0.00
8	41	58	U 28256	0.0	0.00
8	41	58	U 28256	0.0	0.00
8	41	59	U 28256	0.0	0.00
8	41	59	U 28256	0.0	0.00
8	42	0	U 28256	0.0	0.00
8	42	0	U 28256	0.0	0.00
8	42	0	U 28256	0.0	0.00
8	42	1	U 28256	0.0	0.00
8	42	1	U 28256	0.0	0.00
8	42	2	U 28256	0.0	0.00
8	42	2	U 28256	0.0	0.00
8	42	3	U 28256	0.0	0.00
8	42	3	U 28256	0.0	0.00
8	42	4	U 28256	0.0	0.00
8	42	4	U 28256	0.0	0.00
8	42	5	U 28256	0.0	0.00
8	42	5	U 28256	0.0	0.00
8	42	6	U 28256	0.0	0.00
8	42	6	U 28256	0.0	0.00
8	42	7	U 28256	0.0	0.00
8	42	7	U 28256	0.0	0.00
8	42	7	U 28256	0.0	0.00
8	42	8	U 28256	0.0	0.00
8	42	8	U 28256	0.0	0.00
8	42	9	U 28256	0.0	0.00
8	42	9	U 28256	0.0	0.00
8	42	10	U 28256	0.0	0.00
8	42	10	U 28256	0.0	0.00
8	42	11	U 28256	0.0	0.00
8	42	11	U 28256	0.0	0.00
8	42	13	U 28256	0.0	0.00
8	42	12	U 28256	0.0	0.00
8	42	13	U 28256	0.0	0.00
8	42	13	U 28256	0.0	0.00
8	42	15	U 28256	0.0	0.00
8	42	14	U 28256	0.0	0.00
8	42	14	U 28256	0.0	0.00
8	42	15	U 28256	0.0	0.00
8	42	15	U 28256	0.0	0.00
8	42	16	U 28256	0.0	0.00
8	42	16	U 28256	0.0	0.00
8	42	17	U 28256	0.0	0.00
8	42	17	U 28256	0.0	0.00

Hour	Min	Sec	Chainage of Down end Cab		Actual Velocity (Down End Cab) kph	Grade information from VCC % -ve means down hill +ve means up hill
8	42	18	U	28256	0.0	0.00
8	42	18	U	28256	0.0	0.00
8	42	19	U	28256	0.0	0.00
8	42	19	U	28256	0.0	0.00
8	42	20	U	28256	0.0	0.00
8	42	20	U	28256	0.0	0.00
8	42	22	U	28256	0.0	0.00
8	42	21	U	28256	0.4	0.00
8	42	21	U	28256	1.1	0.00
8	42	22	U	28256	1.8	0.00
8	42	22	U	28257	2.6	0.00
8	42	23	U	28257	4.0	0.00
8	42	23	U	28258	5.5	0.00
8	42	24	U	28259	7.3	0.00
8	42	24	U	28260	8.8	0.00
8	42	25	U	28261	10.3	0.00
8	42	25	U	28262	11.9	0.00
8	42	26	U	28264	13.4	0.00
8	42	26	U	28266	14.9	0.00
8	42	28	U	28268	16.7	0.00
8	42	27	U	28270	18.2	0.00
8	42	28	U	28273	19.8	0.00
8	42	28	U	28276	21.3	0.00
8	42	28	U	28279	22.8	0.00
8	42	29	U	28282	24.4	0.00
8	42	29	U	28285	25.9	0.00
8	42	30	U	28288	27.7	0.00
8	42	30	U	28292	29.0	0.00
8	42	31	U	28296	30.5	0.00
8	42	31	U	28300	32.1	0.00
8	42	33	U	28304	33.6	0.00
8	42	32	U	28309	35.4	0.00
8	42	33	U	28313	36.7	0.00
8	42	33	U	28318	38.2	0.00
8	42	34	U	28323	39.8	0.00
8	42	34	U	28328	41.3	0.00
8	42	35	U	28334	42.8	0.00
8	42	35	U	28340	44.4	0.00
8	42	35	U	28345	45.9	0.00
8	42	36	U	28351	47.5	0.00
8	42	36	U	28358	49.0	0.00
8	42	37	U	28364	50.5	0.00
8	42	37	U	28371	51.8	0.00
8	42	38	U	28377	53.4	0.00
8	42	38	U	28385	54.9	0.00
8	42	39	U	28392	56.5	0.00
8	42	39	U	28399	58.0	0.00
8	42	40	U	28407	59.5	0.00
8	42	40	U	28415	61.1	0.00
8	42	41	U	28423	62.6	0.00
8	42	41	U	28431	63.9	0.00
8	42	42	U	28439	65.3	0.00
8	42	42	U	28448	66.3	0.00
8	42	42	U	28456	67.2	0.00
8	42	43	U	28465	67.9	0.00
8	42	43	U	28474	68.5	0.00
8	42	44	U	28483	68.8	0.00
8	42	44	U	28491	69.0	-0.82
8	42	45	U	28500	69.2	-0.82
8	42	45	U	28509	69.4	-0.82
8	42	46	U	28518	69.4	-0.82
8	42	46	U	28527	69.4	-0.82
8	42	47	U	28536	69.6	-0.82
8	42	47	U	28545	69.6	-0.82

Hour	Min	Sec	Chainage of Down end Cab		Actual Velocity (Down End Cab) kph	Grade information from VCC % -ve means down hill +ve means up hill
8	42	48	U	28554	69.6	-0.82
8	42	48	U	28563	69.9	-0.82
8	42	49	U	28573	69.6	-0.82
8	42	49	U	28582	69.6	-0.82
8	42	49	U	28591	69.6	-0.82
8	42	50	U	28600	70.1	-0.82
8	42	50	U	28609	70.8	-0.82
8	42	51	U	28618	71.8	-0.82
8	42	51	U	28627	72.9	-0.82
8	42	52	U	28637	74.0	-0.82
8	42	52	U	28646	75.1	-0.82
8	42	53	U	28656	76.2	-0.82
8	42	53	U	28666	77.3	-0.82
8	42	54	U	28676	78.2	-0.82
8	42	54	U	28686	79.1	-0.82
8	42	56	U	28697	80.2	-0.82
8	42	55	U	28707	80.9	-0.82
8	42	56	U	28717	81.7	-0.82
8	42	56	U	28728	82.6	-0.82
8	42	56	U	28739	83.3	-0.82
8	42	57	U	28750	84.1	-0.82
8	42	57	U	28761	85.0	-0.82
8	42	58	U	28771	85.7	-0.82
8	42	58	U	28782	86.6	-0.82
8	42	59	U	28794	87.2	-0.82
8	42	59	U	28806	88.1	-0.82
8	43	1	U	28816	88.5	-0.82
8	43	0	U	28828	89.0	-0.82
8	43	1	U	28840	89.2	-0.82
8	43	1	U	28851	89.4	-0.82
8	43	2	U	28863	89.4	-0.82
8	43	2	U	28875	89.4	-0.82
8	43	3	U	28886	89.6	-0.82
8	43	3	U	28897	89.6	0.00
8	43	3	U	28909	89.6	0.00
8	43	4	U	28920	89.6	0.82
8	43	4	U	28932	89.9	0.82
8	43	5	U	28944	89.9	1.84
8	43	5	U	28956	89.9	1.84
8	43	6	U	28966	89.9	1.84
8	43	6	U	28978	89.9	1.84
8	43	7	U	28990	89.6	1.84
8	43	7	U	29001	89.6	1.84
8	43	8	U	29013	89.4	1.84
8	43	8	U	29025	89.4	1.84
8	43	9	U	29037	89.4	1.84
8	43	9	U	29048	89.2	1.84
8	43	11	U	29059	89.0	1.84
8	43	10	U	29070	89.0	1.84
8	43	10	U	29082	89.2	1.84
8	43	11	U	29094	89.4	1.84
8	43	11	U	29106	90.1	1.84
8	43	12	U	29117	90.1	1.84
8	43	12	U	29128	89.6	1.84
8	43	13	U	29140	89.4	1.84
8	43	13	U	29152	89.2	1.84
8	43	14	U	29163	89.0	1.84
8	43	14	U	29175	88.8	1.84
8	43	15	U	29186	88.3	1.84
8	43	15	U	29197	88.1	1.84
8	43	16	U	29208	87.9	1.84
8	43	16	U	29219	87.4	1.84
8	43	17	U	29231	87.2	1.84
8	43	17	U	29242	87.0	1.84

Hour	Min	Sec	Chainage of Down end Cab		Actual Velocity (Down End Cab) kph	Grade information from VCC % -ve means down hill +ve means up hill
8	43	17	U	29253	86.8	1.84
8	43	18	U	29265	86.6	1.84
8	43	18	U	29276	86.1	1.84
8	43	19	U	29287	86.1	1.84
8	43	19	U	29298	85.7	1.84
8	43	20	U	29309	85.5	1.84
8	43	20	U	29320	85.3	1.84
8	43	21	U	29331	85.0	1.84
8	43	21	U	29342	84.6	1.84
8	43	22	U	29353	84.4	1.84
8	43	22	U	29363	84.1	1.84
8	43	24	U	29374	83.7	0.82
8	43	23	U	29385	83.5	0.82
8	43	24	U	29395	83.3	0.00
8	43	24	U	29406	83.0	0.00
8	43	24	U	29417	82.8	-0.82
8	43	25	U	29428	82.6	-0.82
8	43	25	U	29438	82.6	-0.82
8	43	26	U	29449	82.4	-0.82
8	43	26	U	29459	82.2	-0.82
8	43	27	U	29470	82.2	-0.82
8	43	27	U	29481	82.0	-0.82
8	43	29	U	29491	81.7	-0.82
8	43	28	U	29501	81.5	-0.82
8	43	29	U	29512	81.5	-0.82
8	43	29	U	29522	81.5	-0.82
8	43	30	U	29533	81.3	-0.82
8	43	30	U	29544	81.3	-0.82
8	43	31	U	29554	81.3	-0.82
8	43	31	U	29565	81.3	-0.82
8	43	31	U	29576	81.3	-0.82
8	43	32	U	29586	81.3	-0.82
8	43	32	U	29596	81.1	-0.82
8	43	33	U	29607	81.1	-0.82
8	43	33	U	29618	81.1	-0.82
8	43	34	U	29628	81.1	-0.82
8	43	34	U	29638	81.1	-0.82
8	43	35	U	29649	81.1	0.00
8	43	35	U	29659	81.1	0.00
8	43	36	U	29669	81.1	0.00
8	43	36	U	29680	81.1	0.82
8	43	37	U	29690	80.9	0.82
8	43	37	U	29700	81.1	0.82
8	43	39	U	29711	81.1	0.82
8	43	38	U	29721	81.1	0.82
8	43	38	U	29731	81.5	0.82
8	43	39	U	29743	82.0	0.82
8	43	39	U	29753	82.8	0.82
8	43	40	U	29763	83.3	0.82
8	43	40	U	29774	84.1	0.82
8	43	41	U	29785	85.0	0.82
8	43	41	U	29797	85.3	0.82
8	43	42	U	29808	85.5	0.82
8	43	42	U	29819	85.3	0.82
8	43	43	U	29830	85.3	0.82
8	43	43	U	29840	85.3	0.82
8	43	44	U	29851	85.3	0.82
8	43	44	U	29862	85.3	0.82
8	43	46	U	29873	85.0	0.00
8	43	45	U	29884	84.8	0.00
8	43	45	U	29895	84.8	0.00
8	43	46	U	29906	84.4	-0.82
8	43	46	U	29917	83.5	-0.82
8	43	47	U	29928	82.2	-0.82

Hour	Min	Sec	Chainage of Down end Cab		Actual Velocity (Down End Cab) kph	Grade information from VCC % -ve means down hill +ve means up hill
8	43	47	U	29938	80.4	-0.82
8	43	48	U	29948	78.4	-0.82
8	43	48	U	29958	76.7	-0.82
8	43	49	U	29968	75.4	-0.82
8	43	49	U	29978	74.3	-0.82
8	43	50	U	29987	72.9	-0.82
8	43	50	U	29996	72.1	-0.82
8	43	52	U	30005	71.2	-0.82
8	43	51	U	30015	70.8	-0.82
8	43	52	U	30024	70.3	-0.82
8	43	52	U	30033	70.3	-0.82
8	43	52	U	30042	70.3	-0.82
8	43	53	U	30051	70.3	-0.82
8	43	53	U	30060	70.1	-0.82
8	43	54	U	30069	69.9	-0.82
8	43	54	U	30078	69.2	-0.82
8	43	55	U	30087	68.1	-0.82
8	43	55	U	30096	67.0	-0.82
8	43	57	U	30104	66.1	-0.82
8	43	56	U	30112	65.9	-0.82
8	43	57	U	30120	65.7	-0.82
8	43	57	U	30129	65.7	-0.82
8	43	58	U	30137	65.7	-0.82
8	43	58	U	30146	65.9	-0.82
8	43	59	U	30155	66.6	0.00
8	43	59	U	30163	67.5	0.00
8	43	59	U	30171	68.5	0.00
8	44	0	U	30180	69.6	0.00
8	44	0	U	30190	70.3	0.00
8	44	1	U	30199	70.5	0.00
8	44	1	U	30208	70.5	0.00
8	44	2	U	30217	70.5	0.00
8	44	2	U	30227	70.3	0.00
8	44	3	U	30236	70.3	0.00
8	44	3	U	30245	70.3	0.00
8	44	4	U	30254	70.5	0.00
8	44	4	U	30262	70.3	0.00
8	44	5	U	30271	70.1	0.00
8	44	5	U	30280	70.1	0.00
8	44	6	U	30289	69.9	0.00
8	44	6	U	30298	70.1	0.00
8	44	6	U	30308	69.9	0.00
8	44	7	U	30316	69.6	0.00
8	44	7	U	30325	69.6	0.00
8	44	8	U	30334	69.4	0.00
8	44	8	U	30342	68.8	0.00
8	44	9	U	30351	67.2	0.00
8	44	9	U	30360	66.1	0.00
8	44	10	U	30369	64.6	0.00
8	44	10	U	30377	63.5	0.00
8	44	11	U	30385	62.6	0.00
8	44	11	U	30392	61.7	0.00
8	44	12	U	30400	60.9	0.00
8	44	12	U	30408	59.8	0.00
8	44	13	U	30415	58.7	0.00
8	44	13	U	30423	57.3	0.00
8	44	13	U	30430	56.5	0.00
8	44	14	U	30437	54.9	0.00
8	44	14	U	30449	53.8	0.00
8	44	15	U	30455	52.5	0.00
8	44	15	U	30462	51.4	0.00
8	44	16	U	30469	50.1	0.00
8	44	16	U	30475	49.0	0.00
8	44	17	U	30482	47.7	0.00

Hour	Min	Sec	Chainage of Down end Cab		Actual Velocity (Down End Cab) kph	Grade information from VCC % -ve means down hill +ve means up hill
8	44	17	U	30488	46.1	0.00
8	44	18	U	30493	44.6	0.00
8	44	18	U	30499	43.1	0.00
8	44	19	U	30504	41.7	0.00
8	44	19	U	30509	40.4	0.00
8	44	20	U	30515	39.3	0.00
8	44	20	U	30520	38.0	0.00
8	44	20	U	30525	36.7	0.00
8	44	21	U	30529	35.6	0.00
8	44	21	U	30534	34.0	0.00
8	44	22	U	30538	33.0	0.00
8	44	22	U	30542	31.6	0.00
8	44	23	U	30546	30.1	0.00
8	44	23	U	30550	28.8	0.00
8	44	25	U	30553	27.5	0.00
8	44	24	U	30557	26.1	0.00
8	44	25	U	30560	24.8	0.00
8	44	25	U	30563	23.5	0.00
8	44	26	U	30566	22.2	0.00
8	44	26	U	30569	20.9	0.00
8	44	27	U	30571	19.5	0.00
8	44	27	U	30574	18.0	0.00
8	44	27	U	30576	16.9	0.00
8	44	28	U	30578	15.4	0.00
8	44	28	U	30580	14.3	0.00
8	44	29	U	30582	13.0	0.00
8	44	29	U	30583	11.6	0.00
8	44	30	U	30584	10.3	0.00
8	44	30	U	30586	9.2	0.00
8	44	31	U	30587	7.7	0.00
8	44	31	U	30588	6.6	0.00
8	44	32	U	30588	5.0	0.00
8	44	32	U	30589	3.7	0.00
8	44	33	U	30589	2.6	0.00
8	44	33	U	30590	1.8	0.00
8	44	35	U	30590	0.9	0.00
8	44	34	U	30590	0.2	0.00
8	44	34	U	30590	0.0	0.00
8	44	35	U	30590	0.0	0.00
8	44	35	U	30590	0.0	0.00
8	44	36	U	30590	0.0	0.00
8	44	36	U	30590	0.0	0.00
8	44	37	U	30590	0.0	0.00
8	44	37	U	30590	0.0	0.00
8	44	38	U	30590	0.0	0.00
8	44	38	U	30590	0.0	0.00

TIS1

Speed from Tin Shui Wai Station to Long Ping Station

Hour	Min	Sec	Chainage of Down end Cab	Actual Velocity (Down End Cab) kph	Grade information from VCC % -ve means down hill +ve means up hill
7	44	8	D 30558	0.0	0.00
7	44	8	D 30558	0.0	0.00
7	44	9	D 30558	0.0	0.00
7	44	10	D 30558	0.0	0.00
7	44	10	D 30558	0.0	0.00
7	44	11	D 30558	0.0	0.00
7	44	11	D 30558	0.0	0.00
7	44	11	D 30558	0.0	0.00
7	44	13	D 30558	0.0	0.00
7	44	12	D 30558	0.0	0.00
7	44	14	D 30558	0.0	0.00
7	44	13	D 30558	0.0	0.00
7	44	14	D 30558	0.0	0.00
7	44	14	D 30558	0.0	0.00
7	44	16	D 30558	0.0	0.00
7	44	15	D 30558	0.0	0.00
7	44	16	D 30558	0.0	0.00
7	44	16	D 30558	0.0	0.00
7	44	16	D 30558	0.0	0.00
7	44	17	D 30558	0.0	0.00
7	44	18	D 30558	0.0	0.00
7	44	18	D 30558	0.0	0.00
7	44	18	D 30558	0.0	0.00
7	44	19	D 30558	0.0	0.00
7	44	19	D 30558	0.0	0.00
7	44	21	D 30558	0.0	0.00
7	44	20	D 30558	0.0	0.00
7	44	22	D 30558	0.0	0.00
7	44	21	D 30558	0.0	0.00
7	44	23	D 30558	0.0	0.00
7	44	22	D 30558	0.0	0.00
7	44	23	D 30558	0.0	0.00
7	44	23	D 30558	0.0	0.00
7	44	23	D 30558	0.0	0.00
7	44	24	D 30558	0.0	0.00
7	44	24	D 30558	0.0	0.00
7	44	26	D 30558	0.0	0.00
7	44	25	D 30558	0.0	0.00
7	44	26	D 30558	0.0	0.00
7	44	26	D 30558	0.0	0.00
7	44	27	D 30558	0.0	0.00
7	44	27	D 30558	0.0	0.00
7	44	29	D 30558	0.0	0.00
7	44	28	D 30558	0.0	0.00
7	44	29	D 30558	0.0	0.00
7	44	29	D 30558	0.0	0.00
7	44	30	D 30558	0.0	0.00
7	44	30	D 30558	0.0	0.00
7	44	31	D 30558	0.0	0.00
7	44	31	D 30558	0.0	0.00
7	44	31	D 30558	0.0	0.00
7	44	32	D 30558	0.0	0.00
7	44	32	D 30558	0.0	0.00
7	44	34	D 30558	0.0	0.00
7	44	33	D 30558	0.0	0.00
7	44	34	D 30558	0.0	0.00
7	44	34	D 30558	0.0	0.00
7	44	36	D 30558	0.0	0.00
7	44	35	D 30558	0.0	0.00
7	44	37	D 30558	0.0	0.00
7	44	36	D 30558	0.0	0.00
7	44	36	D 30558	0.0	0.00
7	44	37	D 30558	0.0	0.00
7	44	38	D 30558	0.0	0.00
7	44	38	D 30558	0.0	0.00
7	44	39	D 30558	0.0	0.00

Speed from Tin Shui Wai Station to Long Ping Station

Hour	Min	Sec	Chainage of Down end Cab		Actual Velocity (Down End Cab) kph	Grade information from VCC % -ve means down hill +ve means up hill
7	44	39	D	30558	0.0	0.00
7	44	39	D	30558	0.0	0.00
7	44	41	D	30558	0.0	0.00
7	44	40	D	30558	0.0	0.00
7	44	42	D	30558	0.0	0.00
7	44	41	D	30558	0.0	0.00
7	44	42	D	30558	0.0	0.00
7	44	42	D	30558	0.0	0.00
7	44	44	D	30558	0.0	0.00
7	44	43	D	30558	0.0	0.00
7	44	44	D	30558	0.0	0.00
7	44	44	D	30558	0.0	0.00
7	44	44	D	30558	0.0	0.00
7	44	45	D	30558	0.0	0.00
7	44	46	D	30558	0.0	0.00
7	44	46	D	30558	0.0	0.00
7	44	46	D	30558	0.0	0.00
7	44	47	D	30558	0.0	0.00
7	44	47	D	30558	0.0	0.00
7	44	49	D	30558	0.0	0.00
7	44	48	D	30558	0.0	0.00
7	44	50	D	30558	0.0	0.00
7	44	49	D	30558	0.0	0.00
7	44	51	D	30558	0.0	0.00
7	44	50	D	30558	0.0	0.00
7	44	51	D	30558	0.0	0.00
7	44	51	D	30558	0.0	0.00
7	44	51	D	30558	0.0	0.00
7	44	52	D	30558	0.0	0.00
7	44	53	D	30558	0.0	0.00
7	44	53	D	30558	0.0	0.00
7	44	53	D	30558	0.0	0.00
7	44	54	D	30558	0.0	0.00
7	44	54	D	30558	0.0	0.00
7	44	56	D	30558	0.0	0.00
7	44	55	D	30558	0.0	0.00
7	44	57	D	30558	0.4	0.00
7	44	56	D	30558	1.1	0.00
7	44	58	D	30558	1.8	0.00
7	44	57	D	30558	2.8	0.00
7	44	58	D	30557	4.0	0.00
7	44	58	D	30557	5.7	0.00
7	44	59	D	30556	7.3	0.00
7	44	59	D	30555	8.8	0.00
7	44	59	D	30554	10.3	0.00
7	45	0	D	30552	12.1	0.00
7	45	0	D	30550	13.6	0.00
7	45	1	D	30548	14.9	0.00
7	45	1	D	30546	16.5	0.00
7	45	2	D	30544	18.0	0.00
7	45	2	D	30542	19.5	0.00
7	45	4	D	30539	21.3	0.00
7	45	3	D	30536	22.6	0.00
7	45	5	D	30533	24.4	0.00
7	45	4	D	30530	25.9	0.00
7	45	5	D	30526	27.5	0.00
7	45	5	D	30523	29.0	0.00
7	45	6	D	30519	30.5	0.00
7	45	6	D	30515	32.1	0.00
7	45	6	D	30510	33.6	0.00
7	45	7	D	30506	35.2	0.00
7	45	7	D	30501	36.7	0.00
7	45	9	D	30496	38.2	0.00
7	45	8	D	30491	39.8	0.00
7	45	9	D	30486	41.1	0.00
7	45	9	D	30480	42.6	0.00

Speed from Tin Shui Wai Station to Long Ping Station

Hour	Min	Sec	Chainage of Down end Cab	Actual Velocity (Down End Cab) kph	Grade information from VCC % -ve means down hill +ve means up hill
7	45	10	D 30475	44.2	0.00
7	45	10	D 30470	45.5	0.00
7	45	12	D 30464	47.2	0.00
7	45	11	D 30458	48.5	0.00
7	45	11	D 30451	50.1	0.00
7	45	12	D 30436	51.6	0.00
7	45	13	D 30430	53.2	0.00
7	45	13	D 30423	54.7	0.00
7	45	13	D 30415	56.0	0.00
7	45	14	D 30408	57.3	0.00
7	45	14	D 30400	58.9	0.00
7	45	15	D 30392	60.2	0.00
7	45	15	D 30384	61.5	0.00
7	45	16	D 30376	62.8	0.82
7	45	16	D 30368	63.9	0.82
7	45	18	D 30359	65.3	0.82
7	45	17	D 30350	66.3	0.82
7	45	19	D 30341	67.2	0.82
7	45	18	D 30332	68.1	0.82
7	45	19	D 30324	68.8	0.82
7	45	19	D 30315	69.0	0.82
7	45	20	D 30306	69.2	0.82
7	45	20	D 30297	69.2	0.82
7	45	20	D 30288	69.2	0.82
7	45	21	D 30279	69.2	0.82
7	45	21	D 30270	69.9	0.82
7	45	23	D 30261	70.8	0.82
7	45	22	D 30252	71.6	0.82
7	45	24	D 30242	72.5	0.82
7	45	23	D 30234	73.4	0.82
7	45	25	D 30224	74.3	0.82
7	45	24	D 30214	75.1	0.82
7	45	26	D 30204	75.8	0.82
7	45	25	D 30194	76.7	0.82
7	45	26	D 30184	77.3	0.82
7	45	26	D 30174	78.0	0.82
7	45	27	D 30165	78.9	0.82
7	45	27	D 30154	79.5	0.82
7	45	27	D 30144	80.2	0.82
7	45	29	D 30134	80.9	0.82
7	45	28	D 30123	81.5	0.82
7	45	29	D 30112	82.2	0.82
7	45	29	D 30101	82.8	0.82
7	45	30	D 30090	83.5	0.82
7	45	30	D 30080	83.9	0.82
7	45	32	D 30069	84.6	0.82
7	45	31	D 30058	85.0	0.00
7	45	33	D 30047	85.9	0.00
7	45	32	D 30036	86.6	0.00
7	45	33	D 30025	87.0	-0.82
7	45	33	D 30013	87.4	-0.82
7	45	34	D 30002	88.3	-0.82
7	45	34	D 29990	88.8	-0.82
7	45	34	D 29980	89.2	-0.82
7	45	35	D 29968	89.9	-0.82
7	45	35	D 29956	90.5	-0.82
7	45	36	D 29944	91.0	-0.82
7	45	36	D 29933	91.6	-0.82
7	45	37	D 29921	92.1	-0.82
7	45	37	D 29909	92.7	-0.82
7	45	39	D 29897	93.4	-0.82
7	45	38	D 29884	93.8	0.00
7	45	40	D 29872	94.5	0.00
7	45	39	D 29860	94.9	0.00
7	45	39	D 29848	95.6	0.82
7	45	40	D 29835	96.0	0.82

Speed from Tin Shui Wai Station to Long Ping Station

Hour	Min	Sec	Chainage of Down end Cab	Actual Velocity (Down End Cab) kph	Grade information from VCC % -ve means down hill +ve means up hill
7	45	41	D 29823	96.7	0.82
7	45	41	D 29810	97.1	0.82
7	45	42	D 29797	97.5	0.82
7	45	42	D 29785	98.2	0.82
7	45	42	D 29772	98.7	0.82
7	45	43	D 29760	98.9	0.82
7	45	43	D 29747	99.3	0.82
7	45	44	D 29734	99.3	0.82
7	45	44	D 29721	99.5	0.82
7	45	45	D 29708	99.5	0.82
7	45	45	D 29695	99.5	0.82
7	45	47	D 29682	99.8	0.82
7	45	46	D 29669	99.8	0.82
7	45	47	D 29656	99.8	0.82
7	45	47	D 29643	99.8	0.82
7	45	47	D 29630	99.5	0.82
7	45	48	D 29618	99.5	0.82
7	45	49	D 29606	99.5	0.82
7	45	49	D 29593	99.5	0.82
7	45	49	D 29579	99.8	0.82
7	45	50	D 29566	99.5	0.00
7	45	50	D 29554	99.8	-0.82
7	45	52	D 29541	99.5	-0.82
7	45	51	D 29529	99.5	-1.84
7	45	52	D 29516	99.3	-1.84
7	45	52	D 29503	99.1	-1.84
7	45	54	D 29490	98.4	-1.84
7	45	53	D 29478	97.3	-1.84
7	45	54	D 29465	96.0	-1.84
7	45	54	D 29452	94.7	-1.84
7	45	54	D 29440	94.0	-1.84
7	45	55	D 29428	93.4	-1.84
7	45	55	D 29416	93.4	-1.84
7	45	56	D 29404	93.4	-1.84
7	45	57	D 29392	93.6	-1.84
7	45	57	D 29380	93.6	-1.84
7	45	57	D 29368	93.2	-1.84
7	45	58	D 29357	92.5	-1.84
7	45	58	D 29345	91.8	-1.84
7	46	0	D 29333	91.0	-1.84
7	45	59	D 29321	91.0	-1.84
7	46	1	D 29309	91.4	-1.84
7	46	0	D 29298	92.1	-1.84
7	46	1	D 29286	92.7	-1.84
7	46	1	D 29273	93.4	-1.84
7	46	2	D 29262	94.3	-1.84
7	46	2	D 29250	94.7	-1.84
7	46	2	D 29238	94.9	-1.84
7	46	3	D 29225	95.1	-1.84
7	46	3	D 29213	95.4	-1.84
7	46	4	D 29201	95.1	-1.84
7	46	4	D 29188	95.4	-1.84
7	46	6	D 29175	95.6	-1.84
7	46	5	D 29163	95.8	-1.84
7	46	6	D 29151	96.0	-0.82
7	46	6	D 29138	96.0	-0.82
7	46	8	D 29126	95.8	-0.82
7	46	7	D 29114	95.8	0.00
7	46	8	D 29101	95.4	0.82
7	46	8	D 29090	94.9	0.82
7	46	9	D 29078	94.5	0.82
7	46	9	D 29065	94.3	0.82
7	46	10	D 29053	93.8	0.82
7	46	10	D 29041	92.9	0.82
7	46	10	D 29029	92.1	0.82
7	46	11	D 29017	91.0	0.82

Speed from Tin Shui Wai Station to Long Ping Station

Hour	Min	Sec		Chainage of Down end Cab	Actual Velocity (Down End Cab) kph	Grade information from VCC % -ve means down hill +ve means up hill
7	46	11	D	29005	89.6	0.82
7	46	12	D	28994	88.8	0.82
7	46	12	D	28983	87.4	0.82
7	46	14	D	28972	86.6	0.82
7	46	13	D	28961	85.5	0.82
7	46	15	D	28950	84.4	0.82
7	46	14	D	28939	83.5	0.82
7	46	15	D	28929	82.2	0.82
7	46	15	D	28918	80.9	0.82
7	46	16	D	28908	79.8	0.82
7	46	16	D	28898	78.4	0.82
7	46	16	D	28887	77.3	0.82
7	46	17	D	28877	75.8	0.82
7	46	18	D	28867	74.7	0.82
7	46	18	D	28858	73.4	0.82
7	46	18	D	28849	72.1	0.82
7	46	19	D	28839	71.2	0.82
7	46	19	D	28830	70.5	0.82
7	46	21	D	28821	70.3	0.82
7	46	20	D	28812	70.1	0.82
7	46	22	D	28803	70.1	0.82
7	46	21	D	28794	69.9	0.82
7	46	22	D	28785	69.6	0.82
7	46	22	D	28776	69.4	0.82
7	46	23	D	28767	69.4	0.82
7	46	23	D	28758	69.2	0.82
7	46	24	D	28749	69.0	0.82
7	46	24	D	28741	69.0	0.82
7	46	24	D	28732	68.5	0.82
7	46	26	D	28723	68.5	0.82
7	46	25	D	28714	68.5	0.82
7	46	26	D	28705	68.3	0.82
7	46	26	D	28696	68.1	0.82
7	46	27	D	28687	68.1	0.82
7	46	27	D	28678	67.9	0.82
7	46	29	D	28670	67.7	0.82
7	46	28	D	28662	67.7	0.82
7	46	29	D	28653	67.5	0.82
7	46	29	D	28644	67.2	0.82
7	46	30	D	28635	67.0	0.82
7	46	30	D	28626	67.0	0.00
7	46	31	D	28618	66.8	0.00
7	46	31	D	28610	66.8	0.00
7	46	31	D	28601	66.6	0.00
7	46	32	D	28592	66.3	0.00
7	46	32	D	28584	66.3	0.00
7	46	34	D	28575	66.3	0.00
7	46	33	D	28566	66.1	0.00
7	46	34	D	28558	66.3	0.00
7	46	34	D	28549	66.1	0.00
7	46	36	D	28540	65.9	0.00
7	46	35	D	28532	65.9	0.00
7	46	36	D	28524	65.7	0.00
7	46	36	D	28516	65.7	0.00
7	46	36	D	28507	65.7	0.00
7	46	37	D	28499	65.7	0.00
7	46	37	D	28491	65.5	0.00
7	46	38	D	28482	65.5	0.00
7	46	38	D	28474	65.5	0.00
7	46	39	D	28465	65.3	0.00
7	46	39	D	28457	65.3	0.00
7	46	41	D	28449	65.0	0.00
7	46	40	D	28440	65.3	0.00
7	46	42	D	28431	65.0	0.00
7	46	41	D	28423	64.6	0.00
7	46	42	D	28415	63.7	0.00

Speed from Tin Shui Wai Station to Long Ping Station

Hour	Min	Sec	Chainage of Down end Cab	Actual Velocity (Down End Cab) kph	Grade information from VCC % -ve means down hill +ve means up hill
7	46	42	D 28407	62.6	0.00
7	46	43	D 28399	61.3	0.00
7	46	43	D 28391	60.0	0.00
7	46	44	D 28383	58.9	0.00
7	46	44	D 28376	58.0	0.00
7	46	44	D 28368	57.1	0.00
7	46	45	D 28361	55.8	0.00
7	46	45	D 28354	54.7	0.00
7	46	46	D 28347	53.6	0.00
7	46	46	D 28340	52.5	0.00
7	46	47	D 28334	51.2	0.00
7	46	47	D 28327	50.1	0.00
7	46	49	D 28321	48.8	0.00
7	46	48	D 28314	47.5	0.00
7	46	50	D 28309	45.9	0.00
7	46	49	D 28303	44.6	0.00
7	46	49	D 28297	43.3	0.00
7	46	50	D 28292	42.2	0.00
7	46	51	D 28286	40.6	0.00
7	46	51	D 28281	39.5	0.00
7	46	51	D 28276	38.2	0.00
7	46	52	D 28271	36.7	0.00
7	46	52	D 28267	35.4	0.00
7	46	54	D 28262	34.0	0.00
7	46	53	D 28258	32.7	0.00
7	46	54	D 28254	31.4	0.00
7	46	54	D 28250	30.1	0.00
7	46	55	D 28246	29.0	0.00
7	46	55	D 28243	27.5	0.00
7	46	57	D 28239	26.1	0.00
7	46	56	D 28236	24.8	0.00
7	46	56	D 28233	23.5	0.00
7	46	57	D 28230	22.2	0.00
7	46	57	D 28227	20.9	0.00
7	46	58	D 28225	19.5	0.00
7	46	59	D 28222	18.2	0.00
7	46	59	D 28220	16.9	0.00
7	46	59	D 28218	15.6	0.00
7	47	0	D 28216	14.3	0.00
7	47	0	D 28214	13.2	0.00
7	47	2	D 28213	11.6	0.00
7	47	1	D 28212	10.3	0.00
7	47	2	D 28210	9.2	0.00
7	47	2	D 28209	7.9	0.00
7	47	4	D 28208	6.6	0.00
7	47	3	D 28208	5.3	0.00
7	47	4	D 28207	4.2	0.00
7	47	4	D 28207	2.8	0.00
7	47	4	D 28206	2.2	0.00
7	47	5	D 28206	1.3	0.00
7	47	5	D 28206	0.2	0.00
7	47	6	D 28206	0.0	0.00
7	47	7	D 28206	0.0	0.00
7	47	7	D 28206	0.0	0.00
7	47	7	D 28206	0.0	0.00
7	47	9	D 28206	0.0	0.00
7	47	8	D 28206	0.0	0.00

Appendix 2.12.6

Major industrial noise source
identified at the northern and
central parts of the Project site

ID	Description	Activities/Equipment*	Activities ID	Operation Period*		Remark
				Daytime	Nighttime	
WC-01		Forklifting, loading & unloading	W001	Y	N	No operation during site inspections.
			W002	Y	N	No operation during site inspections.
			W003	Y	N	No operation during site inspections.
			W004	Y	N	No operation during site inspections.
WC-02		Forklifting, loading & unloading	W005	Y	N	No operation during site inspections.
			W006	Y	N	No operation during site inspections.
WC-03		Hammering	W007	Y	N	No operation during site inspections.
			W008	Y	N	No operation during site inspections.
			W009	Y	N	No operation during site inspections.
			W010	Y	N	No operation during site inspections.
WC-04		Air gun (pressurized hoist)	W011	Y	N	Activity was happened in few seconds only and could not be measured.
			W012	Y	N	No operation during site inspections.
			W013	N/A	N/A	No operation during site inspections.
			W014	N/A	N/A	No operation during site inspections.
WC-05		Exhaust Fan (facing to NE)	W015	Y	Y	No operation during site inspections.
			W016	Y	Y	No operation during site inspections.
			W017	Y	Y	No operation during site inspections.
			W018	Y	Y	No operation during site inspections.
WC-06		Sets of Chilling Container	W019	Y	N	No operation during site inspections.
			W020	Y	N	No operation during site inspections.
			W021	Y	N	No operation during site inspections.
			W022	Y	N	No operation during site inspections.
WC-07		Air gun (pressurized hoist)	W023	N/A	N/A	No operation during site inspections.
			W024	Y	N	No operation during site inspections.
			W025	Y	N	No operation during site inspections.
			W026	Y	N	No operation during site inspections.
WC-08		Container Crane	W027	N/A	N/A	No operation during site inspections.
			W028	Y	Y	No operation during site inspections.
			W029	Y	Y	No operation during site inspections.
			W030	Y	N	No operation during site inspections.
WC-09		Exhaust Fan (facing to NE)	W031	Y	N	Noisy activity was observed, measurement was not carried out due to safety reason.
			W032	Y	N	No operation during site inspections.
			W033	Y	N	No operation during site inspections.
			W034	Y	N	No operation during site inspections.
WC-10		Exhaust Fan (facing to NE)	W035	Y	N	No operation during site inspections.
			W036	Y	N	No operation during site inspections.
			W037	Y	N	No operation during site inspections.
			W038	Y	N	No operation during site inspections.
WC-11		Sets of Chilling Container	W039	Y	N	No operation during site inspections.
			W040	Y	N	No operation during site inspections.
			W041	Y	N	No operation during site inspections.
			W042	N/A	N/A	No operation during site inspections.
WC-12		Container Crane	W043	Y	N	No operation during site inspections.
			W044	Y	N	No operation during site inspections.
			W045	Y	N	No operation during site inspections.
			W046	Y	N	No operation during site inspections.
WC-13		Sets of Chilling Container	W047	Y	Y	No operation during site inspections.
			W048	Y	Y	No operation during site inspections.
			W049	Y	N	No operation during site inspections.
			W050	N/A	N/A	No operation during site inspections.
WC-14		Water pump	W051	N/A	N/A	No operation during site inspections.
			W052	N/A	N/A	No operation during site inspections.
			W053	Y	N	No operation during site inspections.
			W054	Y	N	No operation during site inspections.
WC-15		Overhead crane	W055	N/A	N/A	No operation during site inspections.
			W056	N/A	N/A	No operation during site inspections.
			W057	Y	N	No operation during site inspections.
			W058	Y	N	No operation during site inspections.
WC-16		PAVE beeing	W059	N/A	N/A	No operation during site inspections.
			W060	N/A	N/A	No operation during site inspections.
			W061	Y	N	No operation during site inspections.
			W062	Y	N	No operation during site inspections.
WC-17		Assembling wheel with pneumatic screw	W063	Y	N	No operation during site inspections.
			W064	Y	N	No operation during site inspections.
			W065	Y	N	No operation during site inspections.
			W066	Y	N	No operation during site inspections.
WC-18		Assembling wheel with pneumatic screw	W067	Y	N	No operation during site inspections.
			W068	Y	N	No operation during site inspections.
			W069	Y	N	No operation during site inspections.
			W070	-	-	No operation during site inspections.
WC-19		Air gun (pressurized hoist)	W071	Y	N	No operation during site inspections.
			W072	Y	N	No operation during site inspections.
			W073	Y	N	No operation during site inspections.
			W074	Y	N	No operation during site inspections.
WC-20		Container Crane	W075	Y	N	No operation during site inspections.
			W076	Y	N	No operation during site inspections.
			W077	Y	N	No operation during site inspections.
			W078	Y	N	No operation during site inspections.
WC-21		Sets of Chilling Container	W079	Y	N	No operation during site inspections.
			W080	Y	N	No operation during site inspections.
			W081	Y	N	No operation during site inspections.
			W082	Y	N	No operation during site inspections.
WC-22		Water pump	W083	Y	N	No operation during site inspections.
			W084	Y	N	No operation during site inspections.
			W085	Y	N	No operation during site inspections.
			W086	Y	N	No operation during site inspections.
WC-23		Overhead crane	W087	Y	N	No operation during site inspections.
			W088	Y	N	No operation during site inspections.
			W089	Y	N	No operation during site inspections.
			W090	Y	N	No operation during site inspections.
WC-24		PAVE beeing	W091	Y	N	No operation during site inspections.
			W092	Y	N	No operation during site inspections.
			W093	Y	N	No operation during site inspections.
			W094	Y	N	No operation during site inspections.
WC-25		Air gun (pressurized hoist)	W095	N/A	N/A	No operation during site inspections.
			W096	N/A	N/A	No operation during site inspections.
			W097	N/A	N/A	No operation during site inspections.
			W098	N/A	N/A	No operation during site inspections.
WC-26		Gas welding (氩弧焊)	W099	N/A	N/A	No operation during site inspections.
			W100	N/A	N/A	No operation during site inspections.
			W101	N/A	N/A	No operation during site inspections.
			W102	N/A	N/A	No operation during site inspections.
WC-27		Assembling wheel with pneumatic screw	W103	Y	N	No operation during site inspections.
			W104	Y	N	No operation during site inspections.
			W105	Y	N	No operation during site inspections.
			W106	Y	N	No operation during site inspections.
WC-28		Hammering	W107	Y	N	No operation during site inspections.
			W108	Y	N	No operation during site inspections.
			W109	Y	N	No operation during site inspections.
			W110	Y	N	No operation during site inspections.
WC-29		Assembling wheel with pneumatic screw	W111	Y	N	No operation during site inspections.
			W112	Y	N	No operation during site inspections.
			W113	Y	N	No operation during site inspections.
			W114	Y	N	No operation during site inspections.
WC-30		Hammering	W115	Y	N	No operation during site inspections.
			W116	Y	N	No operation during site inspections.
			W117	Y	N	No operation during site inspections.
			W118	Y	N	No operation during site inspections.
WC-31		Assembling wheel with pneumatic screw	W119	Y	N	No operation during site inspections.
			W120	Y	N	No operation during site inspections.
			W121	Y	N	No operation during site inspections.
			W122	Y	N	No operation during site inspections.
WC-32		Hammering	W123	Y	N	No operation during site inspections.
			W124	Y	N	No operation during site inspections.
			W125	Y	N	No operation during site inspections.
			W126	Y	N	No operation during site inspections.
WC-33		Air gun (pressurized hoist)	W127	Y	N	No operation during site inspections.
			W128	Y	N	No operation during site inspections.
			W129	Y	N	No operation during site inspections.
			W130	Y	N	No operation during site inspections.
WC-34		Assembling wheel with pneumatic screw	W131	Y	N	No operation during site inspections.
			W132	Y	N	No operation during site inspections.
			W133	Y	N	No operation during site inspections.
			W134	Y	N	No operation during site inspections.

ID	Description	Activities/Equipment*	Activities ID	Operation Period*		Remark
				Daytime	Nighttime	
WC-35		N/A	W074	N/A	N/A	No noisy industrial activity has been identified.
WC-36		Assembling wheel with pneumatic screw (Large)	W075	Y	N	No operation during site inspections, activity was advised by operator.
		Hammering	W076	Y	N	No operation during site inspections, activity was advised by operator.
WC-37		Air gun (pressurized hoist)	W077	Y	N	No operation during site inspections, activity was advised by operator.
WC-38		N/A	W078	N/A	N/A	No noisy industrial activity has been identified.
WC-39		N/A	W079	N/A	N/A	No noisy industrial activity has been identified.
		Forklifting, loading & unloading	W080	Y	N	Not operate during site inspections.
WC-40		N/A	W081	N/A	N/A	No noisy industrial activity has been identified.
WC-41		N/A	W082	N/A	N/A	No noisy industrial activity has been identified.
WC-42		Hammering	W083	Y	N	
		Forklifting, loading & unloading	W084	Y	N	
WC-43		Hammering	W085	Y	N	Noisy activity was observed, measurement was not allowed due to safety reason.
WC-44		N/A	W086	N/A	N/A	No noisy industrial activity has been identified.
WC-45		Waxing Machine	W087	Y	N	
		Air gun (pressurized hoist)	W088	Y	N	No operation during site inspections, activity was advised by operator.
		Hammering	W089	Y	N	No operation during site inspections, activity was advised by operator.
		Gas welding (燒風爐)	W090	Y	N	No operation during site inspections, activity was advised by operator.
WC-46		Assembling wheel with pneumatic screw	W091	Y	N	No noisy industrial activity has been identified.
WC-47		N/A	W092	N/A	N/A	No noisy industrial activity has been identified.
WC-48		N/A	W093	N/A	N/A	No noisy industrial activity has been identified.
WC-49		N/A	W094	N/A	N/A	No noisy industrial activity has been identified.
WC-50		N/A	W095	N/A	N/A	No noisy industrial activity has been identified.
		Hammering	W096	Y	N	No operation during site inspections, activity was advised by operator.
		Gas welding (燒風爐)	W097	Y	N	No operation during site inspections, activity was advised by operator.
		Assembling wheel with pneumatic screw	W098	Y	N	No operation during site inspections, activity was advised by operator.
WC-51		N/A	W099	N/A	N/A	No noisy industrial activity has been identified.
WC-52		N/A	W100	Y	N	
WC-53		Loading and Unloading LPG canisters	W101	Y	N	
WC-54		Electric Screw	W102	Y	N	
		Hammering	W103	Y	N	Activity was happened in few seconds only and could not be measured.
WC-55		N/A	W104	Y	N	No noisy industrial activity has been identified.
WC-56		N/A	W105	N/A	N/A	
WC-57		Assembling wheel with pneumatic screw (Large)	W106	Y	N	
		Gas pump	W107	Y	N	
		Assembling wheel with pneumatic screw (Large)	W108	Y	N	
WC-58		Hammering	W109	Y	N	Noisy activity was observed, measurement was not allowed by operator.
WC-59		Air gun (pressurized hoist)	W110	Y	N	Noisy activity was observed, measurement was not allowed by operator.
		Hammering	W111	Y	N	Noisy activity was observed, measurement was not allowed by operator.
		Air gun (pressurized hoist)	W112	Y	N	Noisy activity was observed, measurement was not allowed by operator.
WC-60		Gas welding (燒風爐)	W113	Y	N	No operation during site inspections.
		Forklifting, loading & unloading	W114	Y	N	No operation during site inspections.
		Forklifting, loading & unloading	W115	Y	N	No operation during site inspections.
WC-61		Assembling wheel with pneumatic screw	W116	Y	N	
		Hammering	W117	Y	N	
WC-62		N/A	W118	Y	N	No noisy industrial activity has been identified.
WC-63		Hammering	W119	Y	N	Noisy activity was observed, measurement was not allowed by operator.
		Electric screw	W120	Y	N	Noisy activity was observed, measurement was not allowed by operator.
WC-64		Assembling wheel with pneumatic screw	W121	Y	N	
		Hammering	W122	Y	N	Activity was happened in few seconds only and could not be measured.
WC-65		N/A	W123	Y	N	No noisy industrial activity has been identified.
WC-66		N/A	W124	Y	N	No noisy industrial activity has been identified.
WC-67		N/A	W125	Y	N	No noisy industrial activity has been identified.
WC-68		Forklifting, loading & unloading	W126	Y	N	No operation during site inspections.
		Forklifting, loading & unloading	W127	Y	N	No operation during site inspections.
		Forklifting, loading & unloading	W128	Y	N	No operation during site inspections.
WC-69		Road Roller Testing	W129	Y	N	
		Engine Testing	W130	Y	N	
WC-70		Gas welding (燒風爐)	W131	Y	N	
		Hammering	W132	Y	N	
WC-71		Air gun (pressurized hoist)	W133	Y	N	Noisy activity was observed, measurement was not allowed by operator.
		Hammering	W134	Y	N	Noisy activity was observed, measurement was not allowed by operator.
		Electric Screwing	W135	Y	N	Noisy activity was observed, measurement was not allowed by operator.
WC-72		Air gun (pressurized hoist)	W136	Y	N	
		Electric Screwing	W137	Y	N	
		Overhead crane	W138	Y	N	No operation during site inspections.
WC-73		Air gun (pressurized hoist)	W139	Y	N	
WC-74		Hammering	W140	Y	N	
		N/A	W141	N/A	N/A	No noisy industrial activity has been identified.
WC-75		N/A	W142	N/A	N/A	No noisy industrial activity has been identified.

ID	Description	Activities/Equipment*	Activities ID	Operation Period*		Remark
				Daytime	Nighttime	
WC-76		Air gun (pressurized hoist) Hammering Assembling wheel with pneumatic screw	W143 W144 W145	Y Y N	N N N	Noisy activity was observed, measurement was not allowed by operator. Noisy activity was observed, measurement was not allowed by operator. Noisy activity was observed, measurement was not allowed by operator.
WC-77		Air gun (pressurized hoist) Hammering Assembling wheel with pneumatic screw	W146 W147 W148	Y Y N	N N N	No operation during site inspections. No operation during site inspections. No operation during site inspections.
WC-78		N/A	W149	N/A	N/A	No noisy industrial activity has been identified.
WC-79		N/A	W150	N/A	N/A	No noisy industrial activity has been identified.
WC-80		Hammering Assembling wheel with pneumatic screw Gas welding (88瓦欧)	W151 W152 W153	Y Y Y	N N N	Activity was happened in few seconds only and could not be measured.
WC-81		Crane mounted lorry	W154	Y	N	
WC-82		N/A	W155	N/A	N/A	No noisy industrial activity has been identified.
WC-83		N/A	W156	N/A	N/A	
WC-84		Mobile Crane Engine Testing Learming to use loader Hammering Electric saw Forklifting, loading & unloading	W157 W158 W159 W160 W161 W162	Y Y Y Y Y Y	N N N N N N	Activity was happened in few seconds only and could not be measured.
WC-85		N/A	W163	N/A	N/A	No operation during site inspections.
WC-86		N/A	W164	N/A	N/A	No noisy industrial activity has been identified.
WC-87		Gas welding (88瓦欧)	W165	N/A	N/A	No operation during site inspections.
WC-88		N/A	W166	N/A	N/A	No noisy industrial activity has been identified.
WC-89		Forklifting, loading & unloading	W167	N/A	N/A	No operation during site inspections.
WC-90		Forklifting, loading & unloading	W168	Y	N	No operation during site inspections.
WC-91		Forklifting, loading & unloading	W169	Y	N	No operation during site inspections.
WC-92		N/A	W170	Y	N	No noisy industrial activity has been identified.
		Loader	W171	Y	N	
		Loader	W172	Y	N	No operation during site inspections.
		Loader	W173	Y	N	No operation during site inspections.
		Hammering	W174	Y	N	
WC-93		Exhaust Fan X 2 nos	W175	Y	N	No operation during site inspections.
WC-94		Forklifting, loading & unloading Sanding materials Hammering Gas welding (88瓦欧)	W176 W177 W178 W179	Y Y Y Y	N N N N	Activity was happened in few seconds only and could not be measured. Noisy activity has observed, measurement was not allowed by operator. Noisy activity has observed, measurement was not allowed by operator.
WC-95		Hammering Electric screw	W180 W181	Y Y	N N	Activity advised by operator. Activity advised by operator.
WC-96		Air gun (pressurized hoist) Assembling wheel with pneumatic screw	W182 W183	Y Y	N N	Activity advised by operator. Activity advised by operator.
WC-97		N/A	W184	N/A	N/A	No noisy industrial activity has been identified.
WC-98		Trolley	W185	Y	N	
WC-99		Dropping Steel	W186	Y	N	Activity was happened in few seconds only and could not be measured.
WC-100		N/A	W187	N/A	N/A	No noisy industrial activity has been identified.
		Pump	W188	Y	N	
		Hammering	W189	Y	N	
		Air gun (pressurized hoist)	W190	Y	N	
WC-101		Electric Screwing	W191	Y	N	
		Hammering	W192	Y	N	Noisy activity was observed, noise measurement was not allowed by operator.
		Air gun (pressurized hoist)	W193	Y	N	Noisy activity was observed, noise measurement was not allowed by operator.
WC-102		Electric Screwing	W194	Y	N	Noisy activity was observed, noise measurement was not allowed by operator.
		Air gun (pressurized hoist)	W195	Y	N	Noisy activity was observed, noise measurement was not allowed by operator.
		Electric Screwing	W196	Y	N	Noisy activity was observed, noise measurement was not allowed by operator.
		Hammering	W197	Y	N	Noisy activity was observed, noise measurement was not allowed by operator.
		Assembling wheel with pneumatic screw	W198	Y	N	Noisy activity was observed, noise measurement was not allowed by operator.
WC-103		N/A	W199	Y	N	No noisy industrial activity has been identified.
WC-104		Hammering Electric screw	W200 W201	Y Y	N N	Noisy activity was observed, noise measurement was not allowed by operator.
		Air gun (pressurized hoist)	W202	Y	N	Noisy activity was observed, noise measurement was not allowed by operator.
		Assembling wheel with pneumatic screw	W203	Y	N	Noisy activity was observed, noise measurement was not allowed by operator.
WC-105		Hammering	W204	Y	N	No operation during site inspections.
		Air gun (pressurized hoist)	W205	Y	N	No operation during site inspections.
		Assembling wheel with pneumatic screw	W206	Y	N	No operation during site inspections.
WC-106		Hammering	W207	Y	N	Noisy activity was identified, noise measurement and site observation were not allowed by operator.
		Air gun (pressurized hoist)	W208	Y	N	Noisy activity was identified, noise measurement and site observation were not allowed by operator.
WC-107		Assembling wheel with pneumatic screw Hammering Electric screw	W209 W210 W211	Y Y Y	N N N	Noisy activity was identified, noise measurement and site observation were not allowed by operator.
		Air gun (pressurized hoist)	W212	Y	N	Noisy activity was identified, noise measurement and site observation were not allowed by operator.
		Assembling wheel with pneumatic screw	W213	Y	N	Noisy activity was identified, noise measurement and site observation were not allowed by operator.

Note: * Y - Yes, N - No, N/A - Not Applicable

The figure is a topographic map of the study area. A large black rectangle in the center represents the study site. The map shows contour lines, roads, and other geographical features. A scale bar in the top right corner indicates a distance of 250 meters. A north arrow is located in the top left corner.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	30 Aug 2012 7 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00		•Forklifting, loading & unloading X 2 nos.	As advised by operator and based on site observation, there would be no operation during night-time period. No noisy industrial activity was observed during site inspections. Two forklifting machines were not operated during site inspections.

Noise Source ID: WC-02

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	Forklifting, loading & unloading X 2 nos.	The lot cannot be accessed during site inspections. As advised by other workshop's operator and based on site observation, there would be no operation during night-time period. No noisy industrial activity was observed during site inspections. Two forklifting machines were not operated during site inspections.
[REDACTED]					

Noise Source ID: WC-03

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•Hammering •Trolley	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed activities operation time (within 30 min.) is as follows: •Hammering: 2 min. •Trolley: 2 min.

Noise Source ID: WC-04

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
██████████	30 Aug 2012 7 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	██████████	•Air gun (pressurized hosing) •Hammering •Forklifting, loading & unloading X 3 nos.	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Air gun (pressurized hosing): 15 min. •Hammering: <1 min. (few sec.) •Forklifting, loading & unloading: 20 min. Two forklifting machines were not operated during site inspections.

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

Noise Source ID: WC-05

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	30 Aug 2012 7 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	[REDACTED]	No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
"Unknown"	30 Aug 2012 7 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	Open storage	•No noisy industrial activity has been identified.	The lot cannot be accessed during site inspections. As advised by other workshop's operator and based on site observation, there would be no operation during night-time period. No noisy industrial activity was observed during site inspections.

Noise Source ID: WC-07

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•Exhaust Fan (facing to NE) •Sets of Chilling Container •Forklifting, loading & unloading X 4 nos.	As advised by operator and based on site observation, there would be no operation during night-time period, except the chilling containers which will be operating for all times. The approximate observed operation time (within 30 min.) is as follows: •Sets of Chilling Container: 30 min. Four forklifting machines and exhaust fans were not operated during site inspections.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: WC-08

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	30 Aug 2012 7 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	[REDACTED]	•Gas welding (燒風煤) •Air gun (pressurized hosing)	As advised by operator and based on site observation, there would be no operation during night-time period. Gas welding facility and air gun (pressurized hosing) were not operated during site inspections.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	30 Aug 2012 7 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00		•No noisy industrial activity has been identified.	As advised by workshop's operator and based on site observation, no industrial noisy activity was observed in both daytime and night-time period.

Noise Source ID: WC-10

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012	21:00-04:00	[REDACTED]	•Container Crane X 2 nos.	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Container Crane : 30 min. •Container Crane : 30 min.
[REDACTED]	3 Oct 2012	21:00-05:00	[REDACTED]		
[REDACTED]	5 Oct 2012	13:00-18:00			
[REDACTED]	8 Oct 2012	10:00-18:00			

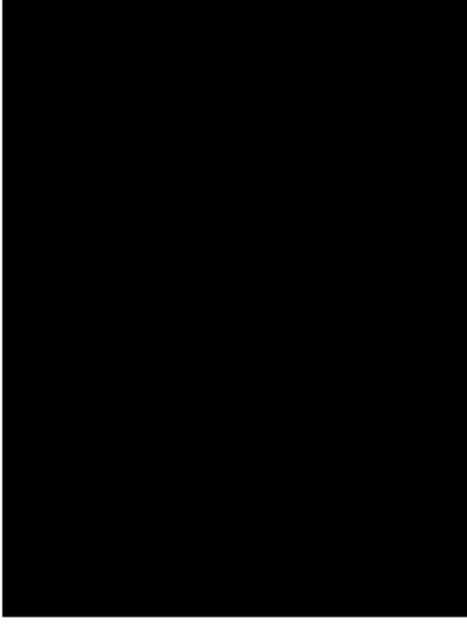
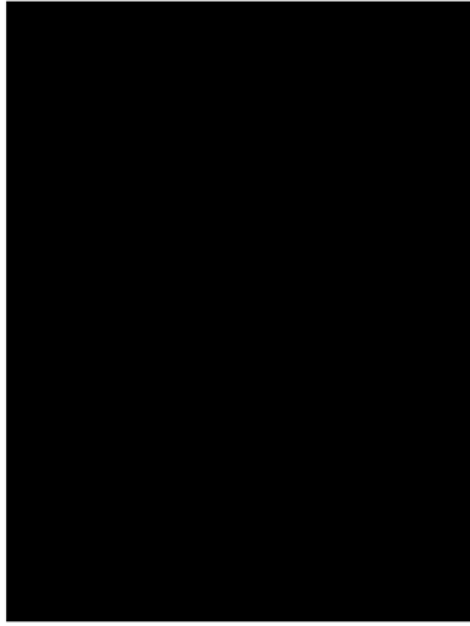
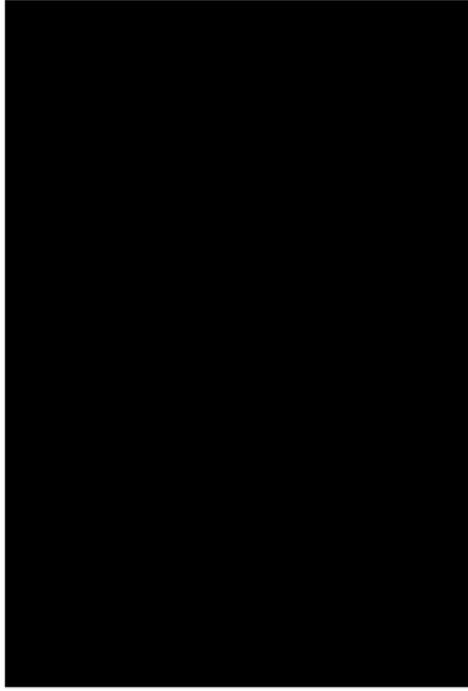


Noise Source ID: WC-11

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	30 Aug 2012 7 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	[REDACTED]	•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Noise Source ID: WC-12

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012	21:00-04:00	[REDACTED]	•Exhaust fan (facing to NE) X 2 nos.	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Exhaust fan (facing to NE): 30 min. •Exhaust fan (facing to NE): 30 min.
[REDACTED]	3 Oct 2012	21:00-05:00	[REDACTED]		
[REDACTED]	4 Oct 2012	13:00-18:00			
[REDACTED]	5 Oct 2012	13:00-18:00			
[REDACTED]	8 Oct 2012	10:00-18:00			



Noise Source ID: WC-13

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	30 Aug 2012 7 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	[REDACTED]	•Forklifting, loading & unloading	The lot cannot be accessed during site inspections. As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Forklifting, loading & unloading: 10 min. Noise measurement was not carried out due to safety reason.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	30 Aug 2012 7 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00		•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

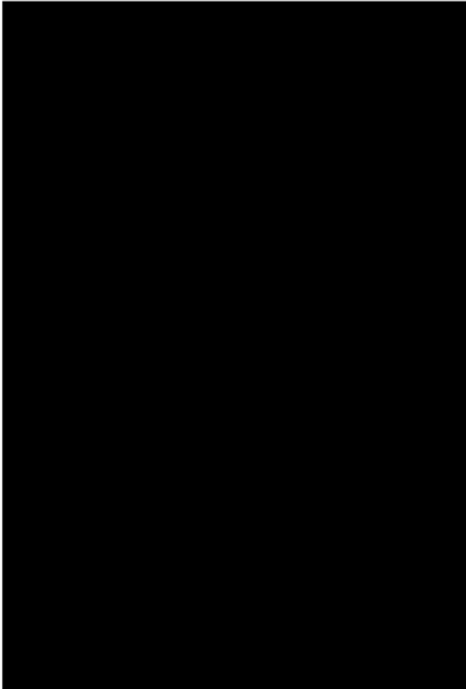
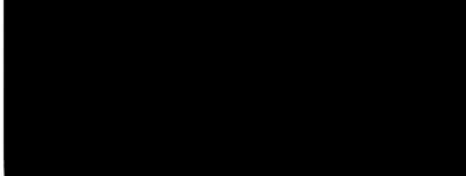
Noise Source ID: WC-15

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	30 Aug 2012 7 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00		•Air gun (pressurized hosing)	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Air gun (pressurized hosing): 10 min.

Noise Source ID: WC-16

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	30 Aug 2012	10:00-18:00	[REDACTED]	•Gas welding (燒風煤) •Air gun (pressurized hosing)	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period. Gas welding facility and air gun (pressurized hosing) were not operated during site inspections.
[REDACTED]	7 Sept 2012	10:00-18:00	[REDACTED]		
	25 Sept 2012	21:00-04:00	[REDACTED]		
	3 Oct 2012	21:00-05:00			
	8 Oct 2012	10:00-18:00			

[illegible]

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	30 Aug 2012 7 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00		•Waxing machine •Blower •Hammering •Electric screw •Air gun (pressurized hosing) •Assembling wheel with pneumatic screw	As advised by operator and based on site observation, there would be no operation was taken during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Waxing machine: 30 min. The approximate operation time (within 30 min.) of noisy activities advised by the operator is as follows: •Blower: 30 min. •Hammering: 5 min. •Electric screw: 5 min. •Air gun (pressurized hosing): 5 min. •Assembling wheel with pneumatic screw: 5 min. Blower, hammering, electric screw, air gun (pressurised hosing) and assembling wheel with pneumatic screw were not operated during site inspections.
					

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 10:00-18:00		•Gas welding (焼風煤) •Air gun (pressurized hosing)	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period. Gas welding facility and air gun (pressurized hosing) were not operated during site inspections.

Noise Source ID: WC-19

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED] [REDACTED]	No noisy industrial activity has been identified.	Based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Noise Source ID: WC-20

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•Container Crane X 2 nos.	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Container Crane: 30 min. Another container crane was not operated during site inspections.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: WC-21

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 10:00-18:00	[REDACTED]	•Sets of Chilling Container •Water pump •Container Crane (Sharing by WC-28) X 2 nos. •Forklifting, loading & unloading	As advised by operator and based on site observation, there would be no operation during night-time period, except the chilling containers will be operating for all times. The approximate observed operation time (within 30 min.) is as follows: •Sets of Chilling Container: 30 min. The approximate operation time (within 30 min.) of noisy activities advised by the operator is as follows: •Water pump: 30 min. •Container Crane: 30 min. •Forklifting, loading & unloading: 30 min. Water pump, container crane and forklifting, loading & unloading were not operated during site inspections.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: WC-22

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED] [REDACTED] [REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED] [REDACTED]	No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Noise Source ID: WC-23

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
██████████	25 Sept 2012 28 Sept 2012 3 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 10:00-18:00	██████████ ██████████	•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•Air gun (pressurized hosing) •Hammering •Overhead Crane	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period. Air gun (pressurized hosing), hammering and overhead crane were not operated during site inspections.

Noise Source ID: WC-25

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•No noisy industrial activity has been identified.	The lot cannot be accessed during site inspections. As advised by other workshop's operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Noise Source ID: WC-26

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	No noisy industrial activity has been identified.	The lot cannot be accessed during site inspections. As advised by other workshop's operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]					

Noise Source ID: WC-27

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•PME testing •Air gun (pressurized hosing) •Gas welding	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •PME testing: 30 min. •Air gun (pressurized hosing): 10 min. •Gas welding: 20 min. Noise measurement was not carried out due to safety reason.

Noise Source ID: WC-28

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 10:00-18:00	[REDACTED]	No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Noise Source ID: WC-29

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	30 Aug 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	[REDACTED] [REDACTED]	•Assembling wheel with pneumatic screw •Hammering	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Assembling wheel with pneumatic screw: 2 min. •Hammering: <1 min. (few sec.) Noise measurement was not allowed by operator.

Noise Source ID: WC-30

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	30 Aug 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00		•Assembling wheel with pneumatic screw (Large) •Hammering	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Assembling wheel with pneumatic screw (Large): 5 min. •Hammering: <1 min. (few sec.)

Noise Source ID: WC-31

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	30 Aug 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00		•Assembling wheel with pneumatic screw •Hammering	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Assembling wheel with pneumatic screw: 5 min. •Hammering: 5 min. Noise measurement was not carried out due to safety reason.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	30 Aug 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00		•Assembling wheel with pneumatic screw (Large) •Hammering •Air-gun (pressurized hosing)	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Assembling wheel with pneumatic screw (Large): 5 min. •Hammering: <1 min. (few sec.) •Air-gun (pressurized hosing): 5 min.

Noise Source ID: WC-33

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	30 Aug 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	[REDACTED] [REDACTED]	•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]					

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
██████████	25 Sept 2012 28 Sept 2012 3 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 10:00-18:00		•Assembling wheel with pneumatic screw (Large) •Hammering •Air gun (pressurized hosing)	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Assembling wheel with pneumatic screw (Large): 3 min. •Hammering: <1 min. •Air gun (pressurized hosing) was not operated during site inspections.

Noise Source ID: WC-35

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
██████████	25 Sept 2012 28 Sept 2012 3 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 10:00-18:00	██████████	No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 10:00-18:00		•Assembling wheel with pneumatic screw (Large) •Hammering •Air gun (pressurized hosing)	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period. Assembling wheel with pneumatic screw, hammering and air gun were not operated during site inspections.

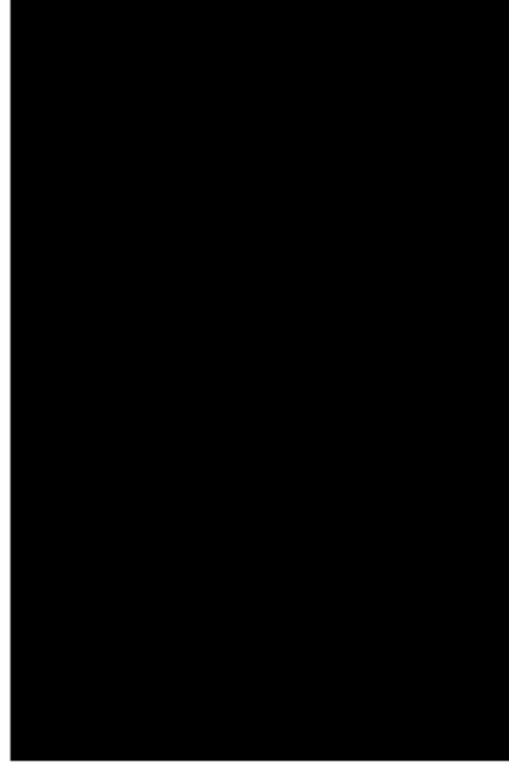
Noise Source ID: WC-37

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 10:00-18:00	[REDACTED] [REDACTED]	•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]					
[REDACTED]					
[REDACTED]					

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012	21:00-04:00		•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
	28 Sept 2012	10:00-18:00			
	3 Oct 2012	21:00-05:00			
	4 Oct 2012	13:00-18:00			
	5 Oct 2012	13:00-18:00			
	8 Oct 2012	10:00-18:00			

Noise Source ID: WC-39

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012	21:00-04:00	[REDACTED]	•Forklifting, loading & unloading	As advised by operator and based on site observation, there would be no operation during night-time period and no noisy industrial activity was observed in both daytime and night-time period. A forklifting machine was not operated during site inspections.
	28 Sept 2012	10:00-18:00			
	3 Oct 2012	21:00-05:00			
	4 Oct 2012	13:00-18:00			
	5 Oct 2012	13:00-18:00			
	8 Oct 2012	10:00-18:00			



Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Noise Source ID: WC-41

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•Hammering •Forklifting, loading & unloading	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Hammering: occasional and 2 min. •Forklifting, loading & unloading: 15 min.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•Hammering	Based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Hammering: 2 min. Noise measurement was not allowed due to safety reason.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Noise Source ID: WC-45

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012	21:00-04:00	[REDACTED]	•Waxing Machine •Air gun (pressurized hosing) •Hammering •Gas welding •Assembling wheel with pneumatic screw	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Waxing Machine: 10 min. •Air gun (pressurized hosing): 5 min. The approximate operation time (within 30 min.) of noisy activities advised by the operator is as follows: •Hammering: 5 min. •Gas welding: 15 min. •Assembling wheel with pneumatic screw : 5 min. Hammering, gas welding and assembling wheel with pneumatic screw were not operated during site inspections.
[REDACTED]	28 Sept 2012	10:00-18:00			
	3 Oct 2012	21:00-05:00			
	4 Oct 2012	13:00-18:00			
	5 Oct 2012	13:00-18:00			
	8 Oct 2012	10:00-18:00			

Noise Source ID: WC-46

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
"Unknown"	25 Sept 2012 28 Sept 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 13:00-18:00 10:00-18:00	Waste recycling yard	•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Noise Source ID: WC-47

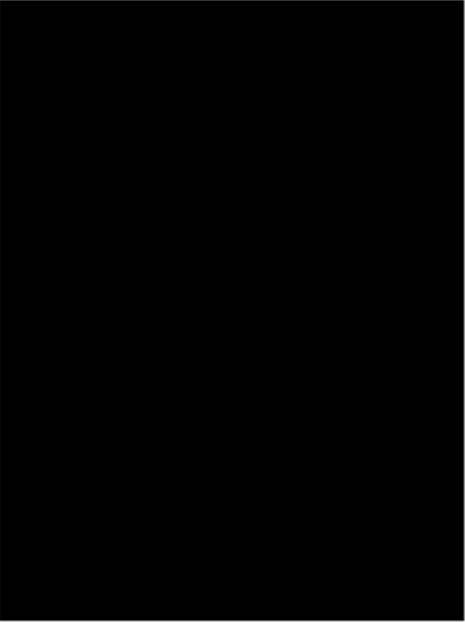
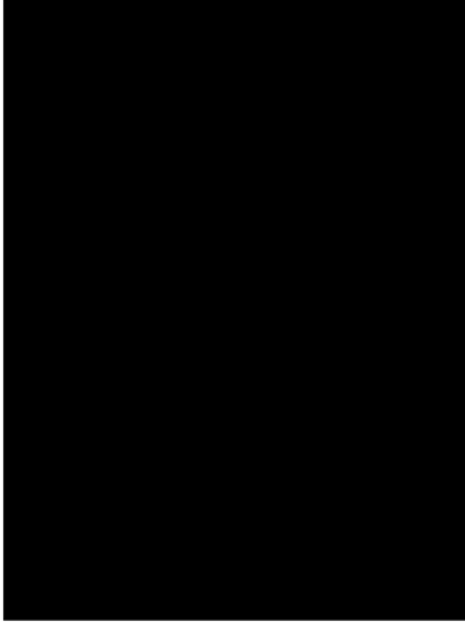
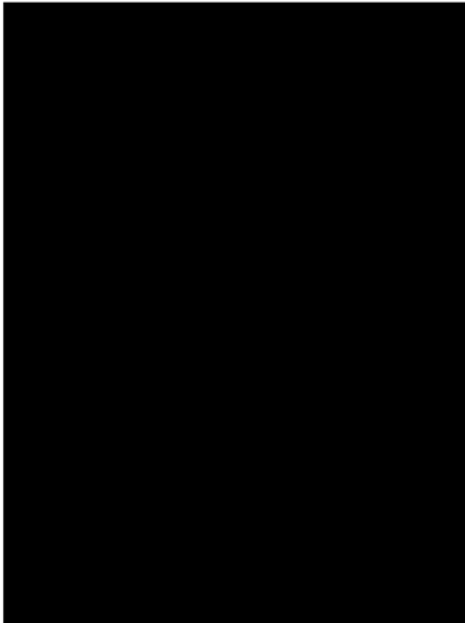
Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Noise Source ID: WC-48

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•No noisy industrial activity has been identified.	As advised by other workshop's operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]					
[REDACTED]					

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012	21:00-04:00		•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
	28 Sept 2012	10:00-18:00			
	3 Oct 2012	21:00-05:00			
	4 Oct 2012	13:00-18:00			
	5 Oct 2012	13:00-18:00			
	8 Oct 2012	10:00-18:00			

Noise Source ID: WC-50

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•Hammering •Gas welding •Assembling wheel with pneumatic screw	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate operation time (within 30 min.) of noisy activities advised by the operator is as follows: •Hammering: 2 min. •Gas welding: 15 min. •Assembling wheel with pneumatic screw : 5 min. Hammering, gas welding and assembling wheel with pneumatic screw were not operated during site inspections.
  					

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012	21:00-04:00		•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
	28 Sept 2012	10:00-18:00			
	3 Oct 2012	21:00-05:00			
	4 Oct 2012	13:00-18:00			
	5 Oct 2012	13:00-18:00			
	8 Oct 2012	10:00-18:00			

Noise Source ID: WC-52

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012	21:00-04:00		•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
	28 Sept 2012	10:00-18:00			
	3 Oct 2012	21:00-05:00			
	4 Oct 2012	13:00-18:00			
	5 Oct 2012	13:00-18:00			
	8 Oct 2012	10:00-18:00			

Noise Source ID: WC-53

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012	21:00-04:00			
	3 Oct 2012	21:00-05:00			
	4 Oct 2012	13:00-18:00			
	5 Oct 2012	13:00-18:00			
	8 Oct 2012	10:00-18:00			
				•Loading and Unloading LPG canisters	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: • Loading and Unloading LPG canisters : 10 min.

[illegible]

Noise Source ID: WC-54

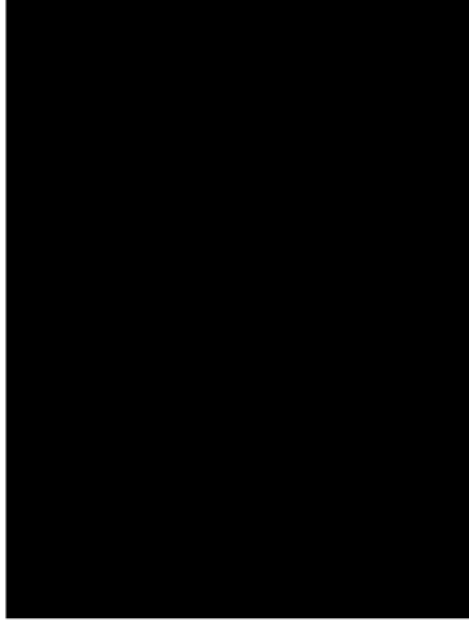
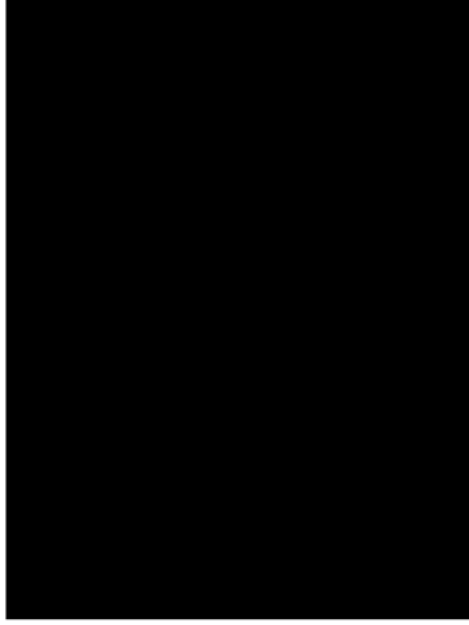
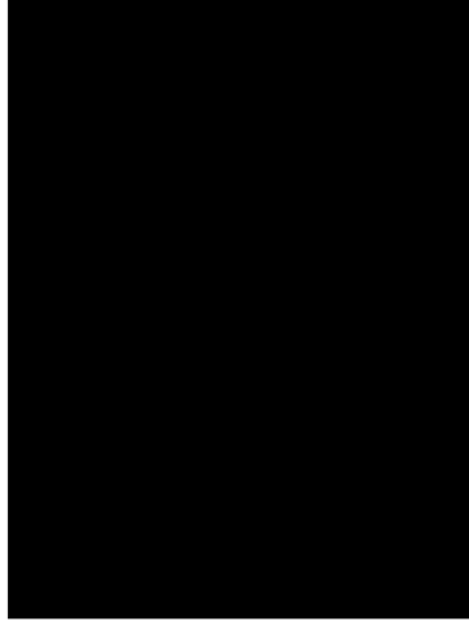
Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED] [REDACTED]	•Electric Screw •Hammering	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Electric Screw: 2 min. •Hammering: <1 min. (few sec.)
[REDACTED]					

Noise Source ID: WC-55

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED] [REDACTED] [REDACTED]	No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]					

Noise Source ID: WC-56

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
██████████	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	██████████	No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.



Noise Source ID: WC-57

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•Assembling wheel with pneumatic screw (Large) X 2 nos. •Gas pump	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Assembling wheel with pneumatic screw (Large): 10 min. •Gas pump: 5 min.
[REDACTED]					

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•Hammering •Air gun (pressurized hosing)	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Hammering: 5 min. •Air gun (pressurized hosing): 5 min. Noise measurement was not allowed by operator.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: WC-59

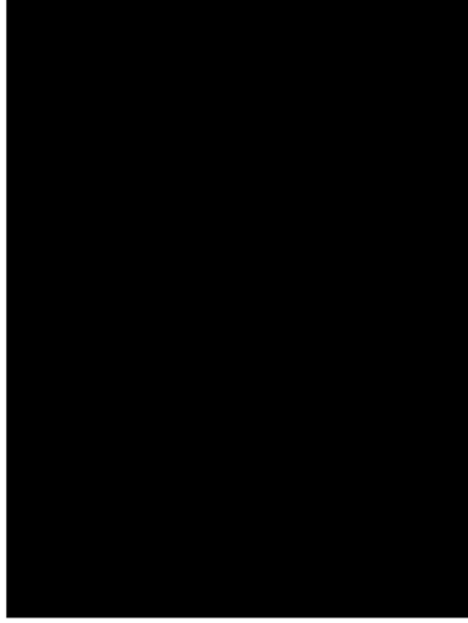
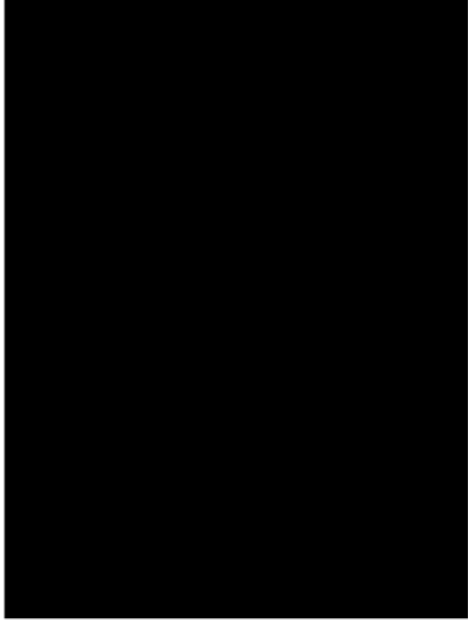
Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED] [REDACTED] [REDACTED]	•Air gun (pressurized hosing) •Hammering •Gas welding (燒風煤)	Based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Air gun (pressurized hosing): 10 min. •Hammering: 2 min. Gas welding was not operated during site inspections.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: WC-60

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	Forklifting, loading & unloading X 2 nos.	As advised by operator and based on site observation, there would be no operation during night-time period. No noisy industrial activity was observed during site inspections. Two forklifting machines were not operated during site inspections.

Noise Source ID: WC-61

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012	21:00-04:00	[REDACTED]	•Assembling wheel with pneumatic screw •Hammering	Based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Assembling wheel with pneumatic screw : 5 min. •Hammering: 2 min.
[REDACTED]	28 Sept 2012	10:00-18:00	[REDACTED]		
	3 Oct 2012	21:00-05:00			
	4 Oct 2012	13:00-18:00			
	5 Oct 2012	13:00-18:00			
	8 Oct 2012	10:00-18:00			



Noise Source ID: WC-62

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]					

Noise Source ID: WC-63

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•Hammering •Electric Screw	Based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Hammering: 5 min. •Electric Screw: 2 min. Noise measurement was not allowed by operator.

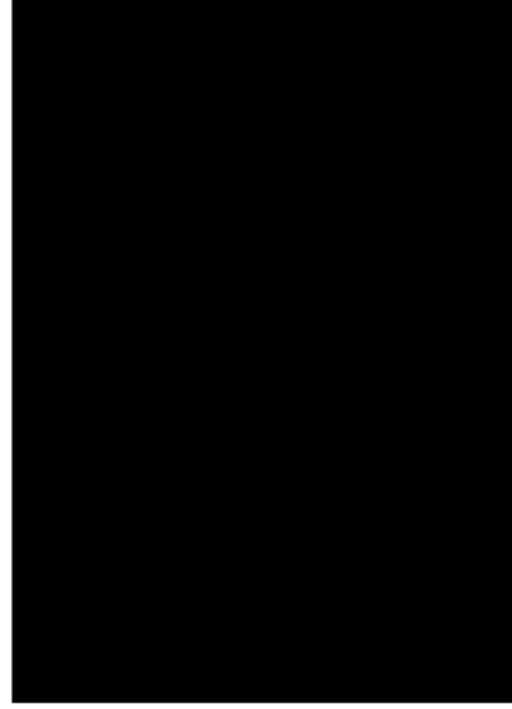
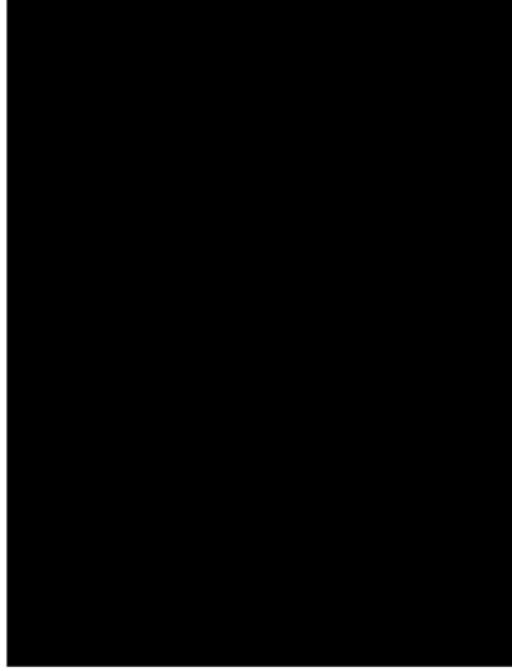
Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•Assembling wheel with pneumatic screw •Hammering	Based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Assembling wheel with pneumatic screw : 2 min. •Hammering: <1 min.

Noise Source ID: WC-65

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED] [REDACTED] [REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

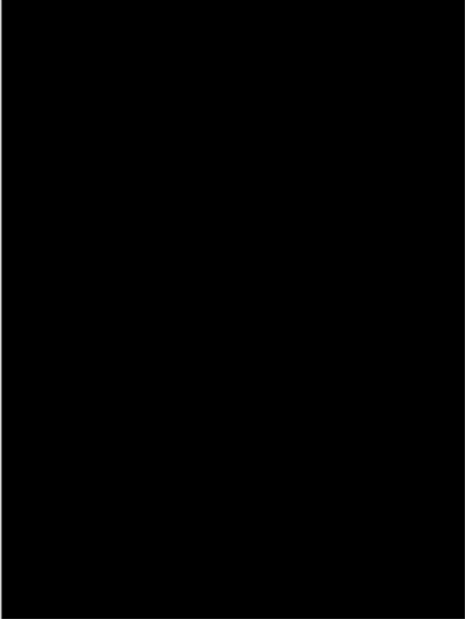
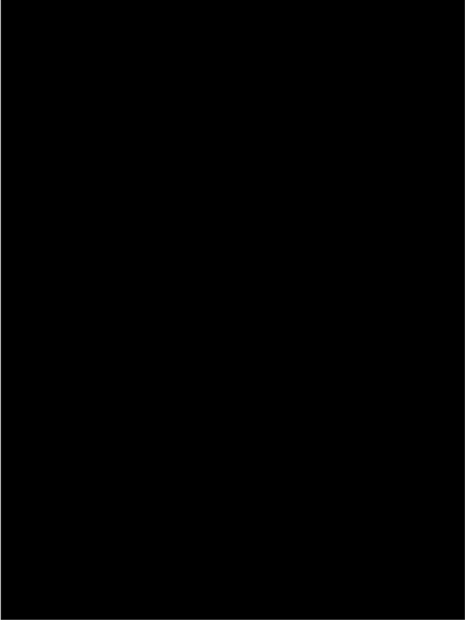
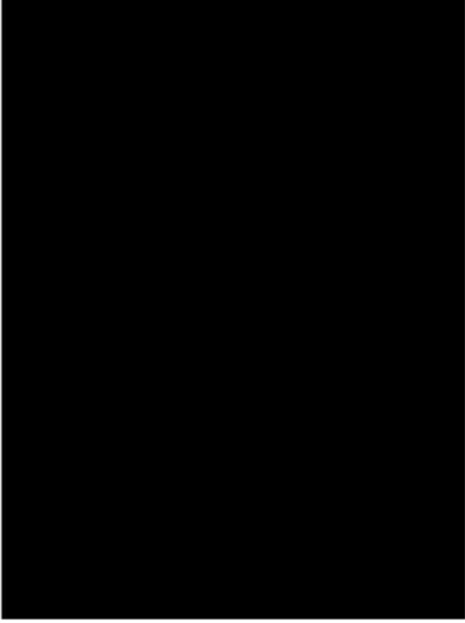
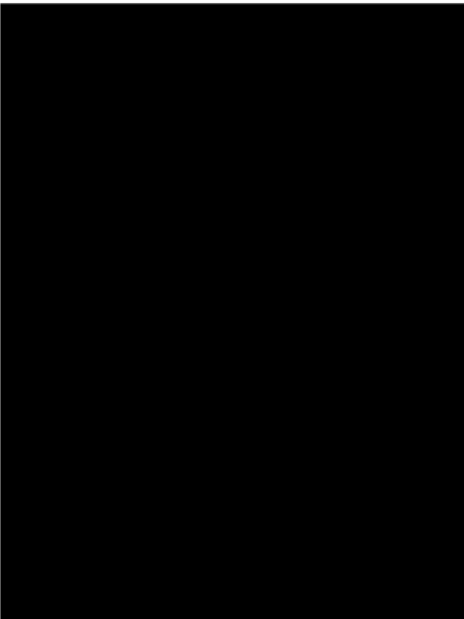
Noise Source ID: WC-66

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.



Noise Source ID: WC-67

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
██████████	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•Forklifting, loading & unloading X 3 nos.	As advised by operator and based on site observation, there would be no operation during night-time period. Three forklifting machines were not operated during site inspections.
					
					

Noise Source ID: WC-69

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	- Road Roller Testing - Engine Testing	Based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: - Road Roller Testing: 5 min. - Engine Testing: 30 min.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•Air gun (pressurized hosing) •Hammering •Electric Screwing	Based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Air gun (pressurized hosing): 5 min. •Hammering: 2 min. •Electric Screwing: 2 min. Noise measurement was not allowed by operator.

Noise Source ID: WC-72

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012	21:00-04:00	[REDACTED]	•Air gun (pressurized hosing) •Electric Screwing •Overhead crane	Based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Air gun (pressurized hosing): 5 min. •Electric Screwing: 5 min. Overhead crane was not operated during site inspections.
[REDACTED]	3 Oct 2012	21:00-05:00	[REDACTED]		
[REDACTED]	4 Oct 2012	13:00-18:00	[REDACTED]		
[REDACTED]	5 Oct 2012	13:00-18:00	[REDACTED]		
[REDACTED]	8 Oct 2012	10:00-18:00	[REDACTED]		

Noise Source ID: WC-73

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012	21:00-04:00	[REDACTED]	•Air gun (pressurized hosing) •Hammering	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Hammering: 2 min. •Air gun (pressurized hosing): 20 min. Noise measurement was not allowed by operator.
[REDACTED]	28 Sept 2012	10:00-18:00	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	3 Oct 2012	21:00-05:00	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	4 Oct 2012	13:00-18:00	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	5 Oct 2012	13:00-18:00	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	8 Oct 2012	10:00-18:00	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: WC-74

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	30 Aug 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	[REDACTED] [REDACTED]	•No noisy industrial activity has been identified.	As advised operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]					

Noise Source ID: WC-75

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	30 Aug 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	[REDACTED]	No noisy industrial activity has been identified.	As advised by other workshop's operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: WC-76

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•Air gun (pressurized hosing) •Hammering •Assembling wheel with pneumatic screw	As advised by other workshop's operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Air gun (pressurized hosing): 5 min. •Hammering: <1 min. •Assembling wheel with pneumatic screw: 2 min. Noise measurement was not allowed by operator.
[REDACTED]					

Noise Source ID: WC-77

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012	21:00-04:00	[REDACTED]	•Air gun (pressurized hosing)	As advised by other workshop's operator and based on site observation, there would be no operation during night-time period.
[REDACTED]	3 Oct 2012	21:00-05:00	[REDACTED]	•Hammering	Air gun (pressurized hosing), hammering and assembling wheel with pneumatic screw were not operated during site inspections.
	4 Oct 2012	13:00-18:00	[REDACTED]	•Assembling wheel with pneumatic screw	
	5 Oct 2012	13:00-18:00			
	8 Oct 2012	10:00-18:00			

Noise Source ID: WC-78

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 13:00-18:00 21:00-05:00 10:00-18:00	[REDACTED]	No noisy industrial activity has been identified.	As advised by other workshop's operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]					

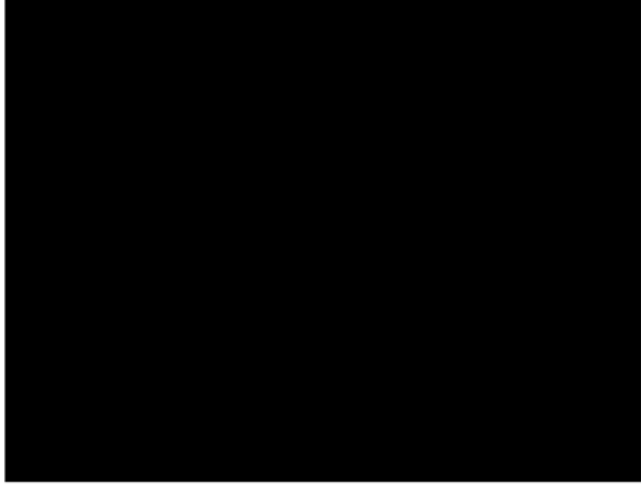
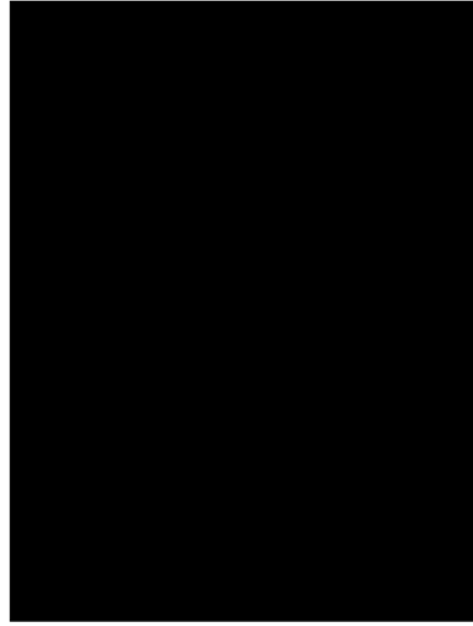
Noise Source ID: WC-79

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 13:00-18:00 21:00-05:00 10:00-18:00	[REDACTED] [REDACTED]	No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Noise Source ID: WC-80

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 21:00-05:00 10:00-18:00		•Hammering •Assembling wheel with pneumatic screw •Gas welding (燒風煤) •Crane mounted lorry	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Hammering: occasional and 5 min. •Assembling wheel with pneumatic screw: <1 min. (few sec.) •Gas welding (燒風煤): 5 min. •Crane mounted lorry: 5 min.

Noise Source ID: WC-51



Noise Source ID: WC-81

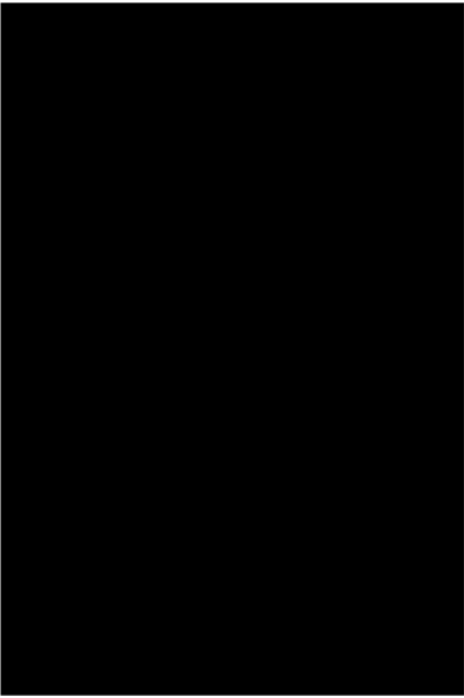
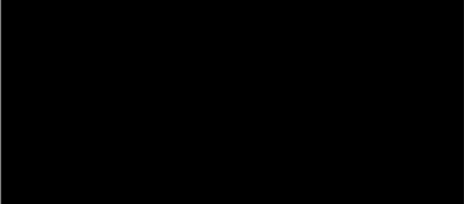
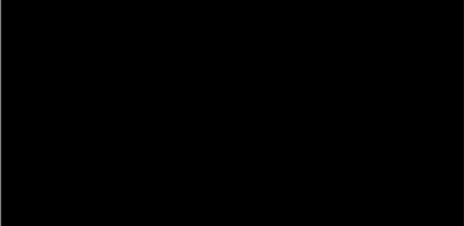
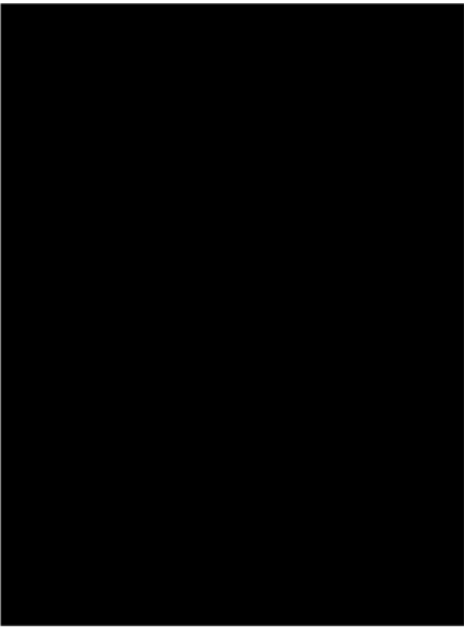
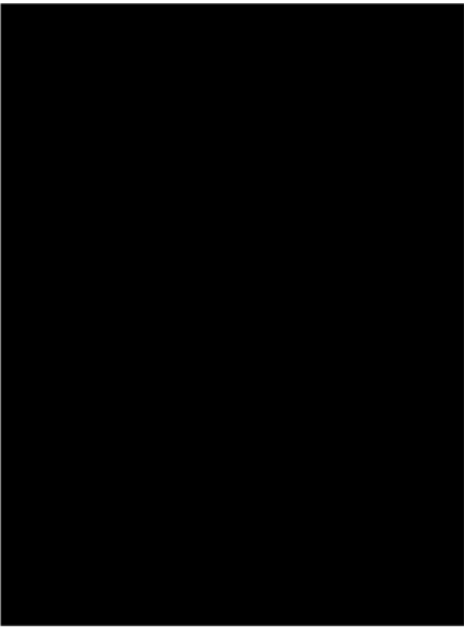
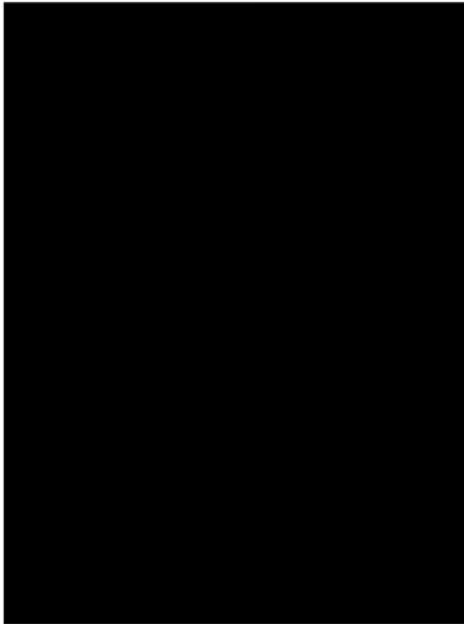
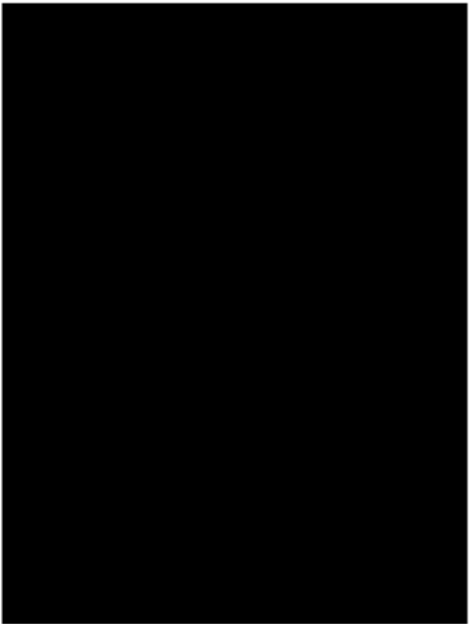
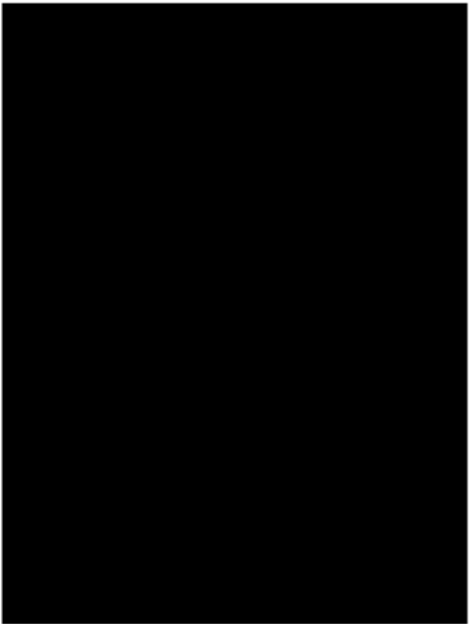
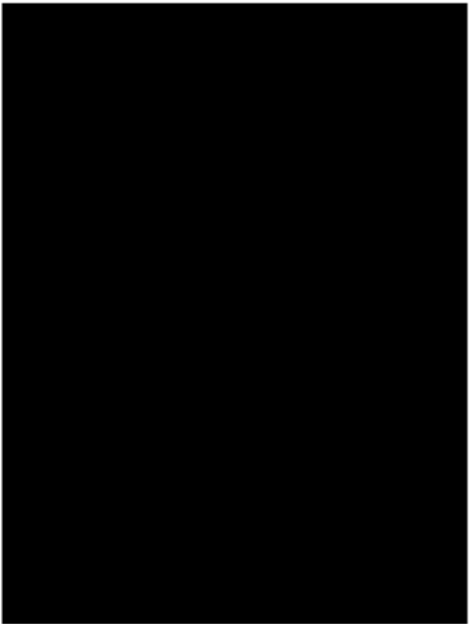
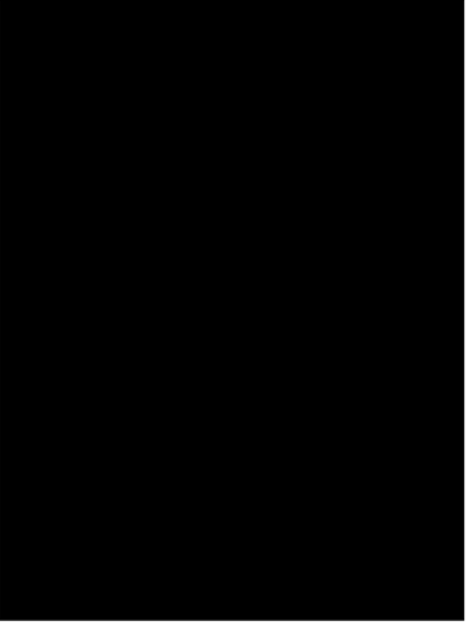
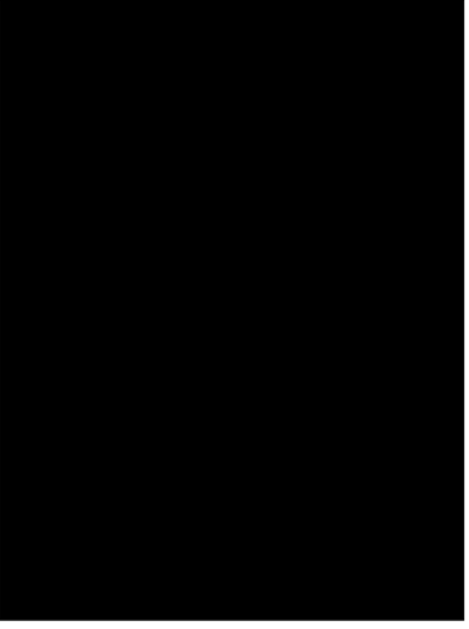
Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	30 Aug 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	[REDACTED]	No noisy industrial activity has been identified.	The Iol cannot be accessed during site inspections. As advised by other workshop's operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]					
[REDACTED]					

Noise Source ID: WC-82

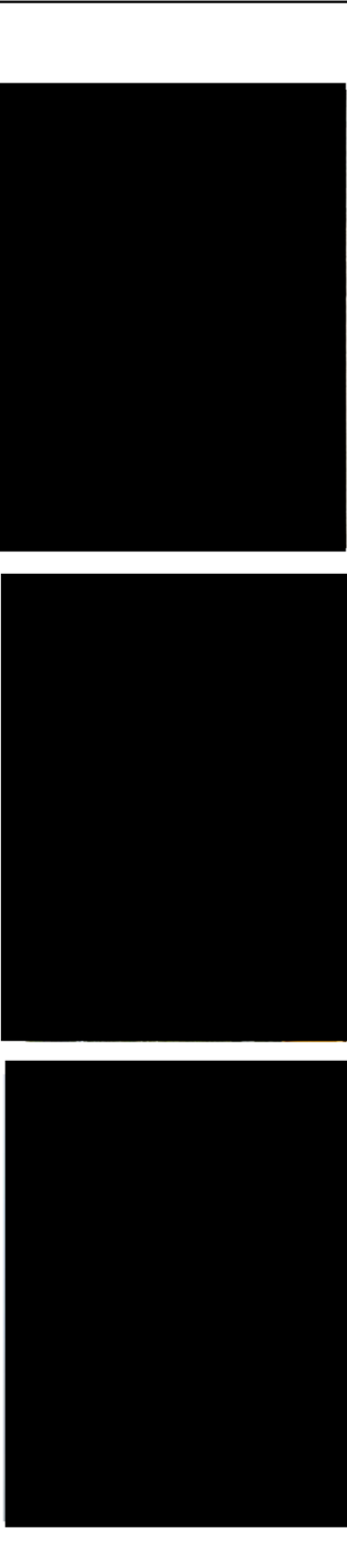
Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 13:00-18:00 21:00-05:00 10:00-18:00	[REDACTED]	No noisy industrial activity has been identified.	The lot cannot be accessed during site inspections. As advised by other workshop's operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: WC-83

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
█	25 Sept 2012 28 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 13:00-18:00 21:00-05:00 10:00-18:00		• Mobile Crane	As advised operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: • Mobile Crane: 30 min. As advised operator, the lot is mainly used for construction plants storage and plants will not be operated except mobile crane. Only minor non-noisy maintenance activity will be seldom held in the lot.
					

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 13:00-18:00 21:00-05:00 10:00-18:00		•Engine testing •Leading to use loader •Hammering •Electric saw •Forklifting, loading & unloading	As advised by other workshop's operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: • Engine testing: 30 min. •Leading to use loader: 30 min. •Hammering : <1 min. •Electric saw: 2 min. •Forklifting, loading & unloading: 2 min. As advised operator, the lot is mainly used for construction plants storage.
					
					

Noise Source ID: WC-85

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 13:00-18:00 21:00-05:00 10:00-18:00		•No noisy industrial activity has been identified.	As advised by other workshop's operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
					

Noise Source ID: WC-86

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 13:00-18:00 21:00-05:00 10:00-18:00	[REDACTED]	No noisy industrial activity has been identified.	As advised by other workshop's operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: WC-87

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 13:00-18:00 21:00-05:00 10:00-18:00	[REDACTED] [REDACTED]	•Gas welding (燒風煤)	As advised by workshop operator and based on site observation, there would be no operation during night-time period. Gas welding activity was not operated during site inspections.

Noise Source ID: WC-88

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	30 Aug 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	[REDACTED]	No noisy industrial activity has been identified.	As advised by other workshop's operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Noise Source ID: WC-89

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•Forklifting, loading & unloading	As advised by operator and based on site observation, there would be no operation during night-time period. No noisy industrial activity was observed during site inspections. One forklifting machine was not operated during site inspections.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: WC-90

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	30 Aug 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00		•Forklifting machine X 2 nos.	As advised by other workshop's operator and based on site observation, there would be no operation during night-time period. No noisy industrial activity was observed during site inspections. Two forklifting machines were not operated during site inspections.

Noise Source ID: WC-91

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	30 Aug 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	[REDACTED]	No noisy activity has been observed	The Iol cannot be accessed during site inspections. As advised by other workshop's operators and based on site observation, there would be no operation during night-time period.

Noise Source ID: WC-92

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	30 Aug 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	10:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00		•Loader X 3 nos. •Hammering	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Loader: 30 min. •Hammering: 1 min. Two loaders were not operated during site inspections. As advised by the operator, three loaders will be operated together during peak season.

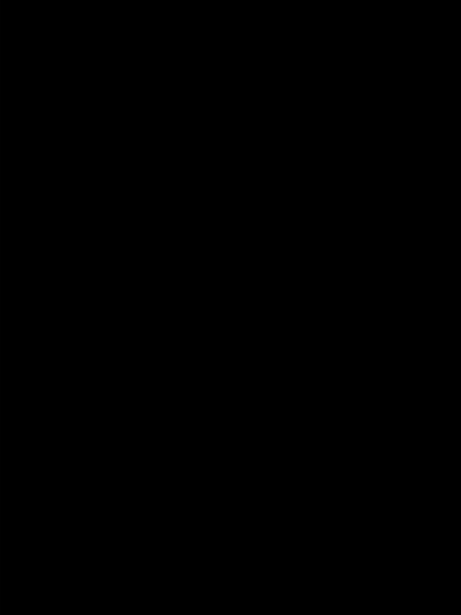
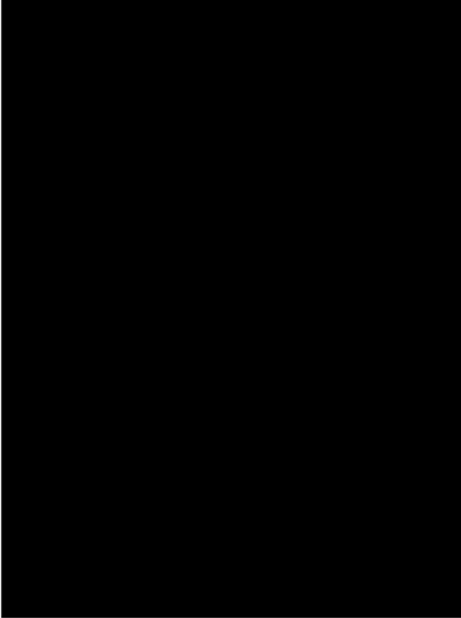
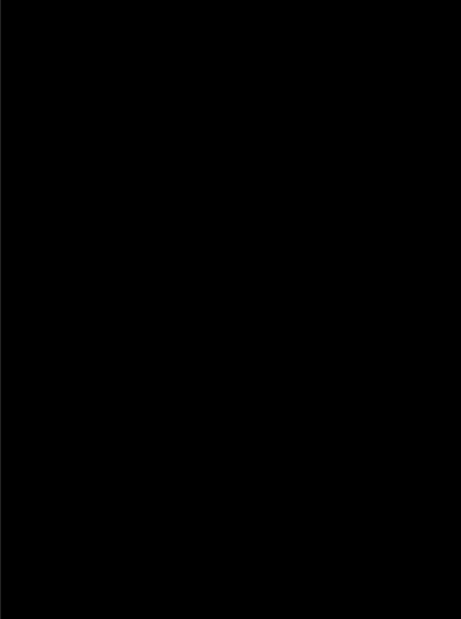
Noise Source ID: WC-93

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•Exhaust Fan X 2 nos. •Forklifting, loading & unloading	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Exhaust Fans: 30 min. One forklifting machine was not operated during site inspections.
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Noise Source ID: WC-94

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 10:00-18:00	[REDACTED]	•Sanding materials •Hammering •Gas welding	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Sanding materials: 2 min. •Hammering: 2 min . •Gas welding: 15 min. Noise measurement was not allowed by operator.

Noise Source ID: WC-95

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 10:00-18:00		•Hammering •Electric screw •Air gun (pressurized hosing) •Assembling wheel with pneumatic screw	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate noisy activities operation time (within 30 min.) advised by the operator is as follows: •Hammering: 5 min. •Electric screw : 5 min. •Air gun (pressurized hosing): 10 min. •Assembling wheel with pneumatic screw : 5 min. Hammering, electric screw, air gun (pressurized hosing) and assembling wheel with pneumatic screw were not operated during site inspections.
  					

Noise Source ID: WC-96

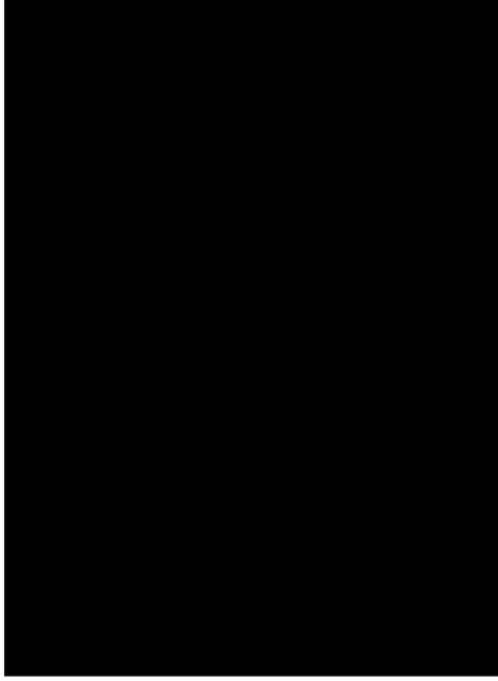
Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	25 Sept 2012 28 Sept 2012 3 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 10:00-18:00		•No noisy industrial activity has been identified.	As advised by residents and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.

Noise Source ID: WC-97

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012	21:00-04:00	[REDACTED]	•Trolley •Dropping Steel	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Trolley: 10 min. •Dropping Steel: <1 min.
[REDACTED]	28 Sept 2012	10:00-18:00			
[REDACTED]	3 Oct 2012	21:00-05:00			
[REDACTED]	8 Oct 2012	10:00-18:00			

Noise Source ID: WC-98

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012	21:00-04:00	[REDACTED]	•No noisy industrial activity has been identified.	As advised by operator and based on site observation, no noisy industrial activity was observed in both daytime and night-time period.
[REDACTED]	28 Sept 2012	10:00-18:00			
	3 Oct 2012	21:00-05:00			
	8 Oct 2012	10:00-18:00			



Noise Source ID: WC-99

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED]	•Pump	Based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Pump: 5 min.
[REDACTED]					

Noise Source ID: WC-100

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED] [REDACTED]	•Hammering •Air gun (pressurized hosing) •Electric Screw	Based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Hammering: occasional and 5 min. •Air gun (pressurized hosing): 20 min. •Electric Screw: 1 min.
[REDACTED]					

Noise Source ID: WC-101

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	[REDACTED] [REDACTED]	•Hammering •Air gun (pressurized hosing) •Electric Screw	Based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Hammering: occasional and 5 min. •Air gun (pressurized hosing): 10 min. •Electric Screw: 2 min. Noise measurement was not allowed by operator.
[REDACTED]					

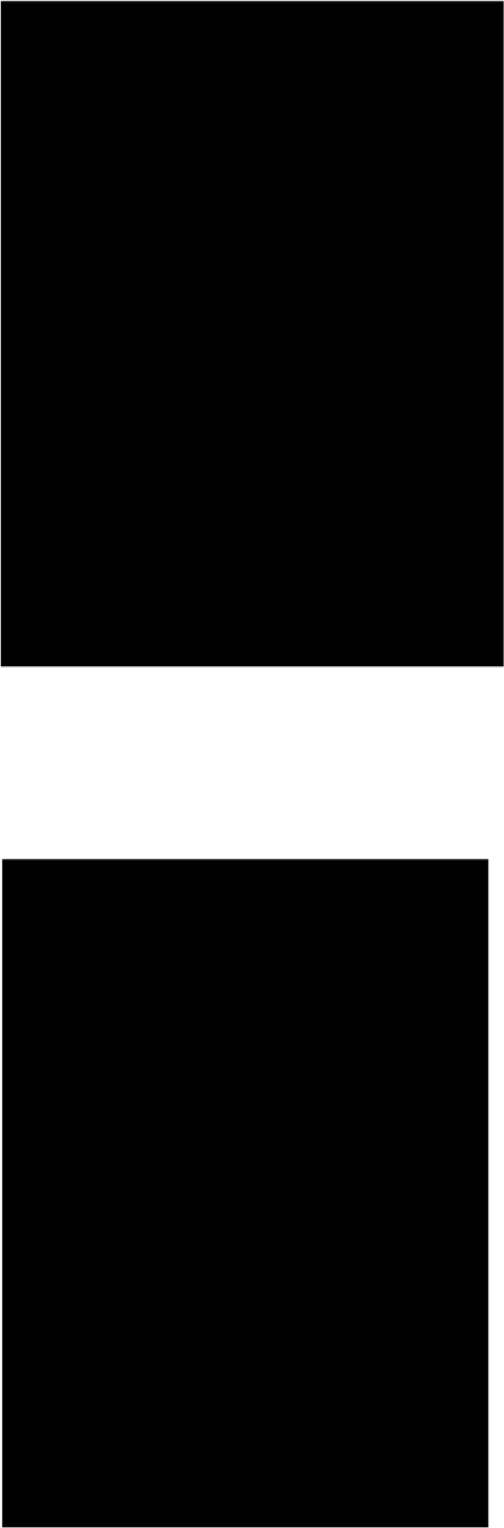
Noise Source ID: WC-102

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
██████████ ██████████	25 Sept 2012 28 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	21:00-04:00 10:00-18:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00	██████████ ██████████	•Air gun (pressurized hosing) •Electric Screw •Hammering •Assembling wheel with pneumatic screw	Based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Air gun (pressurized hosing): 5 min. •Electric Screw: 2 min. •Hammering: <1 min. •Assembling wheel with pneumatic screw: 2 min. Noise measurement was not allowed by operator.

Noise Source ID: WC-103

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	2 Sept 2012	13:00-18:00	[REDACTED]	•No noisy industrial activity has been identified.	Based on site observation, there would be no noisy operation during night-time period. No noisy industrial activity has been observed during site inspections.
[REDACTED]	25 Sept 2012	21:00-04:00			
[REDACTED]	3 Oct 2012	21:00-05:00			
[REDACTED]	4 Oct 2012	13:00-18:00			
[REDACTED]	5 Oct 2012	13:00-18:00			
[REDACTED]	8 Oct 2012	10:00-18:00			

Noise Source ID: WC-104

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	2 Sept 2012 25 Sept 2012 3 Oct 2012 4 Oct 2012 5 Oct 2012 8 Oct 2012	13:00-18:00 21:00-04:00 21:00-05:00 13:00-18:00 13:00-18:00 10:00-18:00		•Hammering •Electric screw •Air gun (pressurized hosing) •Assembling wheel with pneumatic screw	As advised by operator and based on site observation, there would be no operation during night-time period. The approximate observed operation time (within 30 min.) is as follows: •Hammering: <1 min. •Electric Screw: 2 min. •Air gun (pressurized hosing): 5 min. •Assembling wheel with pneumatic screw: 2 min. Noise measurement is not allowed to by operator.
					

Noise Source ID: WC-105

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
██████████	2 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	13:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	██████████ ██████████	•Hammering •Air gun (pressurized hosing) •Assembling wheel with pneumatic screw	As advised by operator and based on site observation, there would be no operation during night-time period. Hammering, air gun (pressurized hosing) and assembling wheel with pneumatic screw were not operated during site inspections.

Noise Source ID: WC-106

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
[REDACTED]	2 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	13:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00	[REDACTED] [REDACTED]	•Hammering •Air gun (pressurized hosing) •Assembling wheel with pneumatic screw	As advised by operator and based on site observation, there would be no operation during night-time period. Hammering, air gun (pressurized hosing) and assembling wheel with pneumatic screw were identified. Noise measurement and observation were not allowed by operator.

Noise Source ID: WC-107

Name	Date of observation	Time of observation	Type of industrial operation	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
	2 Sept 2012 25 Sept 2012 3 Oct 2012 8 Oct 2012	13:00-18:00 21:00-04:00 21:00-05:00 10:00-18:00		•Hammering •Electric screw •Air gun (pressurized hosing) •Assembling wheel with pneumatic screw	As advised by operator and based on site observation, there would be no operation during night-time period. Hammering, electric screw, air gun (pressurized hosing) and assembling wheel with pneumatic screw were identified. Noise measurement and observation were not allowed by operator.

Appendix 2.12.7

Photographs on assessment
points for noise assessment
(NAPs)

NSR No.	NAP	Location	Photo
N1 - Tai Tseng Wai			
N1	R001	Tai Tseng Wai Block 92	
N1	R002	Tai Tseng Wai Block 104	
N1	R003	Tai Tseng Wai Block 123	
N1	R004	Lux Court Block A	

NSR No.	NAP	Location	Photo
N1	R005	Tai Tseng Wai Block 92A	
N1	R006	Tai Tseng Wai Block 170	
N2 - Shing Uk Tsuen			
N2	R021	Shing Uk Tsuen Block 51A	
N2	R022	Shing Uk Tsuen Block 46A	

NSR No.	NAP	Location	Photo
N2	R023	Shing Uk Tsuen Block 49F	
N3 - Ng Uk Tsuen			
N3	R041	Ng Uk Tsuen Block 11	
N4 - Jade Court			
N4	R061	Jade Court Block A	
N7 - Leon Court			
N7	R121	Leon Court Block 1	

NSR No.	NAP	Location	Photo
N8 - Fuk Hing Garden & Fuk Hing Tsuen			
N8	R141	Fuk Hing Garden Block 142	
N8	R142	Fuk Hing Garden Block 206	
N9 - Fuk Fai Garden & Meon Court			
N9	R161	Chun Yick Garden Block 179	
N9	R162	Chun Yick Garden Block 186	

NSR No.	NAP	Location	Photo
N10 - Sai Tau Wai & Lam Uk Tsuen			
N10	R181	Sai Tau Wai	
N12 - Yuk Yat Garden			
N12	R221	Yuk Yat Garden Block 28	
N12	R222	Yuk Yat Garden Block 12	
N13 - Tung Tau Wai			
N13	R241	Lam Uk Tsuen Block 3B	

NSR No.	NAP	Location	Photo
N13	R242	Tung Tau Wai San Tsuen Block 1	
N15 - Yeung Uk San Tsuen			
N15	R281	Yeung Uk San Tsuen Block 1	
N15	R282	Yeung Uk San Tsuen Block 80	
N15	R283	Yeung Uk San Tsuen Block 10	

NSR No.	NAP	Location	Photo
N16 - Long Ping Estate			
N16-A	R301	Twghs. Lo Kon Ting Memorial College	
N16-B	R302	POH. Tang Pui King Memorial College	
N16	R303	Wah Ping House	
N16-C	R304	Tung Koon Primary School	

NSR No.	NAP	Location	Photo
N16	R305	Kam Ping House	
N16	R306	Chu Ping House	
N16-D	R307	Yuen Long Long Ping Estate Wai Chow School	
N16-E	R308	AD&FD of POHL Leung Sing Tak School	

NSR No.	NAP	Location	Photo
N16	R309	Yuet Ping House	
N16	R310	Hor Ping House	
N16	R311	Hor Ping House	

NSR No.	NAP	Location	Photo
N16	R312	Yuk Ping House	
N16-F	R313	Yan Oi Tong Tin Ka Ping Care and Attention Home	
N17 - Shui Tin Tsuen			
N17	R321	Shui Tin Tsuen Block 80	
N17	R322	Shui Tin Tsuen Block 74	

NSR No.	NAP	Location	Photo
N18 - Wing Ning Tsuen & Residential Premises along Yung Yuen Road			
N18	R341	Residential Premises near Long Ping Road	
N18	R342	Long Ping Road Block 102	
N18	R343	Wing Ning Tsuen	
N18	R344	Wing Ning Tsuen Block 82	

NSR No.	NAP	Location	Photo
N18	R345	Residential Premises near Yung Yuen Road	
N18	R346	Yung Yuen Road Block 33	
N19 - Fung Chi Tsuen			
N19	R361	Fung Chi Tsuen Block 26	
N19-A	R362	Tin Hau Temple	

NSR No.	NAP	Location	Photo
N19	R363	Monastery	
N19	R364	Fung Chi Tsuen Block 12A	
N19	R365	Fung Chi Tsuen Block 100	
N20 - Residential Premises south of Long Ping Station			
N20	R381	Hang Fuk Building	

NSR No.	NAP	Location	Photo
N20	R382	Fook Shun Buildings	
N20	R383	Fook Cheong Building	
N20	R384	Fu Loy Garden	
N21 - Shui Pin Wai Estate			
N21	R401	Shui Pin Wai Estate Ying Shui House	

NSR No.	NAP	Location	Photo
N21	R402	Shui Pin Wai Estate San Shui House	
N22 - Chun Hing San Tsuen			
N22	R421	Chun Hing San Tsuen Block 45	
N22	R422	Chun Hing San Tsuen Block 1	
N22	R423	Chun Hing San Tsuen Block 20	

NSR No.	NAP	Location	Photo
N22	R424	Shui Pin Wai Block 6	
N22	R425	Shui Pin Wai	

N23 - Villa by the Park			
N23	R441	Villa by the Park Block 2	
N24 - Pak Fa Tsuen			

NSR No.	NAP	Location	Photo
N24	R461	Pak Fa Tsuen	

Appendix 2.12.8

Proposed Area Sensitivity
Ratings for representative NAPs
for fixed noise and rail noise
impact assessment

List of representative NSRs for fixed noise assessment

Title: Wang Chau for the Scenario with YLIEE

NSR No. [1]	Assessment Point	Description	Use	Number of Storey	Type of Area Containing NSR [2]	Degree to which NSR is affected by Influencing Factor (IF)	IF [3]	Distance from Industrial Estate (YLIE / YLIEE)	Area Sensitivity Rating (ASR)	Figure Nos.
N1	R004	Block A, Lux Court	Village	3	-	-	N/A	10m	C [6]	Figure 2.12.1.5a
N2	R021	Block 51A, Shing Uk Tsuan	Village	3	-	-	N/A	10m	C [6]	Figure 2.12.1.5a
N8	R141	Block 142, Fuk Hing Garden	Village	3	-	-	N/A	50m	C [6]	Figure 2.12.1.5b
N8	R142	Block 206, Fuk Hing Garden	Village	3	-	-	N/A	60m	C [6]	Figure 2.12.1.5b
N9	R161	Block 179, Chun Yick Garden	Village	3	-	-	N/A	140m	B [6]	Figure 2.12.1.5b
N9	R162	Block 186, Chun Yick Garden	Village	3	-	-	N/A	110m	B [6]	Figure 2.12.1.5b
N10	R181	Village house, Sai Tau Wai	Village	3	-	-	N/A	240m	B [6]	Figure 2.12.1.5b
N27	[2]	Proposed PHD	Residential	[2]	(iv) [4]	[2]	[2]	[2]	[2]	[2]

Notes:

[1] Existing NSRs except the Proposed PHD within southern part of the Wang Chau site area.

[2] To be determined.

[3] Refer to Technical Memorandum for the Assessment of Noise from Places other than Domestic Premises, Public Places or Construction Sites Section 2.3.4

(i) Rural area, including country parks or village type developments; (ii) Low density residential area consisting of low-rise or isolated high-rise developments; (iii) Urban area; (iv) Area other than those above

[4] "Area other than those above" as the southern part of the Wang Chau site would be a public housing development with high-rise building blocks.

[5] For roads, reference has been made on The Annual Traffic Census 2011 for determination of IF.

[6] NSR is assigned an ASR of "C" if it is within 100m of a zone designated as "Industrial" or "Industrial Estate" on a statutory Outline Zoning Plan, or an ASR of "B" if it is between 100m and 250m from such a zone in accordance with the Technical Memorandum for the Assessment of Noise from places other than Domestic Premises, Public Places or Construction Sites.

List of representative NSRs for fixed noise assessment

Title: Wang Chau for the Scenario without YLIEE

NSR No. ^[1]	Assessment Point	Description	Use	Number of Storey	Type of Area Containing NSR ^[3]	Degree to which NSR is affected by Influencing Factor (IF)	IF ^[5]	Distance from Industrial Estate (YLIE / YLIEE)	Area Sensitivity Rating (ASR)	Figure Nos.
N27	[2]	Proposed PHD	Residential	[2]	(iv) ^[4]	[2]	[2]	[2]	[2]	[2]

Notes:

- [1] The Proposed PHD within southern part of the Wang Chau site area.
[2] To be determined.
[3] Refer to Technical Memorandum for the Assessment of Noise from Places other than Domestic Premises, Public Places or Construction Sites Section 2.3.4
 (i) Rural area, including country parks or village type developments; (ii) Low density residential area consisting of low-rise or isolated high-rise developments; (iii) Urban area; (iv) Area other than those above
[4] "Area other than those above" as the southern part of the Wang Chau site would be a public housing development with high-rise building blocks.
[5] For roads, reference has been made on The Annual Traffic Census 2011 for determination of IF.
[6] NSR is assigned an ASR of "C" if it is within 100m of a zone designated as "Industrial" or "Industrial Estate" on a statutory Outline Zoning Plan, or an ASR of "B" if it is between 100m and 250m from such a zone in accordance with the Technical Memorandum for the Assessment of Noise from places other than Domestic Premises, Public Places or Construction Sites.

List of representative NSRs for railway noise assessment

Title: Area Sensitivity Rating of NSRs for railway noise assessment

NSR No.	Assessment Point	Description	Use	Number of Storey	Type of Area Containing NSR [2]	Degree to which NSR is affected by Influencing Factor (IF)	IF[4]	Area Sensitivity Rating (ASR)	Figure Nos.
N27	[1]	Proposed PHD	Residential	[1]	(iv)[3]	Indirectly	Long Tin Road	B	[1]

Notes:

- [1] To be determined.
[2] Refer to Technical Memorandum for the Assessment of Noise from Places other than Domestic Premises, Public Places or Construction Sites Section 2.3.4
(i) Rural area, including country parks or village type developments; (ii) Low density residential area consisting of low-rise or isolated high-rise developments; (iii) Urban area; (iv) Area other than those above
[3] "Area other than those above" as the southern part of the Wang Chau site would be a public housing development with high-rise building blocks.
[4] For roads, reference has been made on The Annual Traffic Census 2011 for determination of IF.

Appendix 2.12.9

Land contamination - Aerial
photographs reviewed

1963



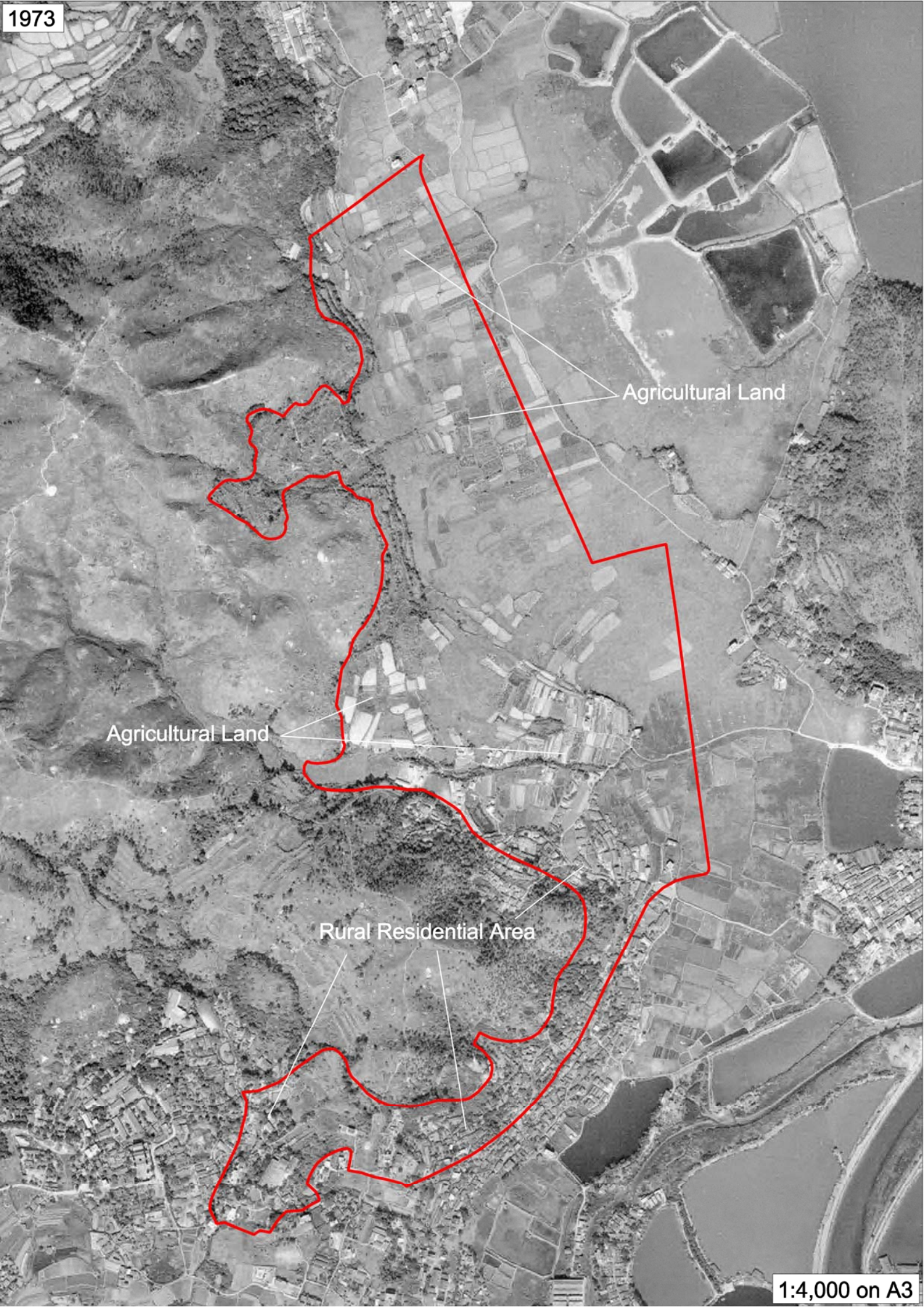
Agricultural Land

Rural Residential Area

Agricultural Land

1:4,000 on A3

1973



Agricultural Land

Agricultural Land

Rural Residential Area

1:4,000 on A3

1982



Agricultural Land

Yuen Long
Industrial Estate
(under construction)

Fuk Hi Road
(under construction)

Agricultural Land

Rural Residential Area

1:4,000 on A3

1993



Agricultural Land

Yuen Long
Industrial Estate
(partially occupied)

Fish Ponds

Fuk Hi Street

Industrial
Activity

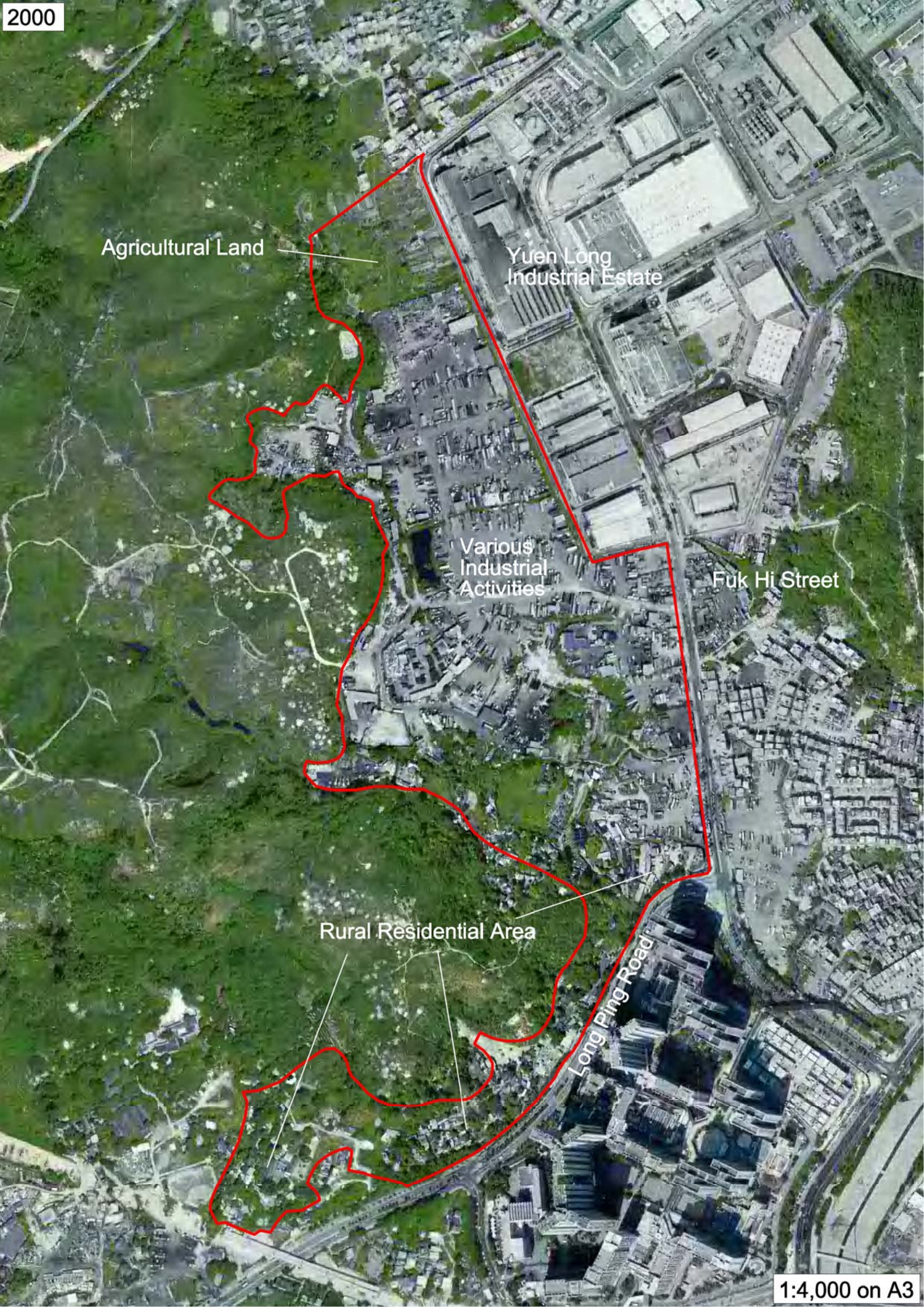
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Activity

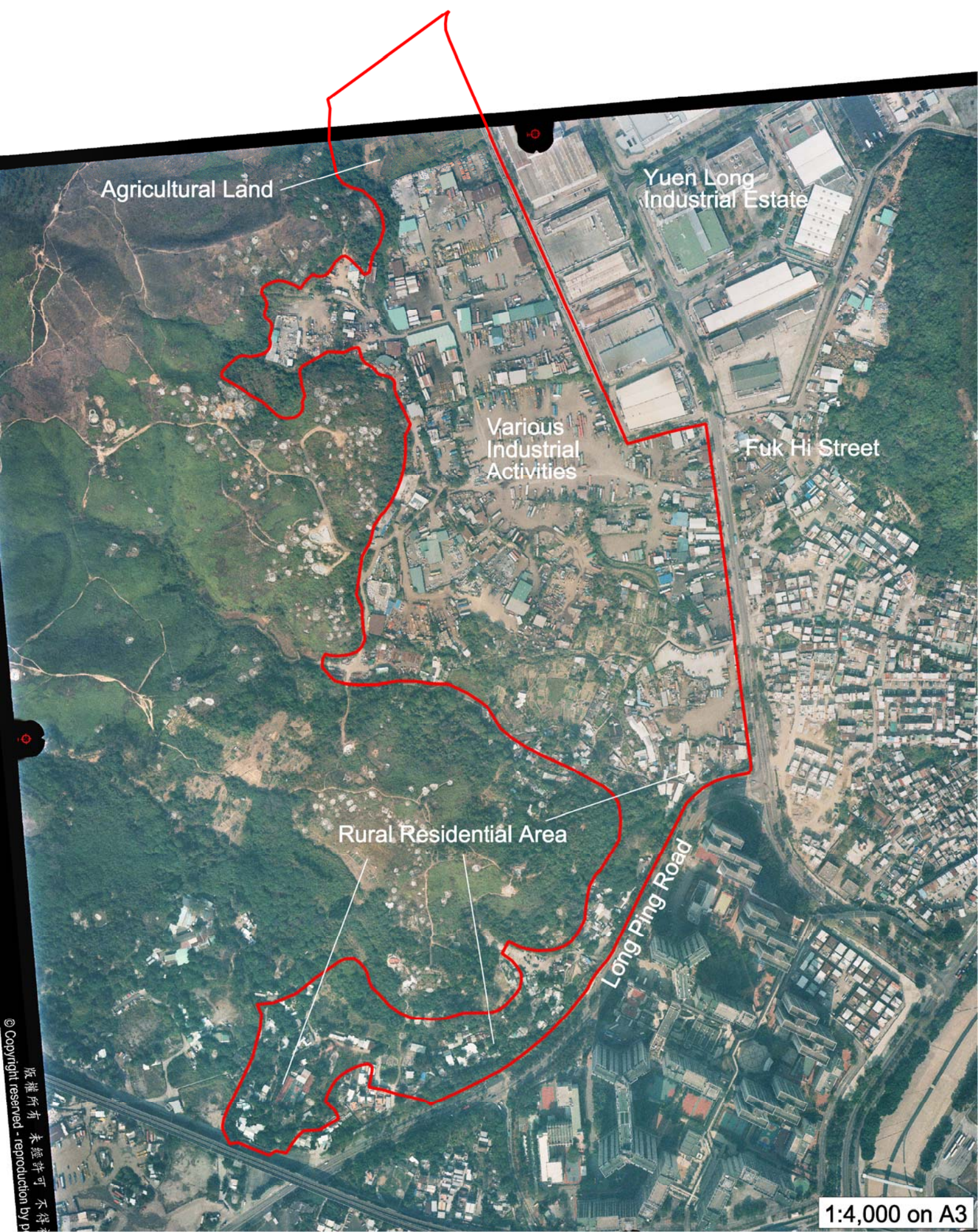
Rural Residential Area

Long Ping Road

1:4,000 on A3

2000





Agricultural Land

Yuen Long Industrial Estate

Various Industrial Activities

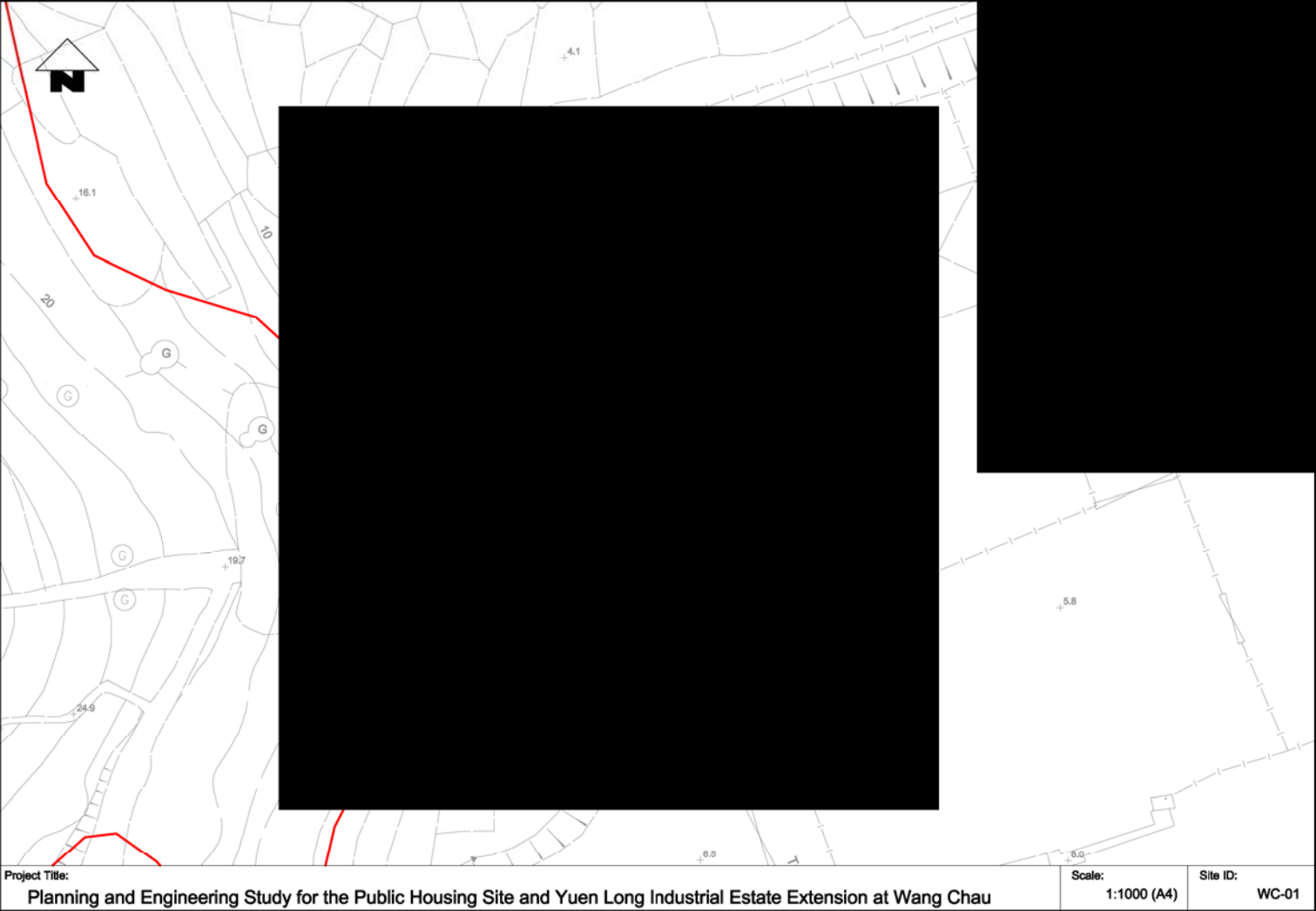
Fuk Hi Street

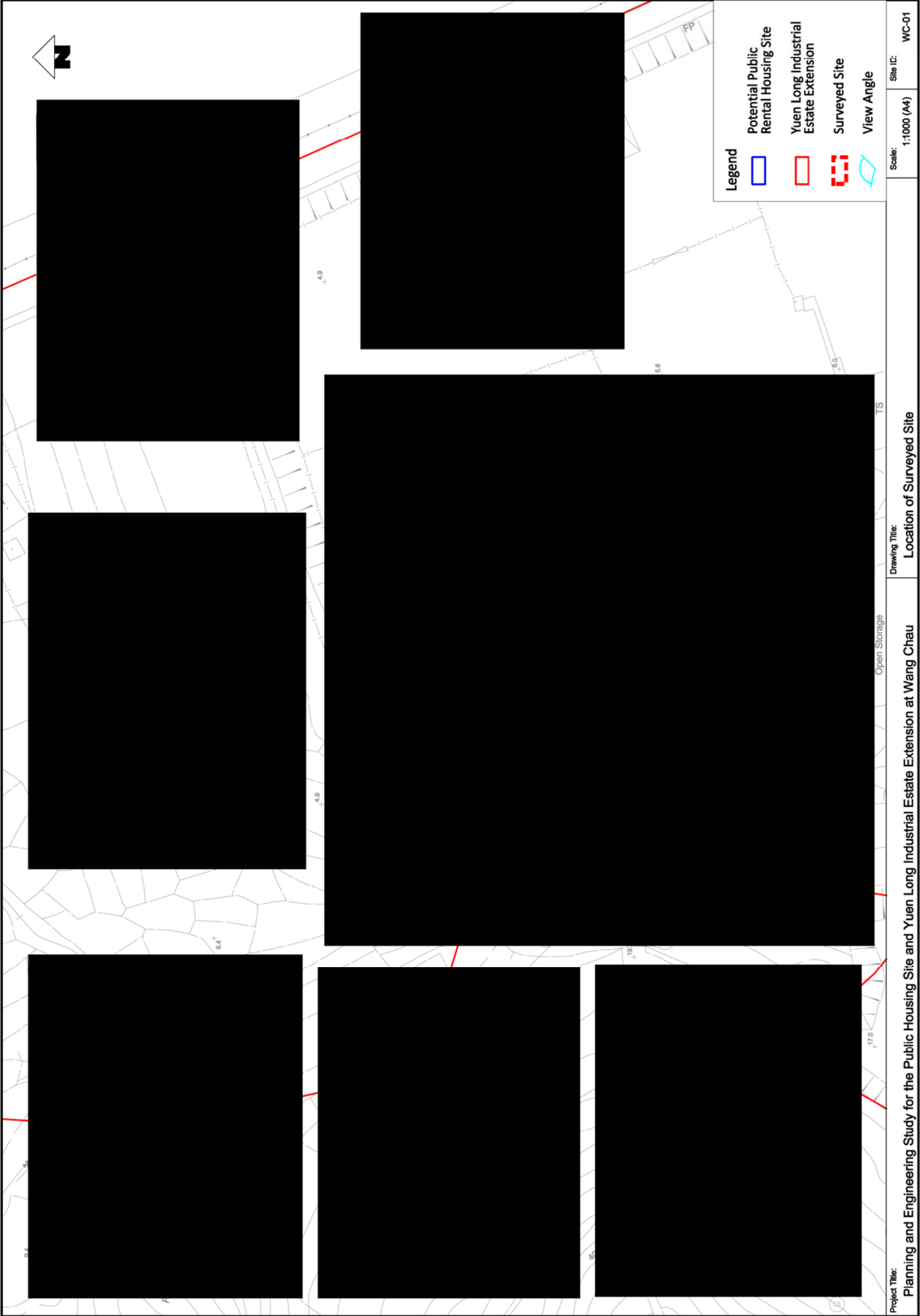
Rural Residential Area

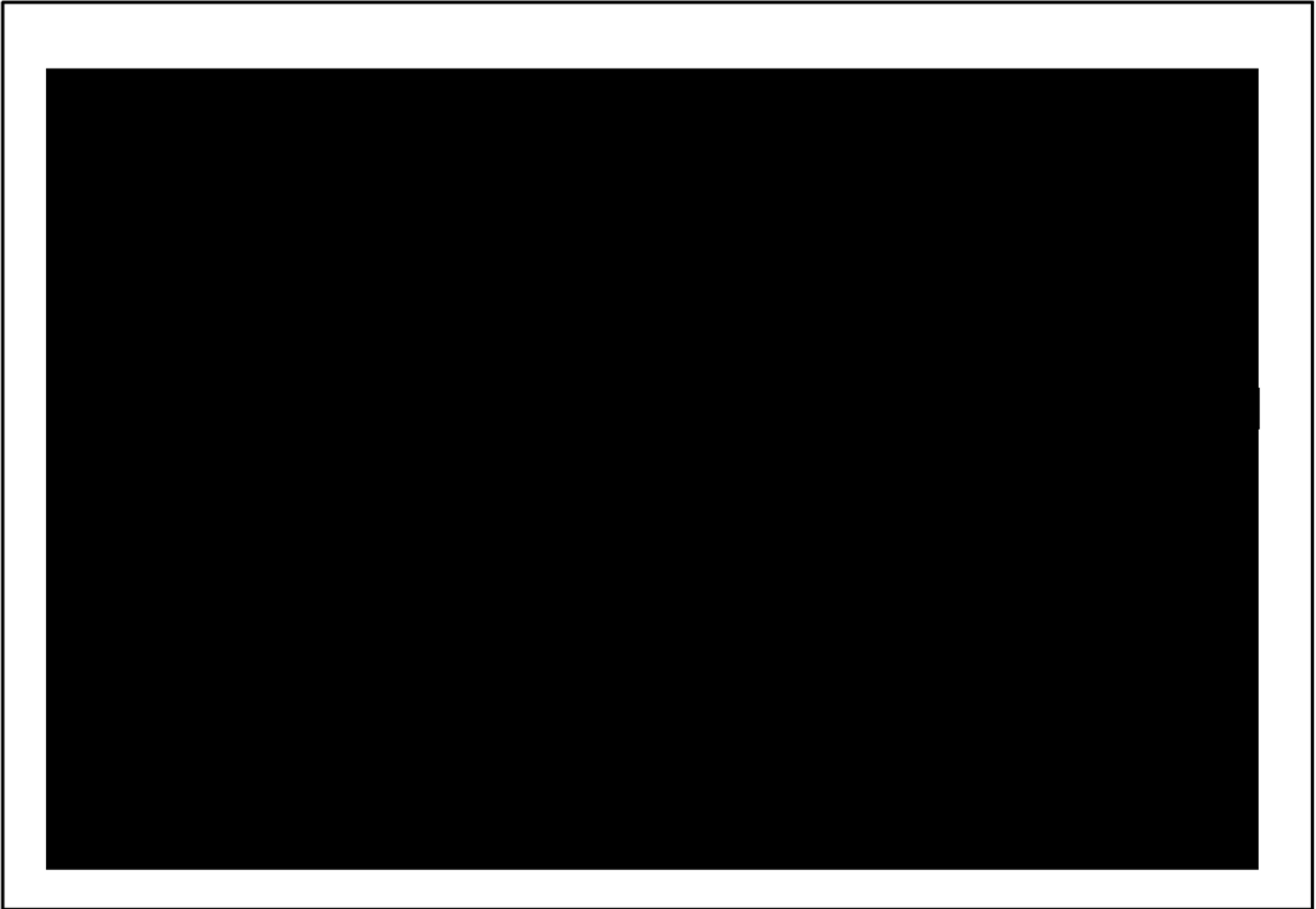
Long Ping Road

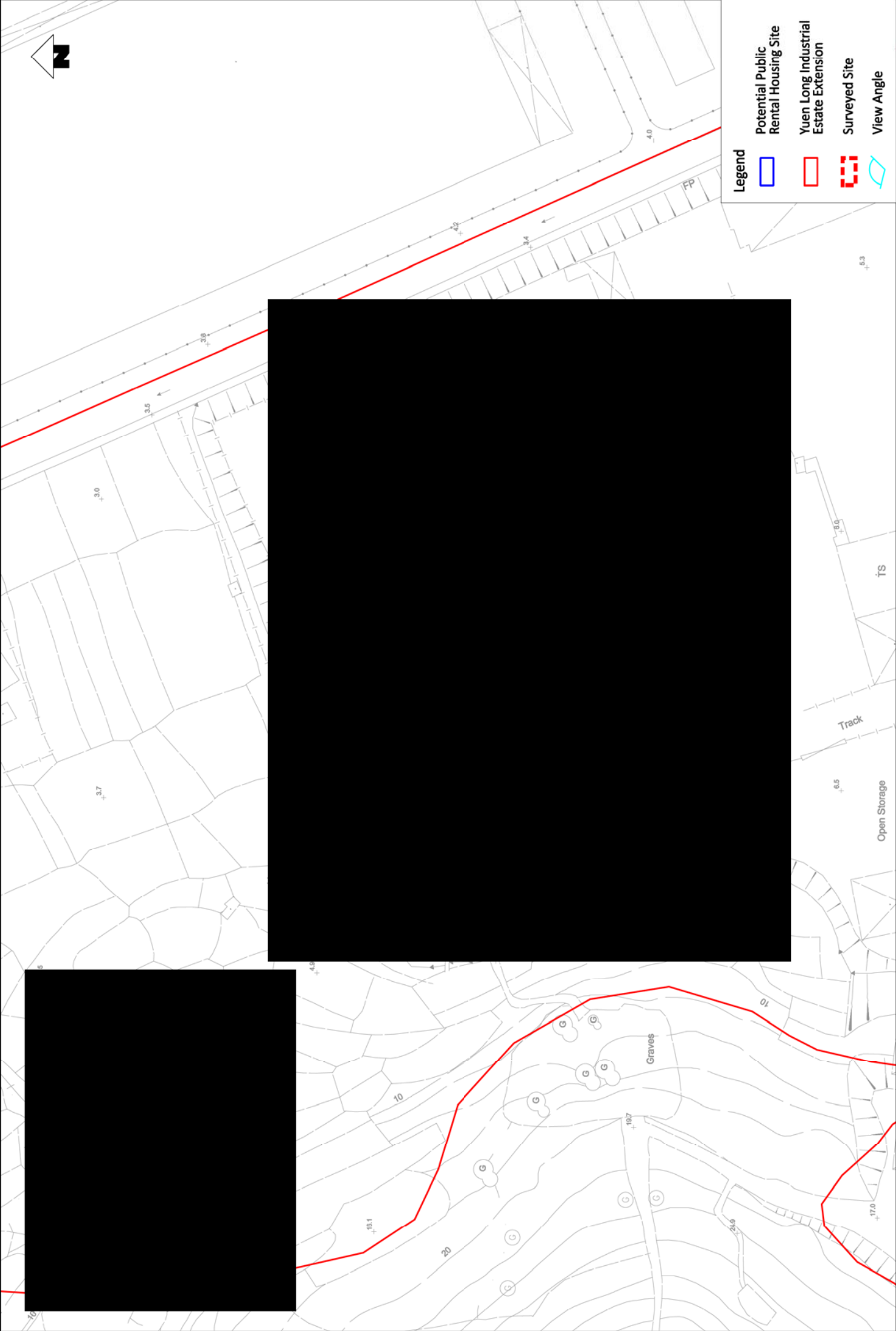
Appendix 2.12.10

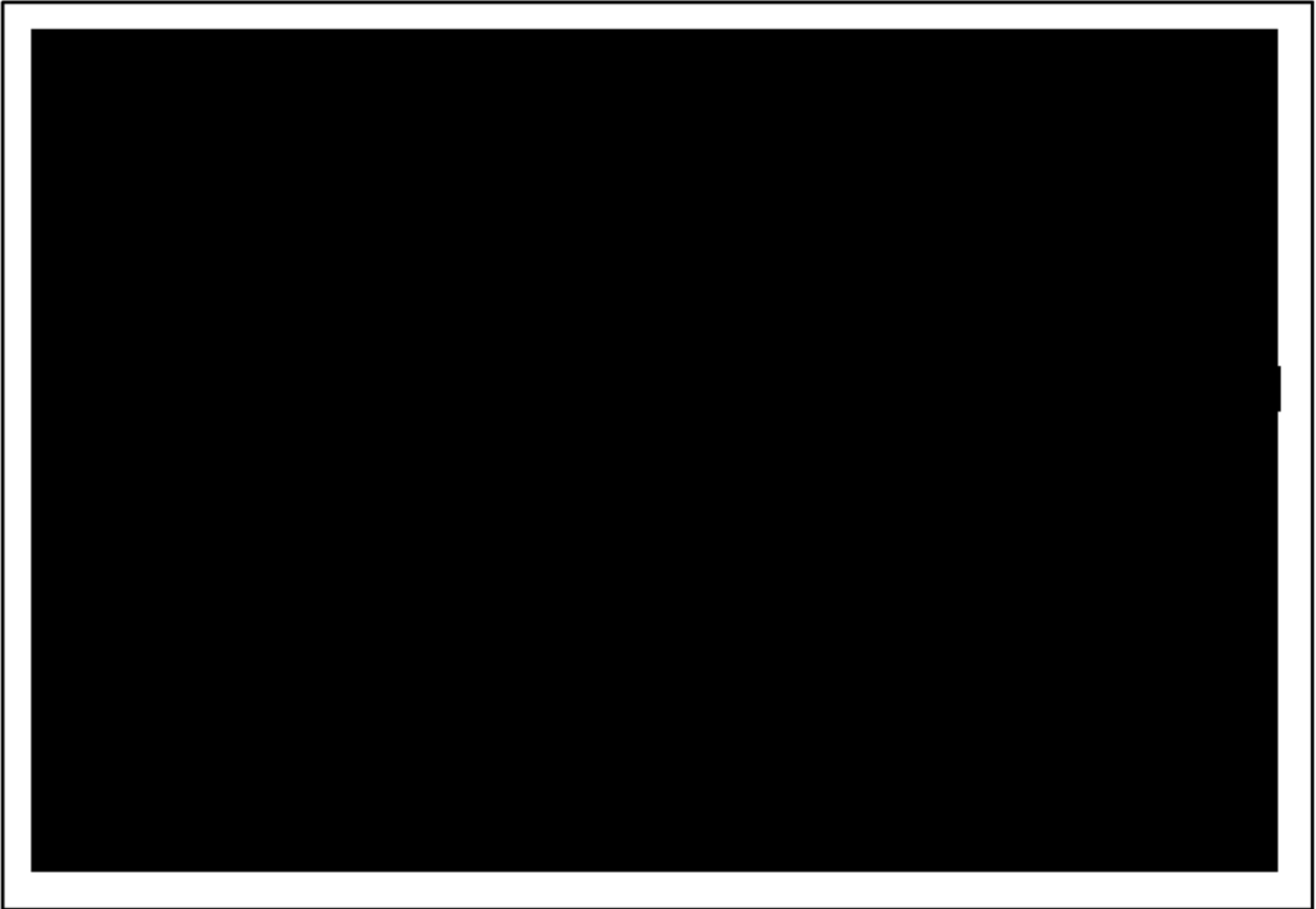
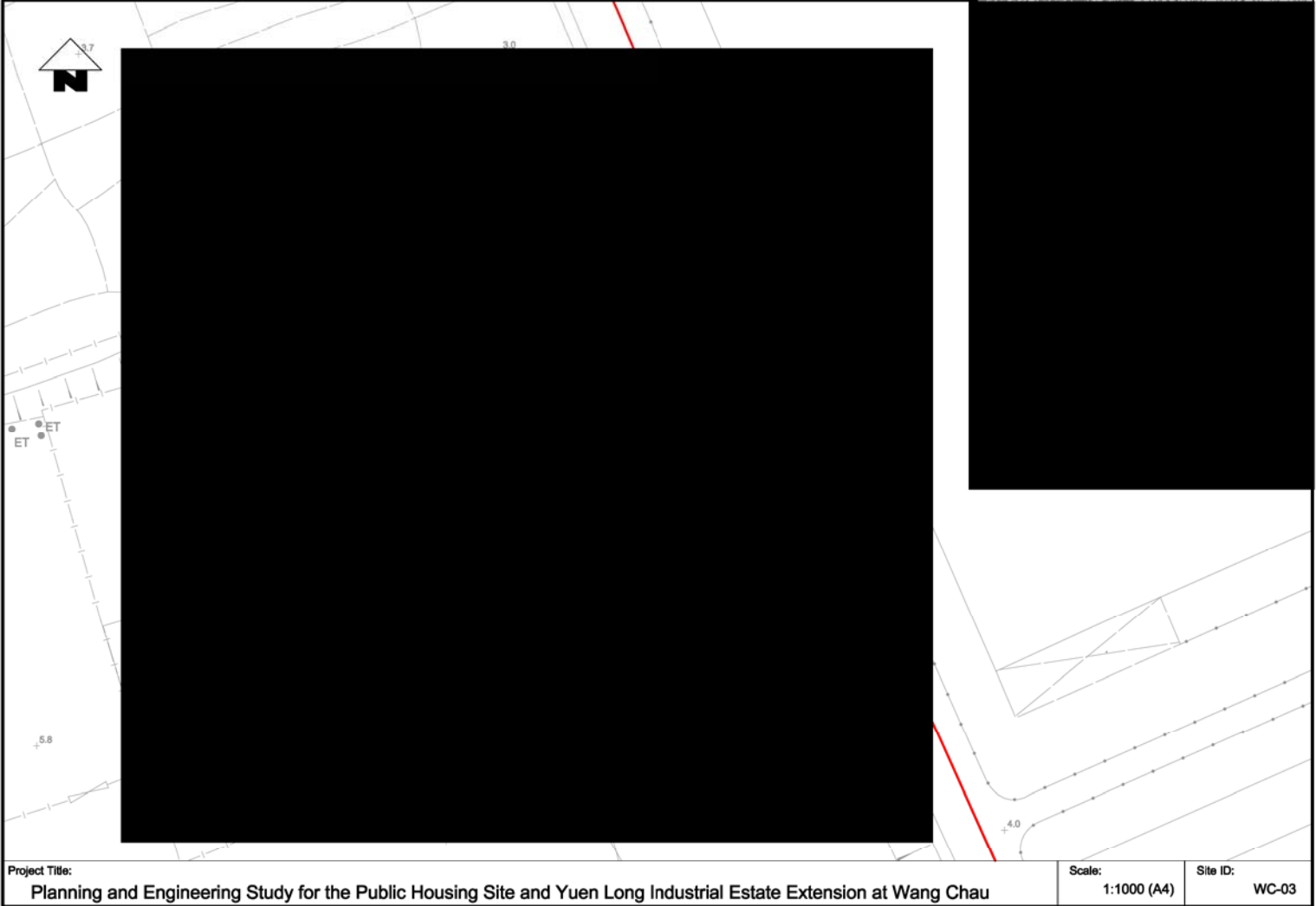
Photo records of the identified
sites of potentially land
contamination

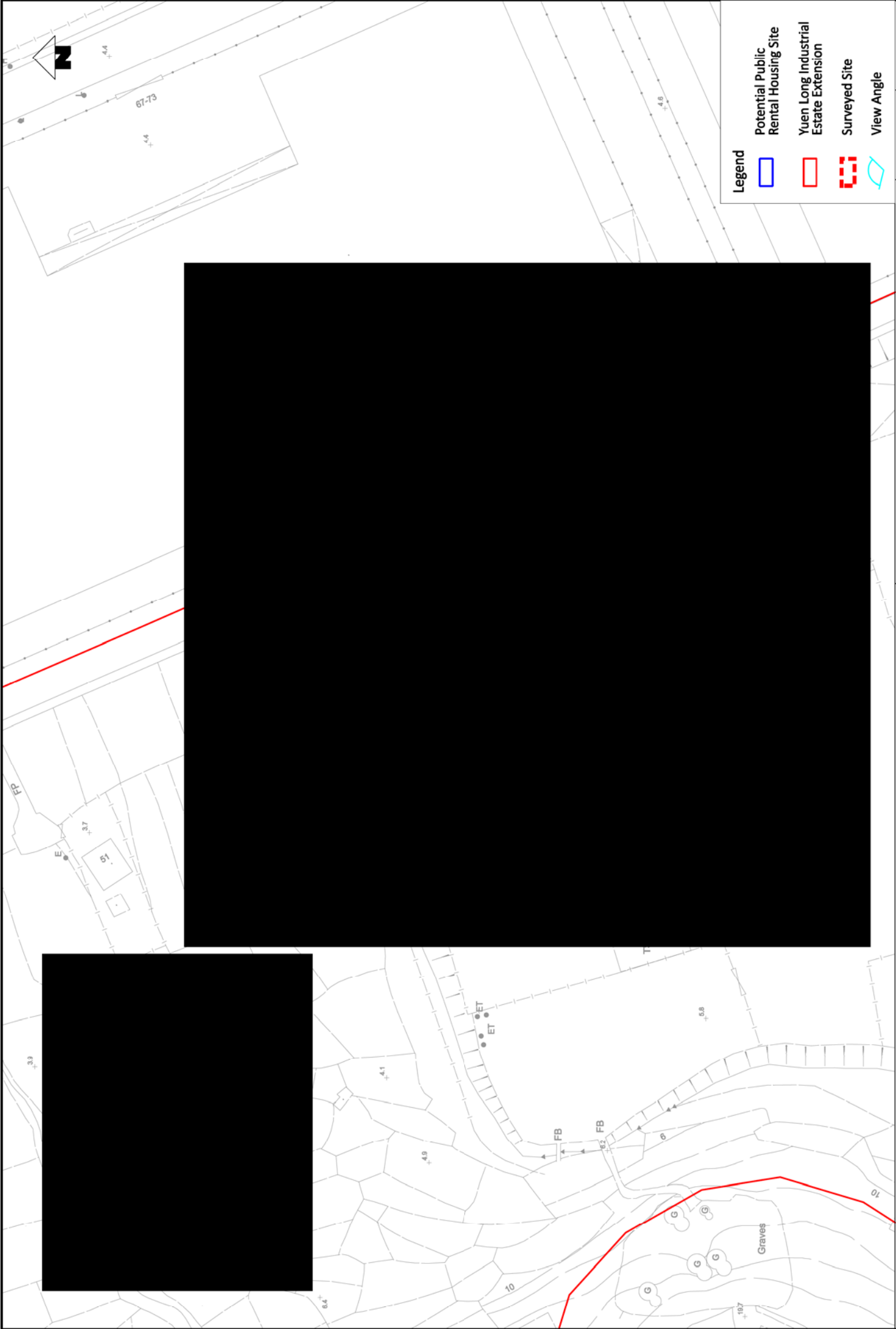


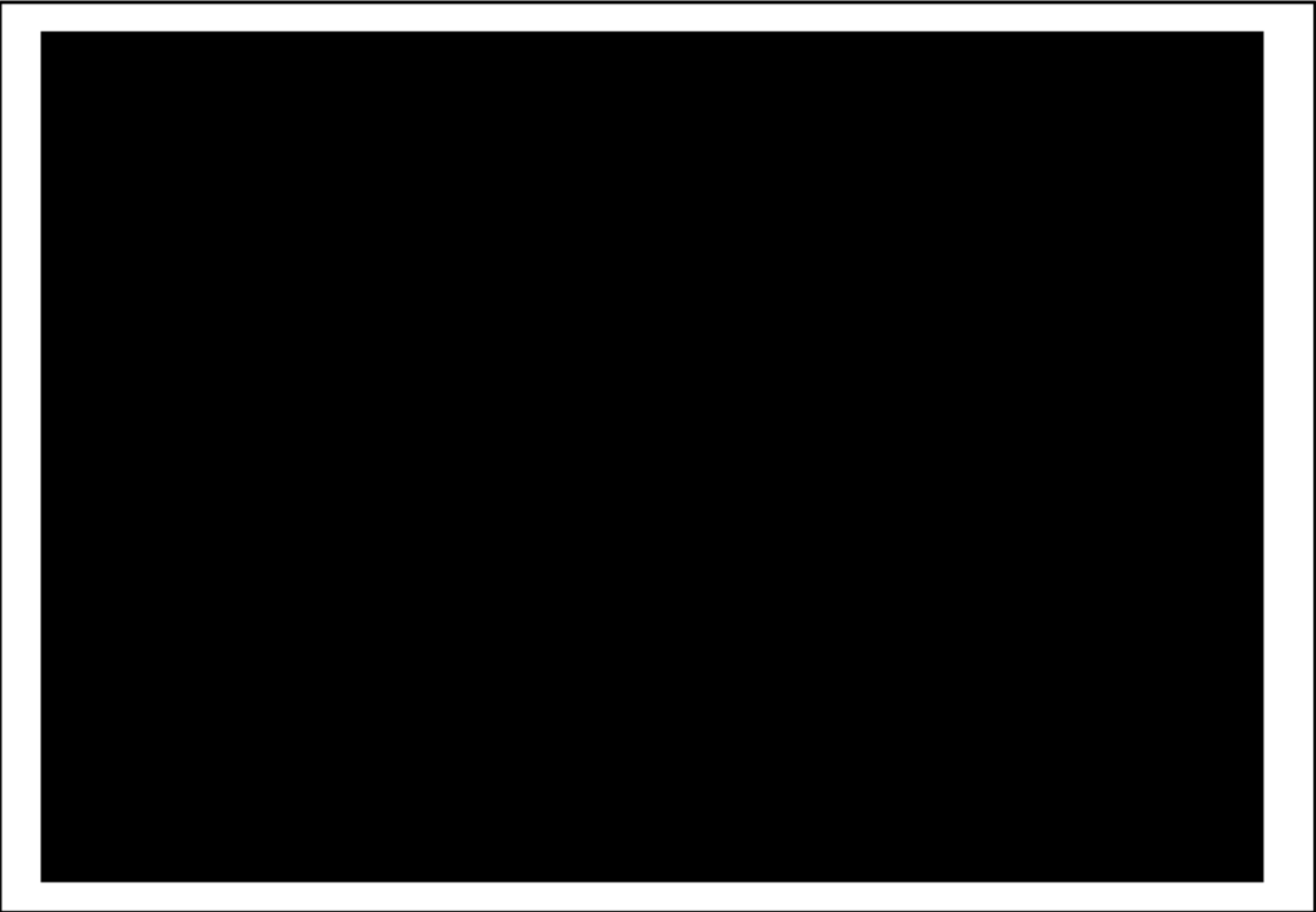
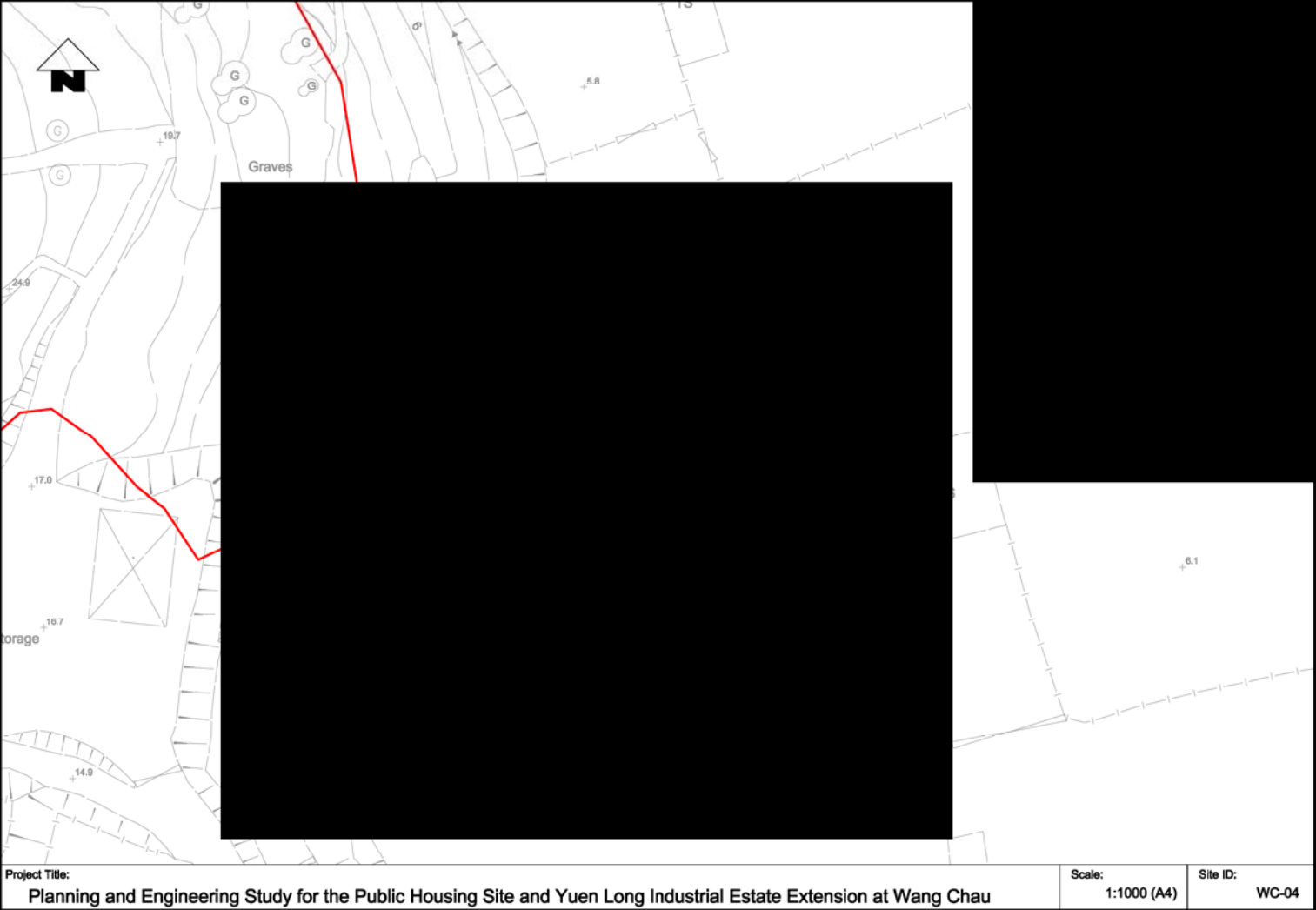


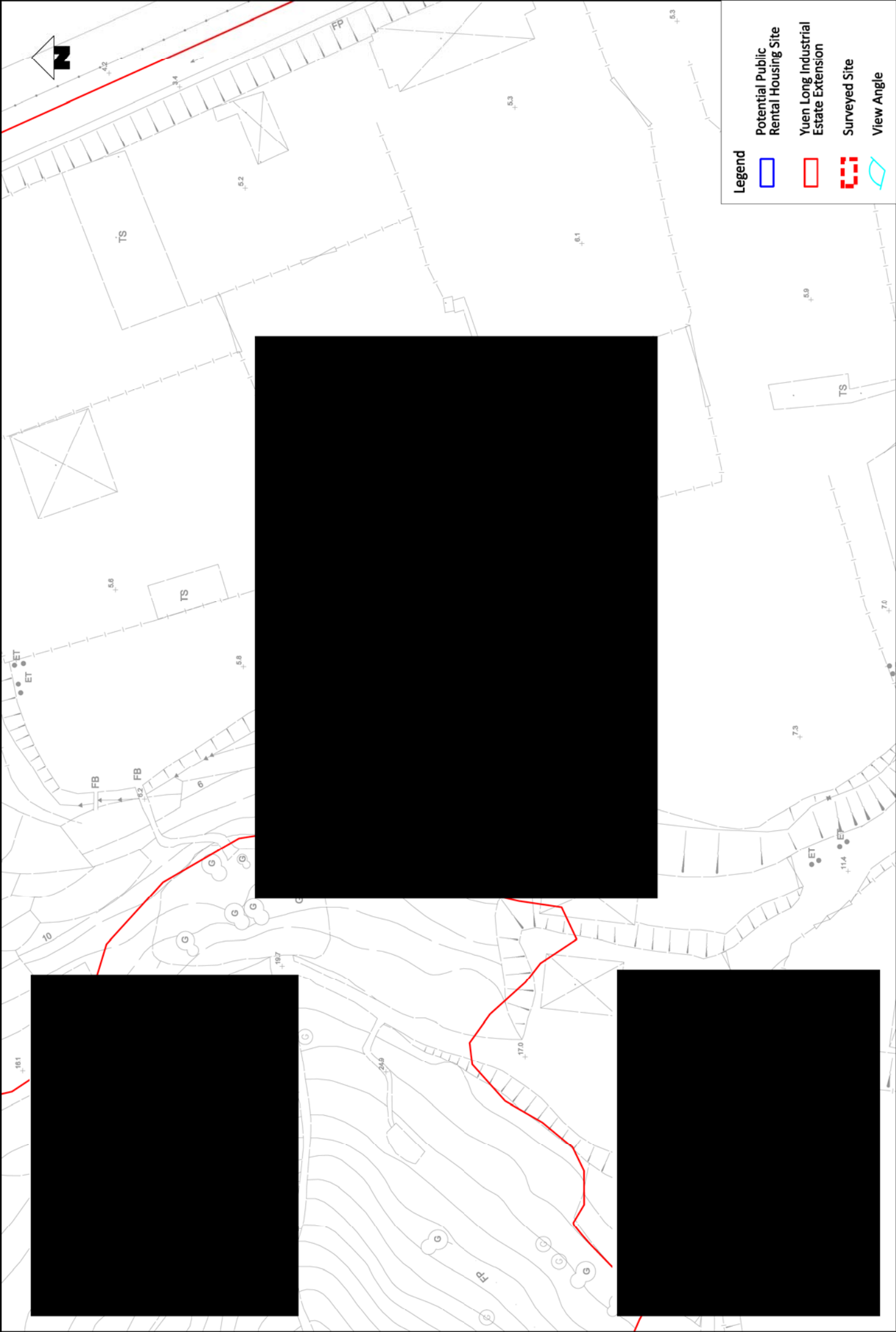


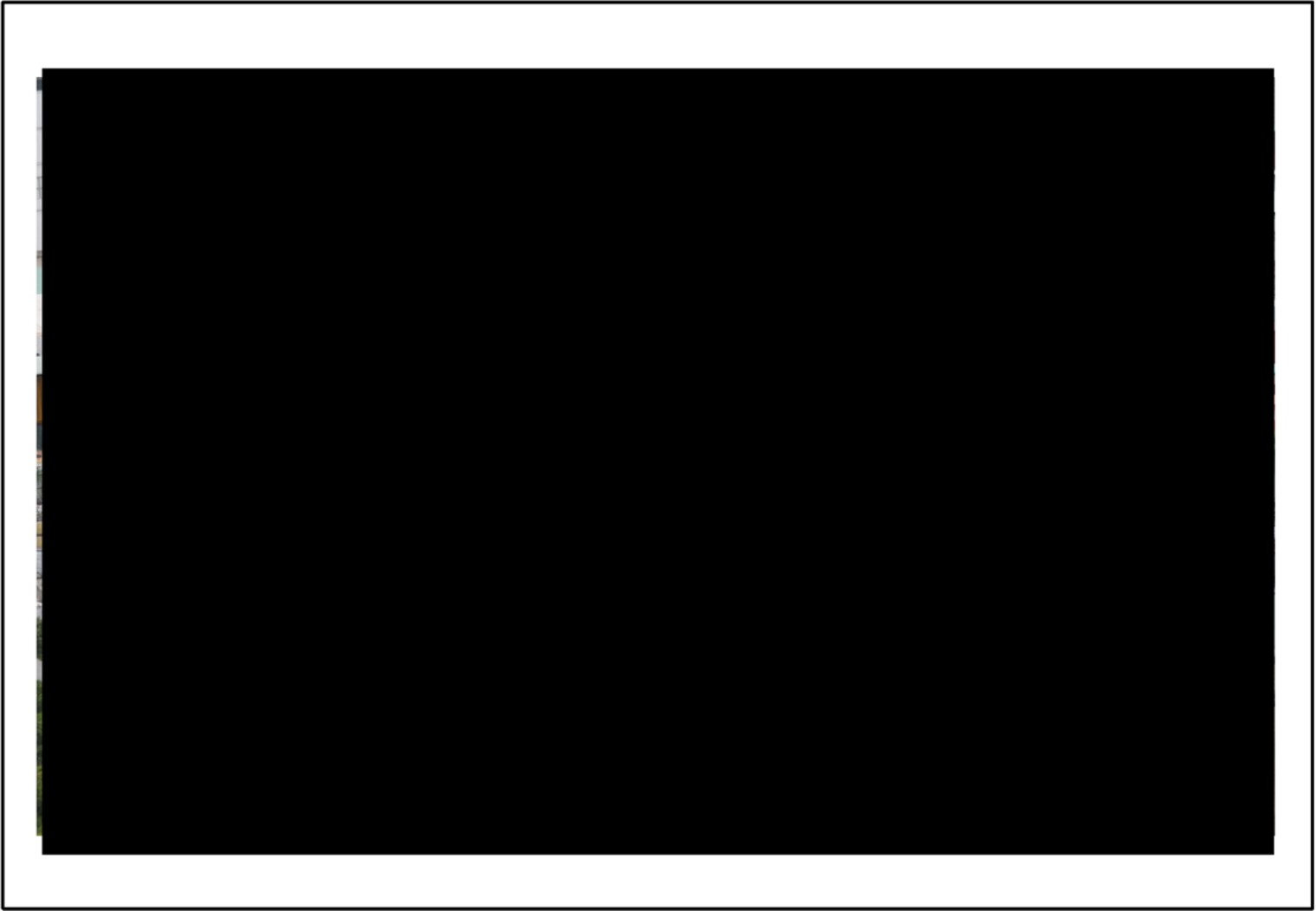
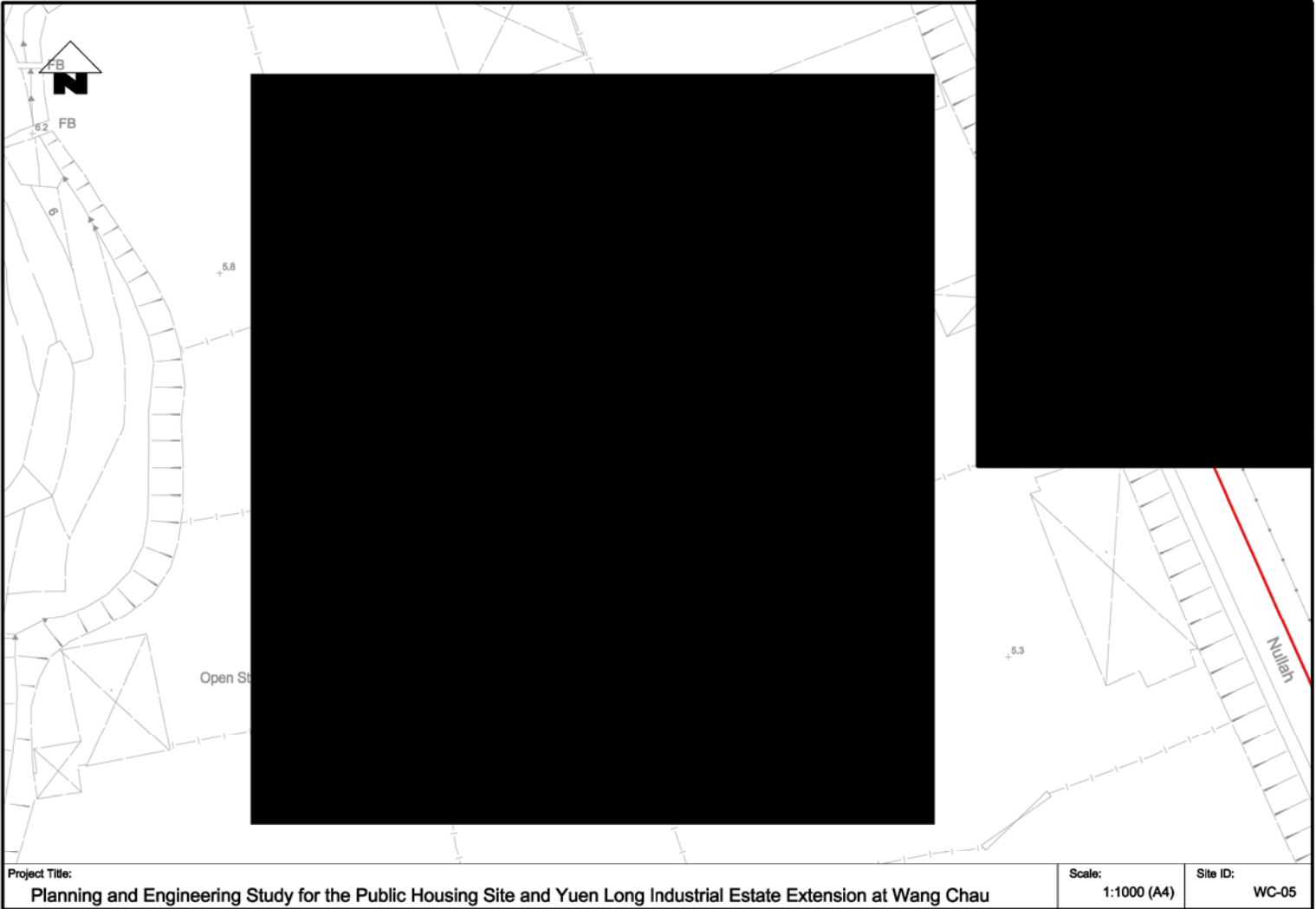


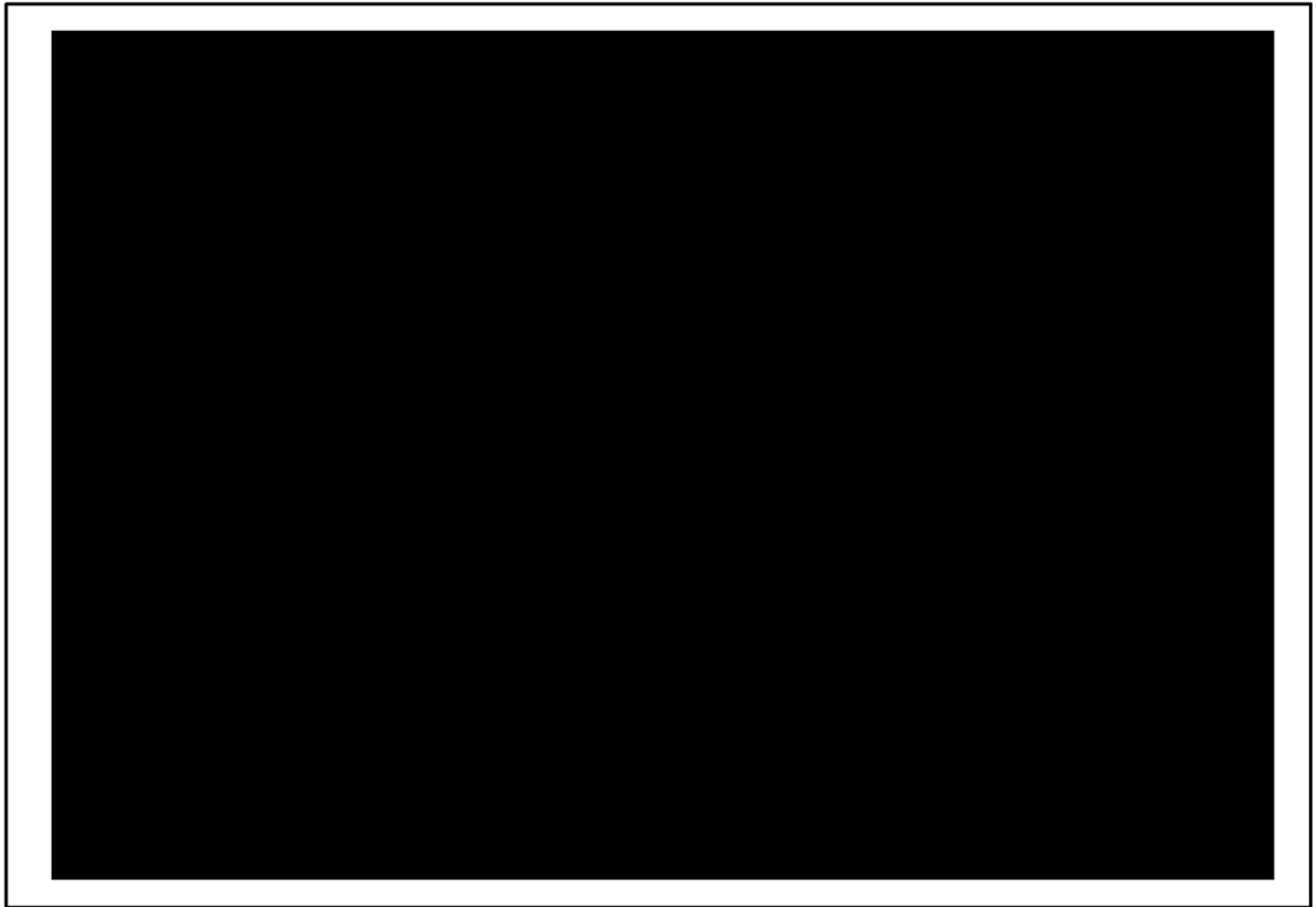
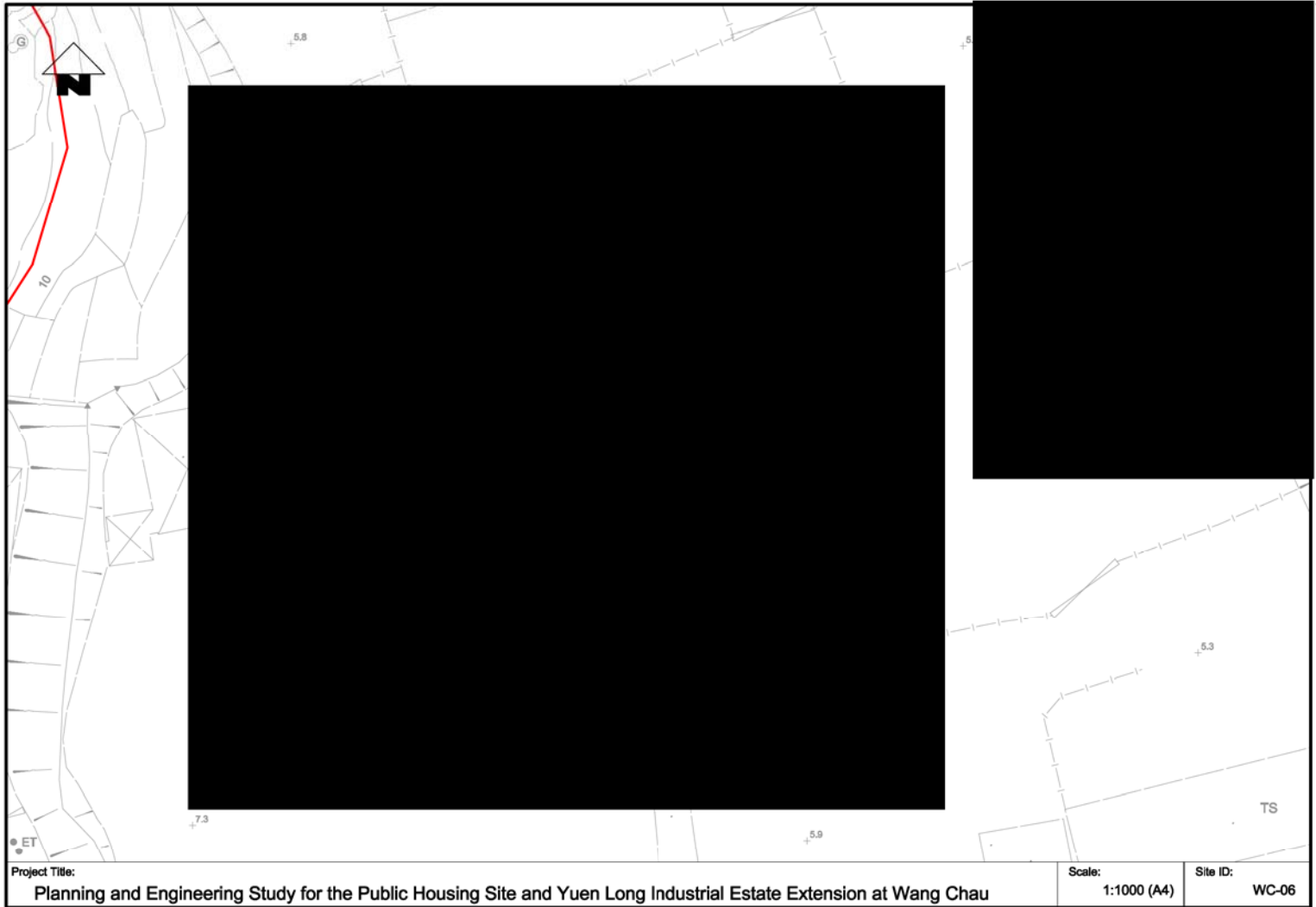


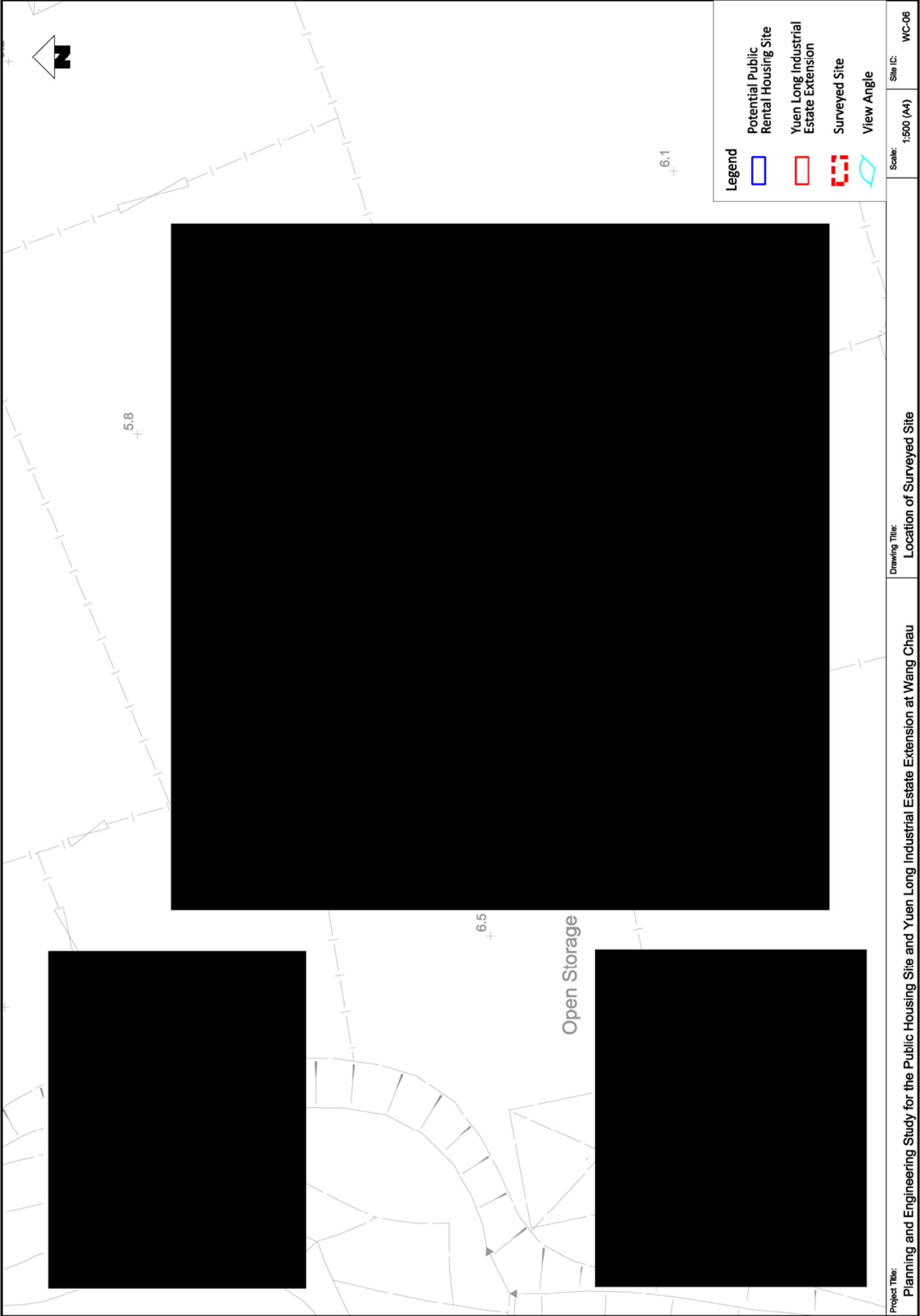


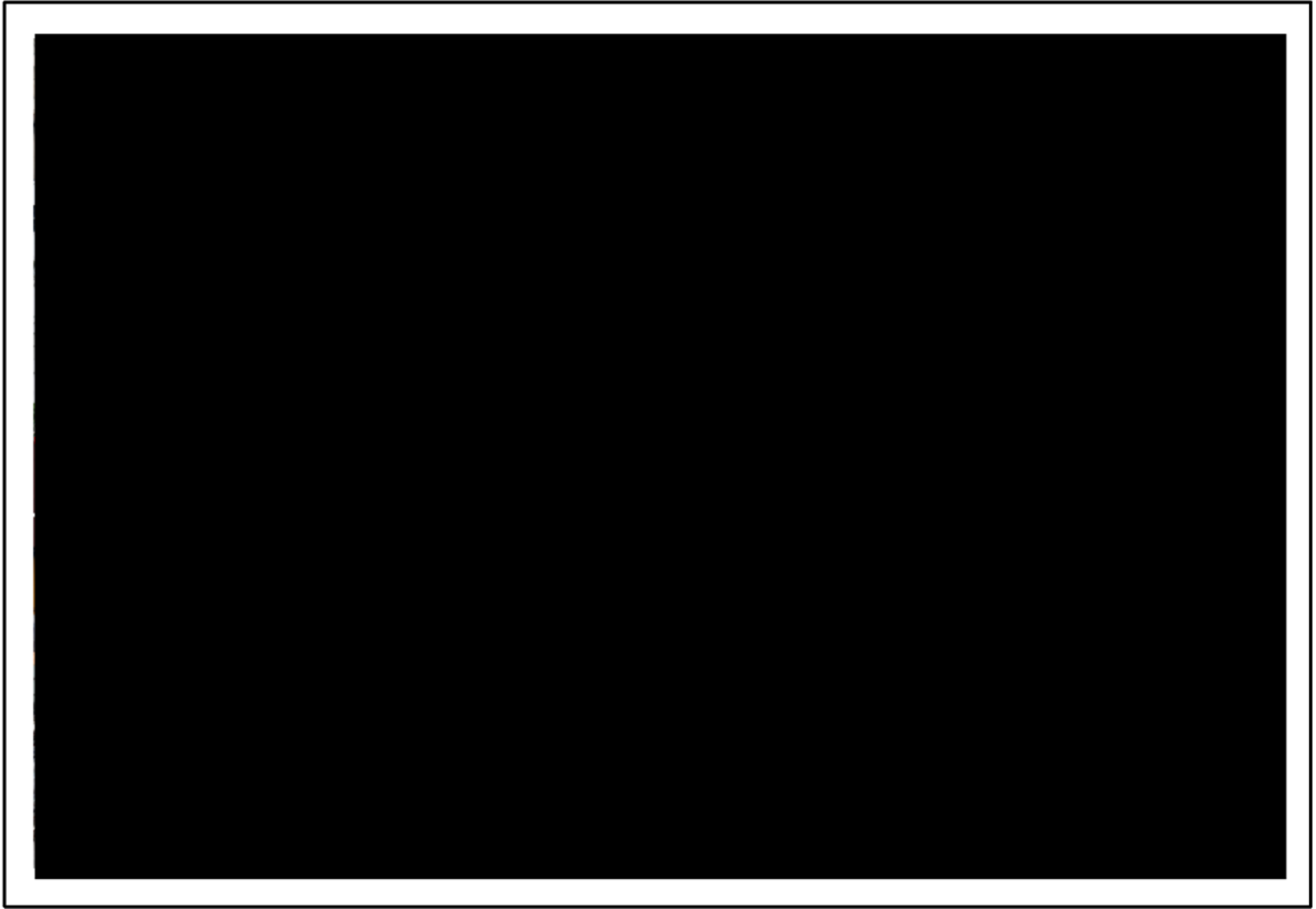
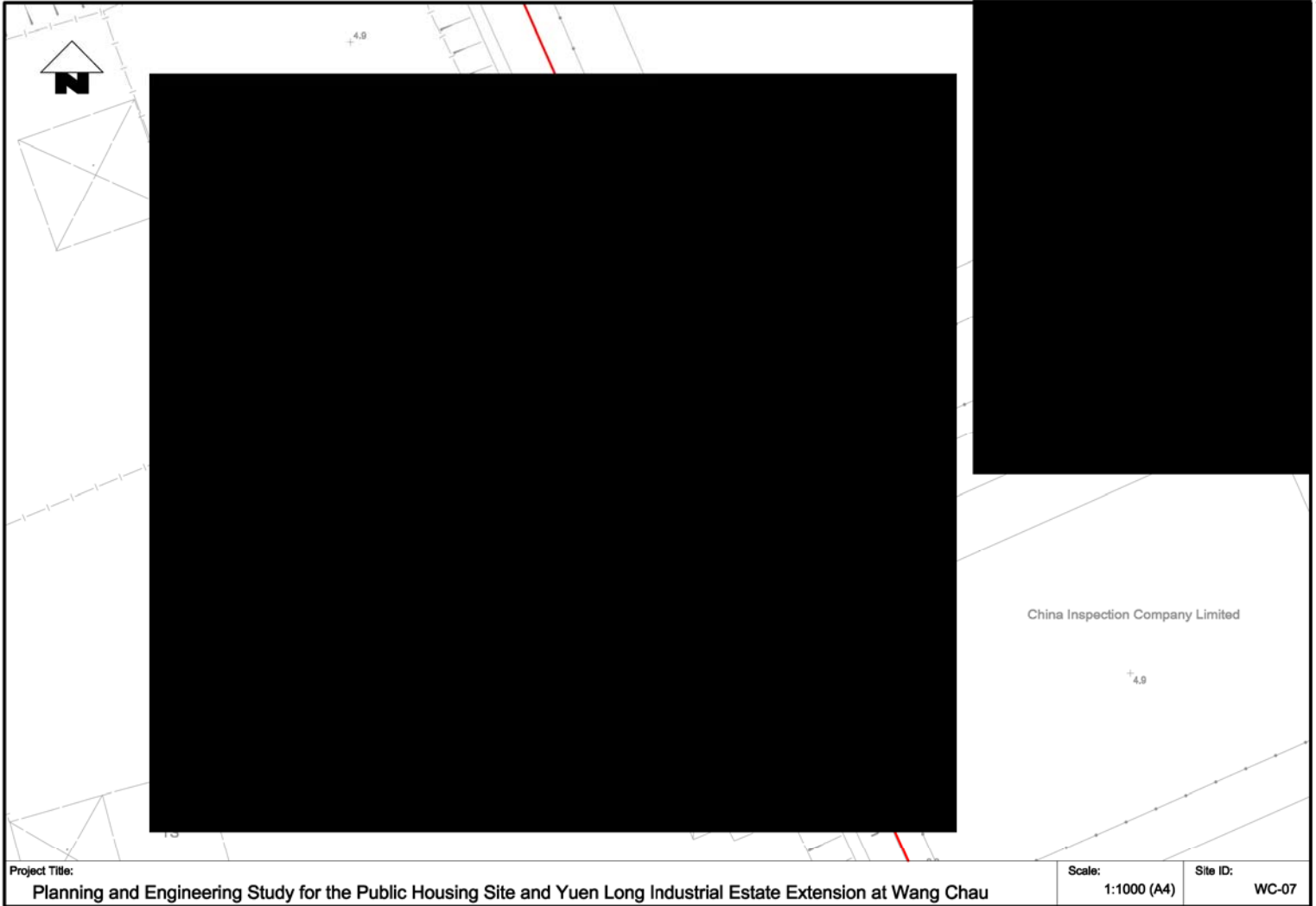


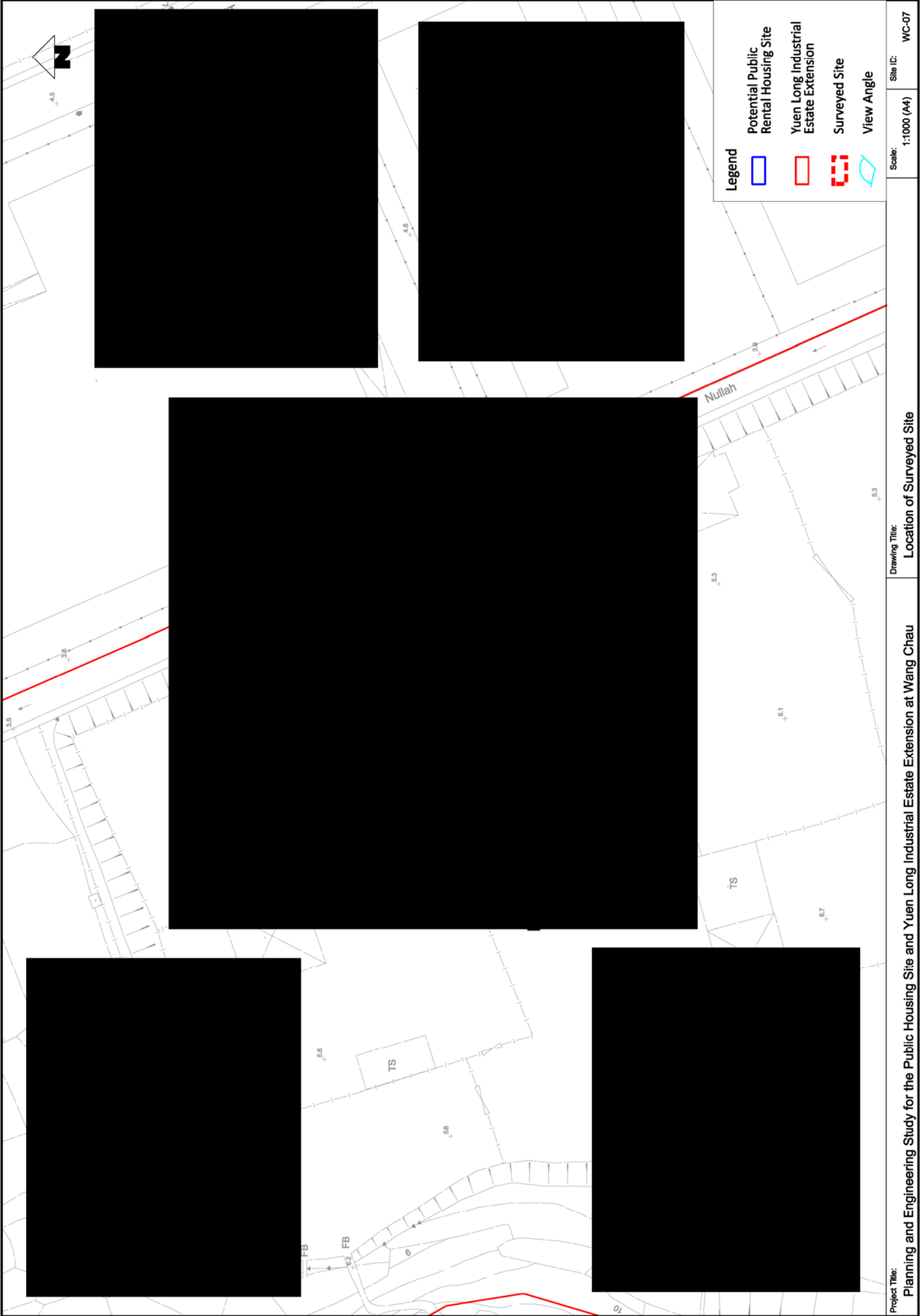


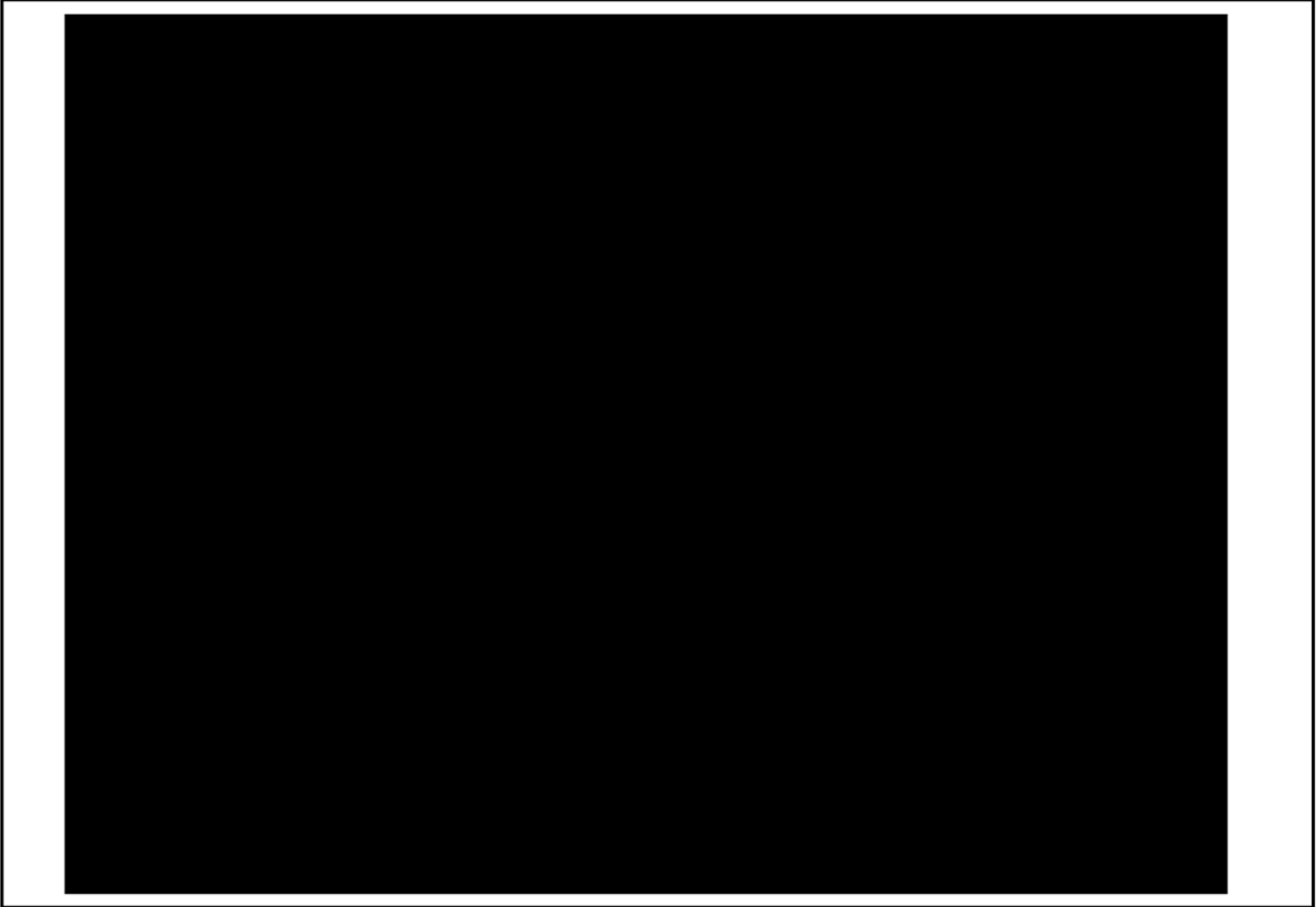
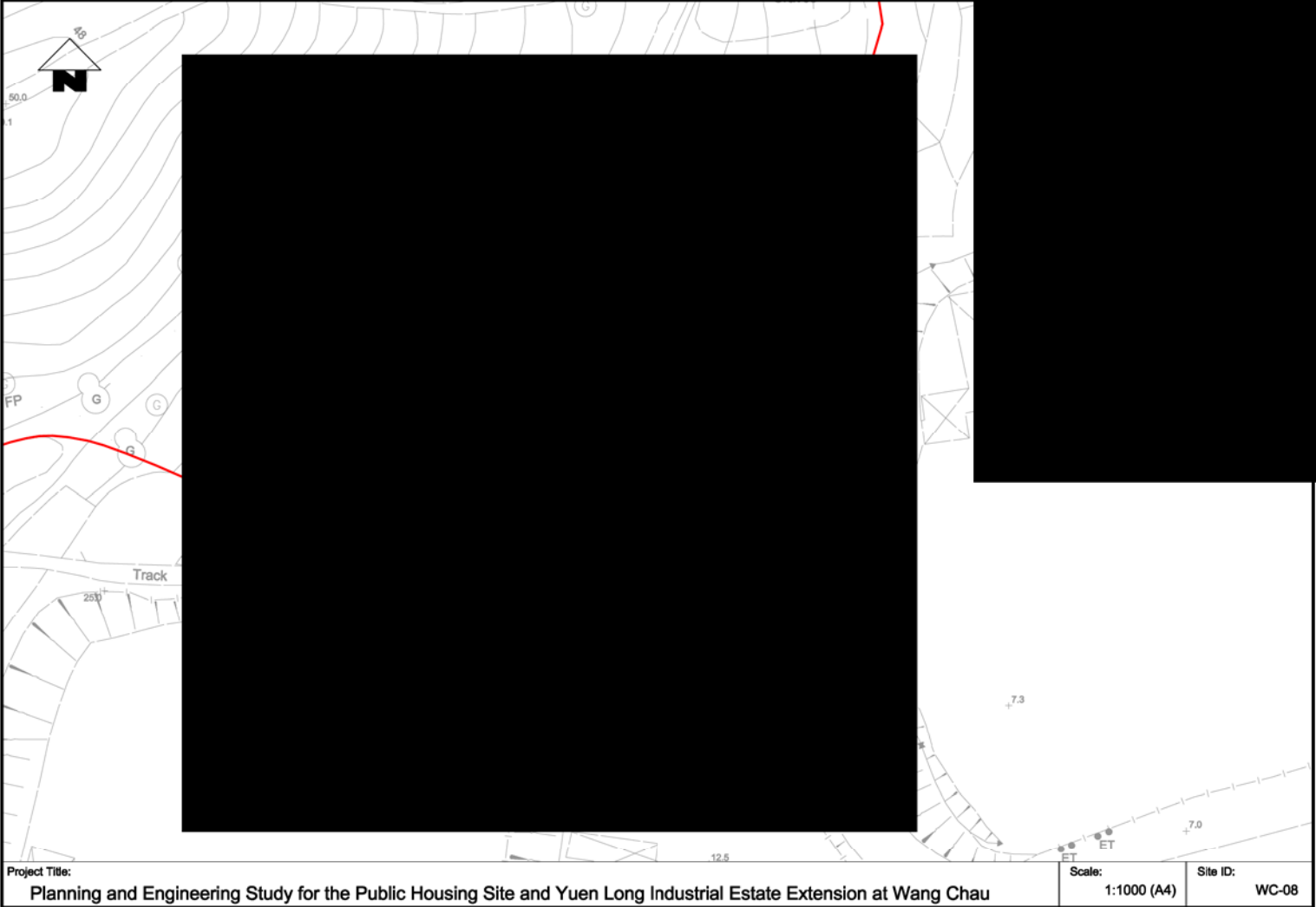


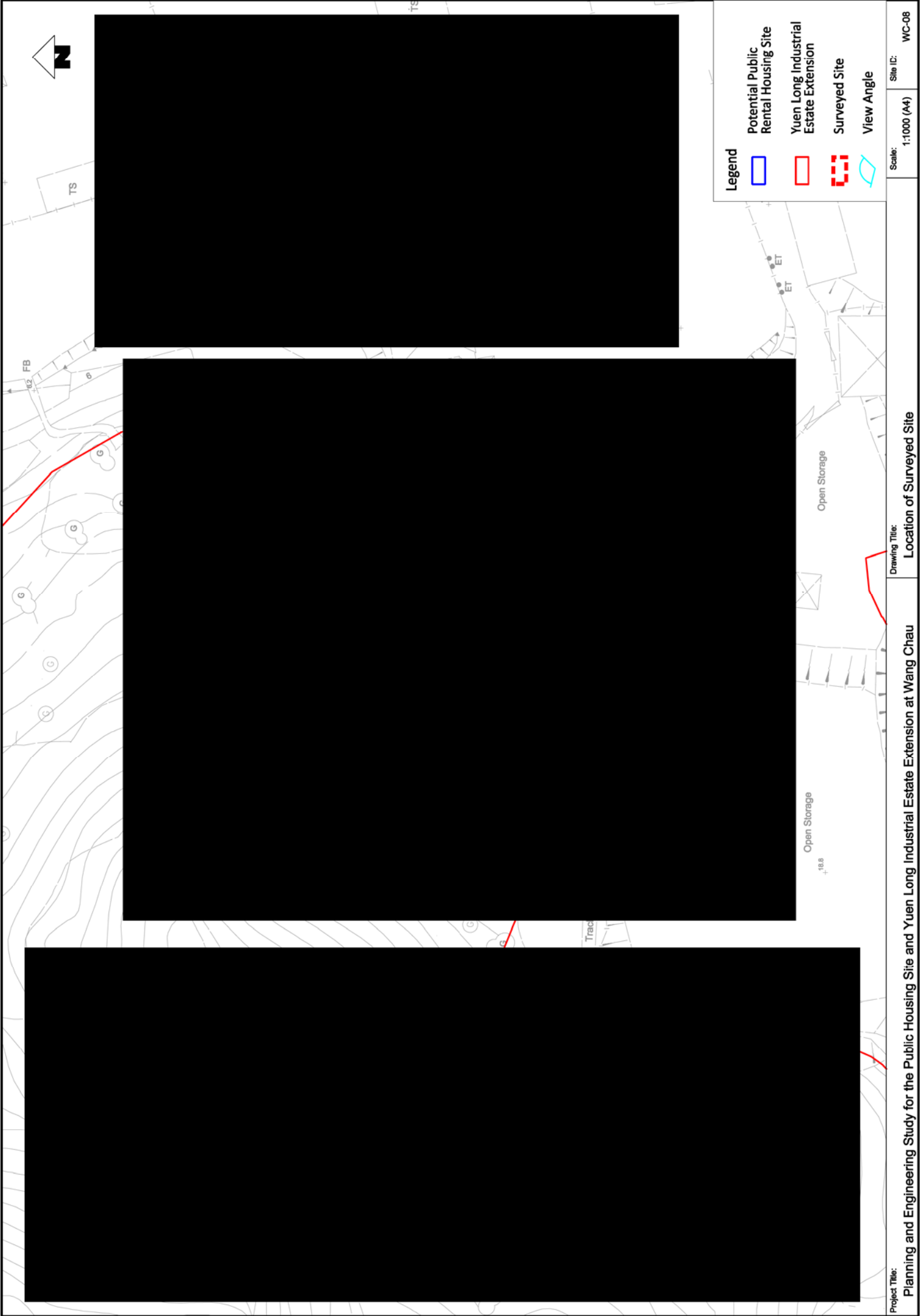


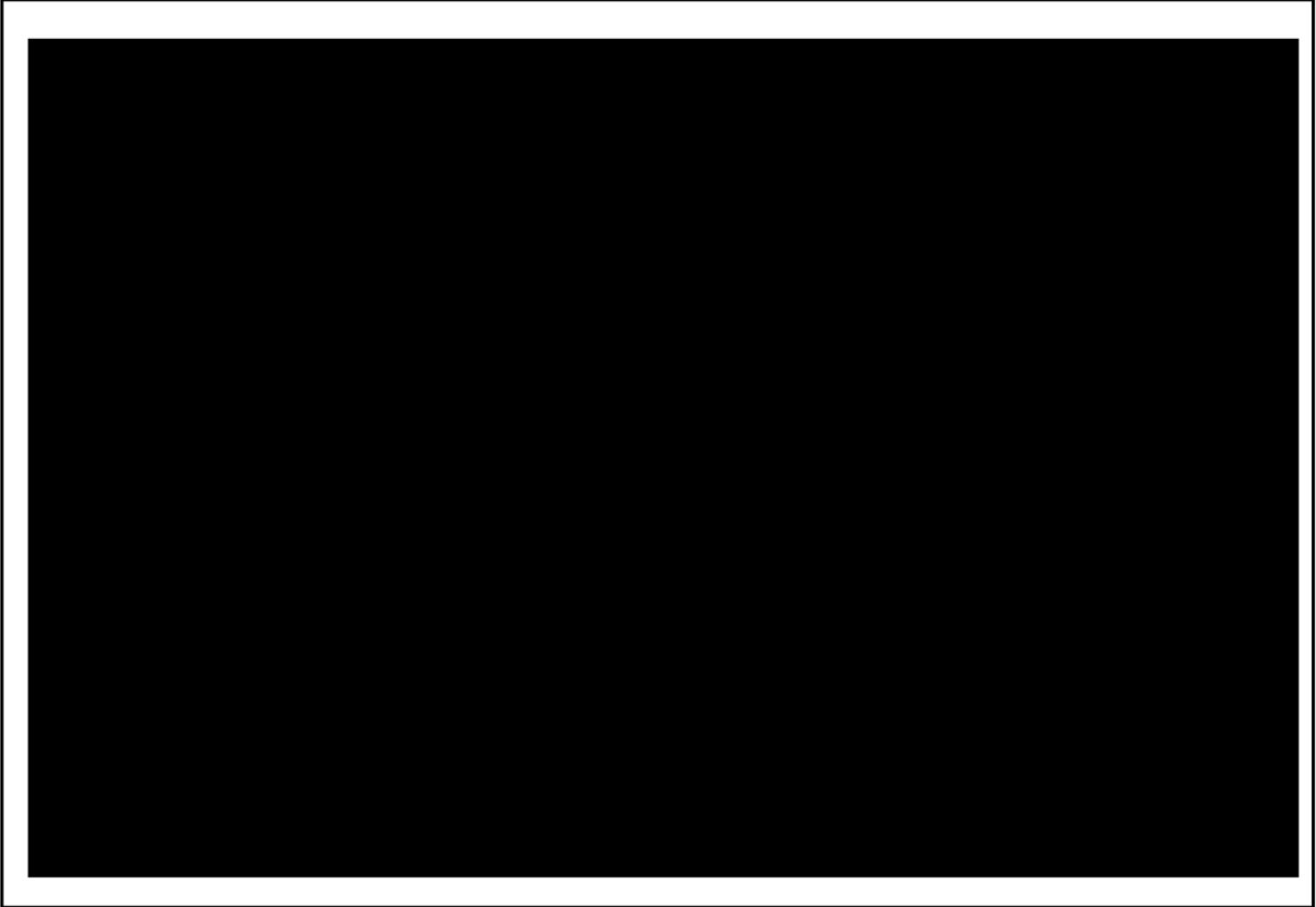
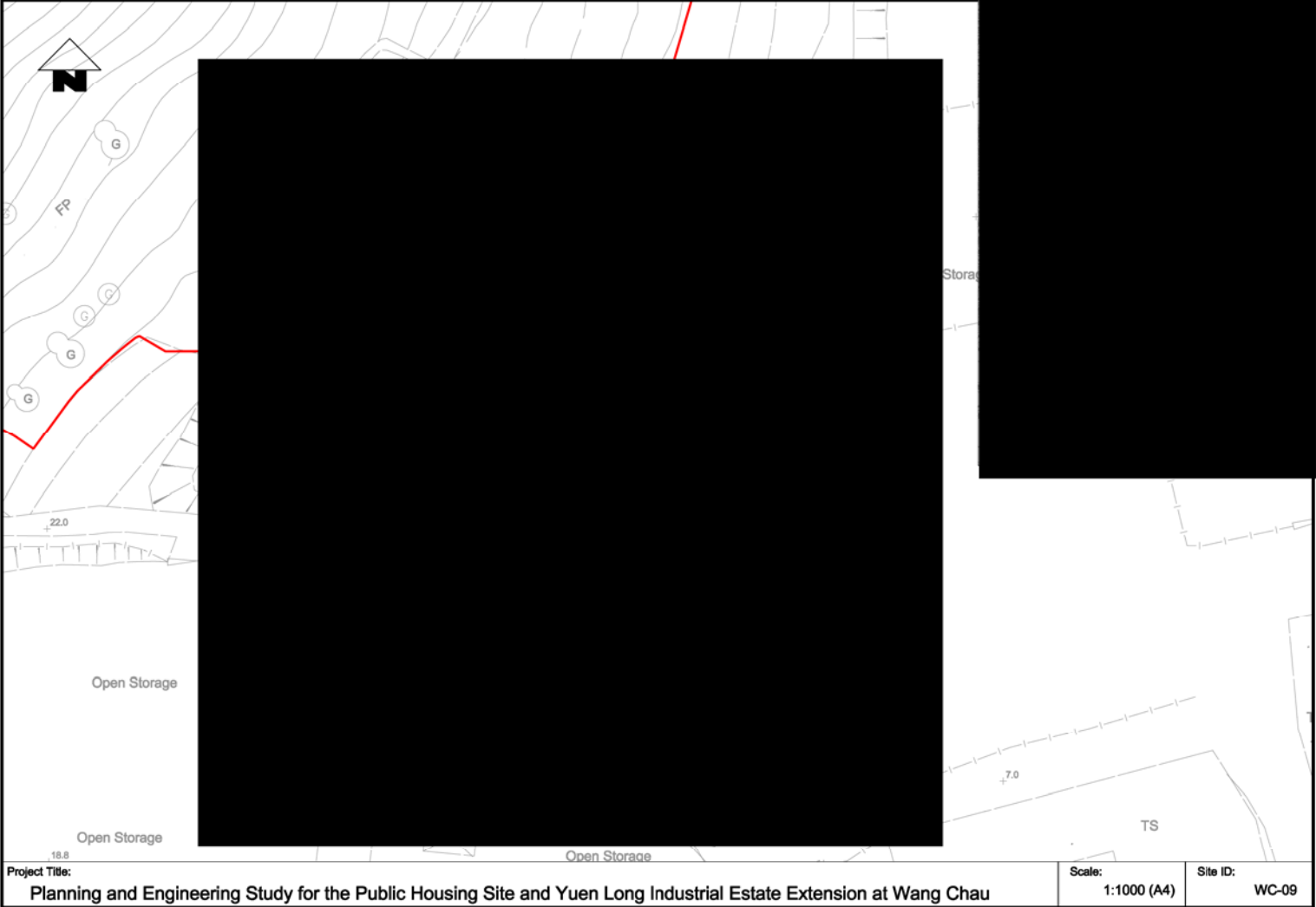


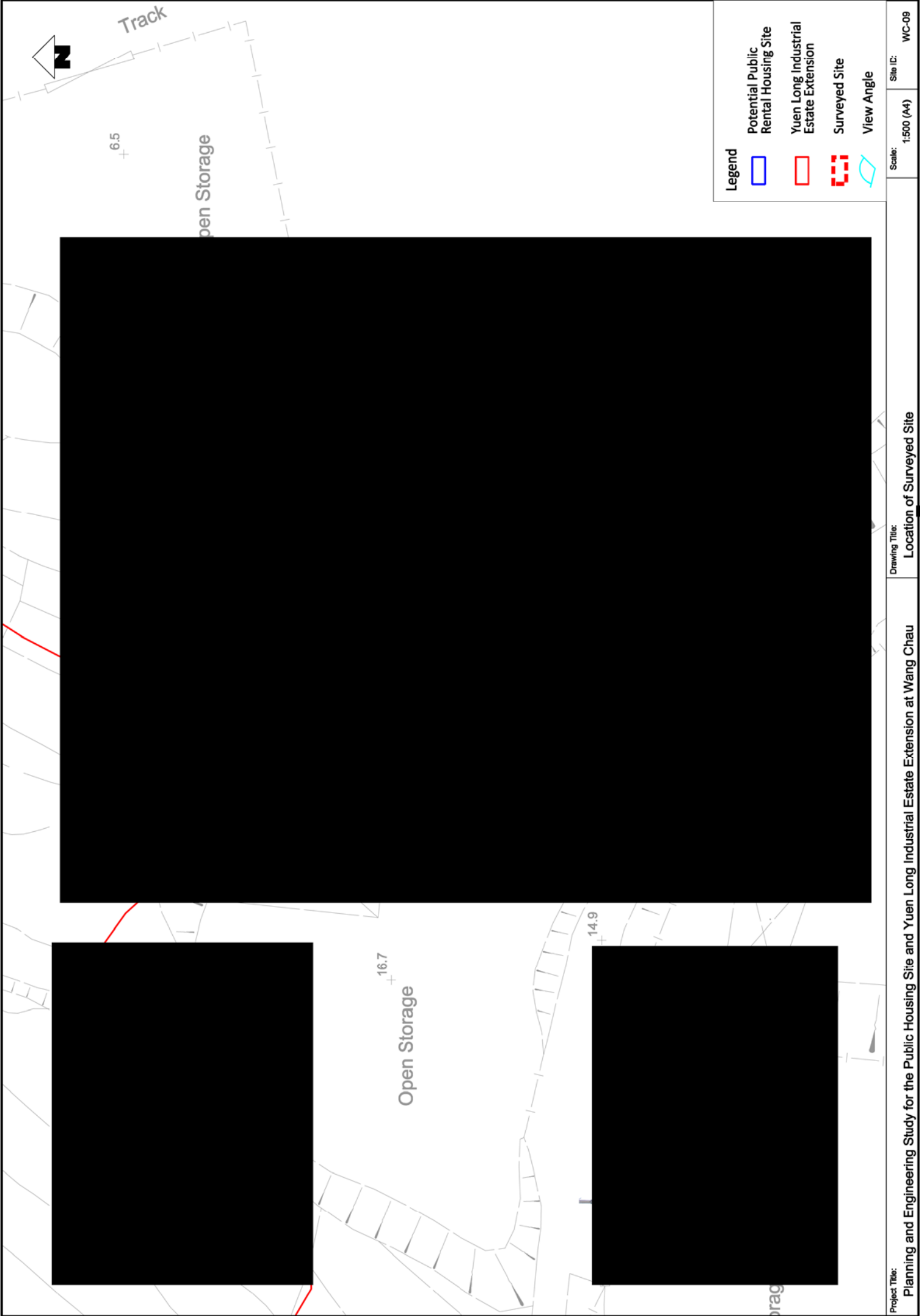


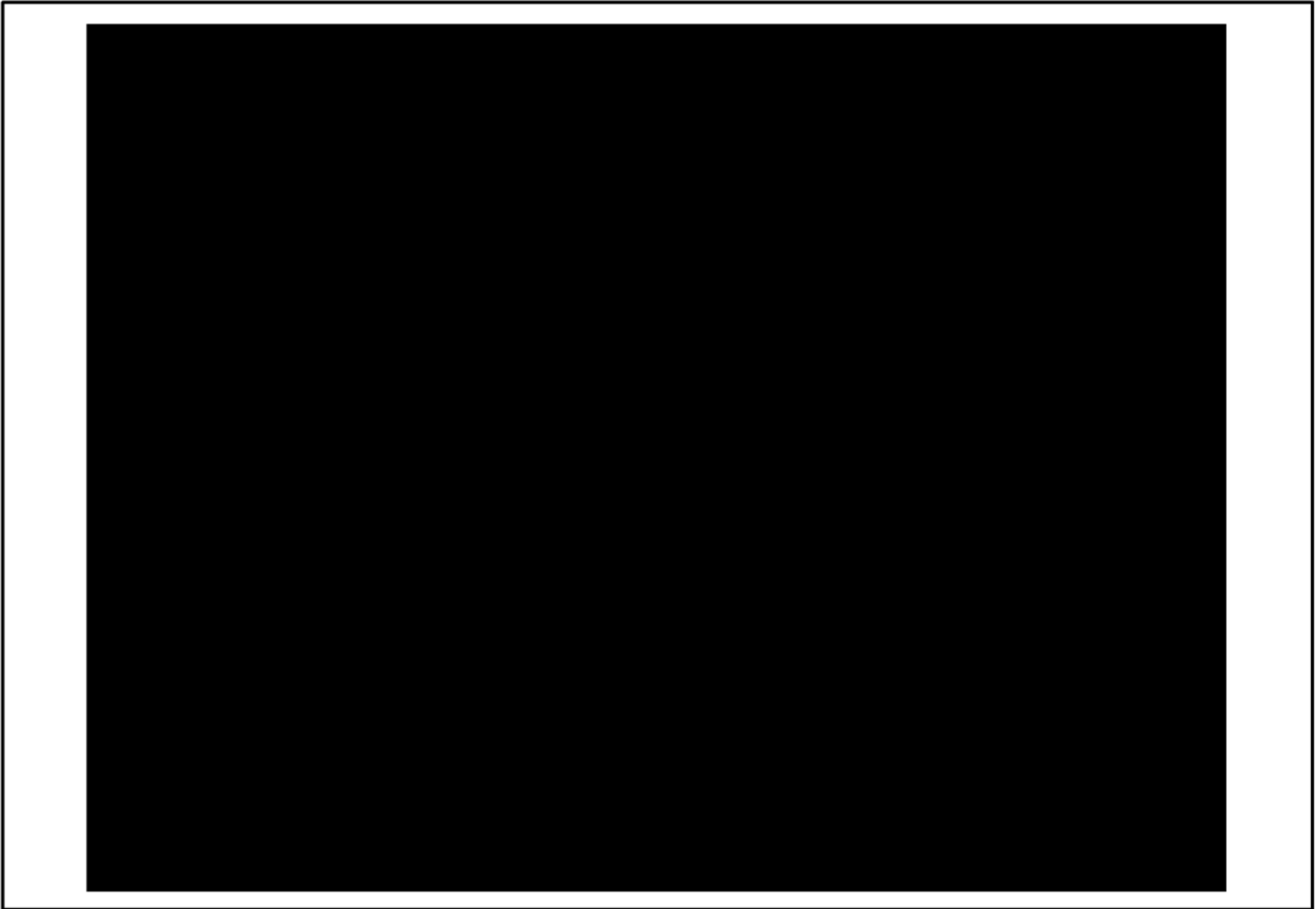


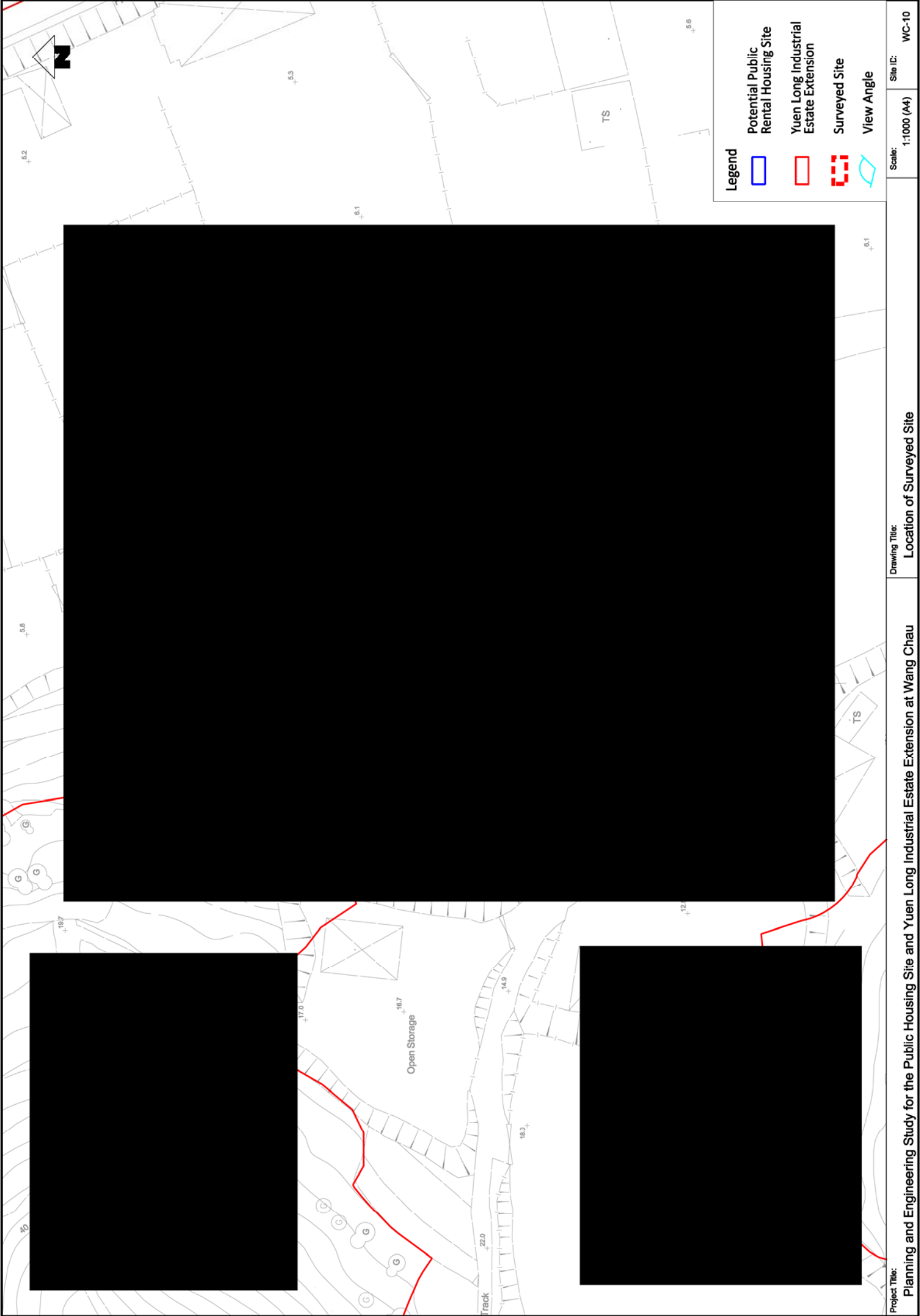












Project Title:

Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

Drawing Title:

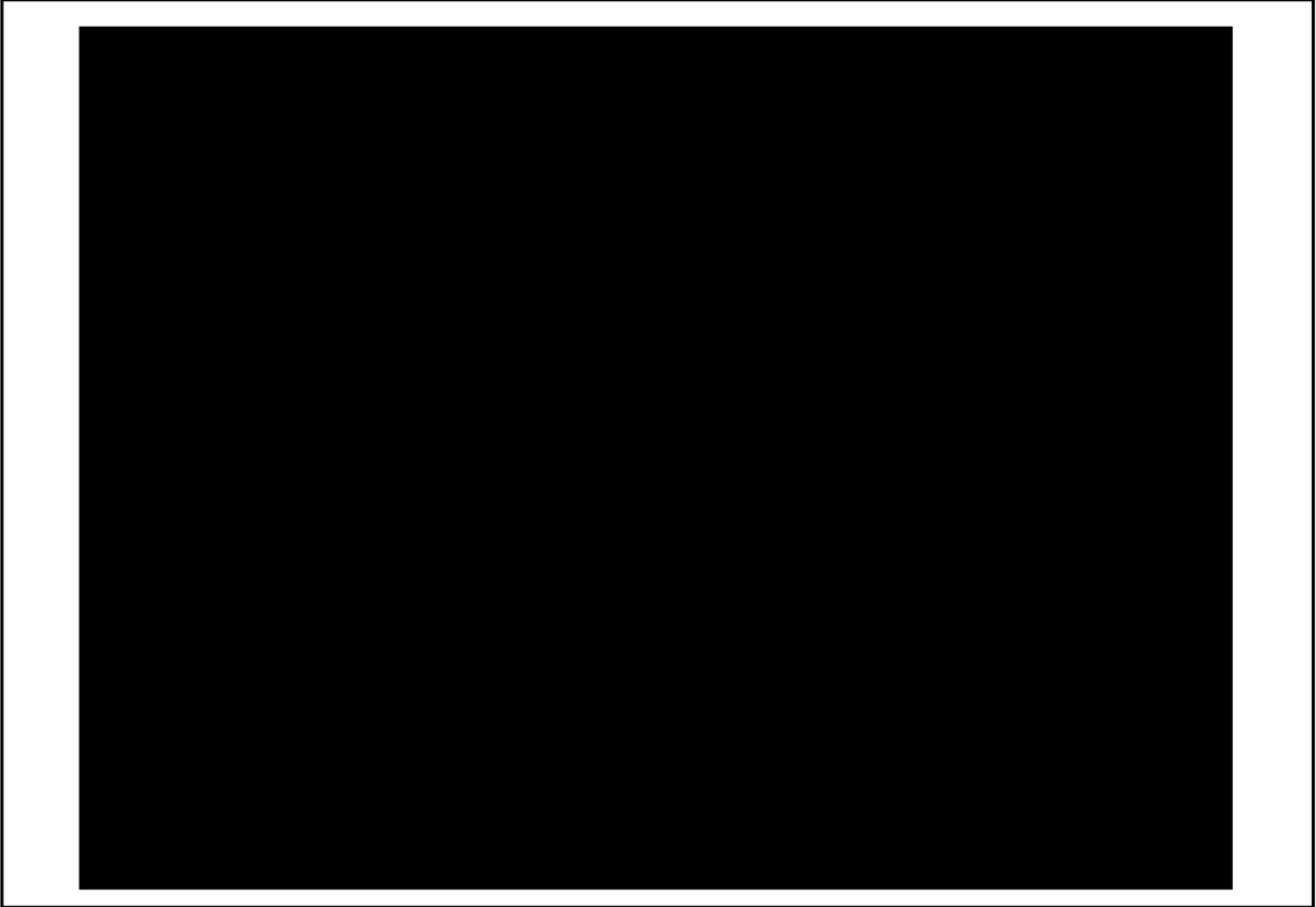
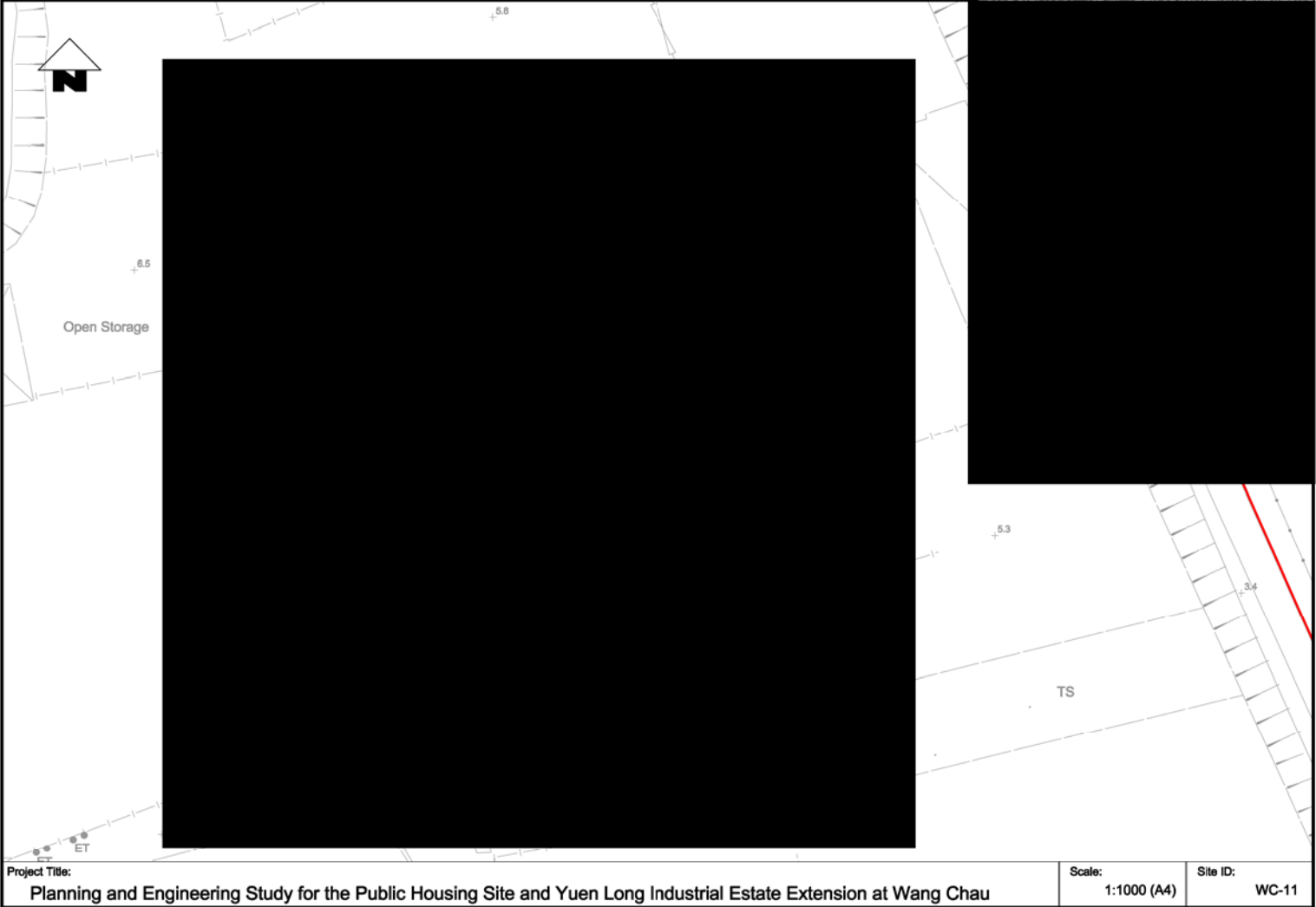
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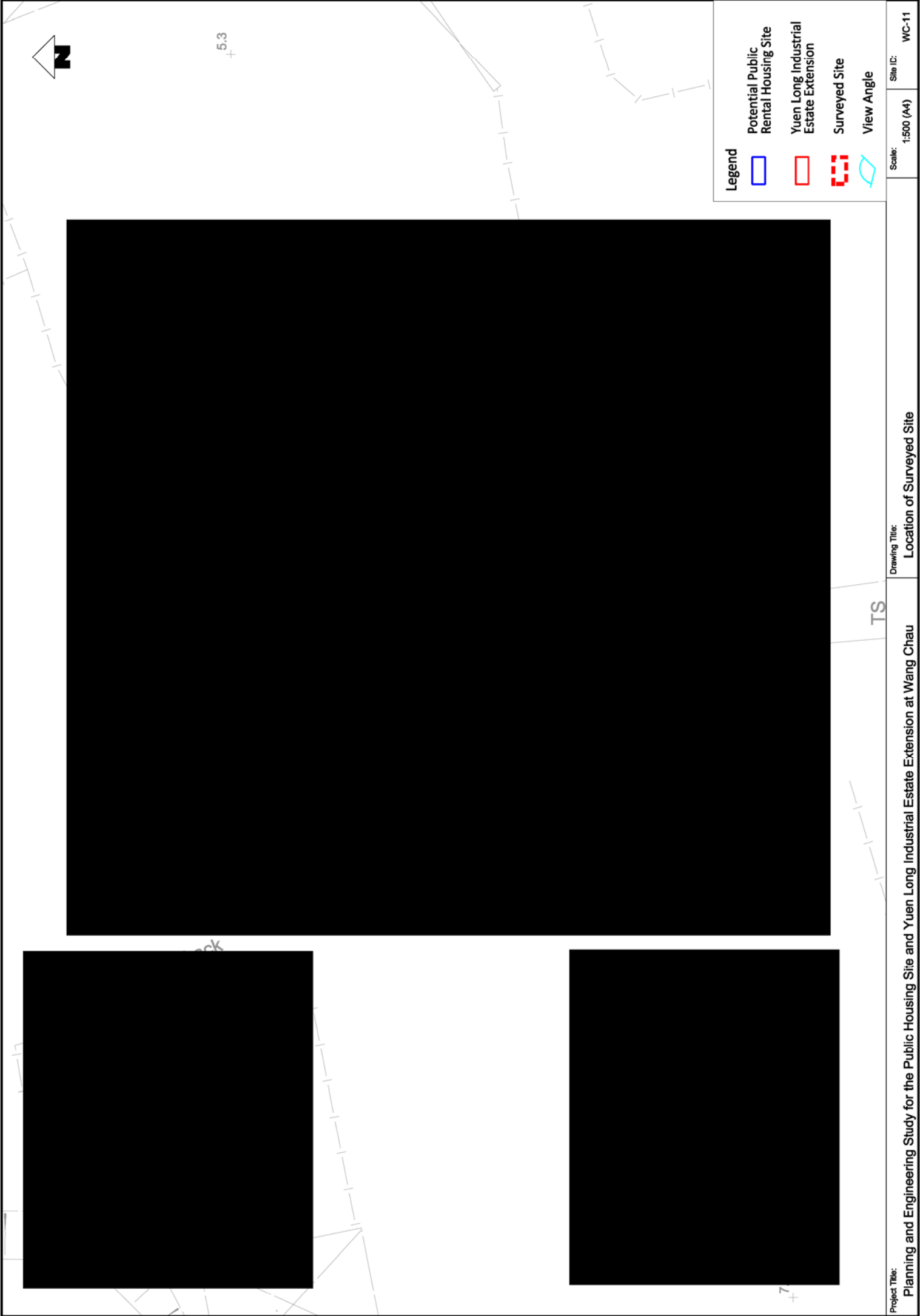
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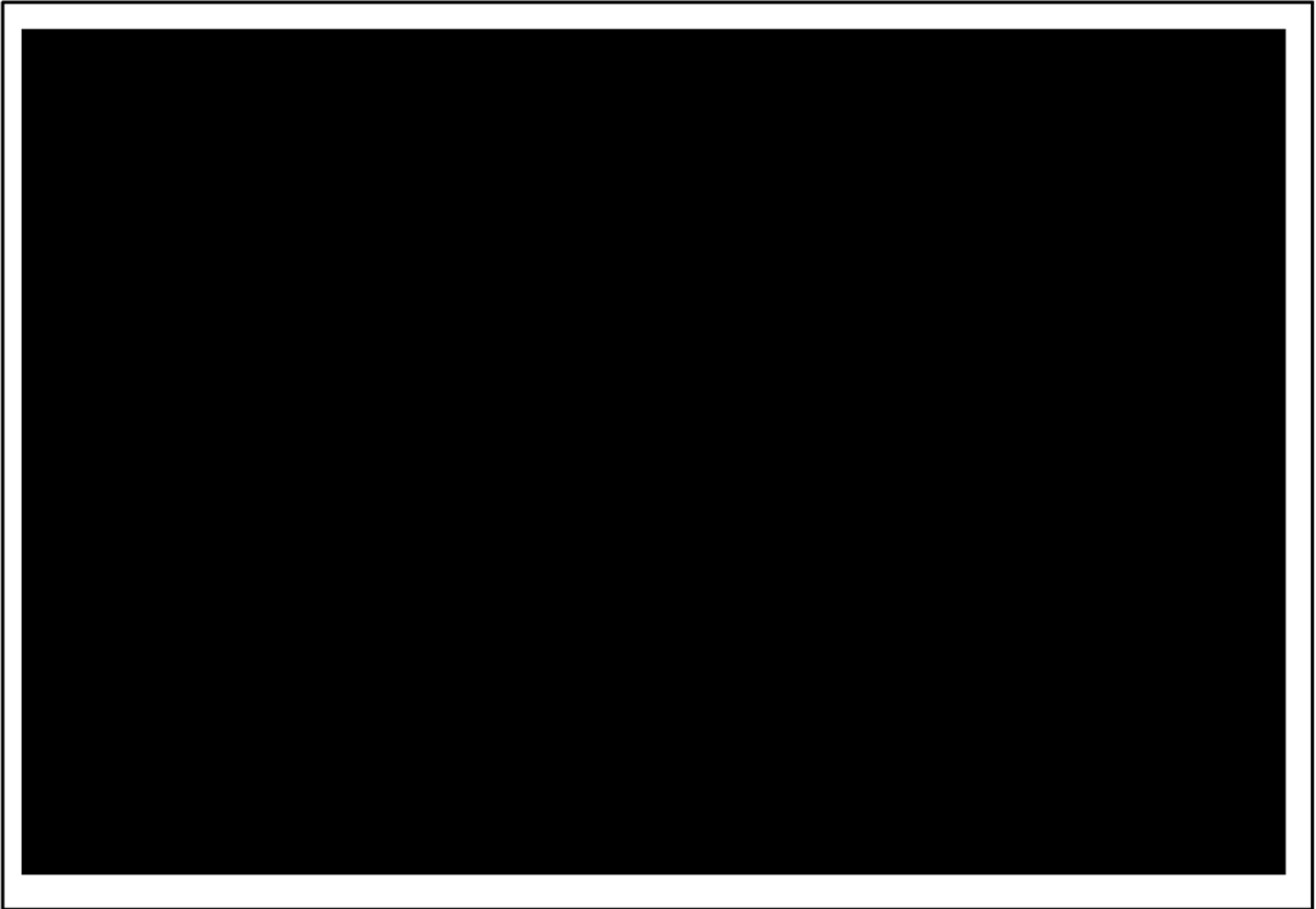
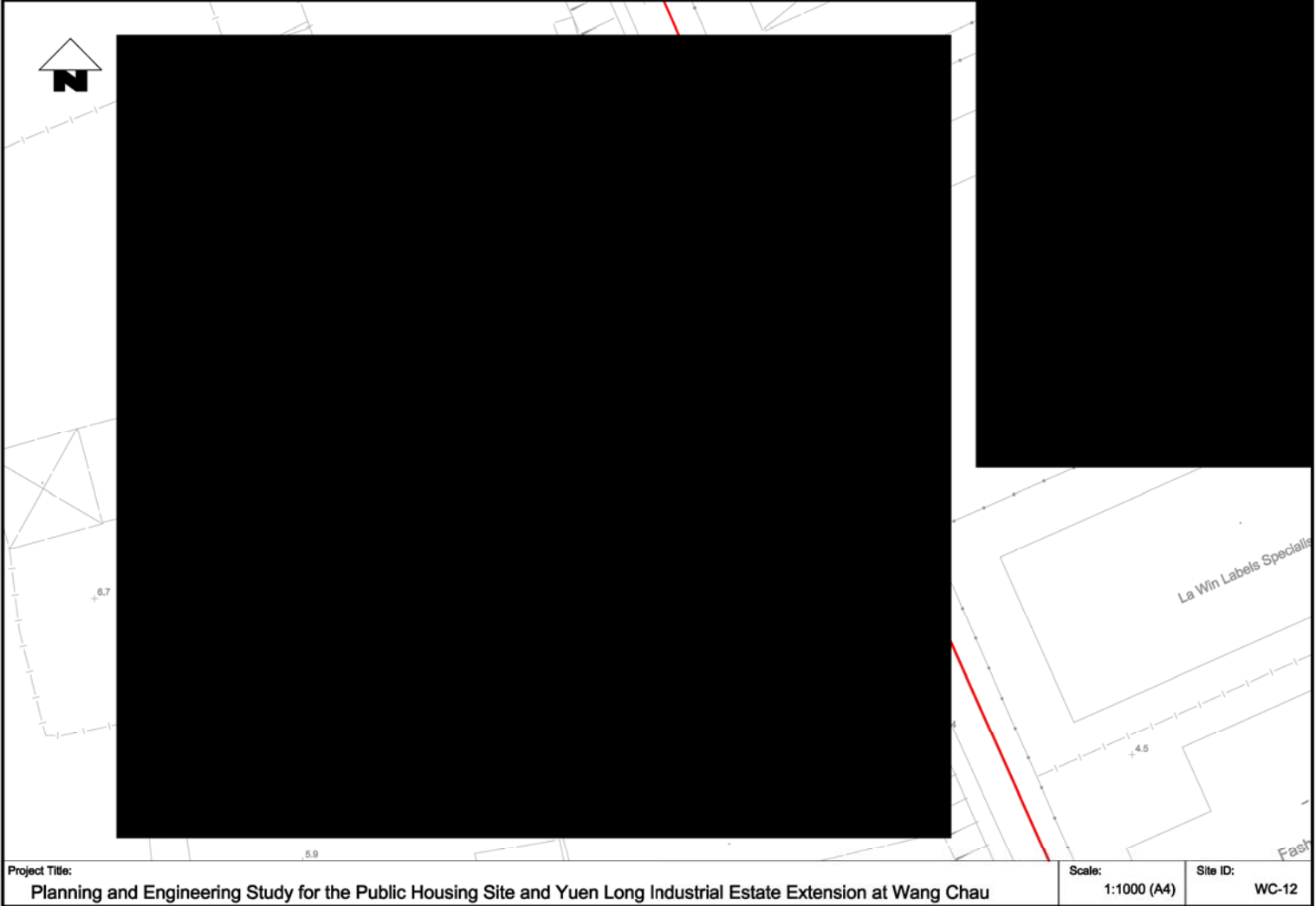
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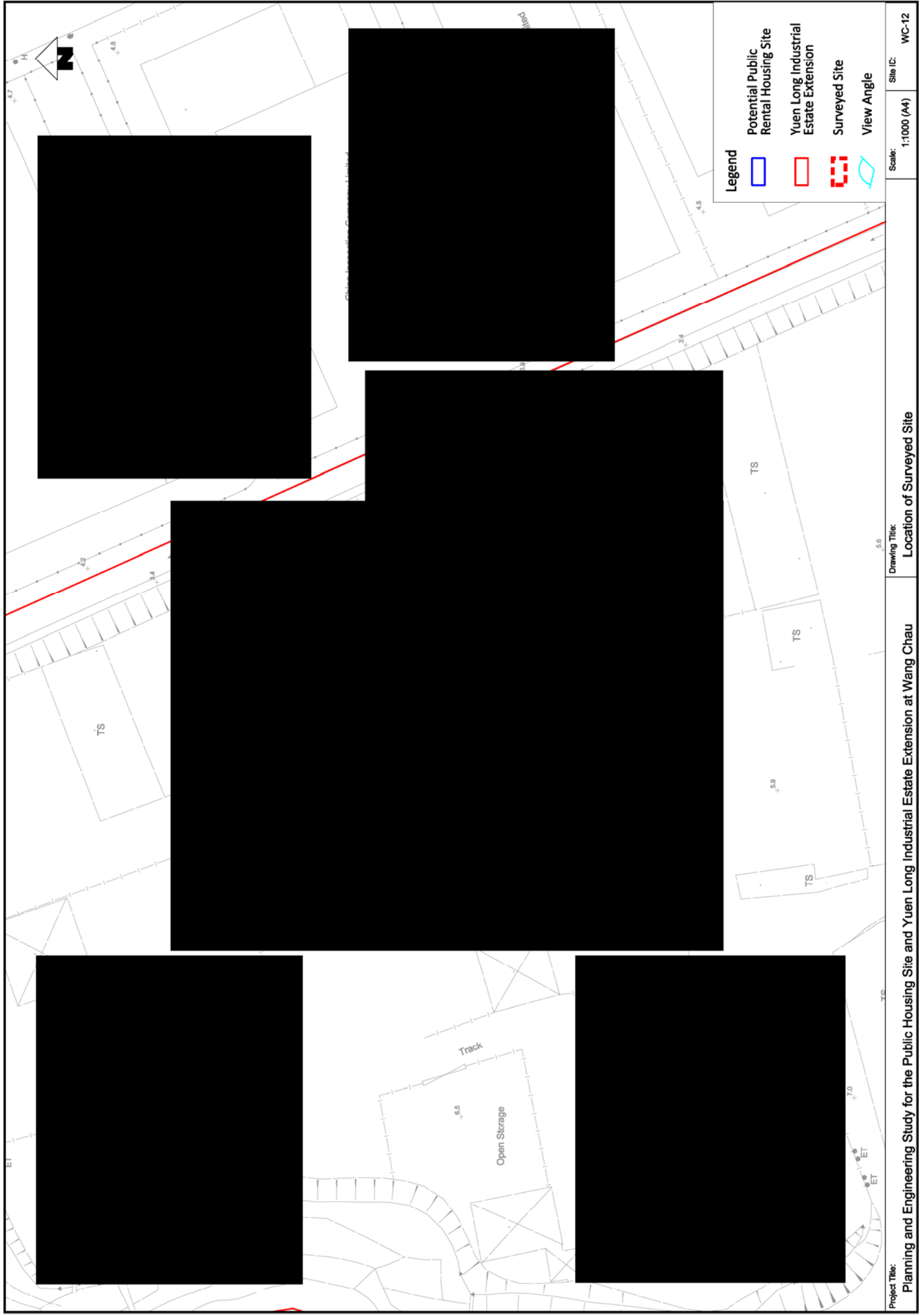
Site ID:

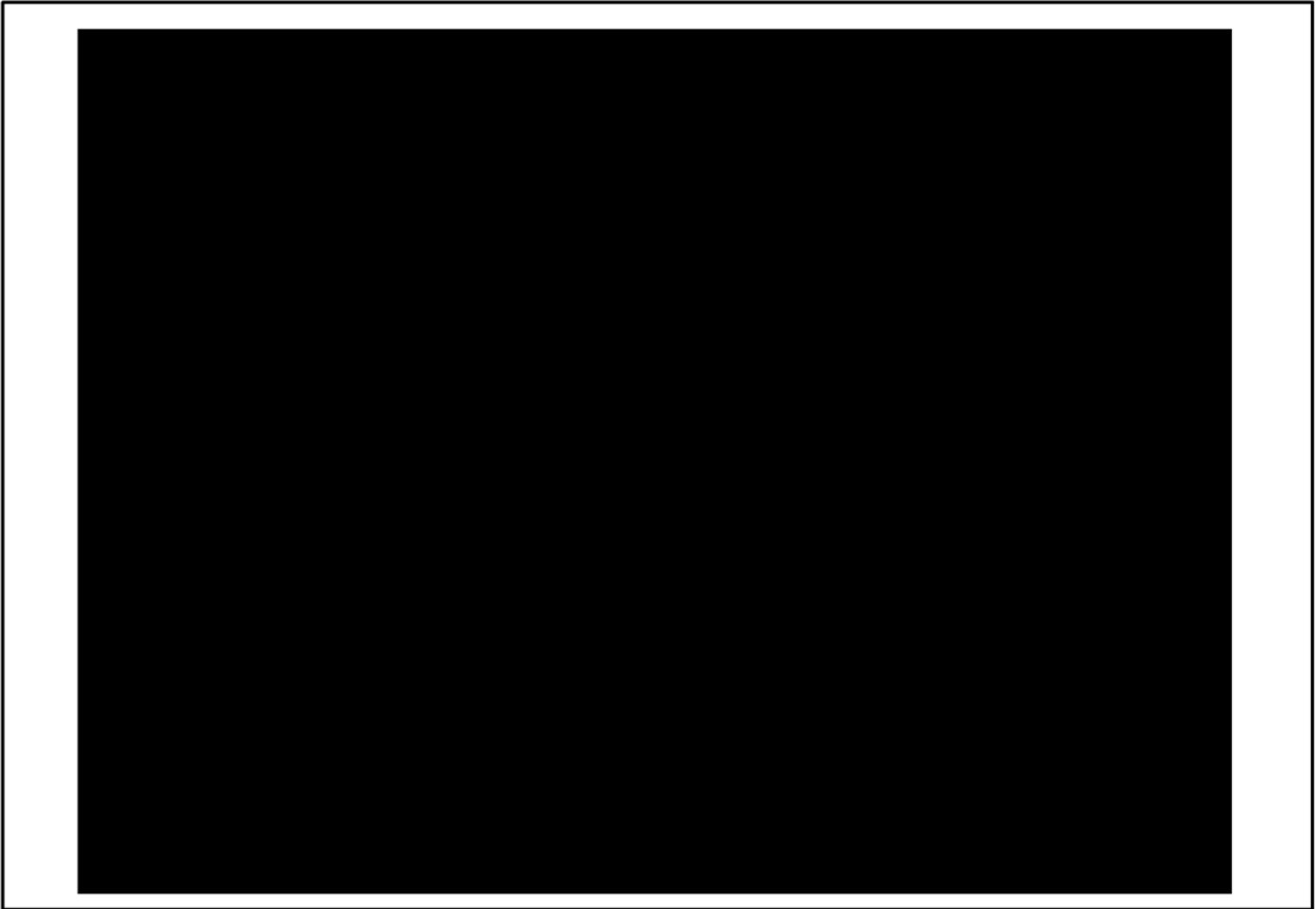
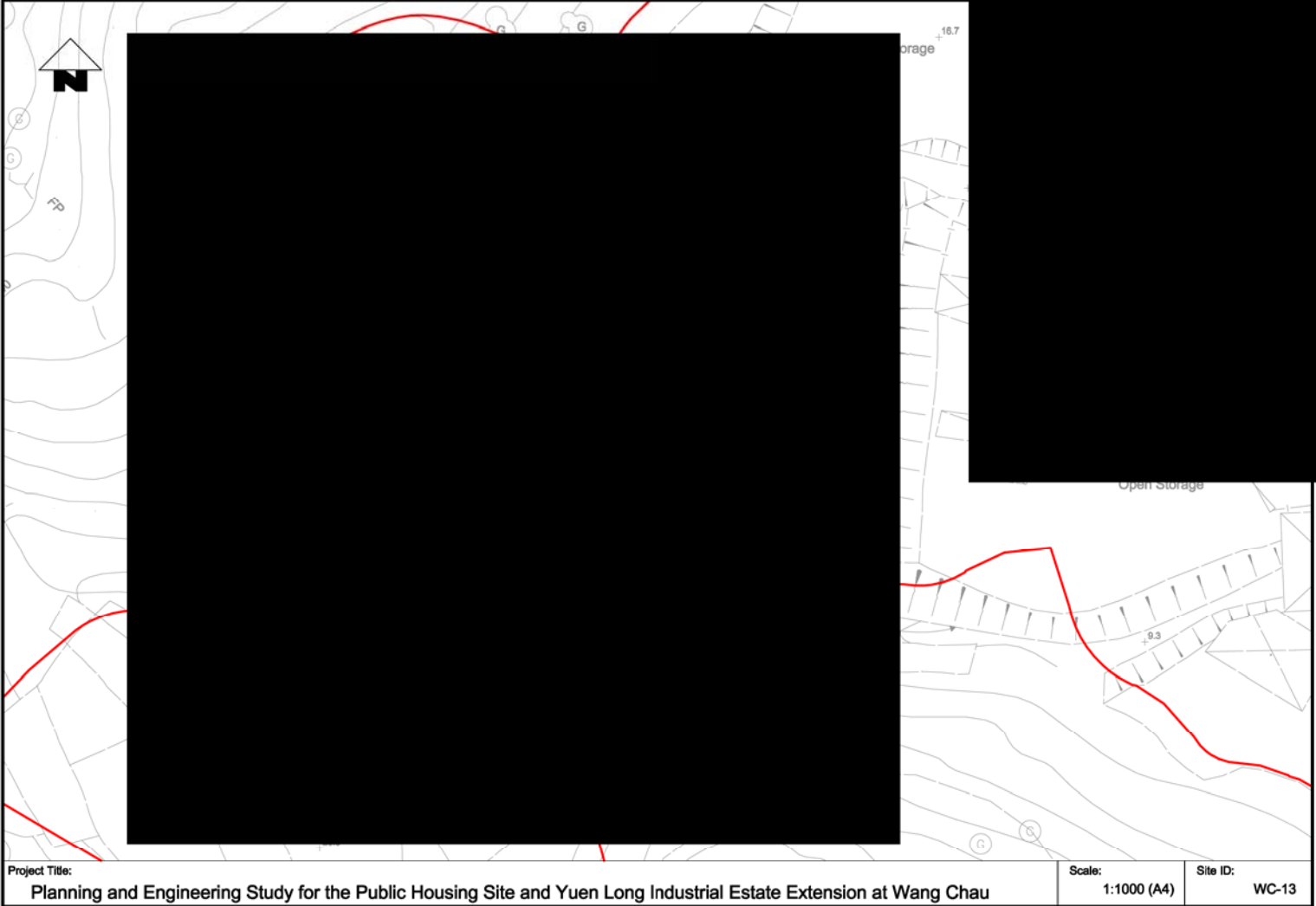
WC-10

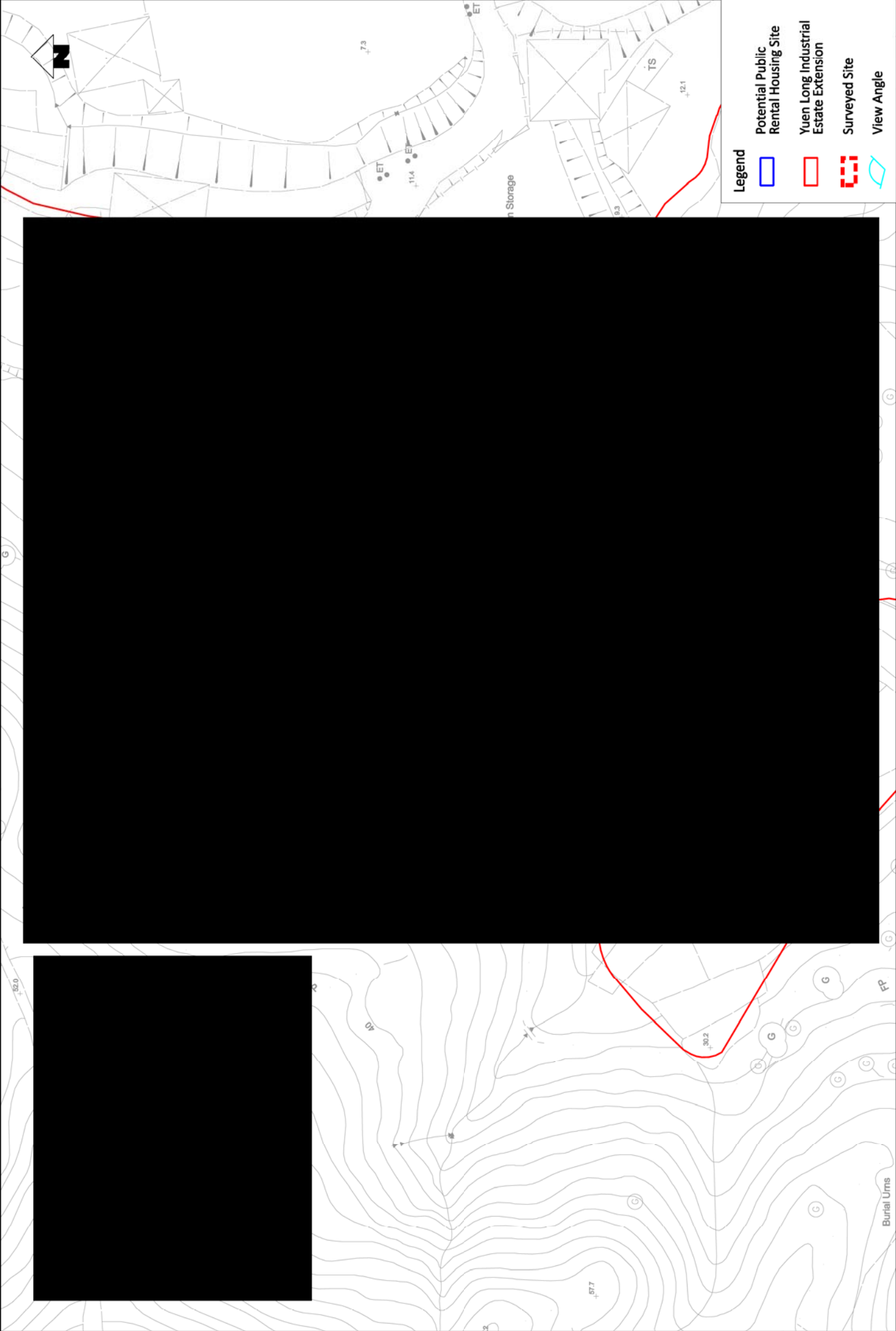




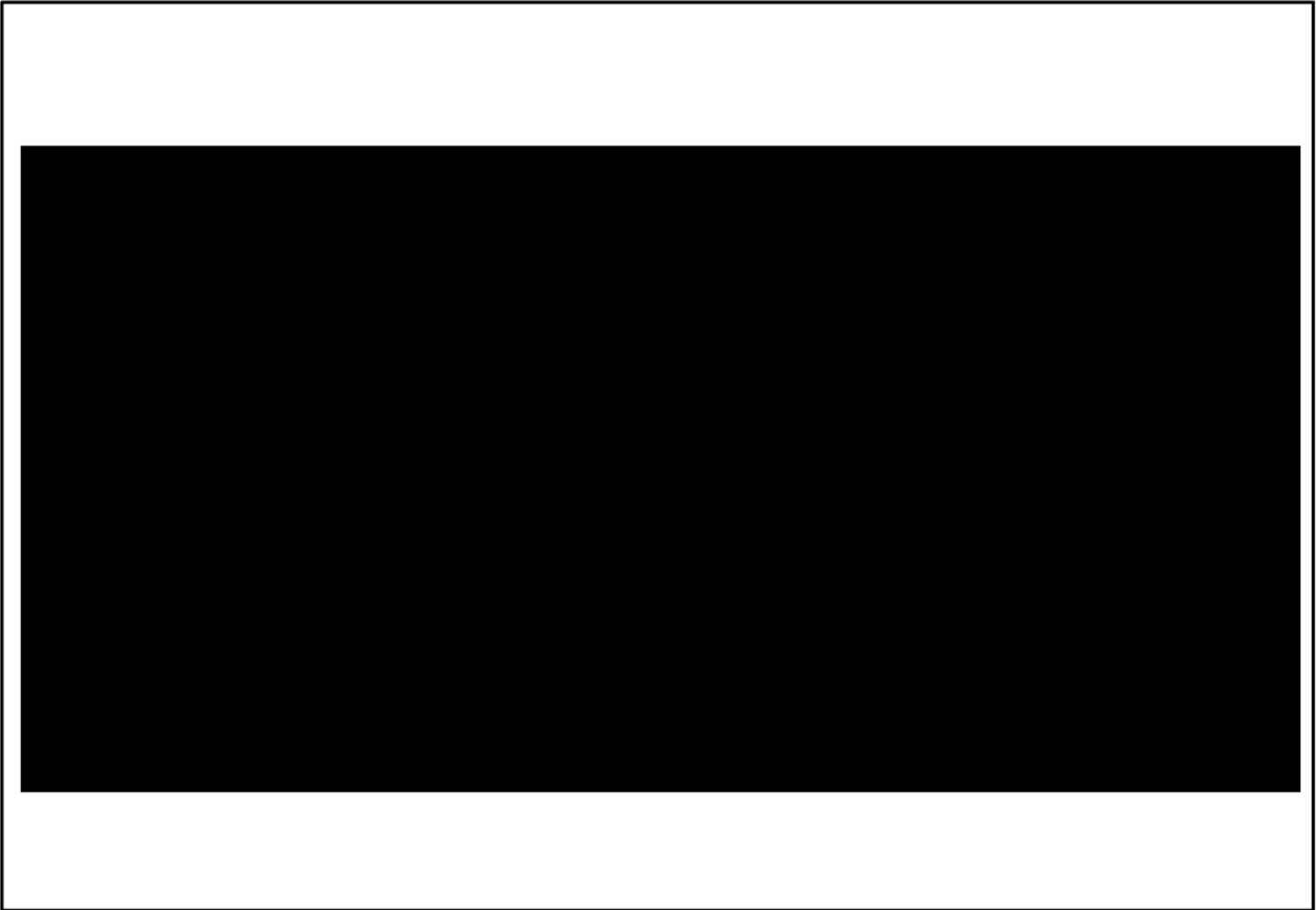
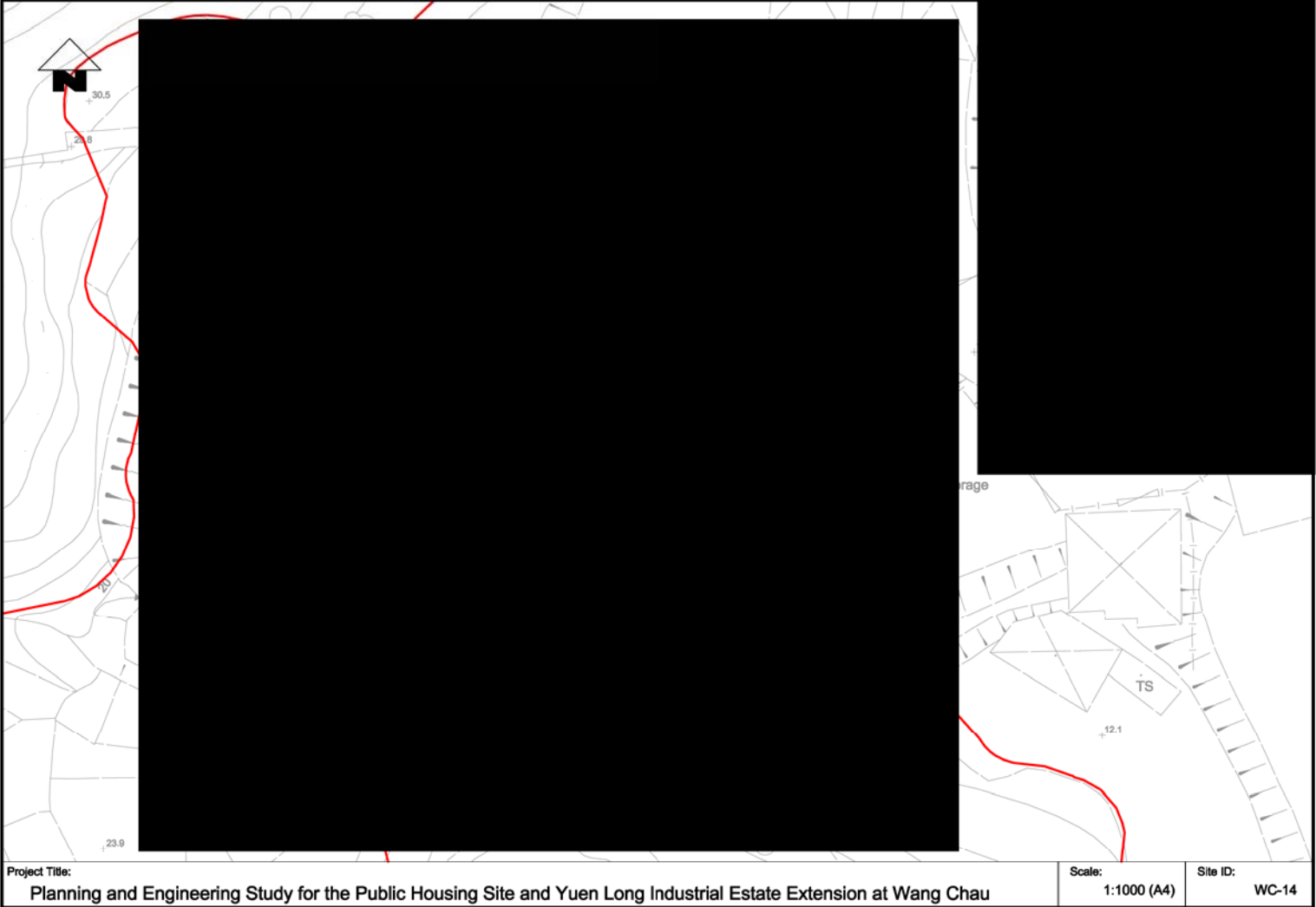


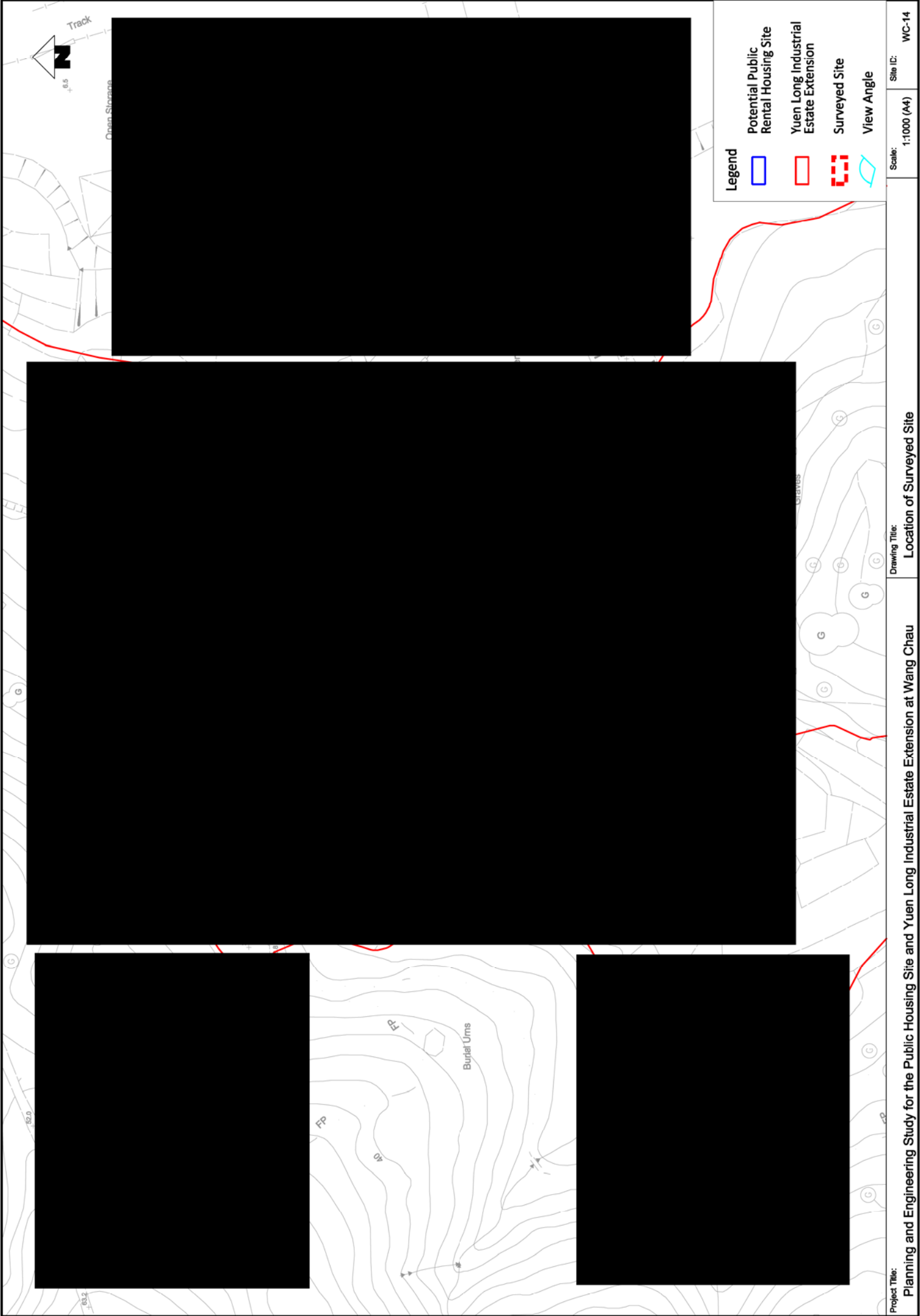


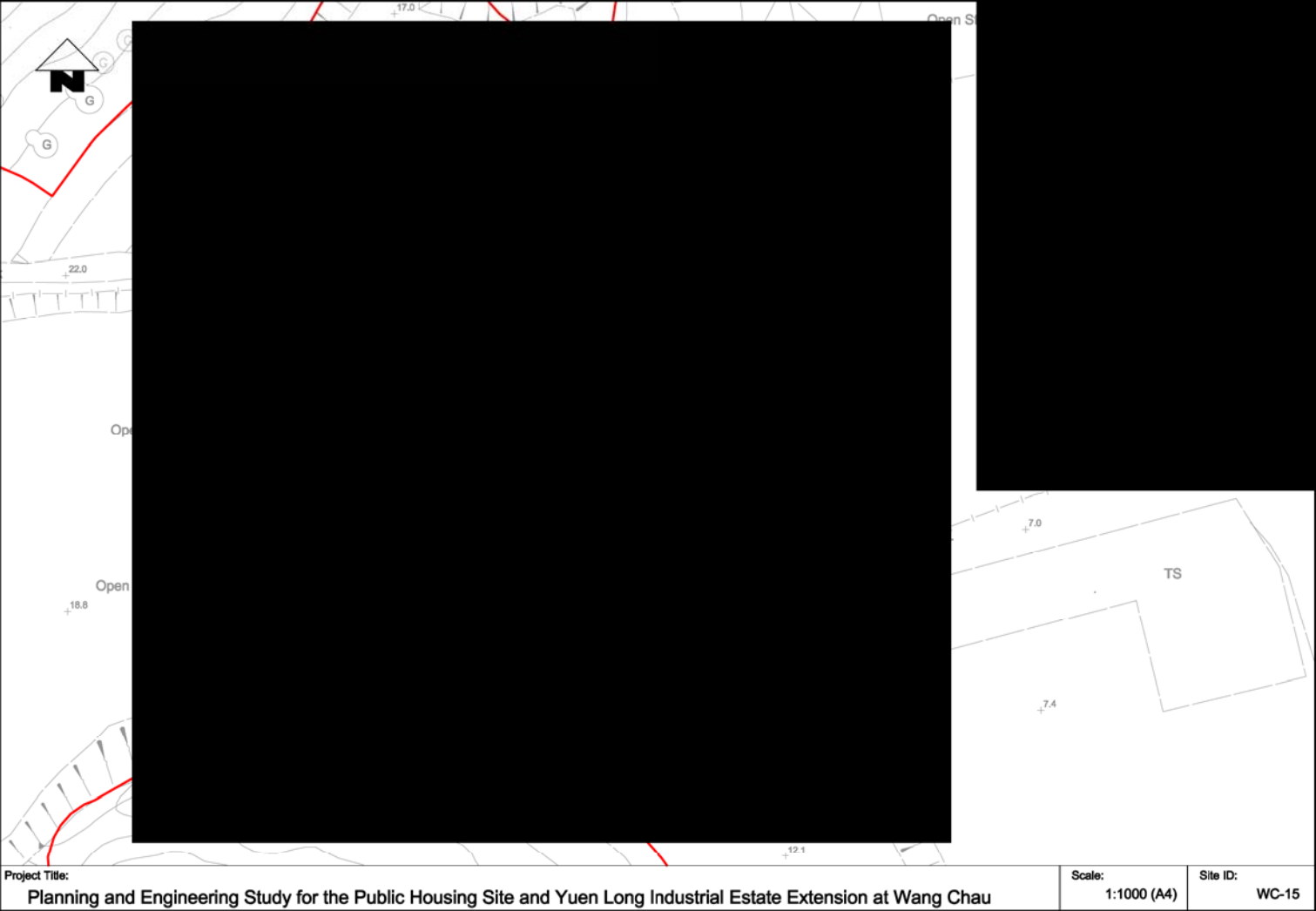


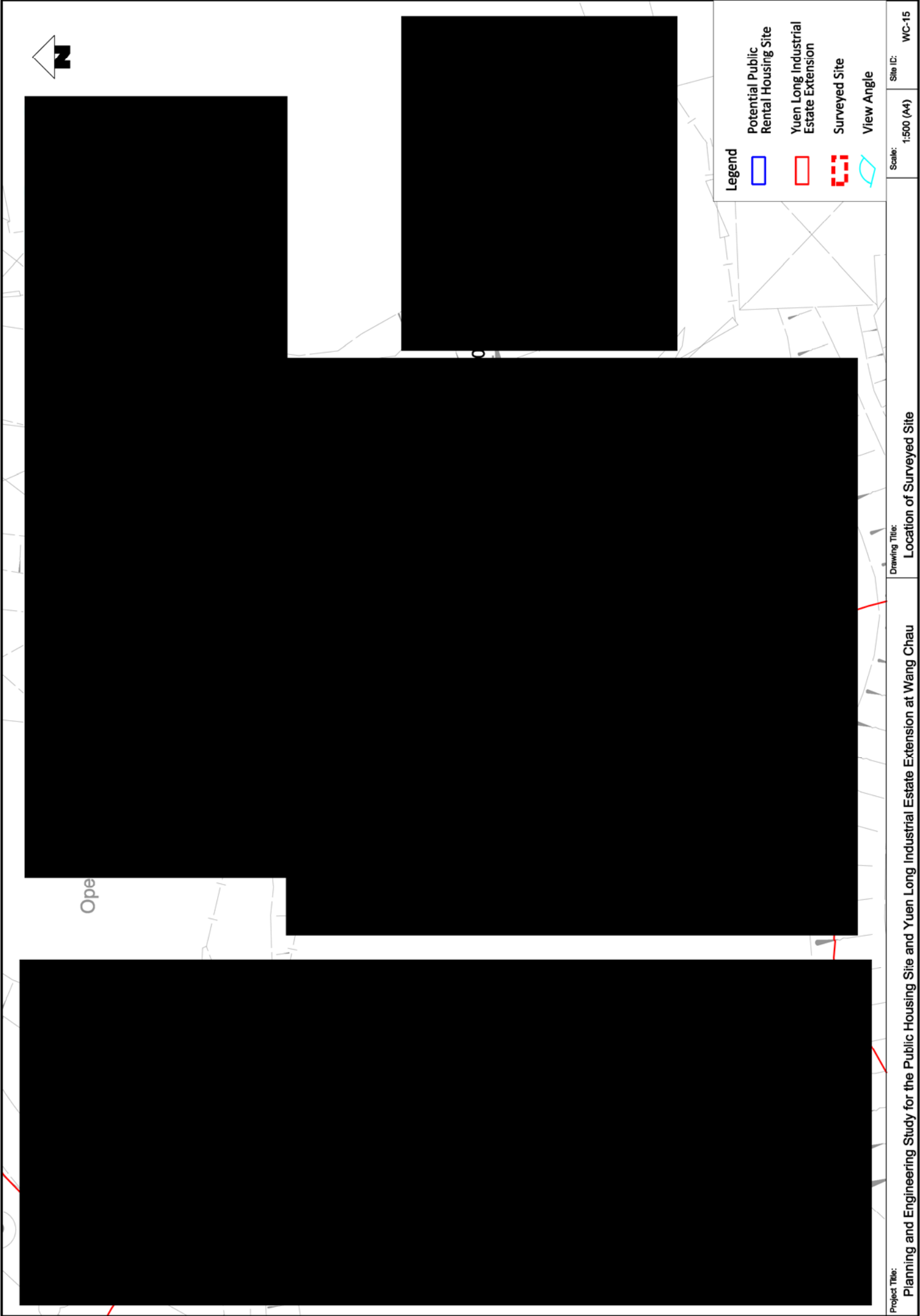


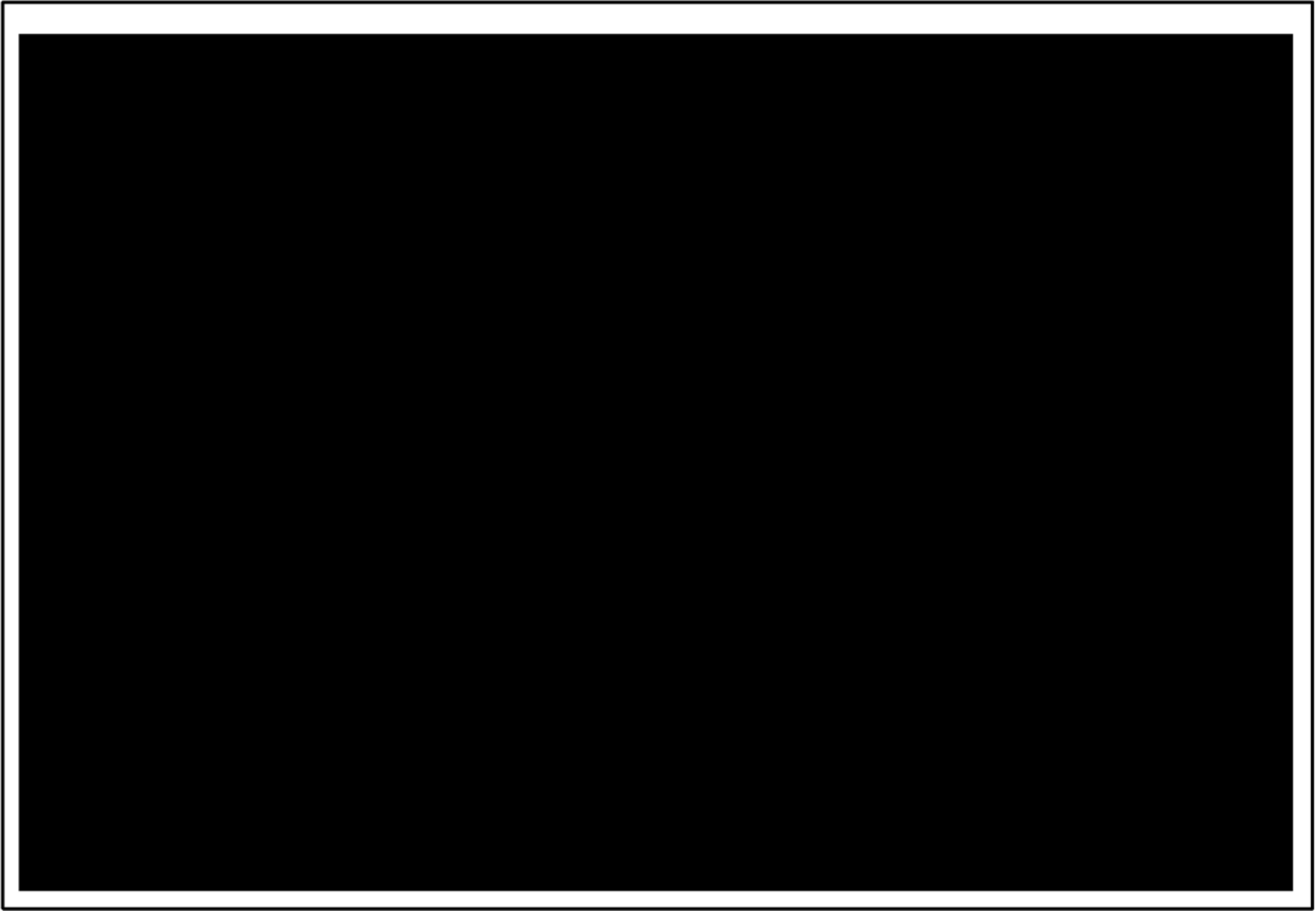
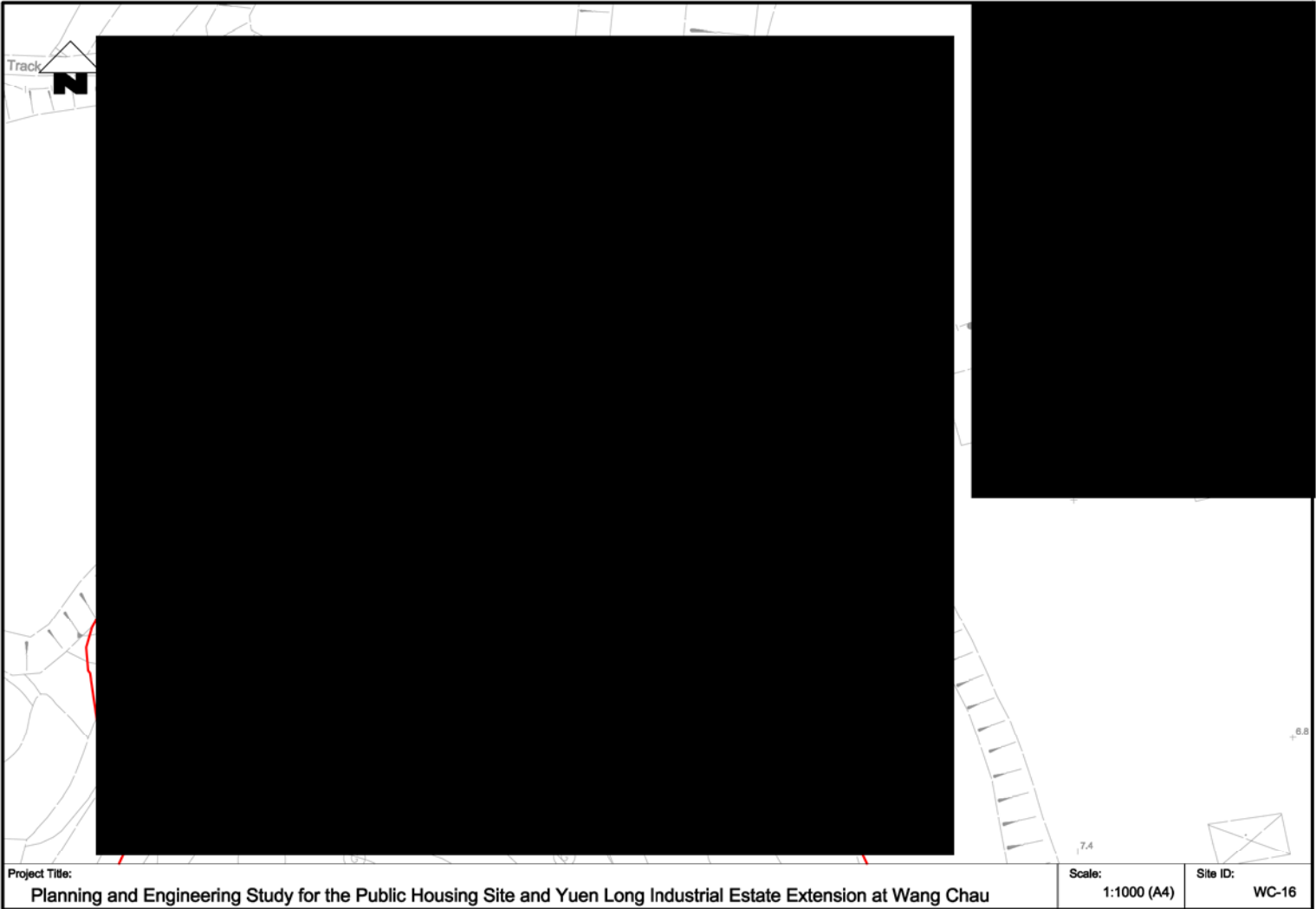
- Legend**
- Potential Public Rental Housing Site
 - Yuen Long Industrial Estate Extension
 - Surveyed Site
 - View Angle

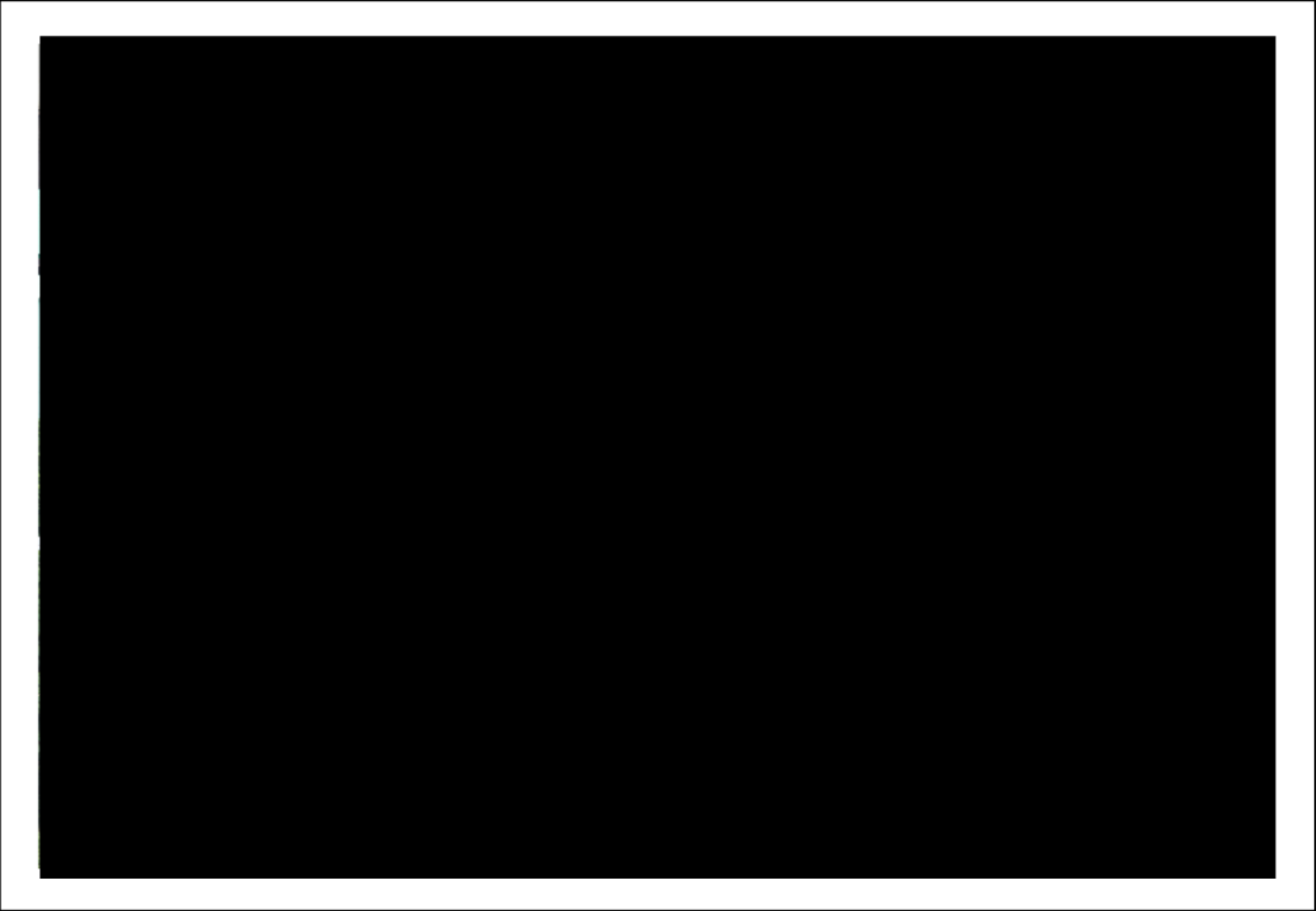
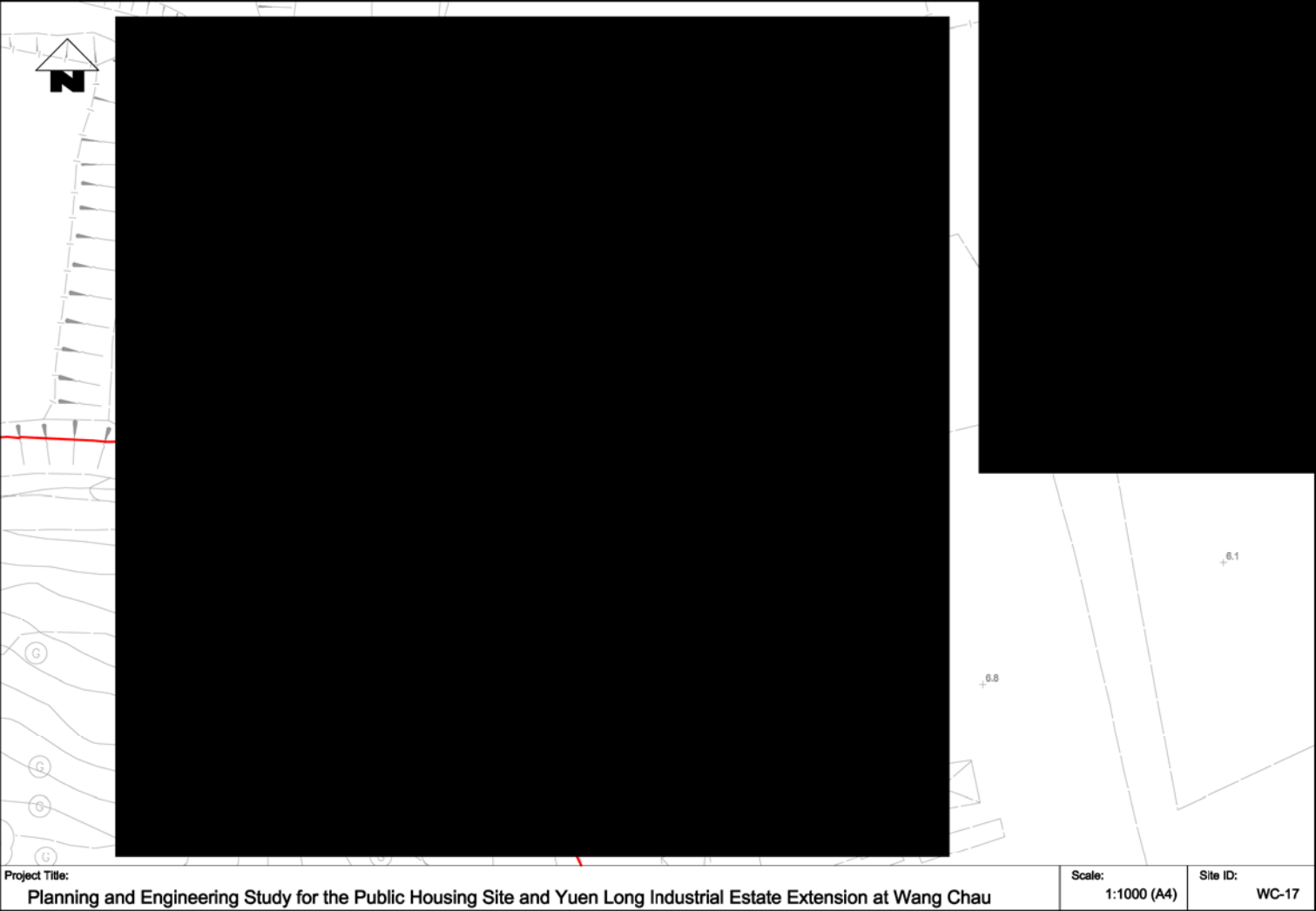


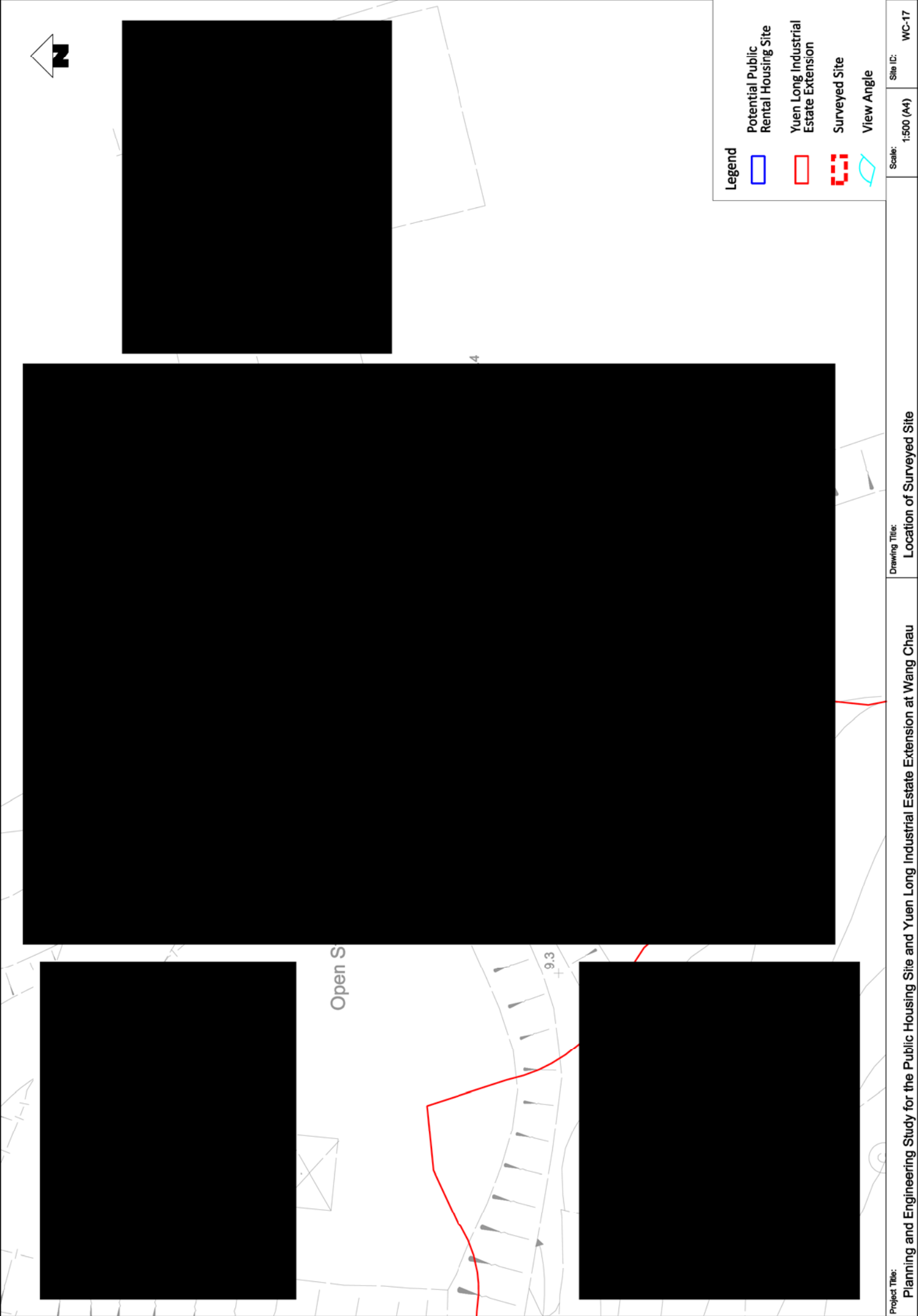




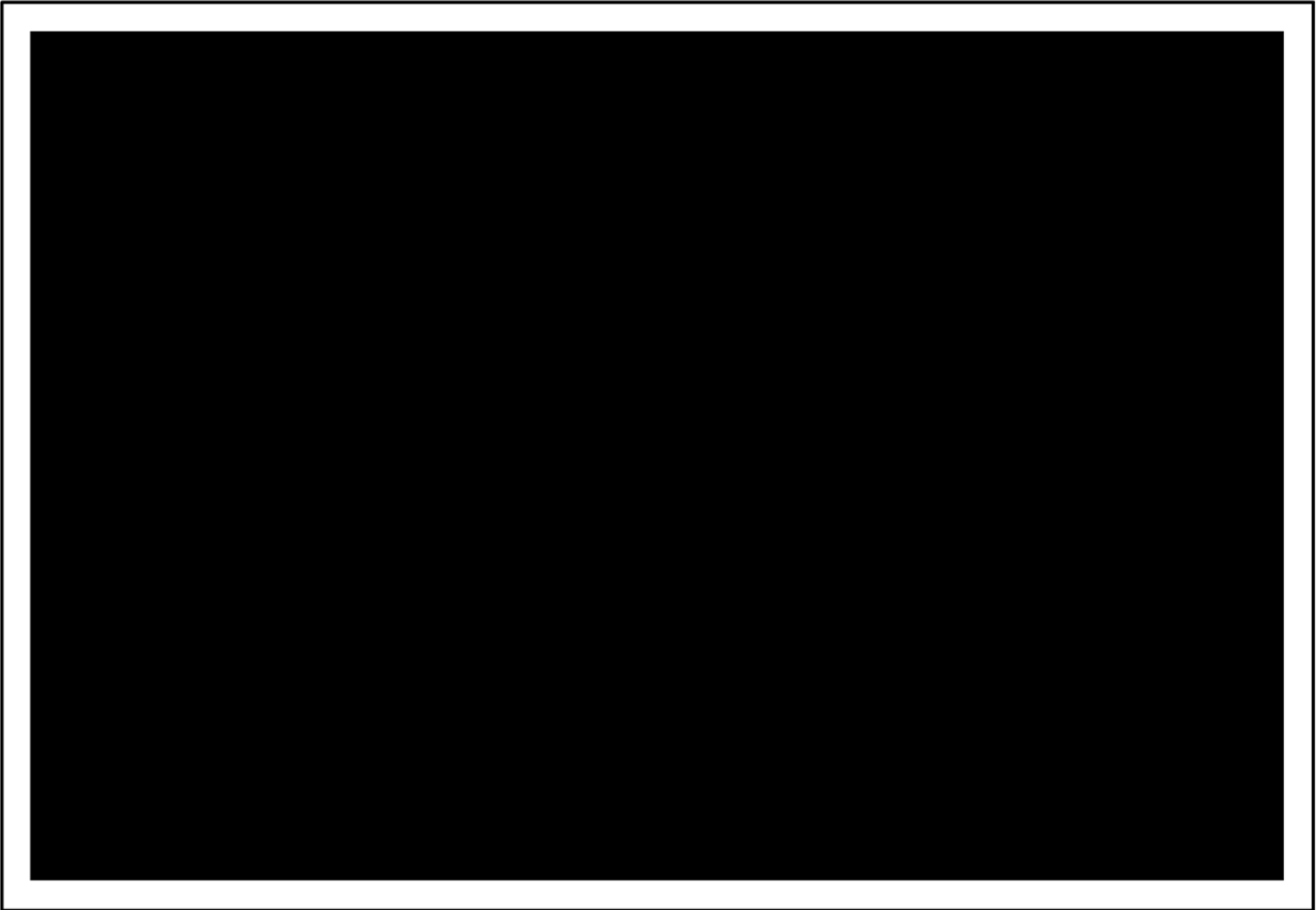
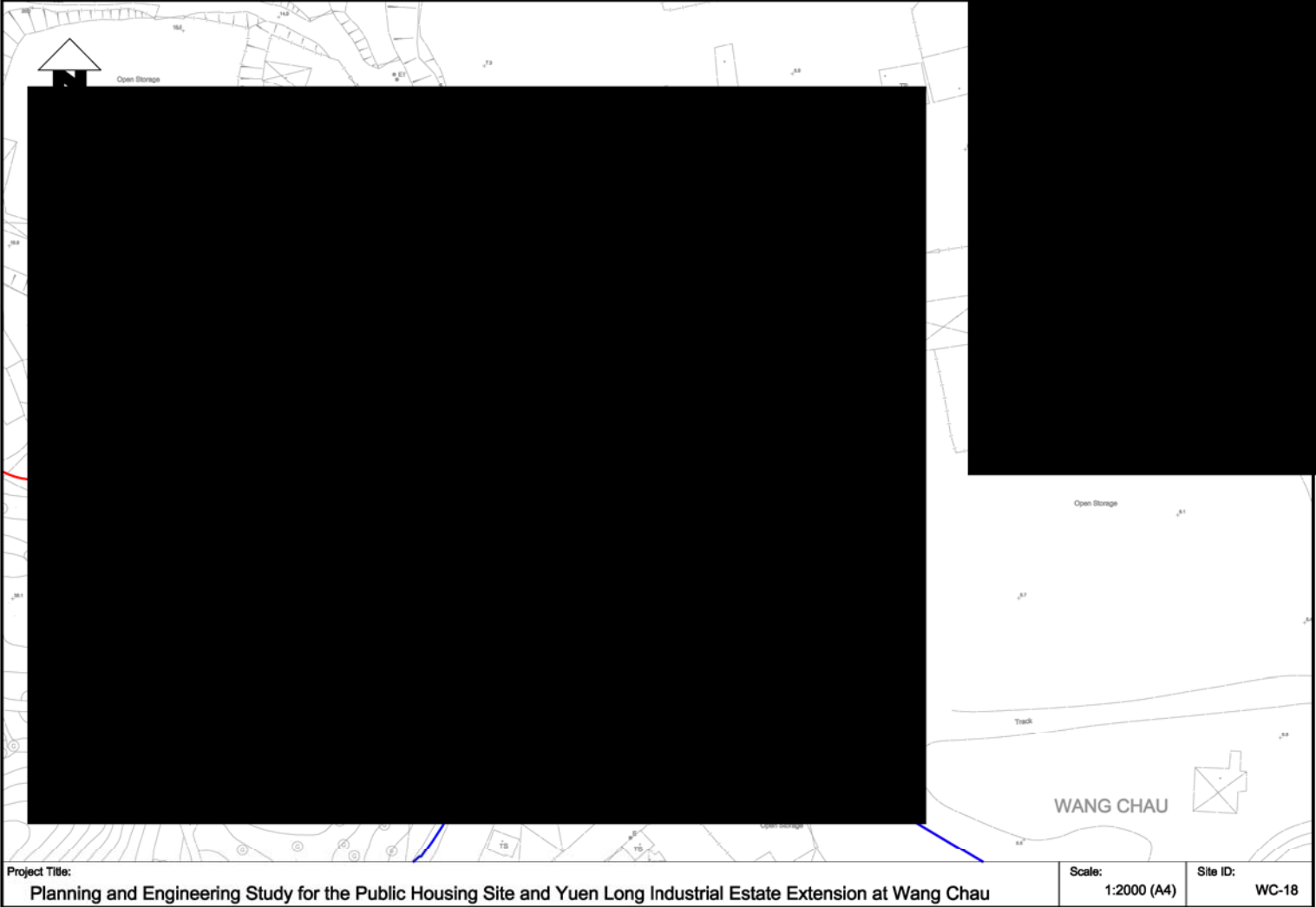


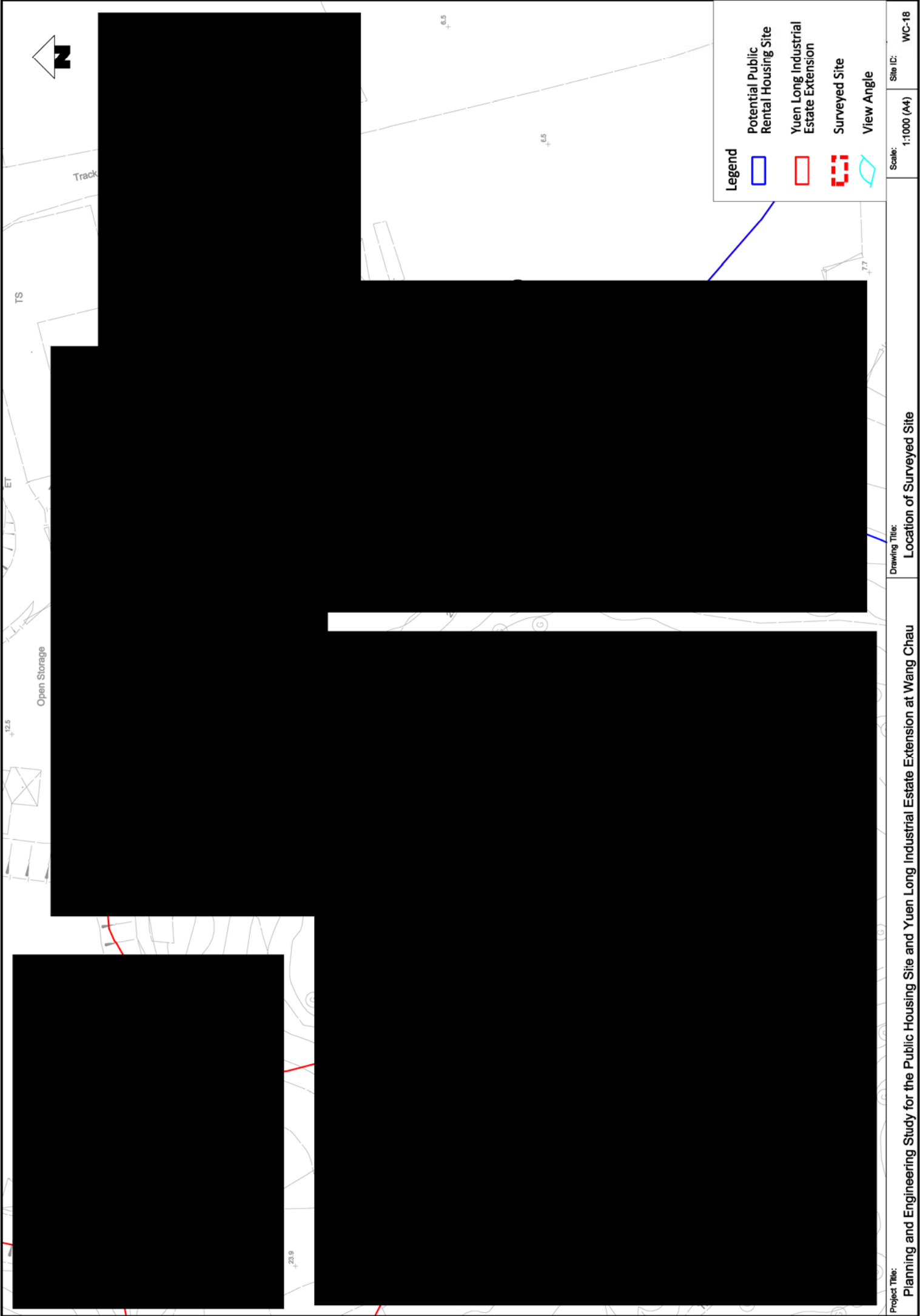


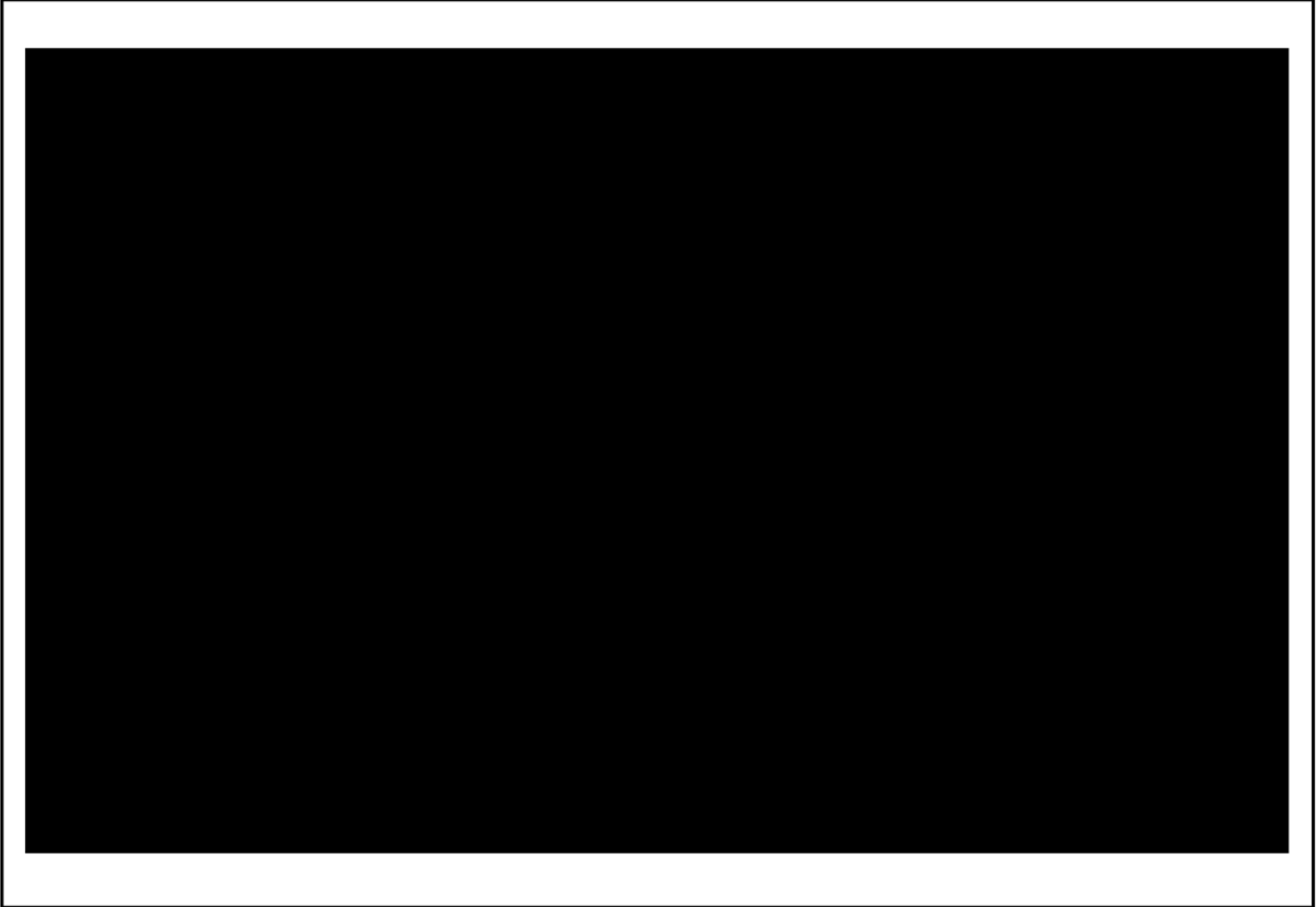
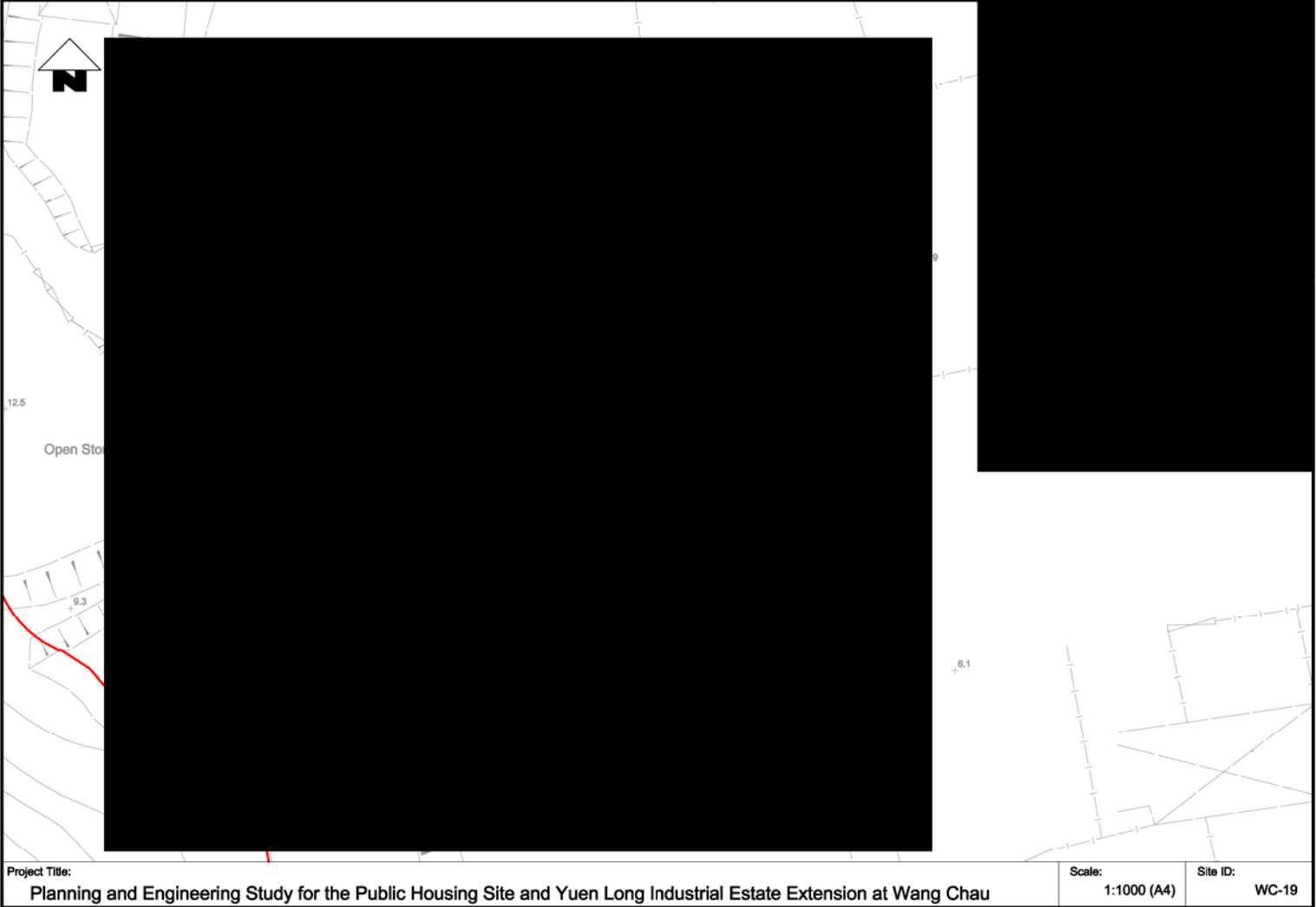


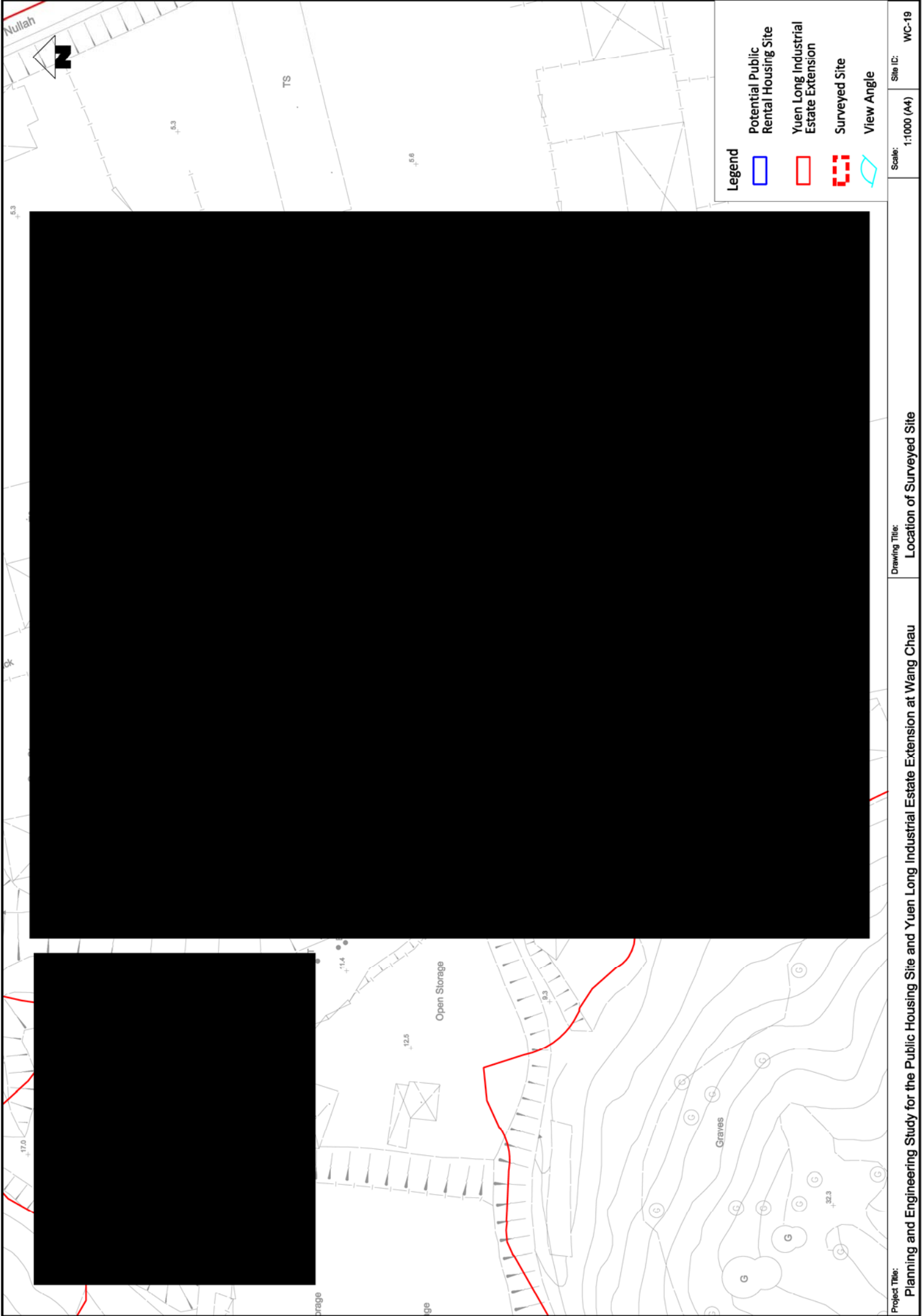


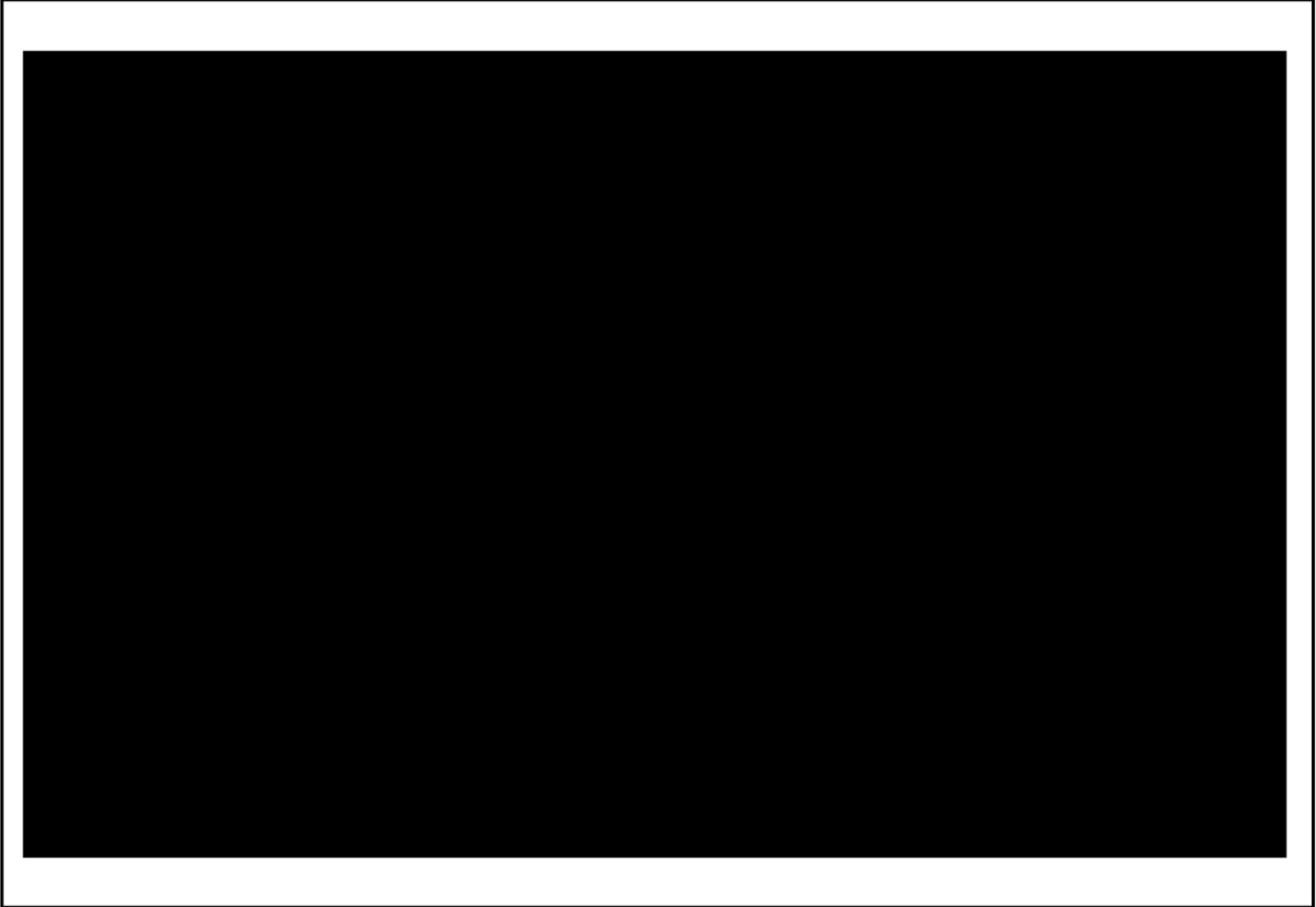
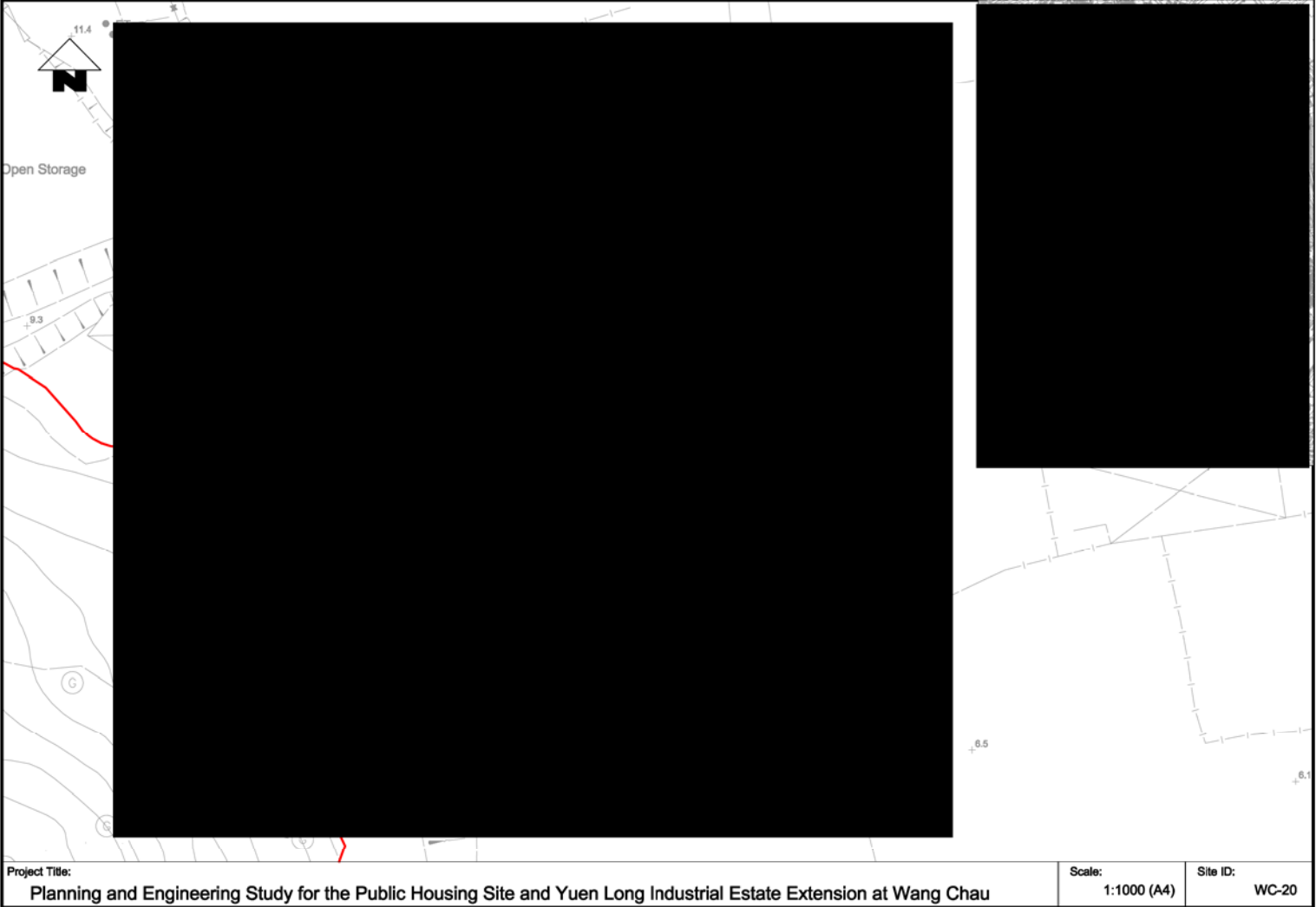
- Legend
- Potential Public Rental Housing Site
 - Yuen Long Industrial Estate Extension
 - Surveyed Site
 - View Angle

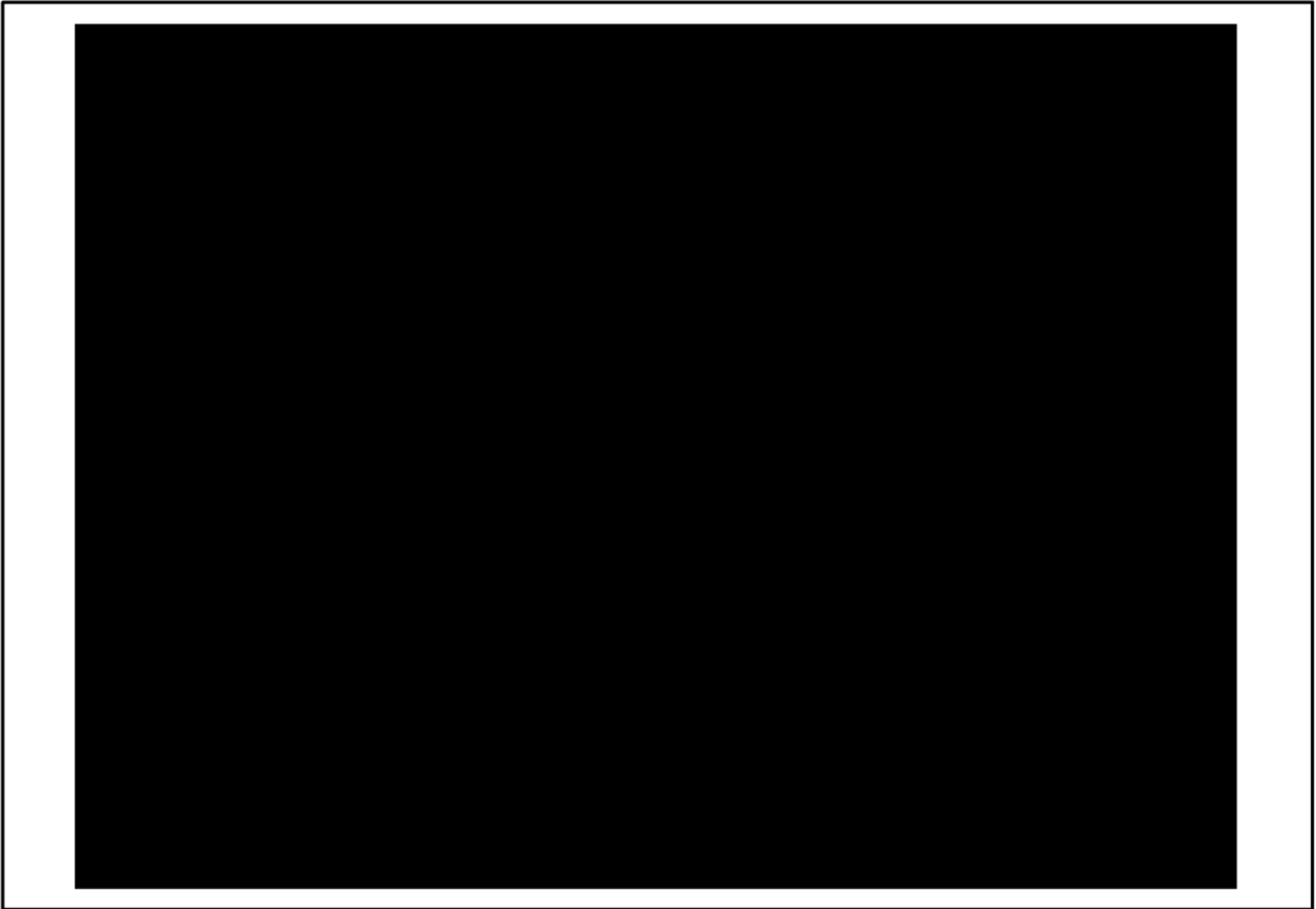














+4.9

Nullah

Nullah

+8.5

Legend

Potential Public Rental Housing Site



Yuen Long Industrial Estate Extension



Surveyed Site



View Angle



Project Title:

Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

Drawing Title:

Location of Surveyed Site

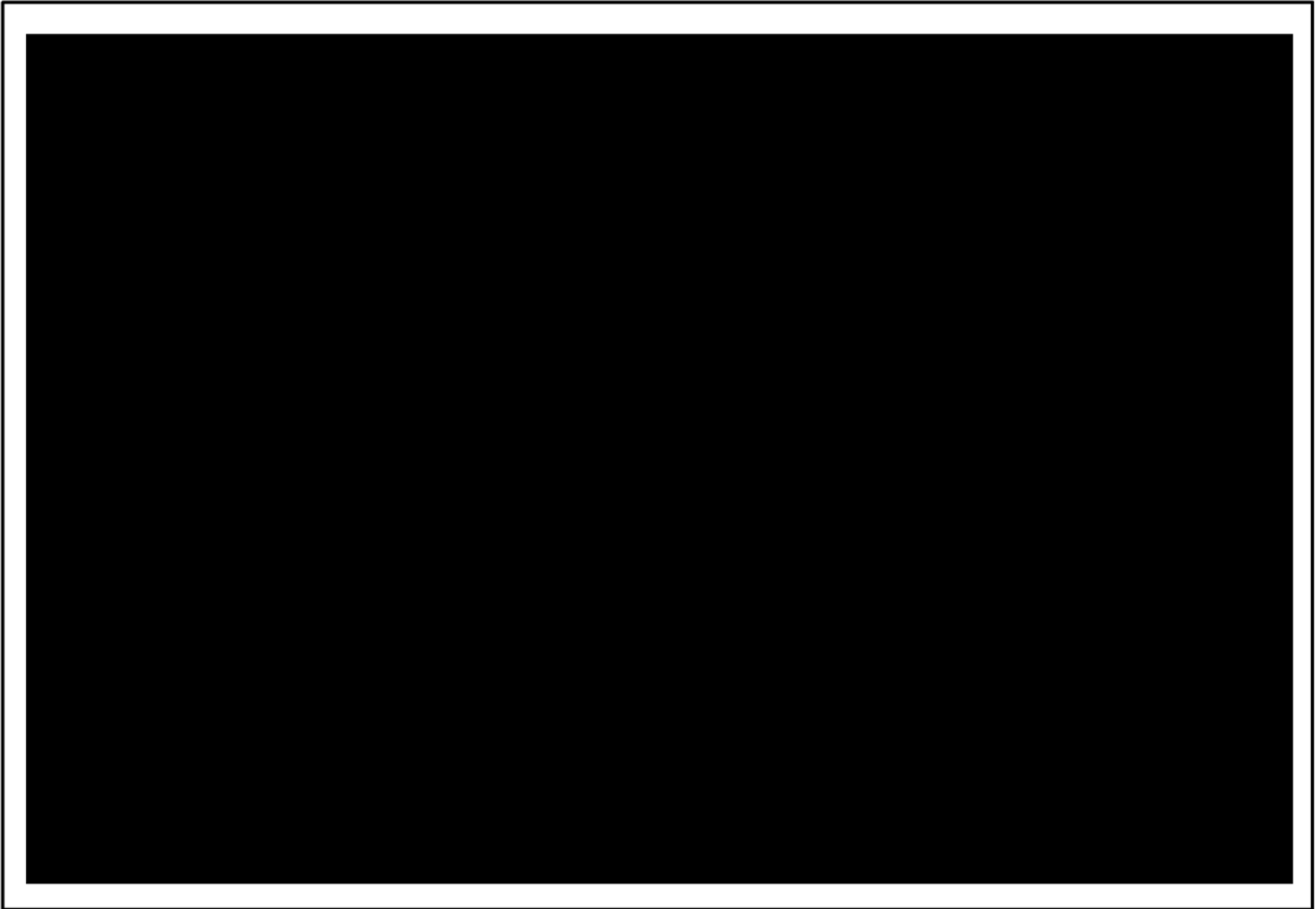
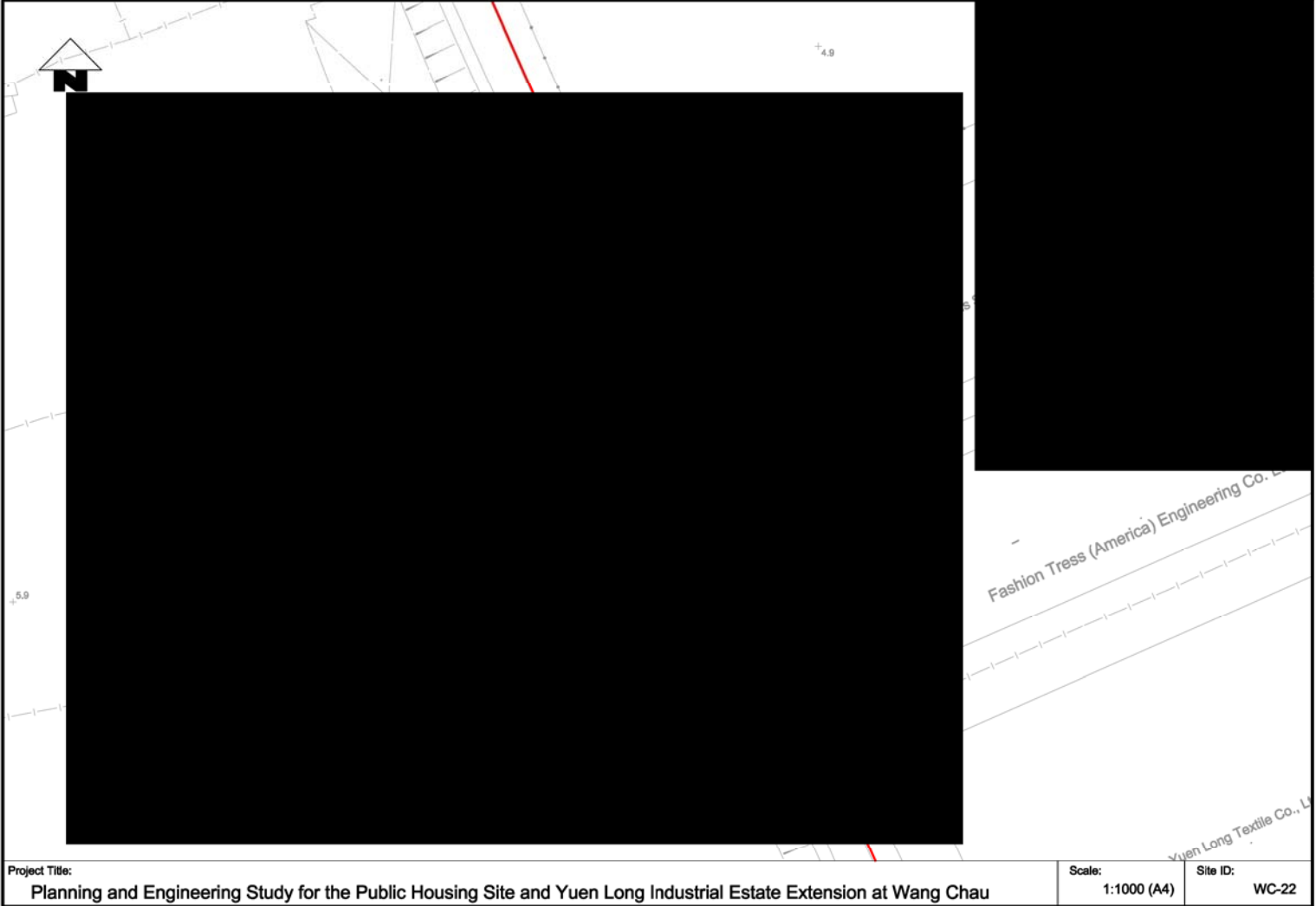
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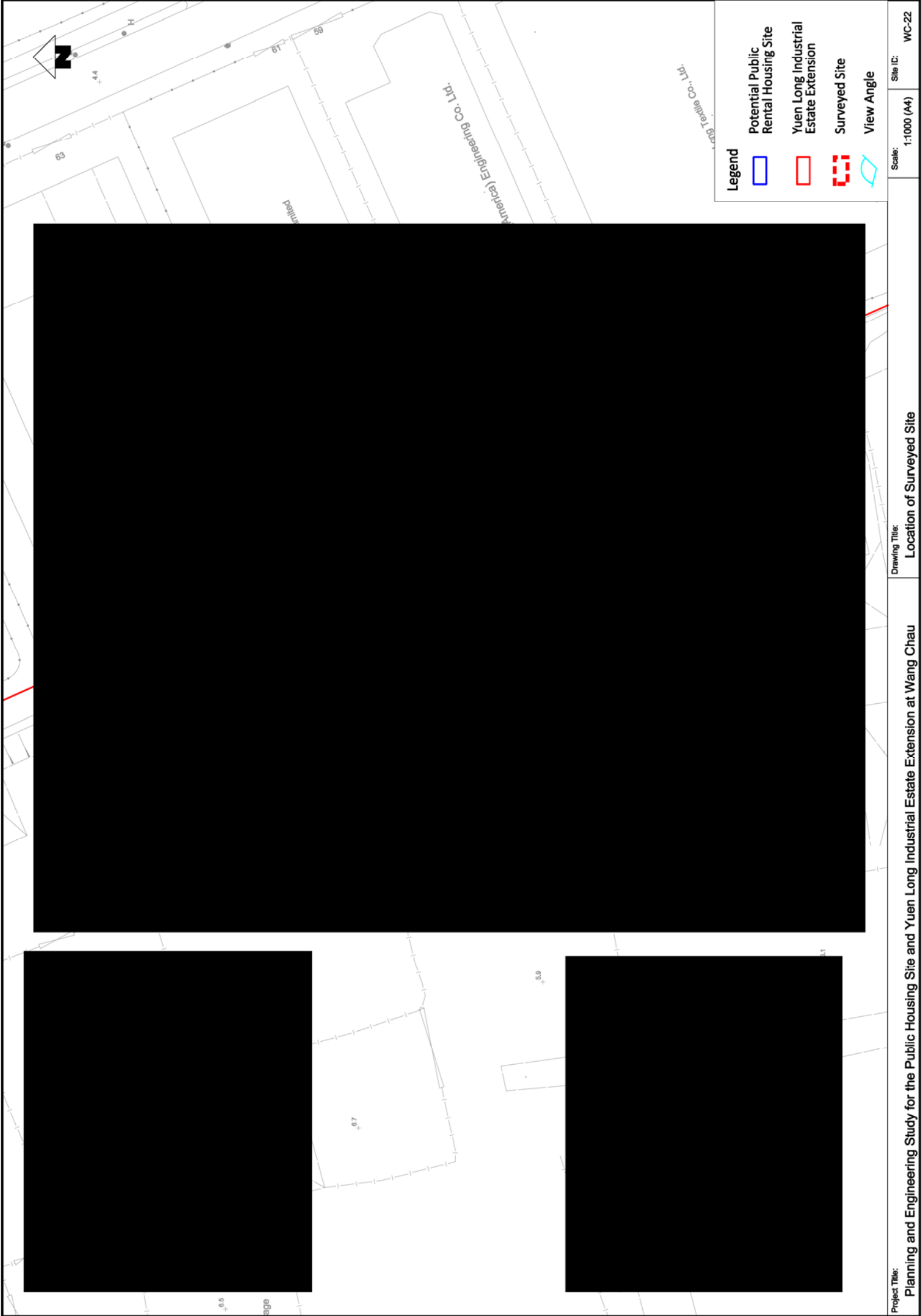
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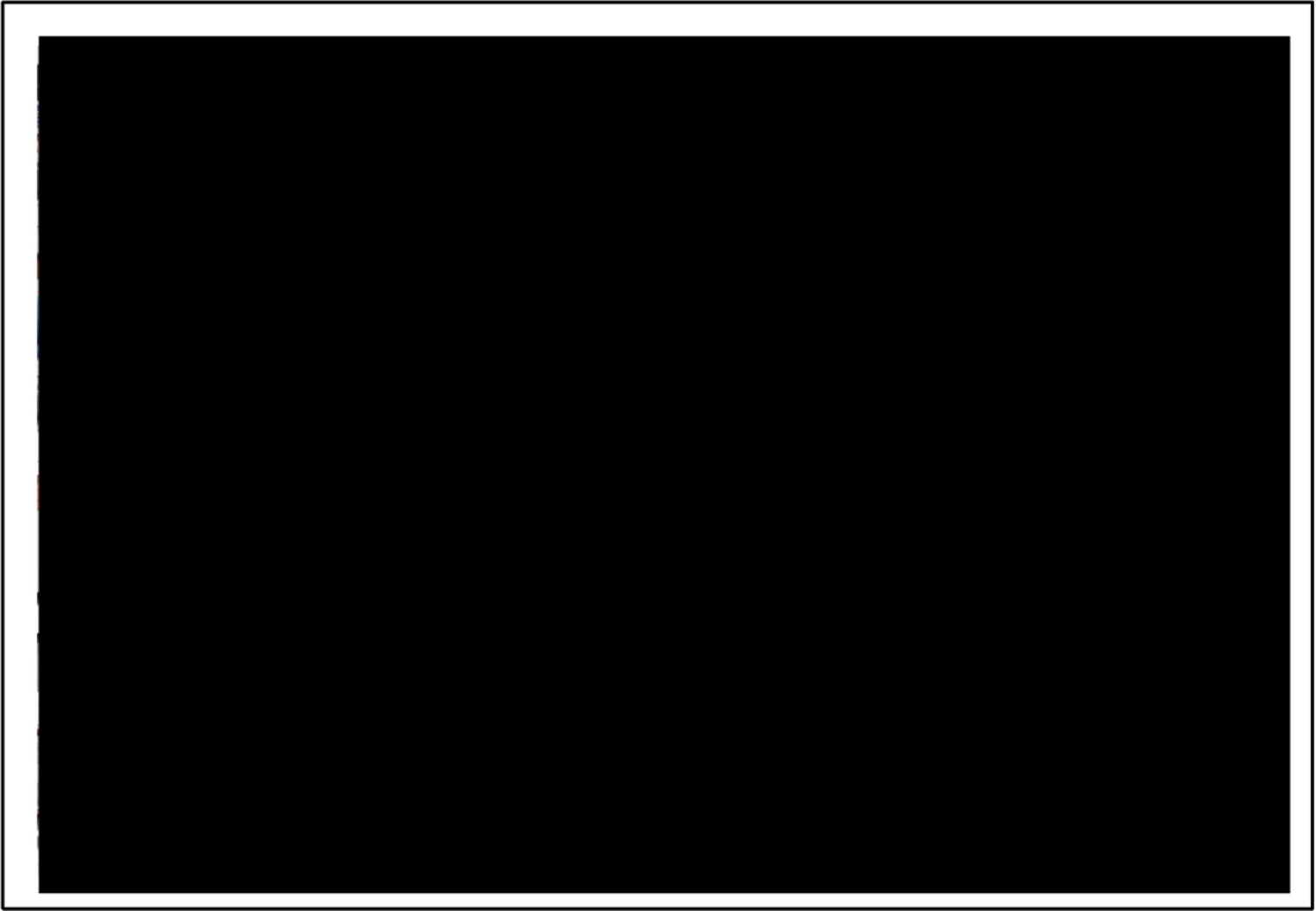
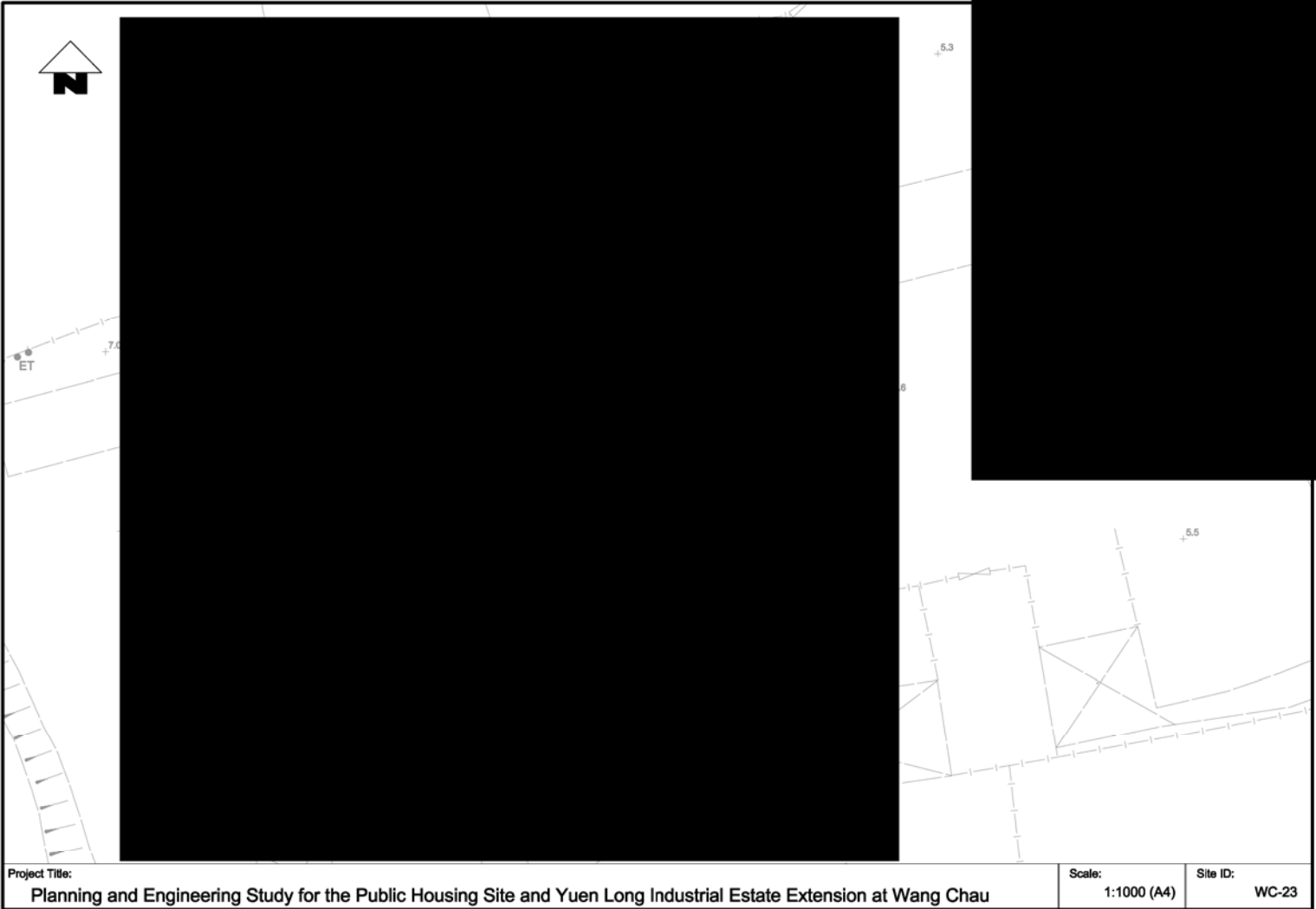
Site IC:

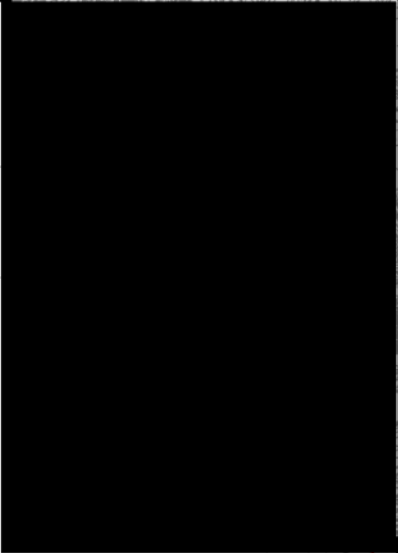
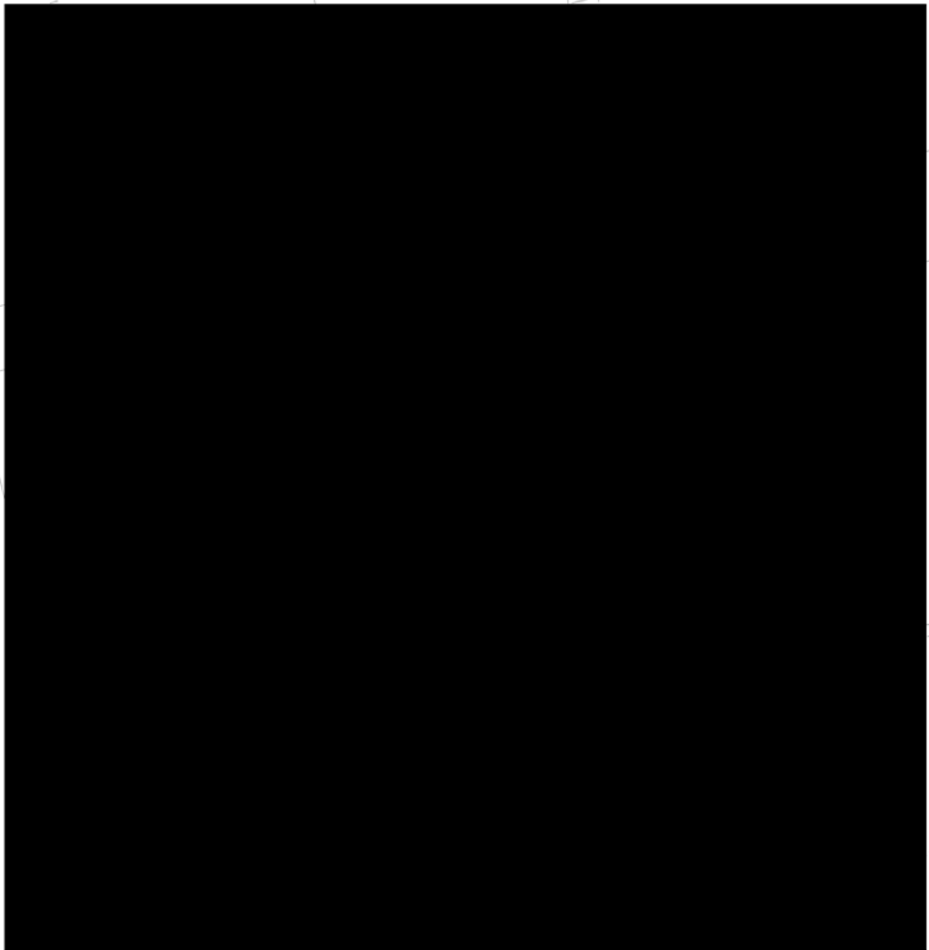
WC-21

Photo







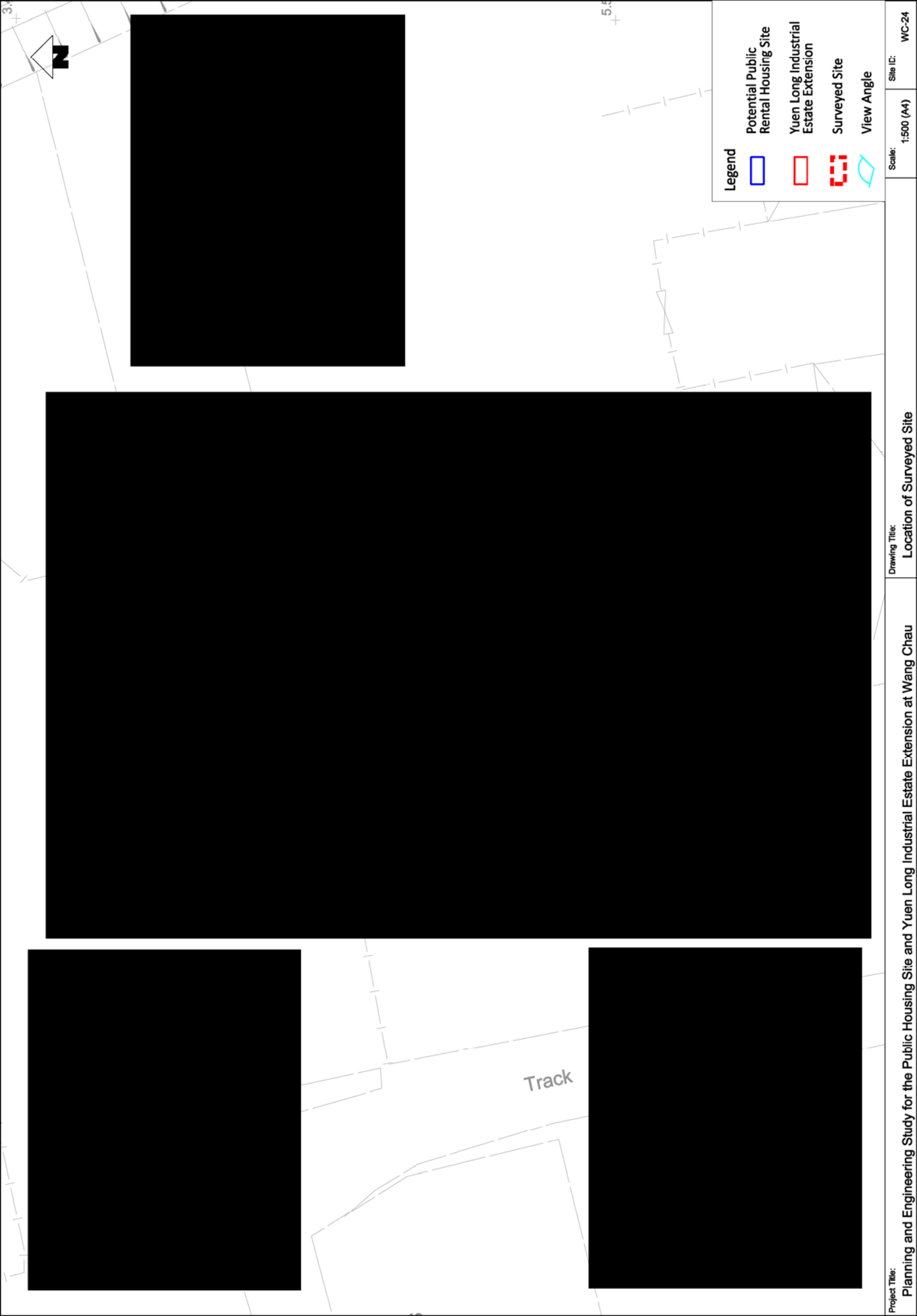


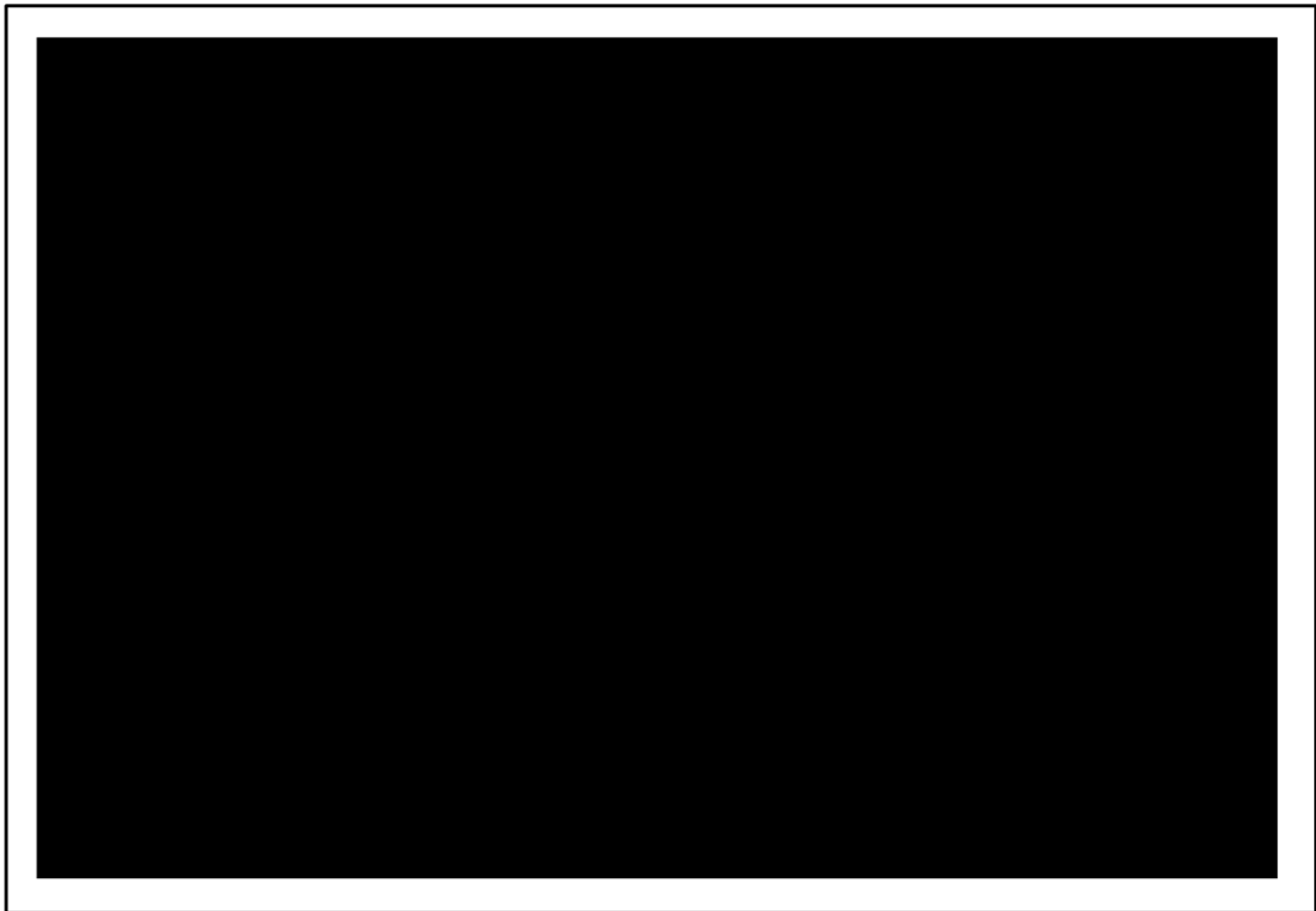
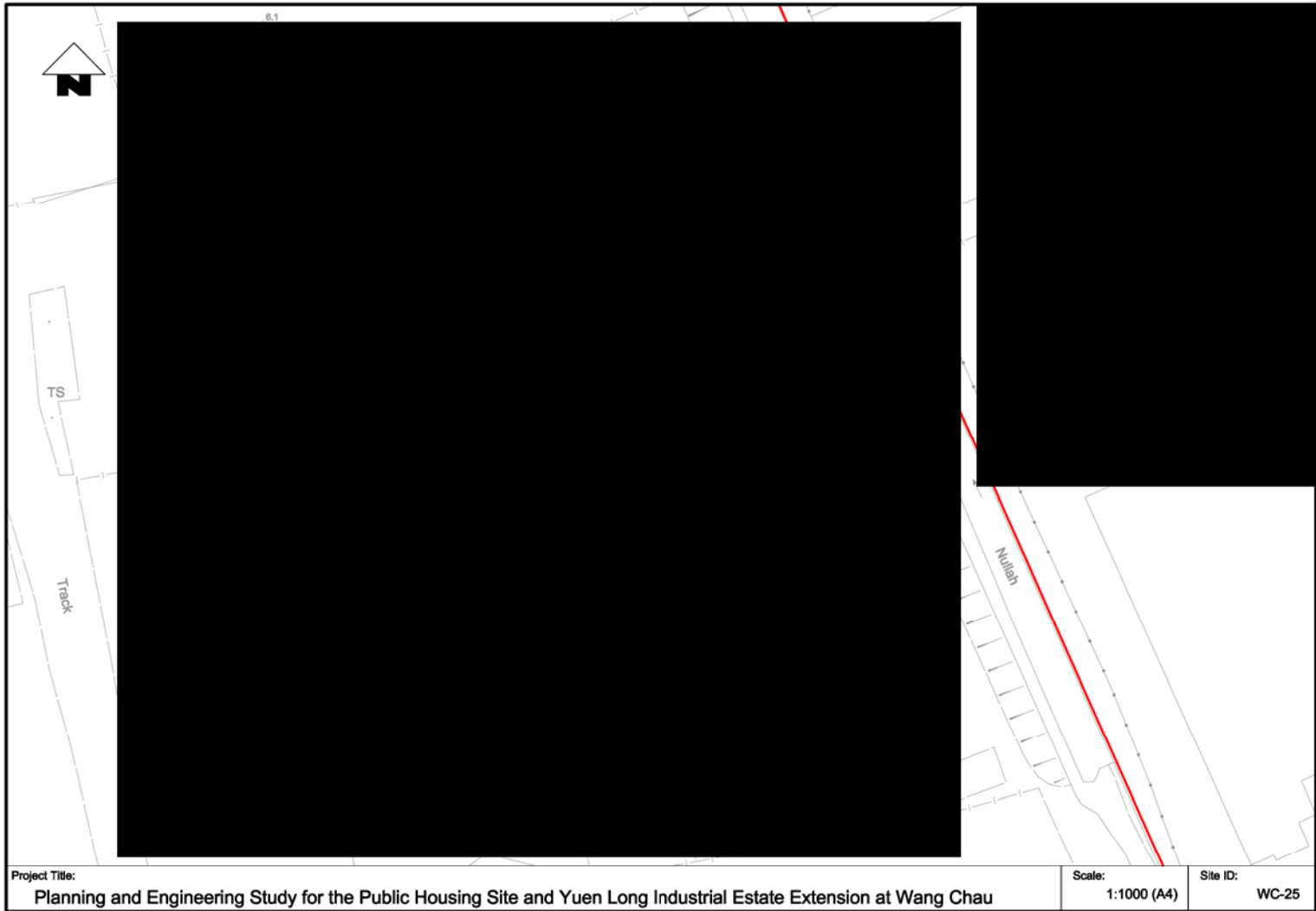
Project Title:
Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

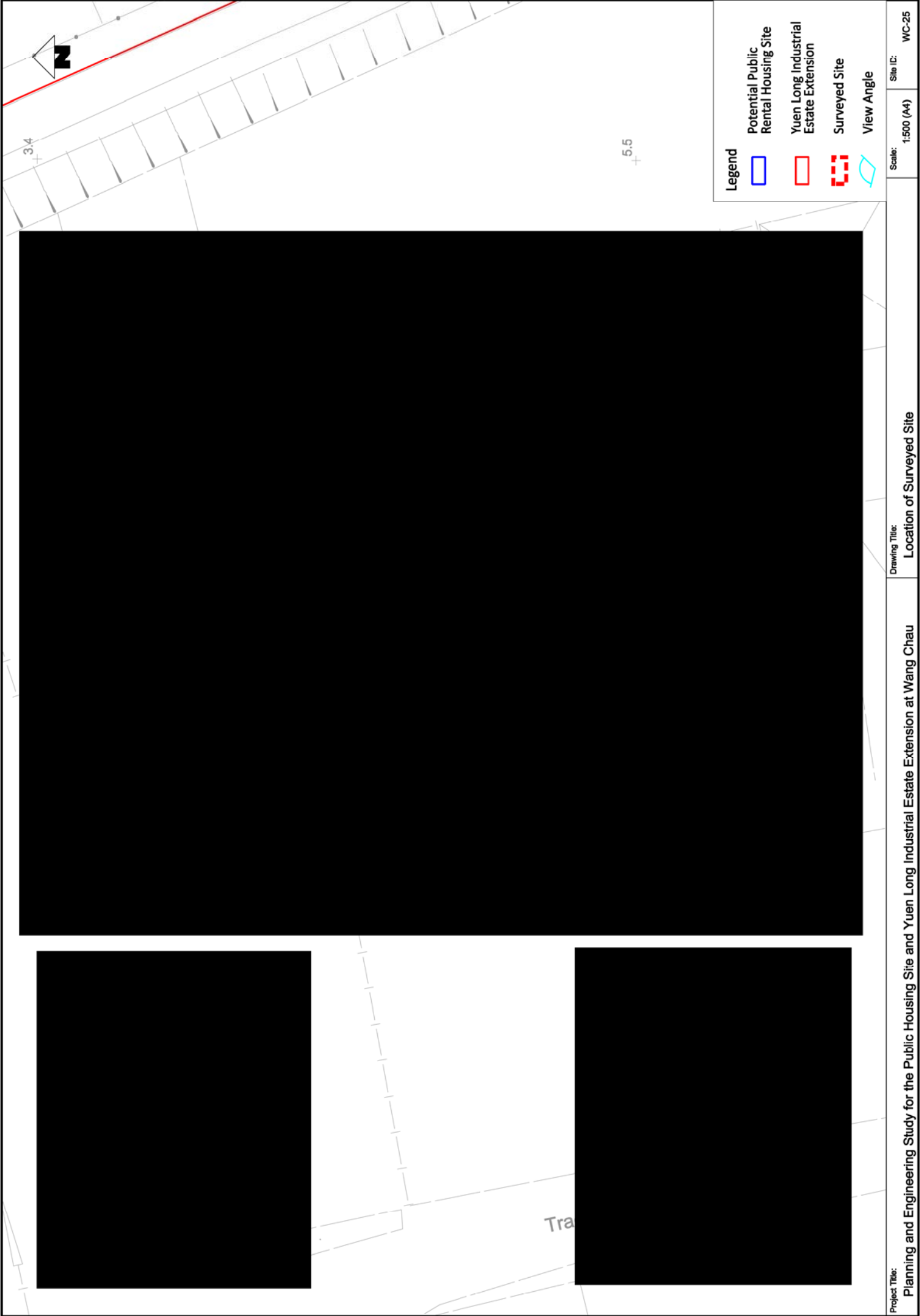
Scale:
1:1000 (A4)

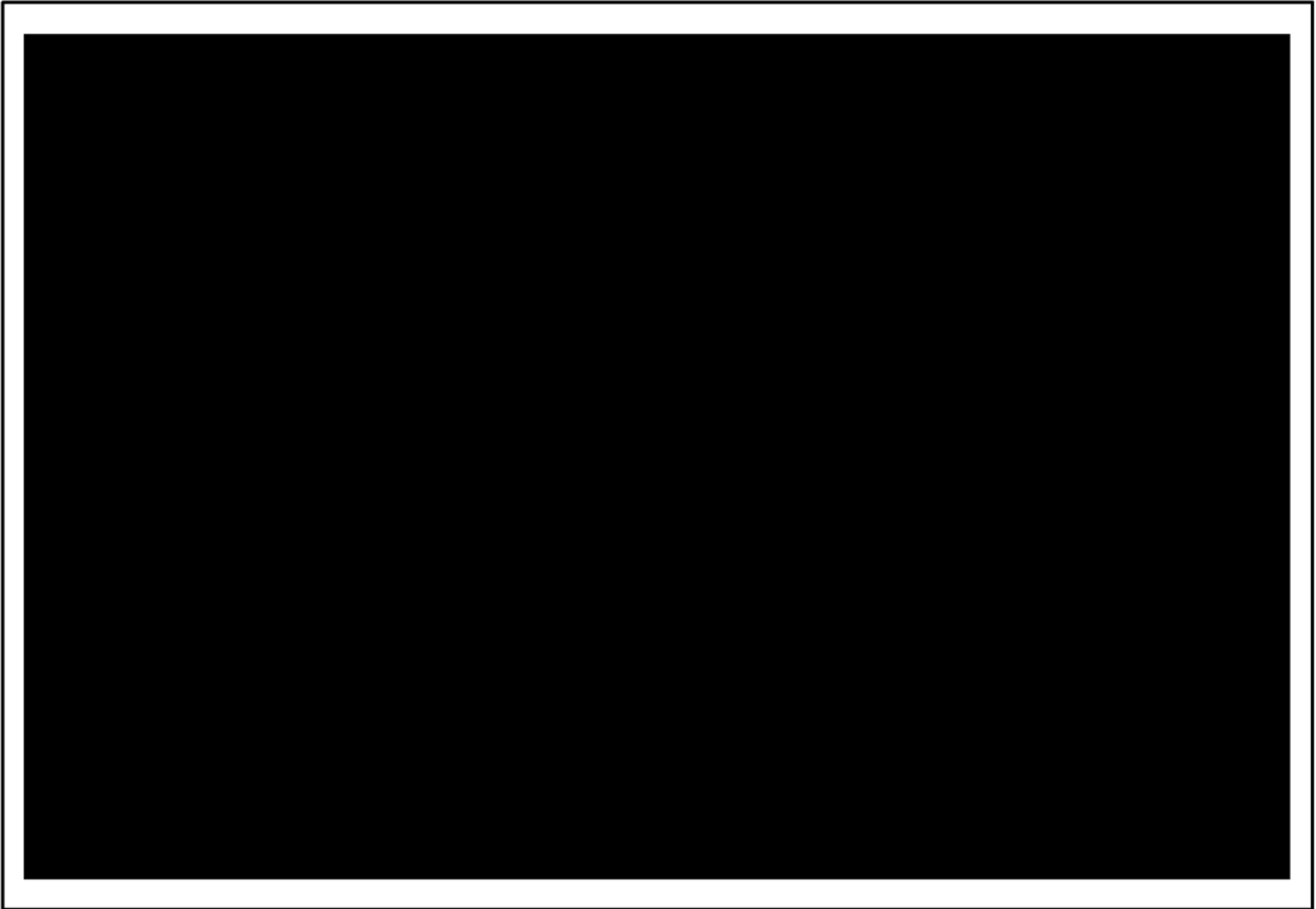
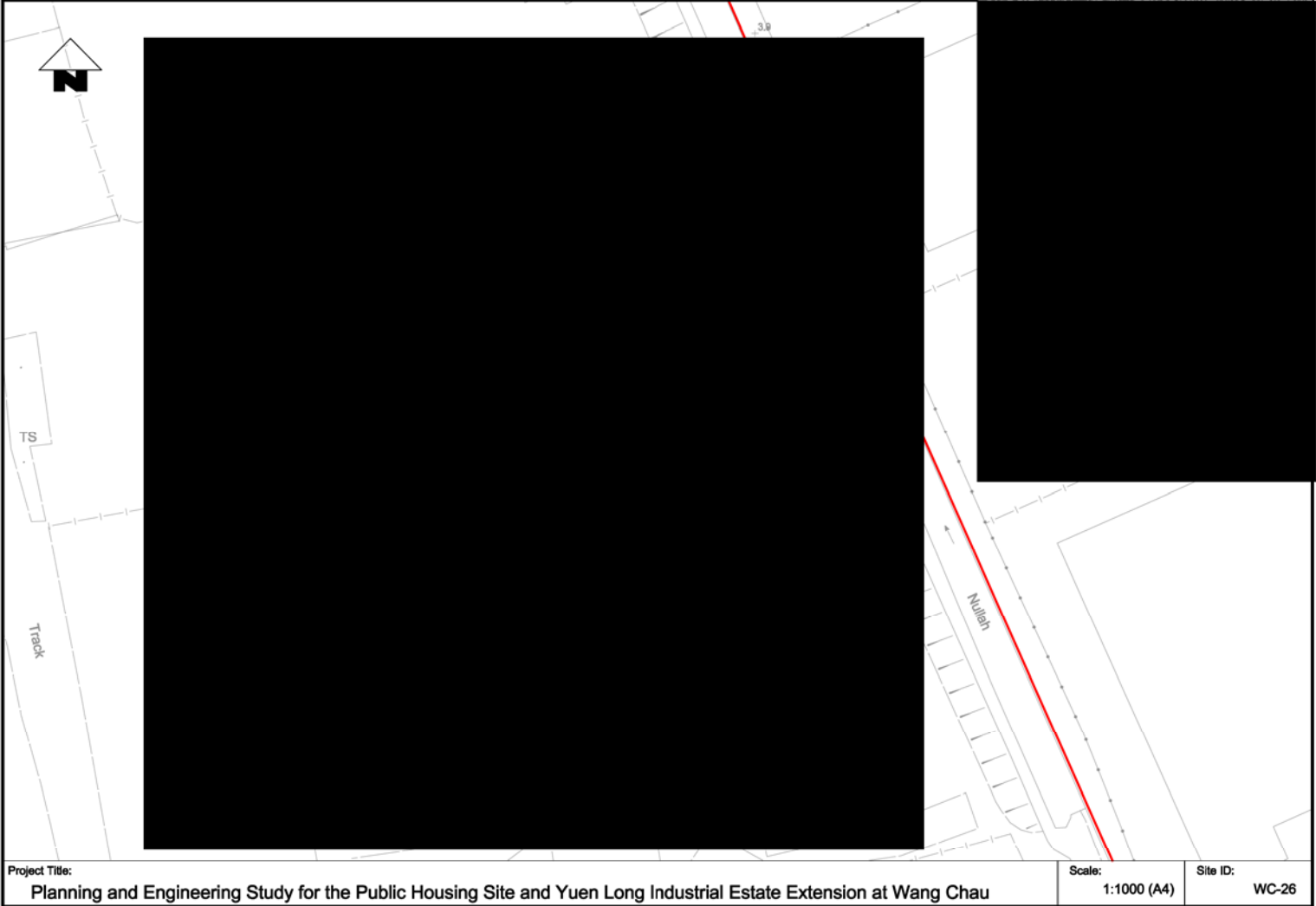
Site ID:
WC-24

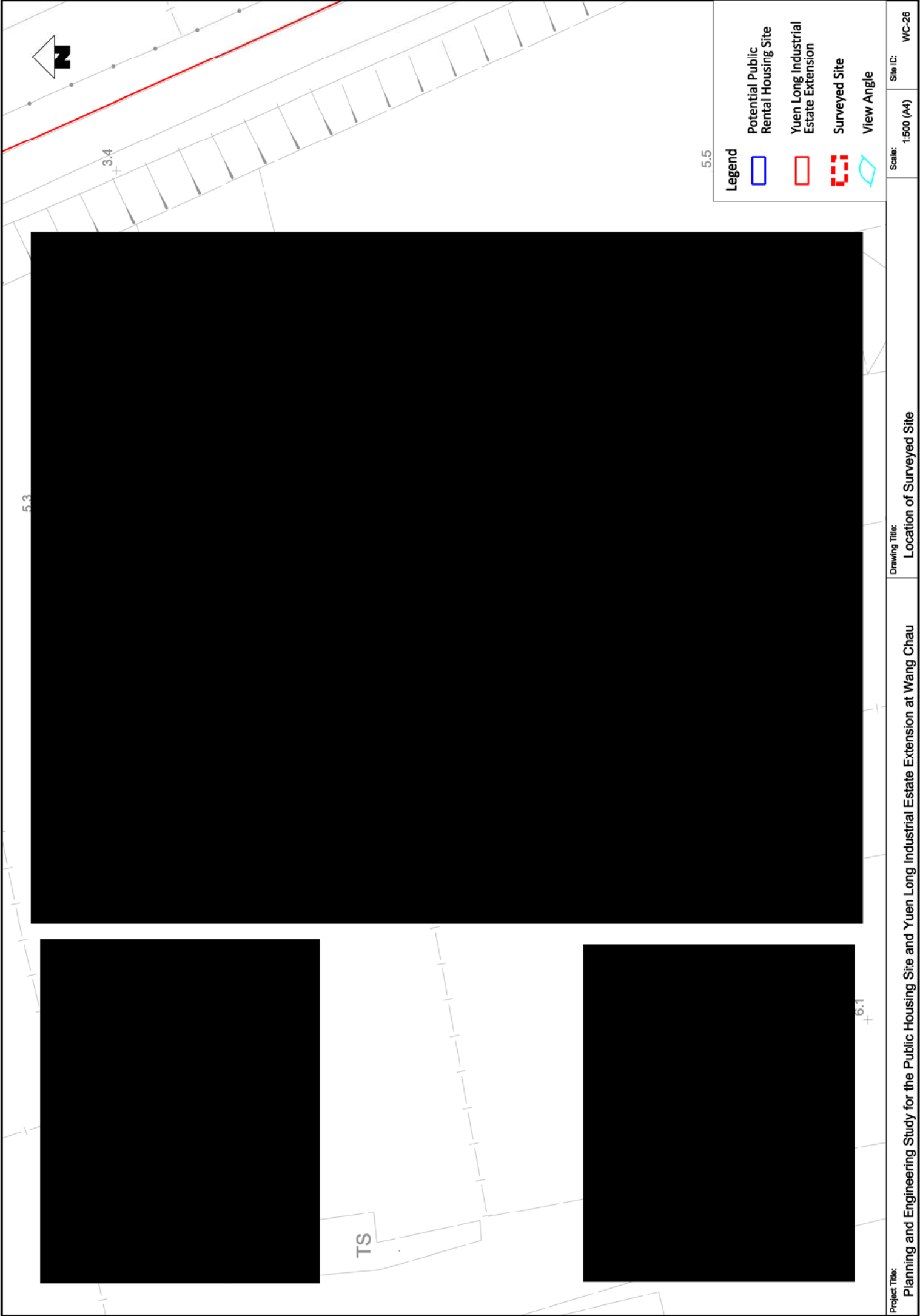












Project Title:

Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

Drawing Title:

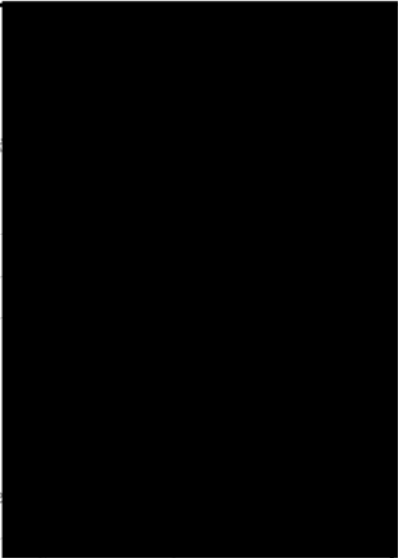
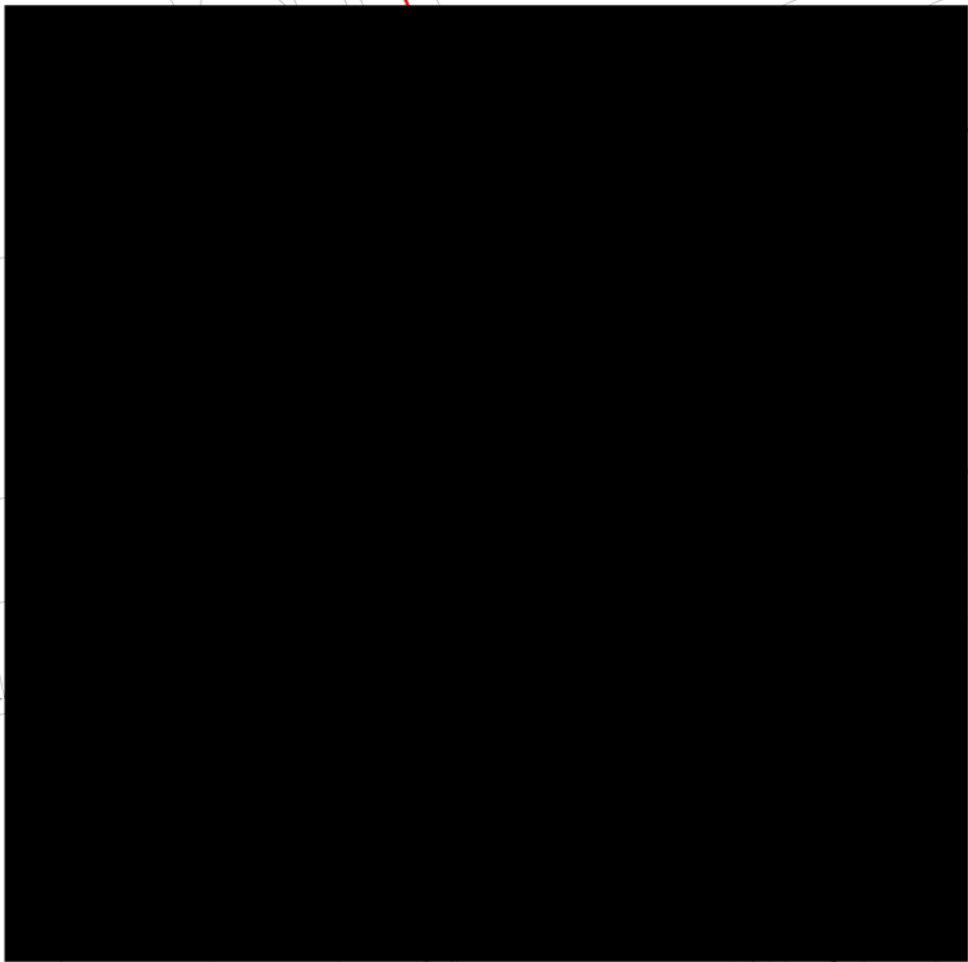
Location of Surveyed Site

Scale:

1:500 (A4)

Site ID:

WC-26



Yuen Long Textile Co., Ltd.

Project Title:

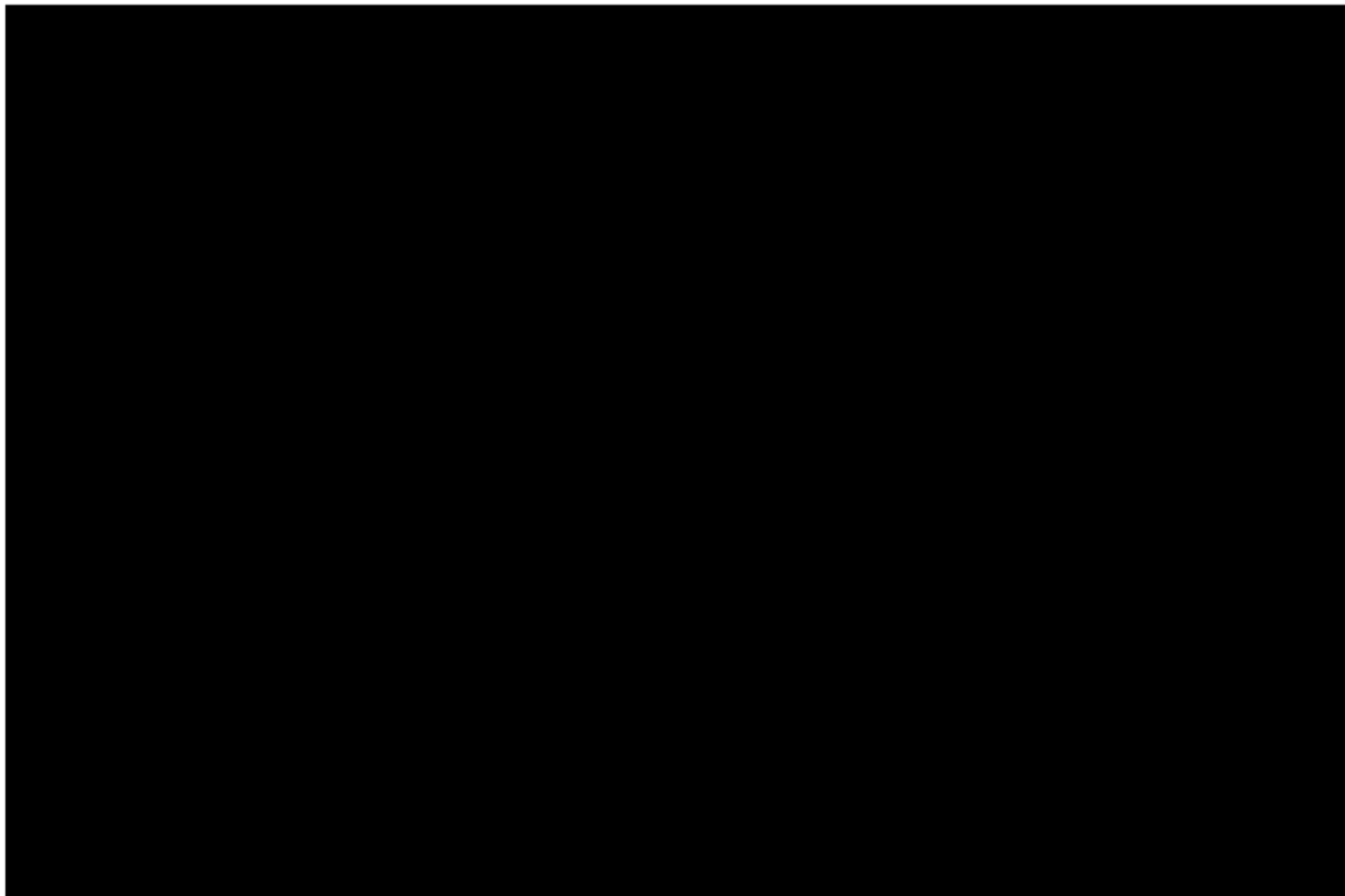
Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

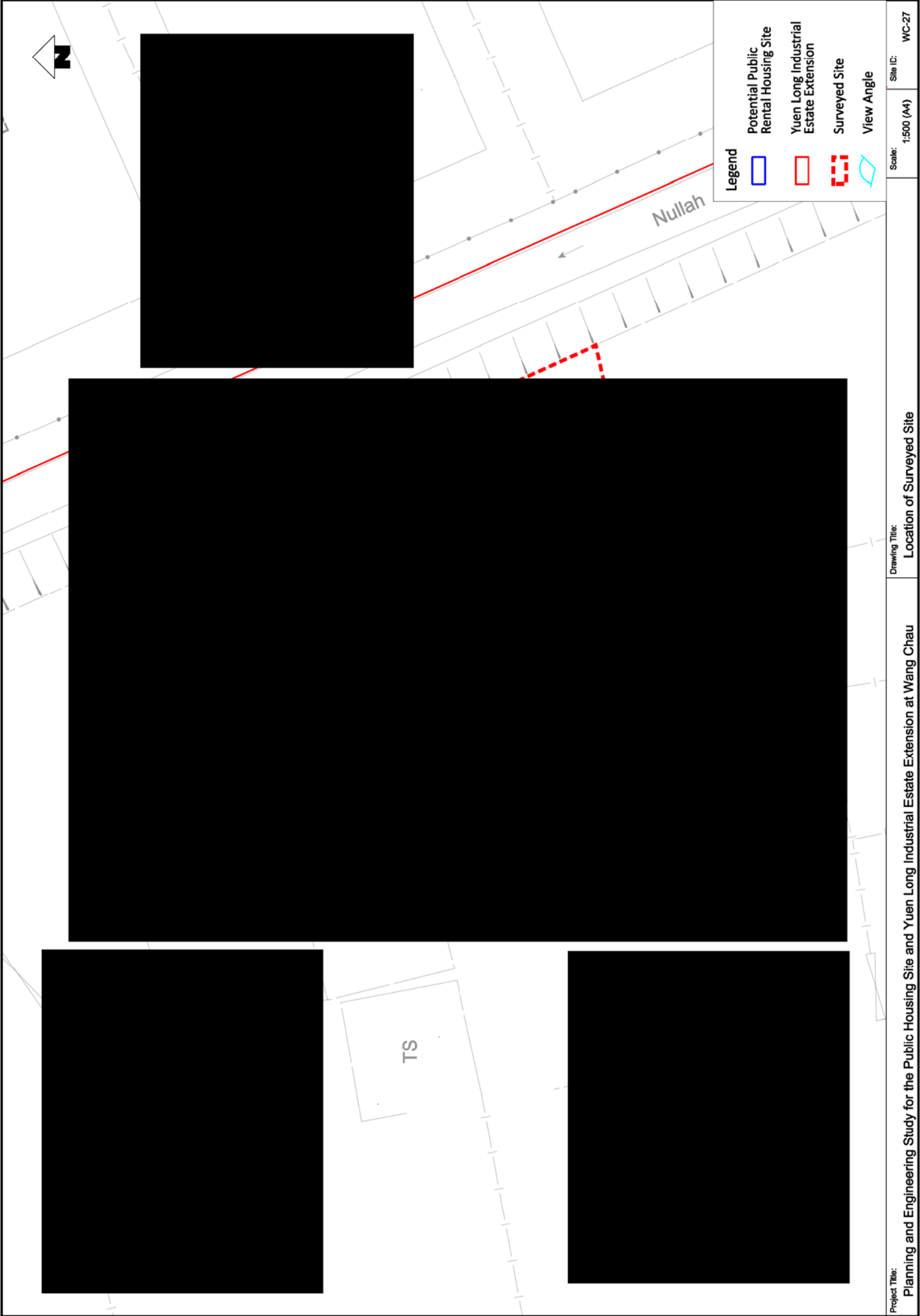
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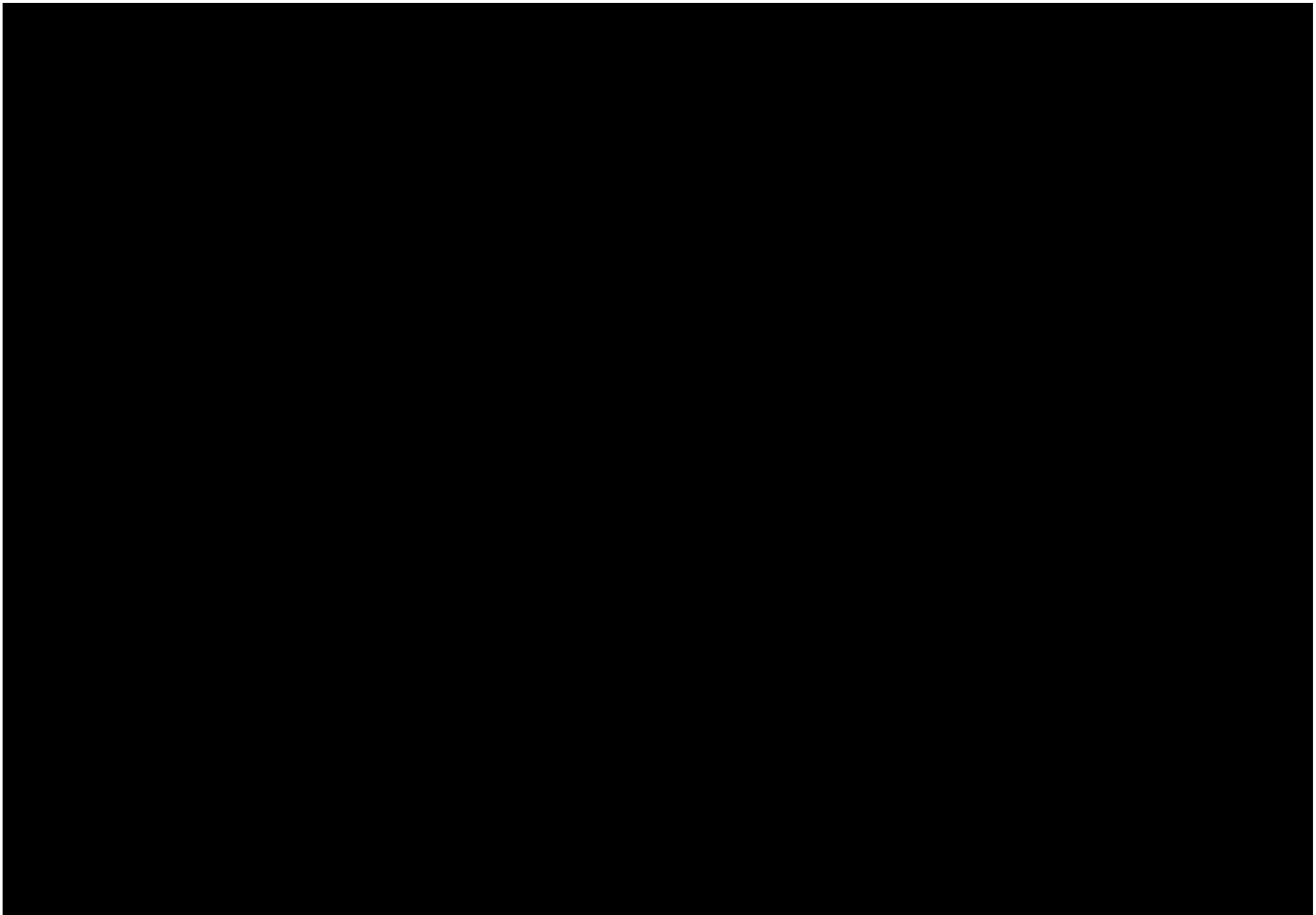
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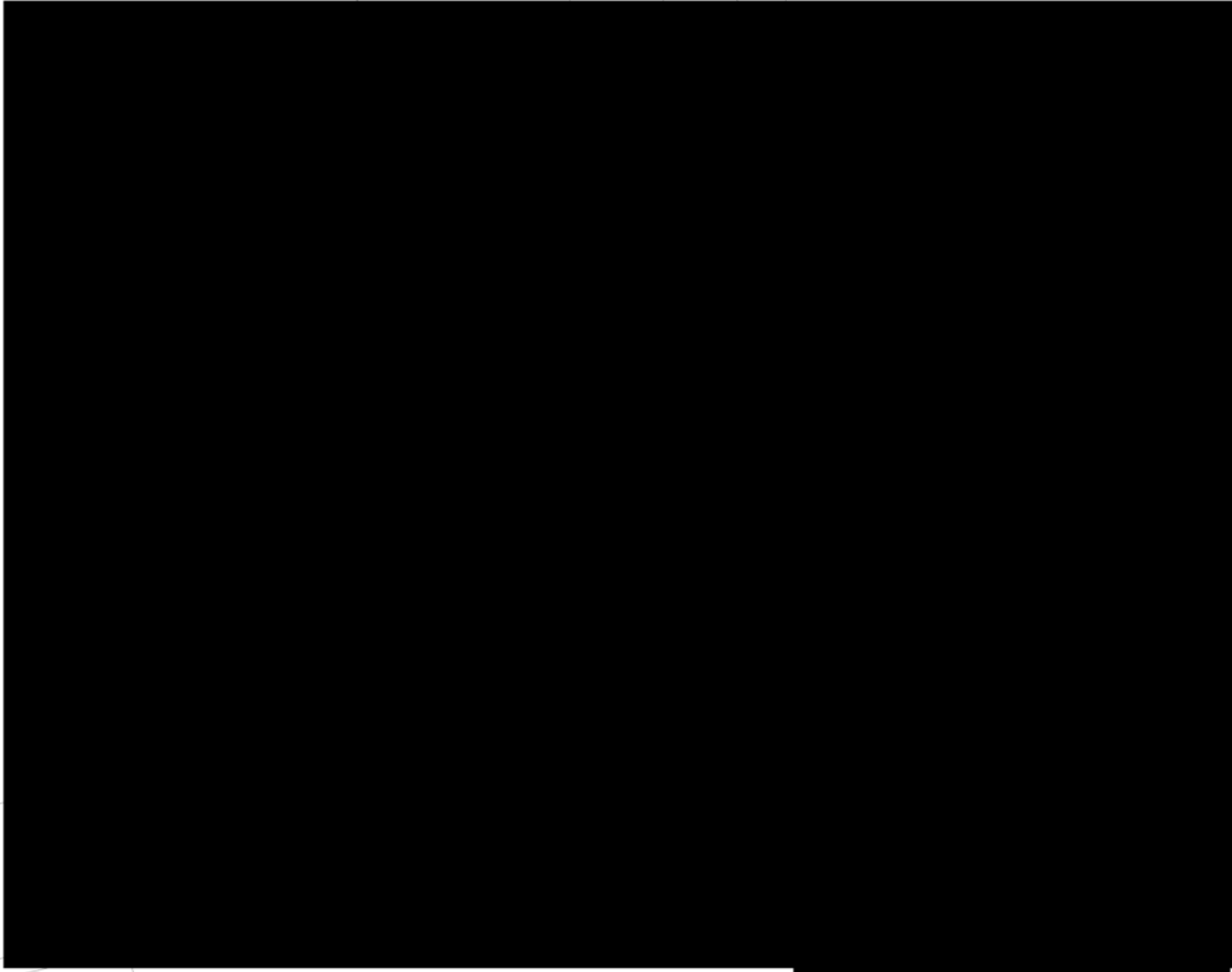
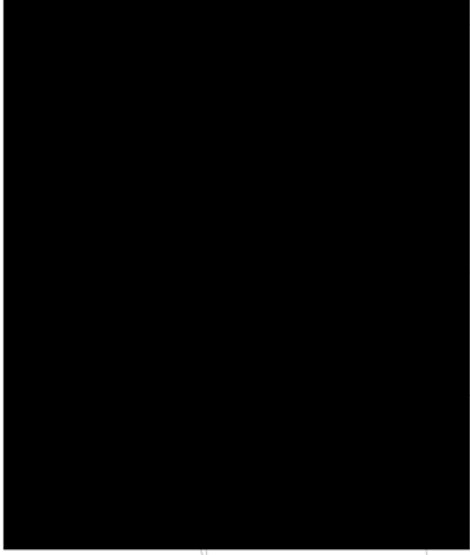
Site ID:

WC-27









6.8 +

6.5 +

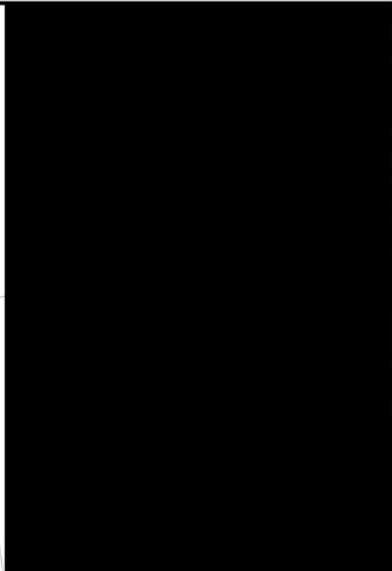
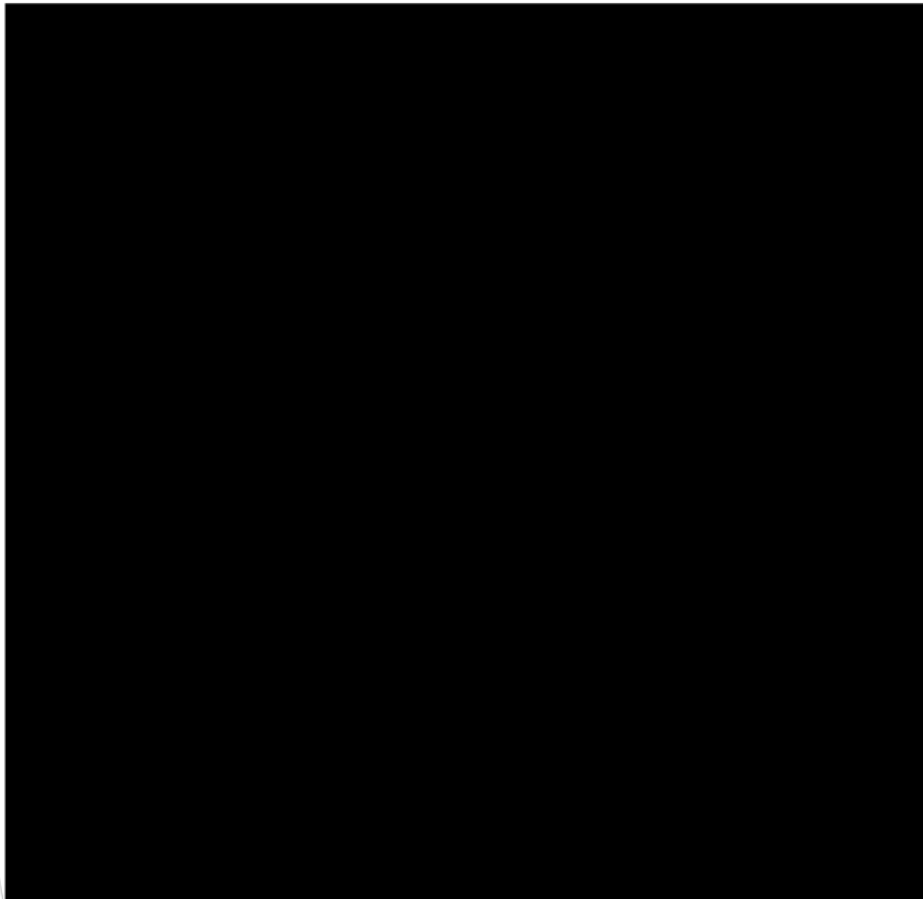
Legend

Potential Public Rental Housing Site

Yuen Long Industrial Estate Extension

Surveyed Site

View Angle



Project Title:

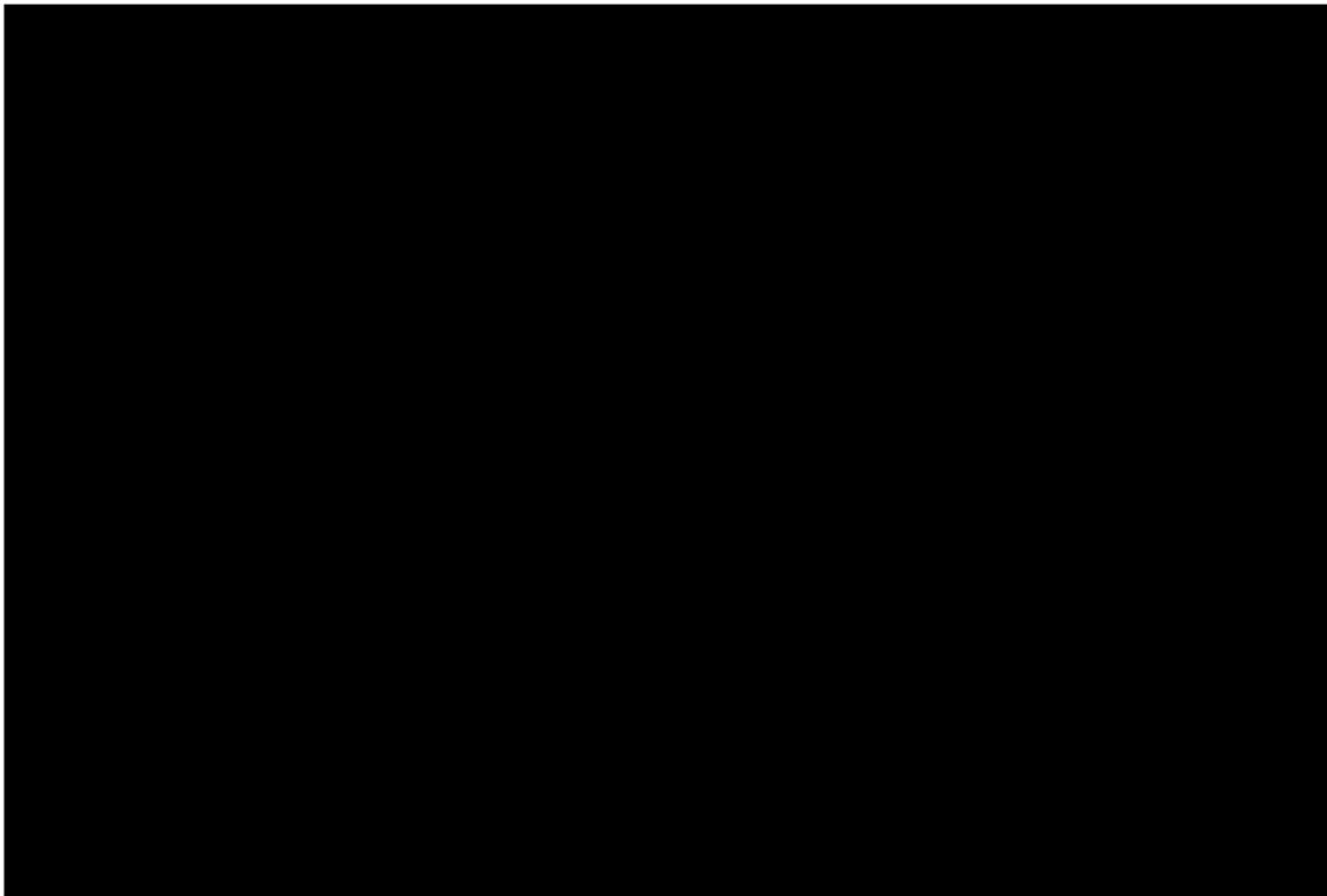
Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

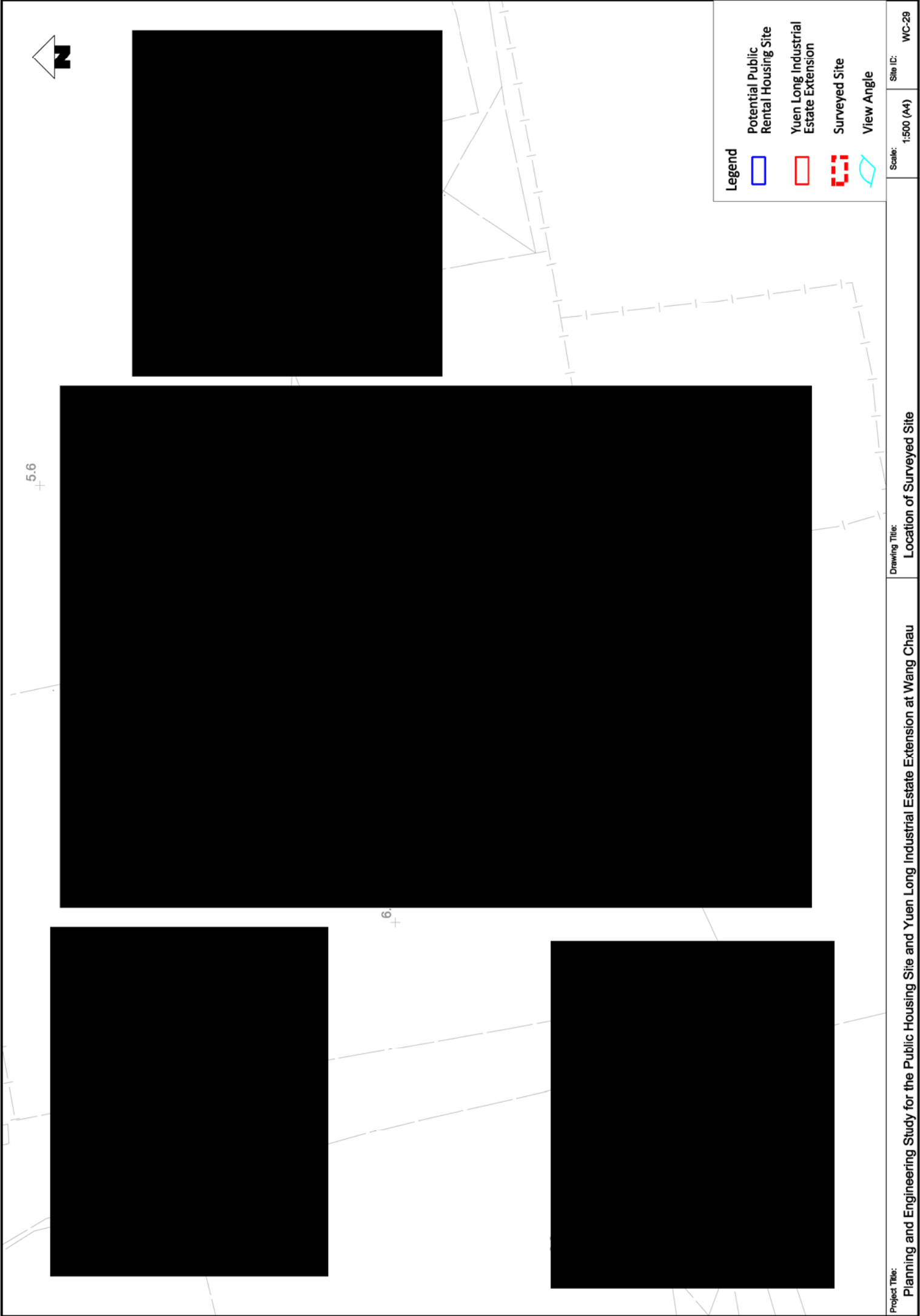
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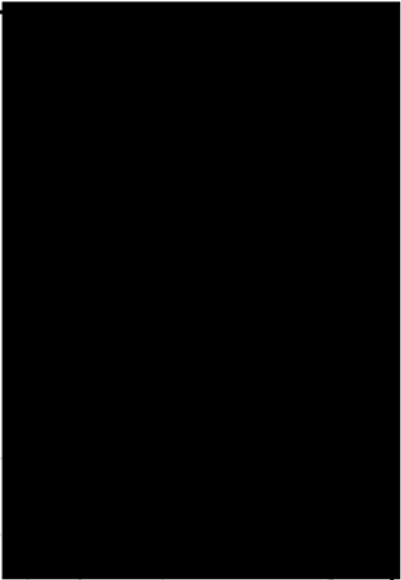
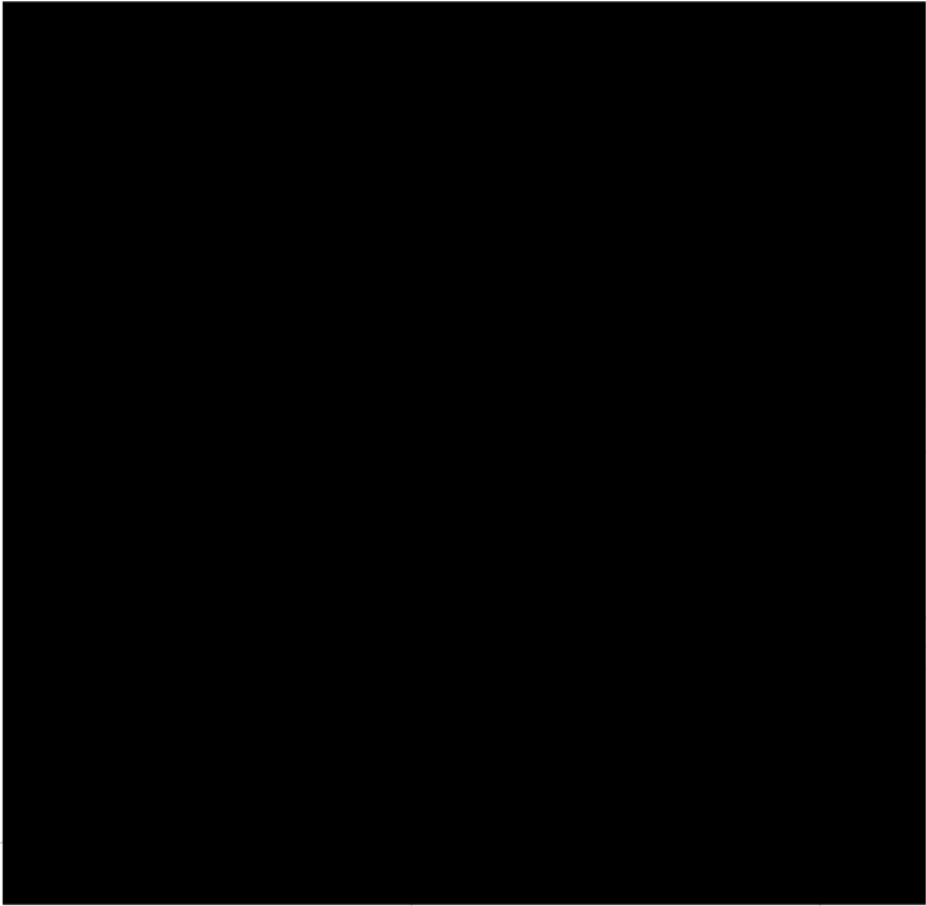
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Site ID:

WC-29



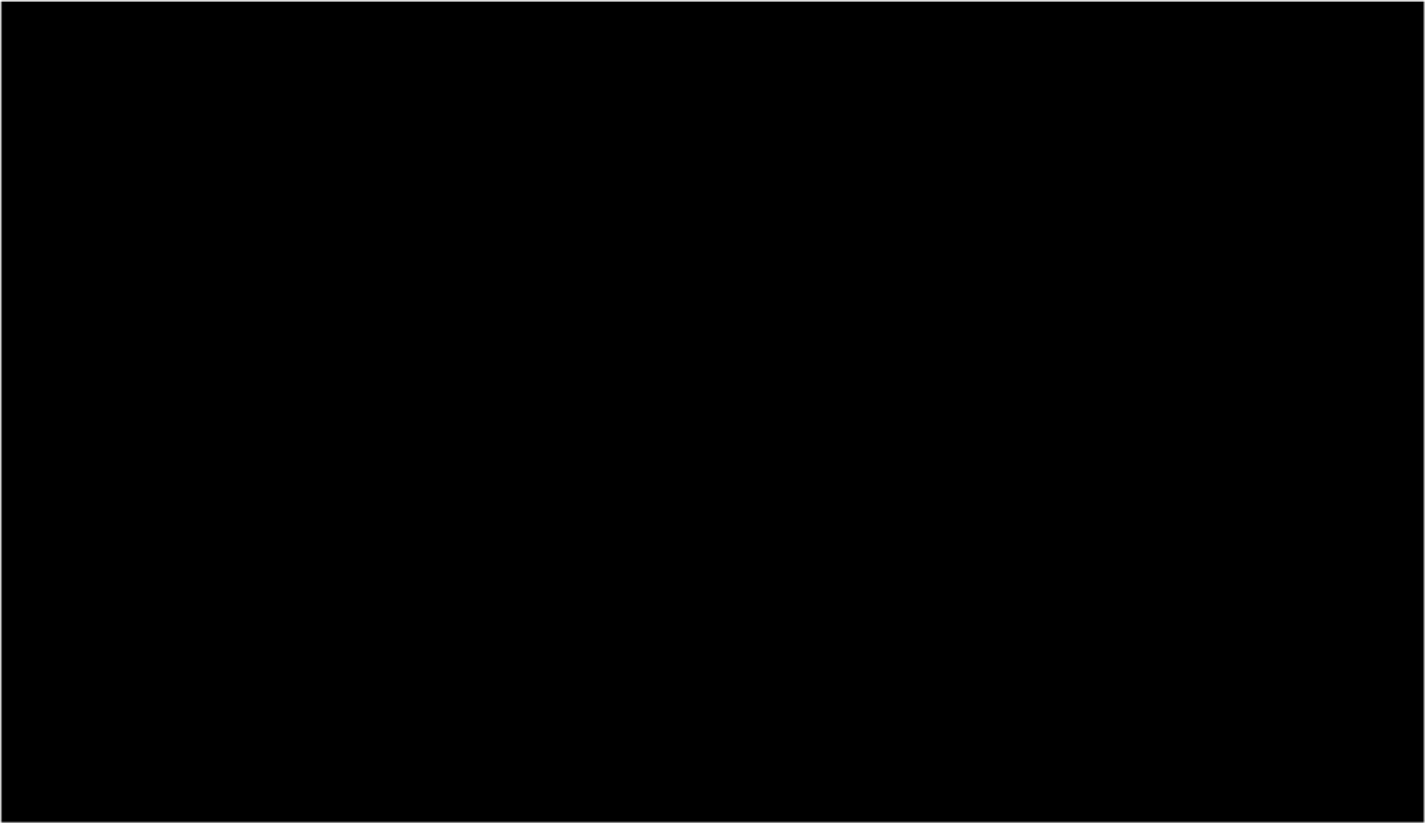


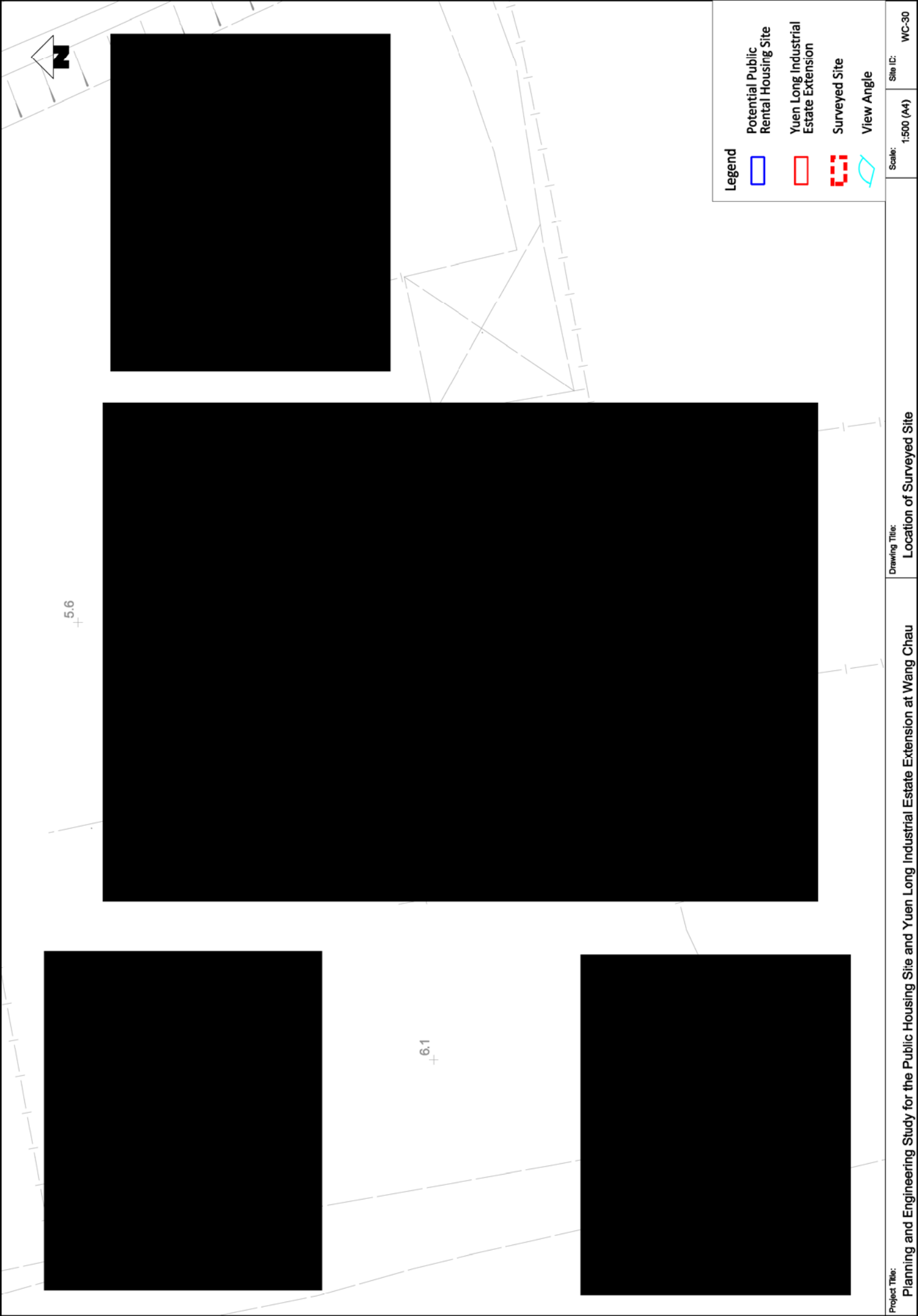


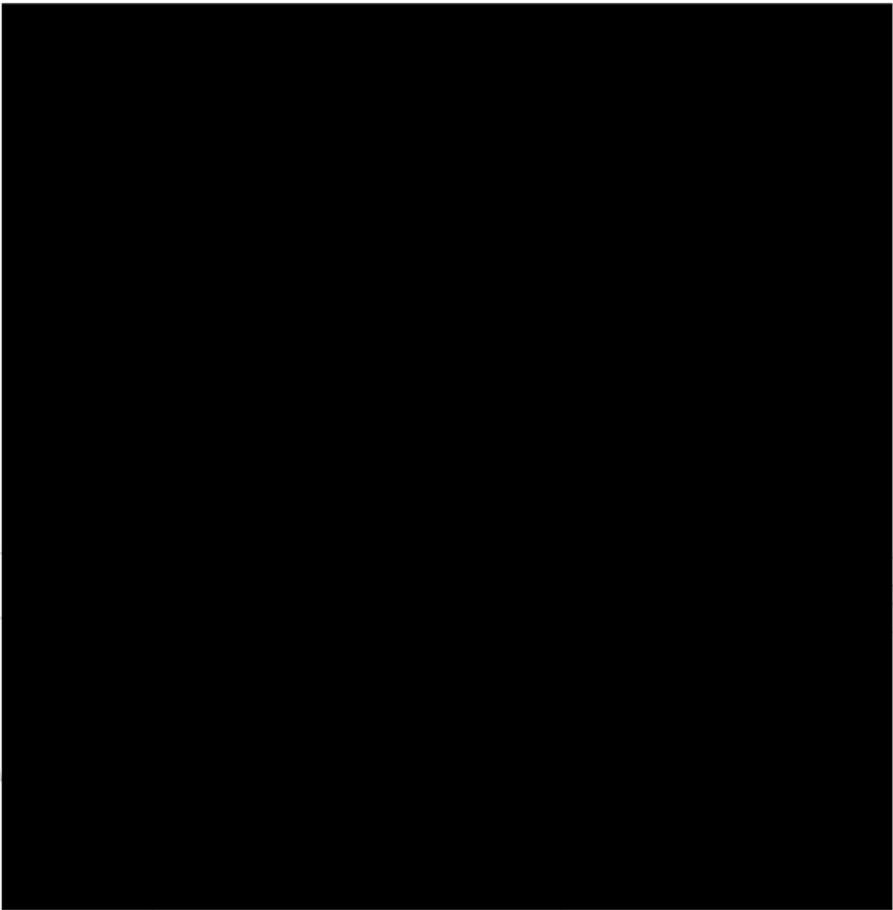
Project Title: Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

Scale: 1:500 (A4)

Site ID: WC-30







Project Title:

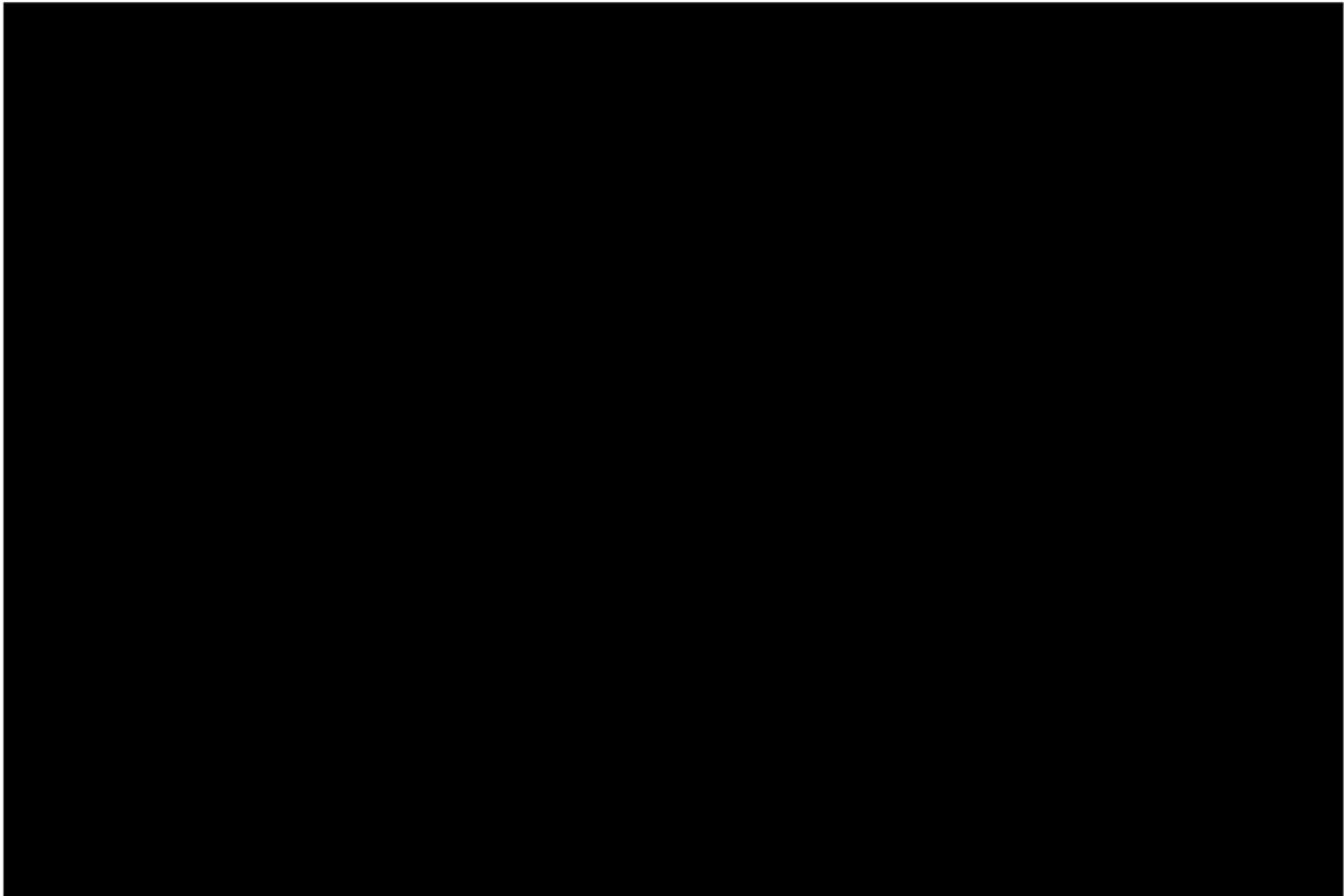
Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

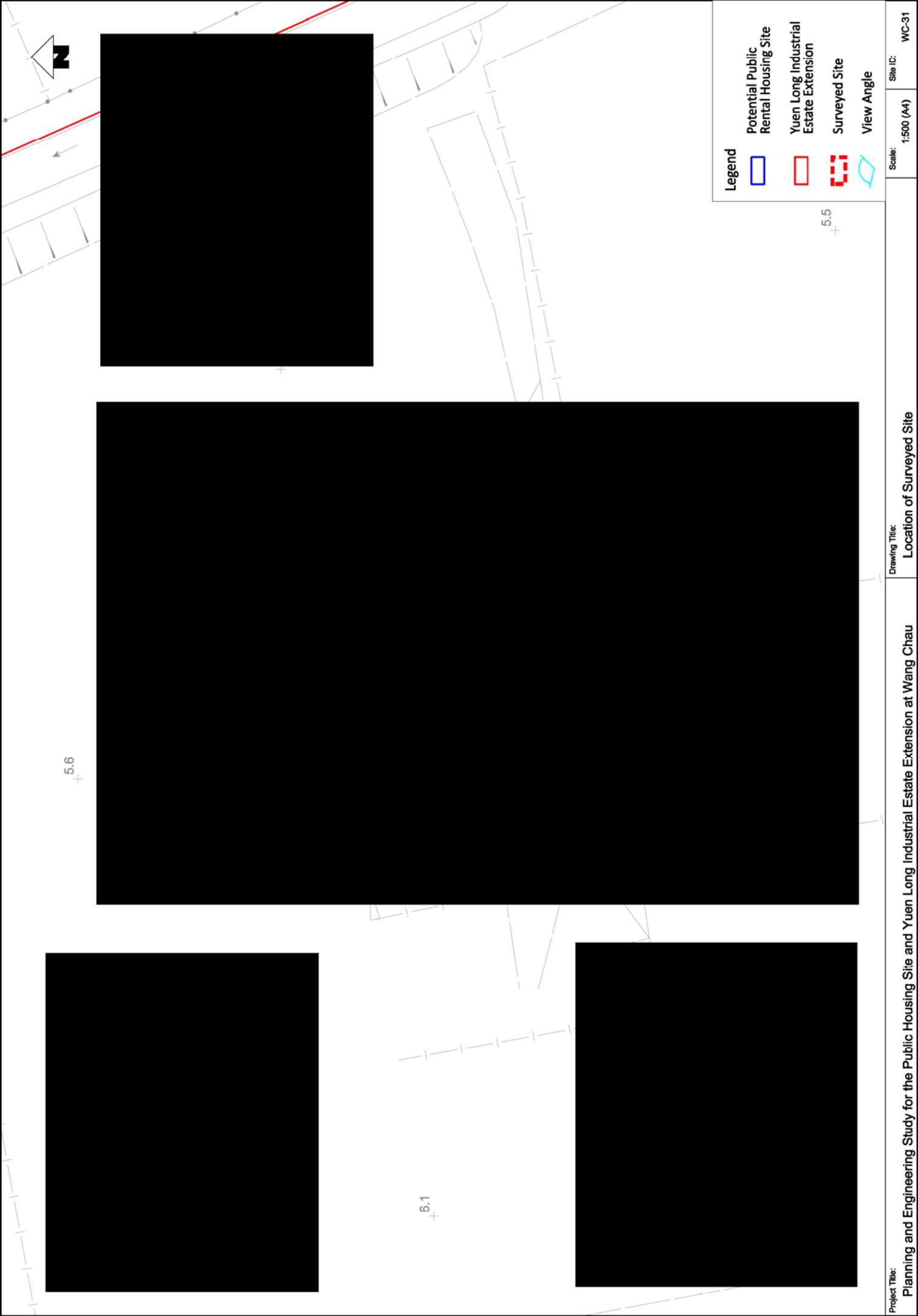
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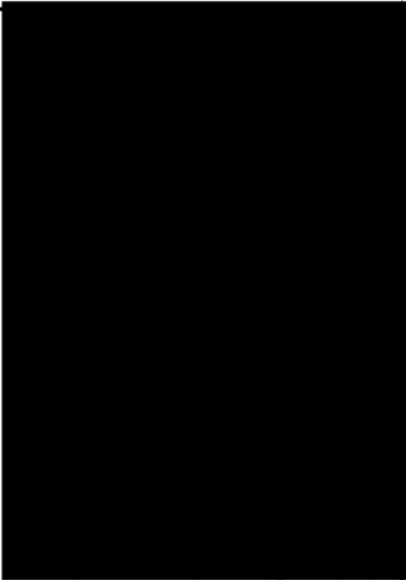
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Site ID:

WC-31





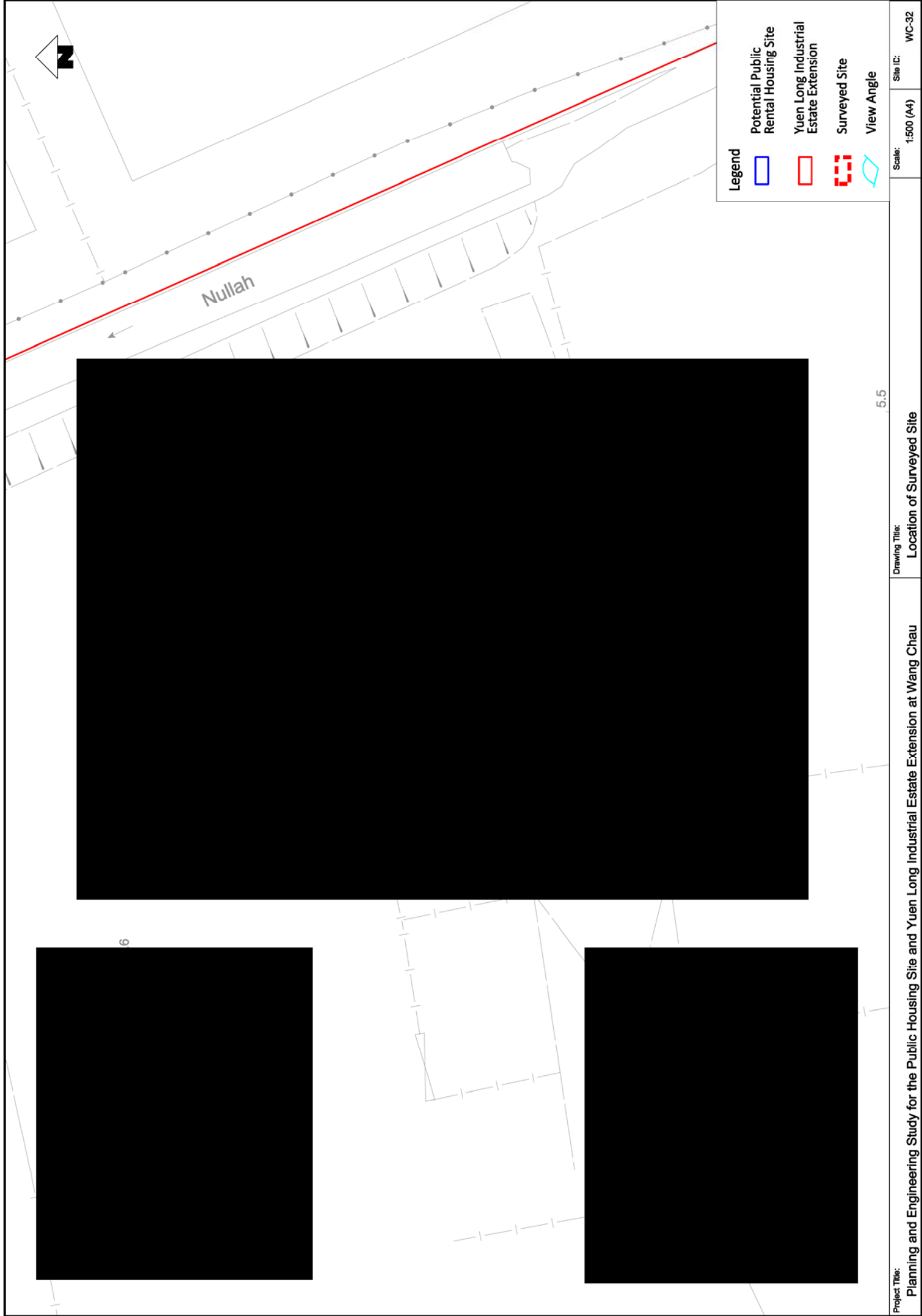


Project Title: Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

Scale: 1:500 (A4)

Site ID: WC-32







Project Title:

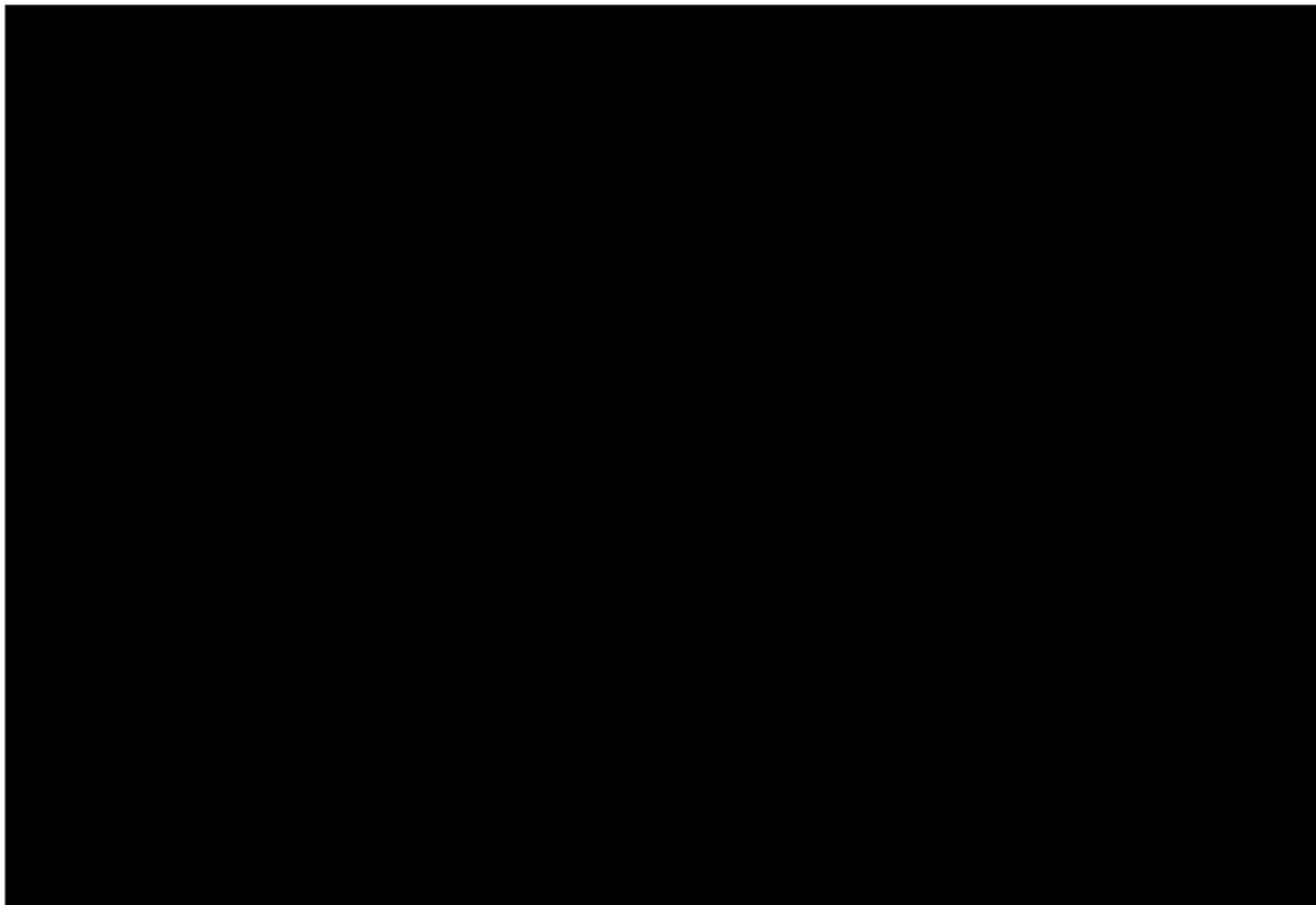
Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

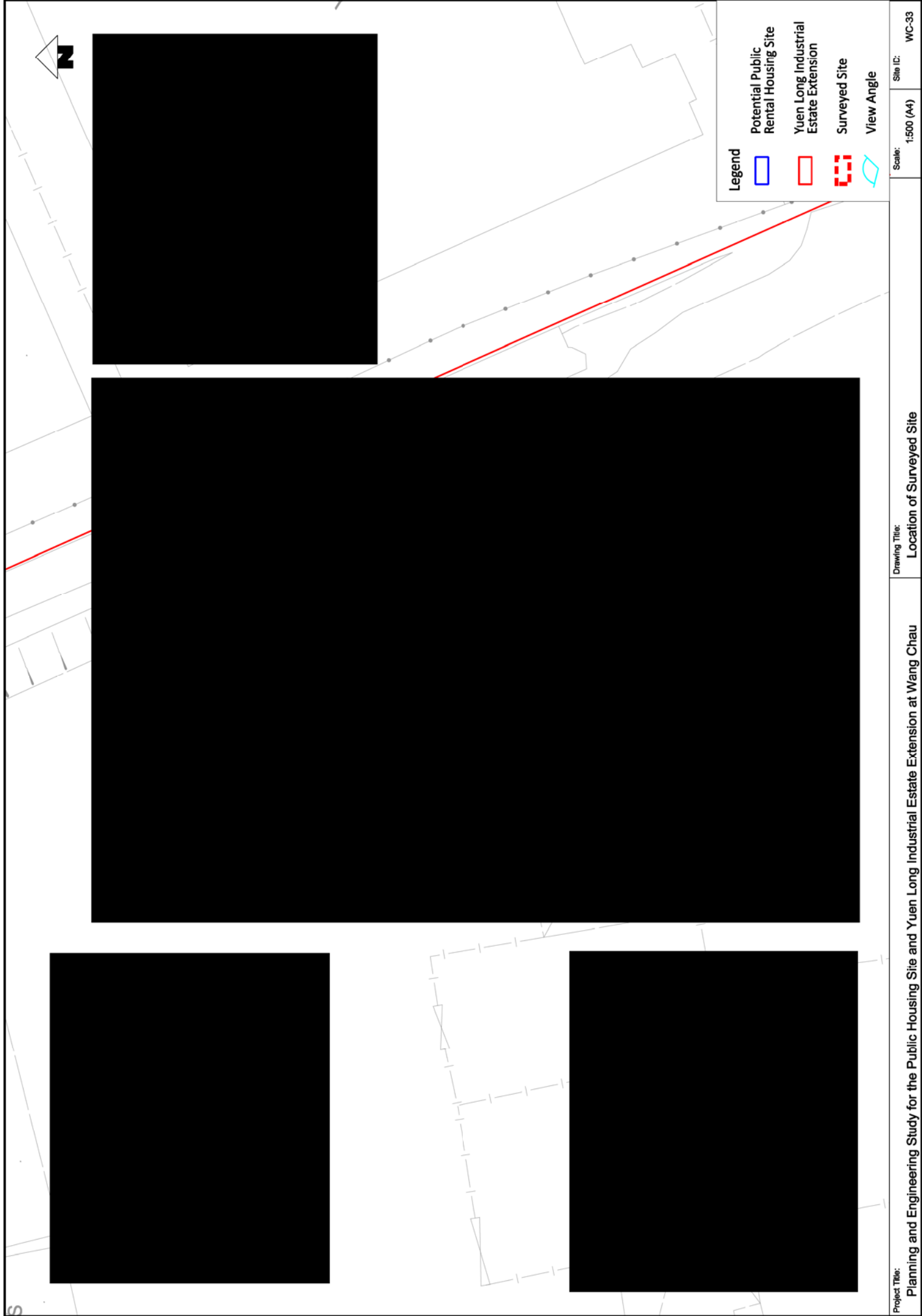
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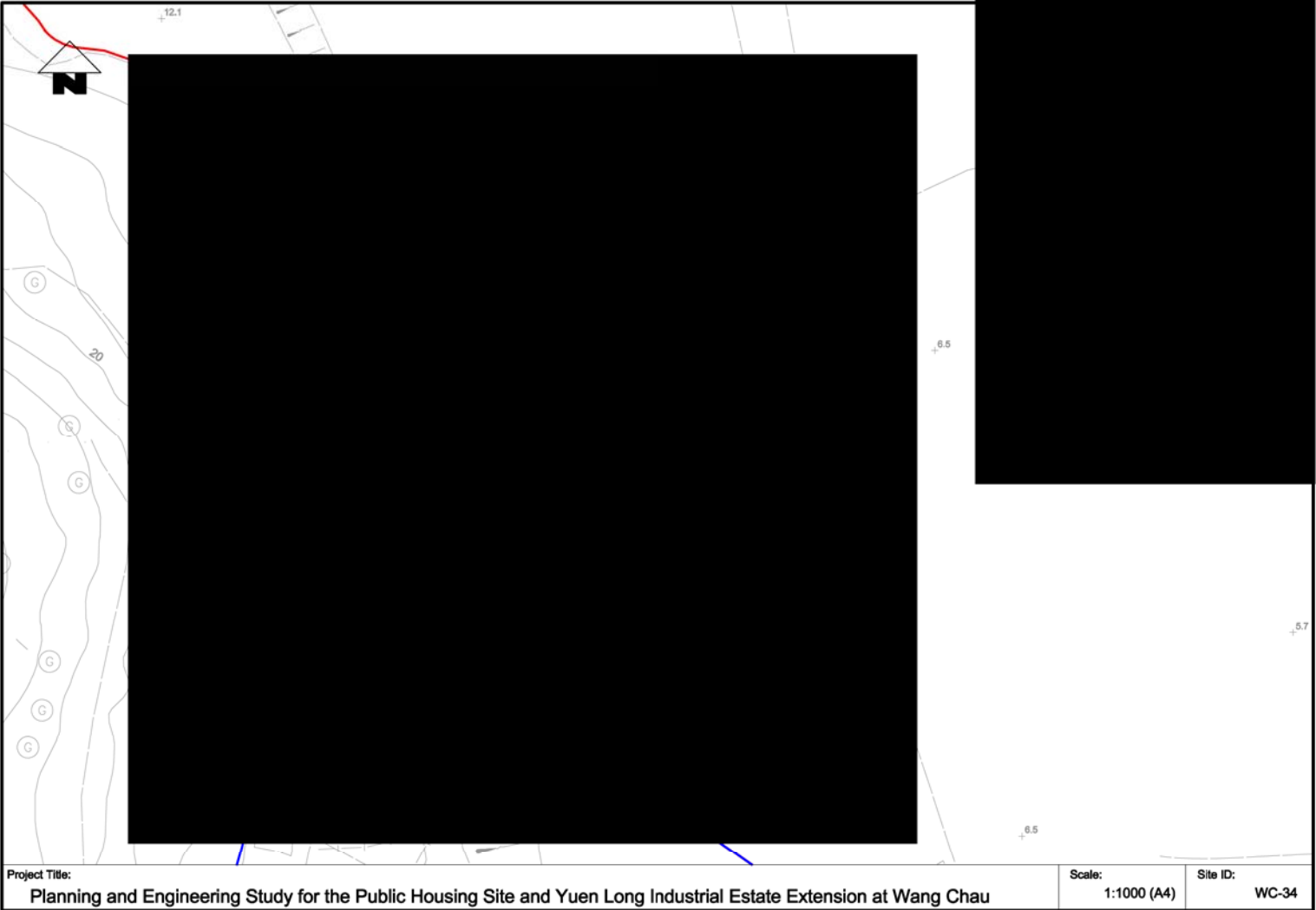
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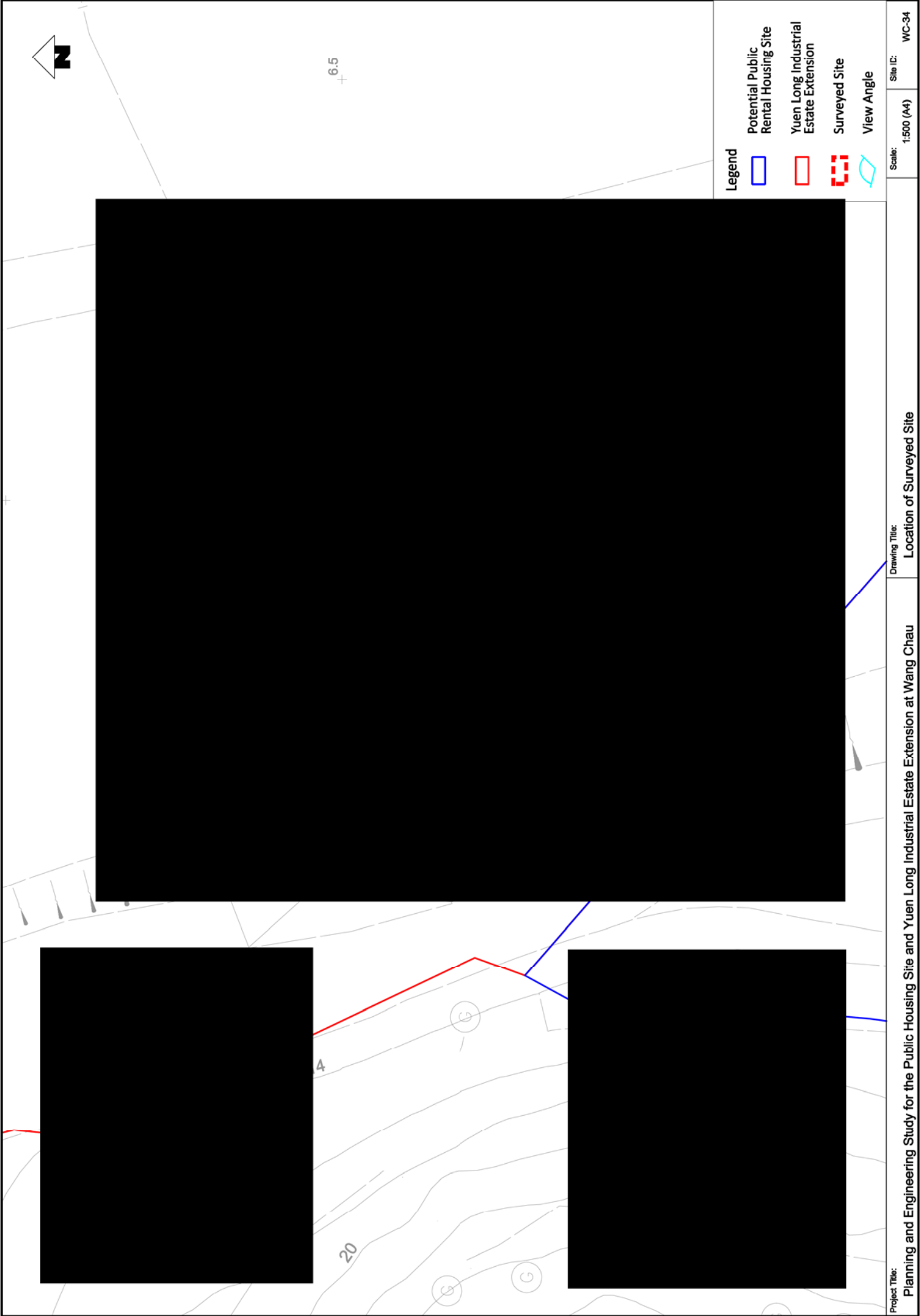
Site ID:

WC-33









Project Title:

Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

Drawing Title:

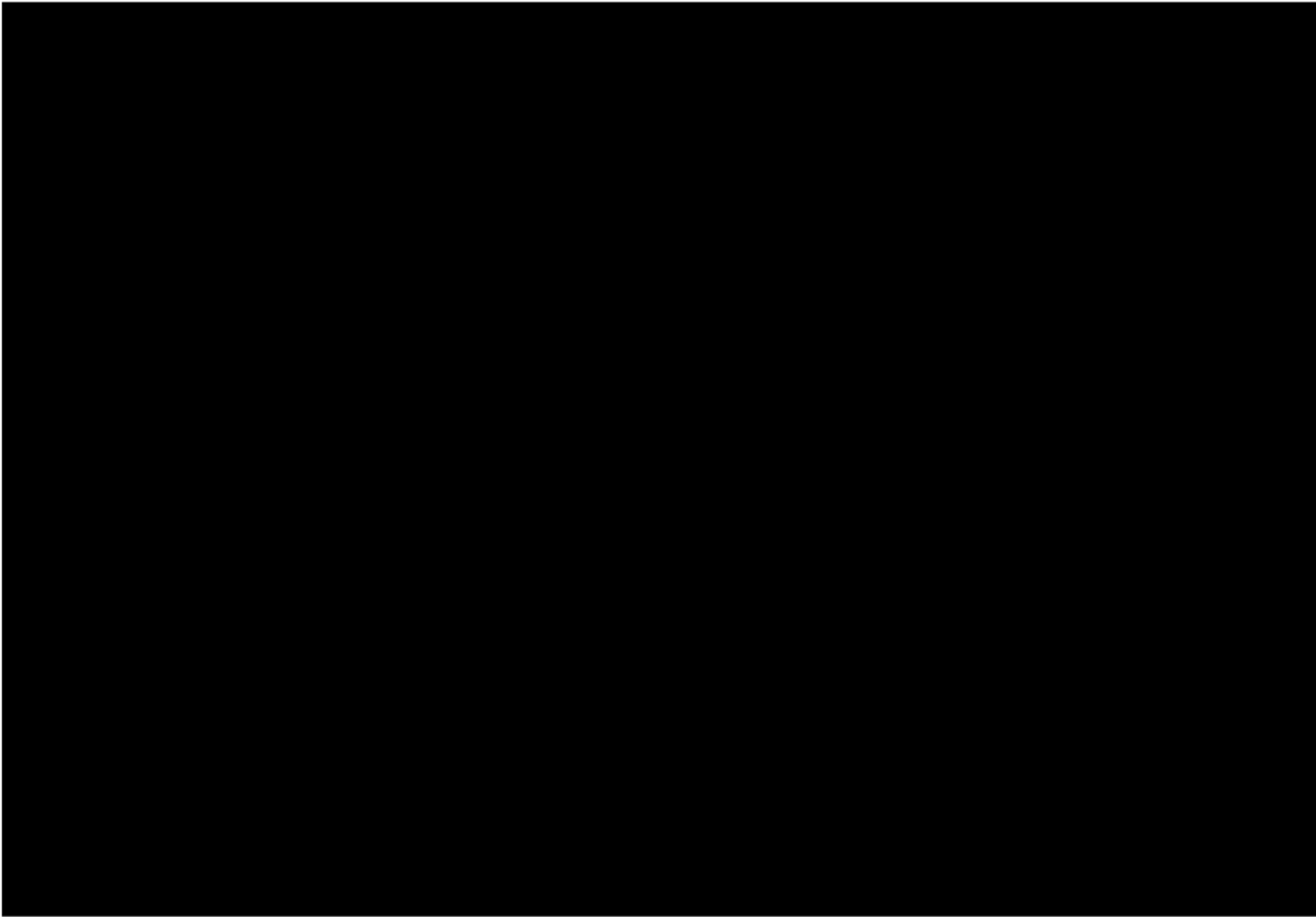
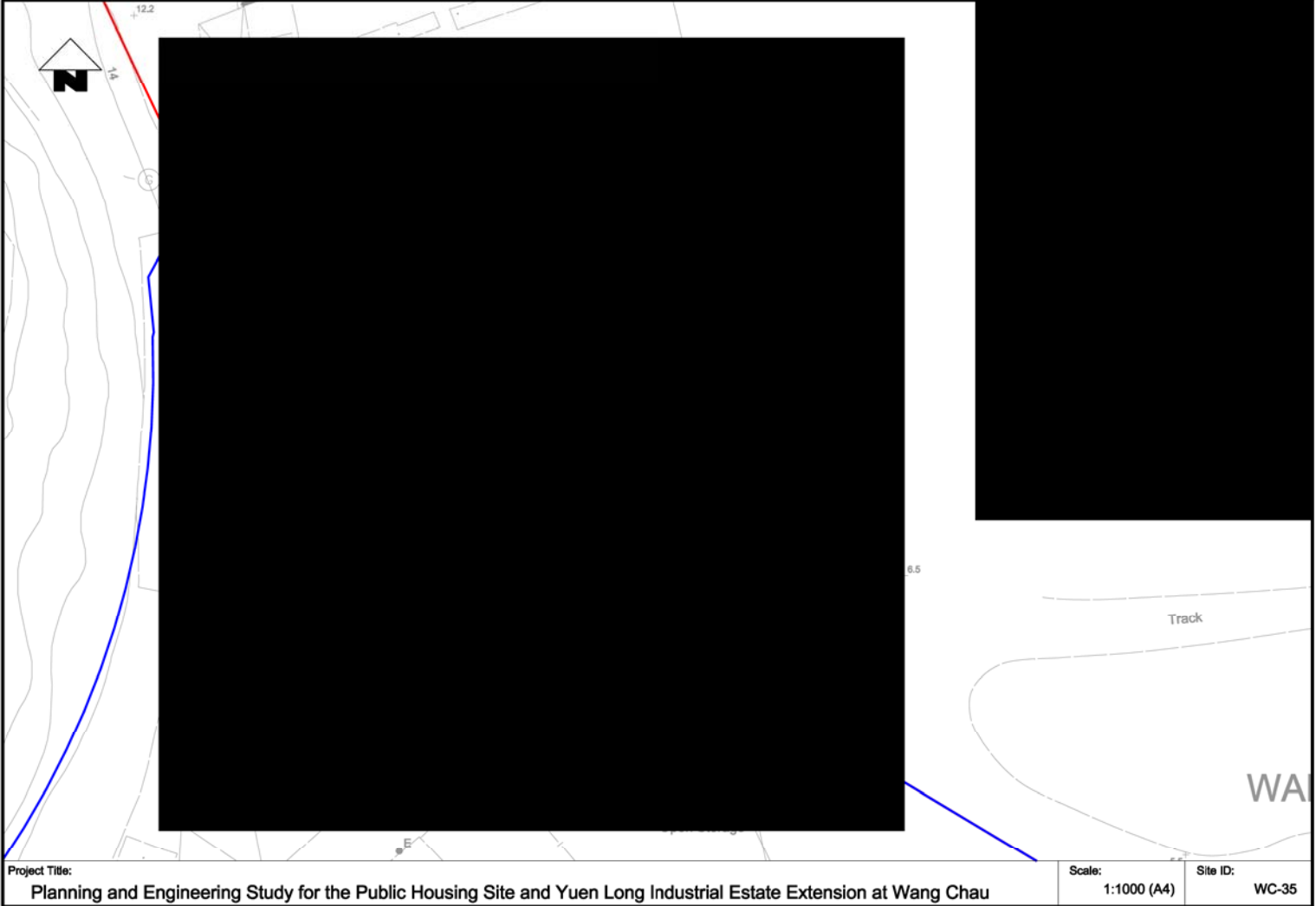
Location of Surveyed Site

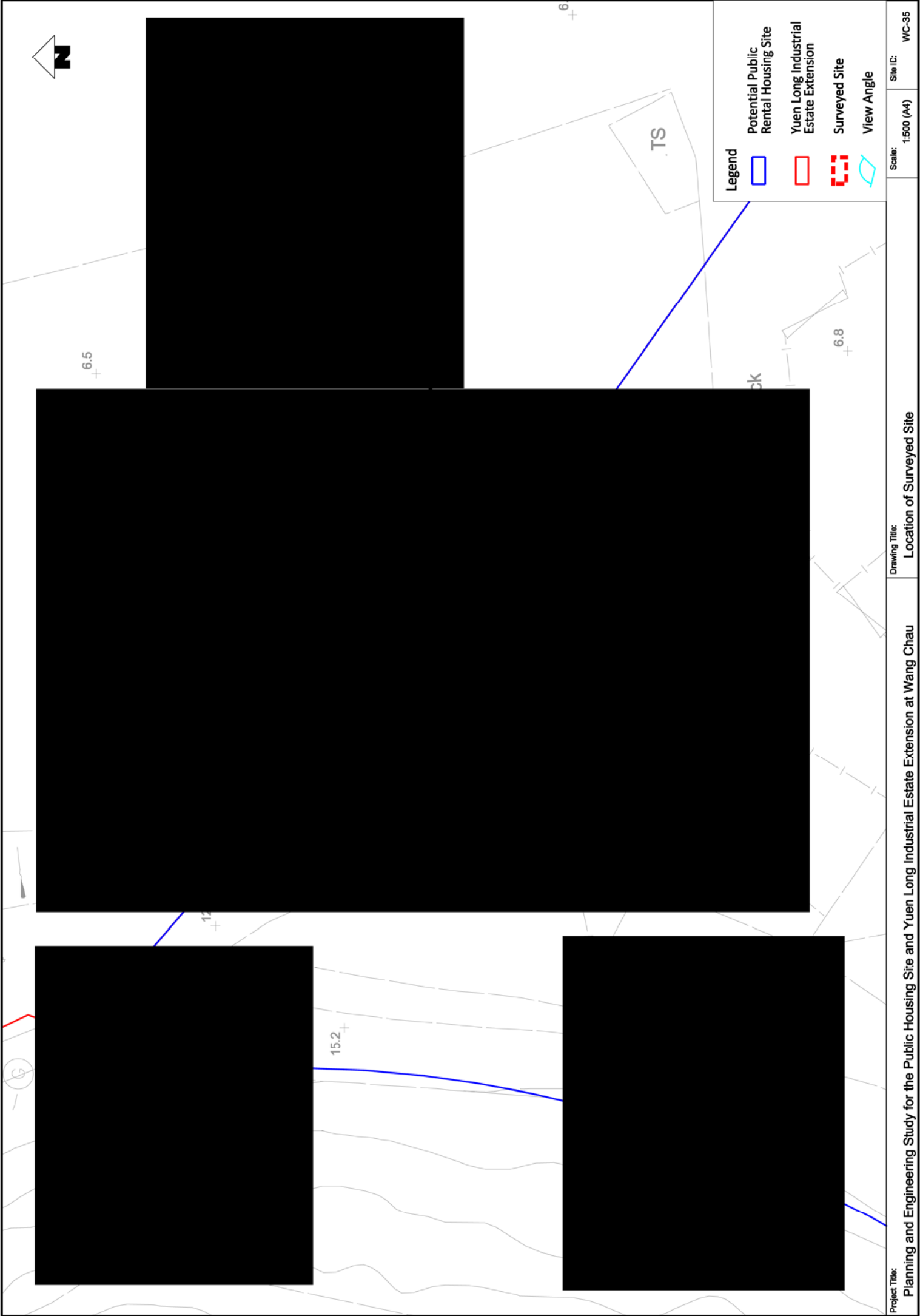
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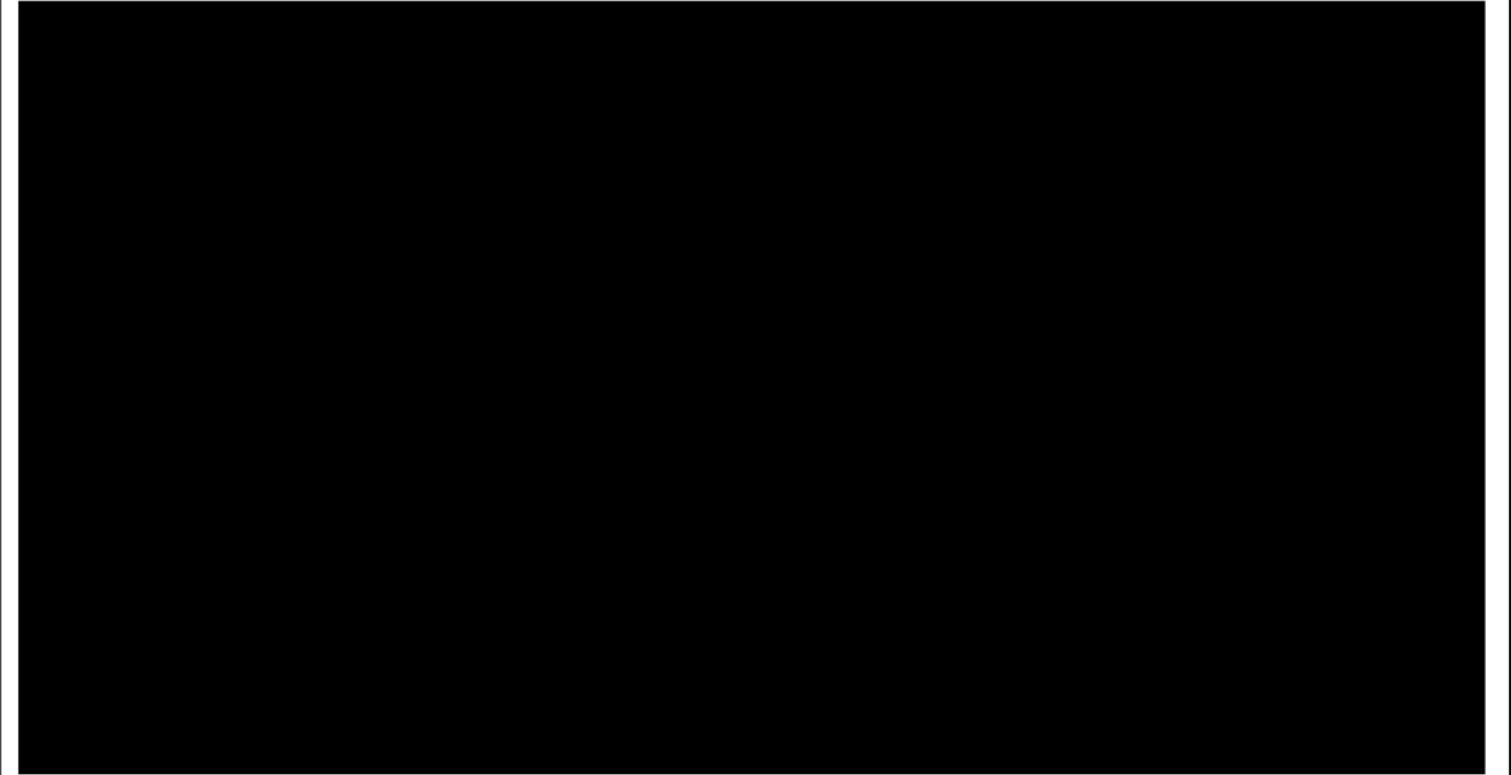
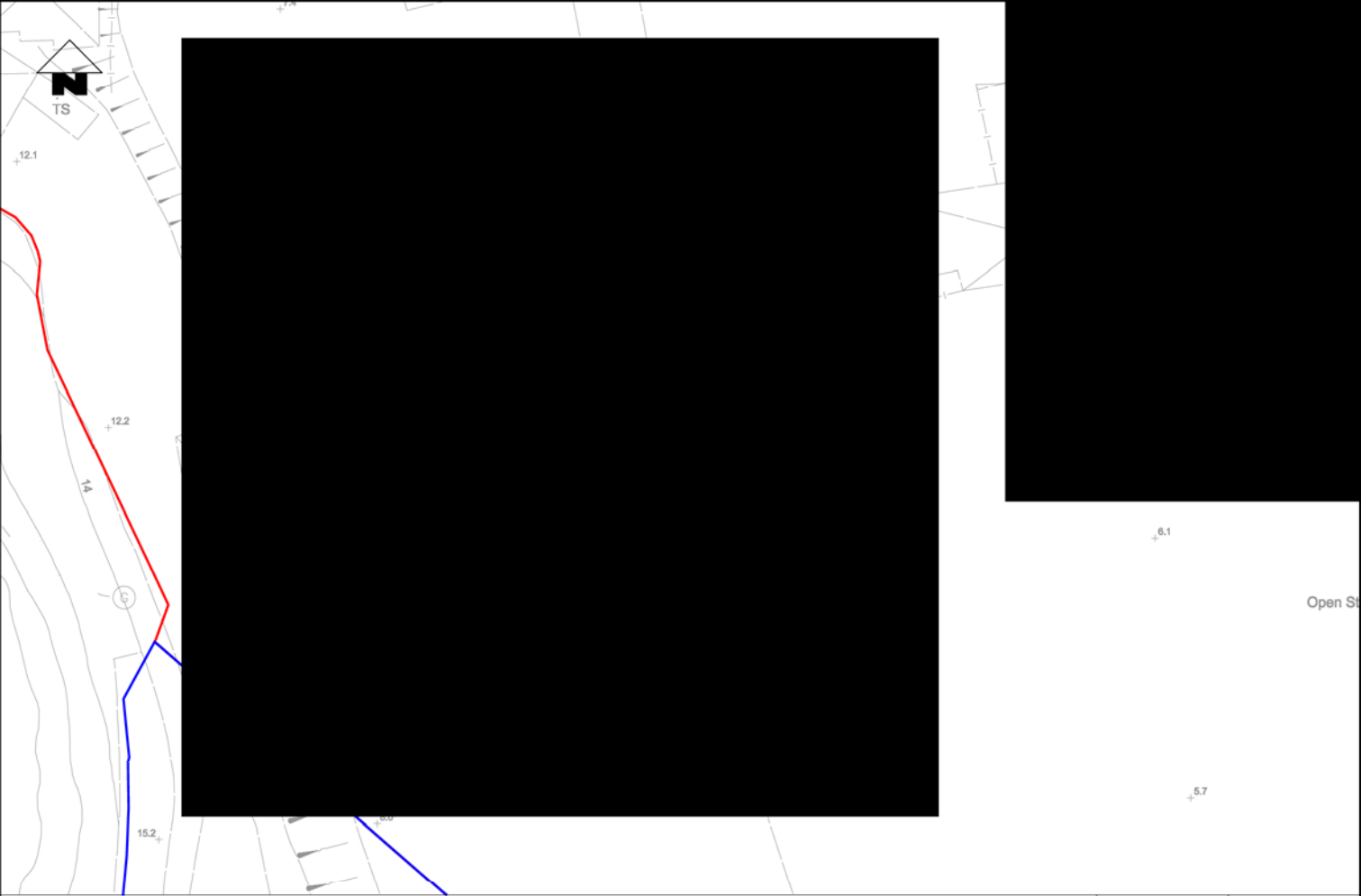
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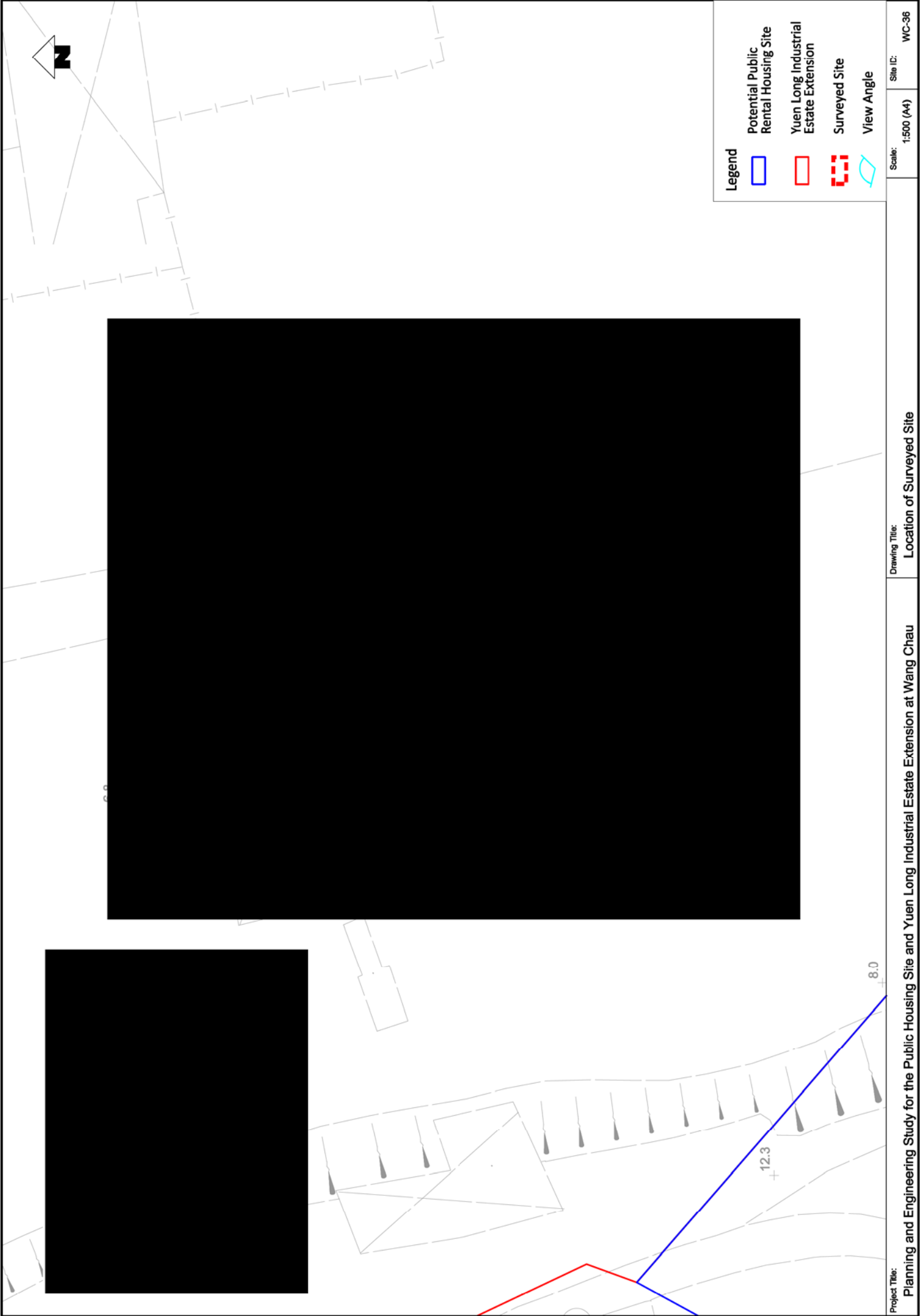
Site ID:

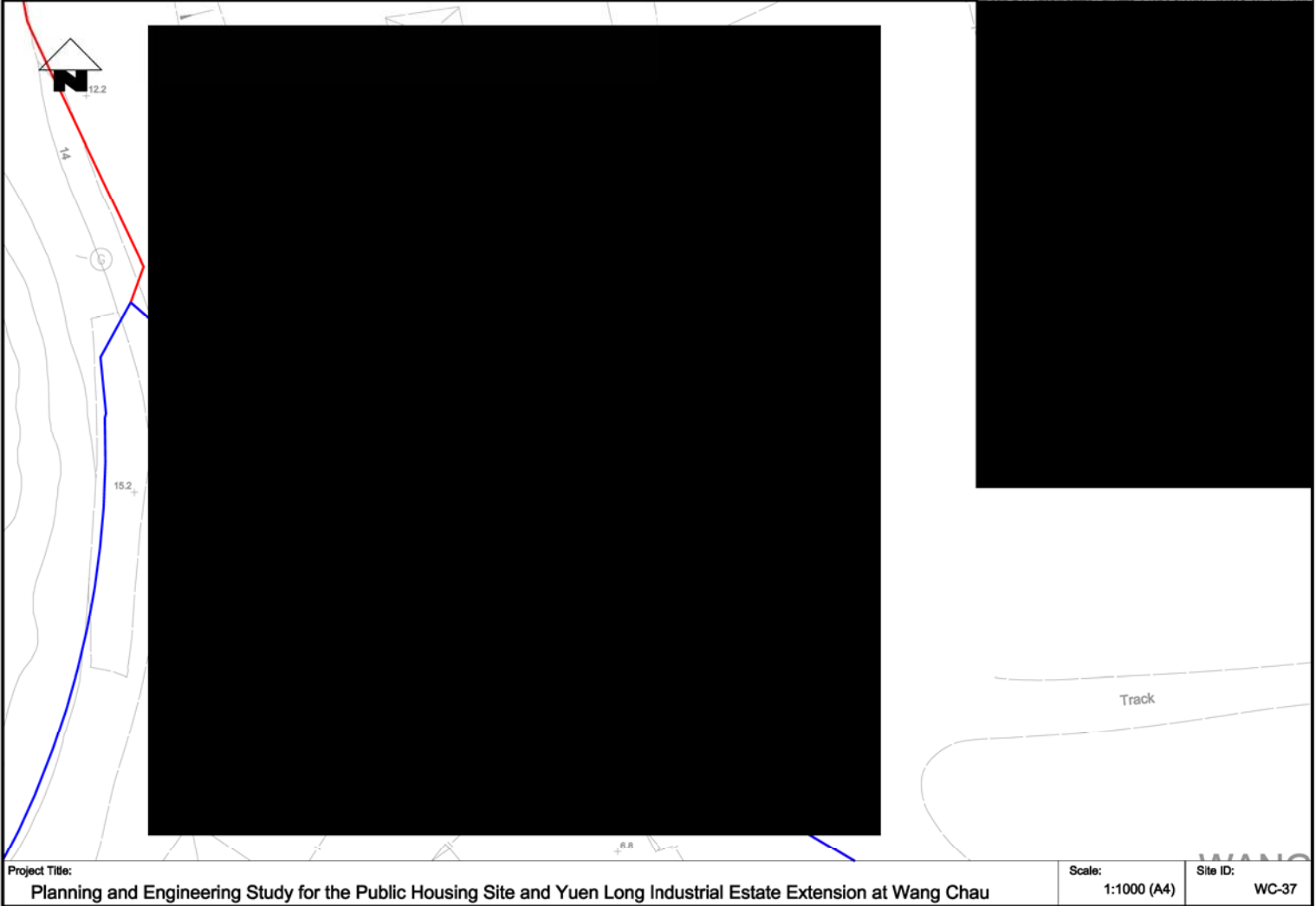
WC-34

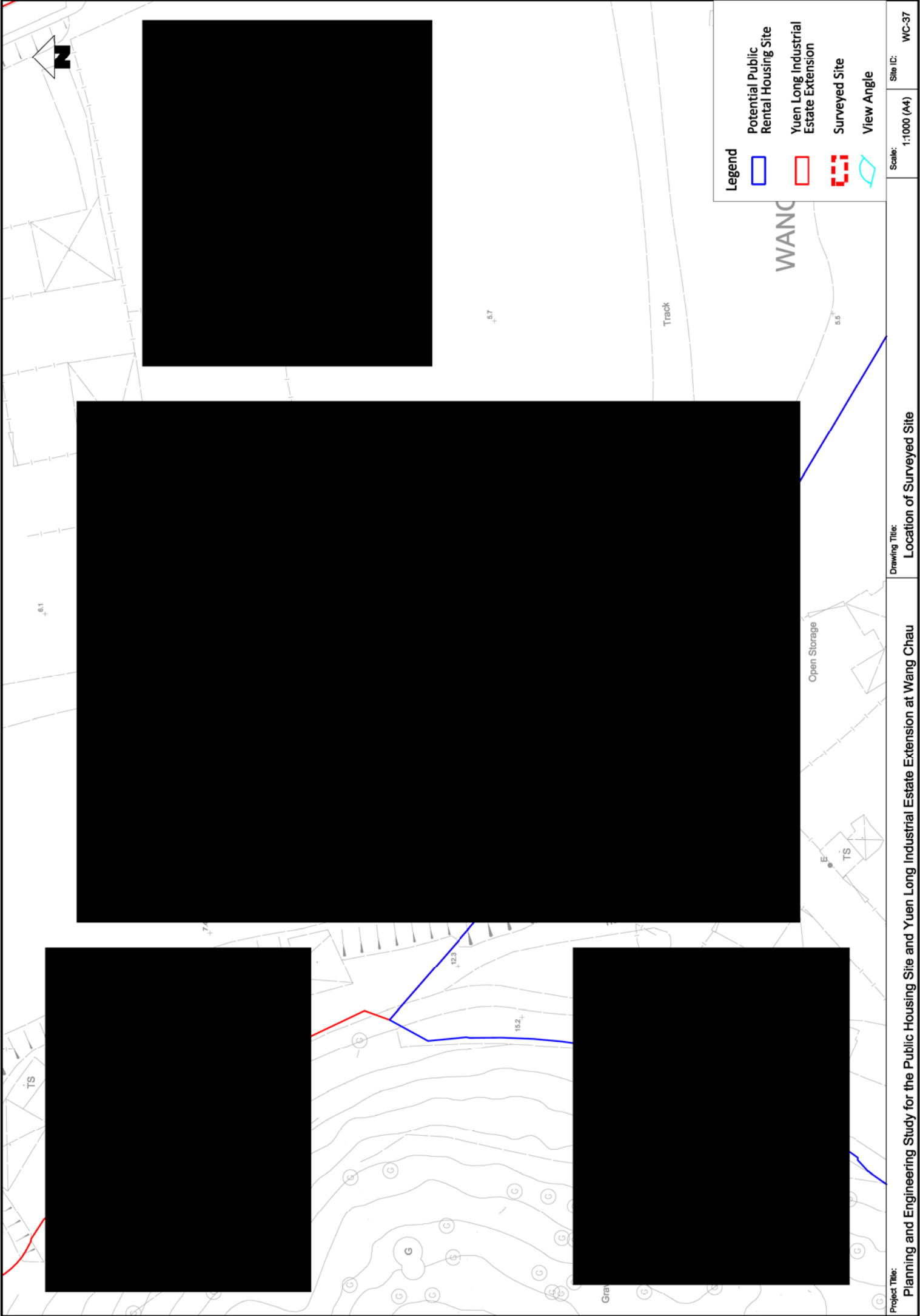


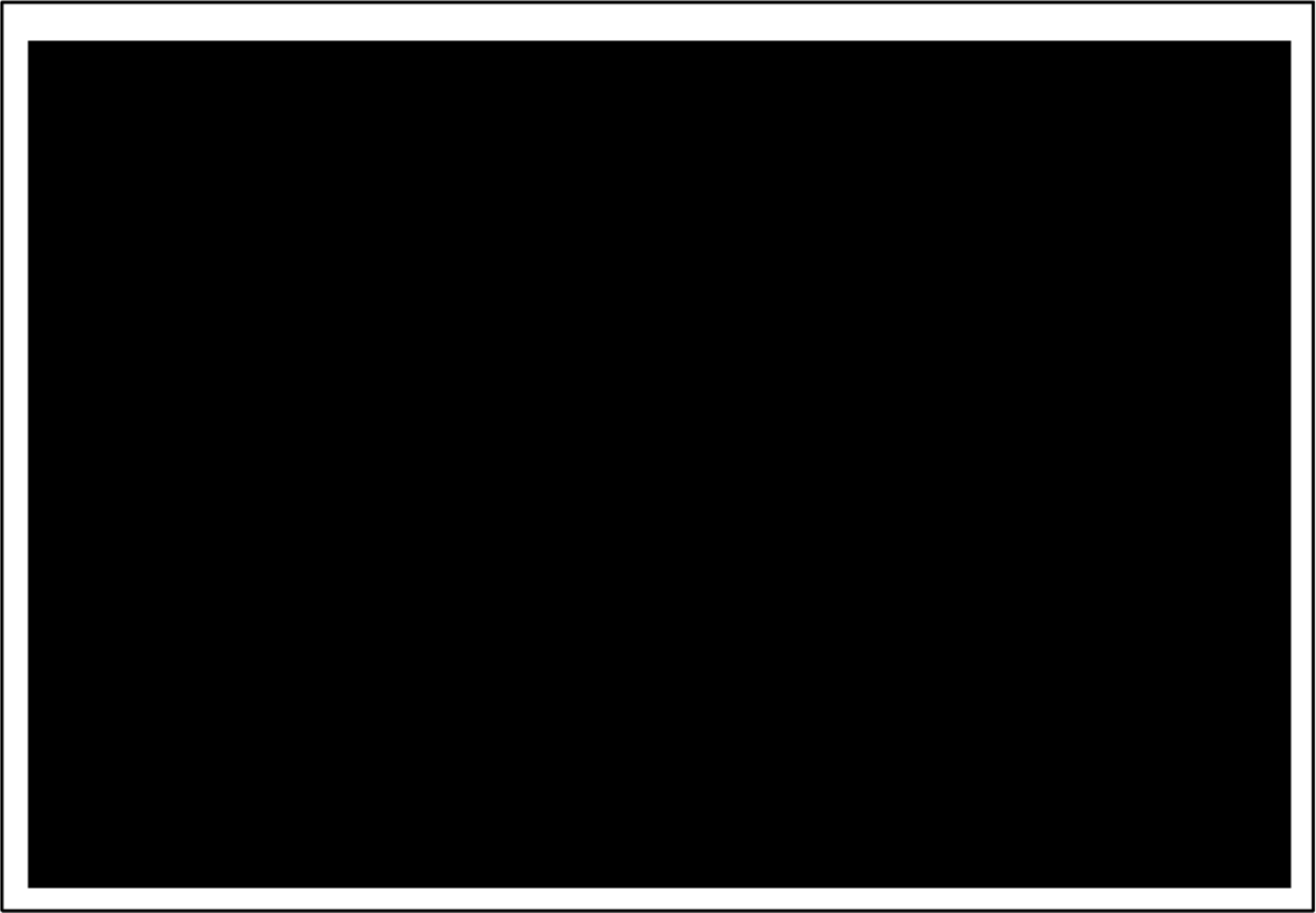
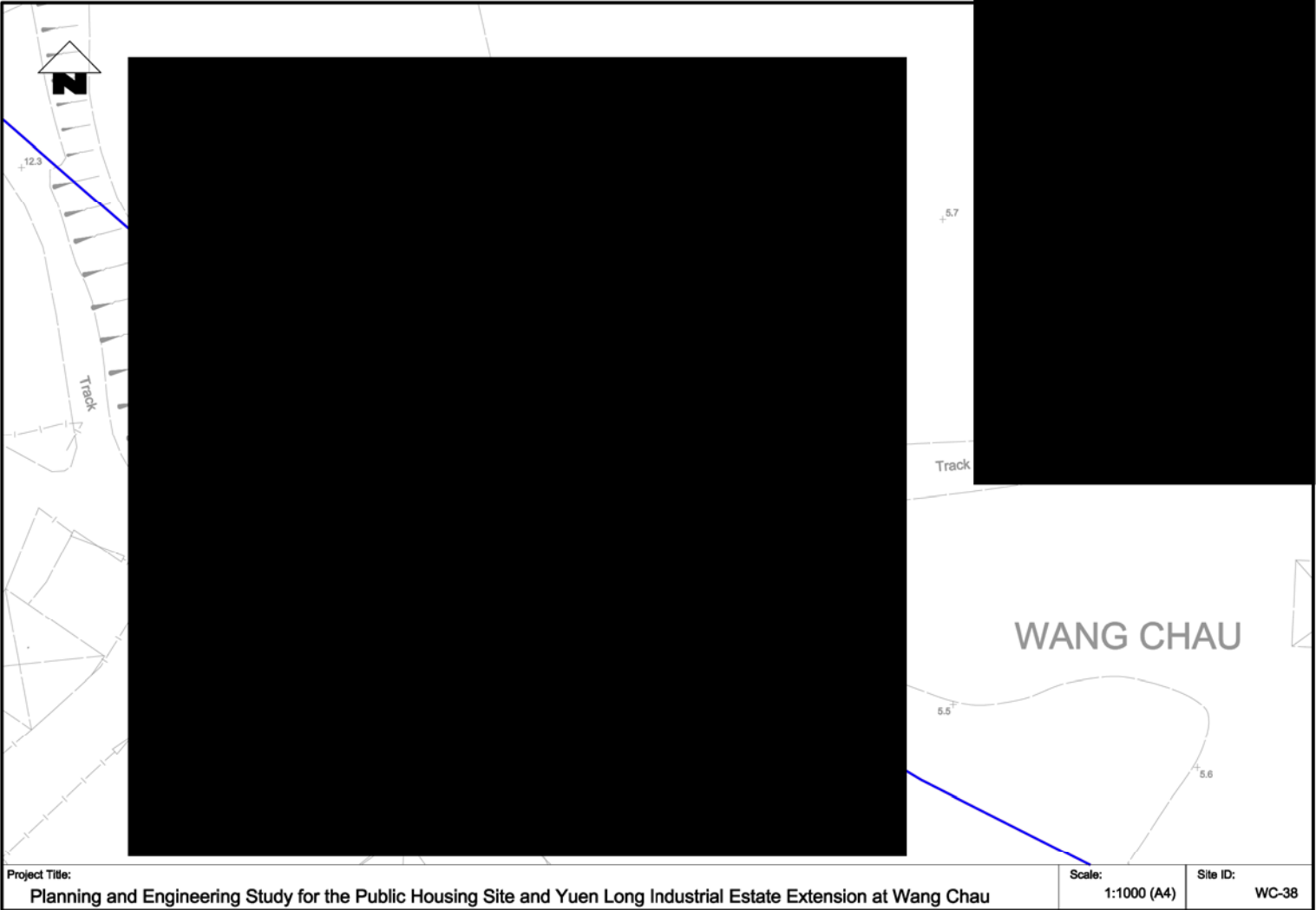


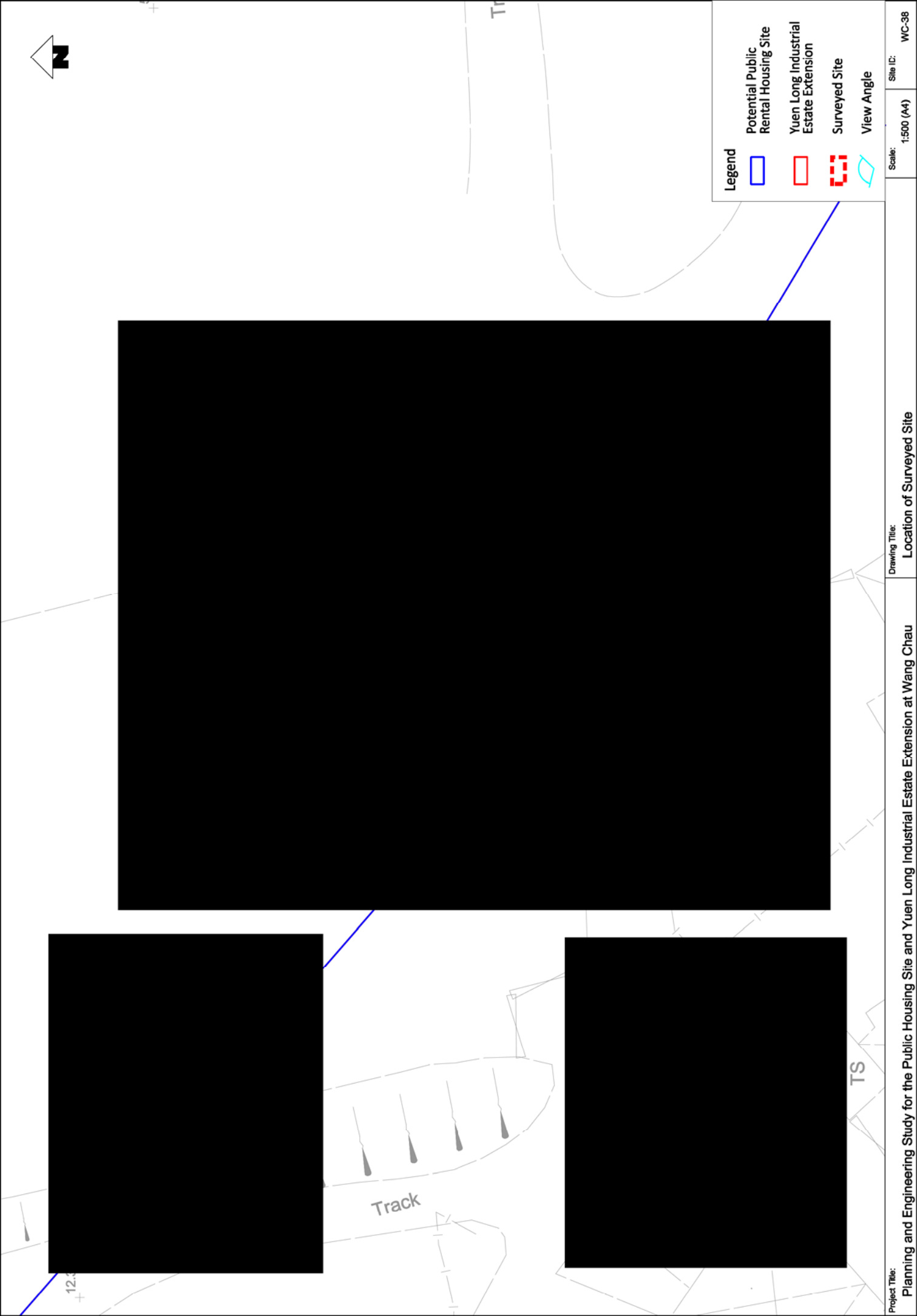


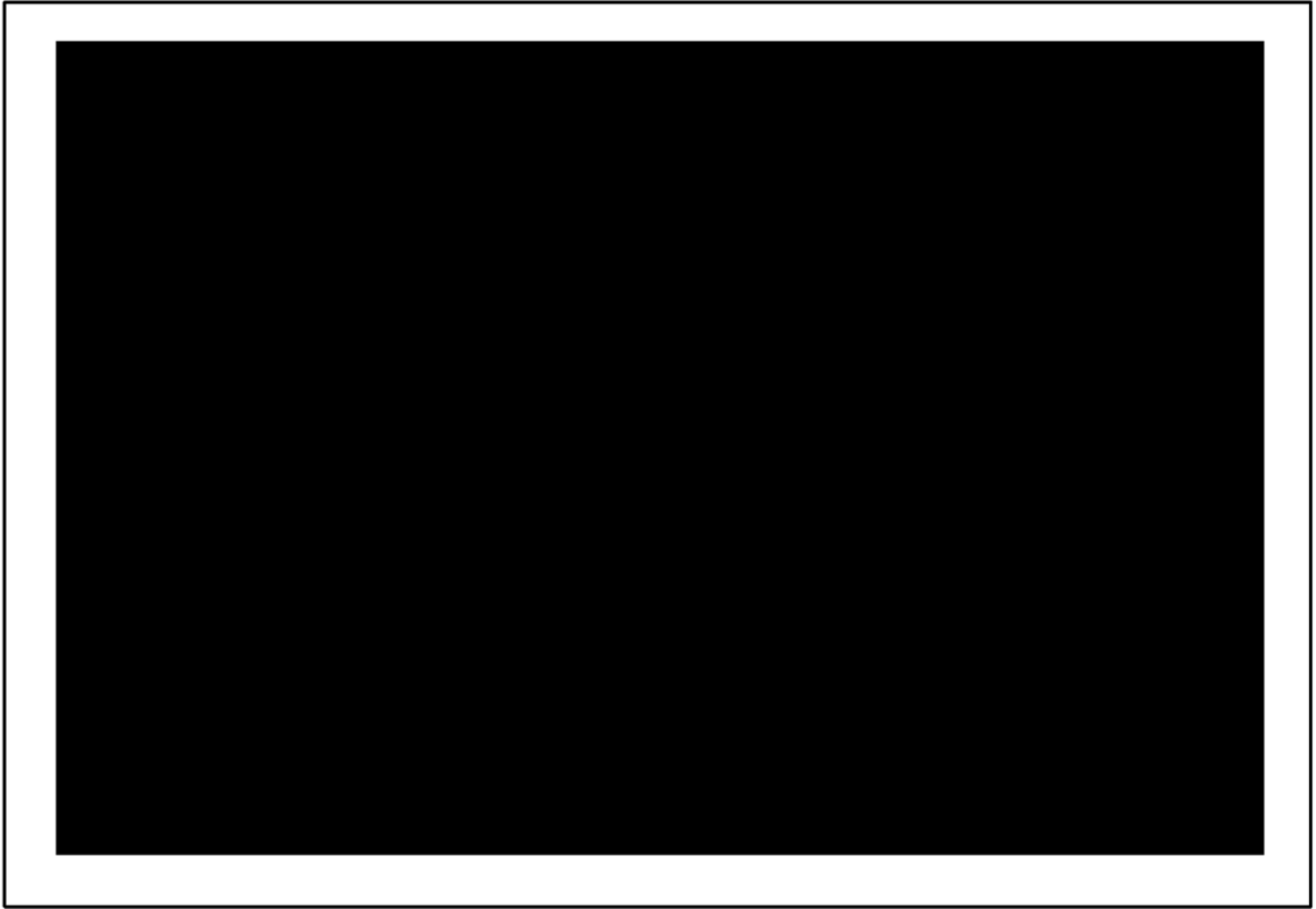


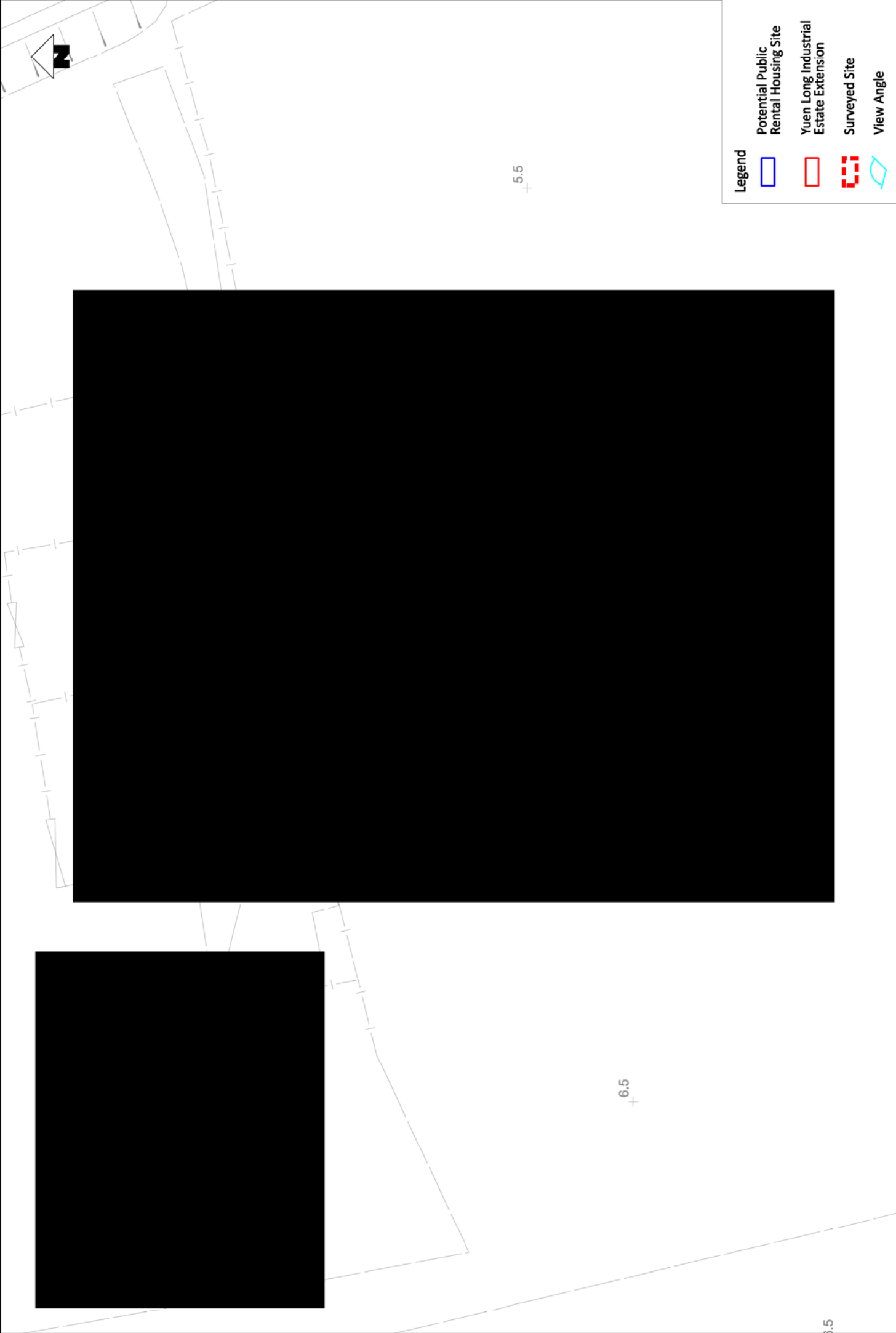












Legend

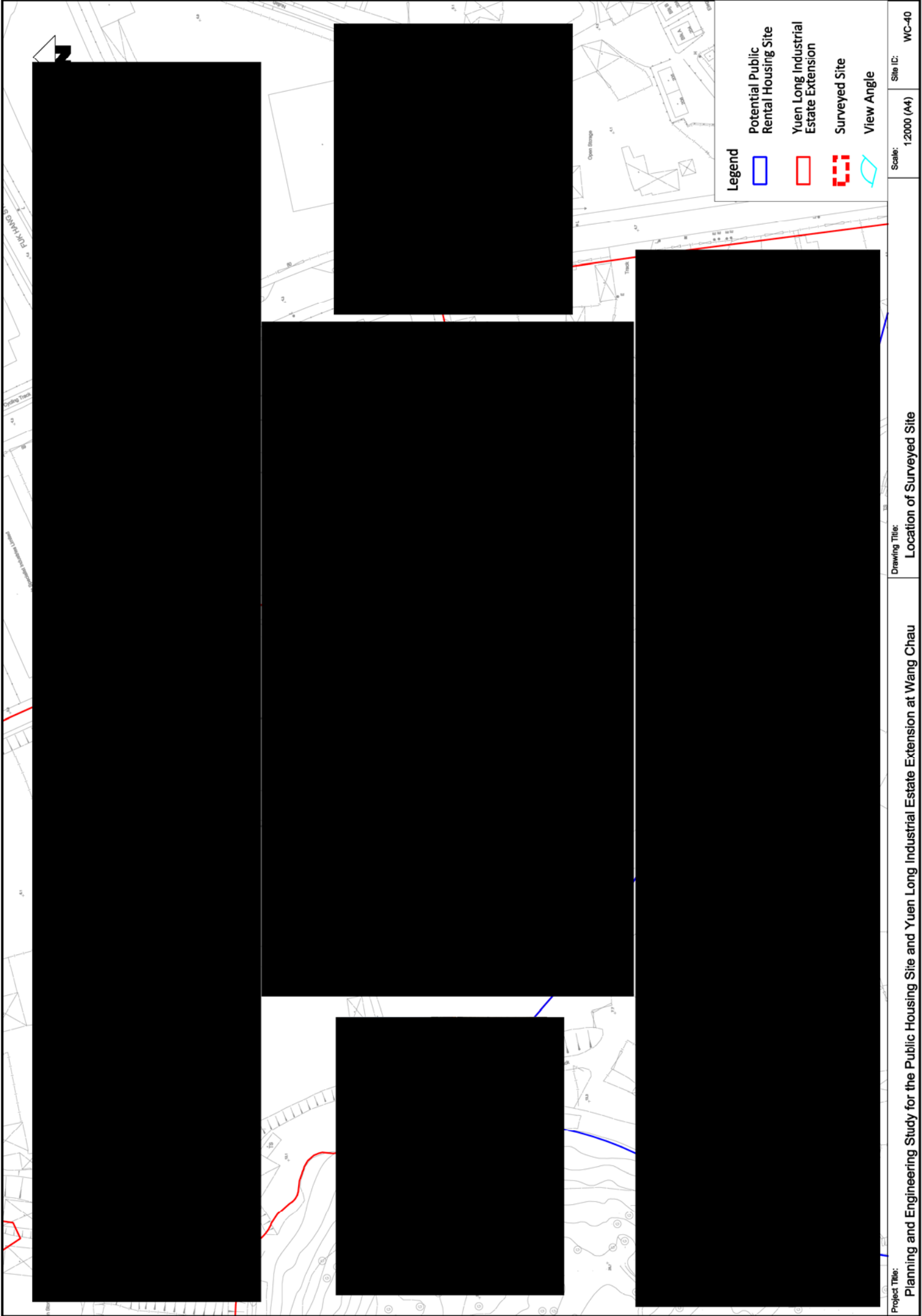
Potential Public Rental Housing Site

Yuen Long Industrial Estate Extension

Surveyed Site

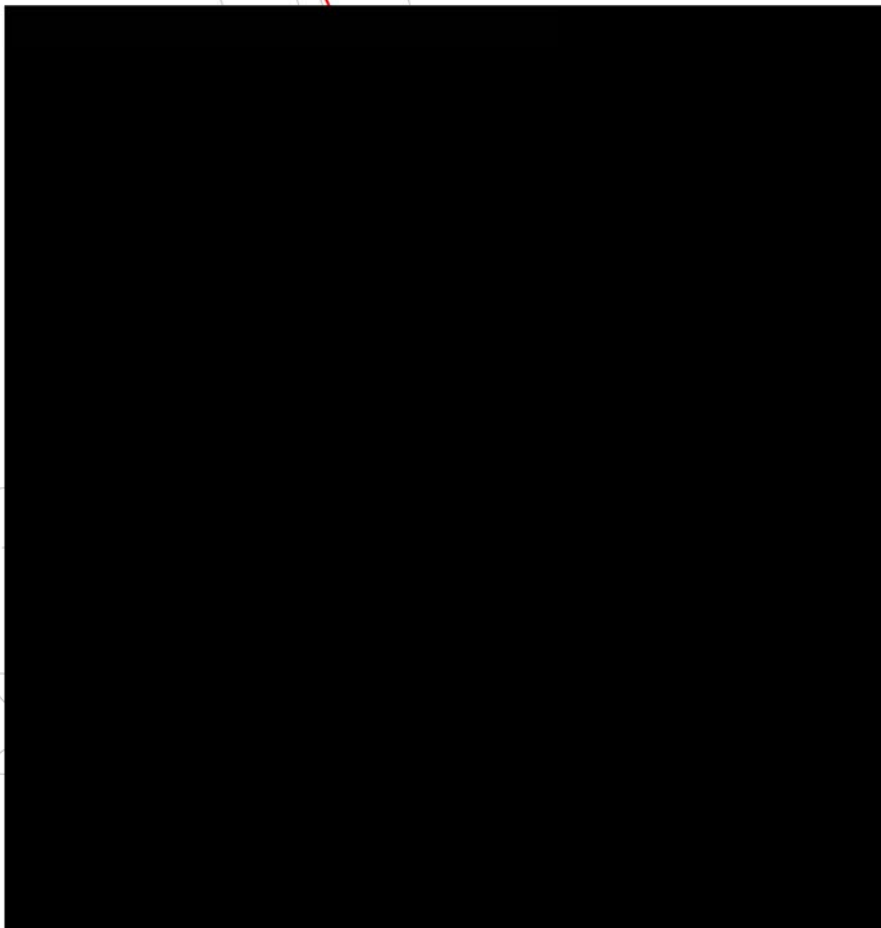
View Angle







5.1



CHAU

5.6

E

Track

TS

Project Title:

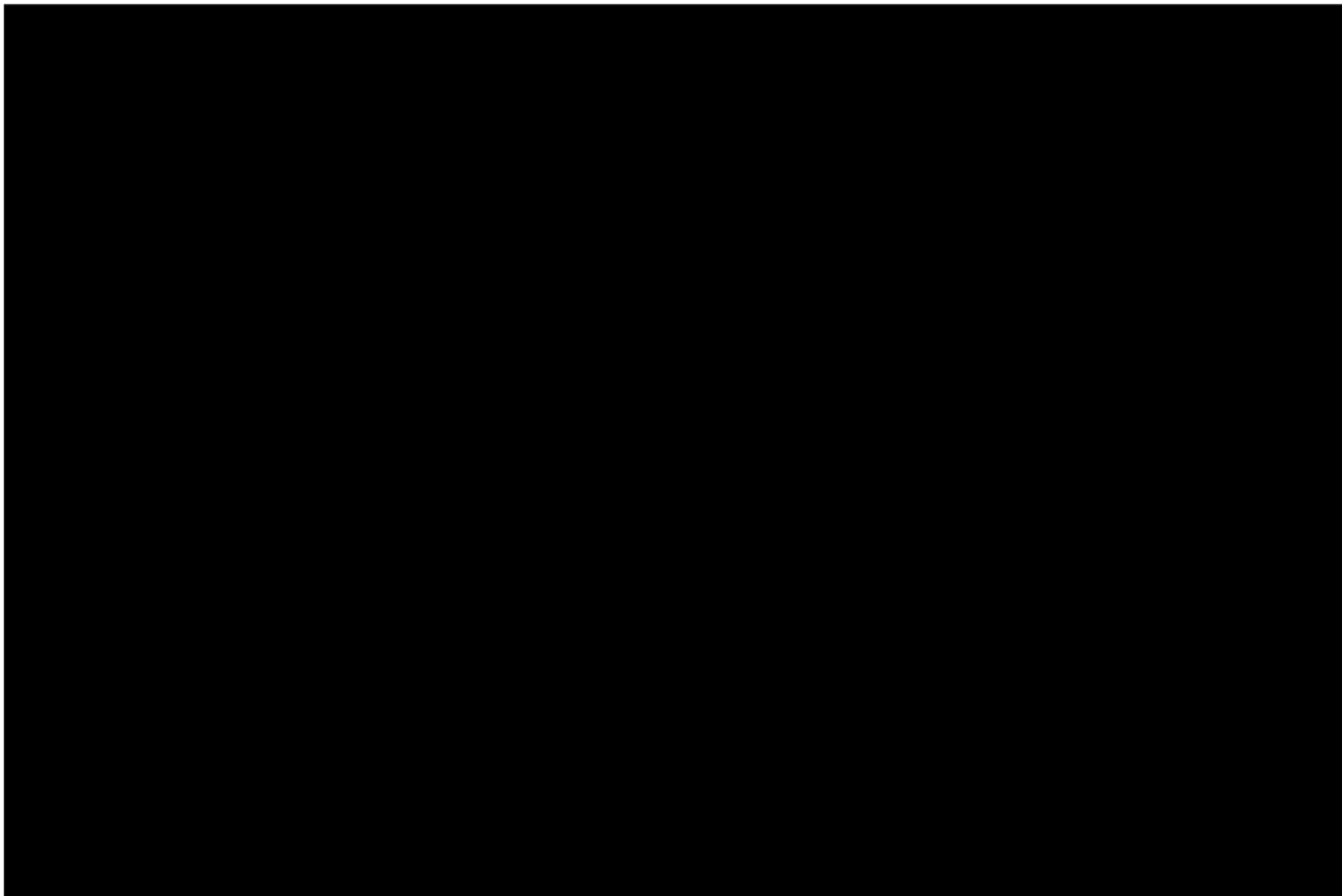
Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

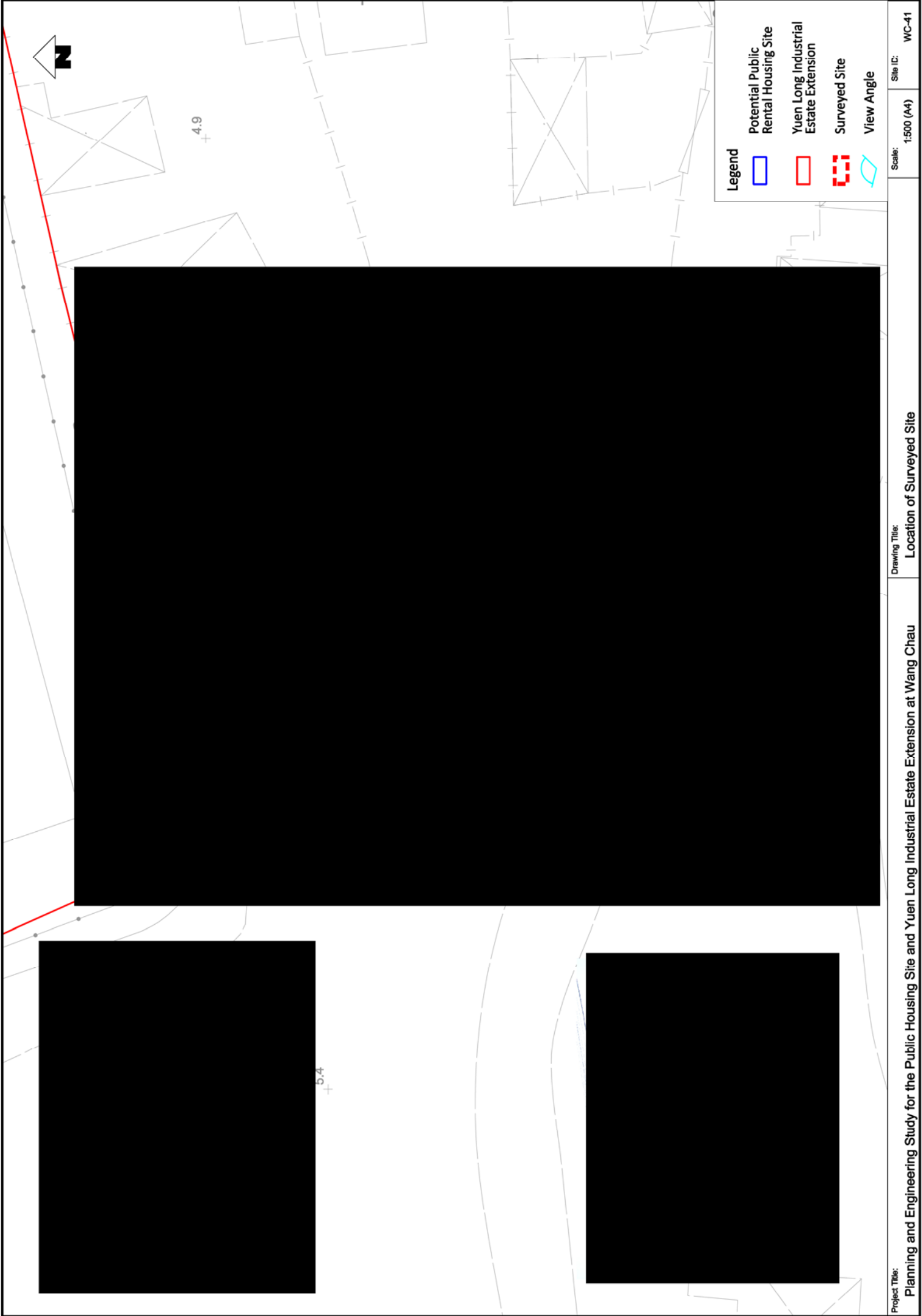
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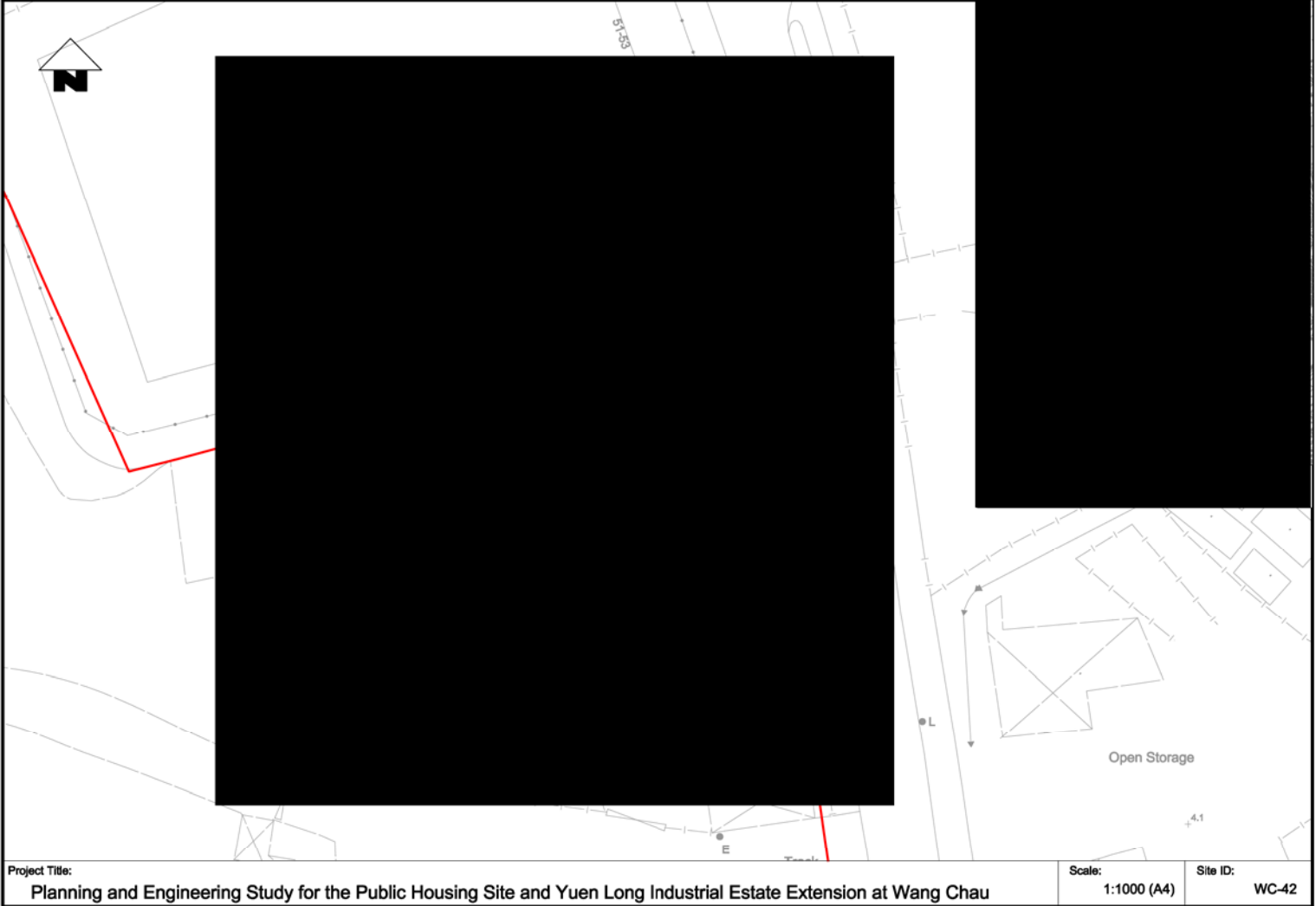
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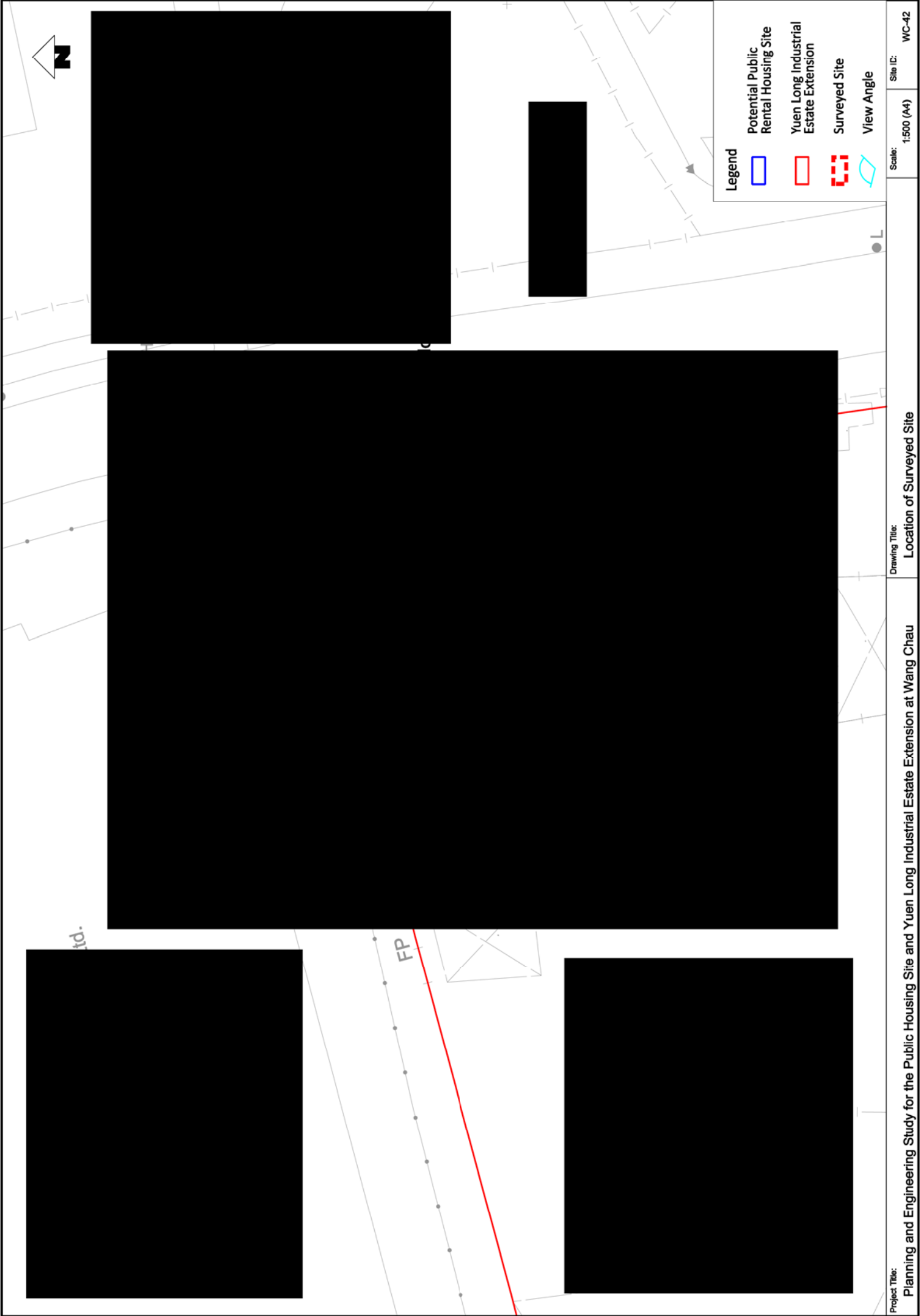
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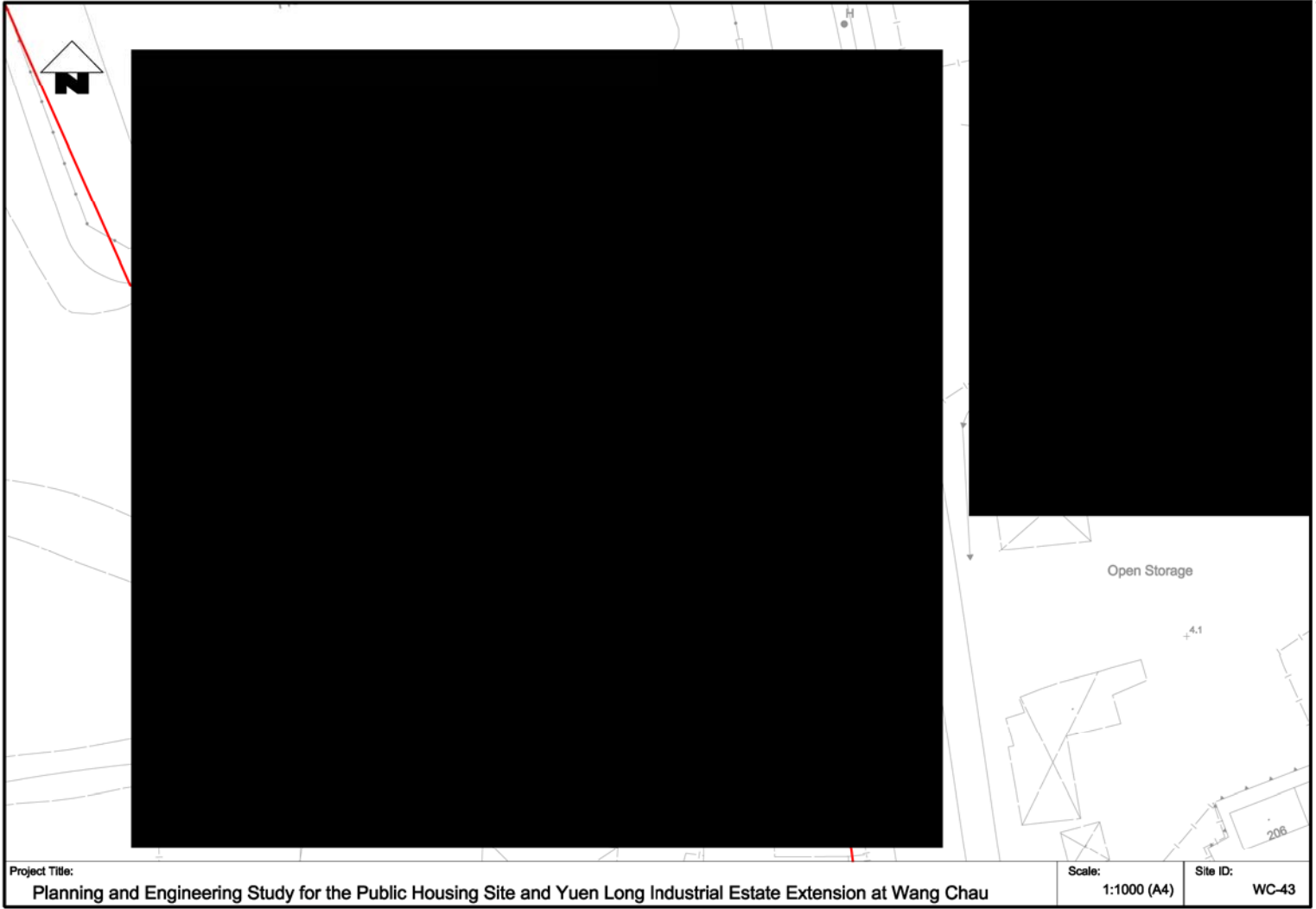
WC-41

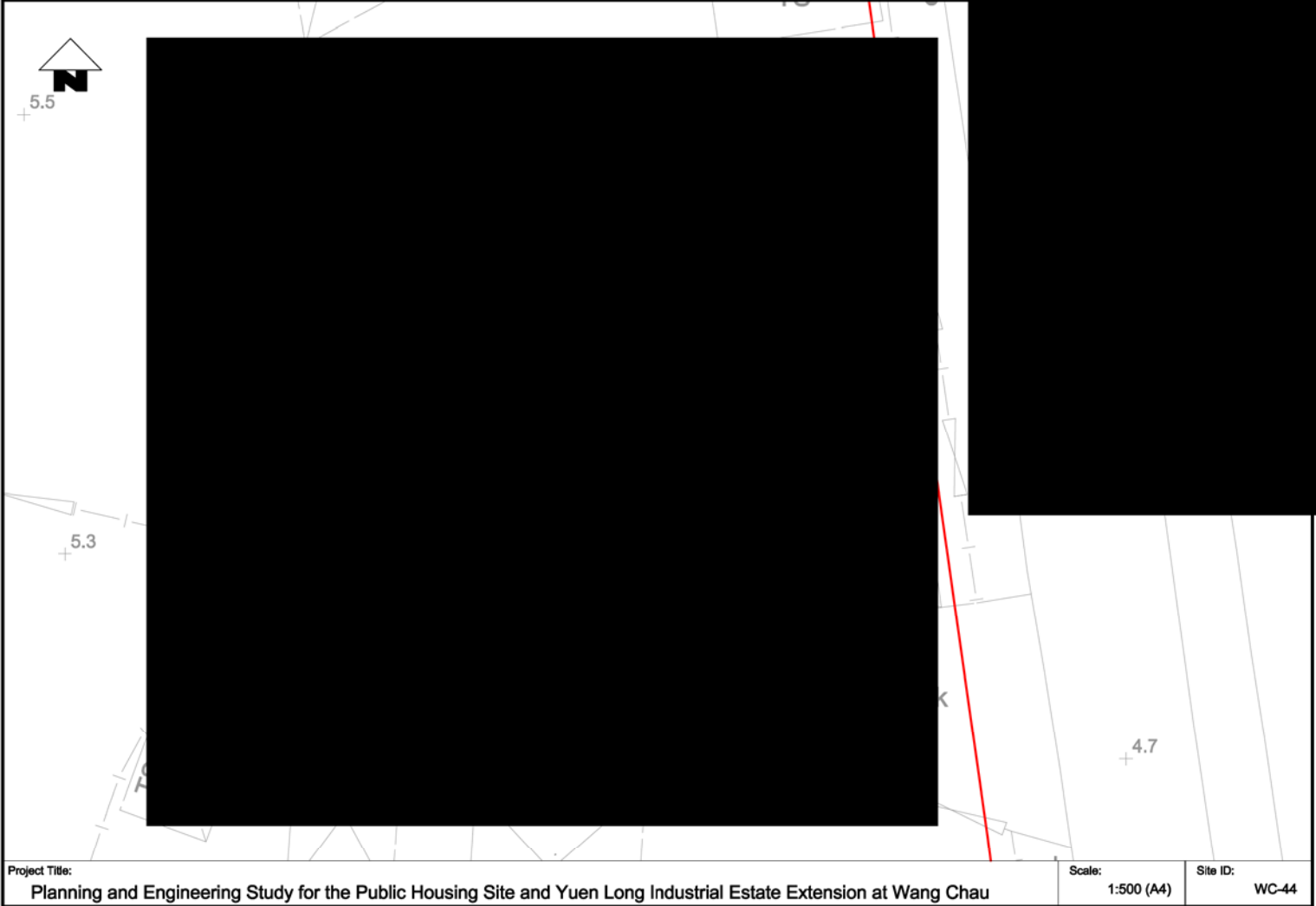


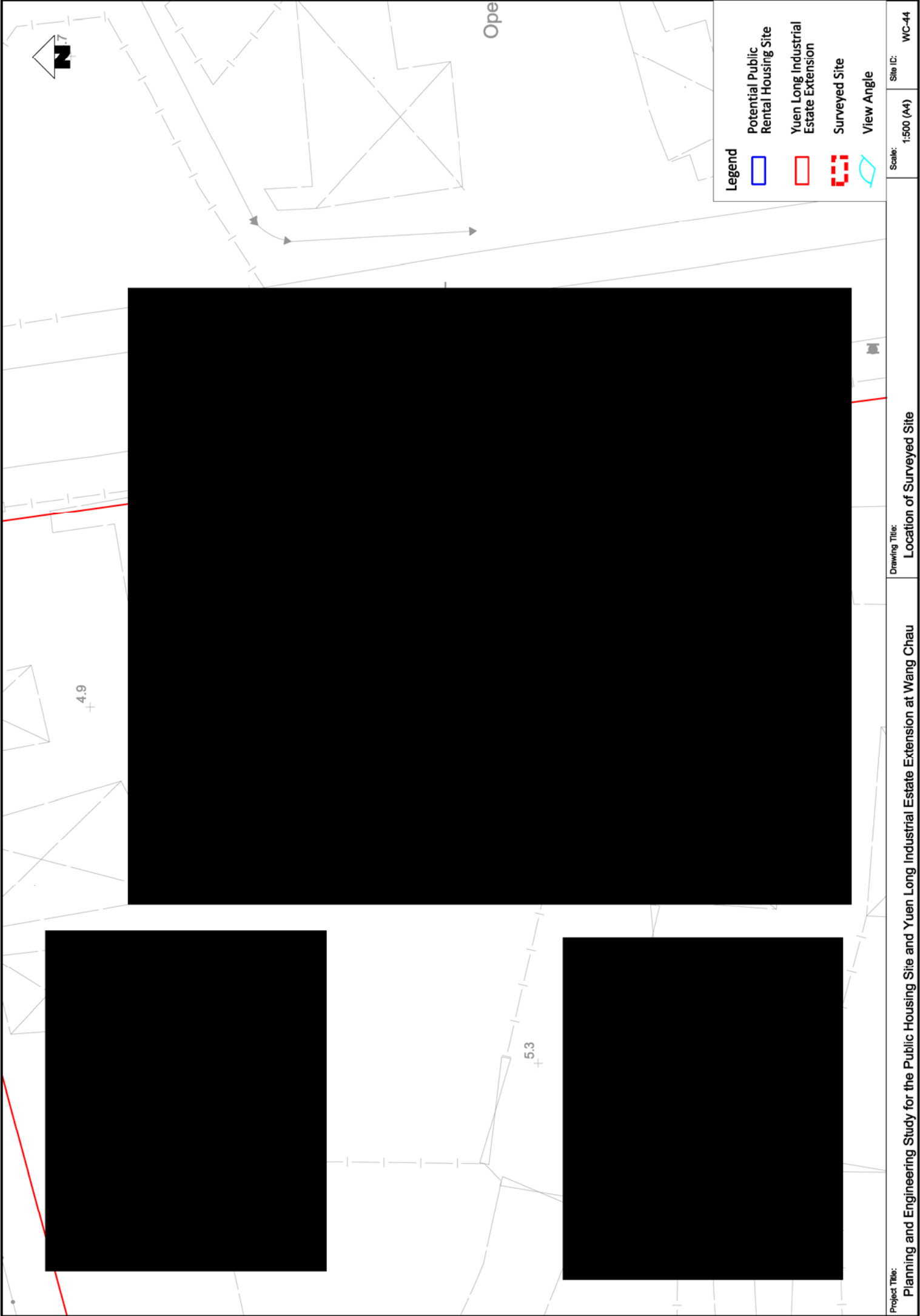


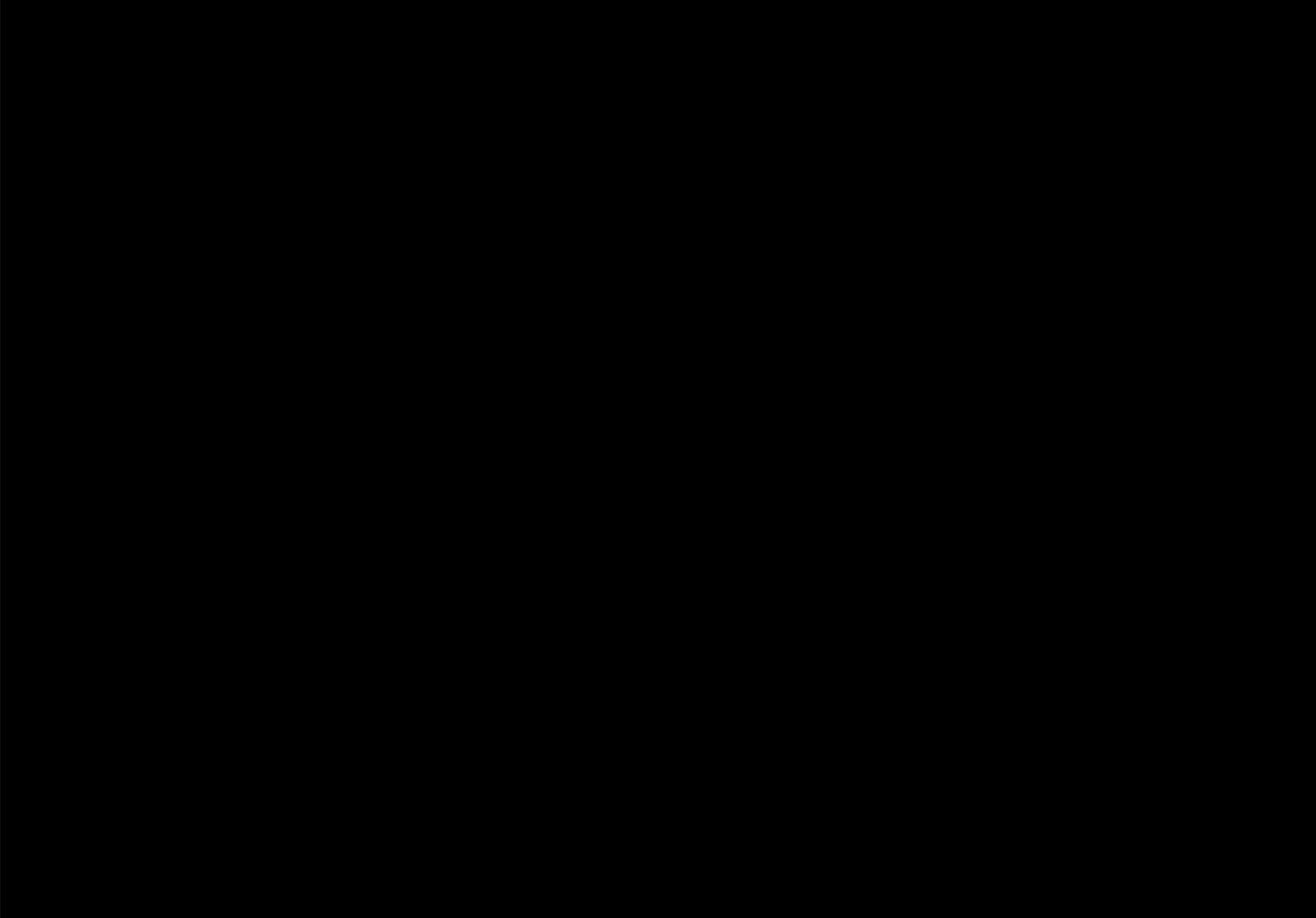














Project Title:

Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

Drawing Title:

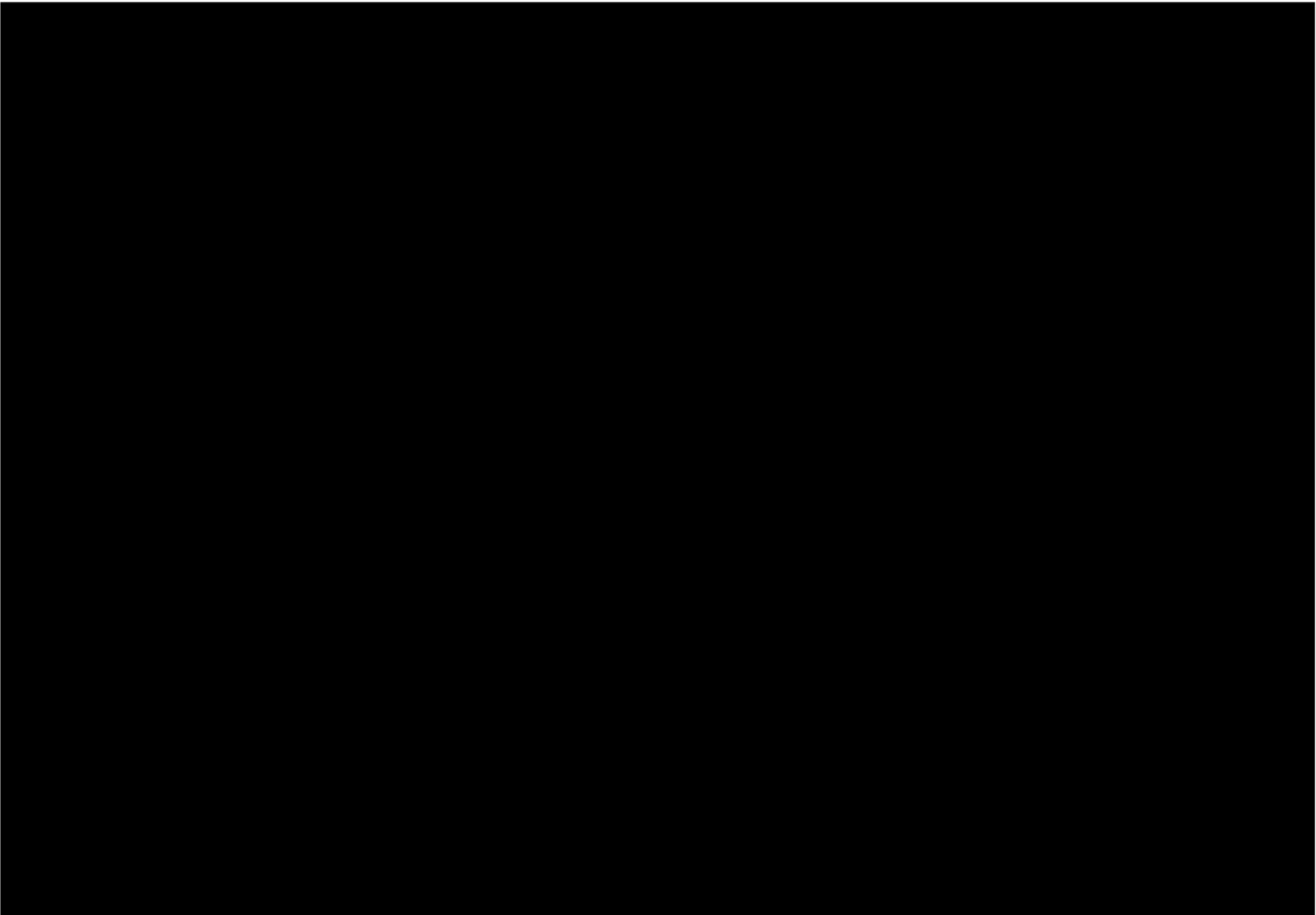
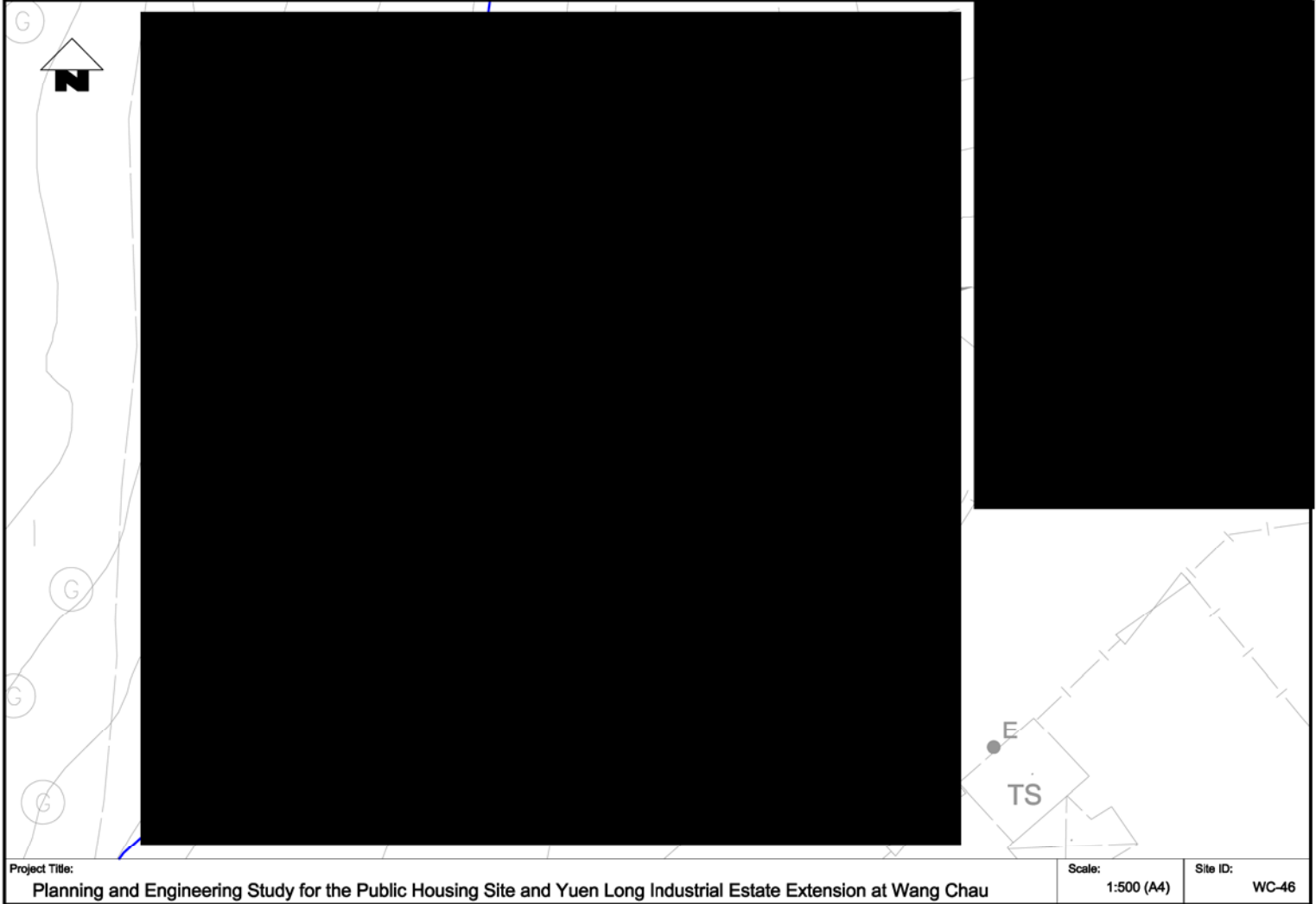
Location of Surveyed Site

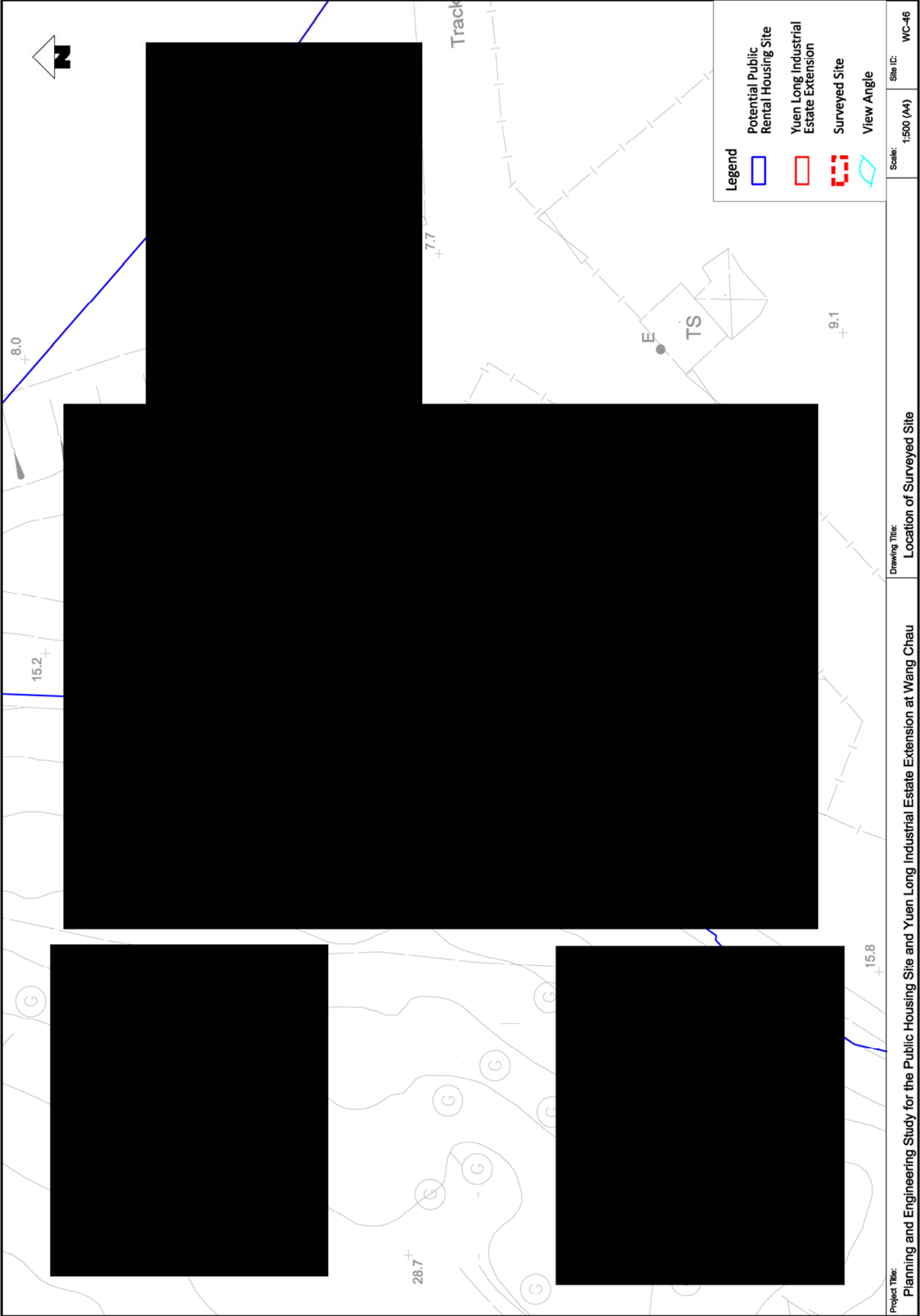
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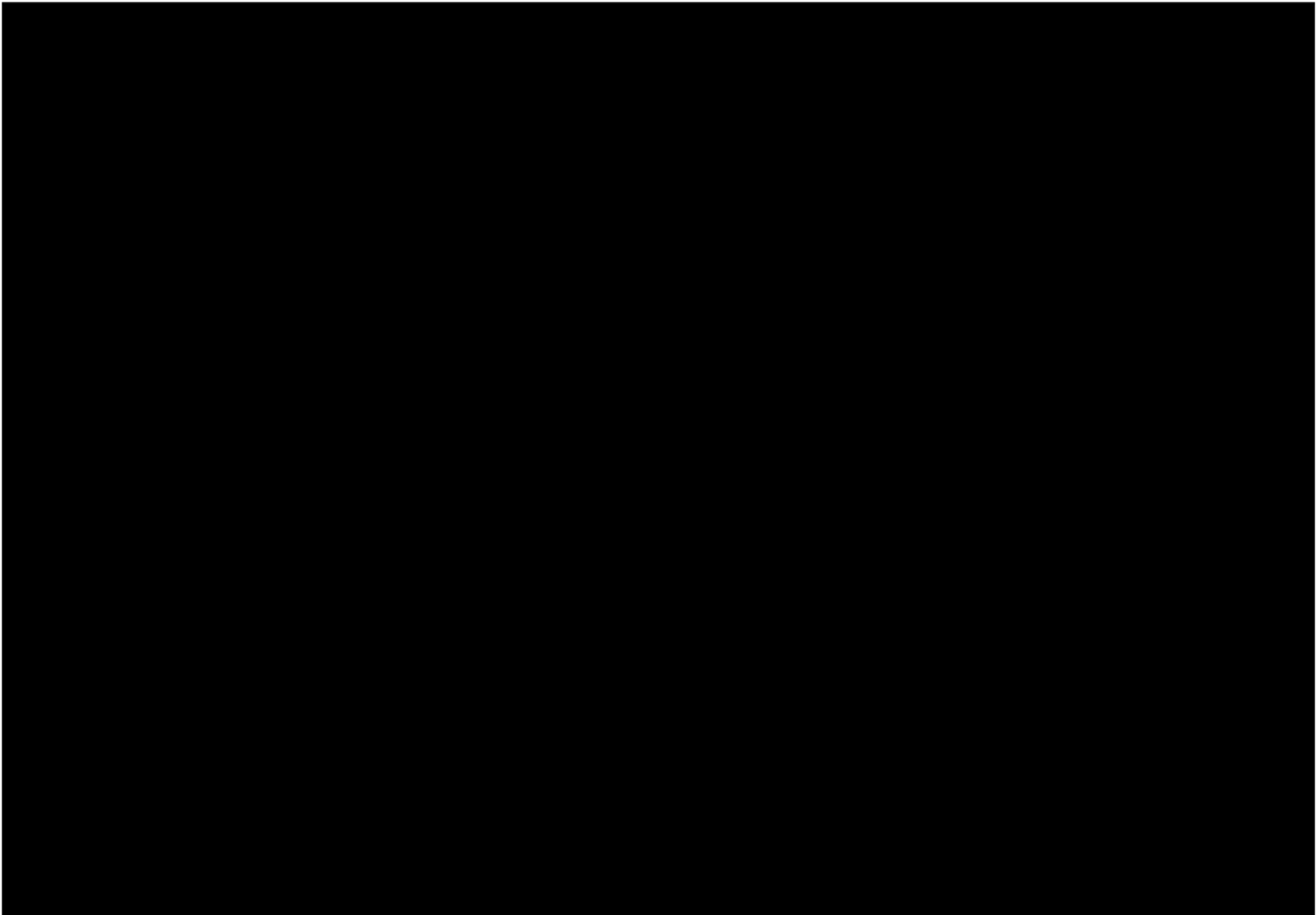
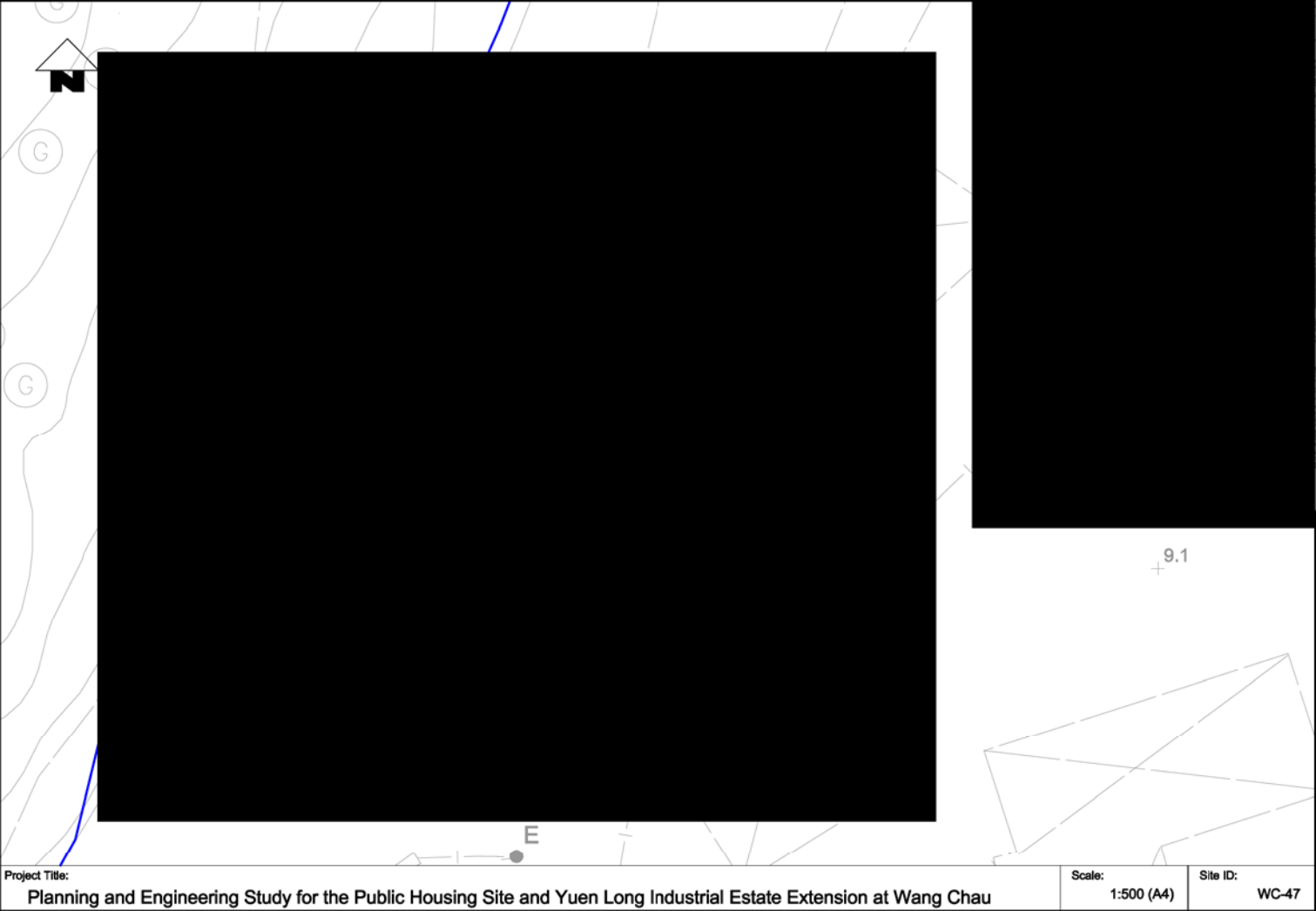
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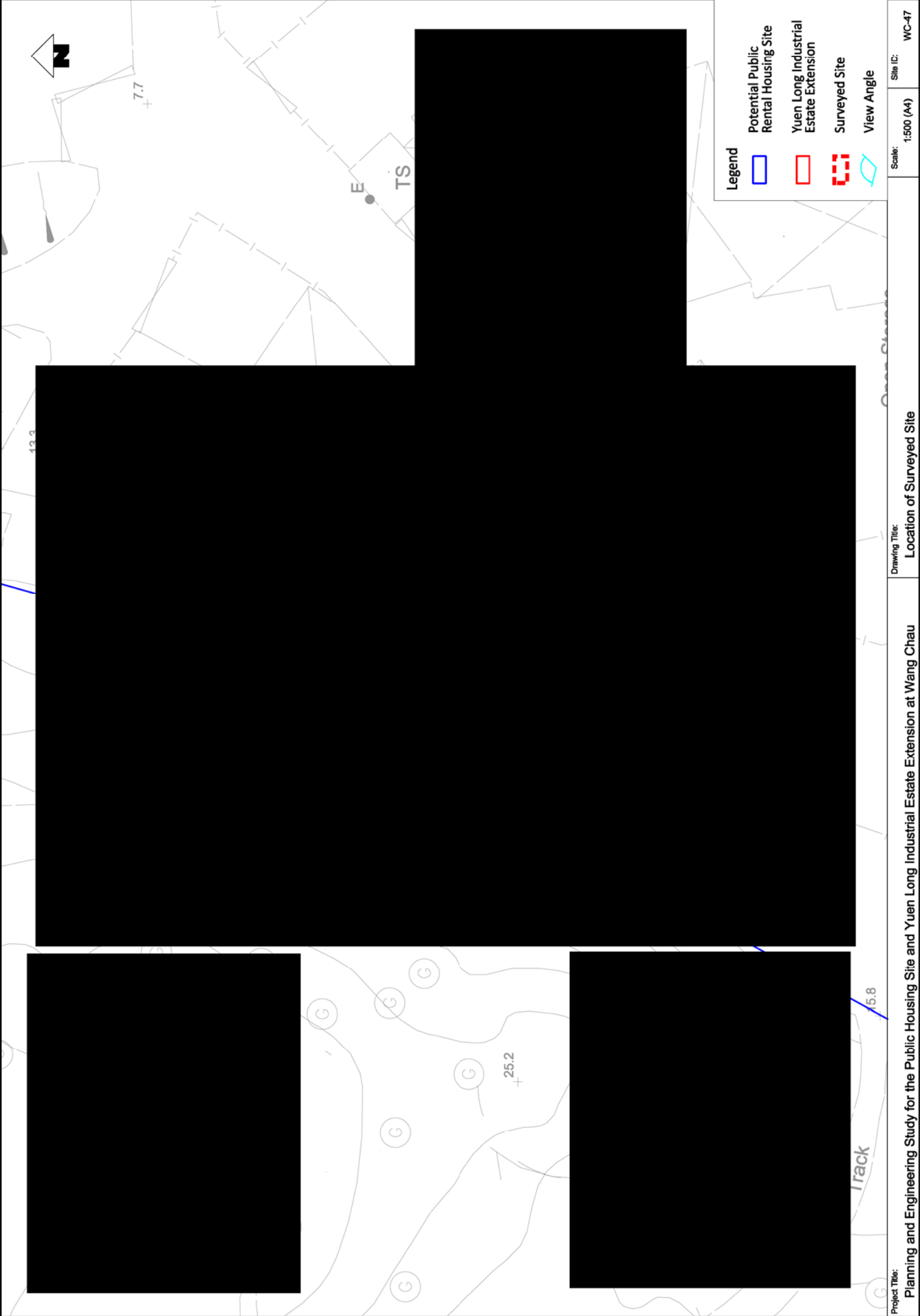
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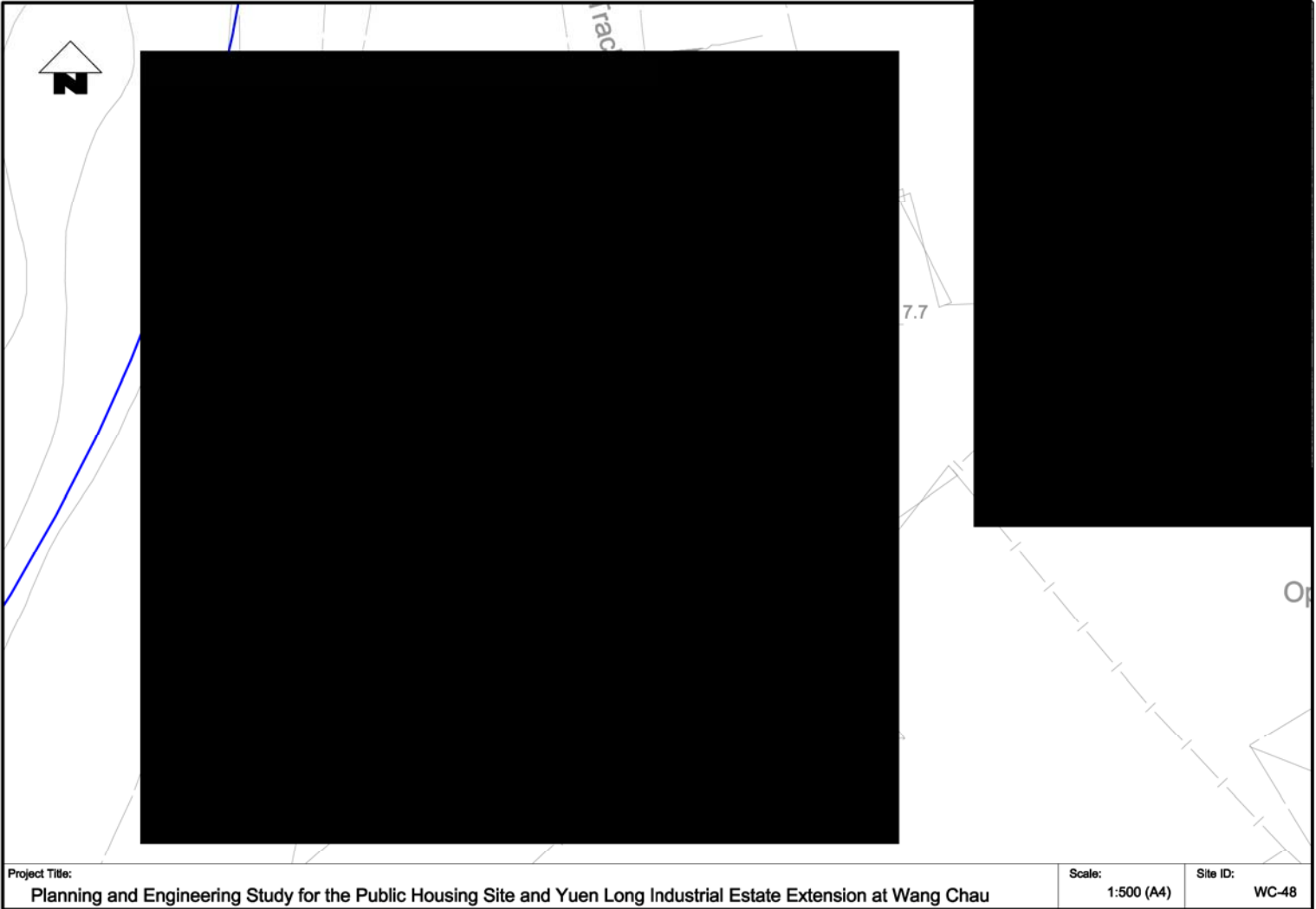
WC-45



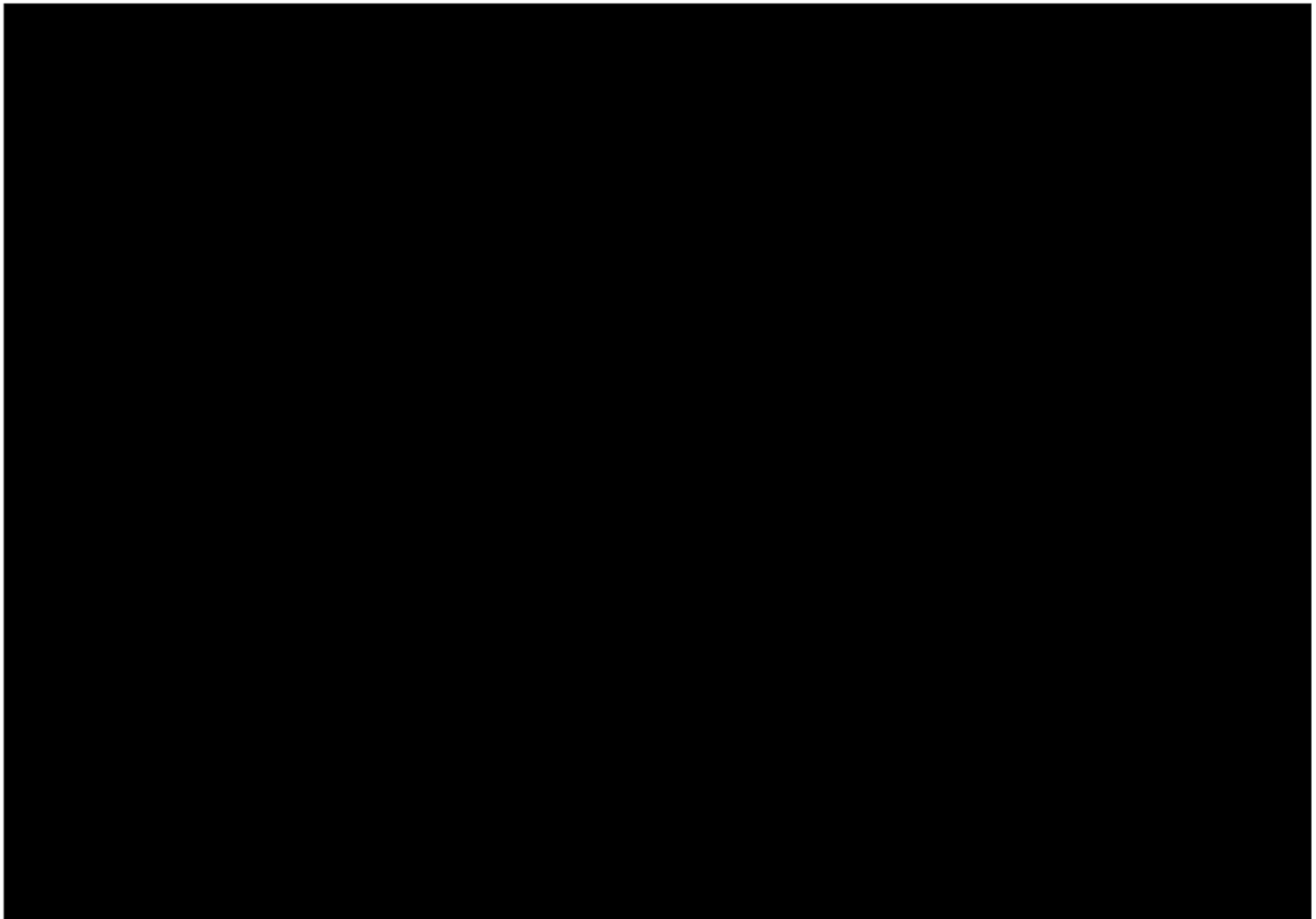


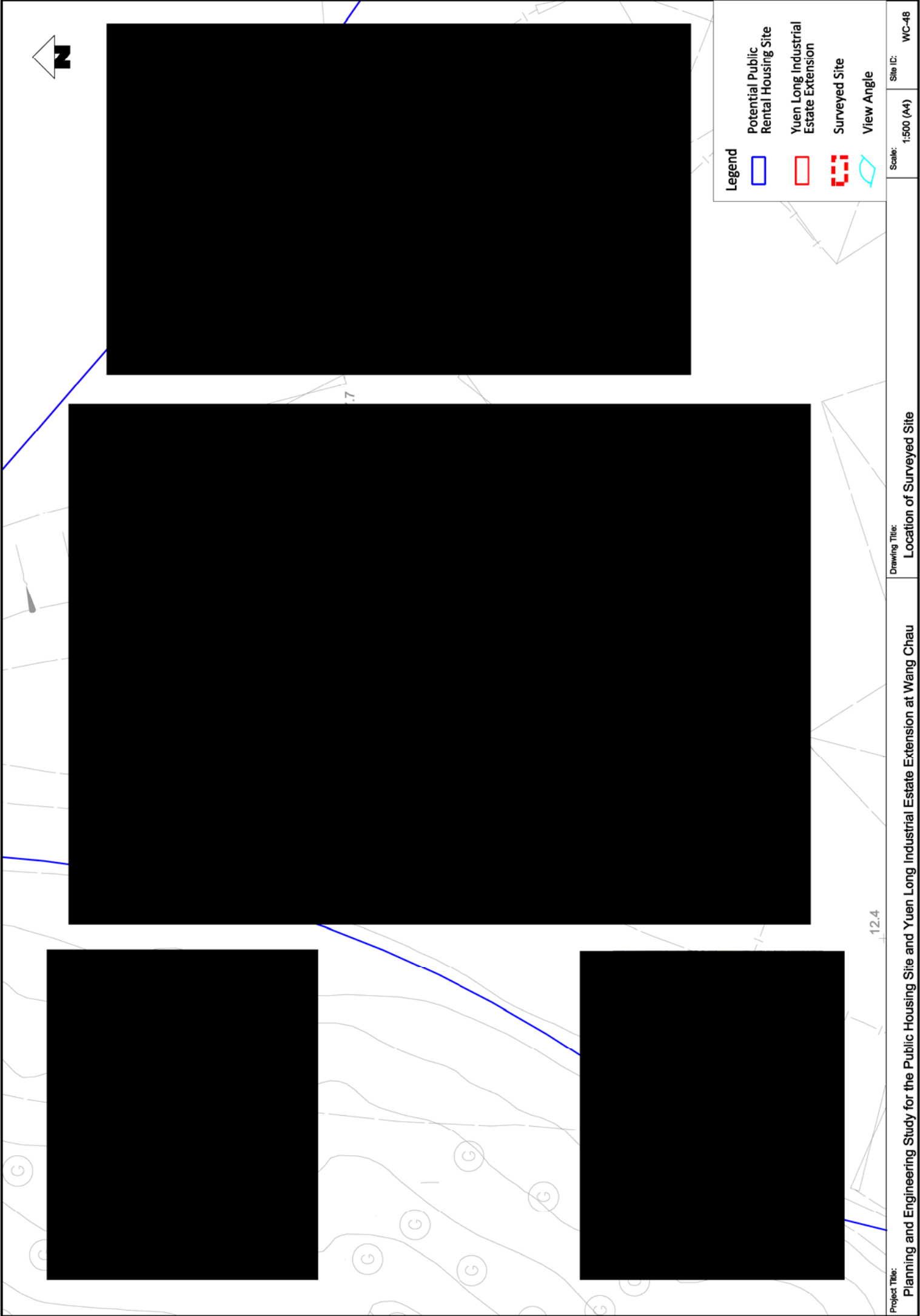






Project Title:	Scale:	Site ID:
Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau	1:500 (A4)	WC-48





Legend

Potential Public
Rental Housing Site

Yuen Long Industrial
Estate Extension

Surveyed Site

View Angle

Project Title:

Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

Drawing Title:

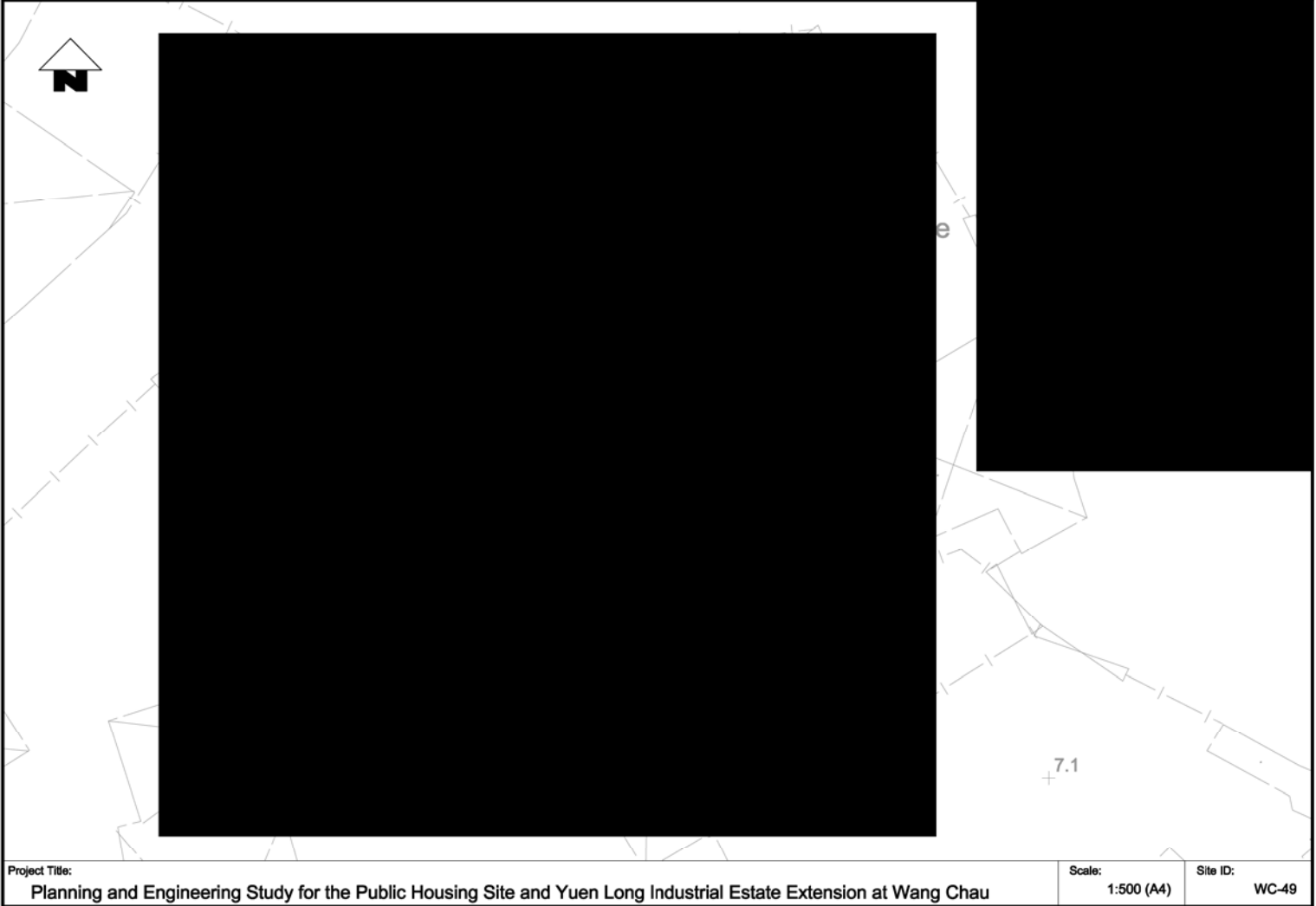
Location of Surveyed Site

Scale:

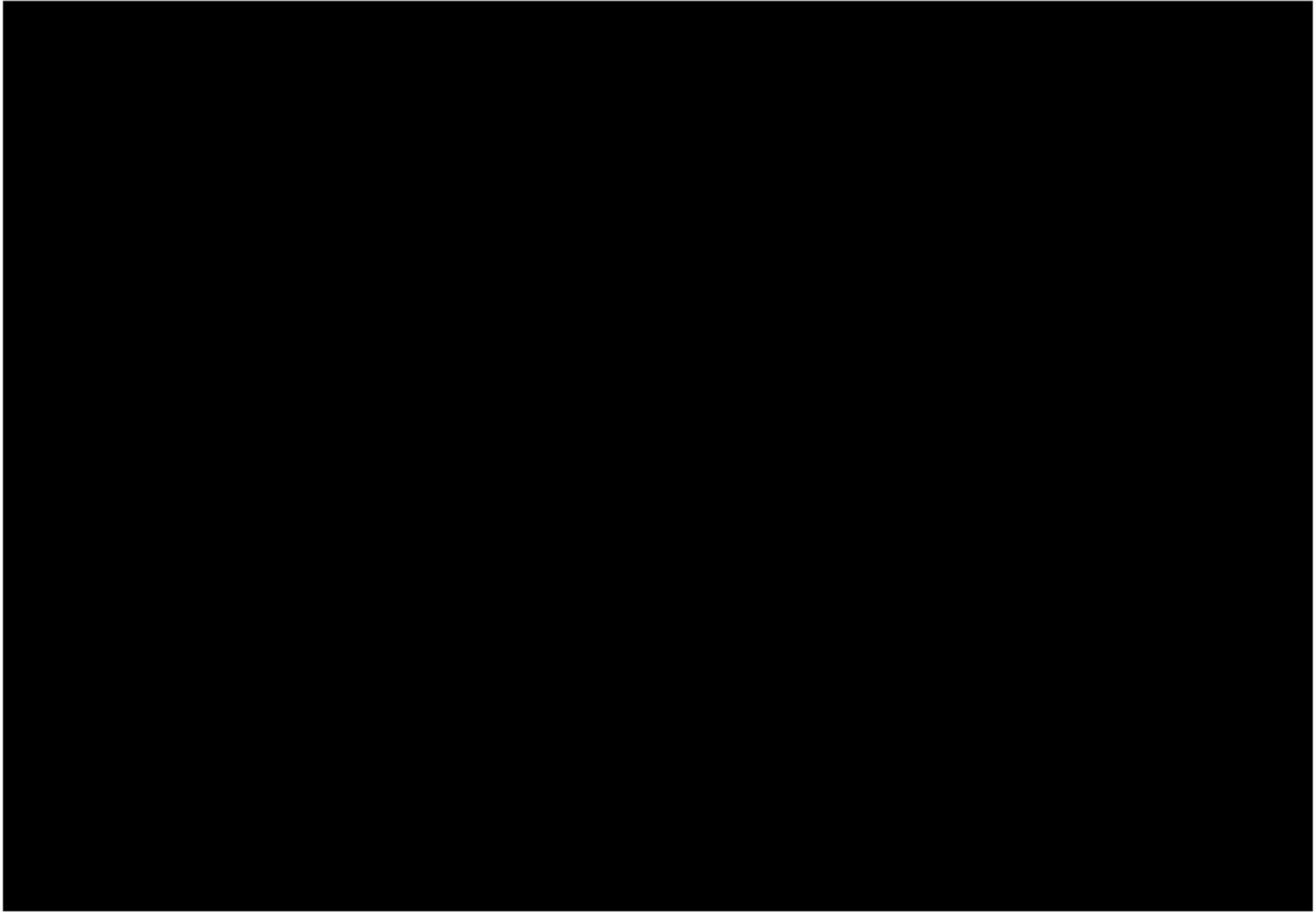
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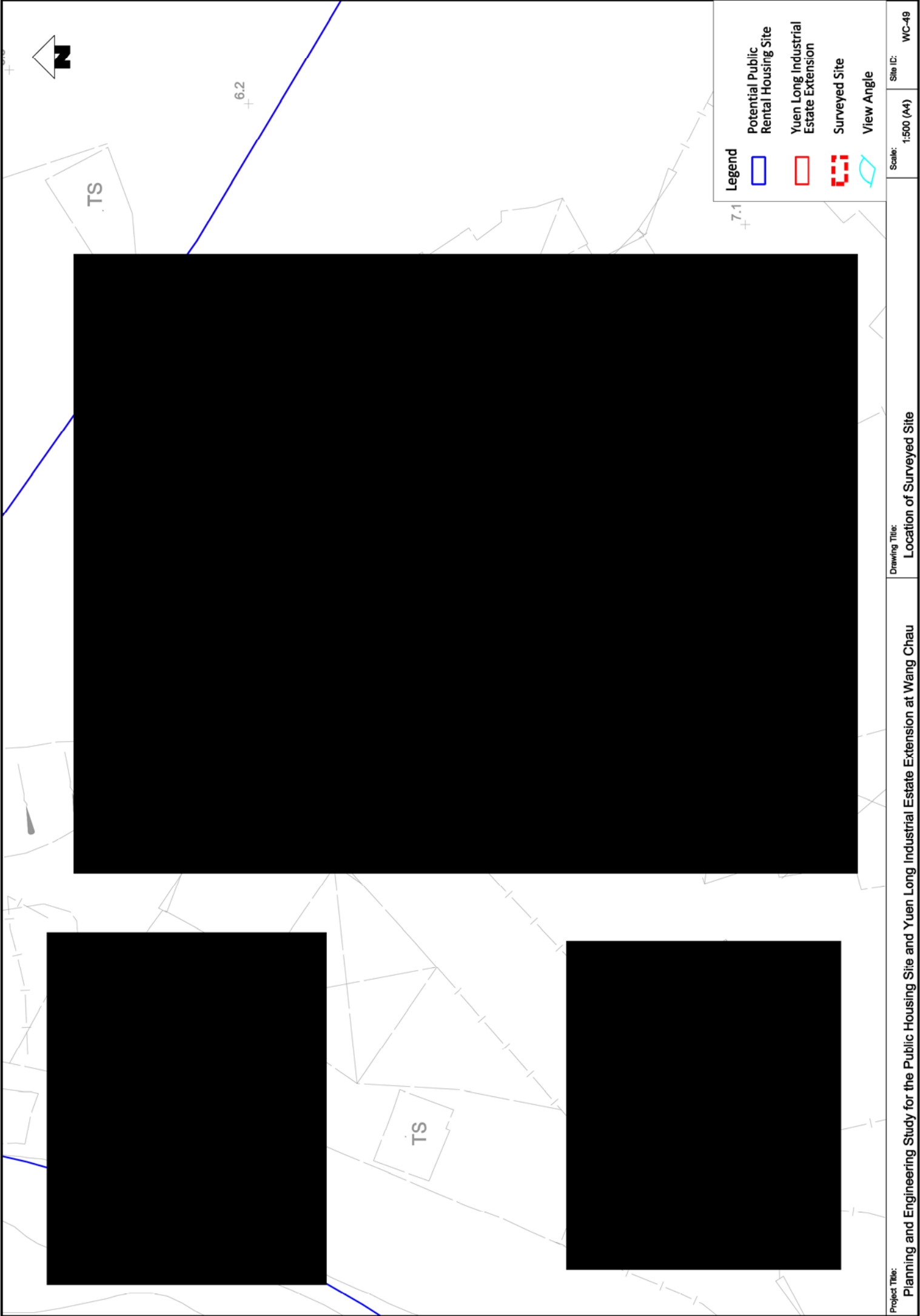
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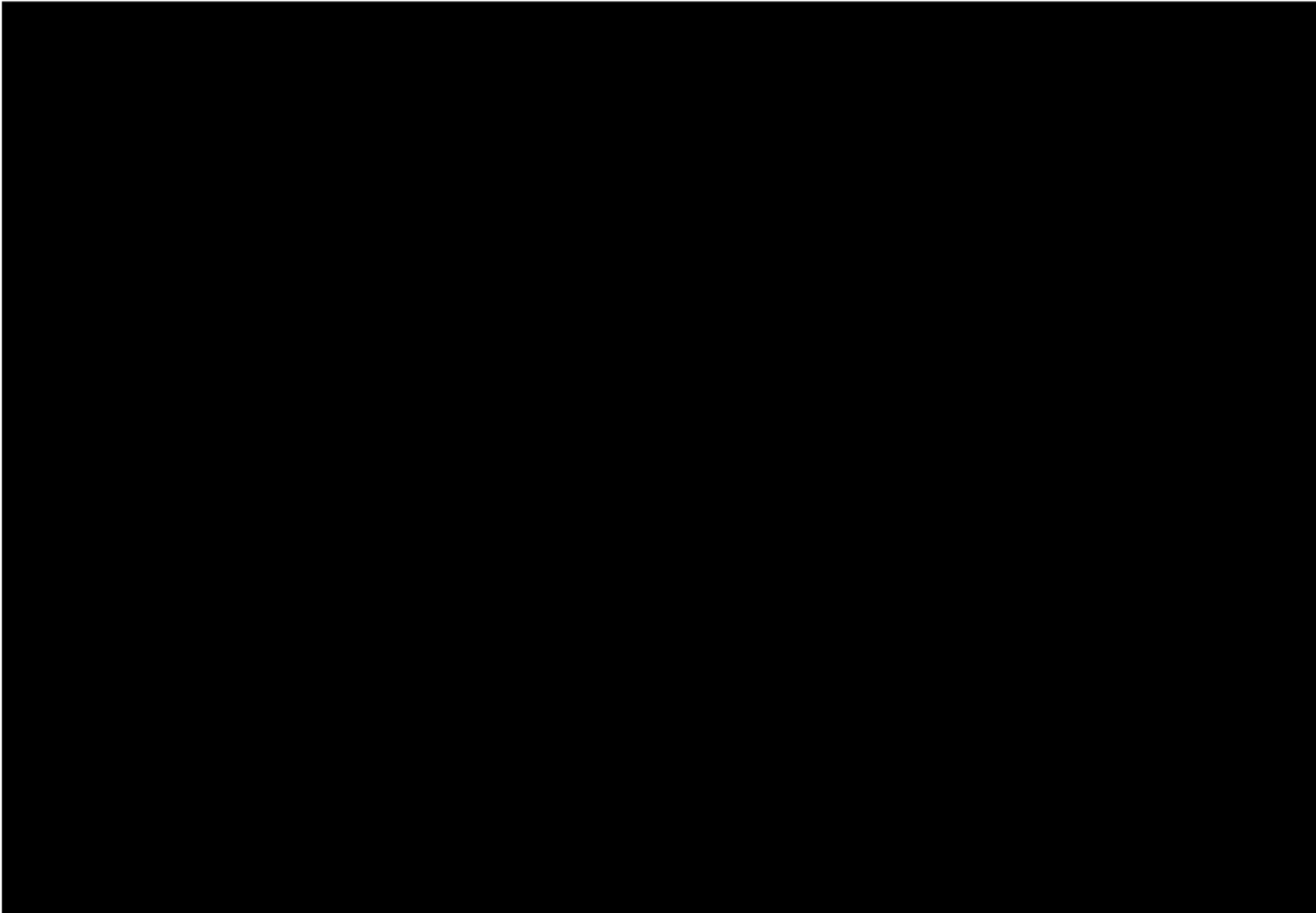
WC-48

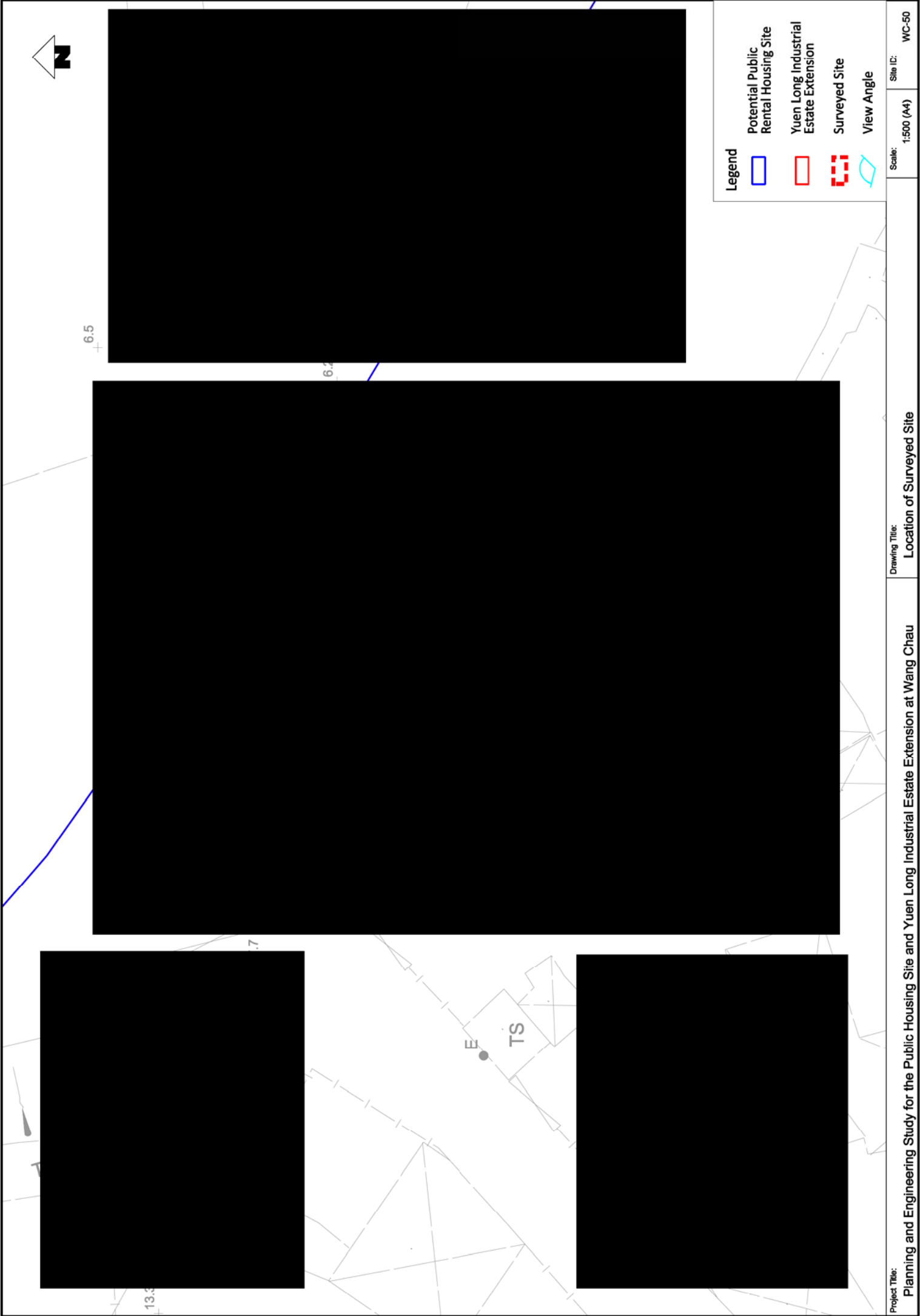


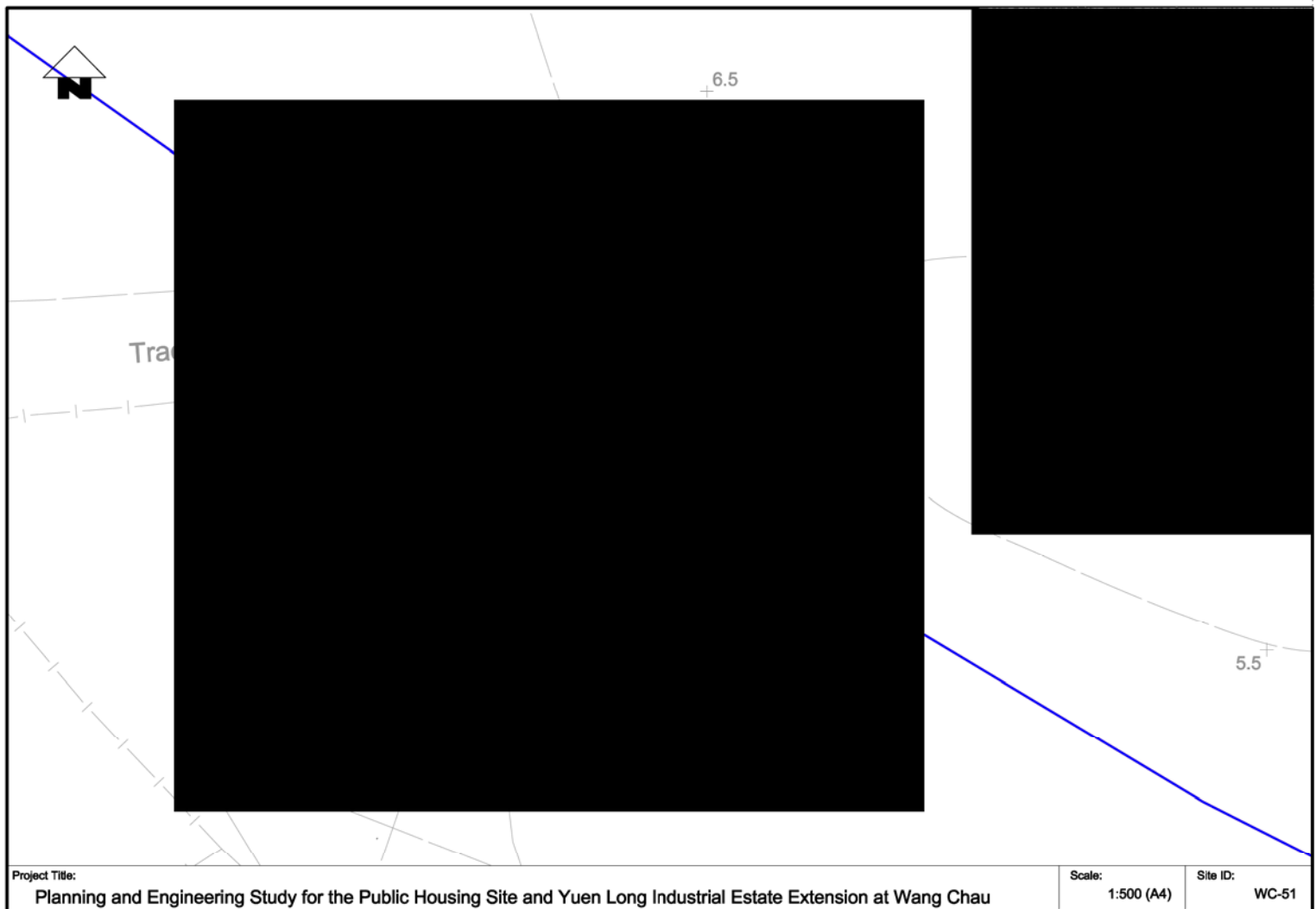
Project Title: Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau	Scale: 1:500 (A4)	Site ID: WC-49
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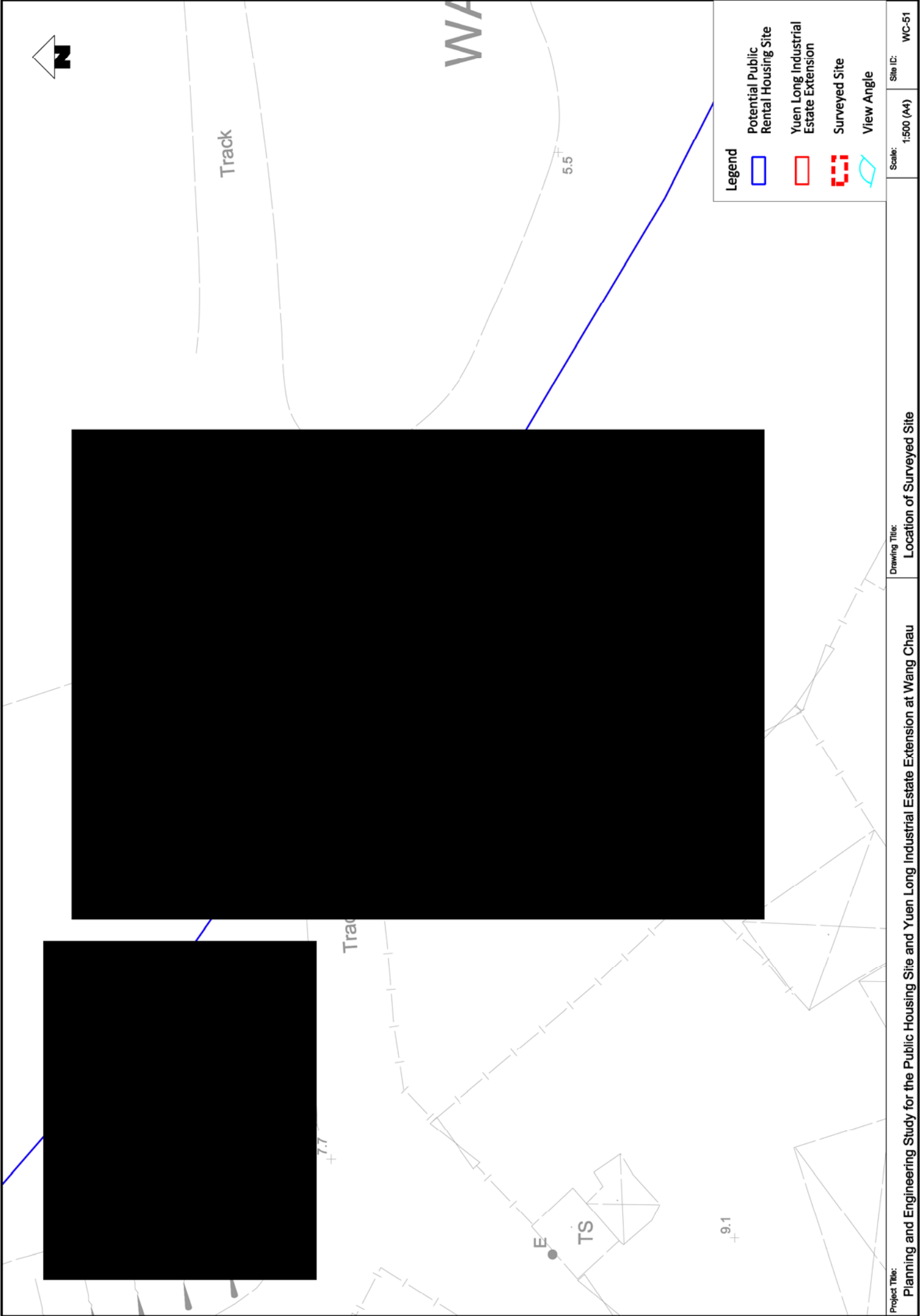


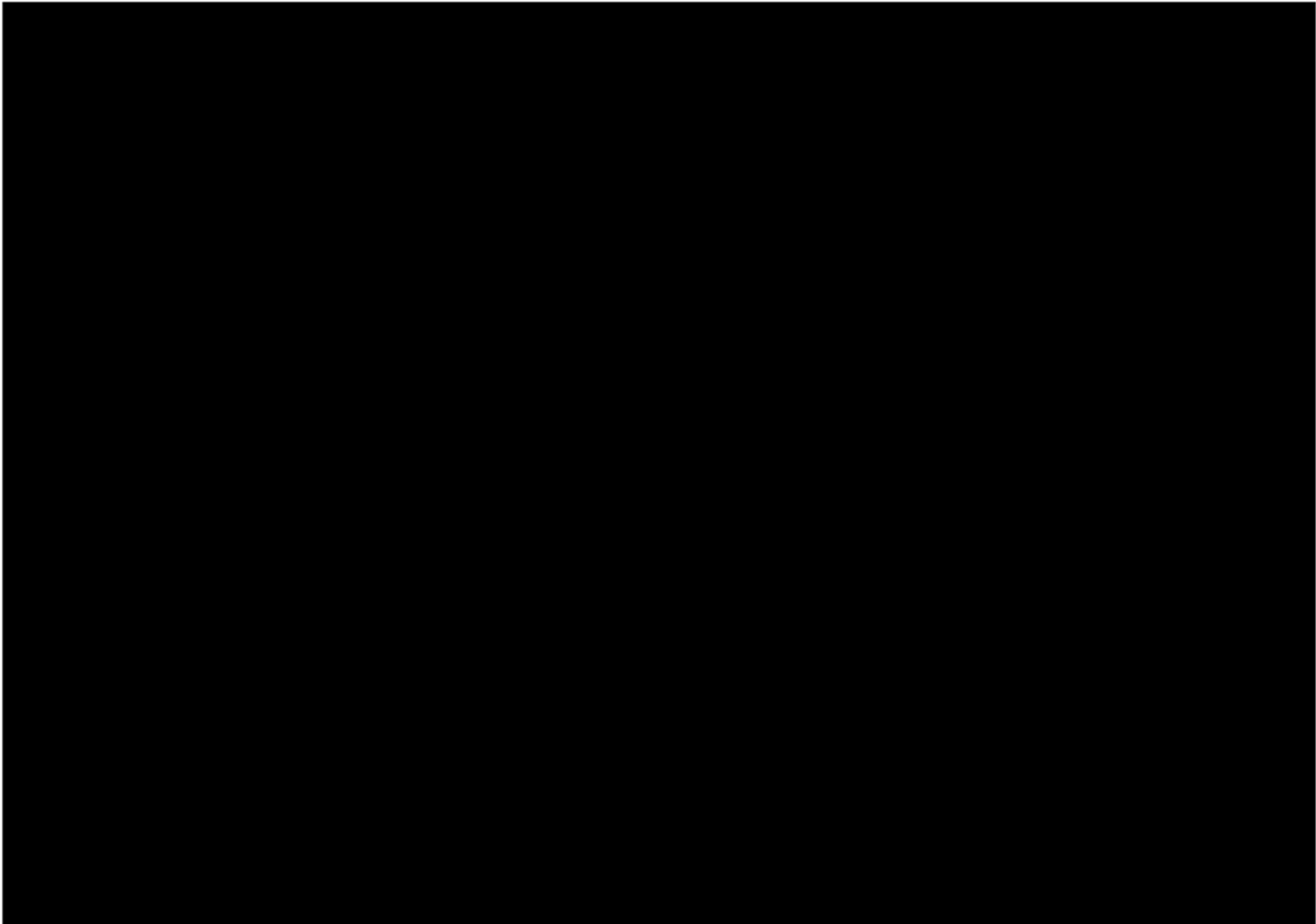
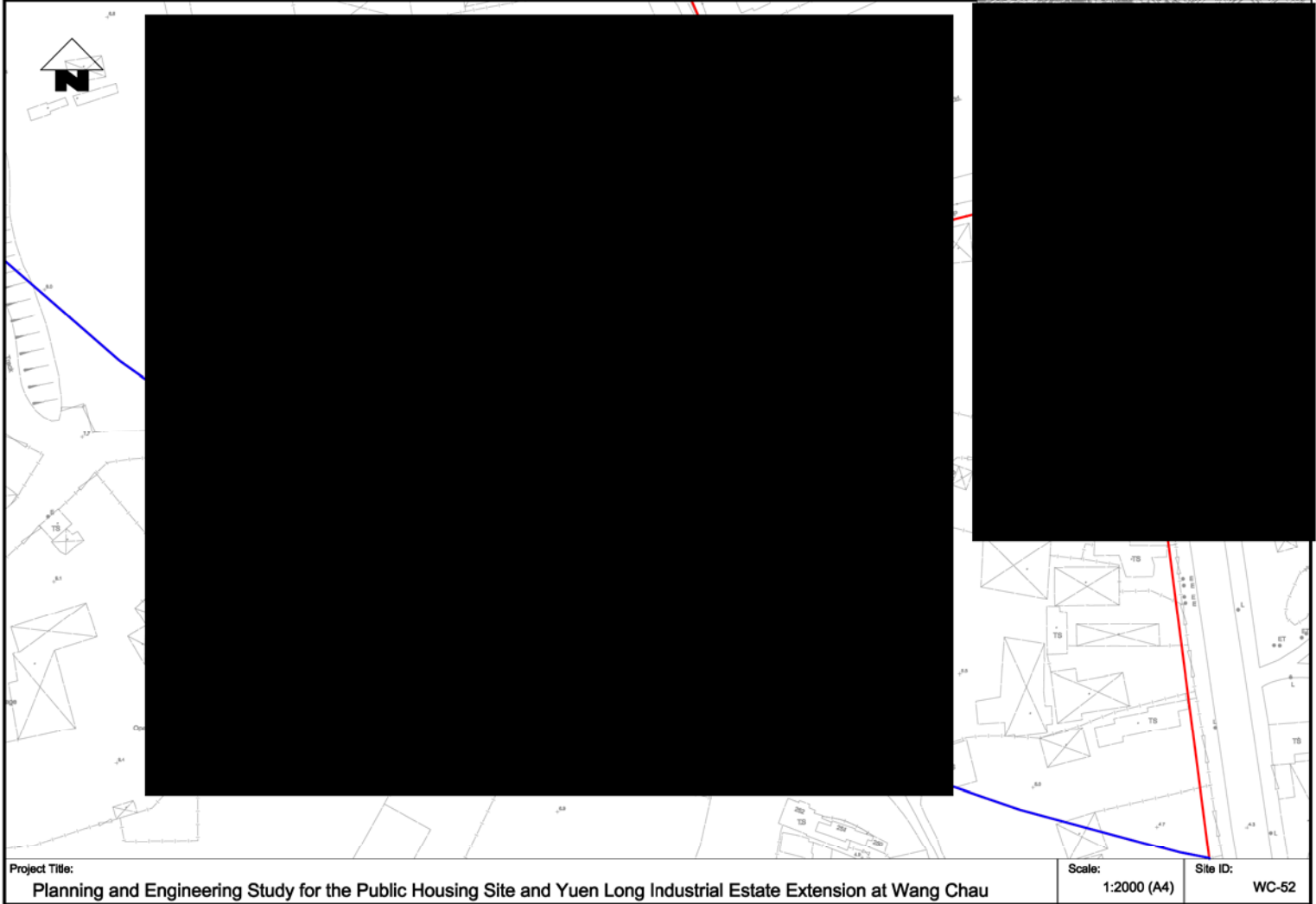


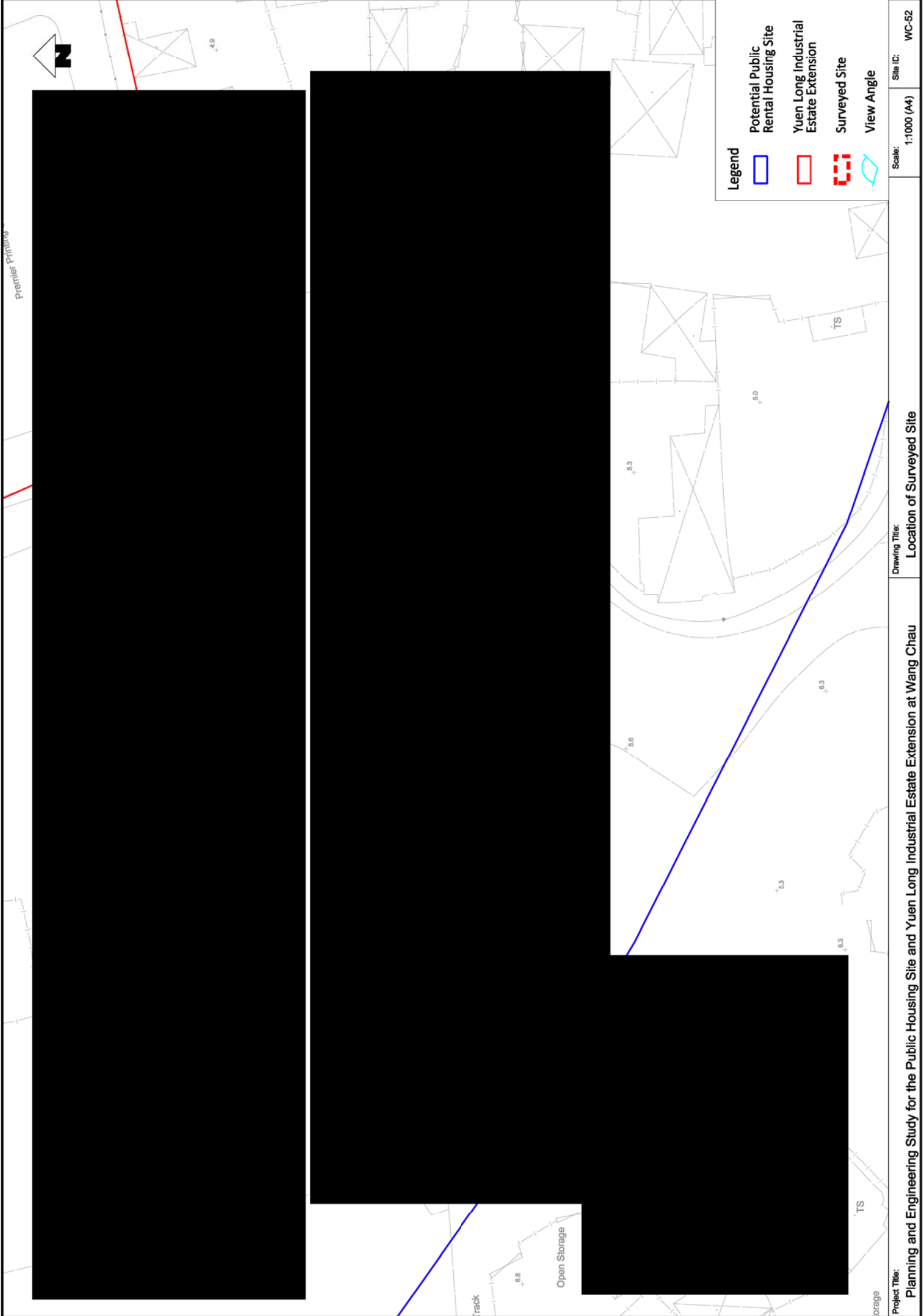


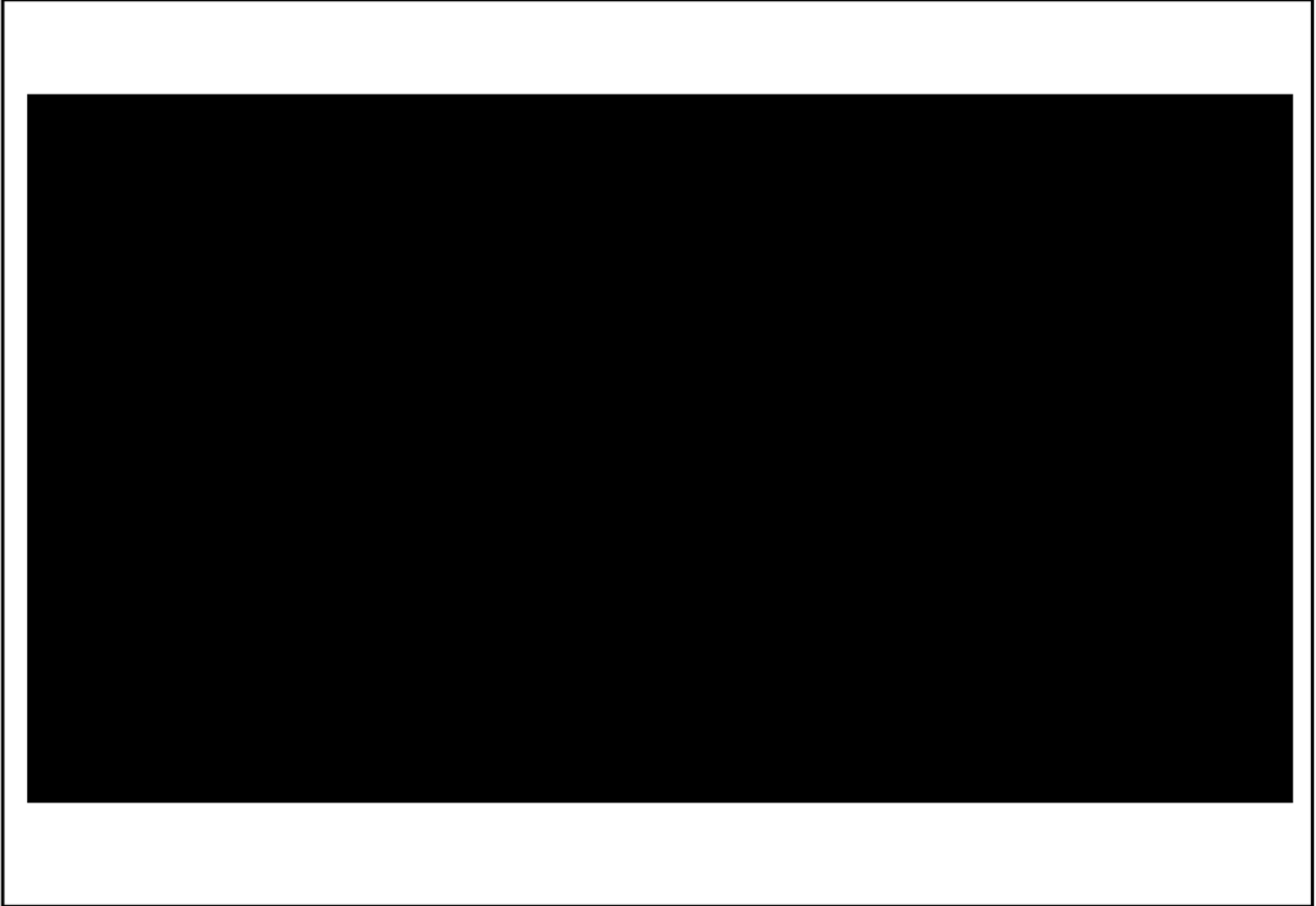
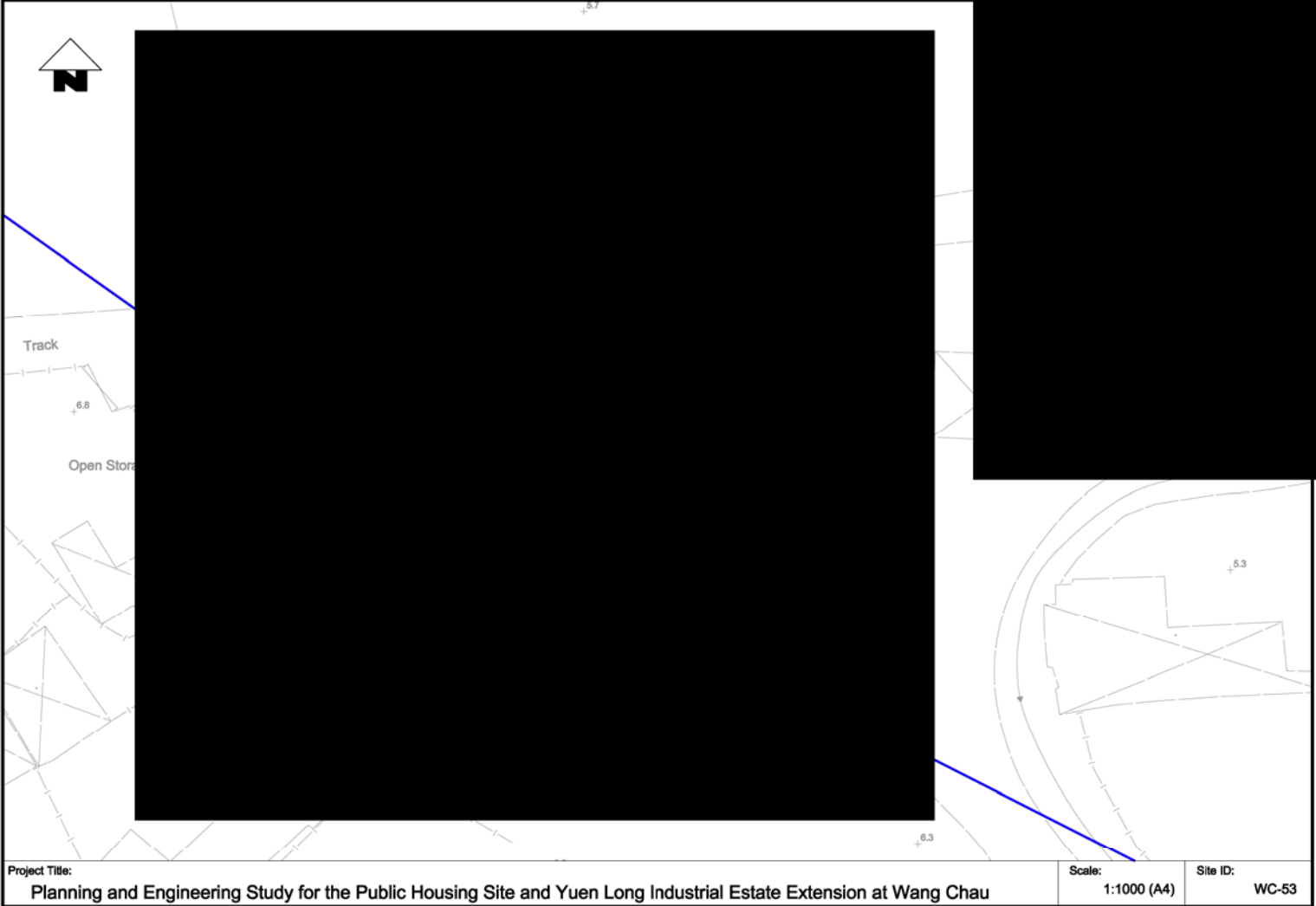


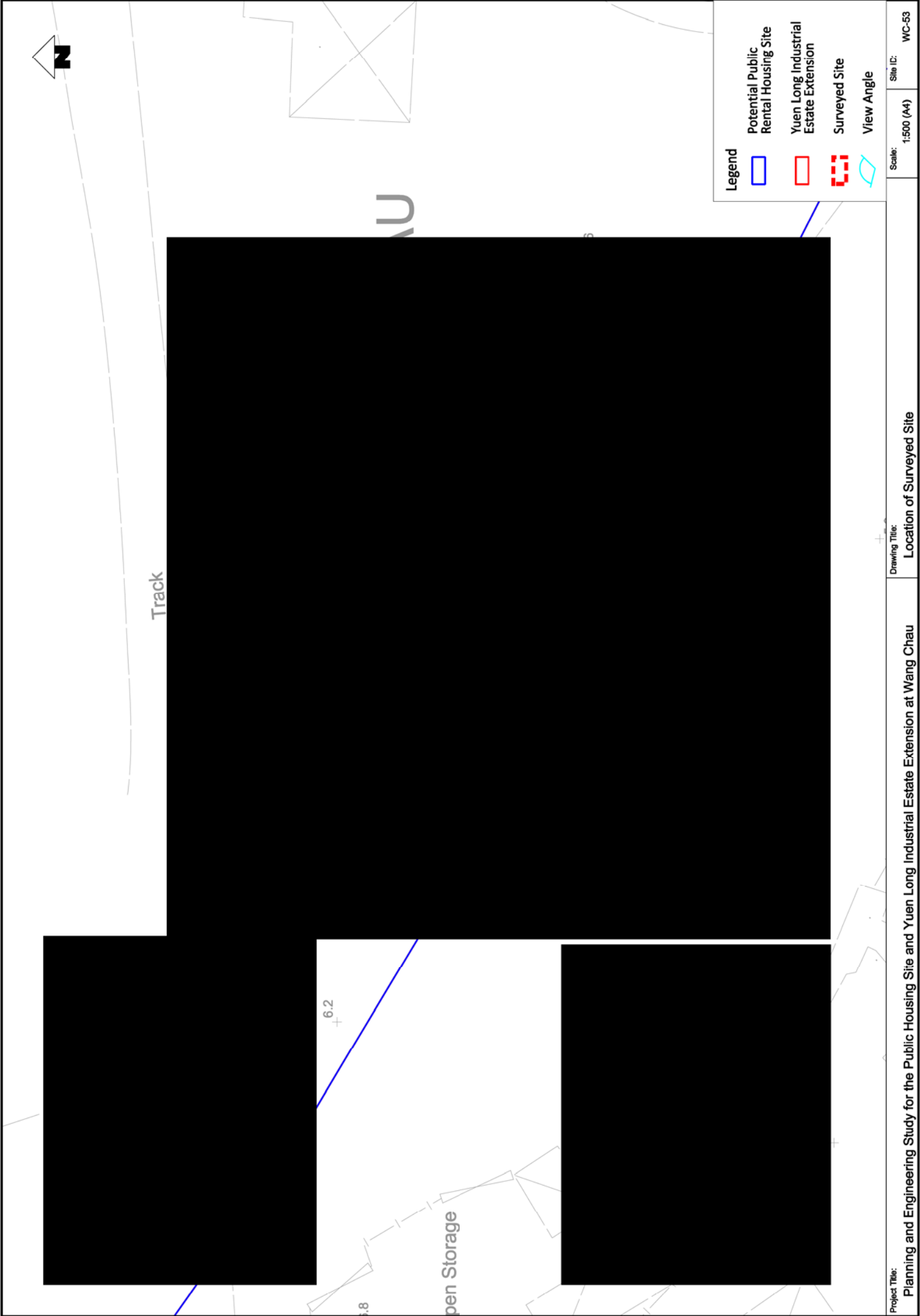


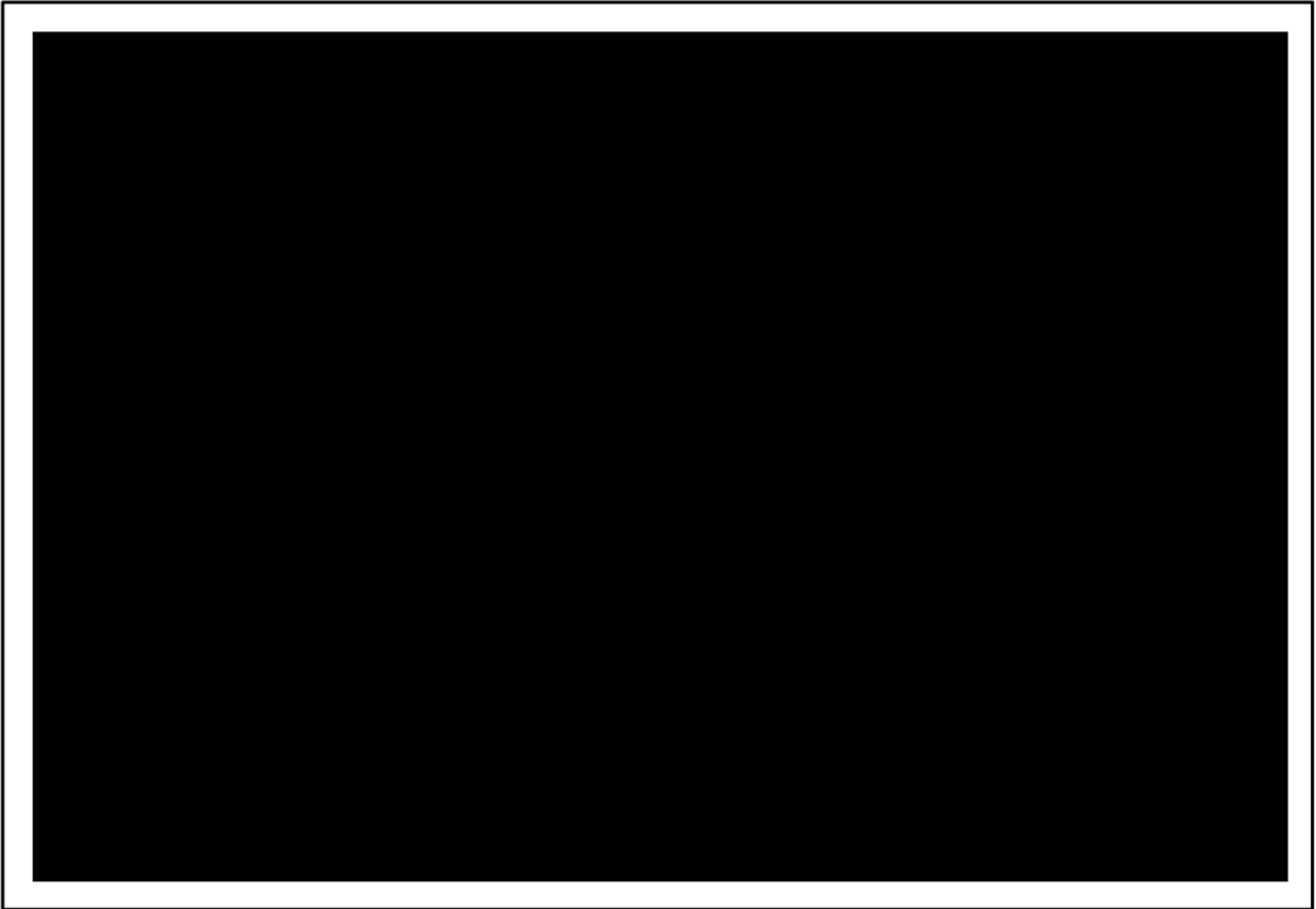
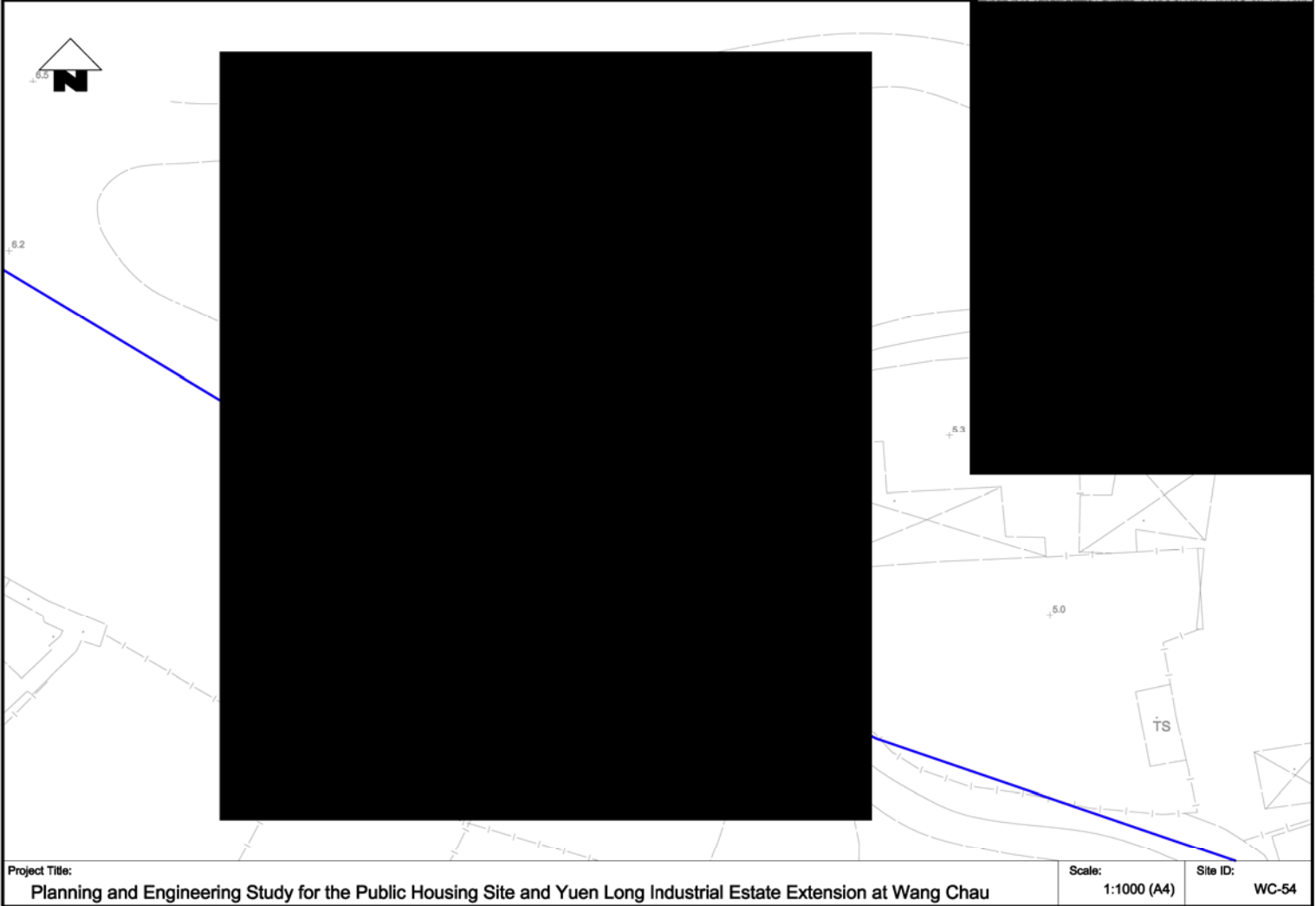




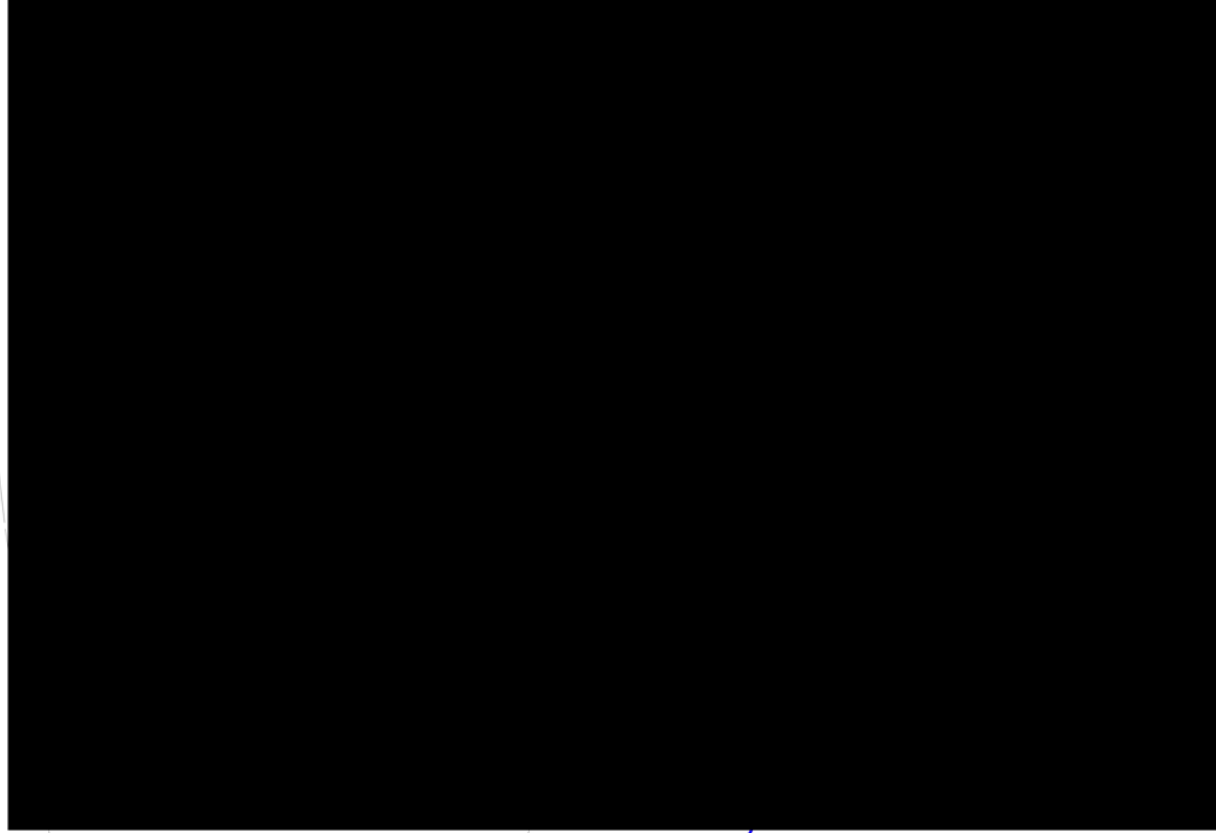
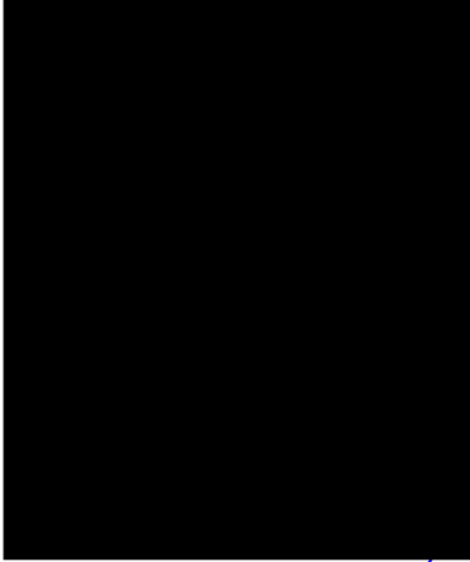








Track



5.8

5.5

5.3

6.3



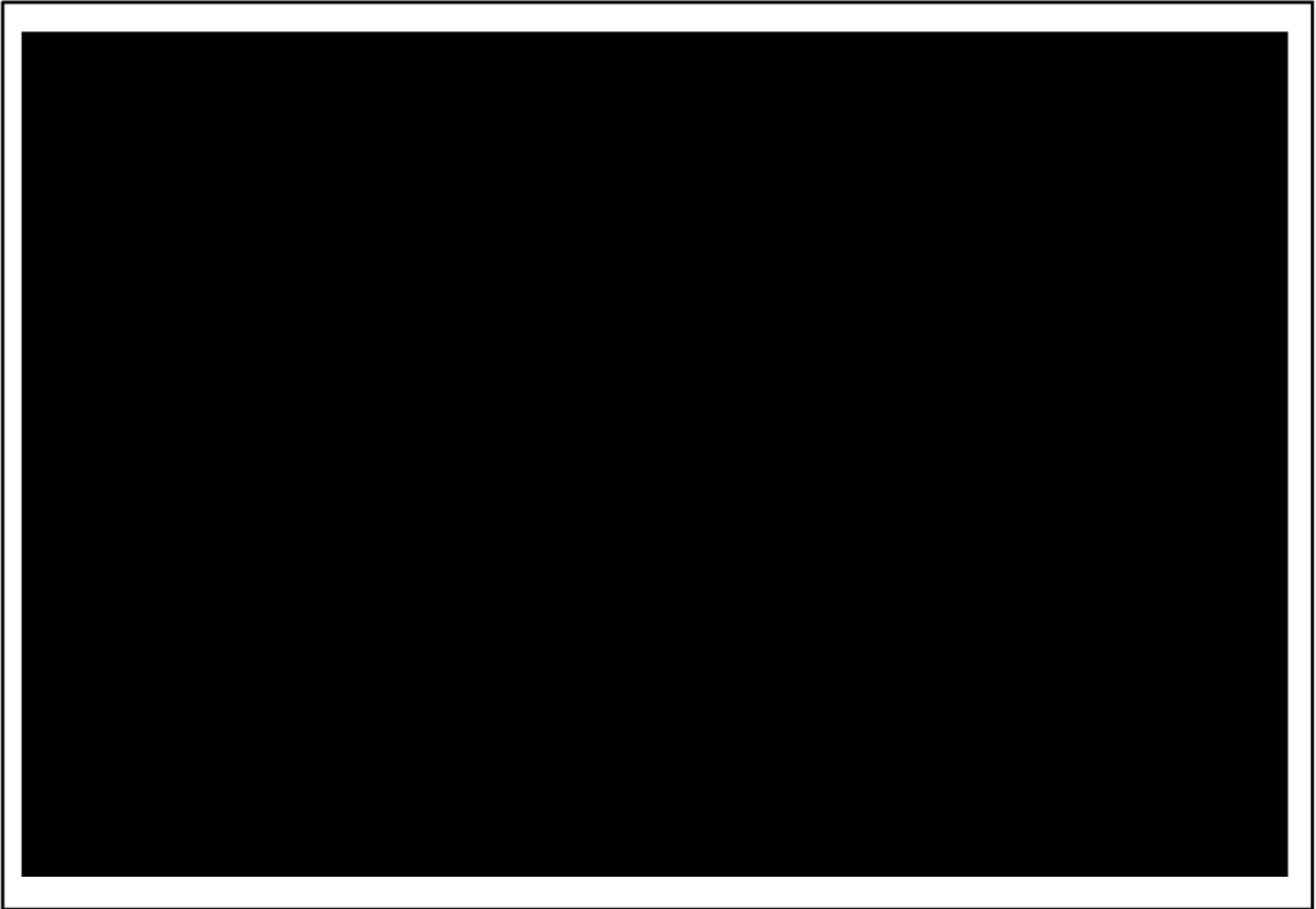
Legend

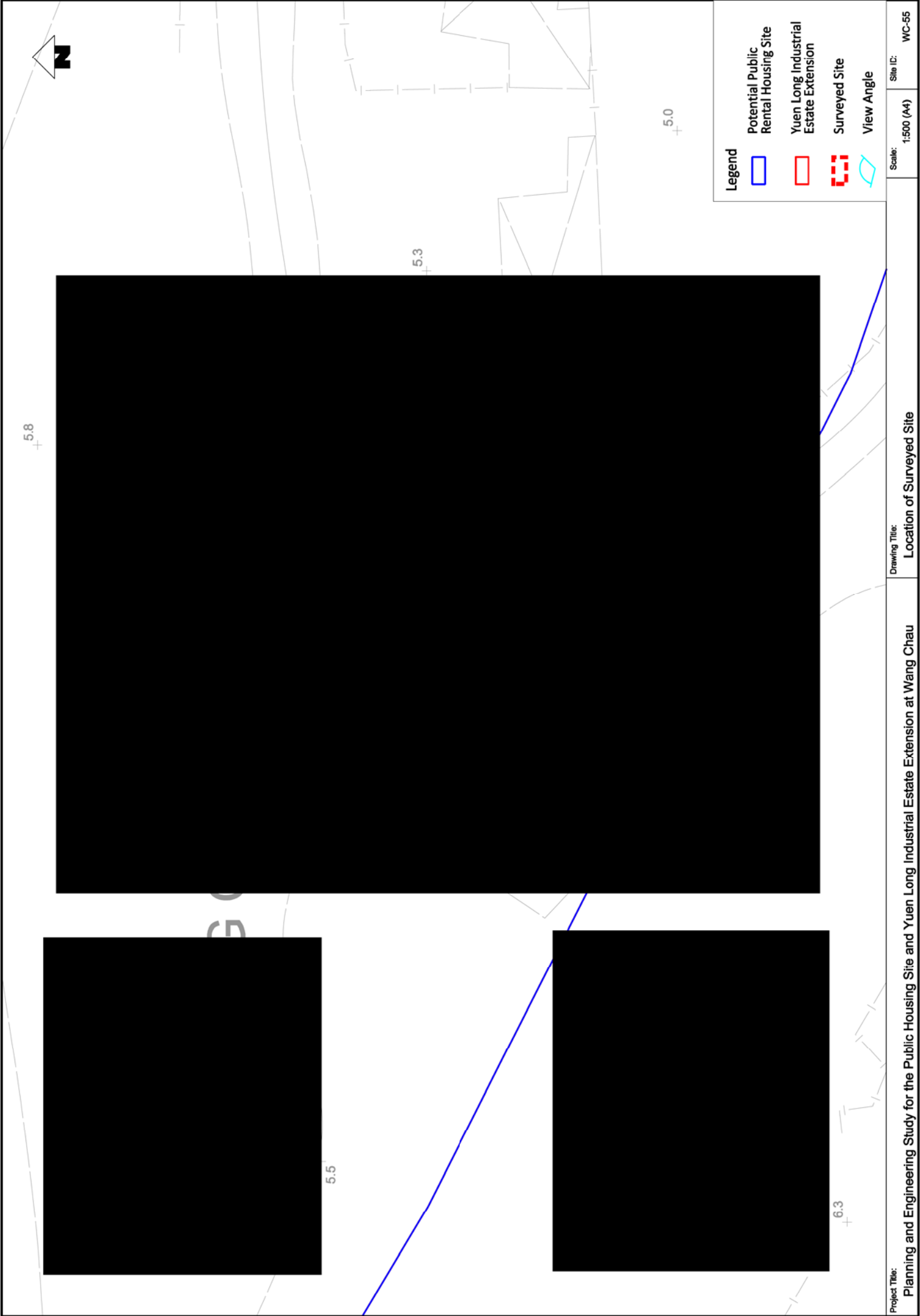
Potential Public Rental Housing Site

Yuen Long Industrial Estate Extension

Surveyed Site

View Angle





Project Title:

Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

Drawing Title:

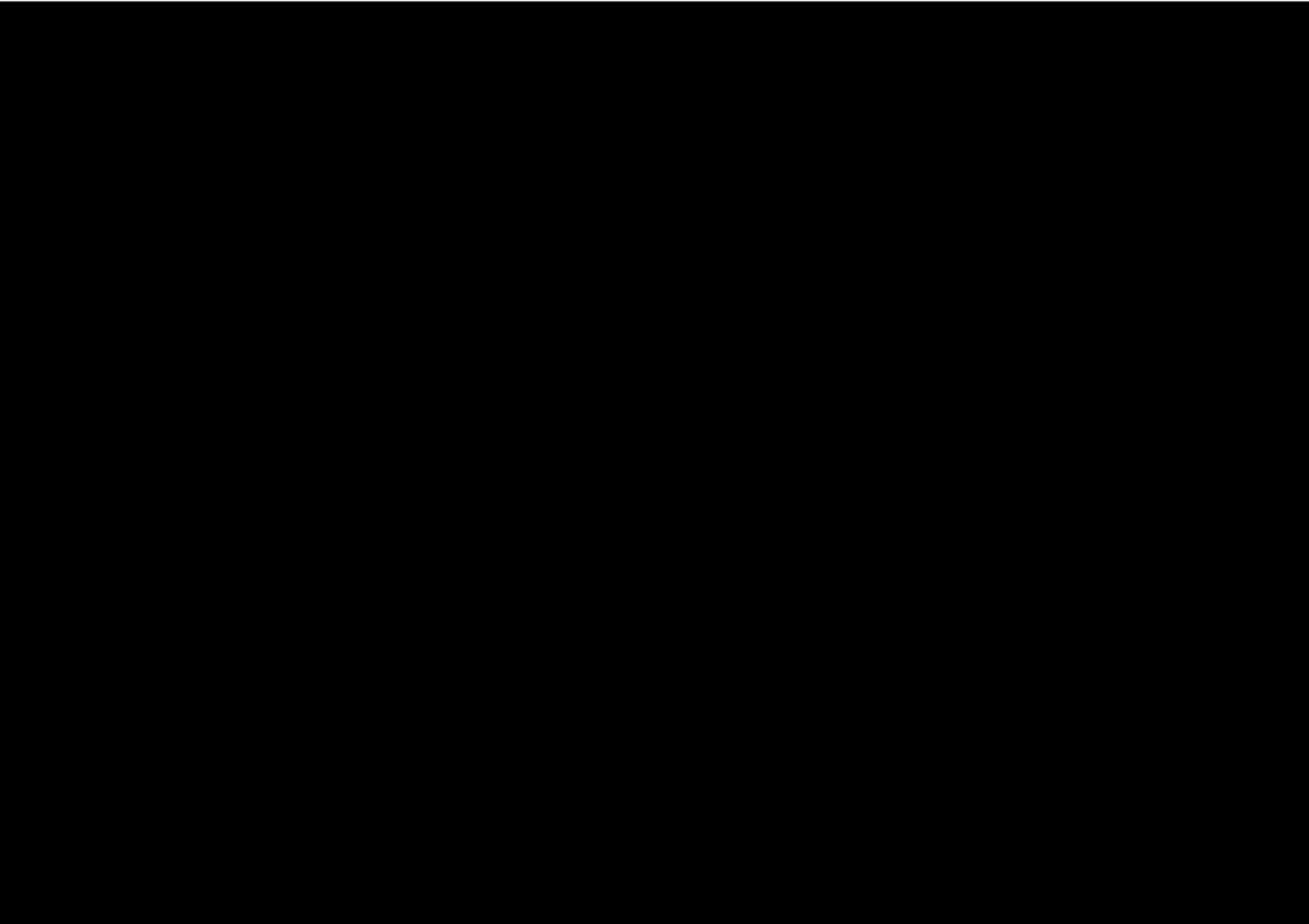
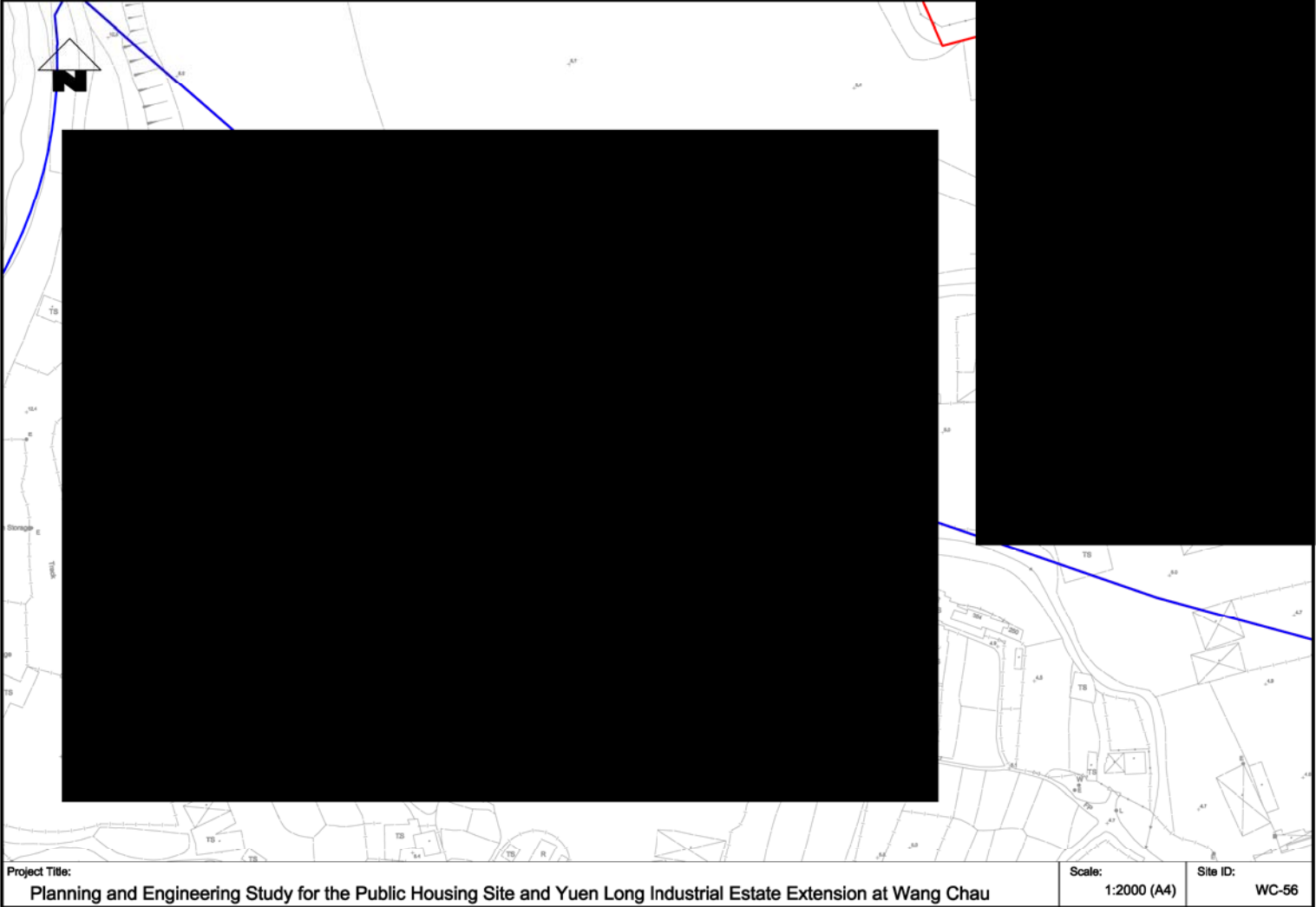
Location of Surveyed Site

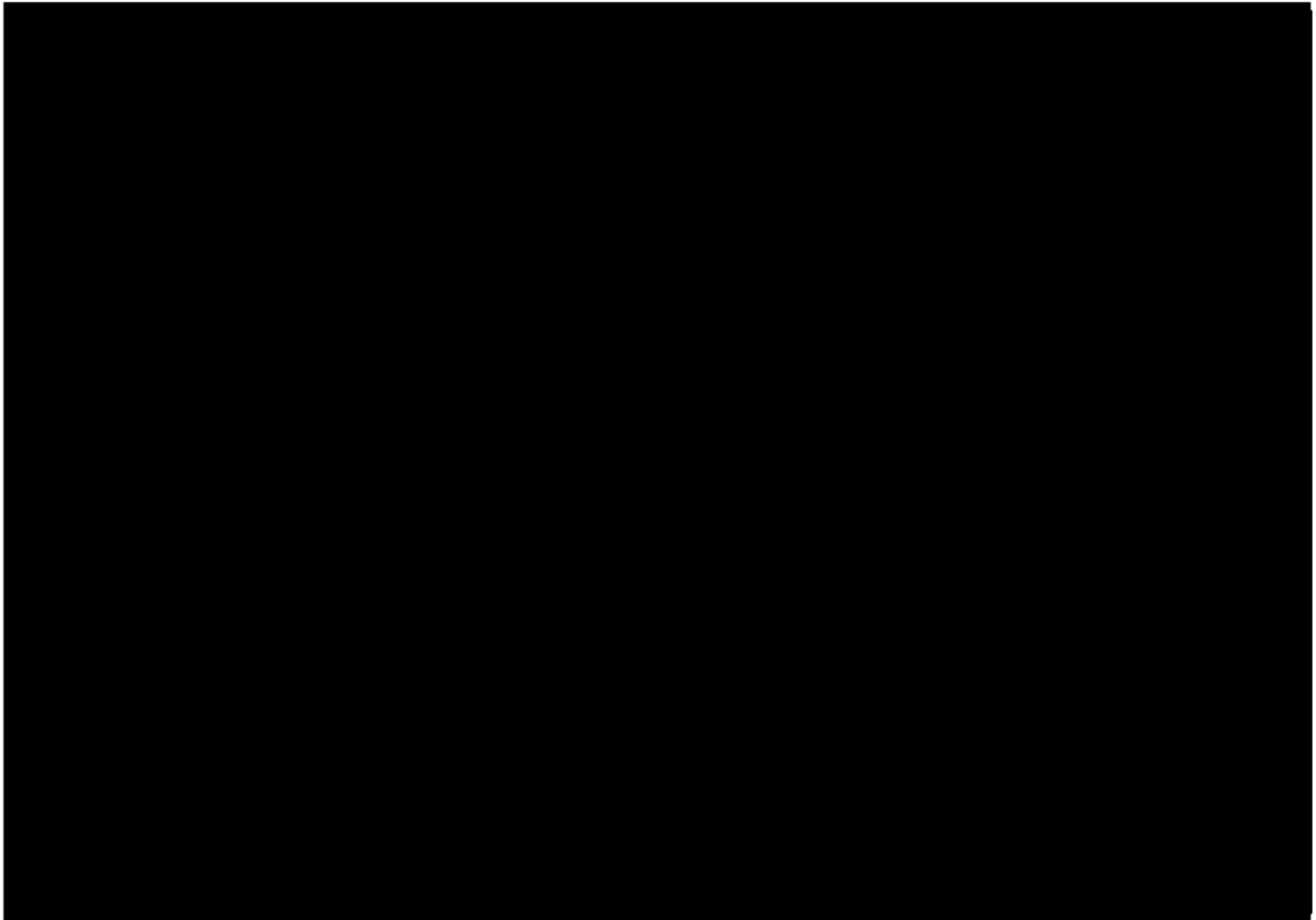
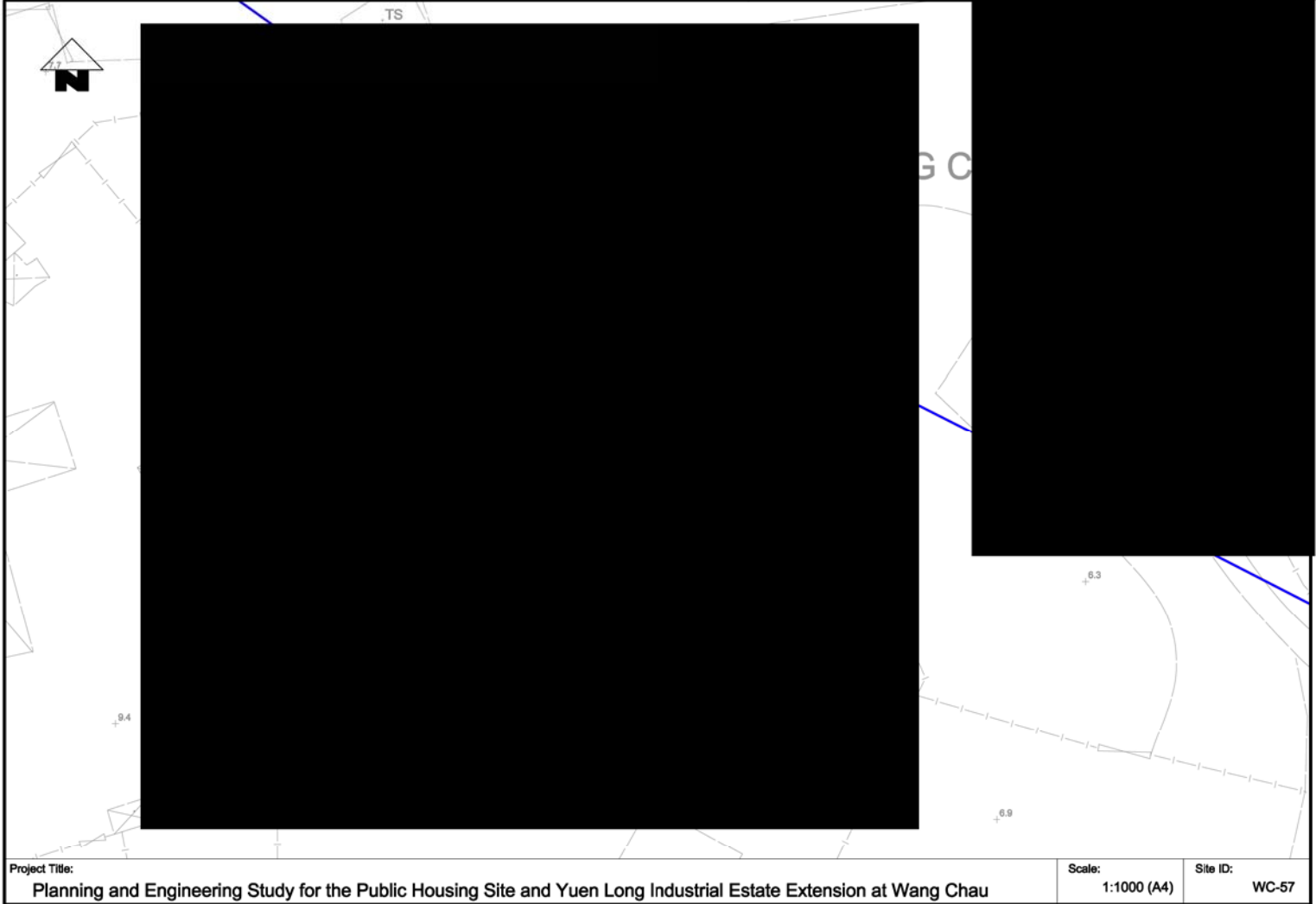
Scale:

1:500 (A4)

Site ID:

WC-55





Track

+6.2

+7.1

+5.3

TS

Open Storage

Legend

Potential Public Rental Housing Site

Yuen Long Industrial Estate Extension

Surveyed Site

View Angle

Project Title:

Planning and Engineering Study for the Public Housing Site and Yuen Long Industrial Estate Extension at Wang Chau

Drawing Title:

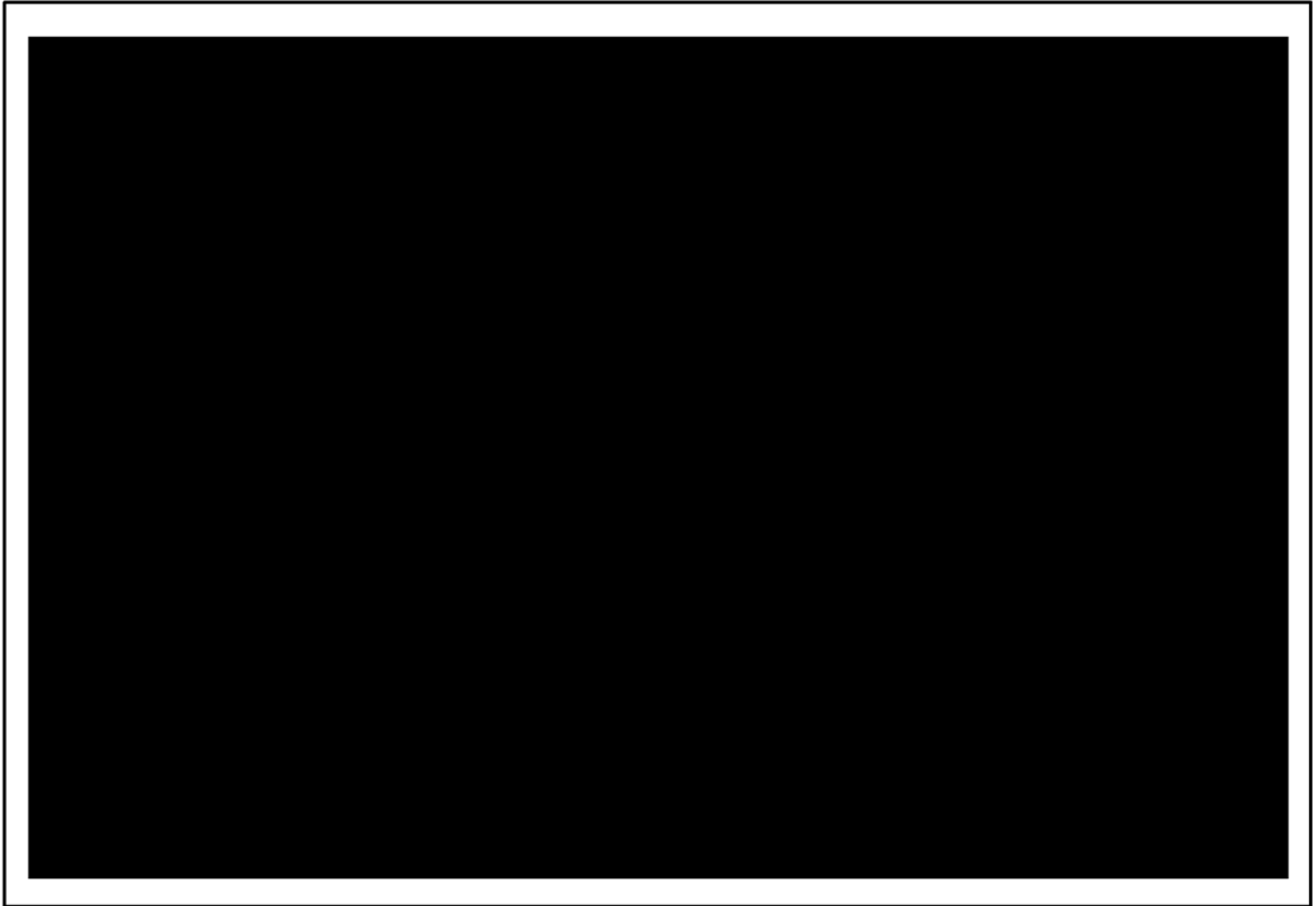
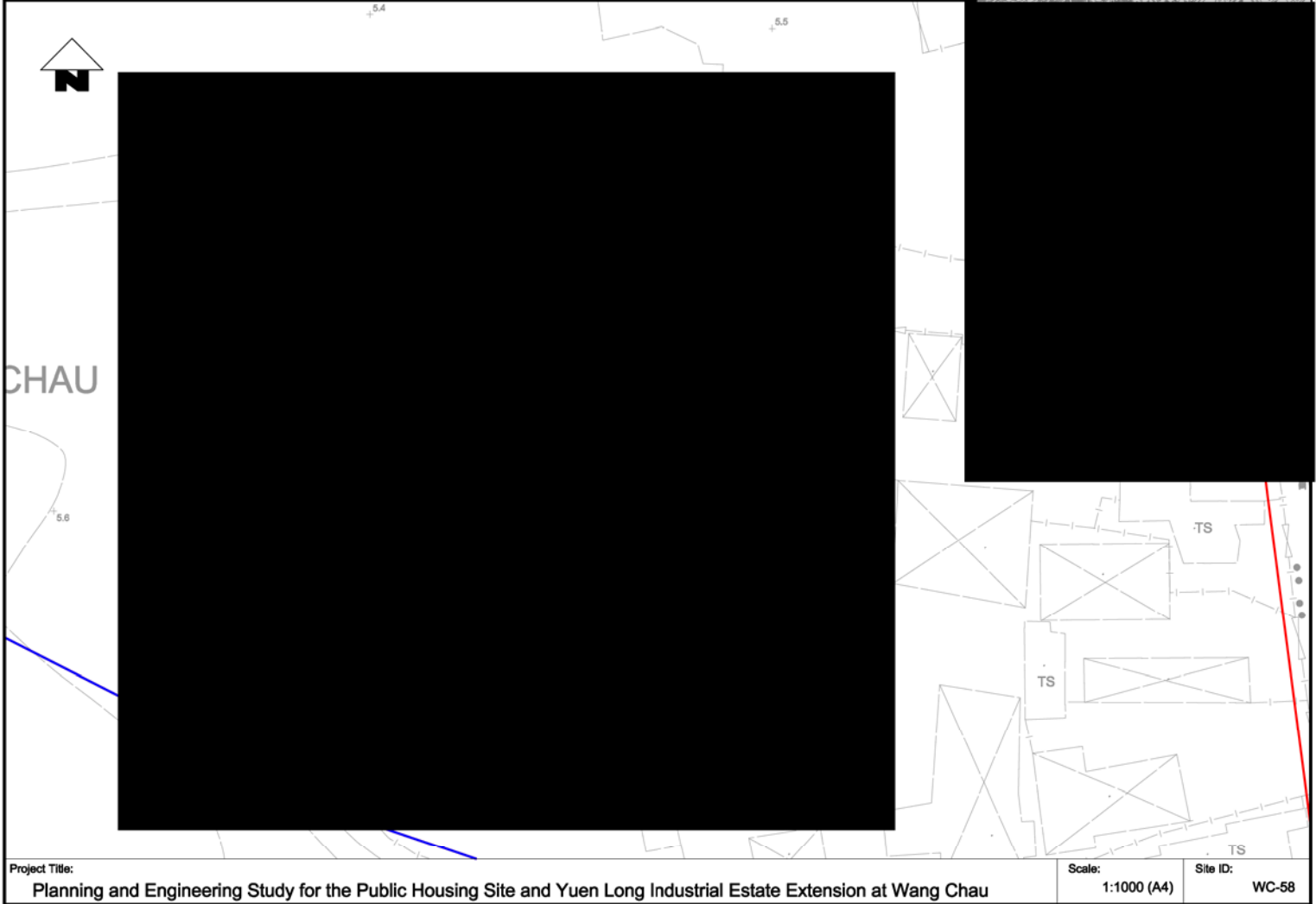
Location of Surveyed Site

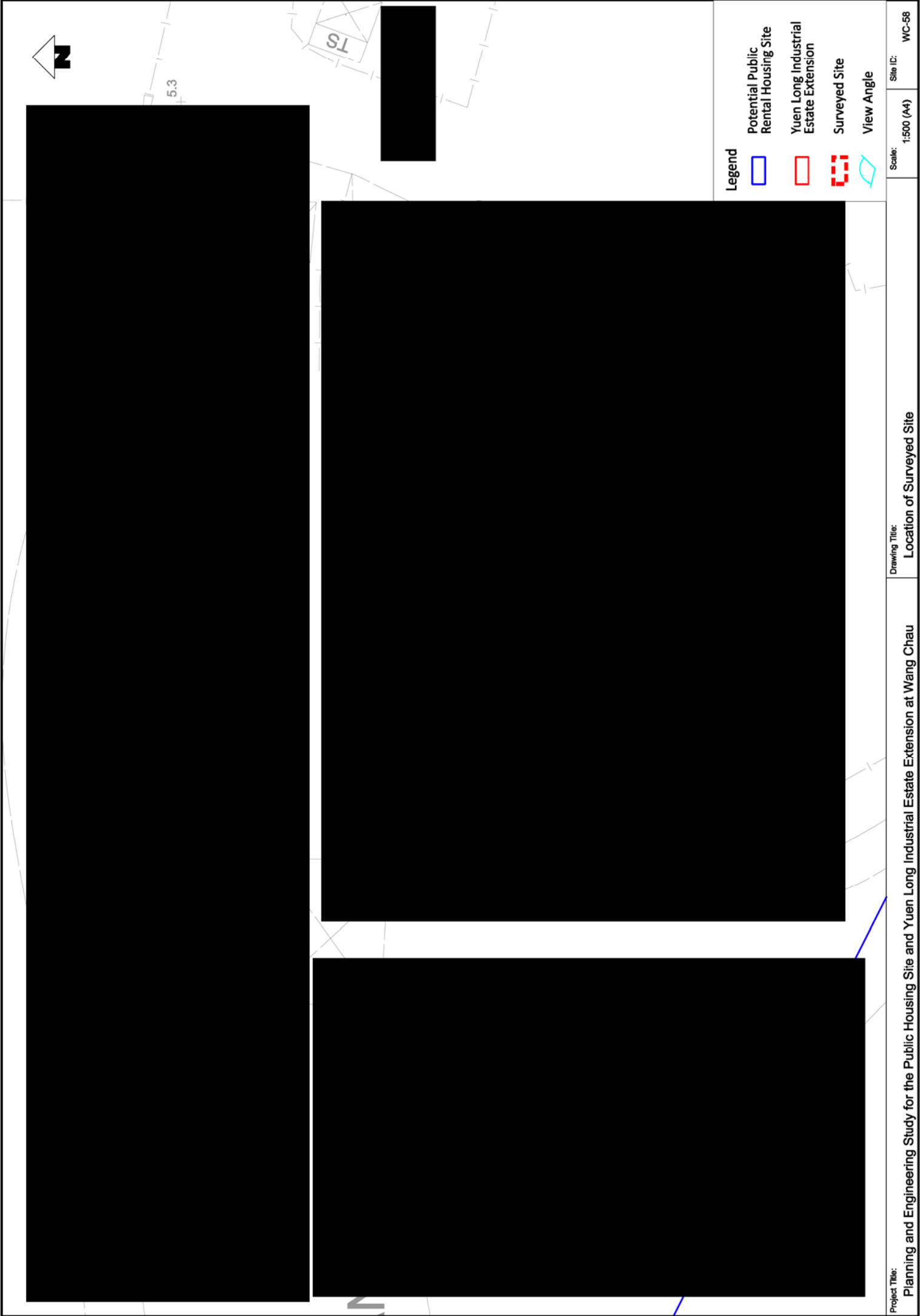
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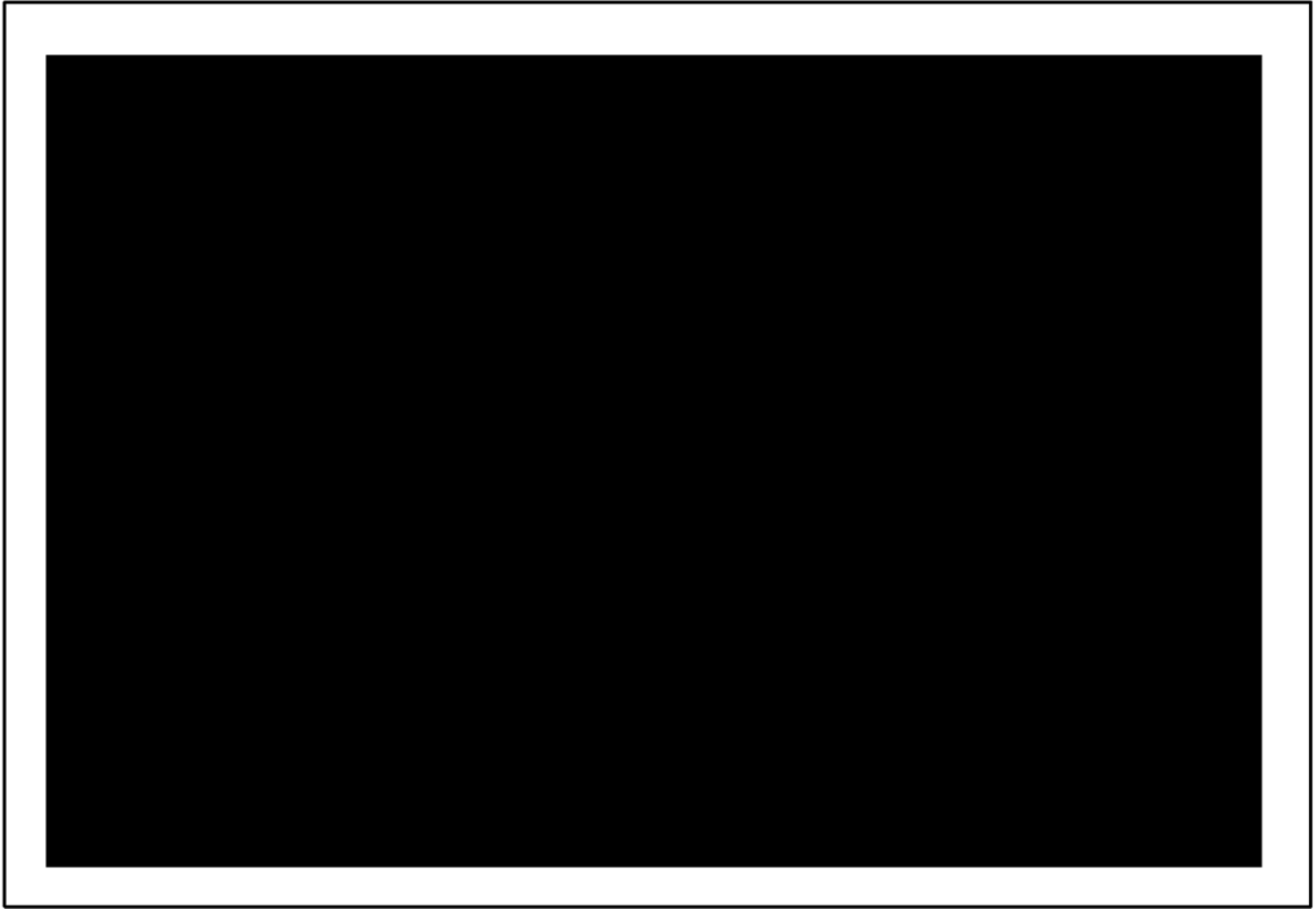
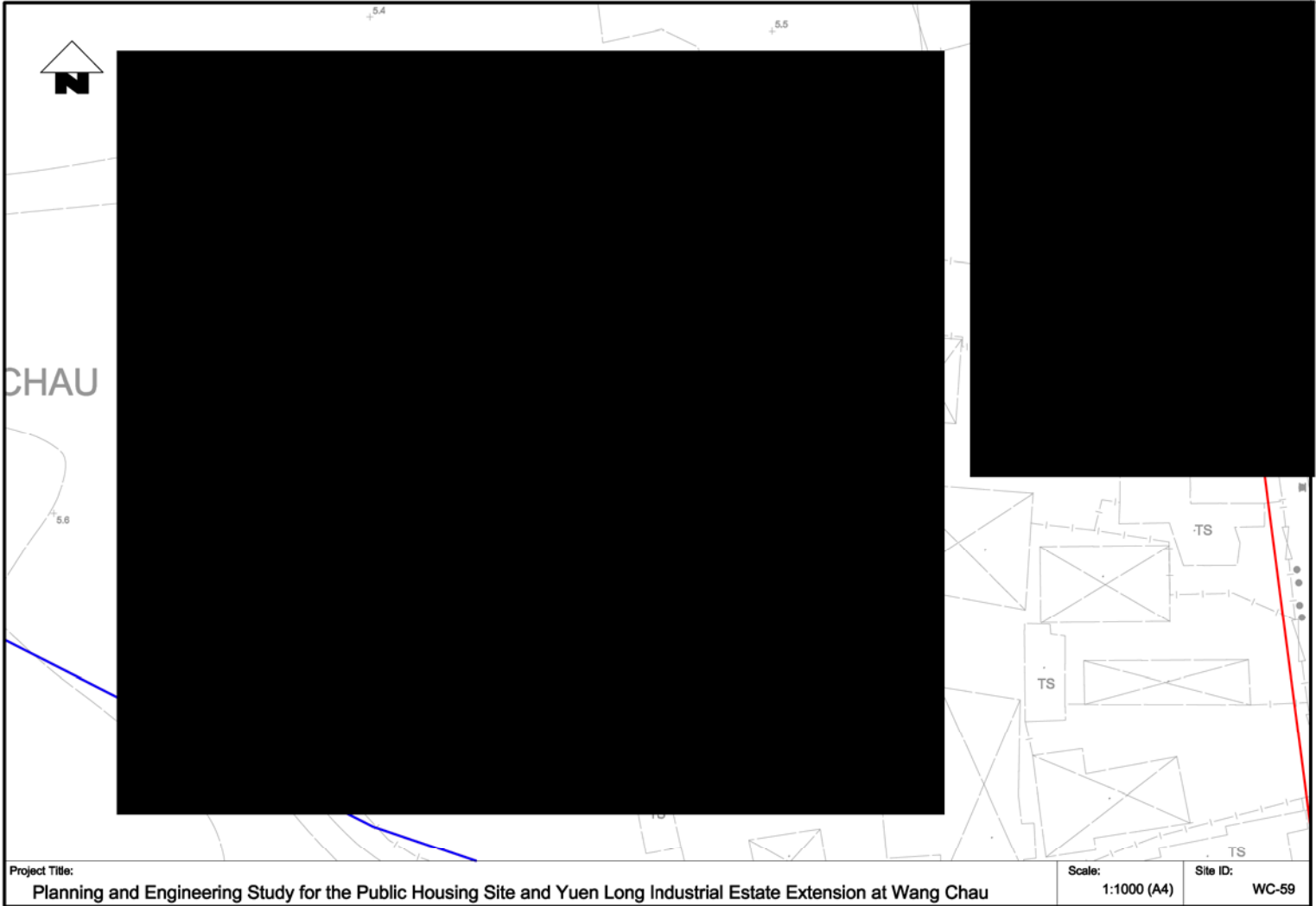
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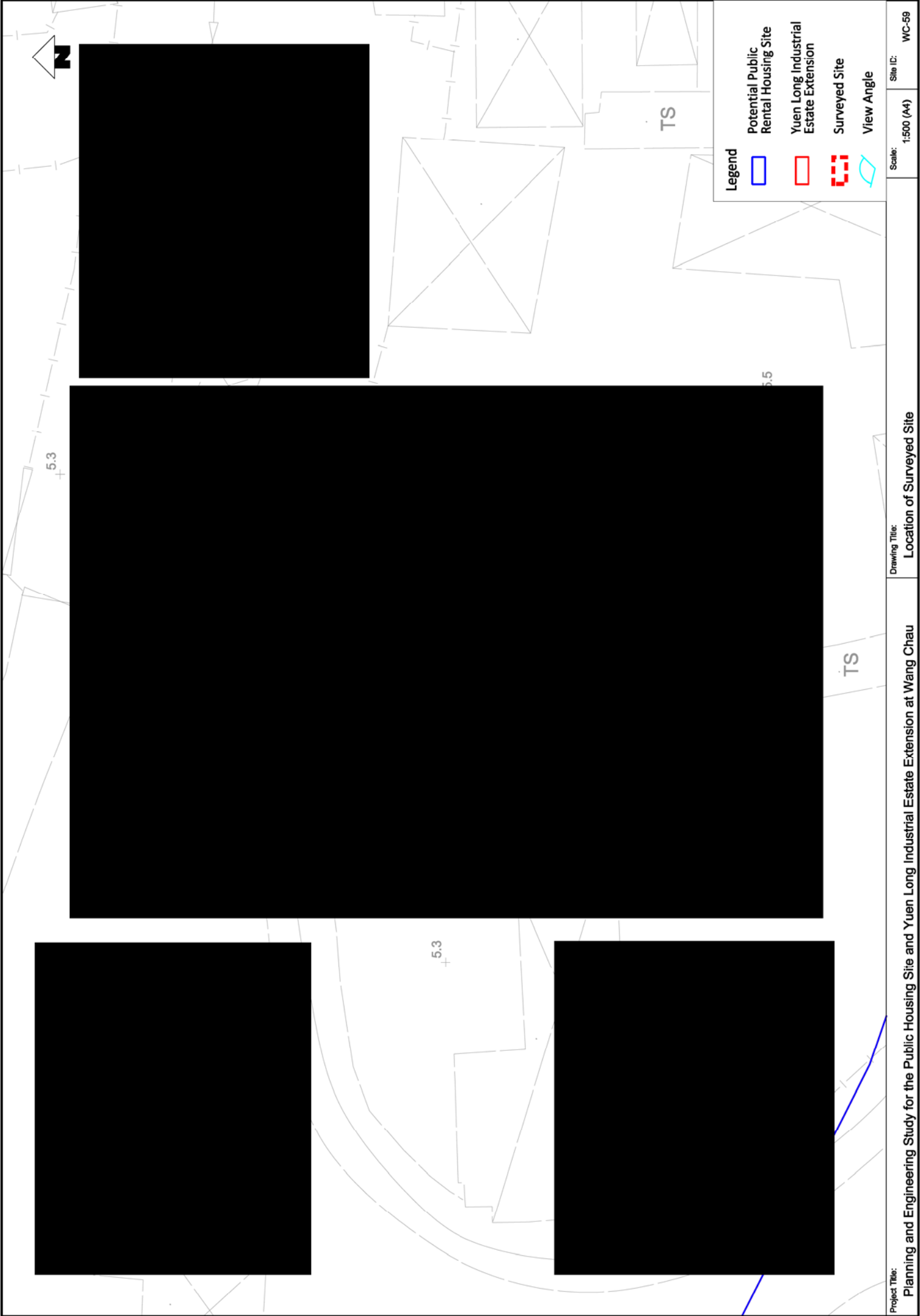
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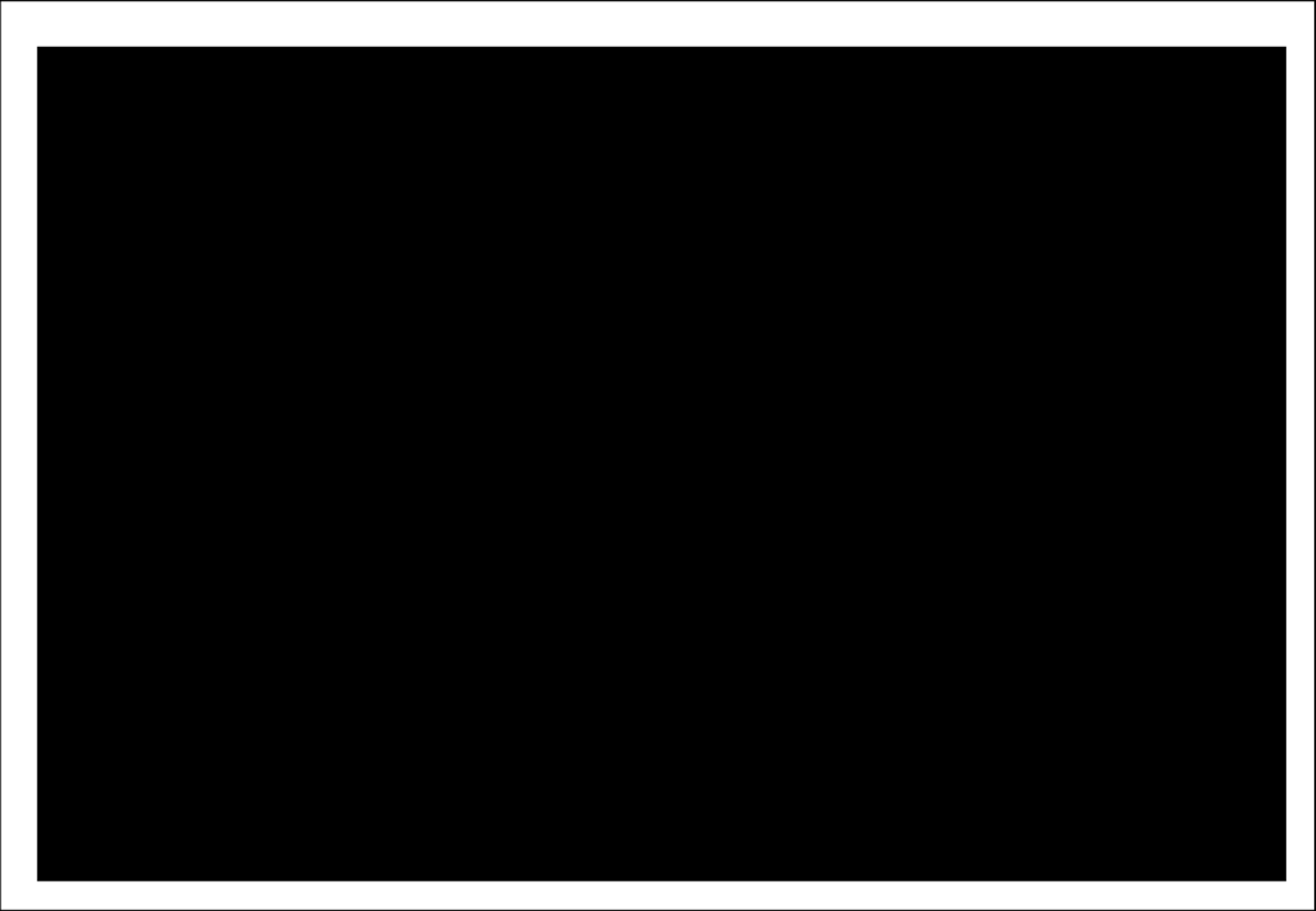
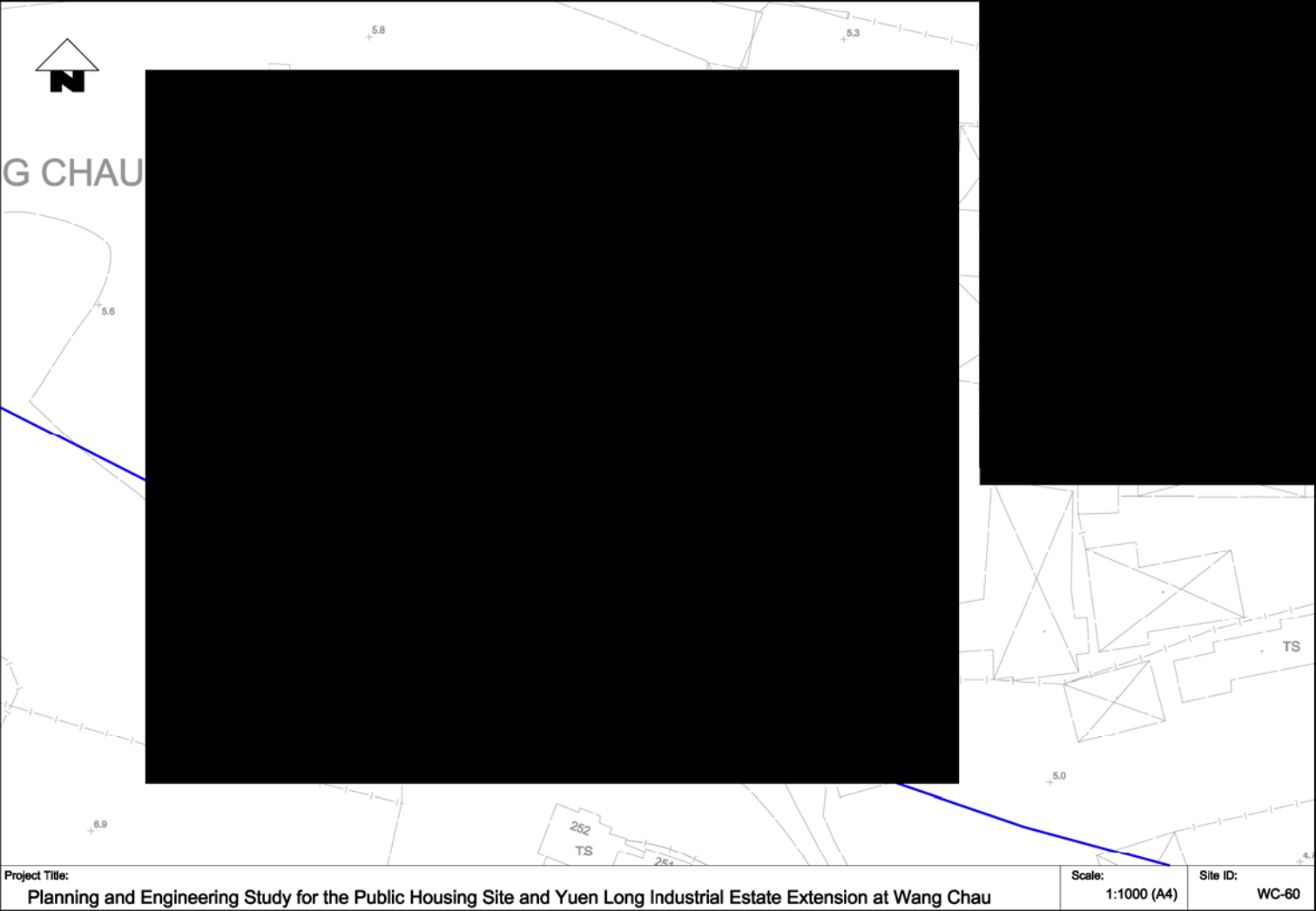
WC-57

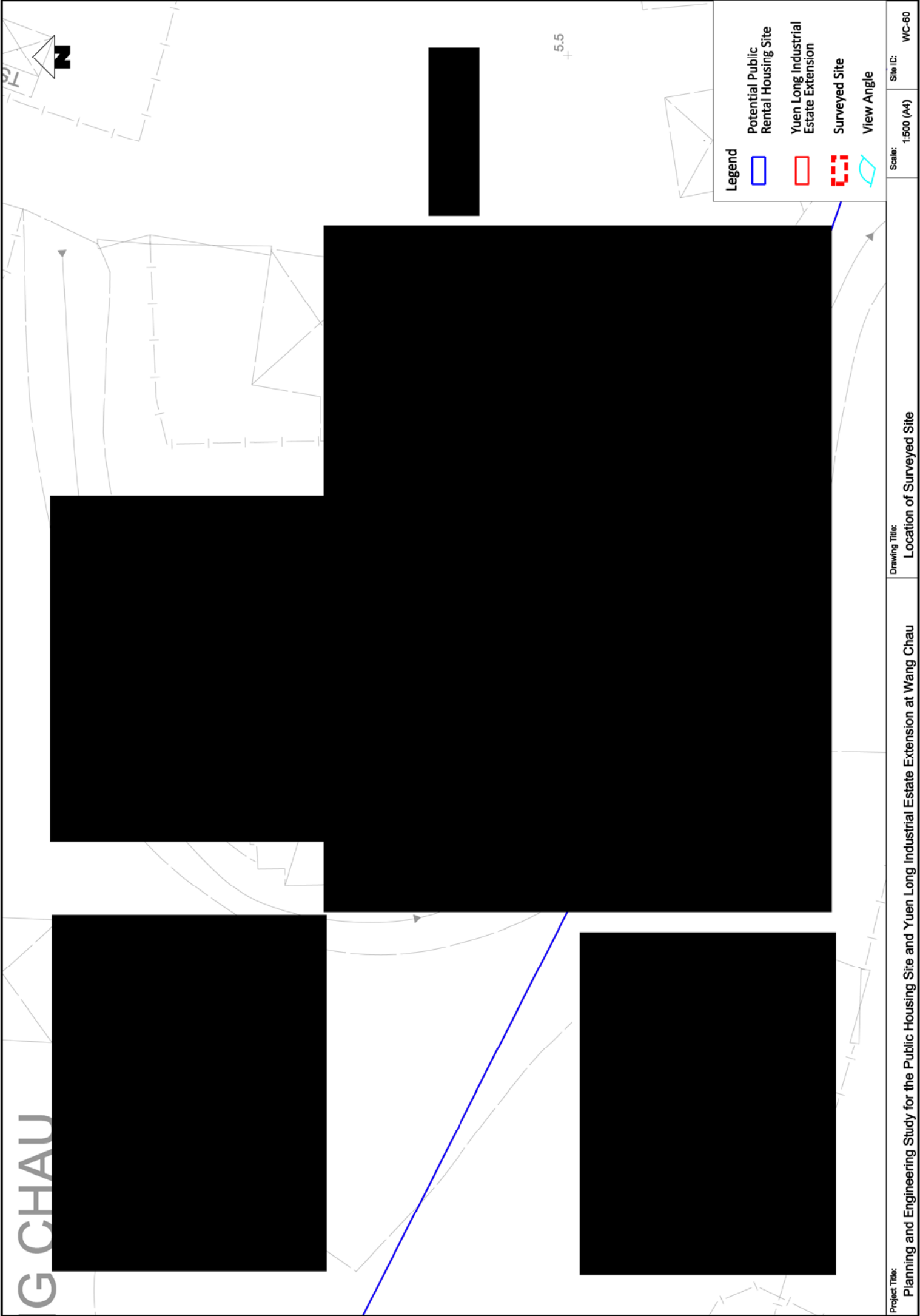


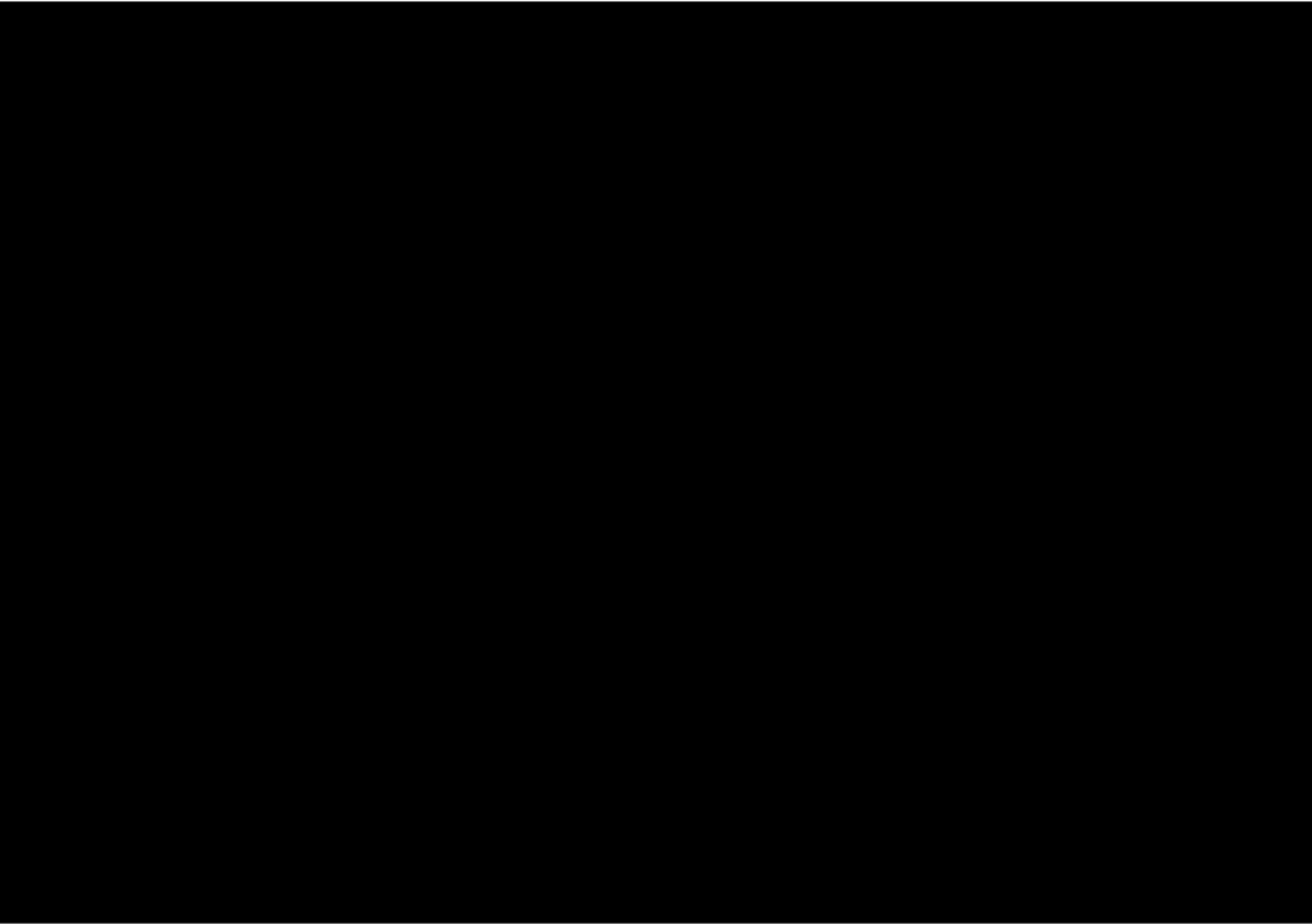
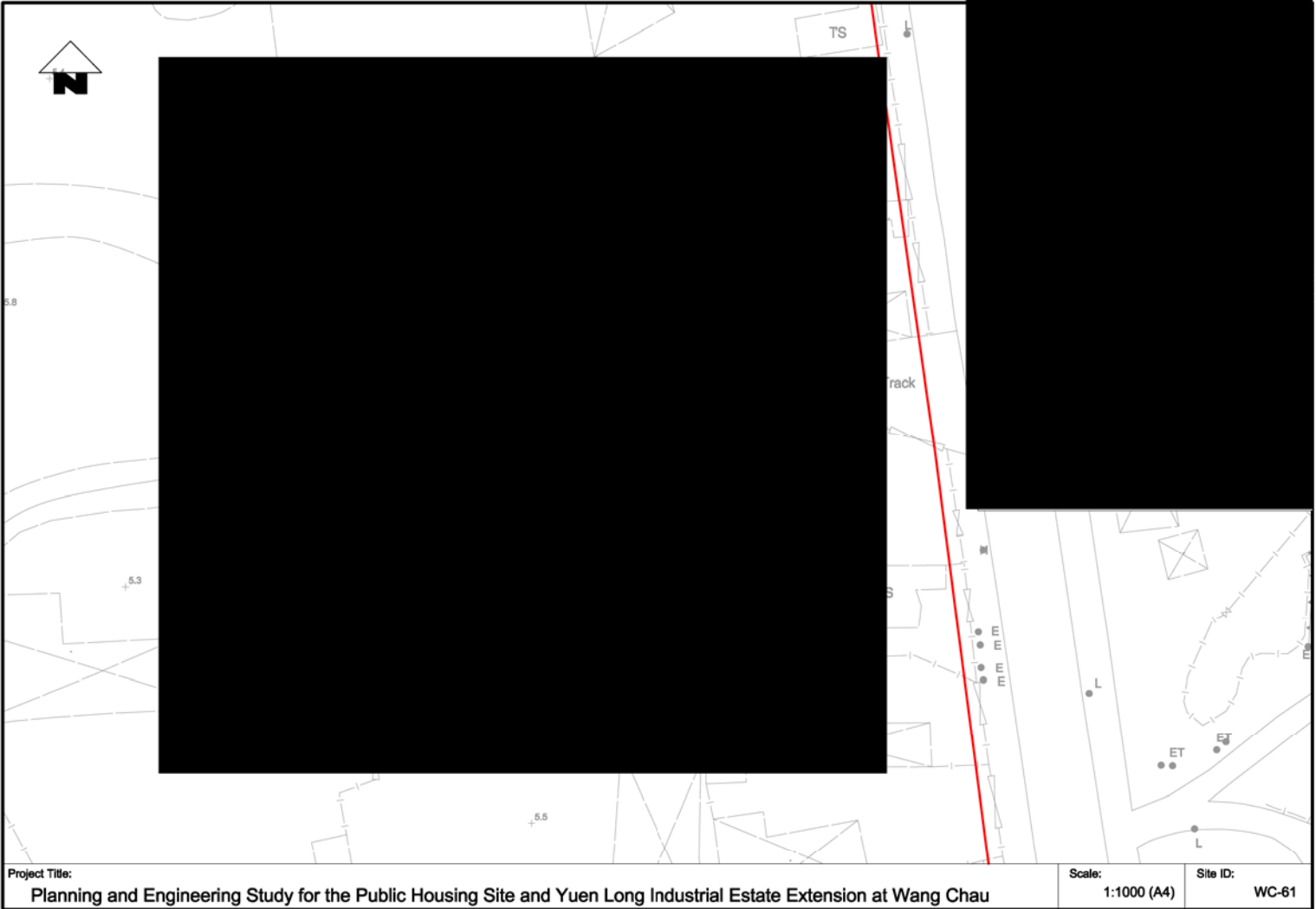


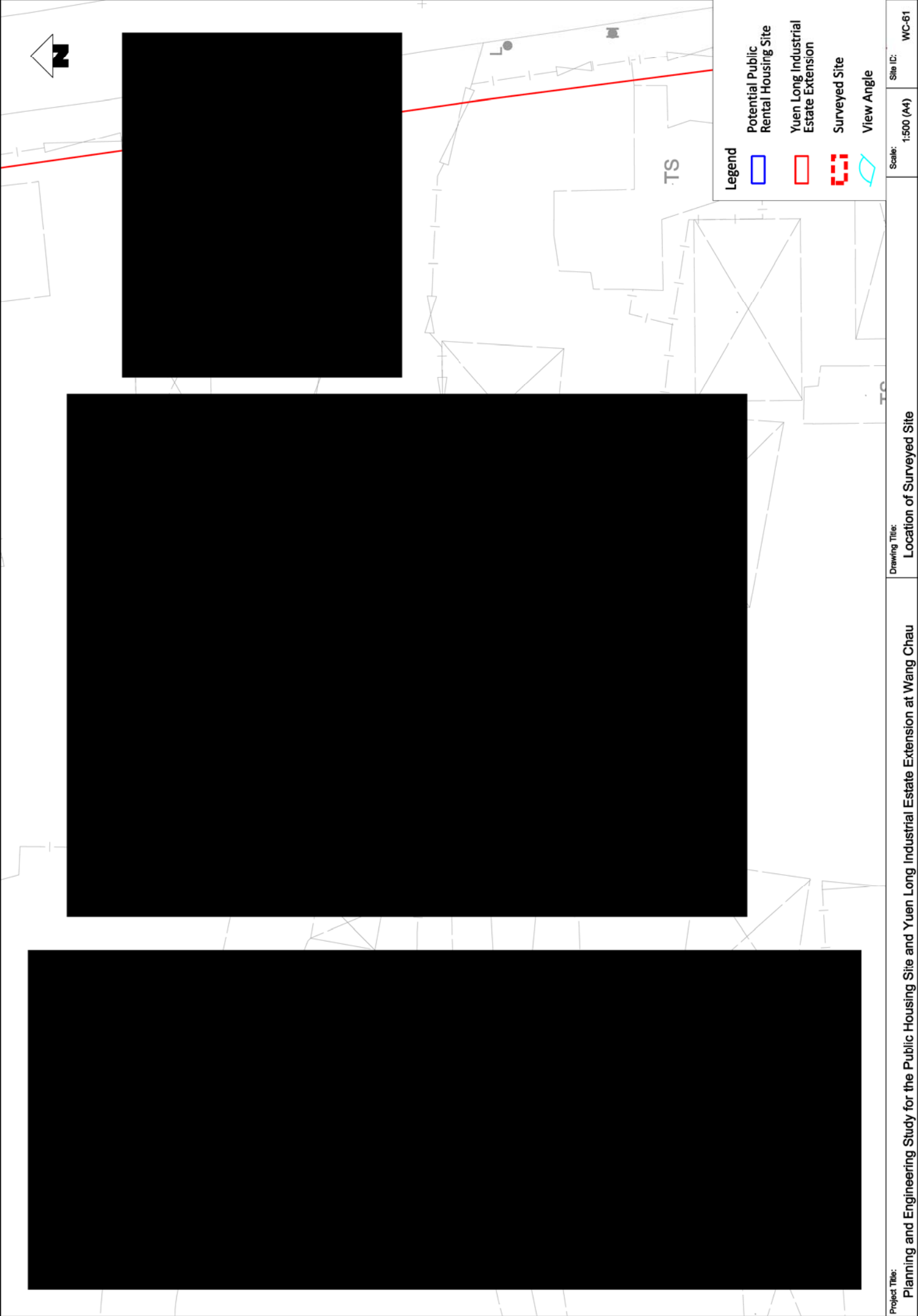


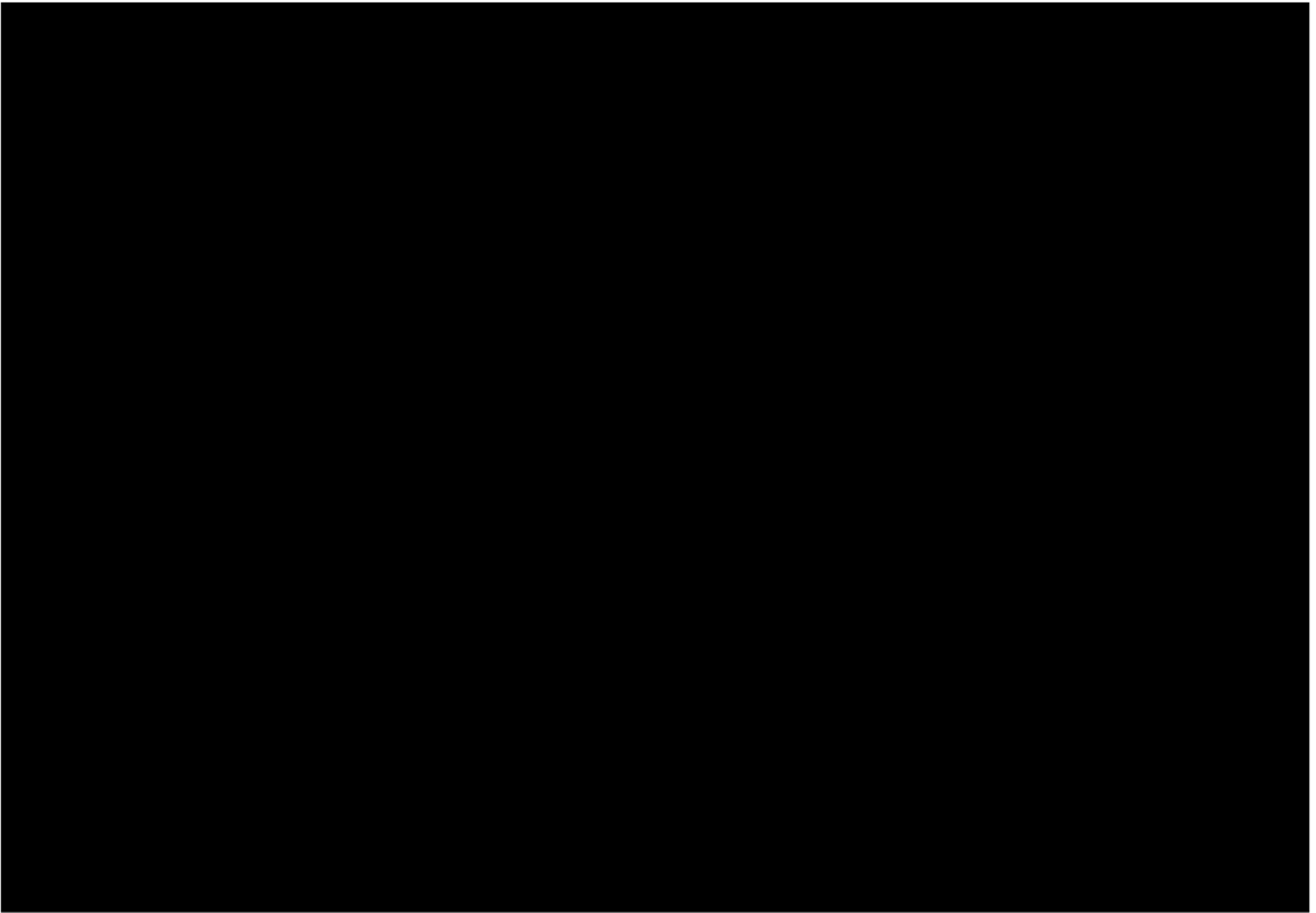
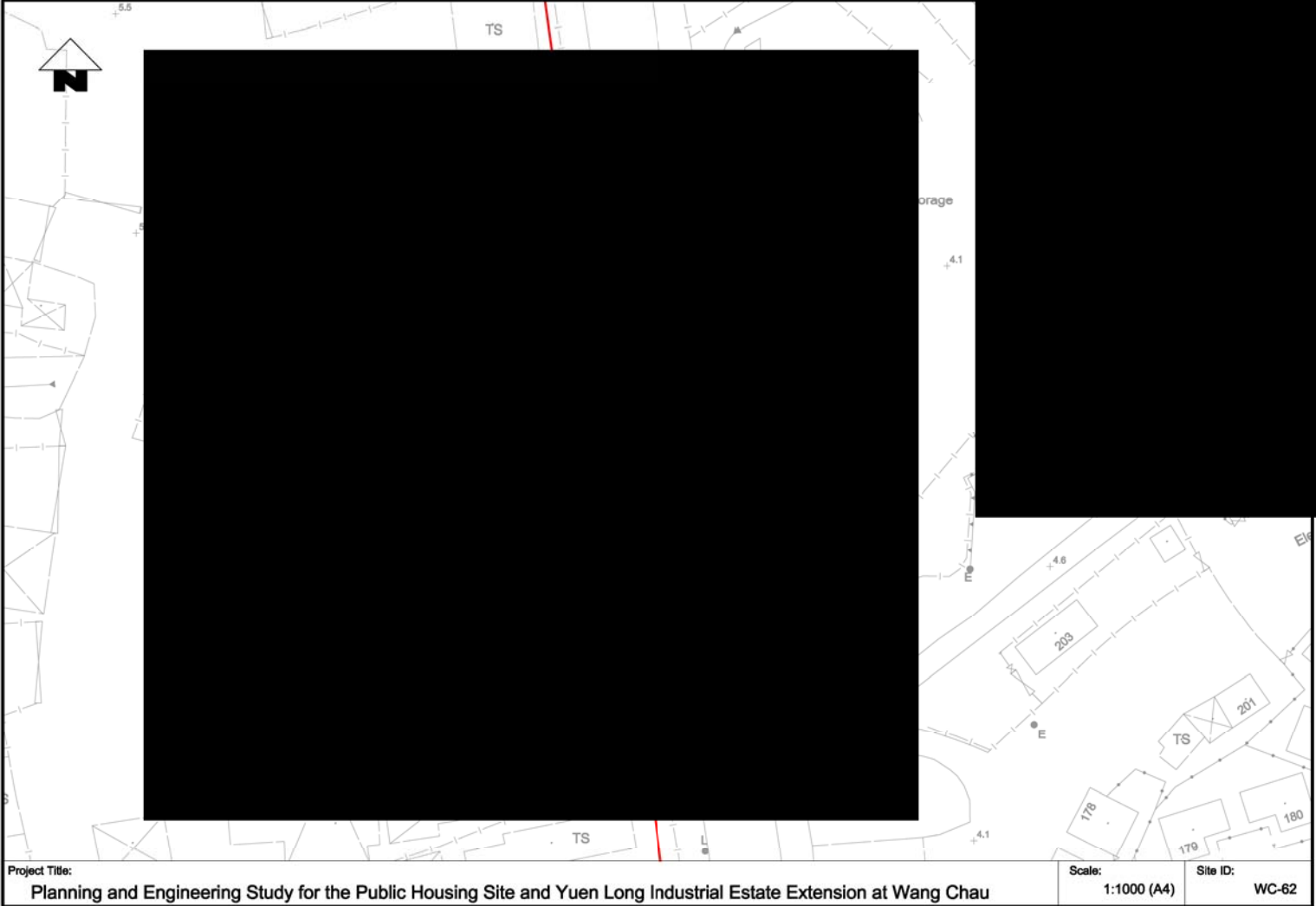


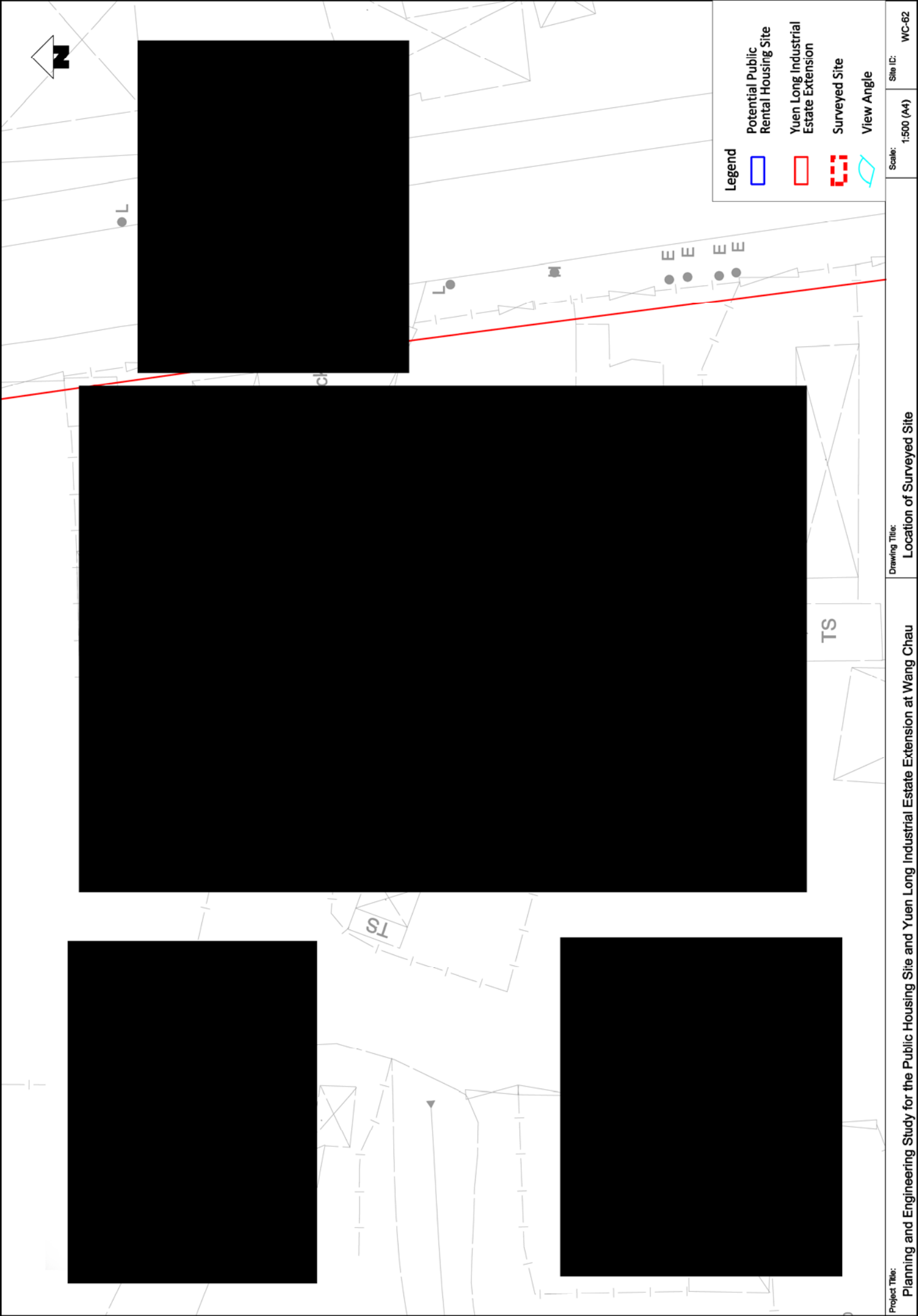


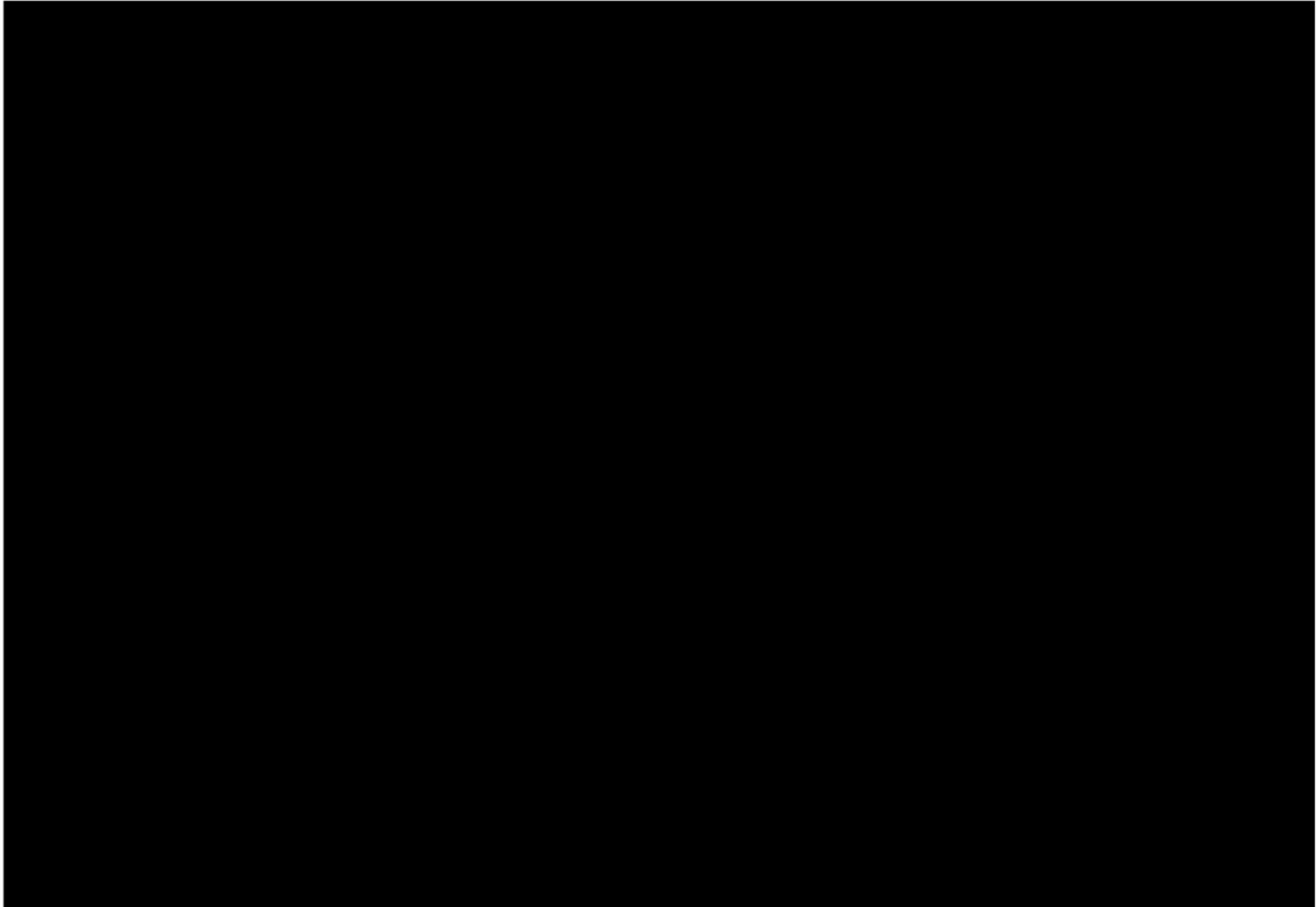
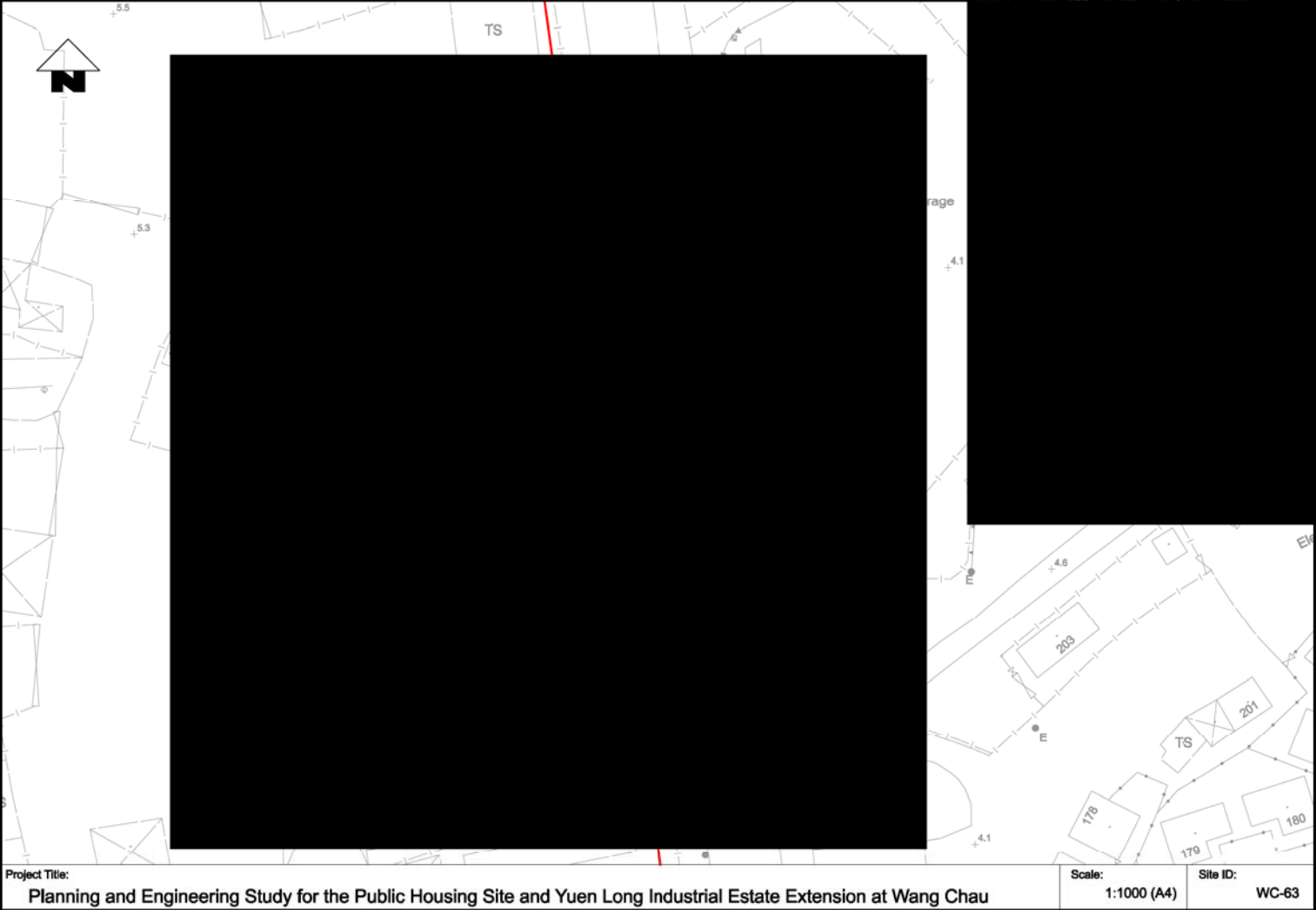


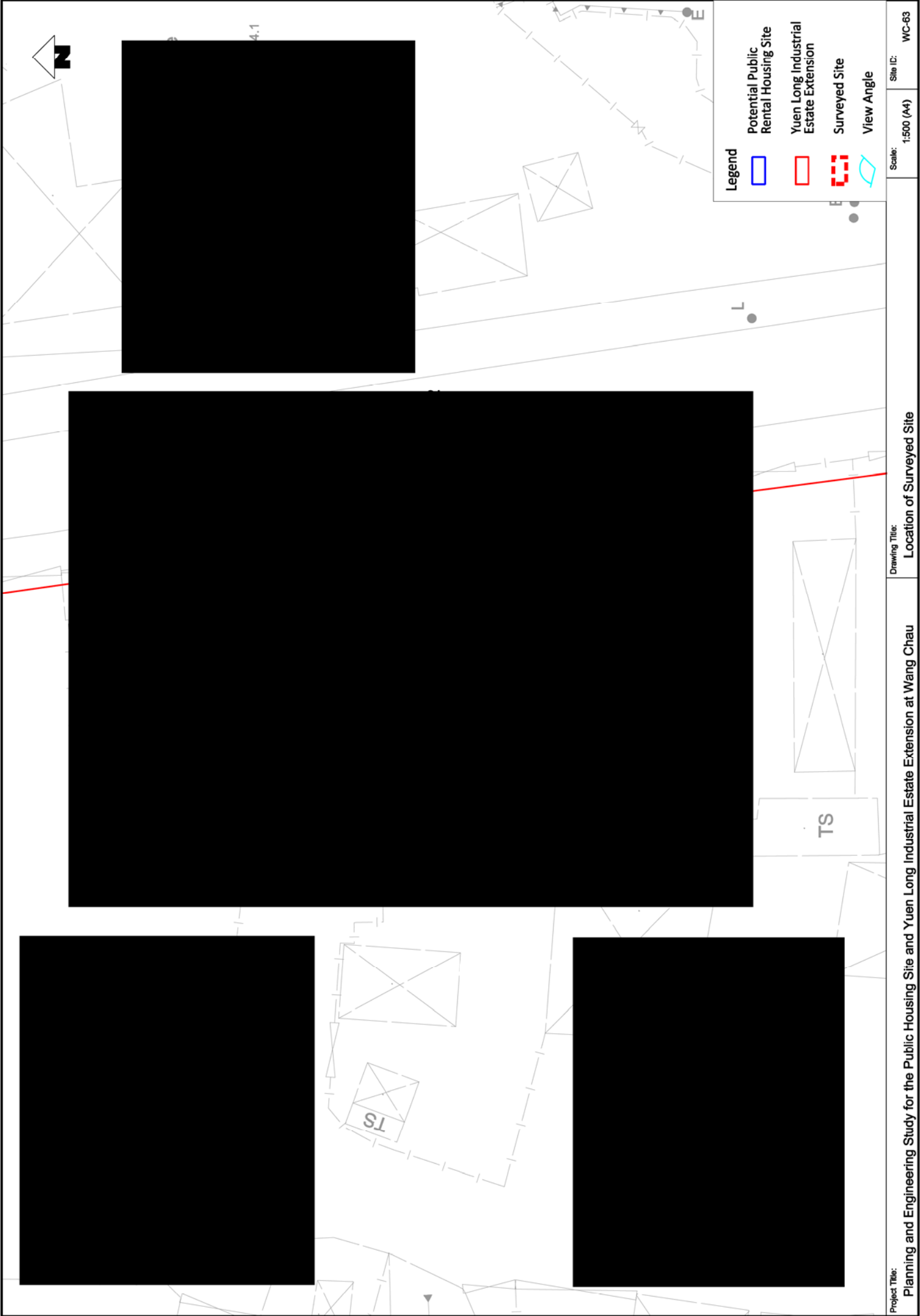


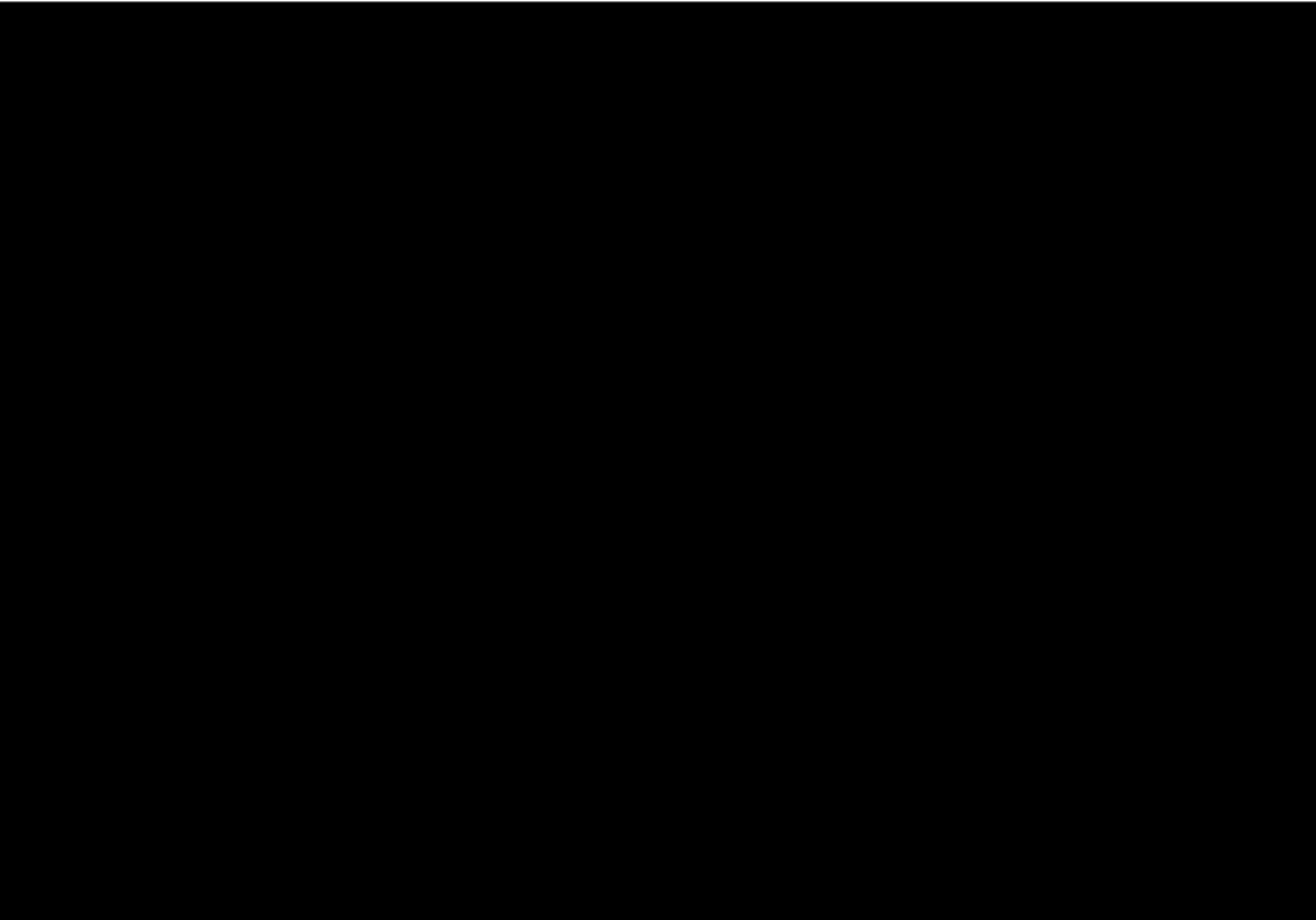


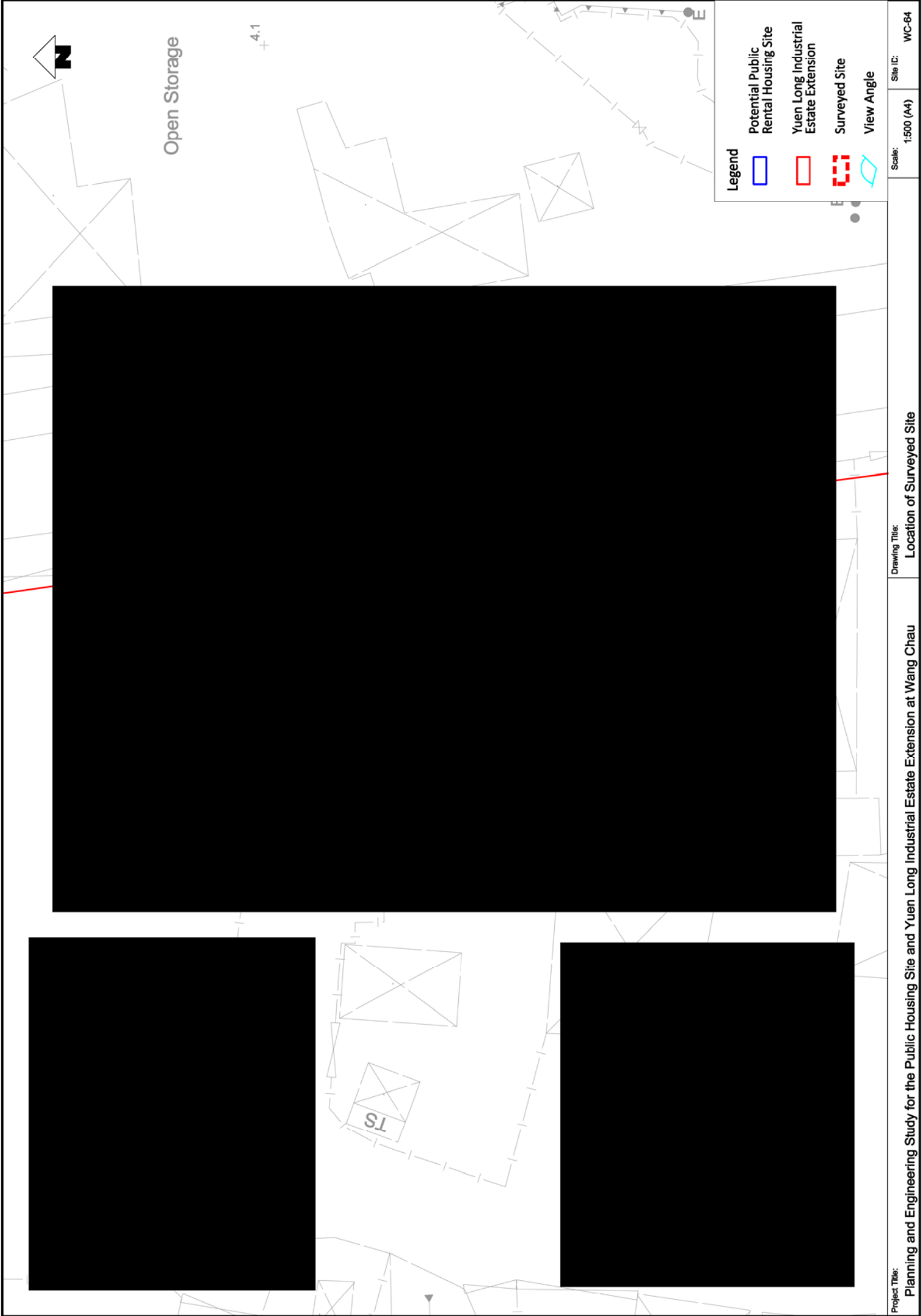


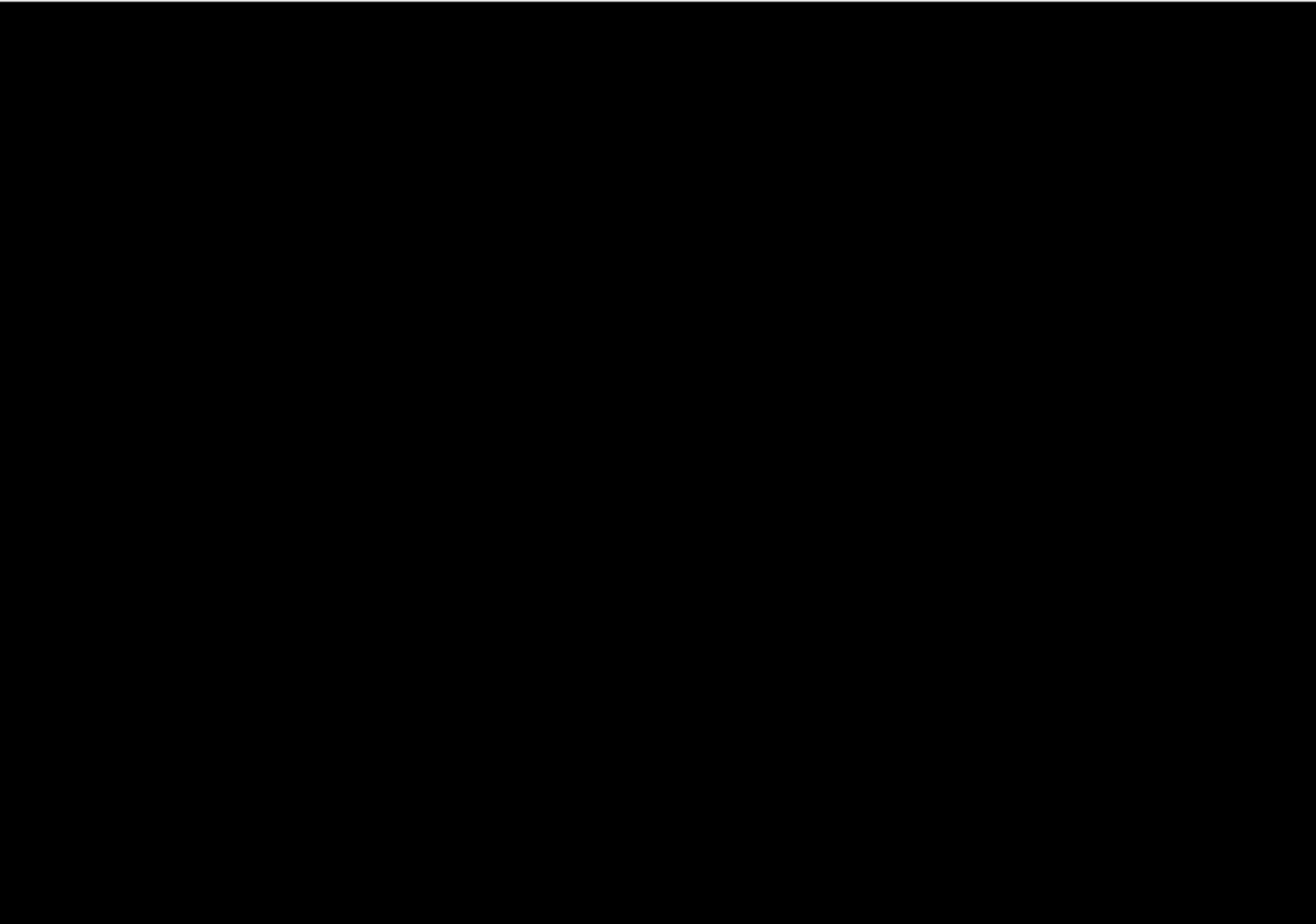
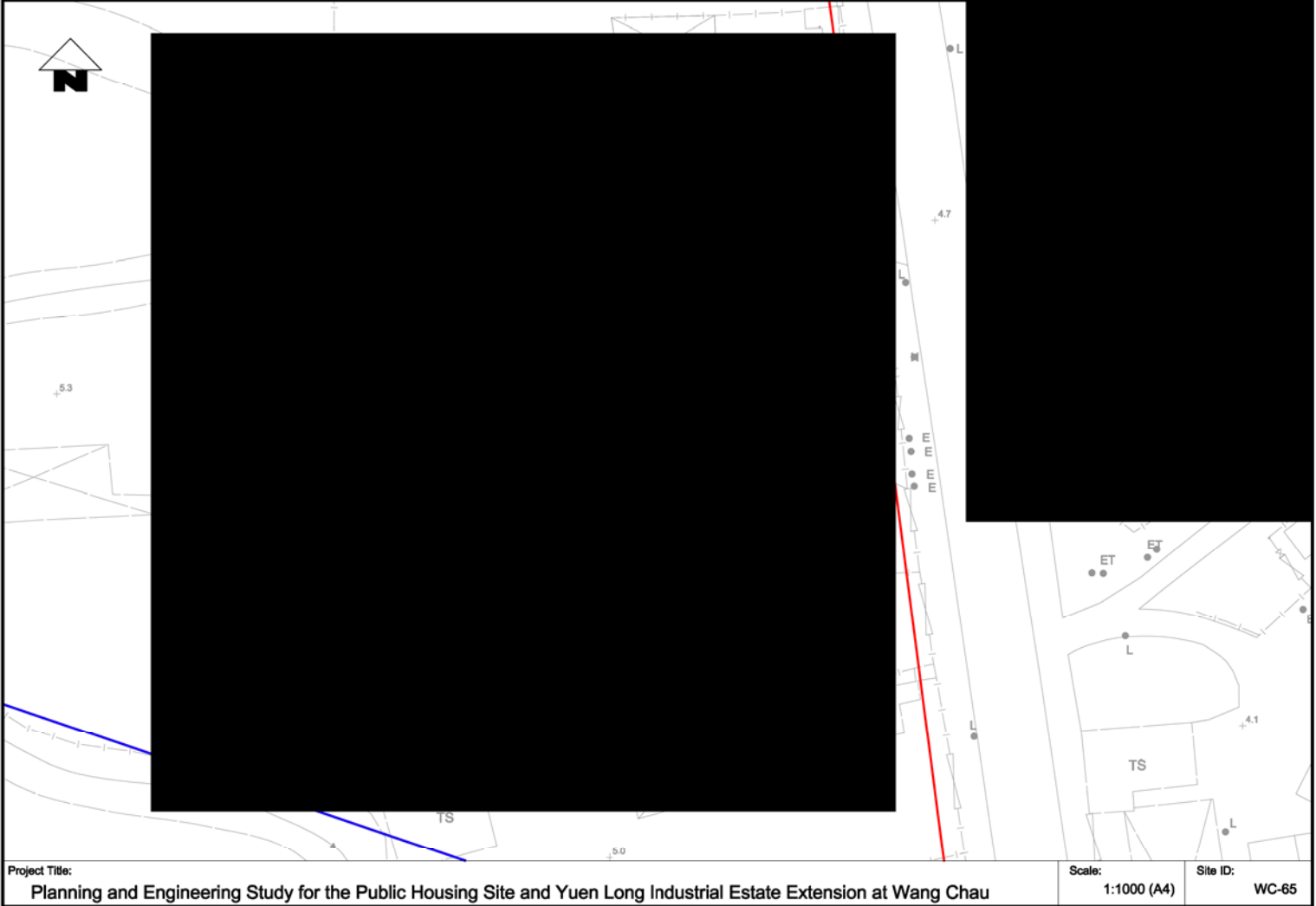


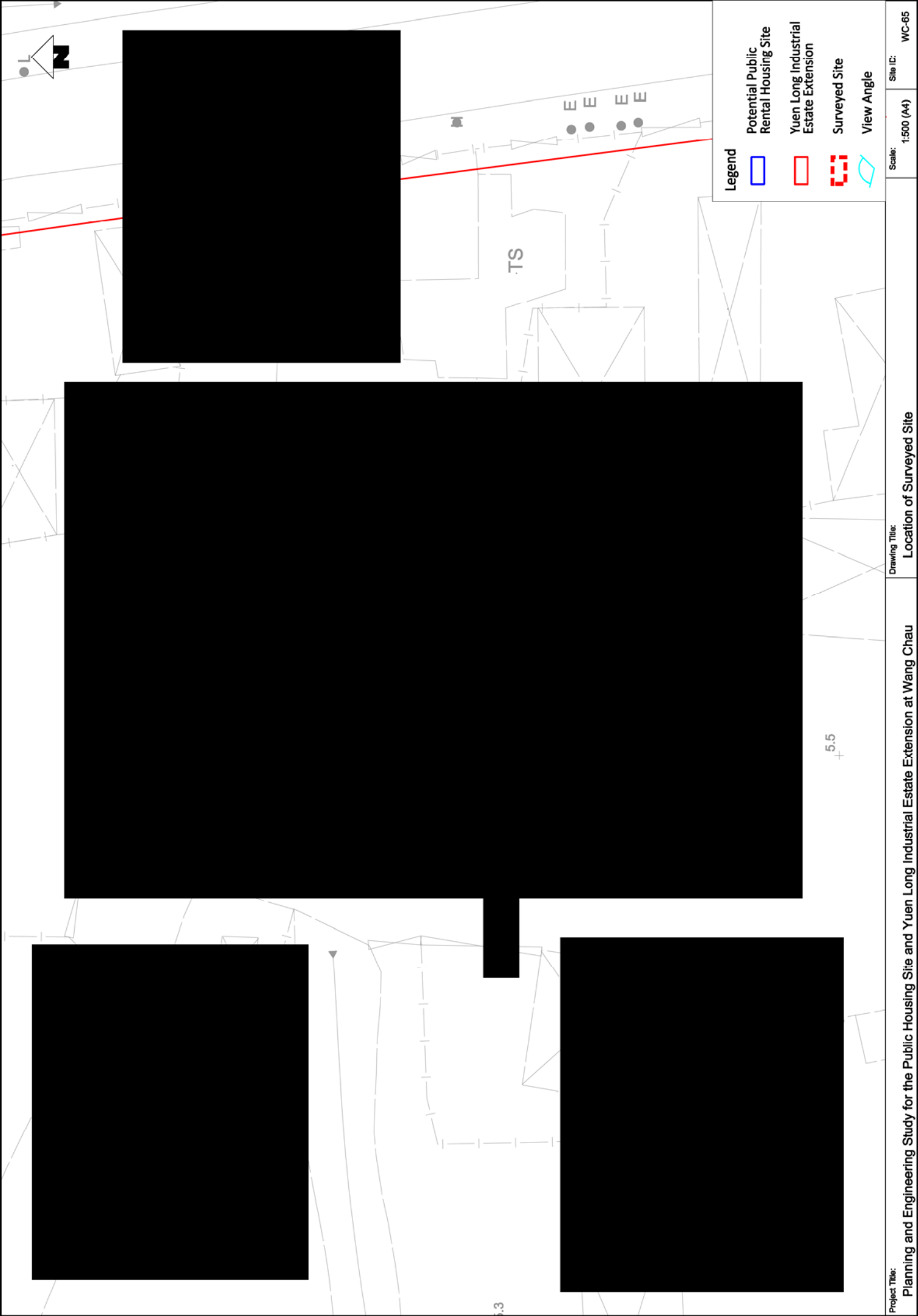


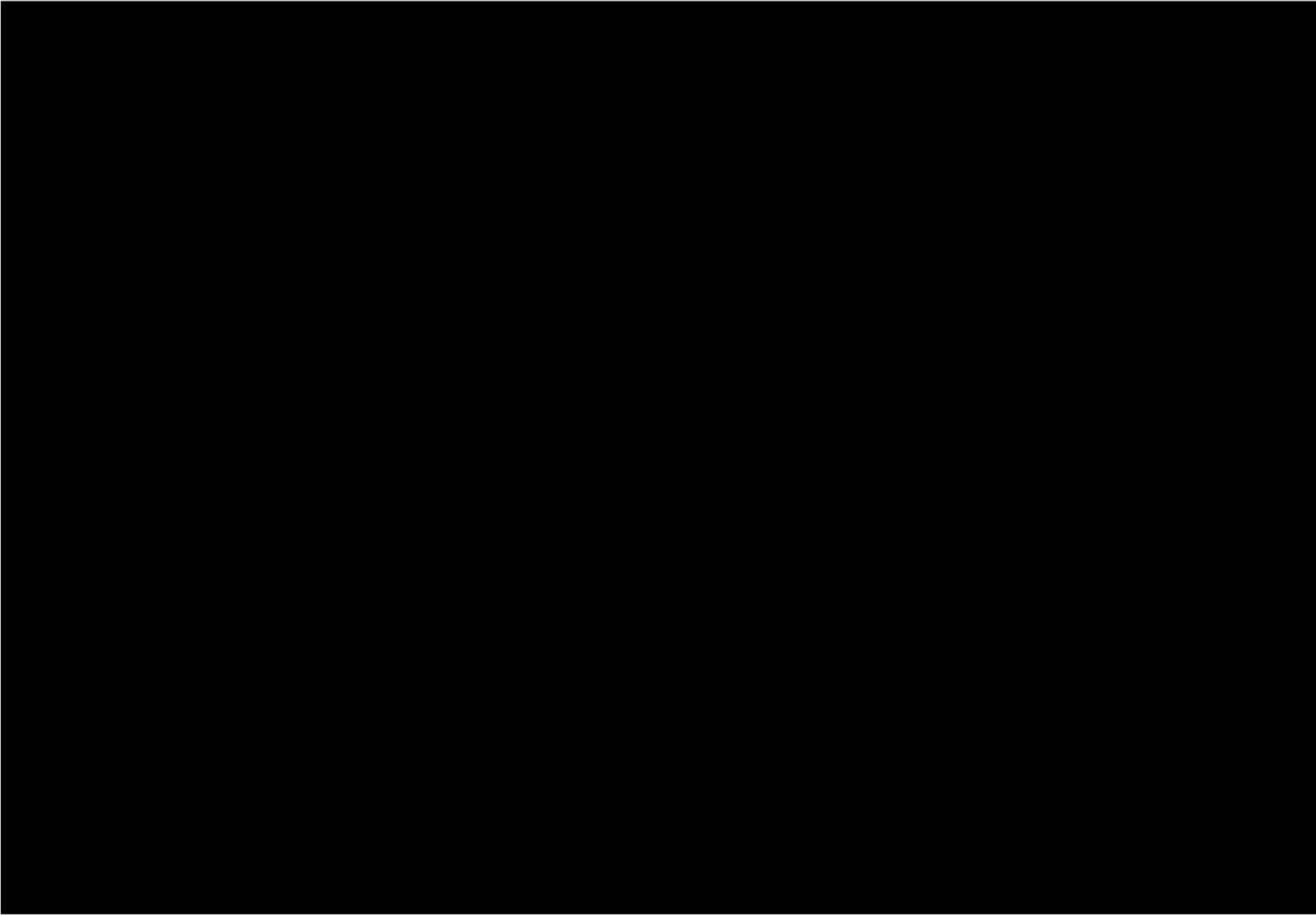
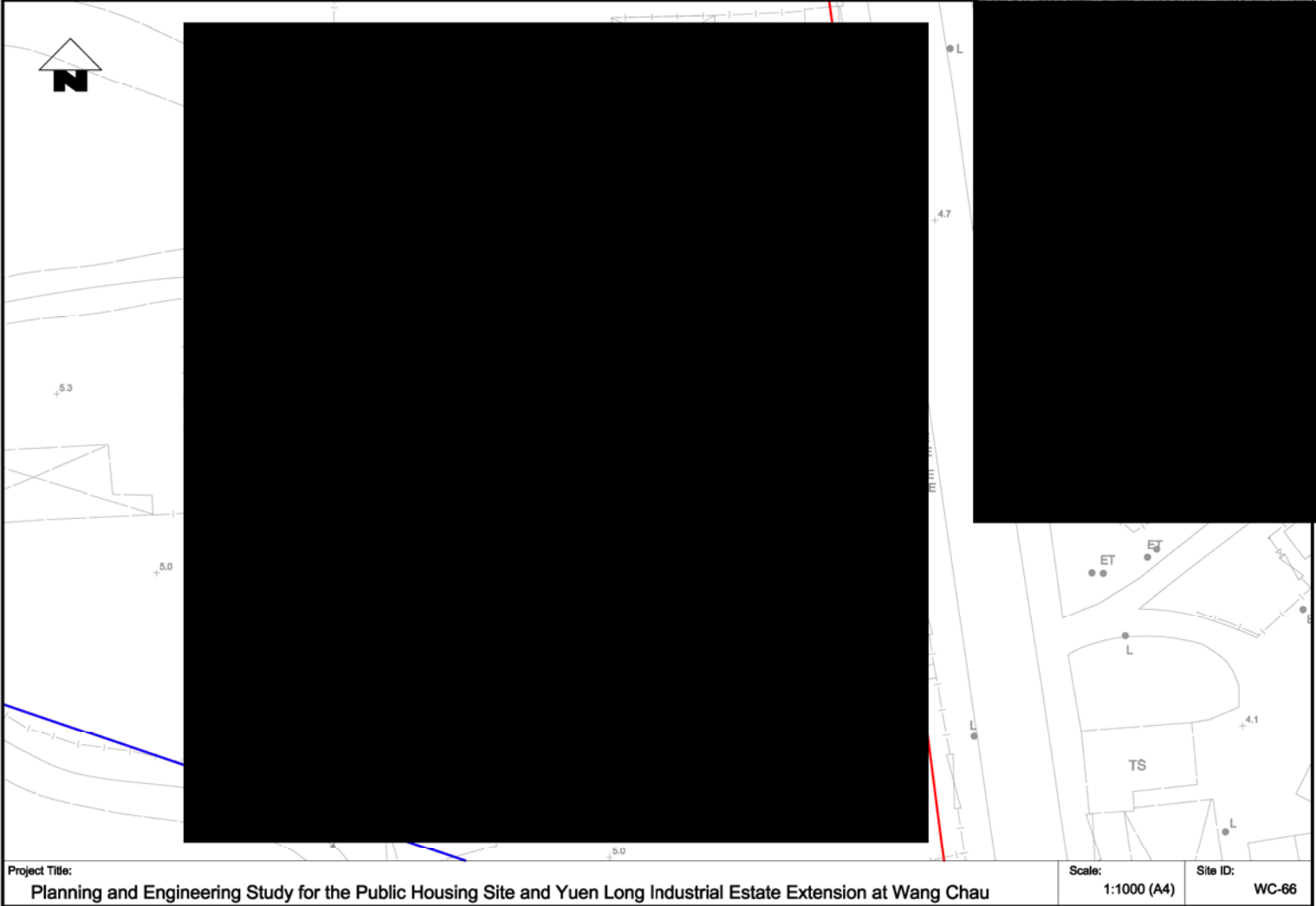


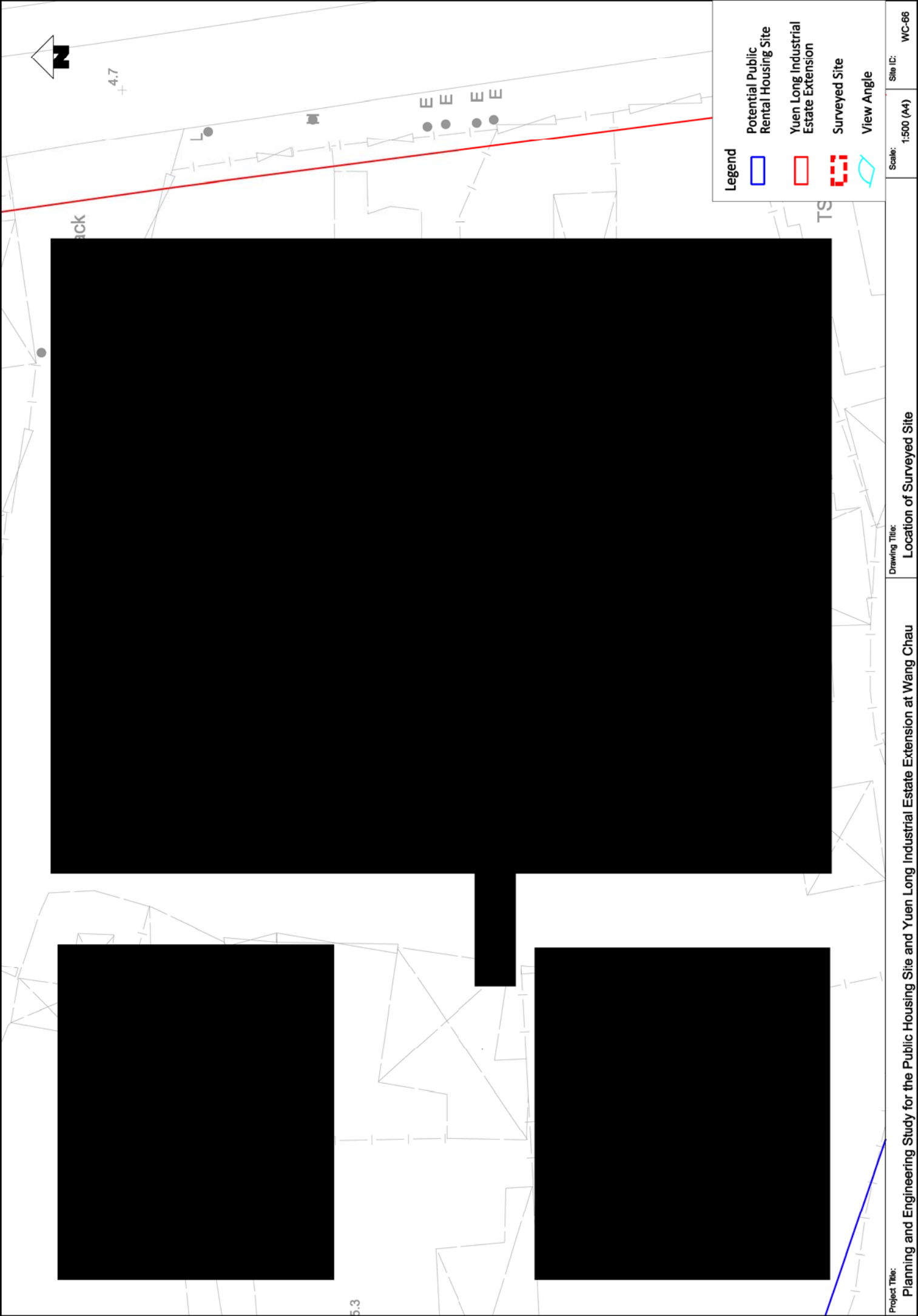


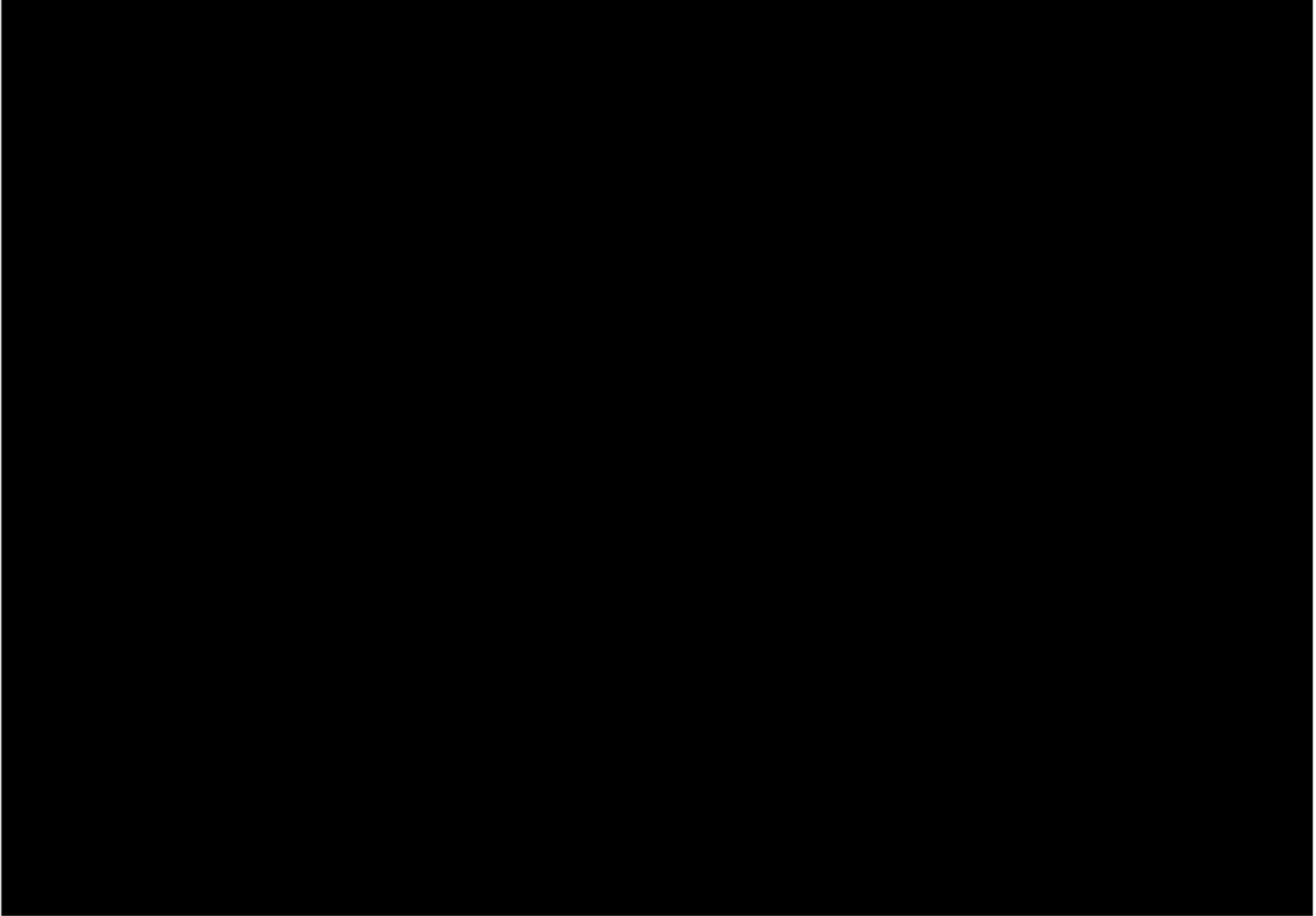
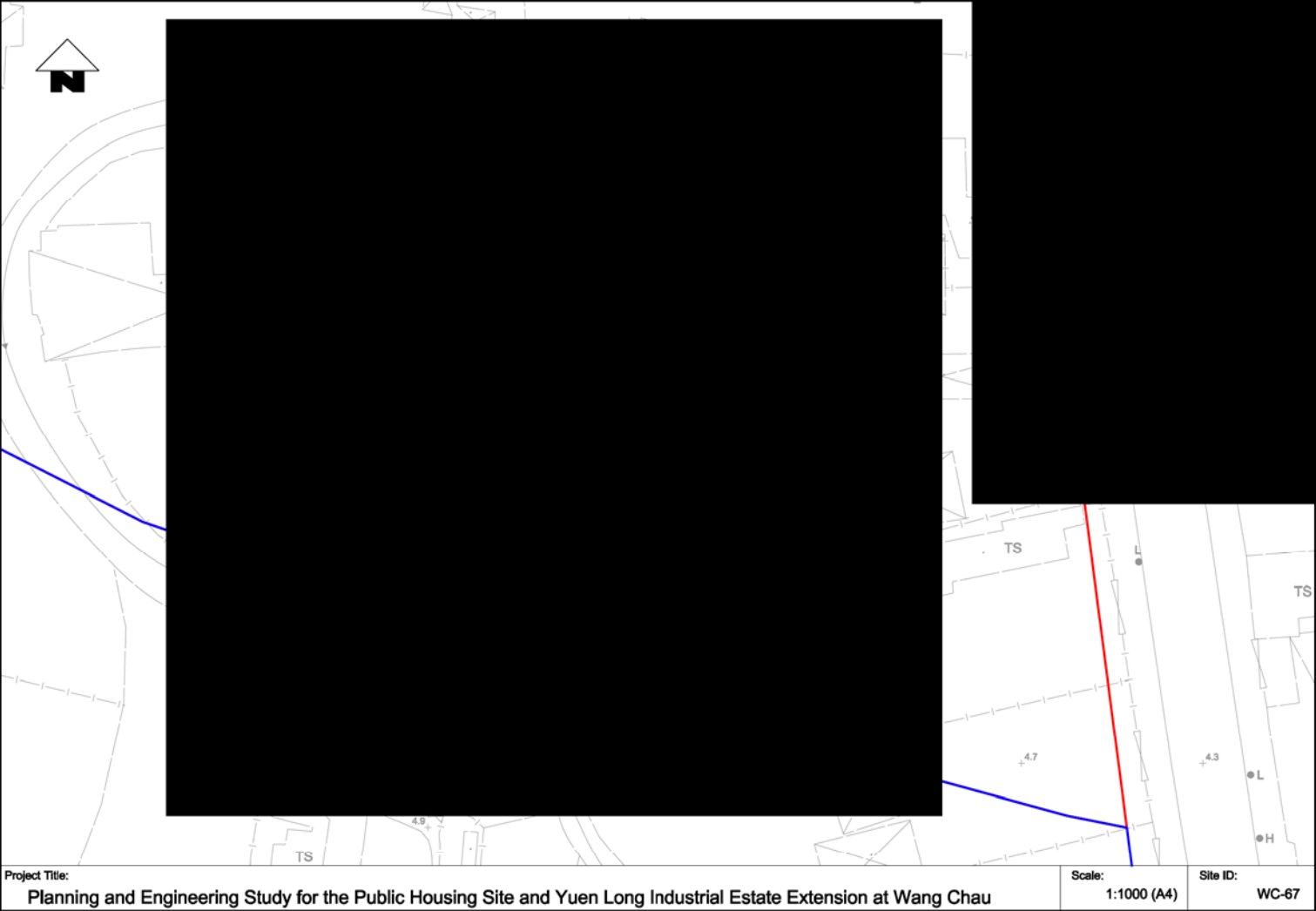


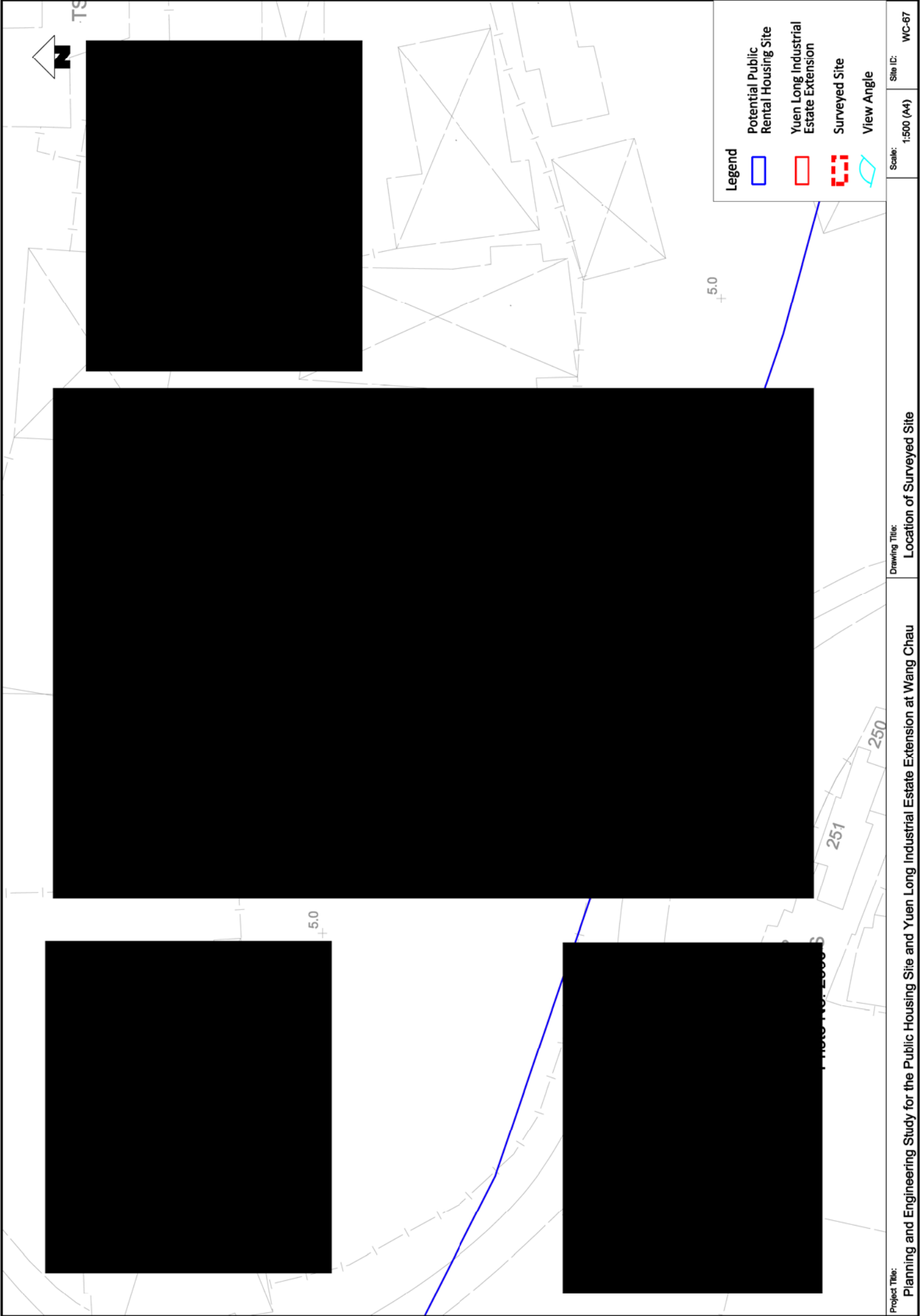


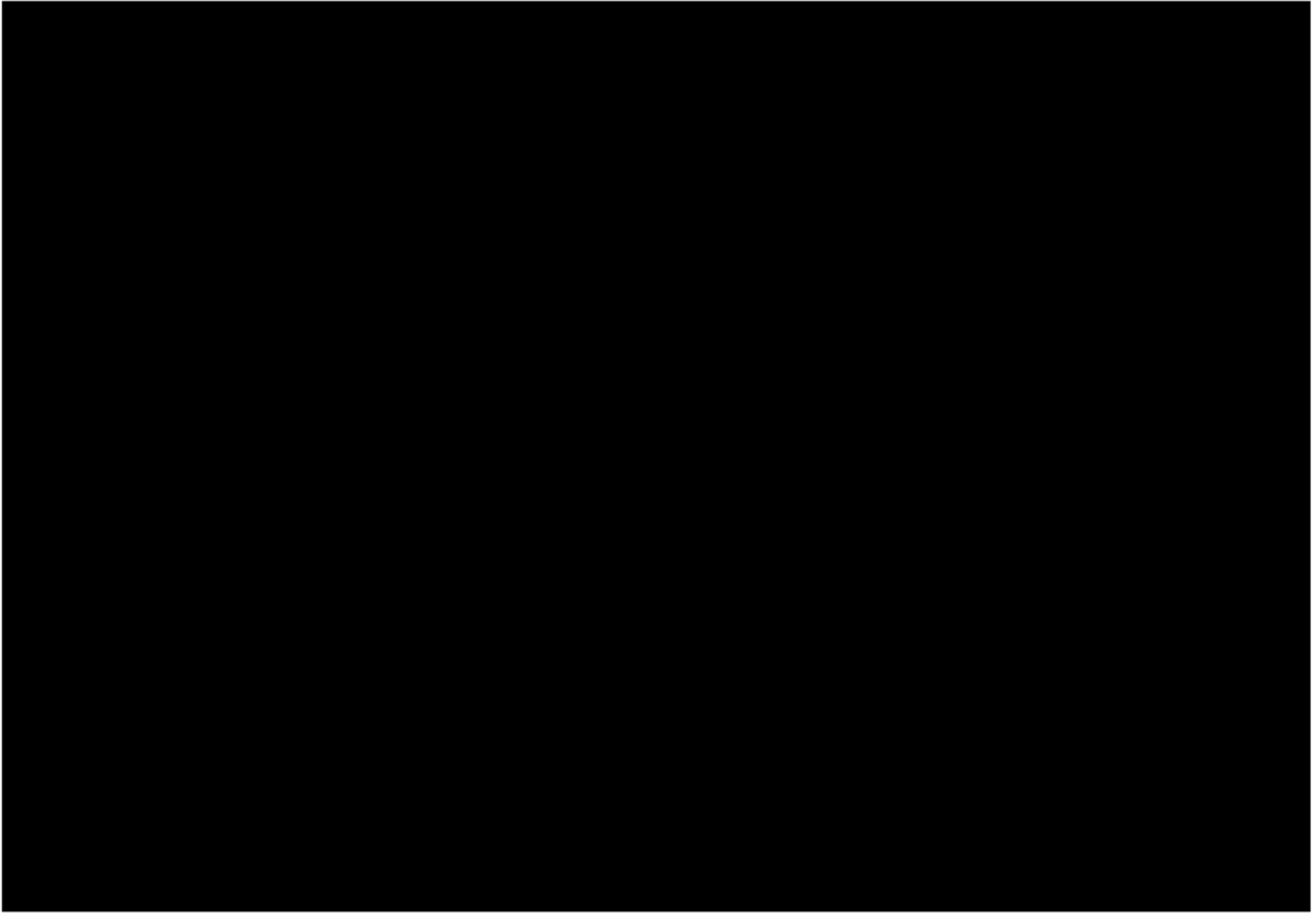
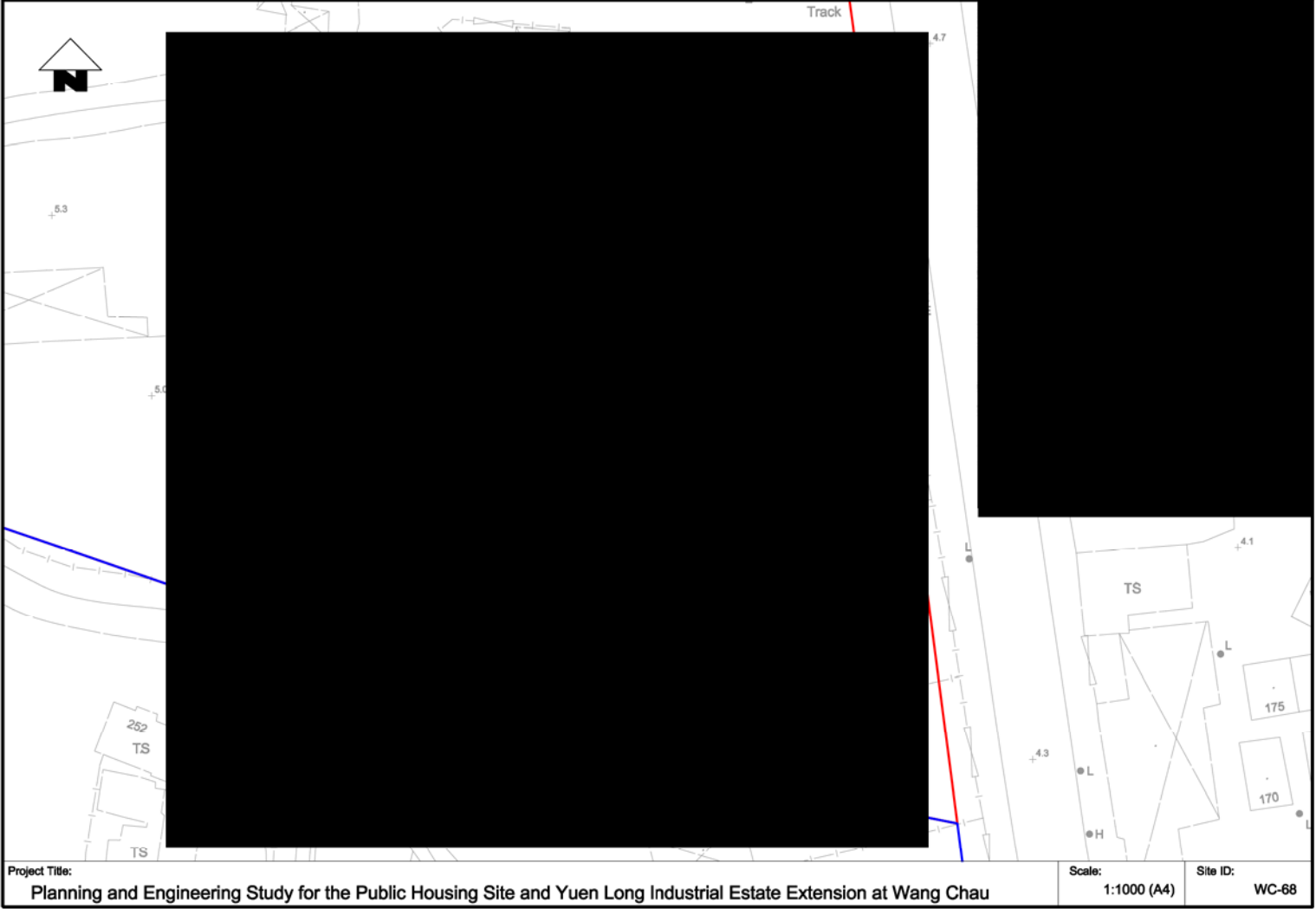




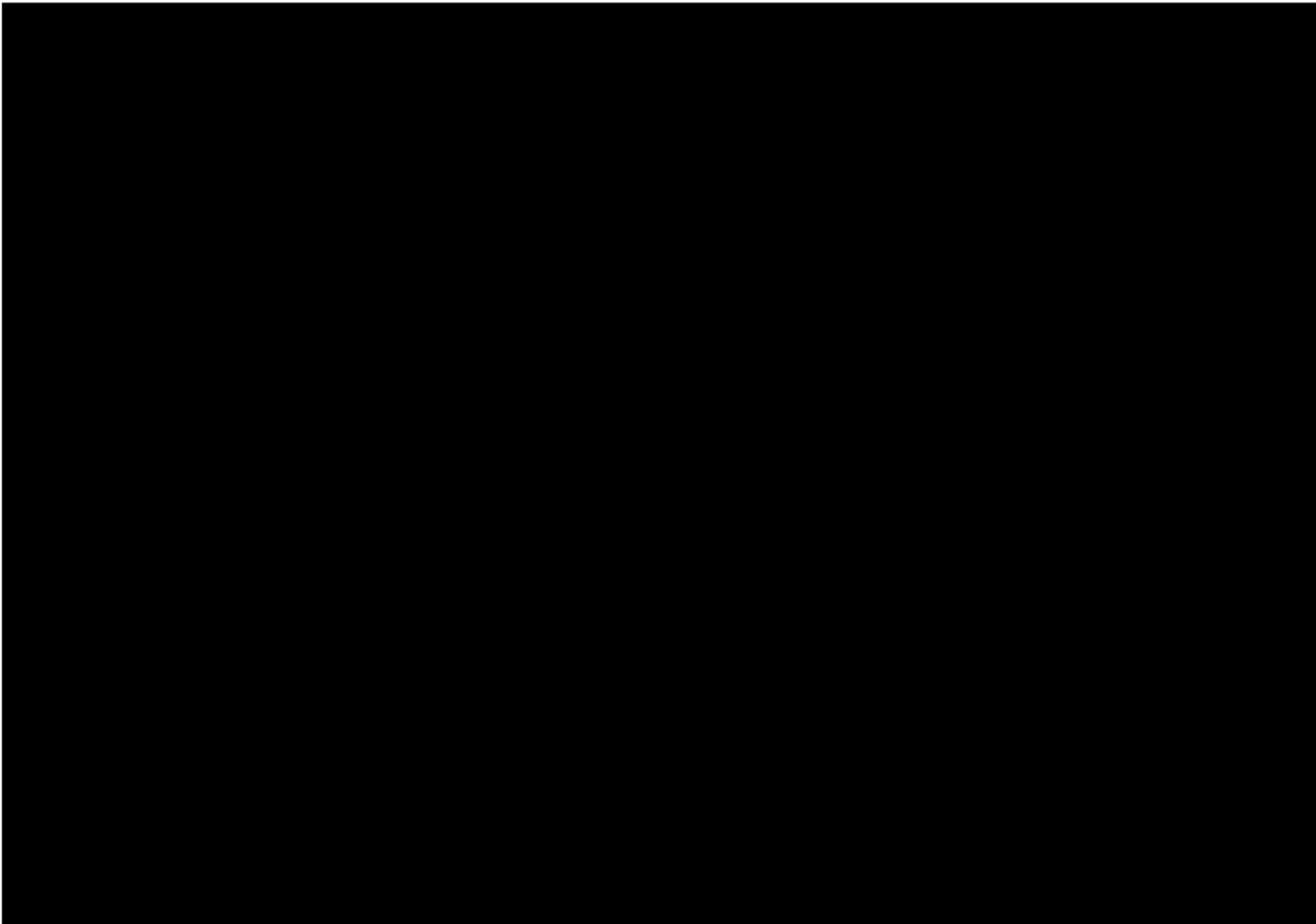
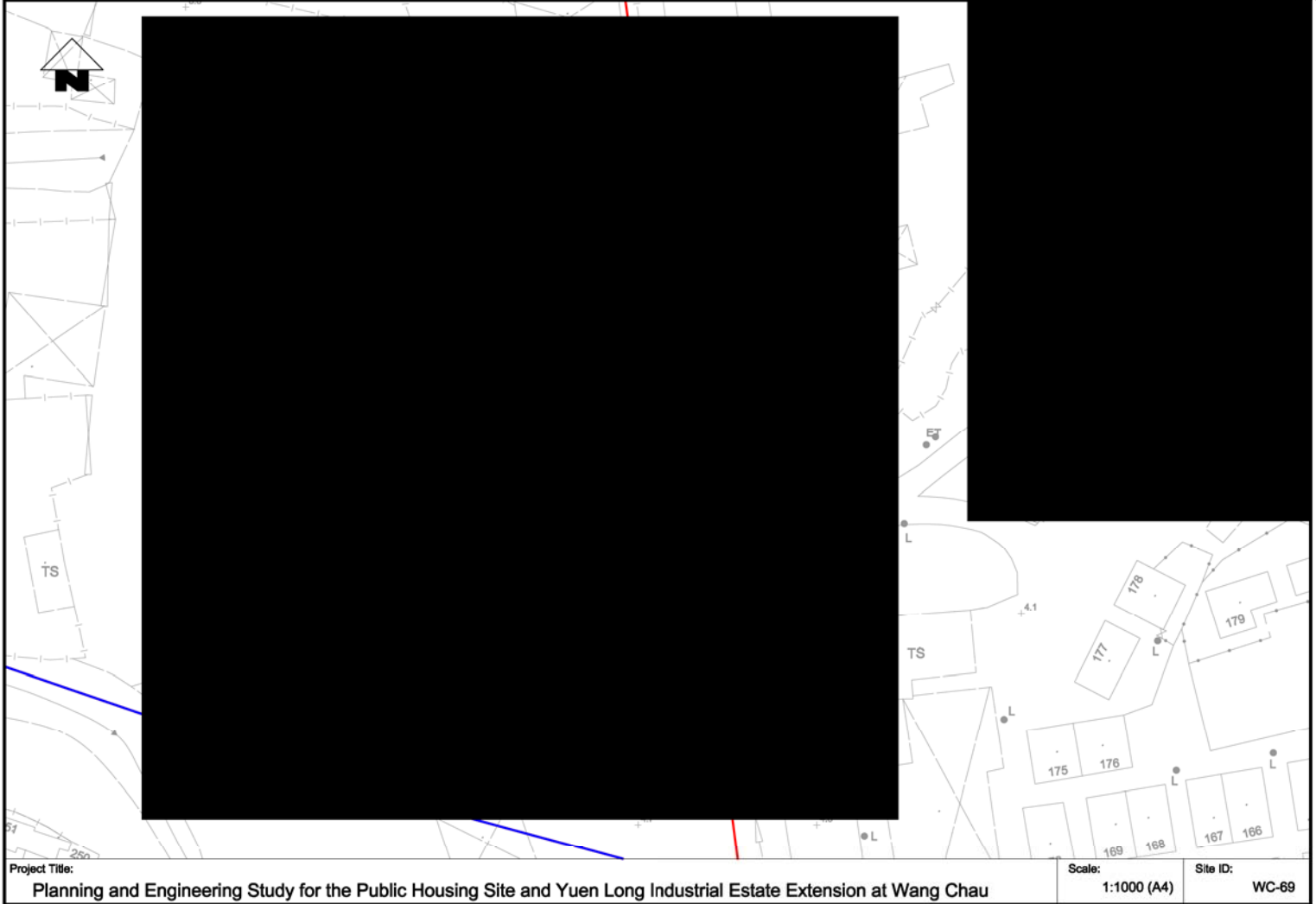


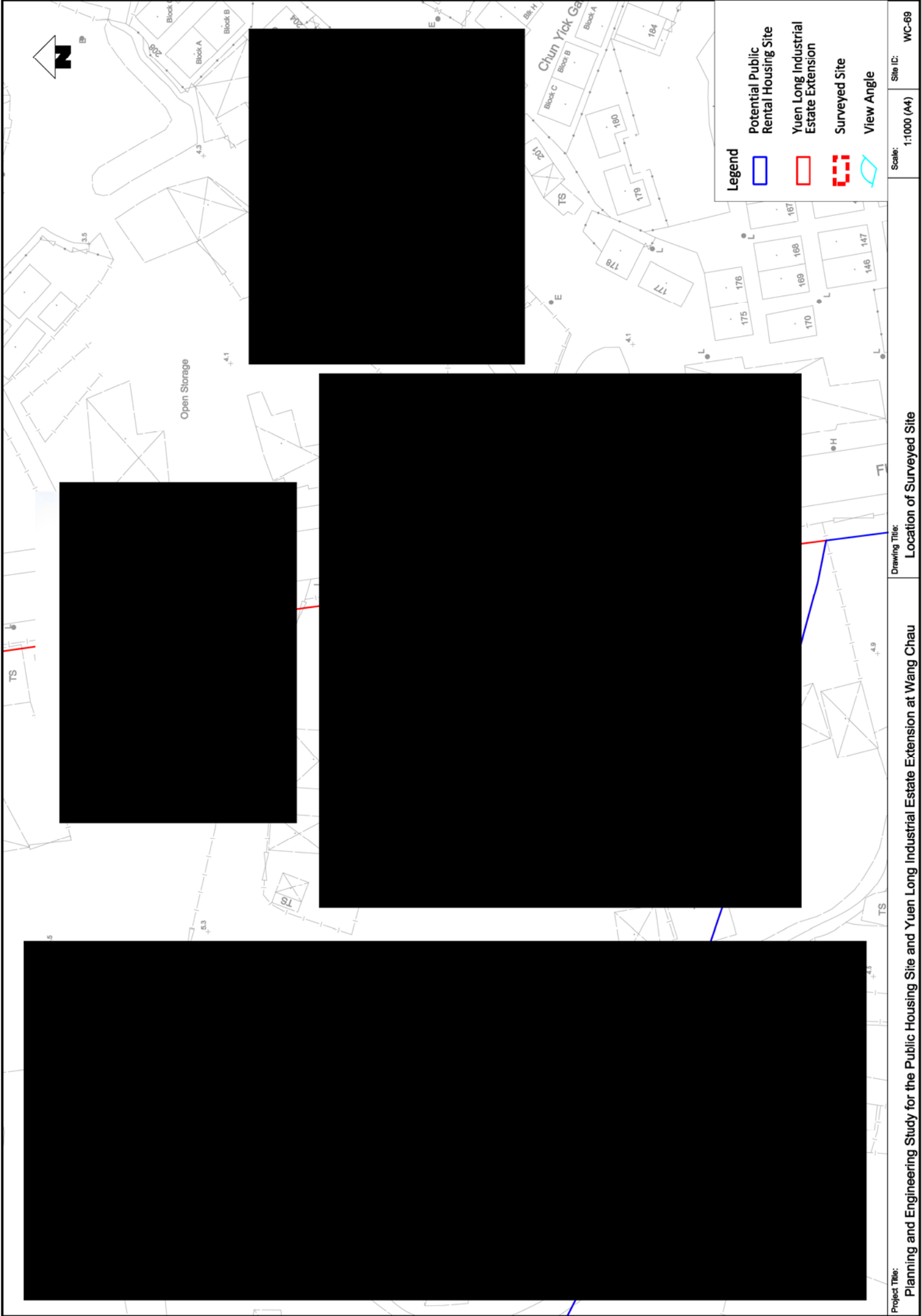


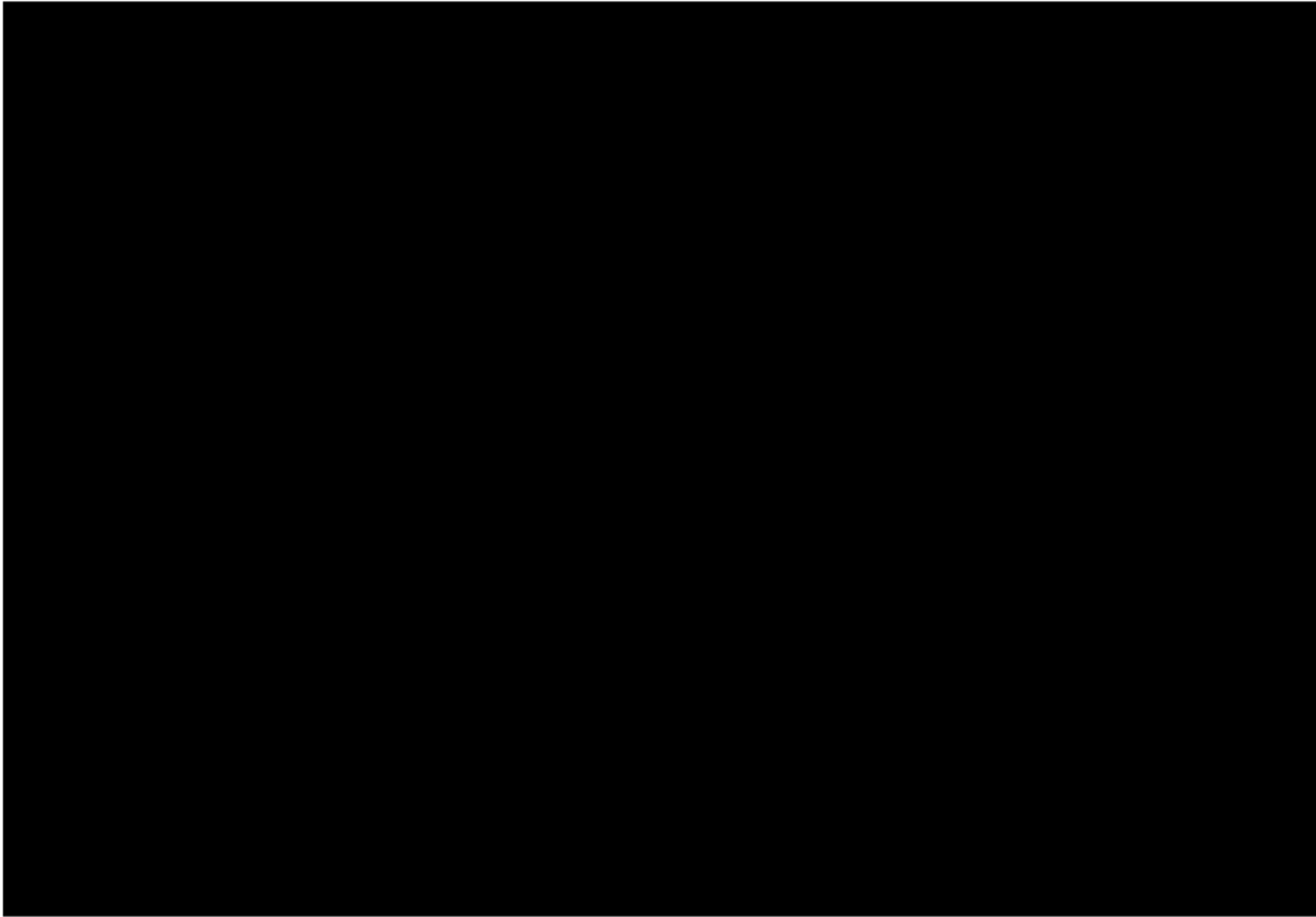
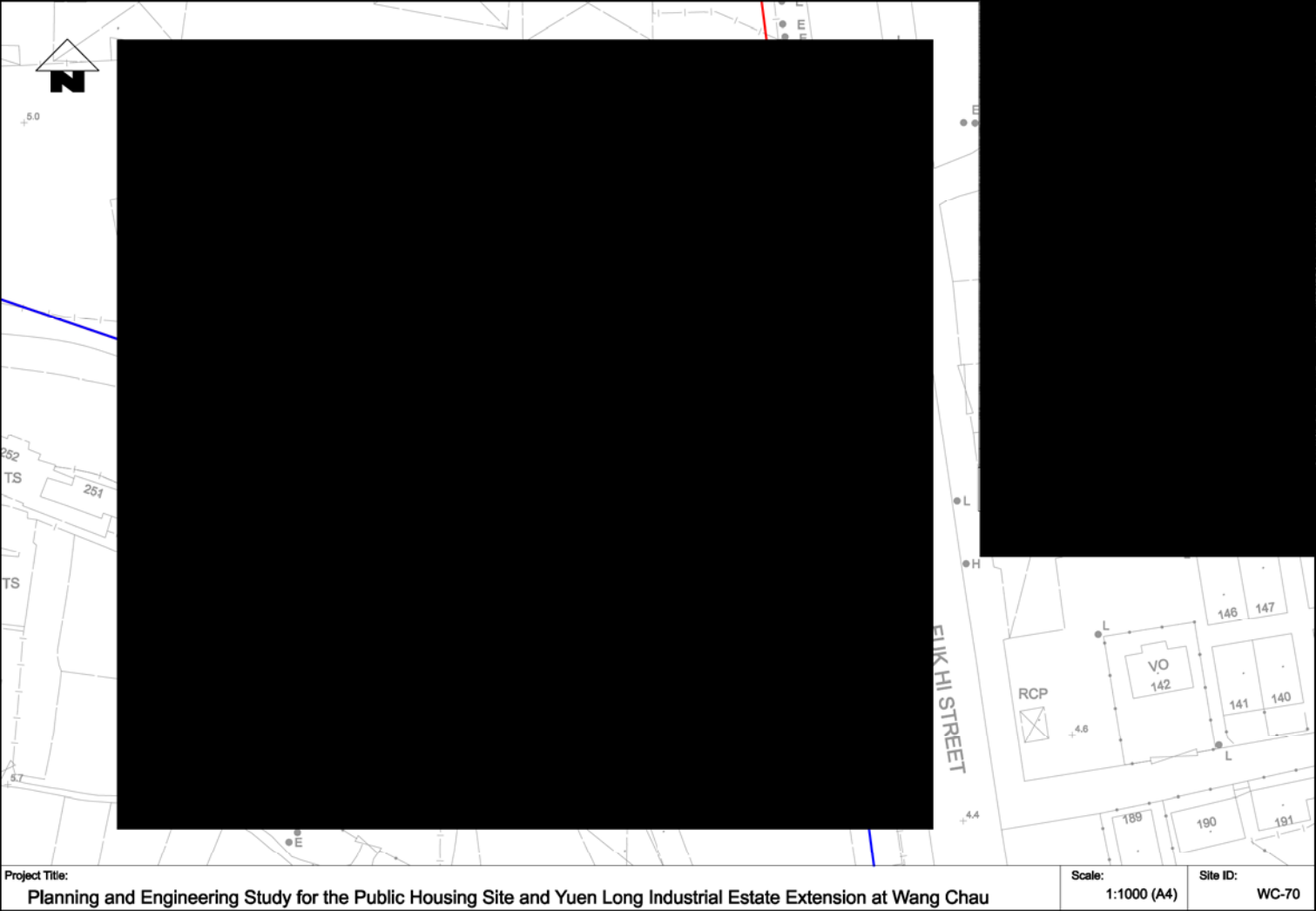


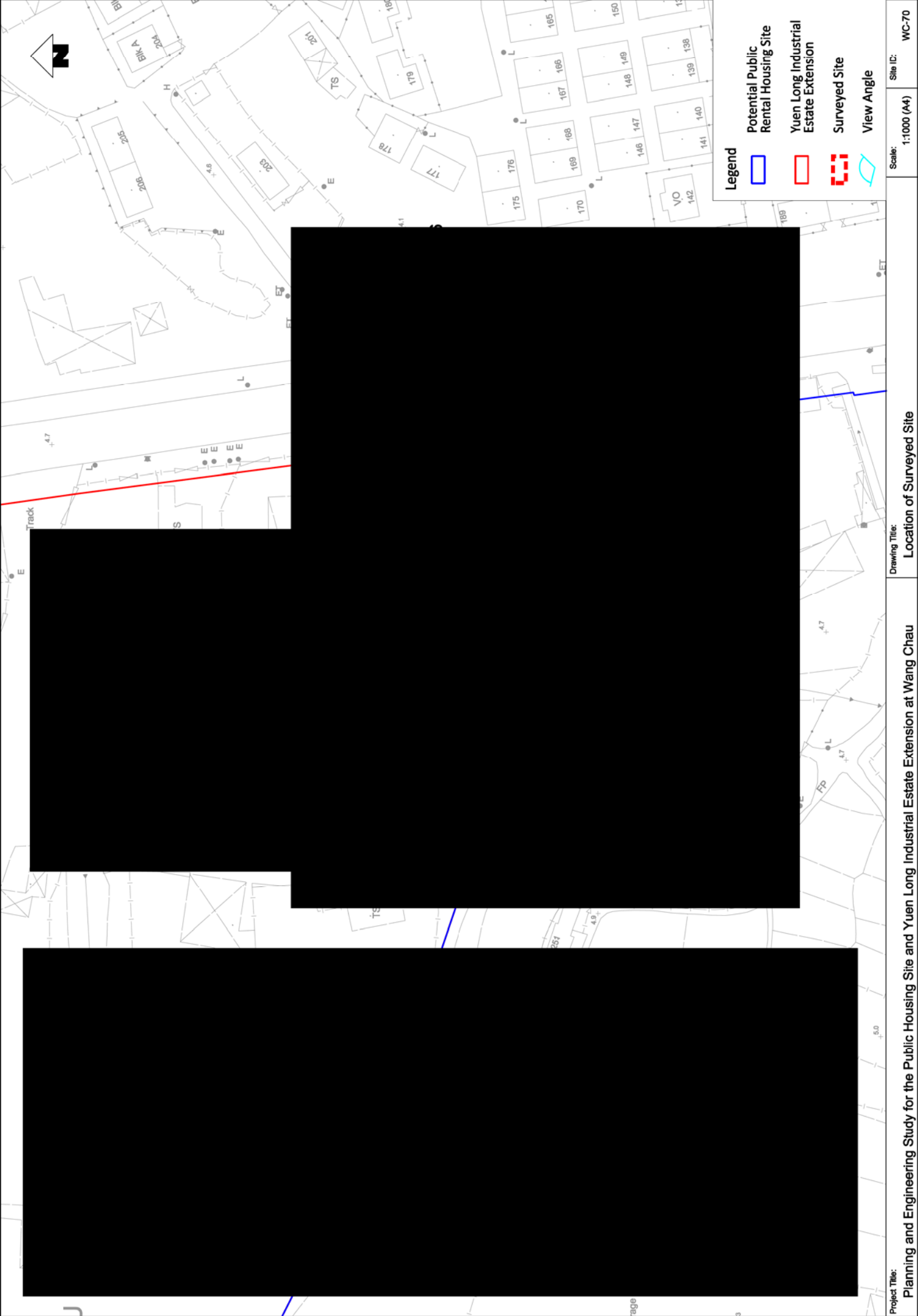


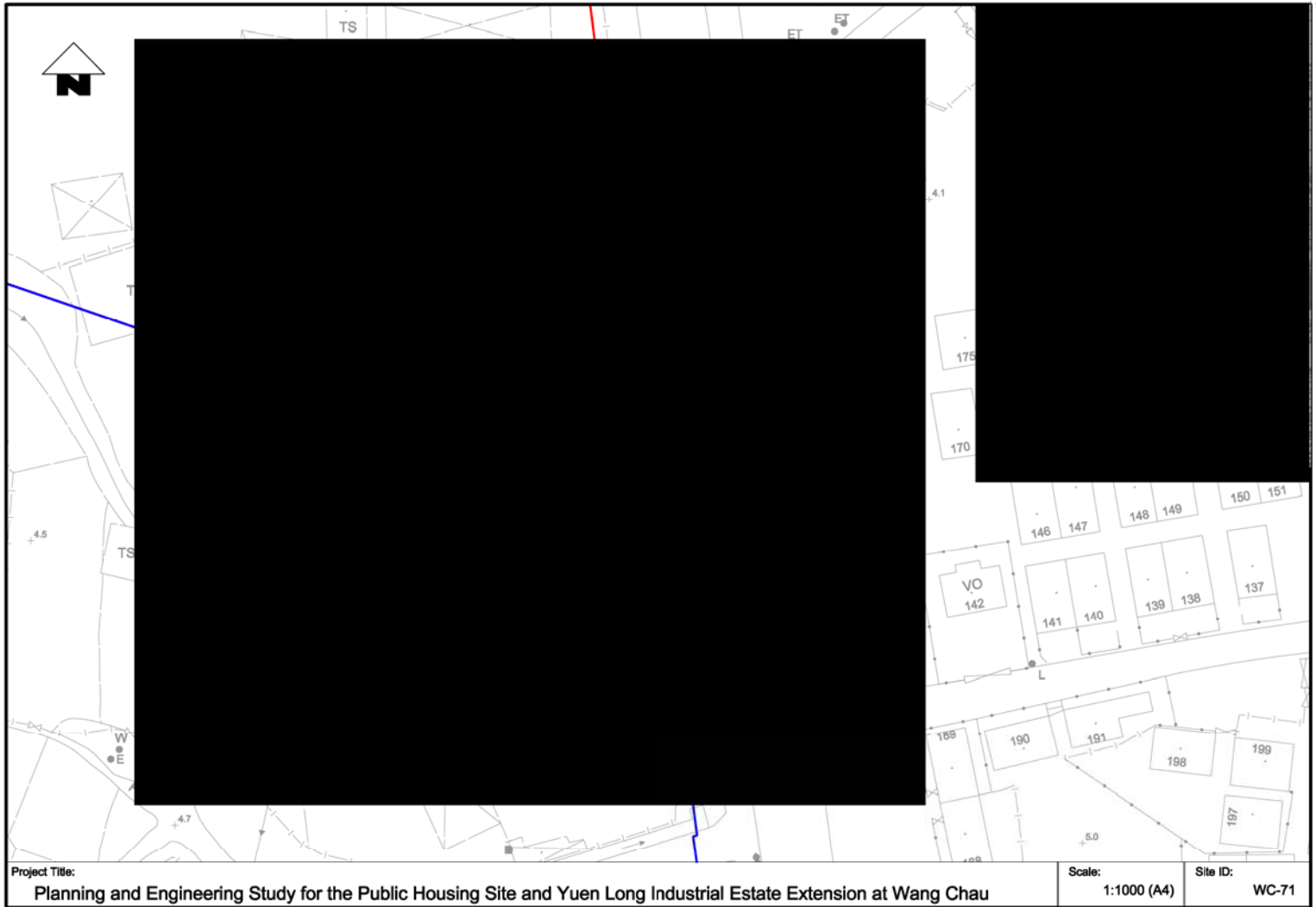


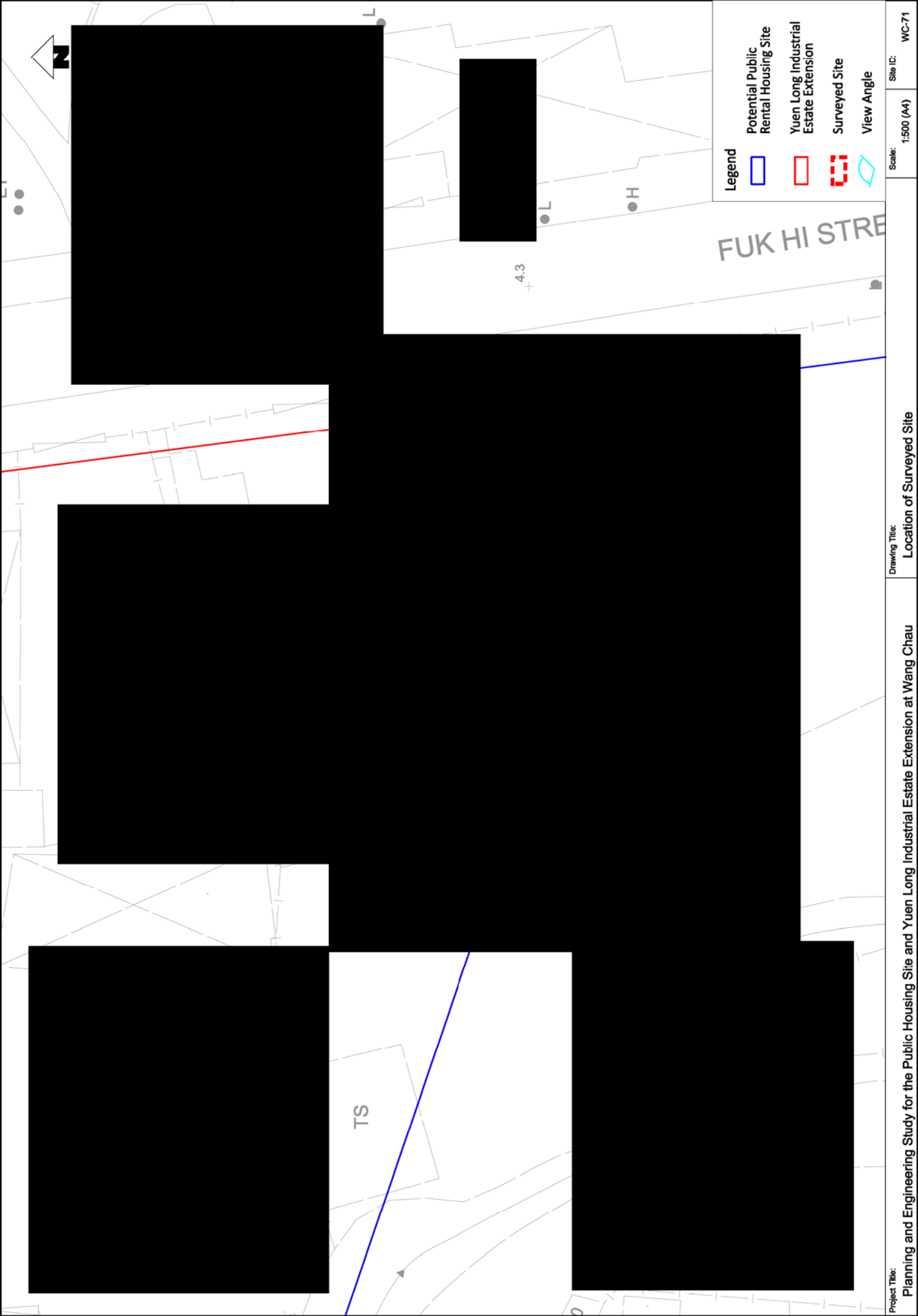


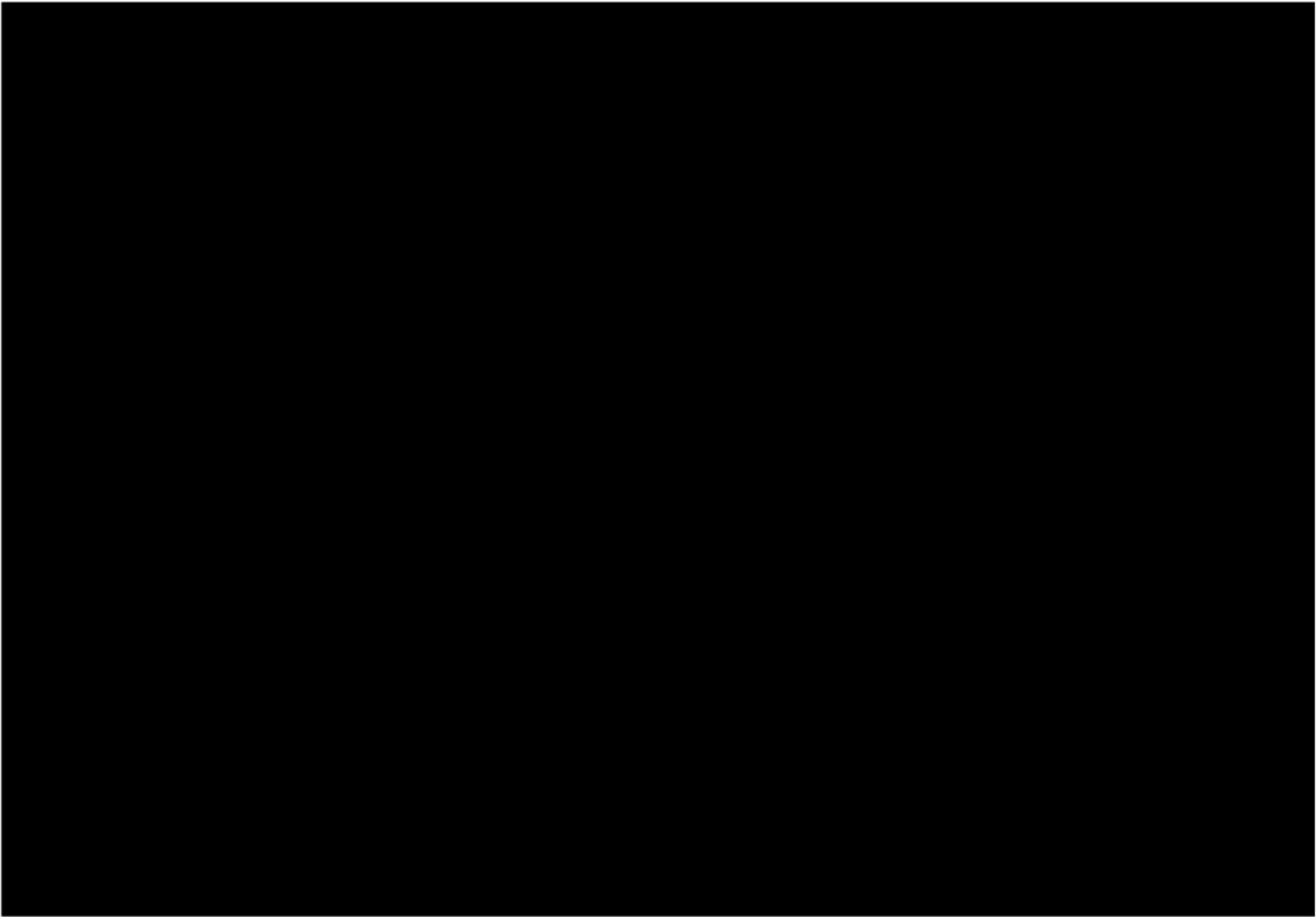
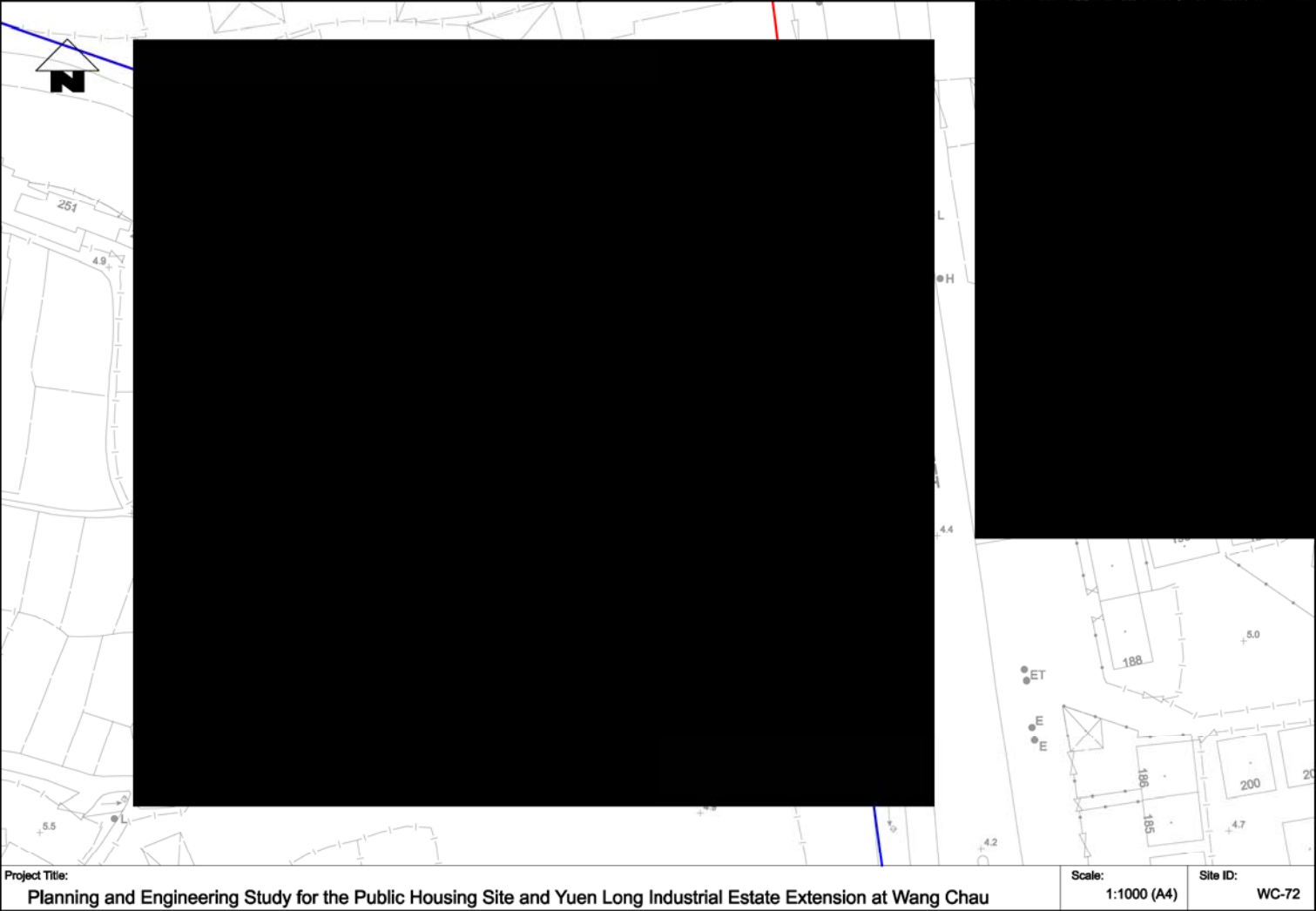


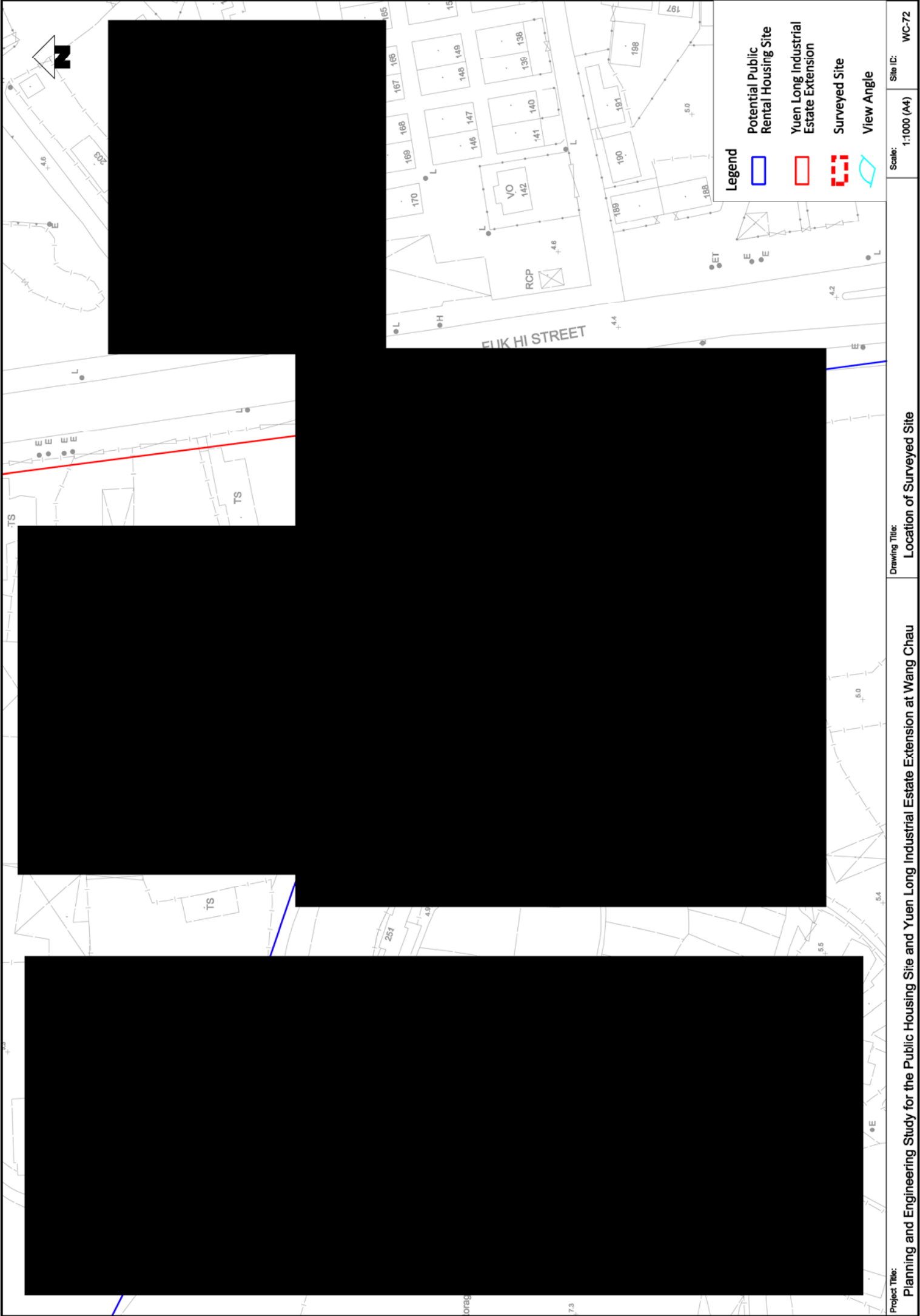


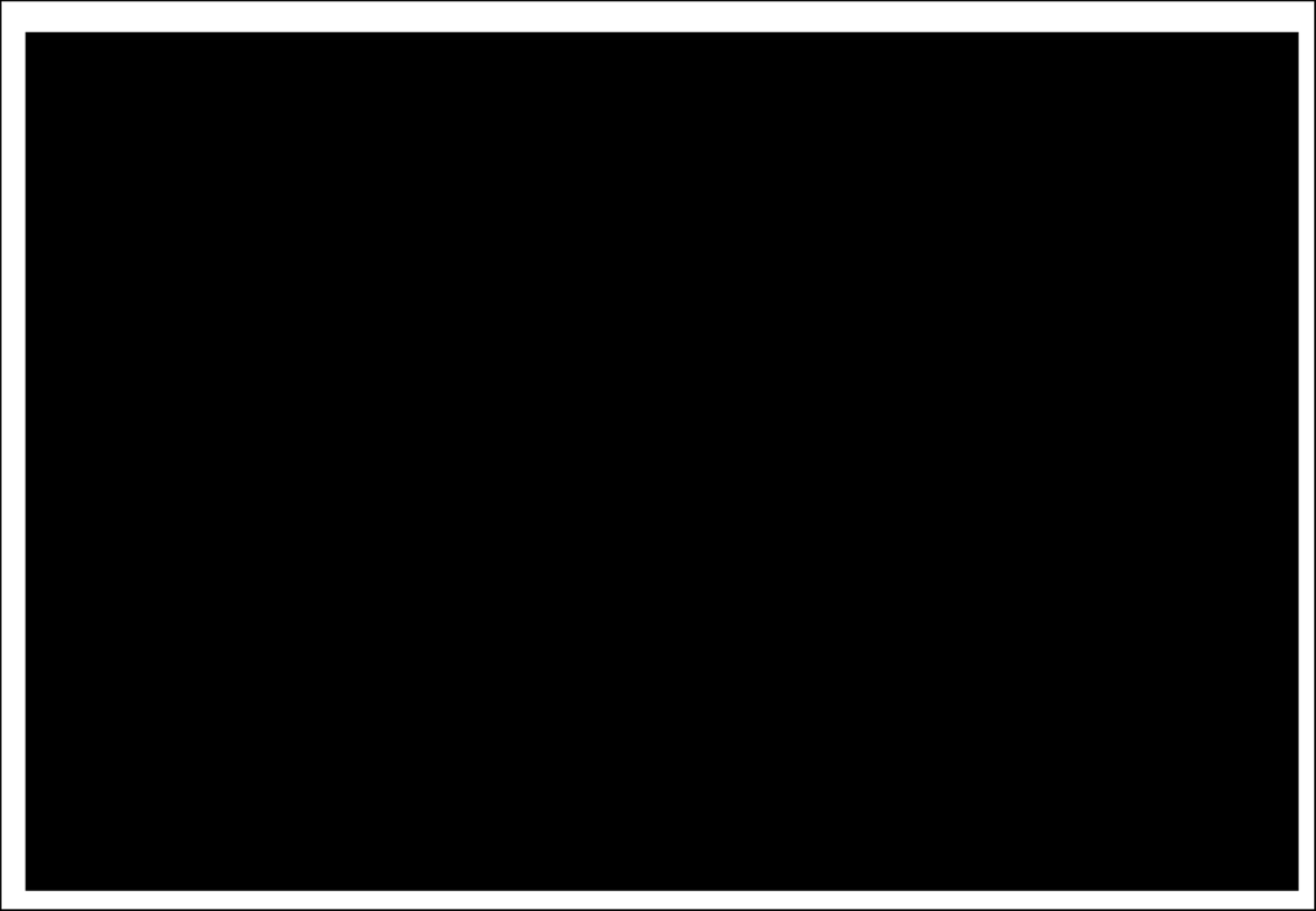
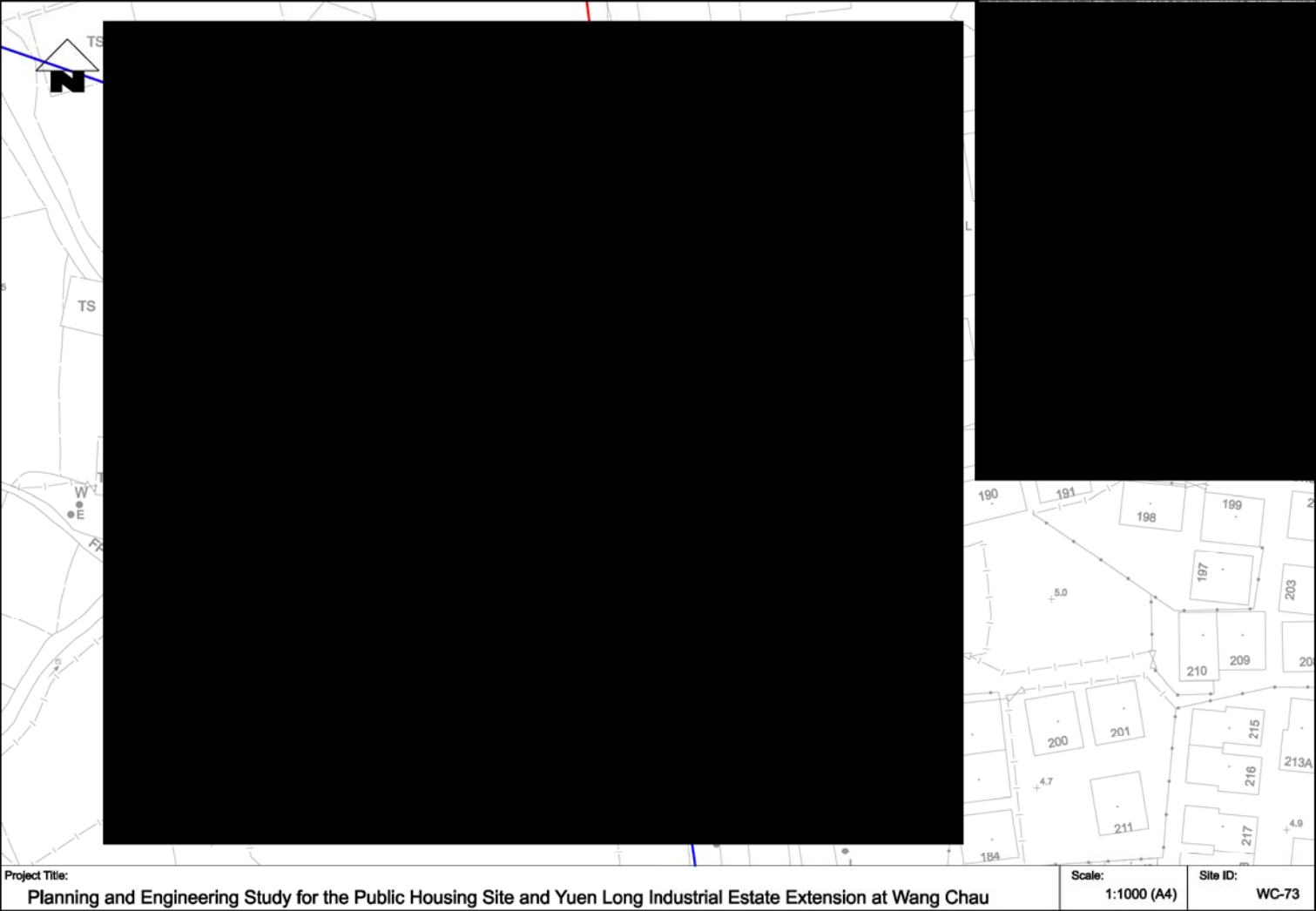


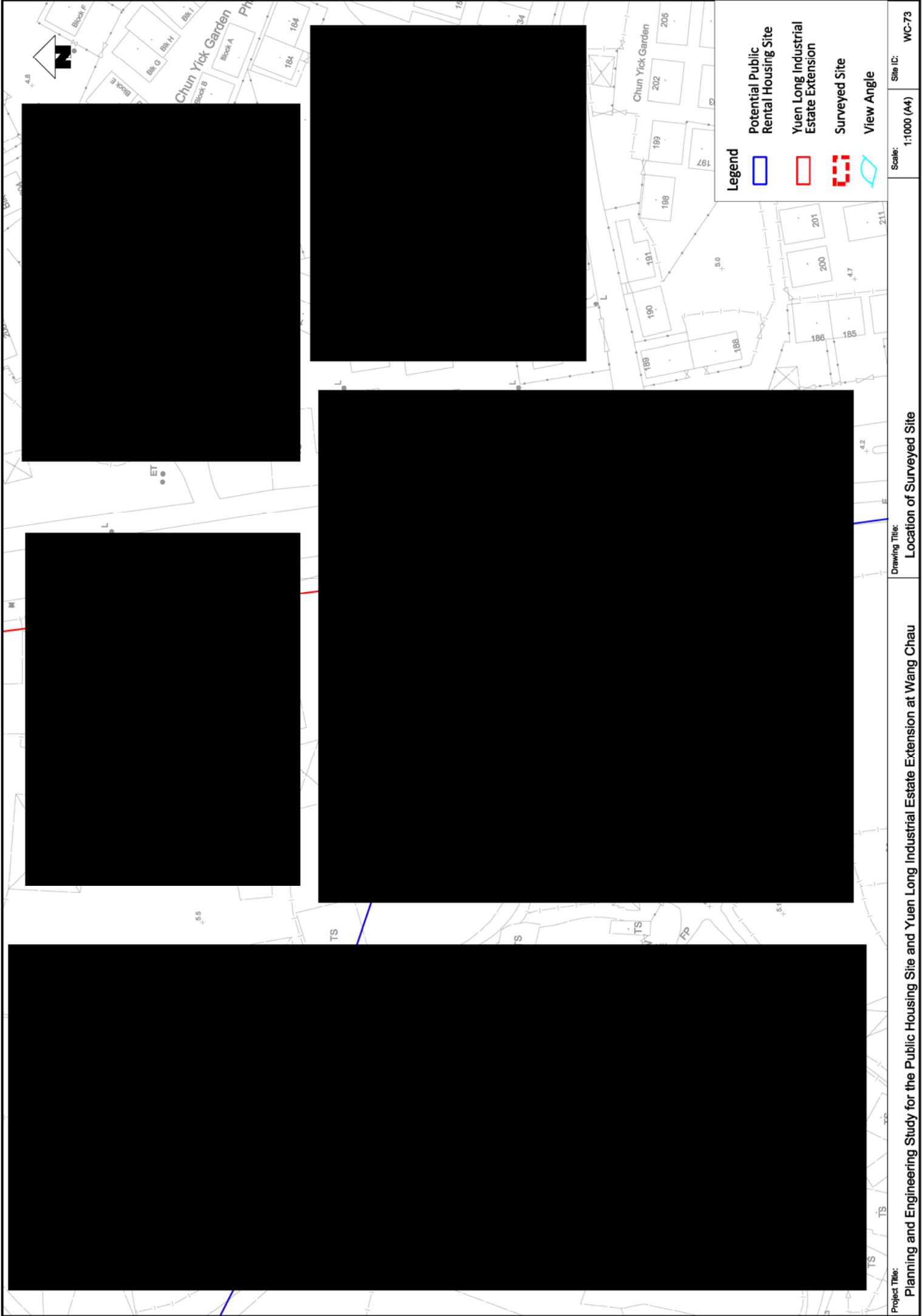


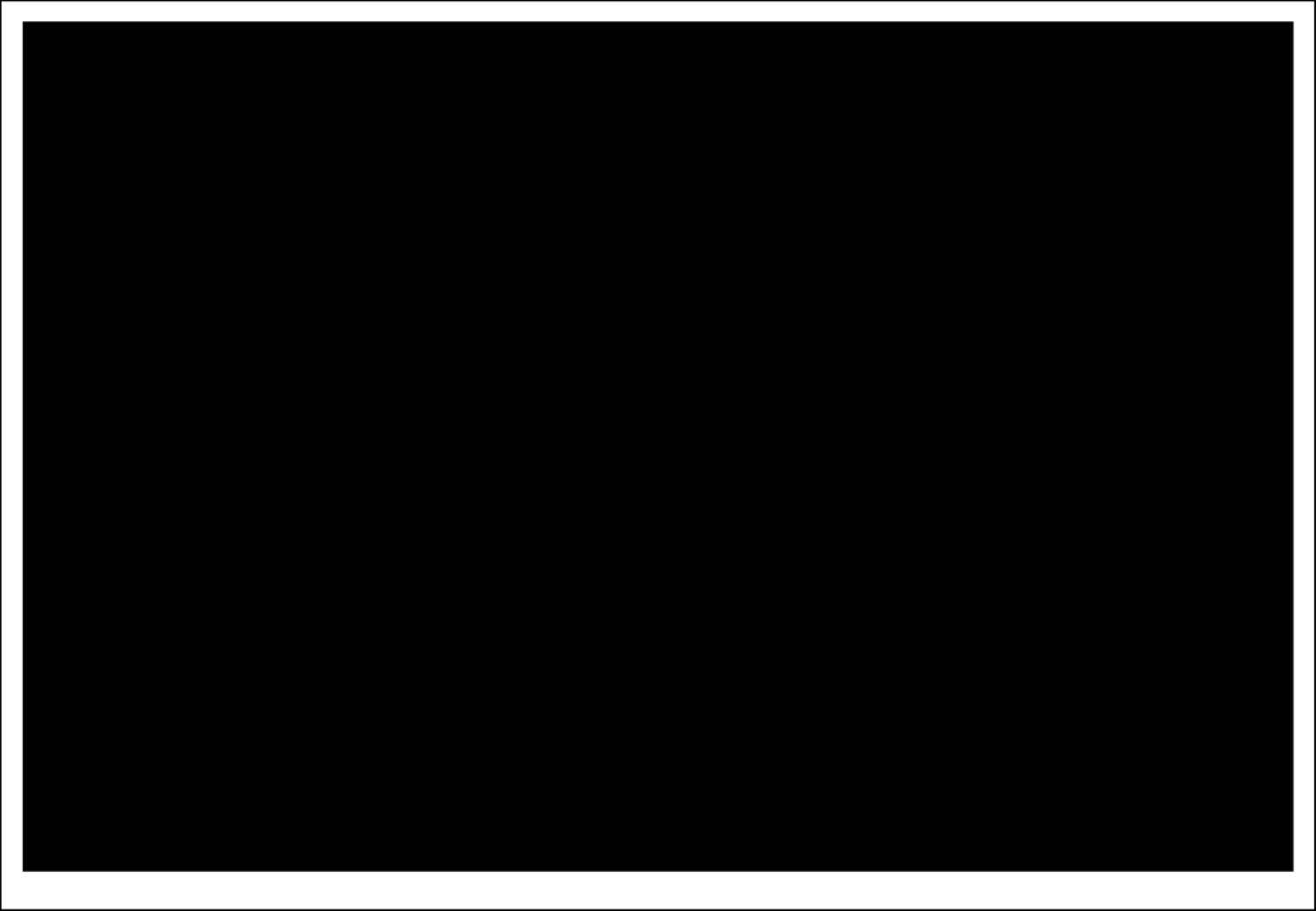
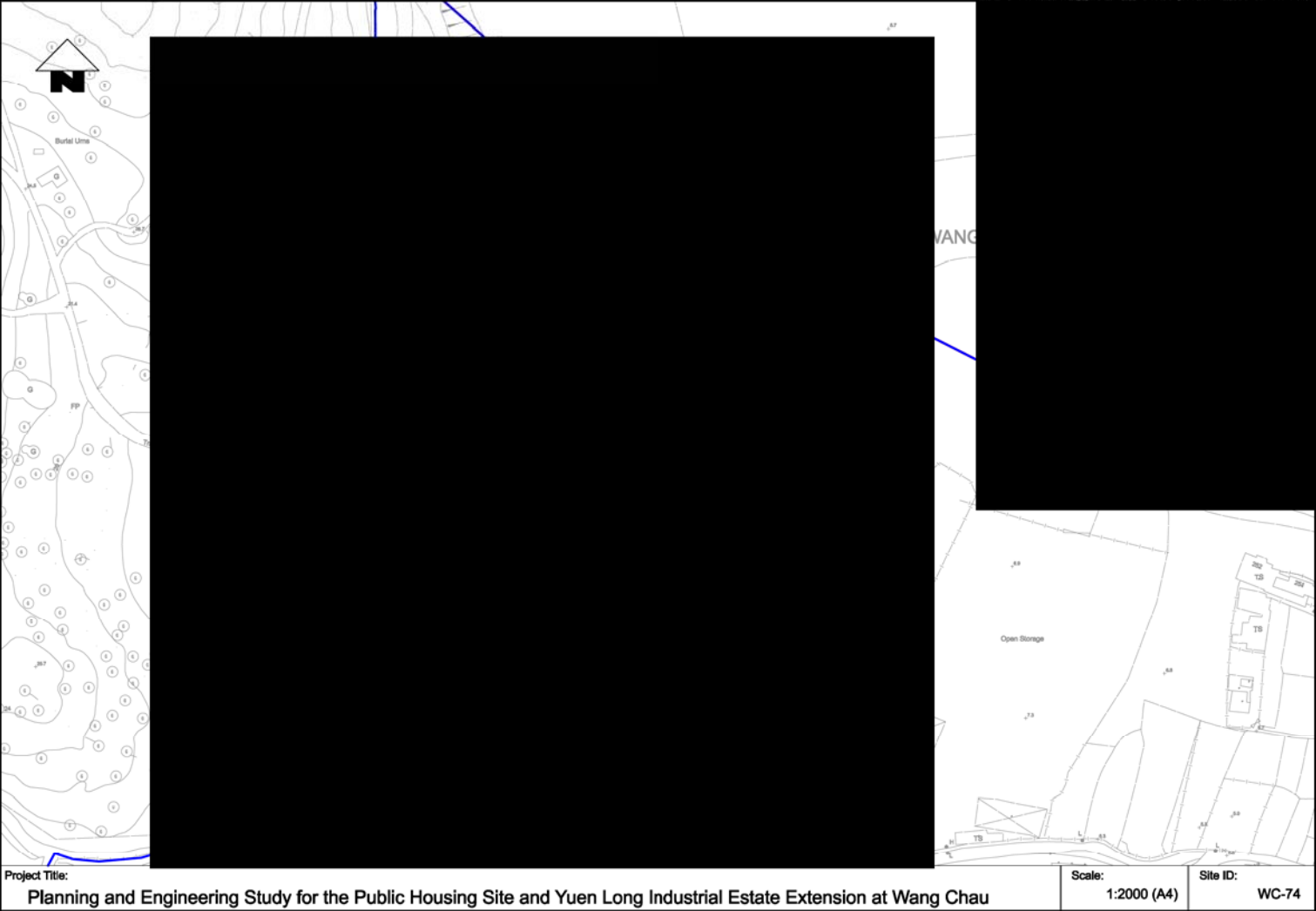


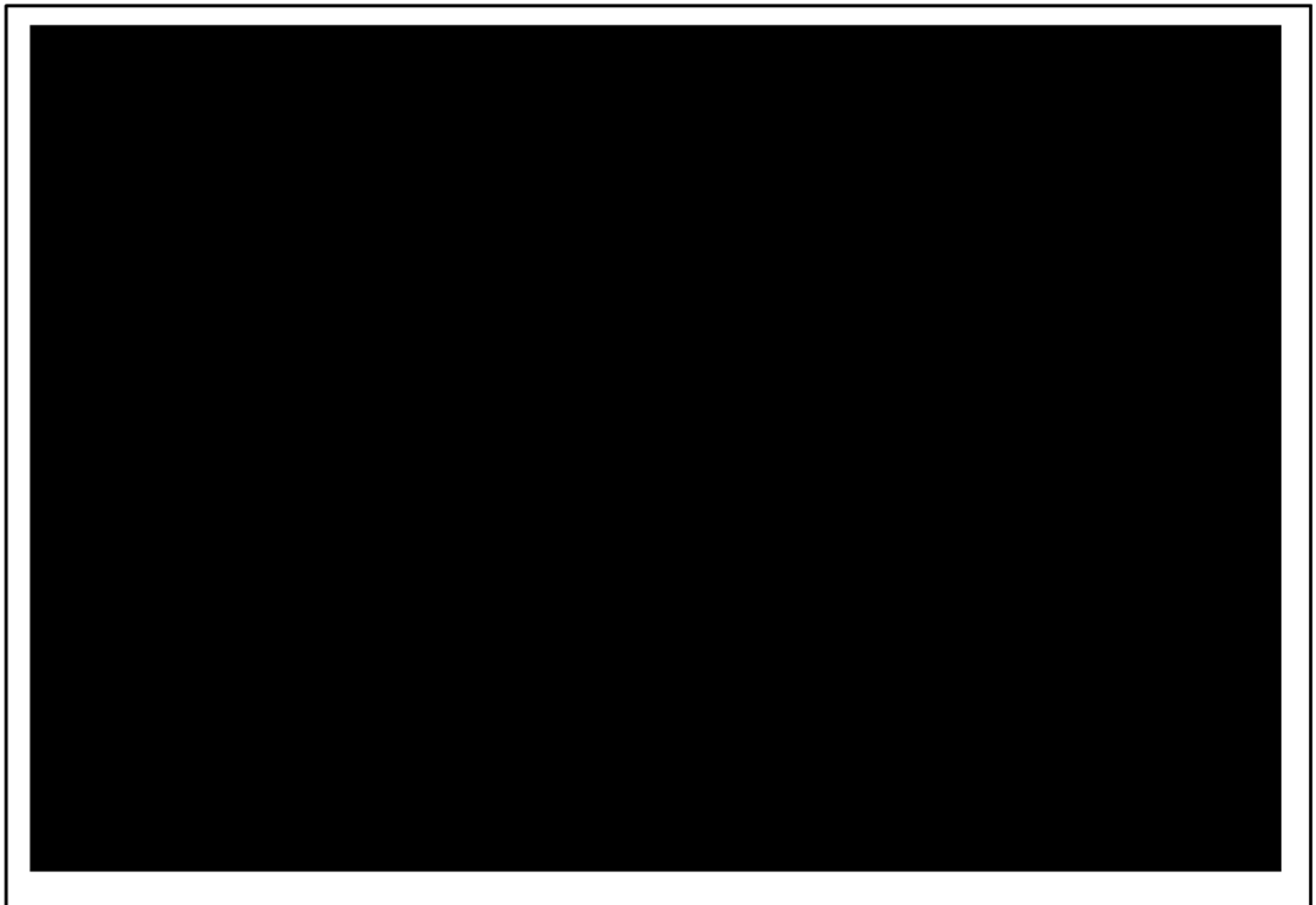
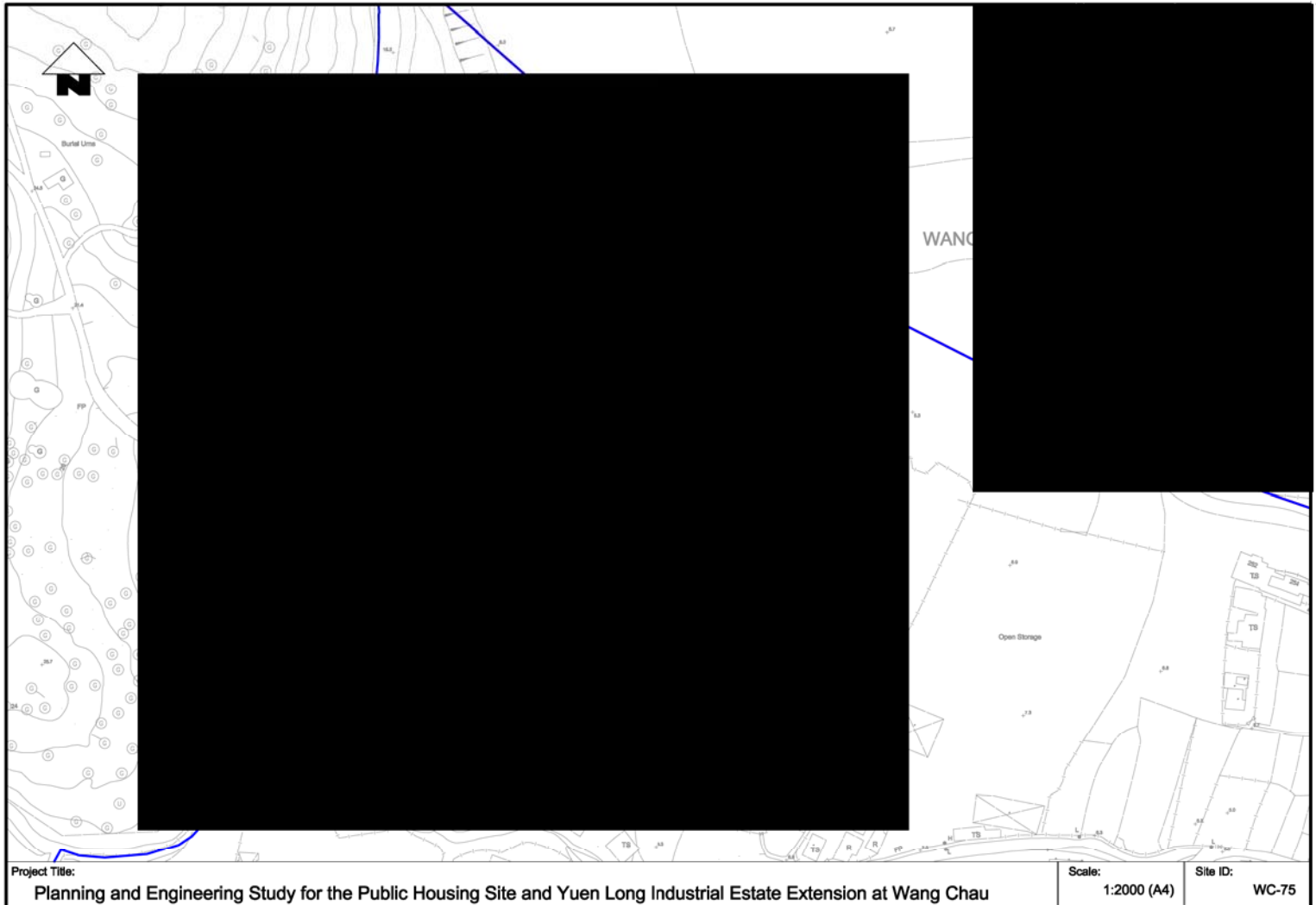


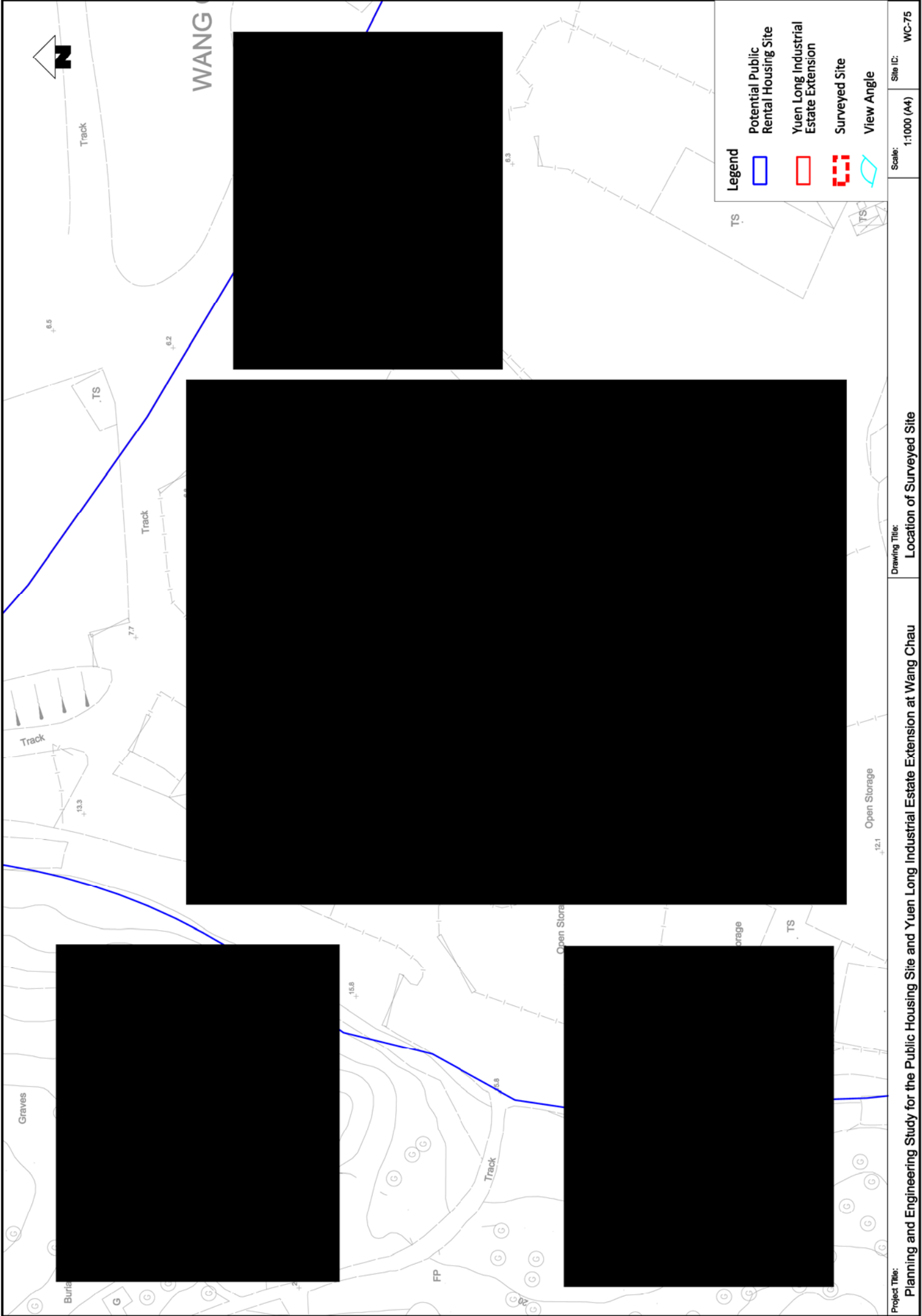


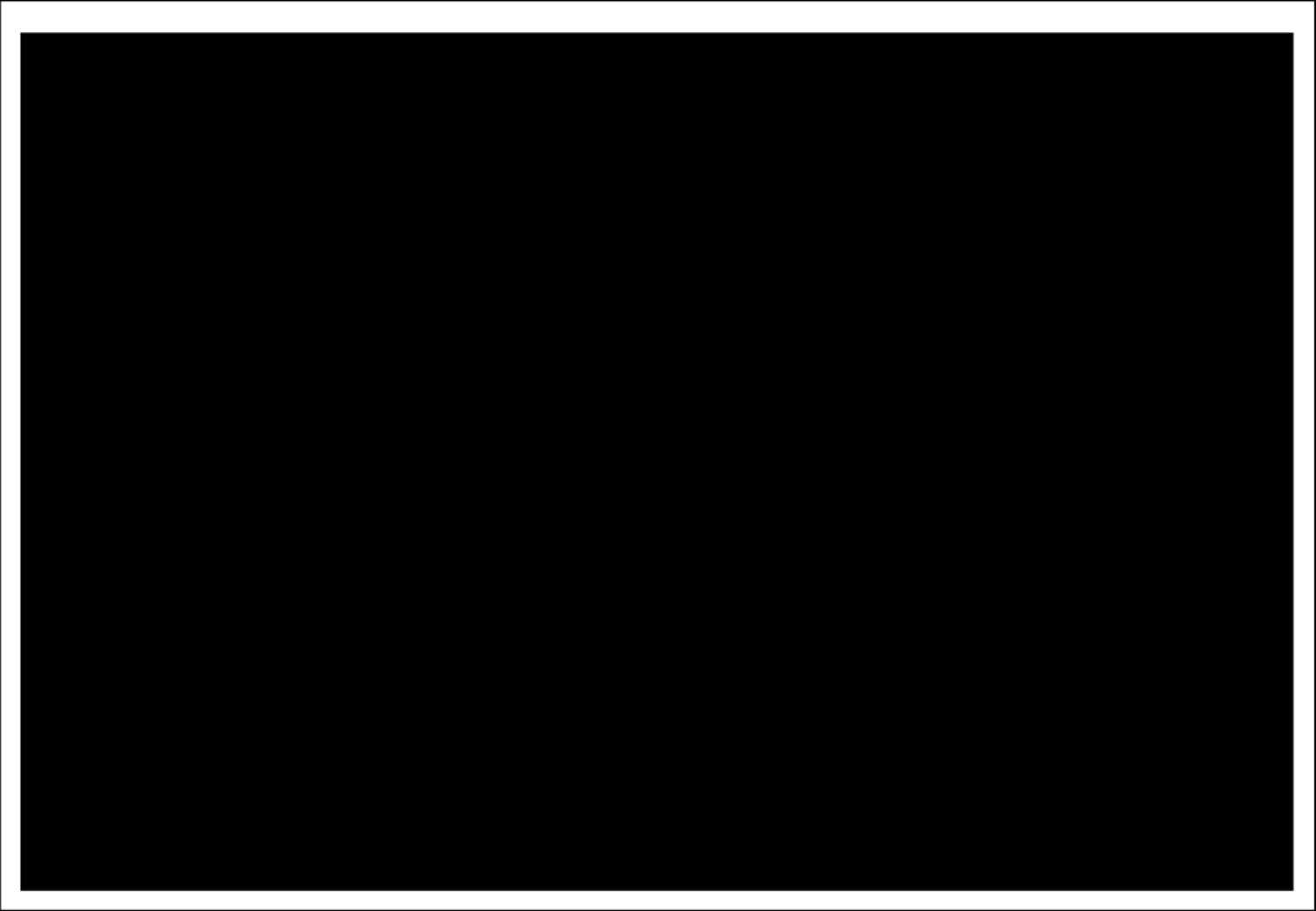


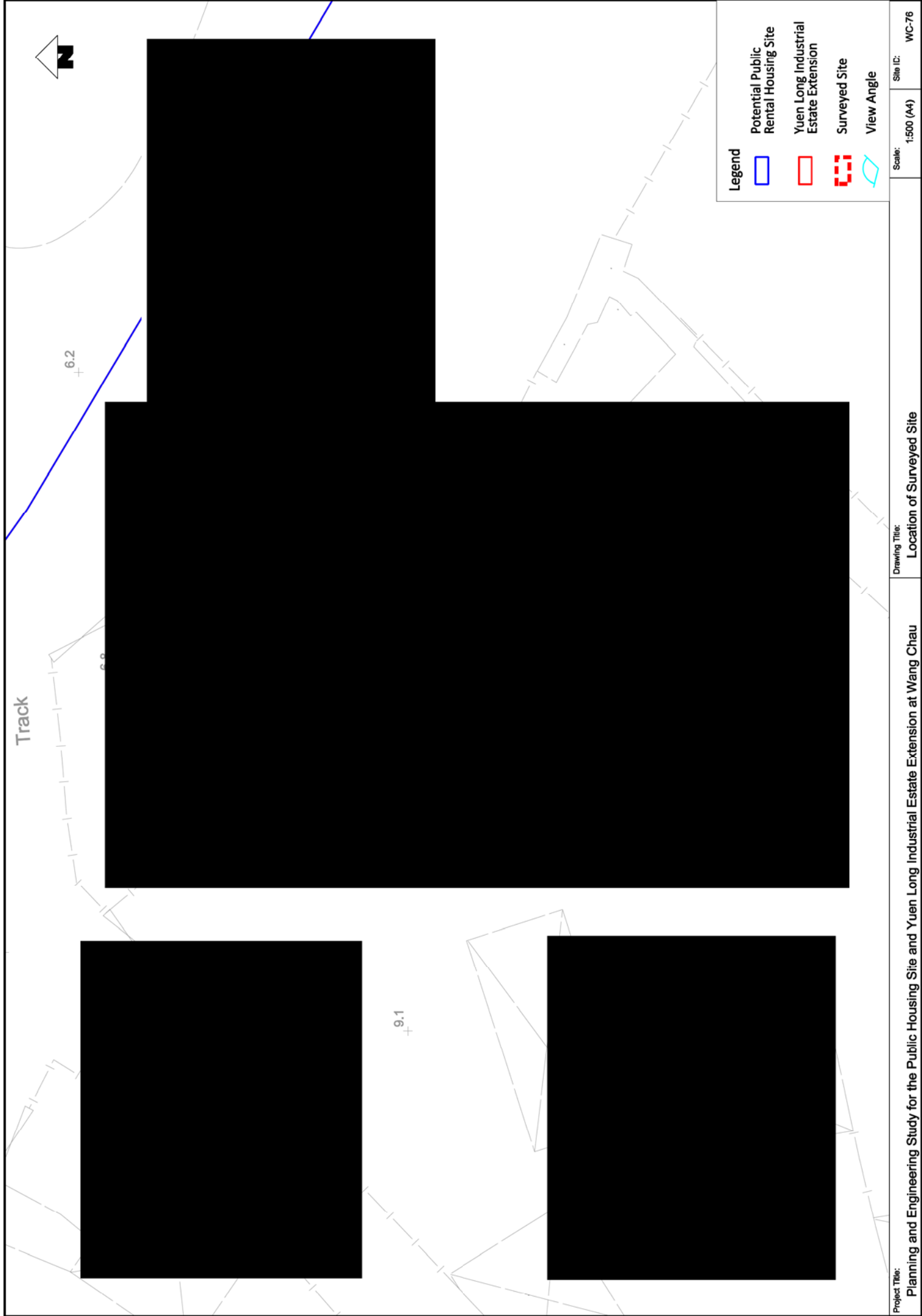


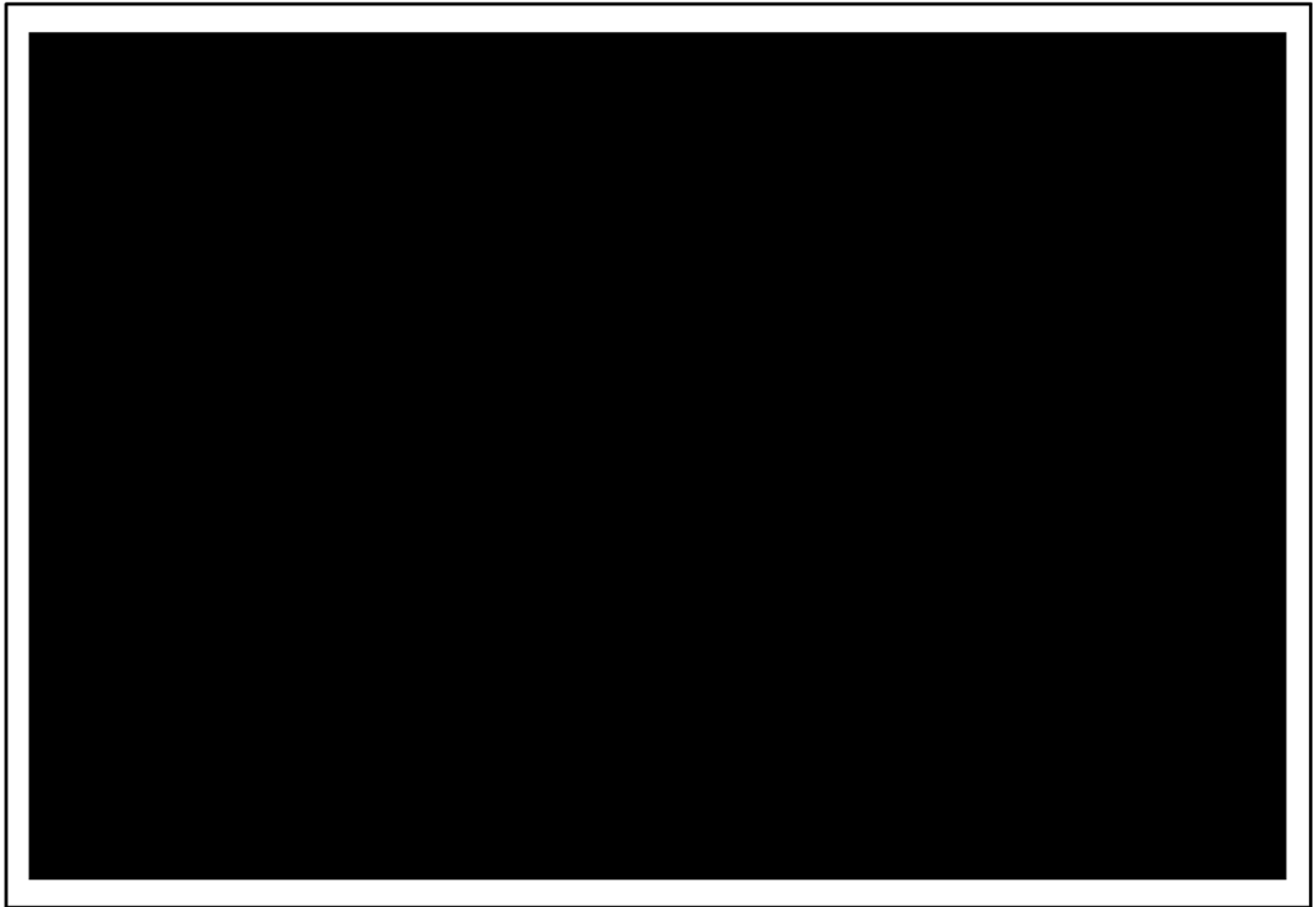
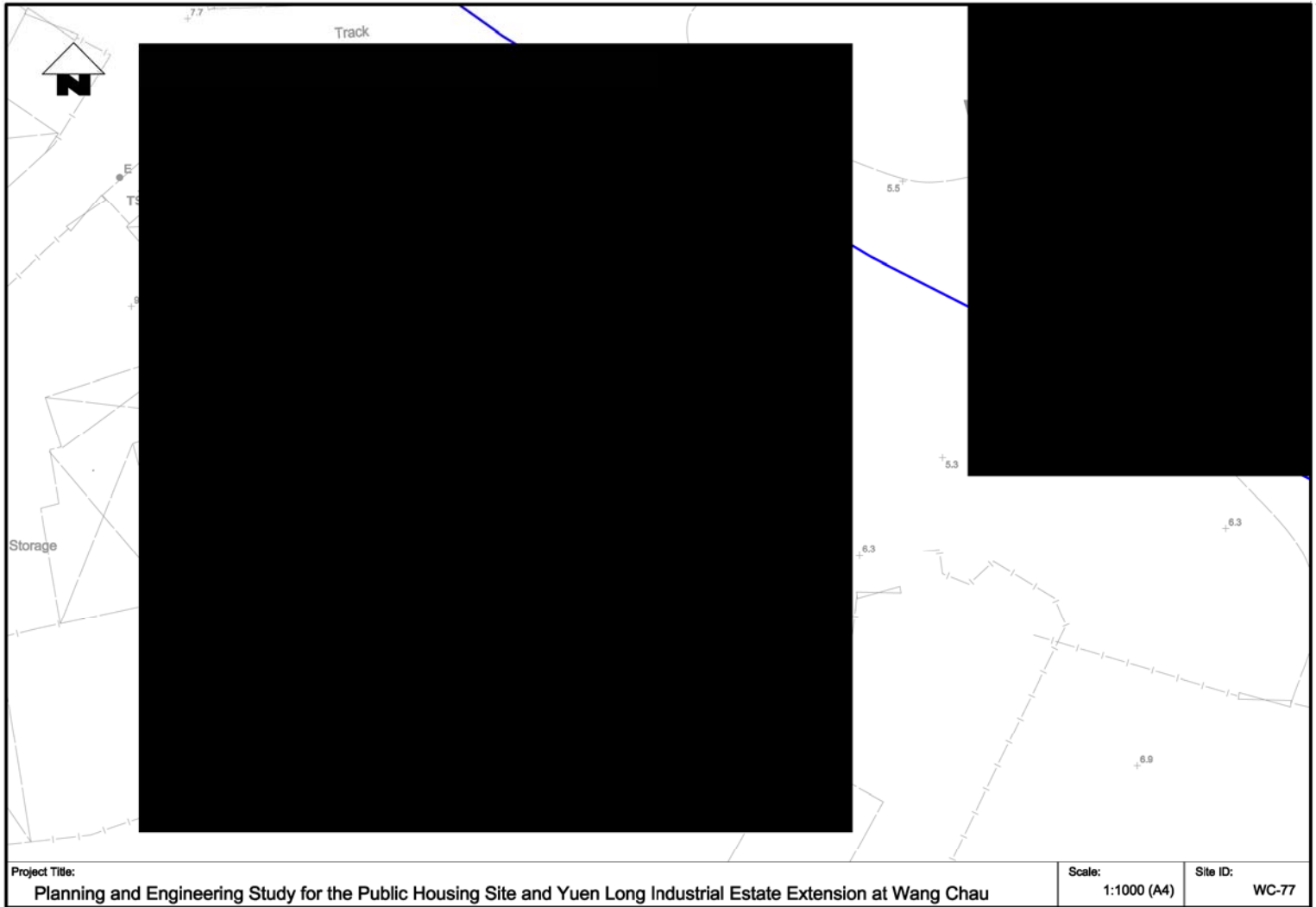


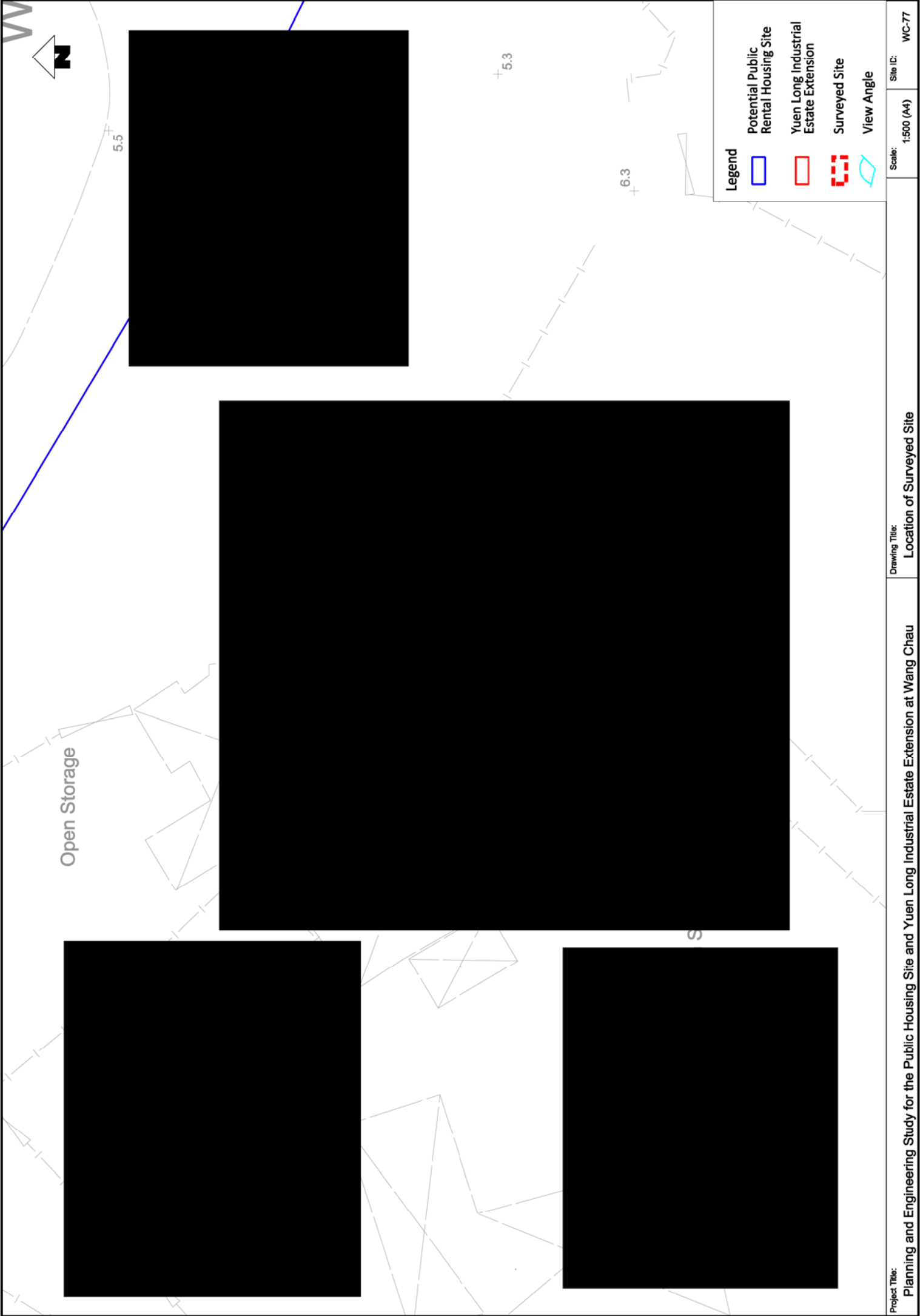


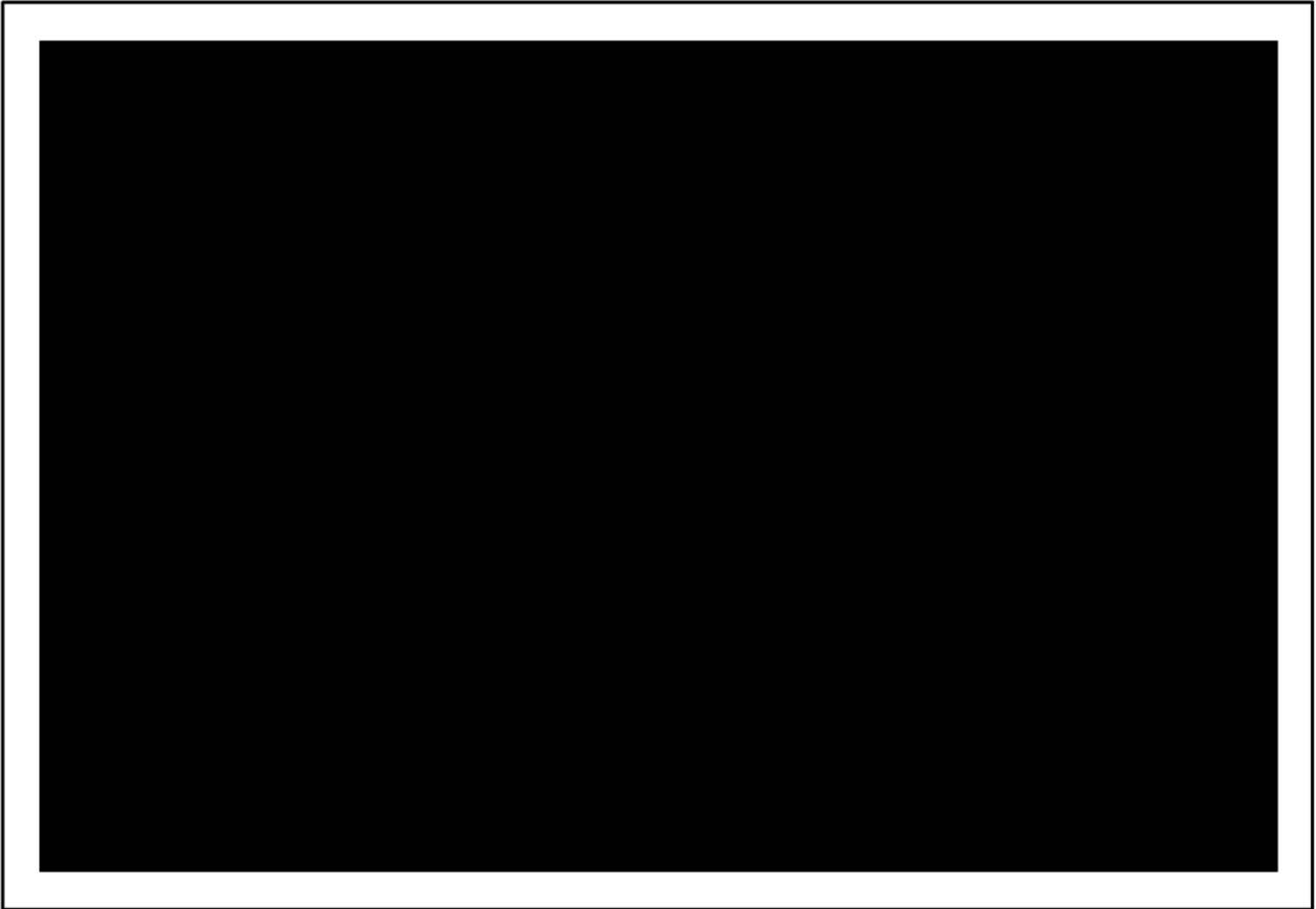
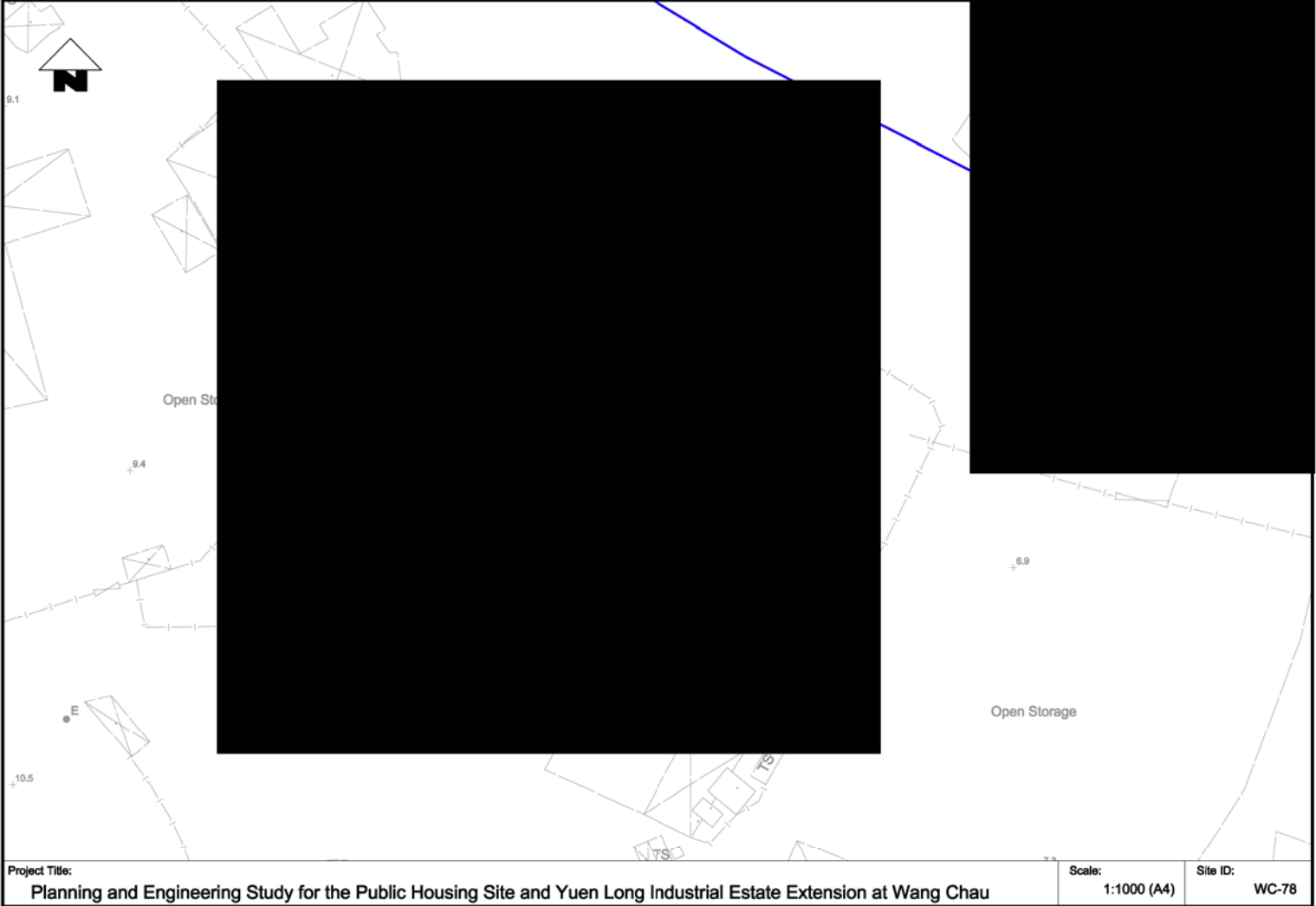


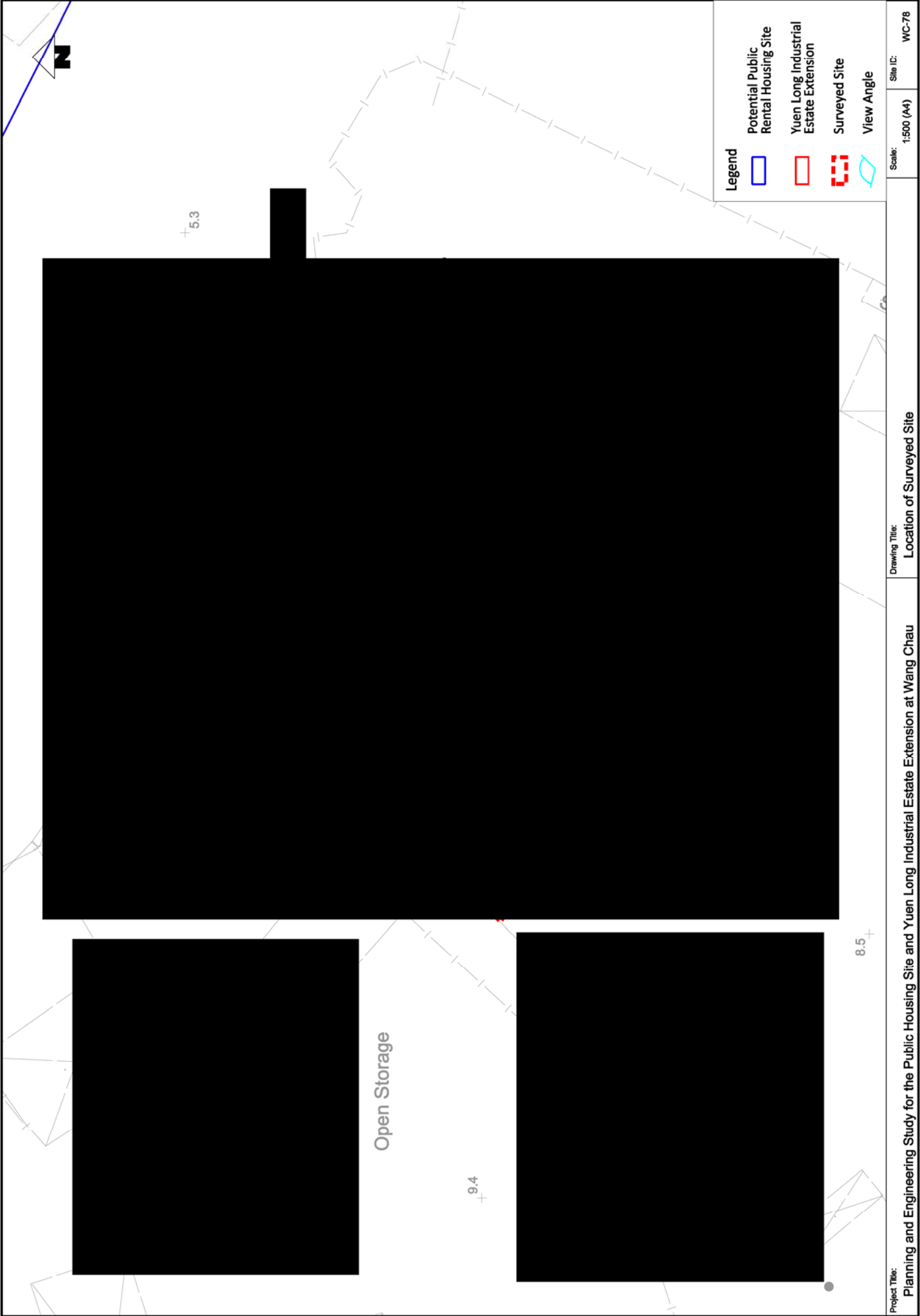


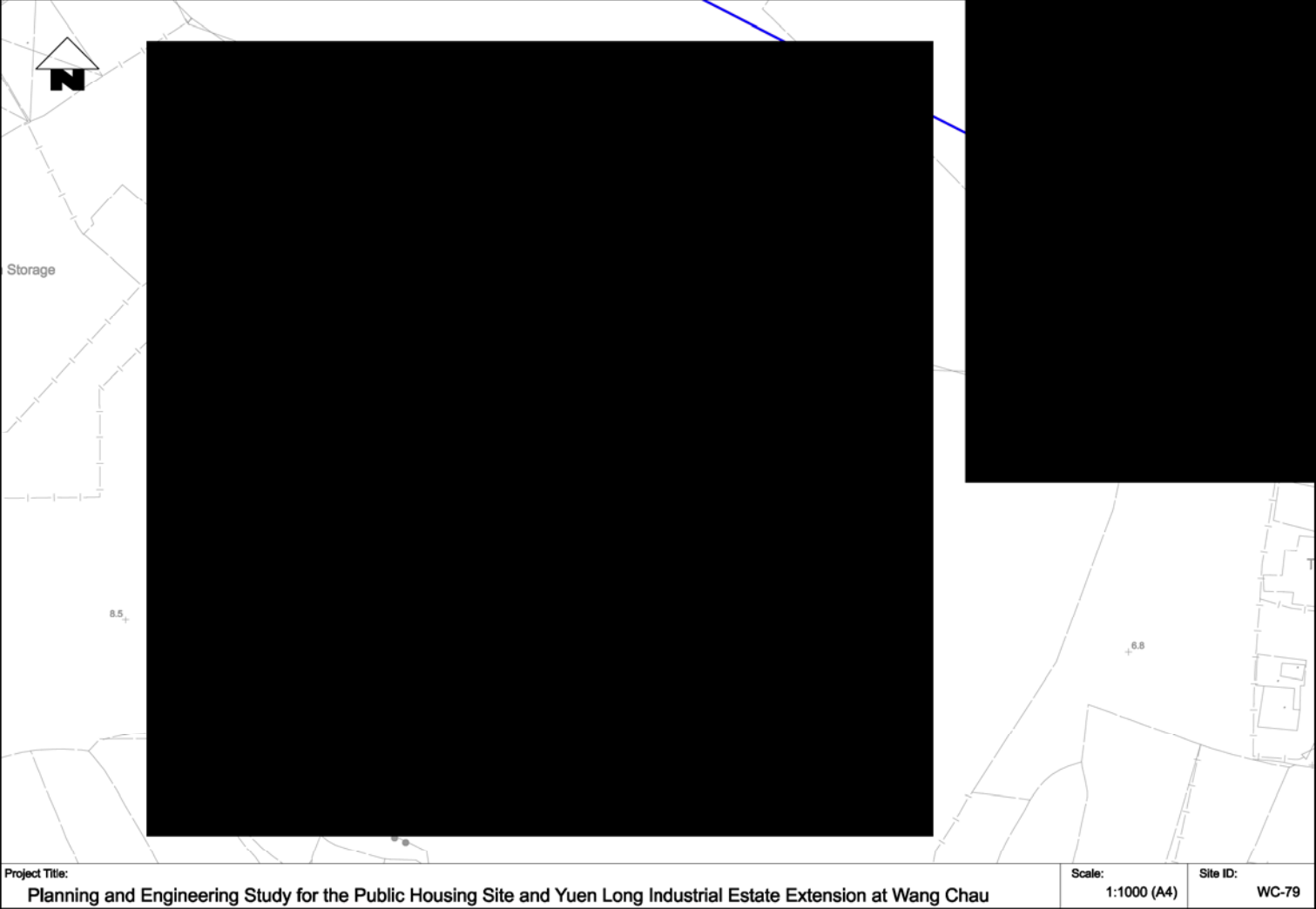


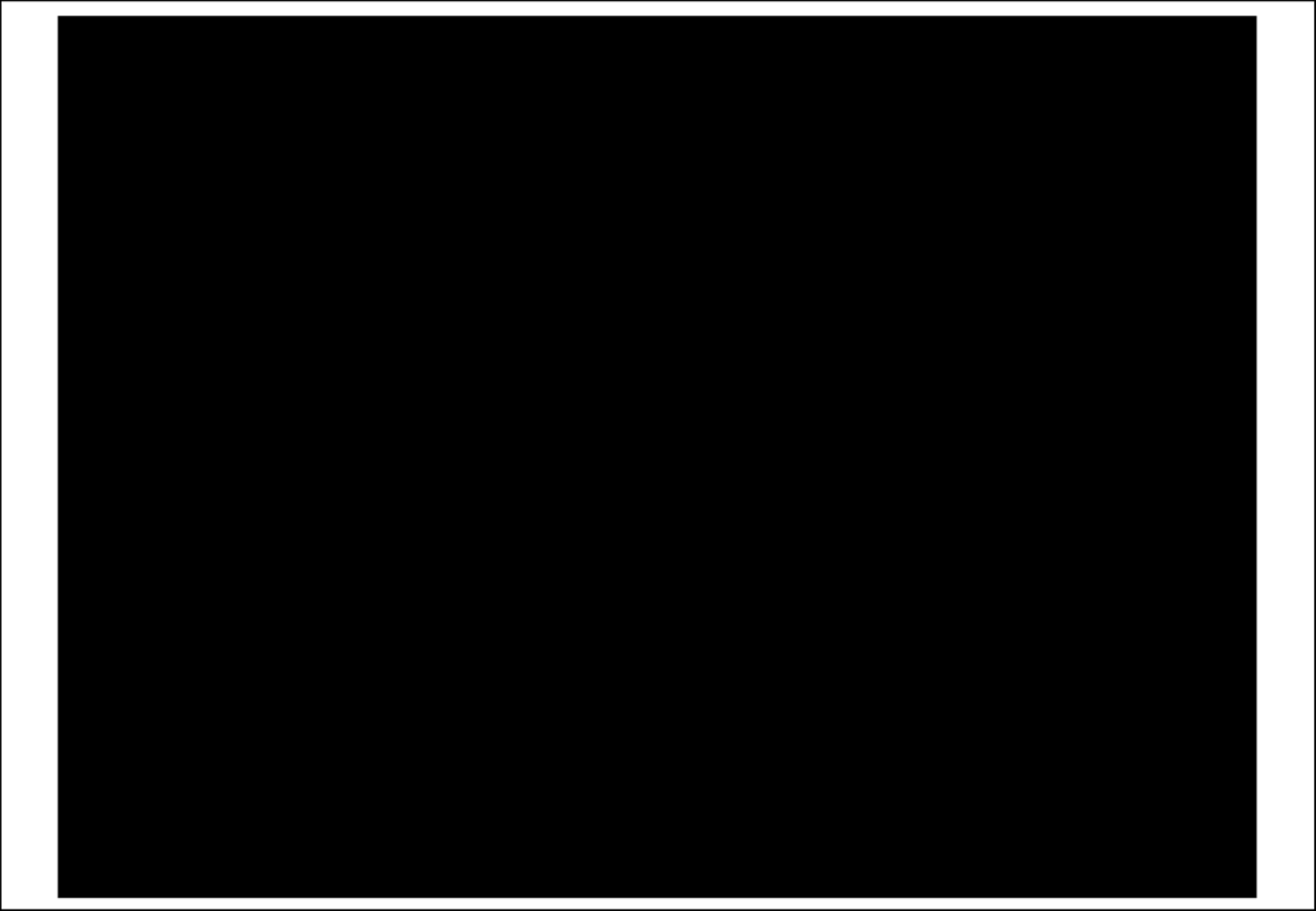
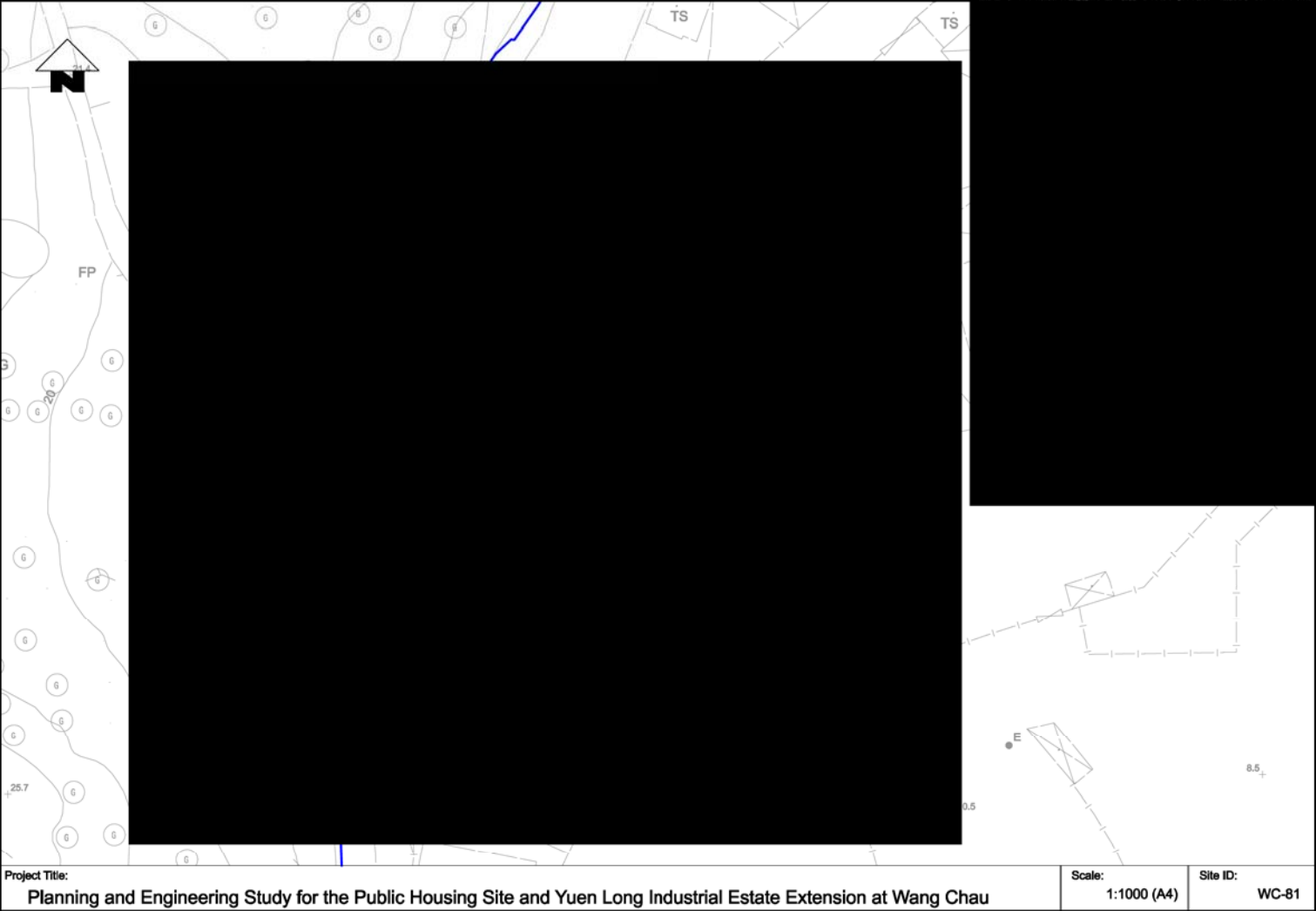




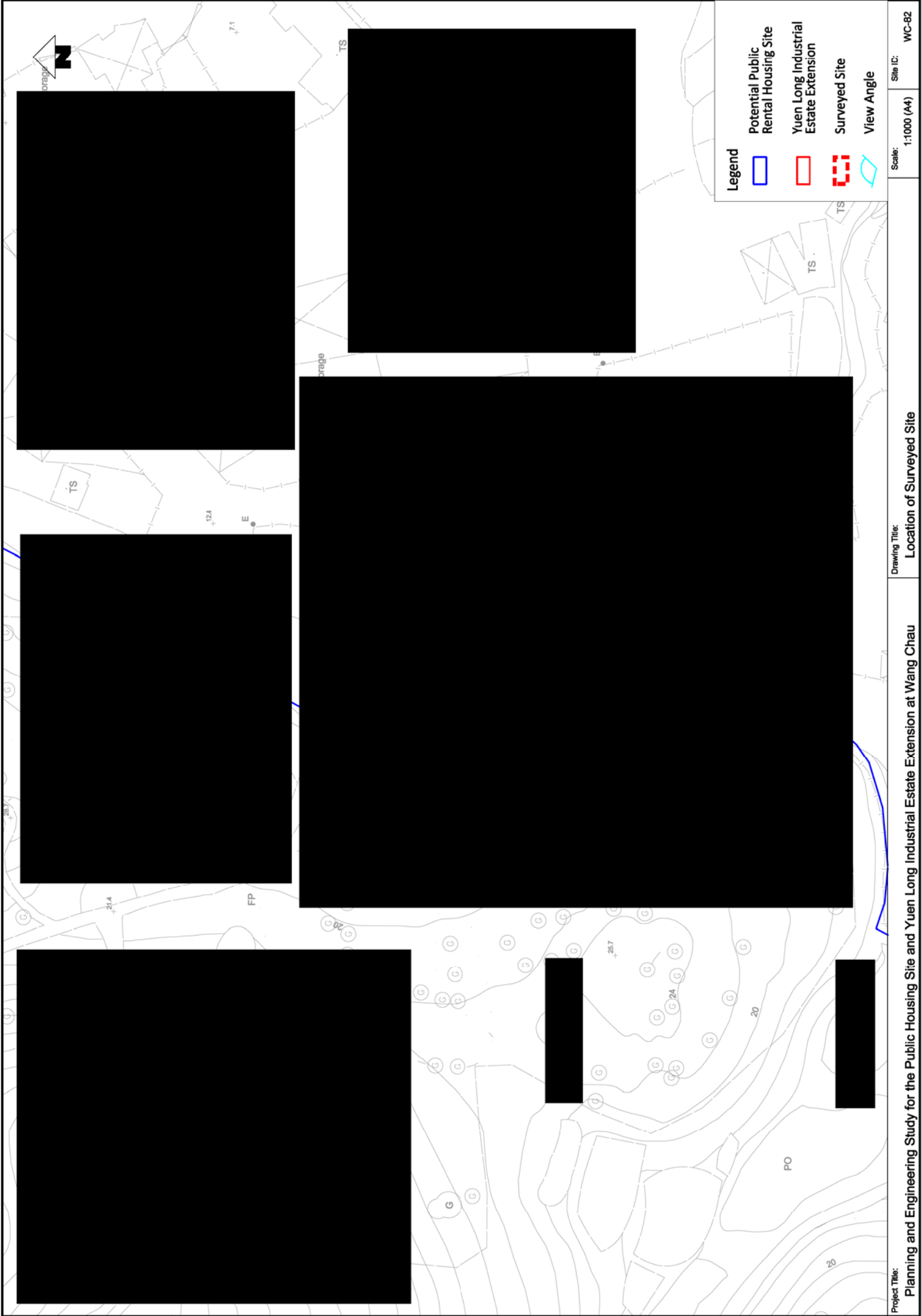


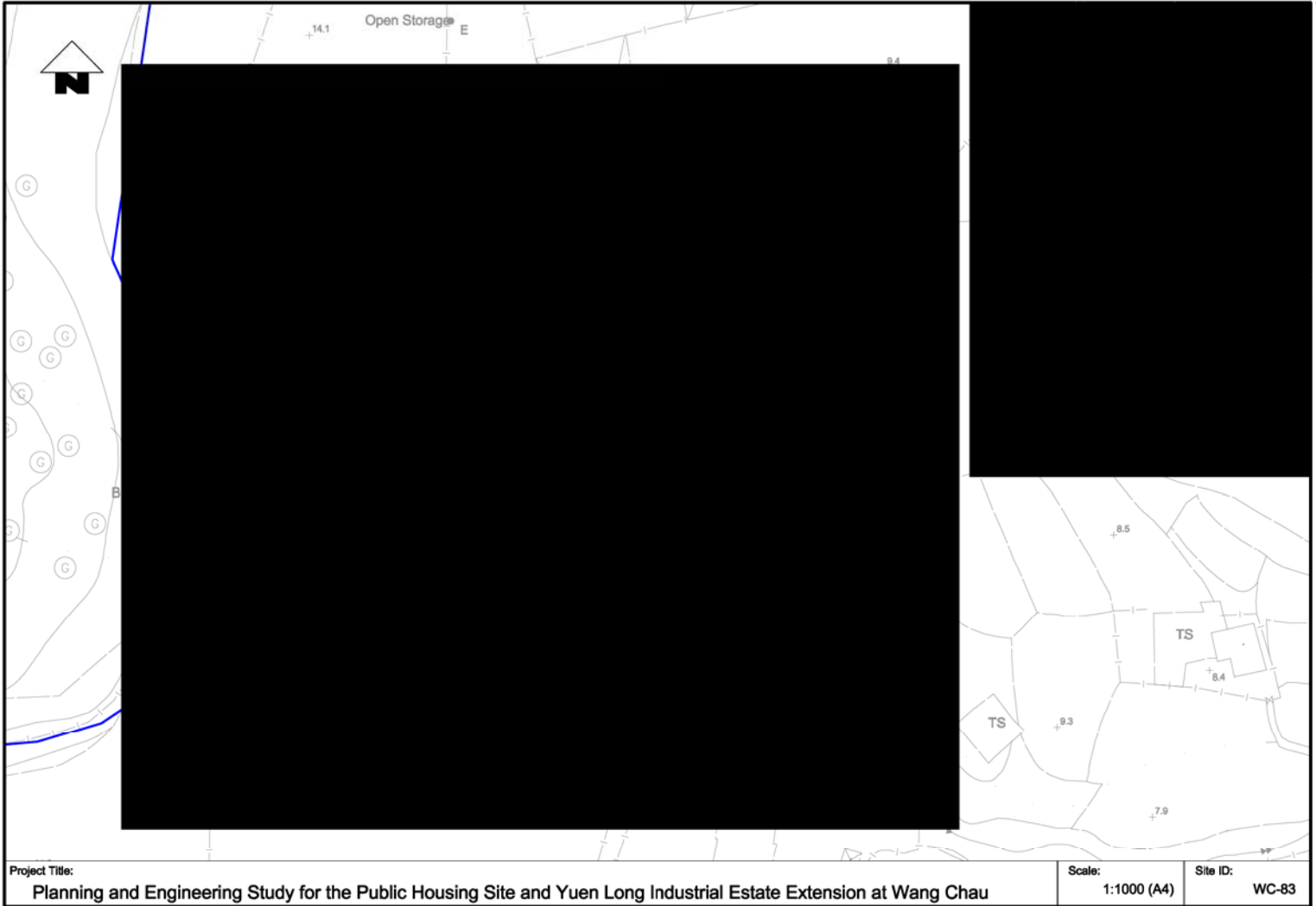


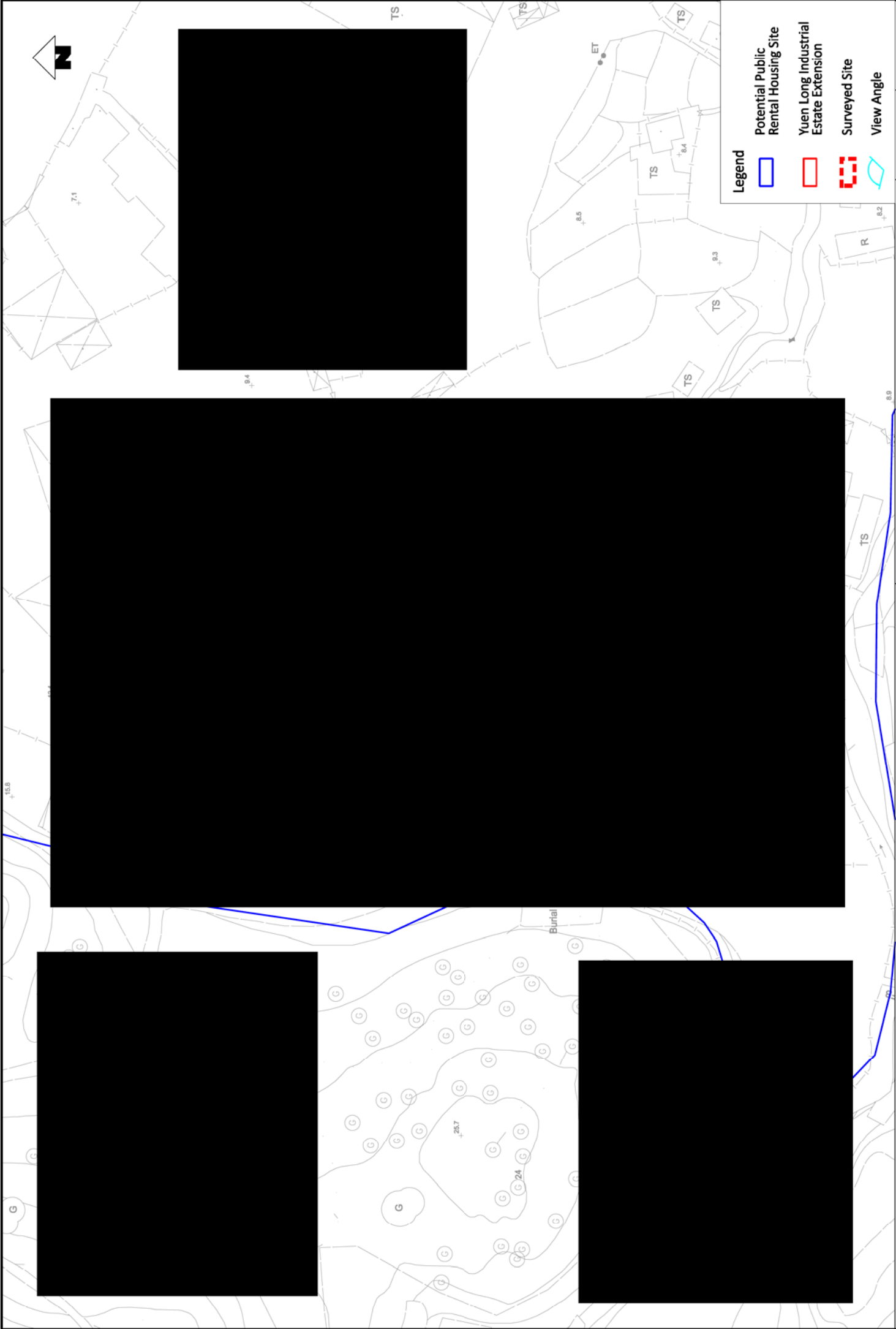


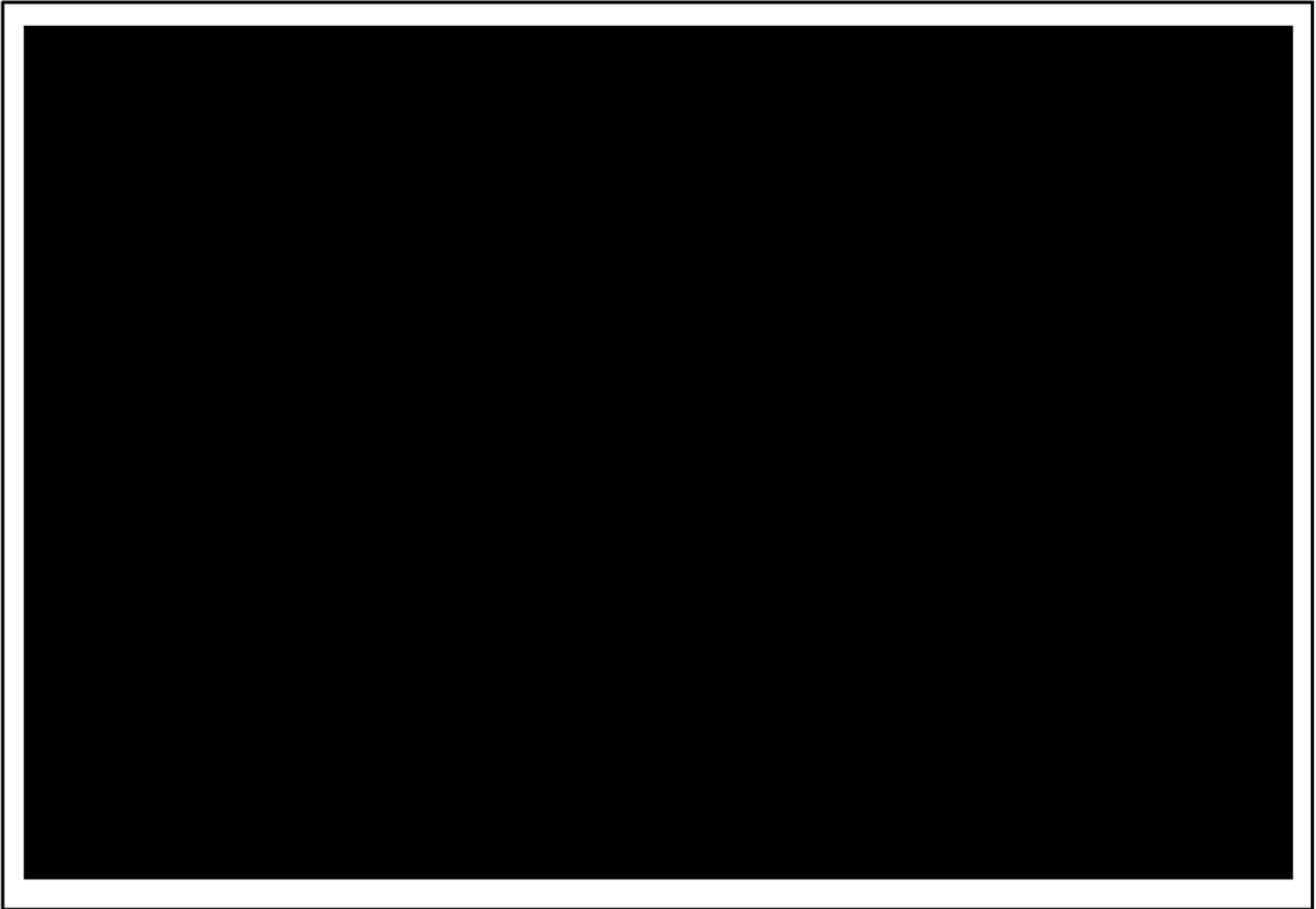
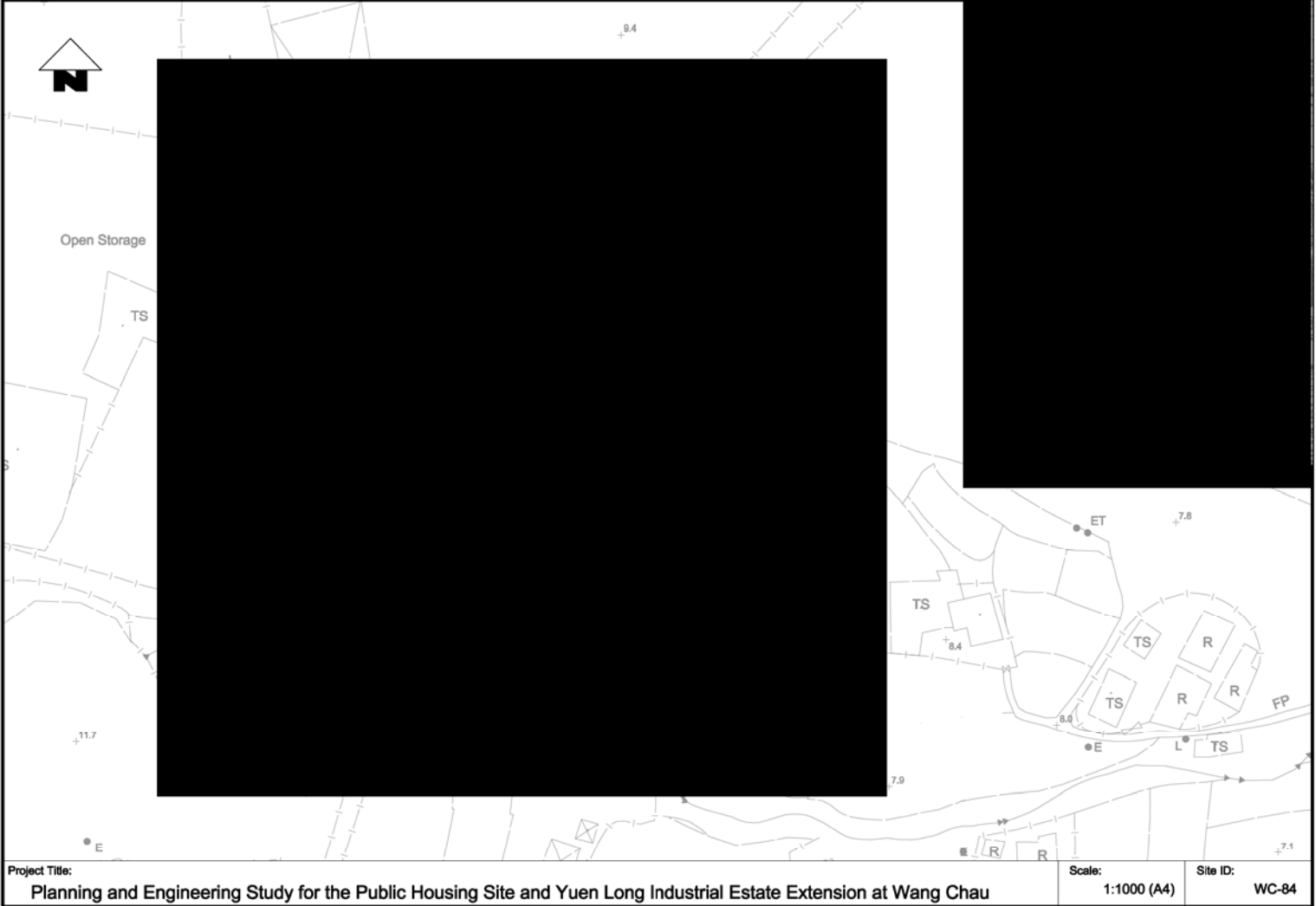


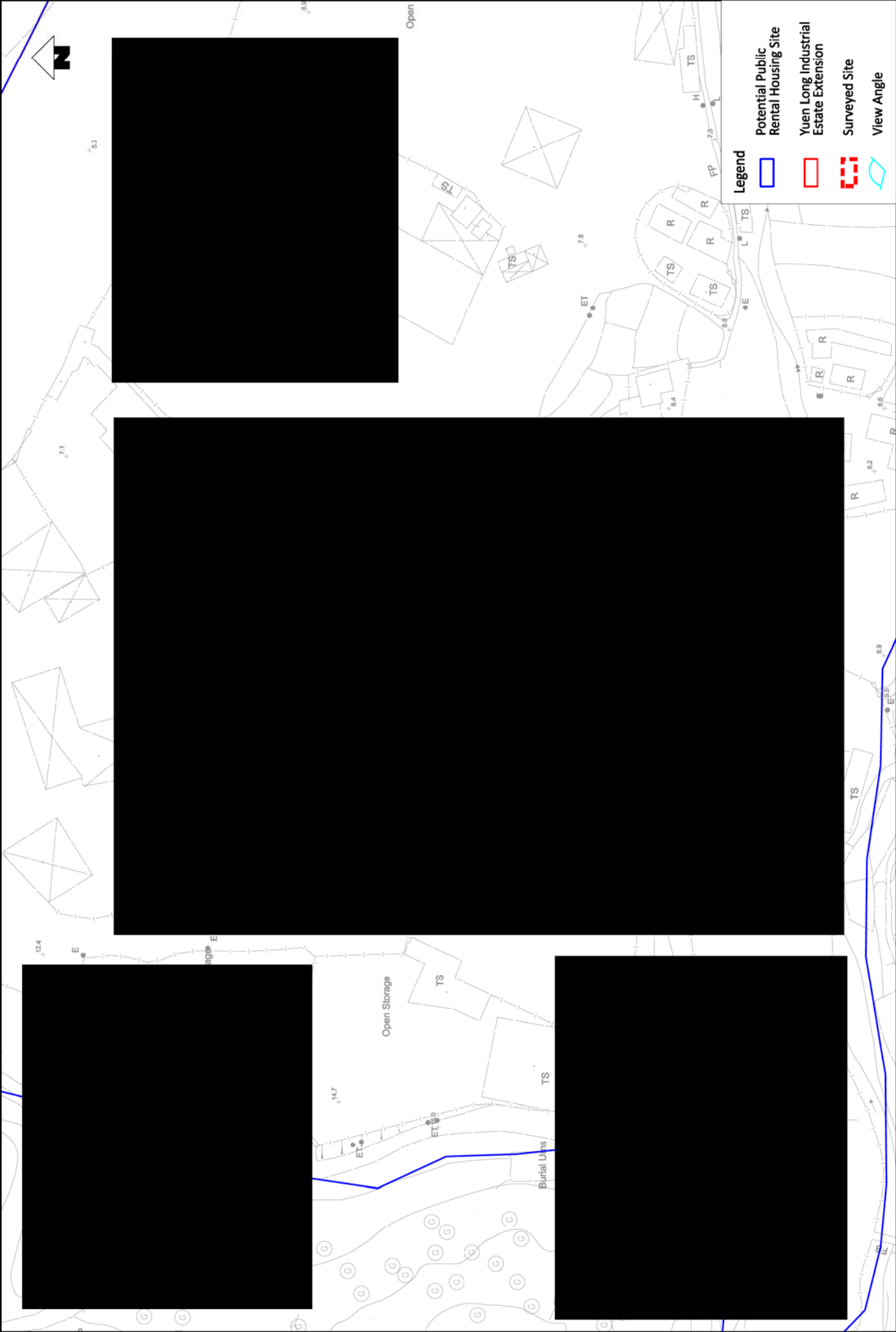


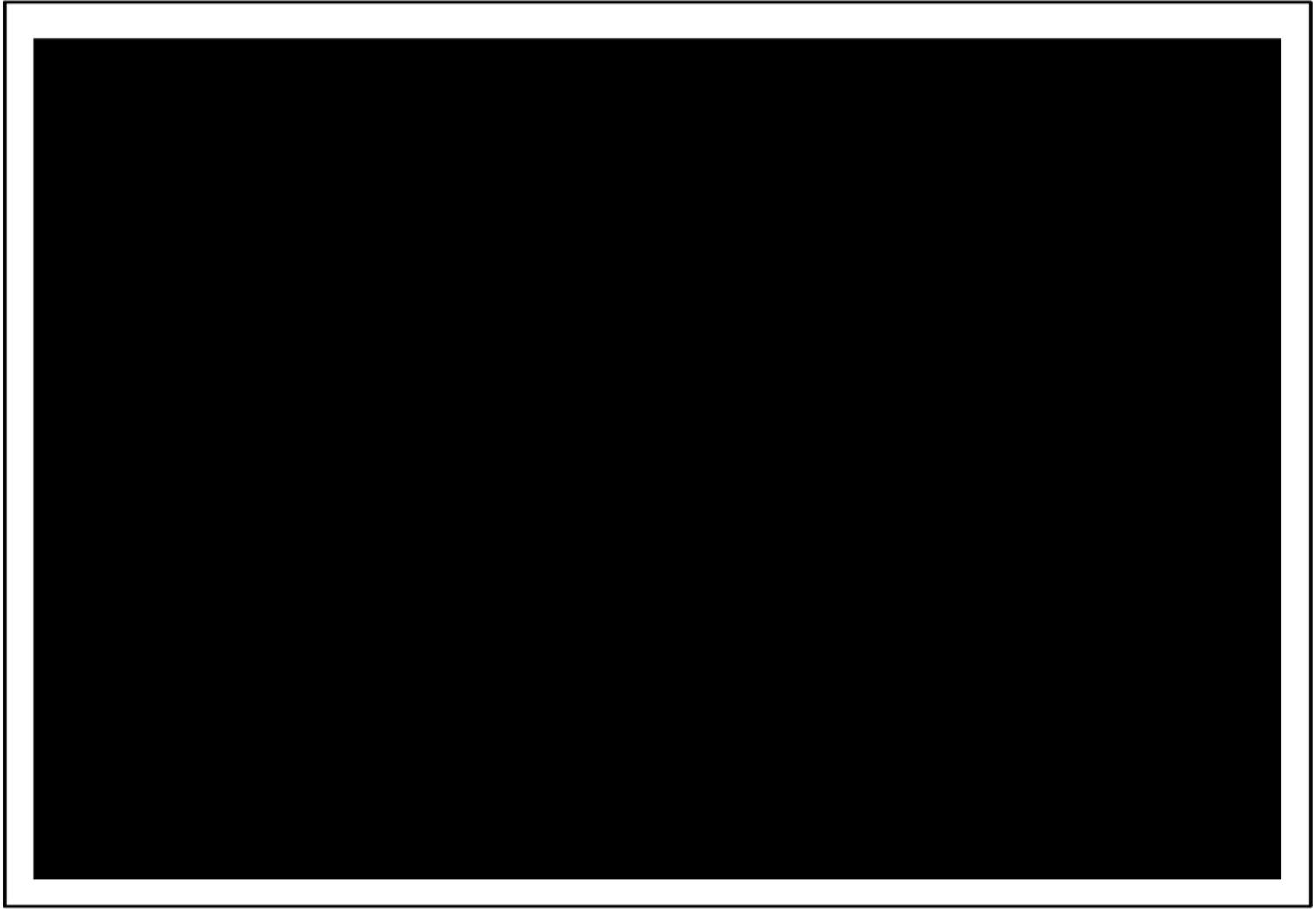
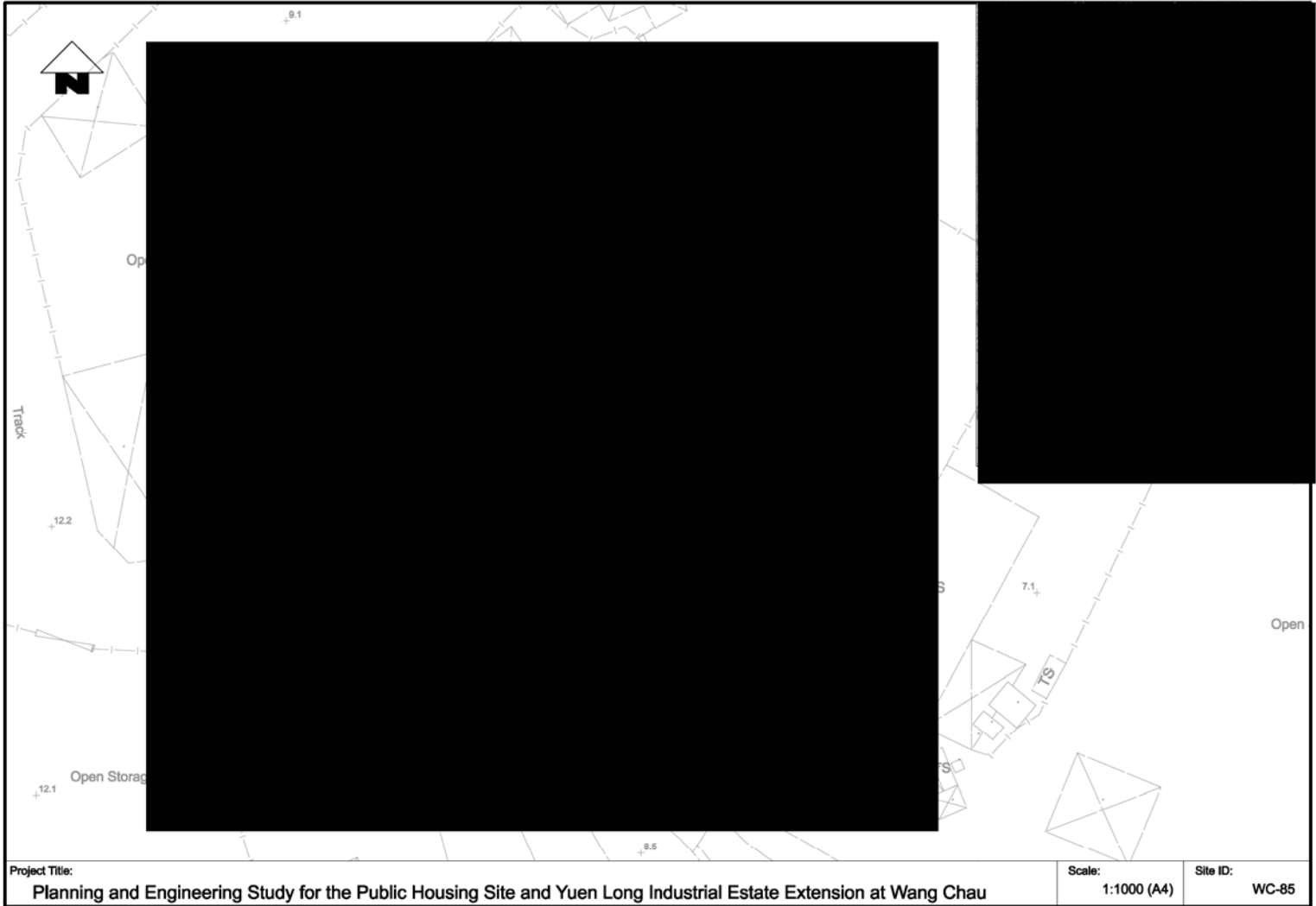


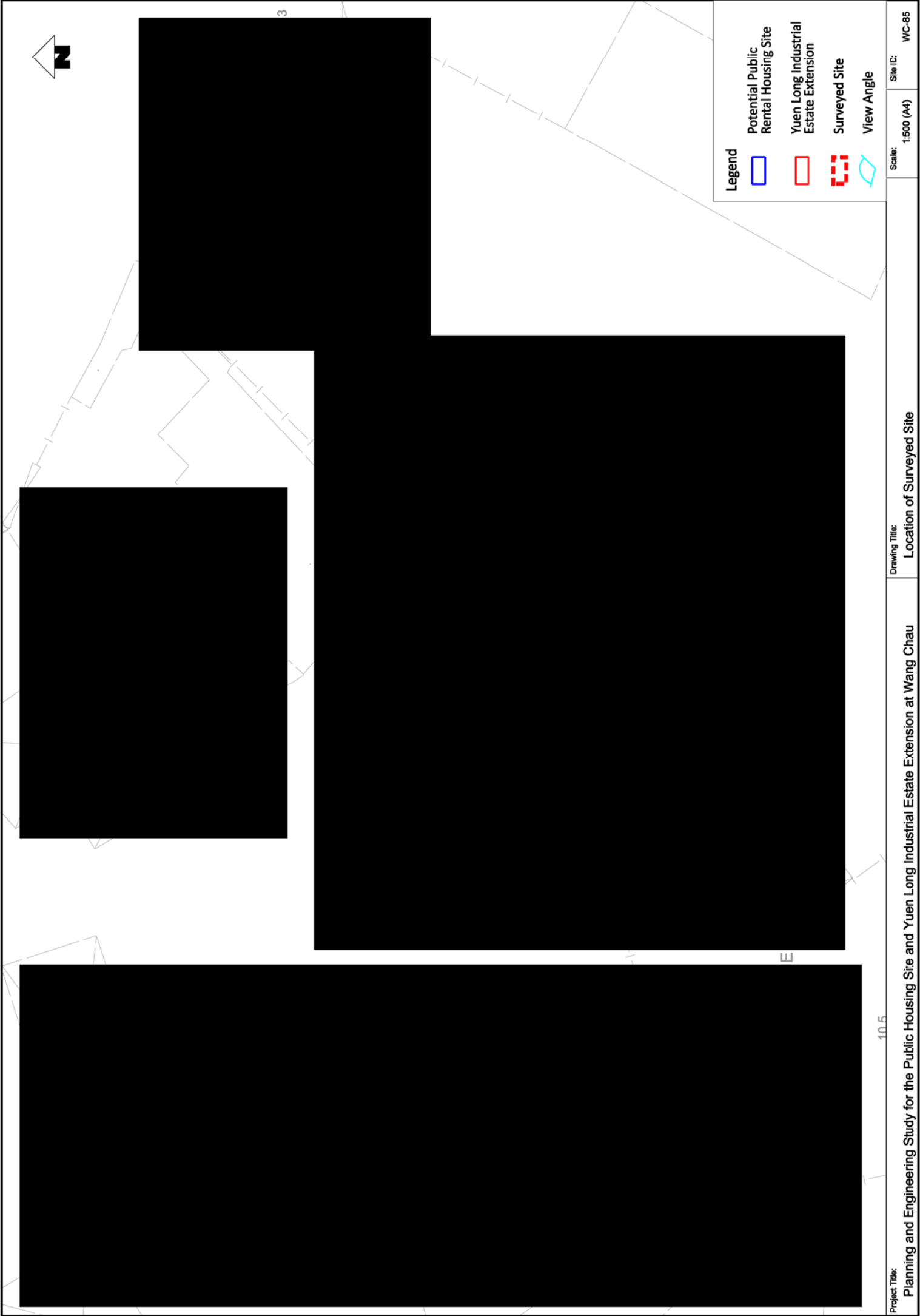


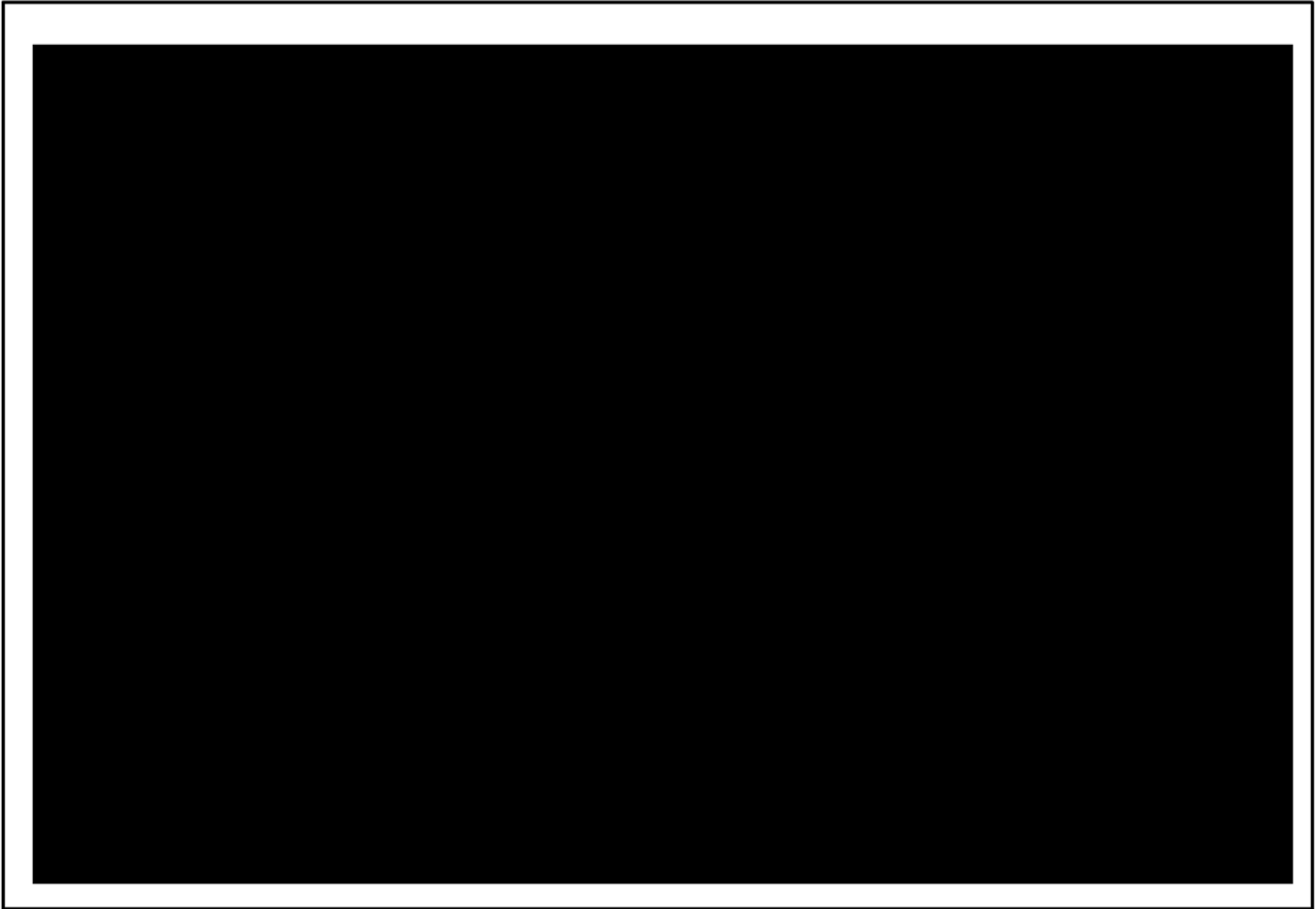


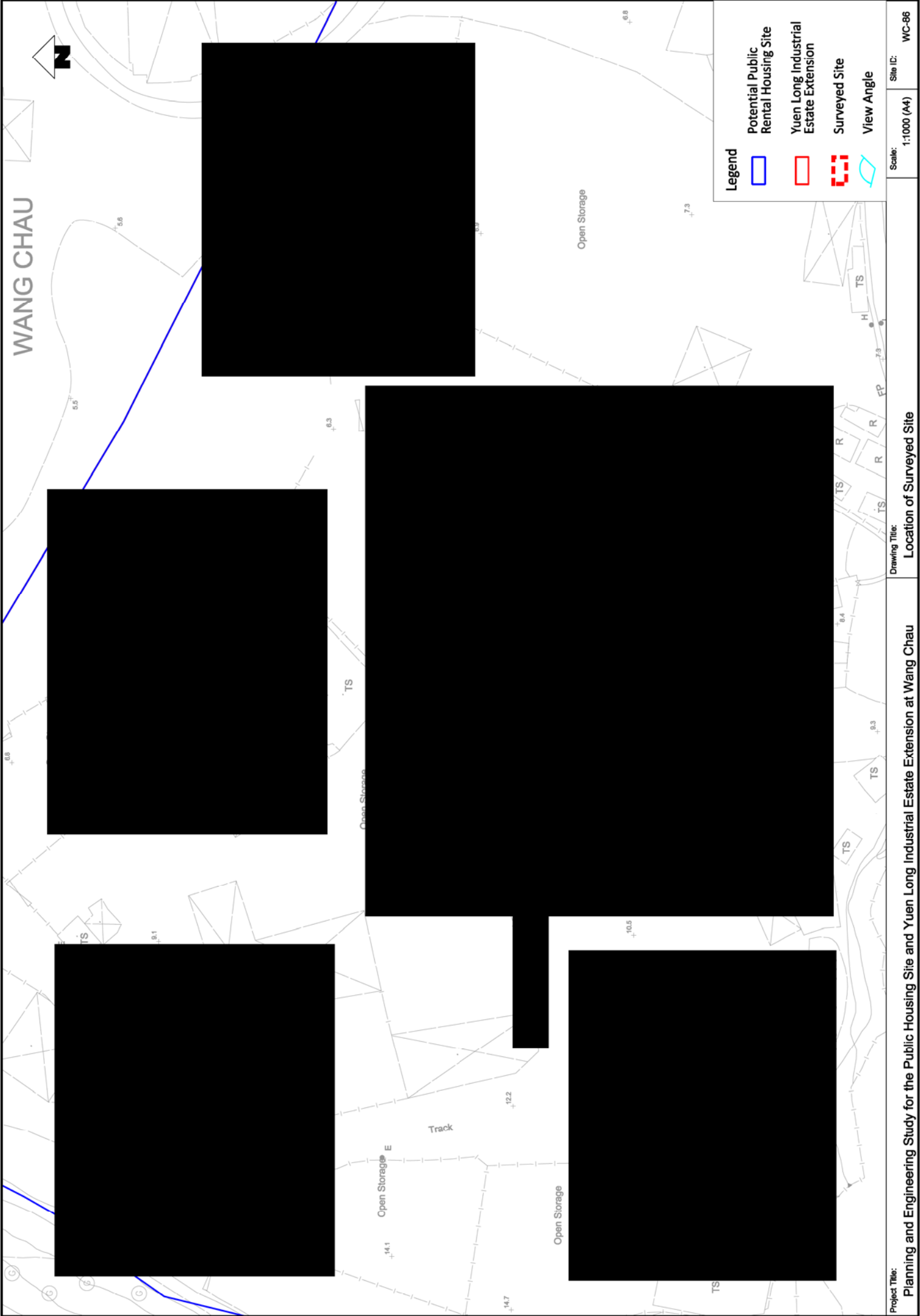


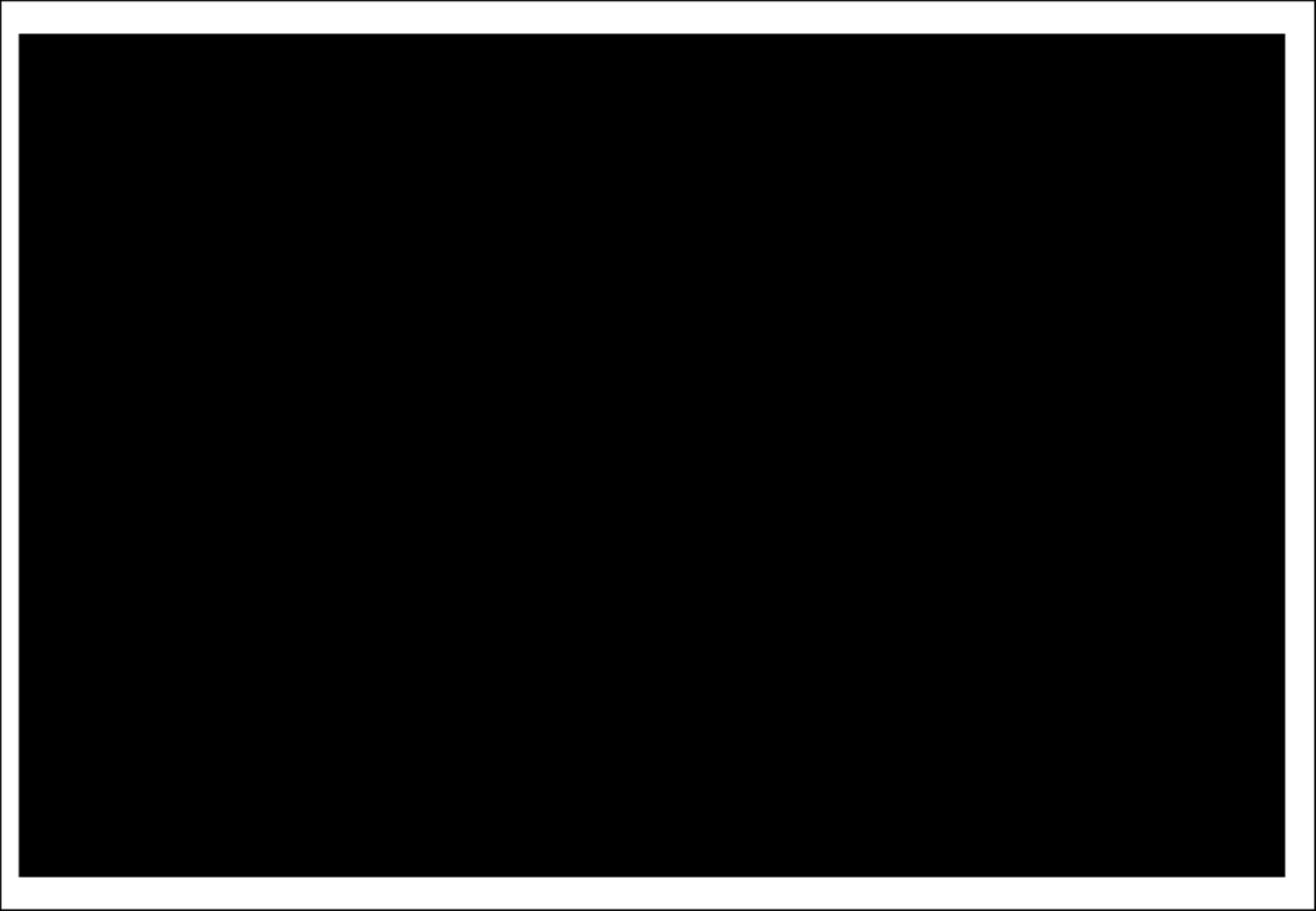
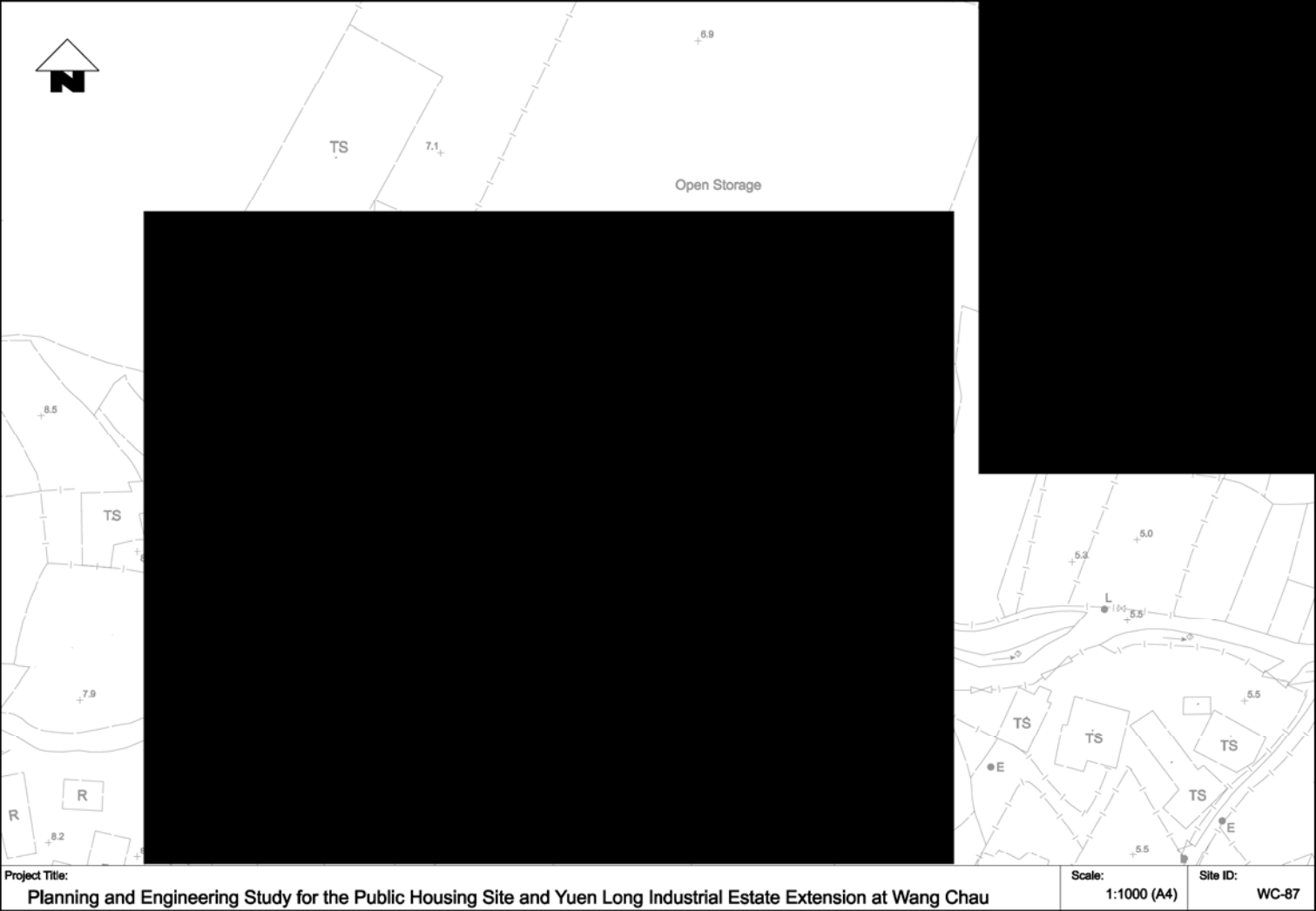


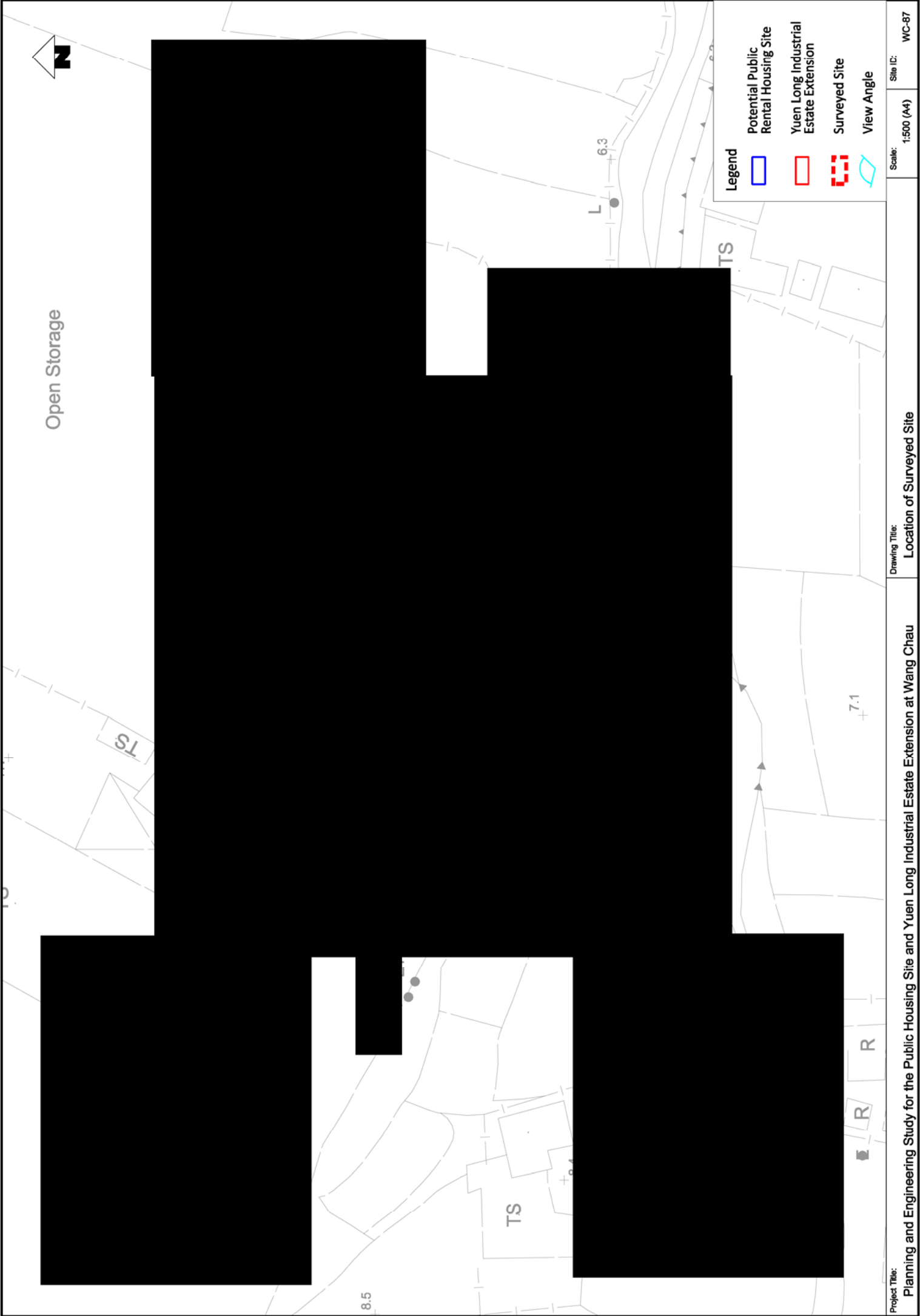


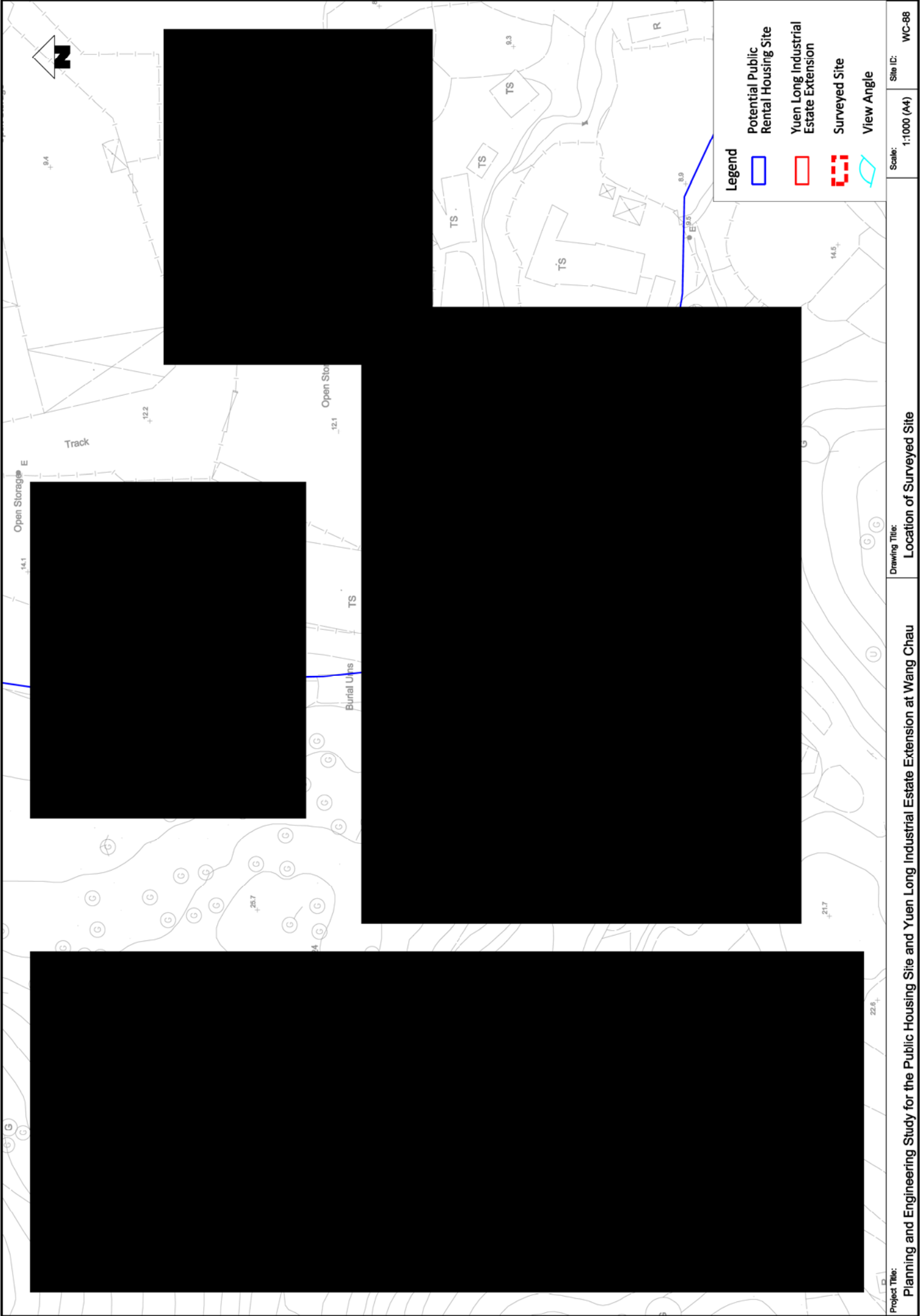




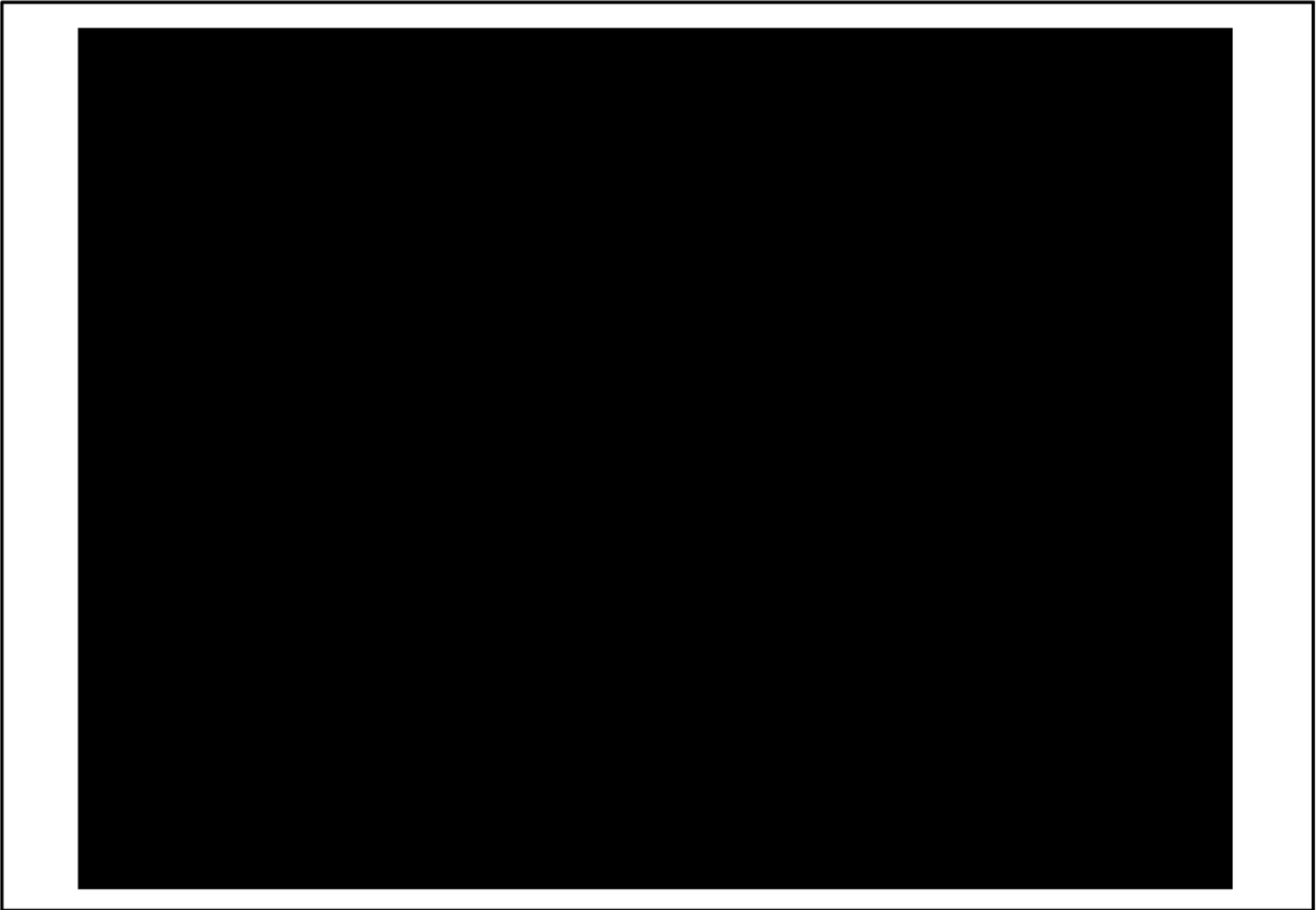
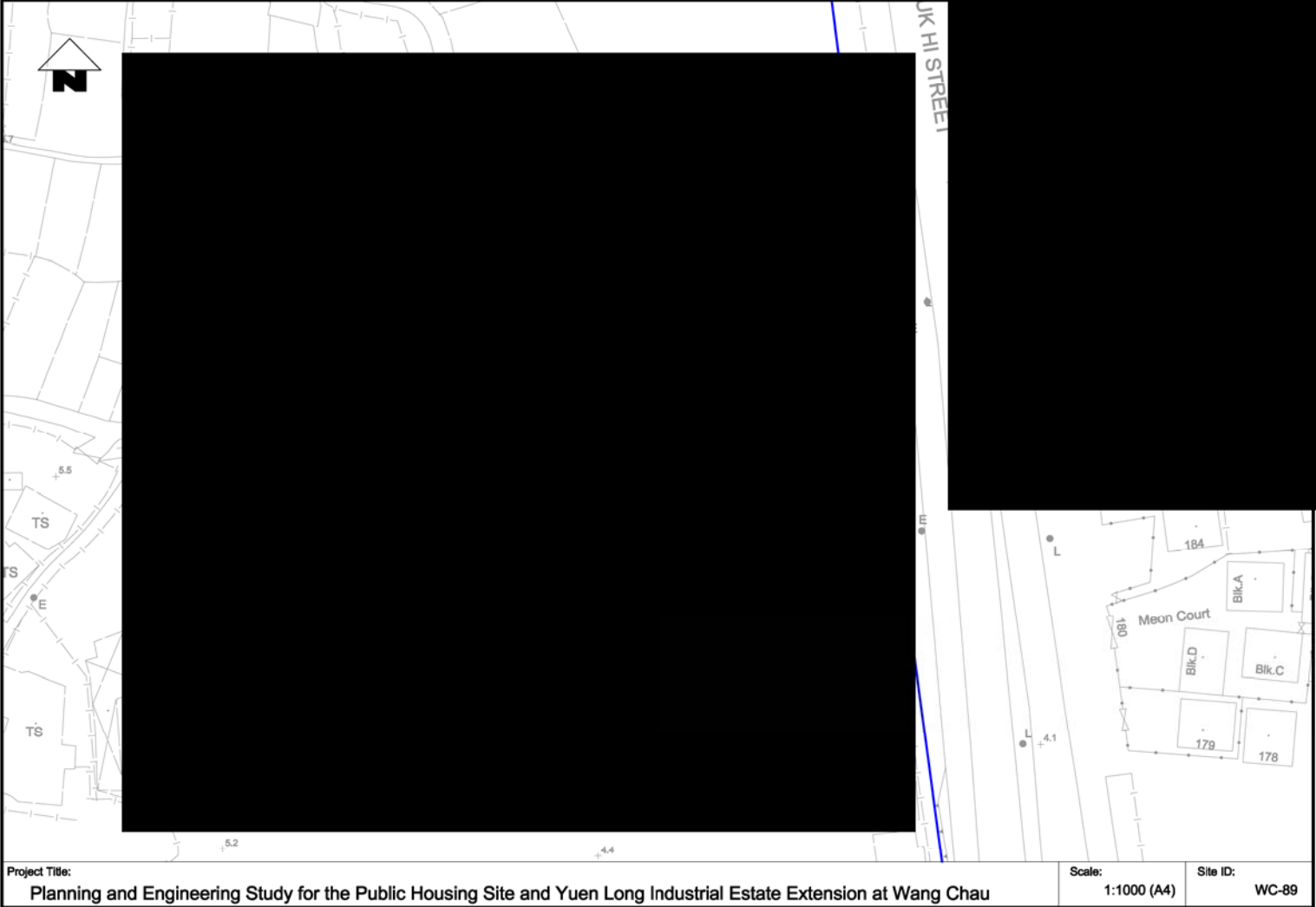


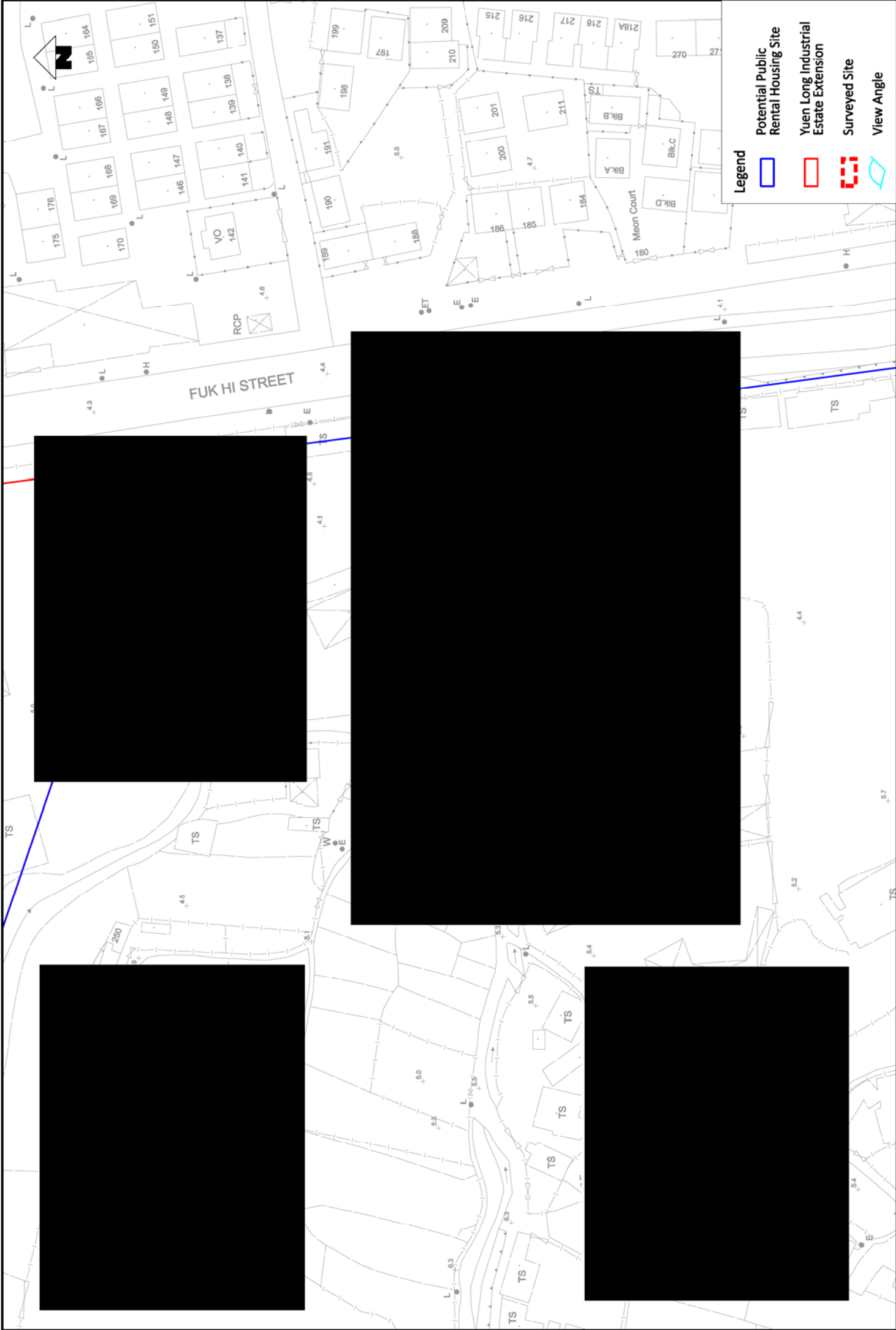


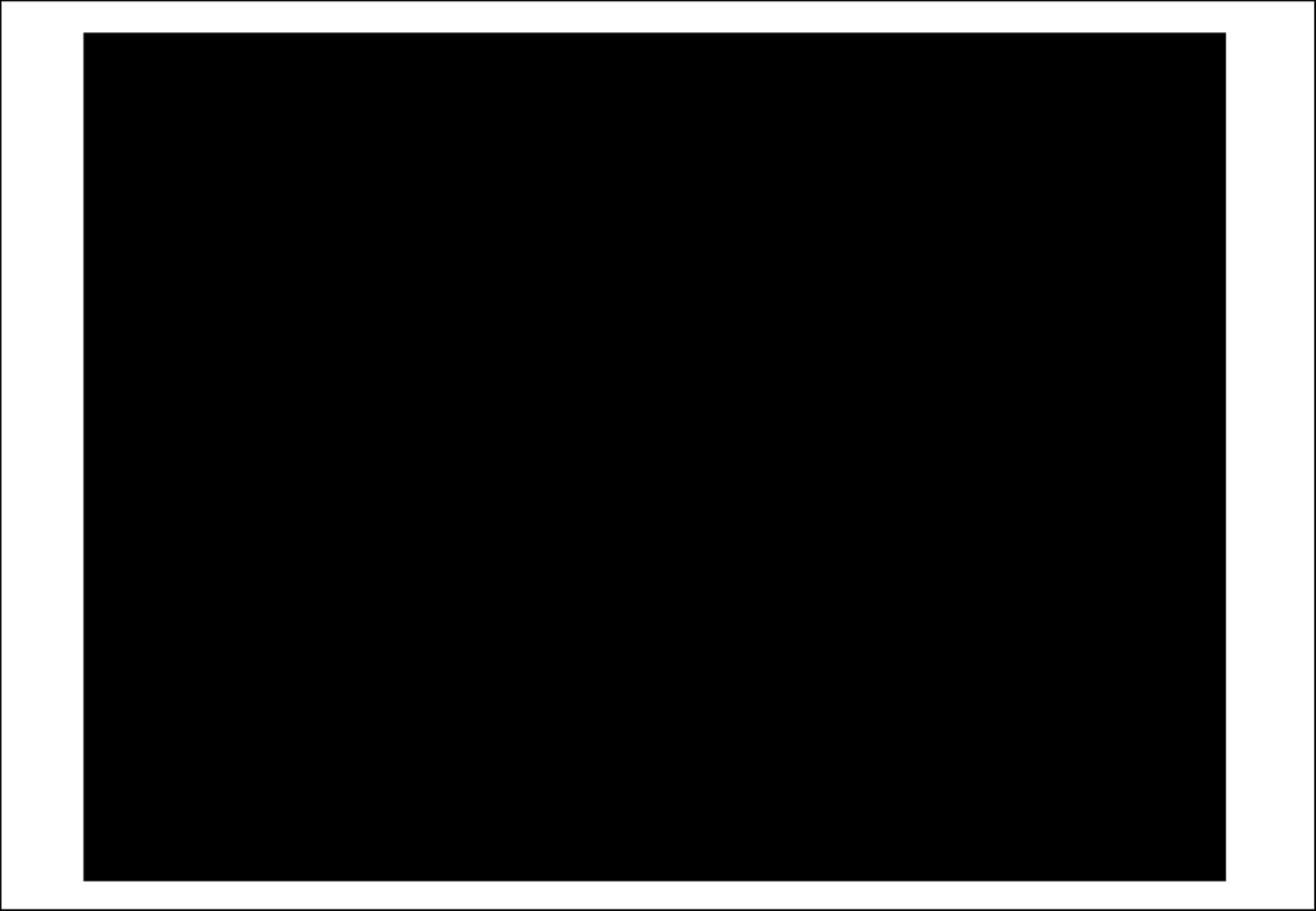
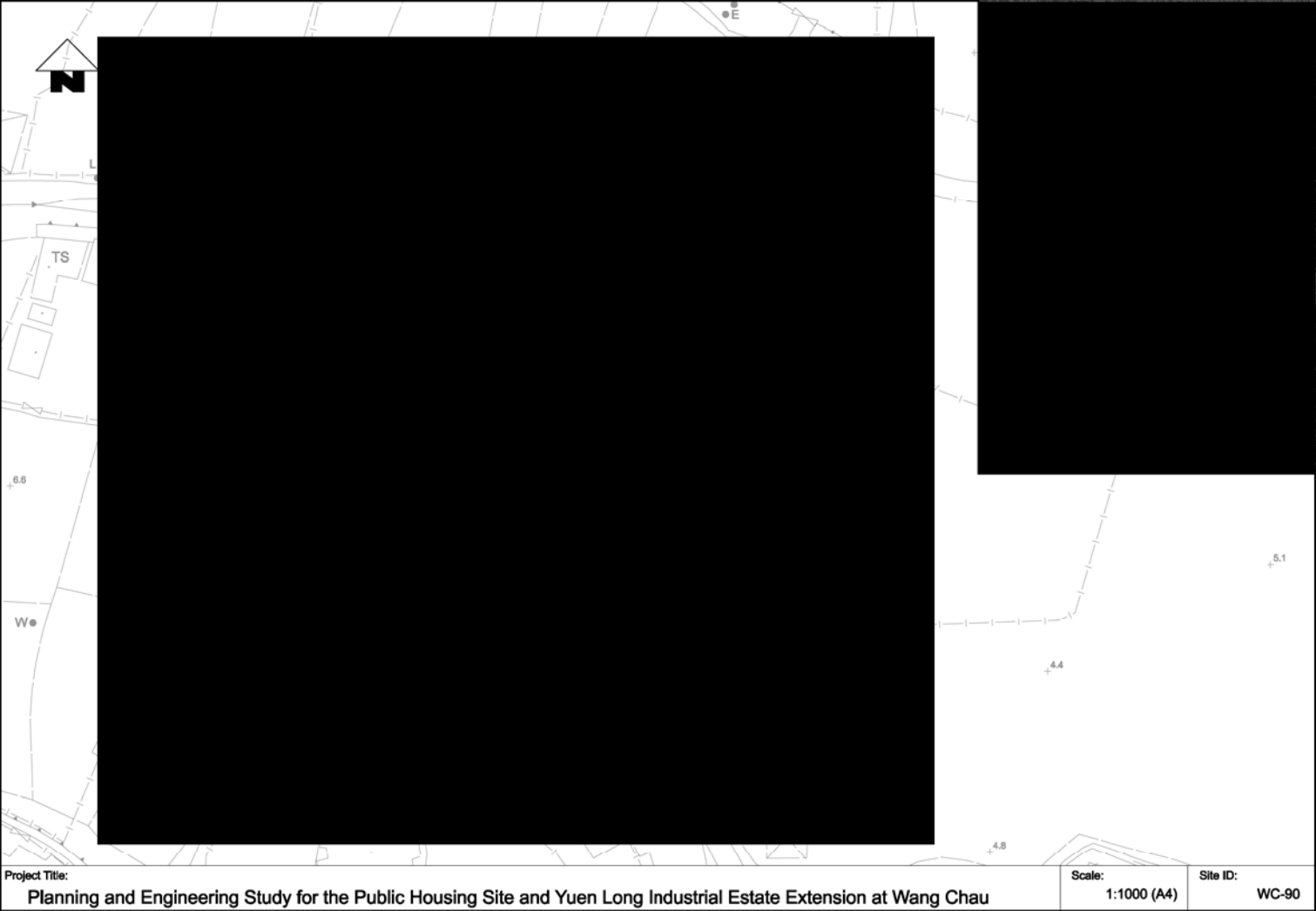


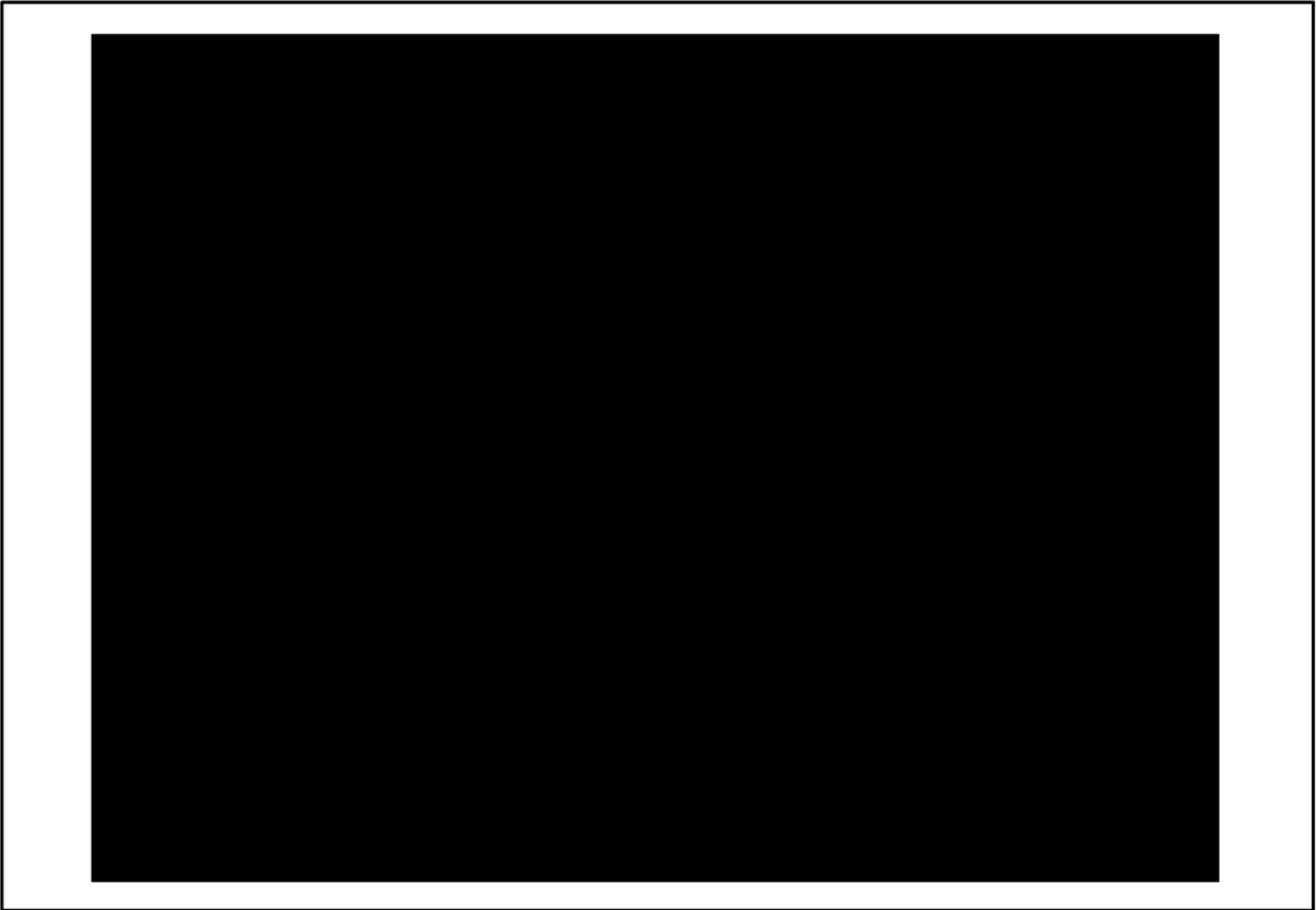
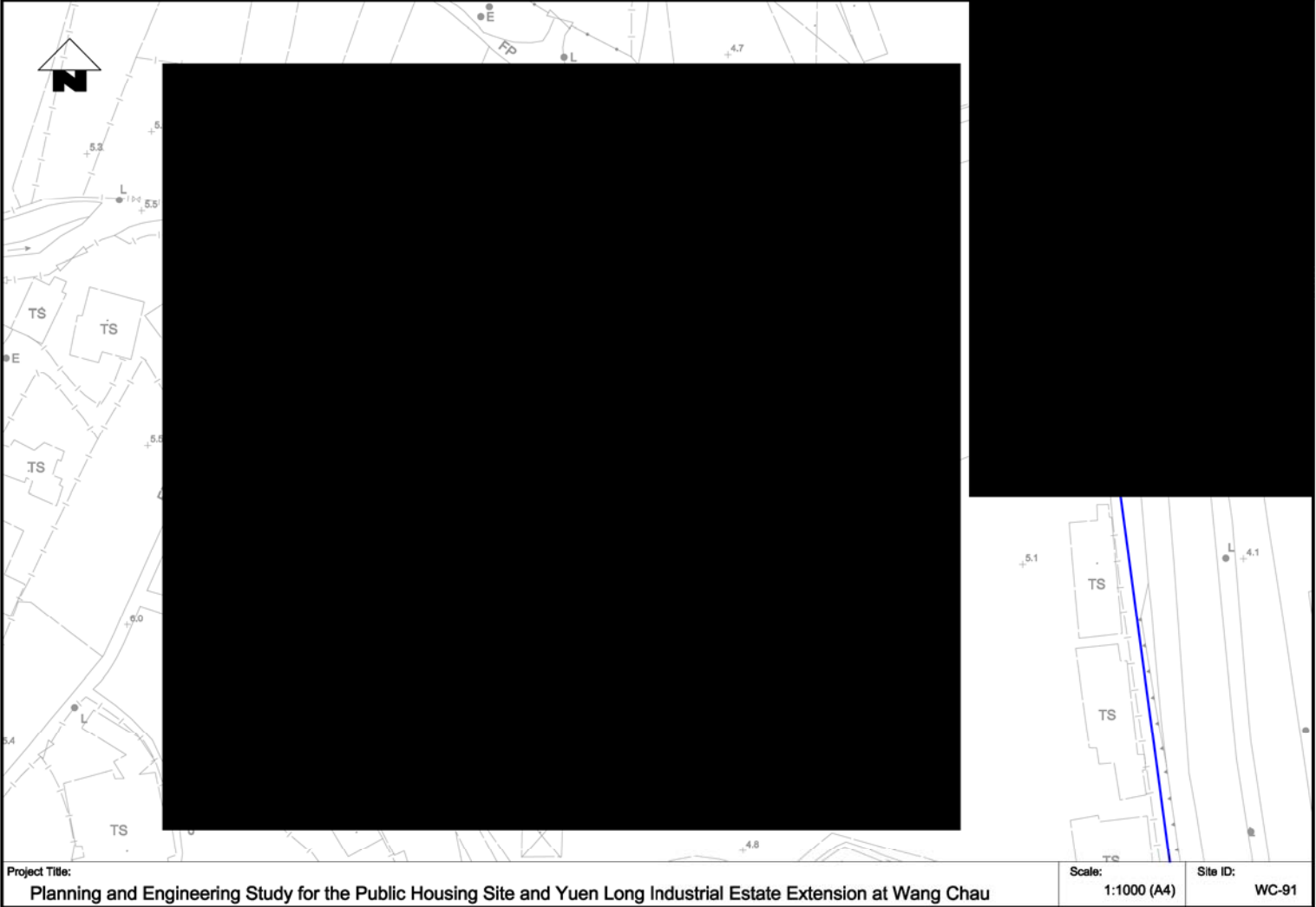


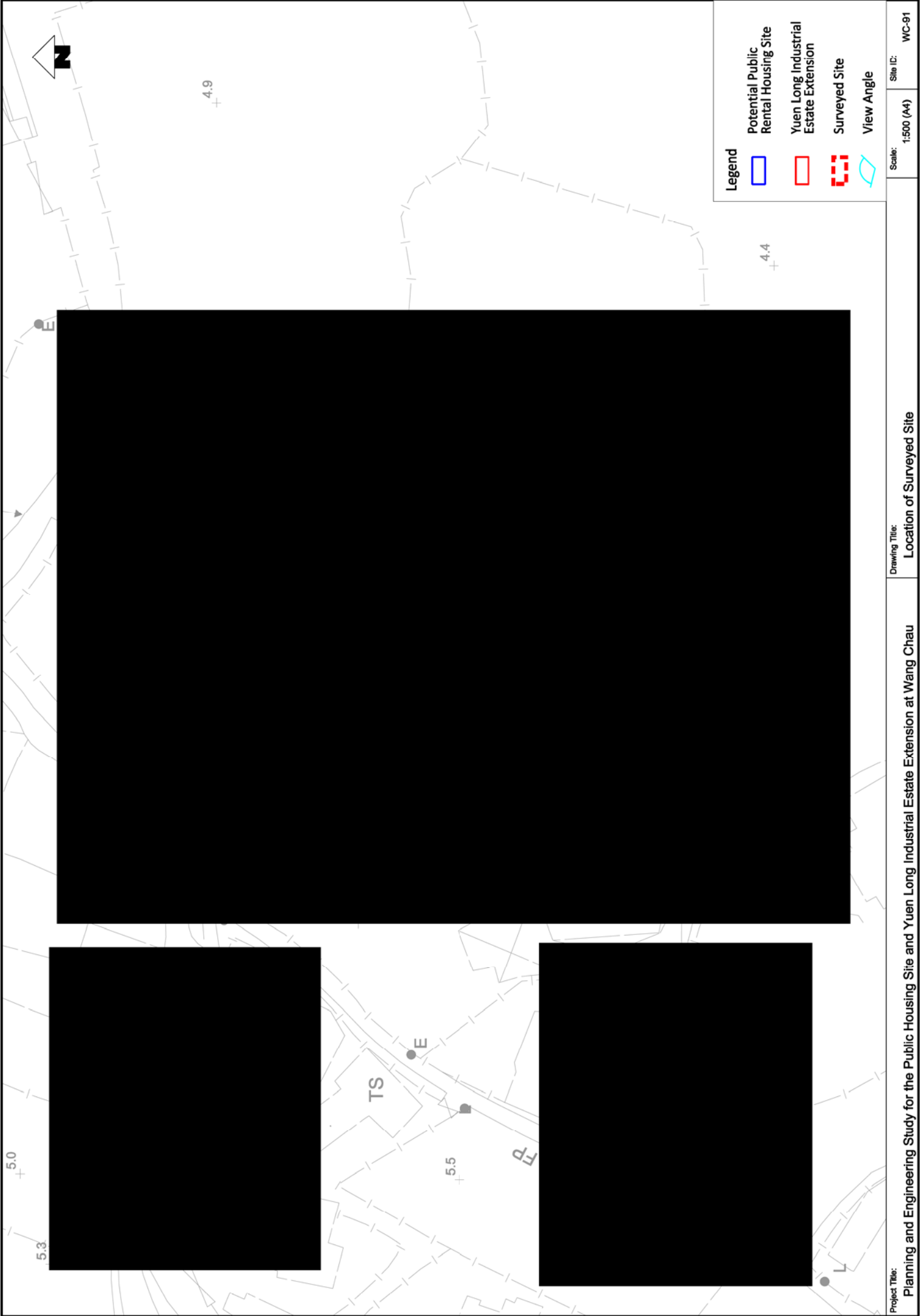
- Legend**
- Potential Public Rental Housing Site
 - Yuen Long Industrial Estate Extension
 - Surveyed Site
 - View Angle

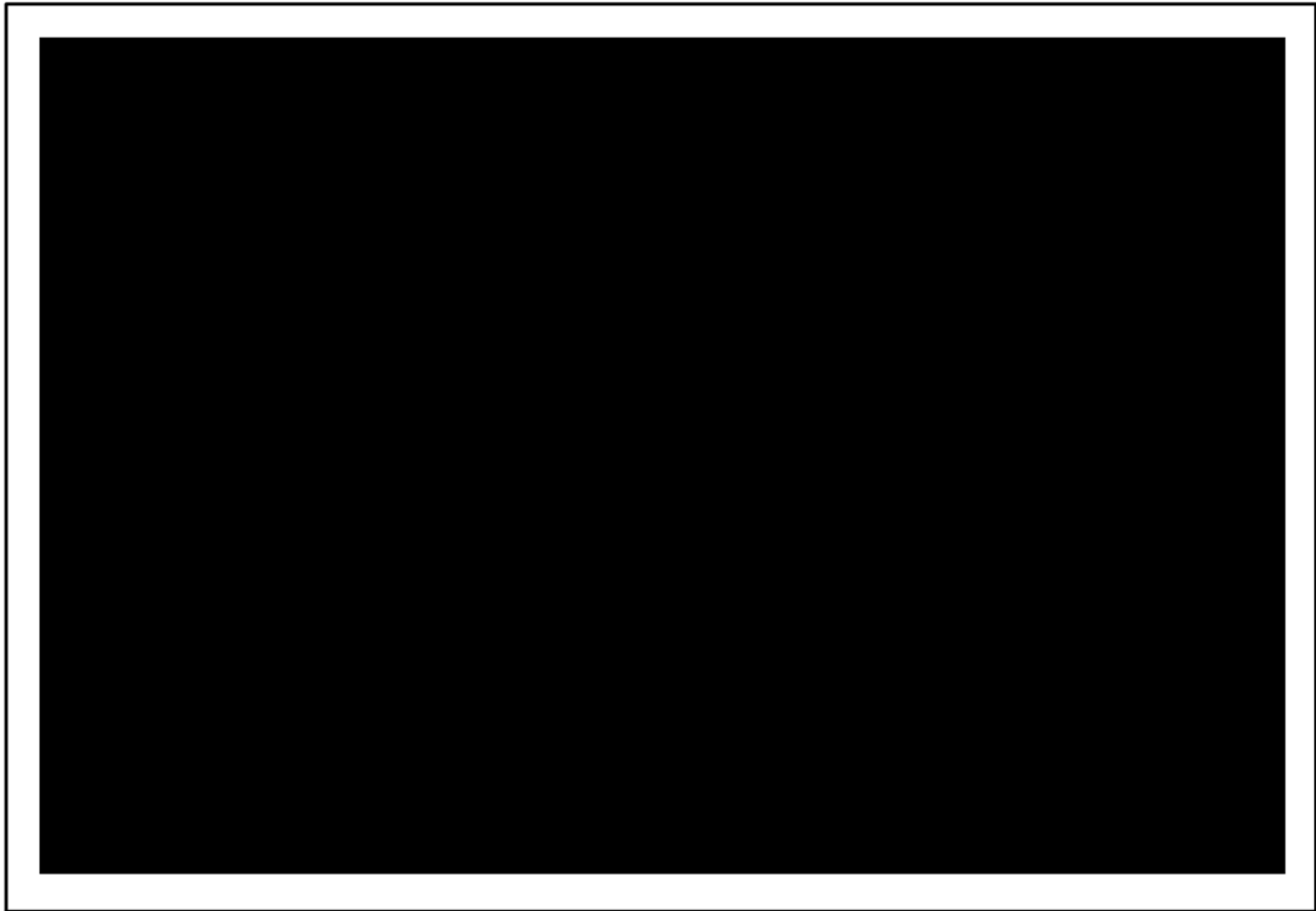
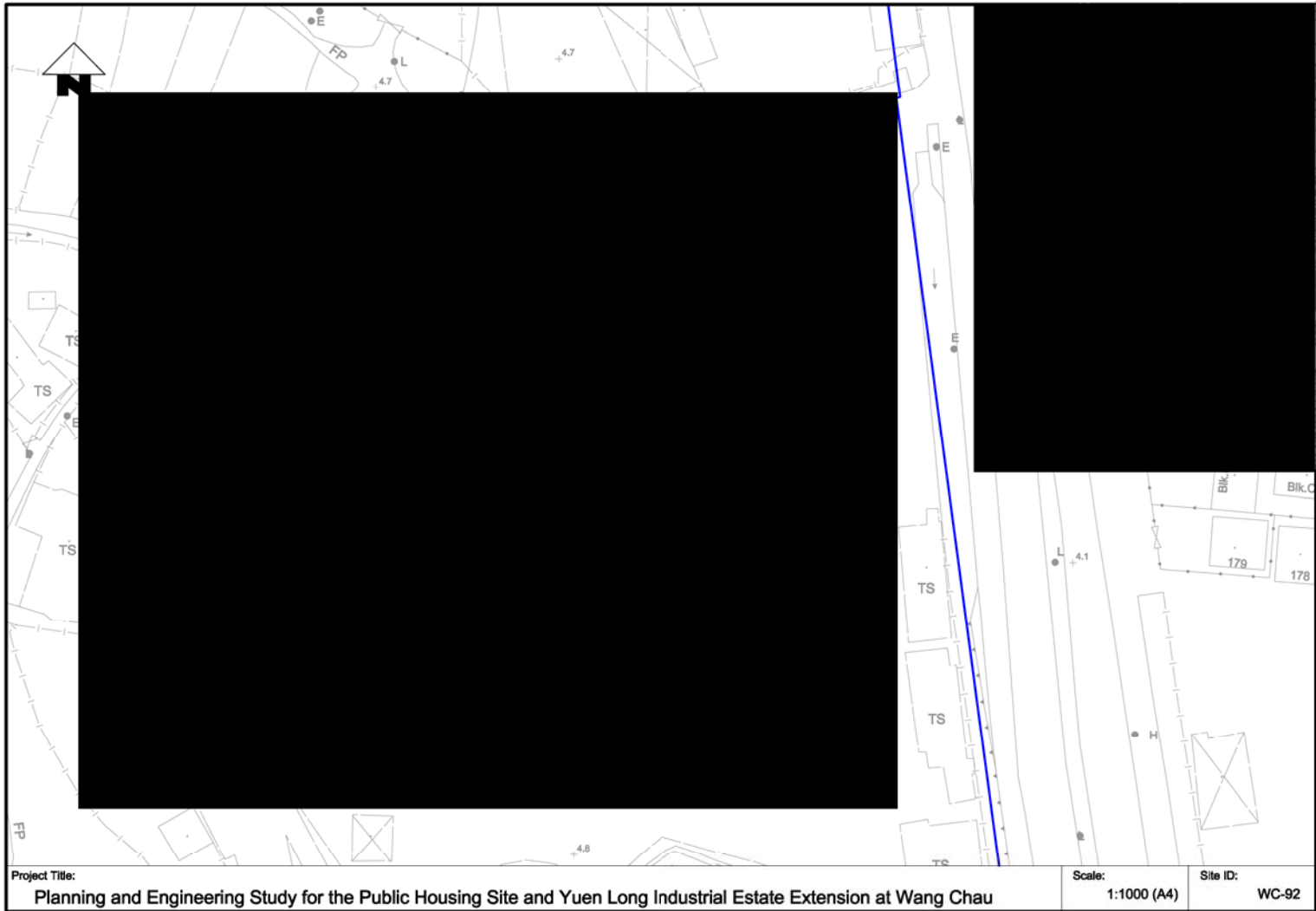


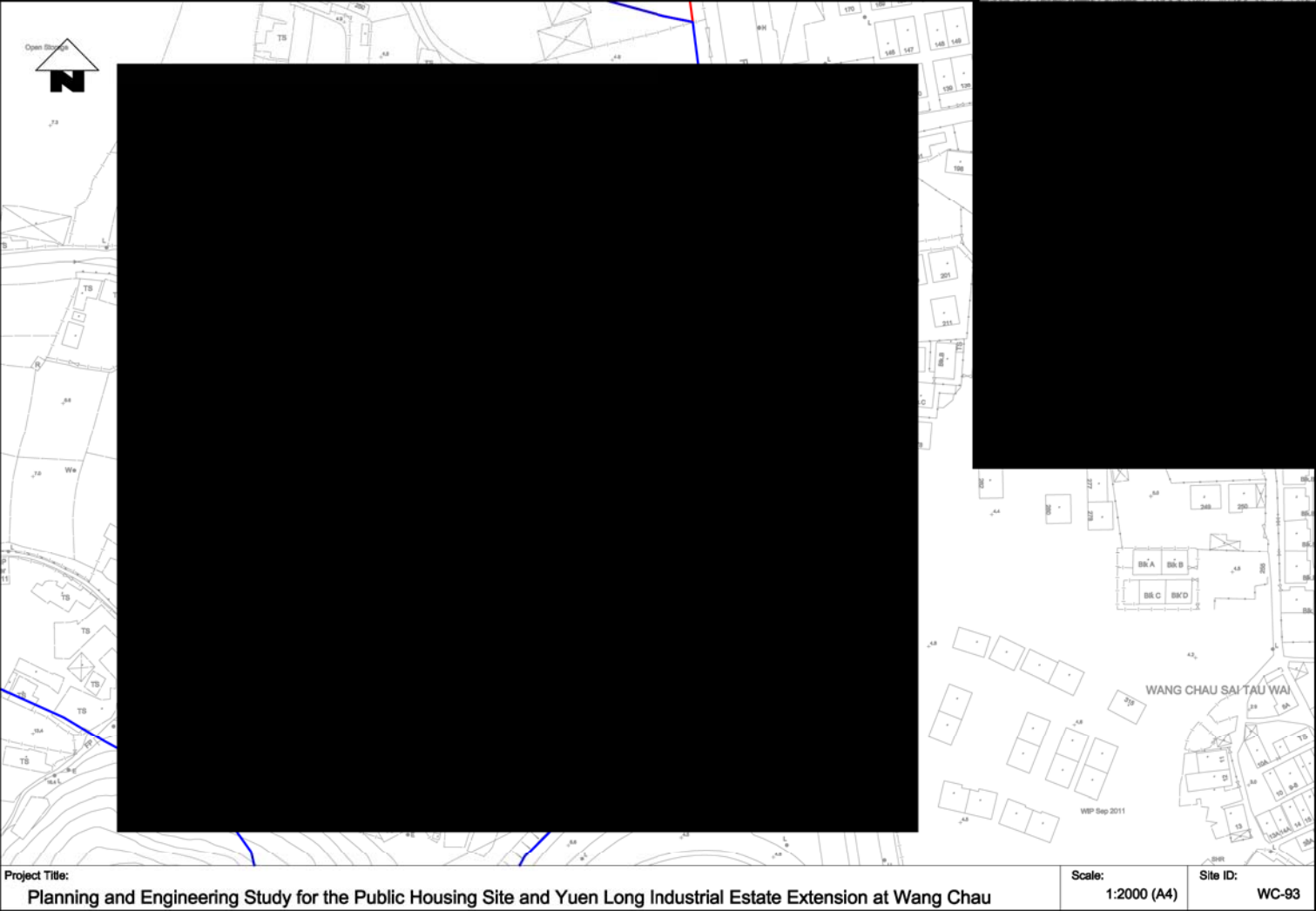


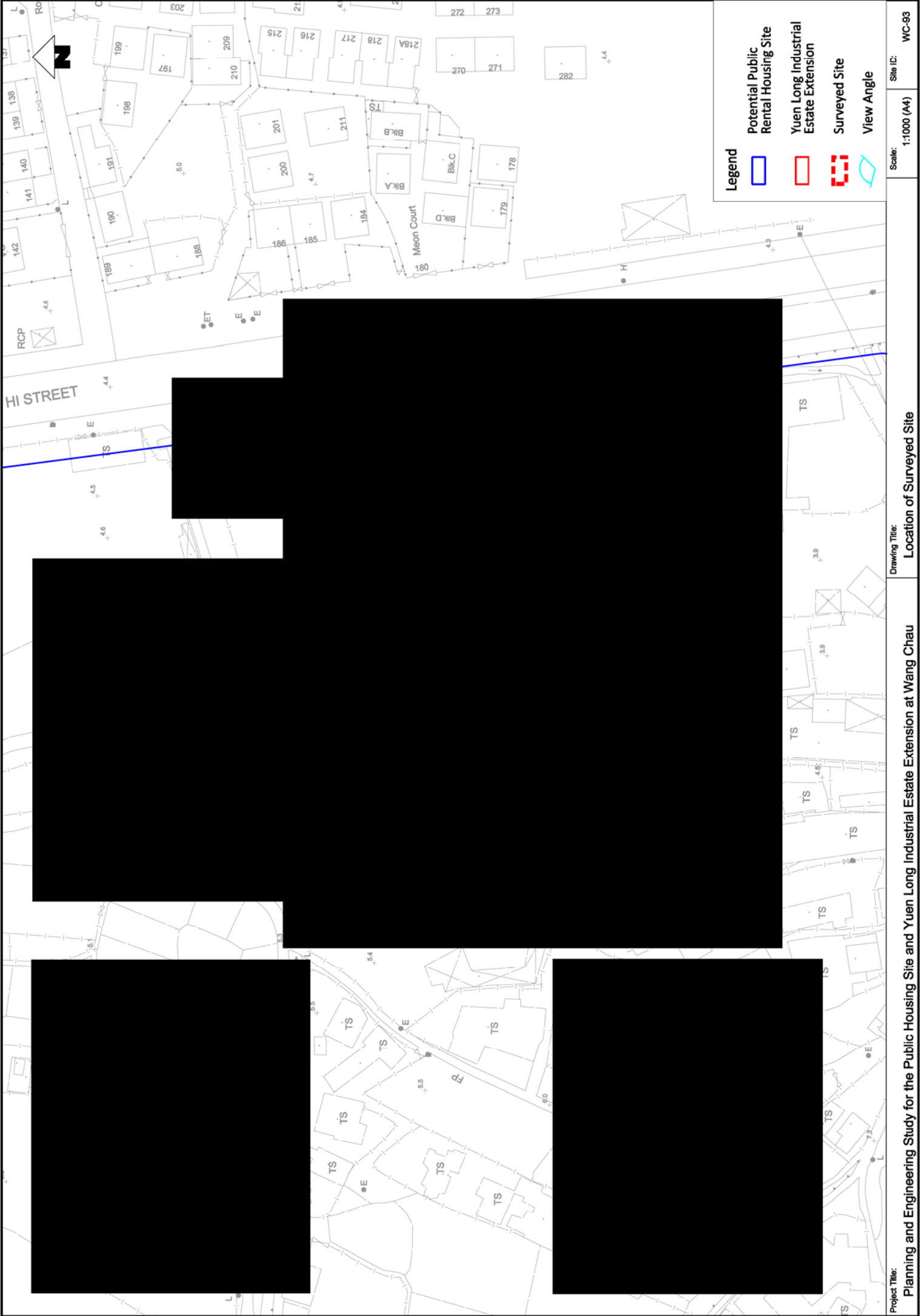


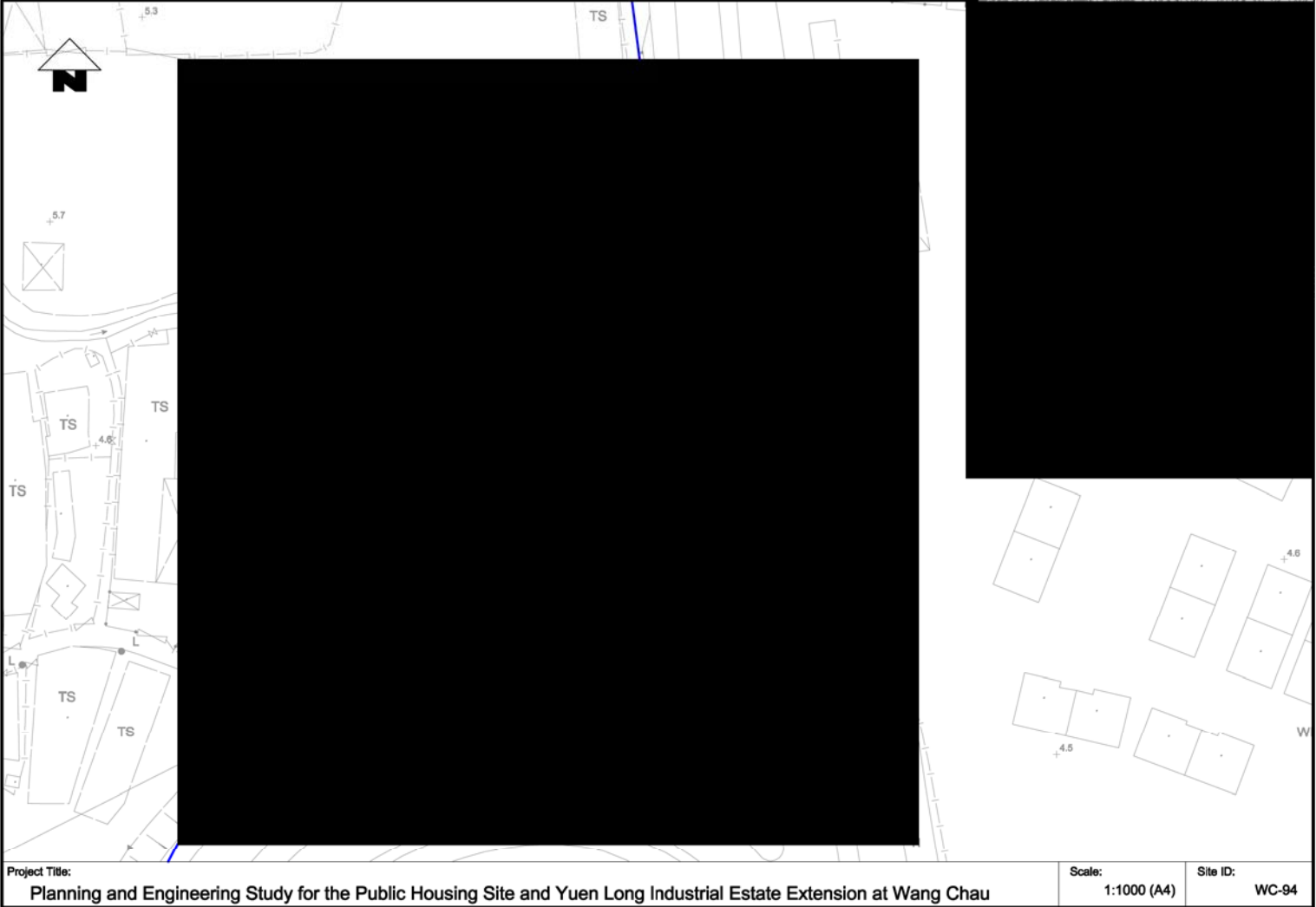


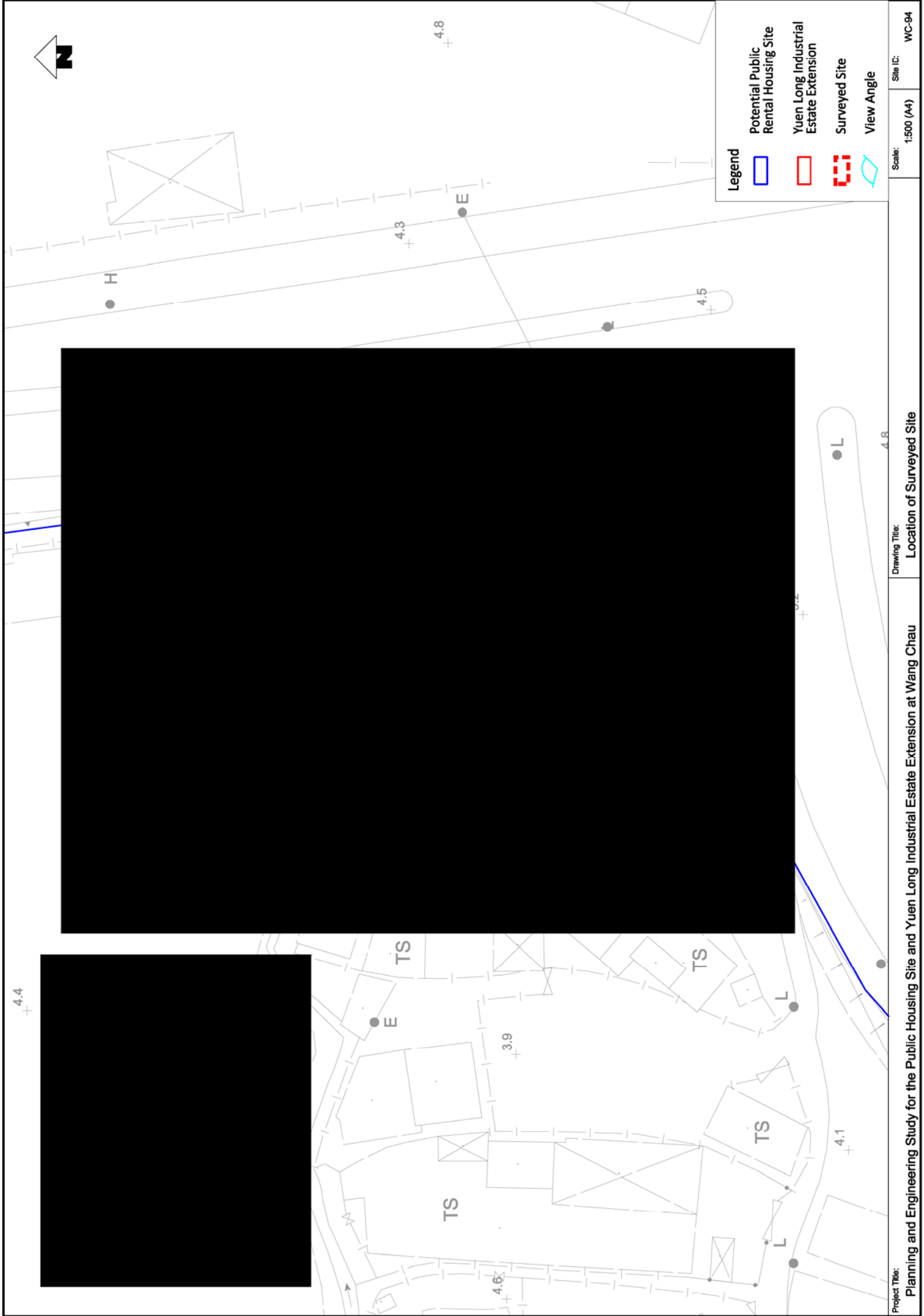


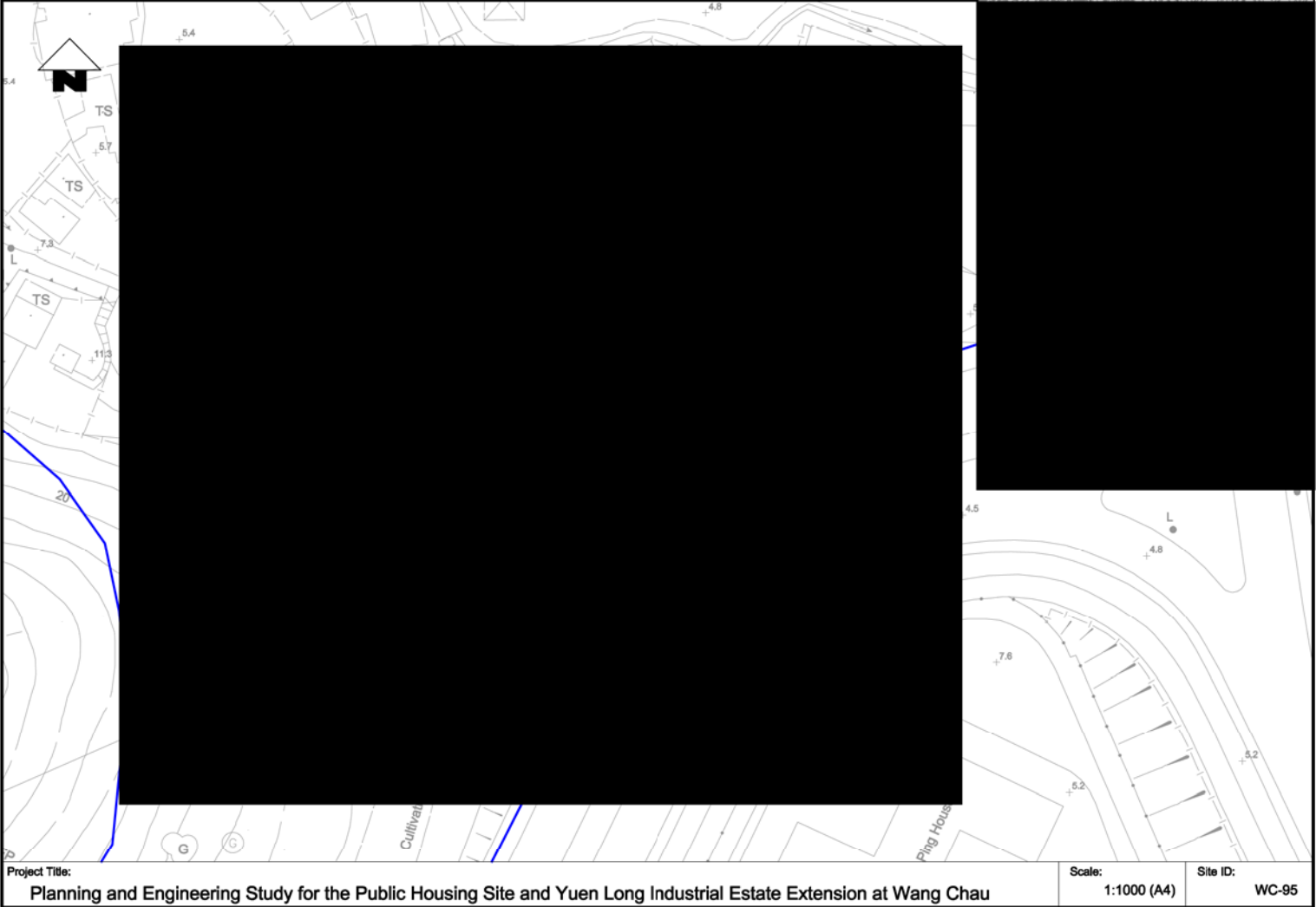


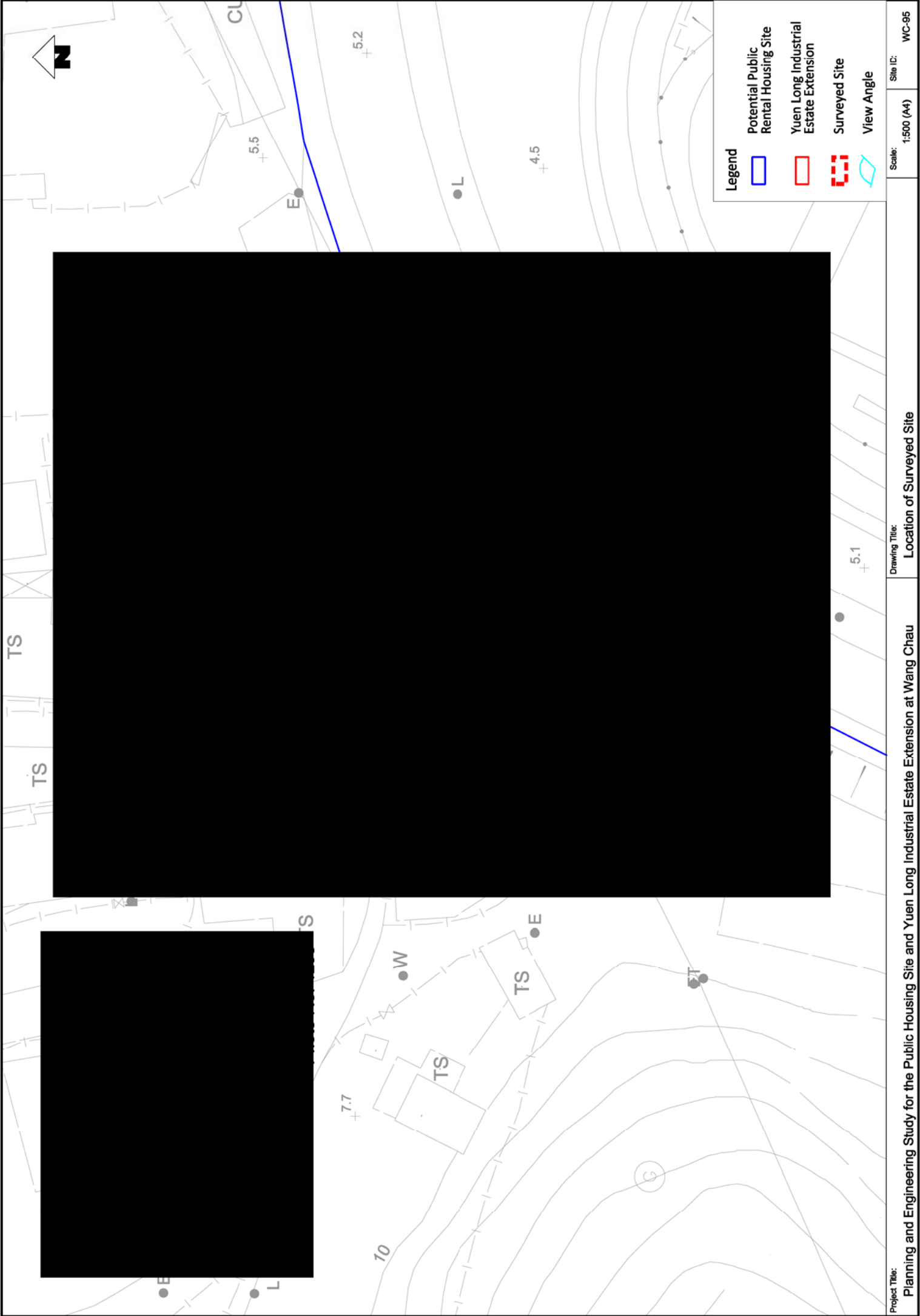


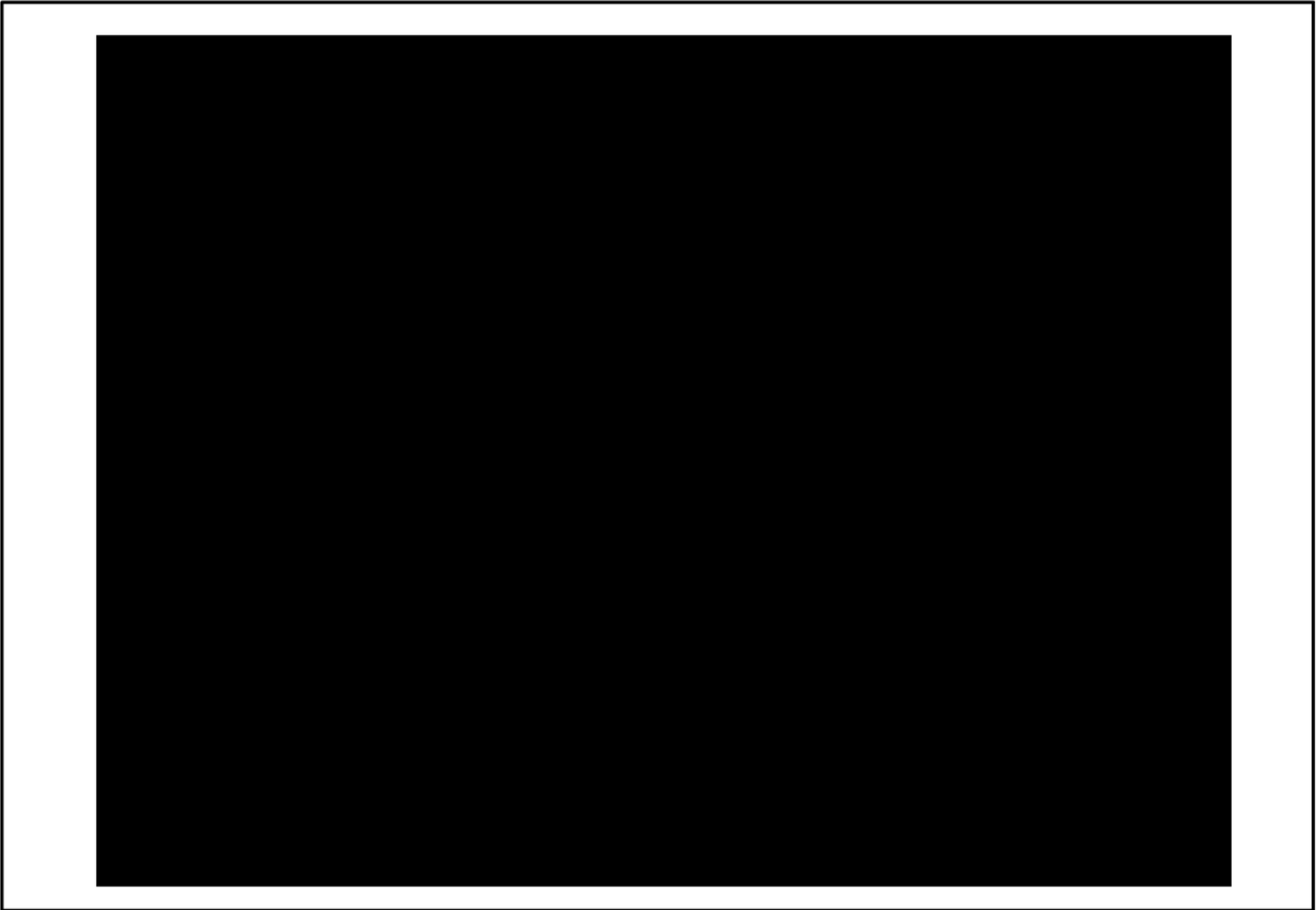
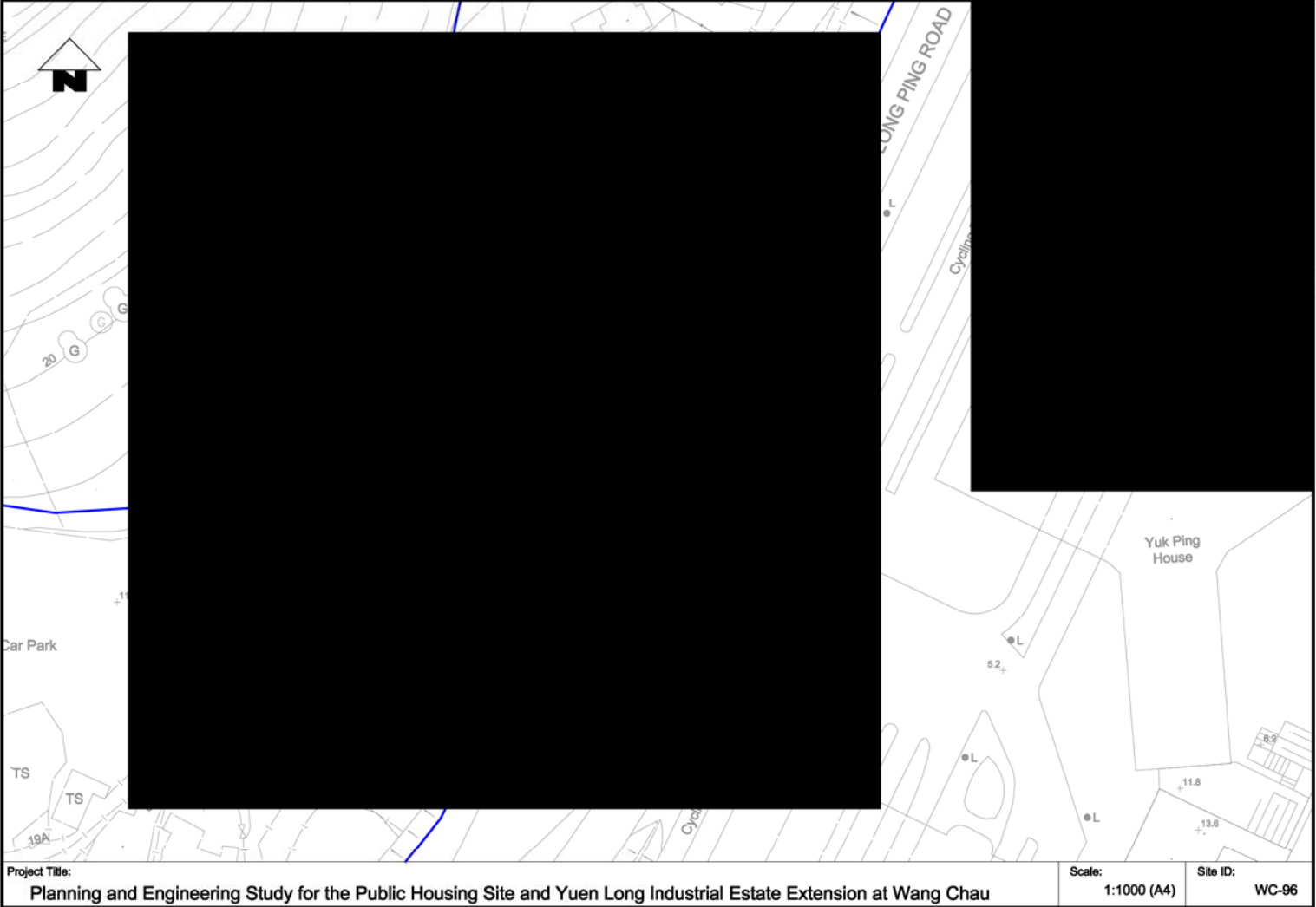


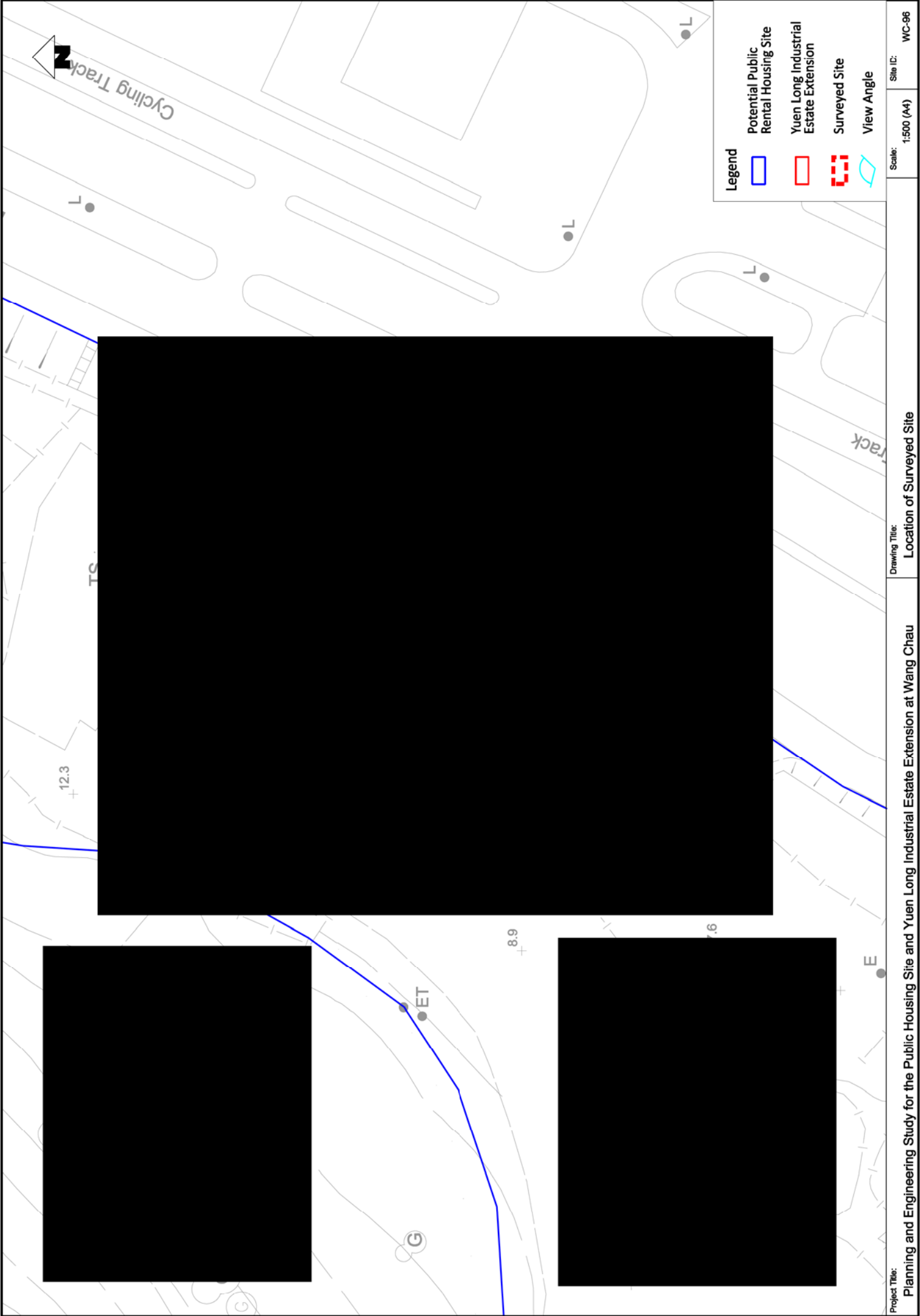


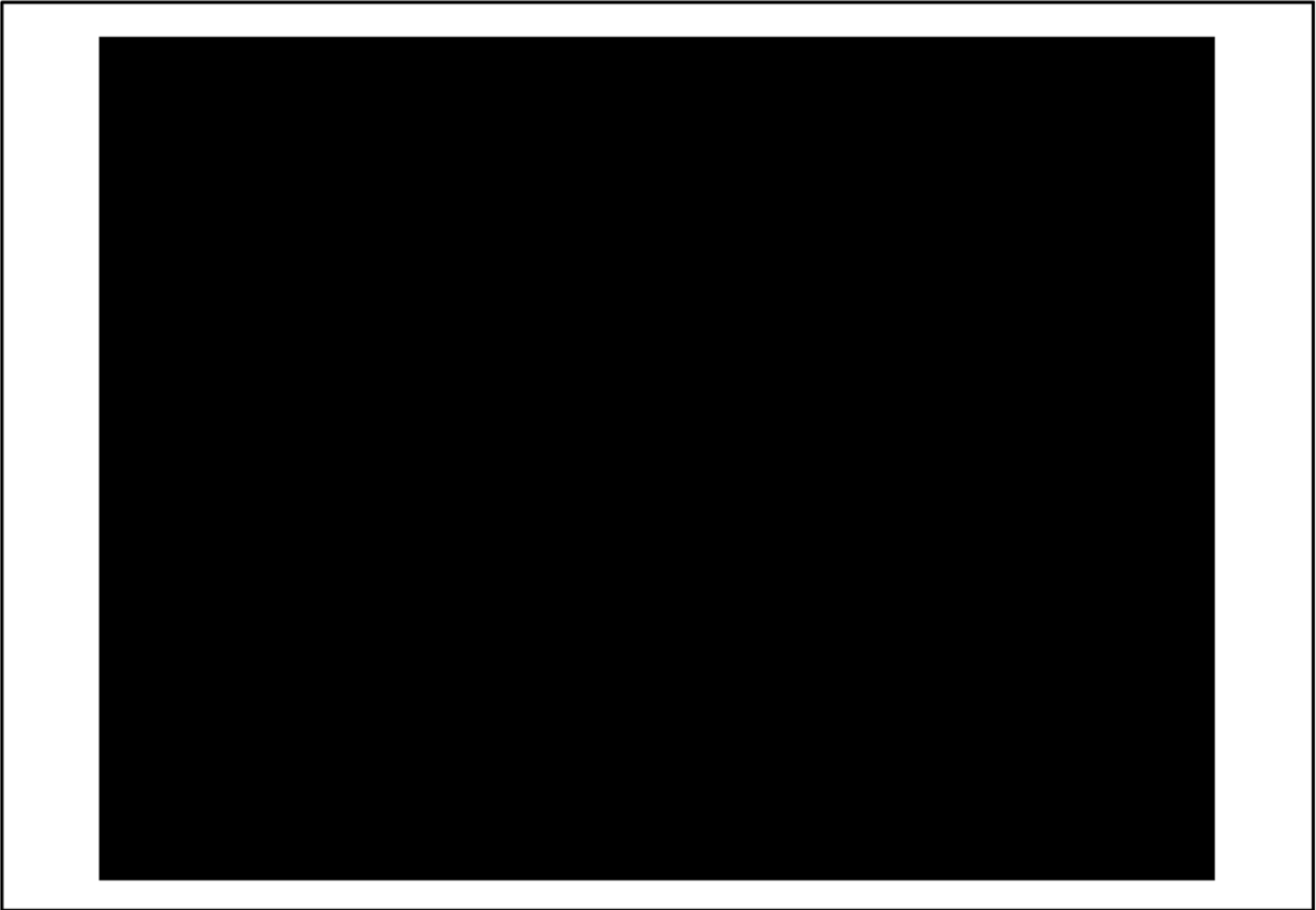
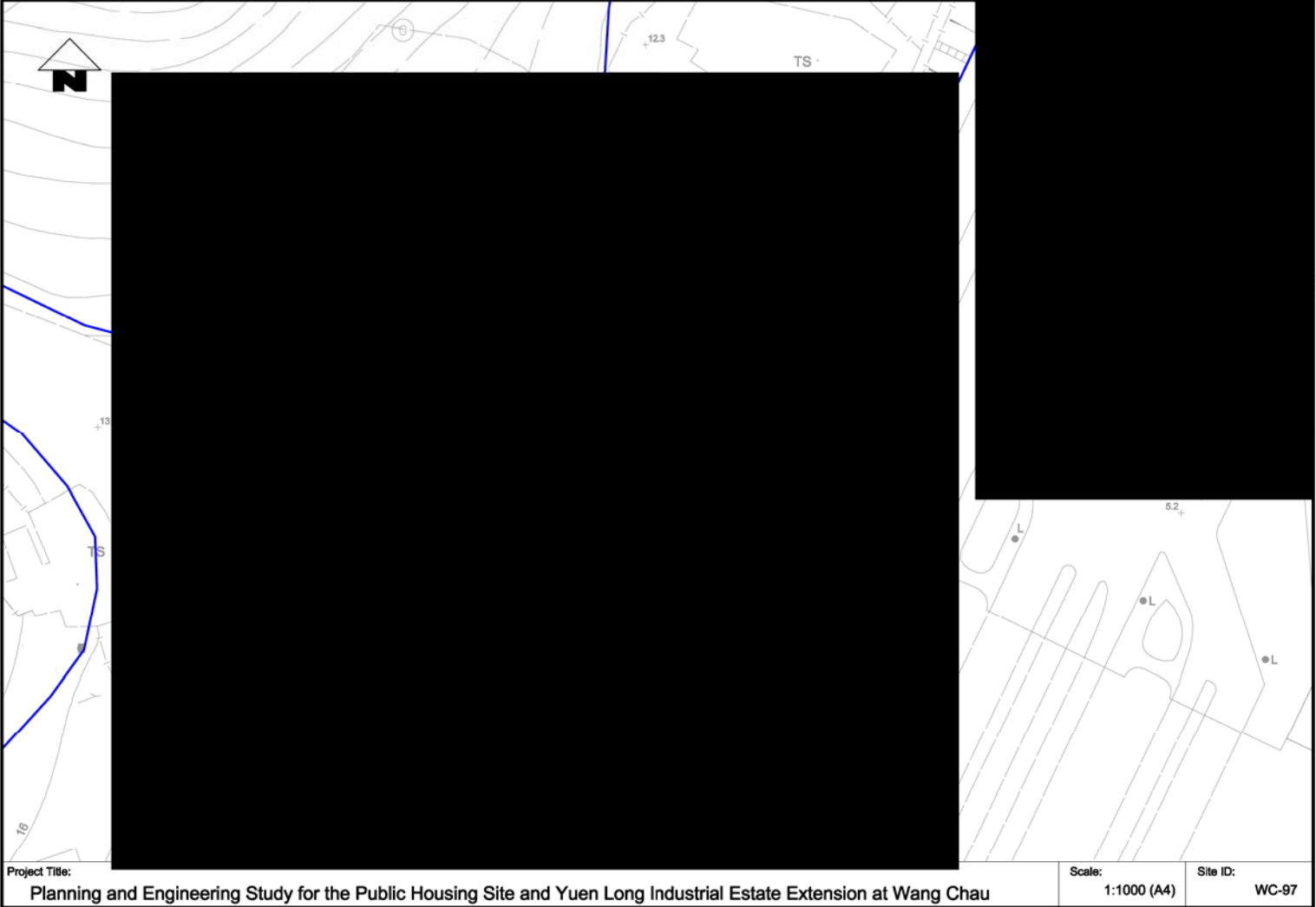


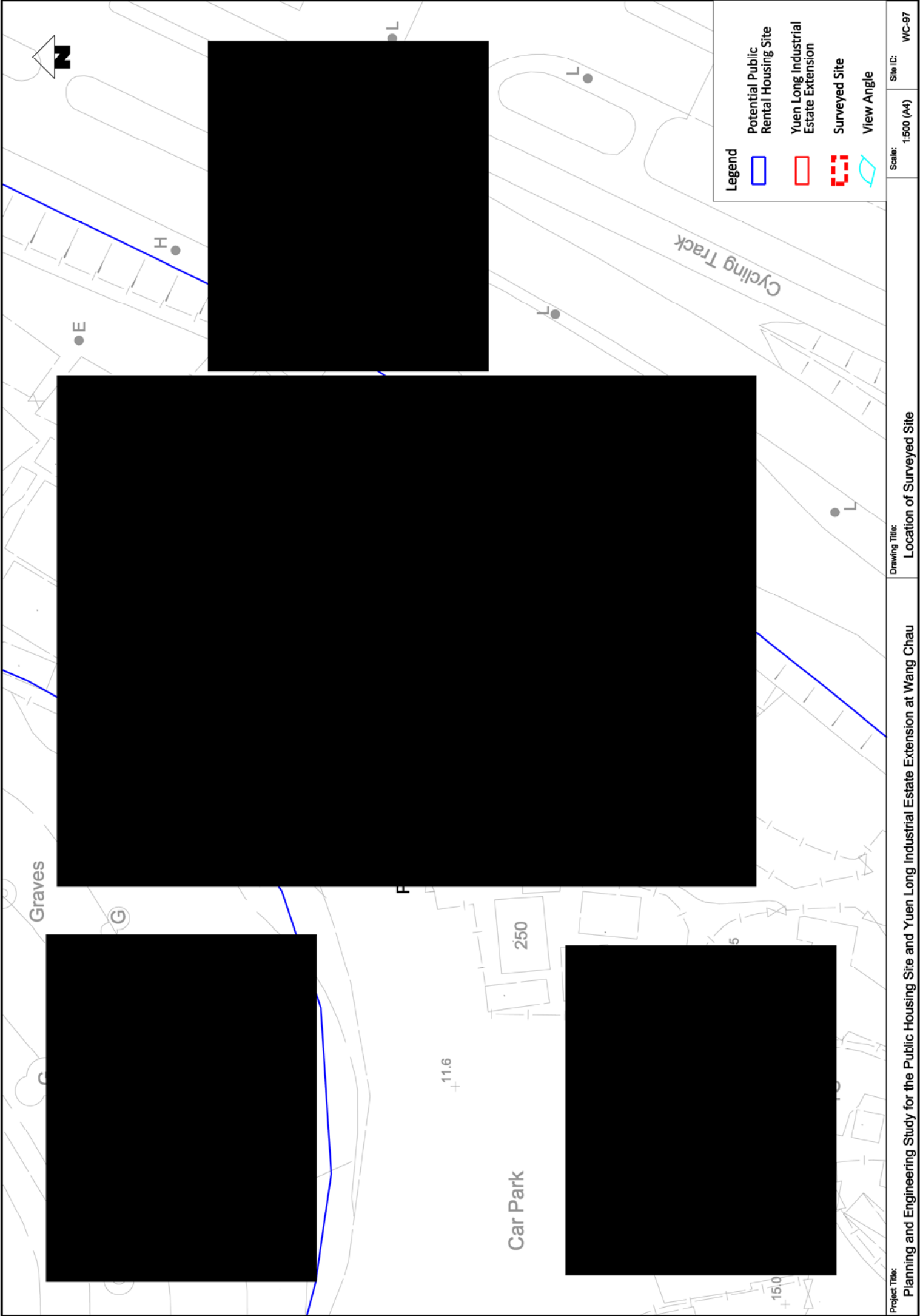


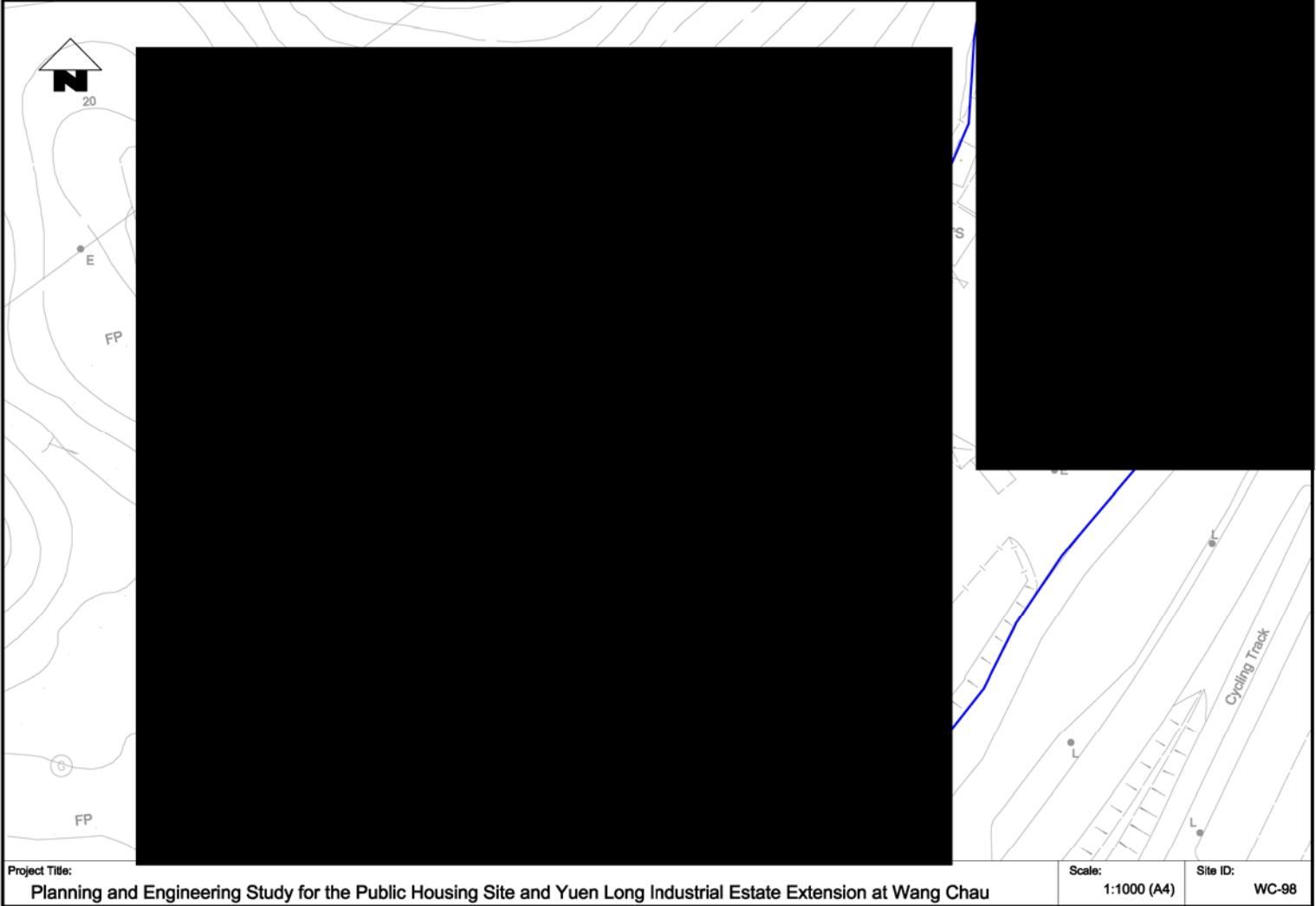


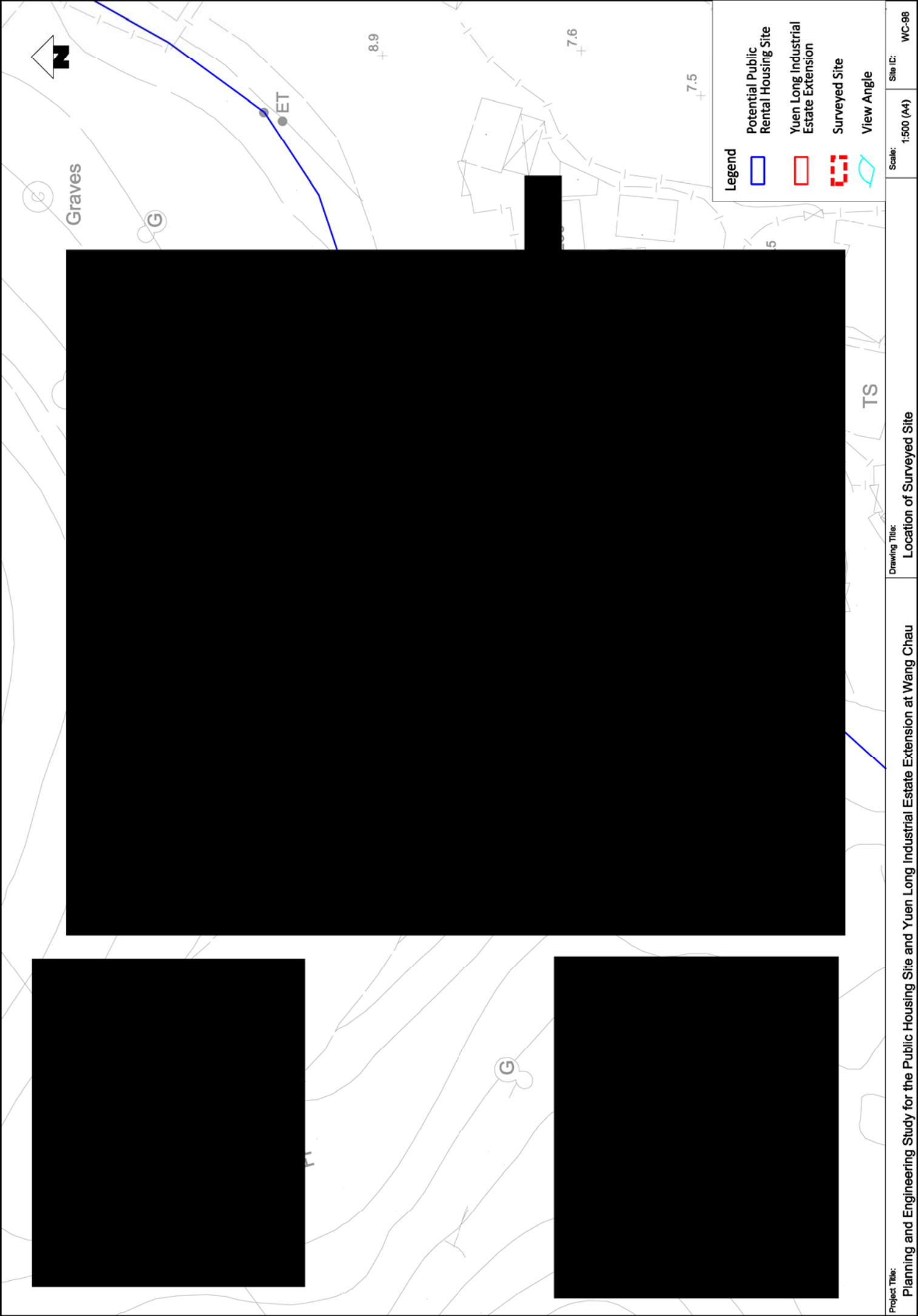








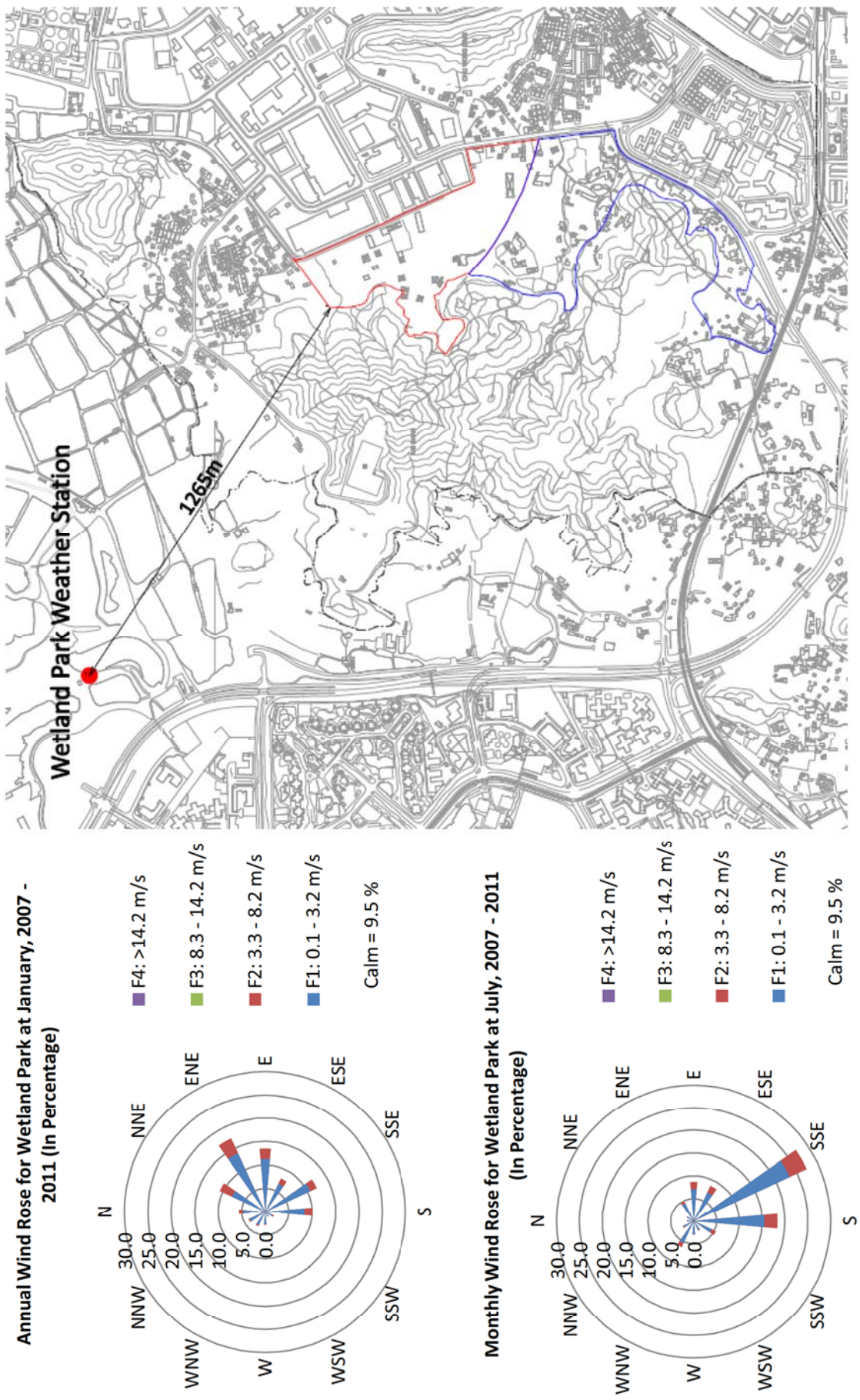




Appendix 2.13.1

Location of HKO Wetland Park
weather station and its wind
roses

Location, and Annual and Summer Wind Roses (2007-2011) of Wetland Park Weather Station



Appendix 2.13.2

Location of grid (16, 36) in
MM5 and its wind rose

Location and Wind Rose at 596 m above Terrain Level of Grid (16, 36)

