

For discussion on
26 January 2021

LEGISLATIVE COUNCIL PANEL ON DEVELOPMENT

PWP Item No. 332CL
West Kowloon Reclamation – main works (remainder)
– Footbridge at the junction of Sham Mong Road and Yen Chow Street West
in Sham Shui Po

PURPOSE

This paper briefs Members on the proposal to upgrade the remainder of **332CL** entitled “Footbridge at the junction of Sham Mong Road and Yen Chow Street West in Sham Shui Po” to Category A at an estimated cost of about \$330.0 million in money-of-the-day (MOD) prices.

PROJECT SCOPE AND NATURE

2. The remainder of **332CL** which we propose to upgrade to Category A (the proposed works) comprises –
- (a) a covered four-span footbridge system at the junction of Sham Mong Road and Yen Chow Street West, with the length of each span ranging from about 35 metres (m) to 52 m (about 197 m in total) and the clear width of about four metres;
 - (b) six lifts, six covered escalators and three covered staircases linking the proposed footbridge system with the existing adjacent developments;
 - (c) associated road works and ancillary works, including footpaths, drainage, utilities, electrical and mechanical (E&M) and landscaping works; and
 - (d) necessary environmental mitigation measures.

A site plan with elevations and an artist impression of the proposed works are at **Enclosure 1**.

3. Subject to funding approval of the Finance Committee (FC) of the Legislative Council, we plan to commence the proposed works in the third quarter of 2021 for completion in four years. To meet the programme, we plan to invite tenders in parallel to enable early commencement of the proposed works. The contract will only be awarded upon obtaining FC’s funding approval.

JUSTIFICATIONS

4. To enhance pedestrian connectivity and provide a safe walking environment, and to increase vehicular traffic flow along the busy Sham Mong Road in Sham Shui Po, we secured funding from FC in 2016 and 2020 respectively to construct a footbridge system at the junction of Sham Mong Road and Tonkin Street West, and another footbridge system at the junction of Sham Mong Road and Hing Wah Street West. Since its opening in December 2019, the first footbridge system has been highly patronised by local residents (please see the photos at **Enclosure 2**). The second footbridge system is under construction for completion in Q3 2024. These two footbridge systems, together with the proposed footbridge system at the junction of Sham Mong Road and Yen Chow Street West in this paper, collectively form the entire pedestrian footbridge system in the area.

5. Sham Mong Road is a primary distributor road in Sham Shui Po and at its junction with Yen Chow Street West, there are six to seven traffic lanes to Yen Chow Street West Westbound and Eastbound respectively. Similar to the case at junctions at Sham Mong Road and Tonkin Street West as well as that at Sham Mong Road and Hing Wah Street West, vehicular flow at the junction of Sham Mong Road and Yen Chow Street West is heavy. From both the perspective of improving road safety and vehicular traffic flow, there is a compelling need to take forward the proposed works to complete the continuous grade-separated pedestrian network.

6. Together with the aforementioned two footbridge systems, the proposed works can provide a safe, comfortable, convenient, barrier-free and covered walking environment round-the-clock to users of different needs. These users include about 72 000 residents from the nine existing and future housing developments¹ and some 9 000 students from the 10 nearby primary and secondary schools². The entire footbridge system will also provide better connectivity for users to walk between the MTR Nam Cheong Station, the public transport interchanges, recreational,

¹ The existing developments are Nam Cheong Estate, Fu Cheong Estate, Hoi Lai Estate, Aqua Marine, Cullinan West (previously known as property development above MTR Nam Cheong Station), Hoi Tak Court (previously known as housing development at Fat Tseung Street West), Hoi Ying Estate and Hoi Lok Court (previously known as Lin Cheung Road Sites 3 and 5 housing development). As regards Hoi Tat Estate (previously known as housing development at North West Kowloon Reclamation Site 6), phase 1 of the development was completed in November 2020 and the remaining phases are expected to be completed progressively from 2021 to 2022.

² The 10 schools are Tack Ching Girls' Secondary School, Tsung Tsin Christian Academy, S.K.H. St. Mary's Church Mok Hing Yiu College, S.K.H. St. Andrew's Primary School, Maryknoll Fathers' School (Primary Section), Laichikok Catholic Primary School, Sham Shui Po Government Primary School, Ying Wa College, Ying Wa Primary School and St. Margaret's Co-educational English Secondary and Primary School.

cultural, welfare and other district facilities³ in the vicinity. It will also improve junction capacity with optimisation of traffic signal at the junction of Sham Mong Road and Yen Chow Street West after the removal of the existing pedestrian crossings⁴. The completion of the proposed third footbridge will enable the benefits of pedestrian-vehicular separation to be fully realised. The site plan of the proposed footbridge system and its main service area is at **Enclosure 3**.

7. The proposed works of the covered four-span footbridge system comprises a total of six lifts, six covered escalators and three covered staircases. The design capacity of the proposed footbridge system will be able to cope with the estimated peak two-way pedestrian flow of about 1 530 pedestrians per hour per span in 2031. As the proposed footbridge system seeks to improve overall road safety by providing a continuous grade-separate pedestrian network to users, the proposed provision of six lifts and covered escalators will ensure barrier-free access and convenience at all times, even during the routine maintenance of individual lifts.

FINANCIAL IMPLICATIONS

8. We estimate the capital costs of the proposed works to be about \$330.0 million in MOD prices, which includes the construction cost of the proposed works, the remuneration of resident site staff and the consultants' fee of engineering consultants.

PUBLIC CONSULTATION

9. On 7 June 2018, we consulted the Transport Affairs Committee under the Sham Shui Po District Council on the proposed footbridge systems. Members supported the proposed works. There are strong demands for the early implementation of the proposed works from the local community and nearby schools so that a continuous grade-separated pedestrian network could be provided in a timely manner as major housing developments in the vicinity are getting in place.

10. We gazetted the proposed works under the Roads (Works, Use and Compensation) Ordinance (Cap. 370) on 28 December 2018 and 4 January 2019. During the 60-day statutory objection period, three objections were received. The

³ These facilities include a planned social welfare complex with residential care home for the elderly, special child care centre, early education and training centre, integrated vocational rehabilitation services centre, hostel for mentally handicapped persons and integrated children and youth services centre, and other recreational and leisure facilities such as public library, indoor sports centre and parks.

⁴ Like the original pedestrian crossings underneath the other two footbridge systems, the existing four sets of pedestrian crossings at the junction of Sham Mong Road and Yen Chow Street West will be removed. The junction capacity will improve after the removal of the existing pedestrian crossings, as the time allocated for pedestrian could be reassigned to vehicles, thereby allowing more vehicles to pass through the junction at each signal cycle.

objections are about possible inconvenience arising from the closure of the existing at-grade pedestrian crossings, concerns on whether 24-hour access to the property development above MTR Nam Cheong Station would be provided and opinions that the proposed footbridge would not improve the overall pedestrian connectivity in the district. In response, we have explained that the removal of the pedestrian crossings is to separate pedestrians from vehicular traffic to enhance road safety and to improve the traffic capacity as the capacity at the junction is expected to be overloaded upon the completion of the nearby housing development projects. We have also confirmed that 24-hour access would be provided at the property development above MTR Nam Cheong Station.

11. The Chief Executive-in-Council authorised the road works without modification on 7 January 2020. The authorisation notice was gazetted on 6 March 2020.

12. On 19 March 2019, we consulted the Advisory Committee on the Appearance of Bridges and Associated Structures (ACABAS)⁵ on the aesthetic design of the proposed works. The Committee accepted the aesthetic design.

ENVIRONMENTAL IMPLICATIONS

13. This is not a designated project under the Environmental Impact Assessment Ordinance (Cap. 499). The proposed works will not cause long-term adverse environmental impact. We have included in the project estimate the cost to implement suitable mitigation measures to control short-term environmental impacts.

14. During construction, we will control noise, dust and site run-off nuisances to within established standards and guidelines through the implementation of mitigation measures in the relevant contract. These include the use of silencers, mufflers, acoustic lining or shields for noisy construction activities, frequent cleaning and watering of the site, and the provision of wheel-washing facilities.

15. At the planning and design stages, we have considered the alignment, design level and construction method of the proposed works to reduce the generation of construction waste where possible. In addition, we will require the contractor to reuse inert construction waste (e.g. excavated soil and rockfill) on site or in other suitable construction sites as far as possible, in order to minimise the

⁵ ACABAS is responsible for vetting the design of bridges and other structures associated with the highway system, from the aesthetic and visual impact points of view. It comprises representatives of the Hong Kong Institute of Architects, Hong Kong Institution of Engineers, Hong Kong Institute of Planners, academic institutions, Architectural Services Department, Highways Department, Housing Department, and Civil Engineering and Development Department.

disposal of inert construction waste at public fill reception facilities⁶. We will encourage the contractor to maximise the use of recycled or recyclable inert construction waste and the use of non-timber formwork to further reduce the generation of construction waste.

16. At the construction stage, we will require the contractor to submit for approval a plan setting out the waste management measures, which will include appropriate mitigation means to avoid, reduce, reuse and recycle inert construction waste. We will ensure that the day-to-day operations on site comply with the approved plan. We will require the contractor to separate the inert portion from non-inert construction waste on site for disposal at appropriate facilities. We will control the disposal of inert construction waste and non-inert construction waste at public fill reception facilities and landfills respectively through a trip-ticket system.

HERITAGE IMPLICATIONS

17. The proposed works will not affect any heritage sites, i.e. declared monuments, proposed monuments, graded historic sites and buildings, sites of archaeological interest and government historic sites identified by the Antiquities and Monuments Office.

TRAFFIC IMPLICATIONS

18. During construction stage, the proposed works will not cause any significant traffic impact. Temporary traffic arrangements will be implemented to facilitate the construction works which require temporary road closure. We will display publicity boards on site giving details of the temporary traffic arrangements, and the anticipated completion dates of individual section of works. In addition, we will set up a telephone hotline to respond to public enquires or complaints.

LAND ACQUISITION

19. The proposed works do not require land acquisition.

BACKGROUND INFORMATION

20. We upgraded **332CL** to Category B in November 1989.

21. In June 2016, part of **332CL** entitled “West Kowloon Reclamation–main

⁶ Public fill reception facilities are specified in Schedule 4 of the Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap.354N). Disposal of inert construction waste at public fill reception facilities requires a licence issued by the Director of Civil Engineering and Development.

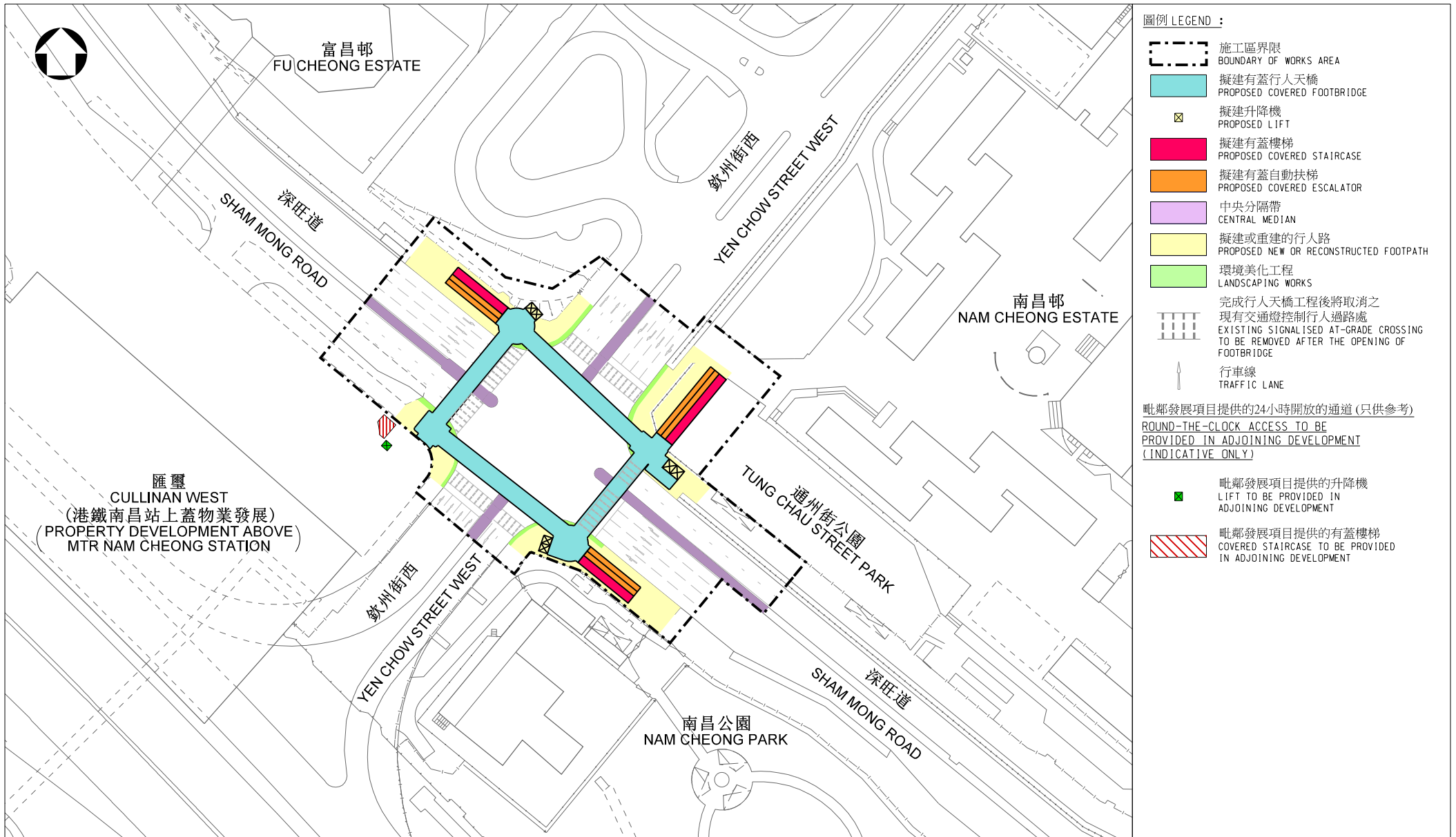
works (remainder) – footbridge at the junction of Sham Mong Road and Tonkin Street West in Sham Shui Po” was upgraded to Category A at an approved estimated cost of \$368.9 million. The construction works were completed in December 2019 and the footbridge was subsequently open for public use.

22. In July 2020, part of **332CL** entitled “West Kowloon Reclamation–main works (remainder) – footbridge at the junction of Sham Mong Road and Hing Wah Street West in Sham Shui Po” was upgraded to Category A at an approved estimated cost of \$331.9 million. The construction works commenced in July 2020 for completion in Q3 2024.

WAY FORWARD

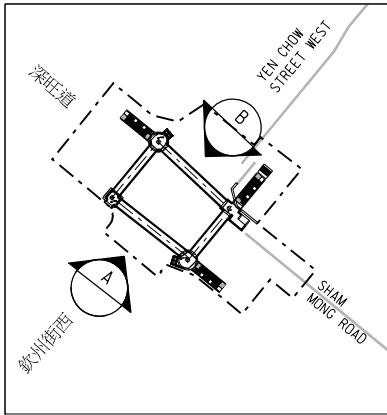
23. We plan to seek funding approval from the FC after consulting the Public Works Subcommittee.

**Development Bureau
Civil Engineering and Development Department
January 2021**



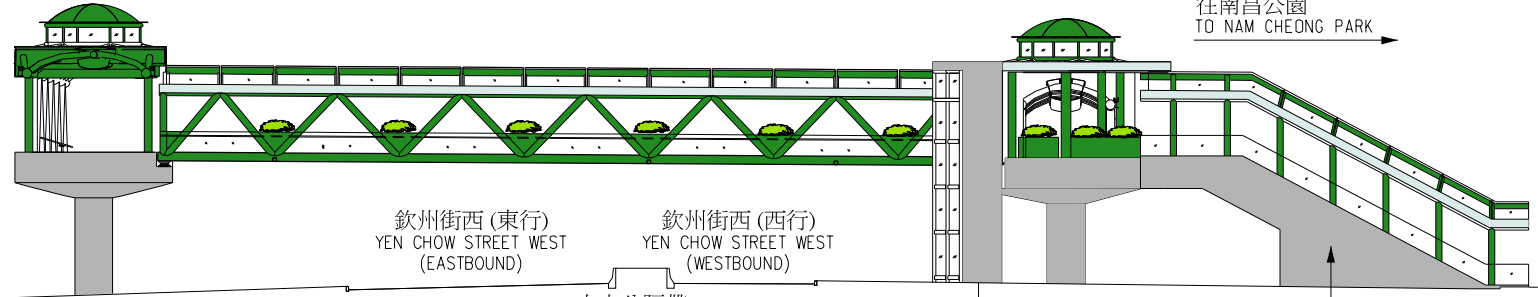
工務計劃項目第332CL號西九龍填海計劃 - 主要工程 (餘下部分) -
位於深水埗深旺道與欽州街西交界處的行人天橋 - 平面圖

PWP ITEM NO. 332CL WEST KOWLOON RECLAMATION - MAIN WORKS (REMAINDER) -
FOOTBRIDGE AT THE JUNCTION OF SHAM MONG ROAD AND YEN CHOW STREET WEST IN SHAM SHUI PO - SITE PLAN



位置圖
LOCATION PLAN

往匯璽
TO CULLINAN WEST
(往港鐵南昌站上蓋物業發展)
(TO PROPERTY DEVELOPMENT ABOVE)
(MTR NAM CHEONG STATION)



往南昌公園
TO NAM CHEONG PARK

欽州街西 (東行)
YEN CHOW STREET WEST
(EASTBOUND)

欽州街西 (西行)
YEN CHOW STREET WEST
(WESTBOUND)

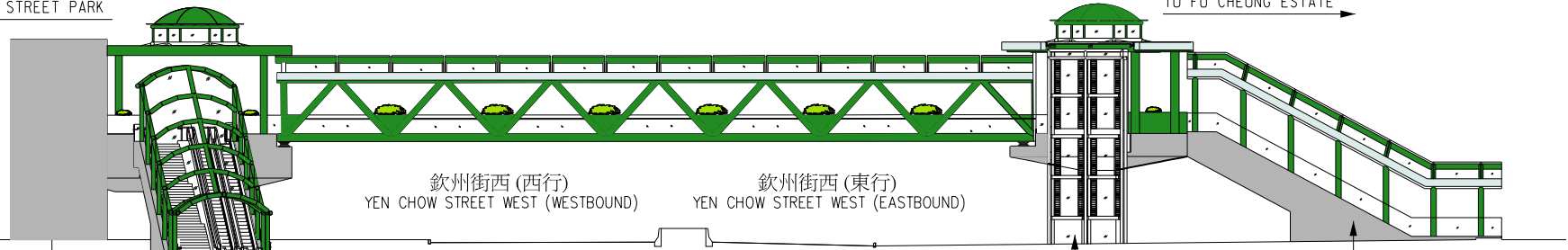
行人路 FOOTPATH
行車路 CARRIAGEWAY
中央分隔帶 CENTRAL MEDIAN
行車路 CARRIAGEWAY
行人路 FOOTPATH

升降機
LIFT

樓梯及自動扶梯
STAIRCASE AND ESCALATORS

視角A
VIEW A
不按比例
NOT TO SCALE

往南昌邨及通州街公園
TO NAM CHEONG ESTATE AND
TUNG CHAU STREET PARK



往富昌邨
TO FU CHEONG ESTATE

欽州街西 (西行)
YEN CHOW STREET WEST
(WESTBOUND)

欽州街西 (東行)
YEN CHOW STREET WEST
(EASTBOUND)

行人路 FOOTPATH
行車路 CARRIAGEWAY
中央分隔帶 CENTRAL MEDIAN
行車路 CARRIAGEWAY
行人路 FOOTPATH

升降機
LIFT

樓梯及自動扶梯
STAIRCASE AND ESCALATORS

升降機
LIFT

樓梯及自動扶梯
STAIRCASE AND ESCALATORS

視角B
VIEW B
不按比例
NOT TO SCALE

工務計劃項目第332CL號西九龍填海計劃 - 主要工程 (餘下部分) -
位於深水埗深旺道與欽州街西交界處的行人天橋 - 立視圖

PWP ITEM NO. 332CL WEST KOWLOON RECLAMATION - MAIN WORKS (REMAINDER) -
FOOTBRIDGE AT THE JUNCTION OF SHAM MONG ROAD AND YEN CHOW STREET WEST IN SHAM SHUI PO - ELEVATION



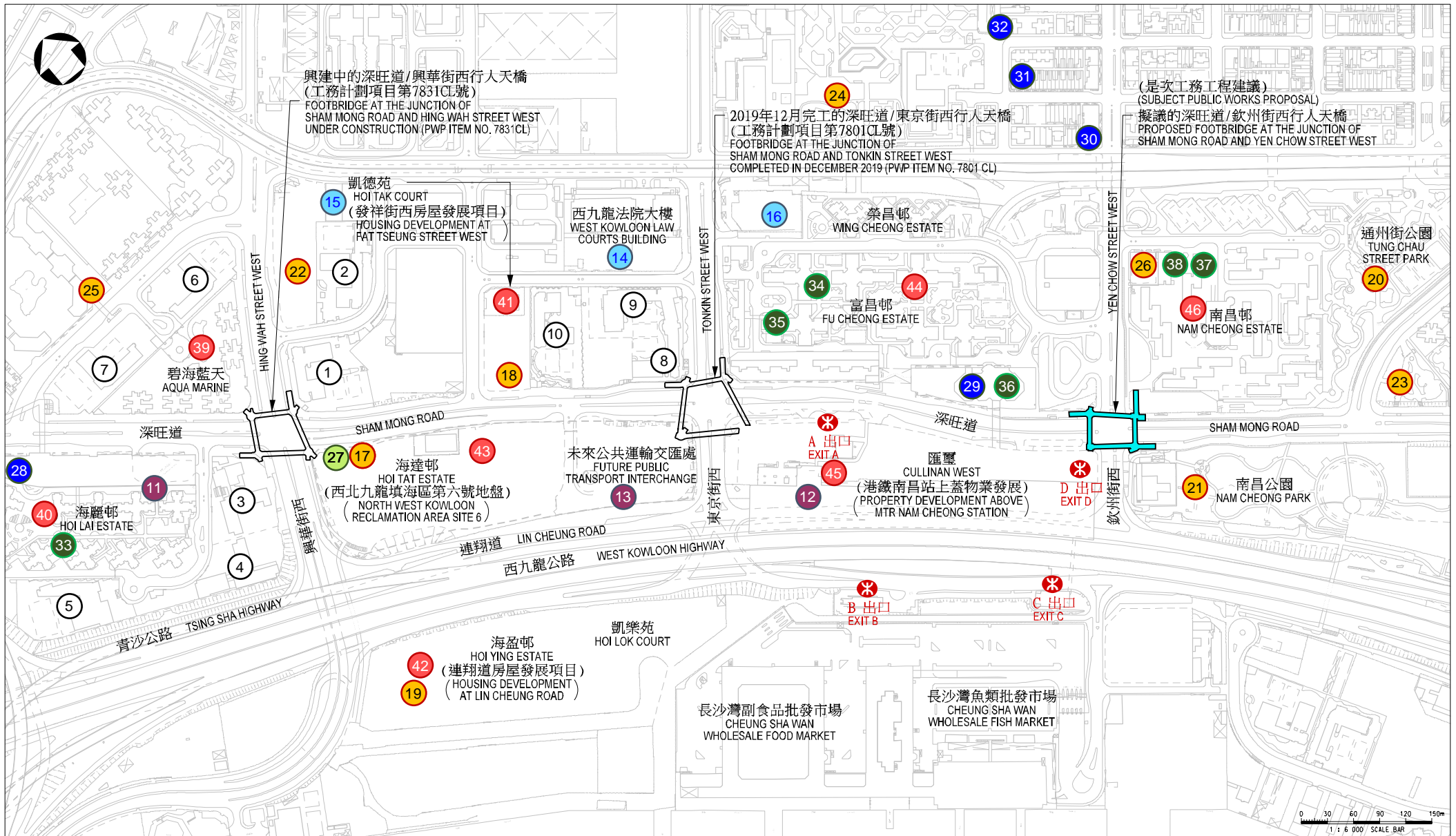
工務計劃項目第332CL號西九龍填海計劃 - 主要工程 (餘下部分) -
位於深水埗深旺道與欽州街西交界處的行人天橋 - 構想圖

PWP ITEM NO. 332CL WEST KOWLOON RECLAMATION - MAIN WORKS (REMAINDER) -
FOOTBRIDGE AT THE JUNCTION OF SHAM MONG ROAD AND YEN CHOW STREET WEST IN SHAM SHUI PO - ARTIST IMPRESSION



位於深水埗深旺道與東京街西交界處的行人天橋的使用情況

Use of footbridge at the junction of Sham Mong Road and Tonkin Street West in Sham Shui Po



工務計劃項目第332CL號西九龍填海計劃 - 主要工程 (餘下部分) - 深旺道行人天橋
擬建行人天橋系統附近的房屋、學校及社會設施

PWP ITEM NO. 332CL WEST KOWLOON RECLAMATION - MAIN WORKS (REMAINDER) - FOOTBRIDGE SYSTEMS AT SHAM MONG ROAD
HOUSING, SCHOOLS AND COMMUNITY FACILITIES IN THE VICINITY OF THE PROPOSED FOOTBRIDGES

項目 Item	學校 Schools
1	德貞女子中學 Tack Ching Girls' Secondary School
2	基督教崇真中學 Tsunng Tsin Christian Academy
3	聖公會聖馬利亞堂莫慶堯中學 SKH St. Mary's Church Mok Hing Yiu College
4	聖公會聖安德烈小學 S.K.H. St. Andrew's Primary School
5	瑪利諾神父教會學校(小學部) Maryknoll Fathers' School (Primary Section)
6	荔枝角天主教小學 Laichikok Catholic Primary School
7	深水埗官立小學 Sham Shui Po Government Primary School
8	英華書院 Ying Wa College
9	英華小學 Ying Wa Primary School
10	聖瑪加利男女英文中小學 St Margaret's Co-educational English Secondary and Primary School

項目 Item	交通設施 Transport Facilities
11	公共運輸交匯處 Public Transport Interchange
12	港鐵南昌站 MTR Nam Cheong Station
13	公共運輸交匯處 Public Transport Interchange

項目 Item	政府及司法機構 Government Offices and Judiciary
14	西九龍法院大樓 West Kowloon Law Courts Building
15	水務署九龍西區大樓 WSD Kowloon West Regional Building
16	庫務大樓 Treasury Building

項目 Item	文娛及康樂設施 Leisure and Cultural Facilities
17	公共圖書館設施、室內運動館、五人足球場 Public Library Facilities, Indoor Sports Centre, 5-a-side Soccer Pitch
18	羽毛球場 Badminton Court
19	羽毛球場 Badminton Court
20	通州街公園 Tung Chau Street Park
21	南昌公園 Nam Cheong Park
22	興華街西遊樂場 Hing Wah Street West Playground
23	聚魚道休憩花園 Chui Yu Road Rest Garden
24	深水埗公園 Sham Shui Po Park
25	荔枝角社區會堂 Lai Chi Kok Community Hall
26	南昌社區中心 Nam Cheong District Community Centre

項目 Item	社會福利設施 Social Welfare Facilities
27	社會福利設施大樓 Social Welfare Facilities Block - 安老院舍 Residential Care Home for the Elderly - 特殊幼兒中心 Special Child Care Centre - 早期教育及訓練中心 Early Education and Training Centre - 綜合職業康復服務中心 Integrated Vocational Rehabilitation Services Centre - 中度弱智人士宿舍 Hostel for Moderately Mentally Handicapped Persons - 嚴重弱智人士宿舍 Hostel for Severely Mentally Handicapped Persons - 展能中心 Day Activity Centre - 弱智人士輔助宿舍 Supported Hostel for Mentally Handicapped Persons - 綜合青少年服務中心 Integrated Children and Youth Services Centres

項目 Item	安老院 / 長者地區中心 Homes for the Elderly / District Elderly Community Centres
28	博愛醫院郭興坤長者鄰舍中心 Pok Oi Hospital Mr. Kwok Hing Kwan Neighbourhood Elderly Centre
29	癸末年樂頤居暨耆安長者日間護理中心 Eco-Home for the Senior cum Sunny Green Day Care Centre for the Senior
30	溫暖護理院欽州街分院 Wan Luen Home for Elderly (Yen Chow Street)
31	福安老人院 Fuk On Home of Aged Limited
32	杏林護老院 Doctor's Home for the Elderly Limited

項目 Item	服務中心 Services Centres
33	民社服務中心「海麗兒童發展中心」 People Service Centre – Hoi Lai Children Development Centre
34	九龍婦女聯會劉舜雯富昌互助幼兒中心 Kowloon Women's Organisations Federation Lau Shun Man Fu Cheong Mutual Help Child Care Centre
35	協康會富昌中心 Heep Hong Society Fu Cheong Centre
36	東華三院凌瑞英中心 Tung Wah Group of Hospitals Ling Sui Ying Centre
37	深水埗(南)綜合家庭服務中心 Shamshuipo (South) Integrated Family Service Centre
38	香港輪椅輔助隊 Hong Kong Wheelchair Aid Service Limited

項目 Item	住宅項目 Residential Development
39	碧海藍天 Aqua Marine
40	海麗邨 Hoi Lai Estate
41	凱德苑 (發祥街西房屋發展項目) Hoi Tak Court (Housing Development at Fat Tseung Street West)
42	海盈邨 及 凱樂苑 (連翔道房屋發展項目) Hoi Ying Estate and Hoi Lok Court (Housing Development at Lin Cheung Road)
43	海達邨 (西北九龍填海區第6號地盤) Hoi Tat Estate (NWKR Site 6)
44	富昌邨 Fu Cheong Estate
45	匯豐 (港鐵南昌站上蓋物業發展) Cullinan West (Property Development Above MTR Nam Cheong Station)
46	南昌邨 Nam Cheong Estate