

**Attachment 1: Replacement Pages of Geotechnical Planning
Review Report**

Maintenance responsibility of feature located in vicinity to the proposed development:

Feature No.	Sub-division No.	Maintenance Responsibility
11SW-C/F 443	-	Highways Department
11SW-C/C 87	1	RBL136RP
	2	Highways Department
11SW-C/R 19	-	Highways Department
11SW-C/R 474	-	RBL136RP
11SW-C/FR 319	-	RBL136RP
11SW-C/C 922	-	Highways Department
11SW-C/C 923	-	Highways Department

The description of the above features is summarized below:-

Feature No. 11SW-C/F 443 (Wholly Outside Site boundary)

This feature is located at the northwest of the site. Both crest of the feature is bounded by road/footpath with very heavy traffic density. The toe of the feature is bounded by road/footpath with moderate traffic density. This cut slope is about 36m in height and 107m in length with slope gradient of about 28°. The surface of the feature is wholly covered with vegetation. The maintenance responsibility belongs to **Highways Department**.

Feature No. 11SW-C/C 87 (Partly Within Site boundary)

This feature is located at the northeast of the site. The crest of this feature is bounded by road/footpath with heavy traffic density and the toe of this feature is bounded by school. This cut slope is about 9m in height and 130m in length with slope gradient of about 55°. The surface of the feature is mainly covered with shotcrete. It consists of 60mm diameter weepholes at 1.2m spacing. 300mm diameter water main and 750mm diameter sewer/drain are located on the crest area. Two drainages are located at toe and on slope with same diameter of 300mm. The maintenance responsibility of sub-division 1 belongs to the **RBL136RP** while that of sub-division 2 belongs to the **Highways Department**.

Feature No. 11SW-C/R 474 (Wholly Within Site boundary)

This feature is located at the south of the site. The crest of this feature is bounded by road/footpath with low traffic density and the toe of this feature is bounded by indoor car park. This wall is about 5m in height and 38m in length with slope gradient of about 85°. Electricity line is located on the wall part with diameter not determined. The drainage is located at toe with diameter of 125mm. The maintenance responsibility belongs to the **RBL136RP**.

Feature No. 11SW-C/R 19 (Wholly Outside Site boundary)

This feature is located at the northwest of the site. The crest of this feature is bounded by road/footpath with heavy traffic density and the toe of this feature is bounded by lightly used open area/ facilities. This wall is about 6m in height and 148m in length with slope gradient of about 90°. The drainage is located at toe with diameter of 300mm. The maintenance responsibility belongs to **Highways Department**.

Feature No. 11SW-C/FR 319 (Partly Within Site boundary)

This feature is located at the southwest of the site. The crest of this feature is bounded by school and the toe of this feature is bounded by road/footpath with moderate traffic density. The slope part of the feature is about 12m in height and 155m in length with slope gradient of about 40° while the wall part is about 12m in height and 150m in length with slope gradient of about 80°. The surface of the feature is wholly covered with shotcrete. It consists of 50mm diameter weepholes at 2m spacing in wall part. Electricity line is located on slope with diameter not determined. Drainages at crest of both slope and wall are with diameter of 225mm while drainage on slope is with diameter of 900mm. The maintenance responsibility belongs to the **RBL136RP**.

Feature No. 11SW-C/C 922 (Wholly Outside Site boundary)

This feature is located at the southwest of the site. The crest of this feature is bounded by undeveloped green belt and the toe of this feature is bounded by road/footpath with moderate traffic density. This cut slope is about 15.1m in height and 64m in length with slope gradient of about 63°. Berm is located on slope with minimum width of 2.5m. The surface of the feature is covered with vegetation, shotcrete and other protection cover. Four drainages are located at berm, crest, toe and on slope with diameter of 225mm. The maintenance responsibility belongs to the **Highways Department**. It was upgraded by means of soil nails, screen wall, dowel bars, shotcrete, surface drainage system, replacement of existing Fill materials by cement soils, weepholes, etc.

Feature No. 11SW-C/C 923 (Wholly Outside Site boundary)

This feature is located at the southwest of the site. The crest of this feature is bounded by undeveloped green belt and the toe of this feature is bounded by road/footpath with moderate traffic density. This cut slope is about 12m in height and 79m in length with slope gradient of about 63°. The surface of the feature is wholly covered with shotcrete and other protection cover. Four drainages are located at crest, toe and on two slopeparts with diameter of 300mm. The maintenance responsibility belongs to the **Highways Department**.

2.3 Existing Green Belt Slope

Based on existing site topography, the subject lot is located at crest of a sloping terrain from approximate +128.5mPD down to approximate +72mPD to Victoria Road. No past record of instability was found along this terrain.

4.3 Proposed Site Formation

No hillside to be found at the horizontal upslope of the site boundary.

For construction of the buildings and formation of the development, portion of the existing slope or platform will be removed and to cater for the level difference between the existing slope profile and the final formation levels and extent for the construction of the proposed building and access road, retaining structures would be constructed if necessary.

Effect of Proposed Development to Features in the Vicinity

Feature No. 11SW-C/F 443 (Wholly Outside Site boundary)

This feature is located at the north-west side of the site along the lot boundary, proposed works area to be away from this feature. The design and construction of the proposed redevelopment is considered in such a way that the effect to this feature is insignificant and vice versa.

Feature No. 11SW-C/C 87 (Partly Within Site boundary)

The feature part within our site will be partially removed and proposed development is proposed at the toe of this feature. The level difference between the existing ground and proposed ground will be retained by retaining structure. The stability of the feature and effect from the proposed work will be checked against the current standard in the detailed design stage and modified if necessary.

Feature No. 11SW-C/R 19 (Wholly Outside Site boundary)

This feature is located at the north-west side of the site outside the lot boundary, proposed works area to be away from this feature. The design and construction of the proposed redevelopment is considered in such a way that the effect to this feature is insignificant and vice versa.

Feature No. 11SW-C/R 474 (Wholly Within Site boundary)

The feature part is located at the southern side of the site, which is supporting the existing access road connecting Pok Fu Lam Road. **The stability of the feature and effect from the proposed work and vice versa, will be checked against the current standard in the detailed design stage and modified if necessary.**

Feature No. 11SW-C/FR 319 (Partly Within Site boundary)

The feature part within our site will be removed and proposed development is proposed at the crest of this feature. The stability of the feature and effect from the proposed work will be checked against the current standard in the detailed design stage and modified if necessary.

Feature No. 11SW-C/C 922 (Wholly Outside Site boundary)

This feature is located at the south-west side of the site along the lot boundary, proposed works area to be away from this feature. The design and construction of the proposed redevelopment is considered in such a way that the effect to this feature is insignificant and vice versa.

Feature No. 11SW-C/C 923 (Wholly Outside Site boundary)

This feature is located at the south-west side of the site along the lot boundary, proposed works area to be away from this feature. The design and construction of the proposed redevelopment is considered in such a way that the effect to this feature is insignificant and vice versa.

Green Belt Slope

This sloping terrain is located at the south-west side of the site along the lot boundary, proposed works area to be away from this feature. The design and construction of the proposed redevelopment is considered in such a way that the effect to this sloping terrain is insignificant and vice versa.

4.4 Effect of Proposed Development to surrounding structures

The effect on adjacent ground / structures due to excavation and lateral support works will be further assessed. Any excavation and lateral support works required will be duly designed at the detailed design stage.

If pile foundation are proposed to support the building, all the foundation would be designed to be socketed into rock / founded on rock and the development will be designed in a way that all loads will be transferred to the rock stratum. Hence, it is considered that effect on adjacent ground due to the foundation work shall be insignificant.

4.5 Existing Utilities

At the current stage, information for existing utilities is not yet available. Prior to the commencement of pile wall / foundation construction, inspection pits would be dug by hand tool to identify the exact location of the surrounding utilities. If necessary, diversion of the utilities would be carried out.

Excavation and Lateral Support

If pile walls are proposed for ELS works, ground movement due to the deflection of the pile wall and groundwater drawdown may cause adverse effect on the surrounding utilities. The ELS works should be designed in a manner that the effect of the proposed works should be minimal and does not impose any adverse effects on adjacent grounds and structures.

Foundation

If pile foundation works are proposed to support the building, the foundation works may cause negligible vibration to the surroundings. It is considered that the proposed foundation works would not render any adverse effects on the surrounding utilities.

Comprehensive monitoring programme on the surrounding utilities is proposed to monitor the effect of the proposed works on the surrounding utilities.