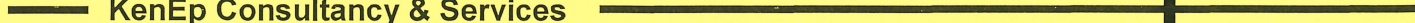




RINGKASAN EKSEKUTIF



KenEp Consultancy & Services

RINGKASAN EKSEKUTIF

Proposed Extension of Granite Quarry Operation on Lot 561486 (ML 131) and PT 283410 in Mukim Hulu Kinta, PT 18801 (PML 31/2020), PT 18802 (PML 32/2020) and Lot 304512 in Mukim Belanja, TOL A03/2021/21/9, TOL A03/2025/12 and PT 19729 in Mukim Tronoh With Total Area of 29.8677 Hectares (73.805 Acres) and Existing Granite Quarry Operation With An Area of 11.06 Hectares (27.28 Acres) on Lot 301803 (PML 30/2020) (formerly known as PT 2160) in Mukim Belanja, District of Kinta, Perak Darul Ridzuan

PENGERAK PROJEK

Simfoni Saujana Sdn. Bhd.
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KENYATAAN KEPERLUAN



Sumber
- Granit



Produk

- 12" x 18" blok
- 6" x 9" blok
- 50mm crusher run
- 10mm - 20mm agregat
- 20mm - 50mm agregat
- 0mm - 5mm habuk kuari
- Asphalt
- Precast concrete (U-drains and road curbs)



Keperluan
- Industri

KEPERLUAN PERUNDANGAN



Kualiti Alam Sekeliling (Aktiviti yang Ditetapkan)
(Penilaian Kesan Kepada Alam Sekeliling) 2015

- Jadual Pertama
- Aktiviti 19 : Pengkuarian Bahan Batuan

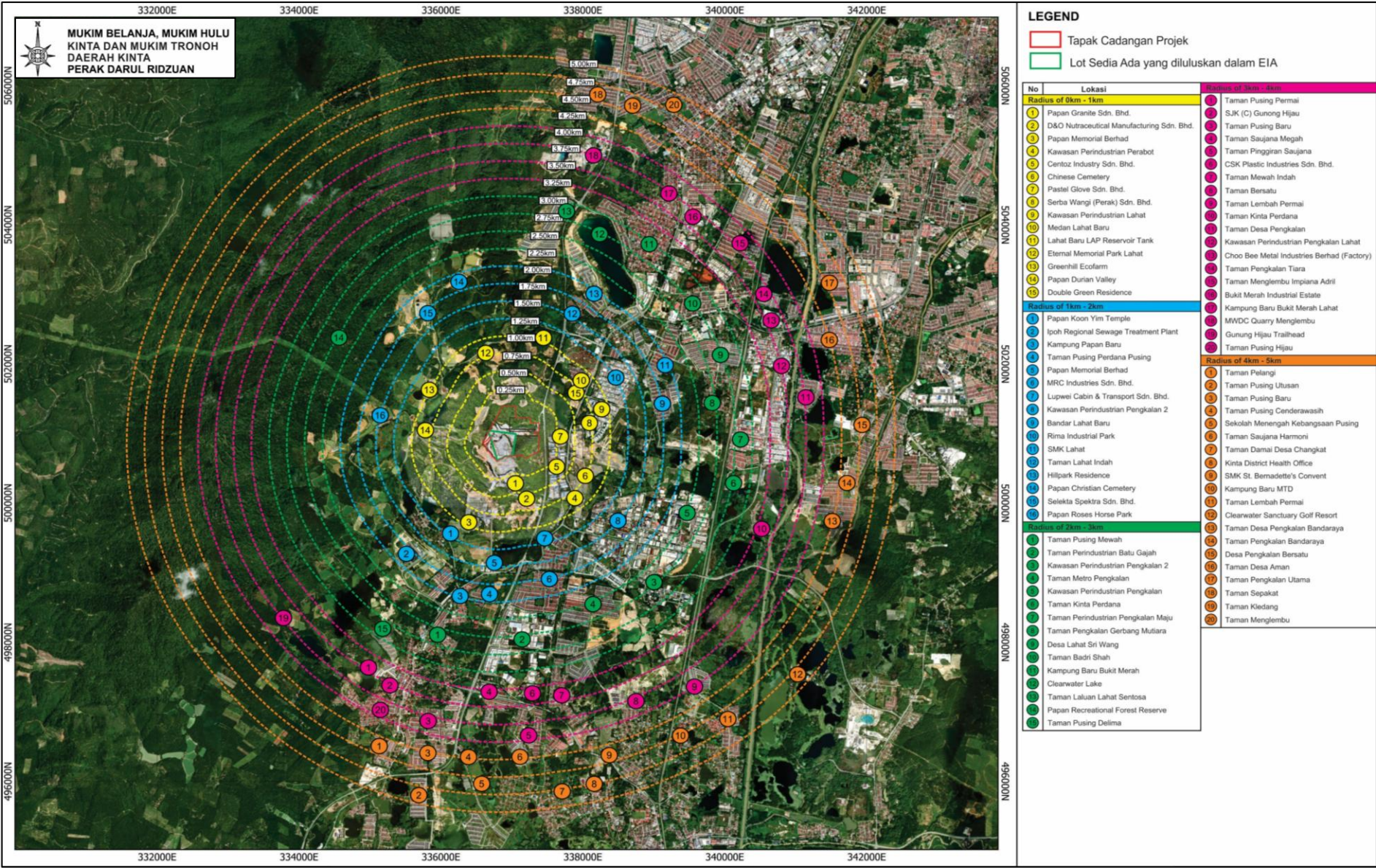
LOKASI PROJEK



Lot 561486 (ML 131) dan PT 283410 di Mukim Hulu Kinta, PT 18801 (PML 31/2020), PT 18802 (PML 32/2020), Lot 304512 dan Lot 301803 (PML 30/2020) (sebelumnya dikenali sebagai PT 2160) di Mukim Belanja, TOL A03/2021/21/9, TOL A03/2025/12 dan PT 19729 di Mukim Tronoh, Daerah Kinta, Perak Darul Ridzuan



Akses melalui jalan utama sedia ada (Lebuhraya Ipoh-Lumut) dari Lumut, kemudian belok kiri ke jalan sedia sejauh kira-kira 0.7km



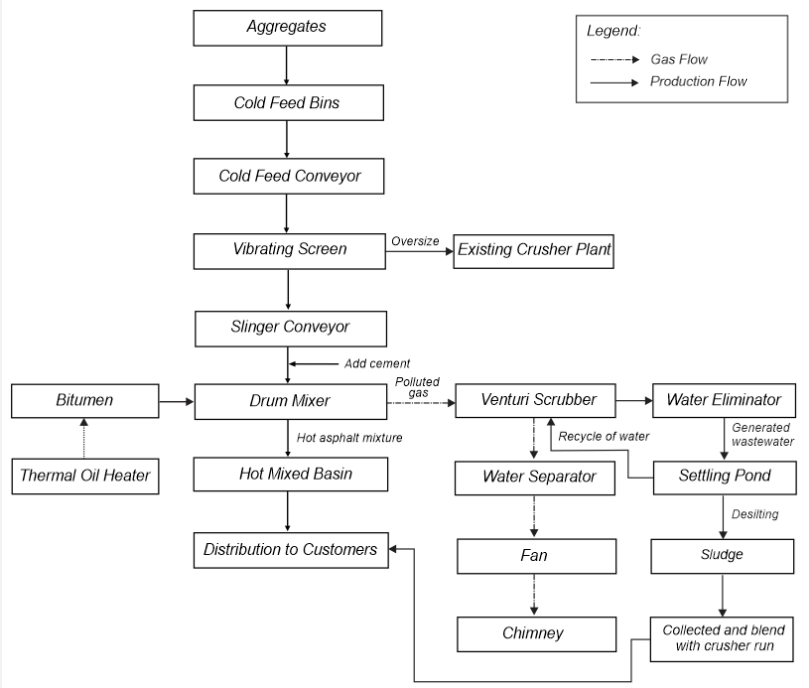
CARTA ALIRAN BAGI KESELURUHAN OPERASI KUARI



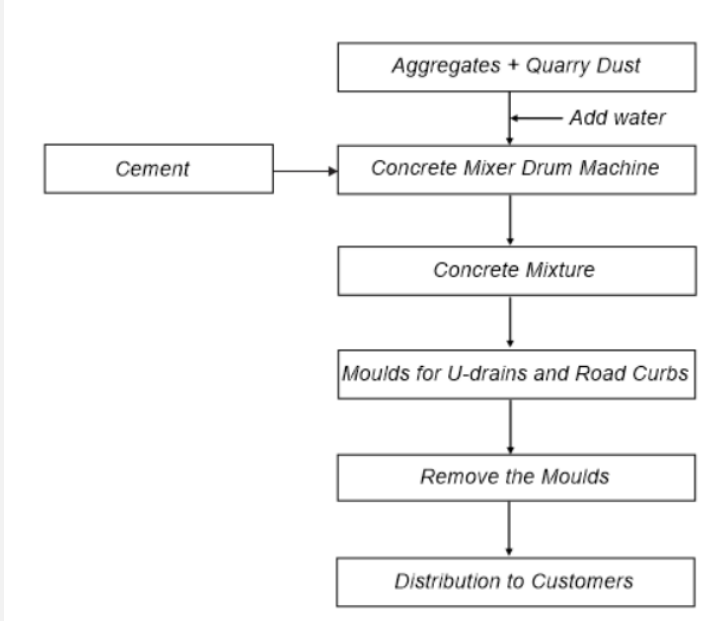
RINGKASAN EKSEKUTIF

Proposed Extension of Granite Quarry Operation on Lot 561486 (ML 131) and PT 283410 in Mukim Hulu Kinta, PT 18801 (PML 31/2020), PT 18802 (PML 32/2020) and Lot 304512 in Mukim Belanja, TOL A03/2021/21/9, TOL A03/2025/12 and PT 19729 in Mukim Tronoh With Total Area of 29.8677 Hectares (73.805 Acres) and Existing Granite Quarry Operation With An Area of 11.06 Hectares (27.28 Acres) on Lot 301803 (PML 30/2020) (formerly known as PT 2160) in Mukim Belanja, District of Kinta, Perak Darul Ridzuan

CARTA ALIRAN PROSES LOJI ASPHALT PREMIX



CARTA ALIRAN PROSES PEMBUATAN PRECAST CONCRETE (U-DRAINS DAN ROAD CURBS)



PERSEKITARAN SEDIA ADA



Topografi

Cadangan tapak projek merangkumi kawasan berbukit dengan ketinggian dari 40 m ke 180 m RL.



Geologi

Terdiri daripada *acid intrusive (undifferentiated)*



Tanah

Sebahagian besar kawasan di dalam tapak cadangan projek tergolong dalam kategori Tanah Curam (*Steepland*), manakala sebahagian kecil pula diklasifikasikan sebagai Tanah Lombong (*Mined Land*).



Hydrologi

- Tiada aliran sungai melintasi tapak cadangan projek.
- Oleh itu, pelepasan air larian dari tapak cadangan projek akan disalurkan ke dalam kolam perangkap mendap dan kemudiannya dilepaskan ke dalam kolam sedia ada yang terletak berhampiran tapak cadangan projek.



Meteorologi

- Stesen Hospital Batu Gajah
- Stesen Ipoh



Kegunaan Tanah

- Aktiviti utama: Perumahan - Lot 301803 (PML 30/2020) (sebelumnya dikenali sebagai PT 2160)
- Aktiviti utama: Industri - TOL A03/2021/21/9, TOL A03/2025/12, Lot 561486 (ML 131), PT 283410, PT 19729
- Aktiviti Utama: Perumahan - Lot 304512
- Aktiviti Utama: Pertanian dan Perumahan - PT 18801 (PML 31/2020), PT 18802 (PML 32/2020)
- Reseptor terdekat: Double Green Residence (0.70 km ke arah timur laut dari tapak cadangan projek)

AKTIVITI PROJEK

PENYIASATAN

Cadangan perluasan kawasan pengekstrakan batuan di Lot 561486 (ML 131), Lot 304512 dan PT 18802 (PML 32/2020)):

- Tinjauan lapangan
- Ukur dan pemetaan
- Penggerudian dan persampelan
- Kajian garis dasar alam sekitar
- Kajian Impak Alam Sekitar
- Penilaian teknikal dan kewangan

PEMBANGUNAN

Cadangan perluasan kawasan pengekstrakan batuan di Lot 561486 (ML 131), Lot 304512 dan PT 18802 (PML 32/2020) dan Penggalian batu di kawasan kuari sedia ada di Lot 301803 (PML 30/2020) (sebelumnya dikenali sebagai PT 2160):

- Penandaan sempadan dan kedudukan
- Mobilisasi tenaga kerja untuk pembersihan tapak
- Pengangkutan peralatan dan bekalan untuk pembersihan tapak
- Pembersihan tapak
- Pembinaan dan penyelenggaraan sistem perparitan
- Pembinaan kolam perangkap mendap
- Kerja menaiktaraf dan penyelenggaraan jalan dalaman sedia ada
- Penyelenggaraan fasiliti kuari sedia ada
- Pembinaan dan penyelenggaraan jalan pengangkutan ke *platform* kerja
- Pembuangan tanah beban
- Pembangunan muka kuari dan kawasan kerja
- Mewujudkan zon penampian
- Pengurusan sisa yang dihasilkan di tapak projek

PENGELUARAN

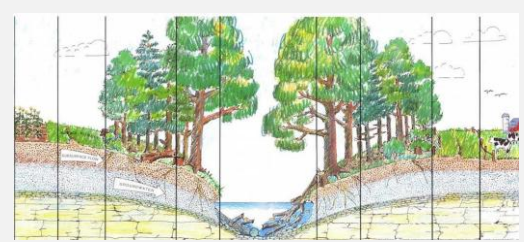
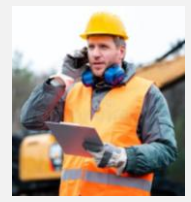
- Penggerudian
- Peletupan
- Penyimpanan Stok
- Penghancuran
- Penyaringan
- Pengangkutan batuan pecahan ke kawasan penyimpanan
- Proses loji *asphalt premix*
- Pembuatan *precast concrete (U-drain and road curbs)*
- Penyelenggaraan komponen BMPs

PENUTUPAN

- Demobilisasi infrastruktur dan kemudahan
- Pengurusan sisa buangan di tapak projek
- Memampat, meratakan, penggredan dan menampian tanah
- Perhutanan semula dengan penanaman di kawasan pengekstrakan batu atau mana-mana kawasan yang dikenal pasti yang tidak terjejas oleh aktiviti pengekstrakan batu dengan pokok yang cepat tumbuh dan rumput yang sesuai atau tanaman penutup bumi

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POTENSI IMPAK DAN LANGKAH – LANGKAH MITIGASI YANG DICADANGKAN

 Pencemaran Air/ Hakisan dan Pemendapan Tanah		 Kolam Perangkap Mendap	 Tanaman Tutup Bumi	 Longkang Tanah	 Spillage Kit	 Pemantauan kualiti air
 Pencemaran Bunyi dan Getaran		 Penutup telinga	 Program pemantauan tahap bunyi bising	 Plug telinga	 Papan Tanda Dilarang Masuk Semasa Perletupan Batu Dijalankan	 Dikendalikan oleh shotfirer yang diiktiraf
 Pencemaran Udara		 Program pemantauan kualiti udara	 Larangan Pembakaran Terbuka	 Kenderaan yang membawa bahan batuan keluar dari tapak perlu ditutup	 Water Browser	
 Ekologi Daratan		 Pemeliharaan Kawasan Hijau	 Dilarang pemburuan	 Menghubungi Jabatan PERHILITAN	 Mengekalkan zon penampungan riparian	
 Sisa Bahan Buangan		 Larangan Pembakaran Terbuka	 Pengurusan sisa pepejal	 Penyimpanan Sisa Bahan Buangan Terjadual Yang Ditetapkan	 Pengutipan sisa bahan buangan	
 Keselamatan dan Kesihatan Pekerja		 Pelaksanaan Emergency Response Plan (ERP)	 Pekerja menggunakan high visibility vest	 Personal Protective Equipment (PPE)	 Ujian Audiometrik	
 Sosioekonomi		 Keutamaan kepada keselamatan pekerja	 Upah pekerja tempatan	 Meningkatkan perniagaan		

RINGKASAN EKSEKUTIF

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CADANGAN PROGRAM PEMANTAUAN KUALITI ALAM SEKITAR

Komponen	Lokasi	Parameter & Frekuensi
Kualiti Pelepasan Akhir Kolam Perangkap Mendap	1 stesen (Pelepasan akhir dari kolam perangkap mendap (SB4))	Parameters: TSS, Turbidity Frekuensi: Setiap bulan
Kualiti Air	1 stesen (Longkang tanah berhampiran jalan akses sedia ada)	Parameters: pH, Temperature, DO, COD, BOD, TSS, Oil and Grease, Ammoniacal Nitrogen, Nitrate Frekuensi: Setiap bulan
Kualiti Ambien Udara	2 stesen (Sempadan tapak cadangan projek, Double Green Residence)	Parameter: PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ , CO, O ₃ Frekuensi: 3 bulan sekali
Tahap Bunyi Bising		Parameters: L ₁₀ , L ₅₀ , L ₉₀ , Total Leq dB(A) Frekuensi: 3 bulan sekali
Tahap Getaran	1 stesen (Berhampiran Lebuhraya Ipoh-Lumut)	Parameters: Airblast dan Vibration Frekuensi: Setiap letupan
Pelepasan Cerobong	1 stesen Cerobong (pelepasan dari burner & drum mixer)	Parameters: Total Particulate Matter Frekuensi: Setiap tahun sekali





EXECUTIVE SUMMARY



KenEp Consultancy & Services

EXECUTIVE SUMMARY

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PROJECT PROPONENT

Simfoni Saujana Sdn. Bhd.
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STATEMENT OF NEED



Source
- Granite



Products

- 12" x 18" blocks
- 6" x 9" blocks
- 50mm crusher run
- 10mm to 20mm aggregates
- 20mm to 50mm aggregates
- 0mm to 5mm quarry dust
- Asphalt
- Precast concrete (U-drains and road curbs)



Demand
- Industries

LEGISLATIVE REQUIREMENT



Environmental Quality (Prescribed Activities)
(Environmental Impact Assessment) Order 2015

First Schedule

- Prescribed Activity 19: Quarrying of Rock Material

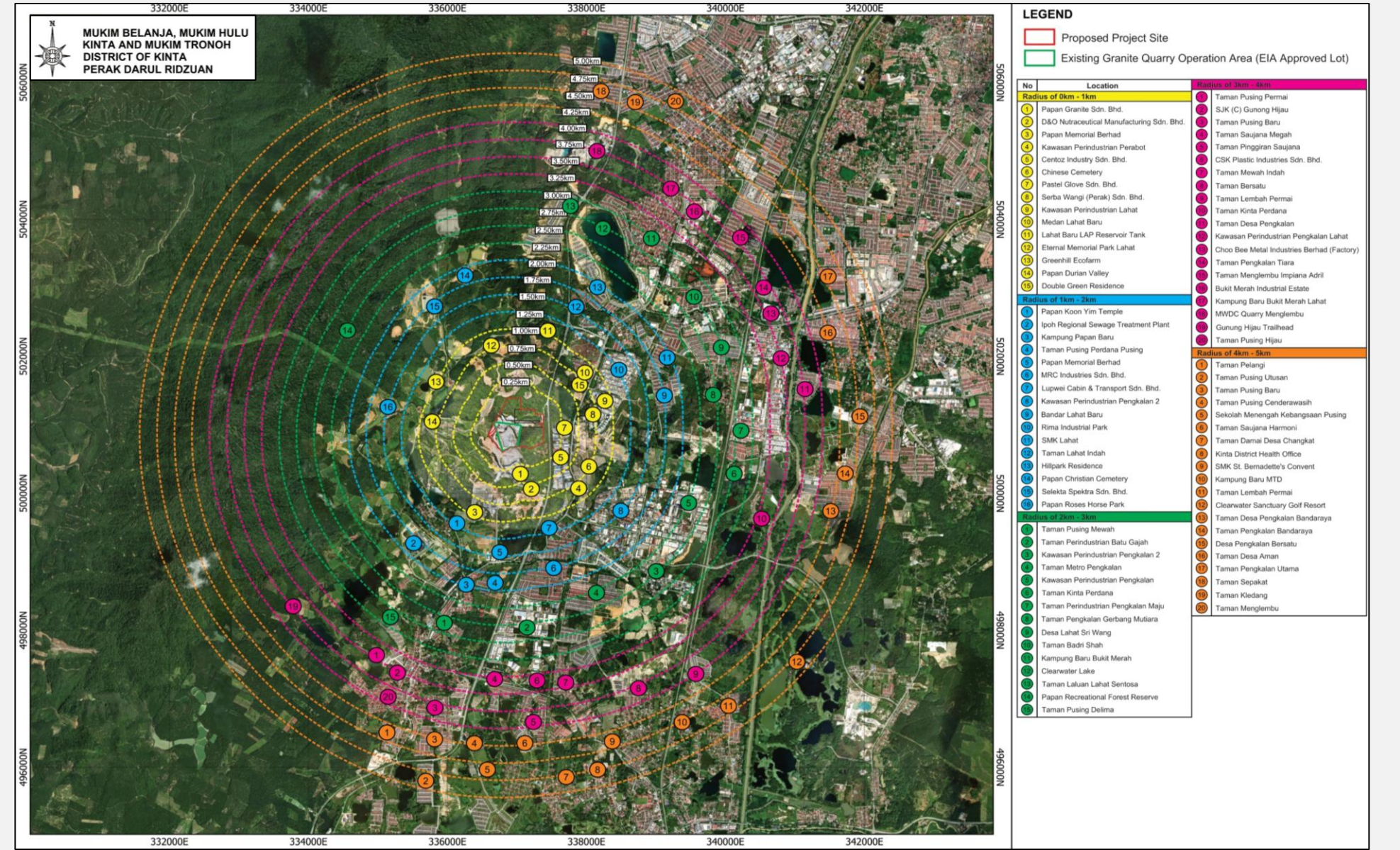
PROJECT LOCATION



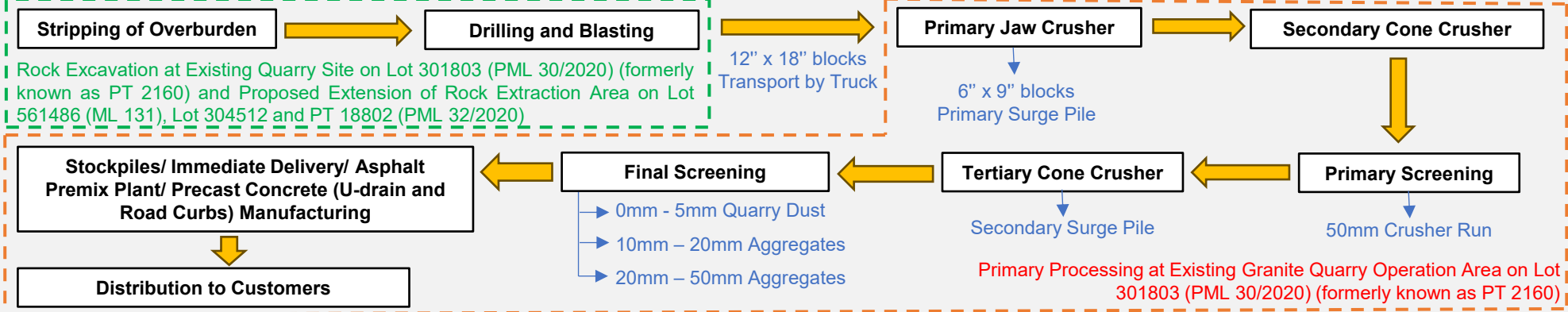
Lot 561486 (ML 131) and PT 283410 in Mukim Hulu Kinta, PT 18801 (PML 31/2020), PT 18802 (PML 32/2020), Lot 304512 and Lot 301803 (PML 30/2020) (formerly known as PT 2160) in Mukim Belanja, TOL A03/2021/21/9, TOL A03/2025/12 and PT 19729 in Mukim Tronoh, District of Kinta, Perak Darul Ridzuan



Accessed via the existing main road (Lebuhraya Ipoh-Lumut) from Lumut, then turning left into the existing access road for about 0.7km.

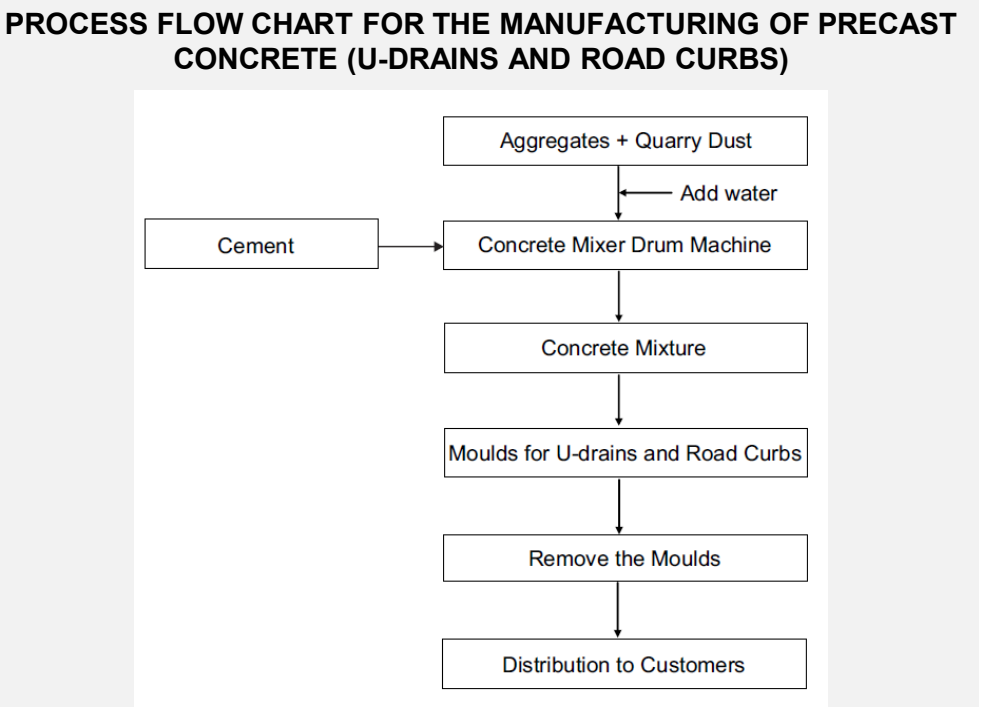
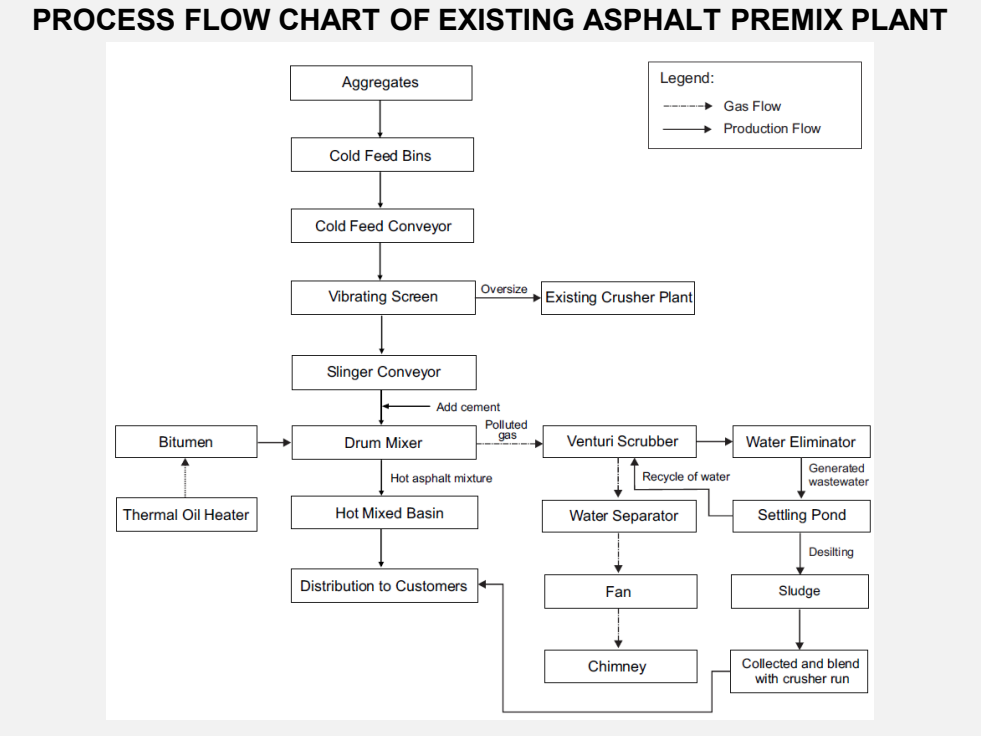


FLOW CHART OF THE OVERALL QUARRY OPERATION



EXECUTIVE SUMMARY

Proposed Extension of Granite Quarry Operation on Lot 561486 (ML 131) and PT 283410 in Mukim Hulu Kinta, PT 18801 (PML 31/2020), PT 18802 (PML 32/2020) and Lot 304512 in Mukim Belanja, TOL A03/2021/21/9, TOL A03/2025/12 and PT 19729 in Mukim Tronoh With Total Area of 29.8677 Hectares (73.805 Acres) and Existing Granite Quarry Operation With An Area of 11.06 Hectares (27.28 Acres) on Lot 301803 (PML 30/2020) (formerly known as PT 2160) in Mukim Belanja, District of Kinta, Perak Darul Ridzuan



EXISTING ENVIRONMENT

Topography

The topography of proposed Project site is generally undulating hilly terrain with the elevation range from 40 m to 180 m RL.

Hydrology

- There is no river and waterway identified within the proposed Project site.
- Thus, the runoff discharge from the proposed Project site will be channelled into series of proposed sediment basin and then final discharge into existing pond located nearby the proposed Project site.

Meteorology

- Hospital Batu Gajah Station
- Ipoh Station

Existing Landuse

- Main land use: Housing - Lot 301803 (PML 30/2020) (formerly known as PT 2160)
- Main land use: Industrial - TOL A03/2021/21/9, TOL A03/2025/12, Lot 561486 (ML 131), PT 283410, PT 19729
- Main land use: Housing - Lot 304512
- Main land use: Agriculture and Housing - PT 18801 (PML 31/2020), PT 18802 (PML 32/2020)
- Nearest receptor: Double Green Residence (0.70 km northeast of the proposed Project site)

Geology

Composed of acid intrusive (undifferentiated)

Soil

Majority of the soil within the proposed Project site falls under *Tanah Curam* (Steepland) category, while a small portion of the proposed Project site is classified as *Tanah Lombong* (Mined Land) category.

PROJECT ACTIVITIES			
INVESTIGATION	DEVELOPMENT	PRODUCTION	ABANDONMENT
Proposed Extension of Rock Extraction Area on Lot 561486 (ML 131), Lot 304512 and PT 18802 (PML 32/2020)): - Field reconnaissance - Surveying and mapping - Drilling and sampling - Environmental baseline studies - Environmental Impact Assessment - Technical and financial evaluation	Proposed Extension of Rock Extraction Area on Lot 561486 (ML 131), Lot 304512 and PT 18802 (PML 32/2020) and Existing Rock Extraction Area on Lot 301803 (PML 30/2020) (formerly known as PT 2160): - Boundary demarcation and positioning - Mobilization of workforce for site clearance - Transport of machinery and equipment for site clearance - Site clearing - Construction and maintenance of drainage system - Construction of sediment traps and sediment basin - Upgrading and maintenance of existing internal roads - Maintenance of existing quarry facilities - Construction and maintenance of haulage road to proposed working platform - Overburden removal - Quarry face and benches development - Creation of buffer zone - Managing waste at the proposed Project site	- Drilling - Blasting - Stockpiling - Crushing - Screening - Transportation of aggregates to stockpile area - Processing in asphalt premix plant - Precast concrete (U-drain and road curbs) manufacturing - BMPs maintenance	- Demobilisation of equipment and machineries - Waste management on site - Compaction, levelling, grading, and top soiling - A forestation by re-vegetate the rock extraction area or any identified areas which are not affected by rock extraction activities with fast-growing trees and suitable grasses or leguminous cover crops

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POTENTIAL IMPACTS & PROPOSED MITIGATION MEASURES



EXECUTIVE SUMMARY

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PROPOSED ENVIRONMENTAL MONITORING PROGRAM

Components	Location	Parameter & Frequency
Sediment Basin Final Discharge Quality	1 station (Final discharge from proposed sediment basin (SB4))	Parameters: TSS, Turbidity Frequency: Monthly
Water Quality	1 station (Earth drain near existing access road)	Parameters: pH, Temperature, DO, COD, BOD, TSS, Oil and Grease, Ammoniacal Nitrogen, Nitrate Frequency: Monthly
Ambient Air Quality	2 stations (Project boundary, Double Green Residence)	Parameter: PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂ , CO, O ₃ Frequency: Quarterly
Noise Level		Parameters: L ₁₀ , L ₅₀ , L ₉₀ , Total Leq dB(A) Frequency: Quarterly
Vibration Level	1 station (Beside the Ipoh-Lumut Highway)	Parameters: Airblast and Vibration Frequency: Every blast
Isokinetic Stack Emission	1 station Chimney (from burner & drum mixer)	Parameters: Total Particulate Matter Frequency: Yearly

