

# **RCRDC MPSA NO. 345-2010-IVA, AMENDED I PARCELS I AND III AREA C QUARRY PROJECT**

**Barangay Dalig, Municipality of Teresa, Rizal and  
Barangay San Jose, Antipolo City**



**Rapid City Realty and Development Corporation**

## **PROJECT DESCRIPTION FOR SCOPING**

**March 2019**

## TABLE OF CONTENTS

<b>1.0 BASIC PROJECT INFORMATION.....</b>	<b>1</b>
1.1    Project Information .....	1
1.2    Proponent Profile .....	2
<b>2.0 PROJECT DESCRIPTION.....</b>	<b>4</b>
2.1    Project Location and Area .....	4
2.2    Impact Area .....	10
2.3    Project Rationale .....	11
2.4    Project Alternative.....	11
2.5    Project Component.....	12
2.5.1    Quarry Operation.....	12
2.5.2    Drilling and Blasting .....	13
2.5.3    Crushing Plant .....	14
2.5.4    Siltation Pond.....	17
2.5.5    Access and Haul Roads.....	17
2.6    Project Size .....	17
2.6.1    Production Capacity and Area .....	17
2.6.2    Resources.....	18
2.7    Project Phases, Key Environmental Aspects, Issues, Built-in Measures.....	18
2.7.1    Pre-Construction Phase .....	18
2.7.2    Construction Phase .....	18
2.7.3    Operation Phase .....	19
2.7.4    Abandonment Phase.....	21
2.8    Project Cost.....	25
2.8.1    Estimated Capital Cost .....	25

## LIST OF FIGURES

<i>Figure 1 - Location Map of MPSA No. 345-2010-IVA, Amended I.....</i>	7
<i>Figure 2 - Sketch Map of MPSA 345 .....</i>	8
<i>Figure 3 - Sketch Map of the Project Area (ECC Area) .....</i>	9
<i>Figure 4 – Quarrying Cycle .....</i>	13
<i>Figure 5 – Aggregates Plant Material Flowsheet.....</i>	16

## LIST OF TABLES

<i>Table 1 - Technical Description of MPSA No. 345-2010-IVA, Amended I.....</i>	4
<i>Table 2. Summary Details Per Project Area .....</i>	10
<i>Table 3 – Programmed Production Capacity Per Area.....</i>	17
<i>Table 4 – Estimated Mineral Resources Per Project Area .....</i>	18
<i>Table 5 – Activities Per Project Area .....</i>	19
<i>Table 6 - List of Equipment for Parcel I Area 1 Quarry Project.....</i>	20
<i>Table 7 - List of Equipment for Parcel I Area 2 Quarry Project.....</i>	20
<i>Table 8 - List of Equipment for Parcel III Area C Quarry Project .....</i>	21
<i>Table 9 – Proposed Final Land Use per Project Area.....</i>	22
<i>Table 10 - Project Schedule .....</i>	24
<i>Table 11 - Estimated Capital Cost .....</i>	25
<i>Table 12 - Impact Management Plan.....</i>	26

## ANNEXES

Annex A – Copy of MPSA No. 345-2010-IVA

Annex B – Copy of ECC-R4A-1107-0339

Annex C – Copy of DENR Order consolidating other tenement to MPSA No. 345-2010-IVA, Amended I

Annex D – Copy of Quarry Plans, sections and resource estimates

Annex E – IEC Activity Report

Annex F – Initial Perception Survey Report

## 1.0 BASIC PROJECT INFORMATION

### 1.1 Project Information

Project Name	<b>RCRDC MPSA 345-2010-IVA, AMENDED I PARCELS 1 AND 3 QUARRY PROJECT</b>
Project Location	Parcel 1: Barangay Dalig, Municipality of Teresa, Province of Rizal Parcel 3 Area C: Sitio Sumilang, Barangay San Jose, Antipolo City
Permits	<p>Mineral Production Sharing Agreement (MPSA)</p> <p><b>MPSA No. 345-2010-IVA, Amended I</b></p> <p>Signed on June 09, 2010 Expanded June 27, 2016</p> <p>Total MPSA Area: 2,092.5644 hectares</p> <p>Parcel I: 749.3593 hectares Parcel II: 60.4400 hectares Parcel III Area A: 313.2056 hectares Parcel III Area B: 167.5524 hectares Parcel III Area C: 139.8961 hectares Parcel IV: 165.5866 hectares Parcel V: 496.5244 hectares</p> <p>Only portion of Parcels I and III Area C will be covered by this ECC application</p>
Nature of Project	A. Resource Extractive Industry (QUARRY PROJECT) 1. Parcel I Project Area 1 2. Parcel I Project Area 2 3. Parcel III Area C B. Crushing Plant 1. Parcel I Project Area 2 2. Parcel III Area C
Commodity	Parcel I Project Area 1: Pozzolan Parcel I Project Area 2: Silica/Aggregates Parcel III Area C: Silica/Aggregates
Size	<p>Parcel I Project Area 1: 22.63 hectares (Pozzolan) Location: Barangay Dalig, Municipality of Teresa, Province of Rizal Quarry Production Capacity of 1,200,000 MT/year for 16 years</p> <p>Parcel I Project Area 2: 19.397 hectares (Silica/Aggregates) Location: Barangay Dalig, Municipality of Teresa, Province of Rizal Quarry Production Capacity of 1,000,000 MT/yr for 16 years (silica) Crushing Plant at 1,000,000 MT/year capacity</p> <p>Parcel III Area C: 21.708 hectares (Silica/Aggregates) Sitio Sumilang, Barangay San Jose, Antipolo City Quarry Production Capacity of 1,000,000 MT/yr for 10 years Crushing Plant at 1,000,000 MT/year capacity</p> <p>(based on Competent Person Geologist Rolly Pena Final Explo Report)</p>

## 1.2 Proponent Profile

Proponent Name	Rapid City Realty and Development Corporation
Proponent Address	167 Sumulong Highway, Mayamot, Antipolo City
Contact Person	<p><b>Ms. Veronica Iñiguez Lee</b> President and General Manager</p> <p><b>Ms. Angelita Iñiguez Lee</b> Treasurer</p> <p>Telephone Numbers      (632) 645-3694 / (632) 645-3915                               (632) 645-5150 / (632) 645-5166</p> <p>Facsimile Numbers      (632) 645-7697</p>

**Rapid City Realty and Development Corporation** (hereafter referred as the “RCRDC”) is a domestic corporation registered with the Securities and Exchange Commission (SEC) on March 14, 1988 under SEC Registration No. 149430.

RCRDC have been in the business of quarrying since 1988 with its initial project in Barangay Inarawan, Antipolo City. With this project, the company takes pride for itself for having been religiously complying with government requirements thus, an ensured environment friendly and best practice operation. This is manifested by its strict adherence/compliance with the conditions stipulated in the Environmental Compliance Certificates (ECC), the terms and conditions in their permits from the Laguna Lake Development Authority (LLDA) and clearances from the concerned agencies and entities.

The company is also proud of its major role in the economic growth of the country by supplying quality aggregates to the construction business and infrastructure industry which ensure the stability of structures making it safe and sound and can stand the test of time.

The tenement was originally designated as AMA-IVA-232. The MPSA was approved by DENR on June 9, 2010 for a total area of Rapid City Realty and Development Corporation 1,015.1690 hectares. The approved MPSA is attached as “**Annex A**.” In 2011, a portion of Parcel I was slated to be developed for quarrying. In this regard, exploration work, permitting, community and LGU consultations, among others, were conducted. On July 25, 2011, an Environmental Compliance Certificate (ECC), designated as ECC-R4A-1107-0339 was issued to RCRDC for an area of 177,697.00 square meters (attached herewith as “**Annex B**”). The remaining areas of the tenement, with an aggregate area of 809.7993 hectares, consist of two parcels, situated in Teresa, Morong, Binangonan and Angono, all in the Province of Rizal.

The MPSA was expanded and the area coverage was amended through an MGB Order dated June 27, 2016 (Annex "C") by annexing EPA-IVA-112, EP-IVA-017 and EPA-IVA-136 bringing the total MPSA area to 2,092.5644 hectares. Through the same Order, MPSA No. 345-2010-IVA is now denominated as MPSA No. 345-2010-IVA Amended I.

## 2.0 PROJECT DESCRIPTION

### 2.1 Project Location and Area

MPSA No. 345-2010-IVA, Amended I is bounded by the geographical coordinates shown in **Table No.**

**1. See *Figure No. 1 – Location Map* and *Figure No. 2 – Sketch Map of MPSA No. 345-2010-IVA, Amended I.*** The MPSA have five (5) parcels covering an area of 2,092.5644 hectares. Parcel I has an area of 749.3593 hectares is within the Municipality of Teresa; Parcel II has an area of 60.4400 hectares located in the Municipality of Angono; Parcel III have three (3) areas designated as Area A with 313.2056 hectares, Area B has 167.5524 hectares, Area C has 139.8961 hectares all located in Antipolo City; Parcel IV occupies an area of 165.5866 hectares located in the Municipality of Morong; and Parcel V occupies an area of 496.5244 hectares located in Municipality of San Mateo and Antipolo City.

The proposed Project will be limited to Parcels I at 42.07 hectares in Barangay Dalig, Municipality of Teresa and Parcel III Area C at 21.708 hectares in Sitio Sumilang, Barangay San Jose, City of Antipolo.

***Table 1 - Technical Description of MPSA No. 345-2010-IVA, Amended I***

#### Parcel I

Corner	Latitude	Longitude
1	14°32'00.00"	121°13'30.00"
2	14°32'30.00"	121°13'30.00"
3	14°32'30.00"	121°13'15.00"
4	14°33'00.00"	121°13'15.00"
5	14°33'00.00"	121°14'30.00"
6	14°33'30.00"	121°14'30.00"
7	14°33'30.00"	121°13'10.00"
8	14°33'36.00"	121°13'14.00"
9	14°33'36.00"	121°14'30.00"
10	14°34'00.00"	121°14'30.00"
11	14°34'00.00"	121°14'00.00"
12	14°34'30.00"	121°14'00.00"
13	14°34'30.00"	121°13'52.52"
14	14°34'26.17"	121°13'51.82"
15	14°34'24.61"	121°13'41.37"
16	14°34'30.00"	121°13'42.67"
17	14°34'30.00"	121°13'33.32
18	14°34'39.82"	121°13'33.32
19	14°34'40.73"	121°13'26.08
20	14°34'45.00"	121°13'19.98
21	14°35'00.00"	121°13'30.00
22	14°35'00.00"	121°13'35.00

Corner	Latitude	Longitude
23	14°34'34.60"	121°13'39.70
24	14°34'43.50"	121°13'55.00
25	14°34'30.00"	121°14'00.00
26	14°34'30.00"	121°14'30.00
27	14°34'00.00"	121°14'54.00
28	14°34'00.00"	121°15'00.00
29	14°32'30.00"	121°15'00.00
30	14°32'30.00"	121°14'00.00
31	14°32'00.00"	121°14'00.00

**Parcel II**

Corner	Latitude	Longitude
1	14°32'00.00"	121°10'46.20"
2	14°32'24.00"	121°10'46.20"
3	14°32'24.00"	121°10'41.00"
4	14°32'30.00"	121°10'41.00"
5	14°32'43.00"	121°10'37.00"
6	14°32'43.00"	121°11'00.00"
7	14°32'00.00"	121°11'00.00"

**Parcel III, Area A**

Corner	Latitude	Longitude
1	14°38'15.00"	121°12'30.00"
2	14°39'00.00"	121°12'30.00"
3	14°39'00.00"	121°12'00.00"
4	14°39'45.00"	121°12'00.00"
5	14°39'45.00"	121°12'15.00"
6	14°39'00.00"	121°13'00.00"
7	14°38'15.00"	121°13'18.00"

**Parcel III, Area B**

Corner	Latitude	Longitude
1	14°37'00.00"	121°13'00.00"
2	14°37'26.00"	121°13'00.00"
3	14°37'45.00"	121°13'30.00"
4	14°37'30.00"	121°13'48.00"
5	14°37'30.00"	121°14'00.00"
6	14°37'00.00"	121°13'40.00"

**Parcel III, Area C**

Corner	Latitude	Longitude
1	14°35'30.00"	121°14'19.54"
2	14°35'36.52"	121°14'19.54"
3	14°35'36.52"	121°14'46.27"

Corner	Latitude	Longitude
4	14°35'56.04"	121°14'46.27"
5	14°35'56.04"	121°14'32.90"
6	14°35'49.52"	121°14'32.90"
7	14°35'49.52"	121°14'09.81"
8	14°36'07.50"	121°14'09.81"
9	14°36'07.50"	121°14'16.70"
10	14°36'15.00"	121°14'23.60"
11	14°36'15.00"	121°15'00.00"
12	14°35'30.00"	121°15'00.00"

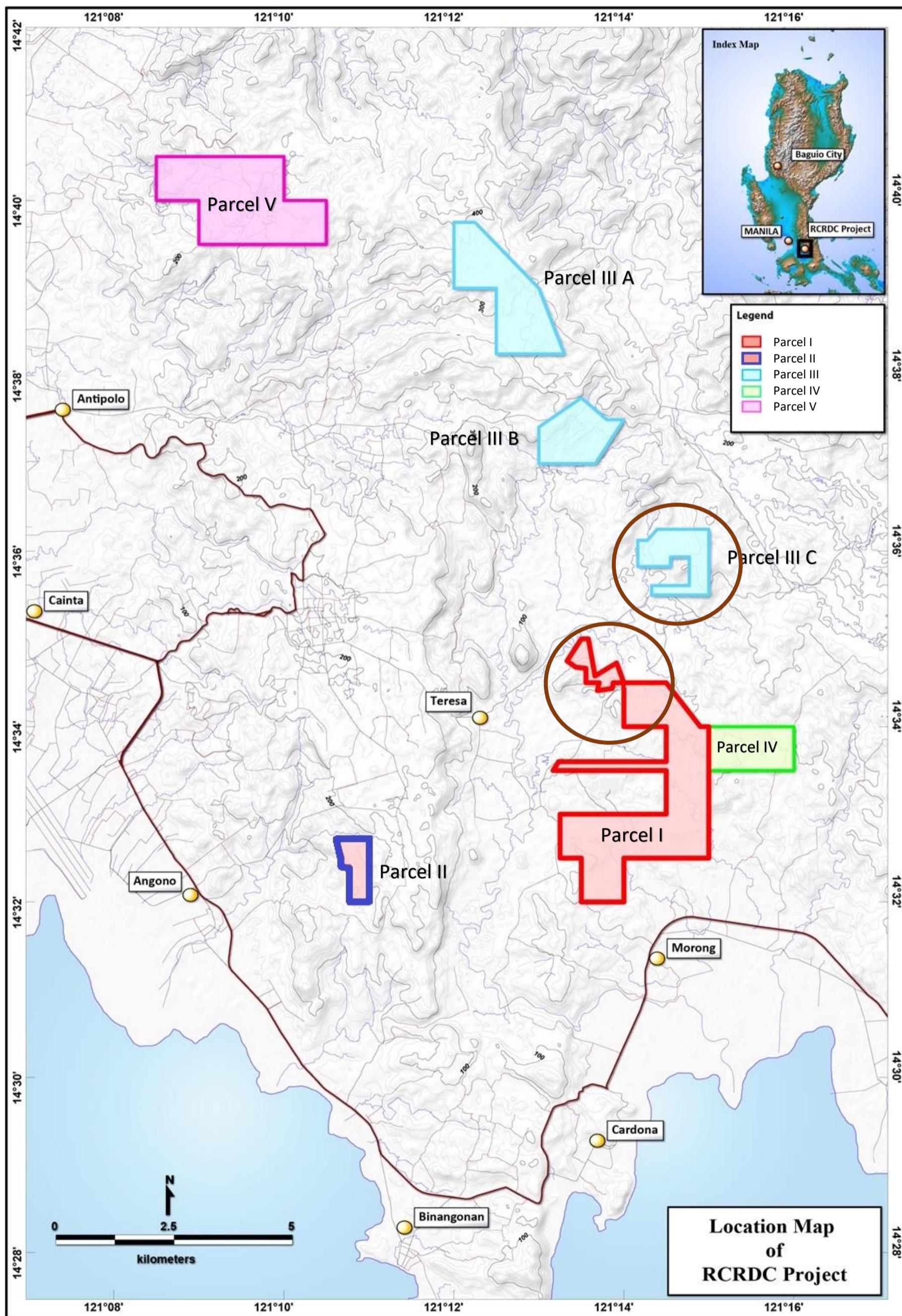
**Parcel IV**

Corner	Latitude	Longitude
1	14°33'30.00"	121°15'00.00"
2	14°34'00.00"	121°15'00.00"
3	14°34'00.00"	121°16'00.00"
4	14°33'30.00"	121°16'00.00"

**Parcel V**

Corner	Latitude	Longitude
1	14°39'30.00"	121°09'00.00"
2	14°40'00.00"	121°09'00.00"
3	14°40'00.00"	121°08'30.00"
4	14°40'30.00"	121°08'30.00"
5	14°40'30.00"	121°10'00.00"
6	14°40'00.00"	121°10'00.00"
7	14°40'00.00"	121°10'30.00"
8	14°39'30.00"	121°10'30.00"

Figure 1 - Location Map of MPSA No. 345-2010-IVA, Amended I



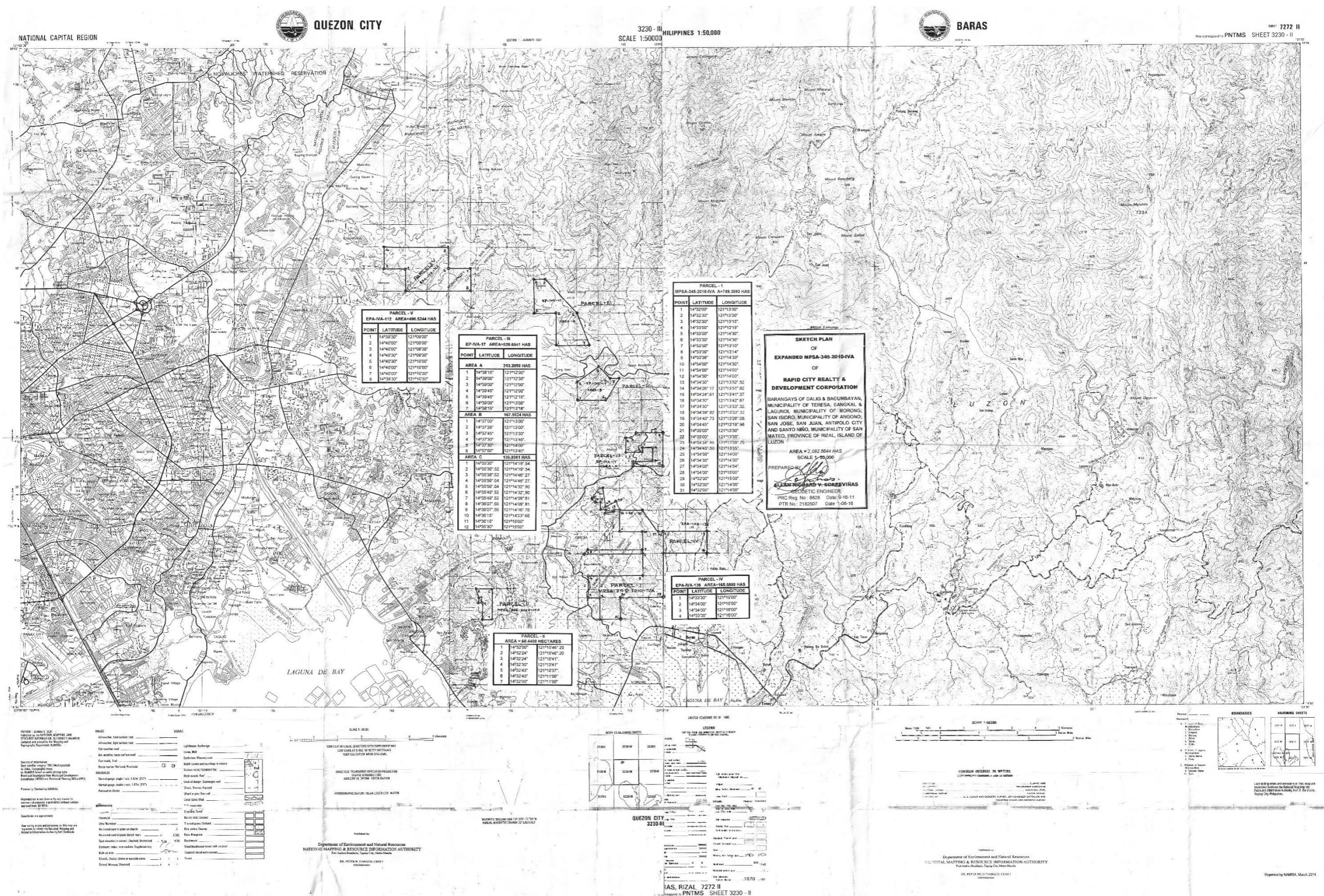


Figure 2 - Sketch Map of MPSA No. 34-2010-IVA

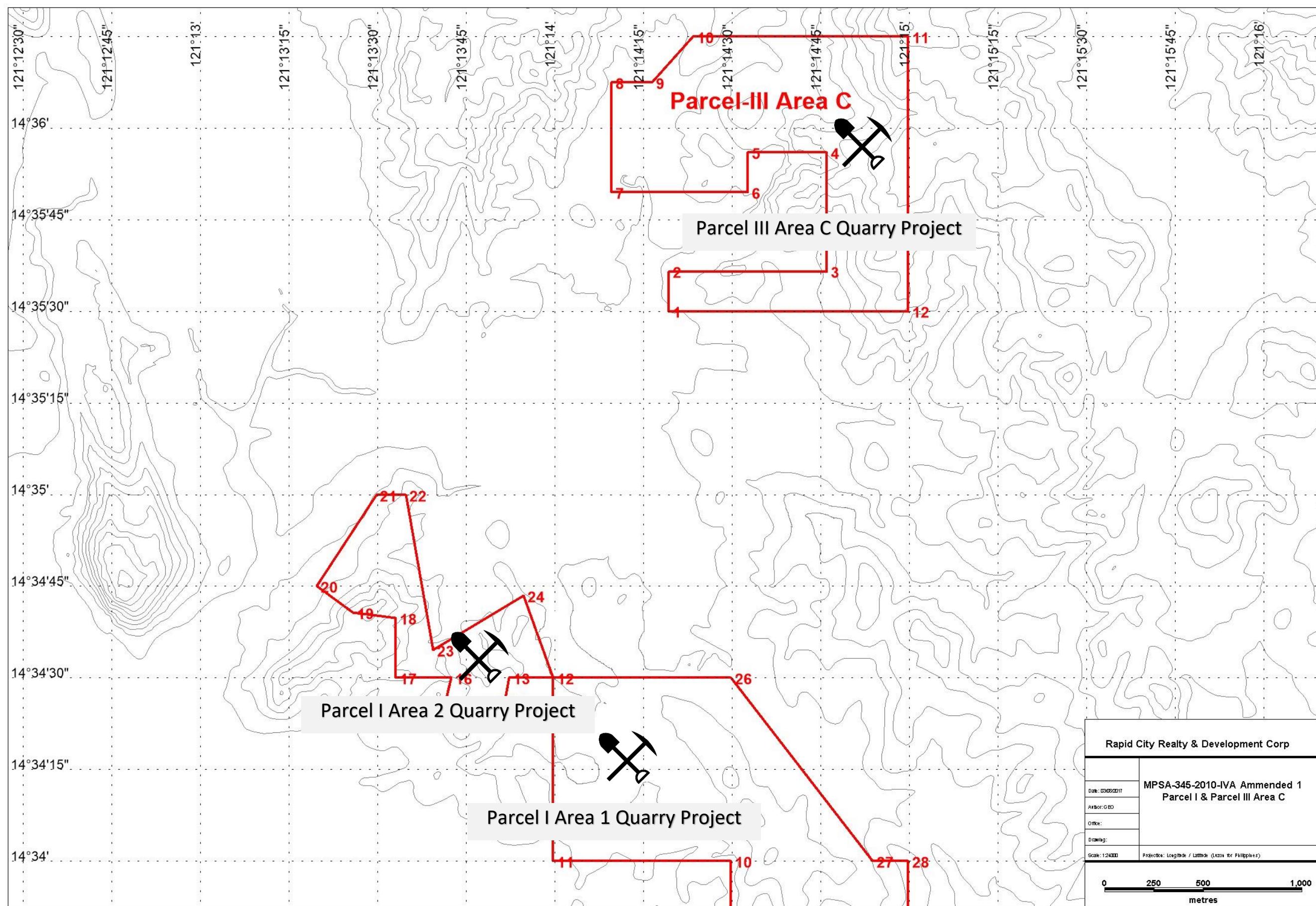


Figure 3 - Sketch Map of the Project Area (ECC Area)

The Proposed Parcel I, Project Area 1 and Project Area 2 Quarry Project are both situated in Barangay Dalig, Municipality of Teresa, Province of Rizal covering 22.63 hectares of pozzolan and 19.397 hectares of silica/aggregates, respectively. The Proposed Parcel III, Area C Quarry Project is situated in Barangay San Jose, Antipolo City covering 21.708 hectares of silica/aggregates. Aside from being covered by RCRDC's mining rights under the MPSA, the surface rights or the total 63.735-hectare area is also owned by RCRDC.

## 2.2 Impact Area

The area subjected to Environmental Impact Assessment (EIA) is base on the perceived direct and indirect impact area of the proposed project. As stipulated in DAO 2003-30, direct impact areas, in terms of physical environment, are those where all project facilities are to be constructed/situated and the designated project area. On the other hand, areas not directly subjected to any activities/construction and those outside the project area but are within the jurisdiction of the Municipality of Rizal and City of Antipolo (e.g. stretch of river draining the project area, communities along haul roads) are considered as indirect impact areas.

Consistent with the provision of DAO 2010-21, known as the "*Consolidated Implementing Rules and Regulations of the Philippine Mining Act of 1995*", the direct impact barangay in Parcel Project Area 1 and Project Area 2 is Barangay Dalig while the indirect impact area is the Municipality of Rizal. In Parcel III Area C the direct impact area is Barangay San Jose specifically Sitio Abuyod while the indirect area is the City of Antipolo.

**Table 2. Summary Details Per Project Area**

	Parcel I Project Area 1	Parcel I Project Area 2	Parcel III Area C
<b>Applied Area</b>	22.63 hectares	19.397 hectares	21.708 hectares
<b>Total MPSA area</b>	749.3593 hectares	749.3593 hectares	139.8961 hectares
<b>Quarry Capacity</b>	1,200,000 MT/year for 16 years	1,000,000 MT/yr for 16 years (silica)	1,000,000 MT/yr for 10 years
<b>Crushing Plant Capacity</b>	No crushing plant	1,000,000 MT/year capacity	1,000,000 MT/year capacity
<b>Direct Impact Area</b>	Barangay Dalig, Municipality of Teresa, Province of Rizal	Barangay Dalig, Municipality of Teresa, Province of Rizal	Sitio Sumilang, Barangay San Jose, Antipolo City
<b>Indirect Impact Area</b>	Municipality of Teresa	Municipality of Teresa	City of Antipolo

### **2.3 Project Rationale**

The Company is proposing to put-up the project not just for profit, but for the development of the community. The area is a good source of aggregates, and is not suitable for agricultural use. The National Government and the LGU will benefit from the project through taxes, fees, and duties it would garner. It will also promote employment to the local community, and provisions of community development projects. The key beneficiaries will include the local workforce and businesses allied to the mining operations. Education and development of new enterprises in the host communities will create employment and new skills.

Substantial earnings could be derived from direct employment while potential additional earning could be derived from entrepreneurship. Health and sanitation would be improved as support from the company in form of available medical team could be relied upon. Improvement of infrastructure will provide better services to the community. This will develop them into future better students and hopefully obtain good employment.

Skills acquired as a result of employment and technology transfer is useful for other opportunities that might come along. Revenues in form of taxes and other valuable monetary support from SDMP, EPEP and FMR/DP could also be realized.

### **2.4 Project Alternative**

The Project area is within a Mineral Sharing Agreement (MPSA) entered into partnership of the Philippine Government with RCRDC. The intent of the MPSA is to utilize the mineral resources therein. Likewise, the proposed quarry areas within the MPSA belong to RCRDC.

There are no other alternative to extract these mineral resources but only thru quarrying. Extraction of mineral resources is dictated by the location, size, depth and quality of the mineral resource. Considering that the mineral deposit is near surface, loose and non-metallic, the only feasible method for the project is thru quarrying.

After the Project, since RCRDC is also into the business of realty, the Project area will be rehabilitated into a subdivision and/or farm lot project.

## 2.5 Project Component

### 2.5.1 Quarry Operation

Method of operation to be utilized by the project is quarrying using conventional heavy equipment. The quarry operation will be divided into three (3) stages; the quarry development, the production stages and rehabilitation.

Development phase is the stage in quarrying where preparation for full blasts production will be carried out. It will involve stripping, removal of vegetative covers and the overburden, drill and blasting, establishment of bench face and a floor, drainage canals and access roads to the deposit. The production bench will be divided into a series of slices of ten (10) meter high and a 70° bench slope during production stage and five (5) meters in development areas. Development work will generally start from the uppermost portion of the area and progresses downward. A portion of the deposit will be sliced until a bench face with a slope of about 70° and a floor width of 30 meters, will be formed enough to sustain the safe movement of quarry equipment. Once a bench is formed, a new working level below (10m) will be worked out to form another set of production bench. Should topography warrant, the cycle of creating a new working level (benches) at lower elevation will continue until desired target is reached. Pozzolan will be extracted while access and benches are being established. Generally, the working parameters of the pozzolan quarry will be the following:

	<u>Devt / Prod'n stage</u>	<u>Final Pit</u>
Bench slope	70° - 75°	30°
Bench height	10m	5m
Bench width	5m (min.)	15m
Pit slope	60° (max.)	45°

During quarry development work, it is expected that overburden or waste material will be produced. The said overburden will be utilized as backfilling materials for the progressive rehabilitation.

The extraction or production stage is the actual removal of the deposit from the developed (cleared) benches. The major activities in this stage are drilling for quality control and blasting, ripping and dozing on ground followed by loading and hauling.

Blasted pozzolan materials from the bench will be loaded by either a wheel loader or power shovel excavator into a dump trucks and/or Off Road Highway Truck and will be transported to the stockpile area. The cycle of drilling for quality control, blasting, excavation, loading and

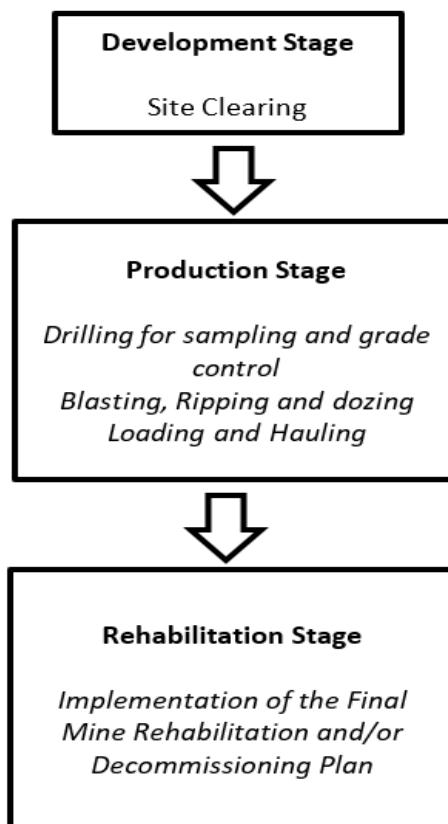
hauling continues until all programmed benches have been subjected for production and resource exhaustion.

### **2.5.2 Drilling and Blasting**

Drilling and Blasting will be part of the production operation for hard ores. Blasting shall be performed in outmost care and with the highest degree of practice in safety. Only blasting contractor that has the most advance blasting technology, duly registered and has the necessary license from government agency shall be awarded with the contract.

Non-electric detonation will be use for the initiation of the blasting sequence. This is to minimize the effect of blasting such as air blast, excessive ground vibration and fly rock. To avoid any accident from happening, a strict blasting procedure will be followed in coordination with the contractor and the company.

Typical quarry cycle involves the following:



**Figure 4 – Quarrying Cycle**

The Quarry Plans, Sections and resource estimates are attached as **Annex D**.

### **2.5.3 Crushing Plant**

A 1,000,000 MT/year capacity crushing plant will be constructed for Parcel I Project Area 2 Quarry Project and Parcel III Area C Quarry Project. Crushing involve the reduction of the ore into sizes suitable for the client requirement.

#### **1. Primary Crushing**

Raw material is transported from the quarry using Off Road Dump Trucks and unloaded into the hopper of the primary crushing plants. Typically, the crushing operation is adjacent to the quarry. From the hopper, the material is brought to the primary jaw crushers via the apron feeder.

The boulders with a maximum size of 0.80 meter are initially crushed in the primary crushers to reduce the size down to 0.25 meter maximum and are conveyed to the surge pile by the jaw conveyor.

#### **2. Scalping**

Directly underneath the surge pile is an underground vibrating feeder which feeds the surge pile materials through a conveyor up to the initial screening stage known as the scalping screen.

Materials larger than the maximum scalping screen opening of 3" to 4" are conveyed to the secondary crushing stage while materials that passed through the 1½" to 2" screen go to the base course or the sub base course product stockpile.

#### **3. Secondary Crushing**

The secondary crushing is done using a cone crusher and after this stage, the materials are conveyed via the main conveyor going to the vibrating sizing screens.

#### **4. Screening/Sorting**

The process involves segregation of materials that were crushed into smaller particles and these reduced particles passed through the multi layered vibrating screens. From the screens, the materials are conveyed directly to the different finished product stockpiles.

The vibrating screens equipped with high-pressure water spray bars consist of four (4) decks of different wire screens control that screens and separate different sizes of aggregates. The oversize materials of the vibrating screens are then fed to tertiary crushers for further size reduction and are conveyed back to vibrating screens.

The first deck of the vibrating screen produces G-1 aggregates; the second deck is  $\frac{3}{4}$ " aggregates; the third deck is  $\frac{3}{8}$ " aggregates; and the last deck is sand (S-1).

The sand in pulp is fed to the spiral classifier where a clean and higher quality of sand is separated from the water.

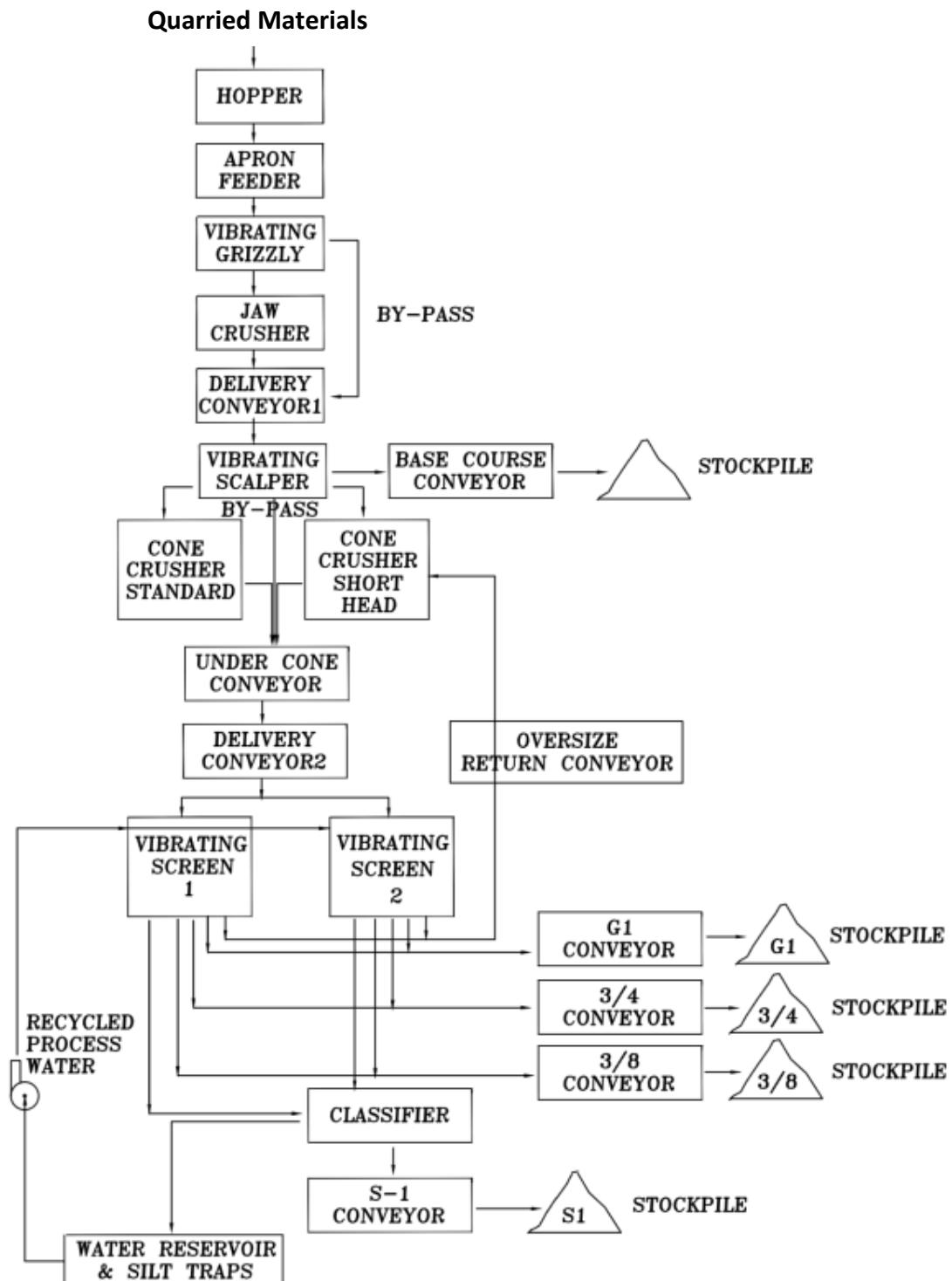
The overflow of the spiral classifier is discharged to the settling pond wherein the clear water is recycled to the Plants. The fine materials are recovered and mixed with base course materials.

## 5. Stockpiling of Finished Product

From the tertiary crushers, materials are conveyed back to the vibrating screens by the return conveyor and from the screens then to the individual finished product stockpiles via the stacker conveyor. The finished products namely, G-1,  $\frac{3}{4}$ ",  $\frac{3}{8}$ " and S-1 are held in stockpiles ready for distribution.

The process flowsheet is shown in

**Figure 5.**



**Figure 5 – Aggregates Plant Material Flowsheet**

#### **2.5.4 Siltation Pond**

A series of siltation pond will be constructed within the project area. Sediments shall be impounded from the first to the third pond in succession. The ponds shall be made of compacted earth, rock, and strategically placed adjacent to the quarry active area. Silt-laden runoff draining from the quarry area will be routed to the siltation pond to allow settling of silt materials. Effluent coming from the silt pond shall comply with applicable water quality standards prior to release to the nearby surface waters.

#### **2.5.5 Access and Haul Roads**

Quarry development will start from the construction of access/haul road within the quarry site, which is designed to facilitate opening of benches. The haul roads will be maintained at a width of 15 meters or three times the width of the largest quarry equipment with a maximum grade of 8-12%. Pre-emptive measures through implementation of appropriate slope/ground failure monitoring plan will be adopted to identify any instability at an early, non-critical stage so that safety measures can be initiated to prevent or minimize impacts.

### **2.6 Project Size**

#### **2.6.1 Production Capacity and Area**

The proposed project will have a total annual production capacity of 3,200,000 MT/year of pozzolan and silica/aggregates covering a total area of 63.735 hectares covered by **MPSA No. 345-2010-IVA**. The surface rights over the proposed quarry areas were aquired by RCRDC.

**Table 3 – Programmed Production Capacity Per Area**

Area	Production (MT)	Total Area (Ha)	Location
Parcel I Area 1 Quarry Project	1,200,000	<b>22.63</b>	Barangay Dalig, Municipality of Teresa, Province of Rizal
Parcel I Area 2 Quarry Project	1,000,000	<b>19.397</b>	Barangay Dalig, Municipality of Teresa, Province of Rizal
Parcel III Area C Quarry Project	1,000,000	<b>21.708</b>	Barangay San Jose, Antipolo City
<b>Total</b>	<b>3,200,000</b>	<b>63.735</b>	

## 2.6.2 Resources

Based on the Final Exploration Report of Competent Person Geologist Rolando Pena (+), the following are the mineral resources of the proposed project areas.

**Table 4 – Estimated Mineral Resources Per Project Area**

Area	Metric tons	Commodity	Project Life based on Resource <sup>1</sup>
Parcel I Area 1 Quarry Project	52,700,000 (Measured and Indicated) 95,000,000 (Inferred)	Pozzolan	123 years
Parcel I Area 2 Quarry Project	16,800,000 (Measured and Indicated) 2,000,000 (Inferred)	Silica/Aggregates	19 years
Parcel III Area C Quarry Project	740,000 (Measured and Indicated) 9,600,000 (Inferred)	Silica/Aggregates	10 years

<sup>1</sup> Based on Estimated Mineral Resources. Can be extended further thru additional exploration activities.

The proposed minelife will correspond to the life of the MPSA which is up to 2035 or sixteen (16) years from now (2019). RCRDC will opt to renew the MPSA in 2035 to have an additional 25 years minelife.

## 2.7 Project Phases, Key Environmental Aspects, Issues, Built-in Measures

### 2.7.1 Pre-Construction Phase

This phase involves the hiring of skilled local employees in preparation for project development. During this phase all permits mandated by the government shall be acquired by the company prior to the construction phase.

The Information Education and Communication (IEC) campaign shall be continuously implemented to update the stakeholders on the current and future development of the project.

### 2.7.2 Construction Phase

This phase will require hiring of additional manpower to support the construction activities of the project. Local hiring of skilled individual will be prioritized/implemented by the company.

Construction of haul road and access road shall be the first activity during this phase. The construction of these facilities shall be conducted in a manner wherein minimal disturbance will be created. All roads shall follow the topographic contour of the area and shall be equipped with road drainage for further environmental measures.

Temporary settling ponds shall be developed within the construction area to cater the mitigation of possible siltation and water contamination. If the constructed ponds will no longer be usable during the operation phase, such facility shall be dewatered, backfilled and revegetated.

The construction of facilities shall conform with the Building Code of the Philippines to ensure safety and stability. Clearing, grubbing and compaction will be done at the region wherein construction will be conducted. The said activity shall be limited to the area wherein the facilities will be erected to minimize the expanse of disturbance.

A series of settling ponds will be established within the quarry areas with the use of backhoe to facilitate the excavation of soil. All waste materials will be stockpiled at the waste dump and shall be utilized as a backfilling medium for progressive rehabilitation.

***Table 5 – Activities Per Project Area***

Area	Activities	Commodity
Parcel I Area 1 Quarry Project	Quarry Development, construction of Siltation Ponds	Pozzolan
Parcel I Area 2 Quarry Project	Quarry Development and Erection of Crushing Plant, construction of Siltation Ponds	Silica/Aggregates
Parcel III Area C Quarry Project	Quarry Development and Erection of Crushing Plant, construction of Siltation Ponds	Silica/Aggregates

### **2.7.3 Operation Phase**

Upon the completion of all the support facilities and other project components, operation phase will initiate. Surface mining method will be utilized by the project operation. Quarry operation will be started from clearing and grubbing of the identified quarry area, stripping of overburden materials, followed by the development of the production benches, bench sampling, actual quarrying and hauling of aggregates.

The topsoil or overburden will be transported to waste dump area or in a previously excavated/mined-out areas and/or designated topsoil stockpile area to be used in the progressive rehabilitation activity.

Water impounded in the settling pond shall be utilized as the source of water for the sprinkling of haul roads and access roads. Environmental management and monitoring shall be regularly implemented during this phase to alleviate further environmental contamination.

**Table 6 - List of Equipment for Parcel I Area 1 Quarry Project**

Particulars	Unit
<b>Quarry Equipment</b>	
1. CAT D&H Bulldozer	2
2. Isuzu Dump Truck/Off Road Dump Truck	10
3. Wheel Loader	3
4. Backhoe	3
5. Water truck	1
6. Utility Vehicle	2
Total	21

**Table 7 - List of Equipment for Parcel I Area 2 Quarry Project**

Particulars	Unit
<b>Quarry Equipment</b>	
1. CAT D&H Bulldozer	2
2. Isuzu Dump Truck/Off Road Dump Truck	8
3. Wheel Loader	2
4. Backhoe	2
5. Water truck	1
6. Utility Vehicle	2
<b>Sub-Total</b>	<b>17</b>
<b>Crushing Plant</b>	
1. Hopper	3
2. Apron Feeder	3
3. Jaw Crusher	5
4. Vibrating Feeder	3
5. Scalping Screen	3
6. Gyratory Crusher (P1)	1
7. Vibrating Screen 1 ½" & 7 /8" 6 x 16 DD	4
8. Vibrating Screen 3/8" & 3/16" 6 x 16 DD	4
9. 4 ¼' Symon's Cone Crusher and 4' Symons	4
10. 3' Symon's Cone Crusher (P1, P2 and P3)	3
11. Sand Classifier	4
12. Belt Conveyors	49
13. Hydrocone H3800 (P4)	1
<b>Sub-Total</b>	<b>87</b>
<b>Grand Total</b>	<b>104</b>

**Table 8 - List of Equipment for Parcel III Area C Quarry Project**

Particulars	Unit
<b>Quarry Equipment</b>	
1. CAT D&H Bulldozer	2
2. Isuzu Dump Truck/Off Road Dump Truck	10
3. Wheel Loader	2
4. Backhoe	2
5. Water truck	1
6. Utility Vehicle	2
<b>Sub-Total</b>	<b>19</b>
<b>Crushing Plant</b>	
1. Hopper	3
2. Apron Feeder	3
3. Jaw Crusher	5
4. Vibrating Feeder	3
5. Scalping Screen	3
6. Gyratory Crusher (P1)	1
7. Vibrating Screen 1 ½" & 7 /8" 6 x 16 DD	4
8. Vibrating Screen 3/8" & 3/16" 6 x 16 DD	4
9. 4 ¼' Symon's Cone Crusher and 4' Symons	4
10. 3' Symon's Cone Crusher (P1, P2 and P3)	3
11. Sand Classifier	4
12. Belt Conveyors	49
13. Hydrocone H3800 (P4)	1
<b>Sub-Total</b>	<b>87</b>
<b>Grand Total</b>	<b>106</b>

#### **2.7.4 Abandonment Phase**

Consistent with the basic policy of the State to assure the availability, sustainability and equitable distribution of the country's natural resources, the Philippine Government adopts the policy that mining activities shall be managed in a technically, financially, socially, culturally and environmentally responsible manner to promote the general welfare of the country. One of objectives of this policy is the establishment of a functional post-disturbance land use capability.

Moreover, remediation and rehabilitation of abandoned mines shall be accorded top priority to address the negative impacts of past mining activities. This is through protection and conservation of environment by identification of appropriate rehabilitation and mitigating measures per project component to inhibit and/or prevent any possible risks or adverse impacts that could endanger human and its environment.

Listed below are the major objectives of Final Mine Rehabilitation Plan:

- Rehabilitate/re-vegetate all the disturbed areas within the MPSA affected by quarry operations by reshaping/re-contouring affected areas prior to re-vegetation;
- Progressively rehabilitate the area to a condition agreed/suggested by the community during the stakeholder consultation;
- Minimize long term visual impacts due to the inactivity of the mine site by employing effective mitigation and measures creating landforms with vegetation compatible with the surrounding thus establishing a functional post-disturbance land use capability;
- Eliminate safety and health risks of the inactive mine site to the surrounding communities;
- Remove all unnecessary mine facilities and equipment used in operations and rehabilitate the areas prior to abandonment;
- Remove all crusher components; and
- Provide the estimated cost that will be incurred from the implementation of the identified rehabilitation and/or decommissioning strategies and the consequent final land use.

#### 2.7.4.1 Proposed Final Land Use for each Component

The proposed final land use for the project will be a stable and revegetated mined-out area that is sustainable and promotes the recolonization of the pre-project flora and fauna.

***Table 9 – Proposed Final Land Use per Project Area***

Mine Component	Final Land Use
Quarry area	Revegetated area.  This will entail backfilling using the materials from the waste dump, soil conditioning, planting with endemic species and maintenance works.
Siltation Ponds	Revegetated area.  All siltation ponds in the quarry area will be maintained until full rehabilitation of the mined-out parcels. As rehabilitation is progressive, settling ponds that are no longer required will be decommissioned and rehabilitated. The excavated materials may, in the future have economic value; otherwise, these will be used for backfill, grading or removed from the site.
Crusher	Revegetated Area  All crusher facilities removed from site.
Haul roads and access roads	If considered useful by the community, internal haul road can be left. If not required, these will be re-planted; water

Mine Component	Final Land Use
	diversion measures will be installed for runoff interception and to enhance re-vegetation. Signs, guardrails and barriers will be removed or retained depending upon the consultation with the stakeholders.

A Final Mine Rehabilitation and Decommissioning Plan (FMR/DP) will be prepared and submitted to the Mines and Geosciences Bureau for review and approval. Among the plans to be considered are appropriate rehabilitation and decommissioning plans that will best benefit the community.

*Table 10 - Project Schedule*

Project Phases	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2045
Pre-Construction	■																		
Construction	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■			
Operation	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
Decommissioning																	■	■	
Final Rehabilitation																	■	■	
EPEP Implementation	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
FMR/DP Implementation																	■	■	

## 2.8 Project Cost

### 2.8.1 *Estimated Capital Cost*

The capital cost to put up the Project is estimated to be approximately **PhP300,000,000** as shown in **Table 11**.

The estimated capital costs cover the additional equipment needed to operate the quarries. There are existing equipment currently available in the RCRDC motor pool and other projects that will be used in this project.

**Table 11 - Estimated Capital Cost**

<b>Particulars</b>	<b>Amount (PhP)</b>
<b>Quarry Equipment</b>	
1. Parcel I Area 1	50,000,000
2. Parcel I Area 2	50,000,000
3. Parcel III Area C	50,000,000
<b>Crushing Plant</b>	
1. Parcel I Area 1	75,000,000
2. Parcel III Area C	75,000,000
<b>Total</b>	<b>300,000,000</b>

***Table 12 - Impact Management Plan***

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
<b>I. PRE-CONSTRUCTION</b>						
	People	<ul style="list-style-type: none"> <li>- Fear of loss of land (displacement) and livelihood</li> <li>- Fear of non-employment of locally qualified people due to the possible engagement of the company to non-local contractors/laborers;</li> <li>- Concern for their health and safety</li> <li>- Expression of positive views regarding the project such as generation of employment and additional tax, improvement of local government services and of community infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>- Implement IEC program to improve the negative mindset of impact communities toward the project</li> <li>- Consider negative views of project-impact barangays/communities in the design and formulation of programs to avoid staunch opposition to the project</li> <li>- Develop a scheme and protocol of hiring in coordination with the barangay and MLGU</li> <li>- Conduct a skills and inventory assessment of the local labor force</li> <li>- Implement a livelihood program for residents that will not be employed especially women and OSY</li> <li>- Implement IEC program to enhance the positive views of impact communities toward the project</li> </ul>	RCRDC Community Relations Officer (CRO); Barangay; MLGU	Included in the project cost	Included in EPEP, SDMP, ECC Condition

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
<b>II. CONSTRUCTION</b>						
– Site preparation (clearing, grubbing, stripping of topsoil and overburden removal)	Terrestrial biology	<ul style="list-style-type: none"> <li>– Loss of vegetation due to site clearing</li> <li>– Removal of economically and ecologically important species</li> <li>– Destruction of wildlife habitat</li> <li>– Disturbance/displacement/direct killing of wildlife</li> <li>– Difficulty in plant establishment due to loss in soil productivity</li> <li>– Change in microclimate</li> <li>– Internal habitat fragmentation</li> <li>– Improved accessibility of the area may attract illegal hunters and poachers</li> </ul>	<ul style="list-style-type: none"> <li>– Prioritizing ecologically and economically important species in conservation</li> <li>– Use of indigenous species in the nursery</li> <li>– Strictly prohibiting poaching of wildlife</li> <li>– Establishment of buffer zones along creeks</li> <li>– Include flora and fauna protection programs in SDMP (wildlife protection and conservation campaign)</li> <li>– Seeding of topsoil to maintain/improve soil quality</li> <li>– Progressive rehabilitation of disturbed areas</li> <li>– Routine monitoring of terrestrial flora and fauna</li> </ul>	RCRDC; MMT	Included in the project cost	Included in EPEP, ECC condition
	Land	– Loss of top soil due to ground/site preparation activities	– Rehabilitation/revegetation planning will be conducted in accordance with the FMRDP and in consultation with stakeholders even before Project commences	RCRDC	Included in the project cost	Included in EPEP, ECC condition

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
			<ul style="list-style-type: none"> <li>- The stockpiled topsoil layer will be re-spawned/mixed with limestone gravel to all disturbed areas/quarried out areas to prevent erosion and allow re-establishment of long-term vegetation</li> <li>- Bulk of the total project area will be reverted to its pre-mining land use by strict adherence to the approved FMR/DP</li> <li>- The perimeter of the Quarry area shall be progressively rehabilitated and re-graded to match the surrounding landforms</li> <li>- Soils that will be removed will be conserved and stockpiled in a pre-determined area and later used in rehabilitation and backfilling activities</li> <li>- The stockpile shall be graded to a stable relief</li> <li>- Establishment of safe working slopes and installation of land slide control structures.</li> </ul>			

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
		<ul style="list-style-type: none"> <li>- Increase in surface erosion and down slope sedimentation brought about by mine quarry development activities</li> <li>- Top soil removal will be unavoidable to make way for the development of access and haul roads</li> </ul>	<ul style="list-style-type: none"> <li>- Progressive ground clearing/preparation will be employed to minimize the area disturbed at any one time</li> <li>- Progressive soil rehabilitation will be conducted in disturbed or cleared areas that will not be used for further development over the course of the project.</li> <li>- Erosion/ sedimentation controls will be installed to mitigate surface erosion and the consequent down slope or downstream sedimentation. These will include: <ul style="list-style-type: none"> <li>• Installation of rainwater and runoff collecting systems at the toe of work areas;</li> <li>• “Vengineering” (i.e. planting of vegetation with high rainfall intercepting capacity and high transpiration rate characteristics to serve as re-evaporators/biological pumps, respectively).</li> </ul> </li> <li>- Top soil removed during the clearing,</li> </ul>	RCRDC	Included in the project cost	Included in EPEP, ECC condition

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
			<p>re-grading and ground preparation activities will be utilized as backfill to low lying areas and service roads.</p> <ul style="list-style-type: none"> <li>- Ground preparation and grubbing will be conducted progressively to minimize the total area of soil cover removal at any one time.</li> </ul>			
			<ul style="list-style-type: none"> <li>- Generation of unwanted materials (solid waste/biomass/debris)</li> </ul>			
	Water Quality	<ul style="list-style-type: none"> <li>- Ground water inflow and rainwater that will percolate into the quarry working area will produce contact water from the freshly blasted limestones. This may contain soluble minerals</li> </ul>	<ul style="list-style-type: none"> <li>- Materials recovered from vegetation removal can be used as: <ul style="list-style-type: none"> <li>• Trash lines on steep slopes to mitigate soil erosion</li> <li>• Compost material/surface mulch for immediate soil cover and for improving SOM content of soils</li> <li>• Chipping of cut trees and using the chipped material as a growing medium for rehabilitation</li> </ul> </li> </ul>	RCRDC	Included in the project cost	Included in EPEP, ECC condition

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
		<p>and metals and other mining related pollutants (i.e. chemicals from blasting)</p> <p>Hydrocarbon leaks and spills from vehicles and heavy equipment may contaminate the ground water and nearby body of water.</p>	<ul style="list-style-type: none"> <li>- Site water management will be implemented to mitigate any change in water quality this involves:</li> <li>- Monitoring and safety systems will be implemented to address any leakage related hazards that may occur.</li> </ul>			
	Air quality/ Ambient Noise	<ul style="list-style-type: none"> <li>- Noise disturbance</li> <li>- Fugitive dust generation</li> <li>- Vehicle/equipment emissions</li> </ul>	<ul style="list-style-type: none"> <li>- Strictly implement covering of hauling trucks and water spraying;</li> <li>- Preventive maintenance of vehicles and equipment</li> <li>- Enclosure of equipment emitting high level of noise (when applicable)</li> <li>- Imposition of speed limits</li> <li>- Provision of dust and noise PPEs to employees</li> </ul>	RCRDC	Included in the project cost	Included in EPEP, ECC condition
	Economic	<ul style="list-style-type: none"> <li>- Generation of employment</li> <li>- Generation of livelihood opportunities spurred by the multiplier effect of the construction activities</li> <li>- Local government generation of revenues from fees and permits</li> </ul>	<ul style="list-style-type: none"> <li>- Preferential hiring of qualified barangay residents (LGCP R.A. 7160; 1995 PMA R.A. 7942)</li> <li>- Barangay Consultation on job requirements and qualification</li> <li>- Training to upgrade local skills of residents who can be hired by the project</li> </ul>	Barangay LGU; RCRDC CRO; TESDA/TLRC	Included in the project cost	Included in SDMP and IEC Program

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
			<ul style="list-style-type: none"> <li>- Development of small and medium enterprises like transport, construction and utility services</li> <li>- Prompt processing of permits and payment of necessary fees</li> </ul>			
	Increase in Population, Health, and Safety risks	<ul style="list-style-type: none"> <li>- In-Migration</li> <li>- Entry of migrant workers with families which might cause: <ul style="list-style-type: none"> <li>• health problems due to diseases, overuse of public utilities /services,</li> <li>• competition of resources,</li> <li>• social conflicts, peace and order,</li> <li>• increase in pollution due to solid and liquid wastes.</li> </ul> </li> <li>- Increase in traffic flow causing air (dust) and noise pollution</li> </ul>	<ul style="list-style-type: none"> <li>- Policy on referential hiring of locals</li> <li>- Health certificate for workers prior to hiring into the project</li> <li>- Safety and Health Program for workers and impact communities.</li> <li>- Community Health Survey</li> <li>- Management of entry of migrant workers</li> <li>- Increase and train Barangay tanods to be deployed in areas where migrant workers reside</li> <li>- Sprinkling of roads during dry seasons</li> <li>- Proper scheduling of delivery trucks to avoid traffic congestion</li> <li>- Assistance to the LGU on traffic management</li> </ul>	RCRDC Barangay LGU; Barangay Tanods; RCRDC CRO; RCRDC MEPEO	Included in the project cost	Included in SDMP, IEC Program, and EPEP
		<ul style="list-style-type: none"> <li>- Economic activities and other services near the quarry development that might cause</li> </ul>	<ul style="list-style-type: none"> <li>- Coordination with the Barangay LGU to ensure authorized establishments and control of unauthorized entry of</li> </ul>	RCRDC CRO; RCRDC Security	Included in the project cost	Included in SHP and EPEP

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
		problems on peace and order and security breaches	outsiders.			
	Cultural and Historical	– Possible unearthing of historical artifacts and/or fossil remains	– Safeguard possible archeological site and immediately inform the National Museum in case of finds	RCRDC CRO, National Museum	Included in the project cost	Included in EPEP
<b>III. OPERATION PHASE</b>						
– Surface mining operations – land clearing (removal of vegetation), stripping of overburden or waste rock (applicable to surface mining); – stockpiling – progressive rehabilitation of mined-out areas	Land Use	– Land Slides and mass washings maybe induced by and operation activities on high angle slopes	– Establishment of safe working slopes and installation of land slide control structures.  – Installation of Warning signages in the active quarrying areas	RCRDC	Included in the project cost	ECC, EPEP
	Geology	– Inducement of subsidence/collapse  – Generation of open areas with greater potential for runoff, erosion and landslides	– Implement a suitable and appropriate slope / ground failure monitoring plan to detect instability at an early and non-critical stage so that safety measures could be initiated to prevent or minimize impacts  – Familiarize / orient / train mining personnel, staff and workers on recognition of the various slope / ground failure modes, hazard warning signs and standard operating procedures to be observed in the case of ground failure events	RCRDC; MMT	Included in the EPEP budget – Rehabilitation Program Cost	ECC; EPEP; Environmental Occupational Health Plan

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
			<p>or impending event;</p> <ul style="list-style-type: none"> <li>- Identification, early recognition and monitoring of warning signs of potential and impending slope stability problems.</li> <li>- Implement appropriate and safe engineering and geotechnical design;</li> <li>- Formulation and implementation of subsidence control measures including subsidence prediction;</li> </ul>			
	Land/Soil Quality	<ul style="list-style-type: none"> <li>- Soil Contamination due to accidental fuel and lubricant spills from vehicles and equipment may occur</li> </ul>	<ul style="list-style-type: none"> <li>- Contaminated soils will be removed and disposed off site.</li> <li>- Haul trucks will be properly maintained</li> </ul>	RCRDC	Included in the project cost	ECC,EPEP, EMF
	Water Quality	<ul style="list-style-type: none"> <li>- Soil and limestones will be disturbed during ground preparation. Disturbed areas may transport significant amounts of sediments into nearby streams.</li> <li>- Ground water inflow and rainwater that will percolate into the quarry working area will produce contact water from the freshly blasted limestones. This</li> </ul>	<ul style="list-style-type: none"> <li>- A sediment and erosion control plan will be implemented for the project</li> <li>- Access roads will be provided with drains to contain and limit sedimentation downstream of the quarry.</li> </ul>	RCRDC	Included in the project cost	ECC,EPEP

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
		<p>may contain soluble minerals and metals and other mining related pollutants (i.e. chemicals from blasting)</p> <ul style="list-style-type: none"> <li>- Hydrocarbon leaks and spills from vehicles and heavy equipment may contaminate the ground water and nearby body of water.</li> </ul>	<ul style="list-style-type: none"> <li>- Monitoring and safety systems will be implemented to address any leakage related hazards that may occur.</li> <li>- Used oil will be sold to EMB accredited recyclers</li> </ul>			
	Air and Noise	<ul style="list-style-type: none"> <li>- Local increase in TSP and noise levels</li> <li>- Air pollution due to Quarry operation</li> </ul>	<ul style="list-style-type: none"> <li>- Proper and regular maintenance of equipment</li> <li>- Water spraying; quarry activities to be confined during daytime as much as possible</li> <li>- IEC on proper scheduling of hauler trucks to avoid busy and late hours</li> </ul>	RCRDC	<ul style="list-style-type: none"> <li>- Included in the project cost</li> </ul>	
	Terrestrial	<ul style="list-style-type: none"> <li>- Vegetation is cleared during quarrying.</li> <li>- Loss of soil due to erosion would reduce survivability of plants having no substrate to anchor themselves to and obtain nutrients</li> <li>- Loss of habitat to birds and small animals such as lizards &amp;</li> </ul>	<ul style="list-style-type: none"> <li>- Retain existing vegetation in areas of low mineral content</li> <li>- Rehabilitation of open areas and enrichment planting and reforestation in buffer zones and mined out areas</li> <li>- Fire protection by setting up of fire lines</li> <li>- Establishing check dams in gullies</li> </ul>	RCRDC	<ul style="list-style-type: none"> <li>- Included in the project cost</li> </ul>	

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
		amphibians	<ul style="list-style-type: none"> <li>- Establish vegetative bands at least 20 m width along creeks and ravines which would serve as habitats of endangered species of plants &amp; animals</li> <li>- Conduct 'progressive rehabilitation' of mined out parcels</li> <li>- Earth-balling of rare, endemic, threatened species diversity in the project site</li> </ul>			
	Economic	<ul style="list-style-type: none"> <li>- Enhancement socio-economic welfare of the community</li> <li>- Local government generation of revenues from taxes, permits and LGU share in the quarrying activities</li> <li>- Payment of local taxes and fees to Municipal and Barangay Local Government Units</li> <li>- Generation of employment</li> <li>- Generation of livelihood opportunities by putting-up food stalls, variety stores and other services near the quarry area which might cause</li> </ul>	<ul style="list-style-type: none"> <li>- Implementation of community development programs through Social Development Management Plan equivalent to 1.5% of Operating cost based on the identified needs of the communities</li> <li>- Total taxes paid to the national government will exceed &gt;Excise Tax: 60% goes to the national government; 40%, to the local government-- -20% for host Provinces -45% for host Municipalities -35% for host Barangays</li> <li>- Occupation Fees and Real Property</li> </ul>	RCRDC CRO; Barangay LGU	Included in the project cost	Included in EPEP, SDMP, SHP

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
		problems of congestion, peace and order and security breaches	<p>Tax to province and municipalities</p> <ul style="list-style-type: none"> <li>- IEC on nature of jobs the proponents require and qualification</li> <li>- Consultation on job requirements and qualification</li> <li>- Skills training to upgrade local skills of residents that can be hired by the project</li> <li>- Implementation livelihood development programs through the SDMP</li> <li>- Coordination with the Barangay LGU to monitor issuance of business permits in small- to medium- scale commercial establishments to ensure proper zoning of business areas, peace and order, solid waste management</li> </ul>			
	Increase in Population, Health & Safety risks	<ul style="list-style-type: none"> <li>- In-migration</li> <li>- Entry of migrant workers with families which might cause health problems due to diseases, overuse of public utilities /services, competition</li> </ul>	<ul style="list-style-type: none"> <li>- Policy on preferential hiring of qualified barangay residents( LGCP R.A. 7160; 1995 PMA R.A. 7942)</li> <li>- Management of entry of migrant workers.</li> <li>- Health certificate for workers prior</li> </ul>	RCRDC CRO; Barangay LGU	Included in the project cost	Included in EPEP, SDMP, SHP

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
		<p>for resources, social conflicts, peace and order, increase in pollution due to solid and liquid wastes</p> <ul style="list-style-type: none"> <li>- Increase in traffic flow, causing air (dust) and noise pollution</li> <li>- Safety and health risks to workers</li> </ul>	<p>to hiring into the project.</p> <ul style="list-style-type: none"> <li>- Assistance in providing access to health and education services through the SDMP</li> <li>- Increase and train barangay tanods to be deployed in areas where migrant workers reside.</li> <li>- Buffer zones should be established around the perimeter of the quarry area.</li> <li>- Proper scheduling of hauler trucks to avoid late hours hauling and road congestion.</li> <li>- IEC on the community in terms of traffic safety</li> <li>- Sprinkling of roads during dry seasons</li> <li>- Assistance to the LGU on traffic management</li> <li>- Provision of safety facilities</li> <li>- Provision of PPE to every personnel</li> <li>- Conduct of safety orientation and training</li> <li>- Annual Health Monitoring</li> </ul>	ECC Safety and Health Office		

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
	Climate Change	<ul style="list-style-type: none"> <li>- Impact of Climate Change: La Niña and El Niño phenomenon and possible consequential disasters</li> </ul>	<ul style="list-style-type: none"> <li>- Integrating Climate Change (DENR EMB MC 5- 2011) and Organizing and enhancing capabilities of men and women for Disaster Risk Reduction Management in the Barangays . IEC on DENR Special Order 2007-65, adaptation measures include protection of water aquifer, conduct of massive information and education campaign, establishment of protection measures, determination of the areas most vulnerable to natural hazards "to forewarn people," and strengthening the protection of ecosystems</li> </ul>	RCRDC CRO; CDRMMC; BDRMMC	Included in the project cost	Included in EPEP, SDMP, SHP
<b>IV. ABANDONMENT PHASE</b>						
<ul style="list-style-type: none"> <li>- Rehabilitation of mined-out areas</li> <li>- Dismantling of structures</li> </ul>	Land Use	<ul style="list-style-type: none"> <li>- Permanent land use change in areas to be occupied by the quarry areas and its facilities</li> </ul>	<ul style="list-style-type: none"> <li>- Bulk of the total project area will be reverted to its pre-mining land use by strict adherence to the approved FMRDP</li> <li>- Buffer zones and physical barriers will be set around the quarry area to secure and limit access and disturbance</li> <li>- The final perimeter and cover of the</li> </ul>	RCRDC	Included in the project cost	Part of FMRDP

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
			<p>quarry area will have an undulating profile to facilitate drainage</p> <ul style="list-style-type: none"> <li>- Stakeholders shall be consulted to for the final land use of the project area</li> <li>-</li> </ul>			
	Land Use	<ul style="list-style-type: none"> <li>- Integrity failure of the Water reservoirs (i.e. settling ponds/sedimentation ponds) and quarry areas may cause flooding risks downstream of these structures.</li> </ul>	<ul style="list-style-type: none"> <li>- All the impoundment structures will be designed considering seismic and structural parameters</li> <li>- Structural integrity will be monitored for the duration of operation of these facilities and beyond mine closure.</li> <li>- An Emergency Response Plan will be developed to handle possible occurrence of water reservoir failure and downstream flooding.</li> <li>- Identify vulnerable areas and possible scenarios of flooding (i.e. its extent and its duration), and the necessary preventive measures</li> </ul>	RCRDC	Included in the project cost	
	Water Quality	<ul style="list-style-type: none"> <li>- Failure of the settling ponds may cause contamination of stream and ground water downstream of these structures</li> </ul>	<ul style="list-style-type: none"> <li>- The water impounding structures will be constantly monitored for its integrity and will be done even after the mine closed and rehabilitated.</li> </ul>	RCRDC	Included in the project cost	

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
	Biological	<ul style="list-style-type: none"> <li>- Establishing vegetative cover in the area</li> <li>- Return of the avifauna and increase in population of small animals due to presence of habitat</li> </ul>	<ul style="list-style-type: none"> <li>- Use indigenous species that were once thriving in the area (refer to list of species)</li> <li>- Restore the habitat of the fauna by increasing vegetative cover</li> </ul>	RCRDC	Included in the project cost	
	Socio-Economic	<ul style="list-style-type: none"> <li>- Termination of LGU revenues from taxes, permits and share when the company ceases operation</li> <li>- Loss of Jobs/ Unemployment of mine workers</li> <li>- Loss of market of the established livelihood dependent on the mine operation</li> <li>- Transfer of company social assets/ facilities and services to the community</li> </ul>	<ul style="list-style-type: none"> <li>- Timely announcement and preparation of decommissioning/ Abandonment</li> <li>- Retrenchment Package to be offered to affected employees/workers.</li> <li>- Assistance in job hunting or transfer employment to other projects of the company.</li> <li>- Assistance to employees and their families in establishing livelihood or income generating activities.</li> <li>- Assistance to the community in establishing market/clients other than the company/ mine operations</li> <li>- Identify diversity of products and services that will cater the needs of the community, adjacent barangays and City proper</li> <li>- Consultation with the community</li> </ul>	RCRDC CRO; HR and Finance Office	Included in the project cost	

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
			through the BLGU on the social assets/ facilities and services to be transferred, acceptable to them. A Memorandum of Agreement or Deed of Donation will be crafted in order to ensure the responsibility of the community on the sustainable management of the transferred facilities and/or services			
	Out-migration and psycho-social concerns on the closure of the operation	<ul style="list-style-type: none"> <li>- The loss of employment and job opportunities in the area may result to out-migration to search for jobs in other places</li> <li>- Discontinuation of the social services offered by ECC through CSR and SDMP</li> </ul>	<ul style="list-style-type: none"> <li>- Establishment of livelihood projects for workers and their families as part of the retrenchment package</li> <li>- Ensure sustainability of the livelihood projects established through the SDMP</li> <li>- Assistance in the strengthening of the BLGU to increase their capacity to manage the social services to be transferred</li> <li>- IEC on the job and livelihood opportunities in accomplishing the final land-use and that the final land-use will spur economic growth to the community</li> <li>- Implement remaining community</li> </ul>	RCRDC CRO; HR and Finance Office	Included in the project cost	Part of FMRDP

Project Phase / Environmental Aspect	Environmental Component Likely to be Affected	Potential Impact	Options for Prevention or Mitigation* or Enhancement	Responsible Entity	Cost	Guarantee / Financial Arrangements
			development activities to support the communities during closure and rehabilitation through the FMRDP Social Plan			

## Annexes

Annex A – Copy of MPSA No. 345-2010-IVA

Annex B – Copy of ECC-R4A-1107-0339

Annex C – Copy of DENR Order consolidating other tenements to MPSA No. 345-2010-IVA,

Amended I

Annex D – Copy of Quarry Plans, sections and resource estimates

Annex E – IEC Activity Report

Annex F – Initial Perception Survey Report



## **Annex A – Copy of MPSA No. 345-2010-IVA**

DUPLICATE

## MINERAL PRODUCTION SHARING AGREEMENT

No. 345-2010-IVA

This MINERAL PRODUCTION SHARING AGREEMENT is made and entered into in Quezon City, Philippines, this \_\_\_\_\_ day of June 10, 2010 by and between:

**THE REPUBLIC OF THE PHILIPPINES**, herein referred to as the **GOVERNMENT**, represented in this act by the Acting Secretary of the Department of Environment and Natural Resources, with office at the Department of Environment and Natural Resources Building, Visayas Avenue, Diliman, Quezon City

and

**RAPID CITY REALTY AND DEVELOPMENT CORPORATION**, hereinafter referred to as the **CONTRACTOR**, a corporation duly organized and existing under the laws of the Republic of the Philippines, with office at No. 167 Sumulong Highway, Mayamot, Antipolo, Rizal and represented in this act by its President and General Manager, Veronica Iñiguez Lee, as authorized by its Board of Directors (please refer to ANNEX "A")

## WITNESSETH :

WHEREAS, the 1987 Constitution of the Republic of the Philippines provides in Article XII, Section 2 thereof that all lands of the public domain, waters, minerals, coal, petroleum and other natural resources are owned by the State and that their exploration, development and utilization shall be under the full control and supervision of the State;

WHEREAS, the Constitution further provides that the State may directly undertake such activities, or it may enter into a Co-Production, Joint Venture, or Mineral Production Sharing Agreement with Filipino citizens, or cooperatives, partnerships, corporations or associations at least sixty per centum of whose capitalization is owned by such citizens;

WHEREAS, pursuant to Republic Act No. 7942, otherwise known as "The Philippine Mining Act of 1995," which took effect on 09 April 1995, the Secretary of the Department of Environment and Natural Resources is authorized to enter into Mineral Production Sharing Agreements in furtherance of the objectives of the Government and the Constitution to bolster the national economy through sustainable and systematic development and utilization of mineral lands;

WHEREAS, the Government desires to avail itself of the financial resources, technical competence and skill, which the Contractor is capable of applying to the mining operations of the project contemplated herein;



WHEREAS, the Contractor desires to join and assist the Government in the initial rational exploration and possible development and utilization for commercial purposes of silica and other associated mineral deposits existing in the Contract Area;

WHEREAS, the Contractor has access to all the financing, technical competence, technology and environmental management skills required to promptly and effectively carry out the objectives of this Agreement;

NOW, THEREFORE, for and in consideration of the foregoing premises, the mutual covenants, terms and conditions hereinafter set forth, it is hereby stipulated and agreed as follows:

## SECTION I

### SCOPE

- 1.1. This Agreement is a Mineral Production Sharing Agreement entered into pursuant to the provisions of the Act and its implementing rules and regulations. The primary purpose of this Agreement is to provide for the rational exploration, development and commercial utilization of silica and other associated mineral deposits existing within the Contract Area, with all necessary services, technology and financing to be furnished or arranged by the Contractor in accordance with the provisions of this Agreement. The Contractor shall not, by virtue of this Agreement, acquire any title over the Contract/Mining Area without prejudice to the acquisition by the Contractor of the land/surface rights through any mode of acquisition provided for by law.
- 1.2. The Contractor shall undertake and execute, for and on behalf of the Government, responsible mining operations in accordance with the provisions of this Agreement, and is hereby constituted and appointed, for the purpose of this Agreement, as the exclusive entity to conduct mining operations in the Contract Area.
- 1.3. The Contractor shall assume all the exploration risk such that if no minerals in commercial quantity are developed and produced, it will not be entitled to reimbursement.
- 1.4. During the term of this Agreement, the total value of production and sale of minerals derived from the mining operations contemplated herein shall be accounted for and divided between the Government and the Contractor in accordance with Section VIII hereof.

## SECTION II

### DEFINITIONS

As used in this Agreement, the following words and terms, whether singular or plural, shall have the following respective meaning:

- 2.1. Act refers to Republic Act No. 7942, otherwise known as the "Philippine Mining Act of 1995".



- 2.2. Agreement means this Mineral Production Sharing Agreement.
- 2.3. Associated Minerals mean other ores/minerals, which occur together with the principal ore/mineral.
- 2.4. Bangko Sentral means Bangko Sentral ng Pilipinas.
- 2.5. Budget means an estimate of expenditures to be made by Contractor in mining operations contemplated hereunder to accomplish the Work Program for each particular period.
- 2.6. Bureau means Mines and Geosciences Bureau.
- 2.7. Calendar Year or Year means a period of twelve (12) consecutive months starting with the first day of January and ending on December 31, while "Calendar Quarter" means a period of three consecutive months with the first calendar quarter starting with the first day of January.
- 2.8. Commercial Production means the production of sufficient quantity of minerals to sustain economic viability of mining operations reckoned from the date of commercial operation as declared by the Contractor or as stated in the feasibility study, whichever comes first.
- 2.9. Constitution or Philippine Constitution means the 1987 Constitution of the Republic of the Philippines adopted by the Constitutional Convention of 1986 on October 15, 1986 and ratified by the People of the Republic of the Philippines on February 2, 1987.
- 2.10. Contract Area means the area onshore or offshore delineated under the Mineral Production Sharing Agreement subject to the relinquishment obligations of the Contractor and properly defined by latitude and longitude or bearing and distance.
- 2.11. Contract Year means a period of twelve (12) consecutive months counted from the Effective Date of this Agreement or from the anniversary of such Effective Date.
- 2.12. Contractor means Rapid City Realty and Development Corporation or its assignee(s) of interest under this Agreement; Provided, That the assignment of any of such interest is accomplished pursuant to the pertinent provisions of the implementing rules and regulations of the Act.
- 2.13. Declaration of Mining Project Feasibility means a document proclaiming the presence of minerals in a specific site, which are recoverable by socially acceptable, environmentally safe and economically sound methods specified in the Project Feasibility Study.
- 2.14. Department or DENR means the Department of Environment and Natural Resources.
- 2.15. Director means the Director of Mines and Geosciences Bureau.



- 2.16. Effective Date means the date of execution of this Agreement by the Contractor and by the Secretary on behalf of the Government.
- 2.17. Environment means all facets of man's surroundings; physical, ecological, aesthetic, cultural, economic, historic, institutional and social.
- 2.18. Exploration means searching or prospecting for mineral resources by geological, geophysical and geochemical surveys, remote sensing, test pitting, trenching, drilling, shaft sinking, tunneling or any other means for the purpose of determining the existence, extent, quality and quantity of mineral resources and the feasibility of mining them for profit.
- 2.19. Exploration Period shall mean the period from the Effective Date of this Agreement, which shall be for two (2) years, renewable for like periods but not to exceed a total term of six (6) years for nonmetallic minerals and eight (8) years for metallic minerals, subject to the pertinent provisions of the implementing rules and regulations of the Act.
- 2.20. Force Majeure means acts or circumstances beyond the reasonable control of the Contractor including, but not limited to war, rebellion, insurrection, riots, civil disturbances, blockade, sabotage, embargo, strike, lockout, any dispute with surface owners and other labor disputes, epidemics, earthquake, storm, flood or other adverse weather conditions, explosion, fire, adverse action by the Government or by any of its instrumentality or subdivision thereof, act of God or any public enemy and any cause as herein described over which the affected party has no reasonable control.
- 2.21. Foreign Exchange means any currency other than the currency of the Republic of the Philippines acceptable to the Government and the Contractor.
- 2.22. Government means the Government of the Republic of the Philippines or any of its agencies and instrumentalities.
- 2.23. Gross Output means the actual market value of the minerals or mineral products from each mine or mineral land operated as a separate entity, without any deduction for mining, processing, refining, transporting, handling, marketing or any other expenses; Provided, That if the minerals or mineral products are sold or consigned abroad by the Contractor under C.I.F. terms, the actual cost of ocean freight and insurance shall be deducted; Provided further, That in the case of mineral concentrates which are not traded in commodity exchanges in the Philippines or abroad such as copper concentrate, the actual market value shall be the world price quotation of the refined mineral products contained thereof prevailing in the said commodity exchanges, after deducting the smelting, refining, treatment, insurance, transportation and other charges incurred in the process of converting mineral concentrates into refined metal traded in those commodity exchanges.
- 2.24. Mine Development refers to work undertaken to prepare an ore body or a mineral deposit for mining, including the construction of necessary infrastructure and related facilities.

Minerals Policy  
DEPARTMENT OF ENVIRONMENT  
AND NATURAL RESOURCES

SENRO28281

- 2.25. **Minerals** mean all naturally occurring inorganic substances in solid, liquid, gas or any intermediate state excluding energy materials such as coal, petroleum, natural gas, radioactive materials and geothermal energy.
- 2.26. **Mineral Products** mean materials derived from mineral ores/rocks and prepared into marketable state by metallurgical processes which include beneficiation, cyanidation, leaching, smelting, calcination and other similar processes.
- 2.27. **Mining Area** means that portion of the Contract Area identified by the Contractor as defined and delineated in a Survey Plan duly approved by the Director/Regional Director concerned for purposes of development and/or utilization and sites for support facilities.
- 2.28. **Mining Operations** means mining activities involving exploration, feasibility study, environmental impact assessment, development, utilization, mineral processing and mine rehabilitation.
- 2.29. **Notice** means notice in writing, telex or telecopy (authenticated by answer back or confirmation received) addressed or sent as provided in Section 16.2 of this Agreement.
- 2.30. **Ore** means naturally occurring substance or material from which a mineral or element can be mined and/or processed for profit.
- 2.31. **Pollution** means any alteration of the physical, chemical and/or biological properties of any water, air and/or land resources of the Philippines, or any discharge thereto of any liquid, gaseous or solid wastes or any production of unnecessary noise or any emission of objectionable odor, as will or is likely to create or render such water, air, and land resources harmful, detrimental or injurious to public health, safety or welfare or which will adversely affect their utilization for domestic, commercial, industrial, agricultural, recreational or other legitimate purposes.
- 2.32. **Secretary** means the Secretary of the Department of Environment and Natural Resources.
- 2.33. **State** means the Republic of the Philippines.
- 2.34. **Work Program** means a document which presents the plan of major mining operations and the corresponding expenditures of the Contractor in its Contract Area during a given period of time, including the plan and expenditures for development of host and neighboring communities and of local geoscience and mining technology, as submitted and approved in accordance with the implementing rules and regulations of the Act.

### SECTION III

#### TERM OF AGREEMENT

- 3.1. This Agreement shall have a term of twenty-five (25) years from Effective Date, and may be renewed thereafter for another term not exceeding twenty-five (25) years. The renewal of this Agreement, as well as the changes in the terms and conditions thereof, shall be upon mutual consent by the parties. In the event the Government decides to allow mining operations thereafter by other Contractor, this must be through competitive public



bidding. After due publication of notice, the Contractor shall have the right to equal the highest bid upon reimbursement of all reasonable expenses of the highest bidder.

#### SECTION IV CONTRACT AREA

- 4.1. Size, Shape, and Location of Contract Area** - This Agreement covers a Contract Area of approximately One Thousand Fifteen and 1690/10,000 (1,015.1690) hectares, situated in Teresa, Morong, Binangonan and Angono, Rizal, and bounded by the following geographical coordinates (please refer to ANNEX "B" - 1:50,000 scale Location Map/Sketch Plan):

**Parcel 1 -**

Corner	Latitude	Longitude
1	14° 32' 00.000"	121° 13' 30.000"
2	14° 32' 30.000"	121° 13' 30.000"
3	14° 32' 30.000"	121° 13' 15.000"
4	14° 33' 00.000"	121° 13' 15.000"
5	14° 33' 00.000"	121° 14' 30.000"
6	14° 33' 30.000"	121° 14' 30.000"
7	14° 33' 30.000"	121° 13' 10.000"
8	14° 33' 36.000"	121° 13' 14.000"
9	14° 33' 36.000"	121° 13' 51.000"
10	14° 34' 00.000"	121° 13' 51.000"
11	14° 34' 00.000"	121° 14' 00.000"
12	14° 34' 30.000"	121° 14' 00.000"
13	14° 34' 30.000"	121° 13' 52.516"
14	14° 34' 28.171"	121° 13' 51.816"
15	14° 34' 24.614"	121° 13' 41.374"
16	14° 34' 30.000"	121° 13' 42.674"
17	14° 34' 30.000"	121° 13' 33.320"
18	14° 34' 39.618"	121° 13' 33.320"
19	14° 34' 40.734"	121° 13' 28.086"
20	14° 34' 45.000"	121° 13' 19.986"
21	14° 35' 00.000"	121° 13' 30.000"
22	14° 35' 00.000"	121° 13' 35.000"
23	14° 34' 34.600"	121° 13' 39.700"
24	14° 34' 43.500"	121° 13' 55.000"
25	14° 34' 30.000"	121° 14' 00.000"
26	14° 34' 30.000"	121° 14' 30.000"
27	14° 34' 00.000"	121° 14' 54.000"
28	14° 34' 00.000"	121° 15' 00.000"
29	14° 32' 30.000"	121° 15' 00.000"
30	14° 32' 30.000"	121° 14' 30.000"
31	14° 32' 00.000"	121° 14' 30.000"



**Parcel 2 -**

Corner	Latitude	Longitude
1	14° 31' 41.000"	121° 11' 00.000"
2	14° 32' 00.000"	121° 11' 00.000"
3	14° 32' 00.000"	121° 10' 48.200"
4	14° 32' 24.000"	121° 10' 48.200"
5	14° 32' 24.000"	121° 10' 41.000"
6	14° 32' 30.000"	121° 10' 41.000"
7	14° 32' 43.000"	121° 10' 37.000"
8	14° 32' 43.000"	121° 11' 00.000"
9	14° 32' 00.000"	121° 11' 00.000"
10	14° 32' 00.000"	121° 11' 20.000"
11	14° 31' 41.000"	121° 11' 20.000"

## SECTION V

### EXPLORATION PERIOD

- 5.1. **Timetable for Exploration** - The Contractor shall commence Exploration activities not later than three (3) months after the Effective Date for a period of two (2) years, renewable for like periods but not to exceed a total term of six (6) years for nonmetallic minerals and eight (8) years for metallic minerals, subject to annual review and approval by the Director in accordance with the implementing rules and regulations of the Act.

The Contractor shall submit the proof of consultation with the majority of the Sanggunian concerned in the form of Resolution or Certification prior to the implementation of the Exploration Work Program as prescribed under the implementing rules and regulations of the Act.

The Contractor shall also submit a Community Development Program to the Regional Office concerned within six (6) months upon registration of this Agreement as prescribed under the implementing rules and regulations of the Act.

- 5.2. **Renewal of Exploration Period** - In case the Contractor opts for a renewal of its Exploration Period, it shall file prior to the expiration thereof, a renewal application in the Mines and Geosciences Bureau Central Office, accompanied by the mandatory requirements stipulated in the implementing rules and regulations of the Act. The Director may grant the renewal of the Exploration Period on condition that the Contractor has substantially complied with the terms and conditions of the Agreement.

In cases where further exploration is warranted beyond the six (6) - or eight (8)-year period and on condition that the Contractor has substantially implemented the Exploration and Environmental Work Programs as verified by the Bureau, the Director may further grant renewal of the Exploration Period; Provided, That the Contractor shall be required to set up a



performance surety equivalent to the expenditure requirement of the Exploration and Environmental Work Programs.

- 5.3. **Work Programs and Budgets** - The Contractor shall strictly comply with the approved Exploration and Environmental Work Programs together with their corresponding Budgets (please refer to ANNEXES "C" and "D").

The amount to be spent by the Contractor in conducting Exploration activities under the terms of this Agreement during the Exploration Period shall be in the aggregate of not less than that specified for each of the Contract Years, as follows:

For the Exploration Work Program:

1st Contract Year	:	PhP 1,201,000.00
2nd Contract Year	:	PhP 3,216,000.00
Total	:	PhP 4,417,000.00

For the Environmental Work Program : PhP 450,000.00

In the event of renewal of the Exploration Period, the amount to be spent every year shall first be agreed upon by the parties.

In the event of termination of this Agreement, the Contractor shall only be obliged to expend the pro-rata amount for the period of such Contract Year prior to termination. If during any Contract Year, the Contractor should expend more than the amount to be expended as provided above, the excess may be subtracted from the amount required to be expended by the Contractor during the succeeding Contract Years, and should the Contractor, due to unforeseen circumstances or with the consent of the Government, expend less during a year, then the deficiency shall be applied to the amount to be expended during the succeeding Contract Years.

- 5.4. **Relinquishment of Total/Portion of the Contract Area** - During the Exploration Period, the Contractor may relinquish totally or partially the original Contract Area. After the Exploration Period and prior to or upon approval of a Declaration of Mining Project Feasibility by the Director, the Contractor shall finally relinquish any portion of the Contract Area not necessary for mining operations and not covered by any Declaration of Mining Project Feasibility.
- 5.5. **Final Mining Area** - The Director may allow the Contractor to hold more than one (1) final Mining Area subject to the maximum limits set under the implementing rules and regulations of the Act. Provided that each final Mining Area shall be covered by a Declaration of Mining Project Feasibility.
- 5.6. **Declaration of Mining Project Feasibility** - Within the term of the Exploration Period, the Contractor shall file in the Regional Office concerned, the Declaration of Mining Project Feasibility of the Contract Area/final Mining Area supported by Project Feasibility Study, Three (3)-Year Development and Construction or Commercial Operation Work Program, complete geologic report, an application for survey and the pertinent Environmental Compliance Certificate, among other applicable requirements. Failure of the Contractor to submit the Declaration of Mining Project Feasibility during the



Exploration Period shall be considered a substantial breach of this Agreement.

- 5.7. Survey of the Contract Area - The Contractor shall cause the survey of the perimeter of the Contract Area/final Mining Area through an application for survey, complete with requirements, filed in the Regional Office concerned simultaneous with the submission of the Declaration of Mining Feasibility. Survey returns shall be submitted to the Regional Director concerned for approval within one (1) year from receipt of the Order of Survey complete with the mandatory requirements stated in the implementing rules and regulations of the Act.

5.8. Reporting

- a. During the Exploration Period, the Contractor shall submit to the Director, through the Regional Director concerned, quarterly and annual accomplishment reports under oath on all activities conducted in the Contract Area from the Effective Date of this Agreement. The quarterly report shall be submitted not later than fifteen (15) days at the end of each Calendar Quarter while the annual accomplishment report shall be submitted not later than thirty (30) days from the end of each Calendar Year. Such information shall include detailed financial expenditures, raw and processed geological, geochemical, geophysical and radiometric data plotted on a map at a minimum 1:50,000 scale, copies of originals of assay results, duplicated samples, field data, copies of originals from drilling reports, maps, environmental work program implementation and detailed expenditures showing discrepancies/ deviations with approved exploration and environmental plans and budgets as well as all other information of any kind collected during the exploration activities. All information submitted to the Bureau shall be subject to the confidentiality clause of this Agreement.
- b. Final Report - The Contractor shall submit to the Director, through the Regional Director concerned, a final report under oath upon the expiration of the Exploration Period which shall be in the form and substance comparable to published professional reports of respectable International Institutions and shall incorporate all the findings in the Contract Area including location of samples, assays, chemical analysis, and assessment of mineral potentials together with a geologic map of 1:50,000 scale at the minimum showing the results of the exploration. Such report shall also include detailed expenditures incurred during the Exploration Period. In case of diamond drilling, the Contractor shall, upon request of the Director/Regional Director concerned, submit to the Regional Office concerned a quarter of the core samples, which shall be deposited in the Regional Office Core Library for safekeeping and reference.
- c. Relinquishment Report - The Contractor shall submit a separate relinquishment report with a detailed geologic report of the relinquished area accompanied by maps at a scale of 1:50,000 and results of analyses and detailed expenditures, among others.



## SECTION VI

### DEVELOPMENT AND CONSTRUCTION PERIOD

- 6.1. Timetable - The Contractor shall complete the development of the mine including the construction of production facilities within thirty-six (36) months from the submission and approval of the Declaration of Mining Project Feasibility, subject to such extension based on justifiable reasons as the Director may approve, upon recommendation of the Regional Director concerned.
- 6.2. Reporting
  - a. Annual - The Contractor shall submit, within sixty (60) days after December 31 of each year, to the Director, through the Regional Director concerned, an annual report, which states the major activities, achievements and detailed expenditures during the year covered, including maps, assays, rock and mineral analyses and geological and environmental progress reports during the Development and Construction Period.
  - b. Final Report - Within six (6) months from the completion of the development and construction activities, the Contractor shall submit a final report to the Director, through the Regional Director concerned. Such report shall integrate all information in maps of appropriate scale and quality, as well as in monographs or reports in accordance with international standards.

## SECTION VII

### OPERATING PERIOD

- 7.1. Timetable - The Contractor shall submit, within thirty (30) days before completion of mine development and construction of production facilities, to the Director, through the Regional Director concerned, a Three-Year Commercial Operation Work Program. The Contractor shall commence commercial utilization immediately upon approval of the aforesaid Work Program. Failure of the Contractor to commence Commercial Production within the period shall be considered a substantial breach of the Agreement.
- 7.2. Commercial Operation Work Program and Budget - During the Operating Period, the Contractor shall submit to the Director, through the Regional Director concerned, Work Programs and Budgets covering a period of three (3) years each, which shall be submitted not later than thirty (30) days before the expiration of the period covered by the previous Work Program.

The Contractor shall conduct Mining Operations and other activities for the duration of the Operating Period in accordance with the duly approved Work Programs and corresponding Budgets.



7.3. Expansion and Modification of Facilities - The Contractor may make expansions, modifications, improvements, and replacements of the mining facilities and may add new facilities as the Contractor may consider necessary for the operations: Provided, That such plans shall be embodied in an appropriate Work Program approved by the Director.

7.4. Reporting

a. Quarterly Reports - Beginning with the first Calendar Quarter following the commencement of the Operating Period, the Contractor shall submit, within thirty (30) days after the end of each Calendar Quarter, to the Director, through the Regional Director concerned, a Quarterly Report stating the tonnage of production in terms of ores, concentrates, and their corresponding grades and other types of products; value, destination of sales or exports and to whom sold; terms of sales and expenditures.

b. Annual Reports - During the Operating Period, the Contractor shall submit within sixty (60) days from the end of each Calendar Year, to the Director, through the Regional Director concerned, an Annual Report indicating in sufficient detail:

b.1. The total tonnage of ore reserves, whether proven, probable, or inferred, the total tonnage of ores, kind by kind, broken down between tonnage mined, tonnages transported from the minesite and their corresponding destination, tonnages stockpiled in the mine and elsewhere in the Philippines, tonnages sold or committed for export (whether actually shipped from the Philippines or not), tonnages actually shipped from the Philippines (with full details as to purchaser, destination and terms of sale), and if known to the Contractor, tonnages refined, processed or manufactured in the Philippines with full specifications as to the intermediate products, by-products or final products and of the terms of which they were disposed;

b.2. Work accomplished and work in progress at the end of the year in question with respect to all the installations and facilities related to the utilization program, including the investment actually made or committed; and

b.3. Profile of work force, including management and staff, stating particularly their nationalities, and for Filipinos, their place of origin (i.e., barangay, town, province, region).

The Contractor shall also comply with other reporting requirements provided for in the implementing rules and regulations of the Act.



**SECTION VIII****FISCAL REGIME**

- 8.1. General Principle - The fiscal regime of this Agreement shall be governed by the principle according to which the Government expects a reasonable return in economic value for the utilization of non-renewable mineral resources under its national sovereignty while the Contractor expects a reasonable return on its investment with special account to be taken for the high risk of exploration, the terms and conditions prevailing elsewhere in the industry and any special efficiency to be gained by a particularly good performance of the Contractor.
- 8.2. Registration Fees - Within fifteen (15) days upon receipt of the notice of approval of the Agreement from the Regional Office concerned, the Contractor shall cause the registration of this Agreement with the said Regional Office and pay the registration fee at the rate provided in the existing rules and regulations. Failure of the Contractor to cause the registration of this Agreement within the prescribed period shall be sufficient ground for cancellation of the same.
- 8.3. Occupation Fees - Prior to registration of this Agreement and at the same date every year thereafter, the Contractor shall pay to the Municipal/City Treasurer concerned an occupation fee over the Contract Area at the annual rate provided in the existing rules and regulations. If the fee is not paid on the date specified, the Contractor shall pay a surcharge of twenty five percent (25%) of the amount due in addition to the occupation fees.
- 8.4. Share of the Government - The Government Share shall be the excise tax on mineral products at the time of removal and at the rate provided for in Republic Act No. 7729 amending Section 151 (a) of the National Internal Revenue Code, as amended, as well as other taxes, duties and fees levied by existing laws. The Excise Tax shall be timely and completely paid to the nearest Bureau of Internal Revenue Office in the province concerned. For purposes of determining the amount of the herein Government Share, the Contractor shall strictly comply with the auditing and accounting requirements prescribed under existing laws and regulations.

The Government Share shall be allocated in accordance with Sections 290 and 292 of Republic Act No. 7180, otherwise known as "The Local Government Code of 1991."

- 8.5. Pricing of Sales - The Contractor shall dispose of the minerals and by-products produced at the highest market price prevailing in the locality. The Contractor shall also pay the lowest achievable marketing commissions and related fees and shall negotiate for more advantageous terms and conditions subject to the right to enter into long-term sales or marketing contracts or foreign exchange and commodity hedging contracts, which the Government acknowledges to be acceptable notwithstanding that the sale price of the minerals and by-products may from time to time be lower, or the terms and conditions of sales are less favorable, than that available elsewhere. The Contractor shall seek to strike a balance between long-term sales or marketing contracts or foreign exchange and commodity hedging contracts



comparable to policies followed by independent producers in the international mining industry.

The Contractor shall likewise seek a balanced distribution among consumers. Insofar as sales to Contractor's affiliate(s) are concerned, prices shall be at arm's length standard, and competing offers for large scale and long-term contracts shall be procured. Before any sale and/or shipment of mineral product is made, existing and future marketing contract(s)/sales agreement(s) shall be submitted to the Director, copy furnished the Regional Director concerned, for registration. At the same time, the Contractor shall regularly inform the Director in writing of any revisions, changes or additions in said contract(s)/agreement(s).

The Contractor shall reflect in its Monthly/Quarterly Report on Production, Sales and Inventory of Minerals, as well as in the Integrated Annual Report, the corresponding registration number(s) of the marketing contract(s)/agreement(s) governing the export or sale of minerals.

- 8.6. Associated Minerals - If minerals other than silica and other associated mineral deposits are discovered in commercial quantities in the Contract Area, the value thereof shall be added to the value of the principal mineral in computing the Government share.

## SECTION IX

### WORK PROGRAMS

- 9.1. Submission to Government - Within the periods stated herein, the Contractor shall prepare and submit to the Director, through the Regional Director concerned, a Work Program and corresponding Budget for the Contract Area stating the Mining Operations and expenditures which the Contractor proposes to carry out during the period covered with the details and particulars set forth elsewhere in this Agreement or in the supporting documents.
- 9.2. Government's Examination and Revision of Work Program - Should the Government decide to propose a revision to a certain specific feature in the Work Program or Budget, it shall, within thirty (30) days after receipt thereof, provide a Notice to the Contractor specifying in reasonable detail its reasons therefore. Promptly thereafter, the Government and Contractor will meet and endeavor to agree on the revision proposed by the Government. In any event, the revision of any portion of said Work Program or Budget in which the Government shall fail to notify the Contractor of the proposed revision shall, insofar as possible, be carried out as prescribed herein. If the Government should fail within sixty (60) days from receipt thereof to notify Contractor of the proposed revisions, the Work Program and Budget proposed by the Contractor shall be deemed to be approved.
- 9.3. Contractor's Changes to Work Program - It is recognized by the Government and the Contractor that the details of any Work Program may require changes in the light of changing circumstances. The Contractor may make such changes: Provided, That it shall not change the general objective of the Work Program; Provided further, That changes which entail a negative



variance of at least twenty percent (20%) shall be subject to the approval of the Director.

In case of any positive variance, the Contractor shall submit to the Director, through the Regional Director concerned, a copy each of the Work Programs, for information.

- 9.4. The Government's approval of a proposed Work Program and Budget will not be unreasonably withheld.

## SECTION X

### ENVIRONMENTAL PROTECTION AND MINE SAFETY AND HEALTH

- 10.1. The Contractor shall manage its Mining Operations in a technically, financially, socially, culturally and environmentally responsible manner to achieve the sustainable development objectives and responsibilities as provided for under the implementing rules and regulations of the Act.
- 10.2. The Contractor shall ensure that the standards of environmental protection are met in the course of the Mining Operations. To the extent possible, control of pollution and the transformation of the mined-out areas or materials into economically and socially productive forms must be done simultaneously with mining.
- 10.3. An Environmental Compliance Certificate (ECC) shall be secured first by the Contractor prior to the conduct of any development works, construction of production facilities and/or mine production activities in the Contract Area.
- 10.4. The Contractor shall submit the following Programs/Plan as prescribed in the implementing rules and regulations of the Act:
- Environmental Work Program;
  - Community Development Program;
  - Environmental Protection and Enhancement Program (EPEP); and Final Mine Rehabilitation and/or Decommissioning Plan;
  - Annual Environmental Protection and Enhancement Program (AEPEP); and
  - Social Development and Management Program (SDMP).
- 10.5. The Contractor shall establish a Contingent Liability and Rehabilitation Fund (CLRF) which shall be in the form of the Mine Rehabilitation Fund (MRF) and the Mine Waste and Tailings Fee (MWTF).

The MRF shall be based on the financial requirements of the approved EPEP as a reasonable environmental deposit to ensure satisfactory compliance with the commitments/strategies of the EPEP/AEPEP and availability of funds for the performance of the EPEP/AEPEP during the specific project phase. The MRF shall be deposited as Trust Fund in a



government depository bank and shall be used for physical and social rehabilitation of areas affected by mining activities and for research on the social, technical and preventive aspects of rehabilitation.

The MWTF shall be collected based on the amounts of mine waste and mill tailings generated during the conduct of Mining Operations. The MWTF collected shall accrue to a Mine Waste and Tailings Reserve Fund and shall be deposited in a government depository bank for payment of compensation for damages caused by the Mining Operations.

- 10.6. The Contractor shall set up mitigating measures such as mine waste and mill tailings disposal system, mine rehabilitation or plan, water quality monitoring, etc. to minimize land degradation, air and water pollution, acid rock drainage and changes in hydrogeology.
- 10.7. The Contractor shall set up an Environmental and Safety Office at its minesite manned by qualified personnel to plan, implement and monitor its approved EPEP.
- 10.8. The Contractor shall be responsible in the monitoring of environmental, safety and health conditions in the Contract Area and shall strictly comply with all the rules and regulations embodied under DENR Administrative Order No. 2000-98, otherwise known as the "Mine Safety and Health Standards."

## SECTION XI

### RIGHTS AND OBLIGATIONS OF THE PARTIES

#### 11.1. Obligations of the Contractor:

- a. To exclusively conduct sustainable Mining Operations within the Contract Area in accordance with the provisions of the Act and its implementing rules and regulations;
- b. To construct and operate any facilities specified under the Mineral Agreement or approved Work Program;
- c. To determine the exploration, mining and treatment process to be utilized in the Mining Operations;
- d. To extract, remove, use and dispose off any tailings as authorized by an approved Work Program;
- e. To secure all permits necessary or desirable for the purpose of Mining Operations;
- f. To keep accurate technical records about the Mining Operations, as well as financial and marketing accounts, and make them available to Government representatives authorized by the Director for the purpose of assessing the performance and compliance of the Contractor with the terms of this Agreement. Authorized representatives of other Government Agencies may also have access



- to such accounts in accordance with existing laws, rules and regulations;
- g. To furnish the Bureau all the data and information gathered from the Contract Area and that all the books of accounts and records shall be open for inspection;
  - h. To allow access to Government during reasonable hours in inspecting the Contract Area and examining pertinent records for purposes of monitoring compliance with the terms of this Agreement;
  - i. To hold the Government free and harmless from all claims and accounts of all kinds, as well as demands and actions arising out of the accidents or injuries to persons or properties caused by Mining Operations of the Contractor and indemnify the Government for any expenses or costs incurred by the Government by reason of any such claims, accounts, demands or actions;
  - j. To allot annually a minimum of one and a half percent (1.5%) of the operating costs necessary to implement activities for the development of mining community, mining technology and geosciences, and institutionalization of public awareness and education on mining and geosciences;
  - k. In the development of the community:
    - k.1. To recognize and respect the rights, customs and traditions of indigenous cultural communities over their ancestral lands and to allocate royalty payment of not less than one percent (1%) of the value of the gross output of minerals sold;
    - k.2. To coordinate with proper authorities in the development of the host and neighboring communities in accordance with the SDMP and to promote the general welfare of the inhabitants living therein. Where traditional self-sustaining income and the community activities are identified to be present, the Contractor shall assist in the preservation and/or enhancement of such activities; and
    - k.3. To give preference to Filipino citizens who have established domicile in the neighboring communities, in the hiring of personnel for its mining operations. If necessary skills and expertise are currently not available, the Contractor must immediately prepare and undertake a training and recruitment program at its expense;
  - l. In the development of Mining Technology and Geosciences:
    - l.1. In the course of its operations, to produce geological, geophysical, geochemical and other types of maps and reports that are appropriate in scale and in format and substance which are consistent with the internationally accepted



standards and practices. Such maps shall be made available to the scientific community in the most convenient and cost effective forms, subject to the condition that the Contractor may delay release of said information for a reasonable period of time which shall not exceed three (3) years;

- 1.2. To systematically keep the data generated from the Contract/Mining Area such as cores, assays and other related information, including economic and financial data and make them accessible to students, researchers and other persons responsible for developing mining, geoscience and processing technology subject to the condition that the Contractor may delay release of data to the science and technology community within a reasonable period of time which shall not exceed three (3) years;
  - 1.3. To transfer to the Government or local mining company the appropriate technology it may adapt in the exploration, development and commercial utilization of the minerals in the Contract Area;
  - 1.4. To develop a program for the advancement of mining technology and geosciences to build up resources and mineral discoveries, improve operational efficiency and resource recovery, and enhance environmental protection and mine safety;
  - 1.5. To allocate research and development budget for the advancement of mining technology and geosciences in coordination with the Bureau, research institutions, academe, etc.; and
  - 1.6. To replicate data, maps and reports cited in (k.1) and (k.2) and furnish the Bureau for archiving and systematic safekeeping which shall be made available to the science and technology community for conducting research and undertaking other activities which contribute to the development of mining, geoscience and processing technology and the corresponding national pool of manpower talents: Provided, however, that the release of data, maps and the like shall be similarly constrained in accordance with (k.1) and (k.2) above;
- m. To develop and institutionalize an Information, Education and Communication Program for greater public awareness and understanding of responsible mining and geosciences;
- n. To incorporate in the Mining Project Feasibility Study the planned expenditures necessary to implement all the plans and programs set forth in this Agreement; and
- o. To pay all other taxes and fees mandated by existing laws, rules and regulations.



**11.2. Rights of the Contractor:**

- a. To conduct Mining Operations within the confines of its Contract/Mining Area in accordance with the terms and conditions hereof and without interfering with the rights of other Contractors/Lessees/Operators/Permittees/Permit Holders;
- b. Possession of the Contract Area, with full right of ingress and egress and the right to occupy the same, subject to surface and easement rights;
- c. To use and have access to all declassified geological, geophysical, drilling, production and other data relevant to the mining operations;
- d. To sell, assign, transfer, convey or otherwise dispose of all its rights, interests and obligations under the Agreement subject to the approval of the Government.
- e. To employ or bring into the Philippines foreign technical and specialized personnel, including the immediate members of their families as may be required in the operations of the Contractor, subject to applicable laws and regulations; Provided, That if the employment connection of such foreign persons with the Contractor ceases, the applicable laws and regulations on immigration shall apply to them. Every time foreign technologies are utilized and where alien executives are employed, an effective program of training understudies shall be undertaken. The alien employment shall be limited to technologies requiring highly specialized training and experience subject to the required approval under existing laws, rules and regulations;
- f. To enjoy easement rights and use of timber, water and other natural resources in the Contract Area subject to pertinent laws, rules and regulations and the rights of third parties;
- g. Repatriation of capital and remittance of profits, dividends and interest on loans, subject to existing laws and Bangko Sentral ng Pilipinas rules and regulations; and
- h. To import when necessary all equipment, spare parts and raw materials required in the operations in accordance with existing laws and regulations.

**11.3. Obligations of the Government:**

- a. To ensure that the Contractor has the Government's full cooperation in the exercise of the rights granted to it under this Agreement;
- b. To use its best efforts to ensure the timely issuance of necessary permits and similar authorizing documents for use of the surface of the Contract Area; and



- c. To cooperate with the Contractor in its efforts to obtain financing contemplated herein from banks or other financial institutions; Provided, That such financing arrangements will in no event reduce the Contractor's obligation on Government rights hereunder.

## SECTION XII

### ASSETS AND EQUIPMENT

- 12.1. The Contractor shall acquire for the Mining Operations only such assets that are reasonably estimated to be required in carrying out such Mining Operations.
- 12.2. All materials, equipment, plant and other installations of a movable nature erected or placed on the Contract Area by the Contractor shall remain the property of the Contractor. The Contractor shall have the right to remove and re-export such materials and equipment, plant and other installations from the Philippines, subject to existing rules and regulations. In case of cessation of Mining Operations on public lands occasioned by its voluntary abandonment or withdrawal, the Contractor shall have a period of one (1) year from the time of cessation within which to remove its improvements; otherwise, all social infrastructures and facilities shall be turned over or donated tax free to the proper government authorities, national or local, to ensure that said infrastructures and facilities are continuously maintained and utilized by the host and neighboring communities.

## SECTION XIII

### EMPLOYMENT AND TRAINING OF PHILIPPINE PERSONNEL

- 13.1. The Contractor agrees to employ, to the extent possible, qualified Filipino personnel in all types of mining operations for which they are qualified; and after Commercial Production commences shall, in consultation and with consent of the Government, prepare and undertake an extensive training programme suitable to Filipino nationals in all levels of employment. The objective of said programme is to reach within the timetable set forth below the following targets of "Filipinization":

	Unskilled (%)	Skilled (%)	Clerical (%)	Professional (%)	Management (%)
Year 1	100	100	100	75	75
Year 3	100	100	100	80	80
Year 5	100	100	100	90	90
Year 7	100	100	100	95	95
Year 10	100	100	100	95	95
Year 15	100	100	100	100	95

- 13.2. Cost and expenses of training such Filipino personnel and the Contractor's own employees shall be included in the Operating Expenses.



Department of Environment  
and Natural Resources



SENRO28281

- 13.3. The Contractor shall not discriminate on the basis of gender and shall respect the right of women workers to participate in policy and decision-making processes affecting their rights and benefits.

#### SECTION XIV

##### ARBITRATION

- 14.1. The Government and the Contractor shall consult with each other in good faith and shall exhaust all available remedies to settle any and all disputes or disagreements arising out of or relating to the validity, interpretations, enforceability, or performance of this Agreement before resorting to arbitration as provided for in Section 14.2. below.
- 14.2. Any disagreement or dispute which can not be settled amicably within a period of one (1) year from the time the issue is raised by a Party shall be settled by a tribunal of three (3) arbitrators. This tribunal shall be constituted as follows; one to be appointed by the Contractor and the other to be appointed by the Secretary. The first two appointed arbitrators shall consider names of qualified persons until agreement on a mutually acceptable Chairman of the tribunal is selected. Such arbitration shall be initiated and conducted pursuant to Republic Act No. 876, otherwise known as the "Arbitration Act."

In any event, the arbitration shall be conducted applying the substantive laws of the Republic of the Philippines.

- 14.3. Each party shall pay fifty percent (50%) of the fees and expenses of the Arbitrators and the costs of arbitration. Each party shall pay its own costs and attorney's fee.

#### SECTION XV

##### SUSPENSION OR TERMINATION OF CONTRACT, TAX INCENTIVES AND CREDITS

- 15.1. This Agreement may be suspended for failure of the Contractor: (a) to comply with any provision or requirement of the Act and/or its implementing rules and regulations; (b) to pay on time the complete taxes, fees and/or other charges demandable and due the Government.
- 15.2. This Agreement terminates or may be terminated for the following causes: (a) expiration of its term, whether original or renewal; (b) withdrawal from the Agreement by the Contractor; (c) violation by the Contractor of the Agreement's terms and conditions; (d) failure to pay taxes, fees/or charges or financial obligations for two (2) consecutive years; (e) false statement or omission of facts by the Contractor; and (f) any other cause or reason provided under the Act and its implementing rules and regulations, or any other relevant laws and regulations.



- 15.3. All statements made in this Agreement shall be considered as conditions and essential parts hereof, and any falsehood in said statements or omission of facts which may alter, change or affect substantially the fact set forth in said statements shall be a ground for its revocation and termination.
- 15.4. The Contractor may, by giving due notice at any time during the term of this Agreement, apply for its cancellation due to causes which, in the opinion of the Contractor, render continued mining operation no longer feasible or viable. In this case, the Secretary shall decide on the application within thirty (30) days from notice. Provided, That the Contractor has met all the financial, fiscal and legal obligations.
- 15.5. No delay or omissions or course of dealing by the Government shall impair any of its rights under this Agreement, except in the case of a written waiver. The Government's right to seek recourse and relief by all other means shall not be construed as a waiver of any succeeding or other default unless the contrary intention is reduced in writing and signed by the party authorized to exercise the waiver.
- 15.6. In case of termination, the Contractor shall pay all the fees and other liabilities due up to the end of the year in which the termination becomes effective. The Contractor shall immediately carry out the restoration of the Contract Area in accordance with good mining industry practice.
- 15.7. The withdrawal by the Contractor from the Mineral Agreement shall not release it from any and all financial, environmental, legal and fiscal obligations under this Agreement.
- 15.8. The following acts or omission, *inter alia* shall constitute breach of contract, upon which the Government may exercise its right to terminate the Agreement:
  - a. Failure of the Contractor without valid reason to commence Commercial Production within the period prescribed; and/or
  - b. Failure of the Contractor to conduct mining operations and other activities in accordance with the approved Work Programs and/or any modification thereof as approved by the Director.
- 15.9. The Government may suspend and cancel tax incentives and credits if the Contractor fails to abide by the terms and conditions of said incentives and credits.

## SECTION XVI

### OTHER PROVISIONS

- 16.1. Any terms and conditions resulting from repeal or amendment of any existing laws or regulation or from the enactment of a law, regulation or administrative order shall be considered a part of this Agreement.



#### 16.2. Notice

All notices, demands and other communications required or permitted hereunder shall be made in writing, telex or telecopy and shall be deemed to have been duly given notice, in the case of telex or telecopy, if answered back or confirmation received, or if delivered by hand, upon receipt or ten days after being deposited in the mail, airmail postage prepaid and addressed as follows:

If to the Government:

**THE SECRETARY**  
Department of Environment and Natural Resources  
DENR Building, Visayas Avenue  
Diliman, Quezon City

If to the Contractor:

**THE PRESIDENT AND GENERAL MANAGER**  
Rapid City Realty and Development Corporation  
167 Sumulong Highway, Mayamat, Antipolo, Rizal

Either party may substitute or change such address on notice thereof to the other party: Provided, That the Contractor shall, in case of any change of address during the term of this Agreement, notify the Director in writing. Failure to do such notification shall be deemed as waiver by the Contractor to be informed about any communications as provided in Section 16.2 above.

#### 16.3. Governing Law

This Agreement and the relation between the parties hereto shall be governed by and construed in accordance with the laws of the Republic of the Philippines. The Contractor hereby agrees and obliges itself to comply with the provisions of the Act, its implementing rules and regulations and other relevant laws and regulations.

#### 16.4. Suspension of Obligation

- Any failure or delay on the part of any party in the performance of its obligation or duties hereunder shall be excused to the extent attributable to Force Majeure as defined in the Act: Provided, That the suspension of Mining Operations due to Force Majeure causes shall be subject to approval by the Director.
- If Mining Operations are delayed, curtailed or prevented by such Force Majeure causes, then the time for enjoying the rights and carrying out the obligations thereby affected, the term of this Agreement and all rights and obligations hereunder shall be extended for a period equal to the period involved.
- The Party, whose ability to perform its obligations is affected by such Force Majeure causes, shall promptly give Notice to the other in

## 16.5. Amendments

This Agreement shall not be annulled, amended or modified in any respect except by mutual consent in writing of the herein parties.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement, as of the day and year first above written

THE REPUBLIC OF THE PHILIPPINES

BY:



HORACIO C. RAMOS

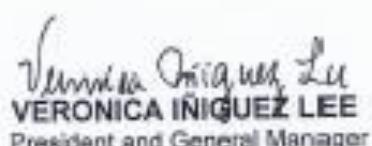
Acting Secretary  
Department of Environment and Natural Resources



RAPID CITY REALTY AND DEVELOPMENT CORPORATION

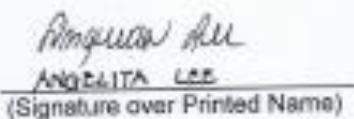
TIN: \_\_\_\_\_

BY:



VERONICA INIGUEZ LEE  
President and General Manager

SIGNED IN THE PRESENCE OF:



ANGELITA LEE  
(Signature over Printed Name)



(Signature over Printed Name)  
EDWIN G. DOMINGO

## ACKNOWLEDGMENT

Republic of the Philippines)  
Quezon City ) s.s

Before me, a Notary Public for and in the City of Quezon, personally appeared HORACIO C. RAMOS with Community Tax Certificate No. 18221963 issued on January 06, 2010 at Quezon City, in his capacity as Acting Secretary of the Department of Environment and Natural Resources, and VERONICA INIGUEZ LEE, with Community Tax Certificate 24365749 issued on January 10, 2010 at Antipolo City, in her capacity as President and General Manager of Rapid City Realty and Development Corporation, both known to me and to me known to be the same persons who executed the foregoing instrument consisting of twenty-four (24) pages, including this acknowledgment page, and acknowledged to me that the same is their voluntary acts and deeds.

IN WITNESS WHEREOF, I have hereunto set my hand and affix my notarial seal, this \_\_\_\_\_ day of JULY 15 2010.

NOTARY PUBLIC

Until December 31, 2010

PTB No. 3229338 /08-10 Q-F,  
ISP No. 803853 12-28-09 Mid-N  
MCLE Compliance No. II = 00016247  
Roll of Attorney's No. 28343 ✓

Doc. No. 228  
Page No. 44  
Book No. X  
Series of 2010





## **Annex B – Copy of ECC-R4A-1107-0339**



Department of Environment and Natural Resources  
Environmental Management Bureau  
Regional Office No. IV - CALABARZON

JUL 25 2011

ECC Reference Code: ECC-R4A-1107-0339

**MS. VERONICA I. LEE**  
President and General Manager  
**Rapid City Realty & Development Corporation**  
167 Sumulong Highway, Brgy. Mayamot  
Antipolo City, Rizal 1870

**SUBJECT: ENVIRONMENTAL COMPLIANCE CERTIFICATE**

Dear Ms. Lee

This has reference to your **Environmental Compliance Certificate (ECC)** application for your **Aggregates, Silica, Other Materials Quarry and Crushing Plant Project** in **Barangay Dalig, Teresa, Rizal**. Please be informed that after evaluation of the documents submitted on the aforesaid project, this Office has decided to grant your application for ECC which is hereto attached.

In issuing this **CERTIFICATE**, it should be understood that the same is a **PLANNING TOOL** and **NOT A PERMIT**. It is expected that you will diligently secure pertinent PERMITS/CLEARANCES from all concerned government agencies pertaining to the implementation of your project. With the issuance of this ECC, you are expected to strictly implement the measures presented in the Initial Environmental Examination (IEE) Report intended to protect and mitigate the project's adverse impacts on community health, welfare and the environment. Environmental considerations should be incorporated in all phases and aspects of your project.

The DENR/EMB will be monitoring the project periodically to ensure your compliance with stipulations cited in the attached ECC. Finally, any expansion or modification of currently approved plans will be subjected to new Environmental Impact Assessment (EIA) requirements.

For your information and guidance.

Very truly yours,

**ALLAN L. LEUTERO**  
Regional Director

6th Floor DENR by the Bay Bldg., 1515 Roxas Blvd., Ermita, Manila  
RD's Office 536-2808; 538-3096; Telefax No. 536-9784; Admin/Finance Division Telefax No. 404-1610  
PC Division 525-0348; 404-3974; EIA Division Telefax No. 522-8177  
E-mail Address: emb\_r4a@denr.gov.ph



Department of Environment and Natural Resources  
Environmental Management Bureau  
Regional Office No. IV - CALABARZON

**ENVIRONMENTAL COMPLIANCE CERTIFICATE**

(Issued under Presidential Decree 1586)

ECC-R4A-1107-0339

THIS IS TO CERTIFY THAT THE PROPONENT, RAPID CITY REALTY & DEVELOPMENT CORPORATION is granted this Environmental Compliance Certificate (ECC) for the AGGREGATES, SILICA, OTHER MATERIALS QUARRY AND CRUSHING PLANT PROJECT located at Barangay Dalig, Teresa, Rizal by the Department of Environment and Natural Resources (DENR), through the Environmental Management Bureau (EMB), CALABARZON Region.

This Certification is being issued for the Project, with the following details:

**PROJECT DESCRIPTION**

The Aggregates, Silica, Other Materials Quarry and Crushing Plant Project shall have a maximum annual extraction capacity not to exceed Seventy Two Thousand (72,000) metric tons of aggregates and other filling/mineral deposits, within a Contract Area of One Hundred Seventy Seven Thousand Six Hundred Ninety Seven (177,697) square meters under a Mineral Production Sharing Agreement (MPSA) No. 345-2010-IVA (portion of Parcel 1) issued on June 9, 2010, located at Barangay Dalig, Teresa, Rizal. The project area is specifically identified with the following geographical coordinates:

Corner	Latitude	Longitude
1	14°34'26.81"	121°13'41.37"
2	14°34'30.00"	121°13'42.67"
3	14°34'30.00"	121°13'33.32"
4	14°34'39.52"	121°13'33.32"
5	14°34'42.68"	121°13'31.90"
6	14°34'42.30"	121°13'37.60"
7	14°34'34.60"	121°13'39.70"
8	14°34'38.05"	121°13'46.70"
9	14°34'34.98"	121°13'48.90"
10	14°34'33.75"	121°13'32.91"
11	14°34'30.00"	121°13'52.51"
12	14°34'26.171"	121°13'51.81"

This certification is issued in compliance to the requirements of Presidential Decree No. 1586, in accordance to Department Administrative Order No. 2003-30. The Bureau, however, is not precluded from reevaluating, adding, removing, and correcting any deficiencies or errors that may be found after issuance of this Certificate.

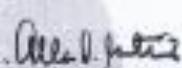
ECC-R4A-1107-0339  
Rapid City Realty & Development Corporation  
Aggregates, Silica, Other Materials Quarry and Crushing Plant Project

6th Floor DENR Bay Bldg., 1515 Roxas Blvd., Ermita, Manila  
RD's Office 538-2800; 538-3095; Telefax No. 538-9784; Admin/Finance Division Telefax No. 404-1610  
PC Division 525-0348; 404-3974; EIA Division Telefax No. 522-8177  
E-mail Address: emb\_r4a@denr.gov.ph

This is to certify, further, that in issuing this CERTIFICATE, it should be understood that the same is a PLANNING TOOL and NOT A PERMIT. It is expected that the proponent will diligently secure pertinent PERMITS/CLEARANCES from all concerned government agencies prior to the start/implementation of the project. Furthermore, the DENR/EMB will be monitoring the project periodically to ensure compliance with the stipulations cited in the attached conditions and restrictions which are made as integral part of this ECC.

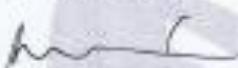
Issued at EMB CALABARZON Region this JUL 25 2011

Approved by:

  
ALLAN L. LEUTERIO  
Regional Director



Recommending Approval:

  
NOEMI A. PARANADA  
Chief, Environmental Impact  
Assessment and Management Division



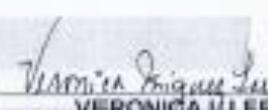
ECC-R4A\_1107-0339

Rapid City Realty & Development Corporation  
Aggregates, Silica, Other Materials Quarry and Crushing Plant Project

2

## SWORN STATEMENT OF OWNER/PROPOSERNT

Under the provisions of Presidential Decree 1585, I, VERONICA I. LEE, do hereby certify that the information provided to the Department of Environment and Natural Resources (DENR) - Environmental Management Bureau (EMB), CALABARZON Region pertaining to the Aggregates, Silica Other Materials Quarry and Crushing Plant Project located at Barangay Dalig, Teresa, Rizal, are true and correct to the best of my personal knowledge and based on the records in my possession and I shall take full responsibility in complying with all conditions and restrictions contained in this Environmental Compliance Certificate (ECC).



Veronica I. Lee

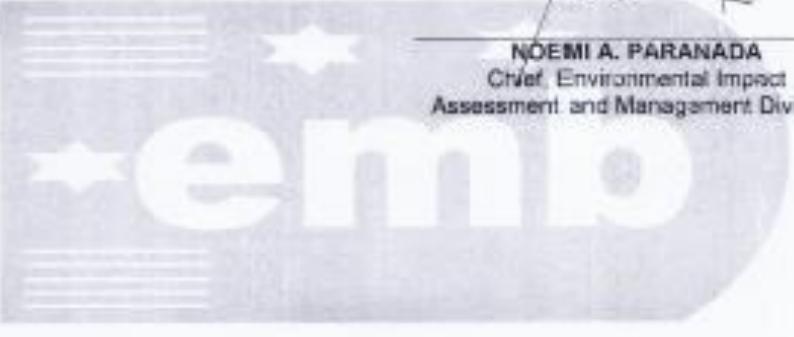
VERONICA I. LEE  
President and General Manager  
Rapid City Realty &  
Development Corporation  
TIN: \_\_\_\_\_

SUBSCRIBED AND SWORN TO before me this \_\_\_\_\_ the  
above-named affiant taking oath with Community Tax Certificate No. \_\_\_\_\_  
issued on \_\_\_\_\_ at \_\_\_\_\_



Noemí A. PARANADA

Chief, Environmental Impact  
Assessment and Management Division

ECC-R&A-1107-0339  
Rapid City Realty & Development Corporation  
Aggregates, Silica, Other Materials Quarry and Crushing Plant Project  
 3

**I. CONDITIONS****ENVIRONMENTAL MANAGEMENT**

The proponent shall strictly implement the following mitigating, enhancement, and rehabilitating measures:

1. That green buffer zones and tree planting shall be established within and along the periphery of the project site to help attenuate noise levels, abate heat and absorb some pollutant emissions. The proponent shall enter into a Memorandum of Agreement with the concerned DENR-Provincial Environment and Natural Resources Office in the implementation of the tree planting activity. The tree planting is one of the recommended activities in compliance with the government's commitment to the Kyoto Protocol Agreement.
2. That the proponent shall strictly manage all external, traffic problems, excessive surface runoff, dust, soil erosion, accidental spillage and health hazards identified in the Initial Environmental Examination (IEE) Report and, in case of emergency episodes, appropriate response activities shall be immediately undertaken for the protection of the workers/ personnel, host and nearby communities and the receiving environment.
3. That an effective Information, Education and Communication (IEC) Plan shall be implemented in all phases of the project including communication of environmental risks of the project implementation.
4. That a Social Development Program (SDP) shall be implemented for the personnel/workers, host barangay and affected communities which shall cover livelihood training and employment, including assistance in the setting-up of a social development welfare fund for health, education, credit facilities/cooperatives that will ensure the participation of youth and women.
5. That preservation and easement retention of natural drainage/waterways shall be undertaken and should conform with the provisions of the DENR Administrative Order No. 97-05 (Procedures in the Retention of Areas within certain distances along the Banks of Rivers, Streams, and Shores of Seas, Lakes and Oceans for Environmental Protection). If disturbed, a replacement drainage system shall be constructed within two (2) months from the disturbance.
6. That the solid waste management scheme as provided in the Environmental Management Plan (EMP) shall be continuously implemented from the start of the project operation.

**GENERAL CONDITIONS**

Further administrative conditions for the grant of this Certificate shall be strictly complied:

7. That the proponent shall religiously comply with the applicable provisions of P.D. 1586 (Philippine Environmental Impact Statement System), R.A. 9275 (Philippine Clean Water Act of 2004), R.A. 9003 (Ecological and Solid Waste Management Act of 2000), R.A. 6969 (Toxic Substances and Hazardous and Nuclear Waste Control Act of 1990) and R.A. 8749 (Philippine Clean Air Act of 1999) and the Sanitation Code of the Philippines (P.D. 856).
8. That the proponent shall install proper, effective and adequate drainage, sewage and wastewater treatment facility and that the discharges of wastewater and effluent shall conform with the DENR Effluent Standards.

9. That the proponent shall set-up a competent Environmental Unit and shall be duly accredited by this Office in accordance with DAO No. 28, series of 1992 (Appointment/Designation of Pollution Control Officers). The Environmental Unit shall be integrated in the proponent's organizational chart to handle all environment related aspects of the project implementation in addition to the monitoring requirements as specified in the Environmental Management Plan (EMP)/Environmental Monitoring Plan (EMoP) and other environmental commitments such as but not limited to the following:
  - 9.1 Monitor actual project impacts vis-à-vis the predicted impacts and management measures in the IEE Report.
  - 9.2 Ensure that all post-assessment permits/clearances from other concerned government agencies are secured and in place.
  - 9.3 Regular submission of a semi-annual ECC Compliance Monitoring Report (on or before January 15 and July 15 of each year the project is operational) provided with supporting documents and in accordance with the prescribed format stipulated in the Implementing Rules and Regulations of P.D. 1586.
  - 9.4 Submit a quarterly monitoring report using the prescribed format of the Self-Monitoring Report (SMR) pursuant to DAO 2003-27.
  - 9.5 Submit an Abandonment Plan two (2) months prior to the abandonment activities. It shall include rehabilitation measures/clean-up, costs, remediation of areas possibly contaminated with toxic/hazardous substances and presentation of options on proposed alternative projects in the area.
10. That the proponent shall strictly comply with the safety and environmental provisions under Chapter XI of R.A. 7942 (Philippine Mining Act of 1995) and its revised implementing rules and regulations (DAO No. 98-40 as amended), as well as the pertinent provisions of the Memorandum of Agreement (MOA) between the EMB and MGB executed on 16 April 1998 such as, but not limited to the following:
  - 10.1 The Mine Environmental Protection and Enhancement Officer (MEPEO) shall submit to MGB and EMB Office their monitoring reports on environmental compliance as well as with the Environmental Management and Monitoring Plan (EMMoP). The MEPEO shall also monitor the actual project impacts vis-à-vis the predicted impacts and management measures in the submitted IEE Report.
  - 10.2 Submission of Environmental Protection and Enhancement Program (EPEP), including Final Quarry Rehabilitation/ Decommissioning Plan (FMR/DP) within thirty (30) days from receipt of this Certificate to the MGB and EMB Office for approval.
11. That a supervised and controlled blasting technique shall be strictly employed in accordance with the implementing rules and regulations of R.A. 7942 (Philippine Mining Act of 1995) and standards of the Firearms and Explosives Office of the Philippine National Police (PNP).
12. That monitoring wells (one upslope and one downslope portion) shall be installed and maintained within the project site and identified direct impact areas, which shall include the following:
  - \* A semi-annual groundwater quality sampling shall be conducted and the results of the same shall be submitted to this Office.
  - \* Cisterns shall be installed to minimize the extraction of groundwater for domestic purposes.
13. That the proponent shall allocate ample budget for the implementation of the proposed mitigating/enhancement measures during the operation and abandonment phases of the project.
14. That health and sanitation practices shall be observed in all phases of the project and safety & personal protection equipment/devices shall always be provided to all employees/workers within the premises of the project site to prevent health and occupational hazards.

15. That a billboard containing this message: "Notice to the Public, This AGGREGATES, SILICA, OTHER MATERIALS QUARRY AND CRUSHING PLANT PROJECT of RAPID CITY REALTY & DEVELOPMENT CORPORATION has been issued an Environmental Compliance Certificate (ECC-R4A-1107-0339) by the Department of Environment and Natural Resources - Environmental Management Bureau CALABARZON Region on \_\_\_\_\_. shall be installed at all entry and exit points and in the perimeter of the project site facing the road to inform the general public within thirty (30) days from receipt of the ECC.
16. That a copy of the ECC shall be posted in a conspicuous location at the field office of the project site clearly visible to the public and shall be adequately framed or otherwise protected against damage and at the barangay bulletin board of the host barangay(s) within thirty (30) days from receipt of the ECC.
17. That any authorized DENR-EMB personnel, with proper identification card and travel/mission order, shall be allowed unconditional access to conduct an on-the-spot inspection and monitoring to the project without the need for prior notice to the proponent to oversee compliance to the ECC.

## II. RESTRICTIONS

1. That no other activities should be undertaken other than what was stipulated in the IEE Report. Should there be an expansion of the project beyond the project description, construction of other structures beyond those stated in the IEE Report; or any change in the activity or location, shall be made subject to a new Environmental Impact Assessment (EIA) requirements.
2. That all appropriate construction, operational and resource-use permits/clearances from other national and local government agencies concerned (i.e. PMRB, PNP, LGUs, LLDA, DPWH, NWRB, HLURB, DOH, MGB, DA, DAR, DOLE, DTI, etc.) shall be secured pertaining to the implementation of the project. Likewise, the proponent shall notify this Office of the reckoning date of project operation.
3. That in case of transfer of ownership/management of this project, these same conditions and restrictions shall apply and the transferee shall be required to notify this Office concerned within fifteen (15) days as regards to the transfer of ownership/management.
4. That the proponent (Rapid City Realty & Development Corporation as represented by its President and General Manager, Ms. Veronica I. Lee) and its IEE preparer (Engr. Venice V. Montemayor) shall be jointly and severally accountable for any misrepresentation and failure to state material information in the submitted documents.

The conditions stipulated in this Certificate shall be deemed final within fifteen (15) days from receipt hereof and all conditions and restrictions set forth above shall be complied with by the herein grantee. This ECC is deemed expired if not implemented within five (5) years from the date of issuance and the proponent shall have to apply for a new ECC if it intends to pursue the project.

**Non-compliance with any of the provisions of this certificate shall be a sufficient cause for the cancellation or suspension of this certificate and/or imposition of a fine in an amount not to exceed Fifty Thousand Pesos (PhP50,000.00) for every violation thereof.**

PROJECT ASSESSMENT PLANNING TOOL

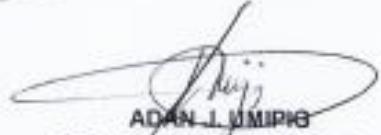
For the assistance of the Proponent, LGUs and other concerned government agencies (GAs) in the management of the project and for better coordination in mitigation on the impacts of the project on its surrounding areas and to the environment.

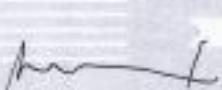
By way of recommendation, the following have been taken notice of by this Office and are providing these recommendations to the parties and authorities concerned for proper action and integration into their decision making-process.

Regulatory Conditions	
1. The proponent shall comply with, but not limited to the following:	
1.1 P.D. 856 or the Sanitation Code of the Philippines; 1.2 P.D. 442 or the Labor Code of the Philippines including occupational health and safety; 1.3 R.A. 6541 or the National Building Code of the Philippines including adequate storm drainage system and other flood control measures and compliance to the Fire Safety and Emergency Preparedness; 1.4 P.D. 705 & DAO 97-05; 1.5 R.A. 7942 or the Philippine Mining Act of 1995.	DOH DOLE-Bureau of Working Condition Municipal Planning & Dev'l Office/Building Official/BFP/ LGU Concerned
Environmental Planning Recommendations for the Proponent	
2. Close monitoring of the project should be undertaken by the proponent to maintain a high level of safety and efficiency at all phases of the project and to immediately address any environmental hazard that may take place.	DENR Sector concerned Mines and Geosciences Bureau  Proponent

For dissemination and proper action of the parties concerned.

  
ROBERT ANGELO M. METIN  
Case Handler

  
ADAM J. UMIPIG  
OIC, Project Evaluation Section

  
NOEMI A. PARANADA  
Chief, Environmental Impact  
Assessment and Management Division

  
ALLAN L. VEUTERIO  
Regional Director

O.R. No.	9858948	Date :	07/06/2011
Processing Fee	PhP3,700.00		
O.R. No.	9858947	Date :	07/06/2011
Screening Fee	PhP300.00		
O.R. No.	9857412	Date :	07/06/2011
Legal Fee	PhP40.00		

ECC-R4A-3107-0339  
Rapid City Realty & Development Corporation  
Aggregates, Silica, Other Materials Quarry and Crushing Plant Project



**Annex C – Copy of DENR Order consolidating other  
tenement to MPSA No. 345-2010-IVA, Amended I**



Republic of the Philippines  
Department of Environment and Natural Resources  
**MINES AND GEOSCIENCES BUREAU**

North Avenue, Diliman, Quezon City, Philippines  
Tel No. (+63 2) 920-8120/920-9130 Trunkline No. 697-6700 loc. 134 Fax No. (+63 2) 920-1635 Email: central@mgb.gov.ph



June 30, 2016

**IN RE: APPLICATION OF RAPID CITY REALTY  
AND DEVELOPMENT CORPORATION FOR  
AREA EXPANSION INVOLVING MINERAL  
PRODUCTION SHARING AGREEMENT NO.  
345-2010-IVA, EXPLORATION PERMIT NO.  
IVA-017 AND APPLICATIONS FOR  
EXPLORATION PERMIT DENOMINATED  
AS EPA-IVA-112 AND EPA-IVA-136**

X-----X

**NOTICE OF ISSUANCE OF AN ORDER**

**Ms. Veronica Iñiguez Lee** *07/15/2016*  
President and General Manager  
Rapid City Realty and Development Corporation  
167 Sumulong Highway, Mayamot  
1870 Antipolo City

Reg. Mail

**Engr. Samuel T. Paragas** *07/15/2016*  
Regional Director  
Mines and Geosciences Bureau  
Regional Office No. IVA (CALABARZON)  
8th Floor, DENR Building  
1515 Roxas Boulevard, Ermita  
1000 Manila

Reg. Mail

Please be notified that an Order was issued by the Department of Environment and Natural Resources on June 27, 2016 on the subject, a copy of which is attached.

By Authority of the Director:

**EDGARDO D. CASTILLO**  
Officer-In-Charge  
Mining Tenements Management Division



"MINING SHALL BE PRO-PEOPLE AND PRO-ENVIRONMENT  
IN SUSTAINING WEALTH CREATION AND IMPROVED QUALITY OF LIFE."



Republic of the Philippines  
Department of Environment and Natural Resources  
Visayas Avenue, Diliman, Quezon City  
Tel. Nos. (632) 829-66-26 to 29 • (632) 929-62-52  
929-66-20 • 929-66-33 to 35  
929-70-41 to 43

CERTIFIED TRUE COPY

 EDGARDO D. CASTILLO  
OFFICER-IN-CHARGE  
BUDGETS AND MANAGEMENT DIVISION

IN RE: APPLICATION OF RAPID CITY REALTY  
AND DEVELOPMENT CORPORATION  
FOR AREA EXPANSION INVOLVING  
MINERAL PRODUCTION SHARING  
AGREEMENT NO. 345-2010-IVA,  
EXPLORATION PERMIT NO. IVA-017  
AND APPLICATIONS FOR  
EXPLORATION PERMIT DENOMINATED  
AS EPA-IVA-112 AND EPA-IVA-136

X-----X

## ORDER

**WHEREAS**, Section 7 of Department of Environment and Natural Resources (DENR) Administrative Order (DAO) No. 2012-07, as amended<sup>1</sup>, provides that "No new mineral agreements shall be entered into until a legislation rationalizing existing revenue sharing schemes and mechanisms shall have taken effect. Provided, that any expansion of existing contract areas shall not exceed the maximum hectarage per province set by the Philippine Mining Act of 1995: x x x"

**WHEREAS**, the Mining Industry Coordinating Council issued Resolution No. 5 on March 4, 2015 transferring from its Technical Working Group on Environmental Protection and Legislation to the DENR-Mines and Geosciences Bureau (MGB) the function of validating applications for expansion of existing mining areas, including the field verification and subsequent approval of the pertinent application;

**WHEREAS**, thru the Letters dated January 26, 2016 and March 16, 2016, Rapid City Realty and Development Corporation (RCRDC) applied for the expansion of the area under Mineral Production Sharing Agreement (MPSA) No. 345-2010-IVA by annexing the 920.6800- and 648.0000-hectare areas covered by its applications for Exploration Permit (EP) denominated as EPA-IVA-112 and EPA-IVA-136, respectively, and a 620.6541-hectare portion of the area covered by EP No. IVA-017, pursuant to the pertinent provisions of Executive Order No. 79<sup>2</sup> and DAO No. 2012-07, as amended;

WHEREAS, the verification by the MGB of the applied areas shows that:

- (a) The 620.6541-hectare portion of the area covered by EP No. IVA-017 meets the pertinent requirements for it to be annexed to MPSA No. 345-2010-IVA;

<sup>1</sup>Implementing Rules and Regulations of Executive Order No. 79.

<sup>2</sup>Institutionalizing and Implementing Reforms in the Philippine Mining Sector Providing Policies and Guidelines to Ensure Environmental Protection and Responsible Mining in the Utilization of Mineral Resources.



卷之三

Let's Go Green

no 114.273

CERTIFIED TRUE COPY

  
EDGARDO D. CASTILLO  
OFFICER-IN-CHARGE  
MINING TENEMENTS MANAGEMENT DIVISION

- (b) Some portions of the area covered by EPA-IVA-112 are situated within the No-Go Zone, and not compliant with the meridional block requirement, thereby reducing it from 920.6800 to 496.5244 hectares;
- (c) Some portions of the area covered by EPA-IVA-136 are situated within the No-Go Zone and not compliant with the meridional block requirement, thereby reducing it from 648.0000 to 165.5866 hectares;

WHEREAS, RCRDC has substantially complied with the pertinent requirements for area expansion, including the required validation, pursuant to the pertinent provisions of EO No. 79 and DAO No. 2012-07, as amended;

WHEREAS, the application for expansion of the area under MPSA No. 345-2010-IVA has been recommended for approval by the MGB Director thru the Memorandum dated June 15, 2016 subject to the submission of certain documents as contained in the Memorandum of even date to the MGB Regional Office No. IVA (CALABARZON);

WHEREFORE, the foregoing premises considered, the Mineral Production Sharing Agreement No. 345-2010-IVA granted to Rapid City Realty and Development Corporation is hereby amended by annexing as Parcel III the 496.5244-hectare area covered by EPA-IVA-112, as Parcels IV, V and VI the 620.6541-hectare portion of EP No. IVA-017 and as Parcel VII the 165.5866-hectare area covered by EPA-IVA-136, as shown in Annex A hereof, under the same terms and conditions provided for under the said Mineral Production Sharing Agreement and the existing applicable laws, rules and regulations. Consequently, Mineral Production Sharing Agreement No. 345-2010-IVA is hereby redenominated as No. 345-2010-IVA-Amended I.

SO ORDERED.

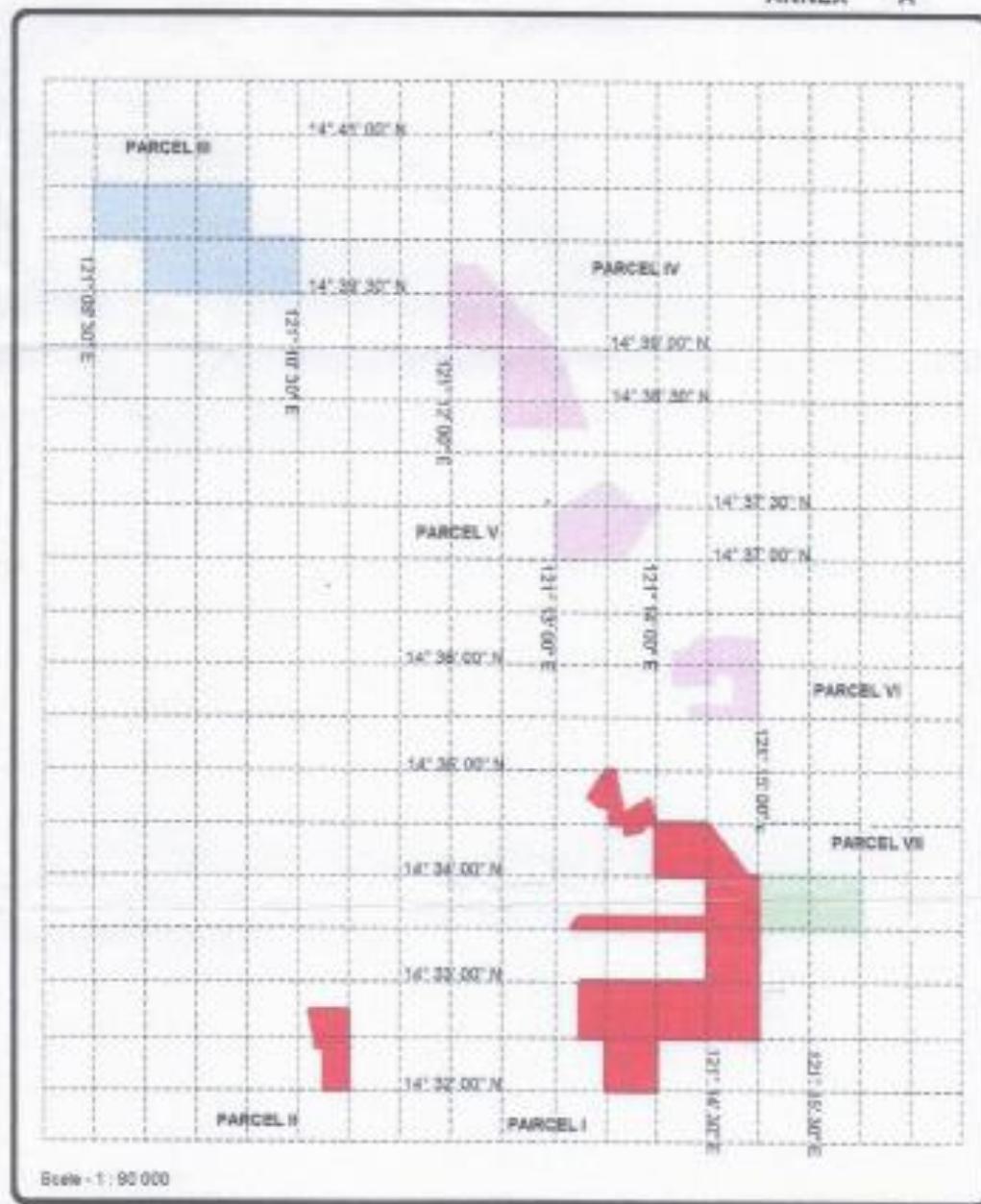
Quezon City, Philippines, 27 JUN 2016.

By Authority of the Secretary:

LEO L. JASARENO  
Director  
Mines and Geosciences Bureau



## ANNEX "A"



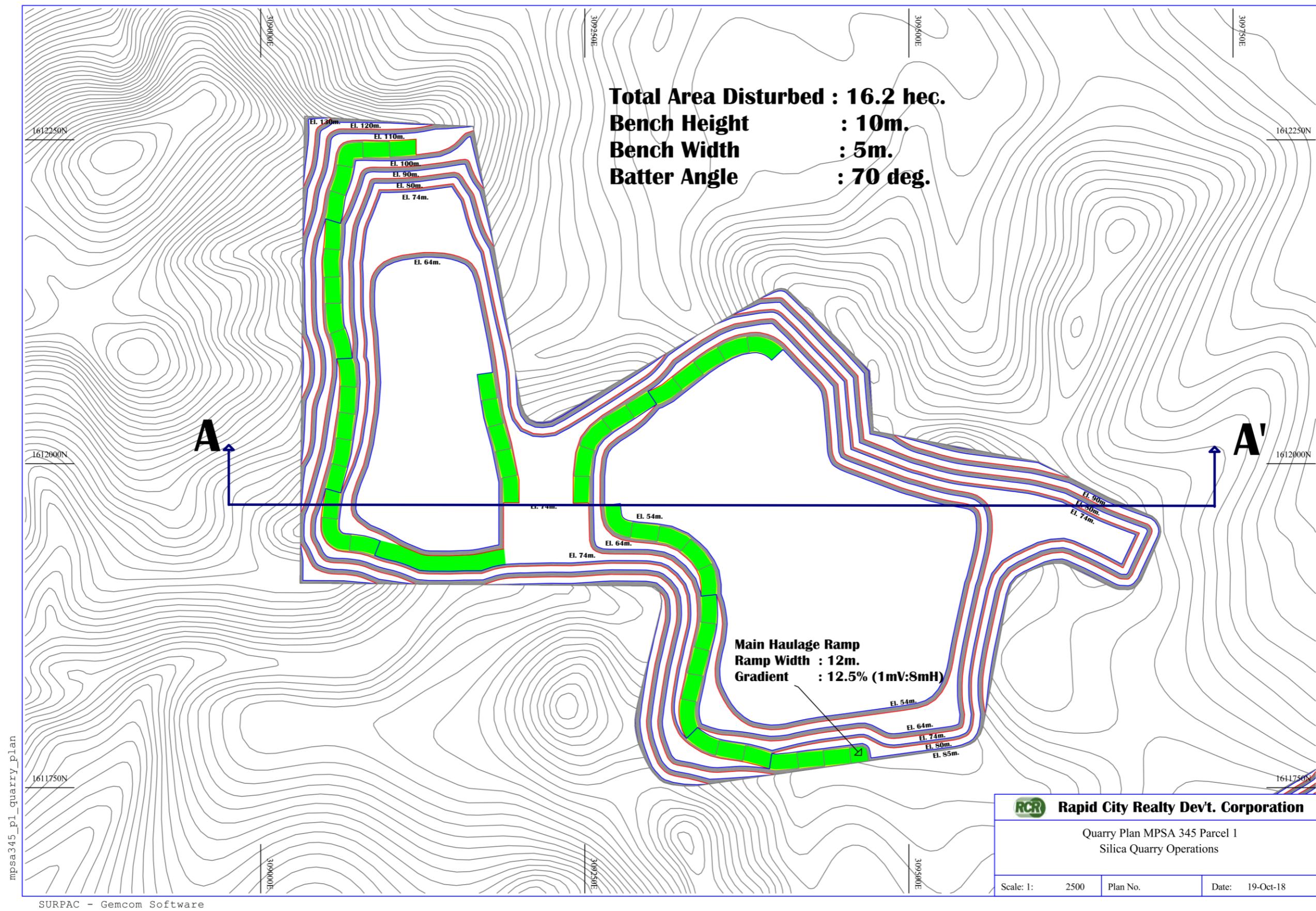
Sketch plan showing the Expansion Area of Rapid City Realty and Dev't. Corp. denominated as MPSA No. 345-2010-IVA in Teresa, Morong and Angono, Rizal

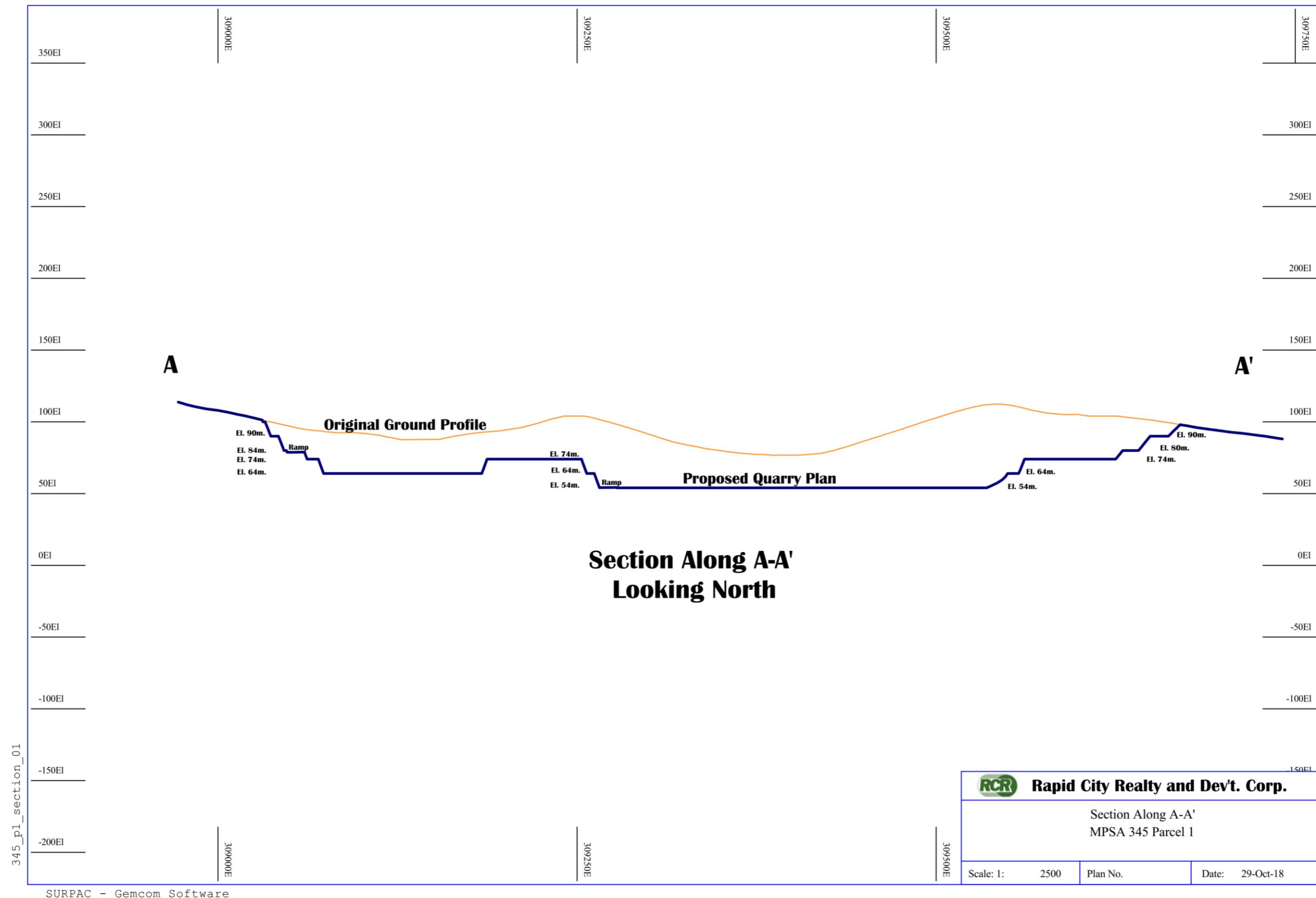
## LEGEND

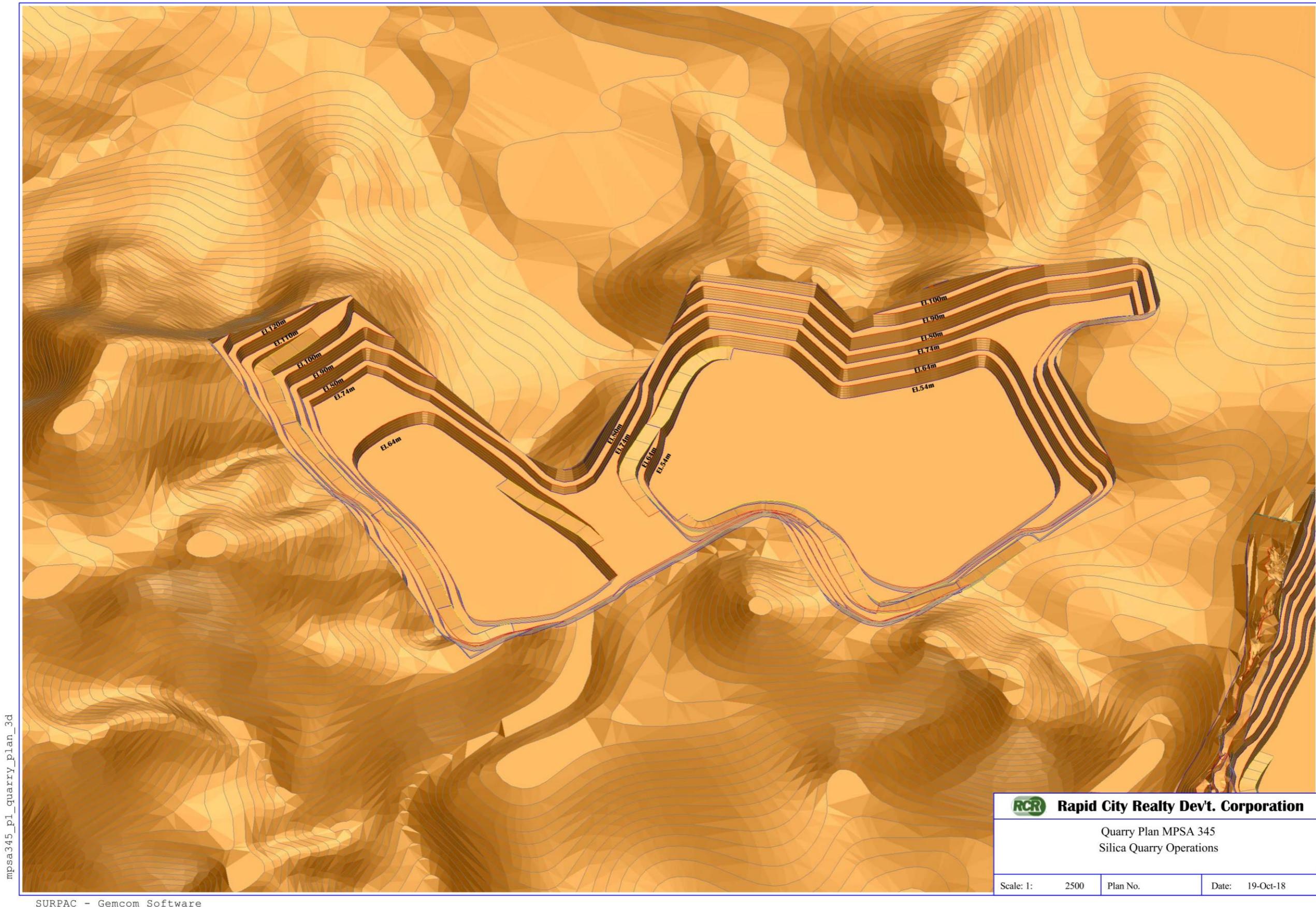
- MPSA No. 345-2010-IVA
- EPA-IVA-112
- EP-017-IVA
- EPA-IVA-136



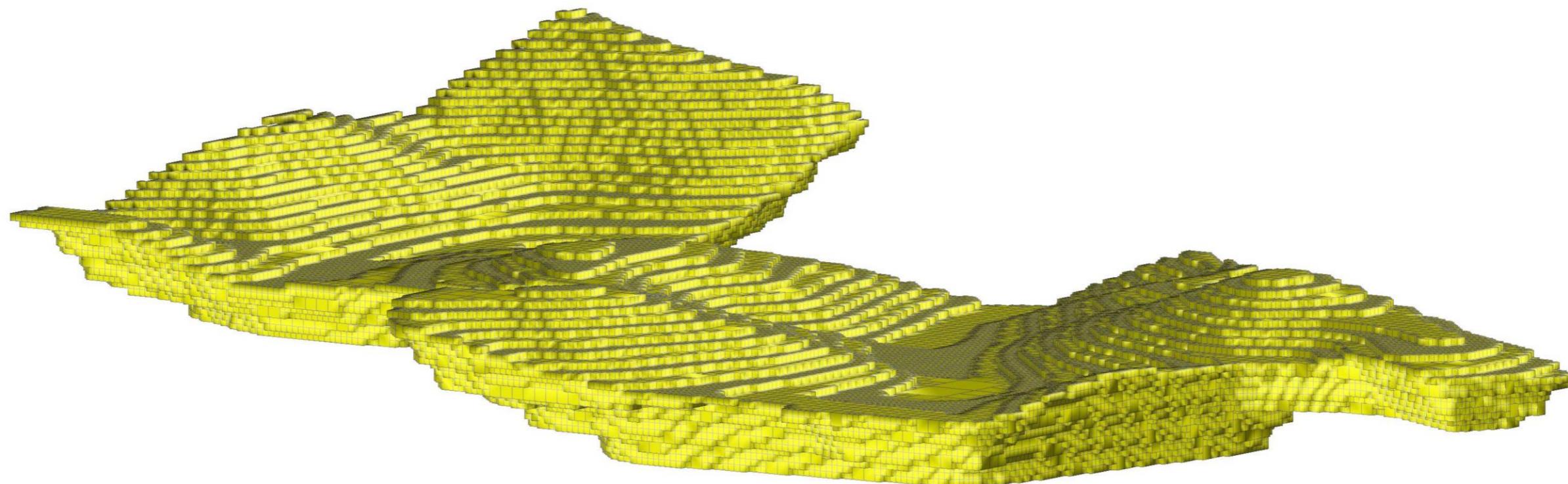
## **Annex D – Copy of Quarry Plans, sections and resource estimates**







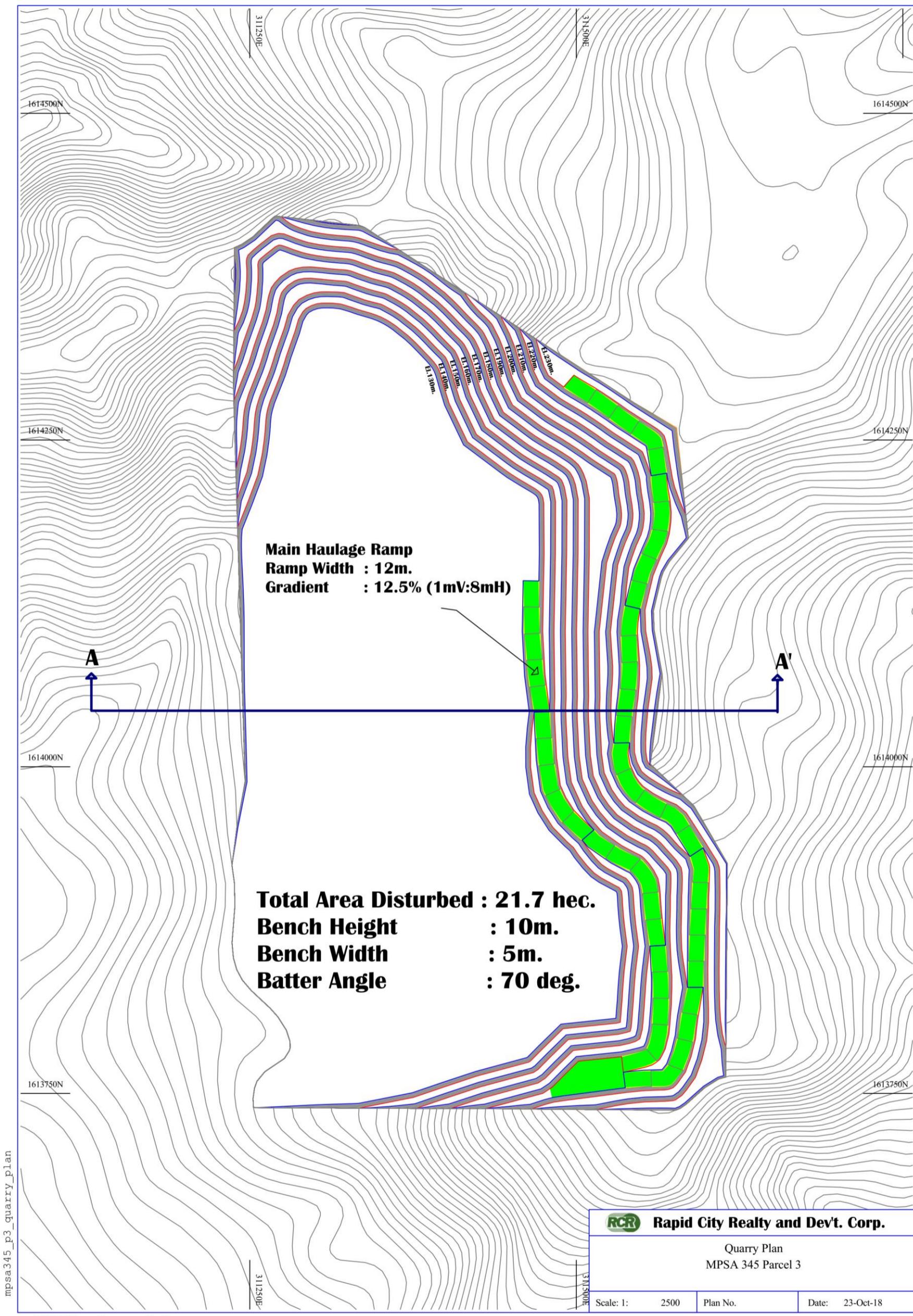
SURPAC - Gemcom Software

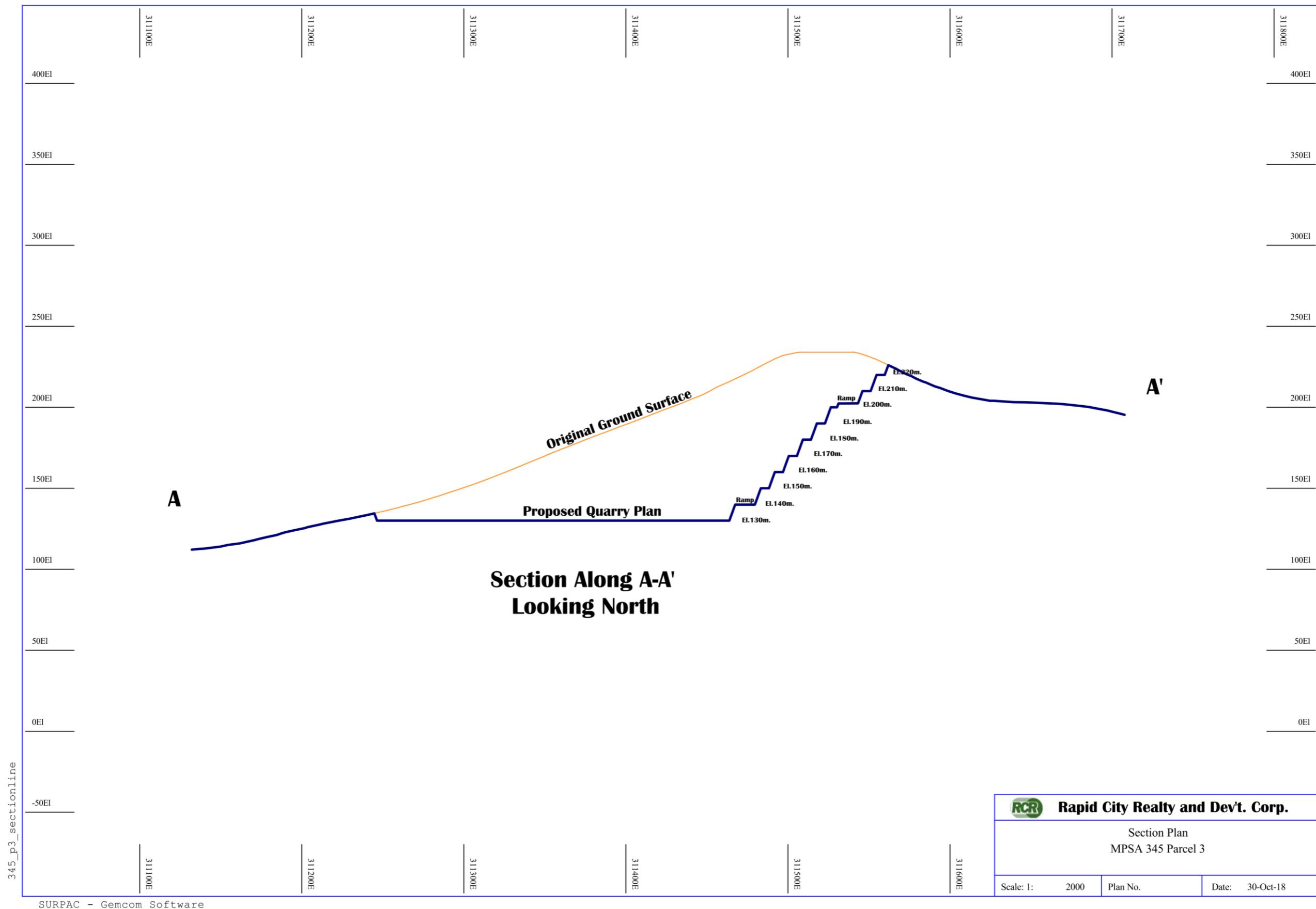


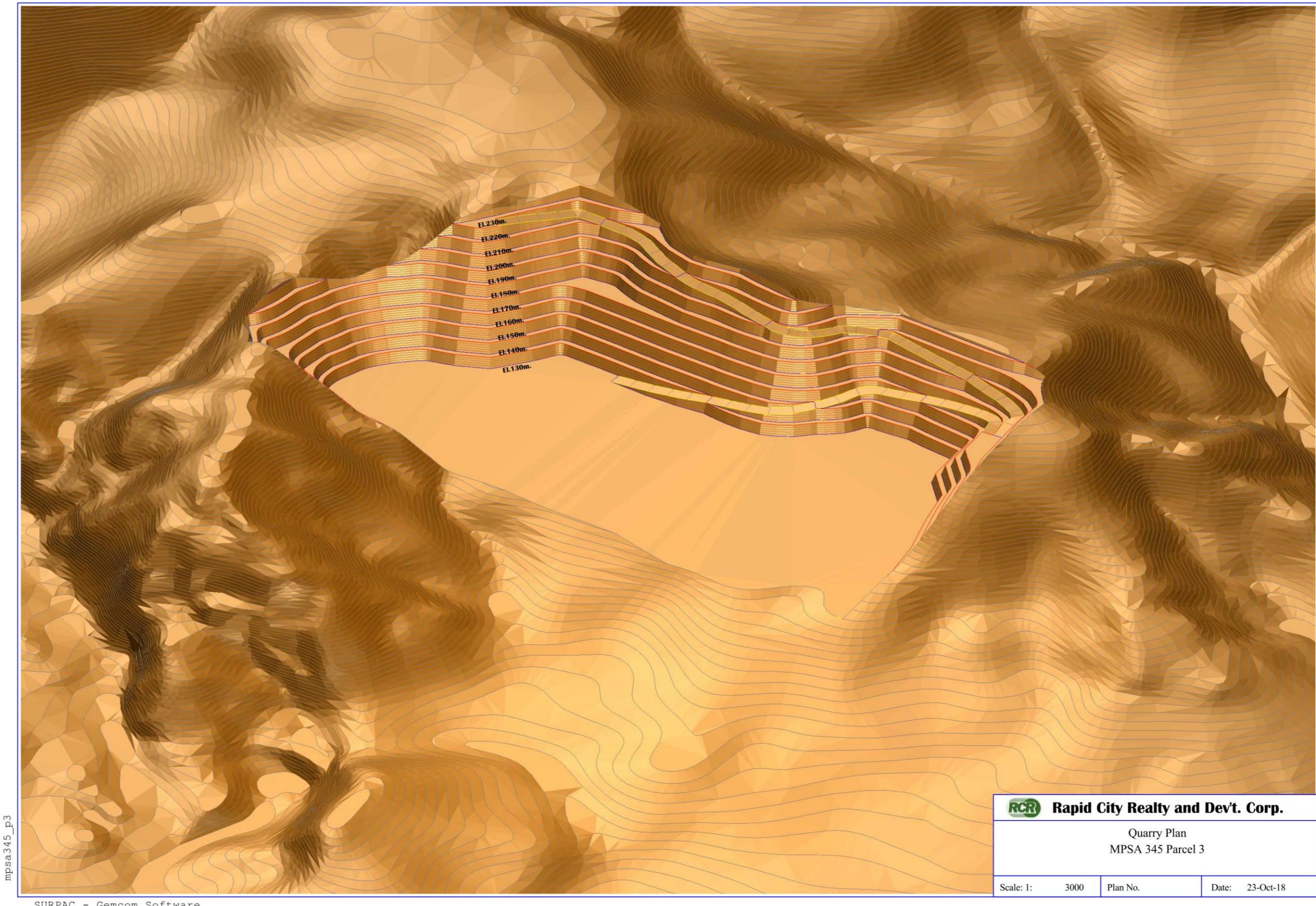
mrsa\_345\_parcel\_1

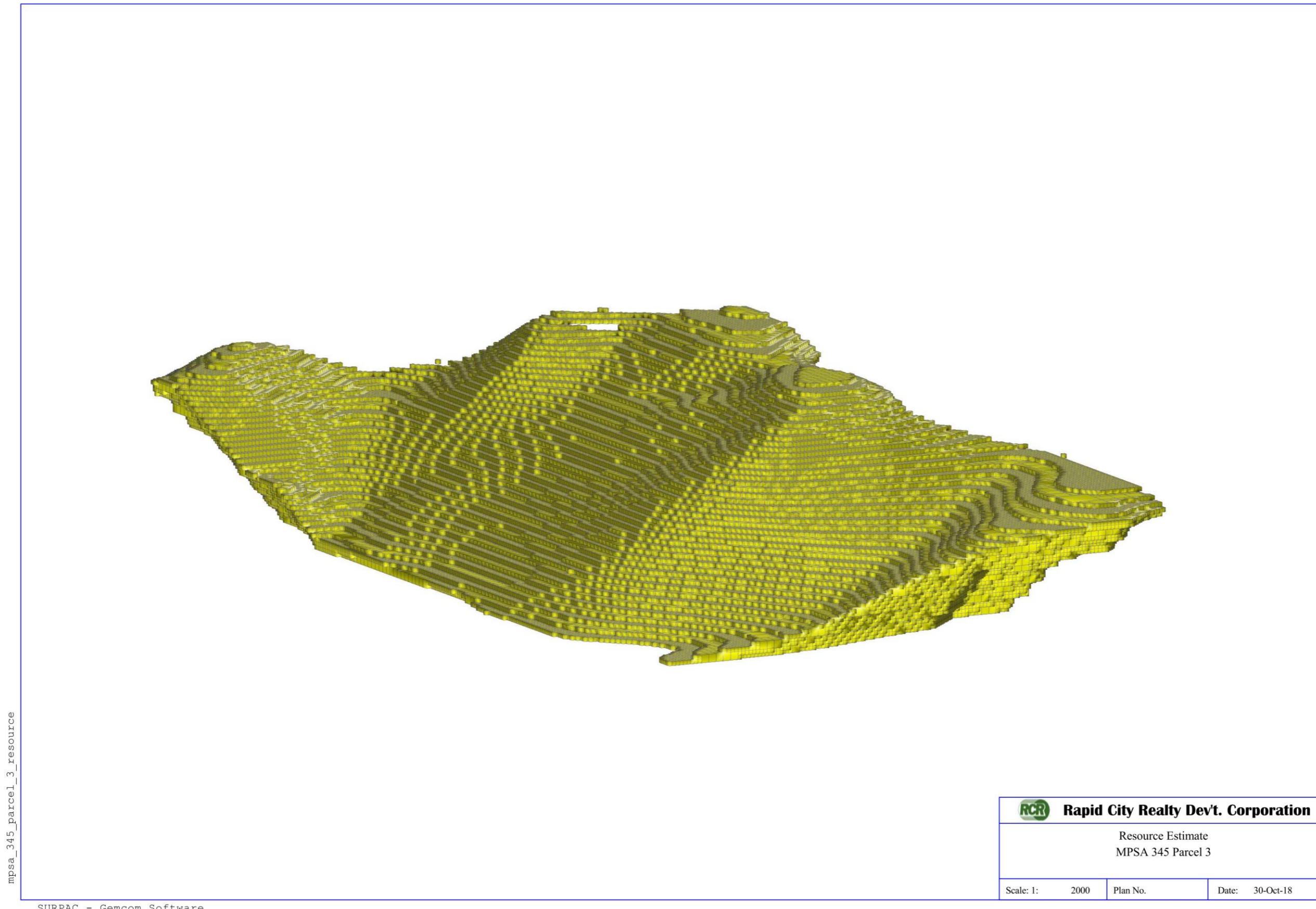
SURPAC - Gemcom Software

<b>RCR</b>	<b>Rapid City Realty Devt. Corporation</b>		
Resource Volume	MPSA 345 Parcel 1		
Scale: 1:	1500	Plan No.	Date: 30-Oct-18











## **Annex E – IEC Activity Report**

**RCRDC MPSA NO. 345-2010-IVA, AMENDED I PARCELS 1 AND III AREA C QUARRY PROJECT  
INFORMATION, EDUCATION and COMMUNICATION  
Barangay San Jose**

### **Participants**

In line with the proposed New Quarry Project of Rapid City Realty and Development Corporation in Sitio Sumilang, Brgy. San Jose, Antipolo City we have conducted an Information, Education and Communication (IEC) activity on February 22, 2019 and the said activity was held at PCUP RPG Ville, Ondoy Village, Barangay San Jose, Antipolo City.

A total of 91 participants attended the Information, Education and Communication (IEC) for the New Quarry Project, it consists of 63 women and 28 men. The program was attended by the Local Government Units, different sectoral community organizations and stakeholders.

### **Program Flow**

The activity started with a prayer from Barangay Secretary Mr. Marlon Algaba and opening remarks from Kagawad Paulo Garcia, followed by the discussion of EIA process by Engr. Paulo Noni Tidalgo and the presentation of the project presented by Engr. David Pagalilauan.

During the open forum, residents raised their concerns for the said project. Some of the issues raised were listed below. For the detailed discussion, attached is the transcription for the open forum – Annex 1.

<b>Issues</b>	<b>Name of Persons who raised the issue</b>	<b>Response</b>
Ilang hektarya po yung nasasaklaw sa area of responsibility ng Sitio Sumilang po?	Gennelyn Ajeda	<b>Engr. David Pagalilauan:</b> Bale ang total na masasakop ng operation dito sa Sumilang is yung 21 hectares, ito po yung, sa buong MPSA po na yun, 21 hectares lang ang iooperate dahil yun pa lang ang nakuha ng Rapid City sa surface property po niya
Yung mga bali –balita ngayon na lumalabas sa telebisyon, lahat halos ng mining meron	Respondent 1	<b>Engr. David Pagalilauan:</b> Maraming salamat po, una po, doon sa pangamba mo na may

Issues	Name of Persons who raised the issue	Response
destruction at hindi namin alam kung ang ilalim ba ng bahay namin ay butas na at baka natutulog kami, lalamunin na lang kami ng sinkhole. Pano po ba ninyo kami papangalagaan sa puntong iyon na wala namang pong kasiguraduhan, salamat po.		butas na yung ilalim ng bahay po ninyo, sinisugrado po namin na si Rapid City ang minimina lang po niya ay doon sa parting yun po at hindi po kami nagbubutas dito sa ilalim na to. Pangalawa, doon sa sinasabi pa na pangalagaan at paano kayo tulungan, nandito po ang aming ComRel sa pamumuno ni Sir Armando Rutaquio na siguro mas magandang pasyalan niya kayo at sa mga susunod na araw para malaman din niya kung ano ang mga agam agam ano ang pwedeng itulong o ano ang dapat gawin ng Rapid City para matanggal niyo ang mga agam-agam niyong iyon
Nabanggit ni Engr. kanina yung tungkol sa environmental protection so ibig sabihin yung sasakupan ng pagmimina pati yung sa kalupaan so ang tanong ko po Engr ano naman ang proteksyon ni Rapid patungkol sa pag start na ng mina sa air protection?	Respondent 3	Engr. Paulo Noni Tidalgo: Ang pwede po natin dyan is yung typical natin is yung spraying tapos pangalawa ang ano ho dyan is yung tamang pagkuquarry na hanggat maaari wag ka magtalop ng 20 hektaryang bukas wag ganun kasi hahanginin yan. Wala tayong magagawa dyan, so ang pinakamabisa ho naming magiging solusyon dyan, suggestion din po namin is yung tinatawag po naming progressive rehab kung baga bubuksan lang natin kasi hanggat may takip o ano yan

Issues	Name of Persons who raised the issue	Response
		<p>hindi yan magpproduce ng dust e so ika nga quarryhin Ing natin kung ano ang kailangan natin sa ngayon so yung ibang hindi pa, wag natin talupan tapos pagkatapos ma mined-out ng lugar na kinuarry po natin, automatic po yan pinaparehab na.</p> <p><b>Engr. David Pagalilauan:</b> Ah maliban po dun sa sinabi ni Engr. Paulo no, Kasama nga po doon sa pag-aaralan nila kung saan ang direksyon ng hangin sa ganitong panahon, sa ganito para sa ganun po yung paggawa din po namin sa quarry design namin, maisasama din po namin kung saan talaga yung direksyon nung hangin generally para hindi makaapekto sa mamamayan yung alikabok na manggagaling sa quarry, pangalawa po, isa po sa layunin nitong pag-aaral na ito, makakuha ng baseline kung ano nga ba talaga ang sitwasyon ng mga mamamayan dito para sa ganun kung meron mang magreklemo ng ganito ganito meron tayong mga baseline po kung saan nanggagaling po yun at isang programa ng gobyerno sa mga,</p>

Issues	Name of Persons who raised the issue	Response
		sa aming quarry operators at sa lahat ng mga minahan ay meron pong quarterly monitoring po yan na kasama po ang LGU at mga representative ng mga non-government organization na malapit sa operation para tingnan kung ano yung mga ginagawa ng operation during the quarter at magbigay ng kung ano man ang nakita nilang mali, maibigay nila yun sa amin
Hindi kaya po makakaapekto pag lumalim ng lumalim yung quarry talagang may posibilidad na bumagsak yung tagiliran maapektuhan po yung kanila na lupa at tsaka sa pagbblasting talaga bang walang maapektuhan , makakasira dun, isa pa po ang tubig kasi nung araw talagang sufficient po kami sa tubig sa bundok dun kami kumukuha ng tubig na pandilig pero ngayon habang lumalalim ang lumalalim naapektuha po ang tubig, nawawalang ng tubig sa bundok wala na din sa ilalim, kahit malalim na po yun, naabsorb sa ilalim, ano po kaya ang magandang gawin natin dun? Maraming salamat po sa inyo.	Peter Egisan	<b>Engr. David Pagalilauan:</b> Maraming salamat po tay at nasabi niyo po ngayon, kung kasama po sa pag-aaralan nila yung kung bakit nawawala yung tubig pero sa ngayon po doon sa present operation namin, ewan ko kung nakita niyo na po, gano po kaya kalalim ang nasasabi nyong malalim pero sa ngayon yung level namin halos kalevel nung kalsada dito at wala po kaming nakikitang tubig na naagaw namin dahil unang una walang tubig ang quarry naming, pero datapwat nasabi mo na rin po na ganun po yung problema nyo po doon sa lugar ninyo, isasama po ng Axceltechs sa pag aaral po yung gagawin po doon tapos yung sa concern

Issues	Name of Persons who raised the issue	Response
		ninyo sa blasting ginagawa naman po ng Rapid City operation na lahat nung mga kapitbahay niya tuwing pagnagblasting maliban doon sa vibration na reklamo ninyo, yung mga tatamaan ng bato ay sinisugrado nya na sasabihan niya yung mga malapit na mamamayan dun sa lugar para kung sakaling may lumipad man, kung sakali lang na may lumipad e hindi matamaan pero on the technical side dun sa side ng Rapid City habang nag ooperate kinoconsider nya po, habang nagkakarga ng mga materyales pang blasting, kinokonsider nya po yung lakas ng blasting na kuwan niya, sa pagpapaputok nya yung lakas para hindi po lumipad yung bato.
Dito po ba sa inyong gagawing quarry you have a plan to alternate route para hindi po dito dadaan yung trucks sa road natin, kasi po kung titingnan natin, ang kalsada po natin ay hindi sufficient na daanan ng malalaking truck especially during the time na marami tayong estudyante na naglalakad	Renz Dariso	Engr. David Pagalilauan: Thank you sir, thank you doon sa concern na pinaabot ninyo, we will consider yung rerouting, we'll consider that pag nagawa na namin ang study pero we will also consider na gawan ng mga tulad doon sa isang operation naming na tuwing labasan at pasukan ng mga estudyante walang truck kaming pinapalabas so yun yung titingnan namin but hindi

Issues	Name of Persons who raised the issue	Response
		naming tinatanggal yung suggestion niyo na possible rerouting nung areas kasi sa amin din mas gusto din namin na mas safer yung operation namin, so thank you very much.
Kaugnay po sa tubig, bale po kasi sa Sitio Sumilang halos lahat po ay umaasa sa yaman ng tubig diyan sa Sitio Sumilang , e yun po, di magiging malaki po ang epekto nito dun sa tubig, lalo na po kami, talagang umaasa po talaga kami doon sa produkto ng tubig sa Sumilang yan po yung ano. Ano po ang magiging ano nyo dun, ireresolbang proseso?	Respondent 4	<b>Engr. Paulo Noni Tidalgo:</b> Sa study po na gagawin namin, may isang component po dun na tinatawag naming resource competition actually, so tititingnan naming kung ilan yung dumadaloy na tubig, ilan yung deepwell sa area. So tititingnan namin kung yung operation nagcocompete dun sa resources ng community, pag nag compete yan kailangan ng mitigating measures ika nga po yung carrying capacity ba, kung ano yung kaya ng environment na matustusan ng mga pangangailangan ng stakeholders doon sa area dapat pong matingnan so pagnakita po yan doon sa study na may epekto dapat may kaukulang mitigating meausures na maimplement at ito ay isusubmit natin sa pamahalaan kung accepatable sa kanila iiyuhan nila kung hindi maaaring magrequire sila ng other mesures.

Issues	Name of Persons who raised the issue	Response
		<p><b>Engr. David Pagalilauan:</b> Isa pa po, idadagdag ko no, hindi lang po ang Sumilang Farmers ang nangangailangan din ng tubig, pati rin po si Rapid City kailangan na kailangan din niya yung tubig, kaya kailangan din niya gawan ng paraan kung pano niya ipreserve o iconserve yung tubig sa paligid din nya, hindi lang naman po si Rapid City nagmimina lang at walang ginagawang pagtatanim so kailangan din ni Rapid City ang tubig pagdating sa ginagawa nya at yung pagtanim na ginagawa nya sa palibot nya at kailangan nya rin yung tubig sa operation nya so hindi po dahil nag operate kami, wala kaming pakialam sa tubig, kailangan din namin ang tubig so parepareho tayo nangangailangan ng tubig sa lugar na ito para pareho tayo mag ka co-exist so yun nga po sinasabi ni Engr. Paulo isasama nya doon sa pag-aaral, ano ba talaga yung cause kung bakit tayo nawawalan ng tubig.</p>
Dun po sa Singalong, yun po talaga, nandun ang operation ng quarry maayos naman po sana sir, ang nagiging main	Elsie Santos	<p><b>Engr. David Pagalilauan:</b> Maraming salamat muli, sa inyong pagbabahagi ng inyong mga concern, unang una po</p>

Issues	Name of Persons who raised the issue	Response
problem lang po talaga ng mga residente doon ay yun pong masyadong gabok kasi nga po pag ka po ang mga bata, yung mga maliliit po namin dyan e inuubo, sinisipon, pag dinala po namin sa pediatrician ang sinasabi po, expose ba kayo sa alikabok, so yun po ang nagiging main answer tapos wala naman pong nebulizer lamang ang aming sitio, kaya ang mga residente po na may mga bata na maliliit pumupunta pa po sila kung saan-saan, sa doctors o kahit private o public, naghahanap po sila para yung mga bata e, magawan nila ng paraan and even din po yung mga matatanda na may problema rin po sila, halimbawa may dati na silang asthma lalo pa silang napprovok so yun po sana sir, ang hinihingi po namin ng tulong sa Rapid City na magawan po nila ng remedy.		mas maganda yung communication natin, Rapid City at tsaka kayo na apektado sa Singalong, muli po na sinasabi ko po andiyan si Mr. Rutaquio ang aming ComRel, siguro sir, magschedule na lang ng punta sa kanila para makita natin yung concern and secondly po, kung meron kayong immediate concern kailangan na kailangan magsabi na lang po kay Mang Doms, Mang Doms San Garbriel.
Ano po kaya ang magandang magagawa ng kompanya para po ma ano kasi ang lupa na, matagal na po diyan yan e, nasa gitna ng kalsada e, tapos wala naman pong kanal pag dinilig andun ang tubig sa gitna, natural putik pag yun naman po natuyo, alikabok po ang lumabas, araw-araw po	Baltazar Donoga	Engr. David Pagalilauan: Ah sige, salamat po tang at pinaabot nyo po, sa ngayon po, may ibang preperasyon ang Rapid City para pagandahin yang kalsada na yan at hindi lang po immediate yung mangayyari ngayon dahil inuumpisahan namin planuhin kung pano namin

Issues	Name of Persons who raised the issue	Response
yun , ganyan po ang nangyayari talaga, makikita nyo naman kahit dinilig, buntutan niyo yung dilig , putik po ang kinalalabasan, imbes po na kalsada po yan, sementado e, putik po e, yan lang po ang concern ko sa ganyan, sana maayos po		pagagandahin yang kalsada na yan, pero kanina po bago nung sinasabi nyo nga po yung lupa na yun, tinawag ko si Mang Dom kung ano ang gagawin niya ang sinasabi nya ay papaayos nya daw po bukas kung ano man ang lupa na yun.
Wala po akong question sa programa ng Rapid City, magkakaroon po ng trabaho ang mga tao, bibigyan ng serbisyo pangkalusugan, bibigyan ng kung anu-anong serbisyo, part yun ng pagiging apektado pero hanggang san po ito, halimbawa nag ooperation na po ang quarry andiyan pa po ang serbisyo nila pero pag nag end na po ang quarry o magtatayo po ng housing yan naman po ang dulo niyan diba? Kaya pano po yun? Hanggang saan ang serbisyo, hindi naman po panghabang buhay dito sa komunidad.	Respondent 6	<b>Engr. David Pagalilauan:</b> Isa sa layunin nga po, ito po yung isang pagbabago na ginawa sa mining act natin na yung sinasabi ni madam kanina na nasa Europe, nasa China, kung saan man ang inikot niya, kahit papano naadopt ng Pilipinas na sa ngayon nagsimula ang 7942 noong 1996 medyo naimplement ng 2000 at yung isang pagbabagong ginawa ay yung Social Development and Management Program na ang layunin po nun is parang palakasin ang mamamayan na kahit wala na po ang quarry, pagnatapos, self-sustaining siya kaya nga po yung sinasabi ni Mr. Rutaquio kanina na pag may planning workshop inaanyahan kayo para sa ganun po makita nyo, makita nung kompanya kung ano ang pagkukulang na dapat palakasin sa inyo para mabigay yung sapat na training o

Issues	Name of Persons who raised the issue	Response
		suporta na hindi nabibigay na outside na government national project po, yun yung magiging contribution ng mining companies o quarry companies doon sa host and neighboring community na gusto niya ay sabi ng mining act at yun ang pinapaimplement niya sa kompanya na pag umalis kayo diyan hindi magiging depende ang mamamayan sa inyo pwede silang mabuhay ng sarili nila dahil yun po yung nakita ng gobyerno na nangyayari nung nakaraang pagmimina na yun pa rin hanggang ngayon, hanggang ngayon e pinapakita pa rin ng mga hindi nakakakita doon sa gustong pagbabago na gagawin natin, so yun po, yung tanong niyo na hanggang kailan, kung hanggang kailan tayo matututo na kung kailan natin matutugunan ang pangangailangan habang nandiyan po ang kompanya.
Kami po ang mga residente na malalapit sa ikaquarry niyo na lugar so marami po kaming mga estudyante na pumapasok sa school, hindi po sila maapektuhan na during blasting operation during school hours ay magkakaroon ng blasting operation na yung	Respondent 8	<b>Engr. David Pagalilauan:</b> Yes ma'am, thank you at nasabi mo yung concern na yun, isasama naming doon sa program ng blasting na sisiguraduhin namin na pag nagblast kami walang klase either ilagay namin sa break o maglagay kami ng schedule ng

Issues	Name of Persons who raised the issue	Response
mga bata maririnig yung mga pagsabog na malakas, ano po ba ang magiging advantage o ano po ba ang impact sa mga kabataan na nag aaral tuwing may pasok?		blasting na yung hindi sa kasagsagan ng operation tuwing walang pasok lang ang blasting naming, yung isang quarry namin ang ginagawa naming tuwing sabado lang ang may blasting dahil walang pasok po yun.
Hindi na po ako magtatanong, maghihingi po ako o makikiusap kasi sa amin po marami pong apektado na mga bata sa hika wala po kaming nebulizer baka pwede niyong isingit doon lang kasi pag nagkakahika po ang bata dadalhin sa Antipolo, magkano ang pamahe baka pwede po dun ako makiusap sa inyo hindi po para sa akin para sa lahat po kalugar ko na apektado.	<b>Singalong Homeowner Association President</b>	<b>Armando Rutaquio:</b> Nito pong last quarter nagbigay ang Rapid City ng medicines at tsaka medical equipments in form po nitong nebulizer kaya mga November ata yun e, papuntahan na lang po ninyo ang inyong coordinator sa barangay at bibigyan kayo ng nebulizer, nagbigay na po kami sa barangay ng nebulizer, 60 yata yun, 60 pcs na nebulizer papuntahan niyo na lamang po sila kay Secretary Marlon.



## **ANNEX 1 – Barangay San Jose IEC Open Forum**

## OPEN FORUM

**Gennelyn Ajeda:** Bale po, una po yung tanong ko, kung ilang hektarya po yung nasasaklaw sa area of responsibility ng Sitio Sumilang po?

**Engr. David Pagalilauan:** Bale ang total na masasakop ng operation dito sa Sumilang is yung 21 hectares, ito po yung, sa buong MPSA po na yun, 21 hectares lang ang ioperate dahil yun pa lang yung nakuha ng Rapid City sa surface property po niya. Bale sa kabuuan ng MPSA, ito po yung buong MPSA, pero ito po lang ioperate ng Rapid City yung 21 hectares, yan po yung nakuha niyang surface property.

**Gennelyn Ajeda:** E di, e papaano naman po, kasi may paabot po na opinyon yung aming panig, bale po ano, dahil po kami ay nasa approve of coverage, meron po kaming coverage at ngayon po sa kasaluyukan ay for insurance na po kami ng COA ng Sumilang Farmers Association, hindi po kami pumapayag doon sa operasyon, paumanhin po yun po yung abot ng aming assosasyon. Maraming salamat po.

**Engr. Paulo Noni Tidalgo:** Ma'am para po sa study na gagawin namin, mas kung makahingi po kami kung ano ang coverage ng COA lalapit po kami sa inyo pag mag study na po kami, para masama natin doon po sa study pero kung may kopya po kayo mas maganda po.

**Gennelyn Ajeda:** Maari po na makapunta na lang po kayo sa DAR kasi po nakaano po kami sa DAR national.

**Engr. Paulo Noni Tidalgo:** Sige po, basically po ang study po ang gagawin namin is kabuuan including dun sa central. Ang permitting po kasi natin sa Pilipinas sa ating mga lupa, dalawa ang pwede maging permit, may tinatawag tayo na surface right owner itoy yung may titulo tayo, pero yung sa ilalim po kasi ng kalupaan, ito yung may another permit na iniisyu ang pamahalaan ito po yung mining rights, ang tawag po namin dito ay yung Mineral Production Sharing Agreement so, yung Pilipinas maliit na bansa pero napakaswerte natin sa minerales, kahit po saan tayo pumunta may mineral, pero ang tanong po kasi dyan kung supisyente po ba ang dami ng pagmimina po, may isyu sa environment, sa pagmimina, sa safety, sa health matugunan pag hindi, hindi pwede mag mina. Ganun po yung ano natin, so pagdating naman po dun sa mining dahil dalawa po ang aming surface right ano po, kung yung ang ating proyekto ay natapat po doon sa may surface right owners obligasyon po ng Rapid na kausapin, kung sino man ang nandun sa surface right na yun, bago sila makapasok dun sa area. Nasa batas po yun, maganda po na makita naming, so kung meron sa inyong yung portion na may right kayo dun mas maganda po na mabrought up natin para at least makita po namin.

**Gennelyn Ajeda:** Tanong ko lang po kung meron na kayong permit sa DENR?

**Engr. Paulo Noni Tidalgo:** Meron po, may MPSA na po sila, pasok po sila sa MPSA, MPSA po sa MGB po.

**Gennelyn Ajeda:** Hindi na lang po kami ng kopya.

**Engr. Paulo Noni Tidalgo:** Sige po, maganda po ang ano natin, at least makita natin kung ano ang magandang gawin, yun po yung parte ng trabaho namin as a independent sector ng activity na to.

**Agnes Diala:** Since nag ikot din po ako sa buong Sitio Sumilang regarding dito, yung feedback is negative regarding this orientation, so magtatanong lang po ako, since nagpapaputok po kasi ang quarry sa Singalong , affected po kasi yung mga houses ng Sitio Sumilang kahit malayo kami sa Singalong , nayayanig po yung lupa at the same time yung mga tv daw po nila yung feedback daw po nasisira, so ibabato ko din po sa corporation na alam din po nila ang feedback tungkol doon sa nangyayaring quarrying. Salamat po.

**Engr. David Pagalilauan:** Maraming salamat po doon sa feedback at icoconsider po namin yan during the blasting operation kasi so far mula ng nandito ako, 2 years ago, wala kaming natatanggap na reklamo galing Sumilang doon sa blasting operation, tinatanong nga din namin si Mang Dom pero ganun pa man, sige po icoconsider naming dahil nag coconduct kami ng mga sukat po diyan tuwing nagbblasting kami pero nagpasalamat pa din kami na naiparating po ninyo, hindi po kasi nakakarating sa amin po yun.

**Respondent 1:** Sir, susog lang sa sinasabi niya kay Agnes, ako po ay galing sa kooperatiba dito po, presidente po ako ng PCUP-RPG Ville sa totoo lang po, although doon kayo nagpapablast, ang mga bahay po namin nagcrack na po talaga ang mga gilid , so ang isa po naming alam nung bago kami irelocate dito kami ay flood prone area, kasi kami ang lalabas na catch basin na mga palibot na yan, ngayon po, once nag bblasting kayo minsan nagugulat kami kasi may pagyanig talaga sa amin, may after shock po talaga, although kami talaga ay malayo sa Cherry 4, doon sila, kami nandito, ako na malapit diyan sa creek, sa may ilog, pag kaano sabi ko sa anak ko anak,yung bahay mo bagong pagawa pero pag malakas ang ulan, may mga tulo po kasi may mga crack na po. So siguro hindi ko malaman at tsaka ayun dun sa sabi ng Red Cross noon, nung kami bago irelocate dito, ay tingnan namin kung marami ng crack sites sa aming area at medyo unhealthy. At isa pang nakakapagbigay, although hindi ako taga Cherry 4, yung mga bali –balita ngayon na lumalabas sa telebisyon, lahat halos ng mining meron destruction at hindi namin alam kung ang ilalim ba ng bahay namin ay butas na at baka natutulog kami, lalamuin na lang kami ng sinkhole. Pano po ba ninyo kami papangalagaan sa puntong iyon na wala namang pong kasiguraduhan, salamat po.

**Engr. David Pagalilauan:** Maraming salamat po, una po, doon sa pangamba mo na may butas na yung ilalim ng bahay po ninyo, sinisigurado po namin na si Rapid City ang minimina lang po niya ay doon sa parting yun po at hindi po kami nagbubutas dito sa ilalim na to. Pangalawa, doon sa sinasabi

pa na pangalagaan at paano kayo tulungan, nandito po ang aming ComRel sa pamumuno ni Sir Armando Rutaquio na siguro mas magandang pasyalan niya kayo at sa mga susunod na araw para malaman din niya kung ano ang mga agam agam ano ang pwedeng itulong o ano ang dapat gawin ng Rapid City para matanggal niyo ang mga agam-agam niyong iyon at si Ginoong Rutaquio sya po ang ating Community Relations Officer, hindi ko alam kung nakita niyo na siya nung mga nakaraang panahon, nung December lagi pong nandito yan, subalit, ito yung magandang nangyayari sa atin sa hapon na to, nakakakilala at nagkakaalam kung ano ang agam- agam at tsaka yung mga mungkahi yun po, Salamat po.

**Respondent 2:** Ako po ay nanggagaling sa mining for 15 years sa Marcopper Mining Corporation, Ang amin pong operation sa Marinduque so tumagal ang Marcopper mining ng almost 20 years operation ang ano dun, so isa din ako dun sa mga empleyado na kami po ang advance party ng mining na so sa akin pong pananawa kasi yung sinasabi na blasting, ginaganap lang sa open pit di ba? Pag underground kasi hindi naman e, so ang nangyayari dyan sa ano base sa aking kaalaman, sa Toledo City, nagkakaroon din po ng mga agam-agam ang mga mamamayan doon kasi nung iniwan nila, dapat pag iniwan ang operation dapat magkaroon ng tree planting, so ngayon, hindi ko makita sa operation niyo kasi adito lang kami sa baba, si Dom naman kilalala naman ako niyan, ngayon ang amin lang dito sa ano, merong reklamo sa blasting, pati nga yung cr ko e, sa layo ko, nagccrack yung tiles, hindi mo talaga maiwasan yun, akala naming diyan yung binubuhusan walang blasting kasi yung soil, so ang isa ko pang concern kung sakaling matuloy, aprubahan man ng DENR yung permit niyo, ang amin lang hindi ikabahala tulad ng nangyari sa Naga, kailan lang tsaka yung sa Mountain Province, so yun ang aking agam-agam sa aming mamamayan kung saka-sakali sympre kung pnprouduce yan dito tulad ng way back 1998, taas nagkaroon ng soil erosion, ano ang mga patakaran para hindi naman magkaroon ng soil erosion pag dating sa amin?

**Engr. David Pagalilauan:** Maraming salamat po sir dun sa inyong pinaabot na agam-agam, kasama po dun sa pag aaralan ng grupo at ng Rapid City rin kung saan at pano nya gagawin yung mga proseso ng pagmimina niya, at kung saan niya ilalagay kung meron man po siyang ibubulldozer, kung saan niya ilalagay ang mga lupa at sa ganun hindi masyadong apektado o hindi makakaapekto sa inyo, isa na sa pag aaralan ng mga consultants namin e ano yung geological setting kung saan ba yung may posibleng mag landslide, posibleng magkakaroon ng pag-iipon ng tubig during the operation so yun ang geologic hazard na isasama sa pag aaral po para doon sa bago mag operate.

**Engr. Paulo Noni Tidalgo:** Maganda po ang nabanggit niyo yung Marcopper na nagyari po nung 1996 actually po parang wag nating sabihin tragedy pero naging blessing din sa industry kasi right after po ng Marcopper naghigpit ang ating pamahalaan tungkol sa mining, so, yung batas po natin sa mining sa Pilipinas kung ibabangga po natin sa US, sa Canada, sa Australia mas mahigpit pa po actually, mas mahigpit pa po ang minahan dito sa Pilipinas compared sa ibang bansa. Unang una po ay bakit, una, dito po sa atin bago ka pa man makapagsimulang magbungkal o magmina, titingnan na ito ng mga siyantipiko ng gobyerno kung lets say yung iddrill mo ba ay tama o yung lets say yung

pag aaral sa bato kung dito mo ba siya ibubulldozer o dito sa kabilang tinitingnan na po ngayon yan para hindi na po maging ano, ika nga kung baga sa ano control natin kung ano ang ginagawa natin sa site kasi yan ang unang kinakatautan ng mga minero e, yung magmimina ka na hindi mo alam kung ano ang magiging reaksyon ng minimina mo yun ang magpapahamak sa ating lahat, yun yung magcacause ng slide, yan yung magcacause ng silt lets say dito sa daanan natin, so tinitigan yun, pangalawa, yung batas sa environment napakahigpit na, habang nag ooperate ang kompanya kailangan ng mag implement ng EPEP, tinatawag nating EPEP, Environmental Protection and Enhancement Program so itong programa na to, nakalagay dito lahat kung pano protektahan at actually kung paano maenhance pa ang ating kalikasan habang nagmimina, so ika nga win win lahat e, Socio, Envi, Safety pati Health acceptable yung proyekto tapos may proyekto ka pa sa Environment habang nag ooperate may another program ka naman pag nag sara ka, magsasara ngayon ang kompanya sa susunod na 10 taon may pondo na dyang nakalagay sa bangko para ayusin so, hindi nya pwedeng, yung bago yung Marcopper pag sara pwede ng umalis, ngayon po 10 taon so kung pagkatapos iquarry 10 taon kailangan ayusin na nila at yung pag aayos nila sa lugar, inaaprubahan po yan ng gobyerno, na oh pagkatapos minahin anong gusto mong gawin dito, tatanungan ng gobyerno pwede niyong gawin sa provision so pwede din pong aprubahan yan ng gobyerno at ang mga tumitingin din diyan mga siyantipiko na galing sa NIA, sa FMB so sa mga government agencies, yung mabibigat na ahensya at so far po may natapos na quarry actually ang Rapid dito sa may Inarawans, sa may tapat ng Inarawan yung subdivision po dyan, so pagkatapos nila quarryhin yun ang binalak nilang gawin so may mga ganun po na may mga instances, doon po sa malalaking minahan halimbawa sa mga metal mines, yung sa may mga open pit, pagkasa ibang bansa ngayon po mga resort actually mga world class resort so ika nga po, pagkatapos ng pagmimina ika nga meron pang yung mas sustainable na gamit yung lupa. So ang tingin kasi ng pamahalaan ang tingin din ng mining industries ang pagmimina temporary lamang so kailangan meron ka talagang Final land use, pagkatapos minahin, pagkakuha ng minerals kailangan talaga magagamit pa yung lugar so yun po ang minimum requirement ng ating pamahalaan pag dating sa environment, salamat po.

**Engr. David Pagalilauan:** Gusto lang po naming ipamahagi na hindi man naming matanggal sa isipan niyo na ang mining makapanira dahil yun naman ang nasabi o nalaman natin sa telebisyon pero hindi po lahat no, hindi po lahat at mas malaki po ang naitulong ng mining sa atin, tandaan po natin na itong mga inaapakan natin na semento galing sa mining, yung mga pinakamaliit na bagay na ginagamit natin galing sa mining, yung pinakamaliit na gamit na yun na pinagtatahi natin sa mga bahay natin, yung karayom galing po sa mining yan ang kailangan lang po natin ngayon, at ito ang naging programa ng gobyerno natin mula nung ginawa yung RA 7942 yung magiging responsible mining no? hindi tayo, ang pag uusap natin na to ay hindi ganito kaganda kasi pati itong mic na to yung mga ginamit dito ay galing sa mining, yung mga salamin natin, yung mga raw material nyan ay galing din sa mining po yan so yun yung kuwan namin, hindi namin matatanggal sa isip nyo, na makapanira ang mining pero lahat tayo, lahat tayong nandito gumagamit sa produkto ng mining so magandang hapon po muli.

**Respondent 3:** Magandang hapon po, ako po ay taga kooperatiba na nakatira sa PCUP RPG Ville, nabanggit ni Engr. kanina yung tungkol sa environmental protection so ibig sabihin yung sasakupan ng pagmimina pati yung sa kalupaan so ang tanong ko po Engr. ano naman ang proteksyon ni Rapid patungkol sa pag start na ng mina sa air protection kasi alam naman po natin lahat, binabalita sa radyo na may isang minahan na, ay nagkaroon ng problema sa hangin nagkaroon ng sakit sa balat yung mga community na sinasakupan at tsaka sa health ng mga nakatira, so in part of the community, nais ko pong itanong Engr. ano naman ang magiging proteksyon ni Rapid patungkol sa air, salamat po.

**Engr. Paulo Noni Tidalgo:** On the side ano po ano ang magagawa ng Rapid no, unang una po yung pag kuquarry natin, yung mga problema po kasi natin sa pagmimina lumalala po yan kung yung ating pagmimina ay hindi siyantipiko kunwari sa simpleng paghahambing lang po kunwari yung problema natin sa slope, may anggulo po kasi yung pag atake mo o pag quarry mo pag sa ganitong side mo inano, most likely pwedeng gumanon bumagsak, pero ditong side po kahit anong gawin mo napakastable po niyan, so yun po yung inaaral sa technical na aspeto, ang sa mga dust, ang pwede po natin dyan is yung typical natin is yung spraying tapos pangalawa ang ano ho dyan is yung tamang pagkuquarry na hanggat maaari wag ka magtalop ng 20 hektaryang bukas wag ganun kasi hahanginin yan. Wala tayong magagawa dyan, so ang pinakamabisa ho naming magiging solusyon dyan, suggestion din po namin is yung tinatawag po naming progressive rehab kung baga bubuksan lang natin kasi hanggat may takip o ano yan hindi yan magpproduce ng dust e so ika nga quarryhin Ing natin kung ano ang kailangan natin sa ngayon so yung ibang hindi pa, wag natin talupon tapos pagkatapos ma mined-out ng lugar na kinuarry po natin, automatic po yan pinaparehab na. Pinaparehab yan so pwedeng lagyan yan ng cocomat, pwedeng sprayan kung baga maayos na pagkuquarry ang sagot sa klase ng isyus na lumalabas sa ngayon iniimplement na po yan ang gagawin po ng Rapid dyan sa susunod na tatlong taon, kada tatlong taon sinusubmit po yan sa MGB at inaaprubahan ng MGB, tinitingnan nila yan taon taon, dati dati magstart ka bahala ka na, ngayon hindi na, so pag sinabi mo sa 3 year work program mo na sa July andito ako ganito kalaki ang space ko tinintingnan nila at yung galing sa ating pamahalaan talagang pumupunta, may dalang gps chinicheck talaga kung asan ka so yun ang pwede natin, ika ang solusyon sa ating mga agam-agam is maayos na pagkuquarry at pagmimina yun po ang pwede nating magawa.

**Engr. David Pagalilauan:** Ah maliban po dun sa sinabi ni Engr. Paulo no, Kasama nga po doon sa pag-aaralan nila kung saan ang direksyon ng hangin sa ganitong panahon, sa ganito para sa ganun po yung paggawa din po namin sa quarry design namin, maisasama din po namin kung saan talaga yung direksyon nung hangin generally para hindi makaapekto sa mamamayan yung alikabok na manggagaling sa quarry, pangalawa po, isa po sa layunin nitong pag-aaral na ito, makakuha ng baseline kung ano nga ba talaga ang sitwasyon ng mga mamamayan dito para sa ganun kung meron mang magreklamo ng ganito ganito meron tayong mga baseline po kung saan nanggagaling po yun at isang programa ng gobyerno sa mga, sa aming quarry operators at sa lahat ng mga minahan ay meron pong quarterly monitoring po yan na kasama po ang LGU at mga representative

ng mga non-government organization na malapit sa operation para tingnan kung ano yung mga ginagawa ng operation during the quarter at magbigay ng kung ano man yung nakita nilang mali, maibigay nila yun sa amin

**Peter Egisan:** Magandang hapon sa inyong lahat ako po si Peter Egisan, coordinator ng senior citizen ng apat na sitio Singalong, Abuyod, Sumilang at tsaka PCUP RPG Ville at tsaka pangulo ng Farmers Association sa sitio Singalong 30 years from 1989 up to now so meron ding nagsasabi sa akin sa member sa miyembro ko sa samahan kasi yung 48 hectares pinatituluhan po namin yun, at least yan po ay katabi ng Rapid so ang ano nila sa akin, ang sinasabi nila sa akin hindi kaya po makakaapekto pag lumalim ng lumalim yung quarry talagang may posibilidad na bumagsak yung tagiliran maaapektuhan po yung kanila na lupa at tsaka sa pagbblasting talaga bang walang maapektuhan , makakasira dun, isa pa po ang tubig kasi nung araw talagang sufficient po kami sa tubig sa bundok dun kami kumukuha ng tubig na pandilig pero ngayon habang lumalalim ang lumalalim naapektuhan po ang tubig, nawawalang ng tubig sa bundok wala na din sa ilalim, kahit malalim na po yun, naabsorb sa ilalim, ano po kaya ang magandang gawin natin dun? Maraming salamat po sa inyo.

**Engr. David Pagalilauan:** Maraming salamat po tay at nasabi niyo po ngayon, kung kasama po sa pag-aaralan nila yung kung bakit nawawala yung tubig pero sa ngayon po doon sa present operation namin, ewan ko kung nakita niyo na po, gano po kaya kalalim ang nasasabi nyong malalim pero sa ngayon yung level namin halos kalevel nung kalsada dito at wala po kaming nakikitang tubig na naagaw namin dahil unang una walang tubig ang quarry naming, pero datapwat nasabi mo na rin po na ganun po yung problema nyo po doon sa lugar ninyo, isasama po ng Axceltechs sa pag aaral po yung gagawin po doon tapos yung sa concern ninyo sa blasting ginagawa naman po ng Rapid City operation na lahat nung mga kapitbahay niya tuwing pagnagbblasting maliban doon sa vibration na reklamo ninyo, yung mga tatamaan ng bato ay sinisigurado nya na sasabihan niya yung mga malapit na mamamayan dun sa lugar para kung sakaling may lumipad man, kung sakali lang na may lumipade hindi matamaan pero on the technical side dun sa side ng Rapid City habang nag ooperate kinoconsider nya po, habang nagkakarga ng mga materyales pang blasting, kinokonsider nya po yung lakas ng blasting na kuwan niya, sa pagpapaputok nya yung lakas para hindi po lumipad yung bato.

**Renz Dariso:** Chairperson of PCUP RPG Ville, So one of the concern is sabi niyo ang area is from Singalong to Cherry 2, dito po ba sa inyong gagawing quarry you have a plan to alternate route para hindi po dito dadaan yung trucks sa road natin, kasi po kung tititingnan natin, ang kalsada po natin ay hindi sufficient na daanan ng malalaking truck especially during the time na marami tayong estudyante na naglalakad kahit po sa kasalukuyan na nangyayari especially doon po sa kanto ng Singalong, alam natin na napakahirap dumaan ng malalaking truck before ang truck lang na dumadaan is yung mga actually mga 10 wheeler ano, ngayon kasi mahahaba na masyado, masyado ng malalaki sila kung mapapansin natin yung kay Sir Egesan doon na kanto, ilang beses ng narepair yung kanto na yun kasi talagang alanganin po pag dumaan ang malalaking truck so likewise dyan sa may quarry dyan sa may taas ng hindi ko alam kung ano yan, meron silang private road na

dinadaanan patungo doon sa kanilang, yung parang gilingan na mismo so in our side kasi, since dito po dumadaan yung mga truck na malalaki so do you have any plan for alternate route na hindi sila dito magdaan or kung didiretso naman po kasi dun din naman kayo dumadaan di ba? Dun sa may, dun sa may the road, ride the road, since naayos na siya ngayon maganda yung ginawa nung contractor, makapal yung semento baka meron kayong plan na baguhin ninyo ang daanan di ba? Na ireroute natin, wag na dito sa daanan ng mga tao magdaan yung malalaking truck, doon na lang tayo magkaroon ng, kumbaga doon na lang sa crossing mismo dun na sya papasok para yung mga estudyante dito, kasi minsan nakakatakot e. doon sa mga bata po, syempre po yung mga bata po, bata yan kahit anong gawin natin kung ano man ang gawin natin hindi natin masisisi, minsan naglalaro sila biglang tatakbo e andyan yung truck buti kung suddenly yung stop ng truck is suddenly na agad, so yun po yung isa sa concern ng halos ng mga magulang na nandito, yung delikado sila pag nandoon sa kalsada, yun pong mining kasi sabi nga ni sir definitely malaking tulong sa economy natin, kaya lang yung safety of the people na nandito, yun po yung gusto din naming magkaroon ng assurance, in behalf kami na kami ay mga magulang , na yung mga anak naming pinapabayaan naming mapunta sa eskwelahan so maraming salamat po.

**Engr. David Pagalilauan:** Thank you sir, thank you doon sa concern na pinaabot ninyo, we will consider yung re-routing, we'll consider that pag nagawa na namin ang study pero we will also consider na gawan ng mga tulad doon sa isang operation naming na tuwing labasan at pasukan ng mga estudyante walang truck kaming pinapalabas so yun yung titingnan namin but hindi naming tinatanggal yung suggestion niyo na possible re-routing nung areas kasi sa amin din mas gusto din namin na mas safer yung operation namin, so thank you very much.

**Respondent 4:** Bale dugtong lang po doon sa tanong ni Tatay Peter, kaugnay po sa tubig, bale po kasi sa Sitio Sumilang halos lahat po ay umaasa sa yaman ng tubig diyan sa Sitio Sumilang , e yun po, di magiging malaki po ang epekto nito dun sa tubig, lalo na po kami, talagang umaasa po talaga kami doon sa produkto ng tubig sa Sumilang yan po yung ano. Ano po ang magiging ano nyo dun, ireresolbang proseso?

**Engr. Paulo Noni Tidalgo:** Sa study po na gagawin namin, may isang component po dun na tinatawag naming resource competition actually, so titingnan naming kung ilan yung dumadaloy na tubig, ilan yung deepwell sa area. So titingnan namin kung yung operation nagcocompete dun sa resources ng community, pag nag compete yan kailangan ng mitigating measures ika nga po yung carrying capacity ba, kung ano yung kaya ng environment na matustusan ng mga pangangailangan ng stakeholders doon sa area dapat pong matingnan so pagnakita po yan doon sa study na may epekto dapat may kaukulang mitigating measures na maiimplement at ito ay isusubmit natin sa pamahalaan kung accepatable sa kanila iisyuhan nila kung hindi maaaring magrequire sila ng other mesures. Dapat, kung baga sa ano, para naman hindi maapektuhan ang paggamit ng tubig ng komuidad so kasama po yun dun sa aaralin natin.

**Engr. David Pagalilauan:** Isa pa po, idadagdag ko no, hindi lang po ang Sumilang Farmers ang nangangailangan din ng tubig, pati rin po si Rapid City kailangan na kailangan din niya yung tubig, kaya kailangan din niya gawan ng paraan kung pano niya ipreserve o iconserve yung tubig sa paligid din nya, hindi lang naman po si Rapid City nagmimina lang at walang ginagawang pagtatanim so kailangan din ni Rapid City ang tubig pagdating sa ginagawa nya at yung pagtanim na ginagawa nya sa palibot nya at kailangan nya rin yung tubig sa operation nya so hindi po dahil nag operate kami, wala kaming pakialam sa tubig, kailangan din namin ang tubig so pare-pareho tayo nangangailangan ng tubig sa lugar na ito para pareho tayo mag ka co-exist so yun nga po sinasabi ni Engr. Paulo isasama nya doon sa pag-aaral, ano ba talaga yung cause kung bakit tayo nawawalan ng tubig.

**Respondent 5:** Sir susug lang patungkol sa tubig noong una kaming dumating dito 2010 ang sapa na yan dyan, dyan kami nabubuhay, naglalaba, naliligo kasi ang sabi sa amin ng Red Cross ang tubig namin ay pang hugs-hugas lang hindi pwedeng gamitin ng ganun at may tubig kami na kinukunan para pang luto pero nabubuhay halos kami sa sapa at mayaman pa po ang sapa na yan dyan, sa ngayon po sir meron kaming Co-op garden na umaasa kami noon diyan sa ngayon po in early stage, wala na pong dumadaloy na tubig, natuyot, hindi ko po sinasabi na kayo ang dahilan pero sa pag kuquarry niyo na naubos yung mga puno sa bundok isa po kasi sa reserves ang mga puno e, sila ang nakakatulong na pinadadaloy ng malinis at maayos ang tubig so di po ba nakakasira rin tayo ng ecological system natin, kaya tumitindi na po talaga, nung una nga ang sarap sarap ng klima dito kasi ako galing ng Makati, ang sarap ng klima dito, love na love ko kasi ang lamig para na rin akong nakatira ng Little Baguio pero ngayon ay grabe na ang init sa totoo lang, yun lang po.

**Engr. Paulo Noni Tidalgo:** Salamat po, patingnan po natin dun sa mga ano po, anyway yung mga experts na pupunta dito ano po yun experts sa lupa, pati po experts sa insekto actually meron, experts ng insekto, ng puno, ng tubig, ng bato, so may socio expert din tayo so yun ang magtititingin, kaya ini-encourage po namin kayo kung ano ang gusto niyong isama na related dun sa project isama natin, patingnan natin kasi ika nga yung output ng study hindi lang para sa Rapid, magagamit din ng community, malalaman natin, pati nga geohazard expert magtititingin din para at least ma identify natin kung ano ang mga hazardous dito sa area, magamit din po ng komunidad sa planning. So kung baga sa study na to lahat po talaga tayo makikinabang, so ika nga gamitin natin siya sa mga dapat magamit ang resulta ng study.

**Singalong Homeowner Association President:** Magandang hapon po, pangalawang beses na po yata natin itong meet-up, ako po taga Singalong po ako, bata pa andito na ako e, siguro mga 7 years old, ngayon malapit na ako mag 50 andito pa rin ako, kaya kitang-kita ko yung pagbabago, yung sabi niyo po kanina na napakahigpit ng Pilipinas pag dating sa mining ano po, I think I travelled a lot more than 20 countries, China medyo nagbago na po, medyo mahigpit inistop na nila to e, sa Europe, part of Europe po, isang parte ng Europe na kapag po nag sisira sila ng daan lagi po, nilang iniisip kahit hayop po, meron po yang tulay na ginagawa sila para lang po sa insekto, ganun po nila kamahal ang kahit na maliit na hayop, kahit maliit na insekto, sa atin ayaw ko pong icompare pero medyo masakit

man isipin, iba pa rin ang kalakaran ng ano sa atin, ng pamamalakad ng gobyerno, ang layo, ang layo po, masakit, kasi ako naiinggit ako e, sa totoo lang well traveler, naikot ko halos ang mundo, yung lugar ko dito na kinalakihan na walang pagbabago tapos hanggang ngayon yung smoke, yung alikabok sa amin po may mga bata pa diyan, dito na kasabay ko halos lumaki kung kailan tumanda at tsaka nagkahika yan po ang isa sa dahilan yun pong alikabok, na yun sana po ay hinihiling naming, by the way, hindi na po ako nagpakilala, ako po ang Presidente ng Homeowner Association ng Singalong, nung last time po may sinabi sila, nagconduct din daw po kayo ng survey, Im not sure kung kayo po o DENR. Sa simbahan daw po ginawa, until now, wala daw pong nakakarating na, kung ano ang sagot dun sa survey, sa nilagay nilang , sa mga sinulat nila kung ano ang dapat, kung ano ang magiging solusyon , kung ano ang problema ng Sitio, for example po sa Sitio Singalong, kami po sa lahat ng mga sitios, Sumilang, Abuyod tsaka dito po kami ang pinakaapektado ano po, sa totoo lang, pero parang kami po ang, parang kami po ang mukhang kawawa, wag naman sana, and then for example yung kalsada po, yung kalsada po na yan, ngayon po, tag araw san po ako nakakita ng tag araw na ang estudyante ay basang basa ang sapatos dahil yung way po ng pagbabasa ng tubig ay medyo hindi tama, yun pong ano, parang binuhos po ng ganun, awang awa ako sa estudyante pag nasa kanto ako, papasok sa Quezon City o kung saan tapos ang sapatos, putikan, sana naman medyo ayusin lang kundi, hindi ko naman kayo ang sinisisi siguro may kunting pagkukulang ang nagdidilig tsaka yung kanto, laging cause ng aksidente, yung kanto pong yan kay Mr. Egisan sana po sana, matulungan nyo kami na malagan ng accident prone area, please slow down at least kahit malayo pa kasi po yung maliliit po na bato yan po ang nagging cause ng aksidente lalo na yung mga nakamotor, mabuti sana po kung tulad ko, pag alam kung pakurbada ako, mabagal ako magmaneho , pero ang dami na pong naaksidente dyan. Kami po ang nag usap usap kung ano ang dapat naming puksain sainyo dahil kami po ang apektadong Sitio sa lahat po to, kami po ang pinakaapektado, siguro isang sagot na lang po diyan, hindi na po ako magtatanong, para hindi po kayo mahirapan.

**Elsie Santos:** Magandang hapon po, ako nga po pala ang Assistant Secretary, siya po ang President , gusto ko lang po medyo, additional lang po sa kinuwesiyon nya sir kasi nga po, dun po sa Singalong, yun po talaga, nandun ang operation ng quarry maayos naman po sana sir, ang nagging main problem lang po talaga ng mga residente doon ay yun pong masyadong gabok kasi nga po pag ka po ang mga bata, yung mga maliliit po namin dyan e inuubo, sinisipon, pag dinala po namin sa pediatrician ang sinasabi po, expose ba kayo sa alikabok, so yun po ang nagging main answer tapos wala naman pong nebulizer lamang ang aming sitio, kaya ang mga residente po na may mga bata na maliliit pumupunta pa po sila kung saan-saan, sa doctors o kahit private o public, naghahanap po sila para yung mga bata e, magawan nila ng paraan and even din po yung mga matatanda na may problema rin po sila, halimbawa may dati na silang asthma lalo pa silang napprovok so yun po sana sir, ang hinihingi po namin ng tulong sa Rapid City na magawan po nila ng remedy. Maraming Salamat po.

**Engr. David Pagalilauan:** Maraming salamat muli, sa inyong pagbabahagi ng inyong mga concern, unang una po mas maganda yung communication natin, Rapid City at tsaka kayo na apektado sa

Singalong, muli po na sinasabi ko po andian si Mr. Rutaquio ang aming ComRel, siguro sir, magschedule na lang ng punta sa kanila para makita natin yung concern and secondly po, kung meron kayong immediate concern kailangan na kailangan magsabi na lang po kay Mang Doms, Mang Doms San Garbriel.

**Singalong Homeowner Association President:** So nagpadala po kami ng sulat sa Rapid, tungkol po lahat po sana ng problema inopen na namin, wala pong nangyari.

**Engr. David Pagalilauan:** Sige ipaparating natin.

**Armando Rutaquio:** Ako po ang community relation officer ng Rapid City at ikinalulungkot ko po na hindi nakarating sa amin, kung dumating sa amin sa Rapid City, hindi pwede na hindi kami pupunta para malaman namin ang inyong hinaing sa katunayan po tuwing matatapos ang taon, sa tulong po ng MGB ng Mines and Geoscience Bureau, kami po ay nagsasagawa ng planning workshop na nandoon ang barangay councils, mga stakeholders at kung saan aming kinukuha o inaalam kung ano ang mga kagustuhan ng mga stakeholders na maiprograma sa susunod na taon kaya po itong 2019 ngayon ay tapos na po ang aming mga programa sapagkat kami po ay nagsagawa ng planning workshop at approve narin sa regional ang activities na gagawin natin po ngayong 2019 kaya kung mayroon kayong concern sa ngayon ay siguro po ay ating sa 2020 na yan. Kasi approve na po ang ating programa ngayong 2019 at yan ay aming pinapasunod, yan po ang ating gagawin at natatandaan ko po na itong sa 2019 na ito ay malaki po ang ayuda na ibibigay sa inyo ng Rapid City siguro po kung hindi ako nagkakamali ay kulang kulang na 600,000 pesos at aabot pa po yan ng kulang kulang na 1 million kung isasama pa yung mga ibang tulong na ibinibigay ng Rapid City bukod dito sa talagang SDMP yung Social Development and Management Program kasi ito pong SDMP ito po ay mandatory na 1.5% ng annual operating cost ng Rapid City ay ininilaan talaga para sa komunidad para sa development ng community bukod pa po doon yung IEC at tsaka yung mga tulong na ibinibigay ng Rapid City sa development ng mining technology so, ibigay nyo na lang po ninyo sa akin yung mga kahilingan niyo kundi kaya pagdating ng planning workshop ay makasama namin kayo kasi po ang nagbibigay po ng sa mga tao ng mga anunsyo o request na umattend sa planning workshop ay ang atin pong barangay, ang ating secretary katulad po ngayon nandito po kayong lahat, kayo po ay inimbitahan ng ating secretary, ni secretary Marlon Algaba so yun po ang masasabi ko tungkol sa mga hinaing ninyo.

**Singalong Homeowner Association President:** Ano po yung 600 to 1 million? Sharing po yan ng mga sitio o, kasi baka swertehin kami may makarating sa amin.

**Armando Rutaquio:** Yun pong sinasabi ko sa inyo ay pangakalahatan, yan po tungkol sa health, sa inprastruktura , tungkol sa edukasyon, lalong lalo na sa health, meron po tayong sinasabi na mga credited activities na pwedeng gawin ng Rapid City para po sa Social Development and Management Program pag ang gusto po ninyo ay labas po sa gusto ng DENR na mga programa e hindi po namin

isasagawa kasi po kami ay sumusunod din sa batas ng DENR. Kayo po'y aming iimbitahan sa susunod na planning workshop hindi ko malilimutan sapagkat yung 50 persons pagkatingin ko ay 40 years old la ang.

**Baltazar Donoga:** Salamat po, ako po si Baltazar Donoga, senior citizen ng Singalong Coordinator, ang sa akin lang po meron lang po akong hihilingin, yung sa kanto po sir, yung pagpasok papunta sa rough road kasi matagal na pong nakastock dyan yung mga lupa na nalaglag galing sa gulong ng mga truck nasa gitna po ng kalsada, yun po ang cause nung putik at tsaka nung alikabok pag yun po ay dinilig putik po ang kalalabasa, pag natuyo po yan, alikabok po ang kinalalabasan. Ano po kaya ang magandang magagawa ng kompanya para po ma ano kasi ang lupa na, matagal na po diyan yan e, nasa gitna ng kalsada e, tapos wala naman pong kanal pag dinilig andun ang tubig sa gitna, natural putik pag yun naman po natuyo, alikabok po ang lumabas, araw-araw po yun , ganyan po ang nangyayari talaga, makikita nyo naman kahit dinilig, buntutan niyo yung dilig , putik po ang kinalalabasan, imbes po na kalsada po yan, sementado e, putik po e, yan lang po ang concern ko sa ganyan, sana maayos po. Maraming Salamat po.

**Engr. David Pagalilauan:** Ah sige, salamat po tang at pinaabot nyo po, sa ngayon po, may ibang preperasyon ang Rapid City para pagandahin yang kalsada na yan at hindi lang po immediate yung mangayayari ngayon dahil inuumpisahan namin planuhin kung pano namin pagagandahin yang kalsada na yan, pero kanina po bago nung sinasabi nyo nga po yung lupa na yun, tinawag ko si Mang Dom kung ano ang gagawin niya ang sinasabi nya ay papaayos nya daw po bukas kung ano man ang lupa na yun.

**Respondent 6:** Wala po akong question sa programa ng Rapid City, magkakaroon po ng trabaho ang mga tao, bibigyan ng serbisyo pangkalusugan, bibigyan ng kung anu-anong serbisyo, part yun ng pagging apektado pero hanggang san po ito, halimbawa nag ooperation na po ang quarry andiyan pa po ang serbisyo nila pero pag end na po ang quarry o magtatayo po ng housing yan naman po ang dulo niyan diba? Kaya pano po yun? Hanggang saan ang serbisyo, hindi naman po panghabang buhay dito sa komunidad.

**Engr. David Pagalilauan:** Isa sa layunin nga po, ito po yung isang pagbabago na ginawa sa mining act natin na yung sinasabi ni madam kanina na nasa Eurpose, nasa China, kung saan man ang inikot niya, kahit papano naadopt ng Pilipinas na sa ngayon nagsimula ang 7942 noong 1996 medyo naimplement ng 2000 at yung isang pagbabagong ginawa ay yung Social Development and Management Program na ang layunin po nun is parang palakasin ang mamamayan na kahit wala na po ang quarry, pagnatapos, self-sustaining siya kaya nga po yung sinasabi ni Mr. Rutaquio kanina na pag may planning workshop inaanyahan kayo para sa ganun po makita nyo, makita nung kompanya kung ano ang pagkukulang na dapat palakasin sa inyo para mabigay yung sapat na training o suporta na hindi nabibigay na outside na government national project po, yun yung magiging contribution ng mining companies o quarry companies doon sa host and neighboring

community na gusto niya ay sabi ng mining act at yun ang pinapaimplement niya sa kompanya na pag umalis kayo diyan hindi magiging depende ang mamamayan sa inyo pwede silang mabuhay ng sarili nila dahil yun po yung nakita ng gobyerno na nangyayari nung nakaraang pagmimina na yun pa rin hanggang ngayon, hanggang ngayon e pinapakita pa rin ng mga hindi nakakakita doon sa gustong pagbabago na gagawin natin, so yun po, yung tanong niyo na hanggang kailan, kung hanggang kailan tayo matututo na kung kailan natin matutugunan ang pangangailangan habang nandiyan po ang kompanya. Salamat po.

**Respondent 7:** Sir napakaganda ng tinuturan ninyo, pero napapansin ko, ito yung pangalawang public hearing, yung una sa Rubina, pagkaming mga tao kailangan niyo na para maaprubahan ang inyong proyekto lalapit kayo sa amin pero what is the follow up, ang tanong ko na hinahanap namin ay oo may binigay kayo sa barangay ang alam naman natin ang barangay San Jose ay napakaraming barangays na ang mga purok purok ngayon ang gusto lang sana parang suhestyon na rin, gawan po ninyo ng napakainamn na proyekto o magandang proyekto na hindi lang gusto niyo mag paapprove ng programa o proyekto sa inyo o para sabihin na nating tulungan kami may follow up na kahit every month o once every 3 months, magawa niyo kaming bisitahin kung ano na ba ang nangyari sa amin, ano na ba ang nangyari sa proyekto naming, naiparating na ba namin sa inyo ang aming mga sagot kasi hindi ko po yun nararamdamen, sa totoo lang po. Salamat po.

**Engr. David Pagalilauan:** Maraming salamat ma'am sa observation niyo, isa po yan sa mga , kaya nga po yung, kaya nga po pinapakilala ko sa inyo ang aming community relations officer dahil through him at dahil sa kanya mapaparating at siya lagi ang makakasalamuha ninyo para dun sa follow up na po na yun. So yun lang po ang pakiusap namin na kung meron kayong kailangan na iparating sa amin, iparating niyo na agad, andiyan po si Mang Dom andiyan si Mr. Rutaquio ang community relations officer namin para siya po yung directly na makikipagcommunicate sa inyo para doon sa follow up.

**Respondent 7:** Ang gusto ko lang sana ipabatid, oo may mga community relation officer kayo pero dadaan pa sa ganun, since nagawa nyo na yung proyekto, yung follow up ninyo yung pag-aaral ba dugtong dugtong lan yun, o ito ngayon,nagawa na natin sige nga bisitahin natin kung ano na ang nangyari doon sa ating dinaanan, ano na ang progresibo na binigay natin sa kanila para lalo namin kayong mahalin, yung pagmamahal lang po, respeto lang po pare ko.

**Engr. David Pagalilauan:** Marami pong salamat ma'am, we will consider those suggestion at titingnan po natin.

**Engr. Paulo Noni Tidalgo:** Una po yung sa activity po natin ngayon no, asahan niyo po babalik po kami para doon sa public hearing para dito, ippresent namin ang aming resulta nung aming pag-aaral at para makita , mabahagi din sa inyo,pangalawa po yung report na isusubmit namin magiging public document po yun, pagkaalam ko magbibigay ang EMB ng kopya, officially through permission ng

Rapid irerelease din po namin sa inyo tapos pangalawa din po doon sa programa natin, doon po sa SDMP, quarterly po minomonitor po yun, titingnan ang progress nung napag usapan. Yung mga programang hinihiling kanina pag sana po, maging active din kayo sa pagconduct ng workshop ba kasi yung SDMP natin hindi ho yan kung saan saan hinuhugot po, base po yan sa gusto iparating, parang ganito po kasi ang dating niyan, sa isang minahan meron po kasing 1.5% na naka allot ng kanyang operating cost so may pondo po tayo dito, yung mga SDMP programs so andito po yung promotion healt,promotion ng livelihood may scholarship may kung anu-anong pwede pumasok doon sa budget na 1.5 so ito pong mga programa na galing dito sa, na kailangan aprubahan o pondohan nitong 1.5 na to manggagaling po sa inyo yun, sa suggestion niyo kaya nagkakaroon ng workshop, nagkakaroon ng prioritization syempre ok sana kung bilyon bilyon ang pondo pwede lahat pero ang mangyayari magkakaroon po ng prioritization kasi kunwari for this year ito lang yung 1.5 so ipprioritize, so ang maganda diyan ipaalam natin sa ating mga representatives doon sa workshop or mag set tayo ng o gusto namin sumama,ito ang gusto namin, mag request tayo sa LGU kasi may sistema may organization tayo na nageset niyan so makiusap tayo sa ating mga leaders kung pwedeng ikaw ang makasama doon sa programa then ipaparating na lang nila, then another po pwedeng iparating kay ComRel at masabi na ito at pagdating ng workshop pwedeng iworkout para mapondohan ika nga e, kung ano ang programa na maimplement sa SDMP programa niyo at least may ownership at least matututukan niyo, ang ano diyan, yun yung aspeto na pag tatrabahuan ng community together with the project pero maliban diyan titingnan yan ng MGB kung maimplement ito o hindi kung sinabi natin sa programa na kailangan maimplement ito sa taon na ito, pag hindi naimplement penalty po sila sa MGB, so ika nga yung mechanism , yung mga option natin na pwede nating magamit o maayos para matulungan tayo ng proyekto ay gamitin natin, so ika nga lets make use of the current system ba para dun sa ikakaunlad ng lahat. Maraming Salamat po.

**Respondent 8:** Good afternoon sir, kami po ang mga residente na malalapit sa ikaquarry niyo na lugar so marami po kaming mga estudyante na pumapasok sa school, hindi po sila maapektuhan na during blasting operation during school hours ay magkakaroon ng blasting operation na yung mga bata maririnig yung mga pagsabog na malakas, ano po ba ang magiging advantage o ano po ba ang impact sa mga kabataan na nag aarial tuwing may pasok?

**Engr. David Pagalilauan:** Yes ma'am, thank you at nasabi mo yung concern na yun, isasama naming doon sa program ng blasting na sisiguraduhin namin na pag nagblast kami walang klase either ilagay namin sa break o maglagay kami ng schedule ng blasting na yung hindi sa kasagsagan ng operation tuwing walang pasok lang ang blasting naming, yung isang quarry namin ang ginagawa naming tuwing sabado lang ang may blasting dahil walang pasok po yun.

**Respondent 8:** Sir kailangan mag paalam kayo. Kasi po baka magkalaglagan.

**Engr. David Pagalilauan:** Noted po.

**Respondent 2:** Di ba ,meron pong protocol ang blasting time kasi sa amin sa Marcopper noon dahil kabundukan yun alas 3 ng hapon pero sa tingin ko dito sa survey nagbblasting sila ata mga 4 o 5 saka itong tapat kasi sa ganun na oras wala ngang maapektuhan na mga bata nag aaral at nasa bahay na yng iba. Yun lamang sir.

**Engr. David Pagalilauan:** Sa ngayon po may protocol din po kaming sinusunod din po, icoconsider din namin yung kung ano ang suggestions niyo ngayon para iadjust din namin ang mga protocols namin.

**Respondent 9:** Sir may concern lang po ako, kasi yung tv namin pagnagbblasting kayo medyo talaga nag blurred yung tv ko pano yun, dapat meron po kayong ano dun para mapalitan. Sir kasi ganito po kasi sir sa baba lang po kami ng quarry ngayon pag halimbawa nagpapasabog kayo hindi namin alam kung ano ang una naming hahawakan yung tv ba o yung ano, dahil sa lakas po ng ganun tapos yung mga bata syempre pag biglang ano yumayanig ang bahay mama ano yun lindol ay hidni nagpapasabog yung quarry, sana naman po magsabi ng ganitong araw magpapasok, ganitong oras, para yung mga bata maanuhan din namin, kasi sa totoo lang talaga po marami na po sa tv namin ang nasira lahat kami ng kapitbahay ko.

**Engr. David Pagalilauan:** Sige po ma'am, isasama po naming yan sa program, Mang Dom, Siguro isama mo na warningan sila tuwing may blasting tayo mukhang hindi tayo nakakapunta, so anyway sige po icoconsider namin ma'am, yung kasagutan dun sat v sa ngayon hindi ko pa masasagot, anyway yung solution , yung suggestion na ibinigay nyo, icoconsider po namin, pag uusapan naming nila mang Dom, sisiguraduhin naming, iikotan naming kayo pag magbblasting.

**Respondent 10:** Magandang hapon mga kapatid ko, ako may problema tagal na nitong problema, ikimkim lang sa aking puso pero pagkakaton na ito na malaman sa pamunuan ng taga Rapid, ako may dalawang hektarya na lupa na nakuha sa Rapid dito sa bundok sirado sa mga kahoy mga tanim, ay ang developer nag sabi na bayaran, binayaran ang usapan namin malaki pagkatapos binigyan lang ako ng 10 libo lang, dalawang hektaryang kamanggahan, saging maraming tanim, pangalawa yung katiwala niya, si Lomez kahit nga pagkakahoy hindi na kami pagkahuyin di ba grabe naman ito, 10 libo lang binayad sa 2 hektaya pati pagkakahoy, pagpatay naman sa buhay namin kaya salamat na nandito kami, nandito kayo na iparating ko ang aking problema,kung ano ang solusyon sa ginagawa nila, bakit 10 libo lang laan, na sarado sa tanim 150 ang puno sa kahoy, namumunga na lahat, saging 600 namumunga na kaya ganun lang ang halaga unya, yung pangako hindi na kami makapangahoy, nandito lang ako, daghang salamat basta ipaabit ko ang aking problema.

**Engr. David Pagalilauan:** Sige tay ipaparating po namin sa management yung concern mo hindi din masyadong aware sa kung ano ang isyu pero ipaparating po namin.

**Respondent 11:** Magandang hapon, ngayon po total nabukasan naman po ang aming hinaing katulad po sa akin po na malaki din po ang epekto sa paghahanap buhay ko, dun lang ako kumukuha

sa pinapaaral ko sa mga anak ko, pano naman kung mabakuran na yung sinasaka ko ang laki po ng lupang nasasakop sa akin may 3 hektarya ako sa taas na sagingan puno, e dito s baba pa ganun pa rin, ay pano naman kung mabakuran yun, pano naman po kami? Bibigyan lang po kami ng 10 libo wala naman sigurong sapat sa ganung bayad dapat sana po bigyan, po sana kami ng magandang hanapbuhay, malaki po ang nawawala sa amin po, yung saging ko dyan produktabi po siguro sa isang taon, kung mga 100 thousands meron po akong nakukuha diyan sa produkto, kung masasarado po yan, pano naman po yung dalawa kong estudyante? Pano po makakatapos po yun, katulad ko may sakit na po ako, sana po makarating man lang po kay madam na mabigyan man lang po kami ng magandang ano, parehas po hindi yungaabutan lang po kmi ng 10 libo. Salamat po.

**Engr. David Pagalilauan:** Salamat po, tulad po ng sinabi naming kay tatay, di kami aware sa lupa na sinasabi po pero ipaparating naming sa management naming po yung mga isyu po na yan.

**Renz Dariso:** Last na lang ano, yung tulad nga po nung mga unang concern kanina, sa amin po kasing kooperatiba willing naman po kami doon sa information dissemination kasi ang nagiging problema po yung mga tao po hindi nila alam ang nangayayari, tulad po ng sinsabi na bigla na lang sumabog, nahulog ang tv wala na silang mapanooran, so sa amin naman po in behalf of our cooperative naririnig naman po siguro within the area doon po Information dissemination we can help the company para po maidistribute natin yung proper information like for example may mga announcement si Rapid City so the cooperative willing to serve the community para po idistribute ang mga information dissemination kung meron po kayong mga projects, meron kayong mga developments or kung ano man activities ang gusto ninyong iparating in our community the cooperative is willing to help the company para naman po doon sa proper distribution of information para po sa ating mga mamamayan.

**Engr. David Pagalilauan:** Thank you po sir, at least alam po naming kung kanino kami lalapit. Thank you very much

**Gennelyn Ajeda:** Bale po kasi yung binabanggit ni tatay na area po ng kanyang lupa, saklaw po yun ng part coverage bale wala po kasi kaming alam sa nangyaring bentahan kasi po pinagbabawal po sa department of agrarian na magbentahan ng lupa dahil ito po ay for floa insuance tapos po dineklara ni president duterte na shortened the land use conversion and ipamahagi na ang lupa sa beneficiary, yun lang po.

**Singalong Homeowner Association President:** Hindi na po ako magtatanong, maghihingi po ako o makikiusap kasi sa amin po marami pong apektado na mga bata sa hika wala po kaming nebulizer baka pwede niyong isingit doon lang kasi pag nagkakahika po ang bata dadalhin sa Antipolo, magkano ang pamasahé baka pwede po dun ako makiusap sa inyo hindi po para sa akin para sa lahat po kalugar ko na apektado.

**Armando Rutaquio:** Nito pong last quarter nagbigay ang Rapid City ng medicines at tsaka medical equipments in form po nitong nebulizer kaya mga November ata yun e, papuntahan na lang po ninyo ang inyong coordinator sa barangay at bibigyan kayo ng nebulizer, nagbigay na po kami sa barangay ng nebulizer, 60 yata yun, 60 pcs na nebulizer papuntahan niyo na lamang po sila kay Secretary Marlon.

**Lodivica Santos:** Ako po yung BHW ng Sitio Sumilang Health Center ang problema po sa center yung iba ang gusto, hihiramin e yung binigay po sa amin ni Doc Akop ay pang center lang kaya po yung iba ang problema nung may hika hihiramin dadalhin sa bahay kasi ang oras nga naman, e yung oras nila may tatlong beses na nag papausok, yun po ang problema hindi kami makalabas ng nebulizer, ngayon kung kayo magbibigay kayo ng karagdagang nebulizer para kung sakaling may manghihiram ay maraming salamat. Yun lamang po. At tsaka yun lamang po. Makakahingi po ba kami ng mga hinihingi ung mga nanay may reseta ang doctor na wala naman silang pambili, wala kaming ambroxol at mga gamot sa ubo, sa paracetamol po meron ang problema po yung sa ubo. Yung niresetahan ng doctor namin wala kaming maibibigay. Yun lamang po, yun ba ang pwede kaming humingi?

**Engr. Paulo Noni Tidalgo:** Actually maganda po yung nasasabi niyo at least pagpulong pulong po natin nadidinig po ni Sec sa ating barangay at ng ComRel, malamang po nililista na ng ating barangay.po yan at sa tingin ko po maasahan niyo po yung Rapid at barangay na tumulong po.



## **ANNEX 2 – Photo Documentation**



## Participants



## Registration



## Opening Prayer



## Opening Remarks



## Presentation of EIA Process



## Discussion of Project Description



## Open Forum



















## Closing Remarks





## **ANNEX 3 – Attendance Sheet**

## INFORMATION, EDUCATION AND COMMUNICATION/INITIAL PERCEPTION SURVEY

PROPOSED RAPID CITY REALTY AND DEVELOPMENT CORP. NEW QUARRY PROJECT

PCUP RPG Ville, Ondoy Village, Barangay San Jose, Antipolo City

February 22, 2019, 1:00 PM

NAME	ADDRESS/BARRANGAY	CONTACT NO.	ORGANIZATION	SIGNATURE
JOHNNIPON BUEYAH	CABUJUE	09167575004	BAGY CAN THIE - ADMIN EST. JAM	
MICHAEL MIGATOTO	SPN JOSE	9165530620	9261. SAN JOSE "ADMINISTRATOR"	
MR. JR. WEST P. MATA	SPN SYKE	09159133911	Brgy. San Jose, Hwyway	
OSCAR DELOS MANDO	SPN JOSE	091765470831	PCUP RPG Ville SMC	
ROX T TABAS	SPN JOSE	091765470831	DRIVER	
Kirief E. Agtahala	SPN TOSTE	093827982643	TRUCK DRIVER	
Carmon Project	CABU JOSCE		TRUCK DRIVER	
Emilia C. magandang	SPN JOSE	09601014743	PCUP RPG Ville	
ZERESTO R. RIVERO	SPN close		PCUP RPG Ville	
Amilou Valindao	SPN KTC VLT	091280332313	Miner/Miner	
DENNIS T. MUYN	SINGALONG		LUPDN	
Aeta Susan Carols	Singalony	09041885354	YU SITE CHIEF MINER	
Marky GATA VLT	APU-YOD	09200637463	PCUP RPG Ville	
Oleikh R. Catella	Abuyod		Brgy. San Jose	
ENOCKIN M. SPALCU			Catella	
Morming A. Lopez	Sumilang		John	
Quirino A. Pobales	PCUP RPG	09090472096	Phase	
EVA Valdez	PCUP RPG		San Jose	
Benedicto Diaz	Sumilang		San Jose	
Romualdo Galito	PCUP RPG		Phase	

## INFORMATION, EDUCATION AND COMMUNICATION/INITIAL PERCEPTION SURVEY

PROPOSED RAPID CITY REALTY AND DEVELOPMENT CORP., NEW QUARRY PROJECT

PCUP RPG Ville, Ondoy Village, Barangay San Jose, Antipolo City

February 22, 2019, 1:00 PM

NAME	ADDRESS/BARANGAY	CONTACT NO.	ORGANIZATION	SIGNATURE
Merlita Lape	Bhk 13 lot 1 Brgy. Poblacion	091157053677	Public Relation	
Charles Barnes	St. Five barangay	09354612957		
John Tugasan	Ban - 9 lot 1	0999828204		
Aileen Balagtas	1st floor sumbong	09290737220	President Producer	
Pollito Zambrano	Brgy. Bantana		Senior Writer	
Dore D. Dalton	Brgy. Long	092274876165	Wardress	
Laudelino	Sumilipit		Author Author	
JENELLO G. ALVAREZ	St. Five barangay	0909700070	(GND) YKEDDAF	
Jocelyn Cuimalon	Sitio Bagong Punta	0984914417	BC SO	
Jesus Pineda	Sitio Eldorando		BC SO	
MARTIN C. ALCANTARA	San Jose	09985315846	PAUL SECRETARY	
Clarissa Goleman	Barangay - NYU		Swimmer Athlete	
Penito E. Abres			Artist	
Marina Treag	Abra yard		Artist	
Roberto Nasbol	Albony yard	09229269681	Conductor	
Merlyne Corpuz ORTIZ	7 Corp	09343360927	TANED	
Richard Firth	1327 Lot 22	09094707477	Public Relations	
Grace S. Guadalupe			Author Author	
Ronald Buaning	Barangay		Author Author	
Marcel Tejada	B7-L28	09464429202	Head Comm. on Legis. Subj.	

**INFORMATION, EDUCATION AND COMMUNICATION/INITIAL PERCEPTION SURVEY**  
**PROPOSED RAPID CITY REALTY AND DEVELOPMENT CORP. NEW QUARRY PROJECT**  
 PCUP RPG Ville, Ondoy Village, Barangay San Jose, Antipolo City  
 February 22, 2019, 1:00 PM

NAME	ADDRESS/BARANGAY	CONTACT No.	ORGANIZATION	SIGNATURE
Agnes C. Balda	Sitio Sanlalang	-	Area Coordinator	Agnes C. Balda
Mrs. Lourde P. Angotes	PCUP - RPG Ville	-	Cooperative	Lourde P. Angotes
Mr. Wilmer N. Dizon	PCUP - RPG Ville	-	PR/PMC	Wilmer N. Dizon
Jean Bebetino	Sanlalang	-	-	Jean Bebetino
Betharron Deveraa	Singalong	09222082284	Swing C. Betharron	Betharron Deveraa
RACHEL T. SIMESES	SITIO SANLALANG	0915-8309063	SITIO SECRETARY	RACHEL T. SIMESES
Euse J. Santos	SITI SANLALANG	-	Asst. Sec. Euse J. Santos	Euse J. Santos
Joseph Jacob Rio Genggong	Ayada Sitio Sanlalang	-	Swinglang Farmers Assoc. Inc.	Joseph Jacob Rio Genggong
Melanie Tolacido	Sitio Sanlalang	-	Section Officer	Melanie Tolacido
MARINA A. ORTEZ	Plus Lagoon	09775052398	Project Director	MARINA A. ORTEZ
Rebands P. Medas	Sitio Junction	09164002444	BB PRO	Rebands P. Medas
Fabebilita T. Malled	PCUP	09091591691	Janet Malled	Fabebilita T. Malled
Domilior Fabrigas	PCUP	-	-	Domilior Fabrigas
RARELYN V. ZAMORA	PCUP - RPG Ville	09124241963	Project File Manager	RARELYN V. ZAMORA
Dydia P. Balde	P.CUP - RPG Ville	-	-	Dydia P. Balde
Gloria M. Jesus Santiago	Sitio Sanlalang	09066779090	Sitio Leader	Gloria M. Jesus Santiago
Wuda Nardo I	Abuyod	09169991694	Roberto Magdal	Wuda Nardo I
Josephine Q. Medes	Abuyod	-	Project Leader	Josephine Q. Medes
Rosemarie Glocar	Abuyod	-	Project Leader	Rosemarie Glocar
Romeo Dimay	Abuyod	09362346291	Project Leader	Romeo Dimay

**INFORMATION, EDUCATION AND COMMUNICATION/INITIAL PERCEPTION SURVEY**  
**PROPOSED RAPID CITY REALTY AND DEVELOPMENT CORP. NEW QUARRY PROJECT**  
 PCUP RPG Ville, Ondoy Village, Barangay San Jose, Antipolo City  
 February 22, 2019, 1:00 PM

NAME	ADDRESS/BARANGAY	CONTACT NO.	ORGANIZATION	SIGNATURE
Mary Grace T. Tancre	Sitio Abangod	09364447080		<i>Angel</i>
Benedicto Calungsod	Sitio Abangod	09456844798		<i>Angel</i>
Locsinice R. Santos	Sitio Similing	09285956812	BHW Health Center	<i>Angel</i>
Tomas S. Potano	" "	"	TAC MEMBER	<i>Angel</i>
Foll L. - Romel	" "	"	FARMER	<i>Romey</i>
Coteron Tonyco	Sitio Singalong			<i>Chito</i>
Lean Diligenci	" "	"		<i>Aldrin</i>
Merista Macario	" "	"		<i>Merista</i>
Belgina Condensed	B1K 10 lot 35			<i>Belgina</i>
Domingo C. Peralta	Brgy 1 lot 1	09233474732	PRU MPC (500P)	<i>Domingo</i>
Heche D. Langawan	B1K 32- lot 24	09099740985	OMA	<i>Heche</i>
Bonifacio Mapapis	B1K 32- lot 8	09751274482		<i>Bonifacio</i>
Luisito Leguilas	B1K 12 lot 24	09294747771		<i>Luisito</i>
Severino B. Coloma	Brgy Abangod			<i>Severino</i>
Alberta E. Gole	Similing			<i>Alberta</i>
Monica V. Agiusan	Similing	09503042490		<i>Monica</i>
Pachamangar Bagio	PCUP RBL			<i>Pachamangar</i>
William M. Ordon	PCUP RBL	09165737936	D. M. A	<i>William</i>
Jostatus T. Delmundo	PCUP RPG Ville	09396254244	OMA	<i>Jostatus</i>
Chancor Suadre	PCUP - RPL Ville	09123911283	OMA	<i>Chancor</i>

INFORMATION, EDUCATION AND COMMUNICATION/INITIAL PERCEPTION SURVEY

**PROPOSED RAPID CITY REALTY AND DEVELOPMENT CORP. NEW QUARRY PROJECT**

TIP-SIZE WITHIN COUNTRY SIZE

February 22, 2019 100 200

NAME	ADDRESS/BARANGAY	CONTACT No.	ORGANIZATION	SIGNATURE
MAGESTL HILTON Lemis Blanca	Sgt/10 Singdeng Ondoy	0916 520 1334		<u>Magestl Hilton</u> <u>Lemis Blanca</u>
Alecia P. Romeo	Ondoy			<u>Alecia P. Romeo</u>
Miriam V. Polwan	Ondoy			<u>Miriam V. Polwan</u>
Eva N. Chua	Ondoy	0955 2385846		<u>Eva N. Chua</u>
Alphonse Bern	for I			<u>Alphonse Bern</u>

INFORMATION, EDUCATION AND COMMUNICATION/INITIAL PERCEPTION SURVEY

PROPOSED RAPID CITY REALTY AND DEVELOPMENT CORP. NEW CHARRY PROJECT

NOT USED FOR A FRIENDLY PLACE DUE TO WHICH GONE AWAY

MEASURES OF INEQUALITY

NAME	ADDRESS/BARANGAY	CONTACT No.	ORGANIZATION	SIGNATURE
Wesleyn Abucipio Angeles, Marigondon	Pcup-RPC Village Pcup-RPC Village / others	09182014281		MARIA B. ABUCIPIO Bacong
Victorio Comiso Barangay Cleves	Sumilong			VICTORIO COMISO
Arline Apitates	Pcup-RPC Vicus	09478652034		Arline Apitates

**RCRDC MPSA NO. 345-2010-IVA, AMENDED I PARCELS 1 AND III AREA C QUARRY PROJECT  
INFORMATION, EDUCATION and COMMUNICATION  
Barangay Dalig**

### **Participants**

In line with the proposed New Quarry Project of Rapid City Realty and Development Corporation in Brgy. Dalig, Teresa, Rizal we have conducted an Information, Education and Communication activity (IEC) on February 21, 2019 at Sitio Pantay Covered Court.

A total of 93 participants the Information, Education and Information (IEC) for the New Quarry Project of Rapid City Realty and Development Corporation, it is consists of 68 women and 25 men.

The program was attended by the Local Government Units, NGO's, different sectoral community organizations and stakeholders.

### **Program Flow**

The activity started with a prayer from one of the Barangay Kagawad and an opening remarks from Barangay Captain Jhanda Sto Domingo, followed by the discussion of EIA process by Engr. Paulo Noni Tidalgo and the presentation of the project presented by Engr. David Pagalilauan.

During the open forum, residents raised their concerns for the said project. Some of the issues raised were listed below. For the detailed discussion, attached is the transcription for the open forum – Annex 1.

<b>Issues</b>	<b>Name of Persons who raised the issue</b>	<b>Response</b>
So saan po ba talaga ang inyong isusunod na ikuquarry?	<b>Dominador San Diego</b>	<b>Engr. David Pagalilauan:</b> Hello sir, tulad ng presentation ko po kanina, bale yung susunod po na ikuquarry ay yung likod po ng present na quarry naming tsaka doon po sa may bandang harap.
Ito ba ay makakapagbigay ng trabaho dun po sa mga mahihirap na katulad po namin,	<b>Barbara Toribiano</b>	<b>Engr. Paulo Noni Tidalgo:</b> Ang maganda pong ano nito is ayon po sa batas, ang isang kompanya

Issues	Name of Persons who raised the issue	Response
yung kalalakihan ba o kababaihan, kung ilan po ba ang pwede ninyong kunin sa amin sa trabaho kasi kami po ay mga mahihirap at wala pong permanenteng trabaho.		po, sa mining po kasi, required po yan, na ang una niyang titingnan para sa mga employment nung kanyang proyekto is yung qualified residence po dun sa ating host barangay, so may mga ibang proyekto din po kaming nahawakan ano po, na pagka lets say yung ating host barangay ay hindi pa ganun ka skilled so pwede po natin, kasi po pag natuloy po ito, may programa siya na tinatawag nating SDMP yung Social Development and Management Plan so pwede po natin dun, during programming at tsaka planning nun, kinukunsulta po kasi para po sa inyo yun e, so kung sa tingin nyo po anong mga skills na kailangan pwede niyong ipropose dun as a training, bubudgetan po yun nung 1.5% nung galing sa operating cost nila, so pwede po yun. Dapat actually, hindi pwde, dapat po ganun at yun po ang sinasabi nung batas.
Ano po ba yung maganda nating solusyon o programa para maingatan po yung mga estudyante natin dito na madadaanan ng mga sasakyang dito at yung over speeding po minsan yung mga trucks na dumadaan na magbibigay po ng	Brgy. Kagawad	<b>Engr. Nestor Hubac:</b> Bilang pagtungon sa mga concern ng mga tao dito lalo na sa mga bata ay naglagay po kami ng isang karatula diyan na medyo marahan ang takbo, may mga batang tumatawid bukod pa roon meron tayong dalawang

Issues	Name of Persons who raised the issue	Response
delikado o posibleng aksidente, dito po sa mga estudyante, hindi lang po sa mga estudyante kundi din po sa mga mamayan dito		traffic aide na nagbabantay dito na pinapasahod ng Rapid City, sa pamamagitan ng barangay, ang barangay po ang magsusupervise doon, pangatlo, binabawal natin ang pagbyahe ng truck mula alas onse ng umaga hanggang ala una ng hapon. Sa mga ganung oras labasan ng bata, papasok yung second shift, pagbabawal natin yung pagbabahe ng mga truck. Lahat ng truck kahit hindi truck ng Rapid, pang-apat, naglalagay po ako ng karatula doon, may ordinansa ang bayan ng Teresa na meron speed limit ang mga truck dito, subalit may mga pilosopo, matulin mga taga Teresa pa, so ang direksyon ko, may camera naman yung traffic aide kuhanan niyo na lang nang picture yung matulin at susumbong natin kay mayor kasi nakipagkasundo kami kay mayor na tutulong kami sa pag ayos ng traffic dito at sa safety ng mga bata.
Sa tagal ko dito walang kumukonsulta sa aking taga Rapid, kung ano ang nagiging problema ng paaralan, tama po ba? Ilan po ang estudyante namin? 1500 plus, ok po? Narito na rin naman kayo, tingnan niyo ang mga dumaraan, una yung ingay ng	Elementary Principal	Engr. David Pagalilauan: Maraming salamat po sir, Icoconsider po namin yung mga naiminungkahi ninyo at siguro one of this days si Rapid City ay pupunta po sa inyo lalong lalo na po ang aming ComRel na si Armando Rutaquio, ang gusto lang naming ipahiwatig sa

Issues	Name of Persons who raised the issue	Response
truck, may nagreport ba sa na ingay ng truck ay nakakaapekto sa pag aaral ng bata? Meron o wala? Pangalawa, nakikita niyo ang mga truck ninyo walang mga takip sa ibabaw, pangatlo yung safety na sinasabi niyo hindi nagrereport sa akin yung inassign ninyo e, kaya hindi ko po kilala bilang principal. Tama po ba? Hindi po nag rereport sa akin, kaawa na yung mga estudyante ko sa alikabok oh, pang apat nag inspect ba yung mga kuwan ng Rapid? May kasama bang other agency? Wala, kayo lang din ang nag iinspect hindi kayo nag konsulta ng isang agency na kung saan mag mimiddle sya, kung ako ang ahensya ng isang gobyerno, kung ano ang findings ko yun ang irereport ko, hindi yung tao ko ang magrereport ng mga problema, tama po?		ngayon ay, opo nacoconsider po namin na yung kalsada po na to ay kailangan po namin magkaroon ng safety measures, ang Rapid City po commitment niya po yun, gusto lang po namin na ipamahagi, alam po natin na yung Pantay Buhangin ay kumukonekta mula Teresa hanggang Marcos Highway di po ba? So parang national road na po to e. Datapwat, gusto man po naming na ilagay sa ayos itong lahat ay gagawin namin, siguro kalahati ng dumadaan o kulang naman sa kalahati siguro ay nanggagaling sa Rapid City, nakikita po sa amin ang responsibilidad pero yung karamihan po diyan, alam po nating na sa ibang lugar po nanggagaling ang mga dumadaan pero none the less po, maraming salamat at naiparating niyo sa amin at yun nga po iconocommit namin na ang aming community relation officer ay pupunta po sainyo sir.
Gaano po ba kayo mabilis tumakbo, kasi yun po ay hindi pwedeng mabilis.	<b>Resident 1</b>	<b>Engr. Nestor Hubac:</b> So ang limitasyon diyan ay 10km/hr po. Pag walang laman 20 km/hr.
Nais ko pong malaman kung ano naman po ang programa	<b>Jason R. Velgado</b>	<b>Engr. David Pagalilauan:</b> Sa ngayon po sir, sa present

Issues	Name of Persons who raised the issue	Response
para sa tumatakbung tubig pagdating ng tag-ulang.		operation namin, actually kinocontain na po namin lahat ang tubig within po doon sa quarry namin, naglalagay po kami ng mga siltpond pero para dito sa project po na'to, sinasama pa din po doon sa study kung saan talaga tumatakbo yung mga tubig at pagdating dun, isasama po doon sa quarry design kung saan naming patatakbuhin yung tubig na hindi rin po makakaapekto sa inyo.
Isa pa po, bilang representative naman ng mamamayan dito sa Pantay, dahil dito rin po ako nakatira, ang naging concern lang po natin yung kalsada, ngayon pano po ang mga alikabok na pumupunta sa bawat bahay hindi lang po sa eskwelahan kundi pati yung mga bahay?	<b>Jason R. Velgado</b>	<b>Engr. Nestor Hubac:</b> Yun nga po, sa akin lang pananaw mas epektibo siguro yung wawalisan na lang natin kesa didiligan natin.
Yun pong sinasabi ko po na pagyanig pag may blasting kasi meron pong mga kabahayan dito na naapektuhan na nagkakaroon ng crack ang bahay, ano po ang maaaring solusyon niyo sa ganung problema.	<b>Brgy. Captain Jhanda Sto Domingo</b>	<b>Engr. David Pagalilauan:</b> Yun nga po mam, yung ibang naapektuhan talaga naming, noon ay nagkakaroon po ng pag uusap yun at nagkakaroon din po ng settlements sa ngayon po hanggaat maari inaavoid namin ang magkaroon ng damages.
Ako po Si Ginoong Marieto San	<b>Marieto San Buenaventura</b>	<b>Engr. David Pagalilauan:</b>

Issues	Name of Persons who raised the issue	Response
Buenaventura isa pong administrator ng barangay ano po, ang atin pong pinag uusapan dito ay yung bago ninyong bubeksan subalit nakakahalo na yung nag ooperate di po ba? Ngayon, tatlong stage ang pinag uusapan natin dito, yung development, production and rehab, dun po ako sa rehab meron na po ba kayong nakahandang programa? Open pit po kasi ito e, hindi po ba? itong kasalukuyan.		Kasalukuyan pong nirereview ng MGB yung sinumbit naming na Final Mine Decommissioning and Rehabilitation Plan so yun po, yun ang programa na inimplement po namin. So ang tinitingnan po naming, ganun din po, yung susunod na project namin, gagawan din po namin ng Final Mine Rehabilitation



## **ANNEX 1 – Barangay Dalig IEC Open Forum**

## OPEN FORUM

**Dominator San Diego:** Ako po si Dominator San Diego, Non-Government Organization, member din po ako ng monitoring team, Magandang umaga po sa ating lahat ang akin pong katanungan, nakalagay po dito, Sitio Sumilang san po ba itong Sitio Sumilang? Barangay Dalig po ba ito?

**Thomas Victorio Tañedo:** Ang Sitio Sumilang po ay sa barangay San Jose po yan.

**Dominator San Diego:** Bakit Sitio Sumilang po ang nakalagay dito?

**Thomas Victorio Tañedo:** Yan po ay sulat sa kabilang po ito, nagkamali lang po. Hindi lang po nabago, typographical error lang po.

**Dominator San Diego:** So saan po ba talaga ang inyong isusunod na ikuquarry?

**Engr. David Pagalilauan:** Hello sir, tulad ng presentation ko po kanina, bale yung susunod po na ikuquarry ay yung likod po ng present na quarry naming tsaka doon po sa may bandang harap.

**Dominator San Diego:** Sa kabilang ng mansion.

**Engr. David Pagalilauan:** Opo dun po. Yung sa kabilang po.

**Dominator San Diego:** Akala ko kasi dito, hindi pala.

**Engr. David Pagalilauan:** Meron po, May plano na rin ho diyan sir.

**Dominator San Diego:** Yung ibabaw ng lupa ay sa tao, yung sa gobyerno yung sa ilalim so yun bang ikaquarry niyo na area ay nabili niyo o may ibang tao na nakaposisyon?

**Engr. David Pagalilauan:** Yung sa lahat po nung ikuquarry namin, karamihan po dyan, sa Rapid City na ho yan sir.

**Dominator San Diego:** So yung iba, pano kung halimbawa may taong nakaposisyon, pano ba ang sistema ng inyong bayaran doon sa ganun?

**Engr. David Pagalilauan:** Sir usually ang ginagawa ni Rapid City binibili nya po yung mga area na may nakaposisyon po.

**Cesar Buenaventura:** Magandang umaga po, bilang representative po ng halos. Ito po ay sa barangay ano po, kami po ay nagpapasalamat, ang hatid niyo sa amin ay kaunluran sa totoo lang po pag po may mga ganyang aktibidades lalo na po yung quarrying, yan po ay syempre kung baga ay masasabi nating karagdagang na tulong sa barangay kung sakaling kayo man ay matuloy di ba? So kami naman sa sector namin sa aming pagkakaunawa, ako nga po pala ako ay hindi pa nagpapakilala ako po si Cesar Buenaventura isang taga Teresa Marble dati po, kaya alam ko po yang sinasabi ninyong MGB, MPSA nabasa ko nga po sa dyaryo hindi ko po nabasa ang inyong pangalan e, yung Rapid City. Ang Teresa Marble po ay isa sa binigyan ng lisensya ng MGB sa pag kuquarry dito po sa Teresa Rizal at sa Antipolo Rizal ,kaya kami po kaya alam ko po yun. Kaya tama po ang sinabi ninyo kanina hindi po ako nagtatanong, tama po yung kanilang sinasabi na iniwan niyo po iyan kung sakali na magbukas na kayo kumbaga nakapagpatuloy na kayo sa operasyon ,on going kung sakaling isarado ninyo, pakiusap po ng taong bayan, sana po kayo ay maging responsable na nagmimina dahil sa totoo lang, ang Teresa Marble po bago po umalis, halimbawa po may nasira silang kalikasan, yan po, lalo na po tungkol sa mga kahoy, yung mga kahoy na ganyan ang sinisira nila. Pinapalitan po yan, halimbawa po may naputol na ganun, pinapalitan po yan ng sampung beses sa isang puno, ganun po ang responsible mining at yun pong tinatawag na waste materials ng Teresa Marble di po ba yan e nilalagari e di syempre may waste, ibinabalik po yan sa bundok at para siya ay maging, kung baga patubo na din ng mga halaman mga kung anu-anong dun para tumibay. And yun nga po na sinasabi naming na responsible mining kaya nagpapasalamat po kami sa inyo sa Rapid City dahil ang hatid po ninyo kung sakaling ito ay matuloy ay kaunlaran. Salamat po.

**Barbara Toribiano:** Ako po si Barbara Toribiano, nagpresent po ng pantawid po, samahan po ng mga mahihirap dito sa Barangay Dalig po, ang akin pong katanungan ay since na itong Rapid po ay isang kompanyang malaki, nagkakaroon po siya ng production, ang akin pong katanungan ito ba ay makakapagbigay ng trabaho dun po sa mga mahihirap na katulad po namin, yung kalalakihan ba o kababaihan, kung ilan po ba ang pwede ninyong kunin sa amin sa trabaho kasi kami po ay mga mahihirap at wala pong permanenteng trabaho. Salamat po.

**Engr. Paulo Noni Tidalgo:** Ang maganda pong ano nito is ayon po sa batas, ang isang kompanya po, sa mining po kasi, required po yan, na ang una niyang titingnan para sa mga employment nung kanyang proyekto is yung qualified residence po dun sa ating host barangay, so may mga ibang proyekto din po kaming nahawakan ano po, na pagka lets say yung ating host barangay ay hindi pa ganun ka skilled so pwede po natin, kasi po pag natuloy po ito, may programa siya na tinatawag nating SDMP yung Social Development and Management Plan so pwede po natin dun, during programming at tsaka planning nun, kinukunsulta po kasi para po sa inyo yun e, so kung sa tingin nyo po anong mga skills na kailangan pwede niyong ipropose dun as a training, bubudgetan po yun nung 1.5% nung galing sa operating cost nila, so pwede po yun. Dapat

actually, hindi pwde, dapat po ganun at yun po ang sinasabi nung batas. And yung Rapid po matagal na po silang nag ooperate and im sure po na ginagawa din po nila yun, so idagdag ko lang din aside from programa doon sa socio, may programa din po yan sa environment, sa safety at yun nga po sa environment natin, dalawang programa ang iniimplement yung tinatawag namin siyang EPEP, Environmental Protection and Enhancement Program ito yung programa natin na habang nag ooperate ito yung iniimplement na programa so kasama ho diyan ang LGU kasama ang NGO sa pagmomonitor, so may mag magmomonitor dito. Tapos pagkatapos mag operate may another program na kailangan gawin at pondohan ng kompanya ito yung FMRDP tinatawag namin siyang Final Mine and Rehabilitation and Decommissioning Plan so kung tapos na ang kompanya kunwari ngayong taon tapos na siya mag mina, ang requirements po nang batas sa loob po ng susunod na 10 taon irehab na yung area hindi niya pwedeng bitawan yun at ang kainaman nito, yung pondo sa pag rehab na yun, dineposito nya na, habang nag ooperate siya dineposit niya na. At itong mga proyektong requirements ng batas natin ang active participation po ng ating komunidad o stakeholders ay iniencourage kaya magiging member po kayo ng MRFC o MMT para at least makita niyo rin po kung ano ang ginagawa nung, kung baga nakaagapay din sa pag, hindi naman sa pagbantay, pag ayos sa pagsunod na naaayon sa batas para doon sa proyekto.

**Brgy. Kagawad:** Magandang umaga engineer, tanong ko lang po sir, magbubukas po kasi tayo ng bagong quarrying dito sa area ng Dalig, ang tanong ko po, sir paano ba natin mabibigyan ng solusyon yung volume ng mga trucks na naman na dadaan dito sa ating lugar sa ating kasaldahan na magbababaybay po, dito po sa ating mga paaralan na ating nadadaanan, na marami pong estudyante, ang akin pong tanong, ano po ba yung maganda nating solusyon o programa para maingatan po yung mga estudyante natin dito na madadaanan ng mga sasakyang dito at yung over speeding po minsan yung mga trucks na dumadaan na magbibigay po ng delikado o posibleng aksidente, dito po sa mga estudyante, hindi lang po sa mga estudyante kundi din po sa mga mamayan dito na laging naghihintay, nagsusundo, sa mga motorista ang aming lugar, so ang solusyon po kasi ay minsan ay nagiging problema at yung karagdagang alikabok na naman na pumapasok sa bawat rooms, sa mga classrooms na nagiging problema din po mga ating kaseskuelahan, hindi lang po sa eskwelahan kundi sa mga bahay, kabahayan sa lugar na ito, dito sa Pantay, so akin pong tinutukoy sir sana matulungan niyo rin po kami, ang aming lugar kung paano masolusyon yung ganitong problema na sa araw-araw ay yan ang kanilang na eengkwentro at yung pagkahabala dun sa mga dumadaang trucks dito sa ating barangay. Salamat po.

**Engr. Nestor Hubac:** Ako po ay kasama po sa aking pinangangasiwaan ay safety, bilang pagtungon sa mga concern ng mga tao dito lalo na sa mga bata ay naglagay po kami ng isang karatula diyan na medyo marahan ang takbo, may mga batang tumatawid bukod pa roon meron

tayong dalawang traffic aide na nagbabantay dito na pinapasahod ng Rapid City, sa pamamagitan ng barangay, ang barangay po ang magsusupervise doon, pangatlo, binabawal natin ang pagbyahe ng truck mula alas onse ng umaga hanggang ala una ng hapon. Sa mga ganung oras labasan ng bata, papasok yung second shift, pagbabawal natin yung pagbabayahe ng mga truck. Lahat ng truck kahit hindi truck ng Rapid, pang-apat, naglalagay po ako ng karatula doon, may ordinansa ang bayan ng Teresa na meron speed limit ang mga truck dito, subalit may mga pilosopo, matulin mga taga Teresa pa, so ang direksyon ko, may camera naman yung traffic aide kuhanan niyo na lang nang picture yung matulin at susumbong natin kay mayor kasi nakipagkasundo kami kay mayor na tutulong kami sa pag ayos ng traffic dito at sa safety ng mga bata. Pang lima regular po tayong nagdidilig dito sa kalsada kaso iba iba ang opinyon, pag dinidiligan mo, ayaw ng mga may motor at madudumihan daw ang mga motor nila, mahal daw yung carwash at pangalawa pagbasa na yung kalsada maaaring cause pa ng pagkadulas ng motor nila so saan kami lulugar? Ang ginawa namin naglagay kami ng mga taga walis, walis walis lang tayo sa kalsada hanggaat maaari bawas bawasan natin yung pagdidilig dahil ayaw ng taga dito sa bandang baba, dahil yung tubig galing doon sa itaas papunta rito so nagwawalis tayo, so limang hakbang na ginagawa ng Rapid para masuportahan natin yung concerns ng barangay. At tayo, tulong tulong tayo, pag may nakita tayong mga violator, may mga matulin hindi namin kinukunsinti yan, ang tamang patakbo dapat ay 10km pag loaded ka, pag walang kang laman, mga 20 dito sa lugar na ito. So sana ay nasagot ko po yung concern ninyo.

**Dominator San Diego:** Engineer yun pong mga truck ninyo na nagbbyahe dito sa Pantay, wala pong safety yung ilalim ng truck so yun pong ano ng fan mahina man ang takbo andun pa din ang alikabok so siguro, kayo ang makapipigil nun para wag ng pabyahihin dahil sa Republic Cement pag may violation, ang mga truck nila walang safety ang ilalim, yung kanilang fan, mahina man ang takbok kaya hindi magabok so nasa inyo ang kuwan nun.

**Engr. Nestor Hubac:** Salamat Ka Domeng, yung mga truck ban a bumibyahe ng FR, yung mga bagong truck na bumabyahe ng eagle, mga HOWO po yan, maganda po ang kondisyon ng makina niyan. Yung ugong ng makina? Sige po. Checheck-upin natin yung mga truck.

**Elementary Principal:** Ako po ang principal sa elementary, sa tagal ko dito walang kumukonsulta sa aking taga Rapid, kung ano ang nagiging problema ng paaralan, tama po ba? Ilan po ang estudyante namin? 1500 plus, ok po? Narito na rin naman kayo, tingnan niyo ang mga dumaraan, una yung ingay ng truck, may nagreport ba sa na ingay ng truck ay nakakaapekto sa pag aaral ng bata? Meron o wala? Pangalawa, nakikita niyo ang mga truck ninyo walang mga takip sa ibabaw, pangatlo yung safety na sinasabi niyo hindi nagrereport sa akin yung inassign ninyo e, kaya hindi ko po kilala bilang principal. Tama po ba? Hindi po nag rereport sa akin, kaawa na yung mga estudyante ko sa alikabok oh, pang apat nag inspect ba yung mga kuwan ng

Rapid? May kasama bang other agency? Wala, kayo lang din ang nag iinspect hindi kayo nag konsulta ng isang agency na kung saan mag mimiddle sya, kung ako ang ahensya ng isang gobyerno, kung ano ang findings ko yun ang irereport ko, hindi yung tao ko ang magrereport ng mga problema, tama po? Yun po ay maganda. Sunod po, Sige, obserbahan niyo po pano ang pag taas ng truck, narito ang sanggunian, pinaobserve ko sa kanila kung ano yung sitwasyon ng paaralan, alam po nila yan, yung over speeding totoo po yan, ang aking Supreme Student Government sabi ko gumawa kayo ng sulat, iparating niyo sa taas, hindi ako taga Teresa, pero concern ako sa mga batang Teresa, totoo po yan, kahit anong paganda ko sa eskwelahan, libu-libo po ang ginagastos ko, pondo ng paaralan, pagpapaganda ng paaralan, tingnan niyo, kahit anong bagong gawa ng building naming, alikabok po ang aming napapala, ako po pag pumapasok, meron akong gas mask sa totoo lang po, e yung estudyante ko po ay naglalakad. Yung pag didilig ok sana e, ang problema pag natuyo, pag nahulog ang lupa galing dun sa truck, wala na naman. So napakarami naming problema walang kumkunsulta sa amin, na sir meron po ba tayong problema diyan, ang aking sakop po ay kabilaan, sakop ko pong dalawa yan, problema ko po, wala akong pampasweldo sa security guard ng paaralan. Dalawa po, pero open ang aking gate kabilaan, pag pasok mo sa gobyerno naman, kung ano ang available na pondo yun ang gagamitin, may nagreport saakin noon na binabayaran daw ng Rapid, nariyan. Binabantayan ang bata pag tawid, kung nroon ako, saka pipito. Pumito ka, hindi ko alam kung nasan na yun, nawala na. Kasi hindi nag sabi sa akin na, sir ako po ay binabayaran ng Rapid. Sana nagsabi sa akin, ang report po na yan ay hindi nanggagaling sa aking kaguruan hindi nanggagaling sa mga bata, ako po mismo ang nakakakita, bilang punong guro. Magtatatlong taon na po ako dito, ako mismo ang lumalakad hanggang kay mayor kung ano ang gagawin naming diyan, naglagay kami ng isang pagharang doon, tinanggal nung isang truck, hahabulin ba namin? So sa totoo lang ang pinaka apektado ay paaralan. Mabuti sa aking panahon ay wala pang nababangga na bata, pero once na may nangyari sa aming estudyante kahit saan tayo makarating kasi estudyante naming yan e, yun po ang lagi nating tatandaan. Hanggang ngayon, hinihatay ko kung sino ang magkukuwan sa aking opisina, laging bukas ang aking opisina. Naghihintay lang po ako kung sino ang kakausap, bilang independent party, alam niyo na po. Lahat po ng bubuksang quarry site dito po dadaan sa kalsadang ito. Kung 100 ang truck times two yan dahil madadagdagan kayo ng lugar. Tama po ba? Kaya ako ay nalulungkot e, kasi gusto niyo magtaras tayo kung ilang trucks ang dumadaan diyan. Sa dami pati basura dyan dumadaan e. Siguro ito na yung time para marinig ninyo ang sintemyento ng paaralan, hindi ko alam kung ano ang sintemyento naman highschool baka meron din po. Open po kami wala pong problema, that is for the development of the barangays wala po akong tutol. Kaya lang lahat ng dadaanan ninyo ay sana ay walang masagasaan, masagasaan ang kalusugan, masagasaan sa safety nila yun lang po. Maraming Salamat.

**Engr. David Pagalilauan:** Maraming salamat po sir, Icoconsider po namin yung mga naiminungkahi ninyo at siguro one of this days si Rapid City ay pupunta po sa inyo lalong lalo na po ang aming ComRel na si Armando Rutaquio, ang gusto lang naming ipahiwatig sa ngayon ay, opo nacoconsider po namin na yung kalsada po na to ay kailangan po namin magkaroon ng safety measures, ang Rapid City po commitment niya po yun, gusto lang po namin na ipamahagi, alam po natin na yung Pantay Buhangin ay kumukonekta mula Teresa hanggang Marcos Highway di po ba? So parang national road na po to e. Datapwat, gusto man po naming na ilagay sa ayos itong lahat ay gagawin namin, siguro kalahati ng dumadaan o kulang naman sa kalahati siguro ay nanggagaling sa Rapid City, nakikita po sa amin ang responsibilidad pero yung karamihan po diyan, alam po nating na sa ibang lugar po nanggagaling ang mga dumadaan pero none the less po, maraming salamat at naiparating niyo sa amin at yun nga po iconocommit namin na ang aming community relation officer ay pupunta po sainyo sir. Thank you very much.

**Tito Muana:** Goodmorning po sa ating lahat, aside po sa SDMP, Social Development Program natin, meron po tayong naimplement na batas na 20% utilization program ng ating neighbor source, ang Rapid City po ba ay makakapagcommit ng ganun, yun po ang una kong tanong.

**Armando Rutaquio:** Pakiulit nga po Secretary.

**Tito Muana:** Aside po sa SDMP natin, meron po tayong pinaiiral na batas na utilization program, 20% utilization program of any project so consider na project yan iyong iyan, ang barangay Dalig ba ay makakaasa na magcocommit sa 20% utilization program?

**Armando Rutaquio:** Para pong hindi po masyadong yung 20% utilization program, pero yun pong naaayon sa batas, yung ating Social Development Management Program yan po yan po ang ating ipinapatupad na 1.5% ng annual operating cost ng Rapid City, ay yan po ay nilalaan namin para sa community para sa development ng community, para sa IEC, para sa development of mining technology at alam po naman siguro ng nakakarami dito na napakaraming ayuda o tulong ang ibinibigay ng Rapid City sa community at ngayon pong taong ito ay nagkaroon din kami ng panibagong programa kasi merong pagbabago ang mga activities o mga targets base po doon sa isinagawa naming planning workshop na dinaluhan po ng brgy council, nung kami ay nag meeting sa brgy hall at ngayon po ay merong pagbabago, at ang isang natatanging pagbabago ay yung kagustuhan ng community na magkaroon ng training sa dress making at ito pong activity na ito ay sa tulong ng ating kapitana, kokontak dito sa Pantay Elementary School para kung ano man ang kanilang uniforms ng mga estudyante, gumraduate sa dress making ang ating iinvolve at magbibigay po ang Rapid City ng makina panahi pag nagkaroon na po ng pagttraining na yan. At marami pa pong mga ibang activities ang ating isasagawa ngayong 2019 at lahat ng yan ay para sa pag tulong sa community ng Barangay Dalig.

**Tito Muana:** Pangalawang tanong po, gaano po kalalim ang tolerance natin sa pag eextract ng mga minerals? Ano po ang tolerance?

**Armando Rutaquio:** Siguro po ang ating mining engineer ang makakasagot diyan.

**Engr. David Pagalilauan:** Ah yung sa lalim po, yun po yung isa sa pinag aaralan pa namin, kung hanggang saan yung pwedeng deposito na makuha namin na safe po ang lahat, yung lalim po sa ngayon hindi pa namin mafinalize sa inyo, isasama po namin dun sa EIA study po yun. Pagbalik po namin dito, dun sa pagnatapos yung pag-aaral baka nandun na po yung kasagutan po, pero icomconsider po namin at least po ngayon na itanong niyo na po yung mga limitations namin.

**Engr. Paulo Noni Tidalgo:** Yung area kuquarryhin nung kompanya, pati yung surface rights actually ay sa kanila din, so maaasahan po natin na kung ikaw ang may ari ng lupa, syempre ayaw mong pagkatapos mo mag quarry ay hindi mo na mapapakinabangan so gaya nung mga nauna nilang mga project, kinoconvert nila ito with another partner, parang ginagawa nilang subdivision so sa tingin po namin na independent group, ang tingin po namin ay hindi po sila talaga maghuhukay ng malalim kasi icomconvert nila sa subdivision yung area, baka icomconvert. Pero gaya po sinabi ni Engr. David syempre sa Rapid, pero kung titingnan natin ang historical ba, yung ginagawa nila dun sa mga dating project yung mined-out na, ginawa nilang subdivision.

**Resident 1:** Tama po yung principal natin dito sa Pantay Elementary School, ano po. Ang binanggit po niya yung vicinity niya, hindi po niya binanggit ang buong dinadaanan ng Rapid City saan po ba papunta ang sasakyang ninyo mula doon sa inyong operation? Saan po ang punta nyan?

**Engr. Nestor Hubac:** Nagdedeliver po tayo sa Republic Cement.

**Resident 1:** Ah yun nga po, ang sinasabi ko po, maiksi po yung sinabi ng ating principal, vicinity nya po yun e, hanggang diyan, pero yun pong magmula galing dito hanggang doon syempre po vicinity po yan ng Brgy. Dalig, dapat po yung aming kapitana ang mag aano doon, papuntang Bagumbayan, di po ba? Lumulusot kayo papuntang FR. Dalawa lang po ang aking tanong. Kayo po ba ay may safety engineer? Wala po yata kayong safety engineer. Sa totoo po lamang kailangan, requirement po ng isang nagmimina ang safety engineer.

**Engr. Nestor Hubac:** Ako po ay mining engineer at the same time ako po ay safety engineer, ako po ay pollution control officer, so PCO, at safety officer. PCSO.

**Resident 1:** Kaya po. Tama po ang sinasabi niya, kasi po yung alikabok wag po nating sabihin sa inyong lahat yun nanggagaling pero ang sabi po ng mga taga rito, yun pong sasakyan ninyo ay wala yatang tabon man lang sa taas, na kung sakaling bumagsak yung mga idedeliver na silica. Syempre po, yun po ang mag cause kung bakit tayo nagkakaroon ng alikabok at tsaka ano po ba ang ibinibigay niyo sa mga driver ninyo, di po ba dapat may maximum po kayo ng bilis. Gaano po ba kayo mabilis tumakbo, kasi yun po ay hindi pwedeng mabilis.

**Engr. Nestor Hubac:** So ang limitasyon diyan ay 10km/hr po. Pag walang laman 20 km/hr.

**Resident 1:** Hindi po nasusunod ang 20 ata, parang ang bilis

**Engr. Nestor Hubac:** Siguro titingin tayo ng radar para hulihin natin yung mga lumalabag at hindi lang sasakyan naming ang dumadaan dito, maraming dumadaan na Coral maraming dumadaan na galing Baras dahil ito, ay highway ito ngayon, wala po kaming karapatang hulihin ang hindi amin.

**Resident 1:** Gaya nga po nung nabanggit ko, hindi lang po kayo ang dumadaan diyan, kumbaga concern lang kayo, kayo po ang may load ng mga panambak na mga silica na nahuhulog po sa kalsada, sana po e yun pong amin, pag aabot balita lang po sa inyo na sana po yung inyong mga sasakyan ay pigilan niyo ang speed dapat merong bubong, dapat dinidiligan talaga, dahil ganun po talaga, hindi po dahilan yung sinasabi nilang madudulas sila yun po ay talagang inyo pong gawain para sa inyong kompanya. Yun po lamang. Salamat po.

**Engr. Nestor Hubac:** Sa experience ko mas epektibo yung wawalisan na lang kasi pag diniligan mo yung alikabok pag natuyo yun ay magiging alikabok din yun. At sabi nga ni principal, pagreportin natin kap yung dalawang traffic aide sa kanya para siya ang magbibigay na ng direksyon.

**Dominator San Diego:** Engr pwede po ba lagyan ng cctv? Yung lugar ng mamonitor natin kung sino yung tumatakbo. Mas maigi ng maglagay ng cctv para malaman natin kung anong sasakyan yun talagang problema.

**Engr. Nestor Hubac:** Siguro, mag donate na lang ng cctv, under sa control ng principal or sino man ang katiwala nya dito, makikita natin yung mga violators.

**Kagawad Cris Palcoto:** Goodmorning po, ako po si Kagawad Cris Palcoto, ang katanungan ko lang po, sa mga magulang po na nandito at sa mga tao, so tatanong ko lang po magkano po ba

ang allowance ng dalawang traffic enforcer na sa maghapon po ay nagbabantay para sa mga truck sa oras po ng pasukan at uwian po ng estudyante, yun lang po.

**Armando Rutaquio:** Meron po tayong ibinibigay na allowance dun sa mga traffic enforcer na naka assign dito sa tapat ng Pantay Elementary School, at ang ibinibigay po naming diyan through the barangay captain quarterly ay 18,000 po yan, sa isang buwan ay 6,000 ang kanyang allowance, kaya lamang po, nitong nagkaroon kami ng deliberation doon sa Regional Office, tungkol doon sa renewal ng ating 5 Year SDMP, ay binanggit po ng ating regional director na alisin na lang sa SDMP yung mga binibigay natin dito, kasi ang sabi niya ay hindi yan SDMP iyan ay Public Safety, kaya iyan ay dapat doon sa EPEP, Environmental Protection and Enhancement Program kaya ngayong pong taon na ito ay wala na sa SDMP yung binibigay nating ayuda sa traffic enforcer kundi nandun na po siya sa EPEP kay Engr. Nestor Hubac.

**Kagawad Cris Palcoto:** Yun po bang 6,000 ay individual po ba yun o sa dalawa na?

**Armando Rutaquio:** Sa pagkakaalam ko po, para sa isa Ing po yun e. Para sa isang tao.

**Kagawad Cris Palcoto:** Ah 6,000 po para sa isang tao?

**Armando Rutaquio:** Kasi po nung una 5,000 lamang ang ibinibigay namin e, pagkatapos sabi ni Brgy Captain Casiano ay sinabing gawin na lang 6,000.

**Kagawad Cris Palcoto:** So ang dalawang traffic enforcer po is 12,000?

**Armando Rutaquio:** 6,000 sa isang tao

**Kagawad Cris Palcoto:** Pero 12,000 kasi dalawang traffic enforcer

**Armando Rutaquio:** Ay baka po ay counterpart ng barangay kasi po sa SDMP lang po ay 6,000 po. Ay ganito po pala ang istorya nyan, ginawa ni kapitana na dalawang tao pero ang ibinibigay namin ay 6,000 lang.

**Kagawad Cris Palcoto:** Kaya nga po, kaya nga po siguro nakikita niyo ngayon na wala po tayong traffic enforcer dahil sa kadahilanang po na alas syete po ng umaga nandun na po siya, hanggang uwian ng mga estudyante, yun po bang 3,000 ay sapat na sa pamilya niya, kasi yung inaano po nila kasi, ok na po ang 6,000 wala pong problema, ang problema po ay 6,000 ay naghati pa sila.

**Armando Rutaquio:** Yan po ay allowance lamang, hindi po yan ang talagang yung buong araw na sweldo, parang allowance lamang po yan.

**Kagawad Cris Palcoto:** Yun po ay naitanong ko lang po, para kung sakaling magtanong po ang mga magulang dito, mga tao dito na tuwing nagtrabaho po ang traffic enforcer doon ay nagtatanong kung magkano po ba ang allowance nyan, at least po nanggaling po sa inyo kung magkano ang natatanggap nilang allowance, so yung mga magulang po na nandito hindi na po sila magtatanong kung magkano po ba natatanggap na allowance niyan, yun lang po.

**Jason R. Velgado:** Magandang umaga po, sa amin po naman kasi, ngayon ay nagpag uusapan natin is more on alikabok so dumaan po ang tag ulan sa highschool, sa national highschool, naging problema po namin ay yung tubig, na nanggagaling po sa taas papunta sa kabilang building, so yun po yung isa naming naging problema, na binigyan namin ng pansamantalang solusyon, hinukayan naming ng pang samantalang kanal , ngayon nais ko pong malaman kung ano naman po ang programa para sa tumatakboong tubig pagdating ng tag-ulang.

**Engr. David Pagalilauan:** Sa ngayon po sir, sa present operation namin, actually kinocontain na po namin lahat ang tubig within po doon sa quarry namin, naglalagay po kami ng mga siltpond pero para dito sa project po na'to, sinasama pa din po doon sa study kung saan talaga tumatakbo yung mga tubig at pagdating dun, isasama po doon sa quarry design kung saan naming patatakbuhan yung tubig na hindi rin po makakaapekto sa inyo.

**Jason R. Velgado:** Nabanggit nyo po na isasama sa study niyo yung flow ng tubig, ay medyo matagal na po yata yung operation dito, nabigyan po ba ng study kung saan talaga tumatakbo yung tubig nung mga nakaraang operation? Bale wala yatang programa para dun.

**Engr. David Pagalilauan:** Yung itong area po na ito sir, yung time po na yun, nalagyan po yan pero meron yatang ibang nadaanan po yung tubig na yun, pero yun nga po yung pangyayari na to, yung nangyari nung nasama na to ngayon lalo naming pinaigting yung para doon sa present sir a, yung nangyari last year, pinaigting na po namin yung mitigating measures dun sa taas para hindi na po maulit yung nangyari po sa inyo.

**Engr. Nestor Hubac:** Sir kung may panahon ka, pumasyal ka sa quarry namin, dito sa pozzolan, ang entrance po niya, dati may rampa, ganun, ganun na po siya baliktad na, so kung may tubig man na dumadaan dito sa kanal natin galing yan sa dito sa bandang itaas, sa kalsada, sa highway, itong sa likod meron po tayong tatlong catchbasin na sumasala sa lahat ng, di ba pag tuwing umuulan may kasamang lupa lupa, dadaan muna sila doon sa 5 meters by 4 meters by 3 meters deep na siltation pond, doon po muna dadaan ang tubig at kung sakali napuno yun, ang

apaw niya wala na siyang dalang lupa, so kasama po yan sa minomonitor ng MGB bawat quarter, kasama po natin dito ang kinatawan ng brgy, kasama po natin si Ka Domeng, so lahat po sila nagmomonitor sa amin every quarter throughout the year so four times.

**Jason R. Velgado:** Sige po, kasi last time po yun po ang naging problema yung nagcoconstruct dun, yung kanilang ano nababak pa ang kanilang flooring dun tapos yun pong isang building po namin na apat na palapag dun kung napapansin nyo pag kapinasyalan ninyo yung isang side medyo nabababak na rin po yung pondasyon.

**Engr. Nestor Hubac:** Ah kung really concerns, willing naman kaming tutulong sa inyo at itong sa may kanal dito meron kaming regular na cleaning pag tag ulan, tumutulong kami sa pag huhukay ng mga naipon na lupa diyan sa school, yun lang po ang aming kontribusyon lalo na tuwing brigade eskwela.

**Jason R. Velgado:** Tuwing brigade eskwela lang po? Once a year lang po.

**Engr. Nestor Hubac:** Hindi po pag tag ulan pag naipon ang lupa dyan, tumutulong kami pero yung lupang yan hindi galing sa quarry naming pero yun, corporate social responsibility ng kompanya na bilang stakeholder din kayo, tutulong kami sa paligid namin.

**Jason R. Velgado:** Isa pa po, bilang representative naman ng mamamayan dito sa Pantay, dahil dito rin po ako nakatira, ang naging concern lang po natin yung kalsada, ngayon pano po ang mga alikabok na pumupunta sa bawat bahay hindi lang po sa eskwelahan kundi pati yung mga bahay?

**Engr. Nestor Hubac:** Yun nga po, sa akin lang pananaw mas epektibo siguro yung wawalisan na lang natin kesa didiligan natin.

**Jason R. Velgado:** Hindi naman po sa kalsada ang naging concern namin, kundi, hindi nga po kami makapagsampay ng nilabhan namin sa labas kasi parang inarmirol na pag kuha mo, pwede na pong tumayo.

**Engr. David Pagalilauan:** Yun nga po sir, alam po namin na yung alikabok, kung saan nanggagaling po yan, galing po yan sa kalsada po yung main cause po nung alikabok e galing don sa kalsada dahil doon sa mga sasakyang dumadaan. Tulad po nung nabanggit namin kanina, we are implementing some mitigating measures and dito sa project po na ito, isasama po lalo kung ano ang mas magandang gawin po namin para doon sa alikabok po na yun, inaamin po namin, contributory kami doon sa alikabok pero hindi po lahat nung alikabok na yun ay galing

dun sa operation, alam namin may kunting contribution po kami doon, ang sabi ko nga po kanina, alam po nating itong pantay buhangin road wala na tong pagkakaiba doon sa national highways po natin na napapadaan po lahat, pero ganun pa man, si Rapid City po para sa ikapagpapatuloy po nungg proyekto at pag papaunlad po kasama po kayo. Isasama po namin doon sa pag aaral mga factors na nag cacause doon sa alikabok.

**Jason R. Velgado:** Opo. Ang suggestion ko lang po, yun po bang mga truck na lumalabas bukod sa may takip, dinidilig din po ba ang ibabaw nun bago ilabas?

**Engr. David Pagalilauan:** Ah hindi po kasi sir, kasi merong requirement yung mga buyers kung gano lang, na dapat tuyo din po yung kukunin nila.

**Jason R. Velgado:** Siguro yung pinakasurface lang, bago dumating dun sa kanila, bago man lang lumabas dito sa ano, na less na yung lilipad na alikabok. Pagdating naman doon sa buyer sigurado tuyo na na yun.

**Engr. David Pagalilauan:** Sige po sir, isasama po namin, icoconsider po naming yan dun sa mitigation measures.

**Kagawad Cris Palcoto:** Isa pang katanungan pa po, kasi po dito sa may Foremost area, nag clean operate na po ang barangay diyan so nagtanggal po kami ng mga buhabuhangin at putik sa kanal, so yun po siguro pag nadaanan niyo po ulit puno na naman po ng putik at buhangin doon po sa harap ng Foremost sa kanal po. Galing po sa taas pababa po.

**Brgy. Kagawad:** Sino po ba sir ang nangangasiwa sa regular na pagtanggal ng mga lupa sa kanal na yan?

**Engr. Nestor Hubac:** Papatanggal natin yan, tutulong kami, kausapin ko si Sir Dom. Ipatanggal natin.

**Brgy. Kagawad:** Sir correction lang po kay engr, sir yung tungkol po doon sa alikabok na nabanggit nyo kanina meron lang po kaming kunting correction yung sinabi na maliit na volume, sir pasensya na po a, sa tingin namin mas malaki ang porsyento ng kontribusyon ng alikabok dun sa inyo kasi ang karga po ng truck ay laging alikabok so sa tingin ko po mas malaki ang kontribusyon ng alikabok ng inyong mga truck kesa sa alikabok ng mga dumadaan na sasakyang dito, kaya pasensya na po kung laging natatanong ang alikabok kasi ang truck po natin puro lupa ang dala-dala, tingin po namin hindi maliit na porsyento kundi malaking porsyento po ang ambag na alikabok para po doon sa mga naaapektuhan. Yun lamang po.

**Engr. David Pagalilauan:** Noted sir.

**Teresa Curbi:** Isa pong magandang umaga po. Ako po si Teresa Curbi, Bilang naninirahan po dito sa Pantay, sa katunayan po talaga, totoo po talaga yun, pag umuulan po talaga, doon po kay Mr. Sy ang mga magulang ko po ay naninirahan dun bilang isang caretaker, ang sa katunayan po talaga pag malakas talaga ang ulan, talagang giba po talaga, nabibiyak po talaga yung lupa, sa katunayan yung room dun na pinakabagong gawa, nabiyyak po talaga. Sa pangalawa po, nandito na din naman po si kapitana, During may school, sana po naman, hihingi po kami ng brgy tanod sa highschool at tsaka dito sa elementary kasi nga po pagkalabasan nga po ng mga bata wala po talagang bantay, katulad po nung isang araw may nag aaway po, may nag saksakan, bilang mamamayan ng Pantay, concern citizen lang po kami, sa katunayan kailangan may magbabantay po talagang tanod, yun lang po.

**Respondent 2:** Sir magandang umaga po, magtatanong lang po ako sa mga nandirito, sir kagaya po sa amin sa likod, di ba yung pasabog po, umaapekto dun sa may bahay namin, lahat po kami doon, ano pong magandang concern na pwede niyong iabot sa amin na tulong?

**Dominator San Diego:** Mam pag may nag bblasting po doon sa lugar ninyo, meron po tayong tinatawag na vibrometer, yung pong vibrometer na yun ay malalaman po kung standard yung blasting na tinatawag. Nagkakaroon po, halimbawa po malakas para pong lindol pero every blasting po naroon po ako, nagmomonitor, ngayon kada blasting andun po ako sa tapat ng vibrometer pag po may blasting nirerecord ko po yun, pinipicturan ko kasi po may report po ako sa DENR at sa MGB tuwing magkakaroon po kami ng Mine Rehabilitation Committee lahat po ng reklamo niyo ay dust, at kay sir yung principal po, meron po kaming kasama na isa pong principal si Mrs. Ramos po, Once po kami nagmomonitor may kasama po kaming taga health, senior citizen, principal po may kasama din kami si Mrs. Ramos, kasama po namin pag kami ay, quarterly po. Sa palagay ko po ay hindi kayo naabisuhan ng principal na yun.

**Principal Elementary:** Hello, ngayon lang po yun, magtatatlong na po ako dito. Tama po ba? Ngayon lang po yan nangyari tama po ba ako? Ngayon lang nagsama ng isang department of education sa pagmomonitor ninyo sa buong Teresa, ako po ay nagkamali?

**Engr. David Pagalilauan:** Ok, maraming salamat po Mang Domeng, Si Mang Domeng po ay part ng Multi-Partite Monitoring Team ng Rapid City so siguro nga po sir, tama nga po, na ngayon lang nagsama ng DepEd pero magiging part nap o ng MMT, siguro po quarterly, yung katanungan po ni nanay kanina kung anong tulong ang maibibigay, yun nga po pupunta din po si Mr. Rutaquio sa inyo para makita at mapag usapan ninyo kung ano ang dapat na mabigay sa inyo at kung ano dapat ang gagawin, alinsunod dun sa batas ng Social Development and

Management Program. So wag lang po nating lituhin ang sarili natin dito na dalawang project ang pinag uusapan natin, yung present project at tsaka yung future na project, yung isa pong on going at yung MPSA 345 baka magugulat kayo ano ang 345 at ang parcel. Yung MPSA 345 ito po yung pinag uusapan natin ngayon, yung case po na merong naibibigay sa ngayon, yun ang naidudulot ng kasalukuyang proyekto namin. Pero gayunpaman nagpapasalamat kami at pinaabot ninyo po kung ano ang mga concern nyo, at isasama doon sa pag aaral na gagawin doon sa future project, para po mas mapabuti namin kung ano yung mga dapat naming gawin.

**Donna Sivillia:** Ok po sir, Maraming Salamat sa concern niyo, Sir ako po ang representative ng Kapitbisig, samahan diyan sa may likod ng Pantay so nung nakaraan po na meeting natin sa brgy Dalig, pinangako nyo na po yan sa amin na sosolusyunan niyo, ngayon po nangangako na naman po kayo. Hanggang kailan po kami makakaasa na ngayon sosolusyunan niyo na?

**Engr. David Pagalilauan:** Ma'am anong isyu po yun?

**Donna Sivillia:** Kasi po nagtanong kami nung meeting sa brgy noon kayo din po sa Rapid, na paano po, nababaha na po kami sa likod, kami po talaga ang apektado sa likod, yung baha pati yung blasting na yung tunog, talagang nagccrack, nayayanig kami, hindi po ba nung nakaraan, sabi niyo sosolusyunan ninyo, tapos nabanngit po namin sa inyo napano po kung makadisgrasya ng bata, e lima po ang anak ko na nag aaral dyan syempre po safety, ngayon po na ungkat na naman yan, ang samin po hanggang kailan po at pano niyo po masosolusyunan, agad agad ba, kasi nung nakaraan po, since dec pa po yun e, sana kahit papano nakakakita na kami.

**Engr. David Pagalilauan:** Ok, actually, kung yung pagbabaha po yung tinatanong ninyo, yung solusyon kasi nung pagbabaha e kung yung ano ang gagawin naming doon sa quarry namin, para yung tubig na lalabas sa amin ay hindi na mapunta sa inyo, kaya nga sabi ni Engr. Nestor kanina, may binago na kami doon sa design nung quarry, pangalawa yung blasting, hanggang ngayon po yun yung isa, siguro ang barangay na tuwing nagbblasting kami nandian po para imonitor nila at yung sinasabi nga ni Ka Domeng kanina yung vibrometer yun yung instrumento kasi na sumusukat para makita kung gaano kalakas yung blasting, na hindi kami dapat lumampas o dapat mas mababa pa kami doon sa tolerable limits na hanggang ngayon naman po, yun ang nirereport namin palagi at yun yung nakikita nila sa vibrometer reading naka adjust na po kami, patuloy pa rin po yung blasting namin para mabawasan naming yun vibration nyo yung pag yanig. So siguro hindi lang po, medyo hindi lang po namin nagawa po sa inyo ay ireport sa inyo kung ano na ang ginagawa namin pero tulad nga ng sinasabi ni Ka Nestor, kung mapupuntahan nyo ang quarry namin, marami na po ang pagbabago doon para maaddress namin yung tubig, bago po dumating ang tag ulan naka address na po yung concern ninyo. Yung dito po sa traffic, yung isang solusyon nga yun at magiging permanent po na solution yun na alam namin na from

11 to 1, isa yung binabawal naming na magkarga o magpalabas ng truck namin sa quarry dahil yun yung busy hour at tsaka pag dating nung hapon, yung labasan at pasukan nung mga estudyante. Binabawal naman talaga naming maglabas ng mga truck namin, kasi part yun ng solusyon namin, dahil gustuhin man namin na idivert yung daanan nung truck pero ito na po yung permanenteng daanan natin, wala kaming magawang, nag iisip pa kami kung pwede kaming mag gawa ng ibang daan pero sa ngayon po, we are utilizing yung present na daan para doon sa operation po namin.

**Brgy. Captain Jhanda Sto Domingo:** Yun pong sinasabi ko po na pagyanig pag may blasting kasi meron pong mga kabahayan dito na naapektuhan na nagkakaroon ng crack ang bahay, ano po ang maaaring solusyon niyo sa ganung problema.

**Engr. David Pagalilauan:** Yun nga po mam, yung ibang naapektuhan talaga naming, noon ay nagkakaroon po ng pag uusap yun at nagkakaroon din po ng settlements sa ngayon po hanggat maari inaavoid namin ang magkaroon ng damages.

**Brgy. Captain Jhanda Sto Domingo:** So para po doon sa mga kababayan kong taga Pantay, kung nagkaroon man po ng problema tungkol doon sa pagkakaano ng inyong bahay, picturan po ninyo, kami na po ang makikipag usap sa kanila, kung ano ang gagawin nilang solusyon. Ipaabot po sa barangay.

**Respondent 3:** Ang sabi ng engr sa amin, ang daming training doon regarding sa blasting, parang may tatlong engr, sabi niyo naging minimal na wala na talagang halos maramdam an parang wala naman, parang wala naming bumalik, siguro time pa ni Casiano yun, pero ngayon bakit bumabalik ulit yung problem sa blasting na ganyan. Kasi ang tagal e, after na ni kapitana di ba? Siguro kung may problema man, manageable.

**Engr. David Pagalilauan:** Opo sir, siguro. Isa po sa pinapahatid naming, kung may problema po sa blasting yung barangay sina Mang Domeng at tsaka yung mga blaster naming, nakapaikot po doon sa mga area na may reklamo po, pagdating nung blasting kasi minomonitor po ang vibrometer kung sakaling may damage during the time of blasting, ireport nyo lang po agad, ang nangyayari po kasi, based on experience namin ang reklamo dumarating mga after 2 months, 3 months nung pagblasting so medyo questionable na po yun, yung mga nagmomonitor naman po sa vicinity nyo during blasting so hinihingi lang po naming, sabihin nyo agad kung may damage, kasi bago sila umalis dyan, tinitingan muna namin.

**Respondent 4:** Hindi biglaang pagccrack, yung unti unting pag vibrate nakakaapekto din po yun, kahit paano yung paulit ulit ay nagkakaroon din po ng epekto, hindi yung time na nagblasting

kayo on that day, may epektong agad, lets say mahina pero paunti unti umeepisko din yun, naiipon kung baga, halimbawa po yung mga tiles, pag nag vibrate pag kaano, pwede pong umangat yun. Hindi po yun magccrack ng basta basta lang, sa pader, so yung mga tiles ng flooring pwede po siyang paunti unti maapektuhan.

**Engr. David Pagalilauan:** Ok sir, noted po pero as an assurance po doon sa operation naming, kaya nga po hinihingi namin sa inyo na kung may nararamdaman kayo na mga ganun, ipagbigay alam nyo lang po, para maka adjust kami dun po sa operation po namin.

**Armando Rutaquio:** Tungkol doon sa mga pagbaha o iba pang kalamidad na dumating po diyan. Ang Rapid City ay handang tumulong, nariyan ang equipment ng Rapid City handa yan gamitin in times of calamity at yun pong nakaraang administrasyon kay barangay captain Casiano nagpropose po sya sa SDMP ng evacuation center ay hindi lang po visible kasi walang loteng pagtatayuan ng evacuation center kaya sa pamumuno po ngayon ni Kapitana Jhanda ang gusto nya ay imbes na evacuation center kasi wala pa naming lote na pagtatayuan ay yun na lang na tools and gadgets na pwedeng gamitin in times of calamities at yan po ay ifinoward na naming sa regional office for approval para palitan yung evacuation center na yun para dito sa mga tools and gadgets at approve na raw yan, kanina tumawag ako sa region, bago natin mabili yan kailangan magkaroon ng training sa disaster preparedness ang barangay at pagkatapos po ng training na yan, bibili na ang Rapid City ng kagamitan para sa mga ganyang kalamidad.

**Marieto San Buenaventura:** Ako po Si Ginoong Marieto San Buenaventura isa pong administrator ng barangay ano po, ang atin pong pinag uusapan dito ay yung bago ninyong bubuksan subalit nakakahalo na yung nag operate di po ba? Ngayon, tatlong stage ang pinag uusapan natin dito, yung development, production and rehab, dun po ako sa rehab meron na po ba kayong nakahandang programa? Open pit po kasi ito e, hindi po ba? itong kasalukuyan.

**Engr. David Pagalilauan:** Kasalukuyan pong nirereview ng MGB yung sinumbit naming na Final Mine Decommissioning and Rehabilitation Plan so yun po, yun ang programa na inimplement po namin. So ang tinitingnan po naming, ganun din po, yung susunod na project namin, gagawan din po namin ng Final Mine Rehabilitation.

**Marieto San Buenaventura:** So yun pong present operation ninyo ay hindi pa nakahanda o may nakahanda na?

**Engr. David Pagalilauan:** May nakahanda na yun sir, nirereview na ng MGB pero yung ibang portion na hindi na po namin minimina ngayon, inumpisahan na po naming irehab yan para dun sa papuntang Final Mine Rehabilitation.

**Marieto San Buenaventura:** Ang ibig niyong sabihin pwede pa din mautilize ng tao na mataniman, pwedeng maging productive pa din, agriculture.

**Engr. David Pagalilauan:** Yes sir. Yung Final Mine Rehabilitation para dun sa pinag quarryihan namin na ma utilize para sa mas productive na areas.

**Marieto San Buenaventura:** So hindi pa naman natin makikita yung stage 3, kasi kasalukuyang operational, so salamat po.

**Engr. David Pagalilauan:** Pinapauna na po namin sa inyo na pag ginawa na po naming yung Final Mine Rehabilitation ikukunsulta din po yan sa inyo po, para kukunin din po namin kung ano ang magiging suggestion nyo para doon sa Rehabilitation.

**Respondent 5:** Regarding po sa grupo, kami po ay senior citizen rin po. Ang question ko po ay in general kasi kami pong taga Teresa , hindi po kami masyadong apektado ng inyong quarrying kami po ay nandoon sa may sulok na yun sa Teresa proper ano po. Ang tanong ko po ay ano po ba ang magagawang pakinabang ng barangay dahil ang community relation po sa totoo po lamang yan po dapat ang pinapalakas ninyo para walang humadlang sa inyong pagmimina, yan po dapat talaga, yan po ang number 1 list, kailangan ang inyong community relation ay maganda kasi kung hindi e talagang kokontrahin kayo ng kokontrahin lalo na po ryan, ay syempre san ba kayo dadaan? Natural dadaanan talaga to dahil sa totoo lang wala naman tayong ibang kalsada na para sa inyo lang, natural dadaanan ito, ang inaano ko lang, ano ba ang tulong ang maibibigay ninyo sa barangay, sabihin na nating livelihood, kung anu-anong mga tulong na pwede ninyong ibigay sa barangay. Yun po lamang at napapahaba po ata ako. Ano po ba ang inyong maitutulong, ano po ba ang makukuha ng barangay sa itinatayo niyong panibagong quarrying? Kasi sa totoo lamang po , alam ko po kayo ay tumutulong nagkaroon nga po kami ng ambulansya na galing sa inyo pero yung sa tao po ang sinasabi ko hindi po sa barangay. Pero hindi isama na din natin ang barangay, ang sinasabi ko yung mga affected na mga tao, ano po ba ang ating magagawa? Gaya po ng mga sinasabi natin ng mga taong nagrereklamo rito, hindi mo kayang pilitan yan dahil mahina po ang inyong community relation sa totoo po lamang nakikita ko, ano po?

**Engr. David Pagalilauan:** Maraming salamat sa inyong observation sir, siguro sa pagkakataong yan, palalakasan namin ang aming community relations, tungkol po doon sa tulong, pareho din po kami na humuhingi sa inyo ng tulong kung ano ang pwede naming gawin. So ang kompanya po at ang batas ay nagsasabi, na ang kompanya ay dapat maglaan ng 1.5% ng operating cost niya para doon sa Social Development and Management Program pero paano po namin iimplement yun, kailangan namin kayong konsultahin ang barangay kung ano ang mga project

outside doon sa national government project na pwede naming gawin, so patuloy po ang pakikipag communicate sa inyo ng Rapid City para magawa namin yung magandang social development project para doon sa implementation ng 1.5 at hindi lang po, hindi lang po sa project ngayon hindi lang po sa iisang bagay meron pong infrastructure, merong education, merong development for cultural heritage so babalik po ang Rapid City through kay ComRel para mas mailahad ninyo kung ano ang mas magandang proyekto na pakikinabangan po lahat ng buong mamamayan yun po ang sa amin, pareho po kami humihingi rin ng tulong sa inyo at humihingi rin kayo sa amin para mas magawa natin ng mas maayos yung mga proyekto na dapat nating tutukan.

**Respondent 6:** Bale po, medyo likod na po kami ng Rapid. Sana magkaroon din po kayo ng advance information, halimbawa mag ano po kayo, kasi one time nagpapahingan nga po ako kala ko po lumilindol, e paano po kung halimbawa ako ay highblood o sakit sa puso, nagpapanic po ako, ay sir may concern pa po ako, may medyo may edad na po doon gusto ko lang po sana mag karoon ng advance information kasi dati po talaga hindi ko po alam yun, pero more than 30 years na po akong nakatira sa lugar na yun, ngayon lang po ako nakaramdam na akala ko po ay lindol e kapanahunan ko pong nagpapahinga, sabi ko ano yun ate? Lumilindol ba? Sabi ko hindi yun, dun yun sa may Rapid, nagblasting na naman sila, pano po kung may mga sakit po kami na nagulat na lang o ano, yun pa ang sanhi ng aming pagkaano, yun lang po, kasi bilang BHW din po at bilang sa tagal na din naming naninirahan dito e concern din po ako sa mga kapitbahay ko din, sana magkaroon din po ng kung ano ang magiging sanhi doon sa amin. Yun lang po. Maraming Salamat.

**Engr. David Pagalilauan:** Maraming Salamat din po. Pinapauna lang po namin na opo papalakasin po namin ang pagsabi sa inyo ng maaga pero sa ngayon po ang schedule po talaga ng blasting dito sa present operation at tsaka siguro sa susunod na bagong project napagkasunduan na po yan na tuwing sabado lang magblasting so usually 11 to 1 ng umaga tuwing Sabado yun po ang schedule ng blasting. Kinonsider kasi yan dahil walang mga bata sa eskwelahan during the blasting time so kung magbago man ng araw ng sabado yung blasting ay sasabihin po namin ng maaga.

**Alexander Alvarado:** Ako po si Alexander Alvarado sa religious sector , balik po tayo sa alikabok sa kaligtasan ng bata, yung sa alikabok maaaring may remedyo yan, total ang may ari naman ng Rapid City ay napakabait nyan nakilala ko yan nung kami ay pumunta sa Holy Land, marami ng naitutulong yan dito sa Teresa, marami lalo na sa simbahan pwede naman siguro mag donate sya ng screen mga 10 ft ang taas, kahit papano makakapigil ng alikabok yun, pangalawa po, yung kaligtasan ng bata wala man lang street walk, wala man lang pedestrian lane, yung sa may side walk yung sa ilalim noon draining canal malaki para may portion na may maalis ang takip para

makapaglinis yun lang kahit papaano makakabawas yun, yun lang, kasi may mga bata matitigas ang ulo, kung sakaling gagawin niyo, kung merong bata, sa principal po sir, pag may bata na hindi lumapit sa pedestrian lane paglilinis nyo ng kalye parang isang oras na parusa, kasi sa totoo lang, ang mga bata makukulit e, kung merong magawa ang Rapid at ang Brgy. Dalig na sidewalk. E kung wala, wala tayong magawa pero itanong niyo po kay ma'am, kilala ko yun, mabait yun. Matulungan po yun, kilala ko po yun. Yun lang po.

**Engr. David Pagalilauan:** Meron na po tayong dalawang solusyon na pwedeng iconsider, una yung pagbabasa nung karga ng truck at pangalawa yung paglalagay ng screen, so ito ang maganda na naidudulot ng ganitong pag-uusap, icoconsider po namin yung mga suggestion. Thank you.

**Alexander Alvarado:** Meron pa pong isa, nabanggit po ang truck, yung mga truck po ba natin may tangke ng tubig? Para pang linis sa gulong, wala. Kasi nung ako ay napunta sa Singapore galing sa minahan malinis, pag dating sa .. site sympre maputik doon. May panglinis sila bago sila umalis sa job site, malinis. Wag na tayong pumunta doon sa Singapore, Sa Makati nung active pa ako sa Meralco nakikita ko yung mga gumagawa ng building yung mga truck may sariling tanke ng tubig bago sila umalis ng job site, nililinis nila ang gulong kaya nakakabawas ng alikabok yun. Hindi lang sa Rapid City kailangan pati yung ibang truck na hindi lang sa Rapid City dapat obligahin kasi kawawa ang tao dito o, sabagay ako nasa sentro ako e, kaawa awa talaga, yung kalusugan ng mga bata, pwedeng gawin yan, nakakabili nga ng truck e, tangke lang maglalagay ka lang ng mga 2 drum oh paggaling sa minahan bago umalis ispray, paggaling naming sa pinaghuligan spray ulit, malinis. Walang ganung alikabok kasi pag galing kayo dyan yung gulong marumi yan e, may mga putik, may mga dumikit na putik, pag tumatakbo napupunta sa kalye yun lang po.

**Engr. David Pagalilauan:** Ok sir, thank you po.

**Elementary Principal:** Sir kung meron sir school pa , kung ano man ang pag uusapan natin, ayaw ko na pag usapan dito kasi ako po ang nakakaalam bilang punong guro, ano po? Kasi para malaman niyo kung anong side namin, ano po, bukas naman po kami pati sa secondary bukas din po.

**Engr. David Pagalilauan:** Thank you very much sir, pinapahiwatig din namin na Rapid City, bukas rin po ang Rapid City na kumuha ng inyong suggestion o ano pa man ang concern ninyo tungkol po sa quarry.

**BHW:** Sa health po ang concern namin, yun po ang concern naming, sa kabbarangay po naming, pero ok naman po kasi suportado naman po ng Rapid City po.

**Engr. David Pagalilauan:** Thank you po.

**Kagawad Cris:** Pwede po bang mag request yung sa sanggunian po at leader ng mga sector na pagka may blasting ay magpunta po sila doon kasi dito po kasi may mga paliwanag po na ganun kalakas ang blasting, e ako po pag may blasting andun po ako sa Akle, mahina po talaga, request lang po na yung bawat grupo po ay na mainvite po natin pag may blasting. Na one time lang po.

**Engr. David Pagalilauan:** Sige sir, iarrange po natin.

**Respondent 7:** Sir pwede lang po pagmagpapameeting kayo pwede po hanggang doon sa taas kay mister bravo, kung hindi ako bumaba dito kanina hindi ko din malalaman. Pakiusap lang sa mga gwapo. Thank you po.



## **ANNEX 2 – Photo Documentation**



## Registration of Participants





## Opening Prayer



## Opening Remarks



## Presentation of EIA Process



## Discussion of Project Description



## Open Forum

























### Closing Remarks





## **ANNEX 3 – Attendance Sheet**



## INFORMATION, EDUCATION AND COMMUNICATION/INITIAL PERCEPTION SURVEY

PROPOSED RAPID CITY REALTY AND DEVELOPMENT CORP. NEW QUARRY PROJECT

Site Pantay Covered Court, Barangay Dalig, Teresa, Rizal

February 21, 2019, 9:00 AM

NAME	ADDRESS/BARANGAY	CONTACT No.	ORGANIZATION	SIGNATURE
R GUTIERREZ	DALIG	560C	R GUTIERREZ	
JOSSEPH W. MBLON	CABISSA II DALIG	09060326636	BEST TRADES	
NONO GUILBERT	Maki Comm. Barig	0917435491	REG. TRADES	
KAGILITAN	Maki Comm. Dalig	0917013022	REG. TRADES	
Eddelyn Apulut	HOLY COMP. DALIG	0917570589	BEST TRADES	
Lorelyn Topion	Maki Comm. Dalig	BEST TRADES		
NEURITA CONDESA	PANTAY	09053931679	Project	
SARIBOL & PANTAY	PANTAY	09153001594	Project	
SILVAN O. LIMA	PANTAY		Project	
BRUNELLE R. RAMOS	PANTAY		Project	
Edricie O. ERICO	PANTAY	BRGY	BRGY	
VILMA AGRAVANI	PANTAY	09062884759	Project	
CEIPHA T. BARAL	PANTAY		Project	
JOEELYN TISANO	PANTAY		Project	
BARTER & TOLKAWA	CHISSA II PANTAY	0909308033	Project	
Shirley Q. Sacat	PANTAY	091755573601	Project	
JOVITO S. ALTHAS	DALIG	CK	Project	
JOINTO M. delos Santos	DALIG	PP TOPA	Project	
JACSON R. VELASCO	PANTAY	Project NAME	Project NAME	
KENNETH ALAN SAN PEDRO	DALIG	090597255059		

## INFORMATION, EDUCATION AND COMMUNICATION/INITIAL PERCEPTION SURVEY

PROPOSED RAPID CITY REALTY AND DEVELOPMENT CORP. NEW QUARRY PROJECT

Site Pantay Covered Court, Barangay Dalig, Teresa, Rizal  
February 21, 2019, 9:00 AM

NAME	ADDRESS/BARANGAY	CONTACT No.	ORGANIZATION	SIGNATURE
Engr. Soledad	B.O. Pantay Dalig			<i>Engr. Soledad</i>
No. Province AS	DALIG			<i>No. Province AS</i>
Rosel + Daff	Brgy. DALIG	09355899924	UITD SEC.	<i>Rosel + Daff</i>
Jomari Plaza	Brgy. DALIG			<i>Jomari Plaza</i>
Jouen Angeles	/	09067411117	CHIEF TANOD	<i>Jouen Angeles</i>
MELANIE PANGAN	Brgy. BULAT			<i>MELANIE PANGAN</i>
Cherry Magno	Brgy. Pantay	09288116891		<i>Cherry Magno</i>
Teresita V. Ceballos	Pantay	099744093028		<i>Teresita V. Ceballos</i>
Malice Cabahor	Pantay			<i>Malice Cabahor</i>
Edisson Mae R. Ustarbo	Corina II			<i>Edisson Mae R. Ustarbo</i>
Marijon V. Nilo	Pantay Dalig			<i>Marijon V. Nilo</i>
Maryjew N. West	Pantay Dalig			<i>Maryjew N. West</i>
Gimma I. Gabo	Pantay Dalig	091516020079	base wife	<i>Gimma I. Gabo</i>
Rita M. Marilba	Pantay	09652295870	base wife	<i>Rita M. Marilba</i>
Maribon Mangubat	Pantay			<i>Maribon Mangubat</i>
Maggie Magasse	Pantay	09358211180	base	<i>Maggie Magasse</i>
Gloria de Bitta	Pantay			<i>Gloria de Bitta</i>
Marito Sime Bucos	Pantay			<i>Marito Sime Bucos</i>
Roseline B. Play	Pantay			<i>Roseline B. Play</i>
Lala F. Narlo	Pantay	09735557815		<i>Lala F. Narlo</i>

## INFORMATION, EDUCATION AND COMMUNICATION/INITIAL PERCEPTION SURVEY

## PROPOSED RAPID CITY REALTY AND DEVELOPMENT CORP. NEW QUARRY PROJECT

Sitio Pantay Covered Court, Barangay Dalig, Teresa, Rizal

February 21, 2019, 9:00 AM

NAME	ADDRESS/BARANGAY	CONTACT No.	ORGANIZATION	SIGNATURE
Rivera, Palato	Acme Pantay	09352064227	SHRD Chairman	Project
JOSE F. JAU BULAHIBON	Dalig	09169089209	Lupon	o. Rizal
Ofelix C. Duran	Dalig	09269897585	BHW	Business
Vilma S. Alvezos	Dalig	09193101763	BHW	Office
MARIE U. BOLAGSA	Dalig	09675748170	PMI	Office
Karen C. Castilla	Bulangan	0906902523	BHW	Office
Katherine De Leon	Dalig	02063358246	PRIVEX	Office
Rhadiana B. Francisco	Dalig	097753103412	BAKU	Office
MYRAPE P. DE LEON	Dalig	09036708246	Office	Office
NETT M. AITALA	(MIO SECRETARY AREA) Pantay	091754526589	MIO SECRETARY	Pantay
Patrice Est	Pantay	091754526589	MIO SECRETARY	Pantay
Evelyn Cunanan	Bulangan	09754526589	Lupon	Lupon
FILIP ES GATREH	Che 2	09754693421	SCHE 2	Office
Hector Sablon	Che 2	09754693421	SCHE 2	Office
RONELIN DEBIVE	Che Bulangan	093671572571	MIO SECRETARY	Office
NOELITO T. DEBIVE	Dalig	09752649136	BAKU	Office
RONILU P. TUBALACO	CHE II	092224573377	MIO SECRETARY	Office
NOY JOYCE	PANTAY		TRAVEL UNO	Office
WESTER L. HABOC	Dalig Teresa Rizal	6453150	WORKER	Office
ROSA SABLON	Dalig Teresa		Business	Office

## INFORMATION, EDUCATION AND COMMUNICATION/INITIAL PERCEPTION SURVEY

PROPOSED RAPID CITY REALTY AND DEVELOPMENT CORP. NEW QUARRY PROJECT

Sitio Pantay Covered Court, Barangay Dalig, Teresa, Rizal

February 21, 2019, 9:00 AM

NAME	ADDRESS/BARANGAY	CONTACT NO.	ORGANIZATION	SIGNATURE
TERESA ARCAVIN	Sitio Pantay, Barangay TERESA	097738101537		Switchee Sade
Shane Entaller	Dalig	09364654270	Larson	X
JAY RATE	DALIG	097451880633	Banquet Regiswad	Amorico
Mariqie P. Magsino	Pantay, Teresa, Rizal	093352028319	Cloud Dev Worker	Samuel
Mayke Kevin PANTALEON	DALIG	09164503495	Brgy. Kanganud	Agapito
Liza B. Pedro	Dalig	094668740622	Brgy. Kanganud	Agapito
Mo. Ces. Pared	Dalig	09357112126	SPU Graduate	Agapito
Emillyn Jimenez	Dalig	09998843958	Partner of Agapito	Burg
Teddy Samonte	DALIG	09065572390	Team Samonte	Ornel
Alexander S. Alvarez	DALIG		Senior Chieff	
Theresa N. Zambrano	Caintab		None	Helen Zambrano
Erena S. Krilkov	Dalig		None	G
Bindis Latorre	Pantay	04059033115		Bindis Latorre
Wilfredo M. Gato	Dalig	09303887444	NGO - Regeneration Philippines	Wilfredo Gato
WILDA B. Fue	PANTAY	093666384582	SIPAD, INC	Wilfreda Fue
JESS BONJATOS	PANTAY	097384612697	WITIO SEC.	Jess Bonjatos
MIRASOL V. APLET	DALIG	09354612697	Cloud Escamante	Mirasol Aplet
Evelyn Escalante	DALIG			Evelyn Escalante
Presilda Micoller	Pantay	09503809025	House wife	Presilda Micoller
Locinda Polago	Pantay	0953455367	Business	Locinda Polago

INFORMATION: EDUCATION AND COMMUNICATION/INITIAL PERCEPTION SURVEY

NEW CHAITY PROJECT  
DECODED CITY REAITY AND DEVELOPMENT COOP.

THE INFLUENCE OF CULTURE ON LANGUAGE 117

10 JAHN, "LAUREATE IN THE FIELD"

WEDNESDAY, JULY 22, 2009 9:00 AM

NAME	ADDRESS/BARANGAY	CONTACT No.	ORGANIZATION	SIGNATURE
GILBERT M. ETTELE	CHE-2 PARLIG	0945-720-7460	BRETE KAGAWAT	<u>Gilbert M. Ettele</u>
LONIE CRISALDO	PARLIG	0967-5300569	PROSY. KAGAWAT	<u>Lonie Crisaldo</u>
JONAS A. MAMALA	Parang, Saly		Journalist	<u>Jonas A. Mamala</u>
HERMINIO M. VITULS	STID CANTILIG	09086491309		<u>Herminio M. Vituls</u>
JOVET EPONA	STID PANTAY	0917-53644	Barangay 9 SEU	<u>Jovet Epona</u>
LEA VARGAS	STID PANTAY DILIG		Chair CH124	<u>Lea Vargas</u>
PROCTOSO JESUS	PANTAY		S. C.	<u>Proctoso Jesus</u>
Janet Belando	Pantay		Volunteer	<u>Janet Belando</u>
Ann D. Cope	CHE-II Daling	0916576101	Chairperson	<u>Ann D. Cope</u>
TIYO J. HILARIO	DILIG PROPER	091655641474	DRDY SECRETARY	<u>Tiyo J. Hilario</u>
Donna Divina			Capitains	<u>Donna Divina</u>
Vera Angelica Adriana	Deling Proper	0919-91421500	SK Leader	<u>Vera Angelica Adriana</u>
Evelyn M. Borogos	Pantay	09162110670	Chairwoman	<u>Evelyn M. Borogos</u>



## **Annex F – Initial Perception Survey Report**

**RCRDC MPSA NO. 345-2010-IVA, AMENDED I PARCELS 1 AND III AREA C QUARRY PROJECT****INITIAL PERCEPTION SURVEY RESULTS**

In compliance with the provisions of DENR Administrative Order No. 2017-05 or the “Guideline on Public Participation under the Philippine Environmental Impact Statement (EIS) System”, an Initial Perception Survey was conducted on February 21 and 22, 2019.

The survey was focus on the Barangay Dalig, Municipality of Teresa, Rizal and Sitio Sumilang, Barangay San Jose, Antipolo City. A total of 49 respondents in Barangay Dalig and 76 respondents in Barangay San Jose were surveyed representing the households and the institutional leaders. Purposive sampling was used in identifying the survey respondents. Community Leaders, representatives from institutional and home owners and purok leaders, as well as random residents, were selected.

The survey questionnaire was divided into two parts: (1) Respondent’s Identification Block and (2) Awareness and General Understanding on the Proposed Project. The survey form used is attached as Annex 1.

The survey was conducted at Sitio Pantay Covered Court, Barangay Dalig, Teresa, Rizal and PCUP RPG Ville, Ondoy Village, Barangay San Jose, Antipolo City. The photo documentation of the survey is attached as Annex 2.

**1.0 Profile of Survey Respondents**

Gender. Majority of the respondents in both Barangays of Dalig and San Jose were females with 64.80% of the total 125 respondents. Male comprises 35.20% of the total respondents.

Gender	Barangay Dalig		Barangay San Jose		Total	
	No.	%	No.	%	No.	%
Male	20	40.82	24	31.58	44	35.20
Female	29	59.18	52	68.42	81	64.80
<b>Total</b>	<b>49</b>	<b>100.00</b>	<b>76</b>	<b>100.00</b>	<b>125</b>	<b>100.00</b>

## 2.0 Awareness on the Current Operation of Rapid City

The majority of the respondents (71.20%) said that they are aware of the current operation of Rapid City, while only 20% confirmed that they are not aware of the current operation. However, eleven (11) respondents or 8.80% of the total respondents refused to give an answer.

Awareness on the Current Operation	Barangay Dalig		Barangay San Jose		Total	
	No.	%	No.	%	No.	%
Aware	34	69.39	55	72.37	89	71.20
Not Aware	9	18.37	16	21.05	25	20.00
No Response	6	12.24	5	6.58	11	8.80
<b>Total</b>	<b>49</b>	<b>100.00</b>	<b>76</b>	<b>100.00</b>	<b>125</b>	<b>100.00</b>

For those who are aware of the current operation of Rapid City, almost half (48%) of the total respondents said that they have known the current operation for more than 5 years already. About 12.80% of the total respondents confirmed that are aware the current operation for less than a year, followed by 3-5 years (12%) and 1-3 years (11.20%) of knowing the current operation of RCRDC.

Years of Awareness	Barangay Dalig		Barangay San Jose		Total	
	No.	%	No.	%	No.	%
Less than 1 year	8	16.33	8	10.53	16	12.80
1-3 years	12	24.49	2	2.63	14	11.20
3-5 years	8	16.33	7	9.21	15	12.00
More than 5 years	18	36.73	42	55.26	60	48.00
No Response	3	6.12	17	22.37	20	16.00
<b>Total</b>	<b>49</b>	<b>100.00</b>	<b>76</b>	<b>100.00</b>	<b>125</b>	<b>100.00</b>

## 3.0 Awareness and Acceptability of the Proposed Project

The majority of the respondents (59.20%) said that they are aware of the proposed project of Rapid City, while 30.40% confirmed that they are not yet aware of the proposed project. About 10.40% of the respondents refused to give an answer.

Awareness on the Proposed Project	Barangay Dalig		Barangay San Jose		Total	
	No.	%	No.	%	No.	%
Aware	34	69.39	40	52.63	89	59.20
Not Aware	9	18.37	29	38.16	25	30.40
No Response	6	12.24	7	9.21	11	10.40
<b>Total</b>	<b>49</b>	<b>100.00</b>	<b>76</b>	<b>100.00</b>	<b>125</b>	<b>100.00</b>

For those who were aware of the proposed project, most of the information sources were from the Information, Education, and Communication (IEC) activity (26.75%). The proposed project also known to the respondents through Government/Barangay Officials (21.66%), followed by the Official/Employee of Rapid City as a source of information (13.38%). About 6.37% of the respondents confirmed that they have known the proposed project through the Barangay Meetings/Consultations (6.37%) and neighbors (5.73%). Some sources mentioned were through the Members of the Family/Relatives and Parish Priest with 3.18% and 0.64%, respectively.

SOURCES OF INFORMATION	Barangay Dalig		Barangay San Jose		Total	
	No.*	%	No.	%	No.	%
Radio/TV/Local Newspaper	0	0.00	0	0.00	0	0.00
Parish Priest	0	0.00	1	1.09	1	0.64
Member of the Family / Relatives	0	0.00	5	5.43	5	3.18
Neighbors	2	3.08	7	7.61	9	5.73
Government/ Barangay Officials	16	24.62	18	19.57	34	21.66
Official/ Employee of Rapid City	11	16.92	10	10.87	21	13.38
IEC	23	35.38	19	20.65	42	26.75
Barangay Meetings/ Consultations	5	7.69	5	5.43	10	6.37
Others	0	0.00	5	5.43	5	3.18
No Response	8	12.31	22	23.91	30	19.11
<b>Total</b>	<b>65</b>	<b>100.00</b>	<b>92</b>	<b>100.00</b>	<b>157</b>	<b>100.00</b>

\*Multiple Responses

The respondents were asked on the perceived benefits on the proposed project of RCRDC. Various responses are presented in the matrices below.

Assistance to Barangay/Municipal Projects (26.69%) got the highest percentage on the perceived benefits of the proposed project. About 17.80% of the respondents who confirmed that Medical Mission is one of the benefits that the community will acquire from the proposed project. This was followed by Employment (15.25%), Scholarship (12.29%), Additional Income (8.47%) and Livelihood Opportunities (8.05%). Respondents also expressed that Skills Training (6.78%) for the direct impact community will also be one of the benefits they will get from the proposed project.

Benefits from the Proposed Project	Barangay Dalig		Barangay San Jose		Total	
	No.*	%	No.	%	No.	%
Employment	16	15.09	20	12.42	36	15.25
Additional Income	5	4.72	15	9.32	20	8.47
Livelihood Opportunities	4	3.77	15	9.32	19	8.05
Assistance to Barangay/Municipal Projects	28	26.42	35	21.74	63	26.69
Scholarship	13	12.26	16	9.94	29	12.29
Medical Mission	24	22.64	18	11.18	42	17.80
Skills Training	4	3.77	12	7.45	16	6.78
Others	4	3.77	7	4.35	11	4.66
No Response	8	7.55	23	14.29	31	11.61
<b>Total</b>	<b>98</b>	<b>100.00</b>	<b>138</b>	<b>100.00</b>	<b>236</b>	<b>100.00</b>

\*Multiple Responses

Moreover, the respondents were asked about the effects of the proposed project on the daily life of the community. Looking into the details, the table below presents specific answer of the respondents on the possible effects of the project.

Some of the respondents have neutral response pertaining to the proposed project; they said that the project has its benefits and also disadvantages most especially to the affected areas. They also suggested that the community relations should strengthen for the betterment of the relationship between the proponent and the community.

Respondents also shared their previous negative experience from RCRDC's existing operation that involves some of the resident's animals that were being stressed out and then later on died because of blasting. Some of the respondents also expressed that their home appliances were being damaged due to the impact of blasting.

Effects	Details
<b>Positive</b>	Additional Barangay Income / Employment / Support
	Additional Livelihood Opportunities
	Additional food from several sources
	Additional Skills Training for the community
	The project must be in order and it must be conducted in a rightful way to prevent any inconveniences to the people and community
	It will help the residents but the company needs to undertake any concerns from the community
	The project will bring progress and improvement to the community
<b>Negative</b>	Noise coming from the dump trucks that can affect the school classes
	Blasting will generate cracks on the house's flooring and walls. It will also cause fear to the residents near the quarry site most especially the children
	The increase of trucks passing by that can be dangerous for the children and it can be an addition to the disturbance within the school premises
	Road destruction
	Water shortage
	The communities do not have an assurance for the resident's safety with regards to the proposed project; there will be hazards for the people living near the quarry area.
	The proposed project can affect the health of the residents. The immune system will weaken and the community will be exposed to any lung problems most especially young people
	The proposed project will cause inconveniency to the residents

On the other hand, the respondents were also asked about the effects of the proposed project on the environment. The table below presents specific answer of the respondents on the possible effects of the proposed project.

Some of the participants expressed that the effect of the proposed project has advantages and disadvantages to the environment. It was highly suggested by respondents to properly inform the community to any activities to be performed by the company to prevent any accidents. Participants also shared that the environment will be disturbed and so precautionary measures should be implemented wisely.

Moreover, some of the respondents said that they were not yet sure about the impact of the proposed project to the environment, while some of the participants do not see any effects of the project when it comes to environment. Nevertheless, participants mentioned that restoration and rehabilitation must be conducted properly and that the company should abide the laws all throughout the operation.

Effects	Details
Positive	The environment will be affected but through coordination and with the help of the proponent, any issues will be solved
	The project will affect all the aspects especially the environment, but because of the coordination between the proponent and community and also because of IEC, definitely there would be a good impact in the community
	The proposed project seems to be good for the betterment of the environment
	The environment will not be affected if RCRDC will follow the right process
Negative	Continuous increase of dust
	There would be environmental hazards for the affected areas such as flashflood and landslide
	The project may dry out the soil for planting
	It will change the ecological system of the environment because of the destruction on surroundings.
	The proposed project may diminish the trees that are protecting the water system.
	It can be destruction to the environment if the company will not be responsible in mining.
	Farm lands can be affected because of the proposed project and it will cause loss of income to the residents

Furthermore, the respondent's perceptions pertaining to the proposed project of RCRDC were also asked. Majority of the respondents (33.57%) or 48 said that the proposed project will be a big help to the community and to the residents of both barangays. There were 25.17% of the respondents who said that the proposed project will somehow help their community, however 11.19% of the respondents who perceived that the proposed project will be harmful to the community. In addition, 4.90% said that the proposed project will not be helpful for the community, while 25.17% or 36 of the respondents refused to give an answer.

Respondent's Perception on the Proposed Project	Barangay Dalig		Barangay San Jose		Total	
	No.	%	No.	%	No.	%
The proposed project will be a big help to the community and the residents	27	50.00	21	23.60	48	33.57
The proposed project somehow help the community	13	24.07	23	25.84	36	25.17
The proposed project will not be helpful for the community	3	5.56	4	4.49	7	4.90
The proposed project will be harmful to the community	2	3.70	14	15.73	16	11.19
No Response	9	16.67	27	30.34	36	25.17
<b>Total</b>	<b>54</b>	<b>100.00</b>	<b>76</b>	<b>100.00</b>	<b>143</b>	<b>100.00</b>

- End -



## **ANNEX 1: PERCEPTION SURVEY FORM**

**PERCEPTION SURVEY FORM  
FOR THE PREPARATION OF THE  
ENVIRONMENTAL IMPACT STATEMENT (EIS)  
RCRDC MPSA 345-2010-IVA, AMENDED I PARCELS 1 AND 3 QUARRY PROJECT  
RAPID CITY REALTY AND DEVELOPMENT CORPORATION**

Pakisagot pong LAHAT ang mga katanungan na ayon sa sariling pang-unawa at desisyon ng ini-interbiyu. Pakisulat sa mga espasyo ang mga kinakailangang impormasyon at pakibilugan lamang ang mga numero na nagsasaad ng kasagutan sa mga ilang katanungan. Ang sasagot po sa mga katanungan ay ang pinaka pinuno ng pamilya o bahay o ang kanyang asawa.

**A. RESPONDENT'S IDENTIFICATION BLOCK**

1. Pangalan ng ini-interbiyu: \_\_\_\_\_  
(First Name) (Middle Name) (Last Name)
2. Tirahan: \_\_\_\_\_  
(Zone/Street/Sitios/Purok) (Barangay) (Municipality/City)
3. Ethnic Origin: \_\_\_\_\_
4. Household Head: 1 = Yes 2 = If not, relationship to household head \_\_\_\_\_

**PART 1. Initial Perception Survey**

**B. AWARENESS and GENERAL UNDERSTANDING ON THE PROPOSED PROJECT**

1. Alam niyo po ba ang kasalukuyang operasyon ng Rapid City Realty and Development Corporation sa inyong lugar?

1 = Oo 2 = Hindi

2. Kung oo, gaano mo na katagal alam ang proyekto?

1 = Less than 1 year 2 = 1-3 years 3 = 3-5 years 4 = more than 5 years

3. Alam niyo po ba ang tungkol sa binabalak na bagong proyekto ng Rapid?

1 = Oo 2 = Hindi

4. Kung oo, paano ninyo nalaman ang tungkol sa binabalak ng proyekto?

- 1 = Radyo
- 2 = Telebisyon
- 3 = Mula sa Pari ng Parokya
- 4 = Mula sa Miyembro ng Pamilya o Kasambahay
- 5 = Mula sa Kapitbahay
- 6 = Mula sa Opisyal ng Barangay ng Munisipyo
- 7 = Mula sa Empleyado ng Proyekto
- 8 = Napag-alaman mula sa IEC activity
- 9 = Konsultasyon mula sa Barangay O Munisipyo
- 10 = Iba pa, pakisaad: \_\_\_\_\_

5. Anu-anong benepisyo ng binabalak na proyekto?

- 1 = Trabajo
- 2 = Karagdagang kita
- 3 = Oportunidad sa negosyo
- 4 = Assistance sa proyekto ng barangay at munisipyo
- 5 = Scholarship
- 6 = Medical mission
- 7 = Skills training
- 8 = Iba pa\_\_\_\_\_

6. Ano sa tingin mo ang epekto ng binabalak na proyekto sa iyong pang-araw-araw na pamumuhay?

---

---

---

---

7. Ano sa tingin mo ang epekto ng binabalak na proyekto sa kapaligiran?

---

---

---

---

8. Base sa inyong pang-unawa, ang binabalak na proyekto ay .....

- 1 = makakatulong ng malaki sa komunidad at sa mga residente nito
- 2 = makakatulong ng bahagya
- 3 = walang maitulong para sa komunidad
- 4 = makakasama sa komunidad



## **ANNEX 2: PHOTO DOCUMENTATION**

**Barangay Dalig  
Initial Perception Survey**



**Venue of the activity**

**Participants answering the Initial Perception Survey**





**Barangay San Jose  
Initial Perception Survey**



**Participants answering the Initial Perception Survey**



