

**APPLICATION FOR MINOR MODIFICATION TO OPERATING PERMIT
CENTER HILL MINE EXTENSION AREA
SUMTER COUNTY, FLORIDA
FOR
CEMEX CONSTRUCTION MATERIALS FLORIDA, LLC.
CUP 2006-003**



Prepared by:

THE COLINAS GROUP, INC.
Engineering and Environmental Consultants
Lakeland, Florida

Job No. S-262A

Sumter County
Division of Planning & Development
209 North Florida Street
Bushnell, FL 33513

March 1, 2011

Attention: Ms. Aimee Webb
Development Review Committee

Re: Application for Minor Modification of Operating Permit OP 2006-0003
Center Hill Mine Extension
Sumter County, Florida
For Florida Crushed Stone Company

Dear Ms. Webb:

Per a conference call held June 8, 2010, which included representatives from the Florida Department of Environmental Protection (FDEP), The Southwest Florida Water Management District (SWFWMD), Sumter County, Cemex and The Colinas Group, we are pleased to submit the attached supporting information for a minor modification of the Cemex Construction Materials Florida, LLC., (Cemex) Center Hill Mine Operating Permit OP2006-0003.

We are proposing to eliminate Quarry A and enlarge Quarries B-1 and B-2 as a replacement for Quarry A. The reasons for proposing to eliminate the formerly proposed Quarry A are twofold. First, proposed Quarry A has a long quarry wall paralleling the Hydraulic Barrier Ditch (HBD). There is concern that the dewatering discharge placed into the HBD will "short-circuit" back to Quarry A rather than recharging into the Floridan aquifer, as planned. Second, elimination of proposed Quarry A will eliminate the need for a Quarry A key cut. Blasting effects of a key cut are more pronounced than occurs during the normal quarrying operations.

Although Cemex is requesting to modify the quarry lake configuration, no additional lands outside of the existing, permitted footprint authorized by the existing Conditional Use Permit, nor the existing Operating Permit are proposed to be added. This minor modification is simply to change the existing and approved quarries to create a more efficient operating plan for the minable portions of the property.

Thank you for the opportunity to submit for this minor modification application. In the meantime, if you have any questions, please call.

Yours very truly,

THE COLINAS GROUP, INC.

ENGINEERING AND ENVIRONMENTAL CONSULTANTS

Mark R. Stephens, P.G., P.E.

Principal Consultant

One (2) hard copy submitted

One (1) electronic copy submitted

attachments

cc: Mr. James Morris - Cemex Construction Materials Florida, LLC.

Mr. Tommie Deaner - Cemex Construction Materials Florida, LLC.

Mr. Roger Sims - Holland & Knight, LLP.

**APPLICATION FOR MINOR MODIFICATION TO OPERATING PERMIT
SUPPLEMENTAL INFORMATION
CENTER HILL MINE
SUMTER COUNTY, FLORIDA
FOR
FLORIDA CRUSHED STONE COMPANY**

PROFESSIONAL ENGINEER CERTIFICATION

I, Mark R. Stephens, PE# 36179, certify that I currently hold an active license in the state of Florida and am competent through education or experience to provide engineering services in the civil engineering discipline contained in this plan, print, specification, or report. I further certify that this plan, print, specification, or report were prepared by me or under my responsible charge as defined in Chapter 61G15-18.001, F.A.C. Moreover, if offered by a corporation, partnership, or through a fictitious name, I certify that the company offering the engineering services, The Colinas Group, Inc., holds an active certificate of authorization (No. 7934) to provide the engineering service.

_____ Date: _____

Mark R. Stephens, P.G., P.E.

Florida P.E. License No. 36179

Engineering Business No. EB-0007934

The Colinas Group, Inc.

2031 East Edgewood Drive, Suite 5

Lakeland, FL 33803-3601

Phone (863) 669-9141

**APPLICATION
MINOR MODIFICATION
OPERATING PERMIT OP 2006-003
CENTER HILL MINE
SUMTER COUNTY, FLORIDA
FOR
CEMEX CONSTRUCTION MATERIALS FLORIDA, LLC.**

The following information is provided as required in the application for Operating Permit. The requirement is stated followed by the required information (**in bold**).

1. Name, address, email address, and telephone number of property owner(s) of record.

**Cemex Construction Materials Florida, LLC.
1501 Belvedere Road
West Palm Beach, Florida 33406**

2. Name, address and telephone No. of record property owner's agent or representative, if any.

**James P. Morris - Regional Environmental Manager
Cemex Construction Materials Florida, LLC.
11430 Camp Mine Road
Brooksville, Florida 34601**

(352) 796-3522 Office (352) 303 -3563 Mobile jpmorris@cemexusa.com

3. Name, address, email address, telephone number, and federal employer identification number of the conditional use operator, or person or corporation, other than the property owner, who will physically develop and/or operate the property. If the operator is a corporation, the application shall identify all officers, directors, and in the case of a non-publicly traded corporation, a list of all shareholders. If the applicant is a subsidiary corporation, then the parent tract corporation shall also be identified along with the officers and directors of all corporations involved. In the case of limited partnership, all general and limited partners shall be revealed. Attachments to the application form may be used.

**James P. Morris -Regional Environmental Manager
Cemex Construction Materials Florida, LLC.
11430 Camp Mine Road
Brooksville, Florida 34601**

(352) 796-3522 Office (352) 303 -3563 Mobile jpmorris@cemexusa.com

Federal ID No. 263068068

Cemex's Corporate ownership information for this operation is attached in Appendix A.

4. Legal description of parcel, as shown in the public records of Sumter County, Florida, for which an operating permit requested, and street address if known.

The legal description for the Center Hill Limerock Mine is as follows:

Section 16, Township 21S, Range 23E

All of Section 16

Section 17, Township 21S, Range 23E

E 1/4 of Section 17

Section 20, Township 21S, Range 23E

NE 1/4 of NE 1/4 of Section 20

Section 21, Township 21S, Range 23E

E 3/4 of N 1/4, less E 1/2 of SE 1/4 of NW 1/4 of NE 1/4 and NE 1/4 of NE 1/4, less W 1/2 of SW 1/4 of NE 1/4 of NE 1/4 that lies south and west of abandoned Seaboard Coast Line railroad R/W of Section 21

Sections 16 and 21, Township 21S, Range 23E

All that part of Sections 16 and 21, Township 21 South, Range 23 East, Sumter County, Florida, described as follows:

Commencing at the South quarter corner of Section 16; thence East 438 feet along the South Section line of said Section 16 to the Point of Beginning; thence North 1320 feet to the North line of the South 1/4 of Section 16; thence East 65 feet along the North boundary line of said South 1/4 to the Westerly boundary of SAL Railway right-of-way line; thence South 21^B 30' East 2265 feet along the former Westerly SAL right-of-way line; thence West 322 feet; thence South 512 feet to the North right-of-way line of S.R. 48; thence West 576 feet along said North road right-of-way line; thence north 1300 feet to the Point of Beginning, all being part of Section 16 and 21, Township 21 South, Range 23 East, Sumter County, Florida.

The street address is:

530 West Kings Highway (Highway 48 West) Center Hill, Florida 33514

5. General location and directions to property from Sumter County Courthouse.

The property is west of the City of Center Hill on the north side of State Road 48 (SR 48). The location of the property is shown on attached Figure 1.

6. Present zoning of property for which the operating permit is requested.

The present zoning and existing character of the property is agricultural (AG), with Conditional Use Approval (CUP) No. C2006-0003 for mining.

7. Signature of applicant (Must be owner(s) of record or agent with written authorization. Evidence of ownership may be required and an applicant shall have written consent of all owners of record).

The agent for Cemex Construction Materials Florida, LLC. is Mr. James P. Morris, Regional Environmental Manager. A Letter of Authorization for Mr. Morris is attached in Appendix B.



Owner or Agent



Date Submitted

SUPPLEMENTAL INFORMATION

The following information is provided as required in Appendix A of the Sumter County Land Development Code - Application Requirements for Operating Permit. The requirement is stated followed by the required information (**in bold**).

A. 3.4. Operating permit.

A. 3.4.1. Application form and fee.

- (a) **Application form.** An application form, supplied by the department, containing the following information furnished by the applicant, shall be submitted for an operating permit:

- (1) Name, address and telephone No. of property owner of record.

See application form

- (2) Name, address, telephone No. and federal employer identification number of the conditional use operator, or person or corporation, other than the property owner, who will physically develop and/or operate the property. If the operator is a corporation, the application shall identify all officers, directors, and, in the case of a non publicly traded corporation, a list of all shareholders. If the applicant is a subsidiary corporation, then the parent corporation shall also be identified along with the officers and directors of all corporations involved. In the case of a limited partnership, all general and limited partners should be revealed. Attachments to the application form may be used.

See application form

- (3) Legal description of parcel for which an operating permit is requested, as shown in the public records of Sumter County, and the land area, and street address if known.

See application form

- (4) General location and directions to property from Sumter County Courthouse.

See application form

- (5) Present zoning of property for which the operating permit is requested.

See application form

- (6) Signature of applicant (Must be owner of record or agent with written authorization. Evidence of ownership may be required and an applicant shall have written consent of all owners of record).

See application form

- (b) Application fee. An application fee, in the amount established in Appendix B of this chapter, shall be submitted with each plan required.

The Application fee of \$3,000.00 is attached.

A.3.4.2. Operating plan. The following materials shall be submitted for operating permit approval.

- (a) Operating plan. The operating plan, to scale, suitable for presentation, shall specifically depict the combined existing site conditions and proposed features of the conditional use including, but not necessarily limited to, the following:

- (1) Plan preparation.

- a. The plan shall be prepared and sealed by an engineer.
- b. Plans shall be light background prints or sets of prints twenty-four (24) inches by thirty-six (36) inches. If necessary, more than one sheet may be used provided a key map is shown to relate each sheet to the entire development.
- c. The number of plans or sets of plans submitted shall be as follows:
 1. One (1) at time of submission.
 2. Ten (10) additional upon determination of completeness and at least seven (7) days prior to scheduled hearing before the reviewing authority.

One (1) hard copy and one (1) electronic copy of the drawings are attached. Additional copies will be provided upon request.

- (2) Contents of plan.

- a. Identify the project by supplying a title block, placed in the lower right corner or along the right border of the sheet, providing the following information:

1. Proposed conditional use name. The name is to be preceded by the words "A Operating Plan of _____".
2. Property location. The section, township and range in which

the property is located shall be given.

3. Identification of persons involved. The name, address and telephone number of the property owner, operator, engineer and land surveyor shall be given.
4. Dates. A space shall be provided for the date of plan preparation and subsequent plan revisions.
5. Street address. Any street address assigned to the property shall be given.

See attached drawings

- b. Show existing conditions and proposed development on a plan of the property boundaries consistent with the boundary survey. Such plan shall be drawn to a scale of not less than one (1) inch = one-hundred (100) feet, unless otherwise approved by the development review board, with north oriented to the top or left edge of the sheet. The drawing shall clearly show or describe, but is not necessarily limited to, the following:
 1. For mining and construction and demolition debris landfills.
 - a) Topographic information of the property, shown in broken lines, prepared by a surveyor or engineer, including the following features:
 - 1) Existing land contours, on NGV datum, shown at intervals of not more than 5 feet. The plan shall be of an area sufficient to show the proposed developments relationship to its watershed. Data from the U.S.G.S. topographic survey, or other agencies work, may be used.
 - 2) Existing buildings and other structures on the property. For those that will remain, furnish outside dimensions, type of construction and present use. If structure is to be removed, so note.

- 3) Above and below ground utility lines that may be impacted by mining or landfill activities. Indicate location, type and size.
- 4) Natural or man made land features such as bodies of water, water courses, drainage channels, wooded areas, streams, lakes, wetlands and any other physical conditions affecting the site, or to be affected by mining or landfilling. Show the high water line of lakes and wetlands and other environmental areas which would be affected by these activities.

See attached drawings

- b) Proposed improvements. All proposed features to be constructed by the developer, or resulting from the mining or landfill activity, are to be shown, such as:
 - 1) Excavation plan identifying each mine or landfill cell and giving date of each cell opening and closing, with pertinent signing and remarks.
 - 2) Stormwater management plan showing the general grading/drainage plan of the entire area to be developed, including, but not limited to, the following:
 - Future drainage pattern indicated by directional arrows and resultant drainage basins or watershed boundaries. The plan shall show any drainage areas off site that affect the project or that are affected by the project and show locations of routes of off-site waters onto, through, or around the project.
 - Facilities for collection, treatment, retention and detention of stormwater.
 - Erosion and sedimentation control plan describing the type and location of control measures, the stage of development at which they are to be put in place or used, and maintenance provisions.
 - Off-site rights-of-way required for proper functioning of drainage plan. Include statement as to the nature of the r/w reservation.

- The entity or agency to be responsible for operation and maintenance of the stormwater management system.

Proposed improvements, as required above, are shown on the attached drawings. The stormwater management plan is included in the Environmental Resource Permit No. 211510-008 attached in Appendix C.

- 3) Location, size and use of proposed buildings, other structures and material storage areas and stationary material handling equipment. Show setbacks and separations, as appropriate, from:

- Project boundary lines.
- Centerlines of rivers, streams and canals.
- High water line of bodies of water.
- Wetlands and other environmental areas.
- Other man-made or natural features which would be affected by development encroachment.

Material storage areas, project boundaries, the Jumper Creek center line, design water levels for quarries, and wetlands are shown on the attached drawings. No changes are proposed for existing buildings. No other material changes are planned for stationary material handling equipment.

- 4) Proposed utility services, showing location and size of:

- Facilities for source, treatment and distribution of potable water.
- Facilities for collection, treatment and effluent disposal of sanitary sewer waste. Indicate type of treatment to be used.

No changes are proposed for existing utility services (on-site potable wells and septic tanks).

- 5) Non-hazardous solid waste management plan and facilities.

No additional non-hazardous solid waste will be generated by modification. Non-hazardous solid waste will be stored in secure, temporary storage containers and removed off site for proper disposal.

- 6) Pollutant management devices or facilities.

The Center Hill Mine utilizes a Best Management Practices Plan (BMP Plan). The purpose of the BMP Plan is to describe and implement practices to prevent or minimize the potential for the release of pollutants to waters of the State from ancillary activities, including material storage areas, plant site runoff, in-plant transfer, process and material handling areas, and loading and unloading operations through plant site runoff, spillage or leaks, or drainage from raw material storage. The facility has developed and operates under a Spill Prevention Control and Countermeasures Plan (SPCC Plan) that identifies pollutant control devices and facilities on the site. The purpose of this SPCC Plan is to prevent oil spills from occurring, and to perform safe, efficient and timely response in the event of a spill or leak.

- 7) Proposed buffer plan.

Screening and buffering will continue to be accomplished using the existing visual berm. The berm was be constructed with soil obtained from removal of overburden from Quarry B-1 and the hydraulic barrier ditch. The approximate 15-foot high berm has been vegetated and was be constructed at the location shown on the attached drawings. The visual berm was constructed in its entirety while overburden was being stripped from Quarry B-1.

- c) Scale of drawing and north arrow shall be provided. The plan shall also contain a legend for abbreviations and symbols used in the drawing and notes where needed for clarification.

The scale of the drawing and north arrow are provided along with a legend of abbreviations and symbols used in the drawings.

- d) Tabulated development summary information such as:
 - 1) Total acreage of the mine or landfill.
 - 2) Total acreage of mine or landfill cells.

The total acreages of the mine are contained on the attached drawings.

- (b) Supporting materials. In addition to the information required on the operating plan, the following shall be submitted:

(1) General.

- a. A boundary survey, with complete legal description of property, certified by a surveyor or engineer. Boundary lines of the entire development tract shall be clearly indicated. Ties to government corners or other recorded monumentation shall be shown.

A boundary survey with a complete legal description of the property, certified by a surveyor, was included with the application approved for the existing Operating Permit 2006-003. No changes to the boundary survey will be realized as a result of this minor modification of the quarry lakes configuration. This minor modification to the quarry lakes configuration will remain within the existing Conditional Use and Operating Permit “footprint”.

- b. A written description of the overall operating plan with sufficient data to enable determination of the specific nature and extent of the operation and its compliance with appropriate sections of this chapter. This shall address short and long term plans for the activity.

The Center Hill Mine is on Highway 48 West in Sumter County, Florida in Sections 16, 17, 20, and 21, Township 21 South, Range 23 East. The facility’s physical address is 530 West Kings Highway (Highway 48 West), Center Hill, Florida 33514. The Center Hill Mine is a limerock mining and processing facility. The mine produces limerock primarily for construction, road base, and clean fill uses. The normal hours of operation are 4:00 AM to 5:00 PM, six days per week. The operational hours may vary depending on market conditions.

After removal and stockpiling of vegetative cover, topsoil and overburden (for later use in the reclamation process), the limestone is fractured using blasting techniques and excavated using an electrically powered dragline. The active quarry is partially dewatered during this process. The excavated limestone is crushed, sorted according to size, and transferred to a conveyor belt for stockpiling. The product is loaded into trucks for delivery. The trucks are weighed at a scale house before departure.

This application package is for a minor modification of existing Operating Permit OP 2006-0003 in order to change the quarry layouts. Cemex Construction Materials Florida, LLC. is proposing to eliminate Quarry A and enlarge Quarries B-1 and B-2 as a replacement for Quarry A. The reasons for proposing to eliminate the formerly proposed Quarry A are twofold. First, proposed Quarry A has a long quarry wall paralleling the Hydraulic Barrier Ditch (HBD). There is concern that the de-watering discharge placed into the HBD will “short-circuit” back to Quarry A rather than recharging into the Floridan aquifer, as planned. Second, elimination of proposed Quarry A will eliminate the need for a Quarry A key cut. Blasting effects of a key cut are more pronounced than occurs during the normal quarrying operations. Key cut blasting along a quarry wall paralleling the HBD offers some safety concerns because of the potential for causing direct water conduits from the HBD to the quarry.

The active Operating Permit 2006-003 authorizes Quarry B-1 (51 acres), Quarry B-2 (51 acres), and Quarry A (50 acres) in the southern portion of the property. The project proposes to extend Quarries B-1 (89 acres) and B-2 (85 acres) toward Quarry A making two larger pits and eliminating the third pit (Quarry A). The modification does increase the extraction area by 22 acres but does not expand the permitted mine limits. There are no new wetland impacts proposed by this modification. Limestone from the Ocala limestone formation will continue to be mined using the methodology consistent with the current mining practices at the Center Hill Mine. The phasing will be two quarries: Quarry B-1 and Quarry B-2, as shown on Figure 2. Quarry B-1 will be mined first. Quarry B-2 will be mined second.

All proposed improvements are detailed on the attached drawings.

Specific details regarding facilities for collection, treatment, retention and detention of stormwater are detailed in the attached Environmental Resource Permit in Appendix C, the SWFWMD Water Use Permit modification application attached in Appendix D, as well as the attached drawings.

Cemex conducts the de-watering operations for the active quarry under Southwest Florida Water Management District Permit #20000213.009. Water withdrawn from the active quarry is re-circulated from the active quarry into inactive quarries that act as recharge ponds. The re-circulation water recharges into the upper Floridan aquifer. Recharge barriers will be used between the active quarry and the property boundary to ensure minimal or no drawdown impacts offsite. These recharge barriers will be as follows.

- **Inactive Quarries - De-watering discharge will be routed through inactive West Quarry II, West Quarry I, South Quarry, East Quarry, North Quarry to maintain the existing recharge boundaries to the north and east.**
- **Hydraulic Barrier Ditch (HBD) - The HBD will be used between active quarry and the property boundaries to prevent off-site drawdown. The HBD will be used to route the de-watering discharge from the active quarry to inactive quarries for recharge to the upper Floridan aquifer. The HBD location and de-watering discharge routing are shown on the attached drawings.**

Details regarding off-site and future drainage patterns were detailed as part of the original permit application for existing Operating Permit OP2006-0003. No changes to off-site drainage patterns will be realized as a result of this minor modification. Only very minor changes to future drainage patterns will be realized as a result of this minor modification. Please see the attached drawings for post mining land use, as well as the attached run-off calculations.

Table 1 contains the total acres to be mined, acreage of actual quarries, acreage of existing and proposed water bodies, and the sequence of mining operations. Each of Quarries B-1, and B-2 will be mined over a five to ten year time period, depending on market conditions.

TABLE 1

QUARRY	TOTAL ACRES TO BE MINED	PERMITTED ACREAGE OF QUARRIES PER EXISTING OP 2006-003	ACREAGE OF EXISTING/ PROPOSED WATER BODIES	SEQUENCE OF MINING
West Quarry II	91 +/-	91 +/-	91 +/- (existing)	Completed
West Quarry I	Completed	51 +/-	51 +/- (existing)	Completed
North Quarry	Completed	26 +/-	18 +/- (existing)	Completed
South Quarry	Completed	57 +/-	57 +/- (existing)	Completed
East Quarry	Completed	44 +/-	44 +/- (existing)	Completed
Quarry B-1	89 +/-	51 +/-	89 +/- (proposed)	Currently being mined
Quarry B-2	85 +/-	51 +/-	85 +/- (proposed)	To be mined second

Note: all acreages are approximate as measured from aerial photography.

Quarry B-1 is currently being mined. Overburden is be stripped to the top of limestone. A portion of the overburden soil was used for construction of the visual berm. The remaining overburden is being stockpiled at locations shown on Figure 2 for use in future quarry reclamation. Overall, after stripping, limestone in small sections is loosened using blasting techniques, then removed using a dragline. The dragline stockpiles the limestone on the quarry floor. Front end loaders move the stockpiled limestone to a crusher located on the quarry floor for crushing. A conveyor moves the crushed limestone to the surface to the existing conveyor system and from there to surface stockpiling for loading onto commercial trucks. No changes are planned for the surface stockpiling and loadout areas.

After the overburden is stripped, a rim ditch is excavated to the total mine depth using a dragline. A de-watering pump is placed into the rim ditch and is used to begin dewatering. Ground water levels in the quarry are lowered to approximately 25 feet NGVD. Dewatering discharge is placed into the hydraulic barrier ditch for recharge back into the limestone. The layout of the rim ditch, de-watering pump, and hydraulic barrier ditch is shown on the attached drawings.

Mining will proceed as shown on the attached drawings. Using a mining rate of approximately 10 acres per year, depending on market conditions, Quarry B-1 will be mined in five to seven phases.

Reclamation scheduling will be accomplished in accordance with the requirements of Section 62c-39.008, Reclamation Standards, Florida Administrative Code. Reclamation activities will

commence upon completion of mining activities. The mine will be reclaimed as lakes. Figure 2 and Figure 3 show a post mining cross section and post reclamation land use. No manmade structures, facilities, or equipment will be left on the property. No on-site waste disposal, including locations of any junk, debris, cables or other structural or mechanical items will be disposed of in the property.

At completion of mining, the property will consist of reclaimed mine lakes. The slopes of the mine lakes shorelines will be sloped as conceptually shown on the attached drawings. The reclaimed mine site will provide for a drainage pattern similar to the pre-mining drainage. The quarries will consist of reclaimed mine lakes.

The Environmental Management and Monitoring Plan (EMMP) provides a monitoring plan to identify potential impacts to adjacent properties and water-supply wells, wetlands, ground-water levels, and surface-water features resulting from mining activities at the Center Hill Mine. The EMMP is composed of focused sections for each monitoring activity (wetlands, sinkholes, ground water and surface water, and impact mitigation). The copy of the current EMMP is attached in Appendix D.

- c. The substance (draft documents) of covenants, grants, easements, or other restrictions to be imposed on the use of the land, buildings, and structures, including proposed easements for public and private utilities. All such legal documents must be approved by the commission, after review by the county attorney, as part of the operating plan approval.

No covenants, grants, easements, or other restrictions are imposed on the use of the land, buildings, and structures, including proposed easements for public and private utilities.

- d. Description of the extent to which any watercourse, water body or wetlands will be altered or relocated as a result of the proposed operating plan.

No new wetlands will be altered or relocated as a result of this minor modification.

- e. Development containing wetlands on the property shall submit a vegetative cover map.

A Future Land Use Cover and Classification System (FLUCCS) map for post-development conditions is provided on the attached drawings.

- f. A management plan for endangered, threatened or species of special concern, if applicable.

A Threatened and Endangered Species survey of the site has been completed as part of the application for existing Operating Permit 2006-003. No new lands will be impacted as a result of this minor modification to the quarry lake configurations, therefore a management plan for endangered, threatened or species of special concerns is not applicable.

- g. An historic resources preservation plan, if applicable.

An archeological and historical survey of the site was completed as part of the application for existing Operating Permit 2006-003. No new lands will be impacted as a result of this minor modification to the quarry lake configurations, therefore an historical resources preservation plan is not applicable.

- h. A recent aerial photograph encompassing the project area and other areas related to the stormwater management system, if required by the authority. The scale shall be no smaller than one inch equals two hundred (200) feet.

An aerial photograph encompassing the project area is included in the attached drawings.

- i. By what means access to the site is to be restricted, and proposed points of access.

The property perimeter is presently fenced to prevent access from off site areas and the fence will remain. The existing access to the site will not change.

- j. A listing of all substantial differences between the approved conceptual plan and the submitted operating plan and any requests for variances from the Code or approved conceptual plan.

No substantial differences exist between the approved conceptual plan and the submitted operating plan and no requests for variances from the Code or approved conceptual plan have been submitted. A Development Permit was obtained to construct the visual berm and hydraulic barrier ditch. The visual berm was constructed using excavated soil from the hydraulic barrier ditch and overburden stripping from Quarry B-1.