

**CONSTRUCTION MITIGATION PLAN  
FOR  
FLAGSTAFF MOUNTAIN RESORT PARK CITY, SUMMIT  
COUNTY, UTAH also known as  
EMPIRE PASS**

**EXHIBIT 15**

**Prepared by:  
United Park City Mines Company**

**May 2001  
Revised and Approved December 2001  
Revised February 2004  
Revised June and September 2008  
Revised and Approved on August 8, 2018**

# TABLE OF CONTENTS

I.	Introduction, Goals & Objectives .....	1
II.	Existing Conditions.....	3
III.	Scope of Infrastructure Construction.....	4
IV.	Construction Impacts and Mitigation Measures .....	7
V.	Construction Phasing .....	19
VI.	Construction Mitigation Plan Management.....	20
VII.	Addendum- August 2018 .....	20

## Exhibits

- Exhibit A — Off-site Road Improvement Plan
- Exhibit B1-B2 — Emergency Access Plan (revised 1/2004)
- Exhibit C — Road Cross Sections (revised 1/2004)
- Exhibit E — Ontario #3 Mine Building Complex Staging Area

(Exhibits D and F were deleted with the 2008 Amendments)

## I. INTRODUCTION, GOALS OBJECTIVES

This study is one of several reports that have been prepared to support the Flagstaff Mountain Resort's Large Scale Master Plan Development (LSMPD) application. As LSMPDs are programmatic in nature and subject to refinement at subsequent Master Planned Development (MPD) or Conditional Use Permit (CUP) stages, correspondingly, the contents of this report should be viewed as conceptual in nature and subject to change as specific plans are developed. Details developed at the MPD or CUP stage will not require a modification of this plan provided that they comply with the Goals and Objectives of this Plan.

### General Description of the Property

Flagstaff Mountain Resort (the "Resort") is an assemblage of mining claims totaling approximately 1,655 acres of land (the "Annexation Area" located at the southwestern corner of Summit County, Utah. The Annexation Area is bordered by Deer Valley Resort to the east and State Highway 224 (Marsac Avenue) to the northeast. The southern boundary coincides with the Summit County/Wasatch County line. The Park City Mountain Resort borders the Annexation Area to the west and northwest. The Resort was annexed into the corporate limits of Park City, Utah on June 24, 1999 (refer to Exhibit "A" attached).

The proposed areas of development will be restricted to a) the "Mountain Village" consisting of three Development Pods ("A", "B-1" and "B-2") limited to: a) maximum of 84 acres and b) the "Northside Neighborhood" (Development Pod "D") limited to a maximum of 63 acres.

The maximum density allowed within the Mountain Village includes 785 Unit Equivalents configured in no more than 550 dwelling units and 192 hotel rooms. The residential units may be multi-family units, hotel room units or PUD units. In addition, the Mountain Village may also contain a maximum of: i) 16 single-family home sites; and, ii) 75,000 sf of resort support commercial uses. The Flagstaff Development Agreement was amended and recorded in March of 2007 and is referred to as the Amended Agreement.

The Northside Neighborhood (aka Red Cloud) may contain a maximum of 38 single-family home sites of which 30 are currently entitled and 8 are subject to further requirements under the Development Agreement. In addition to the Deer Valley Resort "Empire" Day Lodge near the Daly West waste rock pile, uses for the Resort are intended to include hotel lodging facilities, resort support commercial, multi-family residential units, PUD-style residential units and single-family home sites. Recreational uses will remain similar to the

current uses described above, with the exception of commercial snowmobiling, which will be discontinued.

### Construction and Potential Construction Impacts

Development of the Resort will include two (2) basic types of construction, infrastructure which includes roads, utilities, etc. and the actual residential and commercial buildings themselves. This Construction Mitigation Plan primarily addresses the infrastructure development of the Resort, although the guidelines set forth herein will be incorporated into the individual construction mitigation plans that will be required for each of the building development projects.

The proposed infrastructure development includes construction of: i) roadways, with the associated bridges and tunnels; ii) storm water drainage facilities; and, iii) utility systems including sanitary sewer, water storage & pumping, water distribution, natural gas, electric power transmission and telecommunication systems along with trail systems, ski lifts and other Resort improvements.

As stated above, each individual building project will be required to submit a site-specific construction mitigation plan prior to commencement of construction. These individual building construction mitigation plans will supplement and be consistent with this Plan. Section VI, "Construction Mitigation Plan Management" addresses this supplemental process to ensure compliance and implementation of these Plans.

### Construction Mitigation Planning Goals and Objectives

The primary goal and objective of this Construction Mitigation Plan is to identify and mitigate the impacts of infrastructure construction associated with the Resort, adhering to the standard Park City Municipal Corporation ("Park City") required construction impact mitigation measures along with additional site-specific mitigation measures required by the Development Agreement.

In addition, a complete Storm Water Pollution Prevention Plan ("SWPPP") will be prepared and implemented separately for the Resort in strict accordance with local, State and Federal guidelines. The primary goals of the SWPPP will be: i) to limit the areas of disturbance of the existing vegetation to only those areas required to install the proposed improvements; ii) to retain sediment on site to the extent practicable through the selection, installation and maintenance of storm water control measures in accordance with good engineering practices; and, iii) to prevent construction litter, debris and chemicals from becoming a pollutant source of storm water discharges. The SWPPP will also be designed to protect Park City's water sources and their designated water source protection areas.

For purposes of this Construction Mitigation Plan, and inasmuch as most of the issues and concerns addressed are identical, portions of the SWPPP will be

incorporated into the individual sections of the Plan as they apply.

## II. EXISTING CONDITIONS

### Existing Access

Access to the approximately 1,655-acre Annexation Area is via either Guardsman Pass Road or Daly Avenue. Guardsman Pass Road through the site is a narrow and steep minimally maintained road with a surface of either deteriorating asphalt or gravel. Guardsman Pass Road is not maintained or plowed in the winter and is closed to vehicles after the first significant snowfall of the season at a gate located approximately one-quarter mile south of the Guardsman Connection. Daly Avenue provides gated access to the mouth of Empire Canyon below Development Pod A.

### Existing Uses

The Annexation Area has historically been a popular recreational site used by area residents and visitors alike. Winter uses include both lift-served resort skiing as well as backcountry skiing, snowshoeing and snowmobiling. Summer uses include mountain biking, hiking and equestrian uses.

Within the Annexation Area portion of Deer Valley Resort, there are six existing ski lifts and approximately 36 ski runs, many of which have been cut through forest stands, graded, and revegetated. Four additional lifts are currently planned for the Annexation Area. One of these will serve the ski in/ski out needs of Development Pod A, one will access existing terrain between the Red Cloud and Northside Lifts (Ski Pod D) and the other two will access new intermediate and advanced Ski terrain in Empire Canyon (future Ski Pods X and Z).

A snowmobile concession, located just east of the Guardsman Connection at the horse stable has been discontinued.

Numerous trails currently exist within the Annexation Area, which include improved roadways, jeep trails, single-track trails, and undeveloped game trails. Many of the undeveloped trails are used on a limited basis by local hikers and equestrians. Other trails receive more frequent use and are recognized as serving a broader spectrum of the public. The "Trails Master Plan for Flagstaff Mountain Resort" provides a detailed description of the existing trail system.

### Mining Operations

Although active mining operations ceased in 1982, more than a century of intensive mining activities within the Annexation Area have left a number of mining-related features ranging from bits of debris and subtle landscape alterations to massive mine waste rock overburden sites and standing structures.

As mentioned above, the Historic Preservation Plan provides specific information regarding the current status of mining related structures and features within the Annexation Area.

#### Existing Utilities

Utilities as outlined in the Utility Master Plan have been installed in Marsac Avenue. Water, Electrical and telephone are connected to the service providers. The second sewer outfall down Marsac Avenue is partially complete and will be finished in the summer of 2004.

#### Existing Emergency Services

Existing and proposed Emergency Services are detailed in the Emergency Response Plan for the project.

### **III. SCOPE OF INFRASTRUCTURE CONSTRUCTION WORK**

#### Improvements to Marsac Avenue and Mine Road section of State Route 224

As required by the Development Agreement, the Resort will make certain improvements to Marsac Avenue beginning at the Deer Valley Drive "Roundabout," continuing south on Marsac Avenue and the Mine Road to the Guardsman Connection. Included as part of these improvements was the construction of a runaway truck ramp, which was completed in 2001. The balance of the improvements to this section of road include rebuilding the travel surface, adding curb and gutter, and the addition of a short uphill passing lane which is schedule to be completed by the end of 2004.

#### Realigned Guardsman Pass Road

Guardsman Pass Road from the Guardsman Connection through Development Pods A and B-1 to Development Pod B-2 has been realigned and accepted by the State.

#### Private Road

A private road, constructed to the same cross-section described above for the re-aligned portion of Guardsman Pass Road, will be built to serve Development Pod D and the proposed Bonanza Mountain Resort located in Wasatch County on a year-round basis (refer to Exhibit "G" attached). Access to this private road will be limited to the residents of Flagstaff Mountain Resort and Bonanza Mountain Resort along with their respective visitors, guests, employees and service personnel (refer to the Private Road Access Limitation Procedures for Flagstaff Mountain Resort). A private street may be dedicated to the City with City Council approval. An emergency secondary access road will be built from Pod D to Pod A.

## Development Pod Infrastructure

Roads within the Development Pods will be constructed to cross-sections similar to those described for the re-aligned Guardsman Pass Road (refer to Exhibit "B" attached). These roads will include all of the required utilities, which, for the most part, will be installed within the road platform. Parking will not be allowed on either side of these roads.

Bridges and tunnels will be constructed to provide grade separation of vehicles and recreational users (hikers, bikers & skiers). These structures will be designed to incorporate so-called "dry crossings" to provide access during construction as well as emergency vehicular access around these structures in the event of a structural failure.

## Utilities

Water:

The Flagstaff Mountain Resort Conceptual Water Master Plan provides for the storage and distribution of water for both domestic and firefighting uses. Water will be provided to the Resort by the Park City Municipal Corporation in accordance with i) an *AGREEMENT FOR A JOINT WELL DEVELOPMENT PROGRAM, dated January 14, 2000* and ii) a *MEMORANDUM OF UNDERSTANDING BETWEEN PARK CITY MUNICIPAL CORPORATION AND UNITED PARK CITY MINES COMPANY CLARIFYING AND IMPLEMENTING THE WATER SERVICE AND WATER SOURCE DEVELOPMENT PROVISIONS OF THE DEVELOPMENT AGREEMENT dated June 24, 1999, dated January 14, 2000*, and iii) numerous other water agreements-between the parties, and iv) any future agreements.

Water will be delivered to the 1,000,000 gallon storage tank (Water Tank #1) that UPK constructed on the east side of Guardsman Road, just above the Empire Day Lodge. The primary source of water for Tank #1 is planned to be the Spiro Water Treatment Plant via the 13th Street Pump Station and the Woodside Tank. After necessary upgrades to the existing system are completed, water will be pumped from the Woodside Tank up Empire Canyon to the Pod B-2 Tank via a 10" ductile iron water line.

The secondary source that presently supplies Tank #1 is the existing Bald Eagle Tank at the Deer Valley Resort. Water gravity flows to Tank #1 from the Bald Eagle Tank through the water line that feeds the Empire Day Lodge at Pod B-2 via a 10" ductile iron water line that runs along the Banner Ski Trail and across the Northside Ski Runs. Tank #1 is located at an operating elevation of approximately 8,450 feet above sea level and provides approximately 540,000 gallons of fire storage for Pods A, B-1 and B-2. This

storage capacity has been calculated to provide the necessary 3,000 gallons per minute for the three-hour duration in accordance with the requirements of the Park City Building Department.

Tank #1 will provide water via a pump station and a 10" ductile iron water line to a second tank (Tank #2) of 1,000,000 gallons to be located along the ridgeline in the area above red Cloud. Tank #2 will be located at an operating elevation of approximately 9,150 feet above sea level and will provide approximately 300,000 gallons of fire storage for red Cloud and for UPK's property in the Bonanza Flats area of Wasatch County. This storage capacity has been calculated to provide 2,500 gallons per minute for the two-hour duration. The fire flow assumptions for this tank have been reduced since the buildings served will be much smaller than those programmed for Pods A, B-1 and B-2. Water will be distributed from these tanks via a series of water mains, with fire hydrants installed along the roads and throughout the development Pods as required by Park City and the District. In addition to the required fire hydrants, fire department connections and standpipe systems, fire hose storage cabinets and their appurtenances will be provided in strategic locations throughout Empire Pass to ensure appropriate resources are available in the event of a fire.

Sewer:

Flagstaff Mountain Resort will enter into the necessary Line Extension Agreements with the Snyderville Basin Water Reclamation District in order to secure adequate sanitary sewer service for the Resort.

Flagstaff Mountain Resort will construct a wastewater collection system throughout the Resort area.

Beginning at Development Pod D at the top of Flagstaff Mountain, wastewater will be collected and transported downhill via two separate sewers. The first will follow the alignment of the proposed private road that connects Development Pods D and B-2 and will collect wastewater from those single-family lots located on the west side of Flagstaff Mountain. This sewer system will then collect wastewater from Development Pods B-2 and B-1 and convey it to the sewer line constructed in Empire Canyon during 2001. This is the sewer line that extends from the Empire Day Lodge to upper Daly Avenue.

The second sewer will collect wastewater from the balance of the single-family lots within Development Pod D and convey it along the Northside ski runs to Development Pod A.

A system of sewers within Development Pod A will collect the wastewater conveyed from Development Pod D, along with the wastewater generated in Development Pod A and convey it to Prospect Ridge.

From Prospect Ridge, a sewer will convey the wastewater down to one of two

connections to the existing sanitary sewer system.

One is the existing sewer that was extended up Marsac Avenue by the City to a point just above the new Deer Valley Drive “roundabout” in Ontario Canyon. This line has the capacity to accept all of the wastewater generated by the Resort and will be the primary receiver of the Resorts wastewater.

The other outfall is the connection that will be made to the existing sewer at the top of Daly Avenue in Empire Canyon. The capacity of this line is restricted due to existing conditions within Main Street, so this line can only accommodate a portion of the overall requirements of the Resort.

Electric Power:

The source of electric power for the Resort will be the existing Judge Tunnel switch and the recently realigned Olmsted line. Power will be distributed from this point throughout the Resort via an underground distribution system located within either the proposed street rights-of-way or utility easements.

Telecommunications:

Allwest Communications will provide fiber optic lines for Internet, cable and phone.

Natural Gas:

Questar Natural Gas Company has extended a transmission line to a regulator station in the pod B1 area. Distribution line have been installed in the realign Marsac Ave

For additional information relating to the proposed construction associated with development of Flagstaff Mountain Resort, please refer to the following Resort master plan documents:

- The Construction and Development Phasing Plan
- The Utilities Master Plan
- The Drainage Master Plan
- The Private Road Access Limitation Procedures
- The Emergency Response Plan

#### **IV. CONSTRUCTION IMPACTS AND MITIGATION MEASURES**

##### Construction Phasing

Detailed anticipated timeline of construction activities are described in the “Construction and Development Phasing Plan for Flagstaff Mountain Resort”. A

Construction Mitigation Plan is required at the time of Conditional Use Permit application.

### Traffic Impacts

The primary impacts to traffic on the roadways adjacent to the Annexation Area relate to construction personnel commutes and deliveries of construction materials and supplies.

As stated above, the primary access to the Annexation Area will be via Marsac Avenue and the Mine Road. The vast majority of construction personnel and material handling traffic to and from the Annexation Area will travel along this route. To a much lesser extent, there will be some minimal construction related traffic along Main Street and Daly Avenue associated with the limited construction activity located in the lower portions of Empire Canyon.

Roadways potentially impacted by construction traffic will include the following:

- SR 224 from Kimball Junction to Deer Valley Drive
- SR 248 from Quinn's Junction at Highway 40 to SR 224 (Park Avenue)
- Bonanza Drive
- Park Avenue to Deer Valley Drive
- Deer Valley Drive to Marsac Avenue
- Marsac Avenue from the roundabout to Hillside Avenue
- The Mine Road from Hillside Avenue to the Guardsman Connection
- Daly Avenue and Main Street

Potential construction traffic impacts include:

- Increased traffic associated with construction personnel arriving and leaving the Annexation Area
- Deliveries of construction materials, primarily loaded trucks moving slowly uphill
- Temporary traffic restrictions associated with the required improvement of Marsac Avenue and the Mine Road

A variety of traffic related mitigation methods will be implemented to minimize the above referenced traffic impacts.

Since the majority of the construction activities will take place during the late spring, summer and early fall construction season, and during long periods of daylight, the majority of the construction personnel will be arriving and departing the Annexation Area at traditionally non-peak time periods. This will help to mitigate traffic congestion during the normal morning and afternoon peak travel times. Although there is no formal system proposed construction personnel will be strongly encouraged to car pool to and from the Annexation Area to reduce traffic impacts.

The Resort will develop and implement a detailed program to mitigate traffic impacts related to the delivery of materials and supplies to the Resort and the haul-off of excess and waste materials from the Annexation Area.

This program will include, but not be limited to, the following components:

### Delivery Schedules

In general deliveries will be restricted to follow the schedule set out in this section which is designed to minimize conflicts with tourist and holiday traffic. Deliveries that cannot accommodate this schedule will be the subject of a specific delivery plan that will be submitted and approved by the Building Department.

Deliveries to the site are of varying types and uses. General construction material will originate from SLC and will be at predictable times and frequency. These deliveries will be scheduled to not coincide with peak winter tourist traffic patterns and will avoid holidays. In the winter peak ski season (Christmas through Presidents Day) these deliveries will be scheduled to arrive during week days after 9:30 AM and before 3:30 PM and will be direct to the construction site. Saturday deliveries are possible but will be the exception and will be further restricted to after 10:00 AM and before 3:00 PM. Sunday and holiday deliveries will be prohibited. In the balance of the year the delivery schedule will also avoid holidays and Sunday, but will generally be permitted over the normal construction hours. Summer traffic conflicts can occur on non-holiday times when festivals are scheduled outside of weekends and holidays. The Master Owners Association will verify with the City the festival schedule to the project identifying areas of concern. The developer will coordinate with the City to minimize conflicts with these dates and times.

Just-in-time deliveries consist of materials fabricated off site such as structural steel, pre-cast concrete and trusses. These materials are shipped by common carrier and are offloaded from the truck and placed directly on the building during normal working hours. While their arrival in town is random and not schedulable like routine deliveries from SLC, they are few in number and will have limited impact.

Concrete deliveries are the most demanding from a schedule point of view. Small pours can be scheduled to respect the off peak delivery schedule set out for routine deliveries. However large pours will occur year-around and may need to be scheduled for the full day. These deliveries schedules will be submitted to the Building Department for approval as previously noted.

### Directions and Travel Routes

Deliveries and traffic routes will be monitored and recorded by the Master

Homeowners Association (MHA) who has the ability to levy fines on contractors and owners who fail to comply with the approved project CMP. See MHA mitigation plan for details of requirements and coordination of CMPs throughout the project.

A Delivery Route Map providing suppliers with directions to the Resort from 1-80 and US 40 including detailed information related to travel conditions and construction detours along the route(s) through Summit County and Park City. This map will be updated on a frequent basis to ensure deliveries do not get lost and cause undue impacts on other parts of Park City. The maps will not require that downhill truck traffic use Royal Street. Downhill truck traffic is at the discretion of the Chief Building Official or the Chief of Police:

- (i) Over-length trucks that cannot stay in their lane on the turns on Royal Street may be allowed to go down the mine Road/Marsac Avenue; and
- (ii) Trucks may be routed down the Mine Road/Marsac Avenue when weather or other conditions make travel down Royal Street unsafe or impractical.
  - Deliveries will be required to be scheduled in advance to ensure that: i) they arrive during non-peak Park City travel periods; ii) equipment is available to quickly off-load the shipment; and, iii) a storage area is available. With the approval of Park City, deliveries may be scheduled outside of normal working hours to minimize traffic impacts.
  - Deliveries will be timed to coincide with the installation of the materials to ensure that the Resort's storage areas do not become overcrowded.
  - Deliveries will be prohibited during area special events including, but not limited to, the Fourth of July celebration, the Arts Festival and the Miner's Day celebration.
  - Appropriate directional signal will be installed to clearly direct deliveries to their appropriate destination.

With regard to the improvements associated with the reconstruction of Marsac Avenue and the Mine Road, the Resort will work with Park City to develop an approved construction phasing and implementation plan. This plan will include various elements including, but not limited to, a phasing plan and schedule, a detour plan, a construction signage plan, and a public information program all similar to the one implemented on the construction of the sewer in lower Marsac Avenue.

### Hours of Operation

Although for the most part construction associated with the Resort is isolated and a significant distance from existing neighboring residential areas, since the construction is taking place uphill from and in confined canyons adjacent to these

residential areas that may transmit sound over a great distance, hours of construction is a concern.

In accordance with the Park City Construction Mitigation Guidelines, construction operations will be limited to the hours of 7:00 AM to 9:00 PM Monday through Saturday and 9:00 AM — 6:00 PM on Sunday. These restrictions will be strictly enforced whenever noise and disruption from construction operations may create a public concern. In more remote areas of the Annexation Area that will not affect neighboring residential areas, extended hours of operation may be requested, subject to the approval of the Park City Community Development Department.

#### Construction Personnel Vehicle Parking

Due to the considerable size of the Resort, the high number of anticipated construction personnel, the need to keep Marsac Ave open to the public, the restrictive nature of the terrain and the vegetation which must be protected, construction personnel vehicle parking is a concern.

The Resort will designate, construct, maintain and manage specific construction personnel vehicle-parking areas located throughout the Annexation Area. Parking is prohibited on Marsac Ave. The Ontario Mine site is the primary area for this work. Land uses for the Ontario Bench may be subject to a Conditional Use Permit. This site is of an appropriate size and is well situated to accommodate the large numbers of construction personnel that will be working in the lower portions of the Resort in and around Development Pod A. The site is already improved with storm drainage related facilities and asphalt paving. The removal of the mill buildings has increased the area available for staging at this location.

There will be a number of smaller “site specific” construction vehicle parking areas established throughout the Annexation Area. These sites will be located only in areas slated for future construction to ensure that no new vegetation is disturbed. These sites will again be graded and treated to control storm water run-off, mud and dust.

#### Construction Staging and Material Storage Areas

Similar to the above referenced construction personnel vehicle parking, due to the size of the Resort, the need to keep Guardsman Pass Road open to the public, the potential for changing weather conditions, the restrictive nature of the terrain and the vegetation which must be protected, construction staging and material storage is a significant concern.

The Resort will again designate, construct, maintain and manage specific construction staging and storage areas located throughout the Annexation Area. The same two sites referenced above will play significant roles to mitigating these impacts.

The existing Ontario No. 3 Mine Building Complex will act as the primary staging and material storage site for the Resort. The existing buildings located on this site will provide opportunities to house construction field offices. The exterior portions of the site are of an appropriate size and are well situated to accommodate the long-term storage of large quantities of construction materials required by the Resort.

Excavated materials generated from the project will be processed and reused or disposed of within the annexation area, or at Bonanza Flats, unless otherwise approved by the City Council. Materials will be processed by sorting the material into structural fill and top soil. The bulk of this processing will occur pursuant to a City approved Construction Mitigation Plan which reduces the overall number of haul trips necessary to transport the excavation waste material to its final approved location and minimizes impacts on existing neighborhoods and future residents within the project area. Final locations for waste material storage shall be designated in area which eliminate or substantially reduce haul trips down Marsac Ave below Pod A. Processed materials which are suitable for reuse as engineered fill, aggregate, or landscaping materials will be returned to the site as needed. This reuse will reduce offsite truck trips.

Structural fill and top soil that are surplus to the project will be subject to grading permit approval by the City. AU fill and fill sites will be subject to appropriate geotechnical engineering and testing and be the subject of a grading permit as required by the IBC. Placement of this material will be covered under separate permit and is the responsibility of United Park City Mines Co (UPK).

The Daly West waste rock pile will act as the primary storage area of on-site generated materials such as trees and vegetation. This site will also be designated as a secondary construction staging area and material storage site since it is well situated to service the mid-portions of the Resort in and around Development Pods B-1 and B-2. However, all work in and around the Daly West must be coordinated with the Mine Soil and Physical Hazards Mitigation Plan. Until the mitigation of Mine Soils is complete on this site, the area available for construction staging will be limited.

In an effort to re-use all suitable materials generated during the construction of the Resort, it is anticipated that several recycling operations will take place at the Daly West staging area. The first will be a wood chipping operation to process organic materials such as trees, slash, ground vegetation and scrap lumber into mulch. This material will be available for use in a variety of ways including mud & dust control, ground stabilization and re-vegetation & landscaping ground cover.

There will be a number of smaller “site specific” construction storage areas established throughout the Annexation Area. These sites will be located in areas slated for future construction to ensure that no new vegetation is disturbed.

In addition to having appropriate areas to stage construction activities and store

construction materials, it is very important to manage, these areas effectively. This management will begin at the entry to the Annexation Area.

As was stated earlier, a Resort entry “check-point” will be established in the area across from the existing stable facility at the Guardsman Connection. Resort personnel will monitor, direct and control all deliveries made to, and transported within, the Annexation Area. Materials requiring long-term storage will be directed to the Ontario #3 Mine Building Complex, while materials needed in the near-term will be directed to either the Daly West area or directly to the site of the construction.

Appropriate good housekeeping practices are also vitally important in the efficient and orderly storage of construction related materials. The Resort will exercise good housekeeping practices in compliance with all applicable Federal, State and local laws, regulations and ordinances to prevent exposure of stored materials to storm water.

The Resort will take special care in the handling and storage of potentially hazardous materials. Examples of hazardous materials include:

- Pesticides, insecticides and herbicides
- Petroleum products including oils, fuels, diesel oil, lubricating oils and grease
- Nutrients including soil additives and fertilizers
- Construction chemicals including paints, acids for cleaning masonry surfaces, cleaning solvents, asphalt products, concrete curing compounds

The storage and use of these materials will conform to the manufacturer’s recommendations and good housekeeping practices including:

- Providing locked, weather resistant storage areas
- Lining storage areas with plastic sheeting to contain any leaks
- Storing containers in a cool, dry location
- Keeping container lids tightly closed
- Monitoring all containers and storage facilities on a regular basis
- Maintaining an inventory of all products stored on-site

Any excess materials will be disposed of in compliance with all Federal, State and local laws, regulations and ordinances.

The Resort will construct security fences with gates around its stockpile and staging areas as required and will employ security personnel and services as necessary to protect these areas during off-hours.

Park City may require performance bonds to ensure compliance with specific Construction Mitigation Plans, which would be forfeited at the time of any

violation.

### Temporary Utilities

The Resort has installed the basic utility infrastructure for sewer, power, natural gas, electricity and phone in Marsac Avenue. Construction utilities will extend from these services.

### Health & Safety Plan

In accordance with Federal OSHA standards as well as requirements of State and City ordinances, the Resort will develop and implement an approved Health and Safety Plan that will govern all construction activities associated with the Resort.

### Waste & Trash Management and Recycling of Materials

As is the case with all construction projects, large quantities of waste, trash and construction by-products will be generated by the Resort. These materials must be stored, handled and disposed of properly so as not to cause adverse impacts to the surrounding area and the environment.

The Resort will develop and implement a trash management and recycling program to maintain clean construction sites, maximize material recycling, minimize disposal truck traffic impacts and minimize impacts to the local landfills. This program will control the storage and disposal of waste & trash and re-utilize recyclable materials, both organic and manufactured.

Trash collection stations will be established at all primary and secondary staging areas. The Resort will provide a sufficient number of dumpsters, designed specifically for the purpose of the storage of solid waste, and schedule timely haulage services to legal landfill disposal areas to ensure that the dumpsters do not become overfull. Haulage of partial loads will be prohibited in order to minimize truck trips. As was stated in the traffic impacts section, specific haul routes will be coordinated to minimize traffic impacts.

Recycling containers will be located near the dumpsters to facilitate separation of reusable and recyclable materials from the trash. Non-organic recyclable materials will be re-utilized on site as much as possible. The Resort will arrange for the removal of all recyclable materials that cannot be reused on-site. As was stated earlier, organic materials, such as scrap lumber, trees, slash and ground vegetation, are planned to be chipped on-site into mulch for use on-site.

### Sanitary Waste Disposal

As is the case with any construction project with large numbers of construction personnel, sanitary waste disposal facilities are critical.

The Resort will provide adequate portable toilets for use by the construction personnel. These temporary toilets will be provided and maintained by a licensed provider who will dispose, of all waste in compliance with all applicable State and local laws, regulations and ordinances.

Sanitary facilities will be located a sufficient distance from any storm drainage systems to prevent contamination in the event of a spill. Any spill will be cleaned up immediately.

### Grading and Excavation Impacts

Impacts from grading and excavation generally fall into to three categories. The first is the generation of fugitive dust and/or mud. The second relates to traffic impacts of hauling excess materials off-site. Finally, the third relates to erosion of exposed surfaces and storm water management.

#### Fugitive Dust and/or Mud:

Disturbance of the natural vegetation layer and earthwork/excavation activities results in the exposure of the natural soil to the elements. During dry periods, wind, trucks and equipment traveling across these disturbed areas create fugitive dust. This fugitive dust has the potential to negatively affect air quality. During wet periods, the dust turns into mud and, if left unchecked, can impact existing watercourses and can be tracked off-site onto public roadways.

To the extent possible, disturbed areas will be kept to a minimum. Earthwork activities will be scheduled so that the area to be disturbed and left unprotected from erosion will be as small as possible and exposed for the shortest time feasible.

Areas targeted for grading and excavation operations will be delineated by the use of silt fencing on the downhill side of slopes and limits of disturbance fencing in other locations. This fencing will generally be located within five feet of the limits of cuts and fill operations. These delineated limits of disturbance will be strictly enforced to minimize the areas of disturbance.

Temporary stabilization procedures including the establishment of temporary and/or permanent vegetation, mulching, geotextile fabrics, etc. will take place as required to prevent soil erosion. These measures will be installed as soon as practical after construction activities have been temporarily or permanently ceased.

Cut and fill slopes, utility corridors and other areas of disturbance will be covered with topsoil and revegetated as soon as practical to prevent erosion. Mulch and gravel generated from the previously referenced on-site recycling program will be used to control dust and stabilized wet areas.

Fugitive dust will be controlled with appropriate application of water as a palliative. One or more water trucks will be employed throughout the workday to water down haul roads and disturbed areas.

Most of the work associated with the Resort will occur on-site and out of existing public rights-of-way. However truck traffic traveling to and from the Resort has the potential of tracking dust onto public roadways.

Each project will establish a truck wash program. For most sites vehicle wash down areas will be at the entrance to all job sites off of Marsac Avenue. Single family projects will establish portable wash facilities as part of their individual plans. This wash down area will consist of temporary asphalt paving or clean, well-graded gravel with a water hose station and a catch basin to receive the wash water. All construction vehicles leaving the job sites will be inspected by Resort personnel, hosed down as required and have their loads covered or wetted if applicable.

#### Street Cleaning:

The truck wash at the entrance to the job site will eliminate most sediment transport from the job site to the City's storm water conveyance; however, the potential exists for incidental or accidental transport to Marsac Avenue. Consequently, the drop inlets downhill of the project will be equipped with silt traps of filter fabric or hay bales. These silt traps will be inspected on a weekly basis and prior to any forecast for precipitation and cleaned as needed. Streets will be swept as need depending on the effectiveness of the truck wash program. Streets will also be inspected and cleaned as needed prior to any forecasted precipitation.

#### Traffic Impacts:

The majority of all materials generated from on-site grading, excavation and other earthwork operations will be retained within the Annexation Area. This material will be used for such things as topsoil cover material, landscape berms and/or structural fills. This policy will reduce traffic impacts on City roads.

#### Storm Water Management:

The project construction is covered under a SWPPP issued by the State that is held in the name of the master developer, United Park City Mines Co. (UPK). This plan corresponds with the requirements of that permit. UPK will be responsible along with the MHA for enforcing that permit within the project.

The primary goals of the SWPPP are: i) to limit the areas of disturbance of existing vegetation to only those areas required to install the proposed improvements; ii) to retain sediment on site to the extent practical through the selection, installation and maintenance of control measures in accordance with

good engineering practices; and iii) to prevent construction litter, debris and chemicals from becoming a pollutant source for storm water discharges.

In general, the Resort will institute the following good housekeeping practices:

- Protecting existing vegetation to remain from disturbance
- Minimizing slope lengths and steepness
- Preventing pollutant contact with precipitation and runoff
- Keeping pollutants off exposed surfaces
- Keeping materials out of storm drainage systems
- Reducing storm runoff velocities
- Minimizing generation of waste materials and dispose of all waste materials properly
- Storing all materials properly, including adequate covering
- Preventing leaks and spills, cleaning up any spills immediately
- Preventing concrete and cement mortars from entering storm drainages
- Applying fertilizers, pesticides and herbicides in accordance with the manufacturer's instructions
- Minimizing tracking of sediment off-site

All proposed staging and materials storage areas will incorporate storm run-off controls. Storm water collection, transmission and disposal facilities will be constructed to route storm water runoff around these areas. The storm water flows from these facilities will be discharged, where possible, through areas of natural vegetation so that filtering can occur. In areas where natural vegetation is not available, siltation basins will be constructed. Upon completion of the Resort, or when a staging area is no longer being used, these storm water run-off control facilities will be removed, re-graded and re-vegetated.

The Resort will install a variety of storm water run-off prevention measures whenever natural vegetation is disturbed including, but not limited to, straw bales, silt fences, silt basins, rock check dams, etc. to prevent silt and other construction related materials from entering the storm drain systems and/or water courses.

UPK and MHA personnel will routinely inspect the above-described erosion and sediment control facilities on a regular basis. These facilities will be maintained, repaired and supplemented as required to ensure effective operating conditions. Sediment will be cleared from the control facilities when the depth of the accumulated sediment reaches a maximum of 1/3 of the height of the structure.

Upon completion of construction, all temporary facilities will be removed from the site and re-vegetated after the disturbed areas have stabilized.

### Noise Prevention

As stated earlier, although, for the most part, construction associated with the

Resort is isolated and a significant distance from existing neighboring residential areas, since the construction is taking place uphill from and in confined canyons adjacent to residential areas, noise impacts could be a concern. Obviously, work associated with the reconstruction of Marsac Avenue and the Mine Road could generate noise that may impact residential areas along this alignment.

All construction operations will be conducted in compliance with Park City's hours of operations and noise restriction guidelines and ordinances.'

In the event that any essential operation generates noise that consistently exceeds the 65-decibel limit set by Park City, Project representatives will meet with City Engineering Department and Building Department officials to determine the best method for mitigating the impact.

Engineering and Building Department officials will be notified of any proposed strong percussive noises, such as blasting activities, three days prior to the event taking place. Blasting contractors will be required to obtain necessary, permits prior to blasting.

#### Temporary Lighting

Since for the most part, construction associated with the Resort is isolated and will take place a significant distance from existing neighboring residential areas, impacts from lights associated with after-dark construction related activities or staging and storage areas is not anticipated to be a significant concern.

It is not anticipated that normal construction activities will occur after dark. It is, however, possible that certain special operations, such as utility tie-ins that can only be performed during "off hours," may necessitate work being completed after dark. The Resort will take great care to provide adequate lighting for the safety of the construction personnel while attempting to 'ensure that said lighting does not impact neighboring residents. An approved temporary lighting plan will be developed and submitted to the City for their approval at the City's discretion prior to commencement of any construction operations requiring exterior, temporary lighting.

#### Resort Identification and Notification Information

In accordance with Park City Construction Mitigation guidelines, Resort identification signs will be constructed and posted at the entries to the Annexation Area. These signs will include, at a minimum, the following Resort information:

- Name, address and telephone number of the developer
- Name, address and telephone number of person responsible for the Resort
- Name and telephone number of the party or parties to contact in case of

an emergency

In addition to the general Resort identification signs described above, and as stated previously, the Resort will develop construction signage plans as required to adequately inform the public of hazards related to construction activities, detours, etc. These signage plans will address construction activities associated with both roadways and trails.

#### Public Notification and Communication:

In light of the fact that the Annexation Area consists of approximately 1,650 acres used by a large segment of the population for recreational activities, keeping the public informed of the schedule and progress of the construction will be very important.

Meetings with neighboring property owners in particular and the public in general will be encouraged to keep everyone apprised of the current conditions.

The Resort will continually assess all operations that may adversely impact or inconvenience residents and/or businesses in the area of the Resort or motorists, hikers, bikers and/or equestrians traveling throughout the Annexation Area so that proper notification and communication of impacts can be made in advance. These impacts may include road closures and detours, trail closures and detours, and night operations, etc. This notification process will be maintained throughout the entire construction process. All said notifications will be coordinated with representatives of Park City and communicated to the public via the local newspaper, radio stations and mass mailings.

Although every effort will be made to minimize the disruption of the existing trail system, some trails will be temporarily closed or detoured, re-routed or permanently eliminated due to infrastructure construction. Detours and/or new permanent trails will be completed in a timely manner to minimize the impact of Resort construction activities on the trail users.

#### Other Issues

Since dogs on active construction sites can be a distraction and a hazard to construction personnel as well as a threat to the well-being of the animal itself, dogs will be forbidden on construction sites at any time in accordance with Park City ordinances.

## **V. CONSTRUCTION PHASING**

Phasing of the Resort will consist of an orderly and systematic construction and development plan, as approved by the Planning Commission in December of 2001.

This plan extends access and utility services to the Annexation Area in a timely fashion to facilitate the sale of a wide range of real estate product without undue impacts to Park City, its residents or the environment (See Technical Report #10).

## **VI. CONSTRUCTION MITIGATION PLAN MANAGEMENT**

FMP, the development entity overseeing the construction and development of the Resort, will have the overall responsibility for the implementation and enforcement of the requirements of this Construction Mitigation Plan.

Prior to commencement of any third party development project, and in accordance with the requirements of Park City's Master Planned Development approval process, the third party developer of said project will be required to submit a detailed, site-specific construction mitigation plan (CMP) to Park City Planning and Building Departments for their review and approval. A copy of these plans will also be submitted to the Resort's Master Homeowners Association for their review and approval.

The Resort's Developer and/or Master Homeowners Association will have overall responsibility to Park City Municipal Corporation to ensure the implementation and enforcement of the requirements of these individual construction mitigation plans as part of the approved Resort Covenants, Conditions and Restrictions (CC&R's) and Design Guidelines.

## **VII. ADDENDUM – AUGUST 2018**

With development of the Mountain Village approximately 75% complete, this addendum addresses mitigation measures specific to the remaining, primarily residential, development. In 2004, the Planning Commission approved amendments to this Technical Report #15 Construction Mitigation Plan requiring site specific construction mitigation plans (CMPs) to be submitted with Conditional Use Permit (CUP) applications. All site specific CMPs shall be consistent with this Technical Report and require approval by the Planning Commission for CUPs and by the Chief Building Official and Planning Director, or their designees, for administrative CUPs and building permits.

### **Construction Access**

Construction access for individual projects shall be addressed by the site specific CMP at the time of CUP and building permit review. With major road improvements complete, Marsac Avenue (the Mine Road) is the preferred route

for downhill construction traffic, including construction workers, trucks delivering construction materials and trucks removing construction waste. The Empire Pass Master Owners Association (“EPMOA”) shall work directly with contractors to mitigate on-site traffic impacts related to the delivery of materials and supplies to construction sites.

### **Contractor Parking**

EPMOA tightly regulates parking of construction personnel vehicles within the Annexation Area. Parking is prohibited on Marsac Avenue. Parking on construction sites within the Resort is limited and strictly monitored by the EPMOA. During non-winter months, EPMOA permits limited on-street parking on private roads. During winter months, contractors are generally required to park within construction sites to keep roads clear for snow removal and emergency vehicle access. Contractors with insufficient parking on site are required to shuttle workers from remote parking sites such as Richardson Flats, Deer Valley’s Royal Street Connector lot, and the Mine Bench, subject to site specific CMP and property owner/Park City Municipal approval.

### **Construction Staging**

Individual contractors coordinate with EPMOA regarding specific construction staging and storage areas. Contractors are generally required to stage materials on site. Based on land owner approval, off-site staging of materials on vacant development sites or at the Ontario Mine Bench or Royal Street Connector lot are acceptable alternatives, subject to permits, site specific CMP and property owner approvals.

### **Excavated Materials**

Excavated materials generated from individual projects will be tested, processed and reused or disposed of within the Annexation Area, unless otherwise approved by the City Council to be disposed of outside of the Annexation Area. Materials will be processed by sorting the material into structural fill, top soil, rock and waste material. Final locations for placement of excavated material shall be specified in the site specific CMPs and shall be designated in areas which eliminate or substantially reduce haul trips down Marsac Ave below Pod A. Excavated materials that don’t test clean (such as mine waste soils) are subject to State and Federal Regulations. Property owners shall coordinate with the appropriate State and Federal agencies. Completion of all requirements by State and Federal Agencies is required prior to building permit issuance for construction.

Structural fill and top soil surplus to individual construction projects will be hauled to approved tipping sites (see below) for placement subject to grading permit approval by the City. Grading permit applications shall require grading plans, storm

water plans, City approval to relocate public trails, and site specific CMPs consistent with Technical Report #15. All fill and fill sites are subject to appropriate geotechnical engineering and testing as part of a required grading permit.

Construction waste, rock, and other materials not suitable for placement at tipping sites shall be hauled off site for disposal at local landfills or other sites, as further specified in the approved site specific CMP.

Subject to grading permit approval, designated tipping sites include:

- Proposed Twisted Branch Subdivision Lot 2 (“Hot Creek”)
- Proposed Twisted Branch Subdivision Parcel C
- VEPN Lot 1 (Marsac Horseshoe)
- Period No. 1 Mining Claim – MS 6567
- Period No. 5 Mining Claim – MS 6567
- O.K. Mining Claim – MS 5929
- L.E. Mining Claim - MS 5930
- Deer Valley Ski Runs
- B2 East Subdivision
- City water tank site in lower Empire Canyon

See attachment A for map of Mining Claim sites.

See attachment B for general location map of these sites.

Additional tipping sites within the Annexation Area may be considered and approved by the Planning Commission. Twisted Branch Road Parcel C may be used for seasonal storage of excavated material when weather conditions preclude placement at other tipping sites, subject to grading permits, erosion control, and other safeguards and requirements consistent with this Technical Report.

Grading permit approval is required prior to placement of clean excavated materials at the identified tipping sites. Grading permit applications shall include the following items:

- existing conditions survey and topography,
- grading plans,
- storm water and drainage plans,
- erosion control plans consistent with SWPP requirements,
- significant vegetation and re-vegetation plans,
- certified forester or arborist report if applicable,
- City approval for any relocated public trails,
- access routes,
- time period of opening and date for closing of site,
- detailed construction mitigation plans consistent with Technical Report #15

and

- compliance with all standard City regulations for grading permits.

For sites with significant vegetation, a certified forester or arborist report will be required to identify and describe the health of significant vegetation on the site, to identify the best location for placement of clean excavated materials, to identify mitigation measures for removal of any significant trees and to provide best forest management practices to address dead and dying trees at the site.

The proposed sites are primarily located in the ROS zone and are generally in, or close to existing ski run areas. Access routes shall be shown on the plans and any access route that is not part of or required for ski area operations shall be reclaimed consistent with the approved grading permit.

### **Waste & Trash Management and Recycling of Materials**

As is the case with all construction projects, waste, trash and construction by-products will be generated by individual construction projects. These materials must be stored, handled and disposed of properly so as not to cause adverse impacts to the surrounding area and the environment. Site specific CMPs for individual projects will address waste and trash management and recycling of materials, consistent with this Technical Report. EPMOA will monitor contractor compliance with trash management on individual sites and surrounding properties.

## Attachment A- Mine Claim Tipping Sites

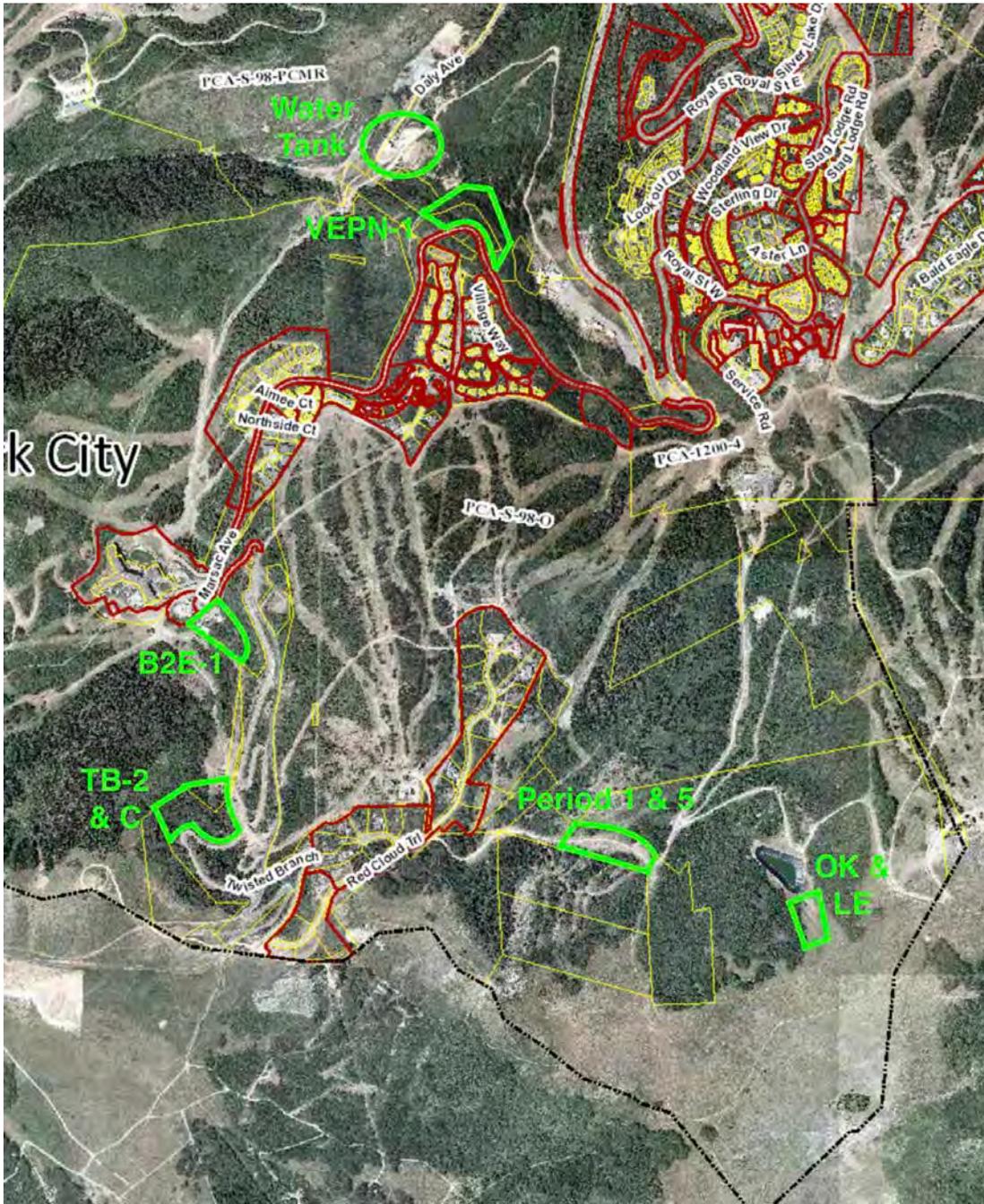


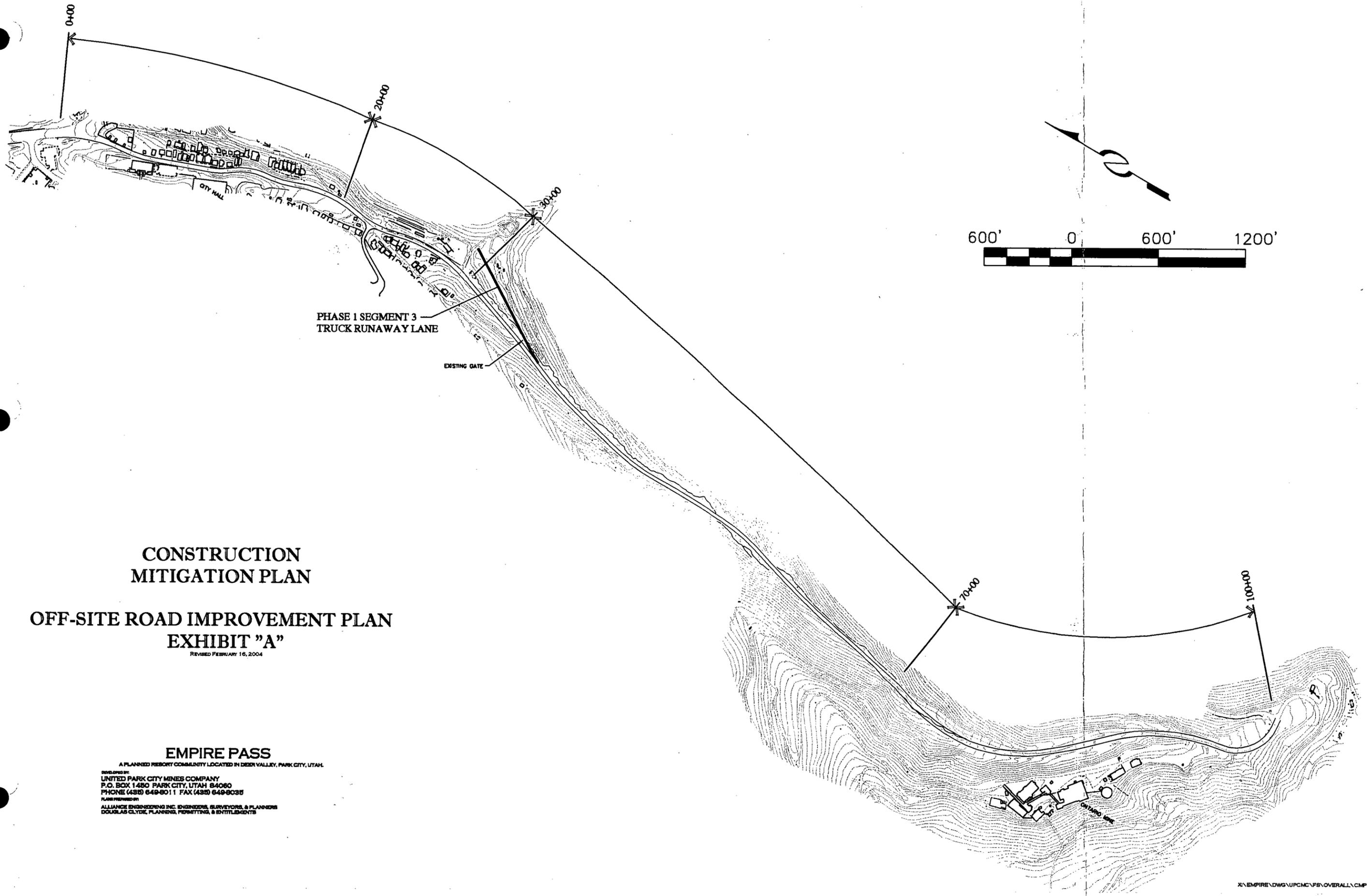
Blue dashed line is haul route off Red Cloud Trail. Red areas are tipping sites.

Site A- Period No. 1 and Period No. 5 Mining Claims

Site B- OK and LE (This site is upstream of the Deer Valley snowmaking reservoir).

Attachment B – General Location Map of Tipping Sites





**CONSTRUCTION  
MITIGATION PLAN**

**OFF-SITE ROAD IMPROVEMENT PLAN**

**EXHIBIT "A"**

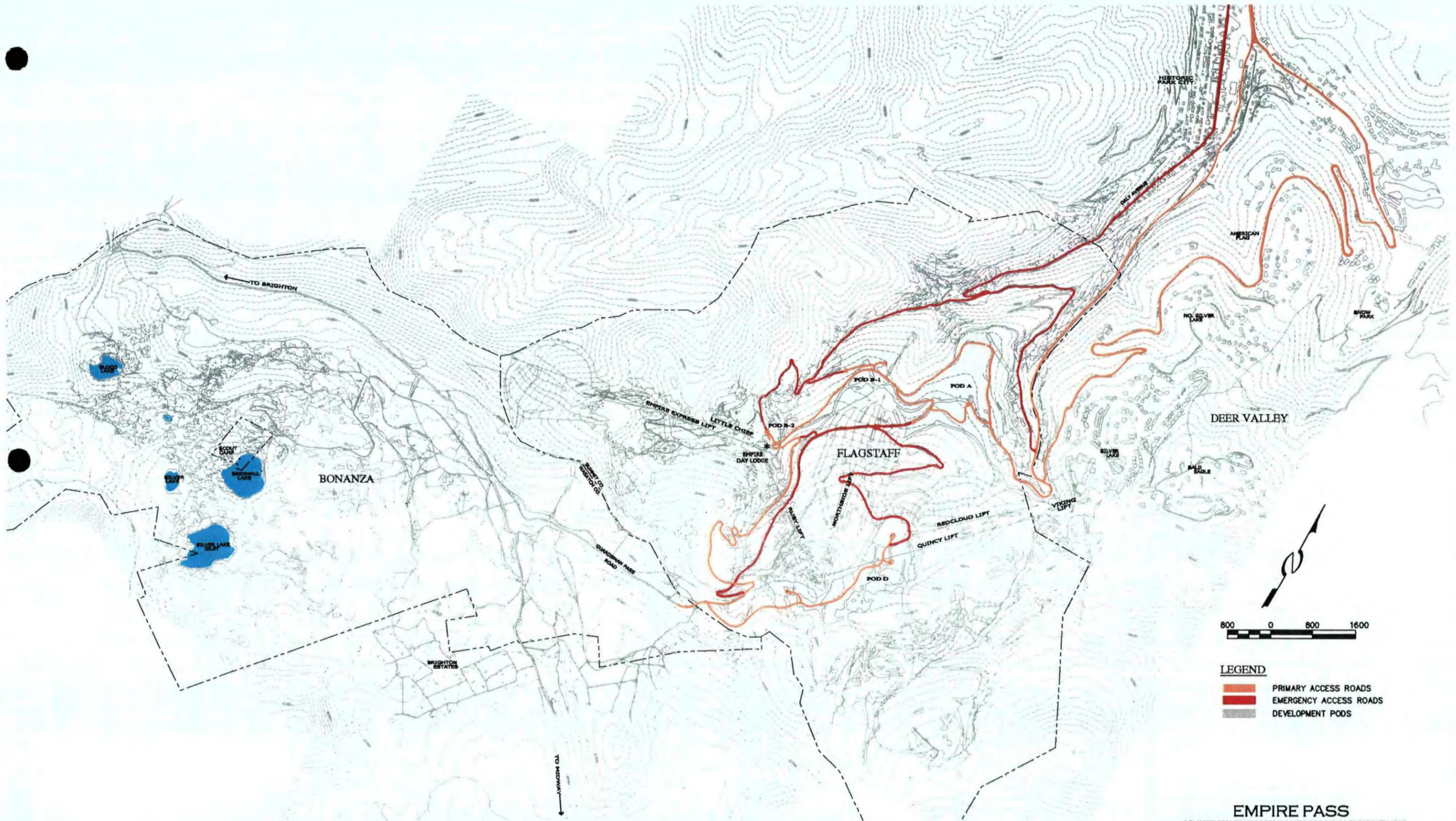
REVISED FEBRUARY 16, 2004

**EMPIRE PASS**

A PLANNED RESORT COMMUNITY LOCATED IN DEER VALLEY, PARK CITY, UTAH.

DEVELOPED BY:  
UNITED PARK CITY MINES COMPANY  
P.O. BOX 1480 PARK CITY, UTAH 84060  
PHONE (435) 649-6011 FAX (435) 649-6035

PLANNED BY:  
ALLIANCE ENGINEERING INC. ENGINEERS, SURVEYORS, & PLANNERS  
DOUGLAS CLYDE, PLANNING, PERMITTING, & ENTITLEMENTS



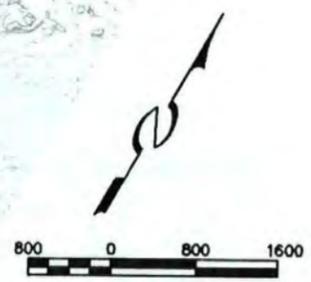
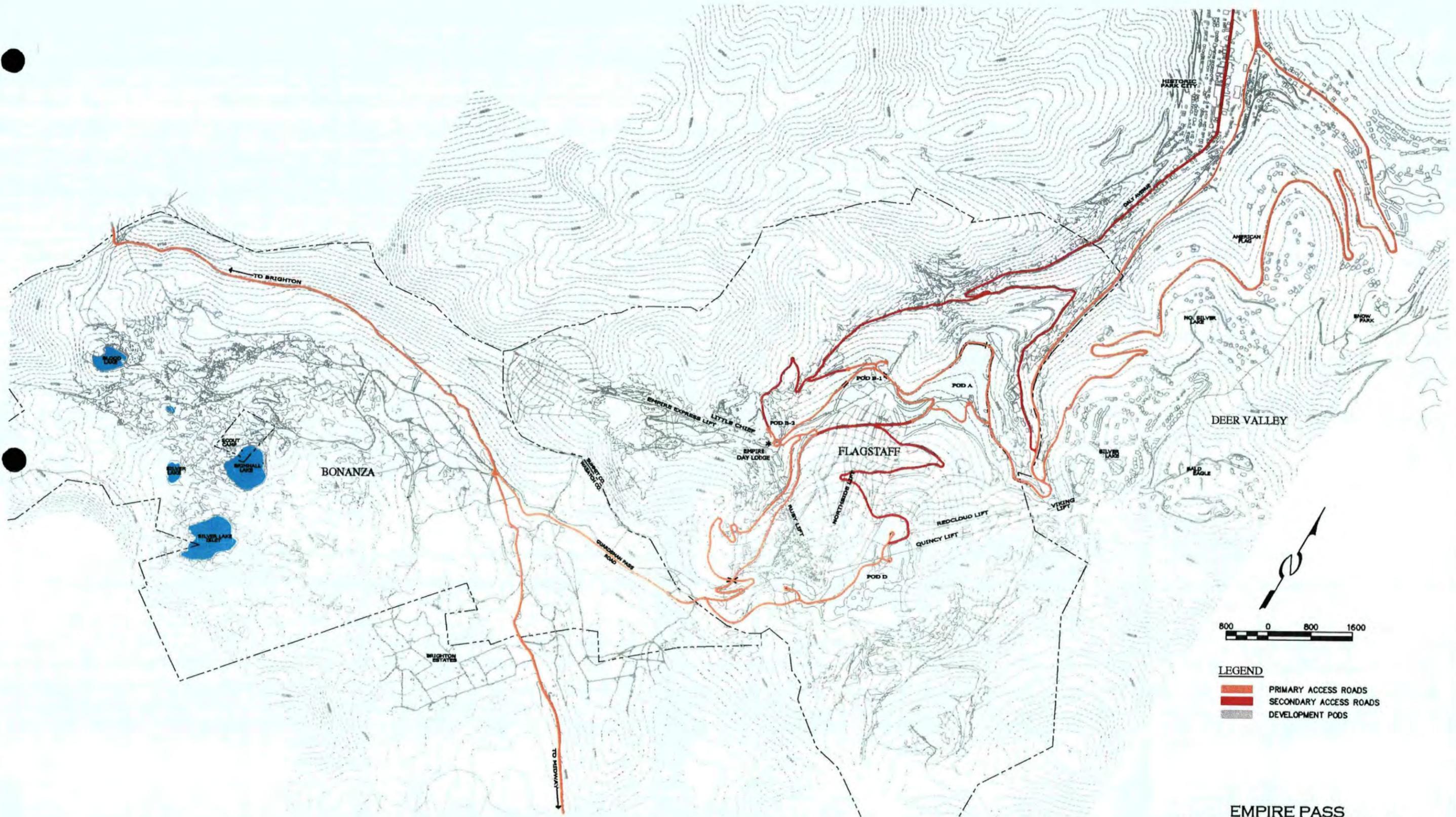
**CONSTRUCTION MITIGATION PLAN**  
REVISED: FEBRUARY 16, 2004

**EMERGENCY ACCESS PLAN  
 EXHIBIT "B-1" - WINTER**

- LEGEND**
- PRIMARY ACCESS ROADS
  - EMERGENCY ACCESS ROADS
  - DEVELOPMENT PODS

**EMPIRE PASS**  
 A PLANNED RESORT COMMUNITY LOCATED IN DEER VALLEY, PARK CITY, UTAH

DEVELOPED BY:  
 UNITED PARK CITY MINES COMPANY  
 P.O. BOX 1450 PARK CITY, UTAH 84060  
 PHONE (435) 649-8011 FAX (435) 649-8035  
 PLAN PREPARED BY:  
 ALLIANCE ENGINEERING INC. ENGINEERS, SURVEYORS, & PLANNERS  
 DOUGLAS CLYDE, PLANNING, PERMITTING, & ENTITLEMENTS

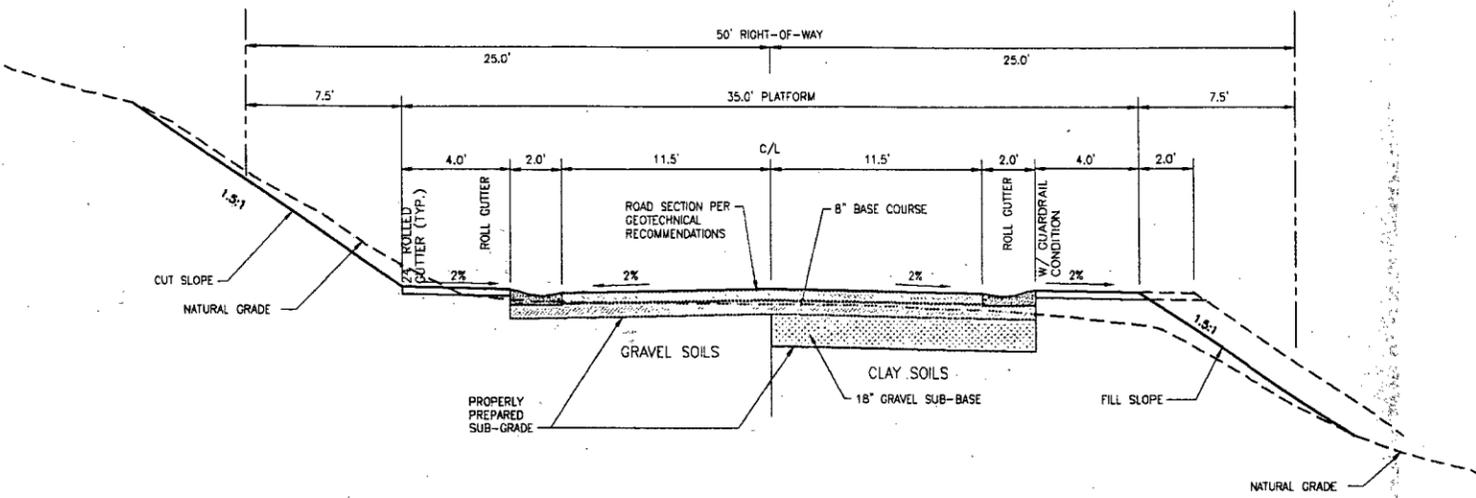


- LEGEND**
- PRIMARY ACCESS ROADS
  - SECONDARY ACCESS ROADS
  - DEVELOPMENT PODS

**CONSTRUCTION MITIGATION PLAN**  
REVISED: FEBRUARY 16, 2004

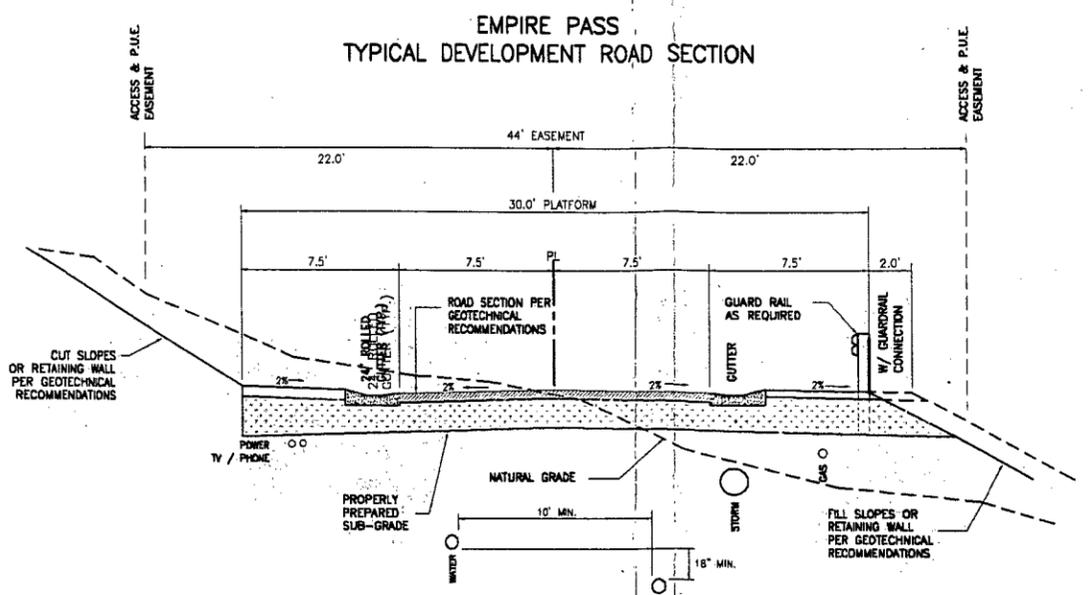
**EMERGENCY ACCESS PLAN  
 EXHIBIT "B-2" - SUMMER**

**EMPIRE PASS**  
 A PLANNED RESORT COMMUNITY LOCATED IN DEER VALLEY, PARK CITY, UTAH.  
 DEVELOPED BY:  
 UNITED PARK CITY MINES COMPANY  
 P.O. BOX 1450 PARK CITY, UTAH 84060  
 PHONE (435) 649-9011 FAX (435) 649-9035  
 PLANS PREPARED BY:  
 ALLIANCE ENGINEERING INC. ENGINEERS, SURVEYORS, & PLANNERS  
 DOUGLAS G. DYCK, PLANNING, PERMITTING, & ENTITLEMENTS



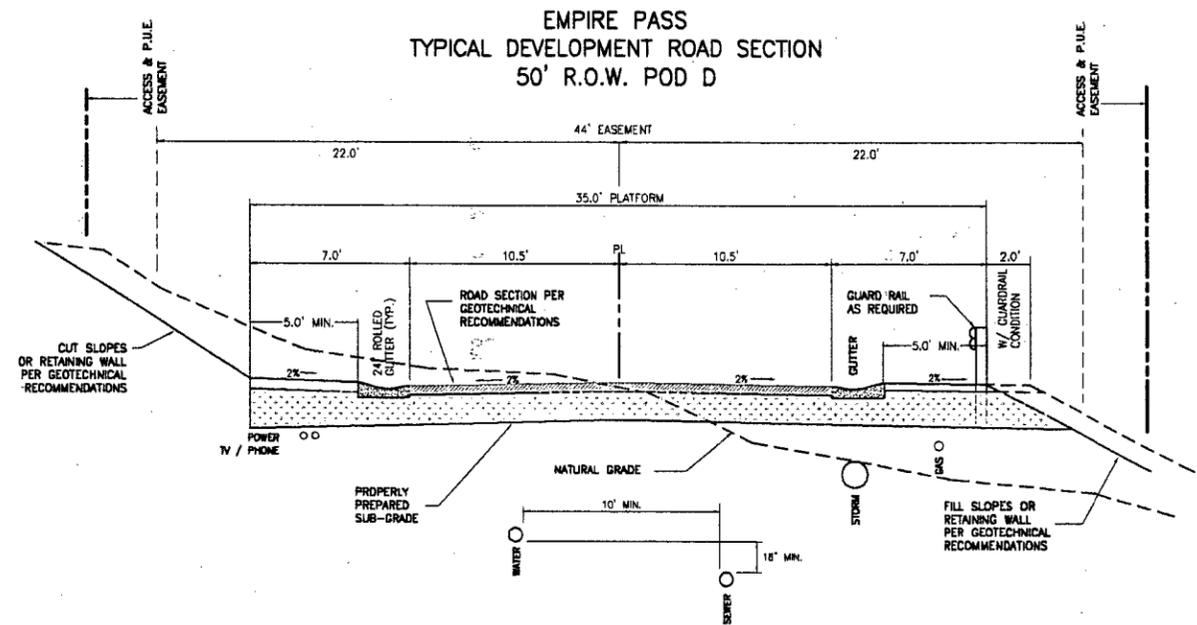
ACCESS ROAD OUTSIDE DEVELOPMENT SITES

X:\Empire\dwg\bases\rdsects\road section1-23fl asphalt.dwg



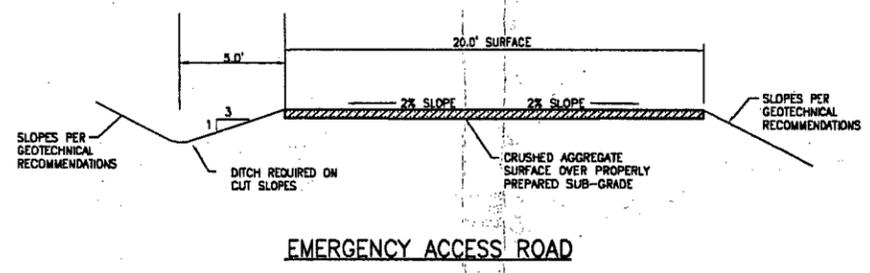
PRIVATE ROAD 2 WITHIN DEVELOPMENT SITES

Z:\UPCMC\FLOSTFF\OVERALL\ROAD SECTIONS\PRIVATE1-REV1



PRIVATE ROAD 1 WITHIN DEVELOPMENT SITES

Z:\UPCMC\FLOSTFF\OVERALL\ROAD SECTIONS\PRIVATE1-REV1



EMERGENCY ACCESS ROAD

CONSTRUCTION MITIGATION PLAN

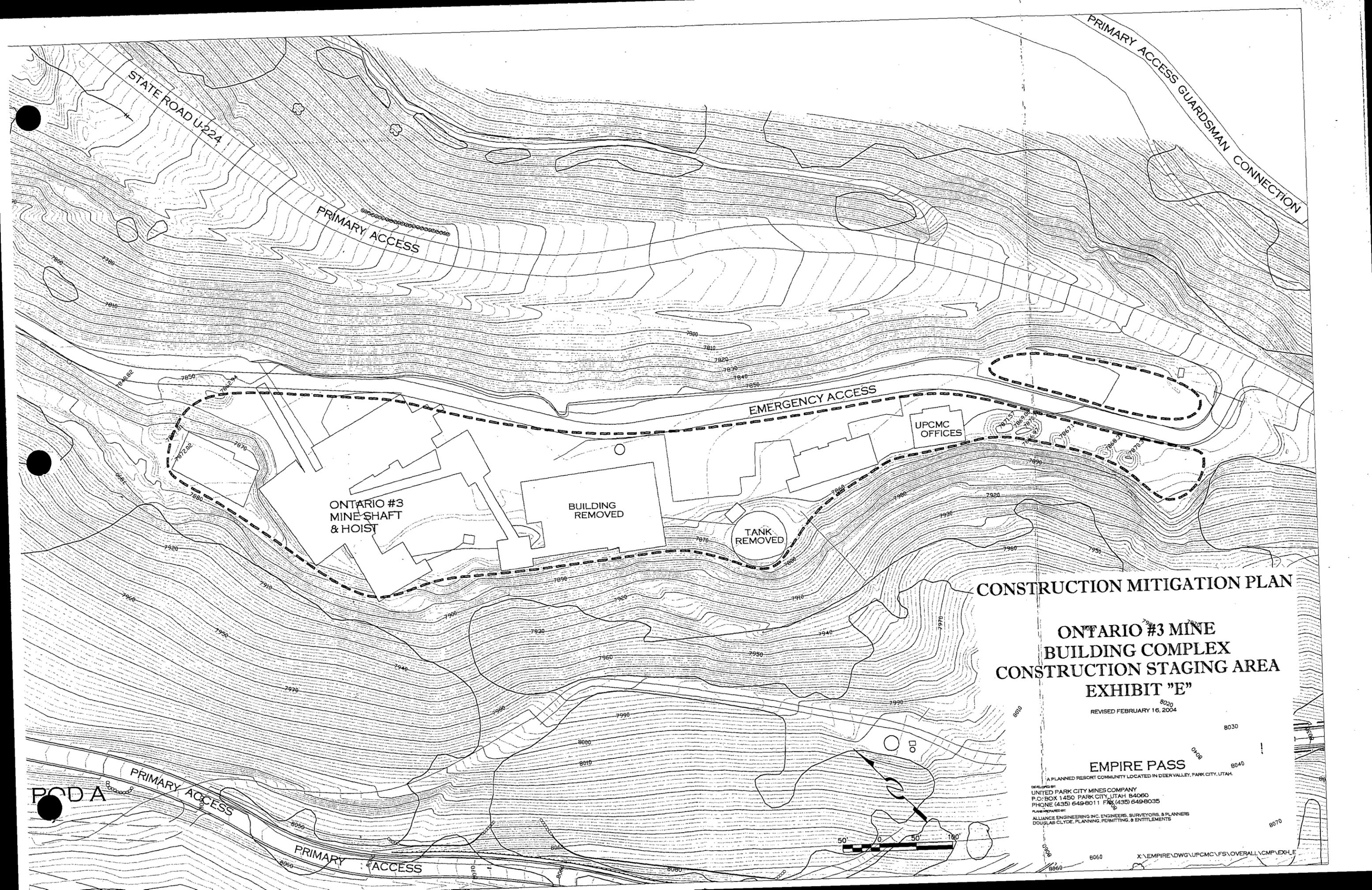
REVISED FEBRUARY 16, 2004

ROAD CROSS SECTIONS  
EXHIBIT "C"

EMPIRE PASS

A PLANNED RESORT COMMUNITY LOCATED IN DEER VALLEY, PARK CITY, UTAH.  
DEVELOPED BY:  
UNITED PARK CITY MINES COMPANY  
P.O. BOX 1450 PARK CITY, UTAH 84060  
PHONE (435) 649-8011 FAX (435) 649-8035  
PLANS PREPARED BY:  
ALLIANCE ENGINEERING INC. ENGINEERS, SURVEYORS, & PLANNERS  
DOUGLAS GLYDE, PLANNING, PERMITTING, & ENTITLEMENTS  
REVISED 1 JANUARY 13, 2004

X:\EMPIRE\DWG\UPCMC\FLOSTFF\OVERALL\COMP\EXH-C



**CONSTRUCTION MITIGATION PLAN**

**ONTARIO #3 MINE  
BUILDING COMPLEX  
CONSTRUCTION STAGING AREA  
EXHIBIT "E"**

REVISED FEBRUARY 16, 2004

**EMPIRE PASS**

A PLANNED RESORT COMMUNITY LOCATED IN DEER VALLEY, PARK CITY, UTAH

DEVELOPED BY:  
UNITED PARK CITY MINES COMPANY  
P.O. BOX 1450 PARK CITY, UTAH 84060  
PHONE (435) 649-8011 FAX (435) 649-8035

PLANS PREPARED BY:  
ALLIANCE ENGINEERING INC. ENGINEERS, SURVEYORS, & PLANNERS  
DOUGLAS CLYDE, PLANNING, PERMITTING, & ENTITLEMENTS