

FEDERAL EMERGENCY MANAGEMENT AGENCY
APPLICANT INFORMATION SHEET

APPLICANT	FIPS #	DISASTER #		
EAST BAY REGIONAL PARK SERVICES	000-UH96N-00	FEMA	1628	DR
LOCATION/SITE	PROJECT REFERENCE #	COUNTY		
BLACK DIAMOND MINES/ GREAT HOUSE PORTAL	OPS-046	CONTRA COSTA		
DESCRIPTION OF WORK PERFORMED/PROJECT TITLE		PERIOD COVERING		
GREAT HOUSE PORTAL TUNNEL		DEC 31,2005		

NOTE: Fill out the information on this document FIRST. This form is linked to all the forms in "Ken's Forms."

FEDERAL EMERGENCY MANAGEMENT AGENCY
APPLICANT INFORMATION SHEET

CA
CATEGORY
G

PROJECT WORKSHEET SEQUENCE SCHEDULE CHECKSHEET

APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	04/24/06
FIPS #	000-UH96N-00	PROJ. #	OPS-046

ITEM	DESCRIPTION	SHEET
1	TRANSMITTAL	<input type="text"/>
2	PROJECT WORKSHEET SEQUENCE SCHEDULE CHECKSHEET	1
3	EXIT INTERVIEW (INCLUDE WITH FINAL PW)	<input type="text"/>
4	PROJECT WORKSHEET	2
5	PW CONTINUATION SHEETS (IF NEEDED)	<input type="text"/>
6	PROJECT SUMMARY SHEET (OPTIONAL & OF YOUR OWN DESIGN)	<input type="text"/>
7	PW SITE CALCULATION SHEET (COMBINATION FORM)	<input type="text"/>
8	SPECIAL CONSIDERATIONS FORM (9 QUESTIONS)	3
9	SITE SHEET	<input type="text"/>
10	FORCE ACCOUNT COMPLETED SUMMARY SHEET	<input type="text"/>
11	FORCE ACCOUNT LABOR	<input type="text"/>
12	FORCE ACCOUNT EQUIPMENT	<input type="text"/>
13	FORCE ACCOUNT MATERIALS	<input type="text"/>
14	FORCE ACCOUNT RENTED EQUIPMENT	<input type="text"/>
15	FORCE ACCOUNT CONTRACTOR	<input type="text"/>
16	SKETCH (IF NEEDED)	4
17	INSURANCE DOCUMENTATION (IF REQUIRED)	<input type="text"/>
18	SITE MAP	5
19	FLOOD PLAIN LOCATION (FIRM) MAP	6
20	HAZARD MITIGATION PROPOSAL (GOLD)	7
21	PHOTOS	8 to 11

22	"DO NOT COPY"	<input type="text"/>
23	BACKUP DOCUMENTATION	<input type="text"/>
24	APPLICANT BENEFITS CALCULATION SHEET	<input type="text"/>

Federal Emergency Management Agency

Project Worksheet

Declaration No. FEMA- 1628 DR- CA	Project No. OPS-046	FIPS No. 000-UH96N-00	Date 04/24/06	Category G
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Damaged Facility: Wood Tunnel	Work Completed as of:	
	Date: 4/24/2006	Per Cent: 0%

Applicant: EAST BAY REGIONAL PARK SERVICES	County: CONTRA COSTA
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Location: BLACK DIAMOND MINES/ GREAT HOUSE PORTAL	Latitude: 37.95500	Longitude: -121.86599
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Damage Description & Dimensions: LAT/LONG WERE OBTAINED AT THE ENTRANCE OF THE TUNNEL DURING DECEMBER 31 ST 2005 RAIN STORMS, THE MUSEUM ENTRANCE TUNNEL AT THE GREAT HOUSE PORTAL IN THE BLACK DIAMOND MINES STARTED TO CAVE IN. THE PARK SERVICE STAFF SHORED THE ENTRANCE USING ADJUSTABLE METAL POSTS. THE SOIL ABOVE THE ENTRANCE TUNNEL WAS SATURATED; A LAYER OF SHALE BEDS IS DIRECTLY UNDERNEATH THE TOP SOIL. BOTH LAYERS GOT HEAVY DUE TO SATURATION, THE TUNNEL STARTED TO CAVE IN. THE WOOD TIMBER STES STARTED TO GIVE IN (75 PSC). THE APPLICANT SPREAD PLASTIC TARP ON THE TOP SOIL TO PREVENT FURTHER SATURATION.THE COMPROMISED PORTION OF THE TUNNEL IS 100 LF.

DAMAGED ITEM:

1. (75 EACH) TIMBER SETS. THE TIMBER SETS ARE 2 VERTICAL MEMBERS (ABOUT THE HIGHT OF THE TUNNEL) SUPPORTING A HORIZONTAL MEMBER (ABOUT THE WIDTH OF THE TUNNEL). TIMBERSETS ARE 8 FT HIGH 12 INCH X 12 INCH, THE HORIZONTAL MEMBER IS 7 FT LONG 12 INCH X12 INCH .THE TIMBER SETS ARE SPACED IRREGULARLEY, THERE ARE 75 TIMBER SETS. THE CURRENT UNDERGROUND DESIGN PRACTICE DOES NOT ALLOW TIMBER TO BE USED IN PERMINANT TUNNEL SUPPORTS. THE NEW METHOD OF SUPORTING TUNNELS IS TO USE SHOT CRETE AND STEEL SETS USED IN CONJUNCTION WITH SELF-DRILLING SPILES 12 FT LONG.

Scope of Work:

THE WORK WILL COMPLETED BY A CONTRACTOR. THE APPLICANT 'S CONSULTANT (JACOBS ASSOCIATES) PROVIDED AN ESTIMATE TO COMPLETE THE WORK. THE DAMAGED AREA OF THE PORTAL WHICH INCLUDES THE FRONT OF THE PORTAL AND 100 FT LONG TUNNEL SUPPORT.THE CURRENT UNDERGROUND DESIGN PRACTICE DOES NOT ALLOW TIMBER TO BE USED IN PERMINANT TUNNEL SUPPORTS. THE NEW METHOD OF SUPORTING TUNNELS IS TO USE SHOT CRETE AND STEEL SETS USED IN CONJUNCTION WITH SELF-DRILLING SPILES 12 FT LONG. THE WORK SHALL INCLUDE THE FOLLOWING:

1. MOBILIZATION.
2. PORTION OF THE RETAINING WALL (12 FT WIDE AT THE PORTAL)
3. MINING RE-SUPPORT (PORTAL TO 100 FT ONLY, WHERE THE FAILED SHALE LAYER EXTENDS).

SEE ATTACHED APPLICANT'S CONSULTANT ESTIMATE.

(SEE CONTINUATION SHEET)

Does the Scope of Work change the pre-disaster conditions at the site?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Special Considerations issues included?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Is there insurance coverage on this facility?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Hazard Mitigation proposal included?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

Project Costs						
Item	Code	Narrative	Quant.	Unit	Unit Price	Cost
		WORK TO BE COMPLETED				\$0.00
1	9999	RETAINING WALL AT THE PORTAL	12	FT	\$725.45	\$8,705.40
2	9999	MINING RE- SUPPORT	100	LF	\$1,517.42	\$151,742.00
3	9999	MOBILIZATION (10%)	0.1	%	\$160,447.40	\$16,044.74
4		CURVE B ENGINEERING	0.11	%	\$176,492.14	\$19,414.14
Total Cost						\$195,906

PREPARED BY: Emad Alkhasawneh	TITLE: Project Officer
APPLICANT:	DATE: 4/24/2006

FEDERAL EMERGENCY MANAGEMENT AGENCY

SPECIAL CONSIDERATIONS QUESTIONS			
APPLICANT:	EAST BAY REGIONAL PARK SERVICES		PROJECT NAME:
FIPS #:	000-UH96N-00	PROJECT #	OPS-046
			DATE:

1. Does the damaged facility or item of work have insurance and/or is it an insurable risk? (e.g. building)

YES NO UNSURE

Comments:

2. Is the damaged facility located within a floodplain or coastal high hazard area, or does it have an impact?

YES NO UNSURE

Comments: panel 350 of 625 community panel Number 060025 0350 B

3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System?

YES NO UNSURE

Comments:

4. Will the proposed facility repairs/reconstruction change the pre-disaster condition? (e.g., footprint, materials)

YES NO UNSURE

Comments: the tunnel entrance used to be constructed out of wood, new mining code and reinforced concrete shall be utilized.

5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance?

YES NO UNSURE

Comments:

6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is there any other similar buildings near the site?

YES NO UNSURE

Comments: The wood planks that lines the entrance were built in 1974. Non of the old wood was considered to historical

7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forest?

YES NO UNSURE

Comments:

8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?

YES NO UNSURE

Comments:

9. Are there any other environmentally or controversial issues associated with the damaged facility?

YES NO UNSURE

Comments: red legged frogs, whip snake

FEDERAL EMERGENCY MANAGEMENT AGENCY

Wood Tunnel
04/24/06
<i>(Buildings, equipment, vehicles, etc.)</i>
act on a floodplain or wetland?
in Unit or an otherwise protected area?
material, location, capacity, use or function)
regulations prohibit the use of wood,
for a hazard mitigation proposal?
it older than 50 years? Are there more,
d planks survived. The entire park is
forestland?
and/or item of work?

FEDERAL EMERGENCY MANAGEMENT AGENCY

SKETCH

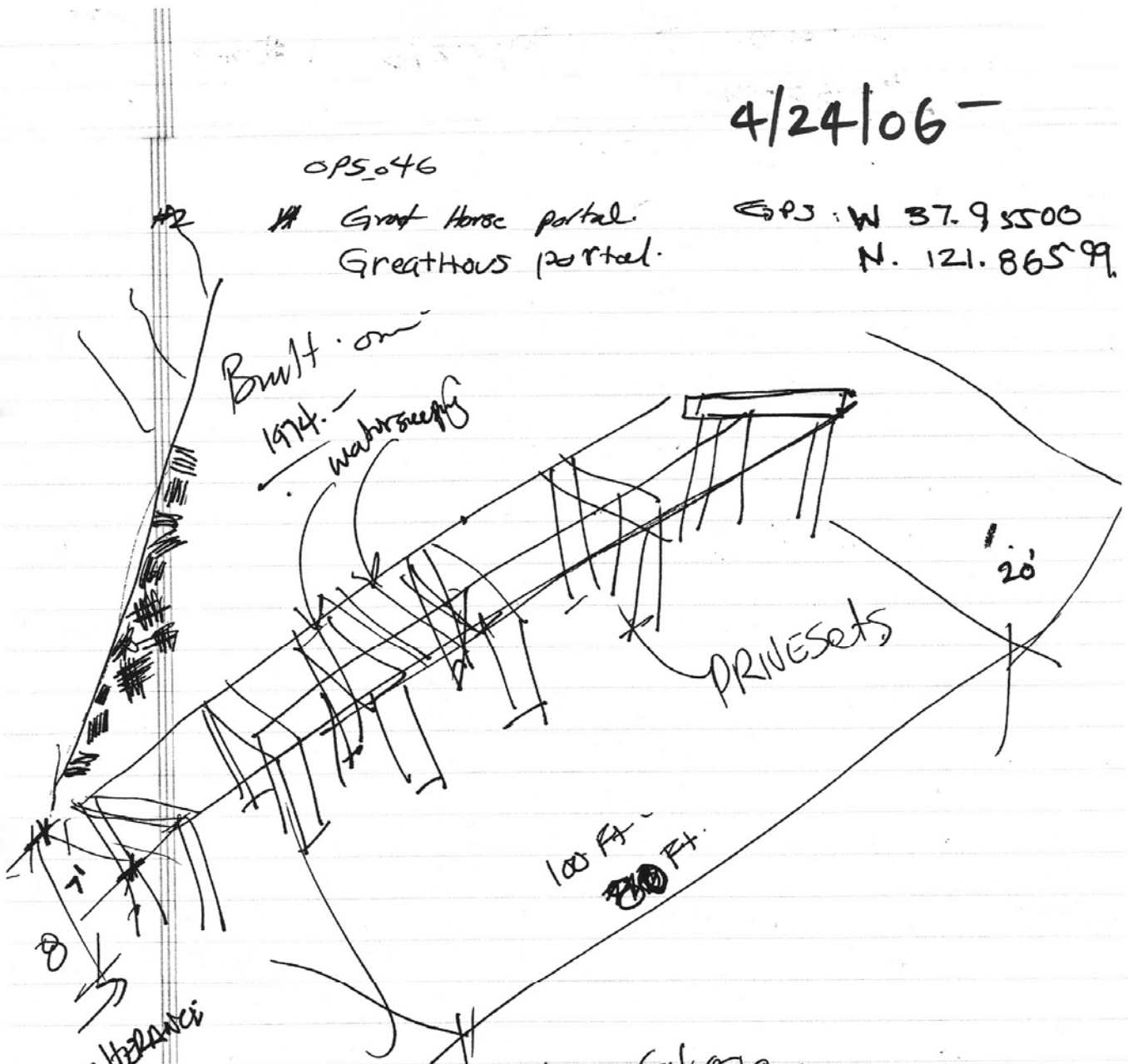
APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	4/24/2006
FIPS #:	000-UH96N-00	PROJ. #	OPS-046

4/24/06

OPS-046

Great Horse portal.
Great House portal.

EPS: W 37.95500
N. 121.86599



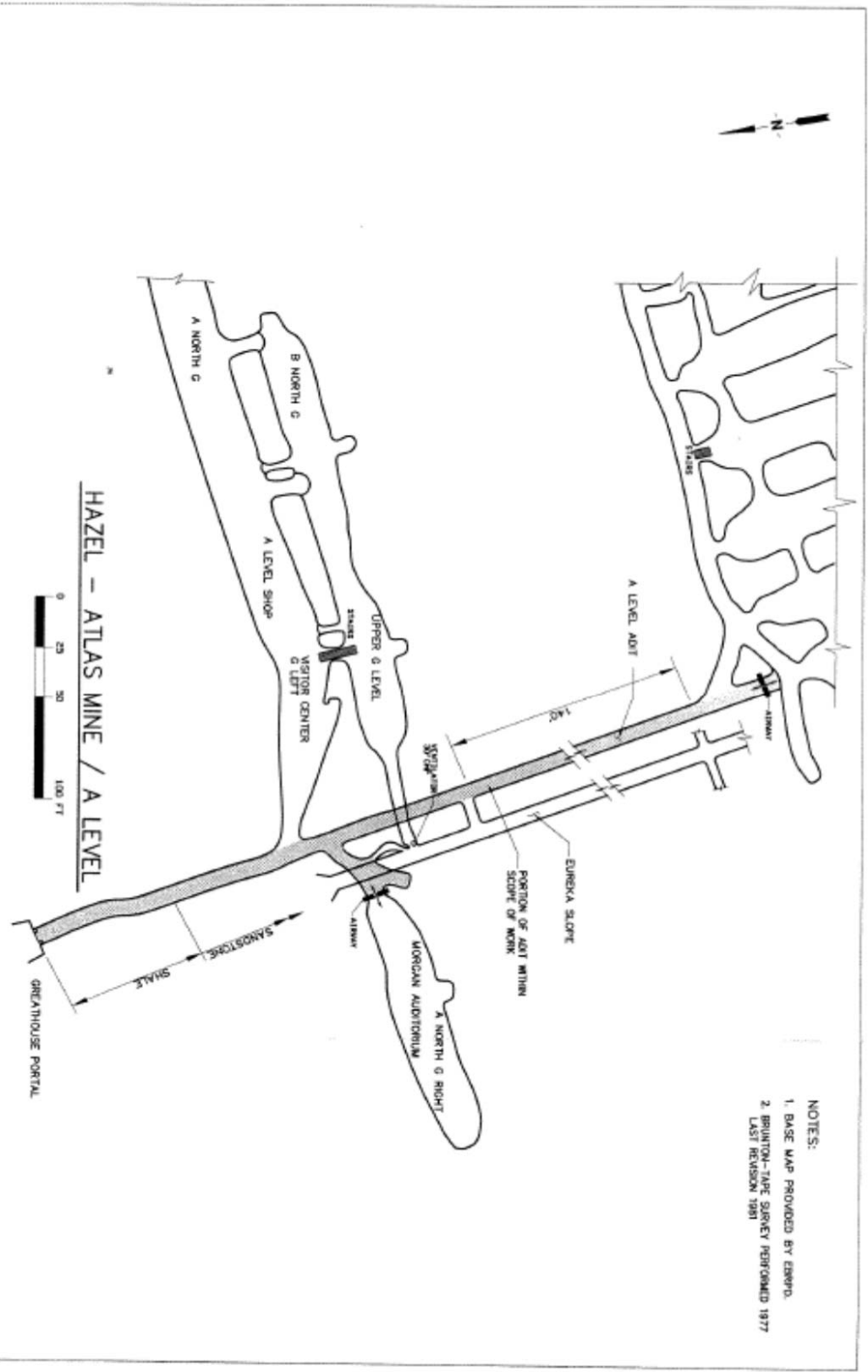
- CODE MINE structure → Cal: Ostr → Winem Cave
- Water damaged the Wood set Caved in. they supported it w/ Large SCORNS.
- code & standard shot no other

FEDERAL EMERGENCY MANAGEMENT AGENCY

SKETCH

APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	Project Officer
FIPS #:	000-UH96N-00	PROJ. #	0

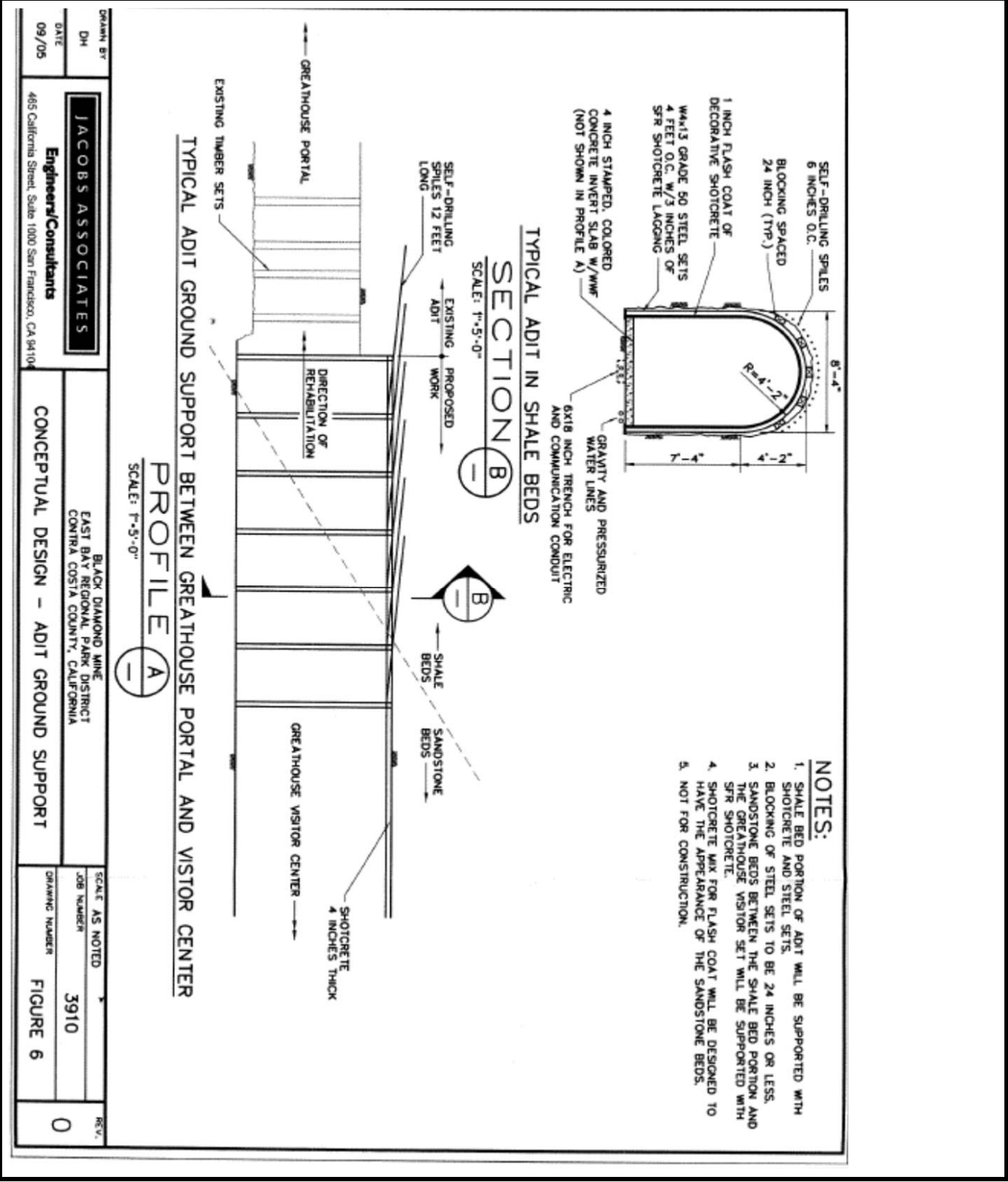
DRAWN BY RHS	JACOBS ASSOCIATES Engineers/Consultants 465 California Street, Suite 1000 San Francisco, CA 94104	BLACK DIAMOND MINE EAST BAY REGIONAL PARK DISTRICT CONTRA COSTA COUNTY, CALIFORNIA EXISTING CONDITIONS - A LEVEL ADIT	SCALE AS SHOWN	REV.
DATE 11/08/2005			JOB NUMBER 3910	DRAWING NUMBER FIGURE 3



- NOTES:
1. BASE MAP PROVIDED BY ERMPL.
 2. BRUNTON-TAPE SURVEY PERFORMED 1977
LAST REVISION 1981

SKETCH

APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	1/0/1900
FIPS #:	000-UH96N-00	PROJ. #	0

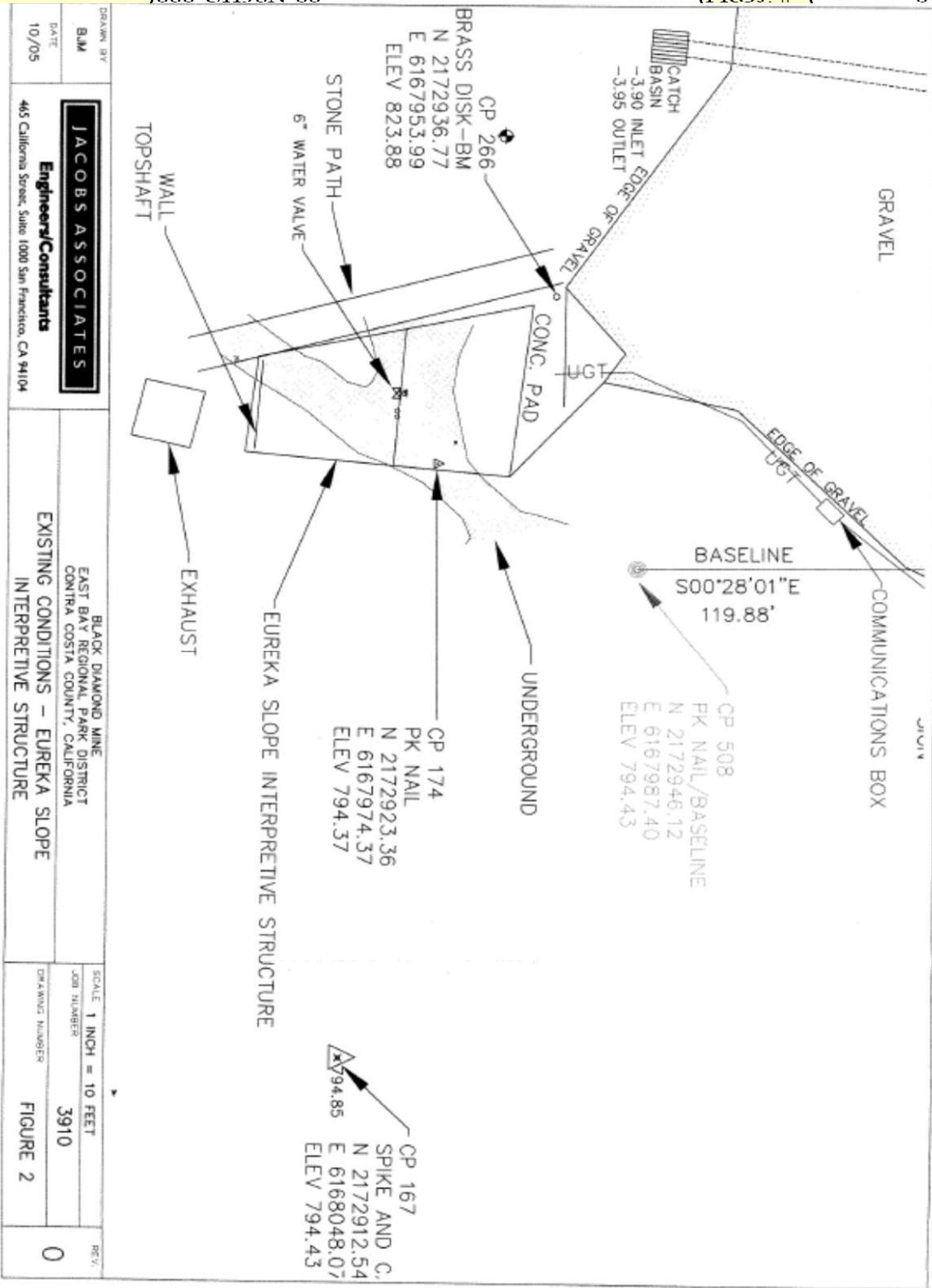


DRAWN BY: DH	JACOBS ASSOCIATES Engineer/Consultants	BLACK DIAMOND NAME	SCALE: AS NOTED	REV:
DATE: 09/05		EAST BAY REGIONAL PARK DISTRICT CENTRA COSTA COUNTY, CALIFORNIA	JOB NUMBER: 3910	0
465 California Street, Suite 1000 San Francisco, CA 94104		CONCEPTUAL DESIGN - ADIT GROUND SUPPORT	DRAWING NUMBER: FIGURE 6	

FEDERAL EMERGENCY MANAGEMENT AGENCY

SKETCH

APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	1/0/1900
FIPS #:	000-UH96N-00	PROJ. #	0

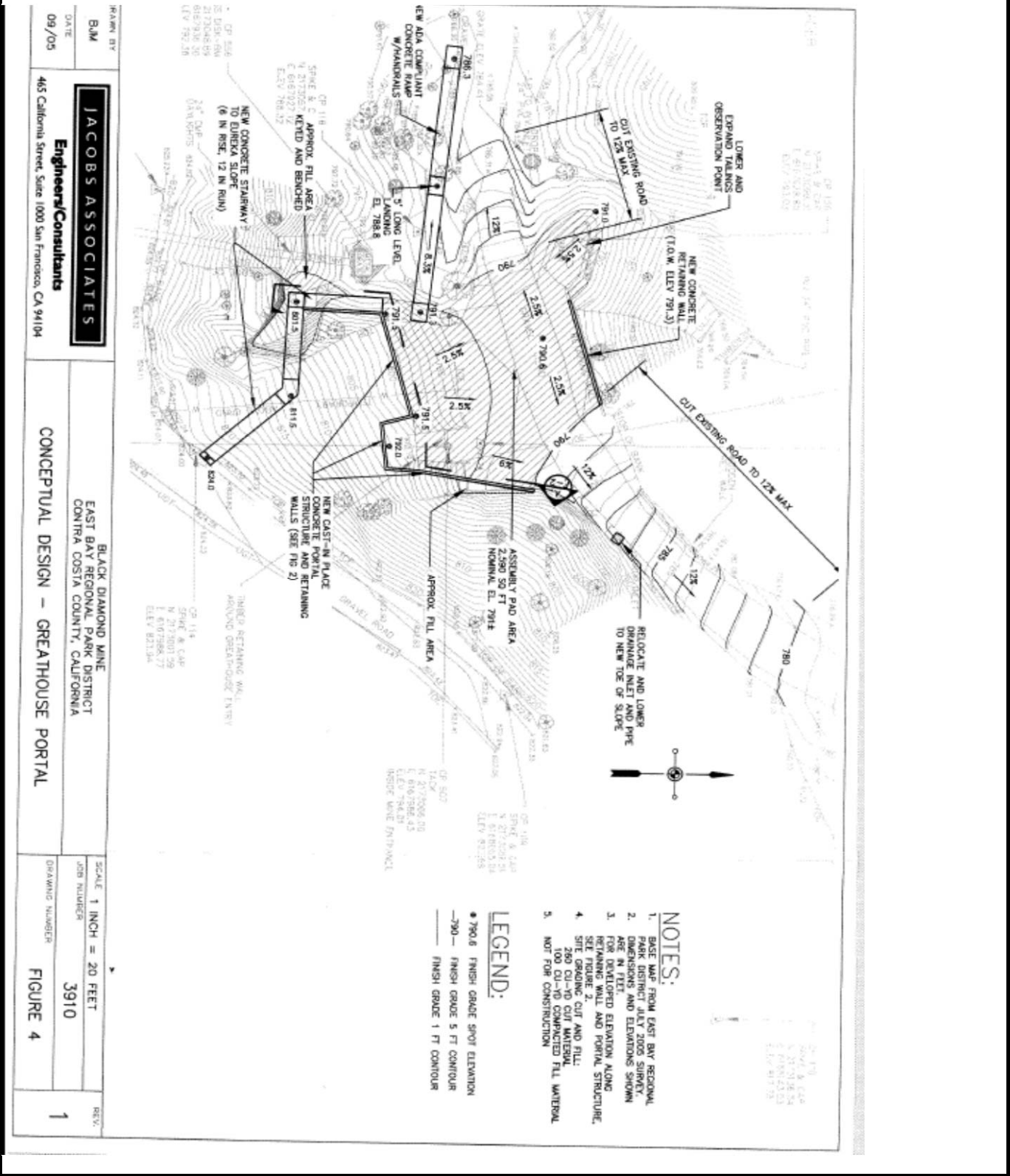


DRAWN BY JACOBS ASSOCIATES Engineers/Consultants 465 California Street, Suite 1000 San Francisco, CA 94104	BLACK DIAMOND MINE EAST BAY REGIONAL PARK DISTRICT CONTRA COSTA COUNTY, CALIFORNIA EXISTING CONDITIONS - EUREKA SLOPE INTERPRETIVE STRUCTURE	SCALE 1 INCH = 10 FEET JOB NUMBER 3910 DRAWING NUMBER FIGURE 2	REV. 0
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FEDERAL EMERGENCY MANAGEMENT AGENCY

SKETCH

APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	1/0/1900
FIPS #:	000-UH96N-00	PROJ. #	0



DRAWN BY: **JACOBS ASSOCIATES**
 DATE: 09/05
 465 California Street, Suite 1000 San Francisco, CA 94104
Engineers/Consultants

BLACK DIAMOND MINE
 EAST BAY REGIONAL PARK DISTRICT
 CONTRA COSTA COUNTY, CALIFORNIA
CONCEPTUAL DESIGN - GREATHOUSE PORTAL

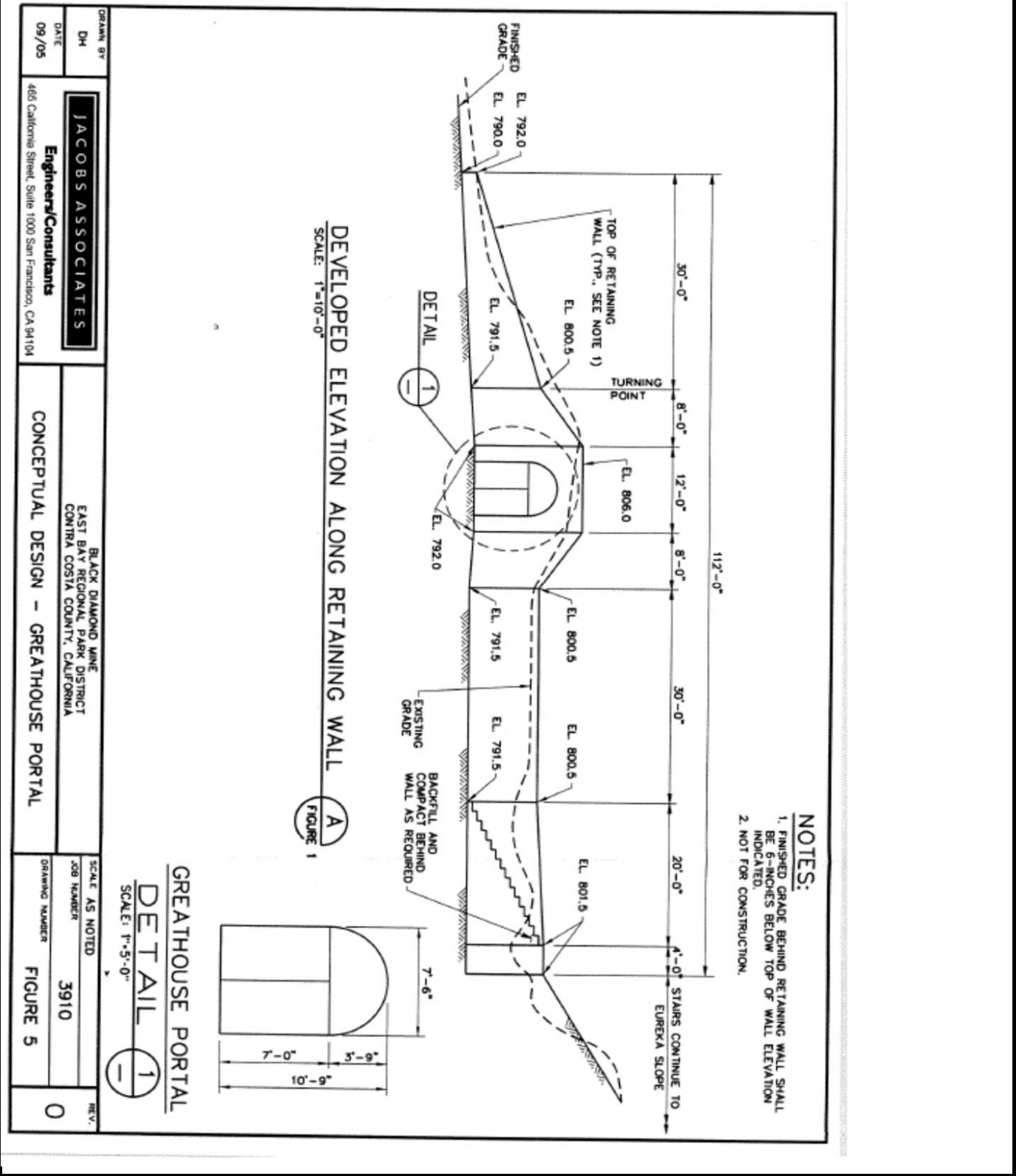
SCALE 1 INCH = 20 FEET
 JOB NUMBER: 3910
 DRAWING NUMBER: **FIGURE 4**

REV: 1

- NOTES:**
1. BASE MAP FROM EAST BAY REGIONAL PARK DISTRICT JULY 2005 SURVEY.
 2. DIMENSIONS AND ELEVATIONS SHOWN ARE IN FEET.
 3. RETAINING WALL ELEVATION ALONG SET FINDER 2.
 4. SITE GRADING CUT AND FILL: 260 CU-YD CUT MATERIAL, 100 CU-YD COMPACTED FILL MATERIAL NOT FOR CONSTRUCTION.
- LEGEND:**
- 790.6 FINISH GRADE SPOT ELEVATION
 - 790- FINISH GRADE 5 FT CONTOUR
 - FINISH GRADE 1 FT CONTOUR

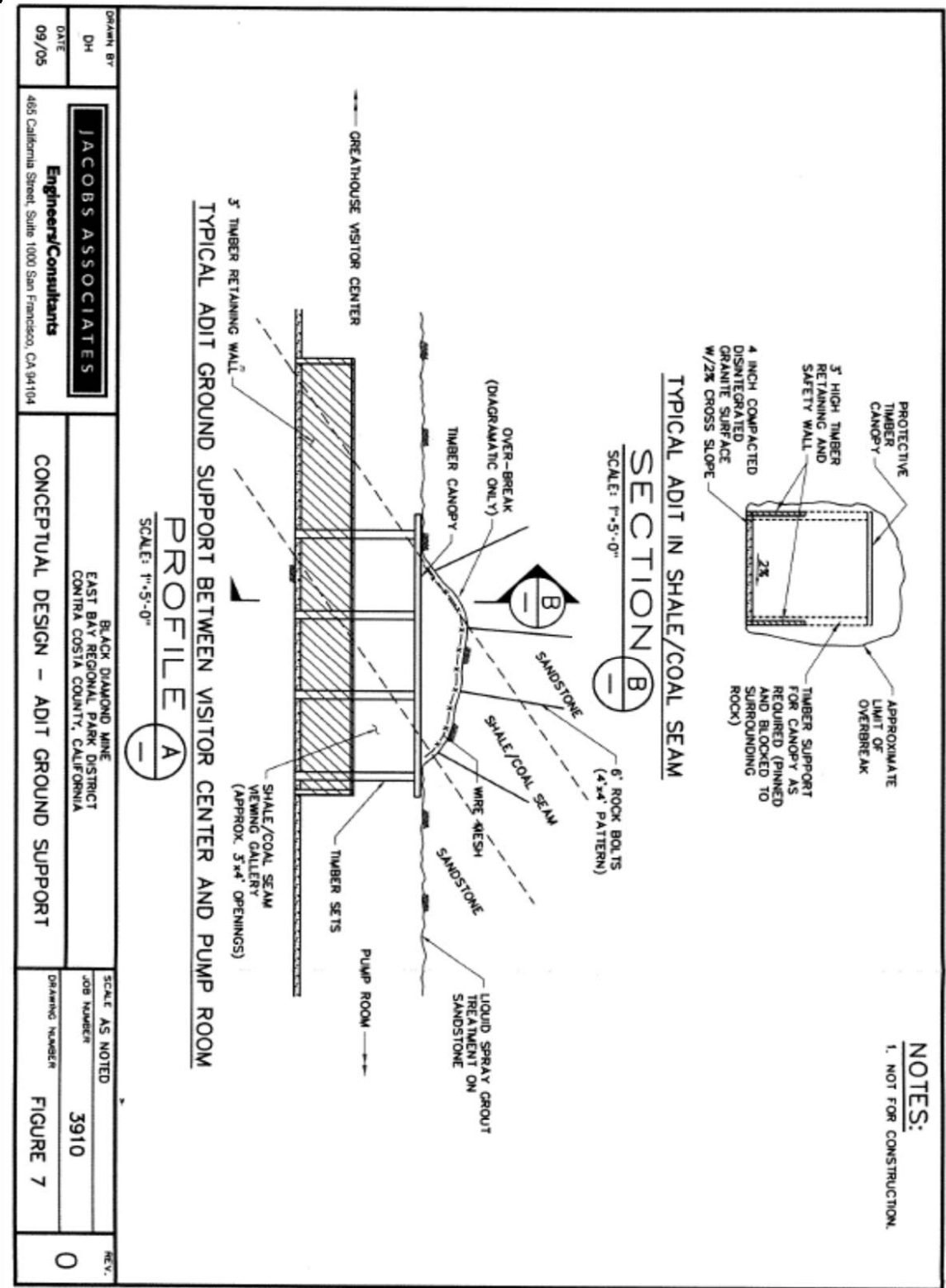
SKETCH

APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	1/0/1900
FIPS #:	000-UH96N-00	PROJ. #	0



SKETCH

APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	1/0/1900
FIPS #:	000-UH96N-00	PROJ. #	0



DATE: 09/05
 DRAWN BY: DH
JACOBS ASSOCIATES
 Engineers/Consultants
 485 California Street, Suite 1000 San Francisco, CA 94104

BLACK DIAMOND MINE
 EAST BAY REGIONAL PARK DISTRICT
 CONTRA COSTA COUNTY, CALIFORNIA
 CONCEPTUAL DESIGN - ADIT GROUND SUPPORT

SCALE AS NOTED
 JOB NUMBER: 3910
 DRAWING NUMBER: FIGURE 7
 REV: 0

FEDERAL EMERGENCY MANAGEMENT AGENCY

LOCATION MAP

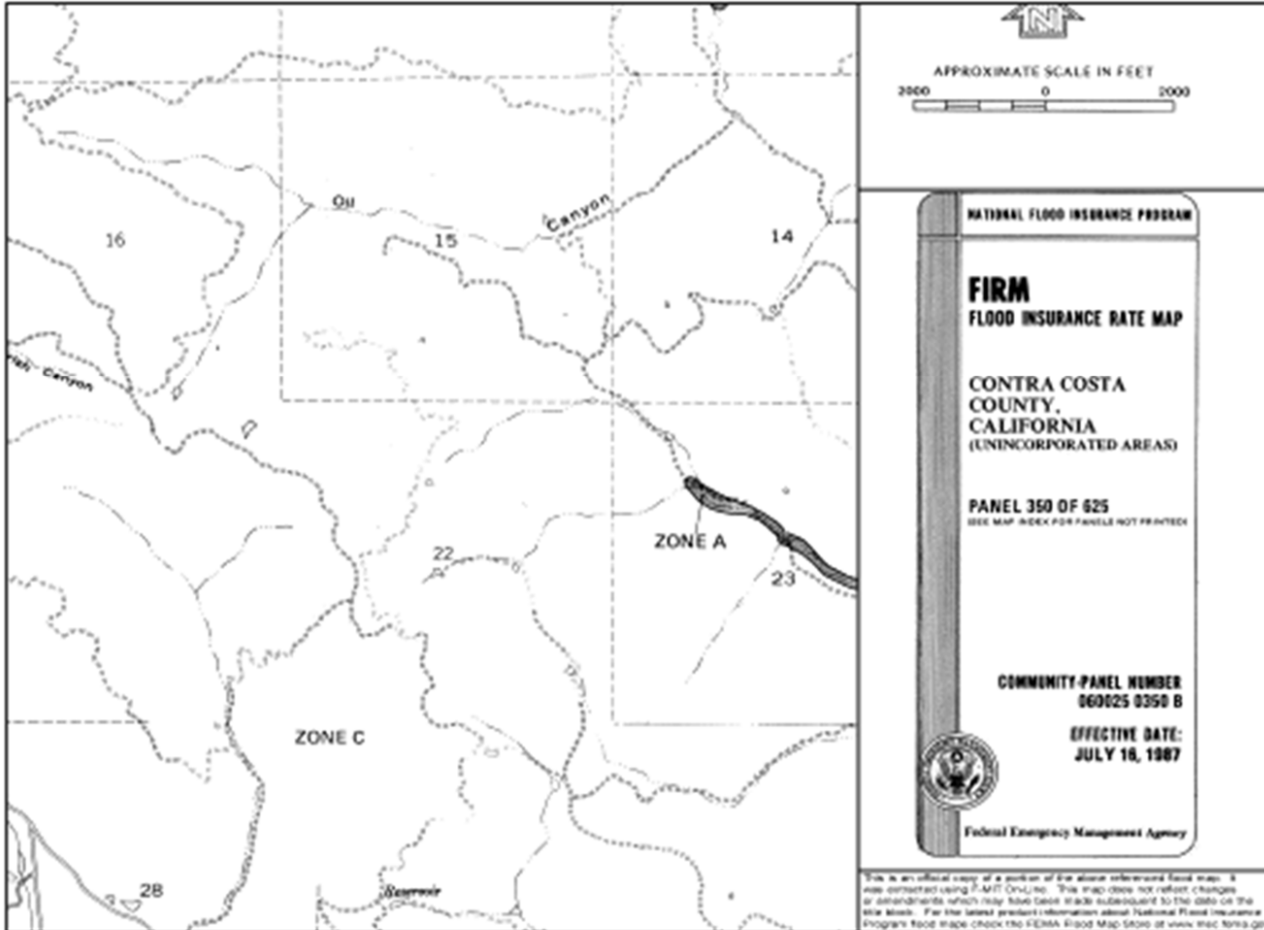
APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	4/24/2006
FIPS #:	000-UH96N-00	PROJ. #	OPS-046



FEDERAL EMERGENCY MANAGEMENT AGENCY

FLOOD MAPS

APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	4/24/2006
FIPS #:	000-UH96N-00	PROJ. #	OPS-046



FEDERAL EMERGENCY MANAGEMENT AGENCY				
HAZARD MITIGATION PROPOSAL (HMP)				
NAME OF APPLICANT:	EAST BAY REGIONAL PARK SERVICES		CATEGORY	PROJECT REFERENCE #
			G	OPS-046
SCOPE OF MITIGATION WORK:				
ESTIMATE OF WORK				
QUANTITY	UNIT	MATERIAL AND/OR DESCRIPTION	UNIT PRICE	COST (Dollars)
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
TOTAL			→	\$ -
<i>(Not to be included in PW)</i>				
RECOMMENDED BY (Signature)*		AGENCY	DATE	
CONCURRENCE BY STATE INSPECTOR (Signature)*		AGENCY	DATE	
CONCURRENCE BY LOCAL REPRESENTATIVE (Signature)*		AGENCY	DATE	
NOTE: Signature by the Federal Inspector is not an approval of this work, and signature by the State and local applicant is not a commitment to perform the work.				

FEDERAL EMERGENCY MANAGEMENT AGENCY

PHOTOS

APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	4/24/2006
FIPS #:	000-UH96N-00	PROJ. #	OPS-046



PHOTOS

APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	4/24/2006
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PHOTOS			
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PHOTOS			
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FEDERAL EMERGENCY MANAGEMENT AGENCY

BACK UP INFO			
APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	4/24/2006
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DO NOT COPY