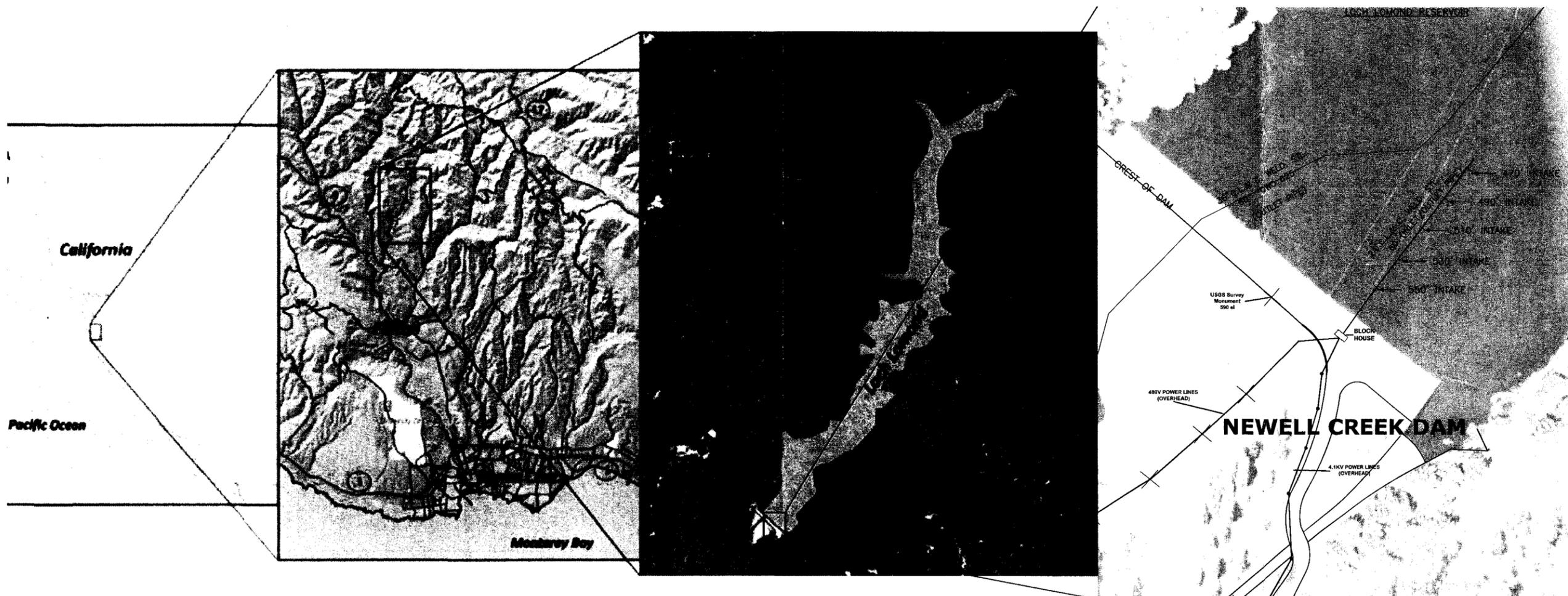




WATER DEPARTMENT

NEWELL CREEK DAM

INLET/OUTLET GATE REPAIRS



EXPANDED VIEW SITE MAP

INDEX

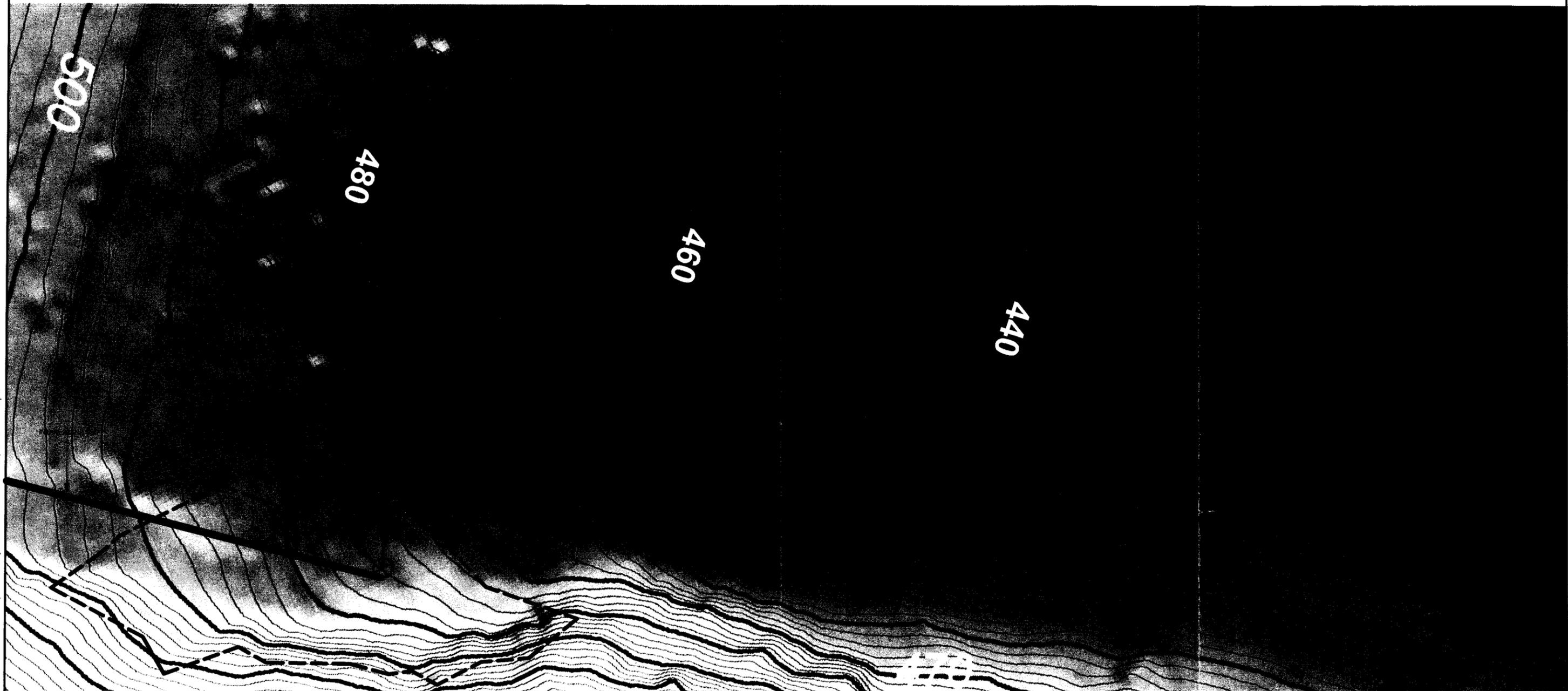
SHEET	DRAWING NAME		
1	TITLE SHEET AND EXPANDED VIEW SITE MAP	6	DREDGE AREA
2	NOTES	7	GATE 5 MODIFICATION
3	INTAKE DETAILS	8	GATE 5 MODIFICATION INTAKE DETAILS
4	GALVANIZED INTAKE TRASH RACK AND SCREEN	9	BLOCK HOUSE
5	STAINLESS STEEL INTAKE TRASH RACK AND SCREEN		



	CITY OF SANTA CRUZ WATER DEPARTMENT 212 Locust Street, Suite C Santa Cruz, CA 95060	
AUTHORIZED RCE NO. _____	DATE _____	
DATE: 01/28/2010 DESIGNER: R. ERNST CHECKED: CWO NO.: 09 - 010	NEWELL CREEK DAM INLET/OUTLET GATE REPAIRS TITLE SHEET AND EXPANDED VIEW SITE MAP	SCALE: NTS SHEET 1 OF 9 DRAWING NO. 3728B

Layout Tab Name: SHEET1, Images: figure2054-20.jpg; Intake Manifold Burial Details (2).jpg; LochLomond_Plot_Bathy-Interp-Zoom-Contour.jpg; NCD.location.map.tif; NCD_Google_2.jpg; Sediment_Sampling_mods.jpg; Sediment_Sampling_mods.jpg; P:\WTE\6700309_Loch Lomond Slide Gates\Plans&Specs\Final_NCD_Gate_Replacement_Plans.dwg, Plotted By: remst, Plotted: Jan 27, 2010 - 11:14am

GEOPHYSICAL PLOT WITH CONTOURS OF DREDGE AND DISPOSAL AREAS

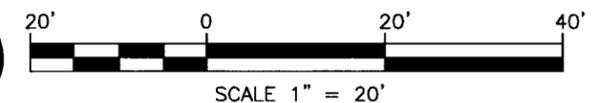


NOTES

1. THE APPROXIMATE DREDGE VOLUME IS 250 C.Y. FROM THE GATE 5 AREA AND APPROXIMATELY AN ADDITIONAL 70 TO 100 C.Y. FOR GATES 1-4 AND THE GATE 5 MODIFICATION CONSTRUCTION AREA FOR AN APPROXIMATE TOTAL OF 350 C.Y.. REFER TO THE MARINE GEOPHYSICAL SURVEY LOCH LOMOND RESERVIOR, CALIFORNIA BY SEA ENGINEERING, INC. DATED 12/15/08 AND THE LOCH LOMOND RESERVIOR SEDIMENT SAMPLING REPORT BY A+ ENVIRONMENTAL SOLUTIONS DATED 11/02/09 FOR ADDITIONAL INFORMATION.
2. ALL DREDGING AND CONSTRUCTION ACTIVITIES INCLUDING WATER QUALITY MONITORING AND ENVIRONMENTAL CONTROLS SHALL BE PREVIOUSLY APPROVED BY THE PROJECT ENGINEER, DEPARTMENT OF SAFETY OF DAMS, DEPARTMENT OF FISH AND GAME, AND ARMY CORPS OF ENGINEERS. REFER TO THE CONSTRUCTION CONTRACT SECTION 4.2 PROJECT REQUIREMENTS.
3. THE PROPOSED DREDGE DISPOSAL AREAS ARE LOCATED NORTH OF THE EXISTING GATE 5 ON THE EASTERN DAM ABUTMENT ON THE MOST LEVEL AREAS AS FOLLOWS:

PROPOSED DREDGE DISPOSAL AREAS **					
DISPOSAL AREAS	LENGTH X WIDTH	DISTANCE TO GATE 5 (FEET)	ELEVATION (FEET)	DEPTH (FEET)	AVERAGE SLOPE
1	30 X 50	10	470	107	27%
2	30 X 50	85	446	131	33%
3	100 X 70	145	436	141	8%

**NOTE : THE APPROXIMATE DREDGE DISPOSAL AREA LOCATIONS, DREDGE PROCEDURE, AND ENVIRONMENTAL CONTROLS INCLUDING THE LOCATIONS OF THE DREDGE DISCHARGE LINE AND FILTER FABRIC SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR, DOCUMENTED IN THE ENVIRONMENTAL PLAN OF ACTION, AND AGREED UPON BY THE PROJECT ENGINEER AND REGULATORY AGENCIES.



CITY OF
SANTA CRUZ
WATER DEPARTMENT
212 Locust Street, Suite C
Santa Cruz, CA 95060

AUTHORIZED RCE NO.	DATE	
DATE: 01/28/2010	NEWELL CREEK DAM	
DESIGNER: R. ERNST	INLET/OUTLET GATE REPAIRS	
CHECKED:	DREDGE AREA	SCALE: 1" = 5'
CWO NO.: 09 - 010		SHEET 6 OF 9
		DRAWING NO. 3728B

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