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### Historic Period Photographs and Archival Material



**Figure 1: Huntington Lake Dam No. 1, circa February 1913.**

Depicting foundation being prepared for the first pour of concrete. Elaborate wooden trestlework was needed to hoist mixed concrete and chute it down onto the work face.

Image No. SCE-12-00039, Huntington Digital Library.

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**Figure 2:** Huntington Lake Dam No. 1, 1925. First water to spill over dam from water conveyed by Florence (Ward) Tunnel.  
Image No. SCE-02-12622, Huntington Digital Library.



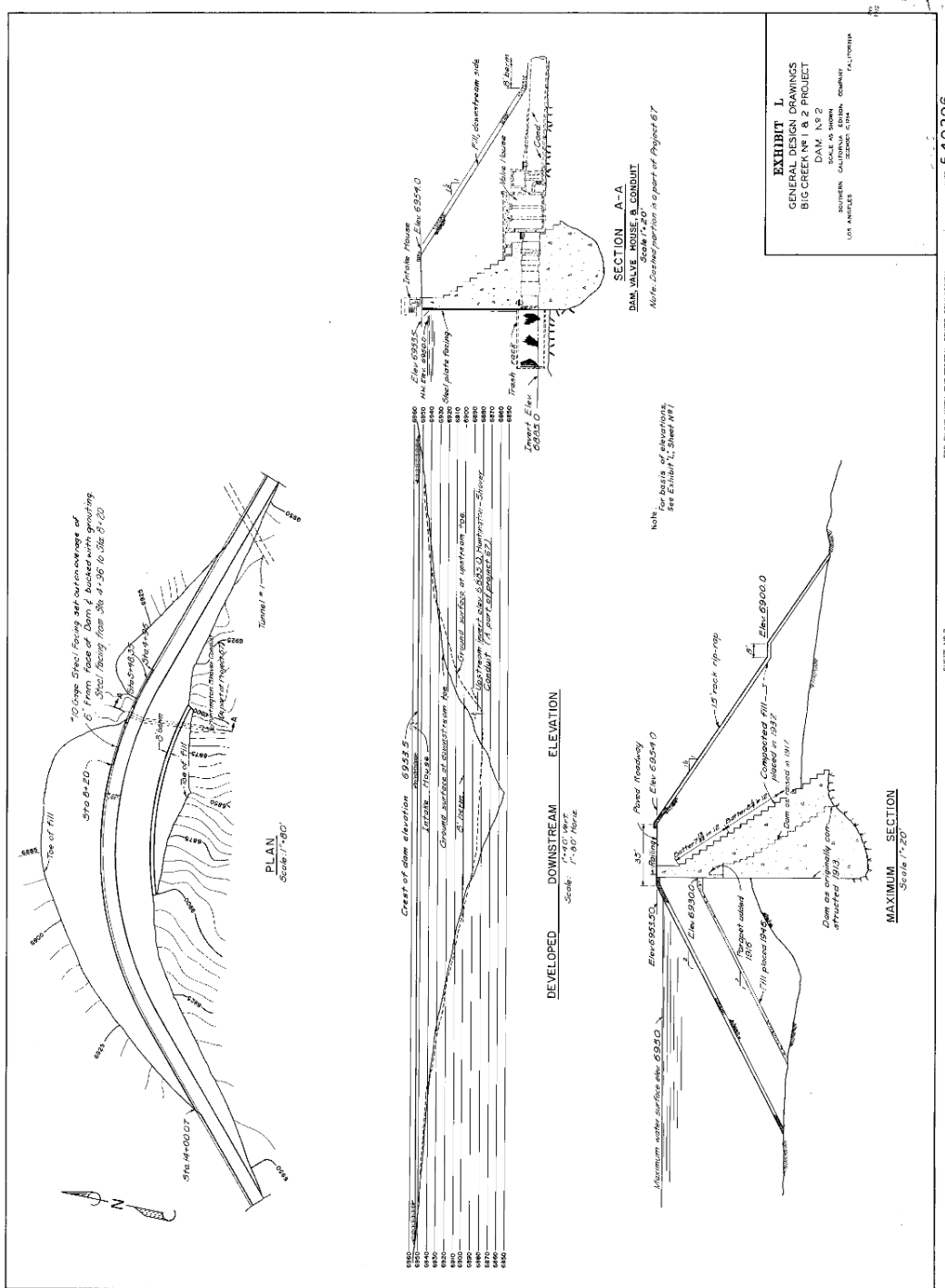
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**Figure 4:** Huntington Lake Dam No. 2 showing engineers on top of dam during construction for the raising of the dam in 1917, man on right appears to be David Redinger. Image No. SCE-02-04754, Huntington Digital Library.

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**Figure 5:** Huntington Lake Dam No. 2 General Design Drawings, 1954.  
 On file at SCE Northern Hydro Headquarters.

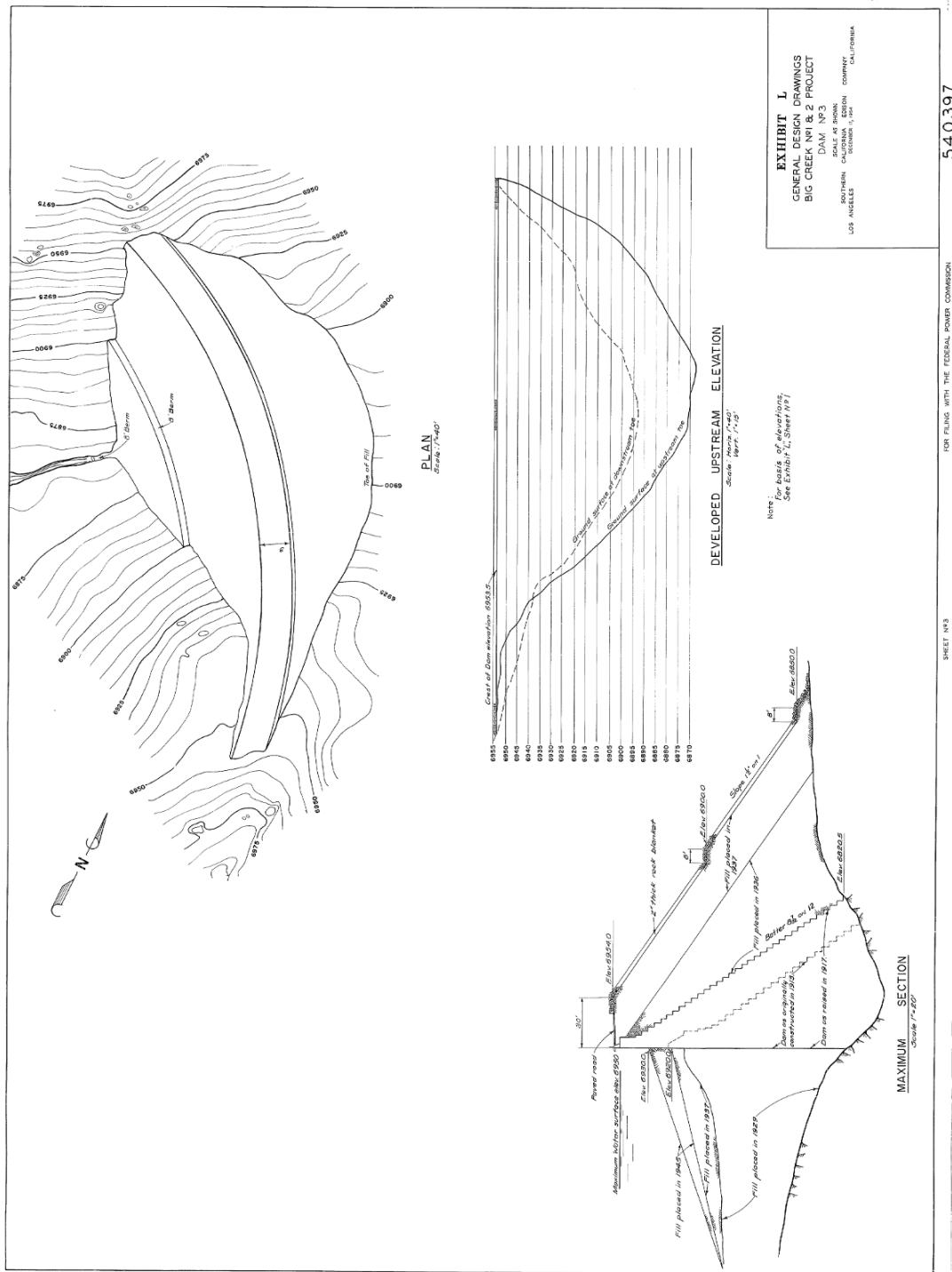
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**Figure 6:** Huntington Lake Dam No. 3, 1917. Image depicts forms, reinforcing, and drains for raising of dam. Image No. SCE-02-04705, Huntington Digital Library.

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**Figure 7:** Huntington Lake Dam No. 3 General Design Drawings, 1954. Drawing No. 540397. On file at SCE Northern Hydro Headquarters.

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**Figure 8:** Huntington Lake Reservoir showing retreaters and boat landing at the Huntington Lake Lodge. Huntington Lake Dam No. 2 can be seen in the right middle ground. 6/10/1923. Image No. SCE-02-08690, Huntington Digital Library.



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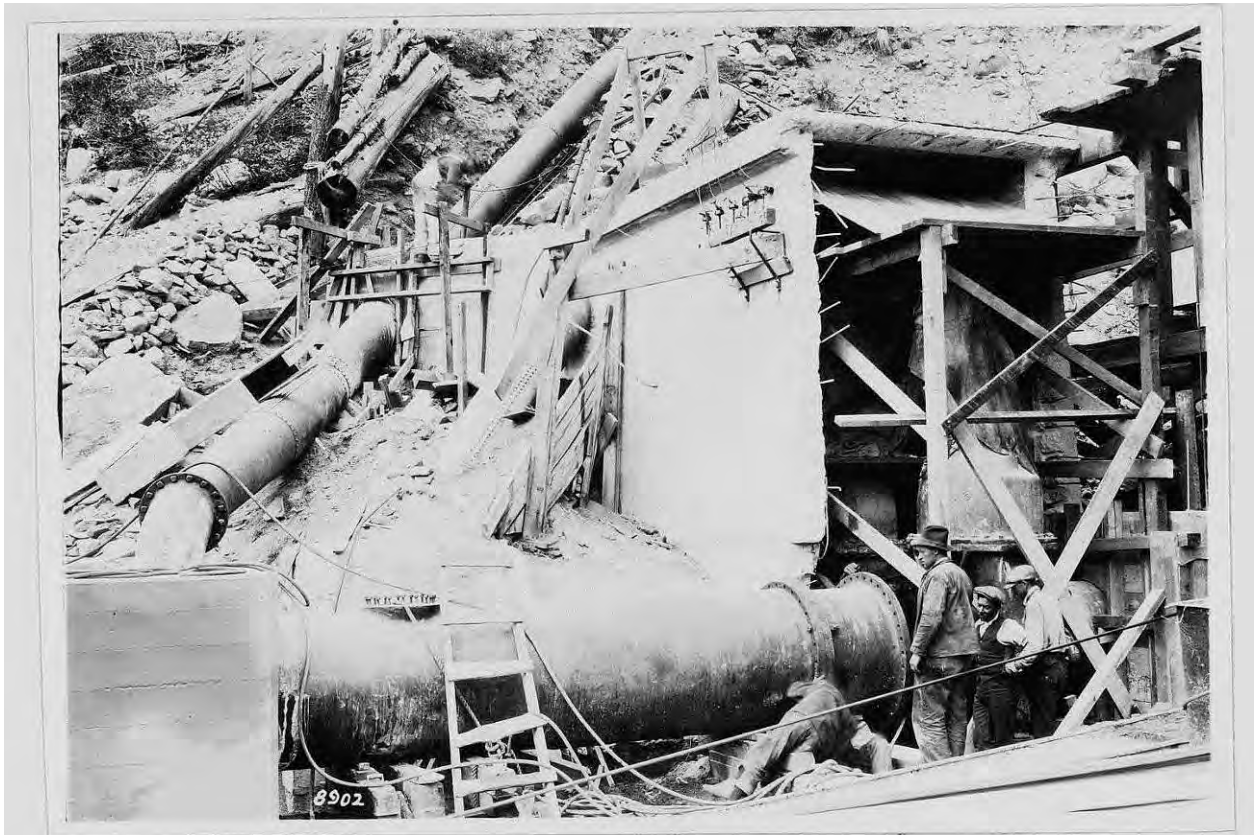
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**Figure 9:** Working face in Tunnel No.1 Flowline, 1913.  
Image No. SCE-02-00029, Huntington Digital Library.

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**Figure 10:** Tunnel No. 1 Flowline showing the penstocks, gate and vent pipes for Powerhouse No. 1, 1923.  
Image No. SCE-02-08902, Huntington Digital Library.

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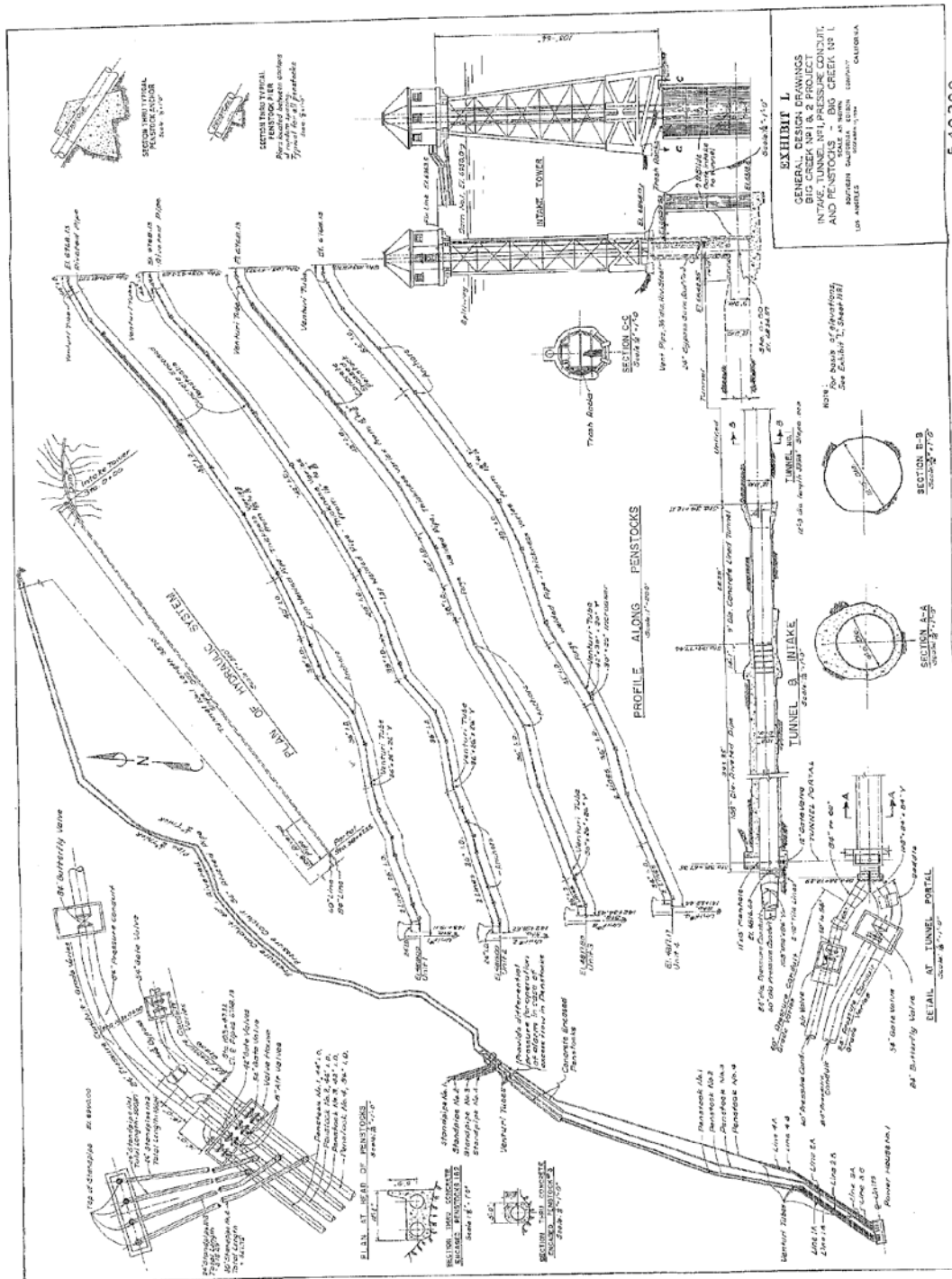


Figure 11: Tunnel No. 1 Flowline General Design Drawings, 1954. Drawing No. 540399. On file at SCE Northern Hydro headquarters.

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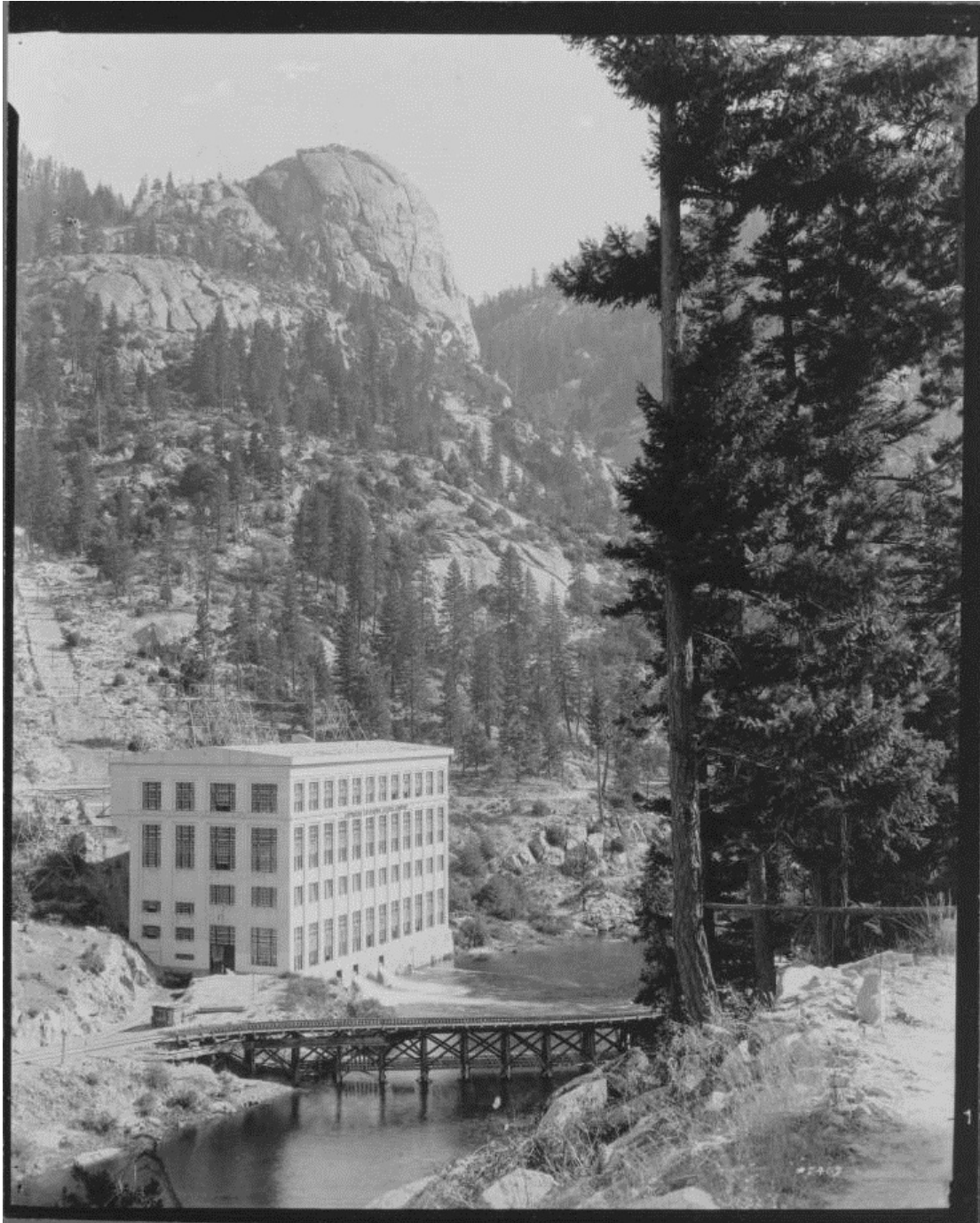
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**Figure 12:** Construction of Powerhouse No. 1 in Big Creek, 1913.  
Call No. 13 - VOL 002, P071, Huntington Digital Library.

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**Figure 13:** Powerhouse No.1 and the SJ&E Railroad trestle across Big Creek, 1921.  
Image No. SCE-02-07403, Huntington Digital Library.

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**Figure 14:** Interior of Powerhouse No.1 generator floor with 4 units installed, 1926.  
Image No. SCE-02-13821, Huntington Digital Library.

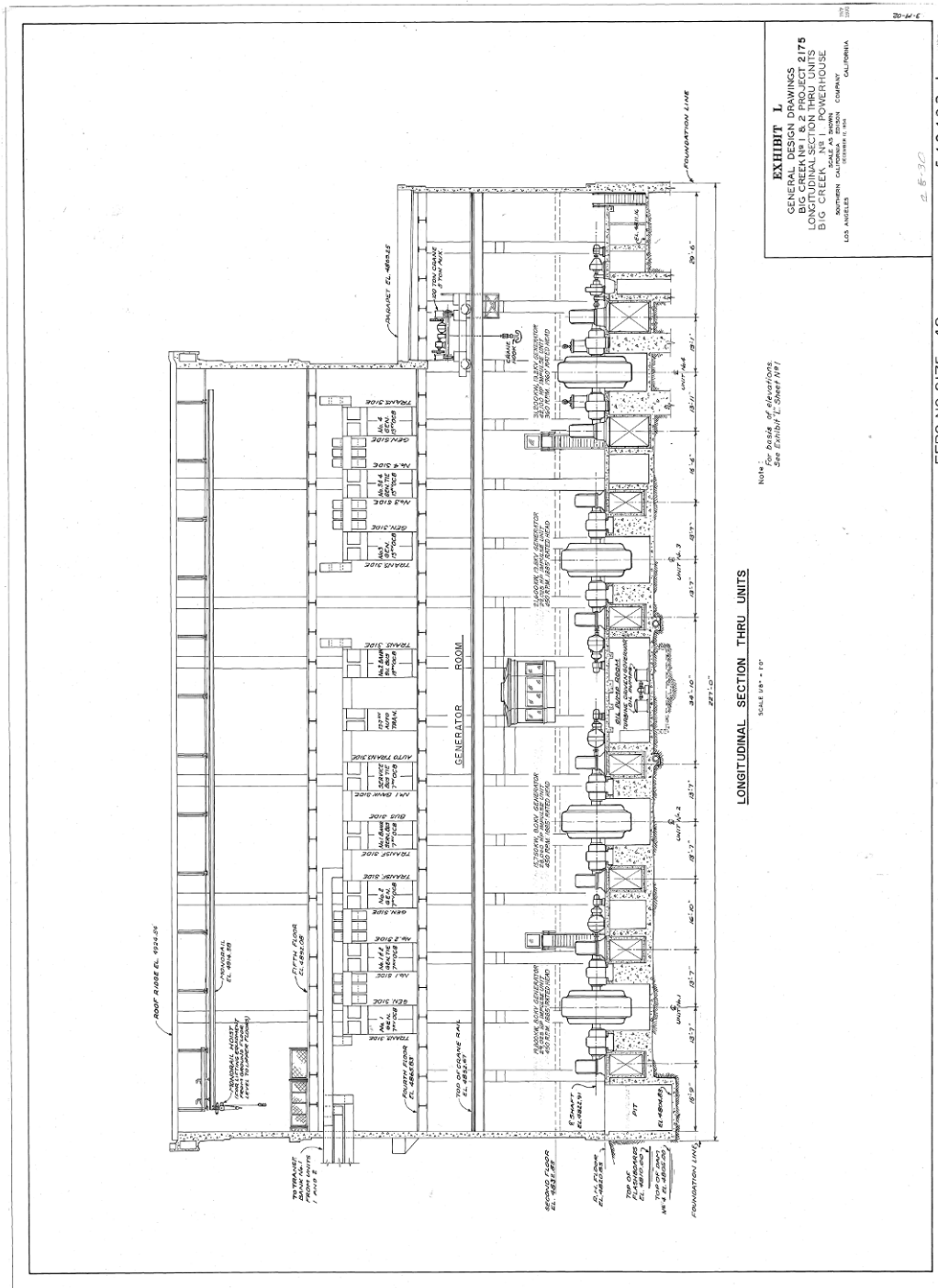
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**Figure 15:** Powerhouse No. 1 Penstocks under construction, 1913.  
Image No. SCE-12-00042, Huntington Digital Library.

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**Figure 16: Powerhouse No. 1 Design Drawing, 1954.**  
 On file at SCE Northern Hydro Headquarters.

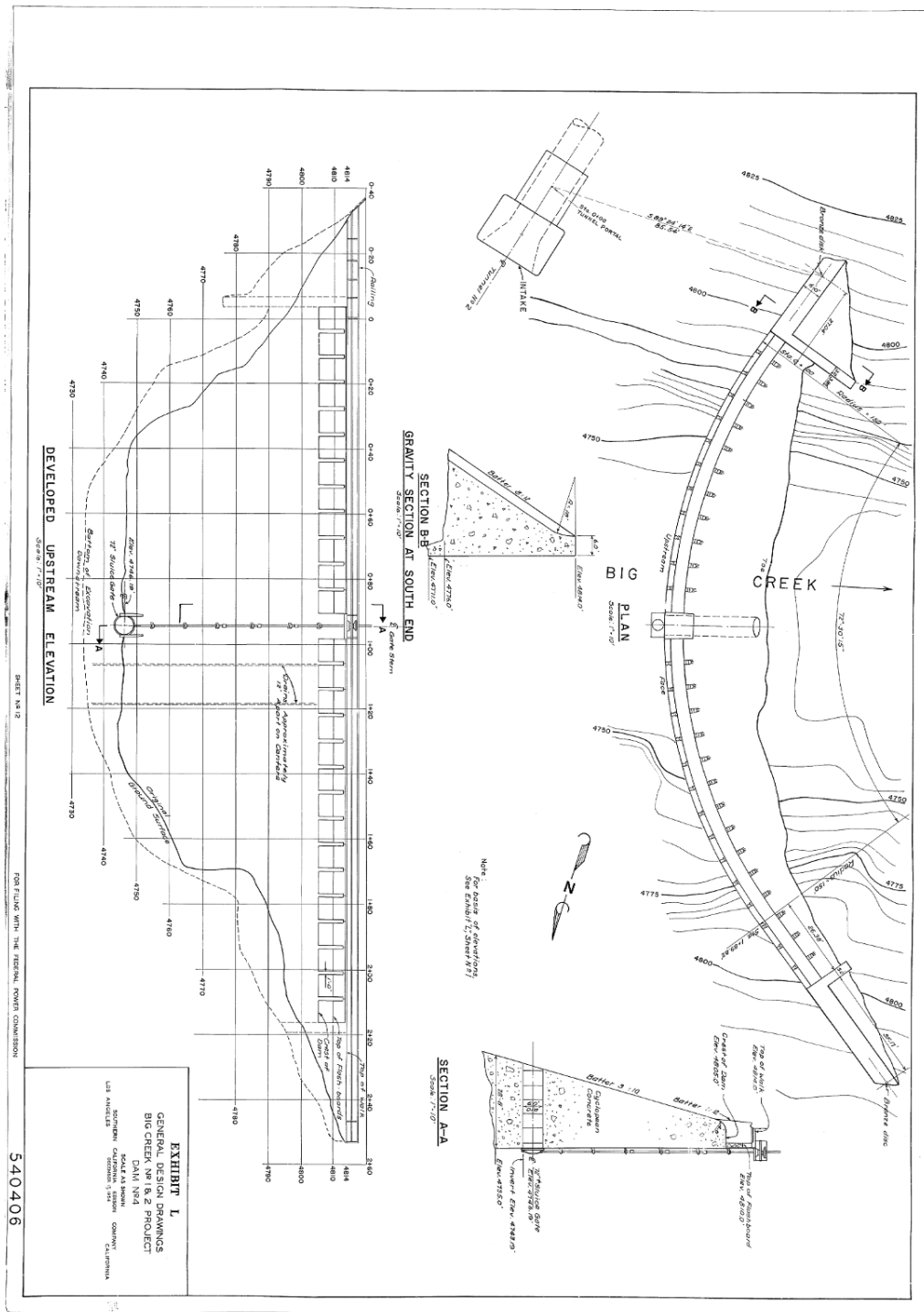


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**Figure 17:** Construction of Dam No. 4, 1913.  
Image No. SCE-10-00008, Huntington Digital Library.

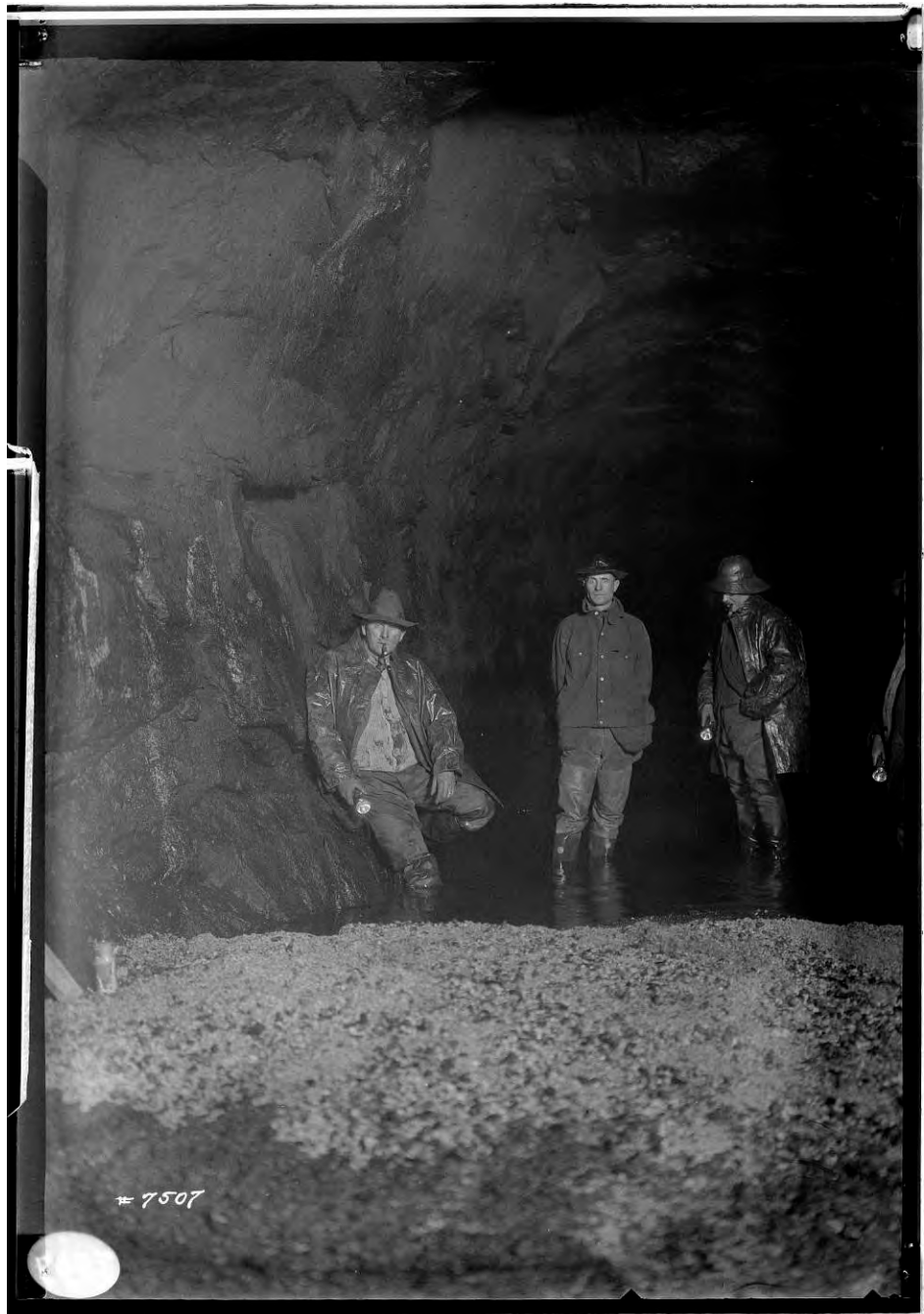
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**Figure 18: Dam No. 4 General Design Drawing, 1954.**  
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**Figure 19:** SCE Employees Surveying Tunnel No. 2, circa 1920.  
Image No. SCE-02-07507, Huntington Digital Library.

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**Figure 20:** Tunnel No.2 Flowline Gate House (surge chamber) located at West Portal (termination of Tunnel No. 2), 1924.

Image No. SCE-02-12256, Huntington Digital Library.



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**Figure 22:** Adit 8 Dam with 200 cfs flow, 1921.  
Image No. 02-06829, Huntington Digital Library.

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**Figure 23:** Penstocks for Powerhouse No. 2 looking toward the still-incomplete powerhouse, 1913. Image No. SCE-12-00044, Huntington Digital Library.

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**Figure 24:** Powerhouse No. 2, circa 1921.  
Image No. SCE-02-07335, Huntington Digital Library.



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**Figure 25:** Interior of generator floor for Powerhouse No. 2, 1925.  
Image No. SCE-02-12669, Huntington Digital Library.

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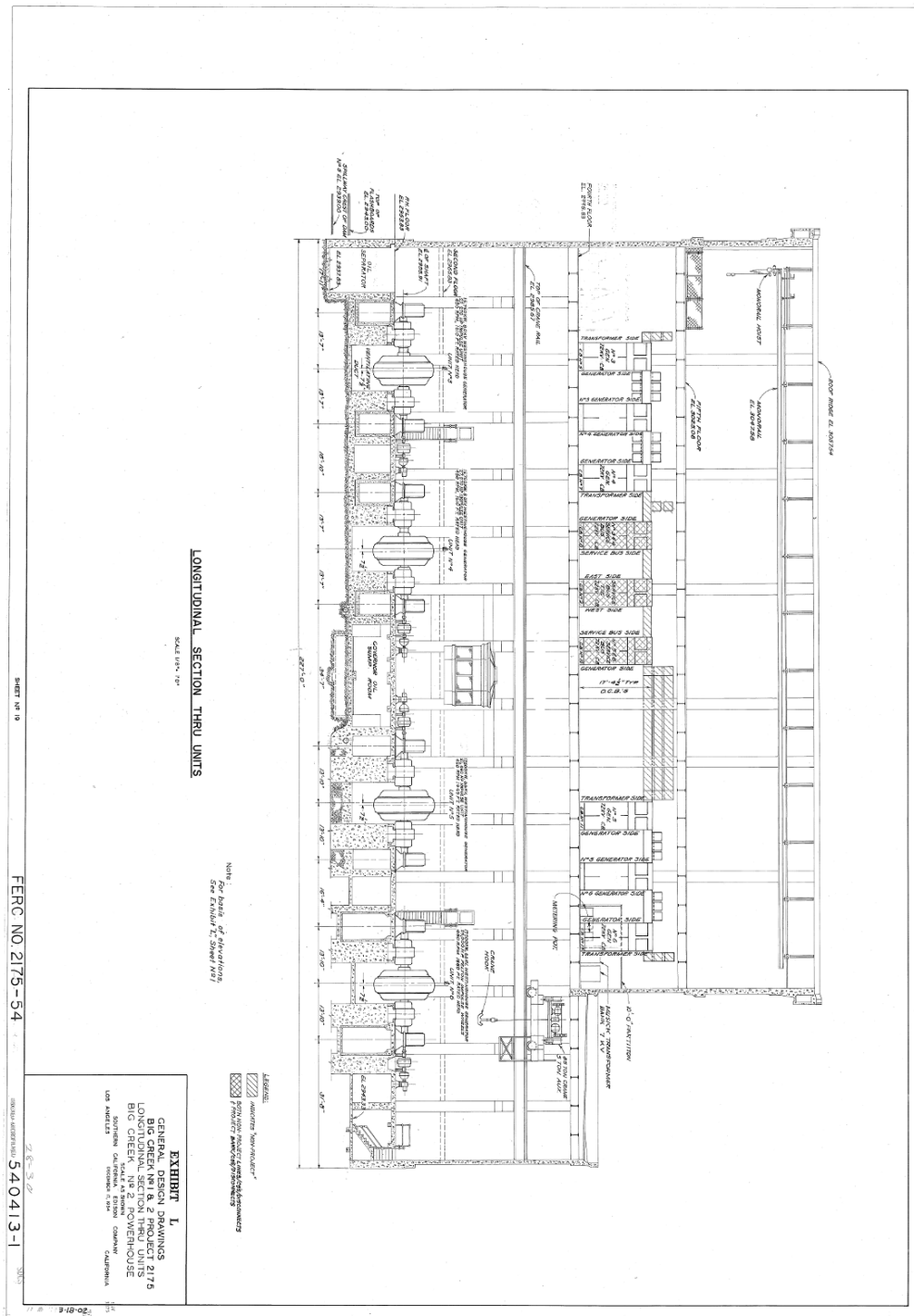


Figure 26: Powerhouse No. 2 General Design Drawing, 1954. Drawing No. 540413-1.  
On file at SCE Northern Hydro Headquarters.

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**Figure 27:** Group of 11 miners and tunnel mule at entrance to Tunnel No. 5 Flowline, 1920.  
Image No. SCE-02-06462, Huntington Digital Library.

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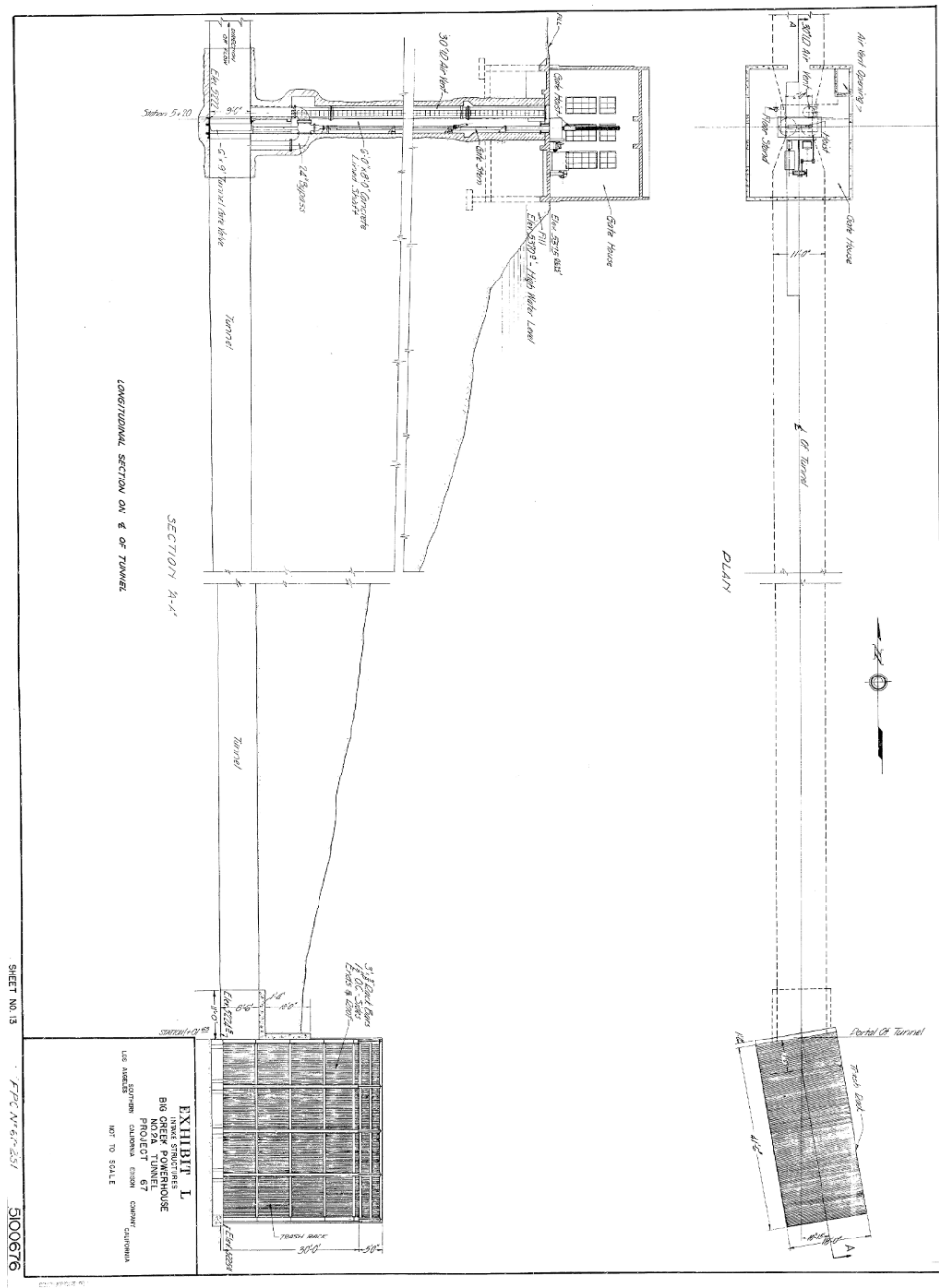
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**Figure 28:** Men working at the heading of Tunnel No. 5 with Armstrong Mucker “shuveloader,” 1921. Image No. SCE-02-06717, Huntington Digital Library.

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**Figure 29:** Tunnel No. 5 Intake General Design Drawing, n.d.  
 Drawing No. 5100676, on file at SCE Northern Hydro Headquarters.



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**Figure 31:** Tunnel No. 8 near Camp 31, depicting crew expanding pioneer bore to full tunnel width, 1920. Image No. SCE-02-06435, Huntington Digital Library.

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**Figure 32:** Tunnel No. 8 Outlet, to be connected to surge chamber, 1921.  
Image No. SCE-02-07144, Huntington Digital Library.



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**Figure 33:** Powerhouse No. 8 Surge Tank, 1921.  
Image No. SCE-02-07381, Huntington Digital Library.

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**Figure 34:** Construction on Dam No. 5, 1920.  
Image No. SCE-02-06509, Huntington Digital Library.

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**Figure 35:** Dam No. 5 near completion, 1920.  
Image No. SCE-02-06845, Huntington Digital Library.

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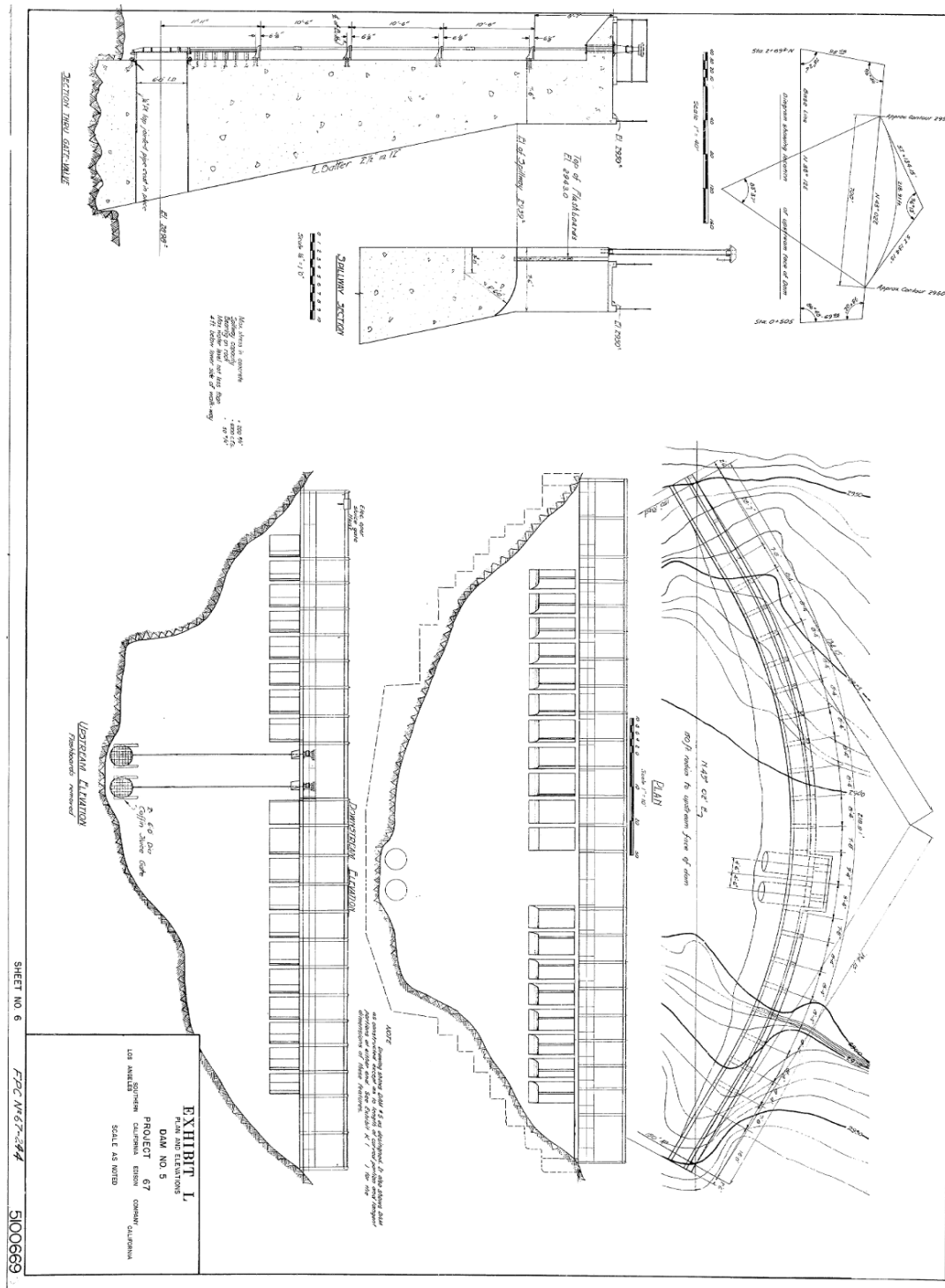


Figure 36: Dam No. 5 General Design Drawing, n.d.  
Drawing No. 5100669, on file at SCE Northern Hydro Headquarters.

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**Figure 37:** Excavation Site for Powerhouse No. 8, 1921.  
Image No. SCE-02-06789, Huntington Digital Library.

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**Figure 38:** Material for Powerhouse No. 8 on SJ&E, 1921.  
Image No. SCE-02-06761, Huntington Digital Library.

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**Figure 39:** Powerhouse No. 8, 1923.  
Image No. SCE-02-08723, Huntington Digital Library.

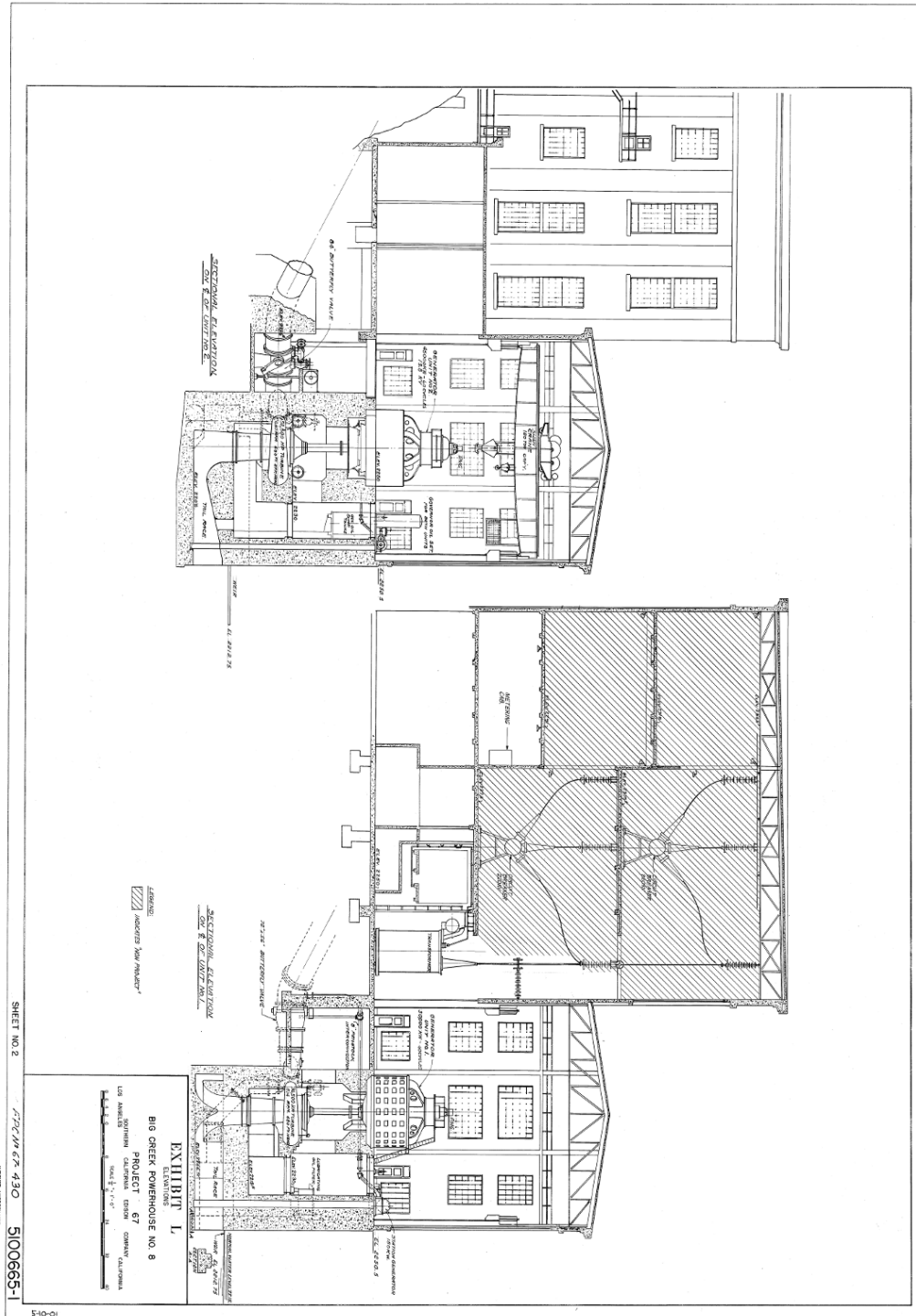
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**Figure 40:** Powerhouse No. 8 Francis Type Turbine and Generator, 1921.  
Image No. SCE-02-07384, Huntington Digital Library.

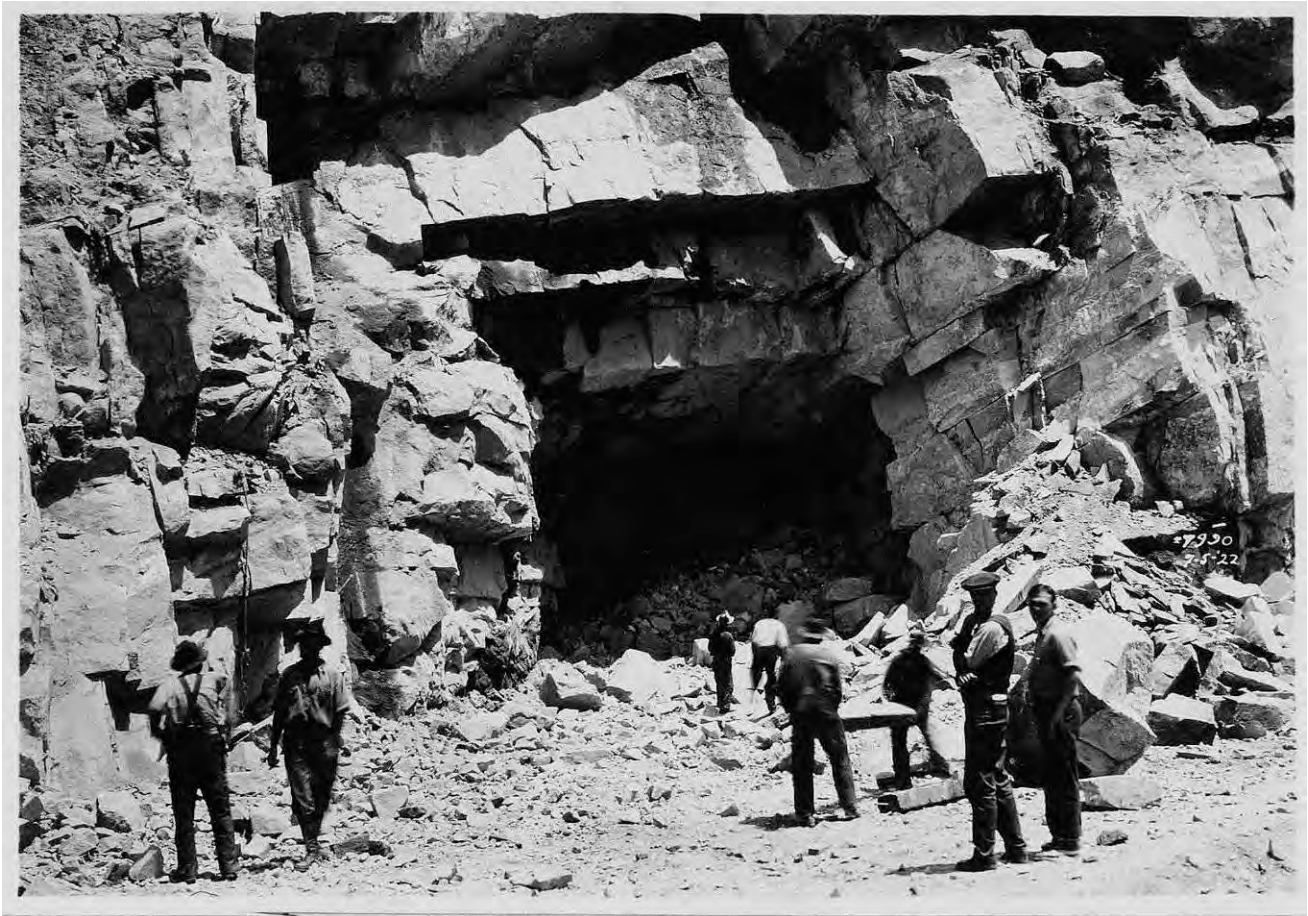


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**Figure 41:** Powerhouse No. 8 General Design Drawings, n.d.  
Drawing No. 5100665-1, SCE Northern Hydro Headquarters.

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**Figure 42:** Tunnel No. 3-Adit No. 35, 1922.  
Image No. SCE-02-07990, Huntington Digital Library.

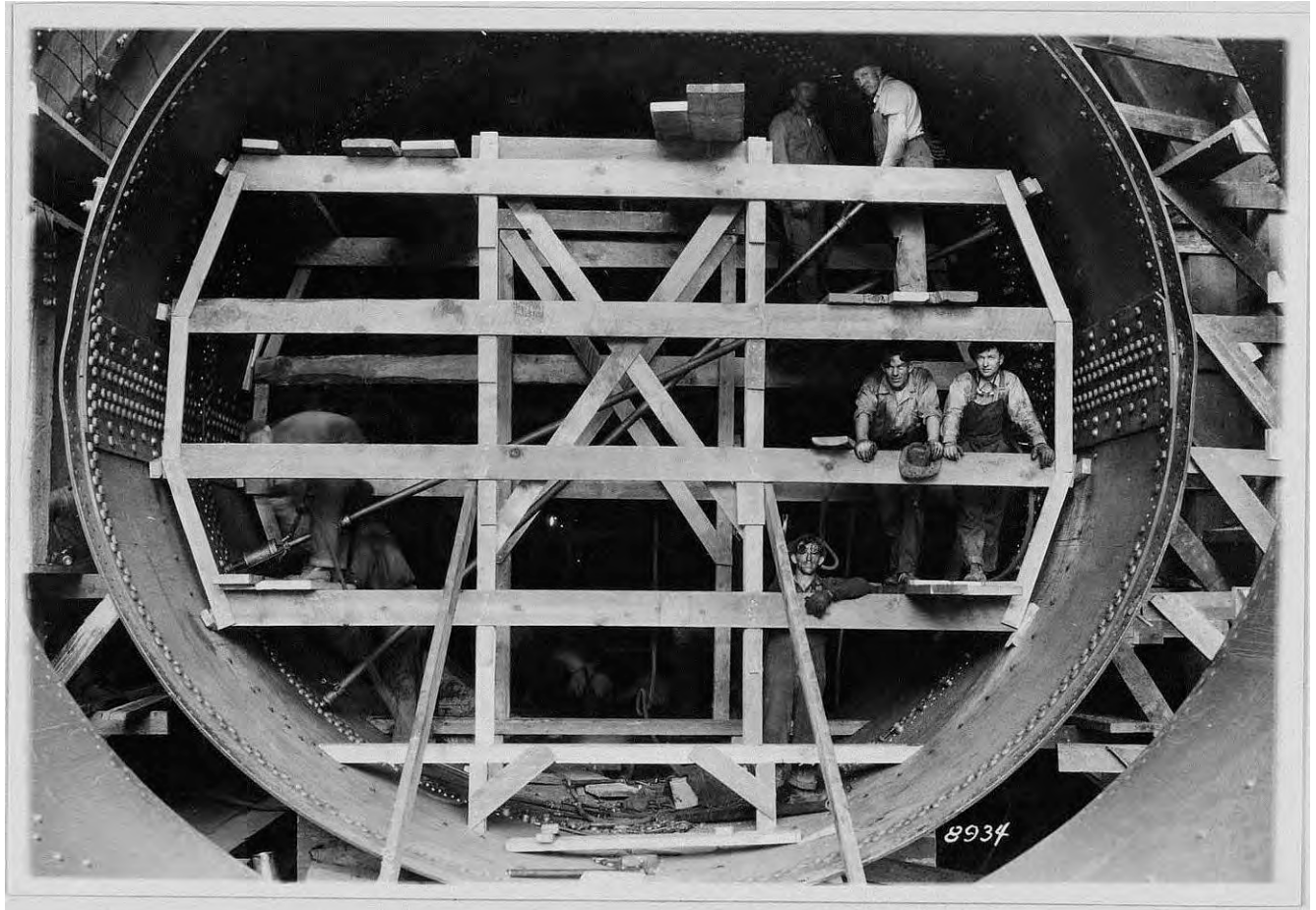
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**Figure 43:** Tunnel No. 3 Surge Chamber, 1924.  
Image No. SCE-02-12063, Huntington Digital Library.

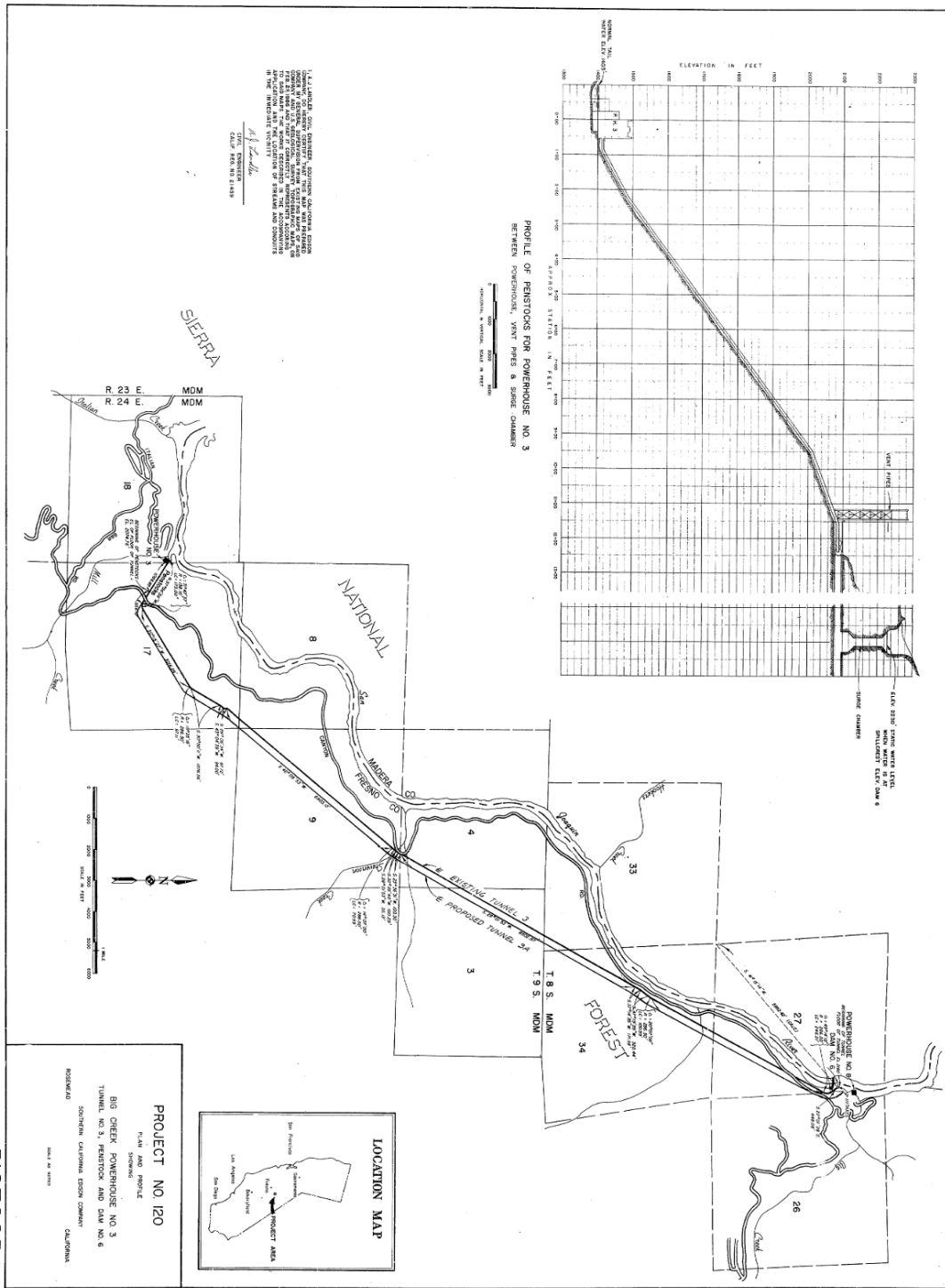
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**Figure 44:** Section of Riveted Steel Pipe in Tunnel No. 3, 1923.  
Image No. SCE-02-08934, Huntington Digital Library.

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**Figure 45: Map of Tunnel No. 3, n. d.**  
 Drawing No. 5197985, SCE Northern Hydro Headquarters.

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**Figure 46:** Excavation for Dam No. 6 in the San Joaquin River, 1922.  
Image No. SCE-02-08310, Huntington Digital Library.

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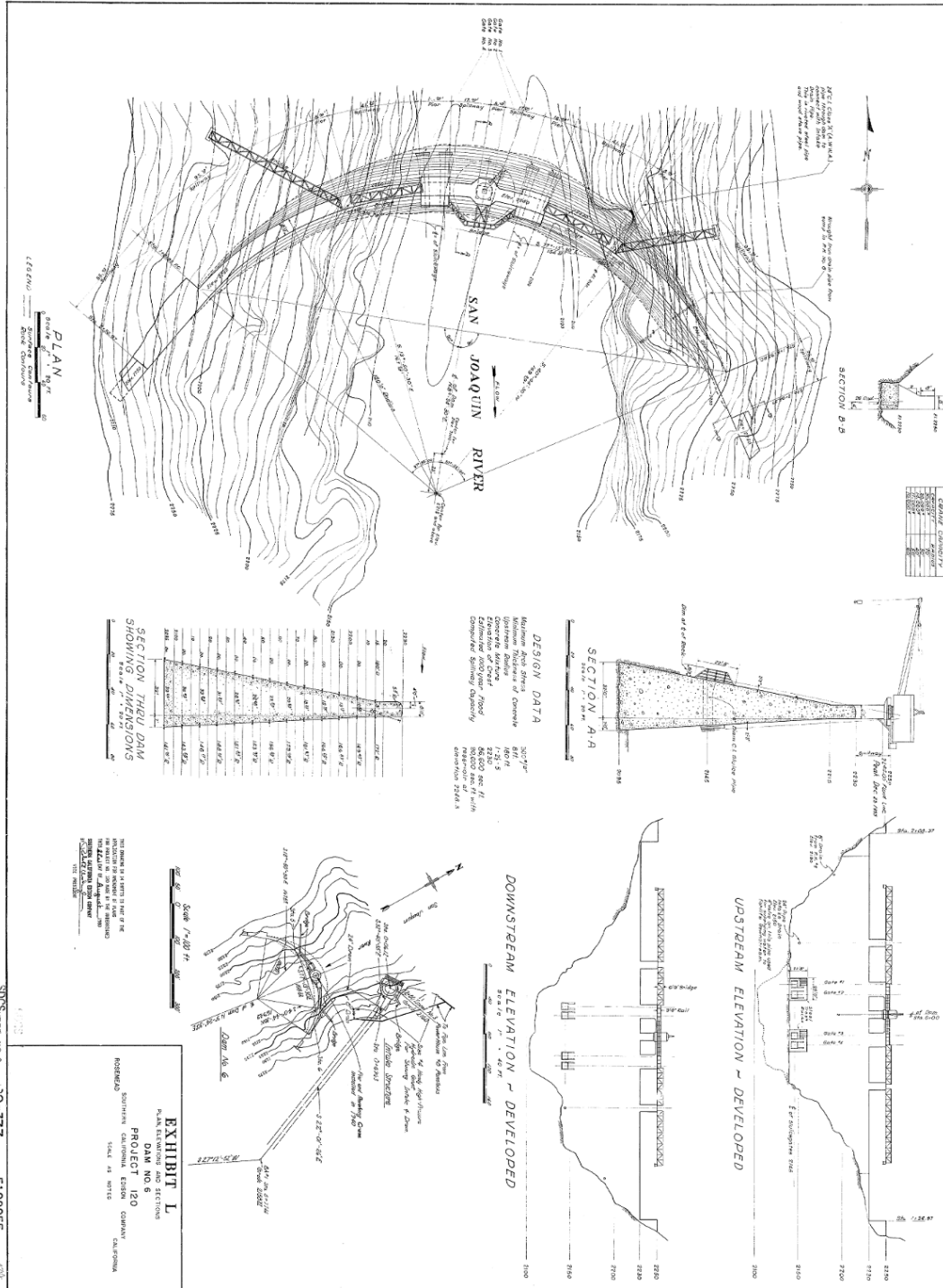
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**Figure 47:** Dam No. 6 under construction looking upstream, 1923.  
Image No. SCE-02-08363, Huntington Digital Library.

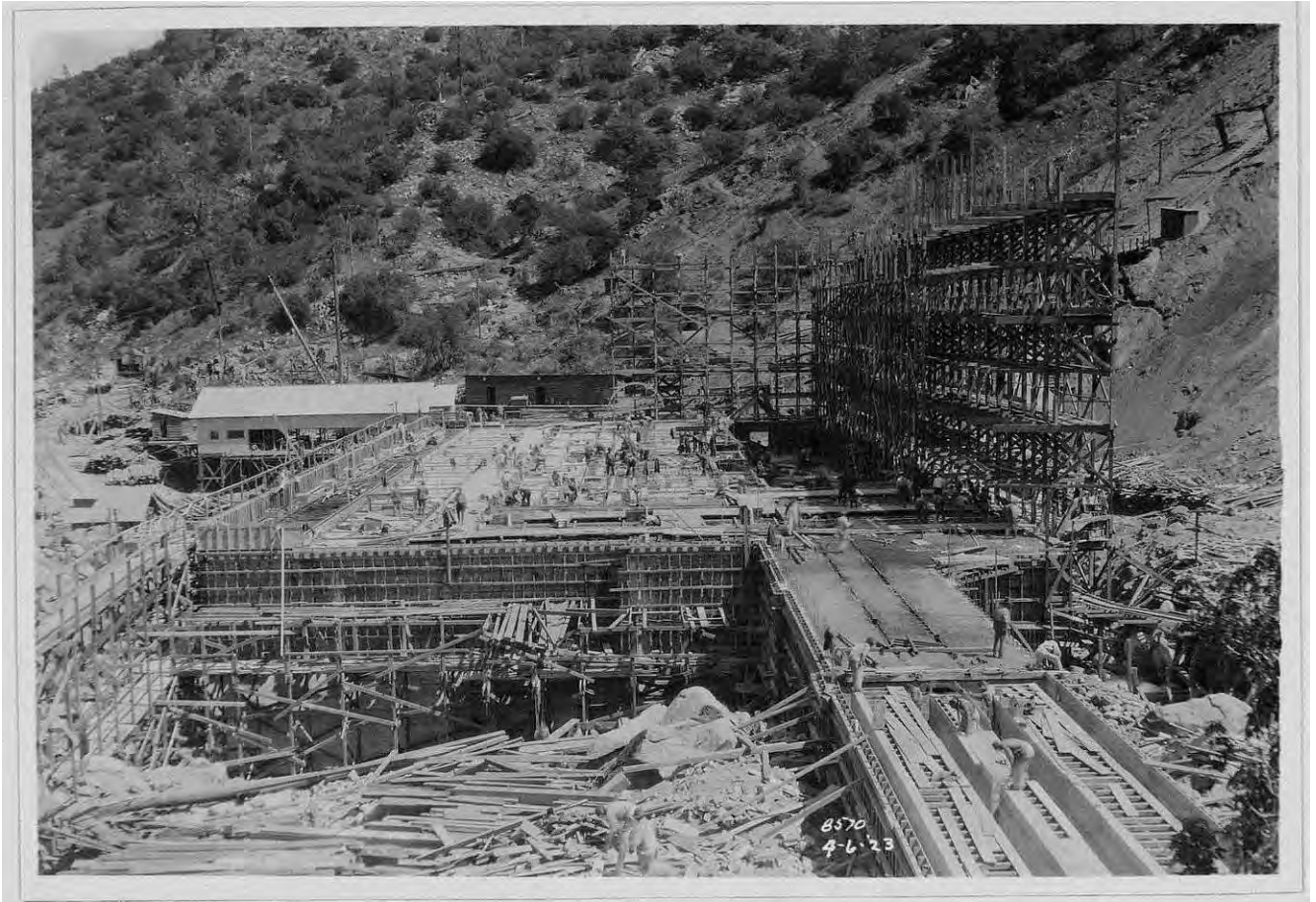
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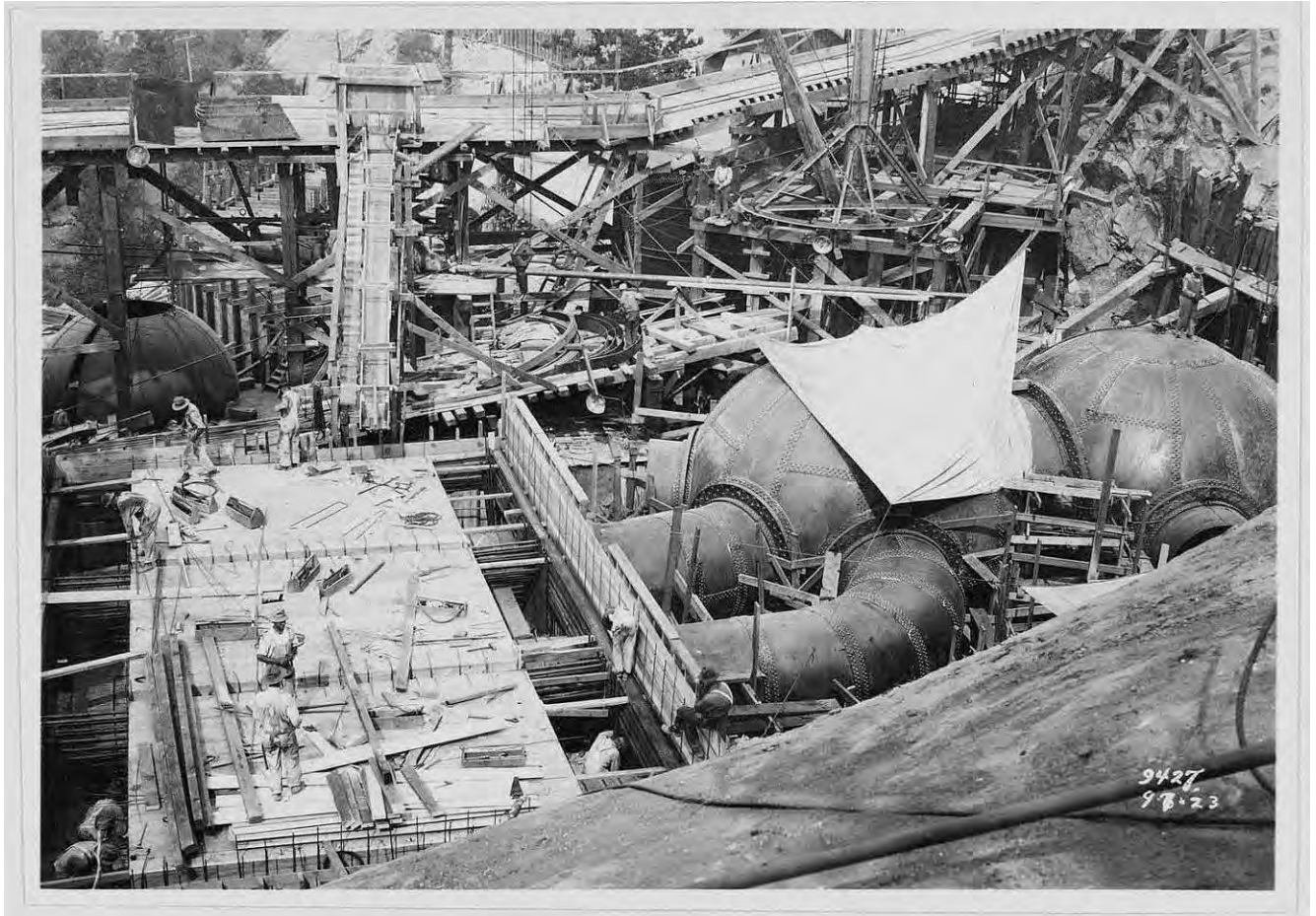


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**Figure 49:** Powerhouse No. 3 under construction, 1923.  
Image No. SCE-02-08570, Huntington Digital Library.

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**Figure 50:** Powerhouse No. 3 Penstock Manifold under construction, 1923.  
Image No. SCE-02-09427, Huntington Digital Library.

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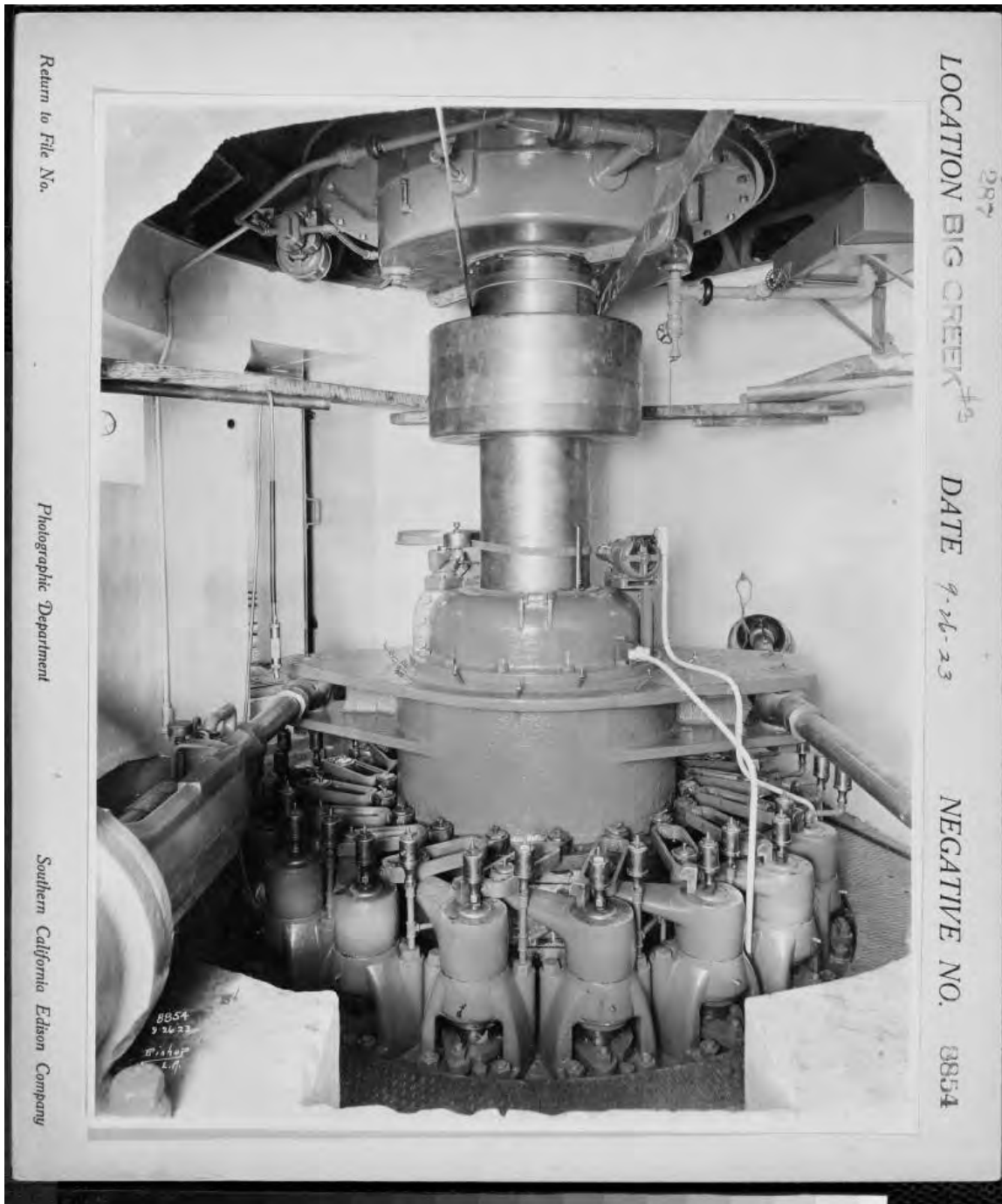
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**Figure 51:** Powerhouse No. 3 and Penstocks, 1923.  
Image No. SCE-02-08852, Huntington Digital Library.

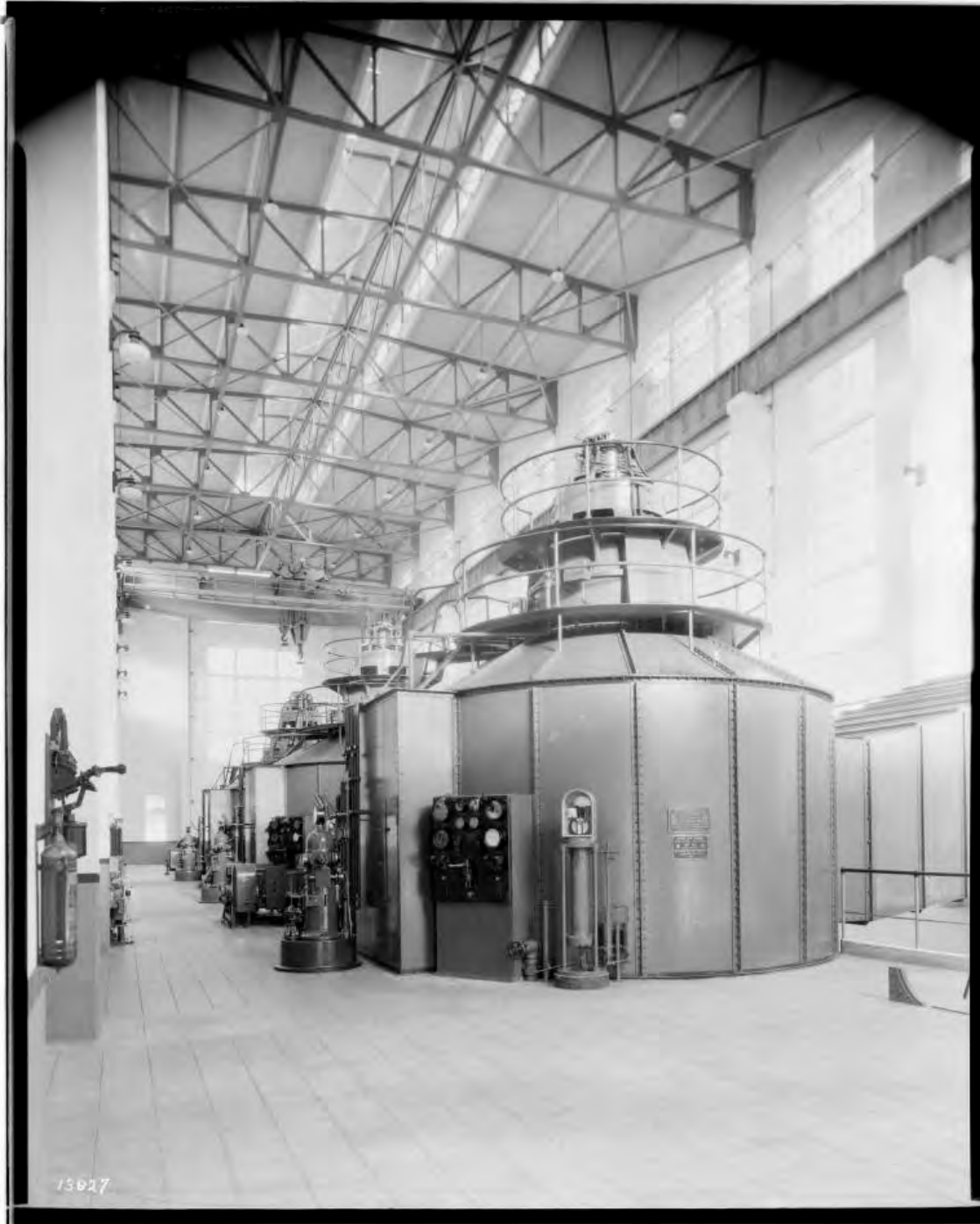
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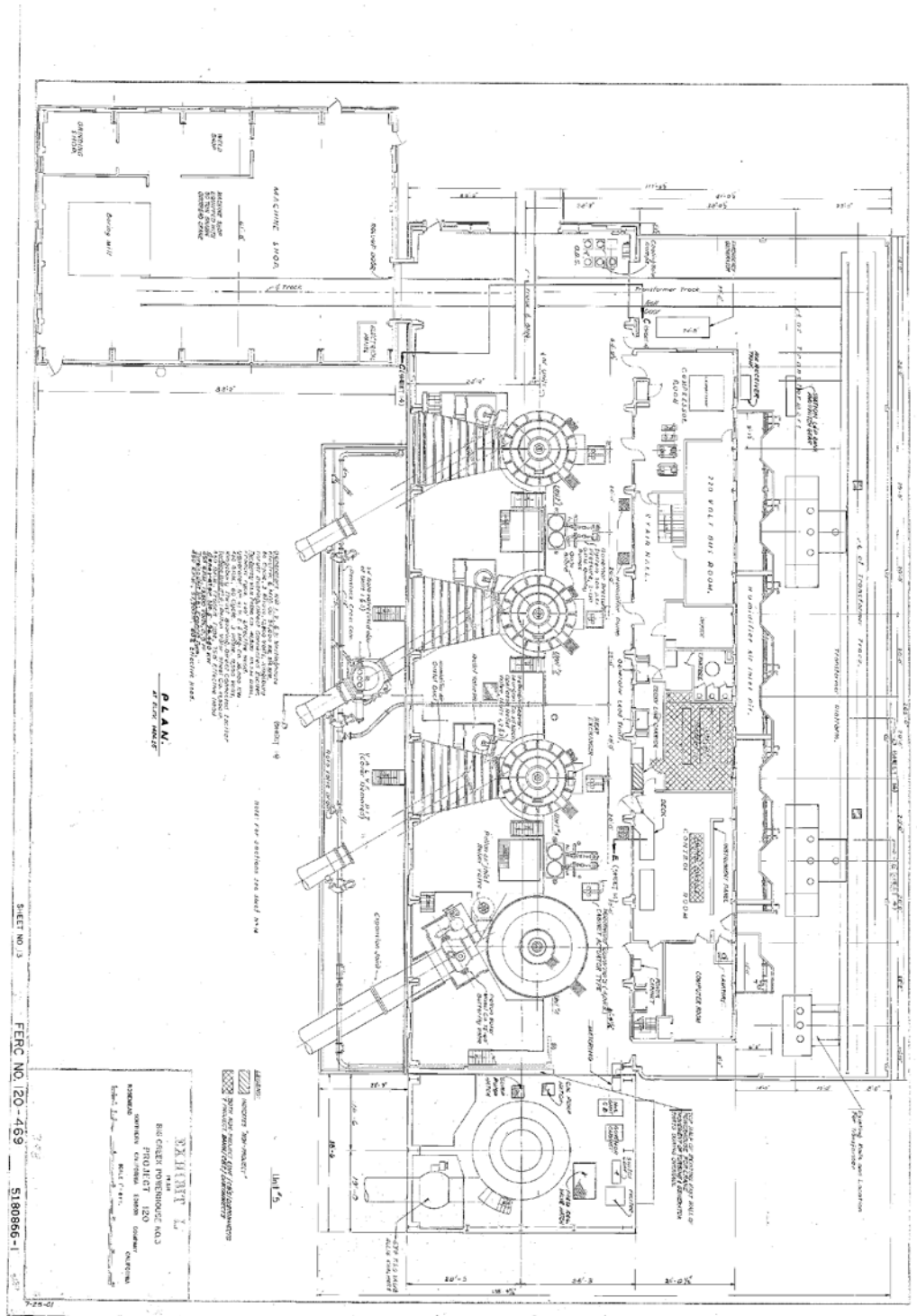
**Figure 52:** Powerhouse No. 3 close-up of turbine, 1923.  
Image No. SCE-02-08854, Huntington Digital Library.

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**Figure 53:** Powerhouse No. 3 Generator Room Floor, 1926.  
Image No. SCE-02-13827, Huntington Digital Library.

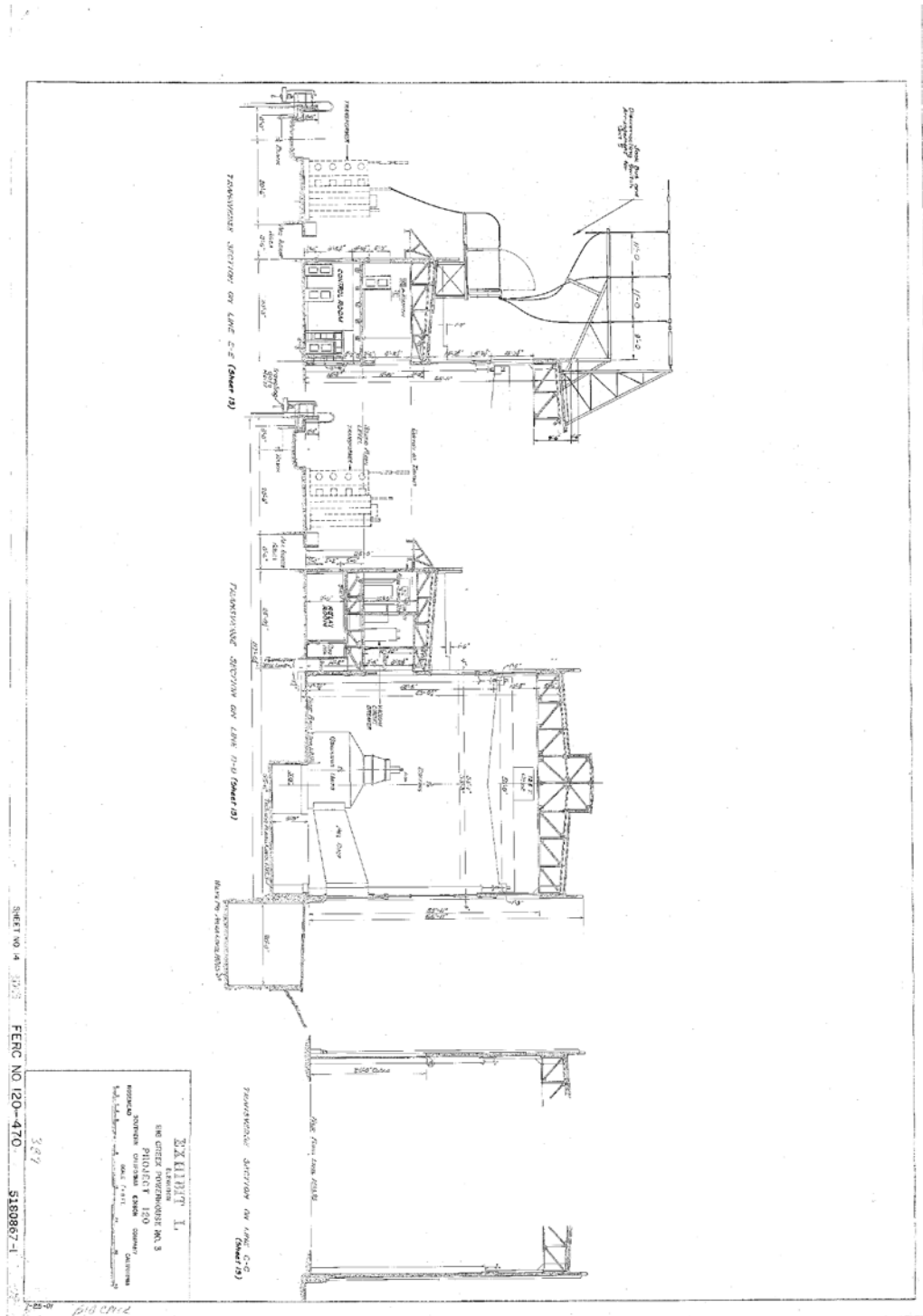
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**Figure 54:** Powerhouse No. 3 Plan, n.d.  
Drawing No. 5180855-1, SCE Northern Hydro Headquarters.

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**Figure 55:** Powerhouse No. 3 Elevation, n.d.  
Drawing No. 5180867-1, SCE Northern Hydro Headquarters.

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**Figure 56:** Portal of Florence/Ward Tunnel Adit 61, circa 1921.  
Image No. SCE-02-06807, Huntington Digital Library.



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**Figure 57:** Florence/Ward Tunnel Digging, circa 1924.  
Image No. SCE-02-24079, Huntington Digital Library

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**Figure 58:** Two crews “tunneling through” Florence/Ward Tunnel, 1925.  
Image No. SCE-05-51096, Huntington Digital Library.

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**Figure 59:** Outlet of Florence/Ward Tunnel, 1927.  
Image No. SCE-02-23774, Huntington Digital Library.

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**Figure 60:** Repairs to Ward Tunnel, GM Dumpster Truck 1945.  
Image No. SCE-02-26574A, Huntington Digital Library.

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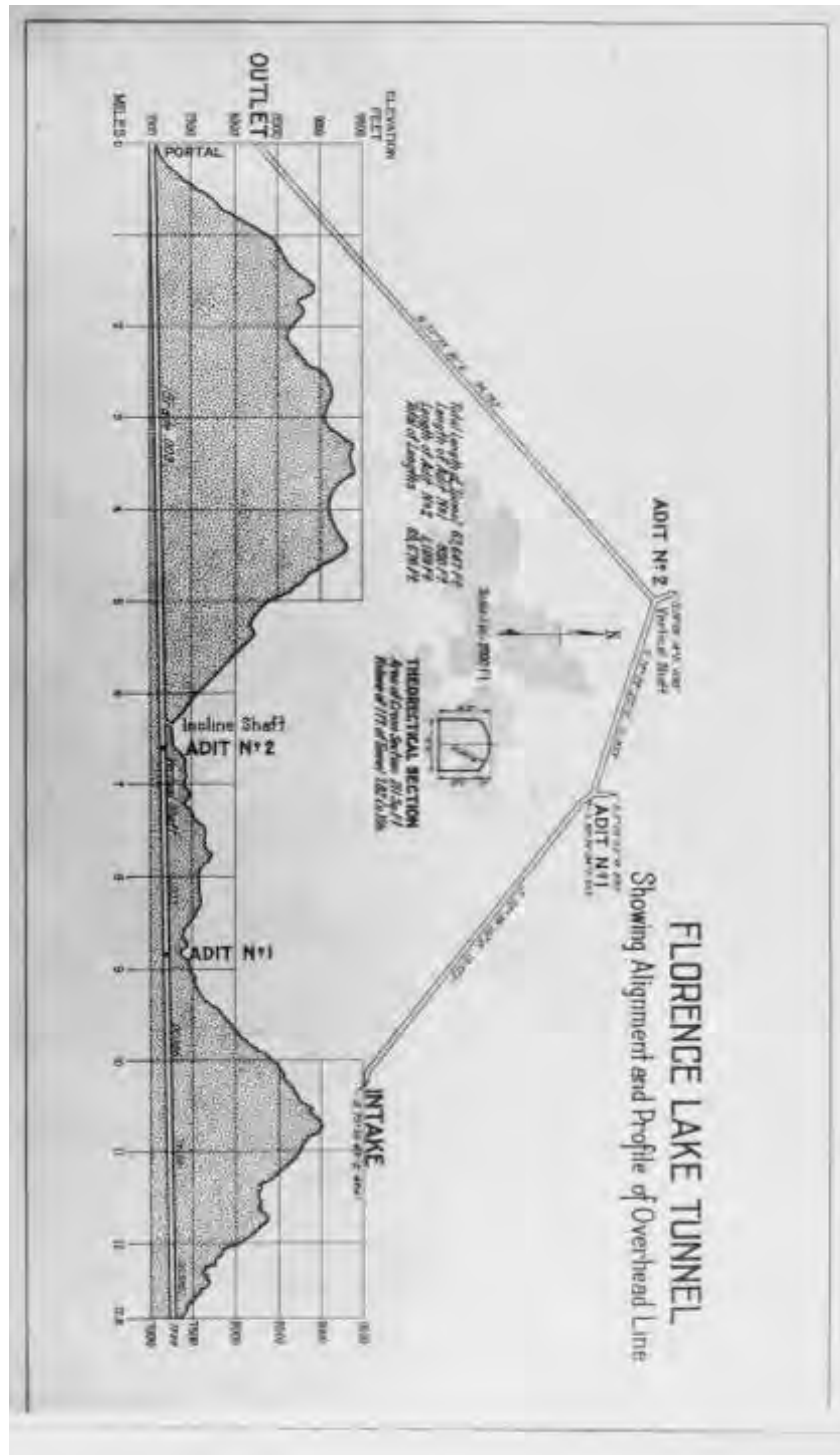


Figure 61: Profile Drawing of Florence/Ward Tunnel, 1925.  
Image No. SCE-02-13030, Huntington Digital Library.

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**Figure 62:** Florence Lake before the dam, 1921.  
Image No. SCE-02-05861, Huntington Digital Library.

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**Figure 63:** Florence Lake Dam excavation, 1925.  
Image No. SCE-02-23059, Huntington Digital Library.

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**Figure 64:** Florence Lake Dam construction, 1925.  
Image No. SCE-02-12654, Huntington Digital Library.



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**Figure 65:** Florence Lake Dam construction, 1926.  
Image No. SCE-02-14085, Huntington Digital Library.

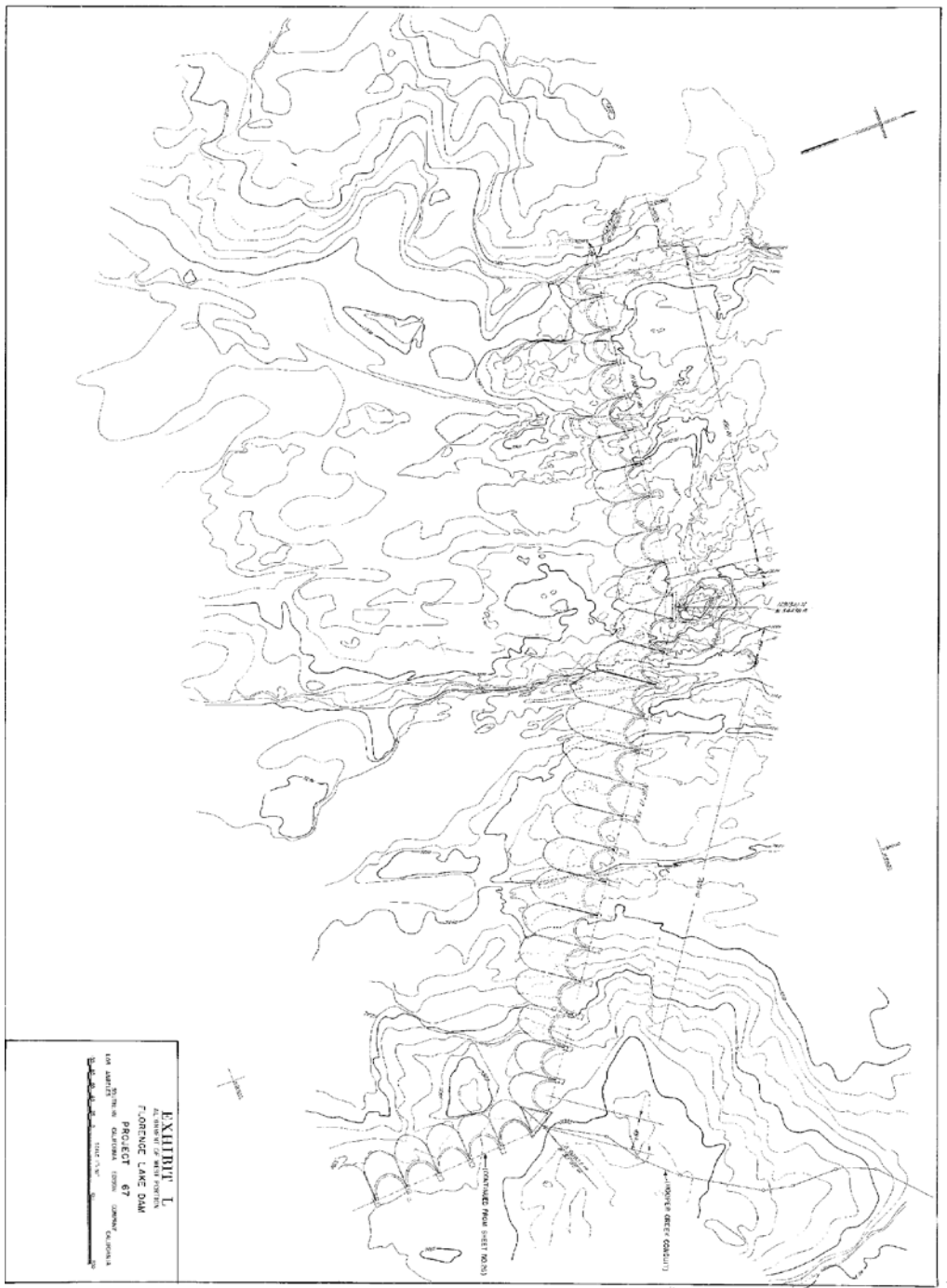
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**Figure 66:** Florence Lake Dam Spillway, 1926.  
Image No. SCE-02-14003, Huntington Digital Library.

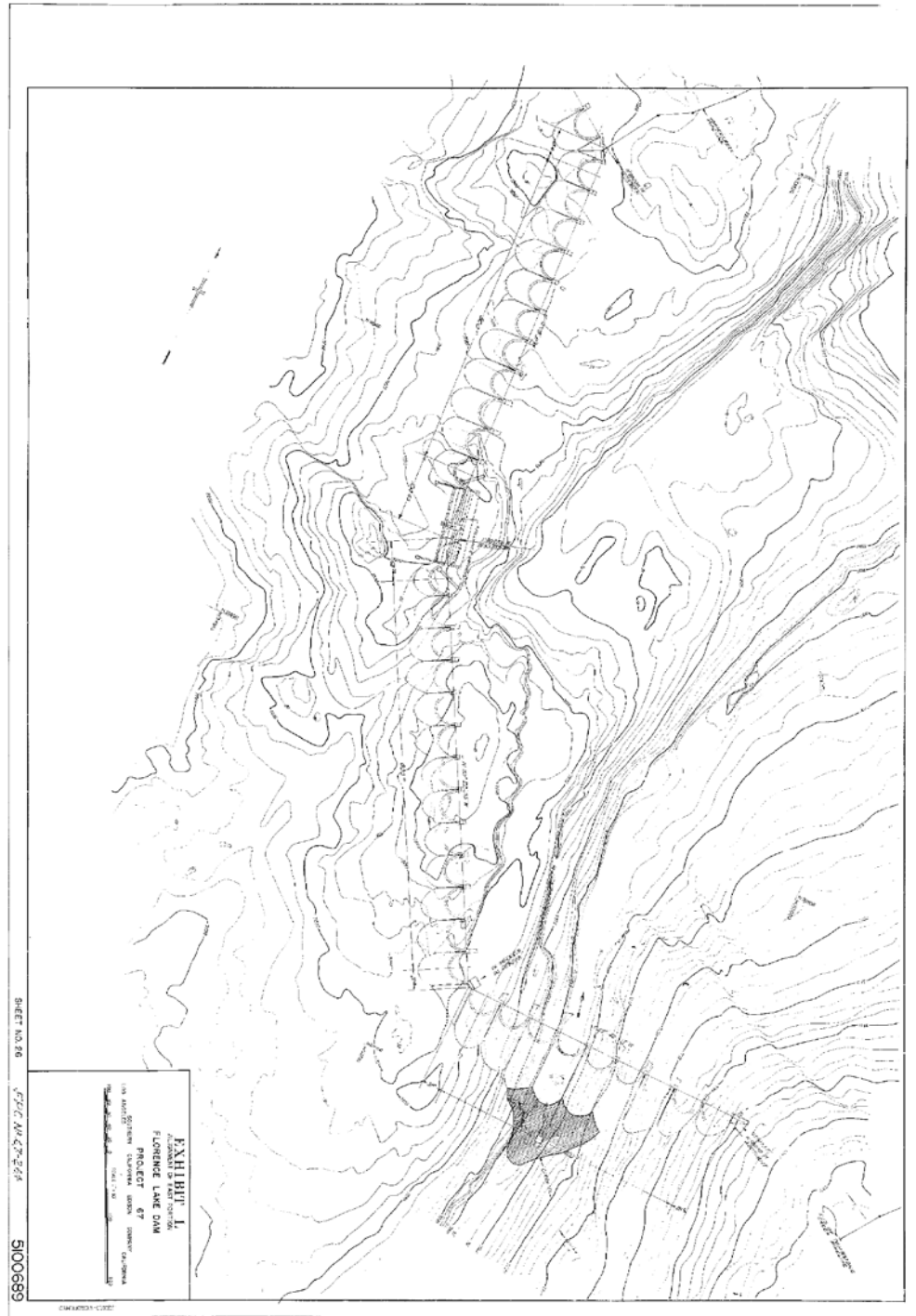
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**Figure 67:** Florence Lake Dam Profile, Sheet 1, n.d.  
Drawing No. 5100688, SCE Northern Hydro Headquarters.

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**Figure 68:** Florence Lake Dam, Sheet Profile 2, n.d.  
Drawing No. 5100689, SCE Northern Hydro Headquarters.

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**Figure 69:** Florence Lake, 1935. Image No. SCE-02-18854, Huntington Digital Library.

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**Figure 70:** Bear Creek Diversion, with cleared stumps, 1927.  
Image No. SCE-02-14710, Huntington Digital Library.

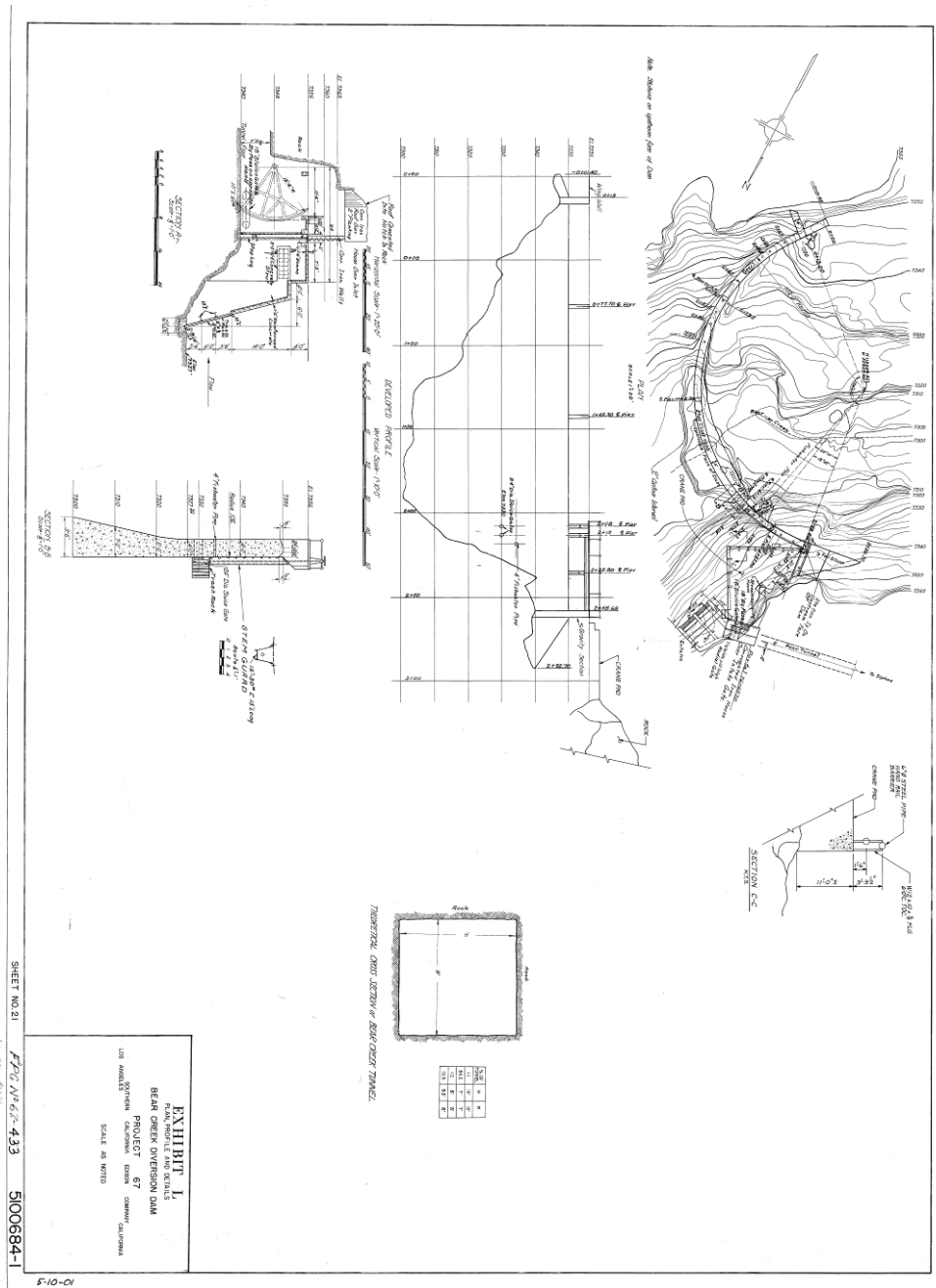
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**Figure 71:** Bear Creek Diversion Dam, 1947.  
Image No. SCE-02-27802, Huntington Digital Library.

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**Figure 72:** Bear Creek Diversion Dam General Design Drawing, n.d.  
 Drawing No. 5100689, SCE Northern Hydro Headquarters.

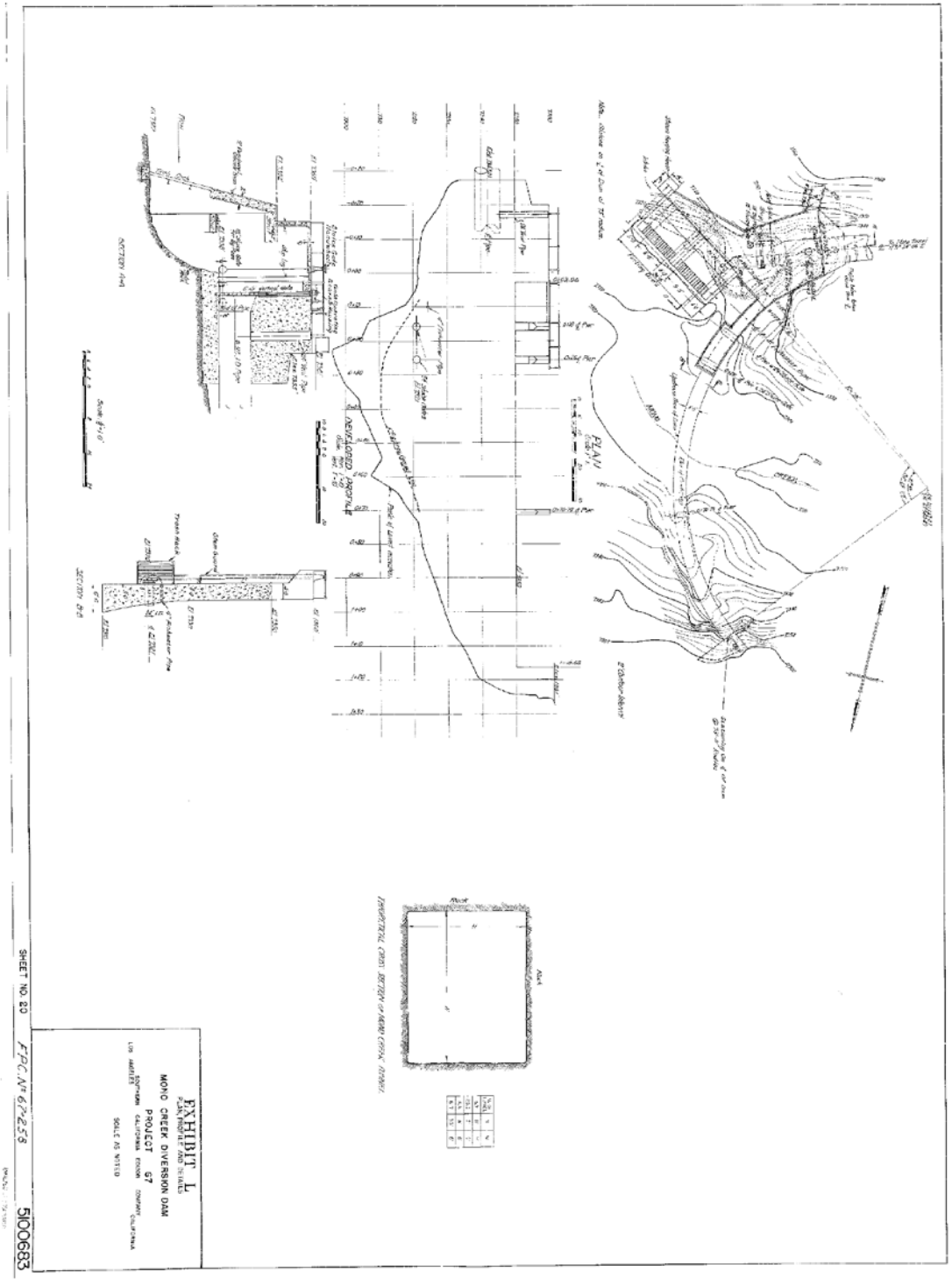


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**Figure 73:** Mono Creek Diversion Dam Construction Site, 1927.  
Image No. SCE-02-14720, Huntington Digital Library.

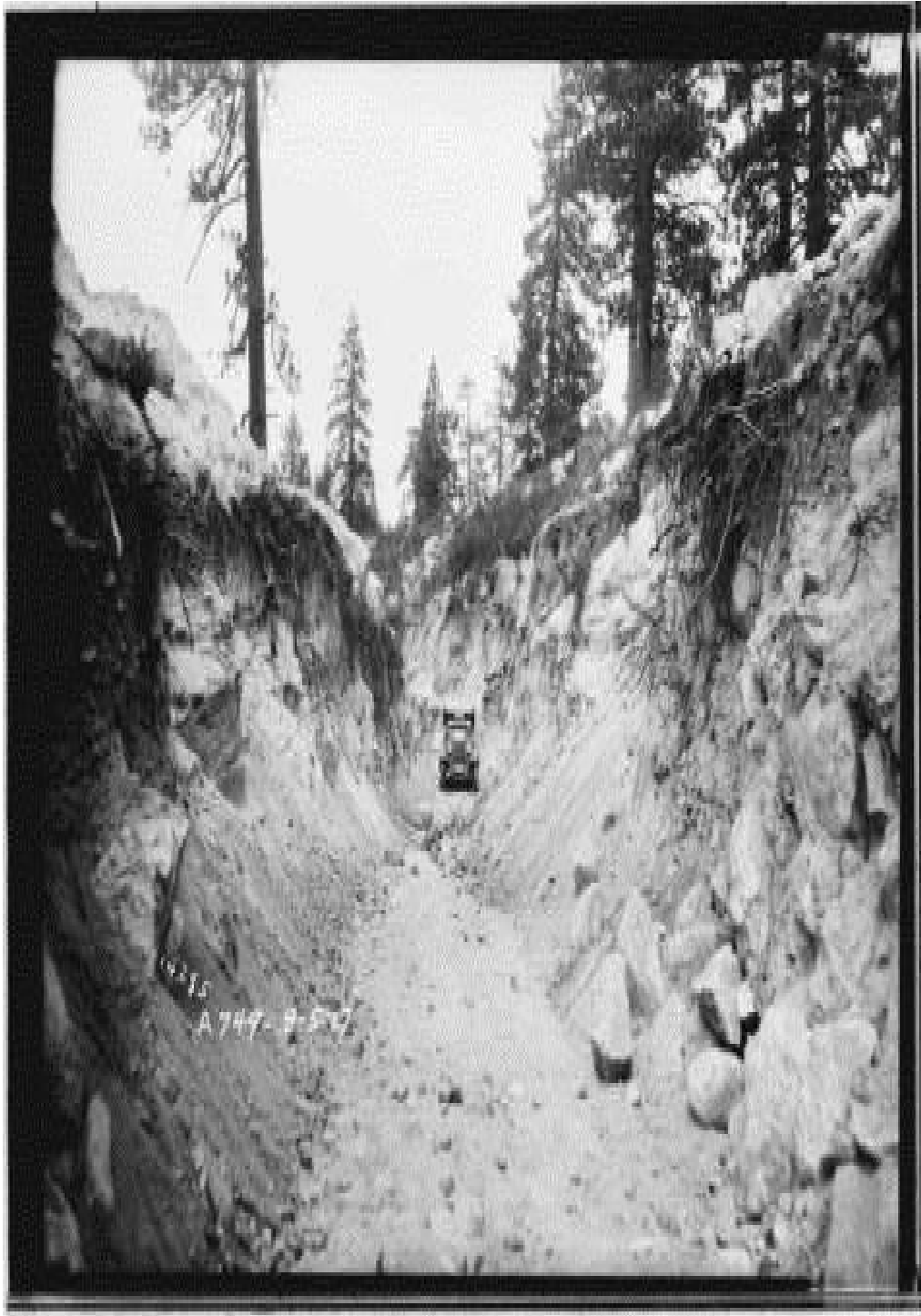
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**Figure 74:** Mono Creek Diversion Dam General Design Drawing, n.d.  
Drawing No. 5100689, SCE Northern Hydro Headquarters.

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**Figure 75:** Auto driving in trench for Mono-Bear Siphon, 1927.  
Image No. SCE-02-14385, Huntington Digital Library.

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**Figure 76:** Mono Siphon construction, 1927.  
Image No. SCE-02-14399, Huntington Digital Library.

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**Figure 77:** Intersection of Mono and Bear Tunnels with Mono Bear Siphon, 1927.  
Image No. SCE-02-14747, Huntington Digital Library.

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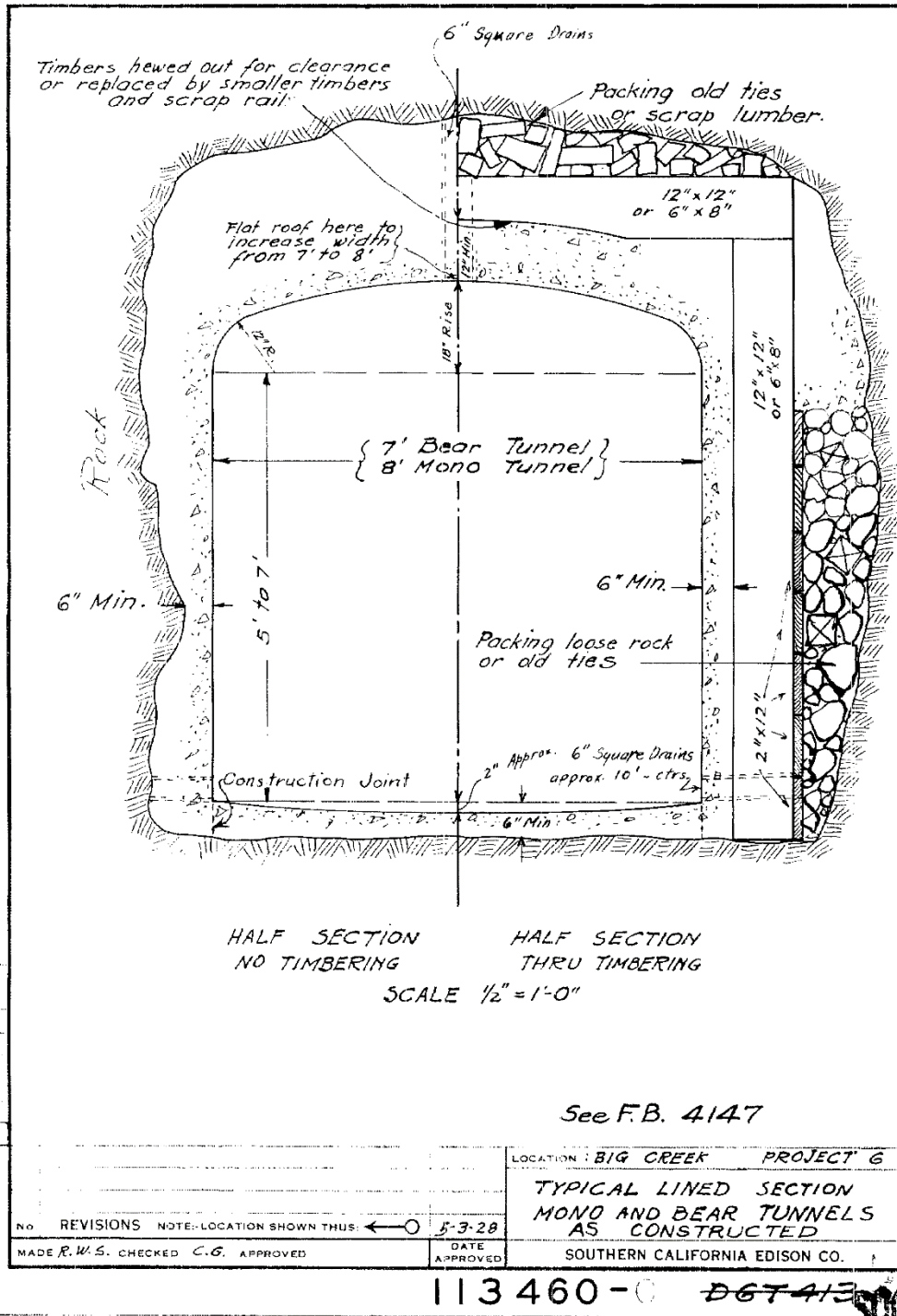


Figure 78: Typical Lined Sections Mono and Bear Tunnels, 1929.  
 Drawing No. 113460, SCE Northern Hydro Headquarters.

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**Figure 79:** Shaver Lake Dam Construction, 1926. Image No. SCE-02-14237, Huntington Digital Library.

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**Figure 80:** Shaver Lake Dam Construction, 1927.  
Image No. SCE-02-14325, Huntington Digital Library.



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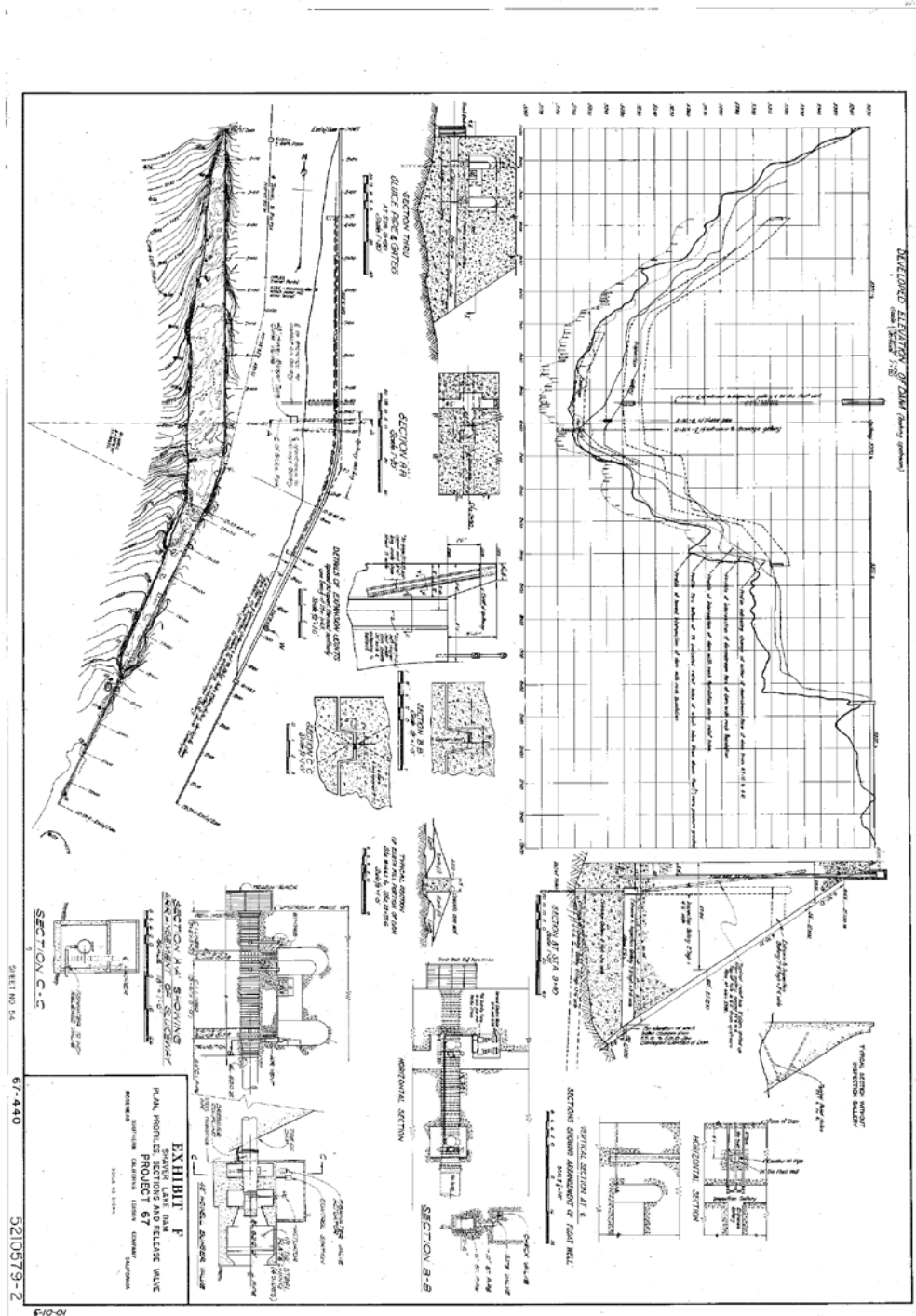


Figure 81: Shaver Lake Dam General Design Drawing, n.d..  
Drawing No. 5210579, SCE Northern Hydro Headquarters.

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**Figure 82:** Shaver Lake, 1926. Image No. SCE-02-14033, Huntington Digital Library.

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**Figure 83:** Tunnel No. 7 Flowline construction, 1927.  
Image No. SCE-02-14318, Huntington Digital Library.

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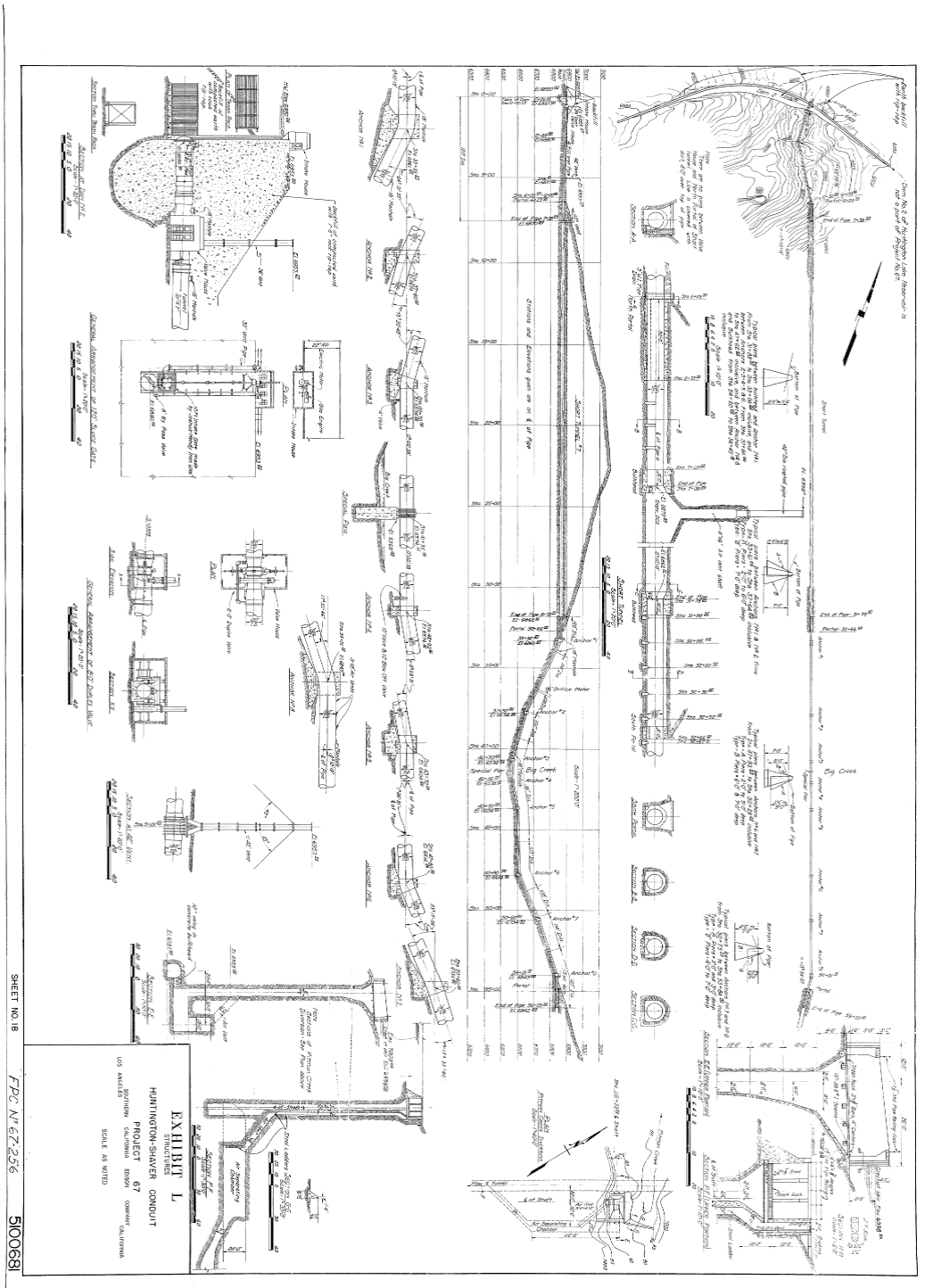


Figure 84: Tunnel No. 7 General Design Drawing, n.d..  
Drawing No. 5100681, SCE Northern Hydro Headquarters.

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**Figure 85:** Powerhouse No. 2A under construction, 1928.  
Image No. SCE-02-15904, Huntington Digital Library.

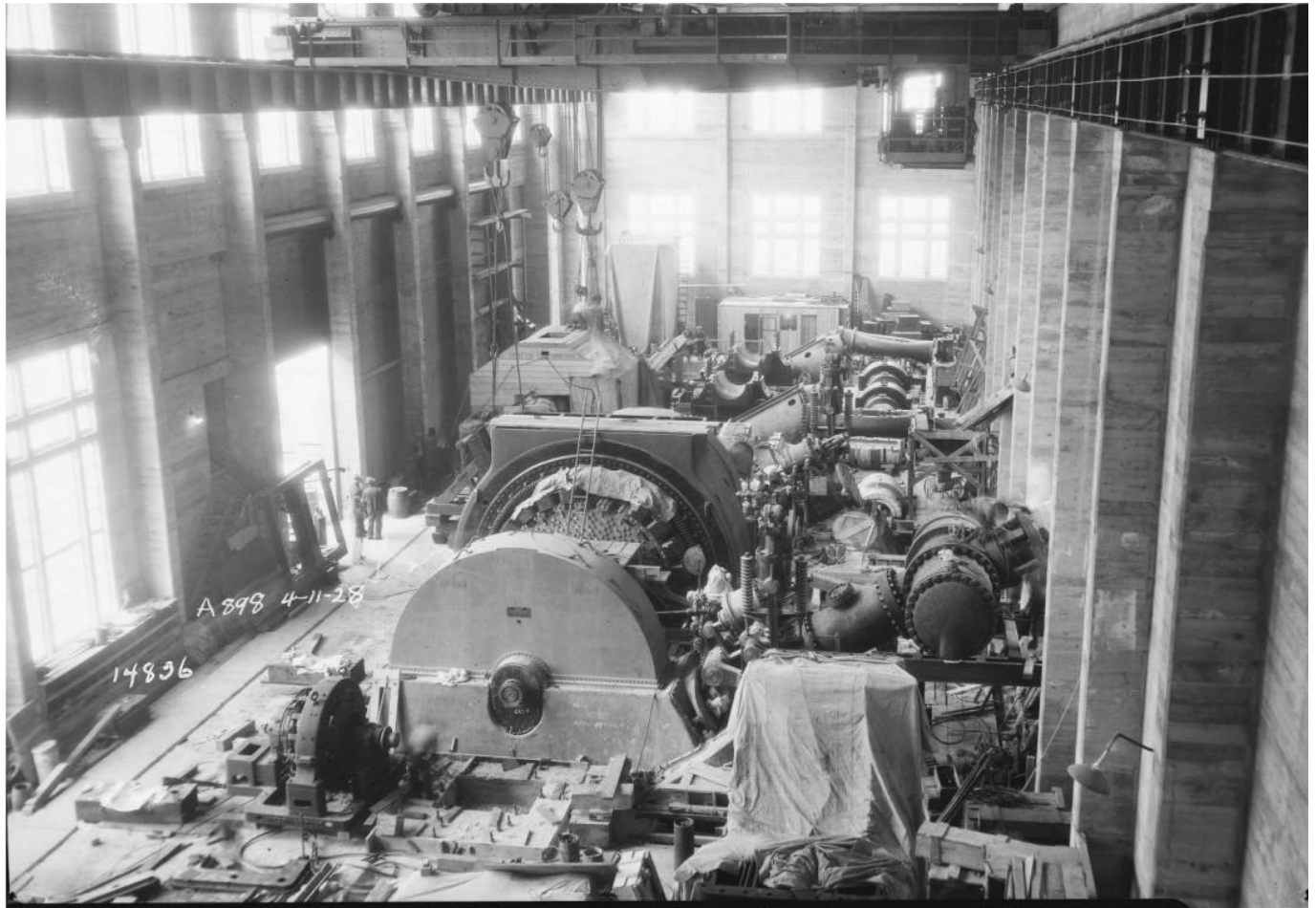
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**Figure 86:** Powerhouse No. 2A Penstock, 1928.  
Image No. SCE-02-14829, Huntington Digital Library.

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**Figure 87:** Powerhouse No. 2A Generator Floor, 1928.  
Image No. SCE-02-14836, Huntington Digital Library.

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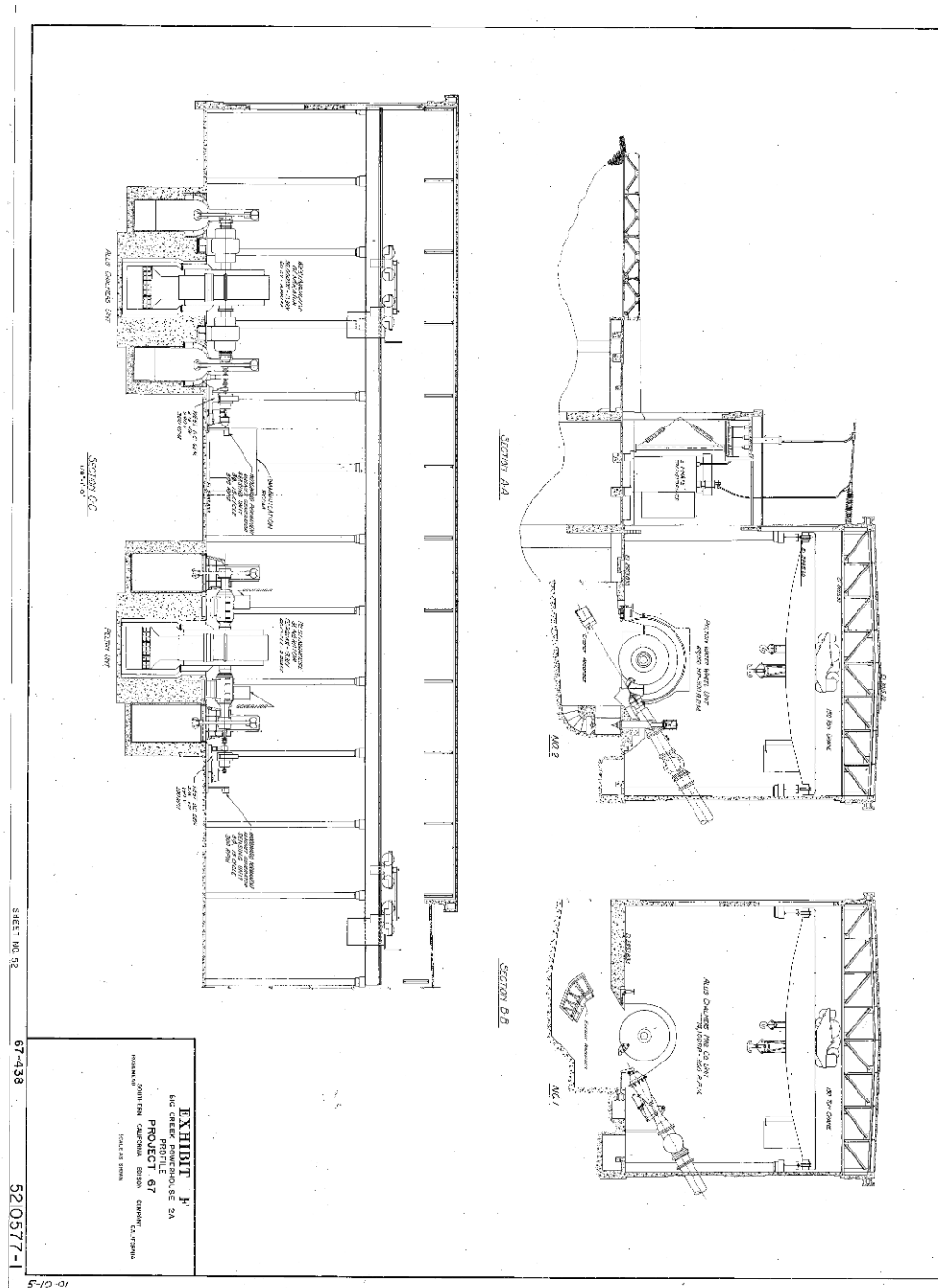


Figure 88: Powerhouse No. 2A General Design Drawing, updated 2001.  
Drawing No. 5210577-1, SCE Northern Hydro Headquarters.



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**Figure 89:** Big Creek East and West Transmission Lines, 1923.  
Image No. SCE-02-08810, Huntington Digital Library.

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**Figure 90:** Big Creek East and West Transmission Lines near Los Angeles City Sanitarium near Silmar, 1920. Image No. SCE-02-08810, Huntington Digital Library.

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**Figure 91:** Raising Big Creek East and West Transmission Lines for 220 kV, 1922.  
Image No. SCE-02-08257, Huntington Digital Library.

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**Figure 92:** Vincent Transmission Line at site of Gould Substation, 1925.  
Image No. SCE-02-13221, Huntington Digital Library.

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**Figure 93:** Crewman hanging on insulator of Vincent Transmission Line, circa 1925.  
Image No. SCE-02-00173, Huntington Digital Library.

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**Figure 94:** Vincent Transmission Line Tower, 1937.  
Image No. SCE-02-19979, Huntington Digital Library.

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**Figure 95:** Eagle Rock Substation, 1928.  
Image No. SCE-02-15370, Huntington Digital Library.

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**Figure 96:** Eagle Rock 220 kV Transformer Installation, 1923.  
Image No. SCE-02-08263, Huntington Digital Library.



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**Figure 97:** Eagle Rock Construction Gang, 1923.  
Image No. SCE-02-08480, Huntington Digital Library.

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**Figure 98:** Magunden Substation, 1917. Image No. SCE-03-00956, Huntington Digital Library.

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**Figure 99:** Magunden Substation, with Big Creek East and West Transmission Lines and attendant housing, 1916. Image No. SCE-03-00802, Huntington Digital Library.

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**Figure 100:** Stone & Webster Blueprint of Magunden Substation, North Elevation, 1913.  
Drawing on file at SCE Northern Hydro Headquarters.

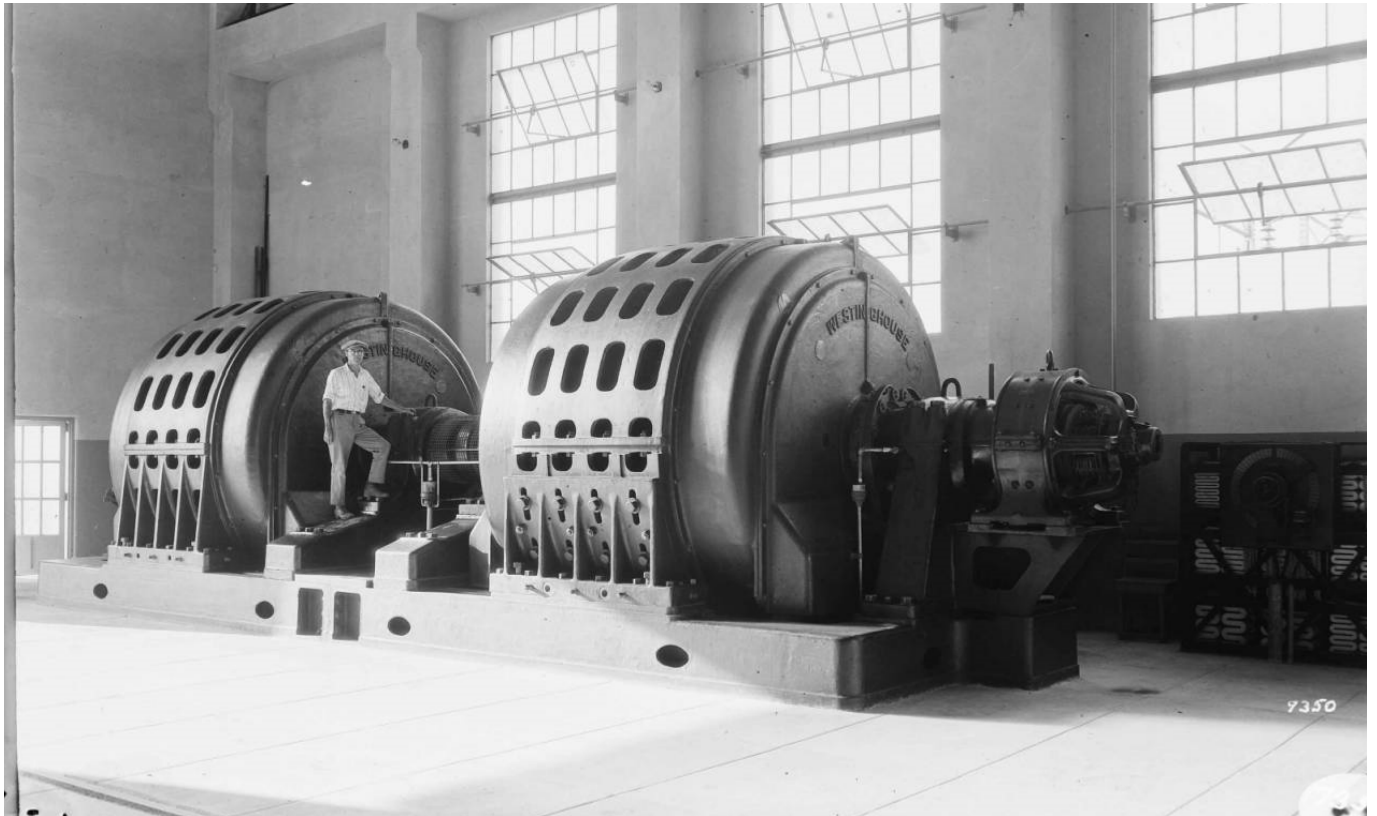
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**Figure 101:** Vestal Substation, with Big Creek East and West Transmission Lines, 1921.  
Image No. SCE-02-07345, Huntington Digital Library.

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**Figure 102:** Vestal Substation Interior, synchronous condensers, 1921.  
Image No. SCE-02-07350, Huntington Digital Library.

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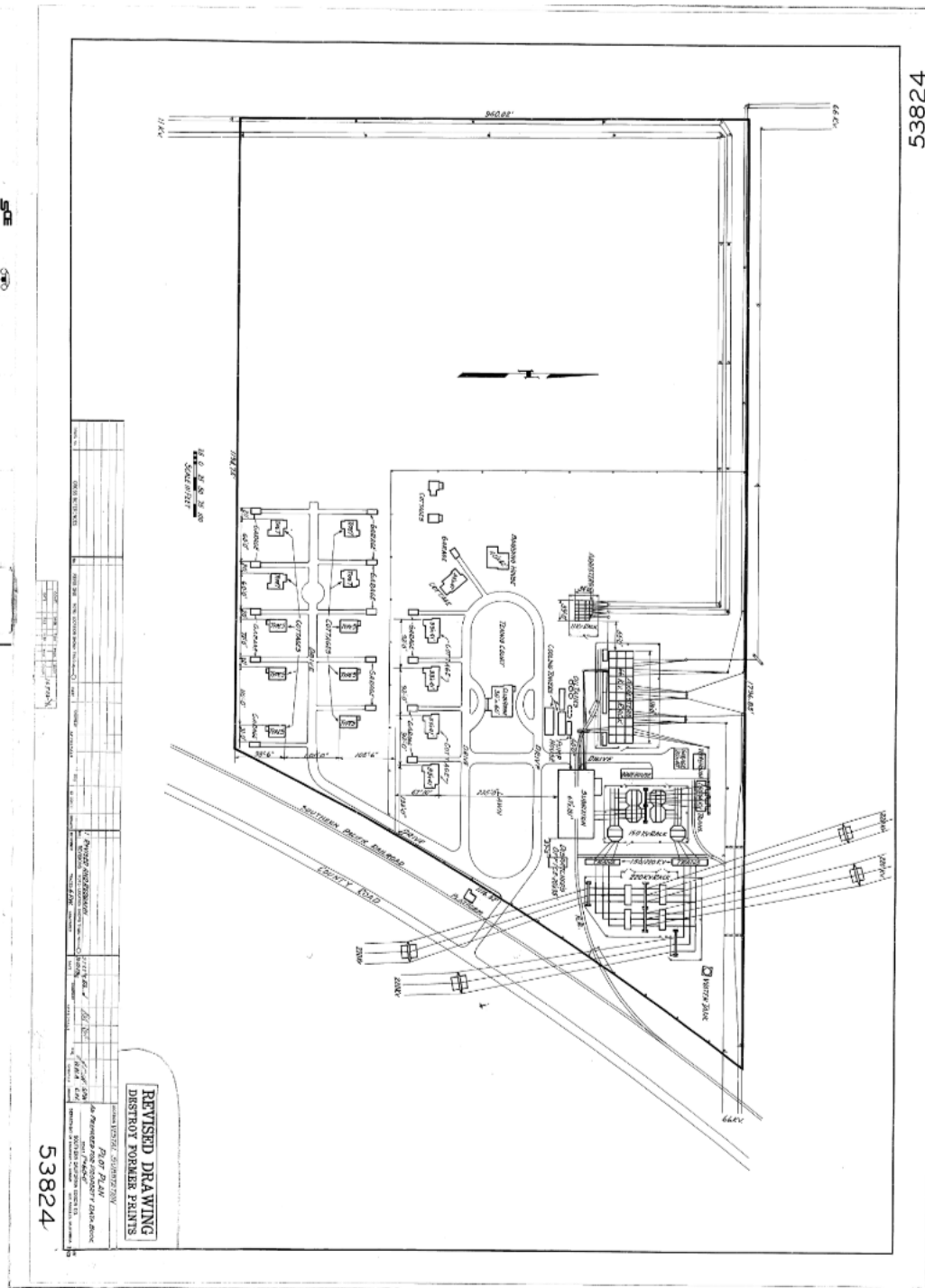


Figure 103: Plot Plan of Vestal Substation, with worker housing, 1928.  
Drawing on file at SCE Northern Hydro Headquarters.

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**Figure 104:** Rector Substation, 1928. Image No. SCE-02-15380, Huntington Digital Library.



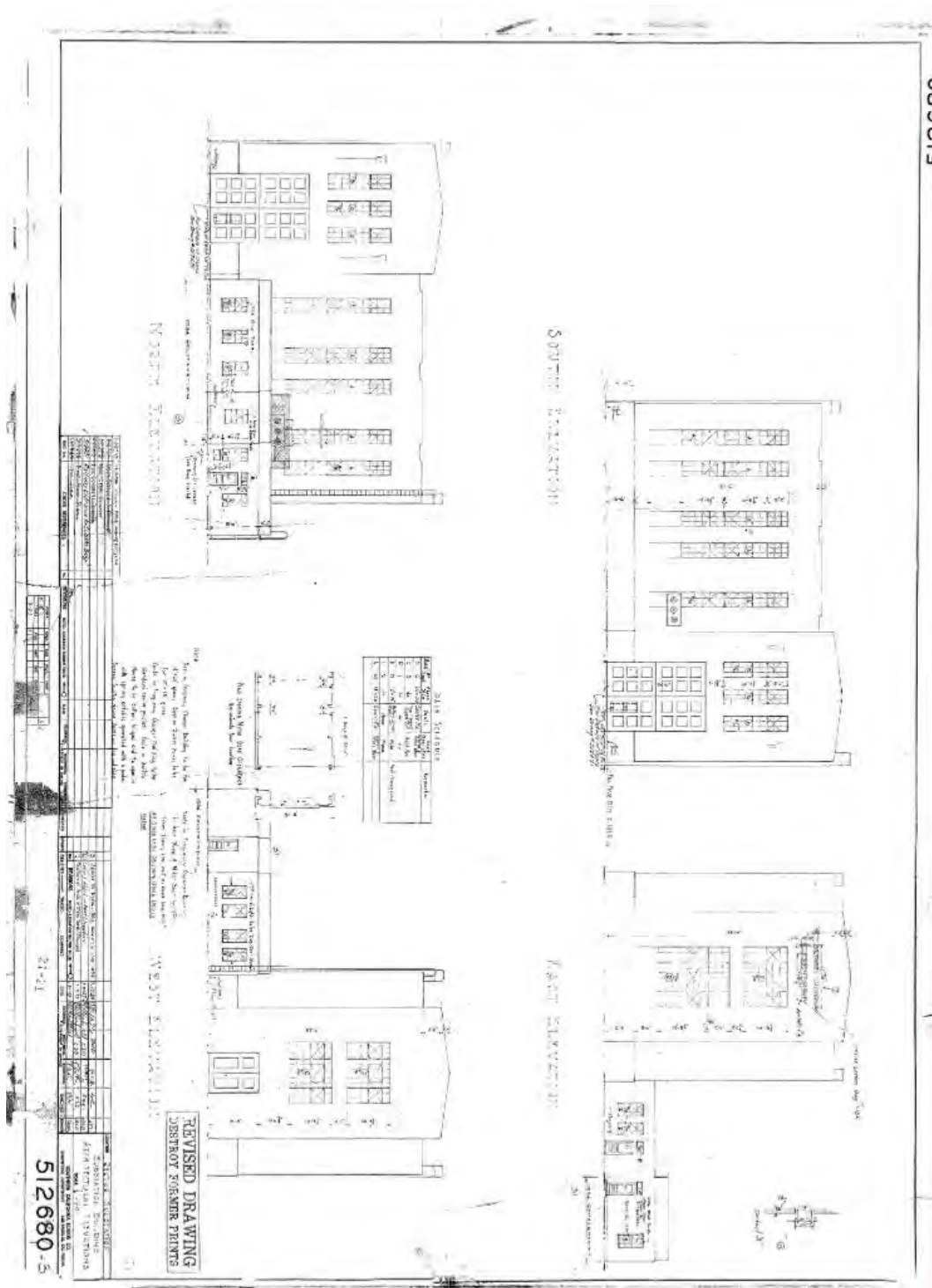
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**Figure 105:** Rector Substation Interior, Frequency Changer being placed, 1927.  
Image No. SCE-02-14428, Huntington Digital Library.

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**Figure 106:** SCE Blueprint of Rector Substation, 1927 with 1954 addition. Drawing on file at SCE Northern Hydro Headquarters.

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**Figure 107:** View from Huntington Lake Road, 1916.  
Image No. SCE-02-04392, Huntington Digital Library.

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**Figure 108:** SJ&E grade under construction, 1912.  
Pacific Light and Power Corporation, 13-Vol. 018, Huntington Digital Library.

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**Figure 109:** SJ&E grade under construction near Auberry, 1912.  
Courtesy of the Michael J. Semas Collection, Auberry.

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**Figure 110:** SJ&E, 1912. Call No. SCE-02-04185, Huntington Digital Library.

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**Figure 111:** SJ&E at Powerhouse No. 1, 1920.  
Image No. SCE-02-06452, Huntington Digital Library.

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**Figure 112:** SJ&E at SPRR Mainline in El Prado, 1912.  
Image No. SCE-12-00022, Huntington Digital Library.



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**Figure 113:** SJ&E on winter run, n.d. Image No. SCE-11-00209, Huntington Digital Library.

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**Figure 114:** SJ&E at Stevenson Creek, 1920.  
Image No. SCE-02-06451, Huntington Digital Library.

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**Figure 115:** SJ&E Engineer, 1920.  
Call Number 13, Vol. 020, Item 6455 Huntington Digital Library.

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**Figure 116:** SJ&E General Scenery, 1913. Call No. SCE-02-22947, Huntington Digital Library.

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**Figure 117:** Incline No. 1 from Big Creek looking toward Huntington Lake Basin, 1923.  
Call No. SCE-02-09186, Huntington Digital Library.

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**Figure 118:** Basin Railroad at top of Incline No. 1, 1913.  
Call No. SCE-03-00384, Huntington Digital Library.

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**Figure 119:** Basin Railroad inundated by Huntington Lake, 1920.  
Call No. SCE-02-06024, Huntington Digital Library.

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**Figure 120:** Incline No. 1 from Powerhouse No. 1 roof, 1913.  
Call No. Stone & Webster, 13-Vol. 028, PO35, Huntington Digital Library.