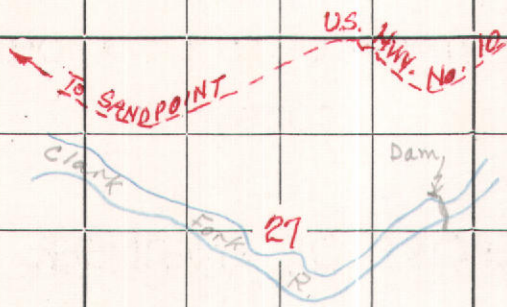


R-3E.

T.
55
N.



Affidavit of Publication

STATE OF IDAHO, }
County of Bonner, } ss.

L. E. Pietsch being first duly sworn on
oath deposes and says that he is Publisher
of The Sandpoint News-Bulletin, a weekly
newspaper printed and published at Sandpoint,
Bonner County, Idaho; that the said Sandpoint
News-Bulletin has been continuously and unin-
terruptedly published in said Bonner County
during a period of 18 months or 78 weeks
prior to the first publication of the hereto
attached notice for publication in the case of

Notice of Proof Application of

Water to Beneficial Use; Permits

Nos. 21783 & 21828

as it was published in the regular and entire issue
of the said paper for a period of Four
consecutive weeks, commencing on the 26th
day of October, 19 61, and end-
ing on the 16th day of November,
19 61, and that said notice was published in said
newspaper, and not in supplemental form.

L. E. Pietsch

Subscribed and sworn to before me this

16th day of November, 19 61

Phyllis Good

Notary Public for Idaho,
Residing at Sandpoint, Idaho.

NOTICE OF PROOF APPLICATION OF WATER TO BENEFICIAL USE

Notice is hereby given that at
10:00 A.M. on the 27th day of No-
vember, 1961, at East 1411 Mission
Avenue at Spokane, Washington,
County of Spokane, State of Wash-
ington, before J. Richard Muffett,
Notary Public proof will be sub-
mitted of the application to bene-
ficial use of 35,000 cubic feet per
second of the waters of the Clark
Fork River in accordance with the
terms and conditions of Permits
Nos. 21783 & 21828 heretofore issued
by the State Reclamation Engineer
of the State of Idaho.

The name and postoffice address
of the person or corporation holding
said permit is The Washington Wa-
ter Power Company, P. O. Drawer
1445, Spokane 10, Washington.

The use of to which said water has
been applied is electric power and
energy production.

The amount to beneficial use is
35,000 cfs under the above permits.

The place where said water is
used (if for irrigation, give full and
accurate description of the lands
irrigated) is at the Cabinet Gorge
Hydroelectric Development near
Clark Fork, Idaho. The use is non-
consumptive. Location: Lots 2 & 7,
Sec. 27, T. 55 N., R. 3 E.B.M.

The name of the canal or ditch
or other works by which said water
is conducted to such place of use
is none other than penstock tunnels.
The right to take water from such
works is based upon Permits Nos.
21783 and 21828.

The source of supply from which
such water is diverted is the Clark
Fork River.

The dates of priority which said
user is prepared to establish are
September 7, 1950 for Permit No.
21783 and November 7, 1950, for
Permit No. 21828.

GEO. N. CARTER,

State Reclamation Engineer.

026-n2-9-16

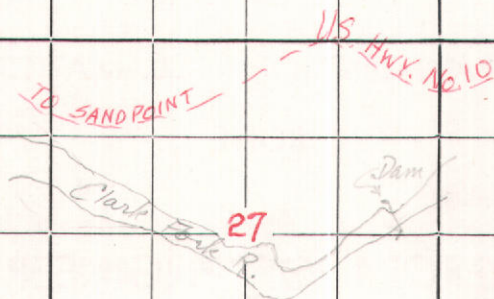
RECEIVED
DEC 1 1961

Department of Reclamation

21828

R-3E.

T.
55
N.



They claim $92\frac{1}{2}\%$ turbine efficiency.
 " " 97% Generator " "

This gives an overall efficiency of 89.6%
 This makes a total of 33600 cfs.

Takes 86% over all efficiency to make 35000 cfs

$$230000 \text{ KW.} \div 745.6 = \text{hp.}$$

$$\frac{\text{hp.} \times 550}{90 \times 62\frac{1}{2}} = \text{cfs.}$$

(562)

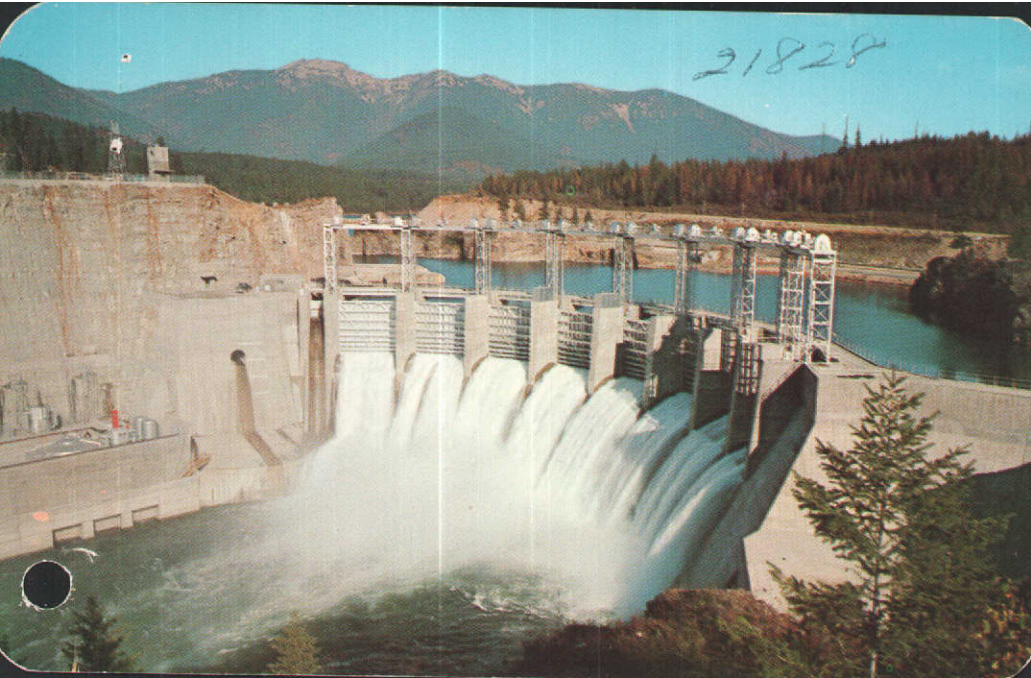
$90 = 1.7 \rightarrow$
 $62\frac{1}{2} = \text{W.}$

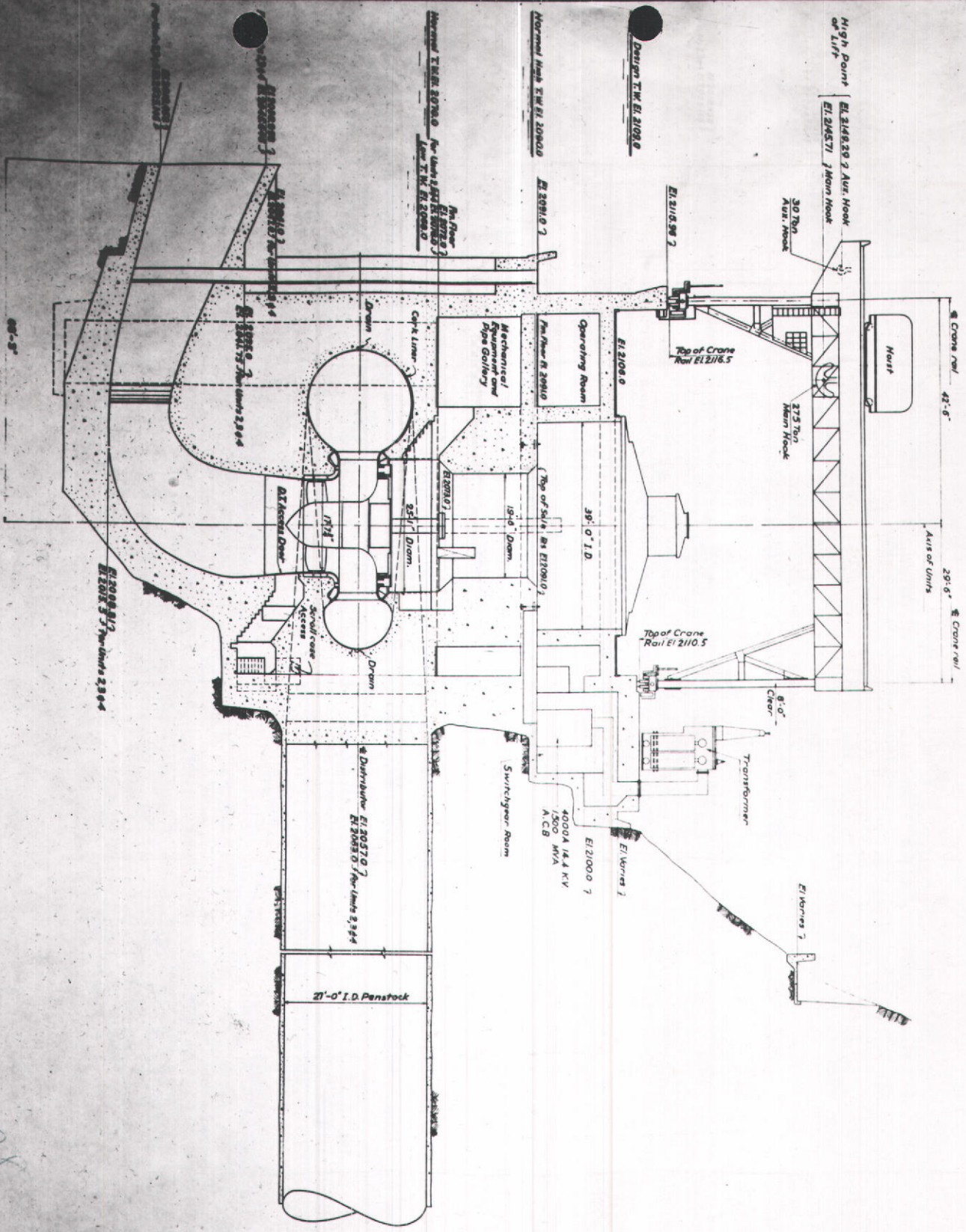
Seems to me they are doing excellent
 at 86% overall efficiency in which case
 $Q = 10000$ cfs.

21828



31828





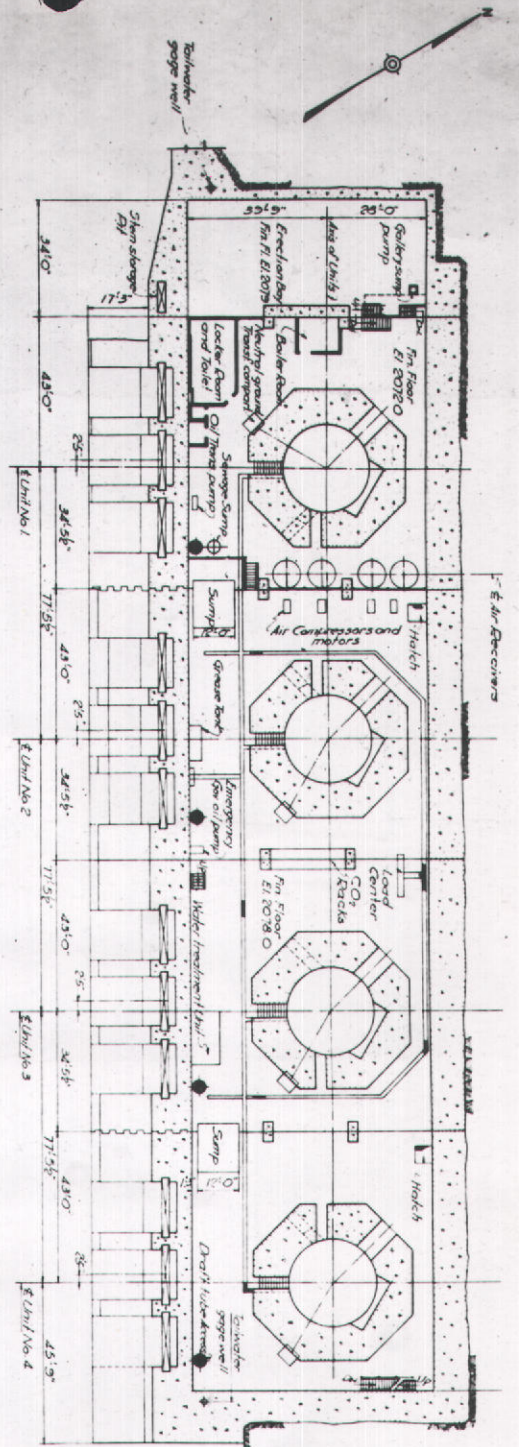
NOTES
 GENERATOR
 55,555 KVA, vertical W.W. generator 0.90 PF
 3 phase, 60 cycles 13,800V 120R.P.M.
 TRANSFORMER
 42,500 KVA. 1 phase 60 cycle 230-13.8KV Power Transformer
 TURBINE
 70,500 H.P. 120R.P.M. at 90ft. head
 CRANE
 4 Motor outdoor Gantry Crane
 275 Ton Main Lift, 30 Ton Aux. Lift.

APPROVED
 MAR 20 1952
 State Reclamation Engineer
Mark R. Dwyer

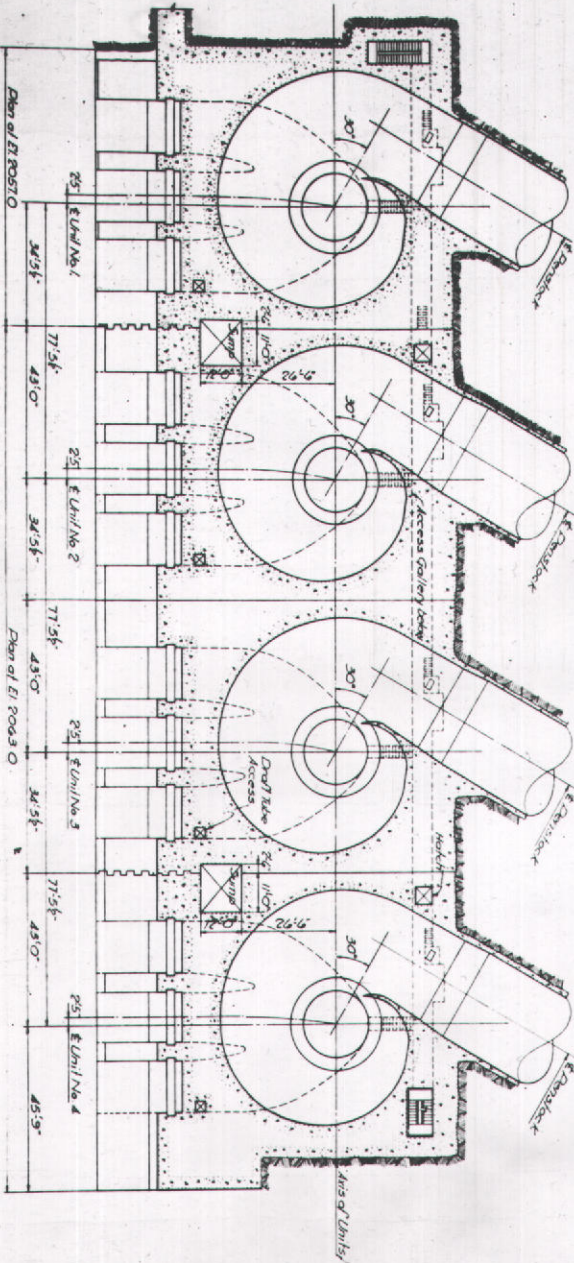
THE WASHINGTON WATER POWER CO.

APPLICATION FOR APPROVAL OF SALE
 LAND STATE DEPARTMENT OF LANDS
 PERMIT NO. 2172 & 2182
 CLARK FORK RIVER

21828



PLAN OF PIPE GALLERY



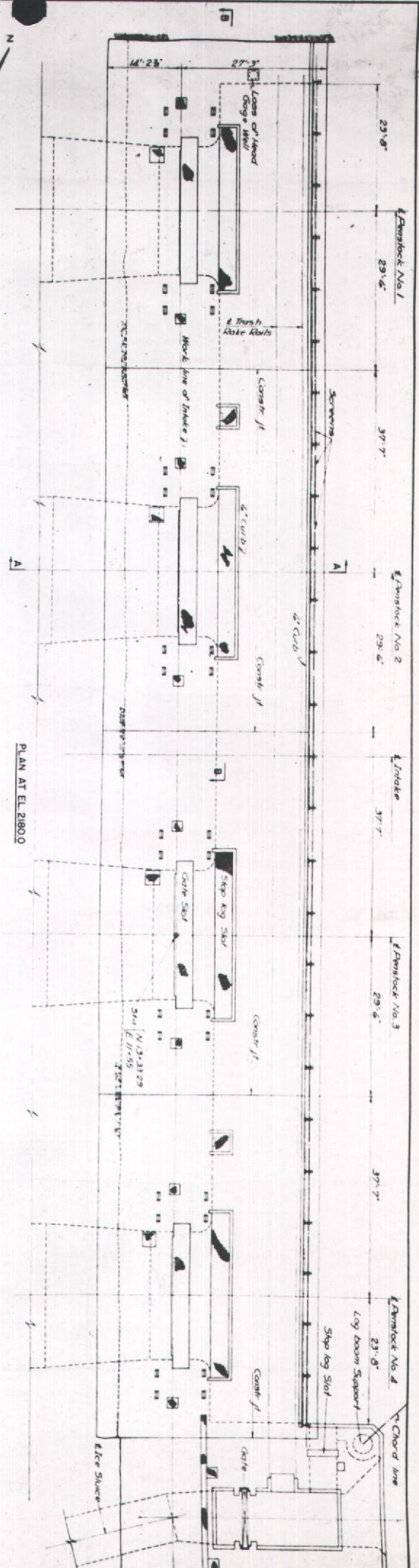
PLAN AT DISTRIBUTOR



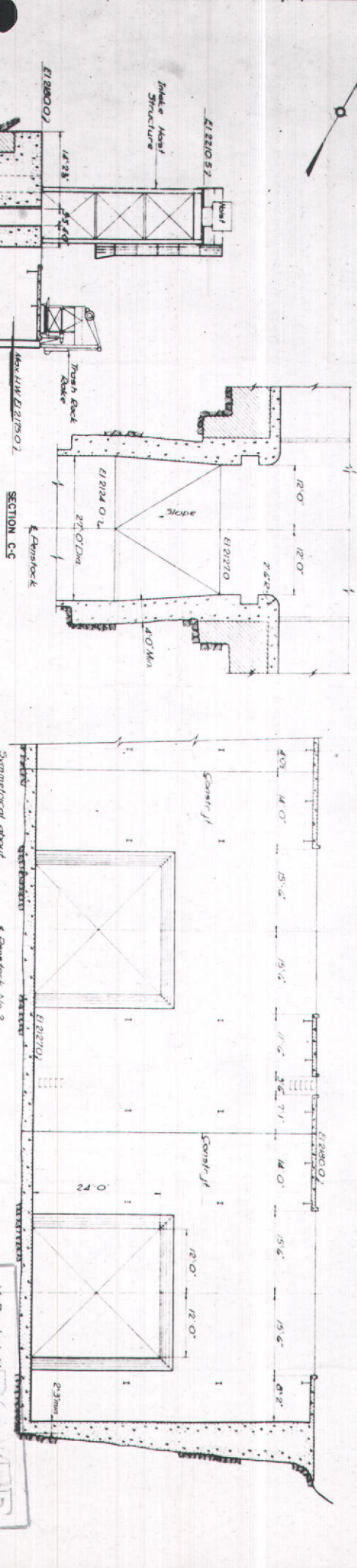
APPROVED
MAR 20 1952
Mark R. Gault
STATE RECLAMATION ENGINEER

CABINET ROOM H.E. DEVELOPMENT
POWER HOUSE — PLAN OF PIPE GALLERY AND AT & DISTRIBUTOR
THE WASHINGTON WATER POWER CO.

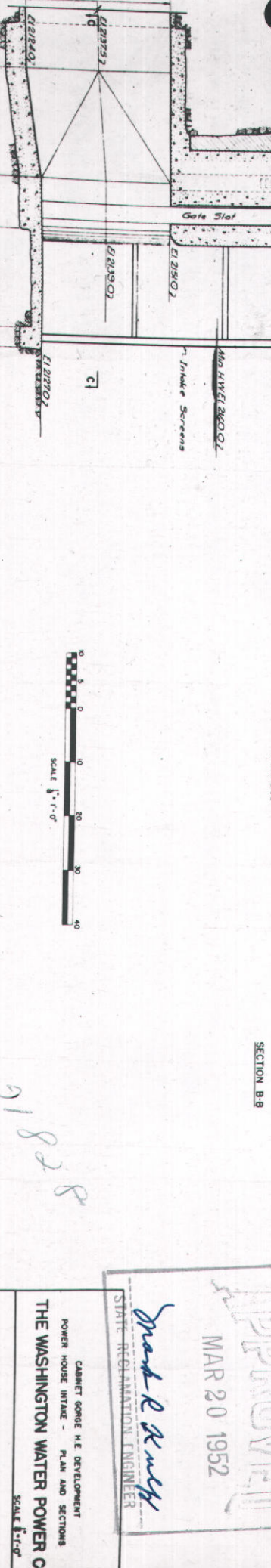
APPLICATION FOR APPROVAL OF DAM
BAND STATE DEPARTMENT OF RECLAMATION
PERMIT NOS. 21783 & 21828
CLARK FORK RIVER



PLAN AT EL. 2800



SECTION C-C



SECTION A-A



SCALE 1" = 10'

APPROVED
 MAR 20 1952
 State Reclamation Engineer
 Mark E. R. M.

CABINET GORGE H.E. DEVELOPMENT
 POWER HOUSE INTAKE - PLAN AND SECTIONS
 THE WASHINGTON WATER POWER CO.
 SCALE 1" = 10'

APPLICATION FOR APPROVAL OF DAM
 IDING STATE DEPARTMENT OF RECLAMATION
 PERMIT NOS. 21783 & 21928
 CLARK FORK RIVER
 SHEET 14 OF 16 SHEETS

21828

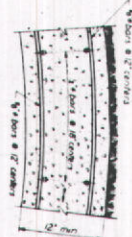
PROFILE AT & OF PENSTOCK NO.1
Scale 1" = 40'-0"

PROFILE AT 4 OF PENSTOCK NO. 4
Scale 1" = 40'-0"

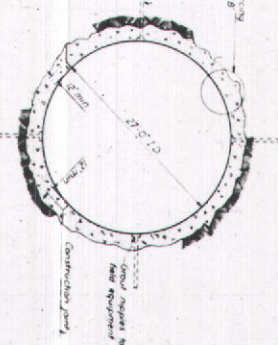
PROFILE AT E. OF PENSTOCK NO. 2
Scale 1" = 40'-0"

PROFILE AT 4. OF PENSTOCK NO. 3
Scale 1" = 40'-0"

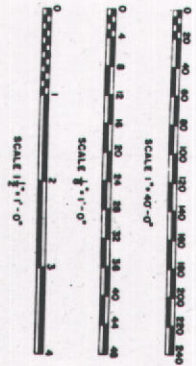
NOTE: The lining of these funnels is to be reinforced and the concrete minimum depth increased to 12" only at 150-



SECTION A-A
Typical for all Penstocks
Scale $\frac{1}{8}" = 1'-0"$

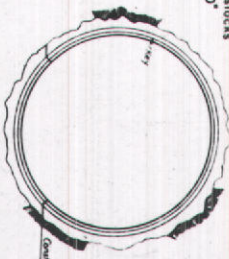


DETAIL 'B'
Scale 1½" = 1'-0"



NOTE: Circumferential joints shall be provided approximately 38 feet apart and beyond as shown

SECTION AT VERTICAL
CONSTRUCTION JOINT

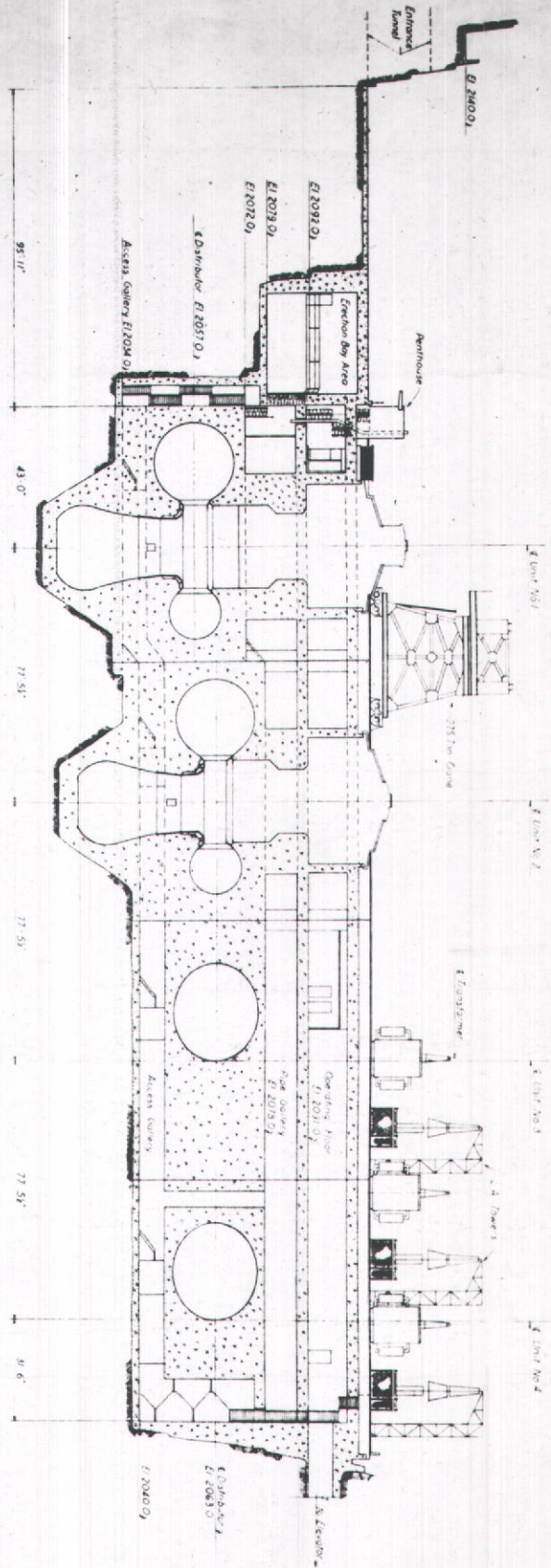


STATE RECLAMATION ENGINEER

MAR 20 1952

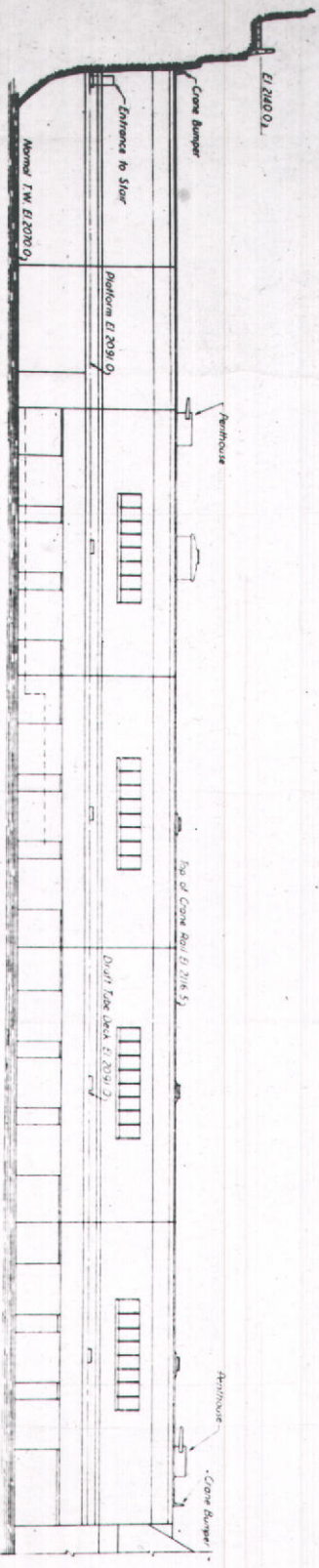
THE WASHINGTON WATER POWER CO.

APPLICATION FOR APPROVAL OF DAM
DAM STATE DEPARTMENT OF REGULATION
PERMIT NO. 21763 & 21828
CLARK FORK RIVER



LONGITUDINAL SECTION AT AXIS OF UNITS

LONGITUDINAL SECTION AT ACCESS GALLERY



DOWNSTREAM ELEVATION



21828

APPROVED
MAR 20 1952
Mark R. Stucky
STATE RECLAMATION ENGINEER

CABINET GOULD INC. DEVELOPMENT
POWER HOUSE LONGITUDINAL SECTION AND DOWNSTREAM ELEVATION
THE WASHINGTON WATER POWER CO.
SCALE 1"=100'

APPLICATION FOR APPROVAL OF DAM
DAM SITE DEPARTMENT OF RECLAMATION
PERMIT NOS. 21783 & 21828
CLARK FORK RIVER
SHEET 10 OF 10 SHEETS

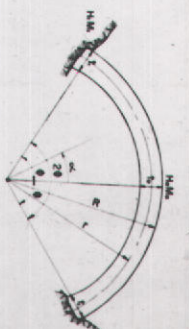
THRUST AND MOMENT PER LF RISE OR FALL OF TEMPERATURE AT
CROWN AND ABUTMENT IN POUNDS PER SQ. FT. BY W. CAIN'S FORMULAS

COL	ITEM	EL.205	EL.210	EL.210	EL.200	EL.2090	EL.2080	EL.2070	EL.2060	EL.2050	EL.2040
1	1. Thickness of Crown	2.50	1.60	2.00	2.00	2.20	2.30	2.40	2.40	2.40	2.40
2	2. Thickness of Abutment	2.50	1.70	2.10	2.20	2.50	2.70	2.80	2.90	3.00	3.00
3	3. (L) ²	6250	2500	4000	4000	4840	5290	5760	5760	5760	5760
4	4. (L) ³	8410	2690	4410	4840	6250	7290	7640	8410	9000	9000
5	5. Mean Radius	22000	29300	22250	22250	21100	20000	19400	18800	18300	17750
6	6. 1/2 Crown Angle	48400.00	50400.25	49500.25	49500.25	44501.00	40000.00	37500.00	35300.25	33400.00	31500.25
7	7. 2 1/2 Crown Angle	10279	10234	10234	10234	10234	10234	10234	10234	10234	10234
8	8. 1/2 Central Angle in Degrees	5724.30	5724.30	5724.30	5724.30	5724.30	5724.30	5724.30	5724.30	5724.30	5724.30
9	9. 1/2 Central Angle in Radians	0.89724506	0.89724506	0.89724506	0.89724506	0.89724506	0.89724506	0.89724506	0.89724506	0.89724506	0.89724506
10	10. Sin 2 1/2	0.0750849	0.0750849	0.0750849	0.0750849	0.0750849	0.0750849	0.0750849	0.0750849	0.0750849	0.0750849
11	11. Sin 1/2	0.0218321	0.0218321	0.0218321	0.0218321	0.0218321	0.0218321	0.0218321	0.0218321	0.0218321	0.0218321
12	12. Sin 1/4	0.0109161	0.0109161	0.0109161	0.0109161	0.0109161	0.0109161	0.0109161	0.0109161	0.0109161	0.0109161
13	13. Cos 1/2	0.9998839	0.9998839	0.9998839	0.9998839	0.9998839	0.9998839	0.9998839	0.9998839	0.9998839	0.9998839
14	14. Cos 1/4	0.9997938	0.9997938	0.9997938	0.9997938	0.9997938	0.9997938	0.9997938	0.9997938	0.9997938	0.9997938
15	15. Cos 1/8	0.9996938	0.9996938	0.9996938	0.9996938	0.9996938	0.9996938	0.9996938	0.9996938	0.9996938	0.9996938
16	16. Sin 1/8	0.0003062	0.0003062	0.0003062	0.0003062	0.0003062	0.0003062	0.0003062	0.0003062	0.0003062	0.0003062
17	17. Sin 1/16	0.0001531	0.0001531	0.0001531	0.0001531	0.0001531	0.0001531	0.0001531	0.0001531	0.0001531	0.0001531
18	18. Cos 1/16	0.9998469	0.9998469	0.9998469	0.9998469	0.9998469	0.9998469	0.9998469	0.9998469	0.9998469	0.9998469
19	19. L ² / R	0.0001076	0.0001076	0.0001076	0.0001076	0.0001076	0.0001076	0.0001076	0.0001076	0.0001076	0.0001076
20	20. L ³ / R	0.0000076	0.0000076	0.0000076	0.0000076	0.0000076	0.0000076	0.0000076	0.0000076	0.0000076	0.0000076
21	21. L ⁴ / R	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006	0.0000006
22	22. L ⁵ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
23	23. L ⁶ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
24	24. L ⁷ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
25	25. L ⁸ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
26	26. L ⁹ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
27	27. L ¹⁰ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
28	28. L ¹¹ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
29	29. L ¹² / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
30	30. L ¹³ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
31	31. L ¹⁴ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
32	32. L ¹⁵ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
33	33. L ¹⁶ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
34	34. L ¹⁷ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
35	35. L ¹⁸ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
36	36. L ¹⁹ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
37	37. L ²⁰ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
38	38. L ²¹ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
39	39. L ²² / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
40	40. L ²³ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
41	41. L ²⁴ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
42	42. L ²⁵ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
43	43. L ²⁶ / R	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

NOTE: 1. and 2. are in psi
for a 1/2 in. fall of temp.

Elevation	WATER LOAD				TEMP. FALL + C				WATER LOAD + TEMP. FALL + I			
	Crown	Abutment	Crown	Abutment	Crown	Abutment	Crown	Abutment	Crown	Abutment	Crown	Abutment
2135	+31.5	+18.3	+20.0	+1.39	-1.86	+2.24	+6.54	-3	-5.0	+6.41		
2120	+44.1	+34.2	+20.2	+4.00	-8.6	+5.27	+1.30	+3.5	+5.97			
2110	+43.4	+19.4	+10.9	+4.59	-9.6	-12.1	+1.98	+1.83	+5.30	+6.52		
2100	+50.1	+22.4	+2.37	+4.63	-8.8	-11.1	+1.67	+1.53	+3.89	+1.13	+4.0	+6.16
2090	+49.6	+21.4	+2.25	+4.12	-8.3	-10.6	+1.48	+1.36	+3.79	+1.08	+7.7	+5.6
2080	+50.2	+22.2	+2.61	+3.59	-7.3	-9.4	-1.22	+1.13	+3.75	+1.28	+1.39	+4.82
2070	+52.9	+21.1	+2.42	+4.08	+7.1	-9.3	-1.23	+1.12	+6.00	+1.18	+1.19	+5.50
2060	+56.6	+21.9	+2.80	+3.87	+6.3	-8.4	-1.03	+9.4	+6.29	+1.35	+1.77	+4.81
2050	+59.5	+23.7	+3.30	+3.30	+5.3	-7.0	-8.1	+7.3	+6.48	+1.67	+2.49	+4.27
2040	+62.6	+24.7	+3.45	+3.73	+4.5	-5.9	-6.8	+6.2	+6.71	+1.88	+2.77	+4.35

NOTE: Shear stress are in psi



TYPICAL DIAGRAM SHOWING
NOTATION USED IN FORMULAS

FORMULAS AND ASSUMPTIONS

In accordance with Cain:

$$D = \frac{L^2}{2} \left(\frac{1}{R} - \frac{1}{R_0} \right)$$
 Arch rise of abutments and symmetrical.
 Piers ratio - 0
 Shear - 0
 Centrifugal effect - 0
 L - Length of arch
 E - Modulus of elasticity - 4,000,000 psi
 c - Coefficient of expansion, 1°F = 0.000006
 Ec - 24,000,000 psi
 T - Range of temperature in degrees Fahrenheit
 Rise of temperature considered positive (+)
 Fall of temperature considered negative (-)
 (+) indicates tension
 (-) indicates compression
 Shear is considered positive
 Arch shortening is considered negative
 Shear coefficient - 0.0001
 Arch shortening coefficient - Average unit comp.

Sealing - Equivalent temp. change - 0.001
 Arch shortening - Eqn. temp. change - Δt unit comp.
 E - Sum of equivalent temp. changes due to
 swelling and arch shortening

MAR 20 1952

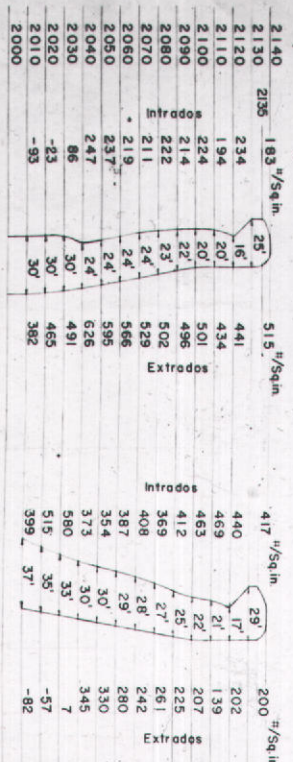
STATE RECLAMATION ENGINEER

THE WASHINGTON WATER POWER CO.

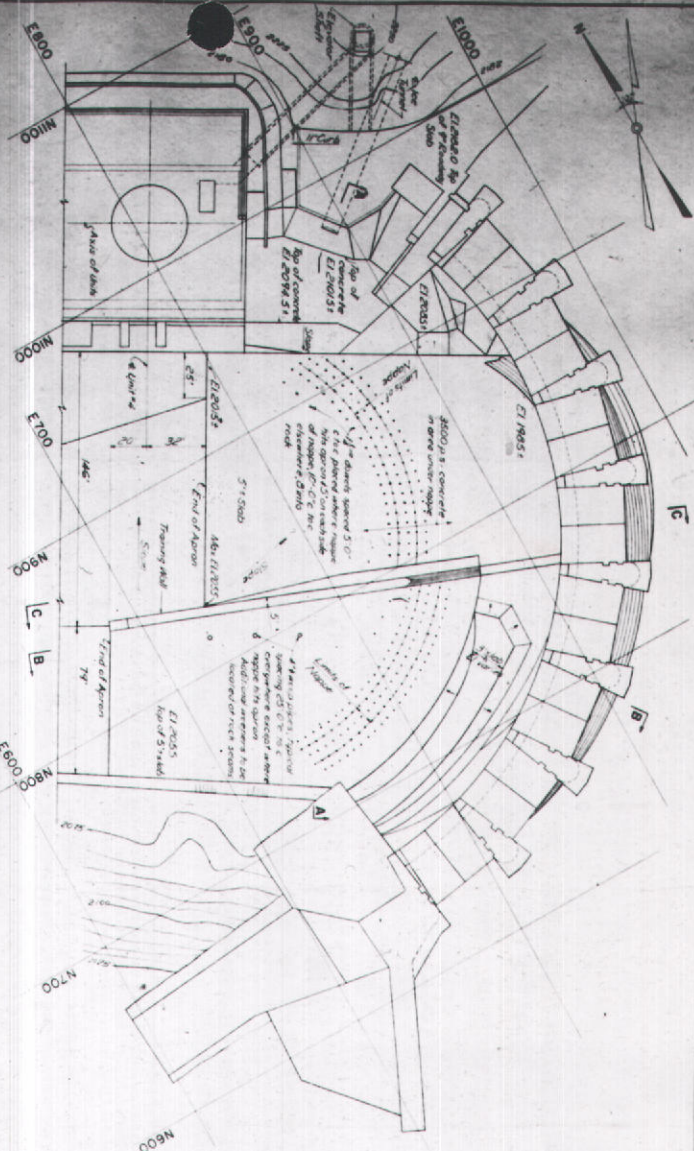
CLARK FORK RIVER

Se Stress in lbs per sq in extrados
Si Stress in lbs per sq in intrados
(+) Indicates compression
(-) Indicates tension

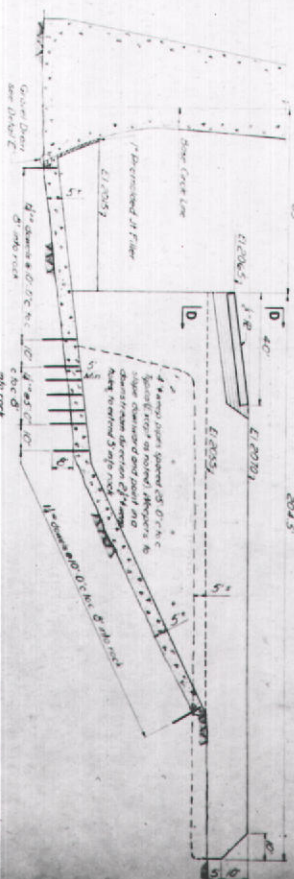
COL.	ITEM	EL. 2135	EL. 2120	EL. 2110	EL. 2100	EL. 2090	EL. 2080	EL. 2070	EL. 2060	EL. 2050	EL. 2040	COL.	ITEM	EL. 2030	EL. 2020	EL. 2010
1	L-Thickness of Crown (ft)	2.80	1.60	2.00	2.00	2.00	2.00	2.00	2.40	2.40	2.40	1	L-Thickness of Crown (ft)	3.00	3.00	3.00
2	L-Thickness of Abut (ft)	2.80	1.70	2.00	2.00	2.00	2.00	2.00	2.40	2.40	2.40	2	R-Radius of Extrados (ft)	172.0	154.7	137.2
3	R-Radius of Extrados (ft)	67.80	26.60	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	3	R-Radius of Intrados (ft)	142.0	124.7	107.2
4	R-Radius of Abut (ft)	64.10	22.90	44.00	44.00	44.00	44.00	44.00	44.00	44.00	44.00	4	r-Mean radius-R-1/2	157.0	139.7	122.2
5	R-Radius of Extrados (ft)	23.25	22.25	22.25	22.25	22.25	22.25	22.25	22.25	22.25	22.25	5	R/R ₁	12.11/24.71	12.40/27.91	12.50/30.75
6	R-Radius of Abut (ft)	22.00	22.45	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	6	r ₁ h ₁ 2.30/25.85/09 log ₁₀ R/R ₁	1.56/32.11/31	1.61/31.71/21	1.63/30.47/14
7	A ₁ (%) ¹	77.44/0000	196.07/36	173.36/63	173.36/63	173.36/63	173.36/63	173.36/63	173.36/63	173.36/63	173.36/63	7	r ₁ h ₁ 2.30/25.85/09 log ₁₀ (R/R ₁)	3.33/49.72	3.30/49.31	3.25/49.31
8	Bottom Load in % on Ext.	57.81/75	34.75	40.62/50	40.62/50	40.62/50	40.62/50	40.62/50	40.62/50	40.62/50	40.62/50	8	R/R ₂ 302/85/09 log ₁₀ R/R ₁	27.2	61.77/72	86.63/24.67/54/45/09/31/50
9	R/R ₁	134.41/0000	79.92/21	94.43/25	94.43/25	94.43/25	94.43/25	94.43/25	94.43/25	94.43/25	94.43/25	9	R/R ₂ 302/85/09 log ₁₀ R/R ₁	27.2	61.77/72	86.63/24.67/54/45/09/31/50
10	R/R ₂	257.10/25	734.44/09	201.68/203	242.44/0234	242.44/0234	242.44/0234	242.44/0234	242.44/0234	242.44/0234	242.44/0234	10	R/R ₂ 302/85/09 log ₁₀ R/R ₁	27.2	61.77/72	86.63/24.67/54/45/09/31/50
11	2 nd Central Angle	102.49	102.49	102.49	102.49	102.49	102.49	102.49	102.49	102.49	102.49	11	C ₁ -h ₁	24.4/84.4/64	0.33/35.09/9	0.47/82.61/60
12		57.81/30	57.81/30	57.81/30	57.81/30	57.81/30	57.81/30	57.81/30	57.81/30	57.81/30	57.81/30	12	Y _h	100.10/35/45	100.30/38/07/31	100.05/40/48/41
13	DONUTS/333 rd in Rods	0.82/74.65/0	0.82/74.65/0	0.82/74.65/0	0.82/74.65/0	0.82/74.65/0	0.82/74.65/0	0.82/74.65/0	0.82/74.65/0	0.82/74.65/0	0.82/74.65/0	13	R/R ₁	0.91/102.64/9	0.85/109.35/62	0.84/117.82/61
14	134 th	1.70/64.53/1	1.70/64.53/1	1.70/64.53/1	1.70/64.53/1	1.70/64.53/1	1.70/64.53/1	1.70/64.53/1	1.70/64.53/1	1.70/64.53/1	1.70/64.53/1	14	R/R ₁	1.10/82.64/9	1.11/91.36/35	1.11/101.36/35
15	6 th	5.53/5.47/0	5.53/5.47/0	5.53/5.47/0	5.53/5.47/0	5.53/5.47/0	5.53/5.47/0	5.53/5.47/0	5.53/5.47/0	5.53/5.47/0	5.53/5.47/0	15	2 nd	10.10/30	45/30	72/30
16	6 th	0.97/50.04/9	0.97/50.04/9	0.97/50.04/9	0.97/50.04/9	0.97/50.04/9	0.97/50.04/9	0.97/50.04/9	0.97/50.04/9	0.97/50.04/9	0.97/50.04/9	16	2 nd	10.10/30	45/30	72/30
17	0.87 Sin 2 nd	0.64/62.89/9	0.64/62.89/9	0.64/62.89/9	0.64/62.89/9	0.64/62.89/9	0.64/62.89/9	0.64/62.89/9	0.64/62.89/9	0.64/62.89/9	0.64/62.89/9	17	0.0074/53.33	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
18	3 Sin 2 nd	2.92/50.84/7	2.92/50.84/7	2.92/50.84/7	2.92/50.84/7	2.92/50.84/7	2.92/50.84/7	2.92/50.84/7	2.92/50.84/7	2.92/50.84/7	2.92/50.84/7	18	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
19	6 th	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	19	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
20	6 th	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	20	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
21	12 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	21	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
22	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	22	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
23	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	23	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
24	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	24	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
25	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	25	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
26	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	26	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
27	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	27	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
28	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	28	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
29	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	29	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
30	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	30	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
31	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	31	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
32	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	32	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
33	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	33	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
34	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	34	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
35	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	35	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
36	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	36	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
37	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	37	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
38	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	38	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
39	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	39	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
40	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	40	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
41	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	41	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
42	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	42	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
43	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	43	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
44	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	44	1 Sin 2 nd	0.68/1.31/61	0.74/1.65/35/62/83/105	0.75/1.65/35/62/83/105
45	1 Sin 2 nd	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	0.74/61/2	45	1 Sin 2 nd	0.68		



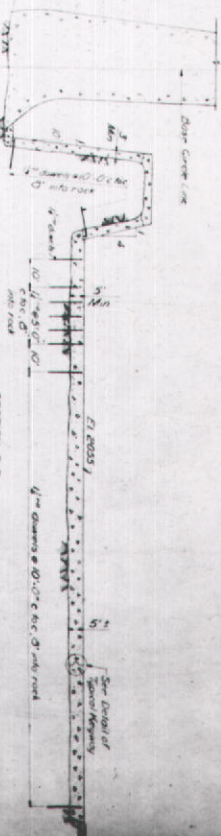
NOTES
These computations are made under the assumption that the arches shall take the full water pressure and are based on the method developed by William C. (Paper No. 1485, Transactions, ASCE 1922)
In accordance with CEM
P-1 (P-R) Cos
M-1 (P-R) Sin
P-R = 2500
D = 0.258
D-1 (P-R) Sin
D-2 (P-R) Sin
D-3 (P-R) Sin
D-4 (P-R) Sin
D-5 (P-R) Sin
D-6 (P-R) Sin
D-7 (P-R) Sin
D-8 (P-R) Sin
D-9 (P-R) Sin
D-10 (P-R) Sin
D-11 (P-R) Sin
D-12 (P-R) Sin
D



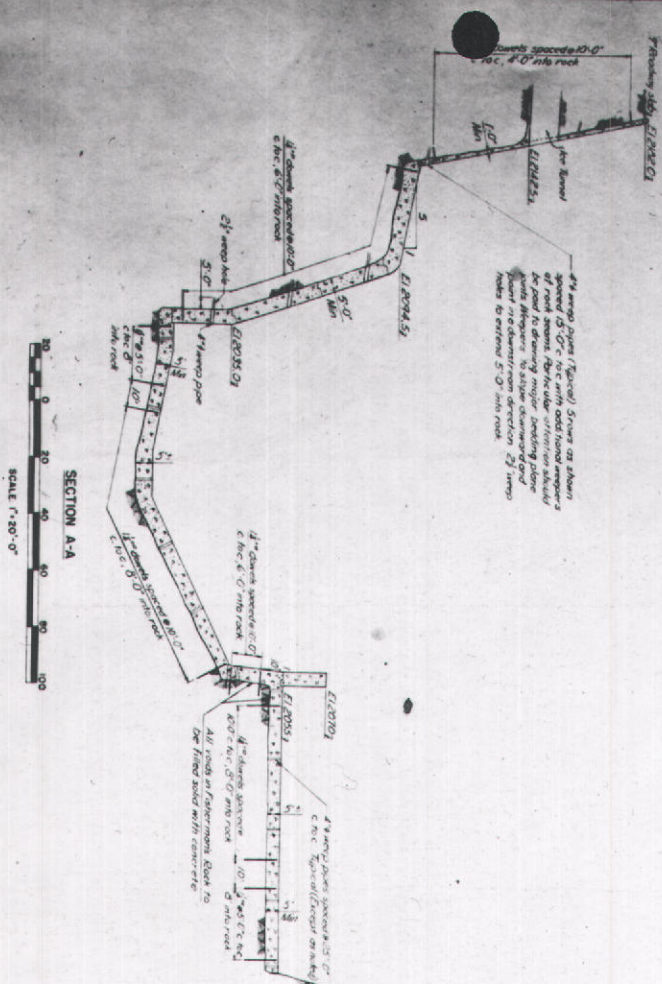
SECTION C-C
Scale 1"=40.0'



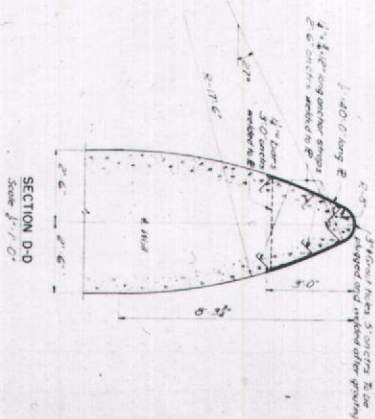
SECTION B-B
Scale 1"=20'-0"



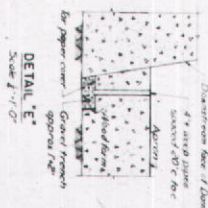
PLAN



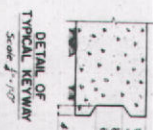
SECTION A-A



SECTION D-D
Scale 1"=1'-0"



Scale 1-100



Score 100/100

MAR 20 1952

Mark R. Kuehl
STATE RECLAMATION ENGINEER

THE WASHINGTON WATER POWER CO.

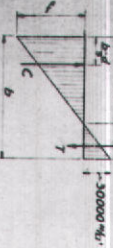
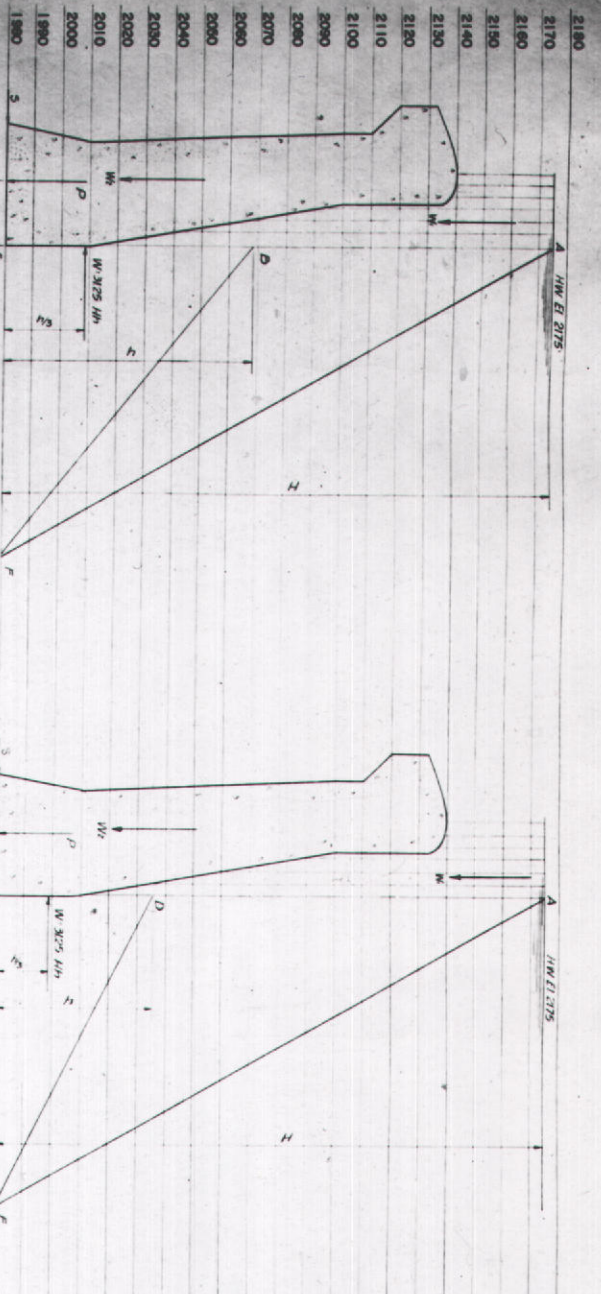
SCALE AS SHOWN

**APPLICATION FOR APPROVAL OF DAM
BAND STATE DEPARTMENT OF REGULATION
PERMIT NO. 21783 & 21828
CLARK FORK RIVER**

REPORT A OR B TO BUREAU

21828

F-105



CASE 1

For Maximum Tension of 30,000 ψ /in²

- 1. Total water depth
- 2. Distance from base to point of zero resultant
- 3. Total Length of Conifer arm
- 4. Total Weight of dam per line foot of section considered
- 5. Height of dam per line foot of section considered
- 6. Distance from upstream edge to resultant
- 7. Width of base
- 8. Distance from upstream edge to neutral axis
- 9. Total tension on base
- 10. Total compression on base
- 11. Total stress on base
- 12. Total stress on base
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- 99. Total stress on base
- 100. Total stress on base

CASE 2

For Zero Tension at Upstream Edge of Dam

- 1. Total water depth
- 2. Distance from base to point of zero resultant
- 3. Total Length of Conifer arm
- 4. Total Weight of dam per line foot of section considered
- 5. Height of dam per line foot of section considered
- 6. Distance from upstream edge to resultant
- 7. Width of base
- 8. Distance from upstream edge to neutral axis
- 9. Total tension on base
- 10. Total compression on base
- 11. Total stress on base
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- 99. Total stress on base
- 100. Total stress on base

NOTES - CASE 1 AND 2

A dam, arch in plan and of less than gravity section will carry a part of the water pressure as a vertical conifer before arch action takes place.

1. The method employed to obtain an equivalent triangle (FDE) of water pressure under full water load per linear ft of the deepest section that will develop the maximum stress in the concrete at the upstream edge of the dam to the water pressure represented by triangle FAD being carried by arch action. The triangle of water pressure (FDE) is considered to be the greatest load that can be resisted by the section as a conifer and is found in order to conveniently compute the maximum shear S and compression C.

2. The method employed to obtain an equivalent triangle (FDE) of water pressure under full water load per linear ft of the deepest section that will develop the maximum stress in the concrete at the upstream edge of the dam to the water pressure represented by triangle FAD being carried by arch action. The triangle of water pressure (FDE) is considered to be the greatest load that can be resisted by the section as a conifer and is found in order to conveniently compute the maximum shear S and compression C.

3. The method employed to obtain an equivalent triangle (FDE) of water pressure under full water load per linear ft of the deepest section that will develop the maximum stress in the concrete at the upstream edge of the dam to the water pressure represented by triangle FAD being carried by arch action. The triangle of water pressure (FDE) is considered to be the greatest load that can be resisted by the section as a conifer and is found in order to conveniently compute the maximum shear S and compression C.

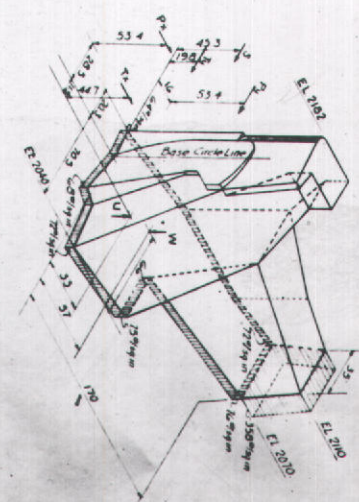
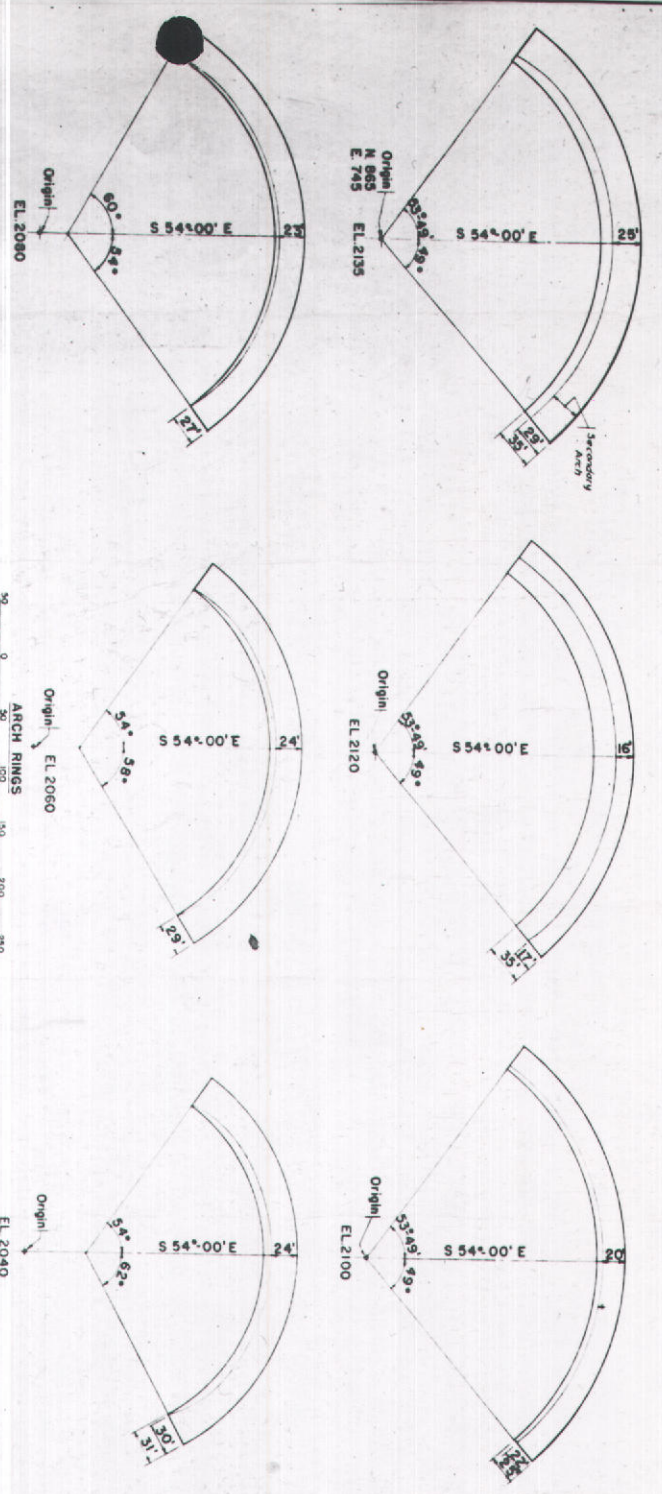
MAR 20 1952

North & South
STATE RECLAMATION ENGINEER

CASE 1
DAM-DETERMINATION OF EXTENT OF DAMAGED ACTION IN DAM
THE WASHINGTON WATER POWER CO
NO SCALE

APPLICATION FOR APPROVAL OF DAM
AND STATE DEPARTMENT OF RECLAMATION
PERMIT NO. 2178 & 2180
CLARK FORK RIVER
MAY 11 1954

21828



1x - Longitudinal component of arch thrust = 112,000,000*

1y - Transverse component of arch thrust = 102,000,000

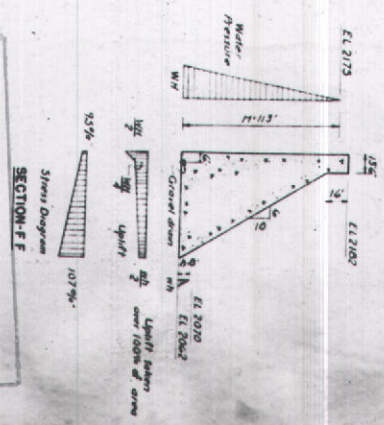
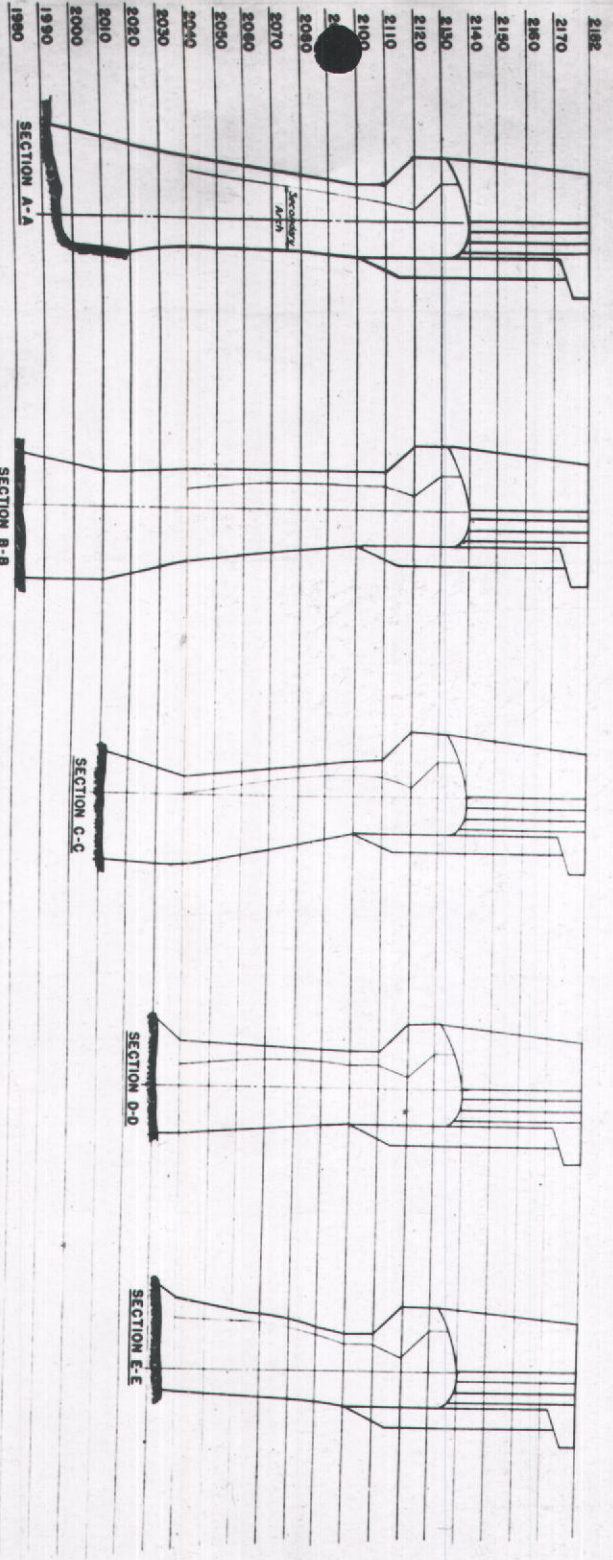
S - Arch thrust = 86,000,000

P₁ - Longitudinal water load = 16,500,000

P₂ - Transverse water load = 16,500,000

U - Uplift = 8,200,000

W - Wt. of block = 113,000,000

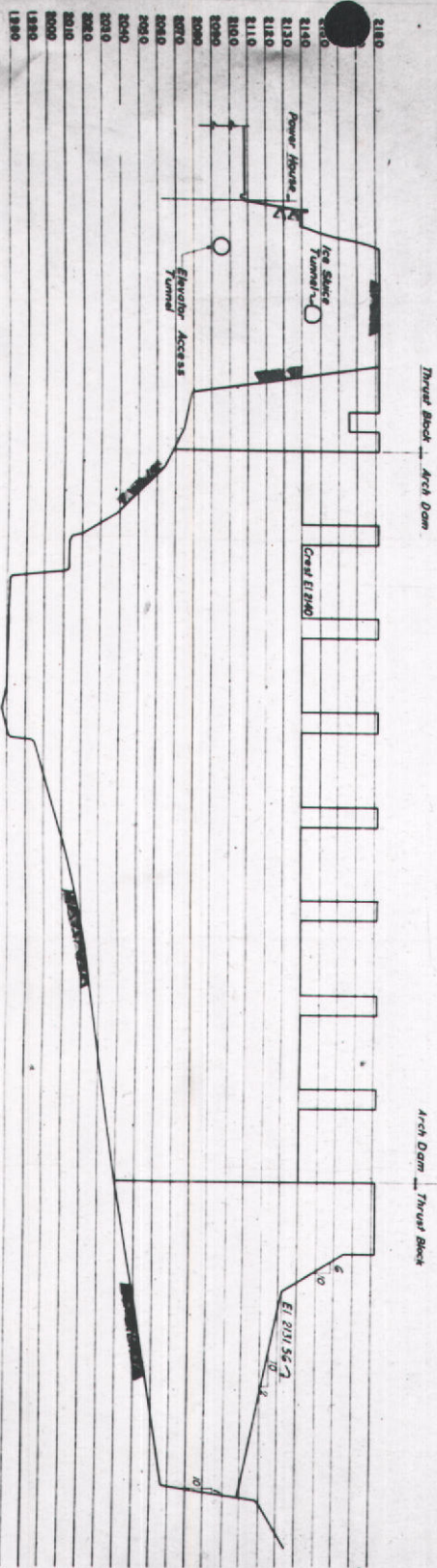
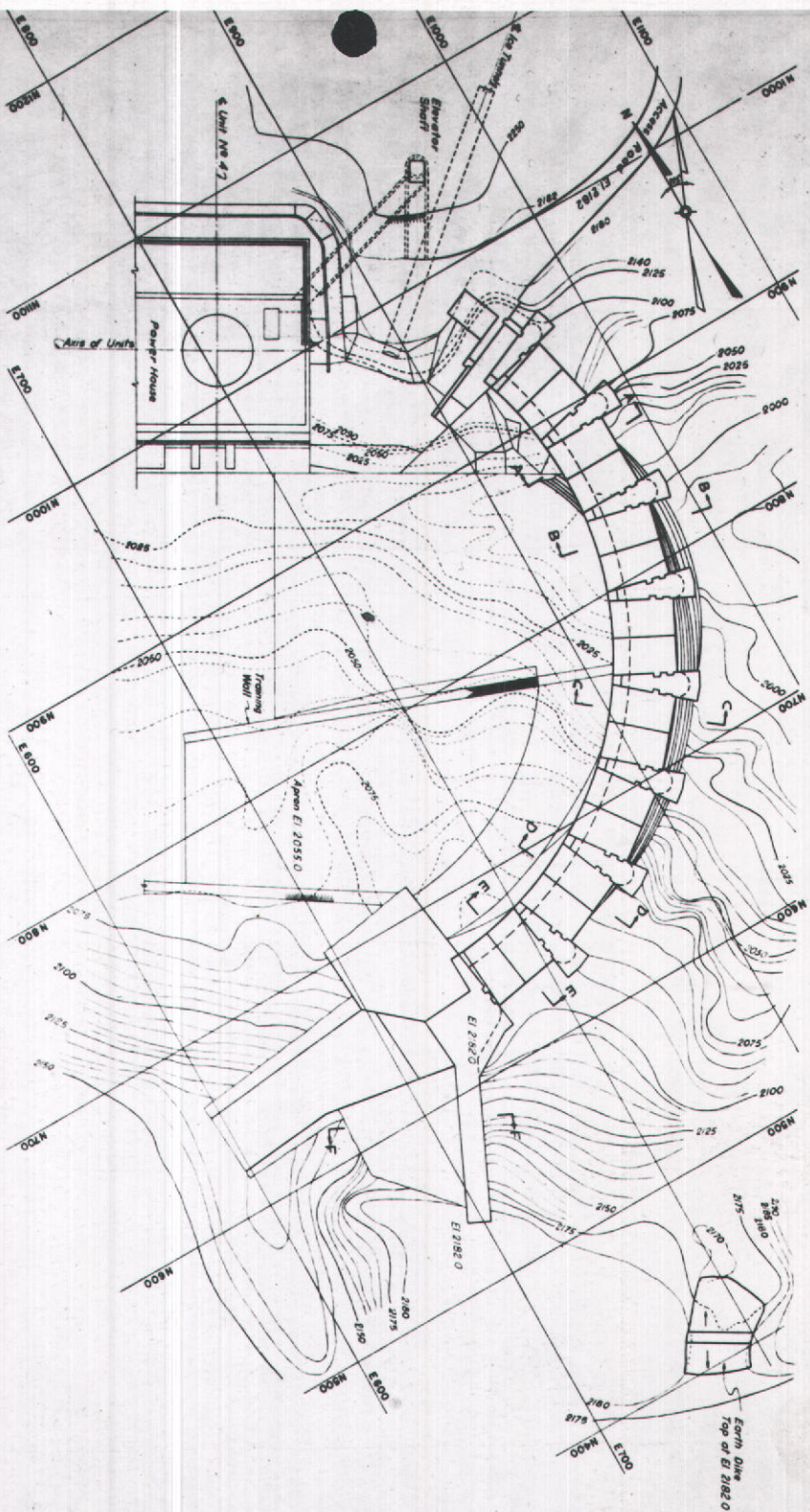


APPROVED
MAR 20 1952
Mark R. Cluck
SITE RECLAMATION ENGINEER

CANARY GONG RE DEVELOPMENT
DAM-ARCH RINGS AND SECTIONS
THE WASHINGTON WATER POWER CO.
SCALE AS SHOWN

APPLICATION FOR APPROVAL OF DAM
AND SITE RECLAMATION & REGULATION
PERMIT NO. 2173 & 2182
CLARK FORK RIVER

21828



NOTES
These structures have been designed for pond level of EI 2175.0
The analysis of this arch is based on method developed by W. Coim.

STATE RECLAMATION ENGINEER

MAR 20 1952

THE WASHINGTON WATER POWER CO.

**APPLICATION FOR APPROVAL OF DAM
DAM STATE DEPARTMENT OF REGULATION
PERMIT NO. 21723 & 21225
CLARK FORK RIVER**

Affidavit of Publication

STATE OF IDAHO, }
County of Bonner, } ss.

L. E. Pietsch being first duly sworn on
oath deposes and says that he is Publisher
of The Sandpoint News-Bulletin, a weekly
newspaper printed and published at Sandpoint,
Bonner County, Idaho; that the said Sandpoint
News-Bulletin has been continuously and unin-
terruptedly published in said Bonner County
during a period of 18 months or 78 weeks
prior to the first publication of the hereto
attached notice for publication in the case of
Notice of Application to Appropriate
the public waters of the State of Idaho
in accordance with the provisions of
section 42-203, Idaho Code; Washington
Water Power Co.

as it was published in the regular and entire issue
of the said paper for a period of Three
consecutive weeks, commencing on the
day of November, 1950, and end-
ing on the 30th day of November,
1950, and that said notice was published in said
newspaper, and not in supplemental form.

L. E. Pietsch

Subscribed and sworn to before me this
2nd day of December, 1950.

John La Moxamy
Notary Public for Idaho,
Residing at Sandpoint, Idaho.

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
NOTICE OF APPLICATION TO AP-
PROPRIATE THE PUBLIC WATERS
OF THE STATE OF IDAHO IN AC-
CORDANCE WITH THE PROVI-
SIONS OF SECTION 42-203, IDAHO
CODE.

NOTICE IS HEREBY GIVEN That
on the 7th day of November, 1950, The
Washington Water Power Company,
of Spokane, Washington, made appli-
cation to appropriate Ten Thousand
(10,000) cubic feet per second of the
waters of Clark Fork River, a tribu-
tary of Columbia River, for the de-
velopment of hydroelectric power and
energy.

That the point of diversion of said
waters is described as being approxi-
mately Twelve Hundred (1,200) feet
East of the center line of Section 27,
Township 55 North, Range 3 East, B.
M., and in Lots 2 and 7 of said Sec-
tion.

That the point of use of said water
is the same as the point of diversion.
That any protest against the ap-
proval of this application must be filed
in the Department of Reclamation, at
Boise, Idaho, within forty (40) days
from the date of this notice, and such
protest shall state the name and ad-
dress of the protestant, and shall
clearly set forth his objections to the
approval of said application.

Dated this 7th day of November,
1950.

MARK R. KULP,
State Reclamation Engineer.
SERVICE OF THE FOREGOING,
By copy, is hereby acknowledged this
9th day of November, 1950.

WASHINGTON WATER
POWER COMPANY,
By B. J. Lindsay
Its Secretary.

n16-23-30.

21828

21828

State of Idaho
License and Certificate of Water Right

Water License No. 21828 Amount 10,000 c.f.s.
Water District No. Priority Nov. 7, 1950

THIS IS TO CERTIFY that THE WASHINGTON WATER POWER COMPANY
of Spokane, Washington, made application for a permit to appropriate the
public waters of the State of Idaho, dated November 7, 1950; that Permit No. 21828
was issued under said application; that Certificate of Completion of works, with a carrying capacity of
10,000 second feet, was issued thereunder on July 13, 1956, showing that said works
were completed on the 25th day of November, 1955; and that on the 27th
day of November, 1961,

THE WASHINGTON WATER POWER COMPANY
of Spokane, State of Washington, made proof to the satisfaction of the
State Reclamation Engineer of Idaho, of the right to use the waters of Clark
Fork River, a tributary of Columbia River, for the purpose of hydroelectric power
& energy, under Use Permit No. 21828 of the Department of Reclamation
and that said right to the use of said waters has been perfected in accordance with the laws of Idaho,
and is hereby confirmed by the State Reclamation Engineer of Idaho and entered of record in Volume
12 of Licenses at page 7307, on the 27 day of June, 1962;

The right hereby confirmed dates from November 7, 1950;

The Point of Diversion is located Lots 2 and 7
in the -- 1/4 -- 1/4, Sec. 27, Tp. 55N, R. 3 E, B. M. Bonner County

That the amount of water to which such right is entitled and hereby confirmed, for the purposes
aforesaid, is limited to an amount actually needed and beneficially used for said purposes, and shall
not exceed 10,000 cubic feet per second.

Description and location of use:

Twp.	Range	Sec.	Forty-acre Tract	No. Acres Described in Permit	No. Acres Actually Irrigated
55 N	3 E.	27	Lots 2 and 7 - point of use - Hydroelectric power and energy		

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place
of use herein described, as provided by the laws of Idaho.

WITNESS the seal and signature of the State Reclamation Engineer, affixed at Boise, Idaho, this
27th day of June, 1962.

s/ RALPH W. THOMAS
Deputy State Reclamation Engineer.

(SEAL)

APPLICATION FOR PERMIT

96-2180

To Appropriate the Public Waters of the State of Idaho

B. J. Lindsay, Secretary
The Washington Water Power Co.
Box 1445, Spokane, Washington

APPLICATION No. 29491
PERMIT No. 21828
DISTRICT No.

1. Name of Applicant: THE WASHINGTON WATER POWER COMPANY

Postoffice address: Box 1445, Spokane

County: Spokane

State: Washington

I. If applicant is a corporation, give:

(a) Date and place of incorporation:

(b) Amount of capital stock: See balance sheet attached

(c) Amount paid in:

(d) Names and addresses of directors: H.L.Aller, 2 Rector St., New York, N.Y.; L.C.Haines, 120 Broadway, New York, N.Y.; D.W.Jack, 2 Rector St., New York, N.Y.; K.M.Robinson, 825 Trent, Spokane, Wash.; J.E.E.Royer, 825 Trent Ave., Spokane, Wash.; W.D.Thornton, 25 Broadway, New York, N.Y.; W.N.Westerlund, 11 Broadway, New York, N.Y.

II. The financial resources of the applicant are: See balance

(a) Cash on hand:

(b) Treasury stock:

sheet attached.

(c) Bonds to be issued:

(d) Other resources:

2. Quantity of water claimed: 10,000

cubic feet per second.

3. Source of water supply: Clark Fork River

which is a tributary of Columbia River

4. Location of point of diversion: Approximately 1200

feet ~~distance from the~~ East of the center~~corner~~ of Section 27, T. 55 N., R. 3 E., B.M., and is in the Lots 2 and 7

of Section 27, T. 55 N., R. 3 E., B.M., County of Bonner

5. Water is to be used for Development of hydroelectric power and energy

6. If for mining, milling, power or manufacturing purposes, give:

(a) Point of use of water: Approx. 1200 feet ~~distance from~~ East of the center ~~corner~~ of Section 27

T. 55 N., R. 3 E., B.M., in the Lots 2 & 7 of Section 27, T. 55 N., R. 3 E., B.M.

(b) Amount of power generated: 281,000 H.P., under 100 feet head.

(c) Water is to be returned to Clark Fork River at a point 1200 feet downstream of diversion, approximately at the center ~~distance from the point / corner~~ of Section 27, T. 55 N., R. 3 E., B.M., in the

and in Lots 2 and 7 of Section 27, T. 55 N., R. 3 E., B.M.

7. Estimated cost of works: \$ 40,000,000

8. Kind of works: Reinforced concrete arch dam, spillway and power house

9. Height of dam Ap. 100 feet; length of dam at top Ap. 500 feet; length of dam at bottom Ap. 200

feet; material used in dam: Concrete

10. Size of headgate: Width Design not completed feet; height feet.

11. Ditch: Width at bottom feet; width at water line feet; depth of water feet;
dimensions of flume: No ditch

Diameter of pipe inches; length of conduit miles.

Average grade per mile feet.

12. The time required for the completion of such work is Initial 200,000 H.P.s. 3

13. The time required for the complete application of the water to the proposed use is Dependent upon develop/ment of upstream storage additional years.

No irrigation

14. The land to be irrigated is described in the following tabulation: See remarks.

15. Existing water rights and/or valid permits appurtenant to the lands to be irrigated are:

16. (a) Is reservoir to be used? See remarks below If so, fill in (b) and (c) below:
 (b) Name of Reservoir and number of Storage Permit:
 (c) Date of filing of Application for Storage Permit and Name of Applicant:

BE IT KNOWN THAT The undersigned hereby makes application for permit to appropriate the public water of the State of Idaho as herein set forth.

THE WASHINGTON WATER POWER COMPANY *Applicant.*

By K. M. Robinson Agent.
President.

Date of first receipt at Department of Reclamation: 9:00 A. M. November 7, 1950

Returned to applicant for correction:

Corrected application received:

Approval of State Reclamation Engineer

The number of this permit is 21828

Recorded in Book 78 Page 21828 Approved December 26, 1950

This is to certify that I have examined the within application for a permit to appropriate the public waters of the State of Idaho, and hereby approve the same, subject to the following limitations and conditions:

Bond in the sum of \$ 1,000 to be filed on or before February 26, 1951

Work to begin on or before _____ and to continue diligently and uninterruptedly to completion,

unless temporarily interrupted by circumstances over which permit holder has no control.

One-fifth of the work above specified to be completed on or before June 26, 1953

The whole of said work to be completed on or before December 26, 1955

Beneficial use of water appropriated in accordance herewith, to be made on or before December 26, 1961

WITNESS My hand this 26th day of December, 1950

MARK R. KULP
State Reclamation Engineer.

IN TESTIMONY WHEREOF, WE, C. A. ROBINS, Governor of the State of Idaho,
and J. D. "CY" PRICE, Secretary of State of the State of Idaho, have caused this instrument to

be executed in the name of the State of Idaho, and caused the Great Seal of the State of Idaho to be hereunto affixed, this 26th.....

day of December, 19 50

STATE OF IDAHO

Countersigned:

(SEAL)

By J. D. "CY" PRICE

By C. A. ROBINS

Governor.

Secretary of State.

REMARKS: Pondage formed by dam will be used only for daily and weekly fluctuations of load. Top area of pond will be approximately 1200 acres. Dam will elevate river level at the dam site approximately 100 feet and will affect the river upstream for a distance of approximately 20 miles. Attached hereto is affidavit of W. F. McNaughton, Statutory Agent of the Company at Coeur d'Alene, Idaho, relative to the Company's organization and right to do business in Idaho, and reference is made to copy of certificate from the Secretary of State of the State of Idaho showing authorization of the Company to do business (Continued below)

Twp.	Range	Sec.	NE ¹ / ₄	NW ¹ / ₄	SW ¹ / ₄	SE ¹ / ₄	Totals
			NE ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄	NE ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄	NE ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄	NE ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄	
REMARKS (Continued) in Idaho, attached to application for Permit No. 29403. (217583) The amount of power to be generated, namely 281,000 H.P., referred to in Item 6, is the total amount of power that will be generated from the water applied for under this permit and the 25,000 cubic second feet applied for under Permit No. 29403 by the Washington Water Power Company. The structures and development referred to in this permit will be the same as the structures and development in Application for Permit No. 29403. AFFIDAVIT TO ESTABLISH QUALIFICATIONS TO DO BUSINESS UNDER THE LAWS OF IDAHO STATE OF WASHINGTON) County of Spokane) ss. I, W. F. McNaughton, of Coeur d'Alene, County of Kootenai, State of Idaho, being first duly sworn, deposes and says: That I am the Statutory Agent of the Washington Water Power Company, a Washington Corporation; that as such, I am in charge of the registered office of the said corporation, as provided by Section 30-143 Idaho Code, located at Coeur d'Alene, Idaho; the company is a legal corporation qualified to do business in the State of Idaho under the laws of the State of Idaho. W. F. McNAUGHTON Subscribed and sworn to before me this 1 day of September, 1950. (SEAL) Alan G. Paine Notary Public Residence: Spokane, Washington. My commission expires January 10, 1953 NOTE: This permit is issued subject to the provisions of Chapter 142 of the 1937 Session Laws, as amended by Chapter 66 of the Session Laws of 1947. In the event of its sale, transfer, assignment, or of its being mortgaged, without a compliance with the provisions of this Act, it shall be cancelled and revoked by the State Reclamation Engineer. See I.C. 42-205							

Permit No. 21828
CERTIFICATE OF COMPLETION OF WORKS

TO ALL WHOM IT MAY CONCERN:

This is to certify that THE WASHINGTON WATER POWER COMPANY of Spokane, County of Spokane, and State of Washington, the holder of Permit No. 21828, issued upon Application No. 29491 bearing date of priority of November 7, 1950, authorizing the diversion of 10,000 second feet of the waters of Clark Fork River a tributary of the Columbia River, County of Bonner, State of Idaho, for hydroelectric power and energy purposes, has fully complied with the provisions of the laws of the State of Idaho relating to the proof of completion of the works of diversion set out and described in said Permit; that said works are adequate for diverting and conveying to the place of intended use 10,000 second feet of the waters of Clark Fork River; that the point of diversion of said waters is in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 27, Township 55 North, Range 3 East, B. M., and the water is to be used for hydroelectric power and energy.

Witness my hand this 13th day of July, A. D. 1956.

MARK R. KULP
State Reclamation Engineer

Proof of Completion of Works made November 25, 1955.
Certificate of Completion of Works issued July 13, 1956.

LICENSE ISSUED FOR 10,000 SEC. FT.
page 7307



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

February 19, 1999

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

Deb Mortlock
Washington Water Power Company
P.O. Box 3727
Spokane, Washington 99220-3727

Dear Ms. Mortlock:

RE: Draft Application for License, Cabinet Gorge Hydroelectric Project, FERC 2058

The letter of October 15, 1998, from Larry La Bolle on the above project requested comments to you by January 15, 1999. Our letter is recognized to be late; however, comments felt to be appropriate are quite minor in relation to FERC's responsibility but generally relate to state of Idaho water rights for the project. This letter results from my discussion with Larry La Bolle on February 17.

In regard to the Draft Application for License, on page 3-14 of the Draft Collaboratively Prepared Environmental Assessment under Idaho Water Rights, we would have preferred a listing of the License and Certificate of Water Right document numbers. These documents are as follows:

96-02179 with priority date of September 7, 1950 for 25,000 cfs
96-02180 with priority date of November 7, 1950 for 10,000 cfs (not September 7, 1950)
96-02269 with priority date of November 3, 1961 for 700 cfs

It should be noted there is no storage license of record for the Cabinet Gorge Reservoir. Therefore a Claim to a Water Right under Idaho Code 42-243 should be filed in the near future on a Idaho Department of Water Resources form no. 243, Claim to a Water Right (Statutory Claim). According to page A-4 of the draft license application, the claim would be for 105,000 acre-feet for storage and 42,780 acre-feet for use from storage for hydroelectric use.

On page 4-45, the reference to the Idaho Water Resource Board's State Water Plan should reference the January 1997 edition not a December 1986 edition.

For the Draft License Application in the Initial Statement under item 6, compliance with each of the laws cited, it would have been beneficial to repeat the above license information with a summary of the claim information. This compliance section, as you know, was not provided in the draft application for license.

In regard to the name change to Avista Corporation, good business practice suggests a name/address change filing either by letter or on form no. 42-248/42-1409(6), Notice of Change of Water Right Ownership, would be made for Idaho water rights [Cabinet Gorge, Post Falls, and any others (?)].

This letter or form should include a listing of the water rights and a copy of the document(s) that makes the legal name change. A partial review of our data base lists the following additional Idaho water filings:

<u>Filing No.</u>	<u>Priority Date</u>	<u>Source</u>	<u>Quantity</u>
95-04518	01/01/1907	Spokane River	4,250 cfs (for Post Falls) (a claim)
95-08003	03/17/1980	Spokane River	1,150 cfs (for Post Falls)
82-02070	03/11/1926	Moore's Lake	715 ac-ft (power) in 71 acre lake
Water transferred to Moore's Lake Creek to Johns Creek to S.F. Clearwater R. (Storage in T. 26 N., R. 05 S., Sec. 6, NENE., B.M. Transferred from Inland Power & Light Co. A court likely would rule this licensed right forfeited because of non-use.)			
95-02205	02/21/1967	Groundwater	0.29 cfs (domestic)
95-04027	09/01/1963	Groundwater	1.20 cfs (domestic)
95-07185	04/03/1972	Groundwater	1.39 cfs (domestic)
95-07271	04/03/1973	Groundwater	0.83 cfs (municipal)
95-08432	01/30/1984	Groundwater	0.08 cfs (domestic)
95-02172	Lapsed		

Both the claim and name change filings may be made through our regional office located in Coeur d'Alene, Idaho, telephone number (208) 769-1450. Forms are enclosed with a copy of this letter to Larry La Bolle and also can be duplicated from internet at www.idwr.state.us.id/idwr/idwrhome.htm.

We have deferred a concern about erosion below Cabinet Gorge Dam to the oversight review and recommendations of the Idaho Division of Environment and the Idaho Department of Fish and Game.

Sincerely,



Ralph Mellin
Special Projects Coordinator

c: Larry La Bolle, Avista Relicensing Project Manager, w/enclosures
Bob Haynes, IDWR Northern Regional Office

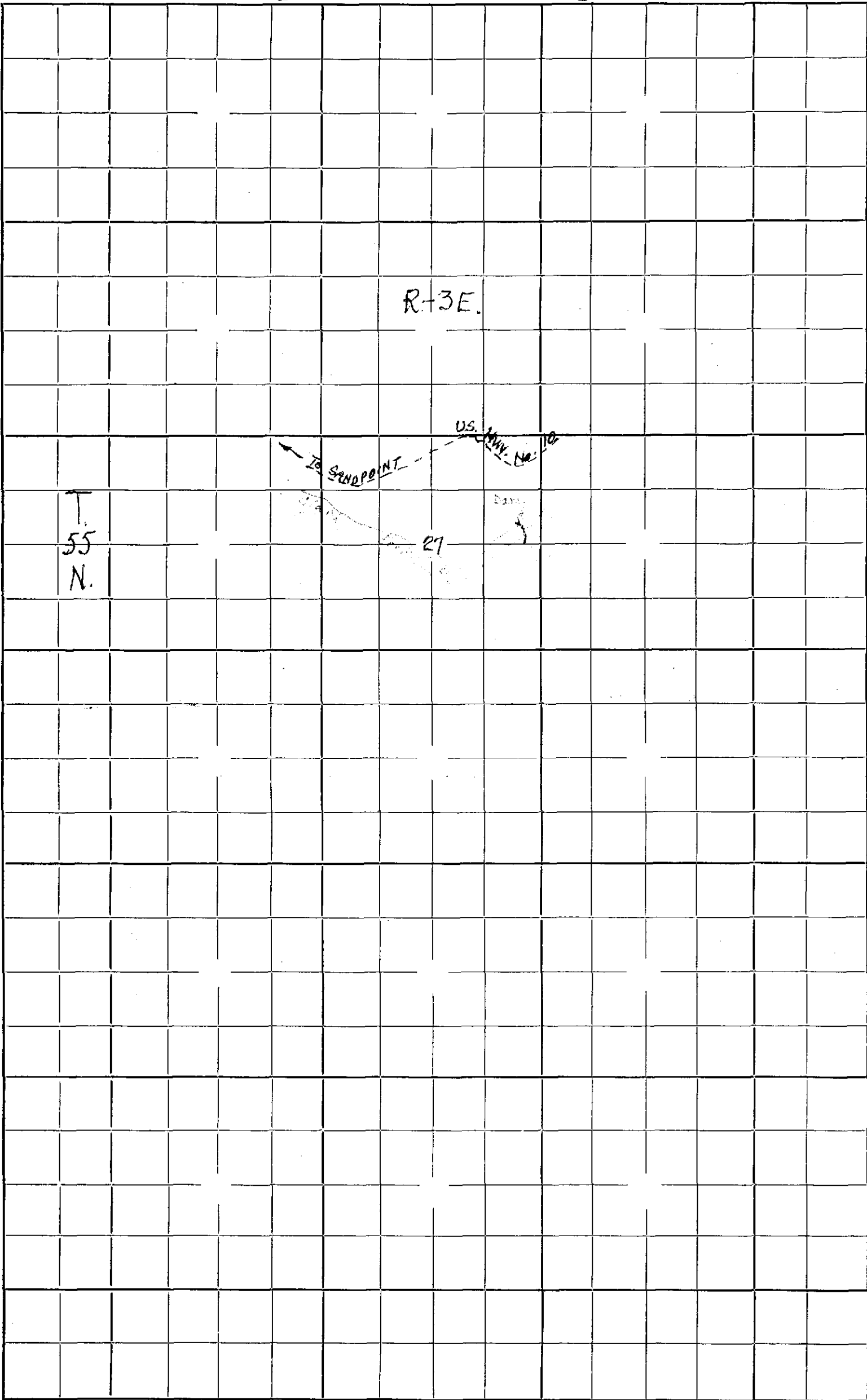
STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE

REPORT OF ENGINEER

PERMIT NO. 21828

REPORT ON PROOF OF Beneficial Use

G. M. Brunzell, President
Washington Water Power Company
P. O. Drawer 1445, Spokane 10, Washington



R-3E.

US. NAVY No. 10

TO SHIPPOINT

55
N.

27



**FIREMAN'S FUND
INSURANCE COMPANIES**

**NOTICE OF CANCELLATION
OR TERMINATION**

State of Idaho
Department of Water Resources
Boise, Idaho

DATE: March 13, 1980

National Surety Corporation, Surety upon a certain Application for License, Permit
or Miscellaneous Indemnity Bond
Bond No. 1294333, dated on or about November 7, 19 50
in your favor, in the amount of One Thousand and No/100----- Dollars (\$ 1,000.00),
covering The Washington Water Power Company of Spokane, Washington
hereby notifies you that it has elected to cancel/terminate said bond in its entirety

cancellation/termination to become effective 30 days after the receipt of this notice

This notice is given to you in accordance with the cancellation/termination provision in said bond contained.

National Surety Corporation

SURETY

BY Susan Lasher
Susen Lasher ATTORNEY IN FACT

REPLY TO: FIREMAN'S FUND INSURANCE COMPANIES

Please Acknowledge

ADDRESS

Return Envelope Enclosed.

CITY

STATE

ZIP

*Bond no longer necessary,
Thank you*

NATIONAL SURETY CORPORATION

NEW YORK

VINCENT CULLEN
PRESIDENT

KNOW ALL MEN BY THESE PRESENTS, That we, The Washington Water Power Company of Spokane, Washington, as principal, and National Surety Corporation, a corporation organized and existing under the laws of the State of New York, and authorized to do business in the State of Idaho, as surety, are held and firmly bound unto the State of Idaho, in the full and just sum of One Thousand & no/100 (\$1000.00) Dollars, lawful money of the United States, to the payment of which sum, well and truly to be made, said principal and surety bind themselves, their heirs, administrators, executors and assigns, jointly and severally, under the terms and conditions hereinafter set forth.

The terms of this obligation are such that, whereas the above named principal on the 7 day of Nov 1950 filed in the office of the Commissioner of Reclamation in Boise, Idaho, a certain application for permit to appropriate the public waters of the State of Idaho, the said application being thereupon numbered No. ²⁹⁴⁹¹~~21828~~, in accordance with which said application the Commissioner of Reclamation granted and issued to the said principal herein a certain permit Numbered No. 21828, a full, true and complete copy of which application No. 29491 and Permit No. 21828, is of record in the office of the Commissioner of Reclamation in Book _____ of Permits at Page 78.

Now, if the above bounden principal shall faithfully carry to completion the said works of diversion as specified in said application No. _____ and permit No. 21828, in the manner and form prescribed therein and within the time therein allowed, then the above obligation to be void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF the said Principal and surety have hereunto set their hands and seals, this 15th day of January, 1951.

WATER RIGHT NUMBER 96-2180

WATER RIGHTS EDIT REPORT

07/18/79 PAGE 101

ACT
ION

N OWNER LAST NAME - WASHINGTON WATER POWER CO.

N SOURCE - CLARK FORK RIVER

N STAGE - LICENSE

N DIVERSION POINT - 27 55N 03E LOT 02

N USE - POWER

N PLACE OF USE - TWN 55N RNG 03E SEC 27

N

CITY - SPOKANE

TRIBUTARY OF - COLUMBIA RIVER

PRIORITY - 11-07-1950

COUNTY - BONNER

27 55N 03E LOT 07

USE DIV. RATE - 10000.0000CFS

LOT 02

STATE - WA

TOTAL DIV. RATE - 10000.0000CFS

LOT 07

OLD NO. - 21828

WATER RIGHT ANALYSIS FORM

- DATA ENTRY -

Identification No. 21828 196-2180
 Old No. New No.

Record

1. Original Owner: Zelensky Water Power Co.

Present Owner: _____

2. Address:

3. City: Spokane State: WA Zip: _____

4. A. Source of Water: Clark Fork River

B. Tributary of: Columbia River

5. A. Stage (A,P,L,D,S,J): L

B. Status (D,L,R,C,A,I,F - leave blank if valid):

C. Priority Date: 11-7-1950

D. County: 17

E. Total Diversion Rate: 10000

F. Total Diversion Volume:

G. Transfer/Amendment (P,T of A or blank):

H. Water District:

I. DLE/Carey Act (D,C or blank):

J. Right Basis (for adjudication claims A,B,C only):

	Tract	Sec.	Twp.	Rge.	Gov't Lot	Rediv.
6. A. Point of Diversion		<u>27</u>	<u>55N</u>	<u>3E</u>	<u>2</u>	
		<u>27</u>	<u>55N</u>	<u>3E</u>	<u>7</u>	

7. Period of Use, Use, Diversion Rate/Volume:

from _____ to _____ for P purposes. Amount 10000
 (cfs or AG-FT/yr)

from _____ to _____ for _____ purposes. Amount _____

from _____ to _____ for _____ purposes. Amount _____

from _____ to _____ for _____ purposes. Amount _____

from _____ to _____ for _____ purposes. Amount _____

from _____ to _____ for _____ purposes. Amount _____

from _____ to _____ for _____ purposes. Amount _____

14. Diversion Means (brief narrative):

H. Conditions of Approval:

G. Field Exam Made (P, R, F or blank):

F. Proof Made (P or blank);

E. Old Number: 87818

D. Hearing Date:

C. Protested Date:

B. Date Permit Approved or Denied:

13. A. Proof Due Date:

12. Other Rights for Same Use:

11. Other Uses (Non-irrigation explanatory information):

10. Remarks: A.
B.
C.
D.
E.

B. Decree Date:

9. A. Decree Name:

TWP.	RANGE	SEC.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				TOTALS
55N	3E	29	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
4 rods & 1/2																			

8. Use Code: 1

6/9-96 PZH

June 27, 1962

Re: Permits No. 21783; 21828; 30318

Mr. G. H. Brunzell, President
Washington Water Power Company
P. O. Drawer 1145
Spokane 10, Washington

Dear Mr. Brunzell:

We enclose Licenses and Certificates of Water and Completion of works as follows:

Permit No. 21783 - License and Certificate of Water Right for 25,000 c.f.s., together with departmental receipt No. 31108, in the amount of \$5.00, for fees

Permit No. 21828 - License and Certificate of Water Right for 10,000 c.f.s., together with departmental receipt No. 31107, in the amount of \$5.00, for fees.

Permit No. 30318 - Certificate of Completion of works and License and Certificate of Water Right for 700 c.f.s., together with departmental receipt No. 31106, in the amount of \$217.00 for fees.

Very truly yours,

D. H. CARTER
State Reclamation Engineer

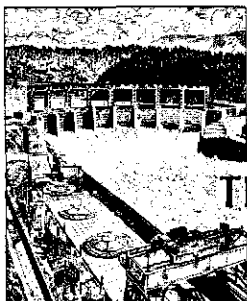
By:

(Mrs.) Edna P. Hale
Chief Clerk

DFR:ew

Enc. 3 licenses
 1 certificate
 3 receipts

21828



THE WASHINGTON WATER POWER COMPANY

POST OFFICE DRAWER 1445 SPOKANE 10, WASHINGTON

June 21, 1962

RECEIVED
JUN 25 1962

Department of Reclamation

Mr. George N. Carter
State Reclamation Engineer
State of Idaho
Department of Reclamation
107 State House
Boise, Idaho

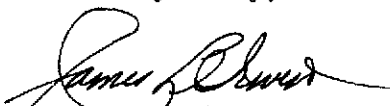
Re: Permit ²¹⁸²⁸21738

Attention: Mrs. Edna P. Rule

Dear Mr. Carter:

In accordance with your letter of June 14, 1962, addressed to Mr. G. M. Brunzell, President of our Company, we herewith enclose our Company's check no. 11700-2 in the amount of \$5.00 to cover statutory fees covering License and Certificate of Water Right in connection with the above captioned permit.

Yours very truly,


James L. Irwin
Operating Property Agent

JLI:jj

Enc.

21828

June 14, 1962

RE: Permit No. 21828

G. M. Brunell, President
Washington Water Power Company
P. O. Drawer 1145
Spokane 10, Washington

Dear Mr. Brunell:

Our engineer's report on his inspection of the application of water to beneficial use under the terms of Permit No. 21828 shows the dam and power plant are capable of conveying 10,000 c.f.s. of water for development of hydroelectric power and energy.

Upon receipt of the statutory fee of \$5.00 we will issue the License and Certificate of Water Right, confirming the right with priority of November 7, 1950 to the use of 10,000 second feet of water with the points of diversion and place of use in Lots 2 and 7, Sec. 27, T. 55 N., R. 3 E., B.N.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer
By

(Mrs.) Edna P. Rule
Chief Clerk

ElR:mr

21828

78
 Permit 21873
 21828
 30318

CABIN GORGE POWER PLANT - MAXIMUM FLOW TEST
 JUNE 8, 1962

This test was conducted at the request and in the presence of C. E. Tappan, Assistant Reclamation Engineer for the State of Idaho, to demonstrate proof of beneficial use water as required by law in connection with the Company's Cabinet Gorge water filing.

Test results were as follows:

11:21 A.M. - All four units at full gate opening

Time	11:42 AM	1:47 PM
Forebay elevation	2177.00	2174.70
Tailrace elevation	2075.28	2074.86
Gross effective head	102.52	92.04

Plant output at above heads as determined by timing the integrating watt-hour meters of each unit for 10 revolutions of disk as computed by formula

$$KW = \frac{3600 \times \text{rev.} \times K_h}{\text{sec.} \times 1000}$$

$$K_h = \text{meter constant} = 43,200$$

11:45 AM			1:54 PM		
Unit	Sec./10 rev.	KW	Unit	Sec./10 rev.	KW
1	27.4	56722	1	27.4	56722
2	27.3	56967	2	27.0	57600
3	27.3	56967	3	27.2	57140
4	27.2	57140	4	27.0	57600
		<u>227796</u>			<u>229062</u>

Plant output from station log at 11:44 AM 230000 KWH
 1:46 PM 231000 KWH

USGS gage Clarice Fork at White Horse Rapids

11:21 AM 2075.28 Disc. 38300 c.f.s.
 to reduce tail race discharge less 600 c.f.s.
 net flow through plant 37700 c.f.s.

1:42 PM 2074.86 Disc. 36300 c.f.s.
 to reduce tail race discharge less 600 c.f.s.
 net flow through plant 35700 c.f.s.

Observers:

For WWC - L. A. Eisele
 R. Peterson

For State of Idaho - Carl E. Tappan

21828

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO

REPORT OF ENGINEER

Permit No. 21828

This proof is for Beneficial Use In Water District No. _____

1. Name of applicant Washington Water Power Company
2. Source of water supply: Clark Fork River
3. Location of point of diversion: Is in the Lots 2 and 7 of Section 27
T. 55 N R. 3 E.B.M. County of Bonner
4. Describe works as they exist, giving dimensions and capacities of same: Diversion works consist of a concrete arch-type dam across Clark Fork River at Cabinet Gorge. It is 140 high above bed of river and approximately 430 feet long. Spillway in 8 sections 40 feet wide and 35 feet high. For 27 ft diameter penstocks through tunnels to turbines direct connected to outdoor type vertical generators. There are 3 fixed blade turbines and 1 Kaplan runner. Each turbine 70500 H. P. & designed for 90 foot head. Generators are 55555 K V A.
5. Water is used for: development of hydroelectric power and energy
6. State whether or not water has been turned into works of diversion: Yes
7. List legal subdivisions of lands to be irrigated. If proof is for beneficial use, give exact number of acres under cultivation in each forty-acre tract. (Describe manner and place of use if other than irrigation):

POINT OF USE: Lots 2 and 7 Sec. 27., Twp. 55 N., Rge. 3 E.B.M.

(Submit map on attached plat, showing location and details of above description.)

8. What large stream would the water here appropriated finally reach? _____

Remarks: This is a well designed, well constructed hydro electric power plant, and is carefully operated.

This examination was made on the 8 day of June, 1962

(Signed)

Carl P. Pappan

Examiner.

21828

G. M. Russell, President
Washington Water Power Company
P. O. Drawer 1445, Spokane 10, Washington
Permit No. 21828

Examination for Beneficial Use

County Bonner

Sec. 27 T. 55 N. R. 1 E. S. 1 M.

Quantity: 10,000 c.f.s.

Sources: Clark Fork River

P.D.: Lots 287, Sec. 27, T. 55 N. - R. 3 E. S. 1 M.

Use: Hydro-electric power

Filed: Nov. 7, 1950

Due: Dec. 26, 1961

Extension: —

Completion of Works: 7-13-56

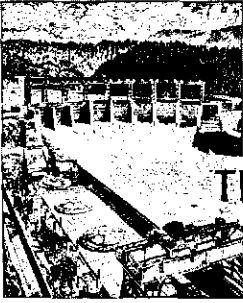
Other Rights: P. 21783

INSTRUCTIONS TO EXAMINERS

1. Always carefully note the location of the point of diversion and accurately plat same.
2. When proof is for beneficial use, carefully check up the number of acres actually irrigated in each forty and accurately plat same.
3. Make a map showing the correct location of streams and ditches, and the irrigated lands, and any adjacent permanent landmarks, such as towns, lakes, large streams and public roads.
4. If any unusual conditions are discovered, make plain statement of them under remarks.
5. Always see the holder, if possible, and go over the whole ground with him and make your report only upon actual existing facts and conditions.
6. Give general characteristics of soils, topography, and crops raised.

RECEIVED
JUN 13 1962

Department of Reclamation



ROBERT D. YEOMANS, SECRETARY

THE WASHINGTON WATER POWER COMPANY

POST OFFICE DRAWER 1445 SPOKANE 10, WASHINGTON

March 15, 1962

MAR 16 1962

Department of Reclamation

Mr. Carl E. Tappan,
Asst. State Reclamation Engineer,
State of Idaho,
Department of Reclamation,
Boise, Idaho.

Permits No. 21783 & No. 21828

Dear Mr. Tappan:

This is in reply to your letter dated March 7, 1962 addressed to Mr. G.M. Brunzell, President, The Washington Water Power Company.

We call your attention to our letter dated November 29, 1961 addressed to Mr. George N. Carter, State Reclamation Engineer by Mr. R.D. Yeomans, Secretary, The Washington Water Power Company. Said letter is the letter of transmittal with which all documents required for "Proof of Application of Water to Beneficial Use" were sent to your Department.

The inspection of the Cabinet Gorge plant in connection with the proof of application to beneficial use was made by two independent engineers on November 8, 1961 and the affidavit was signed on November 27, 1961.

We trust that this provides a complete answer to your letter dated March 7, 1962.

Very truly yours,

R. D. Yeomans
Secretary

KOS:lo

cc - G M Brunzell
J L Irwin
George N Carter

21828

March 7, 1962

RE: Permits No. 21783
21828

G. M. Brunzell, President
Washington Water Power Company
P. O. Drawer 1145
Spokane 10, Washington

Dear Mr. Brunzell:

We are informed that the Washington Water Power Company is in the process of making proof of completion of works and proof of beneficial use on Permits 21783 and 21828.

It is our thought that if it is planned to operate your plants at capacity for such proof we may as well be on hand to witness this run and thereby avoid another test at a later date.

We will be glad to receive your advice in this matter.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer
By

C. E. Tappen
Assistant State Reclamation Engineer

CET:mr

21828

December 1, 1961

Re: Permit No. ~~S.~~ 21783 and 21828

G. M. Brunzell, President
Washington Water Power Company
P. O. Box 1145
Spokane 10, Washington

Dear Mr. Brunzell:

We acknowledge receipt of the depositions of holder and two witnesses, also affidavit of publication in the Sandpoint News-Bulletin, all submitted in proof of ~~completion of works and~~ beneficial use on Permit No. ~~S.~~ 21783 and 21828.

Before final action is taken in the matter, the law requires that a field examination be made by an engineer from this department.

We cannot tell just when this examination will be made, but our field engineer will try and contact you at the time he makes the examination so that arrangements may be made to show him over the grounds.

Very truly yours,

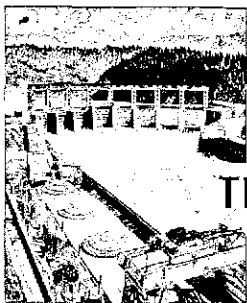
GEO. N. CARTER
State Reclamation Engineer

By:

(Mrs.) Edna P. Rule
Chief Clerk

EPR:

21828



ROBERT D. YEOMANS, SECRETARY

THE WASHINGTON WATER POWER COMPANY

POST OFFICE DRAWER 1445 SPOKANE 10, WASHINGTON

November 29, 1961

Mr. George N. Carter
State Reclamation Engineer
State of Idaho
Department of Reclamation
Boise, Idaho

CERTIFIED MAIL

Dear Mr. Carter:

We are transmitting herewith two (2) copies each of (a) the executed deposition of the holder, (b) the executed depositions of two (2) disinterested witnesses and (c) the affidavit of publication of required notice all in support of our "Proof of Application of Water to Beneficial Use" in connection with permit Nos. 21783 and 21828.

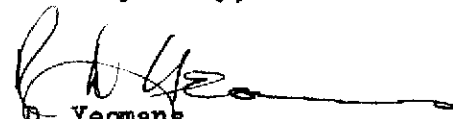
These depositions were executed at the time, on the date set, and at the place mentioned, before the Notary Public, as advertised in the publication notice.

With respect to the letter dated November 6, 1961 signed by Mr. Ralph E. Thomas, we wish to call your attention to the fact that, despite the statement in the Proof of Completion of Works that each of the four turbines uses up to 8750 cfs, or a total of 35,000 cfs, the actual maximum water capability of these facilities is 35,700 cfs. This increase of 700 cfs, which amounts to 2% of the original quantity, was determined only by careful multiple tests made over several years. This fact was pointed out in our letter to you under date of November 2, 1961.

You will note that in accordance with your letter of November 6, 1961 we are presently making Proof of Application of Water to Beneficial Use for the two permits mentioned above.

It is our present understanding that we shall have to make "Proof of Completion of Works" and "Proof of Beneficial Use of Water" for the additional 700 cfs after you have issued a permit therefor in response to our application dated November 2, 1961.

Yours very truly,


R. D. Yeomans
Secretary

KOS:rw
enc.

21828

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO

RECEIVED
DEC 1 1961

Department of Reclamation

Permit No.s. 21783 & 21828

Proof of Application of Water to Beneficial Use

Deposition of Holder

Ques. 1. State your name, residence, occupation and postoffice address.

Ans. G. M. Brunzell, Spokane, Washington, President of The Washington Water Power Company, P. O. Drawer 1145, Spokane 10, Washington.

Ques. 2. If acting in behalf of corporation, state its name, principal place of business (if a foreign corporation, give name of postoffice of statutory agent), your position with reference to same, and your authority for appearing in its behalf. The Washington Water Power Company of Spokane,

Ans. Washington. Mr. W. F. McNaughton, Statutory Agent, Coeur d'Alene, Idaho. President. Authorized by the By-Laws of Corporation.

Ques. 3. State number and date of permit, and date of priority you propose to establish under the permit. Permits #21783 and #21828, dated November 28, 1950, December 26, 1950.

Ans. Priority dates September 7, 1950 (25,000 cfs) and November 7, 1950 (10,000 cfs).

Ques. 4. State source of water supply and give exact location of point of diversion.

Ans. Clark Fork River. Approx. 1200 feet east of center of Sec. 27, T55N, R3E, BM in Lots 2 and 7 of Sec. 27, T55N, R3E, B.M.

Ques. 5. Describe your works of diversion, and state amount of water they are capable of conveying from point of diversion to place of use, and give name of canal or ditch or other works by which water is conducted to such place of use. If a well, state depth of well, depth and size of casing and depth to water. If pump is used, state discharge of pump and tell how it was measured or determined. If sprinkler irrigation, give number and size of nozzles and operating pressure.

Ans. Four (4) penstocks, 27 feet dia., 600 feet long delivering water to four (4) hydraulic turbines. Capability of penstocks alone would closely approach 135,000 cfs. Capability of penstocks and turbines is 35,700 cfs. Cabinet Gorge Hydro-electric Development.

Ques. 6. State for what purpose water is used and describe place of use. (If for irrigation, name each subdivision in which used, and number of acres in each subdivision that have actually been irrigated with said water.) State whether cultivated or natural meadow land and the nature of all improvements which have been made as a direct result of said use.

Ans. Water is used, non-consumptively, for power and energy production. Place of use: Approx. 1200 feet east of center of Sec. 27, T55N, R3E, B.M.

Ques. 6-a If this is a ground water permit, give name and address of person that drilled the well.

Ans. Not applicable.

21828

Ques. 7. If for other than irrigation purposes; state how applied, amount of horse power generated, etc.

Ans. Power produced up to 308,000 horsepower.

Ques. 8. What is the minimum amount of water required for the purpose specified above?

Ans. 308,000 horse power requires 35,700 cfs.

Ques. 9. If you are not the person or representative of the corporation to whom above mentioned permit was originally issued, please state how ownership was acquired by present holder.

Ans.

Ques. 10. State when, how, in what amount and to what extent the water diverted under above mentioned permit has been used.

Ans. Water has been used at varying rates for power production since September 29, 1952.

Ques. 11. State when, how, in what amount and to what extent waters other than those diverted under the above mentioned permit have been diverted and applied to beneficial use upon the lands herein described. Give full particulars regarding such other appropriations and rights claimed thereunder.

Ans. None.

(Sign)

President

I hereby certify that the foregoing testimony was read to the above subscribed before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me, at my office in Spokane, County of Spokane,

State of Idaho, on this 27th day of November, A. D. 1961.

Rash.

J. Richard Moffett

My commission expires 10-22-64

21828

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO

PERMITS NOS. 21783, 21828

Proof of Application of Water to Beneficial Use
Deposition of Witness

The deposition of two witnesses, on this form, taken separately, required in each case.

Ques. 1. State your name, age, residence, occupation and postoffice address.

Ans. W. L. Malony, 78, 720 West 23rd Avenue, Spokane, Washington

Occupation - Civil Engineer

Ques. 2. Are you acquainted with THE WASHINGTON WATER POWER COMPANY, the holder of Permits Nos. 21783, 21828? How long have you known him and where does he reside?

Ans. Yes, 51 years. East 1411 Mission Avenue (P.O. Drawer 1445, Spokane, Washington

Ques. 3. Have you read or heard read said Permit Nos. 21783, 21828, and are you familiar with its provisions and conditions?

Ans. Yes, I am familiar with its provisions and conditions.

Ques. 4. State source of water supply, place of diversion, and describe works for conveying water from point of diversion to place of use.

Ans. Clark Fork River, diverted approximately 1200 feet east of the center of Section 27, Twp 55 N, Rge 3 W.B.M. in Lots 2 and 7 of Section 27, Twp 55 N, Rge 3 W.B.M., thru 4 penstocks 27 feet in diameter, approximately 600 feet long each.

Ques. 5. How many second feet of water do you estimate said works will safely conduct to place of use, and how much water have you seen being so conveyed?

Ans. In excess of 35,700 cfs. I have seen 35,700 cfs being so conveyed.

Ques. 6. State for what purpose water is used and at what place. (If for irrigation, give each subdivision in which water has been used and number of acres irrigated in each subdivision.) State whether cultivated or natural meadow land and the nature of all improvements which have been made as a direct result of said use.

Ans. Purpose: Development of hydroelectric power and energy at Cabinet Gorge Hydroelectric Development of The Washington Water Power Company at location described in Answer to Question 4.

21828

Ques. 7. If for power or other purposes than irrigation, state how water has been applied and to what extent.

Ans. Water has been passed, at various times, through any, or all, of 4 hydraulic turbines each directly connected to a 55,555 kva generator. Maximum use, for test purposes, has been 35,700 cfs.

Ques. 8. If for irrigation, state character of land that has been reclaimed, and give your estimate of the amount of water required for its profitable cultivation.

Ans. Not applicable

Ques. 9. Have you any interest in the works, water or lands above mentioned? If so, in what way and to what extent?

Ans. No.

Ques. 10. State when, how, in what amount and to what extent you have witnessed the application to beneficial use of water diverted under said permit.

Ans. On November 8, 1961 I witnessed the application to beneficial use of 35,700 cfs. of water for approximately 45 minutes by the passage of said water thru the 4 hydraulic turbines of the Cabinet Gorge Hydroelectric Development.

(Signed)

W. Y. Maloney

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me in Spokane

County of Spokane, State of Idaho on this 27th day of November
A. D. 1961

J. Richard Muffett
Notary Public.

My commission expires 10 - 22 - 64

21828

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHORECEIVED
DEC 1 1961
Department of ReclamationPERMIT NO. S. 21783, 21828**Proof of Application of Water to Beneficial Use**
Deposition of Witness

The deposition of two witnesses, on this form, taken separately, required in each case.

Ques. 1. State your name, age, residence, occupation and postoffice address.

Ans. John P. Esvelt; 40; W. 4017 Broad, Spokane, Washington; Civil Engineer;
Radio Central Building, Spokane, WashingtonQues. 2. Are you acquainted with The Washington Water Power Company, the holder of Permit No. S. 21783, 21828? How long have you known him and where does he reside?Ans. Yes, 20 years. East 1411 Mission Avenue (P.O. Drawer 1445), Spokane,
Washington.Ques. 3. Have you read or heard read said Permit No. S. 21783, 21828, and are you familiar with its provisions and conditions?Ans. Yes. I am familiar with its provisions and conditions

Ques. 4. State source of water supply, place of diversion, and describe works for conveying water from point of diversion to place of use.

Ans. Clark Fork River, diverted approximately 1200 feet east of the center of
Section 27, TWP 55 N, Rge 3 W.B.M. in Lots 2 and 7 of Section 27, Twp 55 N,
Rge 3 W.B.M., thru 4 penstocks 27 feet in diameter, approximately 600 feet
long each.

Ques. 5. How many second feet of water do you estimate said works will safely conduct to place of use, and how much water have you seen being so conveyed?

Ans. In excess of 35,700 cfs. I have seen 35,700 cfs being so conveyed.

Ques. 6. State for what purpose water is used and at what place. (If for irrigation, give each subdivision in which water has been used and number of acres irrigated in each subdivision.) State whether cultivated or natural meadow land and the nature of all improvements which have been made as a direct result of said use.

Ans. Purpose: Development of hydroelectric power and energy at Cabinet Gorge
Hydroelectric Development of The Washington Water Power Company at location
described in Answer to Question 4.

21828

Ques. 7. If for power or other purposes than irrigation, state how water has been applied and to what extent.

Ans. Water has been passed, at various times, through any, or all, of 4 hydraulic turbines each directly connected to a 55,555 kva generator. Maximum use, for test purposes, has been 35,700 cfs.

Ques. 8. If for irrigation, state character of land that has been reclaimed, and give your estimate of the amount of water required for its profitable cultivation.

Ans. Not applicable

Ques. 9. Have you any interest in the works, water or lands above mentioned? If so, in what way and to what extent?

Ans. No.

Ques. 10. State when, how, in what amount and to what extent you have witnessed the application to beneficial use of water diverted under said permit.

Ans. On November 8, 1961, I witnessed the application to beneficial use of 35,700 cfs. of water for approximately 45 minutes by the passage of said water thru the 4 hydraulic turbines of the Cabinet Gorge Hydroelectric Development.

(Signed)

John P. Esvelt

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me in Spokane,

County of Spokane, State of Idaho, on this 27th day of November,
Wash.

A. D. 19 61.

Richard Muffett
Notary Public.

My commission expires 10-22-64.

21828

Affidavit of Publication

STATE OF IDAHO, }
County of Bonner, } ss.

L. E. Pietsch being first duly sworn on oath deposes and says that he is Publisher of The Sandpoint News-Bulletin a weekly newspaper printed and published at Sandpoint, Bonner County, Idaho; that the said Sandpoint News-Bulletin has been continuously and uninterruptedly published in said Bonner County during a period of 18 months or 78 weeks prior to the first publication of the hereto attached notice for publication in the case of

Notice of Proof Application of

Water to Beneficial Use; Permits

Nos. 21783 & 21828

as it was published in the regular and entire issue of the said paper for a period of Four consecutive weeks, commencing on the 26th day of October, 19 61, and ending on the 16th day of November, 19 61, and that said notice was published in said newspaper, and not in supplemental form.

L. E. Pietsch

Subscribed and sworn to before me this

16th day of November, 19 61

Glynn Neal

Notary Public for Idaho,
Residing at Sandpoint, Idaho.

NOTICE OF PROOF APPLICATION OF WATER TO BENEFICIAL USE

Notice is hereby given that at 10:00 A.M. on the 27th day of November, 1961, at East 1411 Mission Avenue at Spokane, Washington County of Spokane, State of Washington, before J. Richard Muffert, Notary Public proof will be submitted of the application to beneficial use of 35,000 cubic feet per second of the waters of the Clark Fork River in accordance with the terms and conditions of Permits Nos. 21783 & 21828 heretofore issued by the State Reclamation Engineer of the State of Idaho.

The name and postoffice address of the person or corporation holding said permit is The Washington Water Power Company, P. O. Drawer 1443, Spokane 10, Washington.

The use of to which said water has been applied is electric power and energy production.

The amount to beneficial use is 35,000 cfs under the above permits.

The place where said water is used (if for irrigation, give full and accurate description of the lands irrigated) is at the Cabinet Gorge Hydroelectric Development near Clark Fork, Idaho. The use is non-consumptive. Location: Lots 2 & 7, Sec. 27, T. 55 N., R. 3 E.B.M.

The name of the canal or ditch or other works by which said water is conducted to such place of use is none other than penstock tunnels.

The right to take water from such works is based upon Permits Nos. 21783 and 21828.

The source of supply from which such water is diverted is the Clark Fork River.

The dates of priority which said user is prepared to establish are September 7, 1950 for Permit No. 21783 and November 7, 1960, for Permit No. 21828.

GEO. N. CARTER,

State Reclamation Engineer.

026-n2-9-16

21828

November 6, 1961

Re: Permit Nos. 21783 & 21828
Washington Water Power Co.
Spokane 10, Washington

Sandpoint News
Sandpoint, Idaho

Gentlemen:

On October 17, 1961 we mailed you Notices for Publication on the above numbered permits, requesting a copy or tear sheet be mailed us of the first publication for proofing purposes.

To date we have not received such copies as ask that you mail them to this office as soon as possible.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer

By:

H. PETRI
Water Rights Clerk

HP:ew

21828

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

BOISE

October 17, 1961

Re: Permit No. s. 21783 and 21828

The Washington Water Power Company,
P. O. Drawer 1145,
Spokane 10, Washington.

Gentlemen:

This acknowledges the Notice of Proof of ~~Completion of Works~~ and Application of Water to Beneficial Use under Permit No. s. 21783 & 21828. The proofs are to be made at 10:00 o'clock A.M., on the 27th day of November, 1961, ~~1959~~, before J. Richard Muffett, East 1411 Mission Ave., Spokane, Notary Public.

As of this date we have mailed the Notice to the Sandpoint News, Sandpoint, Idaho with instructions to publish it once a week for four consecutive weeks prior to the date set for final proof and then mail the affidavit of publication and statement of costs to you.

It is important that the enclosed depositions be executed by you and two disinterested witnesses who are familiar with the terms of the permit and the work done thereunder, at the place, on the date, and at the time and before the Notary, as advertised. It is very important and necessary that each question be answered in detail.

In returning the depositions to this office, be sure that all copies have been signed, the Notary's seal has been placed on each and that all depositions, (holder and two witnesses) are being returned. Also be sure to enclose the Affidavit of Publication.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer

By:

File
(Mrs.) Edna P. ~~R. R. R.~~
Chief Clerk

Encl.

EPR: **pmk**

cc: Notary

21828

1200
6-28-61

STATE OF IDAHO
DEPARTMENT OF RECLAMATION

Boise, Idaho

Re: Permit Nos. 21783 & 21828
Washington Water Power Company
Spokane 10, Washington.

Date: October 17, 1961

Sandpoint News,
Sandpoint, Idaho.

Gentlemen:

Enclosed you will find notice for publication, once a week for four consecutive weeks prior to **November 27, 1961** the date set for proof;

the expense of the publication is to be paid by the applicant

Washington Water Power Company of **P. O. Drawer, Spokane 10, Washington**
to whom you should furnish proof of publication on or prior to the date set for proof.

Please acknowledge receipt of this notice and furnish this office with a copy or tear sheet of the first publication.**

Very truly yours,

GEO. N. CARTER
GEO. N. CARTER
State Reclamation Engineer

** If the first copy is not received in this office for checking purposes and errors appear in subsequent issues, it is possible that re-publication of corrected copy will be at your own expense.

Encl.

21828

NOTICE FOR PUBLICATION

NOTICE OF PROOF APPLICATION OF WATER
TO BENEFICIAL USE

Notice is hereby given that at 10:00 A. M. on the 27th day of November, 19 61,
East 1411 Mission Avenue Washington
 at Spokane, Washington, County of Spokane, State of Idaho, before
J. Richard Muffett, Notary Public

proof will be submitted of the
 application to beneficial use of 35,000 cubic feet per second of the waters of the Clark Fork
River in accordance with the terms and conditions of Permit Nos. 21783 & 21828
 heretofore issued by the State Reclamation Engineer of the State of Idaho.

The name and postoffice address of the person or corporation holding said permits is
The Washington
Water Power Company, P. O. Drawer 1445, Spokane 10, Washington

The use to which said water has been applied is electric power and energy production

The amount applied to beneficial use is 35,000 cfs under the above permits

The place where said water is used (if for irrigation, give full and accurate description of the lands irrigated)
is at the Cabinet Gorge Hydroelectric Development near Clark Fork, Idaho. The use
is non-consumptive. Location: Lots 2 & 7, Sec. 27, T. 55 N., R. 3 E.B.M.

The name of the canal or ditch or other works by which said water is conducted to such place of use is
none other than penstock tunnels

The right to take water from such works is based upon Permit No. s. 21783 and 21828

The source of supply from which such water is diverted is the Clark Fork River

The dates of priority which said user is prepared to establish are
for September 7, 1950 for Permit
#21783 and November 7, 1950, for Permit #21828.

GEO. N. CARTER

State Reclamation Engineer.

21828

STATE OF IDAHO
DEPARTMENT OF RECLAMATION

Re: Permit No. 21828

Date: Oct. 2, 1961

B. J. Lindsay, Secretary
Washington Water Power Co.
Spokane, Washington

Dear Mr. Lindsay:

The date for proof of application of water to beneficial use, as set out under the terms of Permit No. 21828 is due not later than Dec. 16, 1961. If by this date you are not prepared to make this proof, you may make it at a later date, however, your priority will be advanced the same length of time for which the proof is late.

Before this proof can be made, the statutory requirement is that a notice of your intention of proof be published once a week for four consecutive weeks in a newspaper within the county.

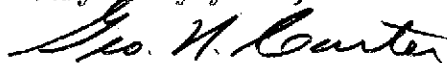
We enclose Form 10, in duplicate, which is to be filled in and returned to this department at least forty (40) days before the above mentioned date and/or before the time you intend to make proof. This form, in duplicate, is to include the time of day, the date, the name of the town, the address of the Notary Public before whom you will appear to make the depositions of proof (this may be at any place that is convenient for you and your two witnesses), the quantity of water, for what purpose it is used, the point or points of diversion and the location of use or lands which are irrigated - by legal land description. Descriptions should be taken from your Permit, including any amendments thereto, as recorded in this department. If changes have been made and no amendments are on record, we advise that you request a form for this purpose before your notice is published.

Also enclosed is Form 11, which is the authorization for us to have the notice published in the designated county newspaper, at your expense. This is to be returned with Forms 10.

At the time we send the notice to the newspaper we will send to you the forms for the depositions of holder and two disinterested witnesses. It is important that the depositions be executed at the time, on the date set and at the place named, before the Notary Public, as advertised in the publication notice.

The amount of water allowed in a license cannot be more than is actually produced and measured and put to beneficial use, and cannot be more than the statutory amount allowable per acre of land actually found by field inspection to have been irrigated at the time of proof.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer

Enc. 10 - 11

21828

ADDRESS ALL COMMUNICATIONS
TO THE SECRETARY

RECEIVED
JUL 26 1957

Department of Reclamation

FEDERAL POWER COMMISSION
WASHINGTON 25

Project No. 2058
The Washington Water Power Company

JUL 22 1957

Department of Reclamation
State House
Boise, Idaho

Gentlemen:

Enclosed for your information is a copy of Instrument
No. 7 of the license for Project No. 2058, issued to The
Washington Water Power Company.

Very truly yours,

J. H. Gettys
Secretary

Enclosure No. 112421
Copy of Instrument No. 7

21828

Form No. F. P. C.-18

INCLOSURE N° 112421

**FROM
FEDERAL POWER COMMISSION**

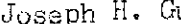
21828

RECEIVED
JUL 26 1957
Department of Reclamation

Project No. 2058

ERRATA NOTICE

ORDER APPROVING PROJECT EXHIBIT
(Issued June 18, 1957)


Joseph H. Gutride
Secretary.

UNITED STATES OF AMERICA
FEDERAL POWER COMMISSION

Before Commissioners: Jerome K. Kuykendall, Chairman; Seaborn L. Digby,
Frederick Stueck and William R. Connole.

In the Matter of

The Washington Water Power Company

Project No. 2058

ORDER APPROVING PROJECT EXHIBIT

(Issued June 18, 1957)

Application was filed December 27, 1956, and supplemented on May 3, 1957, by The Washington Water Power Company, licensee for major Project No. 2058, for approval of Exhibit L (FPC No. 2058-41) as a part of the license for the project.

The exhibit just described shows a 230 kv tap line extending from the Cabinet Gorge Switching Station of Project No. 2058 to the Bonneville Power Administration switchyard, a distance of about 1.12 miles, and the effect of approval of the exhibit would be to include the tap line under the license as part of Project No. 2058. The tap line does not occupy any lands of the United States.

The Commission finds:

(1) The aforementioned tap line constitutes a primary line as defined in Section 3 (11) of the Federal Power Act and, therefore, is subject to the licensing authority of the Commission.

(2) Exhibit L (FPC No. 2058-41), which supersedes Exhibit L (FPC No. 2058-16) now part of the license, conforms to the Commission's rules and regulations and should be included as part of the license for Project No. 2058, and the superseded exhibit should be eliminated therefrom as hereinafter provided.

The Commission orders:

(A) Exhibit L (FPC No. 2058-41) is approved as part of the license for Project No. 2058 and the tap line shown thereon is approved as part of the project.

(B) Superseded Exhibit L (FPC No. 2058-16) is eliminated from the license for the project.

21828

Project No. 2058
(Contd.)

- 2 -

(C) This order shall become final thirty (30) days from the date of its issuance unless application for rehearing shall be filed as provided in Section 313 (a) of the Federal Power Act, and failure to file such an application shall constitute acceptance of this order.

By the Commission.

Joseph H. Gutride,
Secretary

21828

*Cabinet Gorge
file*

UNITED STATES OF AMERICA
FEDERAL POWER COMMISSION

Before Commissioners: Jerome K. Kuykendall, Chairman; Seaborn L. Digby,
Frederick Stueck and William R. Connole.

In the Matter of

The Washington Water Power Company }

Project No. 2058

RECEIVED
JUN 2 1 1957

Department of Reclamation

ORDER APPROVING PROJECT EXHIBIT

(Issued June 18, 1957)

Application was filed December 27, 1956, and supplemented on May 3, 1957, by The Washington Water Power Company, licensee for major Project No. 2058, for approval of Exhibit L (FPC No. 2058-41) as a part of the license for the project.

The exhibit just described shows a 230 kv tap line extending from the Cabinet Gorge Switching Station of Project No. 2058 to the Bonneville Power Administration switchyard, a distance of about 1.12 miles, and the effect of approval of the exhibit would be to include the tap line under the license as part of Project No. 2058. The tap line does not occupy any lands of the United States.

The Commission finds:

(1) The aforementioned tap line constitutes a primary line as defined in Section 3 (11) of the Federal Power Act and, therefore, is subject to the licensing authority of the Commission.

(2) Exhibit L (FPC No. 2058-41), which supersedes Exhibit L (FPC No. 2058-16) now part of the license, conforms to the Commission's rules and regulations and should be included as part of the license for Project No. 2058, and the superseded exhibit should be eliminated therefrom as hereinafter provided.

The Commission orders:

(A) Exhibit L (FPC No. 2058-41) is approved as part of the license for Project No. 2058 and the tap line shown thereon is approved as part of the project.

(B) Superseded Exhibit L (FPC No. 2058-16) is eliminated from the license for the project.

21828

Project No. 2058
(Contd.)

- 2 -

(C) This order shall become final thirty (30) days from the date of its issuance unless application for rehearing shall be filed as provided in Section 313 (a) of the Federal Power Act, and failure to file such an application shall constitute acceptance of this order.

By the Commission.

Joseph H. Gutride,
Secretary

21828

July 13, 1956

RE: PERMITS NOS. 21783 - 21828

The Washington Water Power Company
Spokane 10
Washington

Gentlemen:

We enclose Certificate of Completion of Works issued under Permit No. 21783 for the diversion of 25,000 second feet of water from Clark Fork River with point of diversion in the SE¹NE¹₄, Section 27, Township 55 North, Range 3 East, B. M., with priority of September 7, 1950, for development of hydroelectric power and energy.

We also enclose Certificate of Completion of Works issued under Permit No. 21828 for the diversion of 10,000 second feet of water from Clark Fork River, with point of diversion in the SE¹NE¹₄, Section 27, Township 55 North, Range 3 East, B. M., with priority of November 7, 1950, for hydroelectric power and energy.

We also enclose departmental receipt No. 28046 for the \$10,504.00 Completion of Works fees on these two Permits.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

R:cu
Enc.

21828

April 26, 1956

RE: Permit No. 21828

Washington Water Power Co.
Drawer 1445
Spokane 10, Washington

ATTENTION: Mr. B. J. Lindsay, Sec.

Gentlemen:

We now have on file the report of our field engineer on examination for Completion of Works proof on Permit No. 21828 in the name of Washington Water Power Company, which shows that 10,000 cubic feet per second of the waters of Clark Fork River have been used for development of hydroelectric power and energy purposes.

Therefore, upon receipt of the statutory fee of \$3,004.70 a Certificate of Completion of Works can be issued for 10,000 cubic feet per second, this being at the rate of \$5.00 for the first cubic foot per second and 30¢ for each additional cubic foot per second.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Roy W. Thompson
Office Manager

T:hll

21828

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE

REPORT OF ENGINEER

PERMIT NO. 21828

REPORT ON PROOF OF Completion of works

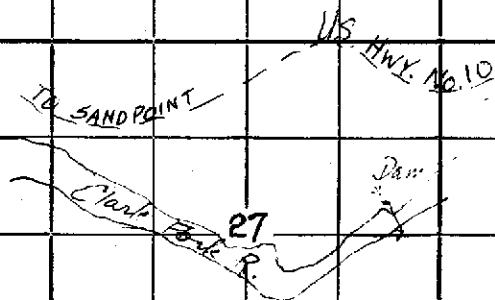
WASHINGTON WATER POWER COMPANY, P.O. Drawer 1445, Spokane, 10, Washington

app. 10,000 cfs

*Q_m 10000 cfs
Smrk.*

3004.75 ?

R-3E.



They claim $98\frac{1}{2}\%$ turbine efficiency.
 " " 97% Generator " "

This gives an overall efficiency of 89.6%
 This makes a total of 33600 cfs.

Take as 86% overall efficiency to make 35000 cfs.

$$230000 \text{ KW.} \div 745.6 = \text{hp.}$$

$$\frac{\text{hp} \times 550}{90 \times 62\frac{1}{2}} = \text{cfs.}$$

(562)

$90 = \text{h.} \}$ →
 $62\frac{1}{2} = \text{W.} \}$

Seems to me they are doing excellent
 at 86% overall efficiency in which case
 $Q = 10000$ cfs.

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO
REPORT OF ENGINEER

Permit No. 21828

This proof is for Completion of works

In Water District No. _____

1. Name of applicant Washington Water Power Co., P.O. Drawer 1445, Spokane, 10, Wash.
2. Source of water supply: Clark Fork River
3. Location of point of diversion: Is in the at Cabinet Gorge/ In lots 2 & 7
T. 55 N. R. 3 E. B.M. County of Bonner of Section 27
4. Describe works as they exist, giving dimensions and capacities of same: _____

See 21783.

5. Water is used for: Development of hydro-electric power and energy
6. State whether or not water has been turned into works of diversion: _____
7. List legal subdivisions of lands to be irrigated. If proof is for beneficial use, give exact number of acres under cultivation in each forty-acre tract. (Describe manner and place of use if other than irrigation):

Place of use: Lots 2 and 7, Section 27, Twp. 55 North, Range 3 East, B.M.

(Submit map on attached plat, showing location and details of above description.)

8. What large stream would the water here appropriated finally reach? _____

Remarks: _____

This examination was made on the 19 day of Apr., 19 26

(Signed) E. M. Humphrey Examiner.

21828

Washington Water Power Co.
P.O. Drawer 1445, Spokane, 10,
Wash.

Permit No. 21828

Examination for... Completion of works

County... Bonner

27-55N.-3E.

Q = 10,000 c.f.s.

S = Clark Fork River

P.H. = Lots 287, Sec. 27, T. 55N.-R. 3E.

Hydro-electric Power

Filed = Nov. 7, 1950
Due = Dec. 26, 1961

INSTRUCTIONS TO EXAMINERS

1. Always carefully note the location of the point of diversion and accurately plat same.
2. When proof is for beneficial use, carefully check up the number of acres actually irrigated in each forty and accurately plat same.
3. Make a map showing the correct location of streams and ditches, and the irrigated lands, and any adjacent permanent landmarks, such as towns, lakes, large streams and public roads.
4. If any unusual conditions are discovered, make plain statement of them under remarks.
5. Always see the holder, if possible, and go over the whole ground with him and make your report only upon actual existing facts and conditions.
6. Give general characteristics of soils, topography, and crops raised.

RECEIVED
APR 25 1956

Department of Reclamation

April 10, 1956

RE: Permit No. 21828, and 21783

Washington Water Power Co.
P. O. Drawer 1145
Spokane 10, Washington

Gentlemen:

Events have changed my schedule and advanced your date of inspection. I intend to be in Sandpoint on Wednesday evening, April 18 and will want to make inspection in connection with the above numbered Permits on Thursday, April 19 instead of Friday, as I wrote you on April 6.

I will contact your office in Spokane by telephone on Tuesday the 17th as I am passing through the Coeur d'Alene area on my way North.

I have just received your letter of April 9 advising that Mr. Eisele will be your representative on this trip. I will either contact your office of Mr. Eisele as stated above.

Thank you for this information.

Yours truly,

MARK R. KULP
State Reclamation Engineer
By

E. N. Humphrey
Deputy State Reclamation Engineer

H:hll

21828

21821



CABINET GORGE DAM, built by Washington Water Power Co. on the Clarkfork River, is situated 5 miles upstream from Clarkfork, Idaho. A splendid viewpoint is a few hundred yards of Hwy. 10A affords this view of the project.

Pub. by The Ross Hall Studio, Sandpoint, Idaho
73693

Genuine Natural Color. Made by Dexter Press, Inc. Silver Hyack, 97a 47.

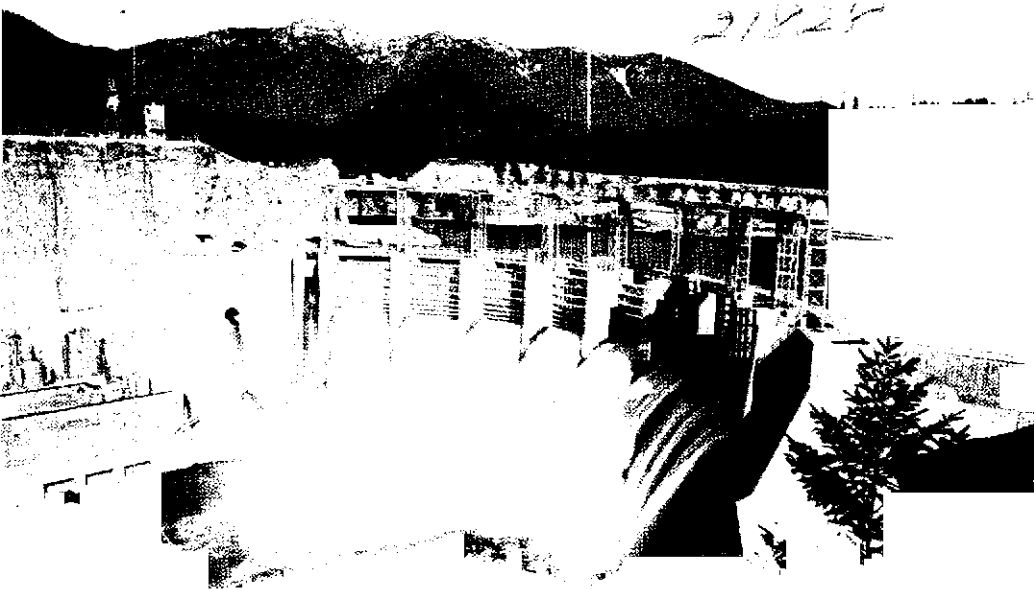
POST CARD

21828

PLACE
STAMP
HERE

Dexter

21828



CABINET GORGE DAM is located on the Clarkfork River of North Idaho with a Cabinet Range background. This \$46,000,000 tax-paying project of Washington Water Power Co. generates 200,000 K.W. and was thought by many engineers impossible to build in 2 years.

Genuine Natural Color, Made by Dexter Press, Inc., West Nyack, N. Y.

PLACE
STAMP
HERE

Dexter

POST CARD

21828



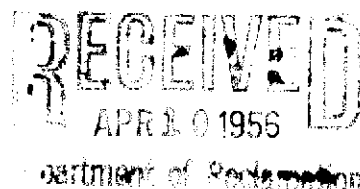
THE WASHINGTON WATER POWER COMPANY

P. O. DRAWER 1445

SPOKANE 10, WASHINGTON

B. J. LINDSAY, SECRETARY

April 9, 1956



AIR MAIL

Mr. Mark R. Kulp
State Reclamation Engineer
State of Idaho
Department of Reclamation
Boise, Idaho

Attention: Mr. E. N. Humphrey

Dear Mr. Kulp:

We acknowledge receipt of your letter of April 6, 1956, and desire to advise you that Mr. Loren Eisele of this Company has been selected as the person who will render assistance to you on your planned inspection trip of the Cabinet Gorge power development near Cabinet, Idaho.

We are naturally hopeful that this inspection on your part will in the ordinary course of business lead to the issuance of the Certificate of Completion of Works on that project.

Our engineers advise us that the exact measurement of the discharged water, or as you describe it, the amount of water passing through the turbines, has not yet been carried to full completion, so that feature will not be taken up until a somewhat later date.

Before the hour of 5 p.m. on the 19th day of April, Mr. Eisele will be in his office in our main office building in Spokane. A little later in the day he will be at his home and awaiting a telephone call from you if you have not called him prior to that time. His telephone number at his home is listed as WALnut 8034.

Yours very truly,

B. J. Lindsay
B. J. Lindsay

BJL:o

cc: Mr. M. L. Blair
Mr. Loren Eisele

RE: Permits Nos. 21828 & 21783

Washington Water Power Company
P. O. Drawer 1145
Spokane 10, Washington

Gentlemen:

Inspection is required in connection with your two Permits before Certificate of Completion of Works can be issued. This is in accordance with State Law.

If the weather and roads permit, I hope to be in North Idaho and make inspection in connection with your two permits on Friday, April 20. I should have an engineer or someone familiar with your installation accompany me on the inspection.

I intend to stay overnight in Coeur d'Alene on Thursday, April 19, and will try to contact someone in your organization at that time in order to give you an opportunity to advise as to whom will accompany me on the inspection and where I should meet him.

If at the time you receive this letter you know who will accompany me and where it will be possible to contact him on the evening of the 19th and will advise me right away by letter there will be ample time for me to receive same before Monday Evening, April 16, which will be my last opportunity to receive mail before going North.

One of the chief requirements of this inspection is to determine as accurately as possible the amount of water passing through your turbines. If per chance you have already made determinations of such and have copies of such it would perhaps facilitate the inspection.

Yours truly,

MARK R. KULP
State Reclamation Engineer
By

21828

E. N. Humphrey
Deputy State Reclamation Engineer

H:hll

December 5, 1955

RE: Permits Nos. 21783 and 21828

Mr. B. J. Lindsay, Secretary
The Washington Water Power Co.
P. O. Drawer 1145
Spokane 10, Washington

Dear Mr. Lindsay:

We have your letter of December 1st enclosing affidavit of publication in the Sandpoint News Bulletin which completes proof of completion of works on the above numbered Permits.

Before final action is taken in the matter, the law requires that a field examination be made by an engineer from this department.

We cannot tell just when this examination will be made but our field engineer will try and contact you at the time he makes the examination so that arrangements may be made to show him over the grounds.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

Ashll

aff. in file 21783

21828

November 30, 1935

RE: Permits Nos. 21783 - 21828

Washington Water Power Company
P. O. Drawer 1445
Spokane 10, Washington

Gentlemen:

We have received from Mr. J. Richard Maffett depositions of Holder and two Witnesses in proof of Completion of Works on the above numbered Permits.

However, the Affidavit of Publication is a necessary part of these proofs and the Sandpoint News Bulletin was instructed to send you this Affidavit. If you have not received it we suggest that you take the matter up with them at once.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

A:eu

CC: Mr. J. Richard Maffett

21828

PERMIT NO. 21828

Proof of Completion of Works

DEPOSITION OF HOLDER

Ques. 1. State your name, residence, occupation and postoffice address.

Ans. K. M. Robinson, Spokane, Washington. President and Chairman of the Board, The Washington Water Power Company, P. O. Drawer 11145, Spokane 10, Washington.

Ques. 2. If acting in behalf of a corporation, state its name, principal place of business, your position with reference to same, and your authority for appearing in its behalf.

Ans. The Washington Water Power Company, Spokane, Washington, President. Authorized by the By-Laws of the Corporation and Resolution of the Board of Directors.

Ques. 3. State number and date of permit, amount of water you are authorized to divert, source, and point of diversion.

Ans. No. 21828, granted December 26, 1950, for 10,000 second feet on Clark Fork River at Cabinet Gorge, Idaho.

Ques. 4. State purpose for which water is to be used, and, if for irrigation, state the number of acres and give description of the land you intend to reclaim.

Ans. Hydroelectric power development.

Ques. 5. State whether or not the water has been turned into your works of diversion, and, if so, when and to what extent.

Ans. Water first turned into works September 29, 1952. All water covered by permit used as of August 15, 1953, and presently in use.

Ques. 6. State whether or not the works of diversion are fully completed, and whether or not they comply in all respects with the terms of the permit.

Ans. The works are fully completed and comply in all respects with the terms of the permit.

Ques. 7. If the works of diversion do not comply with all the terms of your permit, state fully those particulars in which there is any variance.

Ans. None.

Ques. 8. Give description of works, state dimensions and capacity of each part, and give cost of same.

Ans. Dam: 99 ft. head, 600 ft. long, 208 ft. high. Powerhouse: 400 ft. long x 123 ft. x 116 ft. high. 4 propeller type hydro turbines with generators, 50 MW. each. 4 power tunnels 27 ft. diameter 550 ft. long. Each turbine uses up to 8750 cfs. cost of project \$46,000,000.

(Sign here.) *K. M. Robinson*

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me, in *Spokane*,

County of *Spokane*, State of *Idaho*, on this *25* day of *November* A. D. 19*55*.

J. Richard Moffett
Notary Public.

My Commission expires *10-22-56*

21828

The Depositions of two Witnesses, in this form, taken separately, required in each case.

Permit No. 21828

Proof of Completion of Works

DEPOSITION OF WITNESS

Ques. 1. State your name, residence, occupation and postoffice address.

Ans. W. L. Searce, Trout Creek, Montana

Occupation: Resident Engineer. P. O. Address: Box 36 Trout Creek, Montana

Ques. 2. Are you acquainted with The Washington Water Power Company, the holder of Permit No. 21828, authorizing the diversion of 10,000 second-feet of the waters of the Clark Fork River, at Cabinet Gorge, Idaho for power development purposes? How long have you known him, and where does he reside?

Ans. Yes. 4 1/2 years. Spokane, Washington

Ques. 3. Have you read or heard read said Permit No. 21828, and are you familiar with its terms and conditions?

Ans. Yes.

Ques. 4. (If for irrigation purposes). Are you acquainted with the land proposed to be irrigated under said permit? If so, describe same, state its character, and give your estimate of the amount of water required for its profitable cultivation.

Ans. -----

Ques. 5. Are the works of diversion fully completed and of sufficient capacity to convey the entire amount of water set out in the permit from point of diversion to place of use?

Ans. Yes.

Ques. 6. Describe the works of diversion as they now exist, and give your estimate of their capacity.

Ans. Dam: 99 ft. head, 600 ft. long, 208 ft. high. Powerhouse: 400 ft. long x 123 ft. x 116 ft. high. 4 propeller type hydro turbines with generators, 50 MW each. 4 power tunnels 27 ft. diameter, 550 ft. long. Each turbine uses up to 8750 cfs. Cost of project \$46,000,000.

(Sign here.)

W. L. Searce

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me, at my office in Spokane, County of Spokane, State of Idaho, on this 25th day of November, A. D. 1955.

J. Richard Muffett
21828

The Depositions of two Witnesses, in this form, taken separately, required in each case.

Permit No. 21828

Proof of Completion of Works

DEPOSITION OF WITNESS

Ques. 1. State your name, residence, occupation and postoffice address.

Ans. W. I. Malony 720 W. 23rd Avenue, Spokane, Washington

Occupation: Consulting Engineer. P. O. Address: Symons Building, Spokane 4, Wash.

Ques. 2. Are you acquainted with The Washington Water Power Company, the holder of Permit No. 21828, authorizing the diversion of 10,000 second-feet of the waters of the Clark Fork River, at Cabinet Gorge, Idaho for power development purposes? How long have you known him, and where does he reside?

Ans. Yes. 45 years. Spokane, Washington

Ques. 3. Have you read or heard read said Permit No. 21828, and are you familiar with its terms and conditions?

Ans. Yes.

Ques. 4. (If for irrigation purposes). Are you acquainted with the land proposed to be irrigated under said permit? If so, describe same, state its character, and give your estimate of the amount of water required for its profitable cultivation.

Ans. -----

Ques. 5. Are the works of diversion fully completed and of sufficient capacity to convey the entire amount of water set out in the permit from point of diversion to place of use?

Ans. Yes.

Ques. 6. Describe the works of diversion as they now exist, and give your estimate of their capacity.

Ans. Dam: 99 ft. head, 600 ft. long 208 ft. high. Powerhouse: 400 ft. long x 123 ft. x 116 ft. high. 4 propeller type hydro turbines with generators, 50 MW each. 4 power tunnels 27 ft. diameter, 550 ft long. Each turbine uses up to 8750 cfs. Cost of project \$46,000,000.

(Sign here.)

W. I. Malony

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me, at my office in Spokane County of Spokane, State of Idaho, on this 25th day of November, A. D. 1955.

J. Richard Maffett

21828

This certifies that the following is a true and complete excerpt from the minutes of the meeting of the Board of Directors of The Washington Water Power Company held at New York, New York, on September 11, 1950, at which a majority of such directors was present and voting throughout:

"RESOLVED that the officers of this Company be and they are hereby authorized and directed to proceed with the completion of detailed engineering surveys, plans and designs, and to take any and all such action and further steps, on behalf of this Company, as in their opinion may be necessary or desirable to construct, equip and complete a hydroelectric power generation station of up to approximately 200,000 kilowatts capacity, at the Cabinet Gorge site located on the Clark Fork of the Columbia River in Bonner County, Idaho, together with the necessary switching equipment and transmission lines to connect said station with the Company's interconnected primary transmission system, with full power to act in the premises, including the making of any loans or temporary borrowings as they may deem necessary, together with preliminary arrangements for the permanent financing of said installations, and including the acquisition of such lands, easements and other rights as they may deem necessary or desirable for said purposes, and including the entering into and execution by said officers, on behalf of this Company, of such construction contracts and other agreements, and the making and filing of such applications for permits, licenses, and other authorizations as may be required, or as may by them be deemed necessary or desirable in the premises."

The foregoing resolution is in full force and effect.

Witness my hand and the seal of said Company at Spokane, Washington, this 17th day of November, 1955.


Secretary of The Washington Water
Power Company.

21828

September 23, 1955

RE: Permits Nos. 21783 and 21828

Washington Water Power Company
P. O. Drawer 1145
Spokane 10, Washington

ATTENTION: Mr. B. J. Lindsay,
Secretary

Dear Mr. Lindsay:

We have your letter of September 21 enclosing notice for completion of works on the above numbered Permits to be made November 25, 1955, together with authorization to publish in the Sandpoint News.

We have made one slight change to show the place of use as given in the Permits, that is, in Lots 2 and 7, Section 27, Township 55 North, Range 3 East, B.M.

A copy of the notice will be sent to the newspaper with instructions to publish once a week for four weeks prior to November 25 and to send the affidavit of publication together with statement of costs to you.

Meanwhile, we enclose the forms of deposition to be used in making these proofs. A separate set of proofs should be submitted on each permit. These are to be executed by a representative of the Company and two disinterested witnesses before Mr. J. Richard Muffett, Notary Public at the time set for proof.

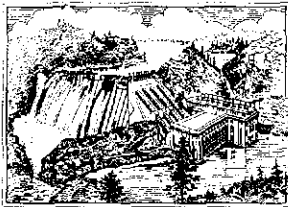
Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

Ashll
E -

21828



THE WASHINGTON WATER POWER COMPANY

P. O. DRAWER 1445

SPOKANE 10, WASHINGTON

B. J. LINDSAY, SECRETARY

September 21, 1955

RECEIVED
SEP 23 1955
Department of Reclamation

Department of Reclamation
State of Idaho
Boise, Idaho

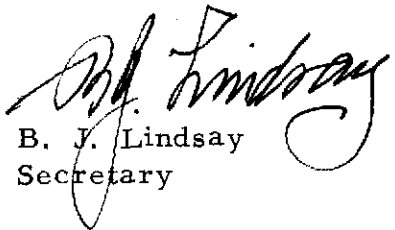
Attention: Mr. Mark R. Kulp
State Reclamation Engineer

Gentlemen:

In response to your letter of September 1, 1955, we enclose two copies of Notice of Publication in connection with State of Idaho water permits No's. 21783 and 21828. Also we enclose two copies of your Form No. 11 which I have signed as Secretary of the Company and which is also signed by Lester R. Gamble, Chief Engineer of our Company. He is also a Licensed Engineer in the State of Idaho.

We trust that you find all in proper form.

Yours very truly,


B. J. Lindsay
Secretary

BJL:vls

(Registered)

21828

R 930

March 3, 1954

Mr. B. J. Lindsay, Secretary
The Washington Water Power Co.
Box 1445
Spokane, Washington

Dear Mr. Lindsay:

In reply to your telephone request we enclose, herewith,
a copy of the bond filed in connection with Permit No. 21828 which is
essentially the same as the bond filed on Permit No. 21783

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

A:br
Enc.

21828

~~21828~~

*Cabinet Gorge
WPP Co*

UNITED STATES OF AMERICA
FEDERAL POWER COMMISSION

RECEIVED
FEB 1 1954
Department of Reclamation

Before Jerome K. Kuykendall, Chairman; Claude L. Draper,
Commissioners: Nelson Lee Smith, Dale E. Doty and Seaborn L. Digby.

In the Matter of)
)
The Washington Water Power Company) Project No. 2058

ORDER APPROVING REVISED EXHIBITS AND
ADJUSTING ANNUAL CHARGES

In compliance with paragraph (C) (3) of the Commission's January 9, 1951 order issuing license to The Washington Water Power Company for Project No. 2058, the licensee on June 9 and 13, 1952 filed Exhibits F and K and a tabulation of field notes as part of Exhibit K showing the project area and project boundary of the project, known as the Cabinet Gorge development. After staff review, the exhibits were returned to the licensee for revisions. Corrected Exhibits F and K along with supplemental field notes were filed by the licensee on June 5 and 8, 1953.

Approval of Exhibit K would cause a reduction in the area of Government lands occupied by the project from 1285.81 acres to 367.409 acres with a consequent adjustment in the annual charges specified in paragraph (C) (7) (ii) of the license.

Approval of Exhibit K would cause also the superseding of that portion of Exhibit J (FPC No. 2058 - 2) which shows the project boundary.

In view of these necessary changes in the license and other minor changes, including Commission approval by order of May 6, 1952 of the Exhibit K maps showing the transmission line from Cabinet to Spokane, Washington, which should be shown in the license, it would seem desirable to rewrite paragraph (a) of the license as hereinafter provided.

The Commission finds:

- (1) Exhibit K (FPC No. 2058 - 31 to - 40, inclusive) including as part thereof 42 pages of field notes, conform with the Commission's rules and regulations and should be approved as part of the license for Project No. 2058, and the superseded part of Exhibit J (FPC No. 2058 - 2) showing the project boundary, now part of the license should be eliminated therefrom.

21828

- (2) The annual charge hereinafter imposed under paragraph (C) (7) (ii) of the license for the purpose of recompensing the United States for the use, occupancy, and enjoyment of its lands, exclusive of those used for transmission line rights-of-way, is reasonable.

The Commission orders:

- (A) Exhibit K described in finding (1) above as conforming with the Commission's rules and regulations is hereby approved as part of the license for Project No. 2058, and that part of Exhibit J (FPC No. 2058 - 2) described in the same finding as being superseded is hereby eliminated from the license.
- (B) The annual charge specified in paragraph (C) (7) (ii) of the license for the project is hereby reduced from \$2,571.62 to \$734.82, so that the said paragraph shall read as follows:
- (ii) For the purpose of recompensing the United States for the use, occupancy, and enjoyment of its lands, exclusive of those used for transmission line rights-of-way, \$734.82; and
- (C) Paragraph (a) of the license for the project as modified by Commission order of May 6, 1952 is hereby revised to read as follows:
- (a) All lands constituting the project area and inclosed by the project boundary or the limits of which are otherwise defined, and/or interest in such lands necessary or appropriate for the purposes of the project, whether such lands or interest therein are owned or held by the Licensee or by the United States; such project area and project boundary being more specifically shown and described by certain exhibits which formed part of the applications for license or amendment thereof and which are designated and described as follows:

Exhibit J: (FPC No. 2058-2) General map of project except for the project boundary shown thereon;

21828

Exhibit K: (FPC Nos. 2058-11 to -16, inclusive)
Maps in six sheets showing 230-kv
Transmission Line Cabinet-Spokane;

Exhibit K: (FPC Nos. 2058-31 to -40, inclusive)
Maps in 10 sheets showing project area
and project boundary; and

Exhibit K: Field notes of distances, bearings and
(Supplemental) station coordinates of project bound-
ary consisting of 35 pages filed June
9, 1952 and seven pages of corrections
and additions filed June 8, 1953.

- (D) This order shall become final thirty (30) days from the date of its issuance unless application for rehearing shall be filed as provided by Section 313 (a) of the Federal Power Act, and failure to file such an application shall constitute acceptance of this order.

By the Commission.

Leon M. Fuquay,
Secretary.

Adopted: January 20, 1954

Issued: January 25, 1954

21828

November 28, 1952

RE: Permits Nos. 21783 and 21828

Mr. Alan G. Paine
Spokane and Eastern Building
Spokane 8, Washington

Dear Mr. Paine:

Receipt is acknowledged of copies of Mortgage and Deed of Trust, dated June 1, 1949, and First Supplemental Indenture dated as of October 1, 1952, the Washington Water Power Company to City Bank Farmers Trust Company and Ralph W. Morton, trustee.

The instruments have been filed as acceptable under Section 42-807 Idaho Code, with Permits Nos. 21783 and 21828.

Very truly yours,

MARK R. KULP
State Reclamation Engineer

A:fg

21828

Law Offices of
PAINE, LOWE, AND COFFIN

SPOKANE AND EASTERN BUILDING

SPOKANE 8, WASHINGTON

November 18, 1952

Alan G. Paine
R. E. Lowe
Harold W. Coffin
Lyle M. Colborn
Alan P. O'Kelly
Fred E. Woepfel

Mr. Mark Kulp
State Reclamation Engineer
Boise, Idaho

Dear Mr. Kulp:

As you know, The Washington Water Power Company recently issued \$30,000,000 more of bonds under its mortgage, and the new mortgage includes the property at Cabinet Gorge and the water permits from the State of Idaho, being Permits Nos. 21783 and 21828.

In compliance with the provisions of Chapter 142 of the Session Laws of 1937, as amended in 1947, I am enclosing herewith for filing with you a copy of the original mortgage and a copy of the First Supplemental Indenture. You will note the mortgagee, City Bank Farmers Trust Company, is qualified as a foreign corporation to do business in Idaho.

The mortgage was placed on the property for the purpose of raising sufficient funds to build the Cabinet Gorge project and not for the purposes of speculation or delay, and is made in good faith. It therefore appears to us to be strictly in conformity with the law.

I will appreciate it if you will acknowledge receipt of these mortgages for filing, and advise me if there is any other information that you desire or require.

Very truly yours,



Alan G. Paine
Attorney for The Washington
Water Power Company.

Encls.
AGP MS

21828

March 20, 1952

RE: Permits Nos. 21783 and 21828

Washington Water Power Company
P. O. Drawer 1445
Spokane 6, Washington

ATT: Mr. J. E. E. Royer, Vice President and General Manager

Dear Mr. Royer:

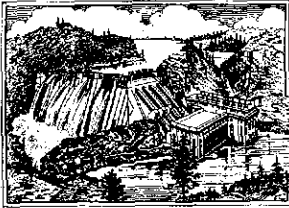
We return two photo-static copies each of fourteen drawings in connection with Permits Nos. 21783 and 21828 (Cabinet Gorge) which have been approved by me.

Very truly yours,

MARK R. KULP
State Reclamation Engineer

K:fg
Enc.

21828



THE WASHINGTON WATER POWER COMPANY

P. O. DRAWER 1445

SPOKANE 6, WASHINGTON

March 13, 1952

J. E. E. ROYER,
VICE PRESIDENT AND GENERAL MANAGER

RECEIVED
MAR 14 1952

Department of Reclamation

Mr. Mark R. Kulp, State Reclamation Engineer
Department of Reclamation
Boise, Idaho

Dear Sir:

Subject: Cabinet Gorge Project
Idaho Water Permits Nos. 21783 and 21828
Plans of Dams

The Washington Water Power Company, holder of Permits No. 21783 and No. 21828, herewith makes application for approval of dam to be constructed at its Cabinet Gorge Hydro-Electric Project in Bonner County, Idaho, on the Clark Fork River approximately one-half mile west of the Idaho Montana state line.

Attached hereto are four photostatic copies each of fourteen drawings, giving complete data as required by your Regulations "Plans of Dams", as follows:

- Sheet 1, Drawing No. F-106650, Dam-Arch Design Data and Stresses
- Sheet 2, Drawing No. F-106651, Dam-Plan and Profile
- Sheet 3, Drawing No. F-106652, Dam-Arch Rings and Sections
- Sheet 4, Drawing No. F-106653, Dam-Apron and Protective Works
- Sheet 5, Drawing No. F-106654, Dam-Determination of Extent of Cantilever Action in Dam
- Sheet 6, Drawing No. F-106655, Dam-Water Load Stresses in Dam
- Sheet 7, Drawing No. F-106656, Dam-Temperature and Combined Stresses in Dam
- Sheet 8, Drawing No. F-106660, General Plan
- Sheet 9, Drawing No. F-106661, Power House Penstocks
- Sheet 10, Drawing No. F-106662, Power House Longitudinal Section and Downstream Elevation
- Sheet 11, Drawing No. F-106663, Power House Cross Section
- Sheet 12, Drawing No. F-106664, Power House--Plan of Pipe Gallery and At B Distributor
- Sheet 13, Drawing No. F-106665, Power House Roof Plan and Operating Floor Plan
- Sheet 14, Drawing No. F-106666, Power House Intake--Plan and Sections

21828

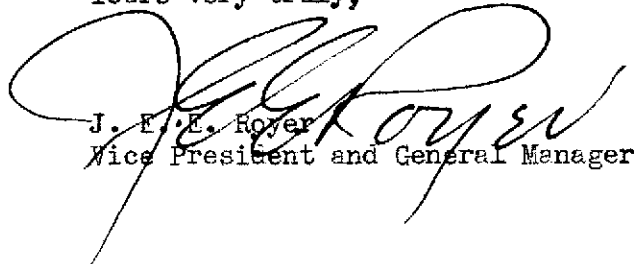
Mr. Mark R. Kulp

- 2 -

March 13, 1952

We respectfully request the approval of these
plans.

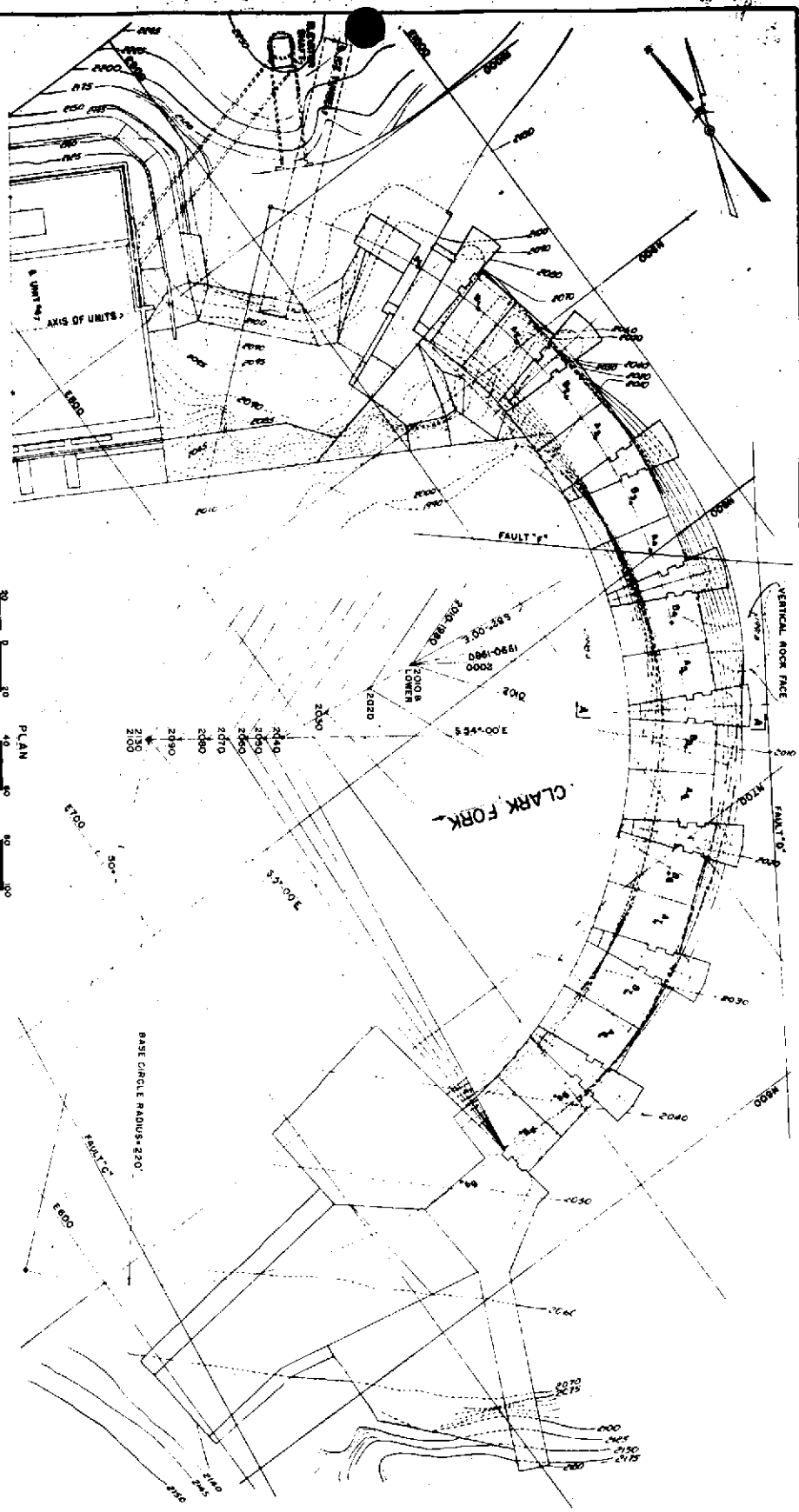
Yours very truly,



J. E. E. Royer
Vice President and General Manager

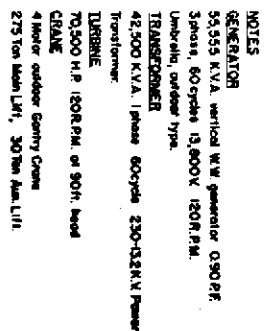
JEER:jj
Atch.

21828



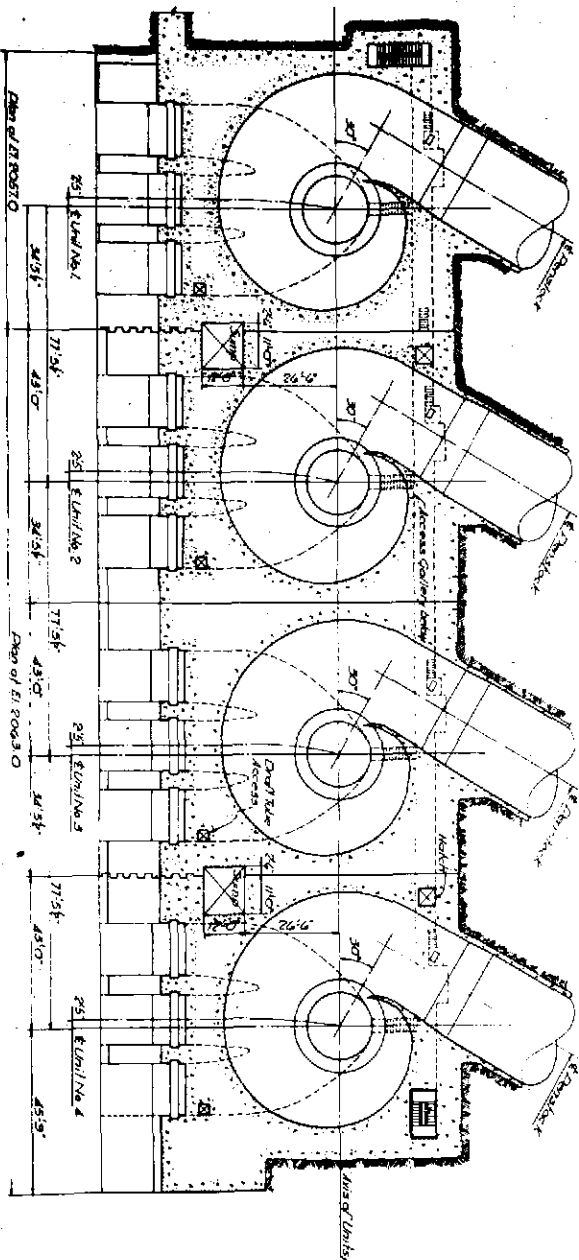
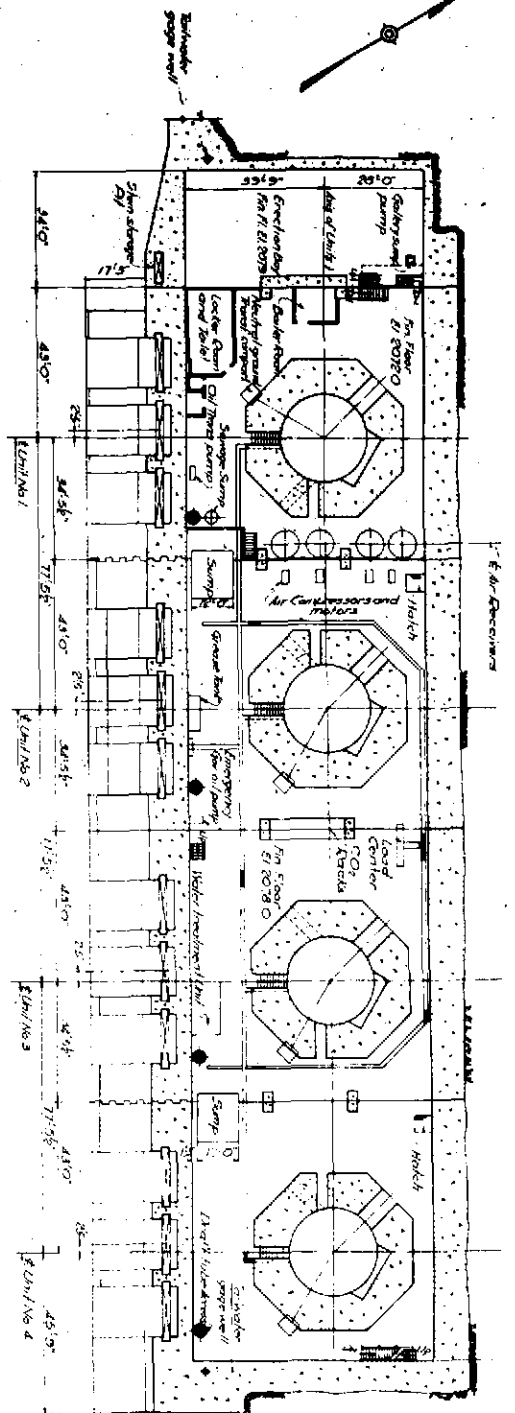
NOTES
 These structures have been designed for pond level at Elevation 2175.
 The analysis of the arch is based on the method developed by William Carr.
 E = 4,000,000 PSI
 C = 0.000005
 (H) indicates compression
 (T) indicates tension
 Max allowable core (Combined Stresses) = 700 psi
 Max allowable tension (Combined Stresses) = 125 psi
 E1 2140
 E1 2040
 FALL OF TEMPERATURE
 1. Sum of equivalent temp changes due to swelling and arch shortening

ARCH DIMENSIONS														Water Load Stresses (psi) (psi of Temp Stresses (psi) Combined Stresses (psi)													
STATION (+100)	CROWN THICKNESS (ft)	ABUTMENT N.E. LEFT	CROWN R.E. RIGHT	R INCHES	CENTRAL ANGLE	WATER LEVEL D1	ADD. TO ABT.		ADD. TO ABT.		CROWN		ABUTMENT		CROWN		ABUTMENT		CROWN		ABUTMENT						
							EXT. (ft)	INT. (ft)	EXT. (ft)	INT. (ft)	EXT. (ft)	INT. (ft)	EXT. (ft)	INT. (ft)	EXT. (ft)	INT. (ft)	EXT. (ft)	INT. (ft)									
2135	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-515	+183	-200	-417	+159	-186	-250	-824	-654	-3	-50	-641					
2130	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-441	+234	+202	+440	+66	-104	-167	+157	-527	+150	+35	-597					
2125	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-434	+194	+139	+469	-96	-121	-198	+183	-350	+73	-58	-652					
2120	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-401	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2115	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2110	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2105	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
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2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
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2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+113	-40	-616					
2100	35	35	35	0.14	102'-4"	98.6	4	4	4	4	-301	+224	+207	+463	-88	-111	-167	+153	-569	+11							



STATE RECLAMATION ENGINEER

**APPLICATION FOR ADMISSION
AND THE SIGNATURE OF THE
PARENT OR GUARDIAN OF THE
CHILD APPLICANT**



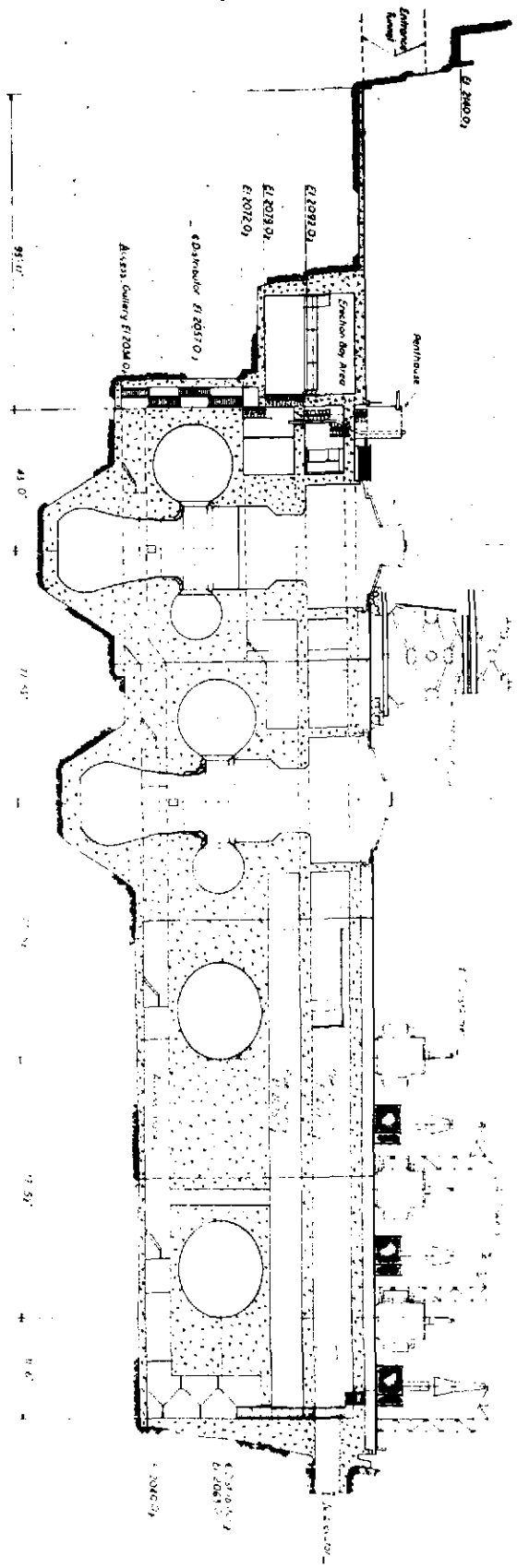
PLAN AT DISTRIBUTOR

PLAN OF PIPE GALLERY

CABINET GOULD H.E. DEVELOPMENT
POWER HOUSE — PLAN OF PEE GALLERY AND AT & ORTHOGONAL
THE WASHINGTON WATER POWER CO.

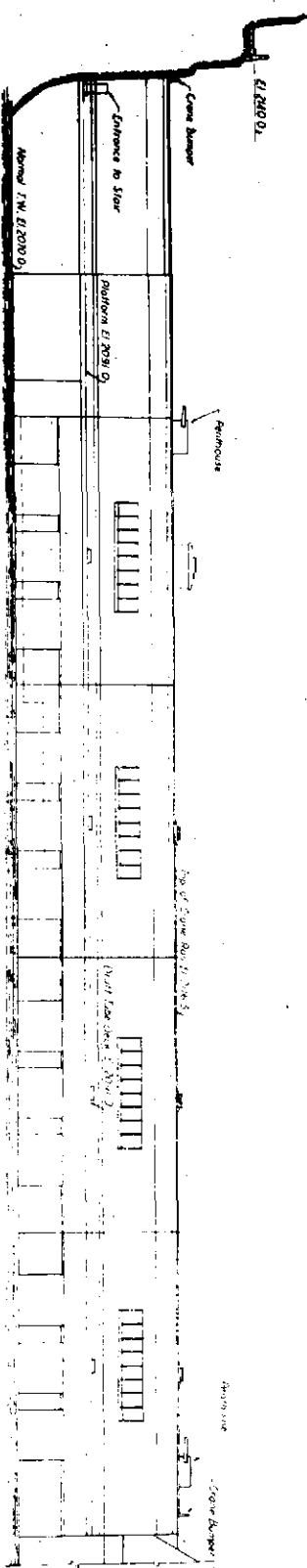
APPLICATION FOR APPROVAL OF DAM
STATE DEPARTMENT OF REGULATION
PERMIT NO. 21753 & 21828
CLARK FORK RIVER

F-106664



LONGITUDINAL SECTION AT AXIS OF UNITS

LONGITUDINAL SECTION AT ACCESS GALLERY



DOWNSIDE ELEVATION



SCALE 1"=100'

MAR 20 1952
 STATE REGISTRATION ENGINEER
Mark R. Smith

CABINET CORP. INC. DEVELOPMENT
 POWER HOUSE LONGITUDINAL SECTION AND DOWNSIDE ELEVATION
 THE WASHINGTON WATER POWER CO.
 SCALE 1"=100'

APPLICATION FOR APPROVAL OF DAM
 BUREAU OF REVENUE & REGISTRATION
 PERMIT NO. 2783 & 2182
 CLARK FORK RIVER
 DRAWN BY W. H. HARRIS

	EL2086	EL2090	EL2100	EL2110	EL2120	EL2130	EL2140	EL2150	EL2160	EL2170	EL2180	EL2190	EL2200	EL2210	EL2220	EL2230	EL2240	EL2250	EL2260	EL2270	EL2280	EL2290	EL2300	EL2310	EL2320	EL2330	EL2340	EL2350	EL2360	EL2370	EL2380	EL2390	EL2400	EL2410	EL2420	EL2430	EL2440	EL2450	EL2460	EL2470	EL2480	EL2490	EL2500	EL2510	EL2520	EL2530	EL2540	EL2550	EL2560	EL2570	EL2580	EL2590	EL2600	EL2610	EL2620	EL2630	EL2640	EL2650	EL2660	EL2670	EL2680	EL2690	EL2700	EL2710	EL2720	EL2730	EL2740	EL2750	EL2760	EL2770	EL2780	EL2790	EL2800	EL2810	EL2820	EL2830	EL2840	EL2850	EL2860	EL2870	EL2880	EL2890	EL2900	EL2910	EL2920	EL2930	EL2940	EL2950	EL2960	EL2970	EL2980	EL2990	EL3000	EL3010	EL3020	EL3030	EL3040	EL3050	EL3060	EL3070	EL3080	EL3090	EL3100	EL3110	EL3120	EL3130	EL3140	EL3150	EL3160	EL3170	EL3180	EL3190	EL3200	EL3210	EL3220	EL3230	EL3240	EL3250	EL3260	EL3270	EL3280	EL3290	EL3300	EL3310	EL3320	EL3330	EL3340	EL3350	EL3360	EL3370	EL3380	EL3390	EL3400	EL3410	EL3420	EL3430	EL3440	EL3450	EL3460	EL3470	EL3480	EL3490	EL3500	EL3510	EL3520	EL3530	EL3540	EL3550	EL3560	EL3570	EL3580	EL3590	EL3600	EL3610	EL3620	EL3630	EL3640	EL3650	EL3660	EL3670	EL3680	EL3690	EL3700	EL3710	EL3720	EL3730	EL3740	EL3750	EL3760	EL3770	EL3780	EL3790	EL3800	EL3810	EL3820	EL3830	EL3840	EL3850	EL3860	EL3870	EL3880	EL3890	EL3900	EL3910	EL3920	EL3930	EL3940	EL3950	EL3960	EL3970	EL3980	EL3990	EL4000	EL4010	EL4020	EL4030	EL4040	EL4050	EL4060	EL4070	EL4080	EL4090	EL4100	EL4110	EL4120	EL4130	EL4140	EL4150	EL4160	EL4170	EL4180	EL4190	EL4200	EL4210	EL4220	EL4230	EL4240	EL4250	EL4260	EL4270	EL4280	EL4290	EL4300	EL4310	EL4320	EL4330	EL4340	EL4350	EL4360	EL4370	EL4380	EL4390	EL4400	EL4410	EL4420	EL4430	EL4440	EL4450	EL4460	EL4470	EL4480	EL4490	EL4500	EL4510	EL4520	EL4530	EL4540	EL4550	EL4560	EL4570	EL4580	EL4590	EL4600	EL4610	EL4620	EL4630	EL4640	EL4650	EL4660	EL4670	EL4680	EL4690	EL4700	EL4710	EL4720	EL4730	EL4740	EL4750	EL4760	EL4770	EL4780	EL4790	EL4800	EL4810	EL4820	EL4830	EL4840	EL4850	EL4860	EL4870	EL4880	EL4890	EL4900	EL4910	EL4920	EL4930	EL4940	EL4950	EL4960	EL4970	EL4980	EL4990	EL5000	EL5010	EL5020	EL5030	EL5040	EL5050	EL5060	EL5070	EL5080	EL5090	EL5100	EL5110	EL5120	EL5130	EL5140	EL5150	EL5160	EL5170	EL5180	EL5190	EL5200	EL5210	EL5220	EL5230	EL5240	EL5250	EL5260	EL5270	EL5280	EL5290	EL5300	EL5310	EL5320	EL5330	EL5340	EL5350	EL5360	EL5370	EL5380	EL5390	EL5400	EL5410	EL5420	EL5430	EL5440	EL5450	EL5460	EL5470	EL5480	EL5490	EL5500	EL5510	EL5520	EL5530	EL5540	EL5550	EL5560	EL5570	EL5580	EL5590	EL5600	EL5610	EL5620	EL5630	EL5640	EL5650	EL5660	EL5670	EL5680	EL5690	EL5700	EL5710	EL5720	EL5730	EL5740	EL5750	EL5760	EL5770	EL5780	EL5790	EL5800	EL5810	EL5820	EL5830	EL5840	EL5850	EL5860	EL5870	EL5880	EL5890	EL5900	EL5910	EL5920	EL5930	EL5940	EL5950	EL5960	EL5970	EL5980	EL5990	EL6000	EL6010	EL6020	EL6030	EL6040	EL6050	EL6060	EL6070	EL6080	EL6090	EL6100	EL6110	EL6120	EL6130	EL6140	EL6150
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Year	WATER LOAD				TEMP FALL + E				WATER LOAD + TEMP FALL + E			
	Ext	Int	Altitude	Int	Ext	Int	Altitude	Int	Ext	Int	Altitude	Int
1906	+315	+183	+200	+417	+135	-106	-50	-924	+554	-3	-50	+431
1907	+441	+234	+202	+440	+86	-104	-167	-157	+207	-130	-50	+437
1910	+353	+193	+195	+463	+96	-121	-198	-183	+530	+73	-59	+552
1908	+201	+824	+107	+643	+88	-111	-167	+183	+359	+113	-40	+616
1909	+408	+814	+25	+417	+83	-106	-48	+136	+583	+108	-77	+548
1905	+602	+282	+21	+365	+73	-93	-122	-115	+375	+128	+159	+482
1904	+320	+211	+248	+408	+71	-94	-123	+112	+650	+118	+119	+520
1903	+446	+215	+280	+387	+53	-84	-103	+94	+629	+135	+117	+481
1902	+385	+217	+330	+154	+53	-70	-81	+73	+668	+167	+249	+487
1901	+346	+247	+445	+373	+45	-59	-68	+62	+671	+188	+277	+435

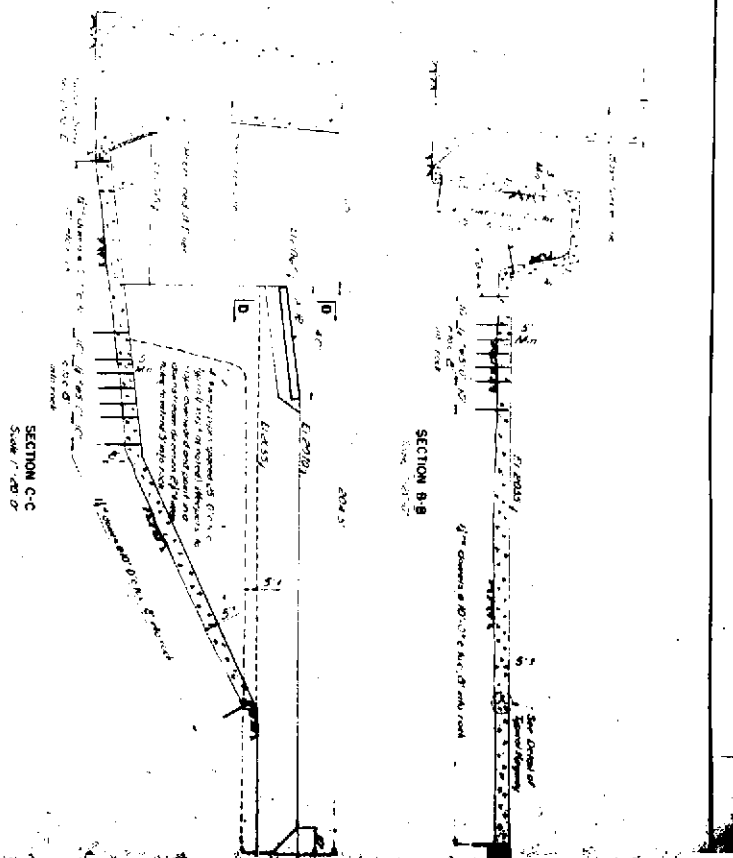
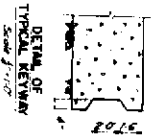
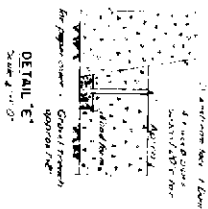
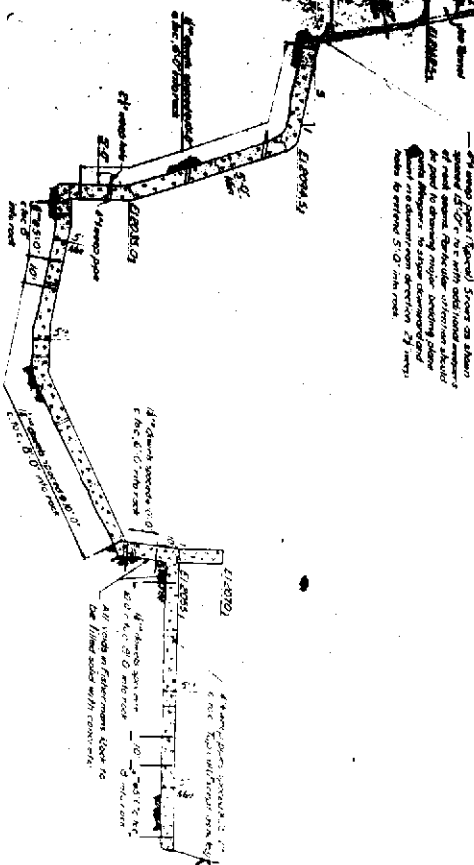
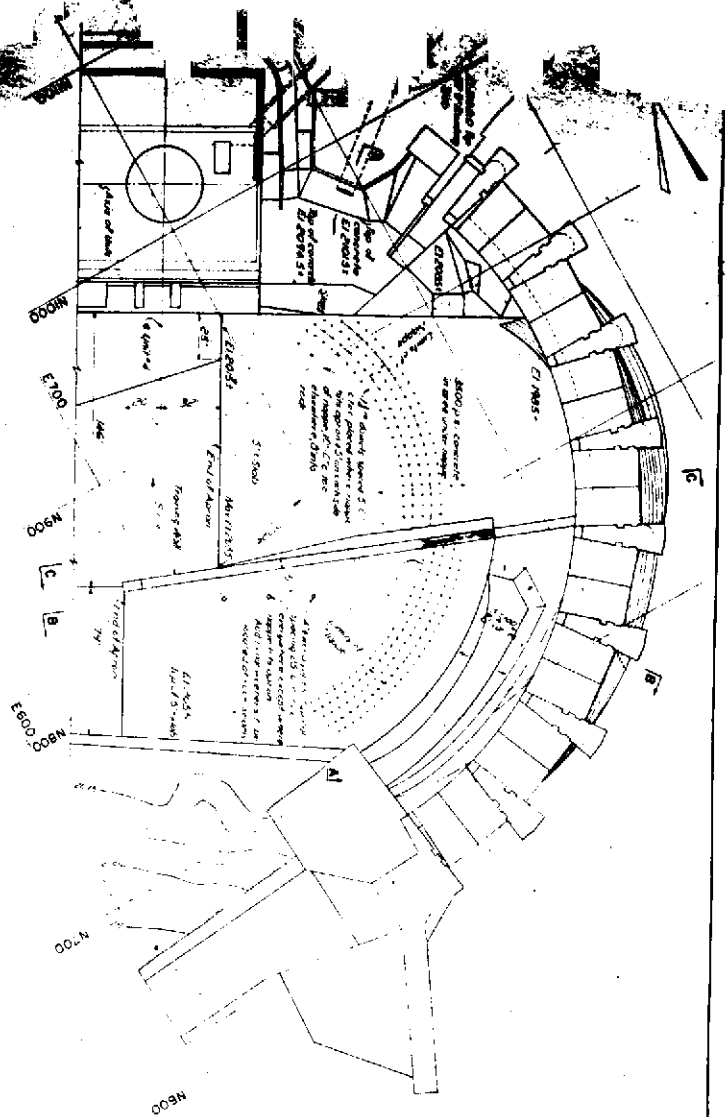
MAR 20 1952

Mark H. Stuck
CIVIL ENGINEER

CABINET DOOR & DEVELOPMENT
DUAL-TEMPERATURE AND CHAMBER STRESSING IN DASH
THE WASHINGTON WATER POWER CO.

Mark R. Kunkel

THE WASHINGTON WATER POWER CO.



44-38861-1052

Mark R. Kulp
REGISTERED PROFESSIONAL ENGINEER

THE WASHINGTON WATER P

E WASHINGTON WATER P

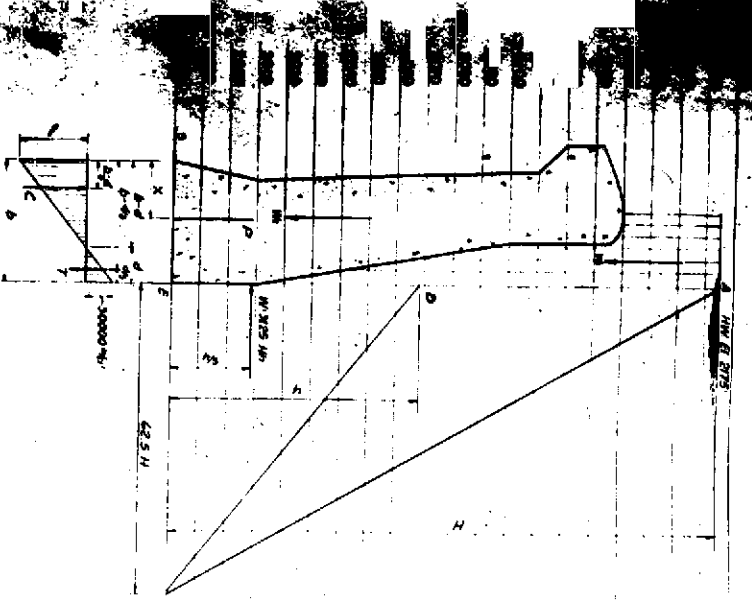
APPLICATION FOR APPROVAL OF

GAS AND STEAM SERVICE AT ADDRESS

PURVIEW NO. 8705 S STREET

CUSTOMER NAME:

10



CASE 1

Distance from base to point of zero resultant

Distance from base to point of zero resultant

Distance from base to point of zero resultant

Distance from base to point of zero resultant

Distance from base to point of zero resultant

Distance from base to point of zero resultant

Distance from base to point of zero resultant

Distance from base to point of zero resultant

Distance from base to point of zero resultant

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Distance from base to point of zero resultant

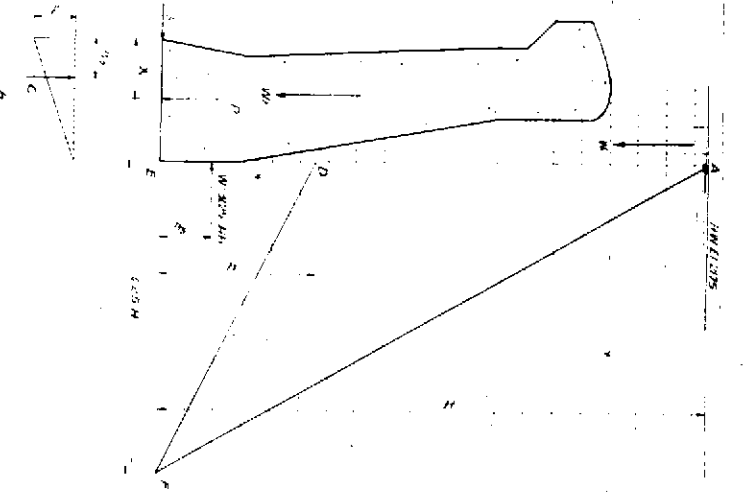
Distance from base to point of zero resultant

Distance from base to point of zero resultant

Distance from base to point of zero resultant

Distance from base to point of zero resultant

Distance from base to point of zero resultant



CASE 2

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

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For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

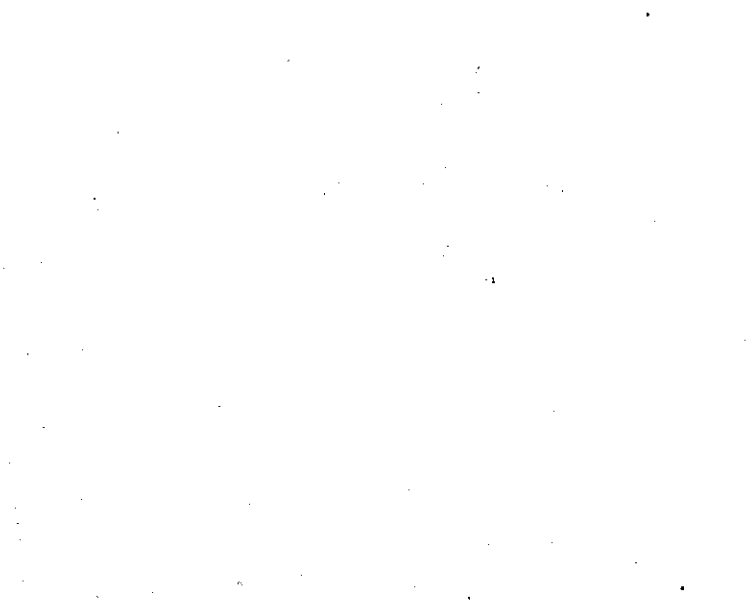
For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam



CASE 3

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

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For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

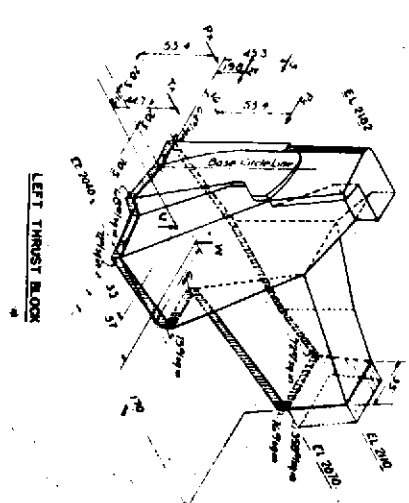
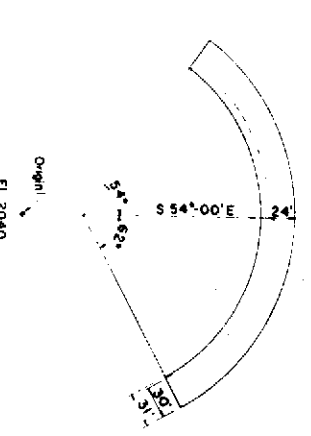
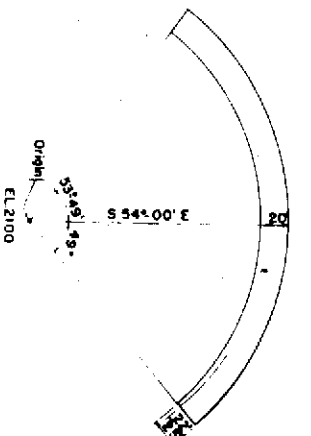
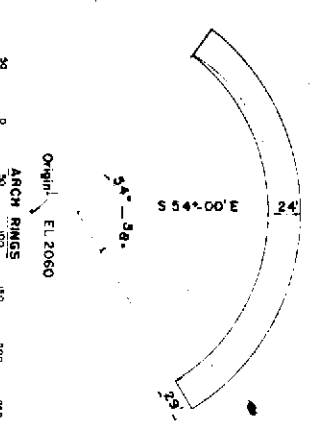
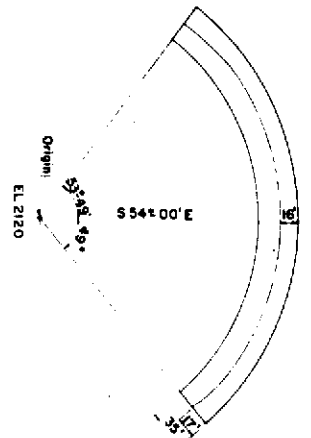
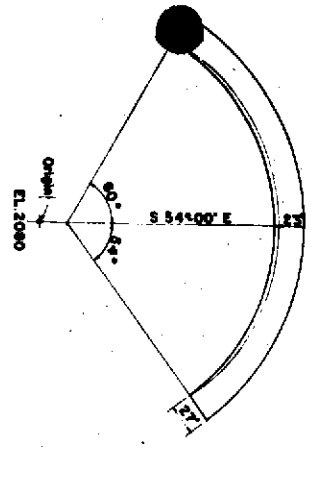
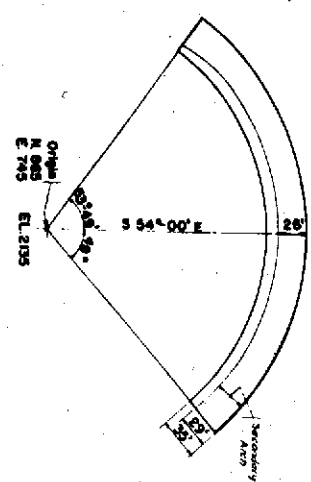
For zero tension at upstream edge of dam

For zero tension at upstream edge of dam

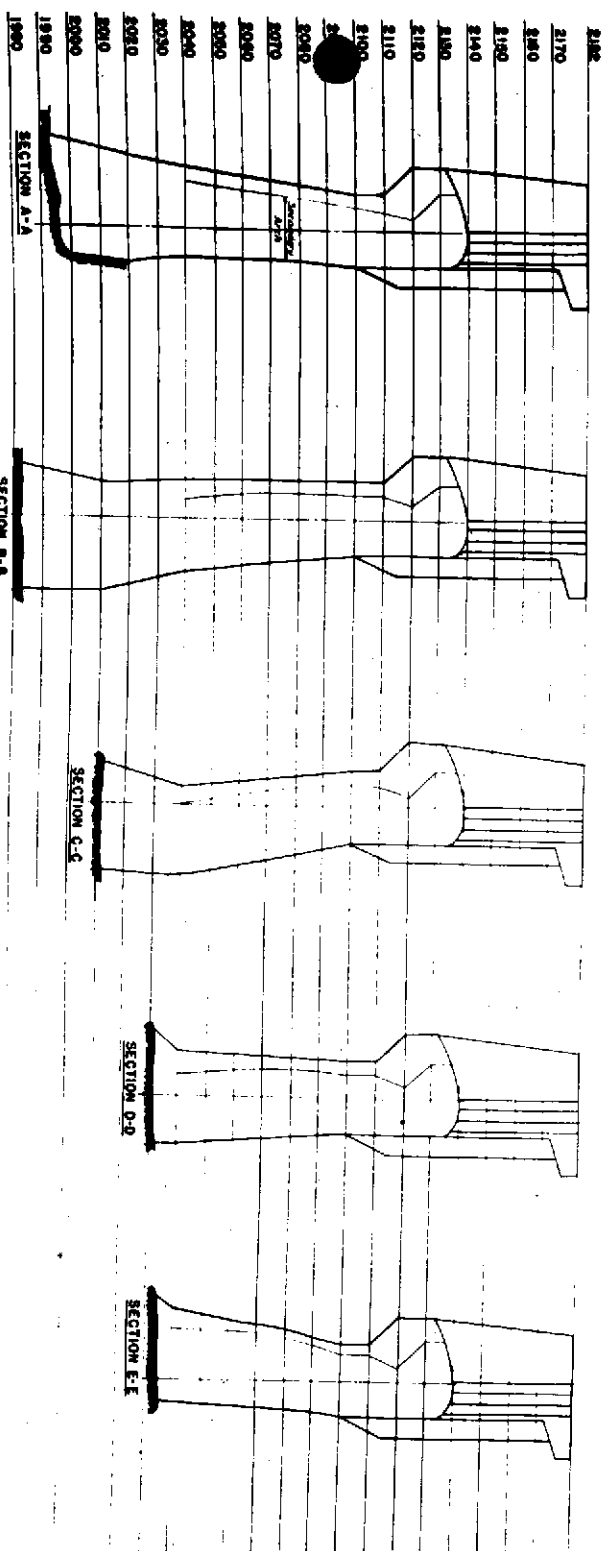
MARK & DUFF
 CIVIL ENGINEERS
 3111 N. 10TH AVE.
 ANCHORAGE, ALASKA 99503
 MAR 20 1952

THE WASHINGTON WATER POWER
 COMMISSION
 DIVISION OF WATER RESOURCES
 1400 15TH AVE. N.E.
 WASHINGTON, D.C. 20002

APPLICATION FOR LICENSE
 FOR THE WASHINGTON WATER
 POWER COMMISSION
 CLASS 1000



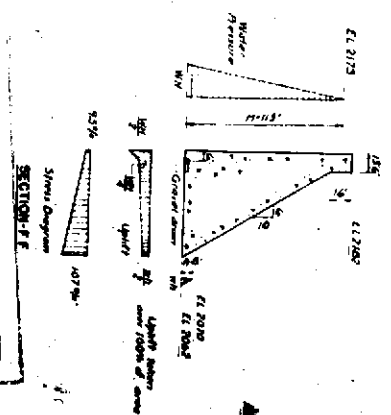
T₁ - Longitudinal component of arch thrust = 112,000,000
 T₂ - Transverse component of arch thrust = 102,000,000
 S - Arch thrust = 88,000,000
 P₁ - Longitudinal water load = 16,500,000
 P₂ - Transverse water load = 15,500,000
 U - Uplift = 2,200,000
 W - Wt of block = 113,000,000



Original EL 2060
 ARCH RINGS
 SCALE 1" = 20' 0"

ARCH SECTIONS

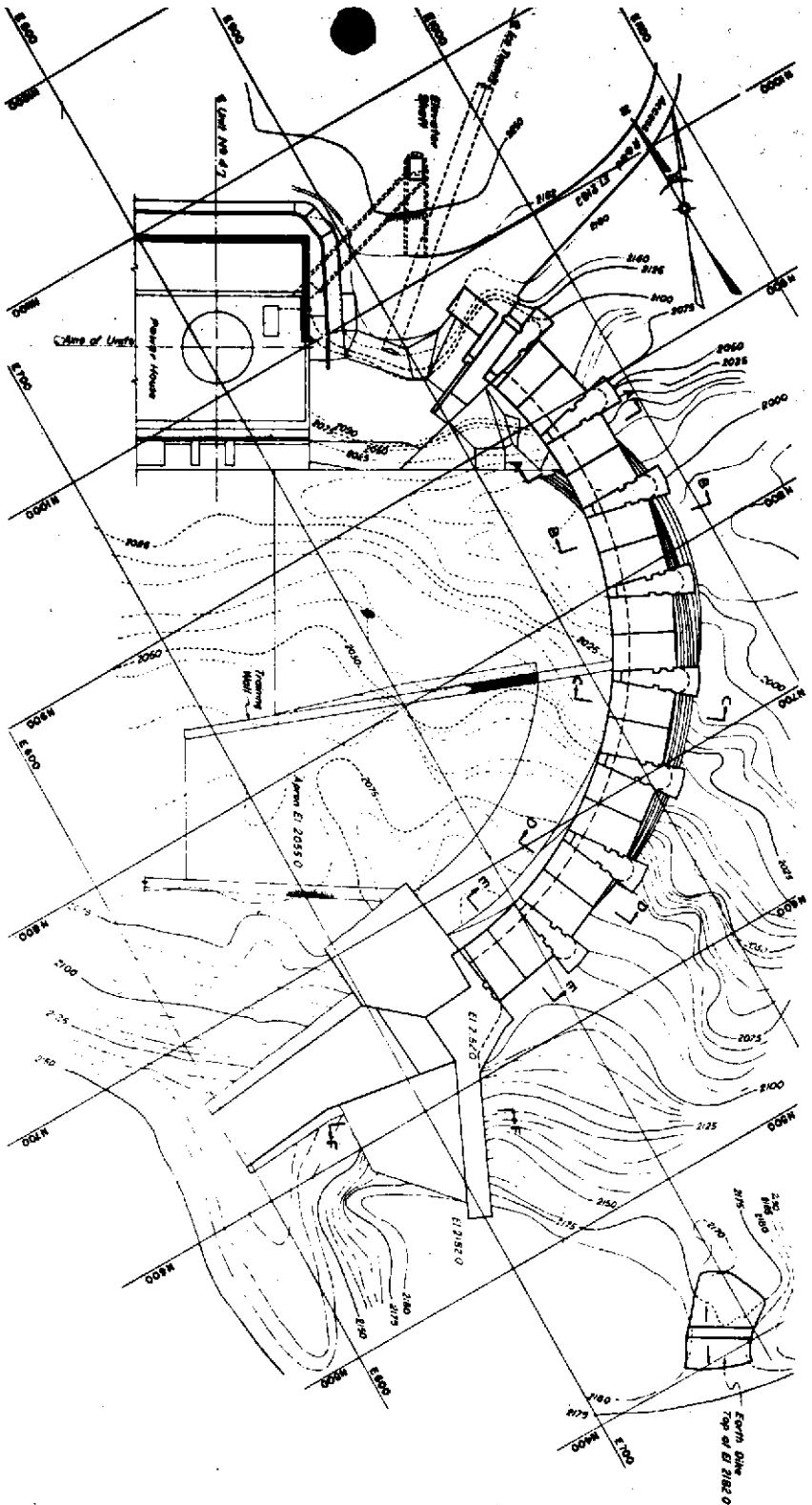
SCALE 1" = 20' 0"



MAR 20 1952
 SECTION ENGINEER
 Mark R. Dwyer

THE WASHINGTON WATER POWER & LIGHT CO.
 CLARK FORD ENGINEER

APPLICATION FOR APPROVAL OF DAM
 NAME SITE ADDRESS OF ENGINEER
 PROJECT NO. 2772 A 11100
 CLARK FORD ENGINEER



PLAN

Imp. Arch - Arch Dam

Arch Dam - Thrust Block



DEVELOPED PROFILE ON BASE CIRCLE OF ARCH

SCALE: 1"=100'

NOTES
These structures have been designed for full
level of E 2175.0
The analysis of this work is based on methods
developed by W. C. Carr.

MAR 20 1952

Mark R. Kelly
STATE RECLAMATION ENGINEER

THE WASHINGTON WATER POWER CO.

APPLICATION FOR REPAIRS OF DAM
AND OTHER STRUCTURES OF WASHINGTON
REPAIR NO. 2175.0 & 2175.0
CLARK POWER ENGINE

NATIONAL SURETY CORPORATION

NEW YORK

VINCENT CULLEN
PRESIDENT

KNOW ALL MEN BY THESE PRESENTS, That we, The Washington Water Power Company of Spokane, Washington, as principal, and National Surety Corporation, a corporation organized and existing under the laws of the State of New York, and authorized to do business in the State of Idaho, as surety, are held and firmly bound unto the State of Idaho, in the full and just sum of One Thousand & no/100 (\$1000.00) Dollars, lawful money of the United States, to the payment of which sum, well and truly to be made, said principal and surety bind themselves, their heirs, administrators, executors and assigns, jointly and severally, under the terms and conditions hereinafter set forth.

The terms of this obligation are such that, whereas the above named principal on the 7th day of Nov. 19 50 filed in the office of the Commissioner of Reclamation in Boise, Idaho, a certain application for permit to appropriate the public waters of the State of Idaho, the said application being thereupon numbered No. 2 9491 in accordance with which said application the Commissioners of Reclamation granted and issued to the said principal herein a certain permit Numbered No. 21828, a full, true and complete copy of which application No. 29491 and Permit No. 21828, is of record ✓ in the office of the Commissioner of Reclamation in Book 78 of Permits at Page 21828

Now, if the above bounden principal shall faithfully carry to completion the said works of diversion as specified in said application No. 29491 and permit No. 21828, in the manner and form prescribed therein and within the time therein allowed, then the above obligation to be void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF the said Principal and surety have hereunto set their hands and seals, this 15th day of January, 1951.

21828

NATIONAL SURETY CORPORATION

NEW YORK

VINCENT CULLEN
PRESIDENT

WASHINGTON WATER POWER COMPANY

By

M. D. Lindsay
SECRETARY

By

NATIONAL SURETY CORPORATION

By

M. D. Lindsay
Attorney in fact

By

J. B. Thompson
Attorney in fact

Countersigned by

Geo. Walker
Resident Agent, Idaho

RECEIVED
JAN 20 1951

Department of Reclamation

218 28

UNITED STATES OF AMERICA
FEDERAL POWER COMMISSION

Before Mon C. Wallgren, Chairman; Thomas C. Buchanan, Claude L.
Commissioners: Draper, Nelson Lee Smith and Harrington Wimberly.

January 9, 1951

In the Matter of)

The Washington Water Power Company)

Project No. 2058

JAN 13 1951

Department of Reclamation

ORDER DISMISSING APPLICATION FOR PRELIMINARY PERMIT
AND ISSUING LICENSE (MAJOR)

Application was filed November 9, 1950 by The Washington Water Power Company of Spokane, Washington, for license under the Federal Power Act for the proposed Cabinet Gorge hydroelectric development, designated as Project No. 2058, to be located on the Clark Fork River about 9 miles upstream from Pend Oreille Lake, in Bonner County, Idaho, and Sanders County, Montana, and affecting public lands and lands of the United States within the Cabinet National Forest. The project transmission lines would be located in Bonner and Kootenai Counties, Idaho, and Spokane County, Washington.

Inasmuch as the above-mentioned application for license supersedes an application filed by the same applicant on September 11, 1950 for preliminary permit for the same proposed project, the latter application should be dismissed as hereinafter provided.

The proposed project would consist of:

- (a) All lands constituting the project area and enclosed by the project boundary or the limits of which are otherwise defined and/or interest in such lands necessary or appropriate for the purpose of the project, whether such lands or interest therein are owned or held by the applicant or by the United States; the general location of such project area and project boundary being tentatively shown and described by a certain exhibit which formed part of the application for license and which is designated and described as follows:

Exhibit J - Sheet 1 of 1 (Dwg. No. F106405) (FPC No. 2058-2)
entitled "Cabinet Gorge H.E. Development General
Map" signed The Washington Water Power Co. by
K. M. Robinson, President on November 6, 1950.

- (b) Principal structures, comprising a reinforced concrete dam with crest gates at the Cabinet Gorge site creating a reservoir approximately 20 miles long with area of about 2,700 acres and

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1/9/51

normal water surface at elevation 2,175 feet at the dam; intake works; four tunnel penstocks each approximately 480 feet long; a powerhouse approximately 300 feet downstream from the dam with provisions for four units (three of which would be installed initially) each consisting of a turbine with capacity of 70,500 horsepower and a generator with capacity of about 50,000 kilowatts; transformers, circuit breakers, and switching structures; a 230-kilovolt transmission line connecting the plant with the applicant's transmission system at Spokane, Washington; and appurtenant facilities; the location, nature, and character of which are more specifically shown and described by the exhibit hereinbefore cited and by certain other exhibits which also formed part of the application for license and which are designated and described as follows:

Exhibit L - Drawings in 5 sheets signed The Washington Water Power Company by K. M. Robinson, President on November 6, 1950 comprising:

Sheet 1 (Dwg. No. F-106406) (FPC No. 2058-3) entitled "Cabinet Gorge H.E. Development General Plan";

Sheet 2 (Dwg. No. F-106407) (FPC No. 2058-4) entitled "Cabinet Gorge H.E. Development General Plan Sections";

Sheet 4 (Dwg. No. F-106409) (FPC No. 2058-6) entitled "Cabinet Gorge H.E. Development Power House Plans and Cross Sections";

Sheet 5 (Dwg. No. F-106410) (FPC No. 2058-7) entitled "Cabinet Gorge H.E. Development Powerhouse - Longitudinal Section & Elevation";

Sheet 6 (Dwg. No. F-106411) (FPC No. 2058-8) entitled "Cabinet Gorge H.E. Development on line wiring diagram";

Exhibit M - Statement in two sheets entitled "General Description and Specifications of Equipment" signed The Washington Water Power Company by K. M. Robinson, President on November 6, 1950.

- (c) All other structures, fixtures, equipment or facilities used or useful in the construction, operation and maintenance of the project and located on the project area, including such portable property as may be used or useful in connection with the project or any part thereof, whether located on or off the project area, if and to the extent that the inclusion of such property as a part of the project is approved or acquiesced in by the Commission; also, all riparian or other rights, the use or possession of which is necessary or appropriate in the maintenance and operation of the project.

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The Chief of Engineers, Department of the Army, the Secretary of the Interior, and the Chief, Forest Service, acting for the Secretary of Agriculture, have reported favorably on the application as hereinafter provided.

In the Matter of Project No. 1869, The Montana Power Company, the Commission found that the Clark Fork River is a navigable water of the United States at least from Pend Oreille Lake in the State of Idaho to the mouth of the Joeko River in the State of Montana.

The Commission finds:

- (1) Dismissal of the above-mentioned application for preliminary permit for the proposed project is appropriate and desirable as hereinafter provided.
- (2) The applicant is a corporation organized under the laws of the State of Washington, is qualified to and is doing business in and under the laws of the States of Washington and Idaho, and, if necessary, should qualify to do business in the State of Montana.
- (3) No conflicting application is before the Commission. Public notice has been given as required by the Act.
- (4) The project does not affect any Government dam, nor will the issuance of a license therefor as hereinafter provided affect the development of any water resources for public purposes which should presently be undertaken by the United States itself.
- (5) The issuance of a license for the project as hereinafter provided will not interfere or be inconsistent with the purposes of any reservation or withdrawal of public lands of the United States, or with the purposes for which the Cabinet National Forest was created or acquired.
- (6) Under present circumstances and conditions and upon the terms and conditions hereinafter imposed, the project is best adapted to a comprehensive plan for the improvement and utilization of water-power development, and for other beneficial public uses, including recreational purposes.
- (7) The installed horsepower capacity of the project hereinafter authorized is 282,000 horsepower, and the energy generated thereby will be used for public utility purposes.
- (8) The proposed 230-kv transmission line extending from the project approximately 80 miles southwesterly to Spokane, Washington, is a primary line as the term is defined in Section 3(11) of the Act, and should, if constructed, be included in the license for the project.

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- (9) In accordance with Section 10(d) of the Act, the rate of return upon the net investment in the project, and the proportion of surplus earnings to be paid into and held in amortization reserves, are reasonable as hereinafter specified.
- (10) The amount of annual charges to be paid under the license for the purpose of reimbursing the United States for the costs of administration of Part I of the Act, and for recompensing it for the use, occupancy, and enjoyment of its lands, exclusive of those to be occupied by any transmission line rights-of-way, is reasonable as hereinafter fixed and specified.
- (11) The above-described and designated exhibits filed as part of the application for license conform to the Commission's rules and regulations and should be approved as part of the license for the project.
- (12) Exhibit K, detail map of project area, in conformity with the Commission's rules and regulations, should be filed by applicant as hereinafter provided.

The Commission orders:

- (A) The aforesaid application for preliminary permit for proposed Project No. 2058 is hereby dismissed.
- (B) This license issued to The Washington Water Power Company for a period of 50 years for the construction, operation and maintenance of Project No. 2058 upon navigable waters and lands of the United States, subject to the terms and conditions of the Federal Power Act (hereinafter referred to as the Act), which is hereby incorporated by reference as a part of this license, and subject to such rules, and regulations as the Commission has issued or prescribed under the provisions of the Act.
- (C) This license shall also be subject to the standard terms and conditions set forth in Form L-6 (September 22, 1950), entitled "Standard Terms and Conditions of License for Unconstructed Major Project Affecting Navigable Waters and Lands of the United States", which standard terms and conditions are incorporated herein by reference and made a part hereof; and subject to the following special conditions:
 - (1) The licensee shall commence construction of the project on or before March 1, 1951, shall thereafter with due diligence prosecute such construction, and shall complete the project with installation of three units on or before December 31, 1952, and shall at such time as the Commission may direct and to the extent it is economically sound and in the public interest to do so, after notice and opportunity for hearing, complete the project to its ultimate development.

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- (2) The licensee shall prior to flooding clear all lands in the bottoms and margins of reservoirs up to highwater level, shall clear and keep clear to an adequate width lands of the United States along open conduits, and shall dispose of all temporary structures, unused timber, brush, refuse, or inflammable material resulting from the clearing of the lands or from the construction and maintenance of the project works. In addition, all trees along the margins of reservoirs which may die during operation of the project shall be removed. The clearing of the lands and the disposal of the material shall be done with due diligence and to the satisfaction of the authorized representative of the Commission.
- (3) The licensee shall within one year from the date of acceptance of this license file with the Commission Exhibits F and K, Detail Map of Project Area including transmission line, in conformity with the Commission's rules and regulations.
- (4) The Commission reserves the right to adjust the normal reservoir elevation of the Cabinet Gorge project at such time as the proposed Noxon Rapids project located upstream is constructed, to make the most economical use of water resources of the Clark Fork River after notice and opportunity for hearing.
- (5) The Commission reserves the right to impose such reasonable rules and conditions in the interest of conservation of fish and wildlife as may be hereafter prescribed by the Commission.
- (6) The licensee shall reimburse the United States for engineering work performed by the Bureau of Reclamation and the Corps of Engineers in connection with the Cabinet Gorge development and utilized by the licensee in design and construction of this project as determined by the Commission.
- (7) The licensee shall pay to the United States the following annual charges:
 - (i) For the purpose of reimbursing the United States for the costs of administration of Part I of the Act, one (1) cent per horsepower on the authorized installed capacity (282,000 horsepower), plus two and one-half ($2\frac{1}{2}$) cents per 1,000 kilowatt-hours of gross energy generated by the project during the calendar year for which the charge is made;
 - (ii) For the purpose of recompensing the United States for the use, occupancy, and enjoyment of its lands, exclusive of those used for transmission line rights-of way, \$2,571.62; and

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1/9/51

(iii) For the purpose of recompensing the United States for the use, occupancy, and enjoyment of its lands for transmission line rights-of-way only, an amount to be hereafter determined.

- (D) The exhibits referred to in paragraphs (a) and (b) above are approved as part of this license.
- (E) This order shall become final 30 days from the date of its issuance unless application for rehearing shall be filed within the 30-day period provided by Section 313(a) of the Act.
- (F) The license shall be accepted and returned to the Commission within 60 days from date of issuance of this order.

By the Commission.

Leon M. Fuquay,
Secretary.

Date of Issuance: January 10, 1950

21828

IN TESTIMONY OF ACCEPTANCE of all the provisions, terms and conditions of the license, The Washington Water Power Company, this _____ day of _____, 1951, has caused its corporate name to be signed hereto by _____, its _____ President, and its corporate seal to be affixed hereto and attested by _____, its _____ Secretary, pursuant to a resolution of its Board of Directors duly adopted on the _____ day of _____, 1951, a certified copy of the record of which is attached hereto.

THE WASHINGTON WATER POWER COMPANY

By _____
President

Attest:

Secretary

(Executed in quadruplicate)

21828

December 28, 1950

Re: Permit No. 21828

Mr. B. J. Lindsay, Secretary
The Washington Water Power Company
Box 1445
Spokane, Washington

Dear Mr. Lindsay:

We enclose Permit No. 21828 for your
additional filing on water from Clark Fork River.

We direct attention to the limitations and
conditions of this Permit, and especially to the re-
quirement that a Bond in the amount of \$1,000.00 be
furnished on or before February 26, 1951.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

A:bh
Enc.

21828

December 6, 1950

Re: Application No. 29491

Mr. B. J. Lindsay, Secretary
The Washington Water Power Company
P. O. Box 1448
Spokane 6, Washington

Dear Mr. Lindsay:

We acknowledge receipt of your letter of December 4, 1950, enclosing Affidavit of Publication in the Sandpoint News-Bulletin, in connection with your application for Permit filed November 7, 1950.

The last date for protest on this application is December 17, 1950, and if no protests are filed, the application will be approved and Permit issued in regular course.

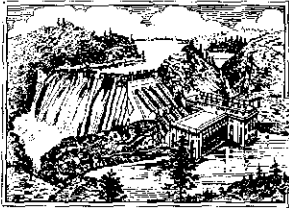
Very truly yours,

MARK H. KULP
State Reclamation Engineer
By

Chief Clerk

A:hh

21828



THE WASHINGTON WATER POWER COMPANY

P. O. DRAWER 1445

SPOKANE 6, WASHINGTON

B. J. LINDSAY, SECRETARY

December 4, 1950

RECEIVED
SEC. 8
DEPARTMENT OF RECLAMATION

Mr. Mark R. Kulp
State Reclamation Engineer
State of Idaho
Department of Reclamation
Boise, Idaho

Dear Mr. Kulp:

We now enclose herewith the Affidavit of Publication by the Sandpoint News-Bulletin. This pertains to the publication of the Company's application for the water right dated November 7, 1950.

We trust that you will find all in due form.

Yours very truly,

B. J. Lindsay
B. J. LINDSAY

BJL:lc
Enc.

21828

Affidavit of Publication

STATE OF IDAHO, }
County of Bonner, } ss.

L. E. Pietsch being first duly sworn on
oath deposes and says that he is Publisher
of The Sandpoint News-Bulletin, a weekly
newspaper printed and published at Sandpoint,
Bonner County, Idaho; that the said Sandpoint
News-Bulletin has been continuously and unin-
terruptedly published in said Bonner County
during a period of 18 months or 78 weeks
prior to the first publication of the hereto
attached notice for publication in the case of
Notice of Application to Appropriate
the public waters of the State of Idaho
in accordance with the provisions of
section 42-203, Idaho Code; Washington
Water Power Co.

as it was published in the regular and entire issue
of the said paper for a period of Three

day of November, 1950, and end-
ing on the 30th day of November,
1950, and that said notice was published in said
newspaper, and not in supplemental form.

L. E. Pietsch

Subscribed and sworn to before me this
2nd day of December, 1950.

J. Ann La Monaca
Notary Public for Idaho,
Residing at Sandpoint, Idaho.

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
NOTICE OF APPLICATION TO AP-
PROPRIATE THE PUBLIC WATERS
OF THE STATE OF IDAHO IN AC-
CORDANCE WITH THE PROVI-
SIONS OF SECTION 42-203, IDAHO
CODE.

NOTICE IS HEREBY GIVEN That
on the 7th day of November, 1950, the
Washington Water Power Company,
of Spokane, Washington, made appli-
cation to appropriate Ten Thousand
(10,000) cubic feet per second of the
waters of Clark Fork River, a tribu-
tary of Columbia River, for the de-
velopment of hydroelectric power and
energy.

That the point of diversion of said
waters is described as being approxi-
mately Twelve Hundred (1,200) feet
East of the center line of Section 27,
Township 55 North, Range 3 East, B.
M., and in Lots 2 and 7 of said Sec-
tion.

That the point of use of said water
is the same as the point of diversion.

That any protest against the ap-
proval of this application must be filed
in the Department of Reclamation, at
Boise, Idaho, within forty (40) days
from the date of this notice, and such
protest shall state the name and ad-
dress of the protestant, and shall
clearly set forth his objections to the
approval of said application.

Dated this 7th day of November,
1950.

MARK R. KULP,
State Reclamation Engineer.
SERVICE OF THE FOREGOING,
By copy, is hereby acknowledged this
9th day of November, 1950.

WASHINGTON WATER
POWER COMPANY,
By B. J. Lindsay
Its Secretary.

n16-23-30.

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21828

November 18, 1950

Re: Application No. 29491

The Sandpoint News-Bulletin
Sandpoint, Idaho

Gentlemen:

We acknowledge receipt of the copy of your issue of November 14, 1950, containing notice of the application of the Washington Water Power Company.

This notice is correct as far as it goes, but you should also include the dates of first and last publication and the last date for protest, as given on the bottom of the copy.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

A:bn

21828

App. 29491

✓
November 13, 1950

The Sandpoint News-Bulletin
Sandpoint, Idaho

Gentlemen:

We enclose copy for publication once a week
for three consecutive weeks, beginning with your next
issue.

The cost of publication is to be paid by the
Washington Water Power Company, P. O. Box 1445, Spokane 6,
Washington, to whom please send Affidavit of Publication,
together with statement of costs.

Please acknowledge receipt of this Notice, and
furnish this Department with a copy of the first issue
containing same.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

A:bn
Enc.

21828

✓
November 13, 1950

Re: Application No. 29491

Mr. B. J. Lindsay, Secretary
The Washington Water Power Company
P. O. Box 1445
Spokane 6, Washington

Dear Mr. Lindsay:

We have today sent a copy of the Notice in connection with the above numbered Application to the Sandpoint News-Bulletin with instructions to publish it once a week for three consecutive weeks, and to send you the Affidavit of Publication, together with statement of costs.

Should no protests be filed, the application will be approved and Permit issued in regular course.

Should there be any protests, you will be duly notified before final action is taken.

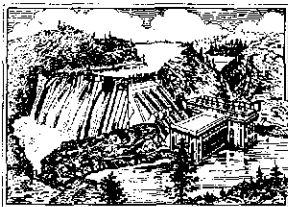
Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

A:bn

21828



THE WASHINGTON WATER POWER COMPANY

P. O. DRAWER 1445

SPOKANE 6, WASHINGTON

B. J. LINDSAY, SECRETARY

November 9, 1950

RECEIVED
NOV 13 1950
U.S. DEPT. OF RECLAMATION

Mr. Mark R. Kulp
State Reclamation Engineer
State of Idaho
Department of Reclamation
Boise, Idaho

Dear Mr. Kulp:

We have this day received from you, your letter of November 7, together with additional papers enclosed therewith.

We now return to you one copy of the Notice of Application to Appropriate the Public Waters of the State of Idaho duly signed by the undersigned as Secretary of The Washington Water Power Company and also we enclose two copies which are in connection with the publication of the notice in the News Bulletin, which we understand is the official paper in Bonner County and is published in Sandpoint, Idaho.

Yours very truly,

B. J. Lindsay
B. J. LINDSAY

BJL:lc
Enc.

21828

NOTICE TO ACCOMPANY THIS LETTER MUST BE MADE IN DUPLICATE

(Date) November 9, 1950

(P. O.) 1445 - Spokane 6, Washington

TO THE STATE RECLAMATION ENGINEER:

Boise, Idaho.

Dear Sir:

You are hereby authorized to have the attached notice published at ^{our} ~~my~~ expense in the News-Bulletin of Sandpoint, Idaho published in the county in which the works are situated.

THE WASHINGTON WATER POWER COMPANY

By: *R. J. Lindray*

Secretary.

(In case of canals or other works designed to divert and carry more than 50 cubic feet of water per second, the following certificate must be signed by a well-known and competent engineer.)

I hereby certify that the facts set forth in the attached notice are true.

Lester R. Gamble
Engineer.

21828

NOTICE TO ACCOMPANY THIS LETTER MUST BE MADE IN DUPLICATE

(Date).....November 9, 1950.....
(P.O.).....1445 - Spokane 6, Washington.....

TO THE STATE RECLAMATION ENGINEER:

Boise, Idaho.

Dear Sir:

You are hereby authorized to have the attached notice
our
published at my expense in the.....News-Bulletin..... of
.....Sandpoint, Idaho.....published in the county in which
the works are situated.

THE WASHINGTON WATER POWER COMPANY

By:*O. J. Lindray*.....
Secretary

(In case of canals or other works designed to divert and carry more
than 50 cubic feet of water per second, the following certificate
must be signed by a well-known and competent engineer.)

I hereby certify that the facts set forth in the attached notice are
true.

.....*Lester R. Gamble*.....
Engineer.

21828

S T A T E O F I D A H O

D E P A R T M E N T O F R E C L A M A T I O N

NOTICE OF APPLICATION TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF IDAHO
IN ACCORDANCE WITH THE PROVISIONS OF SECTION 42-203, IDAHO CODE.

NOTICE IS HEREBY GIVEN That on the 7th day of November, 1950,
The Washington Water Power Company, of Spokane, Washington, made application
to appropriate Ten Thousand (10,000) cubic feet per second of the waters of
Clark Fork River, a tributary of Columbia River, for the development of
hydroelectric power and energy.

That the point of diversion of said waters is described as being
approximately Twelve Hundred (1,200) feet East of the center of Section 27,
Township 55 North, Range 3 East, B.M., and in Lots 2 and 7 of said Section.

That the point of use of said water is the same as the point of
diversion.

That any protests against the approval of this application must
be filed in the Department of Reclamation, at Boise, Idaho, within forty
(40) days from the date of this notice, and such protest shall state the
name and address of the protestant, and shall clearly set forth his objections
to the approval of said application.

Dated this 7th day of November, 1950.

Mark R Kulp

MARK R. KULP
State Reclamation Engineer

SERVICE OF THE FOREGOING, By copy, is hereby acknowledged this _____
day of November, 1950.

WASHINGTON WATER POWER COMPANY

By _____

Its _____

Date of first publication:
Date of last publication:
Last date for protest: December 17, 1950.

2 1828

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

NOTICE OF APPLICATION TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF IDAHO
IN ACCORDANCE WITH THE PROVISIONS OF SECTION 42-203, IDAHO CODE.

NOTICE IS HEREBY GIVEN That on the 7th day of November, 1950, The Washington Water Power Company, of Spokane, Washington, made application to appropriate Ten Thousand (10,000) cubic feet per second of the waters of Clark Fork River, a tributary of Columbia River, for the development of hydroelectric power and energy.

That the point of diversion of said waters is described as being approximately Twelve Hundred (1,200) feet East of the center of Section 27, Township 55 North, Range 3 East, B.M., and in Lots 2 and 7 of said Section.

That the point of use of said water is the same as the point of diversion.

That any protests against the approval of this application must be filed in the Department of Reclamation, at Boise, Idaho, within forty (40) days from the date of this notice, and such protest shall state the name and address of the protestant, and shall clearly set forth his objections to the approval of said application.

Dated this 7th day of November, 1950.

Mark R. Kulp

MARK R. KULP
State Reclamation Engineer

SERVICE OF THE FOREGOING, By copy, is hereby acknowledged this 9th day of November, 1950.

THE WASHINGTON WATER POWER COMPANY

By *M. A. Lindsay*

Its

SECRETARY.

Date of first publication:

Date of last publication:

Last date for protest: December 17, 1950.

21828

November 7, 1950

Re: Application No. 29491

Mr. B. J. Lindsey, Secretary
The Washington Water Power Company
Box 1445
Spokane, Washington

Dear Mr. Lindsey:

We enclose duplicate copies of Notice in connection with the application of the Washington Water Power Company filed this morning for 10,000 cubic feet per second of water from Clark Fork River.

Please acknowledge service on the original, retaining the duplicate for your own files, and return the original to this Department, together with Form 11 which is your authorization for us to have the notice published at the expense of the Washington Water Power Company, in the designated county newspaper.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

A:bn
Enc.

21828

THE WASHINGTON WATER POWER COMPANY
(Incorporated in Washington)

BALANCE SHEET

July 31, 1950

ASSETS

UTILITY PLANT		\$78,544,983.56
INVESTMENTS:		
Other physical property	\$ 404,460.46	
Miscellaneous securities	16,581.66	
Non-current receivables	<u>202,584.04</u>	
TOTAL INVESTMENTS		623,626.16
CURRENT AND ACCRUED ASSETS:		
Cash in banks	\$1,111,873.06	
Special deposits	2,717.05	
Working funds	64,280.81	
United States Government Securities	149,850.00	
Accounts receivable:		
Customers	1,049,616.35	
Other	266,997.12	
Materials and supplies	840,159.36	
Prepayments	46,621.70	
Other current and accrued assets	<u>22,717.12</u>	
TOTAL CURRENT AND ACCRUED ASSETS		3,554,832.57
DEFERRED DEBITS:		
Retirement work in progress	\$ 154,706.33	
Interchange power account	16,206.00	
Other	<u>401,242.55</u>	
TOTAL DEFERRED DEBITS		572,154.88
CAPITAL STOCK DISCOUNT AND EXPENSE:		
Discount	\$ 120,000.00	
Expense	<u>85,569.40</u>	
TOTAL CAPITAL STOCK DISCOUNT AND EXPENSE		205,569.40
CONTINGENT ASSETS (see contra)		250,000.00
 TOTAL		 <u><u>\$83,751,166.57</u></u>

The accompanying Notes to Financial Statements
should be considered in conjunction with the
above statement.

21828

THE WASHINGTON WATER POWER COMPANY
(Incorporated in Washington)

BALANCE SHEET

July 31, 1950

LIABILITIES

CAPITAL STOCK:

\$6.50 preferred, cumulative, \$100 par;
pari passu with \$6 preferred; author-
ized, 351 shares, convertible into
\$6 preferred; outstanding, none.

\$6 preferred, cumulative, no par (entitled
upon liquidation to \$100 a share); pari
passu with \$6.50 preferred; authorized,
131,247 shares; outstanding, 35,000
shares

\$ 3,496,850.00

Common, no par; authorized, 5,000,000
shares; outstanding, 2,541,800 shares

25,418,000.00

\$28,914,850.00

TOTAL CAPITAL STOCK

LONG-TERM DEBT - First mortgage bonds, 3½%
series, due 1964

19,080,000.00

CURRENT AND ACCRUED LIABILITIES:

Notes payable - Bank

\$ 3,200,000.00

Accounts payable:

Associated companies

9,700.00

Other

1,061,445.09

Matured interest (cash in special deposits)

1,825.00

Customers' deposits

16,895.88

Taxes accrued

4,524,498.08

Interest accrued

119,170.35

Other current and accrued liabilities

66,163.50

TOTAL CURRENT AND ACCRUED LIABILITIES

8,999,697.90

DEFERRED CREDITS:

Interchange power account

\$ 700,538.56

Unamortized premium on debt

247,313.44

Customers' advances for construction

104,813.16

Other

62,550.43

TOTAL DEFERRED CREDITS

1,115,215.59

RESERVES:

Property retirement

\$14,658,145.02

Amortization of utility plant acquisition
adjustments

1,401,048.66

Uncollectible accounts

39,412.48

Inventory adjustment

15,742.00

Injuries and damages

75,002.94

Other

3,192.51

TOTAL RESERVES

16,192,543.61

CONTRIBUTIONS IN AID OF CONSTRUCTION

663,135.99

CONTINGENT LIABILITIES (see contra)

250,000.00

CAPITAL SURPLUS

64,072.00

EARNED SURPLUS (including \$1,269,745.78 to
which Note 4 applies)

8,471,651.48

TOTAL

\$83,751,166.57

The accompanying Notes to Financial Statements should be
considered in conjunction with the above statement.

21828

THE WASHINGTON WATER POWER COMPANY

NOTES TO FINANCIAL STATEMENTS,
JULY 31, 1950

1. Utility plant is stated on the basis of a reclassification required by systems of accounts prescribed by regulatory authorities and includes as of July 31, 1950, utility plant acquisition adjustments - electric of \$3,181,919.16 which is being amortized by charges to income each year at rates aggregating not less than one-fifteenth thereof with concurrent credits to reserve for amortization of utility plant acquisition adjustments.

Condemnation proceedings are pending against the Company relating to certain of its properties in Chelan and Pend Oreille Counties in the State of Washington. The ultimate effect of these proceedings is not presently determinable.

2. The Company has followed generally the retirement reserve method of providing for retirements of property, and while its property retirement provisions do not purport to conform to depreciation allowable for income tax purposes or to be calculated on the basis of specific age-life formulae, the Company, on the basis of present operating conditions and probable useful lives of such properties, believes that current provisions and the accumulated reserve at July 31, 1950, are adequate for the purpose of providing (over the useful lives of depreciable properties) for the retirements of the properties at the expiration of their respective lives.
3. Pending determination by the Bureau of Internal Revenue of the amount of deduction allowable (which may be substantial) for loss sustained by the Company in the liquidation of its investments in Spokane United Railways, no deduction for such loss has been included in the computation of the Federal income tax liability in the Company's accounts and therefore provision for Federal taxes on income for prior years may prove to be substantially in excess of requirements.
4. On June 27, 1939, a declaration filed by the Company with the Securities and Exchange Commission, pursuant to Section 7 of the Public Utility Holding Company Act of 1935, regarding issue and sale of bonds, became effective by order of the Commission. The order provided, among other things, "that, except as this Commission may ... permit, so long as any of the Declarant's First Mortgage Bonds, 3-1/2% Series due 1964, are outstanding, Declarant shall not ... declare or pay any dividends (other than dividends payable solely in shares of stock) or make any other distribution on any shares of its preferred and common stock, nor shall any shares of such stock be purchased, retired, or otherwise acquired, by Declarant ... unless the amount expended by Declarant ... for

maintenance and repairs plus provisions for retirements during the period from July 1, 1939 to the date of the proposed payment of such dividend or making of such distribution or acquisition, plus the net income since July 1, 1939 transferred to the earned surplus of Declarant, over and above the amounts of all such dividends, distributions, and acquisitions, shall equal thirteen and one-half per cent of the gross operating revenues of Declarant ... during such period, after the deduction therefrom of an amount equal to the cost to Declarant of electric energy or gas purchased or resold, and rentals paid for electric or gas generating, transmission, or distribution properties, and water properties, leased by Declarant, and payments by Declarant for the use of similar properties operated and maintained by others during such period".

Guaranty BOND

GIVEN BY

Washington Water Power Company

IN FAVOR OF

State of Idaho



NATIONAL SURETY CORPORATION
NEW YORK

21828