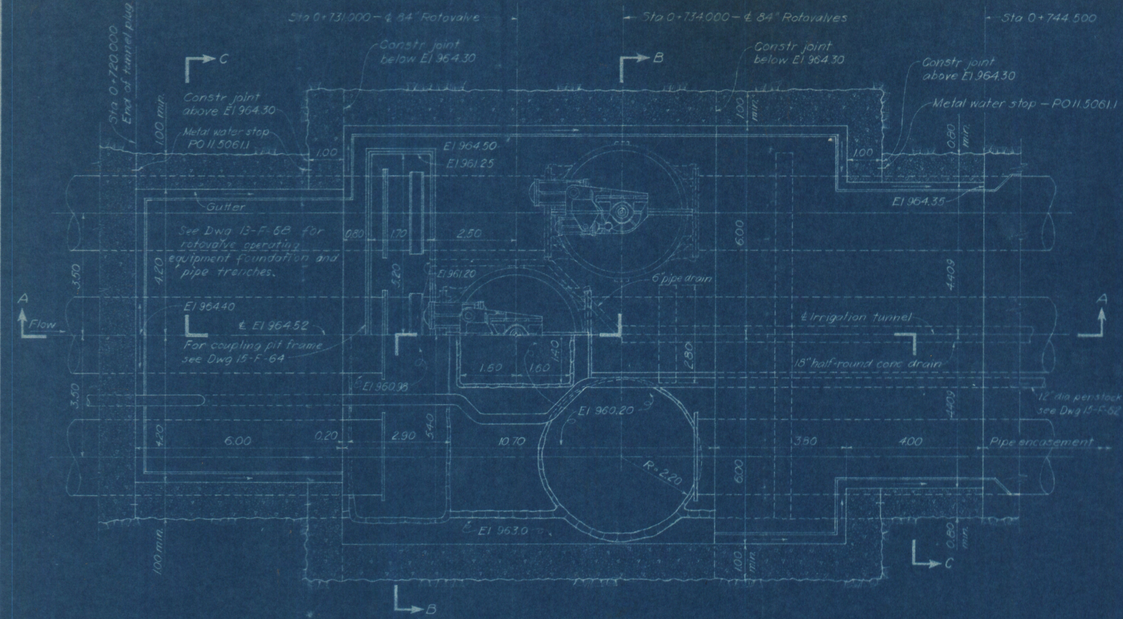
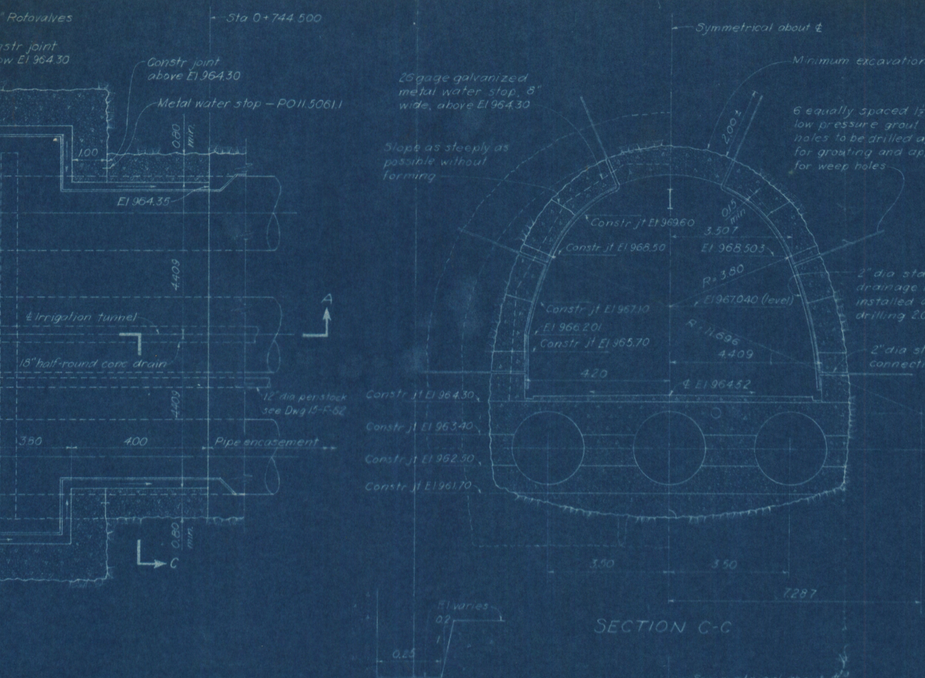
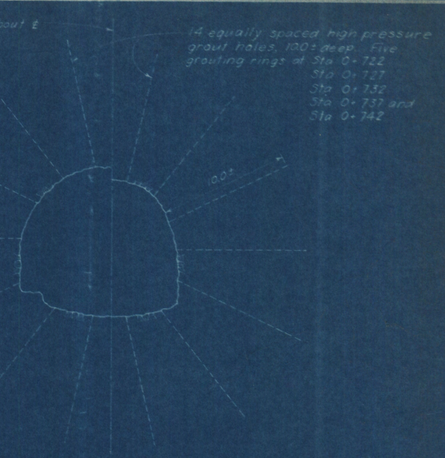




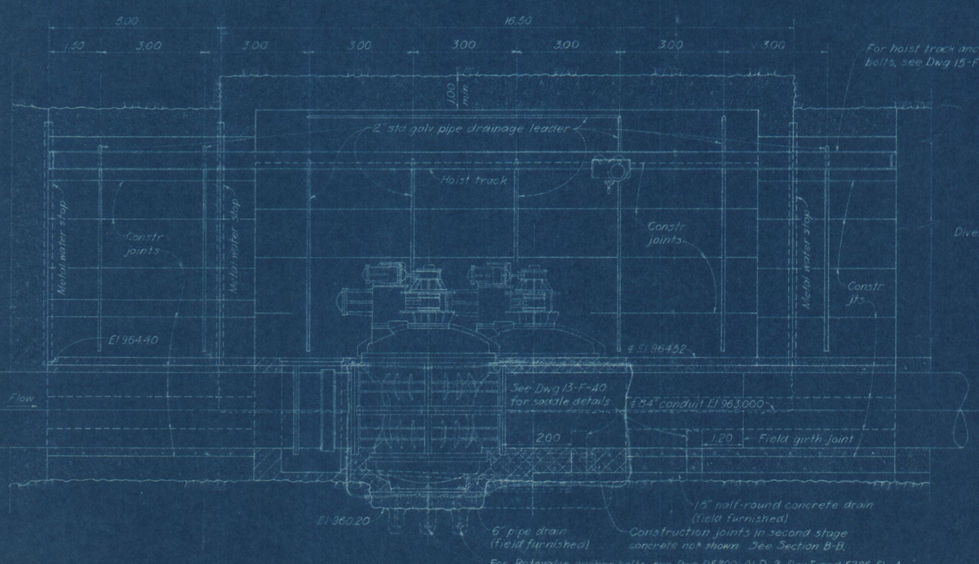


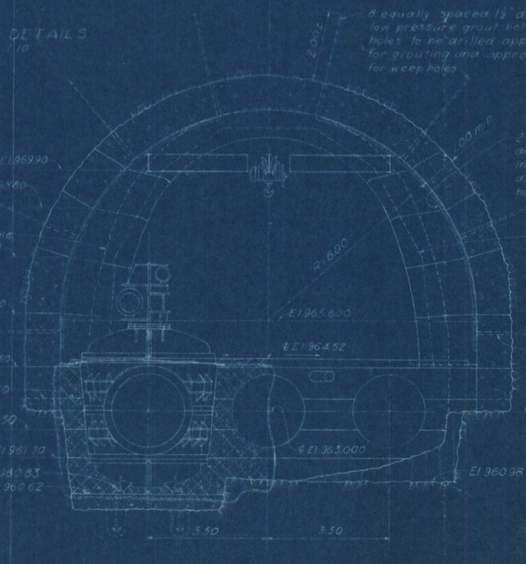
LEGEND
First stage concrete
Second stage standard concrete
Second stage porous concrete

NOTES.
Dimensions and elevations are in meters.
Concrete in the small arches to be placed before the concrete in the large arch with the 84" steel conduits in place.
Concrete in arches shall have a compressive strength at 28 days of not less than 3000 p.s.i.
Additional construction joints as directed in the field.
Additional low pressure grout holes may be provided to obtain good contact between rock and arches.
10 centimeter fillets at all reentrant angles in large arch.
See Dwg 13-F-70 for porous concrete and drains around rotovalves.

REFERENCE DRAWINGS.

General Plan	10-F-7
Diversion Tunnel – Plan and Profile	13-F-1
Irrigation Tunnel	
Steel Conduit	
Concrete Encasement	13-F-40
Assembly and Miscellaneous Details	15-F-53
Testing, Temporary Installation and Details	13-F-55
Plug	13-F-58
Rotovalve Chamber – Hoist and Rail	15-F-52
Piping – Penstock & Conduit Drain	13-F-62
Miscellaneous Metal Works	15-F-64
Electrical	17-F1 & 2
Ventilation System	
Plans and Sections	15-F-59
Details	15-F-60
Valve House and Irrigation Tunnel – Miscellaneous Metal Work	15-F-56
S. MORGAN SMITH CO. – 84" Rotovalve	P5200-ALD-2-Rev I & 5285-EL-4
Irrigation Tunnel – Pipe Trenches and Equipment Foundations	13-F-68





Scale 1:75 except as shown

3	Porous concrete			
	B-14-53	G.J.B.	H.N.W.	Walsh
2	Eq. Fund. & pipe trenches			
	8-21-52	M.A.	H.N.W.	Walsh
1	Anchor bolts			
	5-20-52	G.J.B.	H.N.W.	Walsh
REF NO.	DATE	MADE	CHECKED	APPROVED

MORRISON – KNUDSEN AFGHANISTAN, INC.

KAJAKAI DAM

IRRIGATION TUNNEL ROTOVALVE CHAMBER CONCRETE OUTLINE

INTERNATIONAL ENGINEERING CO., INC.

DESIGNED G.J.B. CHKD. H.N.W.
DRAWN G.J.B. INSP.
SUBMITTED H.N. Walsh Jr.
RECOMMENDED
APPROVED

13-F-61 R3

SAN FRANCISCO, CAL.
DATE MAY 7, 1952

THIS DWG SUPERSEDES DWG 13-F-35