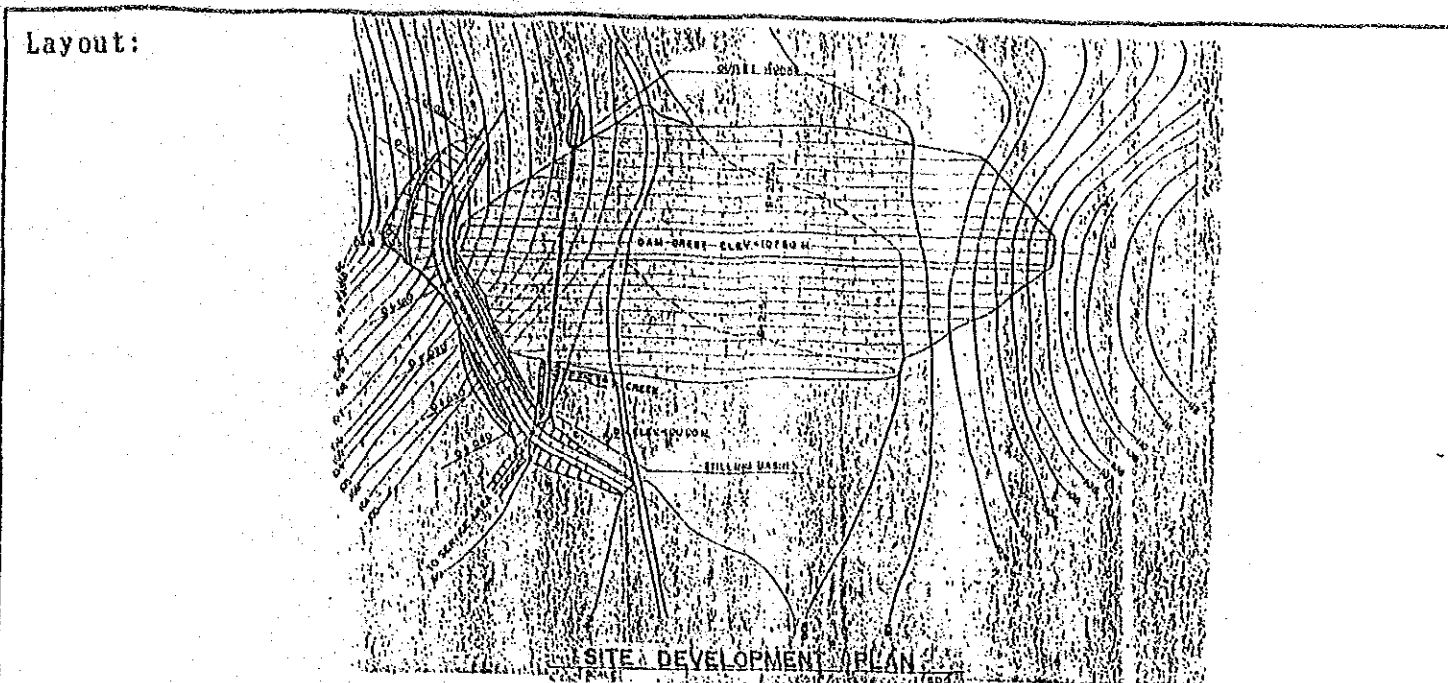
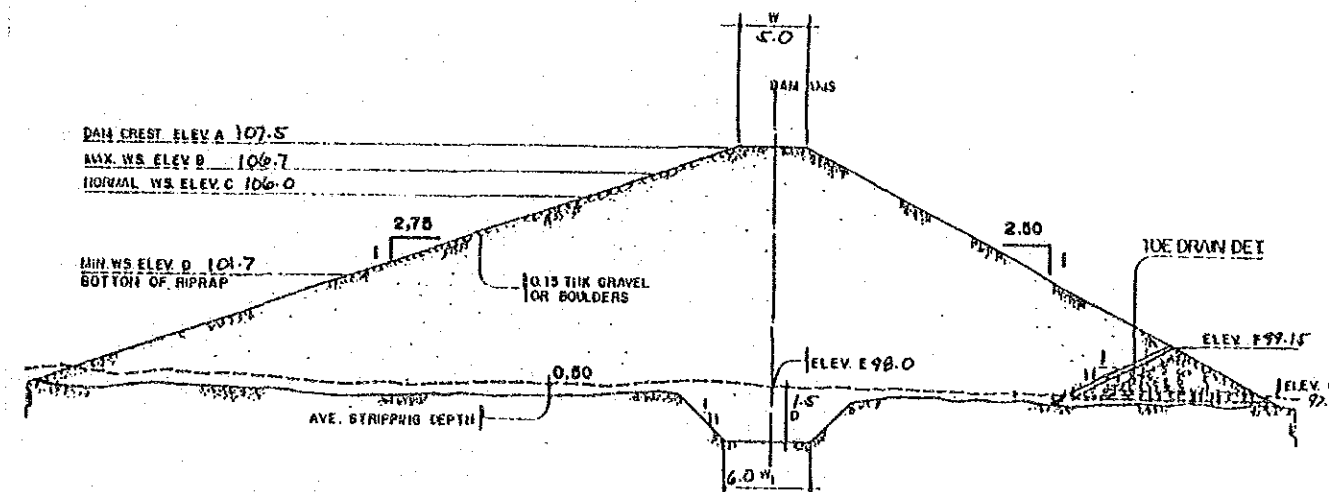


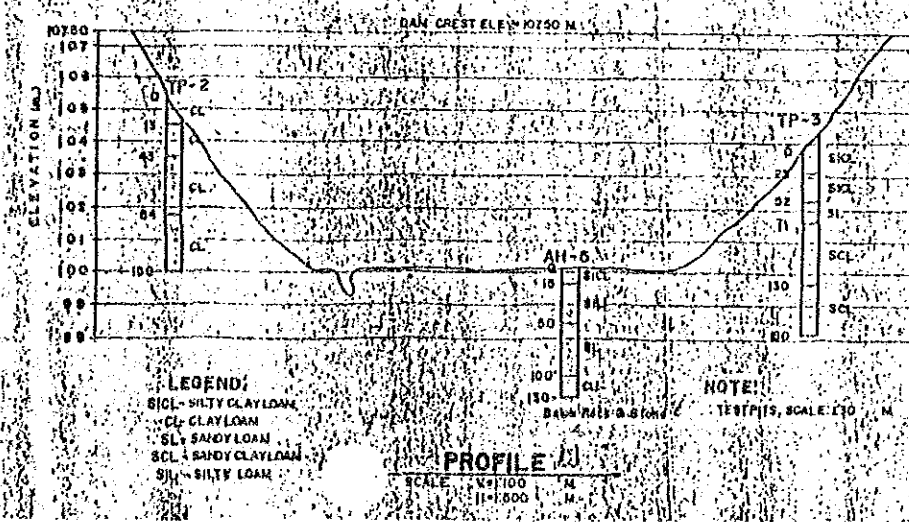
SWIM PROJECT PROFILE		File No. : 194
Regist. No. : Agency No. : BSWM-113	Name: LABOON SWIP	
Region: 8	Province: SOUTHERN LEYTE	Municipality: MAASIN
Present Status: 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	Dam Type : Dam Height : Effective Storage Capacity : Embankment Volume : Design Flood Discharge :	HOMOGENEOUS EARTHFILL 10 m 59,845 m <sup>3</sup> 17,200 m <sup>3</sup> 4 m <sup>3</sup> /sec.
2. Irrigation	Irrigation Area :	25 ha
3. Mini-hydropower	Installed Capacity :	0 kW
4. Watershed Man.	Watershed Protection Area :	12 ha
5. Water Supply	Design Supply Capacity :	0 m <sup>3</sup> /day
6. Inland Fishery	Annual Production :	3 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Centerline of the spillway shall be shifted to right side. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 14.6 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	:	Implementation Schedule:
Dam	: 2,308	Review : -
Irrigation	: 555	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jul. 1998; 6 months
Watershed Protection	: 293	
5. Grand Total	: 3,156	



Typical Dam Section:



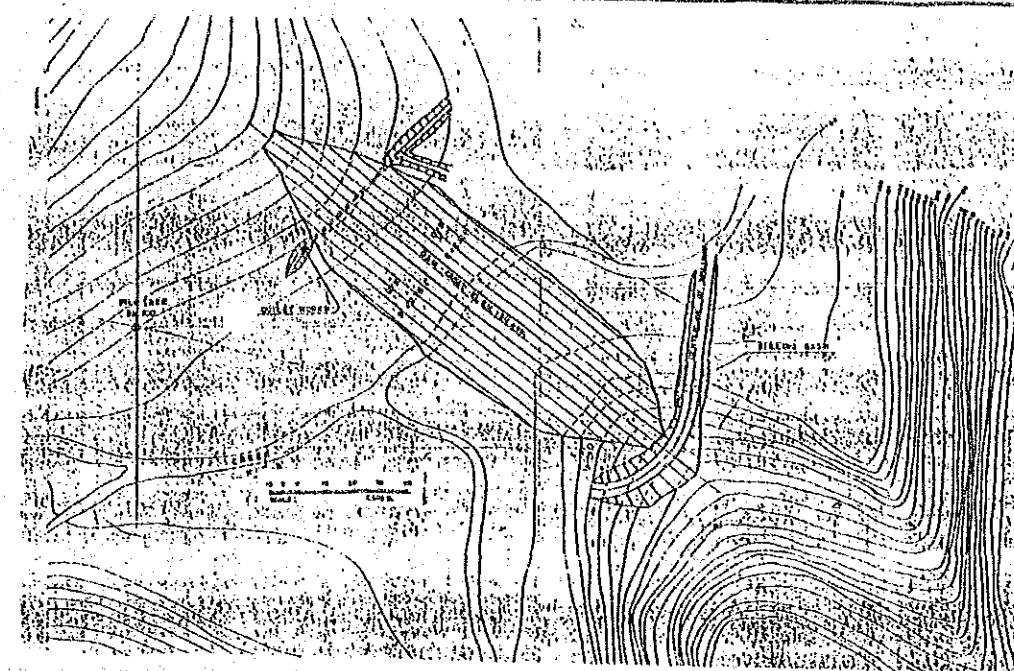
Profile of Dam Axis:



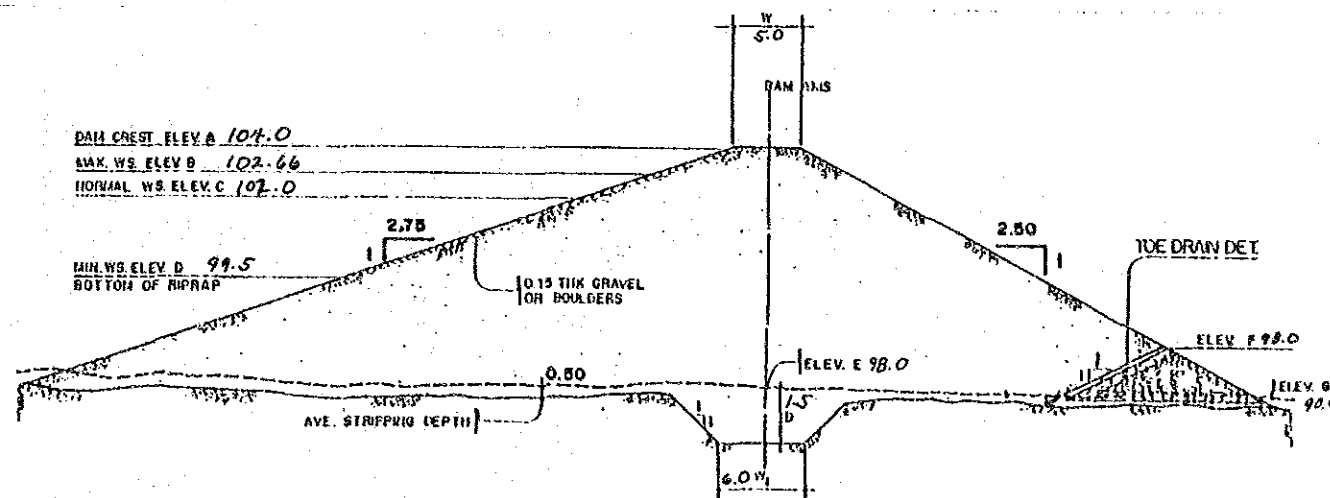
Note: Clay with more than 2.0 m depth is piled up on ultramafic peridotite.

SWIM PROJECT PROFILE		File No. : 195
Regist. No. : Agency No. : BSWM-114	Name: POLANQUI SWIP	
Region: 8	Province: EASTERN SAMAR	Municipality: TAFT
Present Status: 1. Pre-F/S( ) ② F/S(1983) ③ D/D(1983)		
Purposo: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	Dam Type : Dam Height : Effective Storage Capacity : Embankment Volume : Design Flood Discharge :	HOMOGENEOUS EARTHFILL 6 m 70,331 m <sup>3</sup> 9,600 m <sup>3</sup> 10 m <sup>3</sup> /sec.
2. Irrigation	Irrigation Area :	50 ha
3. Mini-hydropower	Installed Capacity :	0 kW
4. Watershed Man.	Watershed Protection Area :	30 ha
5. Water Supply	Design Supply Capacity :	0 m <sup>3</sup> /day
6. Inland Fishery	Annual Production :	6 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Center line of the spillway shall be shifted to right side. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review :	0	EIRR : 33.7 %
2. Feasibility Study :	0	Priority Rating:
3. Detailed Design :	0	Group : A (OECF Candidate)
4. Construction :		Implementation Schedule:
Dam :	1,739	Review : -
Irrigation :	1,109	F/S : Completed
Mini-Hydropower :	0	D/D : Completed
Water Supply :	0	Construction: within 1st 5 years
Watershed Protection :	729	
5. Grand Total :	3,578	

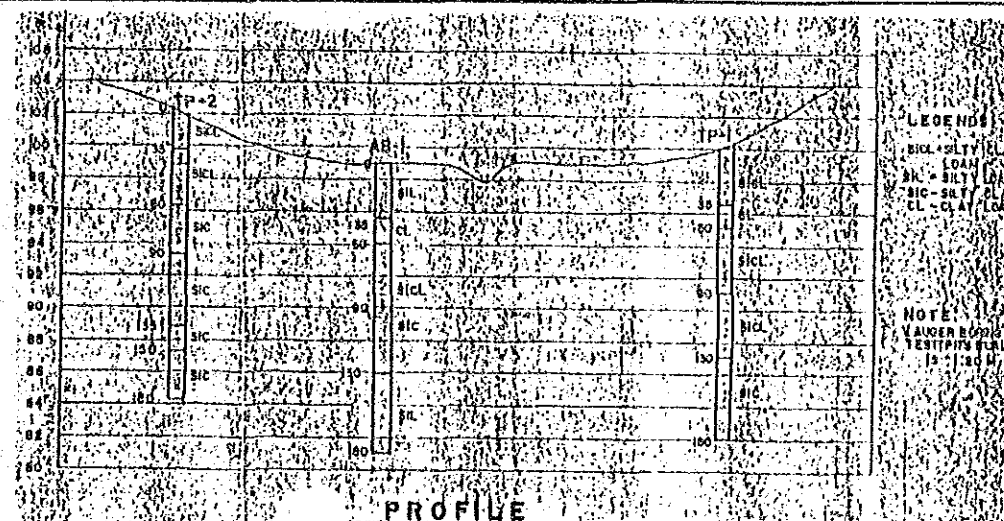
Layout:



Typical Dam Section:



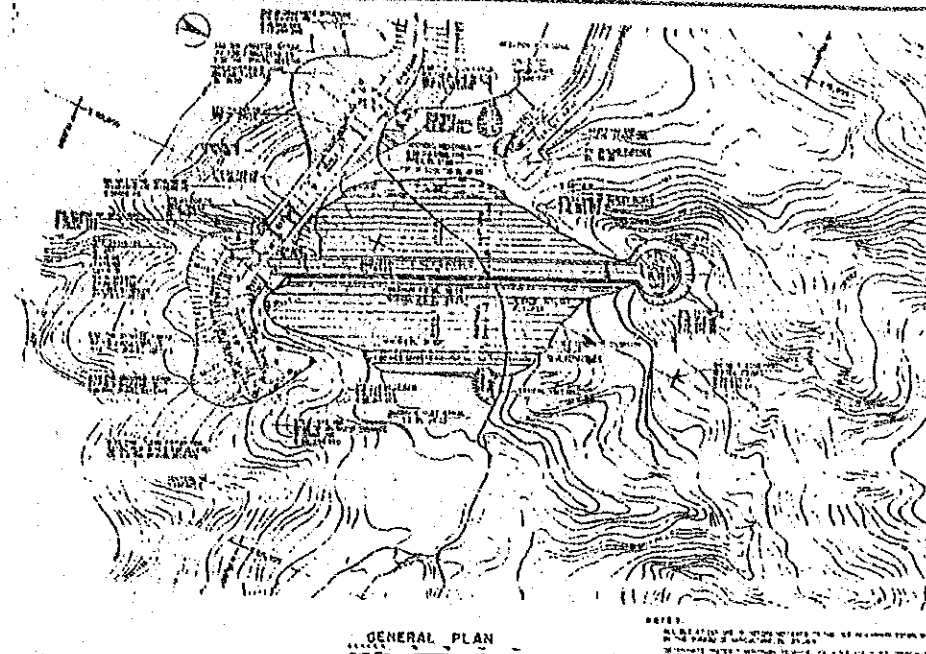
Profile of Dam Axis:



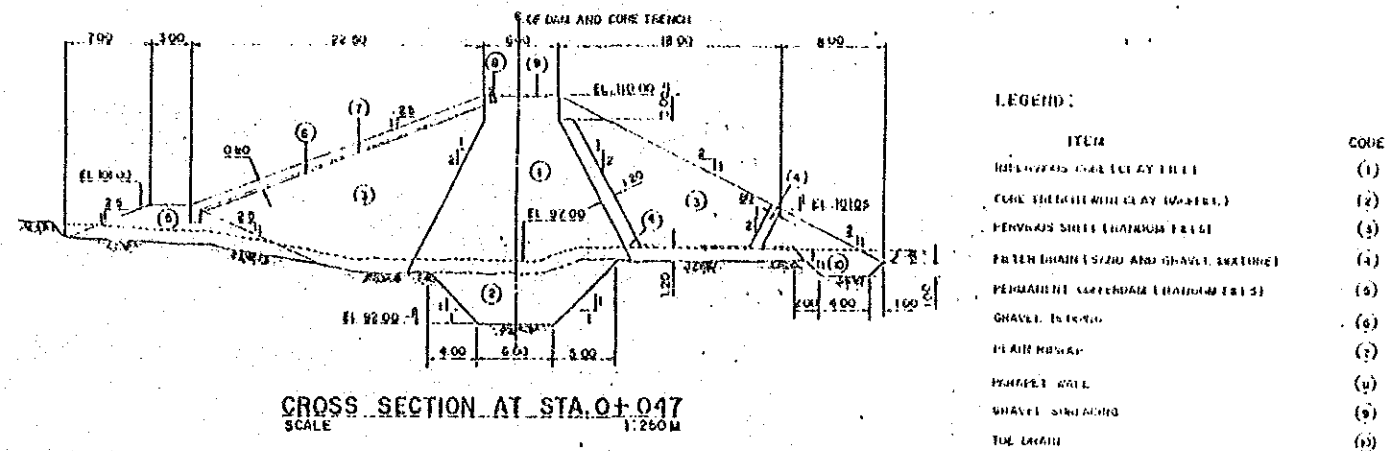
Note: Clay with more than 1.8 m depth is piled up on the sand stone, mud stone and shale.

SWIM PROJECT PROFILE		File No. : 196
Regist. No. : Agency No. : BSWM-115	Name: TABAWAN SWIP	
Region: 8	Province: WESTERN SAMAR	Municipality: TABAWAN, CALBAYOG CITY
Present Status: 1. Pre-F/S( ) (2) F/S(1983) (3) D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 13 m
	: Effective Storage Capacity	: 58,000 m <sup>3</sup>
	: Embankment Volume	: 28,430 m <sup>3</sup>
	: Design Flood Discharge	: 22 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 100 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 78 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 3 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Formulations of both agricultural development plan and irrigation development plan are not mentioned. Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Inlet of the outlet works is recommended to be located in outside of embankment.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 64	EIRR : No data available
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	: 5,746	Implementation Schedule:
Dam	: 2,219	Review : 1993
Irrigation	: 0	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 1,896	Construction: Jul. 2000; 6 months
Watershed Protection	: 0	
5. Grand Total	: 9,924	

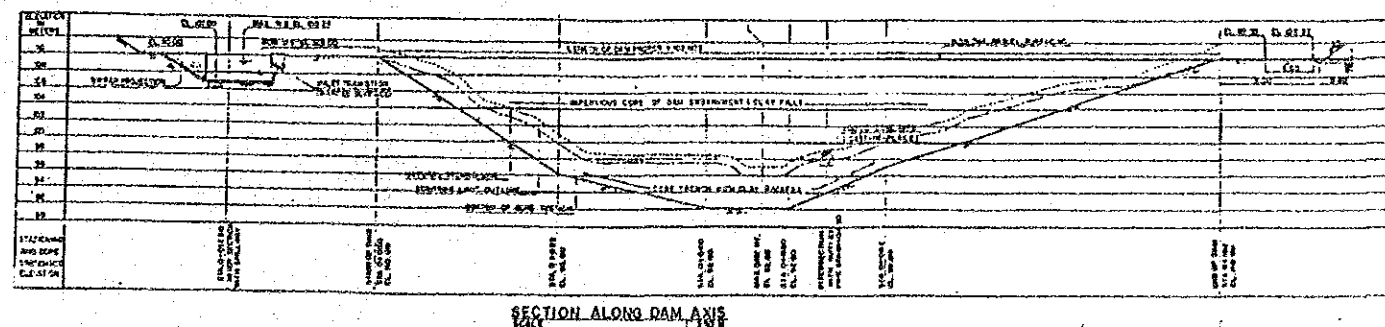
Layout:



Typical Dam Section:



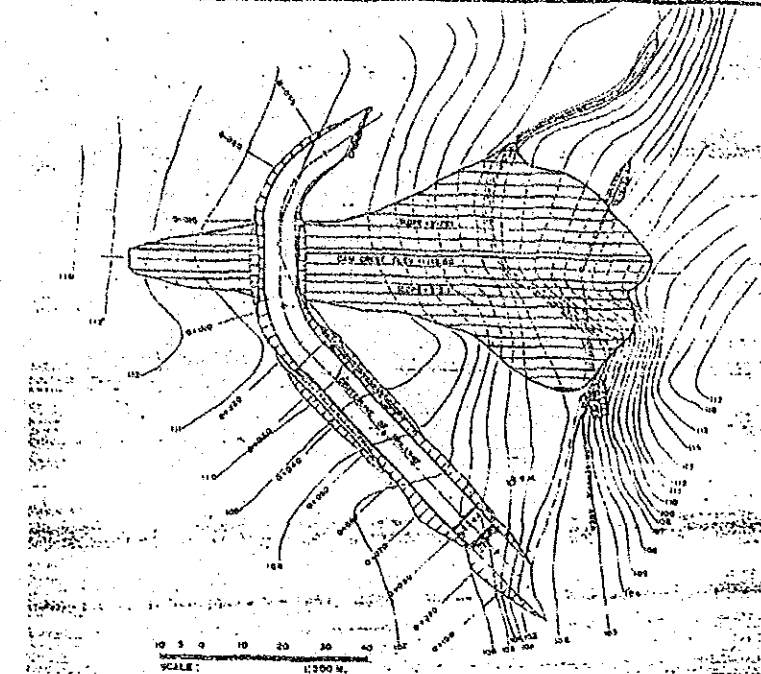
Profile of Dam Axis:



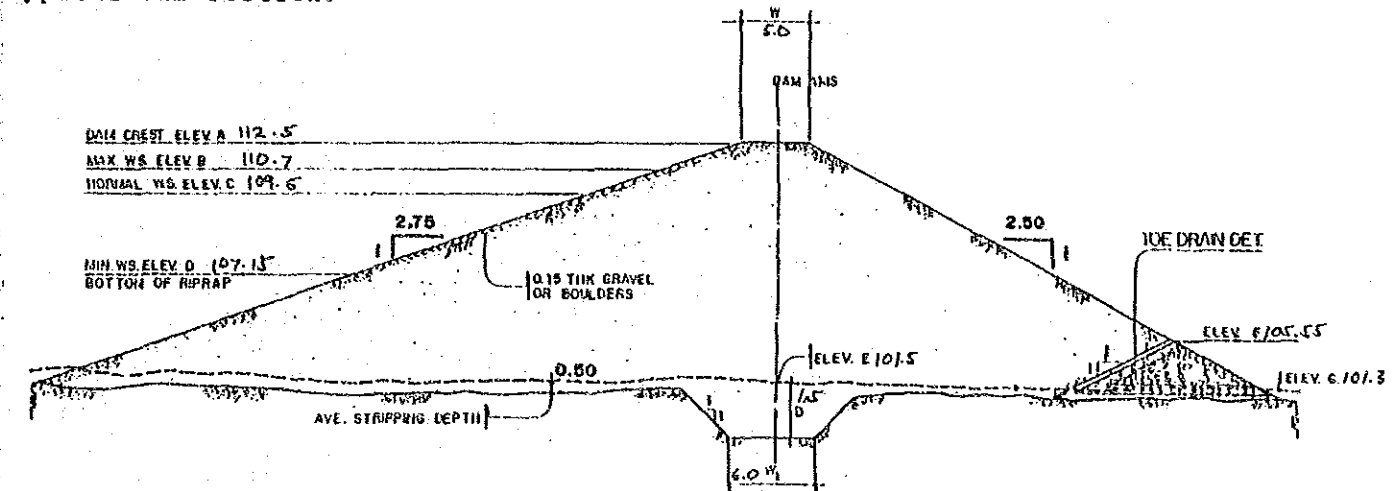
Note: Clay with more than 1.5 m depth is piled up on the andesite and basalt.

SWIM PROJECT PROFILE		File No. : 197
Regist. No. : Agency No. : BSWM-117	Name: WOODLAND SWIP	
Region: 9	Province: ZAMBOANGA DEL SUR	Municipality: BEGONG, DUMALINAO
Present Status: 1. Pre-F/S( ) ② F/S(1983) ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 11 m
	: Effective Storage Capacity	: 66,389 m <sup>3</sup>
	: Embankment Volume	: 12,400 m <sup>3</sup>
	: Design Flood Discharge	: 20 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 100 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 120 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 6 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Compaction near the spillway shall be carefully carried out. Weir shall be provided in the spillway. Center line of conduit is recommended to be straight.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 29.8 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : A
4. Construction	: 3,135	(OECF Candidate)
Dam	: 2,219	Implementation Schedule:
Irrigation	: 0	Review : -
Mini-Hydropower	: 0	F/S : Completed
Water Supply	: 2,918	D/D : Completed
Watershed Protection	: 8,272	Construction: within 1st 5 years
5. Grand Total	: 8,272	

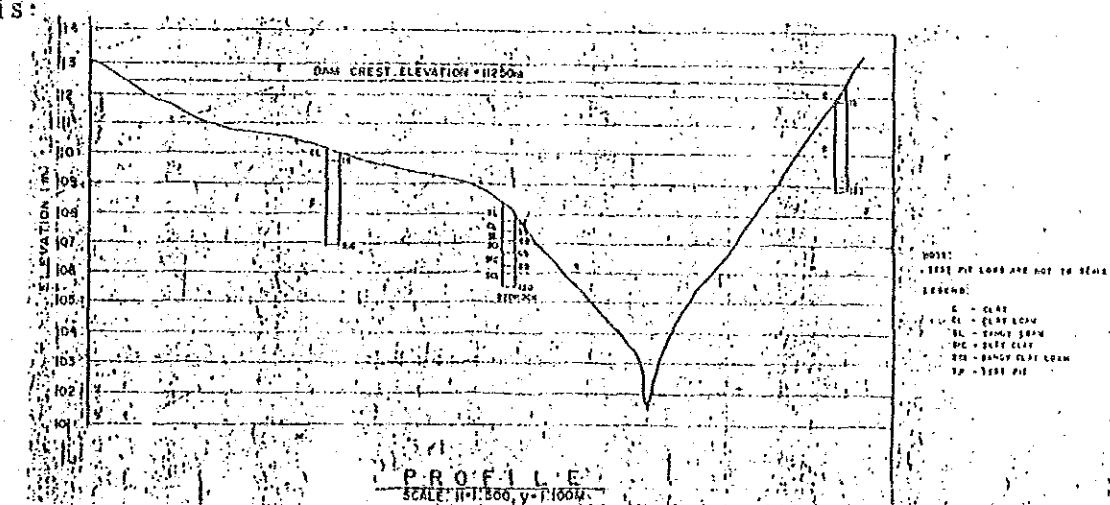
Layout:



Typical Dam Section:

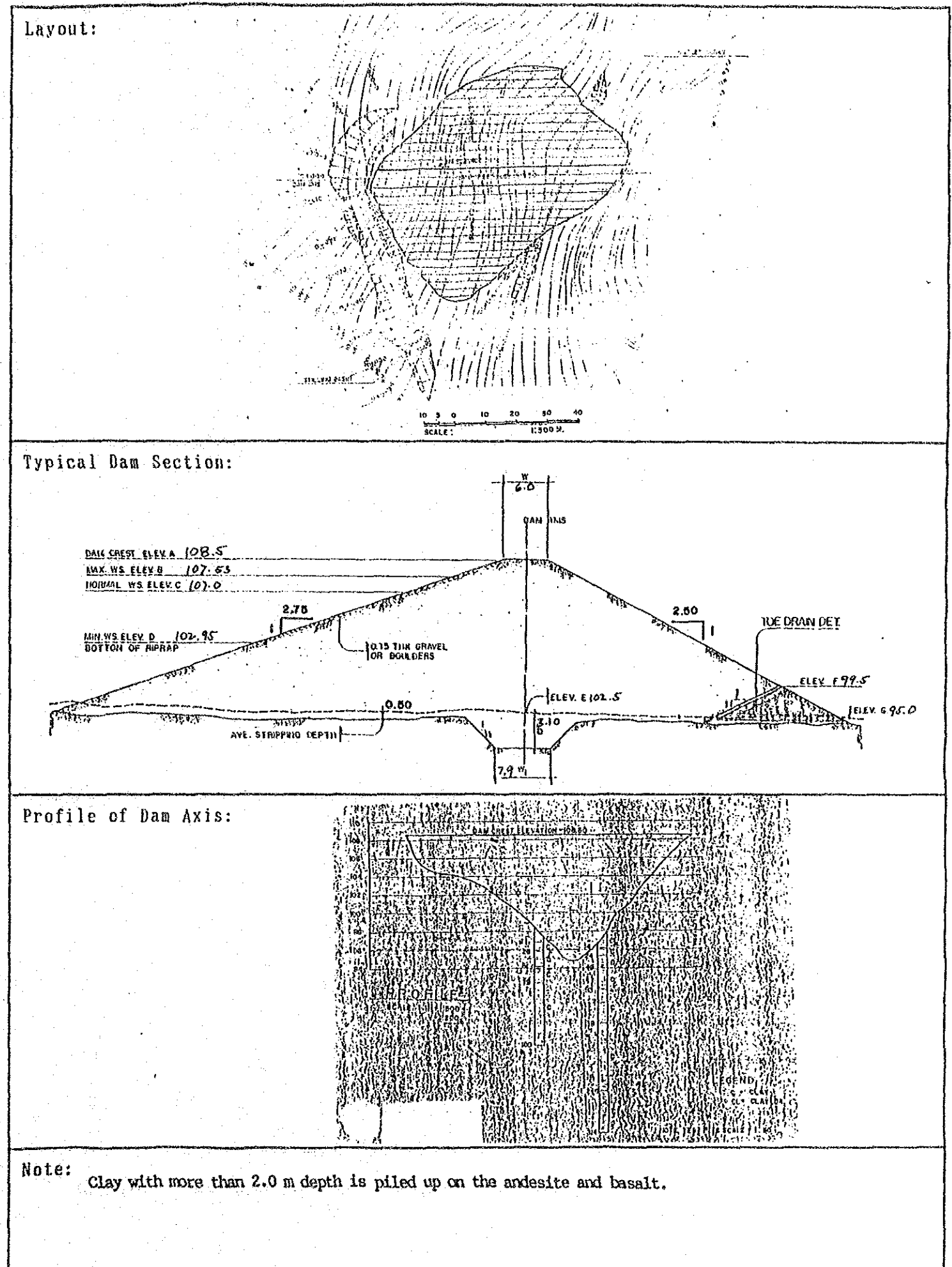


Profile of Dam Axis:

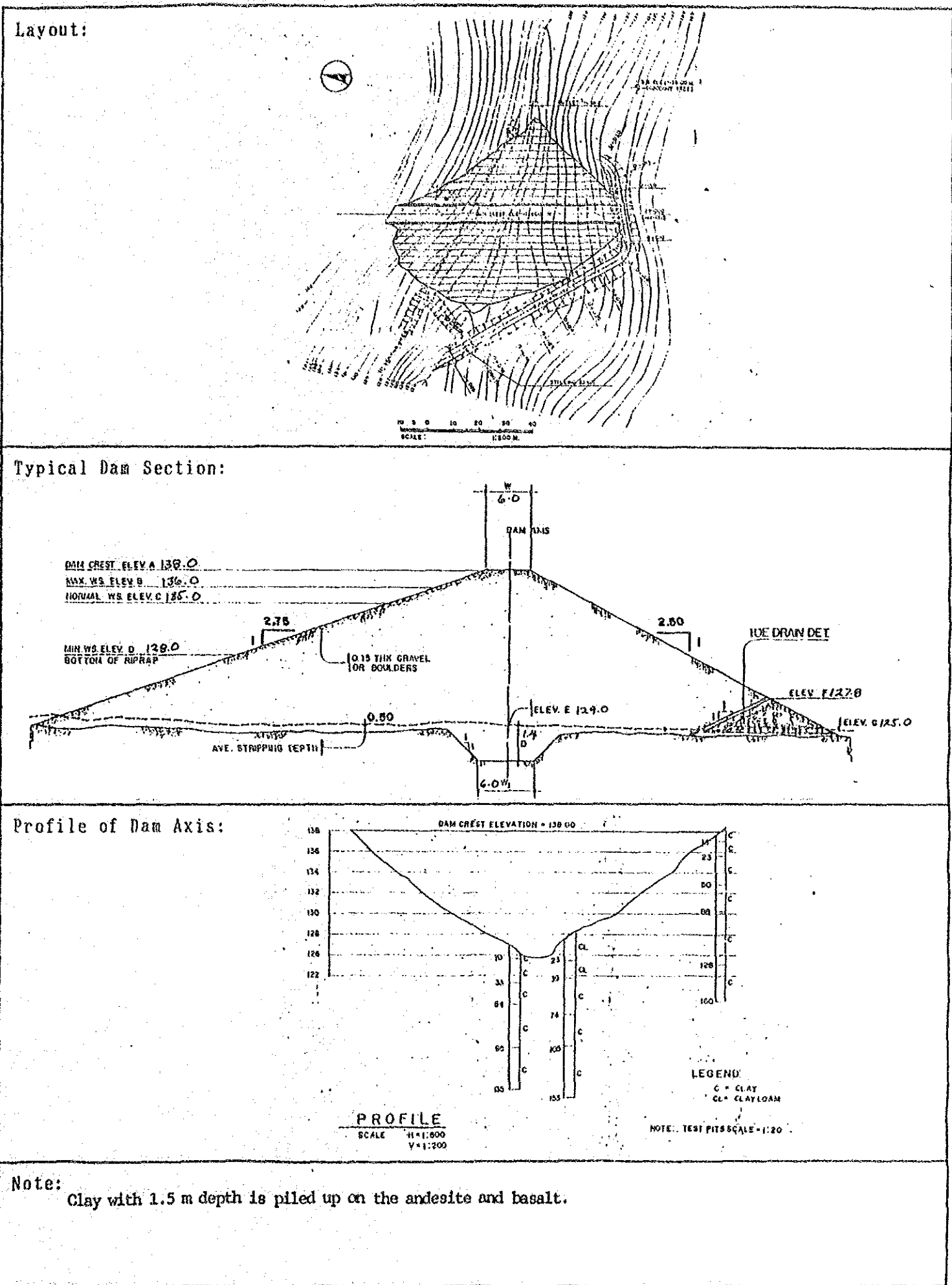


Note: Clay blanket with 1.5 m depth is piled up on the andesite and basalt.

SWIM PROJECT PROFILE		File No. : 198
Regist. No. : Agency No. : BSWM-118	Name : SUMADAT SWIP	
Region : 9	Province : ZAMBOANGA DEL SUR	Municipality : DUMALINAO
Present Status: 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 14 m
	: Effective Storage Capacity	: 55,235 m <sup>3</sup>
	: Embankment Volume	: 19,400 m <sup>3</sup>
	: Design Flood Discharge	: 5 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 70 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 18 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 2 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 19.1 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	: 2,960	Implementation Schedule:
Dam	: 2,960	Review : -
Irrigation	: 1,553	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jul. 1998; 6 months
Watershed Protection	: 436	
5. Grand Total	: 4,949	

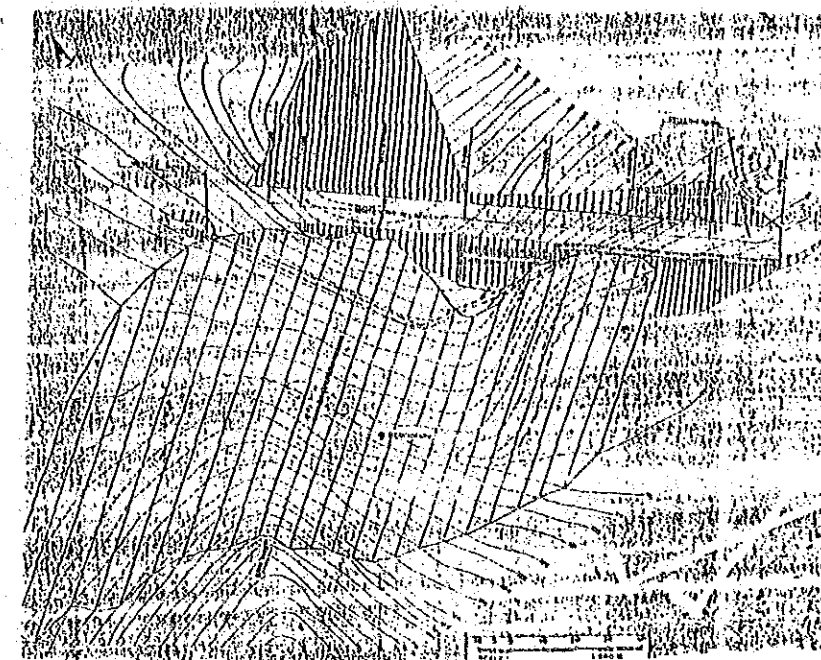


SWIM PROJECT PROFILE		File No. : 199
Regist. No. : Agency No. : BSWM-119	Name: LUNGNOT SWIP	
Region: 9	Province: ZAMBOANGA DEL SUR	Municipality: DUMALINAO
Present Status: 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	Dam Type	HOMOGENEOUS EARTHFILL
	Dam Height	12 m
	Effective Storage Capacity	98,125 m <sup>3</sup>
	Embankment Volume	17,040 m <sup>3</sup>
	Design Flood Discharge	8 m <sup>3</sup> /sec.
2. Irrigation	Irrigation Area	60 ha
3. Mini-hydropower	Installed Capacity	0 kW
4. Watershed Man.	Watershed Protection Area	36 ha
5. Water Supply	Design Supply Capacity	0 m <sup>3</sup> /day
6. Inland Fishery	Annual Production	5 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Center line of the spillway shall be shifted to left side. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 24.9%
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	: 0	Implementation Schedule:
Dam	: 3,088	Review : -
Irrigation	: 1,331	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jul.1997;6 months
Watershed Protection	: 875	
5. Grand Total	: 5,294	

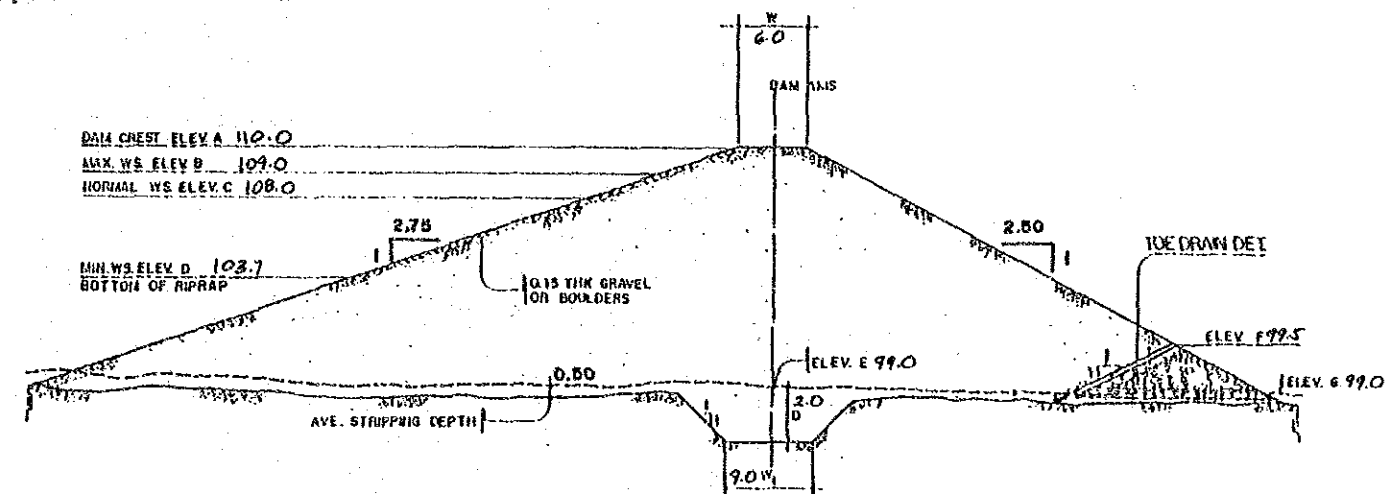


SWIM PROJECT PROFILE		File No. : 200
Regist. No. : Agency No. : BSWM-120	Name : LAMARE I SWIP	
Region : 9	Province : ZAMBOANGA DEL SUR	Municipality : BAYOG
Present Status: 1. Pre-F/S( ) (2) F/S(1983) (3) D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	Dam Type : Dam Height : Effective Storage Capacity : Embankment Volume : Design Flood Discharge :	HOMOGENEOUS EARTHFILL 11 m 61,871 m <sup>3</sup> 15,600 m <sup>3</sup> 11 m <sup>3</sup> /sec.
2. Irrigation	Irrigation Area :	80 ha
3. Mini-hydropower	Installed Capacity :	0 kW
4. Watershed Man.	Watershed Protection Area :	42 ha
5. Water Supply	Design Supply Capacity :	0 m <sup>3</sup> /day
6. Inland Fishery	Annual Production :	3 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Center line of the spillway shall be shifted to left side. Weir shall be provided in the spillway. Center line of conduit is recommended to be straight.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 19.8 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : A (OECF Candidate)
4. Construction	: 2,611	Implementation Schedule:
Dam	: 1,775	Review : -
Irrigation	: 0	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 1,021	Construction: within 1st 5 years
Watershed Protection	: 5,407	
5. Grand Total		

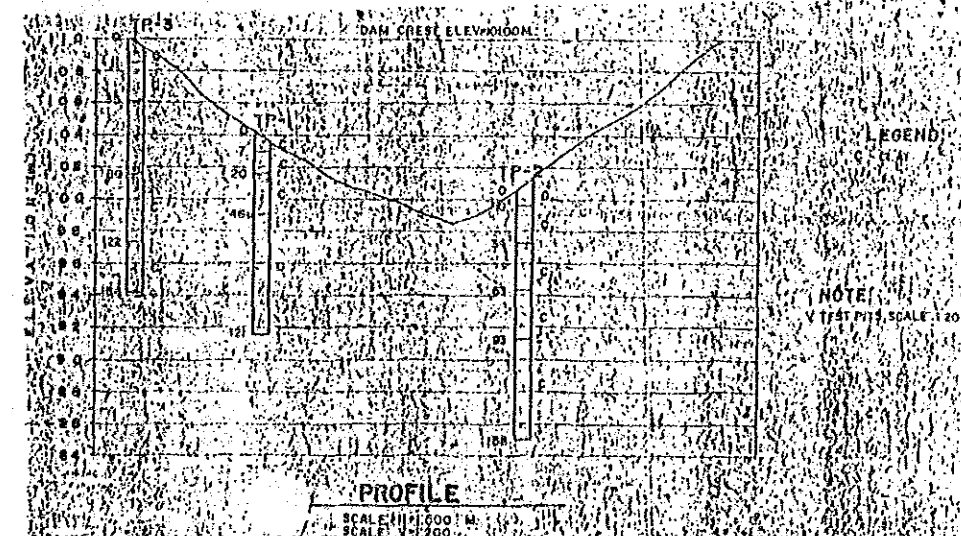
Layout:



Typical Dam Section:



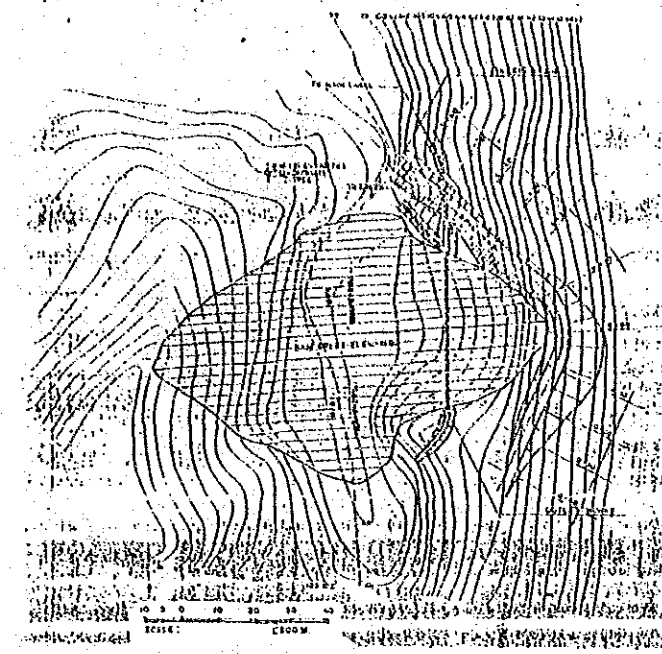
Profile of Dam Axis:



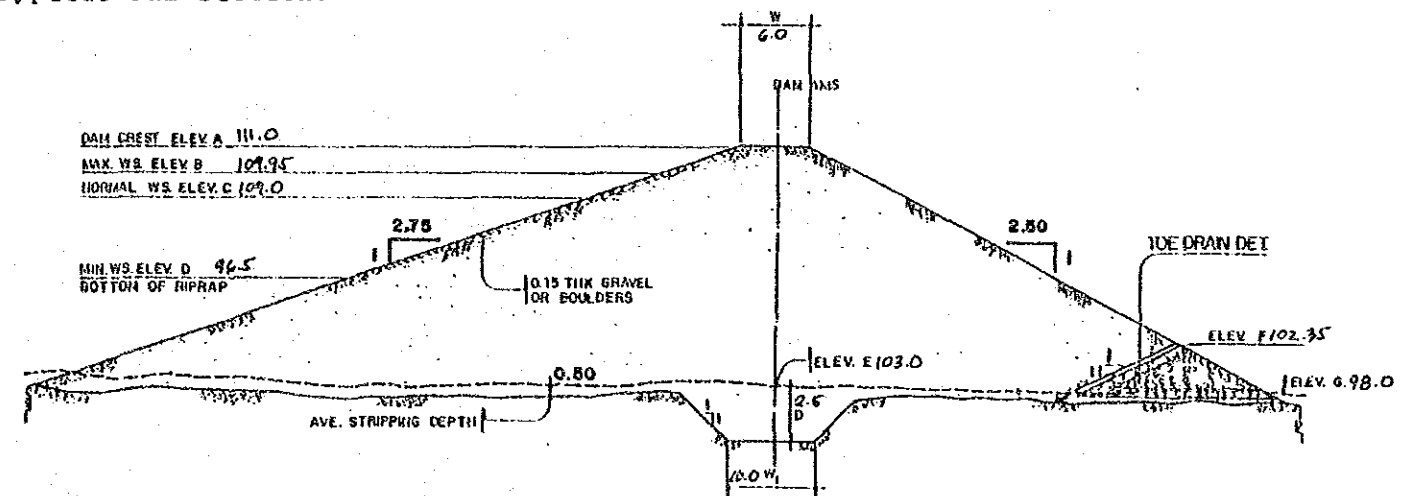
Note: Clay with 2.0 m depth is piled up on the andesite and basalt.

SWIM PROJECT PROFILE		File No. : 201
Regist. No. : Agency No. : BSWM-121	Name: LAMARE II SWIP	
Region: 9	Province: ZAMBOANGA DEL SUR	Municipality: BAYOG
Present Status: 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 12 m
	: Effective Storage Capacity	: 60,734 m <sup>3</sup>
	: Embankment Volume	: 26,200 m <sup>3</sup>
	: Design Flood Discharge	: 9 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 60 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 30 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 3 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Center line of the spillway shall be shifted to right side. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 18.2 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	: 3,622	Implementation Schedule:
Dam	: 1,331	Review : -
Irrigation	: 0	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 729	Construction: Jul. 1988; 6 months
Watershed Protection	: 5,682	
5. Grand Total	: 5,682	

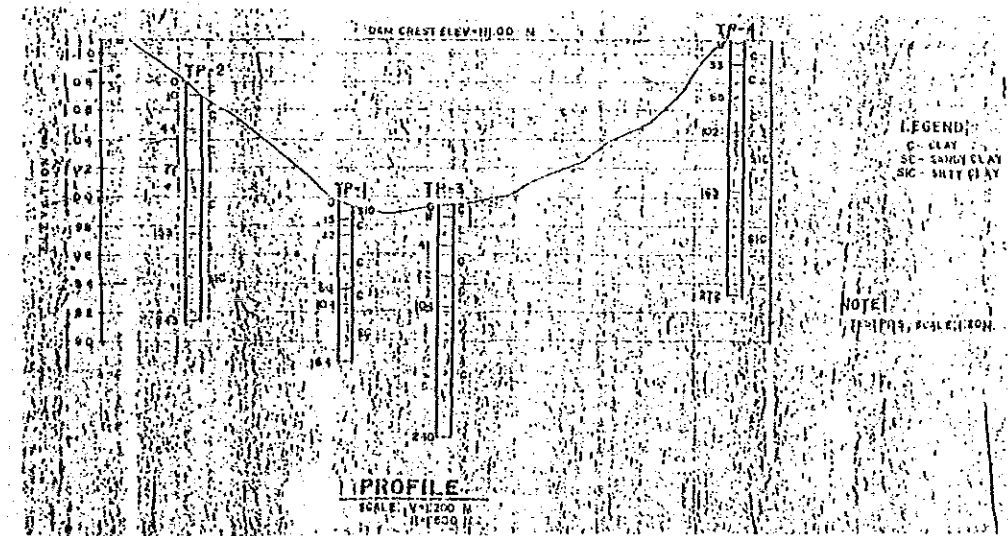
Layout:



Typical Dam Section:



Profile of Dam Axis:

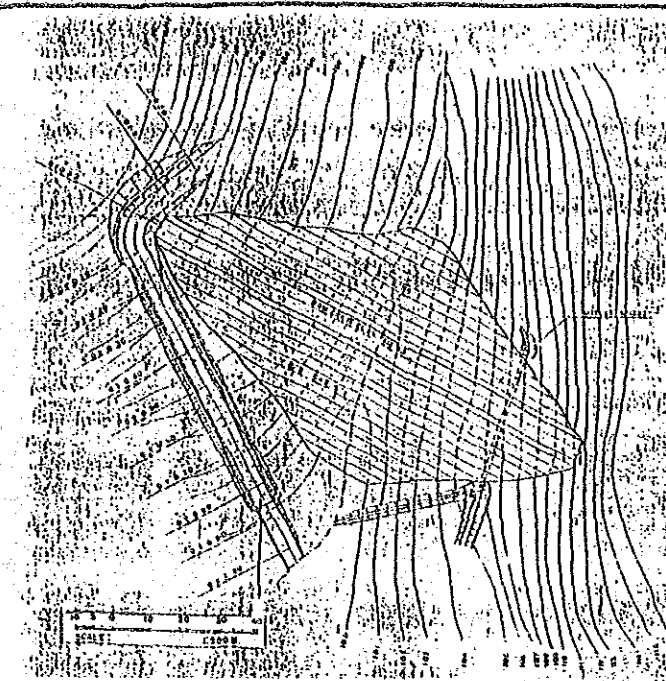


Note: Clay with more than 1.6 m depth is piled up on the andesite and basalt.

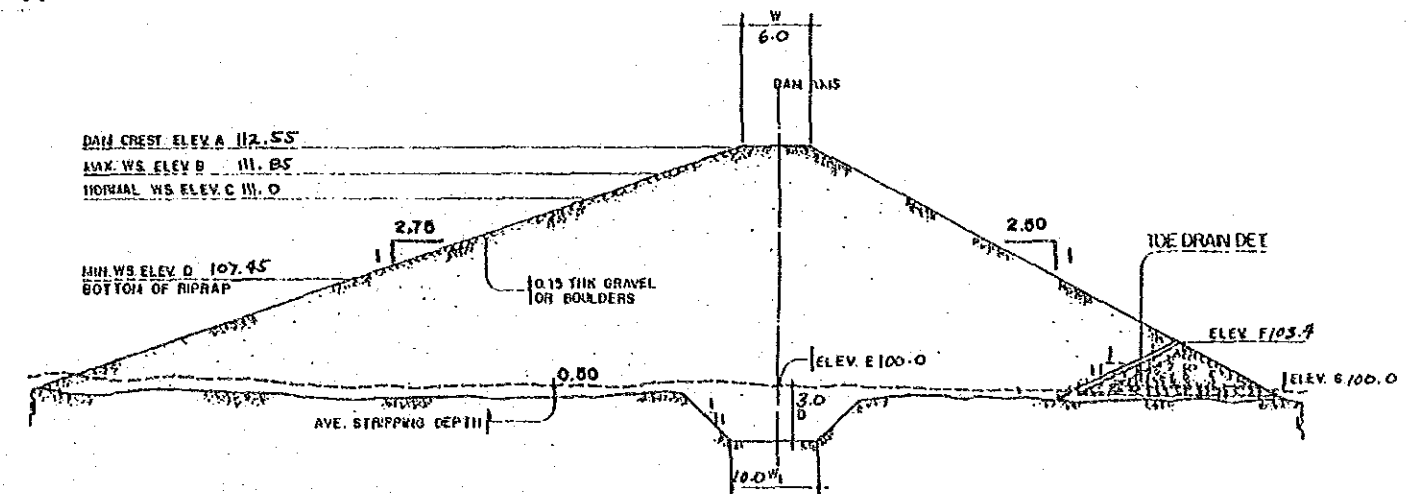


SWIM PROJECT PROFILE		File No. : 202
Regist. No. : Agency No. : BSWM-122	Name: BUENAVISTA SWIP	
Region: 9	Province: ZAMBOANGA DEL SUR	Municipality: CURUAN
Present Status: 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 13 m
	: Effective Storage Capacity	: 40,204 m <sup>3</sup>
	: Embankment Volume	: 20,200 m <sup>3</sup>
	: Design Flood Discharge	: 8 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 100 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 30 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 3 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental coservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Center line of the spillway shall be shifted to right side. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 14.5 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	: 3,713	Implementation Schedule:
Dam	: 2,219	Review : -
Irrigation	: 0	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 729	Construction: Jul. 1989; 6 months
Watershed Protection	: 6,661	
5. Grand Total		

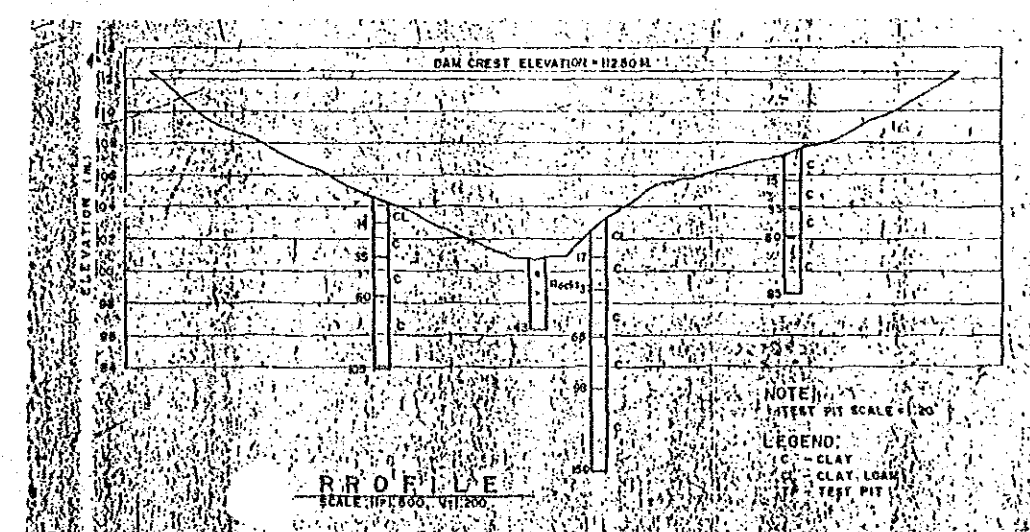
Layout:



Typical Dam Section:



Profile of Dam Axis:

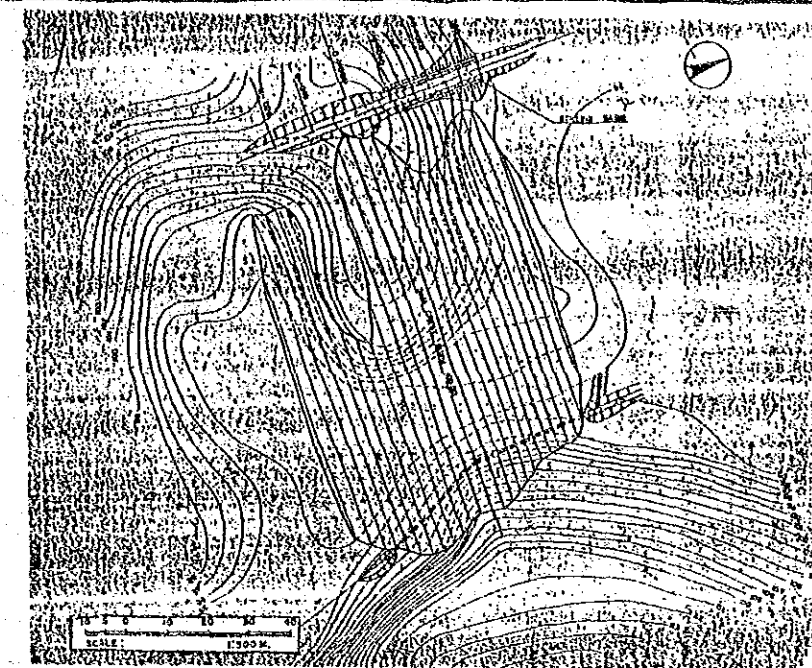


Note:

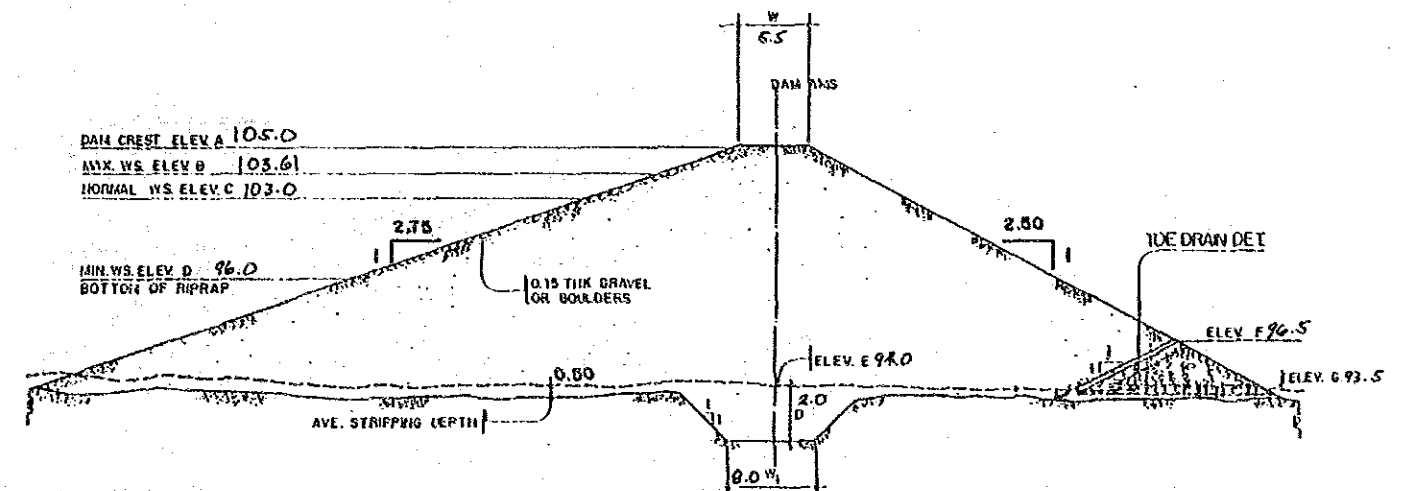
Clay with more than 1.6 m depth is piled up on the andesite and basalt.

SWIM PROJECT PROFILE		File No. : 203
Regist. No. : Agency No. : BSWM-123	Name: GOLING SWIP	
Region: 9	Province: ZAMBOANGA DEL SUR	Municipality: DIPLAHAN
Present Status: 1. Pre-F/S( ) (2) F/S(1983) (3) D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 11 m
	: Effective Storage Capacity	: 76,566 m3
	: Embankment Volume	: 20,400 m3
	: Design Flood Discharge	: 4 m3/sec.
2. Irrigation	: Irrigation Area	: 100 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 12 ha
5. Water Supply	: Design Supply Capacity	: 0 m3/day
6. Inland Fishery	: Annual Production	: 3 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Center line of the spillway shall be shifted to left side. Weir shall be provided in the spillway. Center line of conduit is recommended to be straight.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 17.4 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	: 2,635	Implementation Schedule:
Dam	: 2,635	Review : -
Irrigation	: 2,219	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jul.1996;6 months
Watershed Protection	: 293	
5. Grand Total	: 5,147	

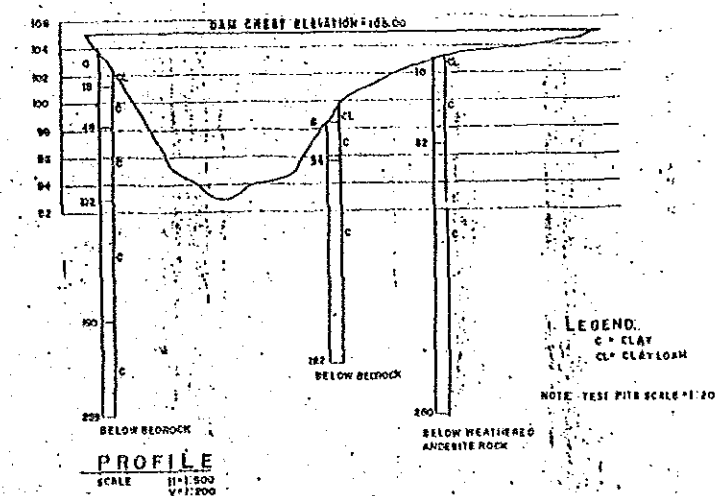
Layout:



Typical Dam Section:



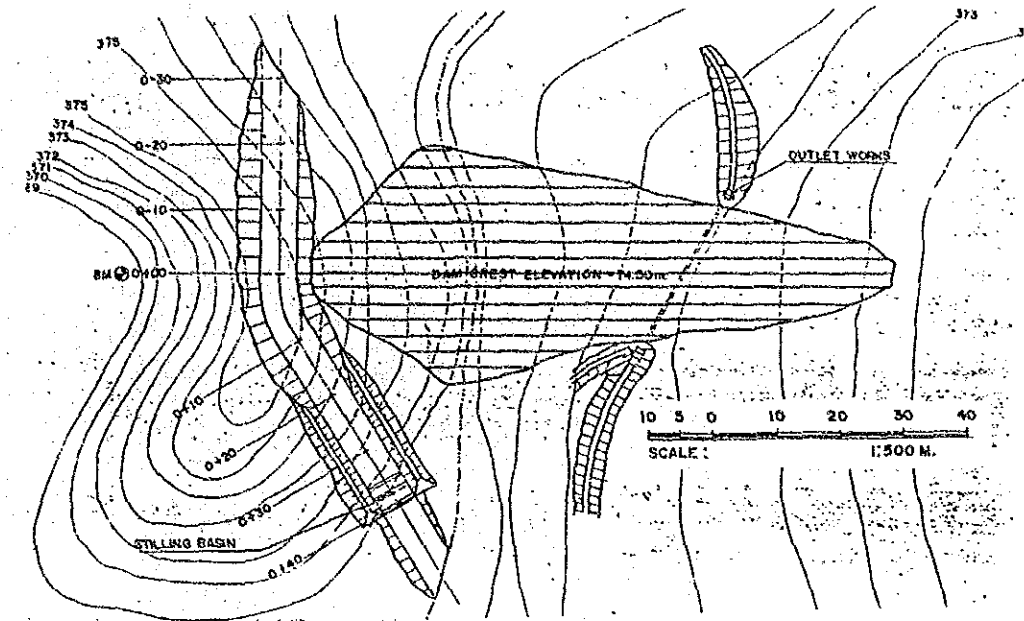
Profile of Dam Axis:



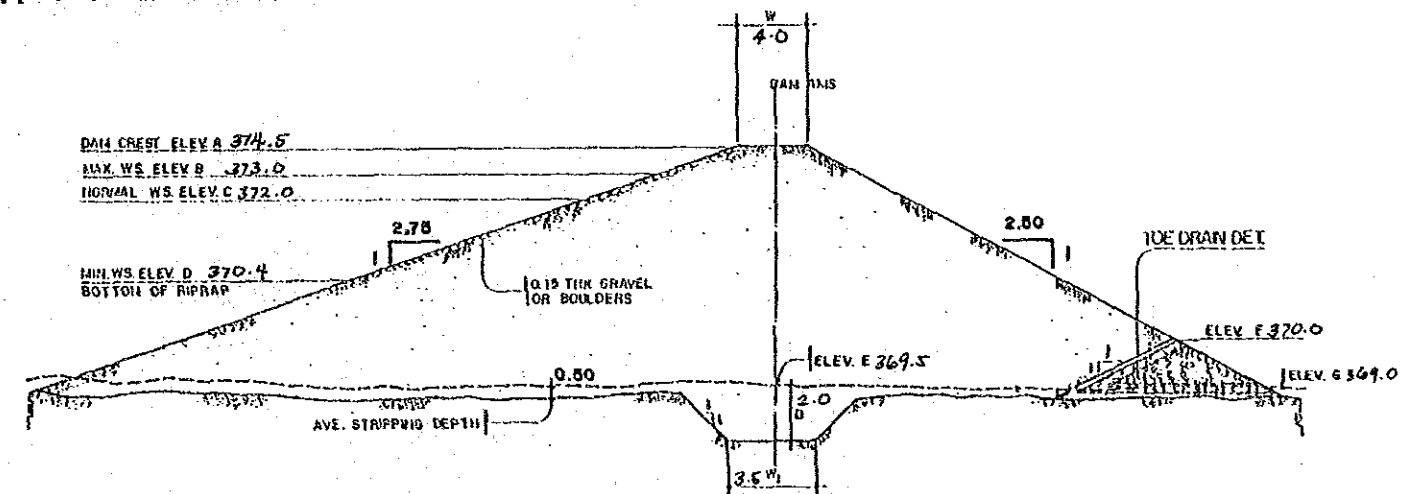
Note: Clay with more than 2.0 m depth is piled up on the andesite and basalt.

SWIM PROJECT PROFILE		File No. : 204
Regist. No. : Agency No. : BSWM-124	Name: LUBUANGON SWIP	
Region: 10	Province: BUKIDNON	Municipality: KIBAWÉ
Present Status: 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC		
Project Feature:		
1. Dam	Dam Type : Dam Height : Effective Storage Capacity : Embankment Volume : Design Flood Discharge :	HOMOGENEOUS EARTHFILL 6 m 48,210 m <sup>3</sup> 6,000 m <sup>3</sup> 13 m <sup>3</sup> /sec.
2. Irrigation	Irrigation Area :	150 ha
3. Mini-hydropower	Installed Capacity :	0 kW
4. Watershed Man.	Watershed Protection Area :	0 ha
5. Water Supply	Design Supply Capacity :	0 m <sup>3</sup> /day
6. Inland Fishery	Annual Production :	5 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. analysis. Center line of the spillway shall be shifted to right side. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 37.2 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : A
4. Construction	: 0	Implementation Schedule:
Dam	: 1,581	Review : -
Irrigation	: 3,328	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jul. 1993; 6 months
Watershed Protection	: 0	
5. Grand Total	: 4,909	

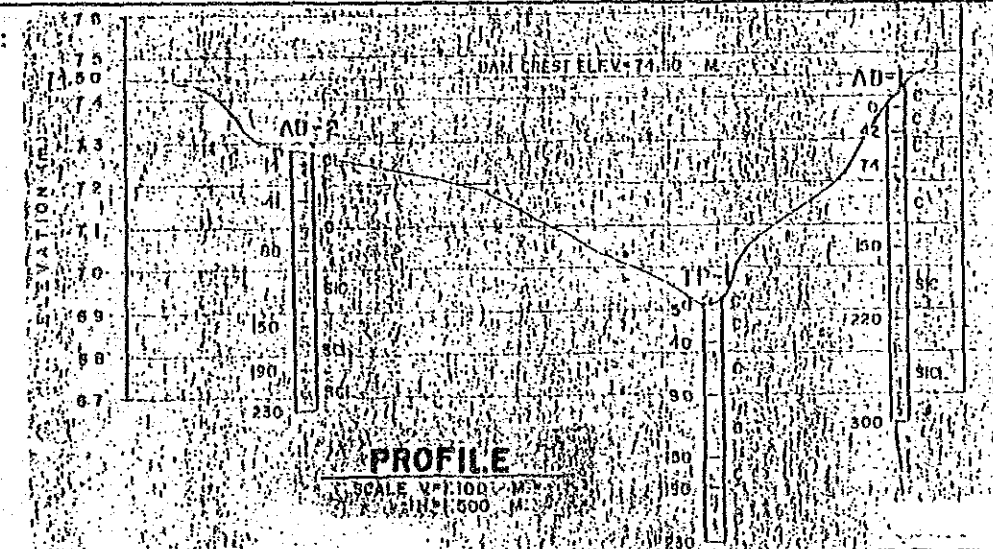
Layout:



Typical Dam Section:



Profile of Dam Axis:

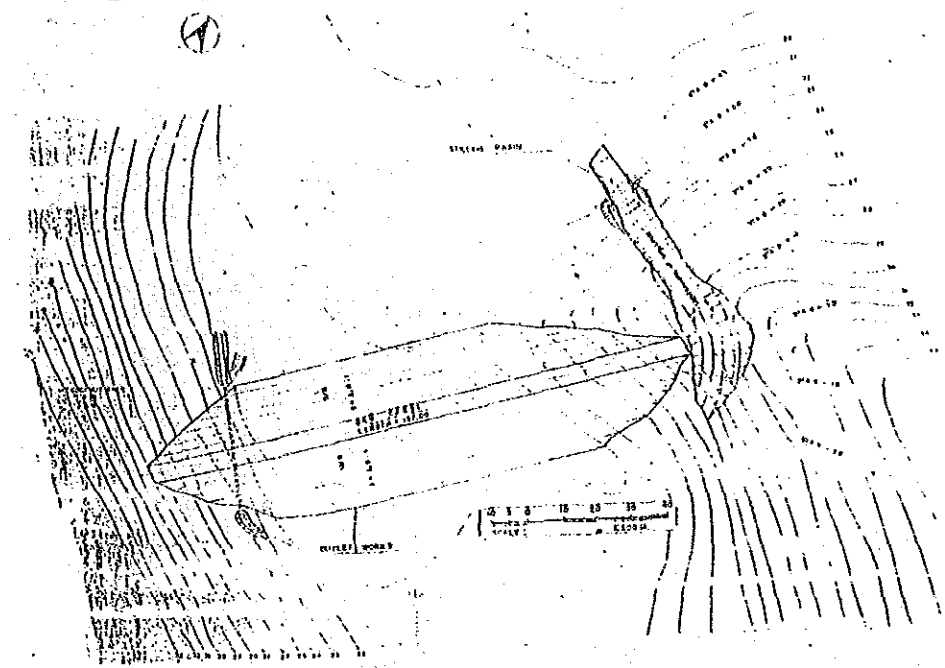


Note:

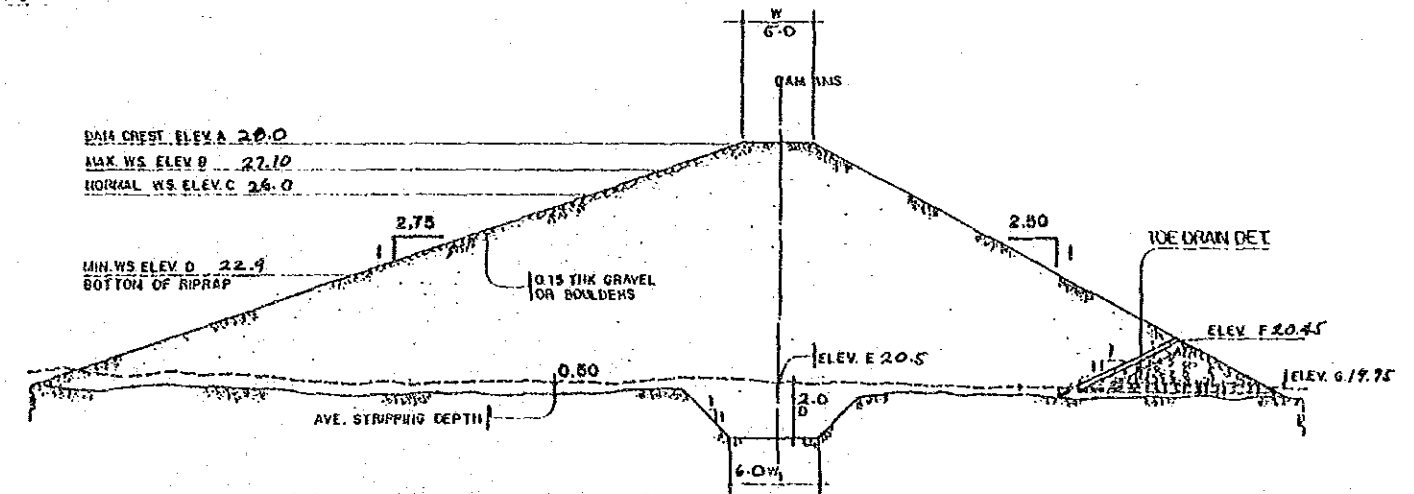
Silty clay with more than 3.0 m depth is piled up on the shale and silty stone.

SWIM PROJECT PROFILE		File No. : 205
Regist. No. : Agency No. : BSWM-125	Name: ALUBIJID SWIP	
Region: 10	Province: AGUSAN DEL NORTE	Municipality: BUENAVISTA
Present Status: 1. Pre-F/S( ) (2) F/S(1983) (3) D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 8 m
	: Effective Storage Capacity	: 78,549 m <sup>3</sup>
	: Embankment Volume	: 20,000 m <sup>3</sup>
	: Design Flood Discharge	: 17 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 105 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 42 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 6 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 22.8 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	:	Implementation Schedule:
Dam	: 2,762	Review : -
Irrigation	: 2,330	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jul. 1998; 6 months
Watershed Protection	: 1,021	
5. Grand Total	: 6,113	

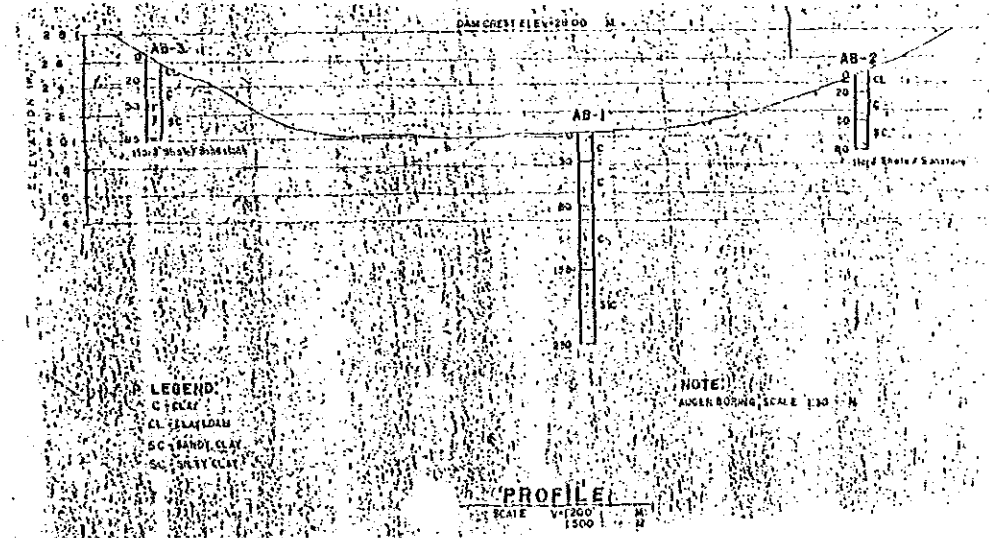
Layout:



Typical Dam Section:



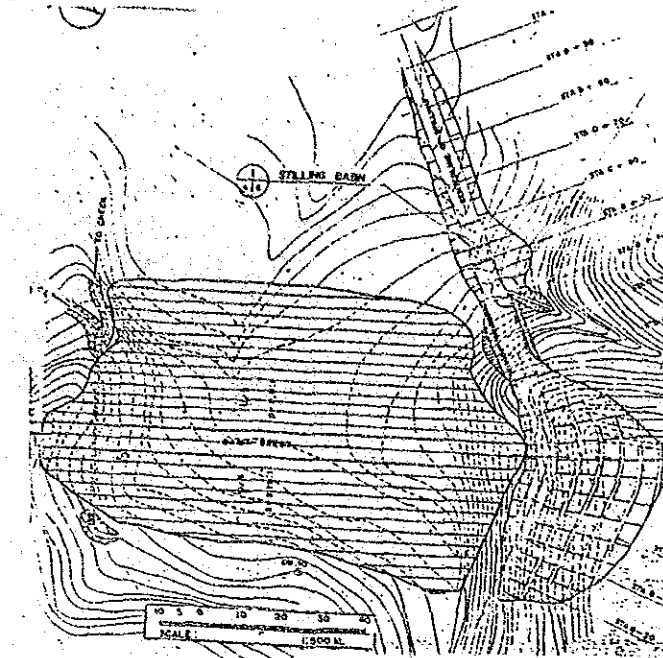
Profile of Dam Axis:



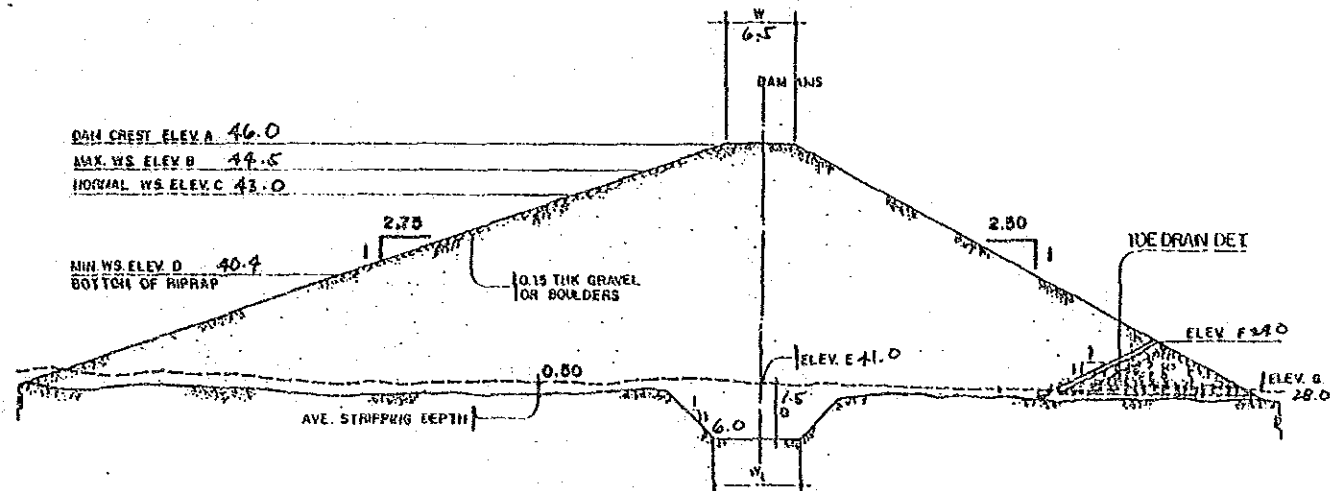
Note: Silty clay with more than 2.4 m depth is piled up on the shale and sand at one.

SWIM PROJECT PROFILE		File No. : 206
Regist. No. : Agency No. : BSWM-126	Name: BALIBAYON SWIP	
Region: 10	Province: SURIGAO DEL NORTE	Municipality: BRGY. RIZAL, SURIGAO CITY
Present Status: 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 13 m
	: Effective Storage Capacity	: 48,210 m <sup>3</sup>
	: Embankment Volume	: 41,200 m <sup>3</sup>
	: Design Flood Discharge	: 17 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 80 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 42 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 2 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 13.0 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	:	Implementation Schedule:
Dam	: 5,048	Review : -
Irrigation	: 1,775	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jan. 1989; 6 months
Watershed Protection	: 1,021	
5. Grand Total	: 7,844	

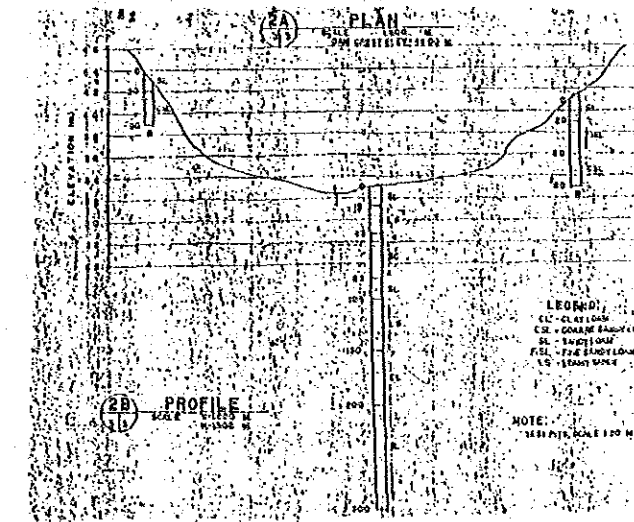
Layout:



Typical Dam Section:

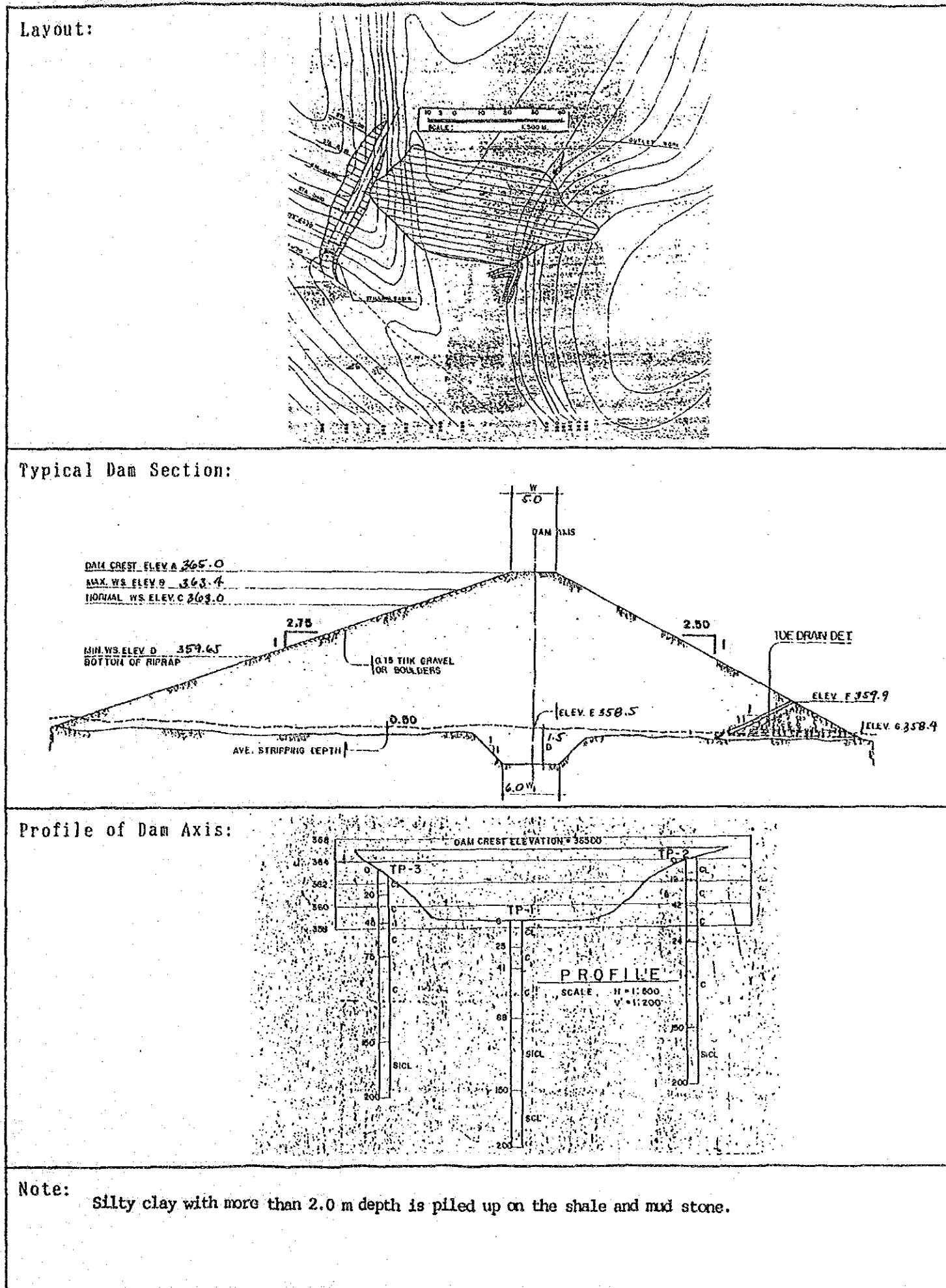


Profile of Dam Axis:

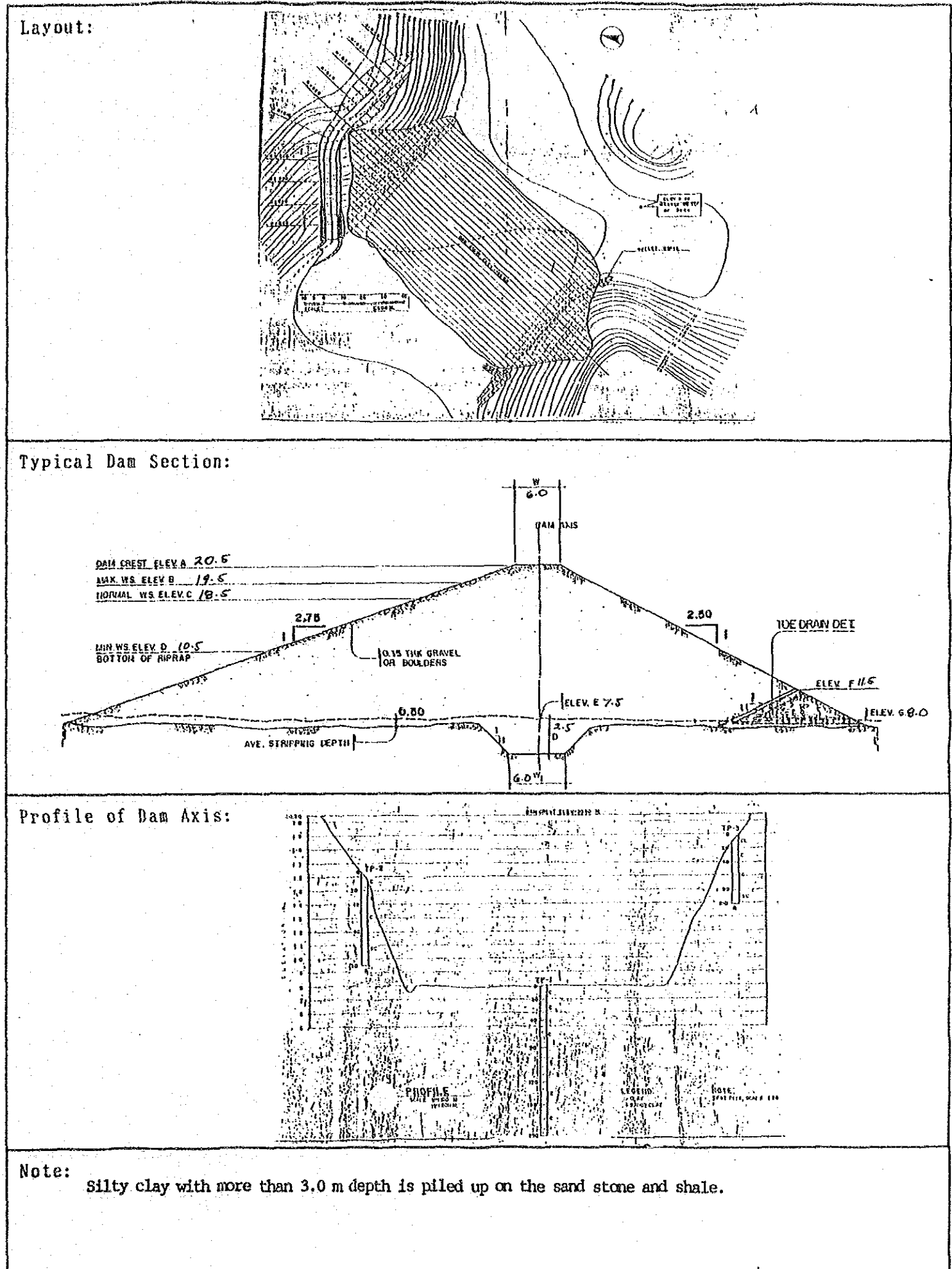


Note: Sandy loam with more than 3.0 m depth is piled up on the andesite having biotite and hornblende.

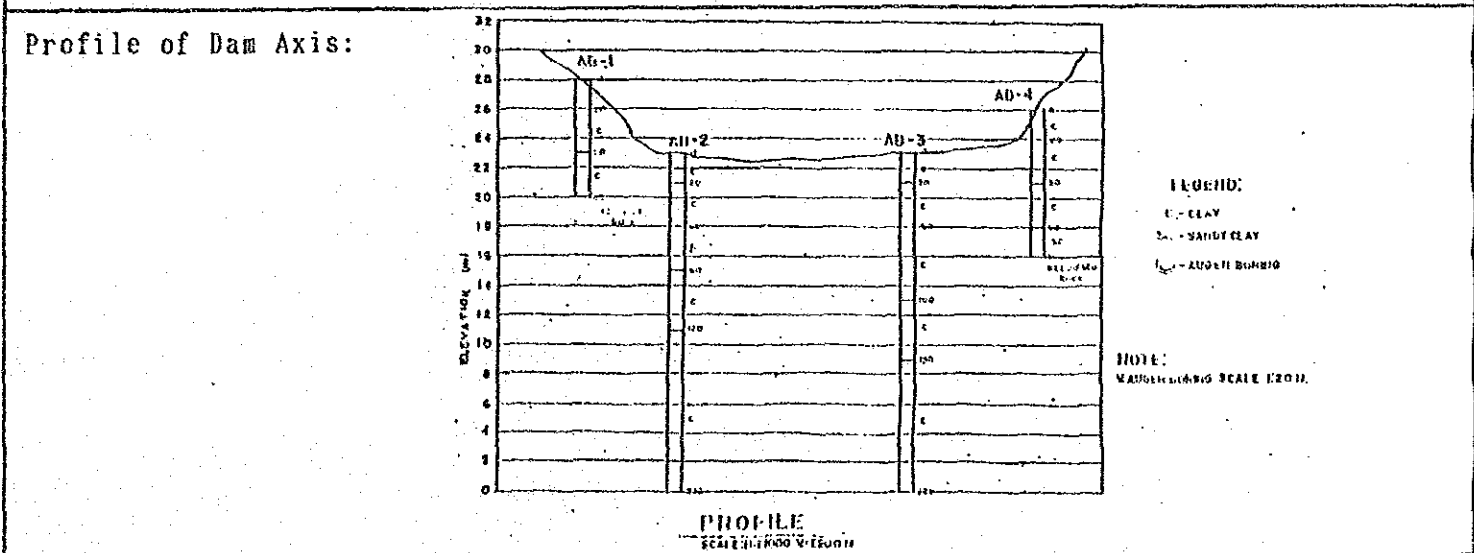
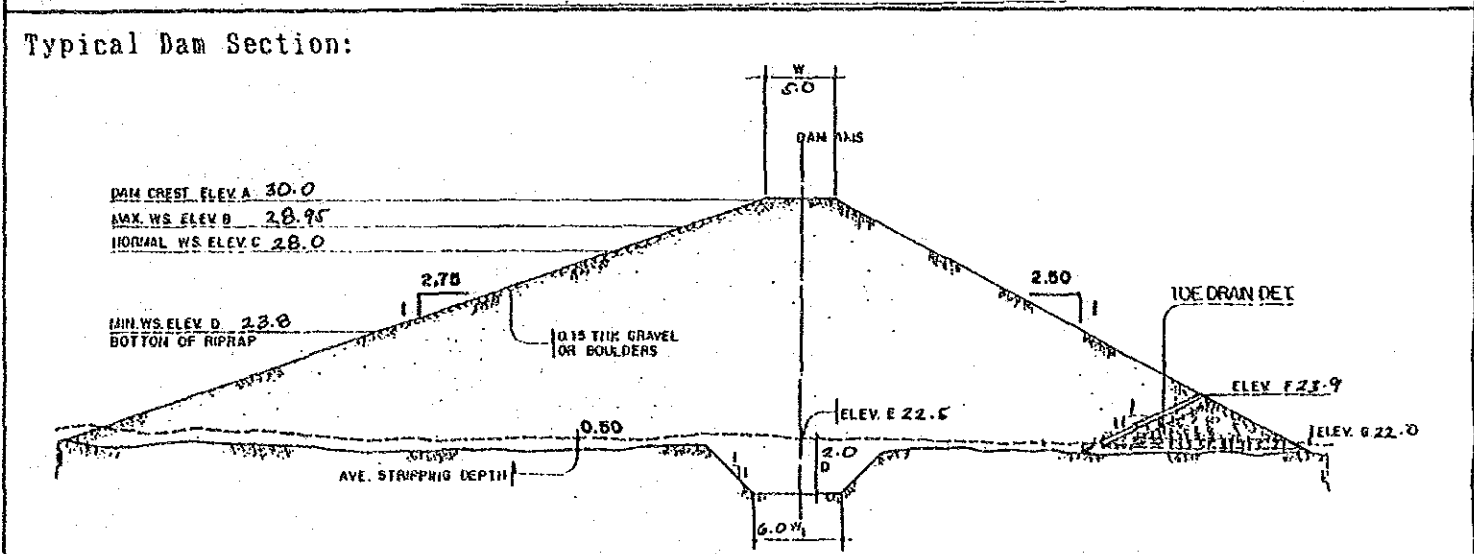
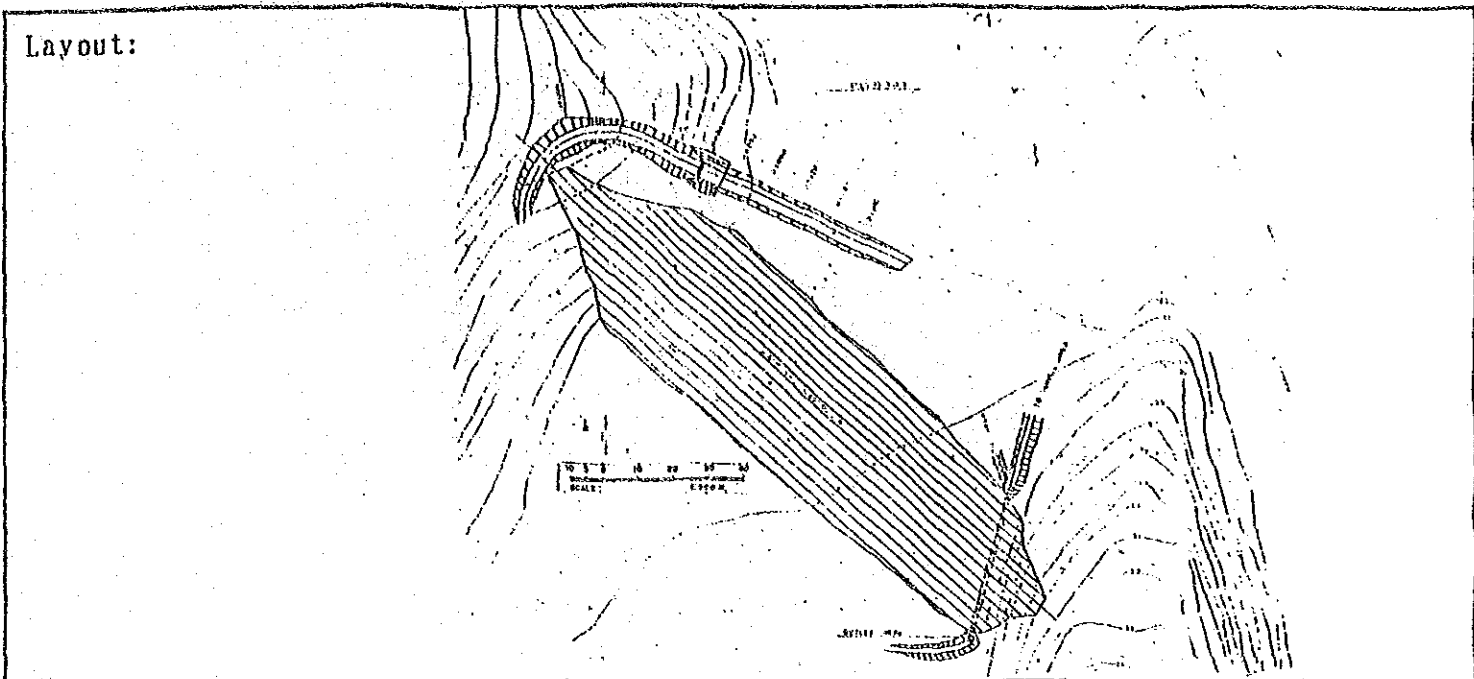
SWIM PROJECT PROFILE		File No. : 207
Regist. No. : Agency No. : BSWM-127	Name : APULANG SWIP	
Region : 10	Province : BUKIDNON	Municipality : KIBAWÉ
Present Status: 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 6 m
	: Effective Storage Capacity	: 158,448 m <sup>3</sup>
	: Embankment Volume	: 9,000 m <sup>3</sup>
	: Design Flood Discharge	: 7 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 140 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 18 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 11 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 30.3 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : A
4. Construction	: 1,614	Implementation Schedule:
Dam	: 1,614	Review : -
Irrigation	: 3,106	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jul. 1992; 6 months
Watershed Protection	: 436	
5. Grand Total	: 5,156	



SWIM PROJECT PROFILE		File No. : 208
Regist. No. : Agency No. : BSWM-128	Name: TALAO-AO SWIP	
Region: 10	Province: AGUSAN DEL NORTE	Municipality: BUENAVISTA
Present Status: 1. Pre-F/S( ) (2) F/S(1983) (3) D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 13 m
	: Effective Storage Capacity	: 295,439 m <sup>3</sup>
	: Embankment Volume	: 58,000 m <sup>3</sup>
	: Design Flood Discharge	: 17 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 155 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 48 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 11 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Weir shall be provided in the spillway. Center line of conduit is recommended to be straight.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 30.8 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : A
4. Construction	: 5,830	Implementation Schedule:
Dam	: 5,830	Review : -
Irrigation	: 3,439	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jan. 1995; 9 months
Watershed Protection	: 1,166	
5. Grand Total	: 10,435	



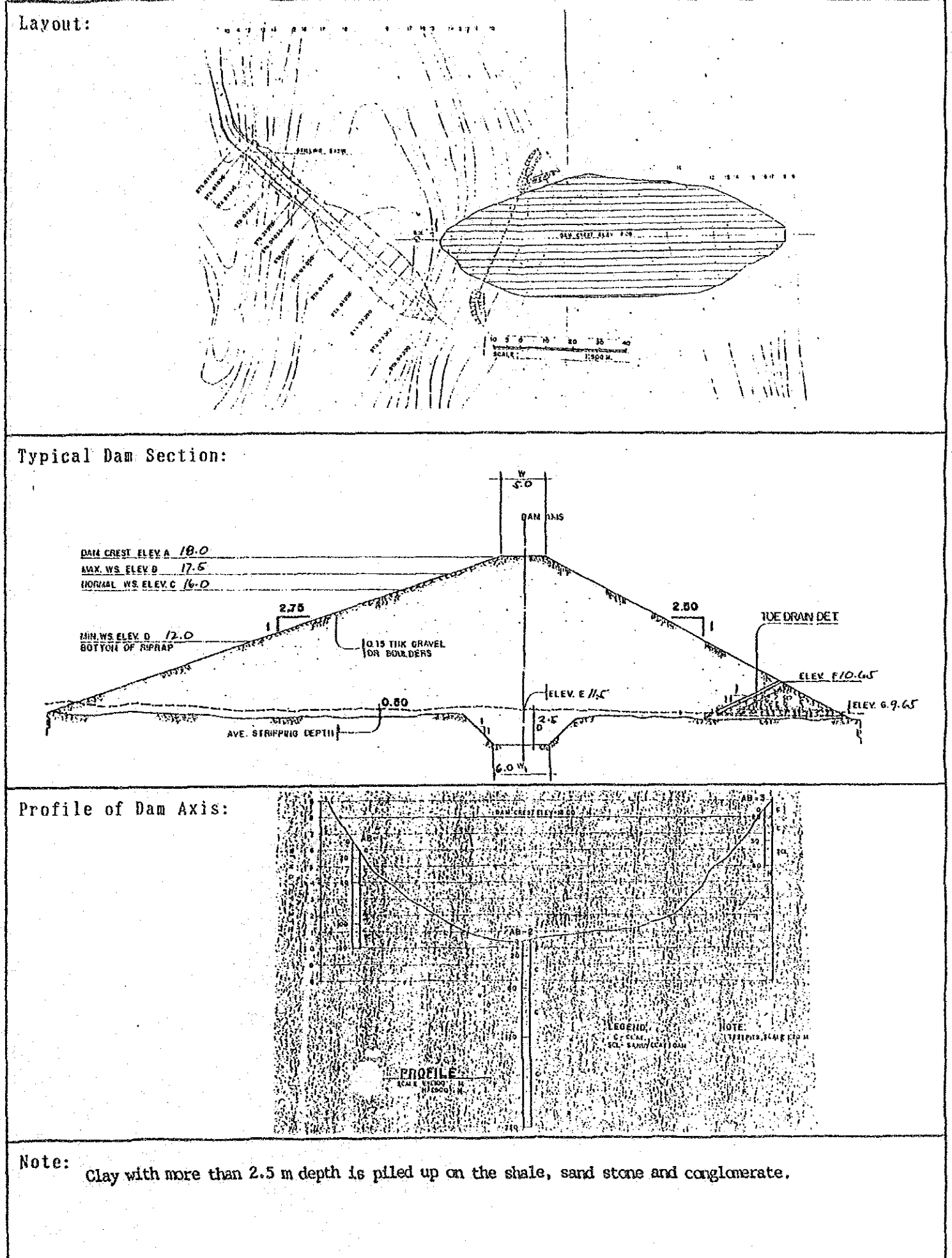
SWIM PROJECT, PROFILE		File No. : 209
Regist.No. : Agency No. : BSWM-129	Name: DUMALAGAN SWIP	
Region: 10	Province: AGUSAN DEL NORTE	Municipality: BUTUAN CITY
Present Status: 1. Pre-F/S( ) (2) F/S(1983) (3) D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	Dam Type : Dam Height : Effective Storage Capacity : Embankment Volume : Design Flood Discharge :	HOMOGENEOUS EARTHFILL 7 m 208,932 m <sup>3</sup> 34,000 m <sup>3</sup> 13 m <sup>3</sup> /sec.
2. Irrigation	Irrigation Area :	170 ha
3. Mini-hydropower	Installed Capacity :	0 kW
4. Watershed Man.	Watershed Protection Area :	96 ha
5. Water Supply	Design Supply Capacity :	0 m <sup>3</sup> /day
6. Inland Fishery	Annual Production :	13 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 29.8 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	:	Implementation Schedule:
Dam	: 3,973	Review : -
Irrigation	: 3,772	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jul. 1988; 9 months
Watershed Protection	: 2,334	
5. Grand Total	: 10,079	



Note: Clay with more than 2.5 m depth is piled up on the sand stone and conglomerate.

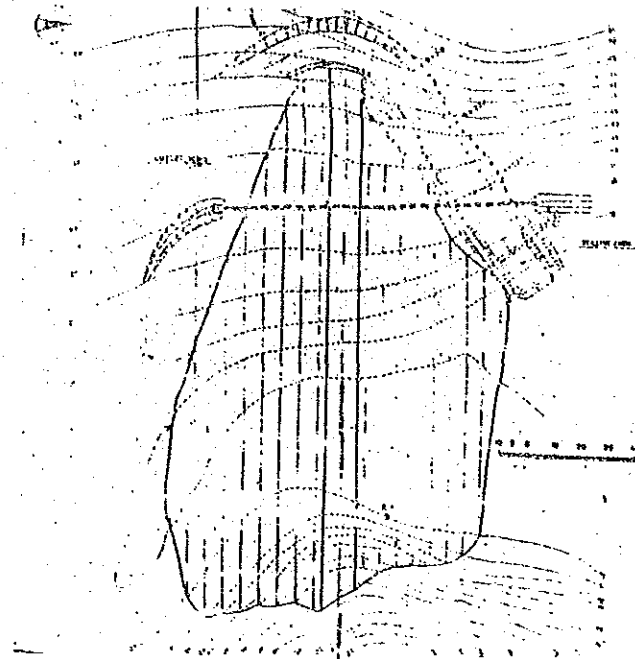


SWIM PROJECT PROFILE		File No. : 210
Regist.No. : Agency No. : BSWM-130	Name: MINTU-OD SWIP	
Region: 10	Province: AGUSAN DEL NORTE	Municipality: BUENAVISTA
Present Status: 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 7 m
	: Effective Storage Capacity	: 118,557 m <sup>3</sup>
	: Embankment Volume	: 25,678 m <sup>3</sup>
	: Design Flood Discharge	: 19 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 100 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 48 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 6 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Freeboard is not enough. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 41	EIRR : 35.6 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : A
4. Construction	:	Implementation Schedule:
Dam	: 2,916	Review : 1984
Irrigation	: 2,219	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jan.1995;6 months
Watershed Protection	: 1,166	
5. Grand Total	: 6,342	

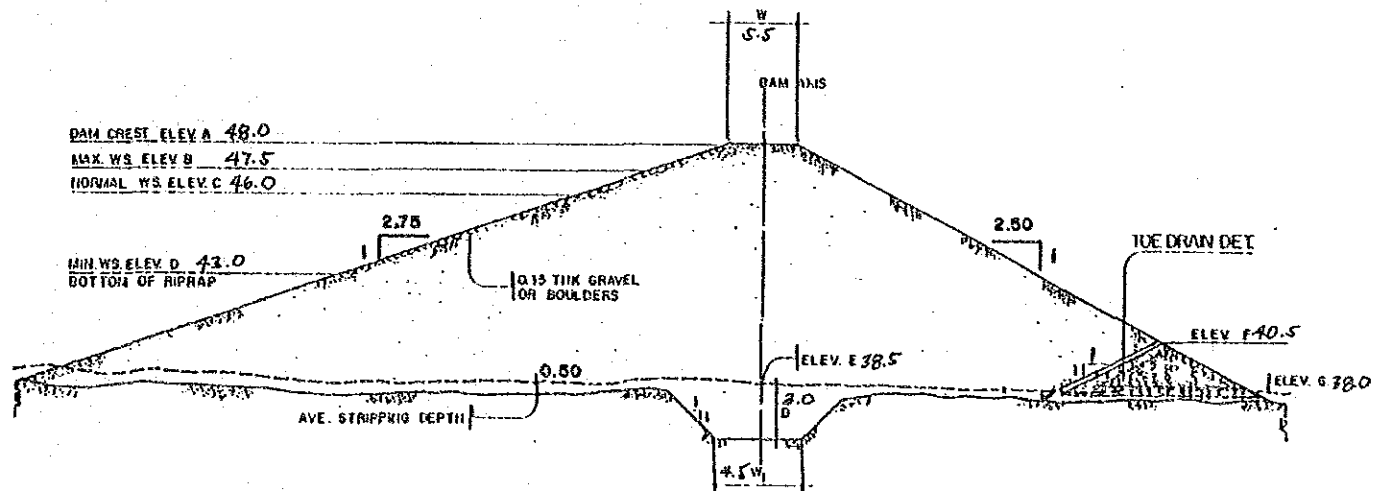


SWIM PROJECT, PROFILE		File No. : 211
Regist. No. : Agency No. : BSWM-131	Name : MALAPONG SWIP	
Region: 10	Province: AGUSAN DEL NORTE	Municipality: BUENAVISTA
Present Status: 1. Pre-F/S( ) (2) F/S(1983) (3) D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 9 m
	: Effective Storage Capacity	: 63,430 m3
	: Embankment Volume	: 10,900 m3
	: Design Flood Discharge	: 11 m3/sec.
2. Irrigation	: Irrigation Area	: 200 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 48 ha
5. Water Supply	: Design Supply Capacity	: 0 m3/day
6. Inland Fishery	: Annual Production	: 3 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Center line of the spillway shall be shifted to left side. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 29.6 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : A
4. Construction	: 1,909	(OECF Candidate)
Dam	: 1,909	Implementation Schedule:
Irrigation	: 4,438	Review : -
Mini-Hydropower	: 0	F/S : Completed
Water Supply	: 0	D/D : Completed
Watershed Protection	: 1,166	Construction: within 1st 5 years
5. Grand Total	: 7,512	

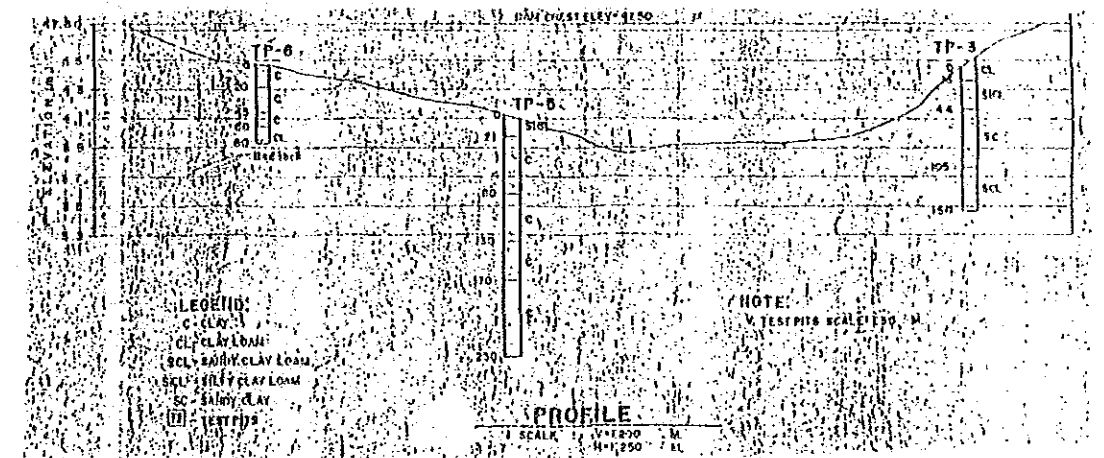
Layout:



Typical Dam Section:



Profile of Dam Axis:

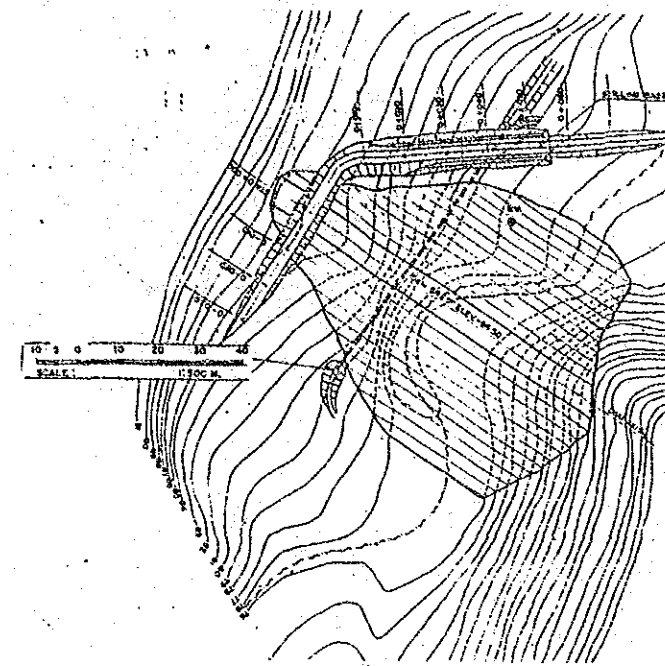


Note:

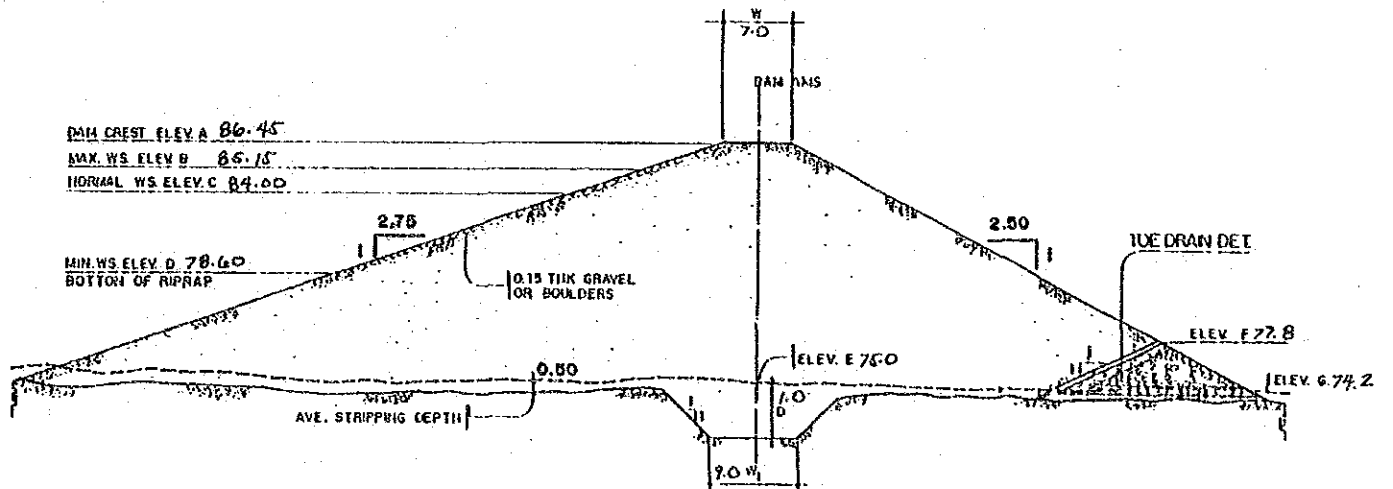
Clay with more than 2.5 m depth is piled up on the shale, sand stone and conglomerate.

SWIM PROJECT PROFILE		File No. : 212
Regist. No. : Agency No. : BSWM-132	Name: TALAGANAHAO SWIP	
Region: 10	Province: AGUSAN DEL NORTE	Municipality: BUENAVISTA
Present Status: 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 12 m
	: Effective Storage Capacity	: 84,919 m <sup>3</sup>
	: Embankment Volume	: 18,300 m <sup>3</sup>
	: Design Flood Discharge	: 10 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 60 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 36 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 5 ton/year
Technical Assessment:		
1. Survey and Investigation:		
Depth of test pit or auger boring is not enough.		
Bearing capacity and permeability are not measured.		
Available volume for dam embankment shall be studied before construction.		
2. Planning		
Environmental conservation plan is not formulated.		
3. Design		
Depth of core trench shall be modified during construction.		
Stability of upstream slope of the dam shall be checked.		
Compaction near the spillway shall be carefully carried out.		
Weir shall be provided in the spillway.		
4. Operation and Maintenance		
Not studied.		
Fund Requirement:(1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 22.6 %
2. Feasibility Study	: 0	
3. Detailed Design	: 0	Priority Rating:
4. Construction	: 0	Group : B
Dam	: 2,618	Implementation Schedule:
Irrigation	: 1,331	Review : -
Mini-Hydropower	: 0	F/S : Completed
Water Supply	: 0	D/D : Completed
Watershed Protection	: 875	Construction: Jul.1997:6 months
5. Grand Total	: 4,824	

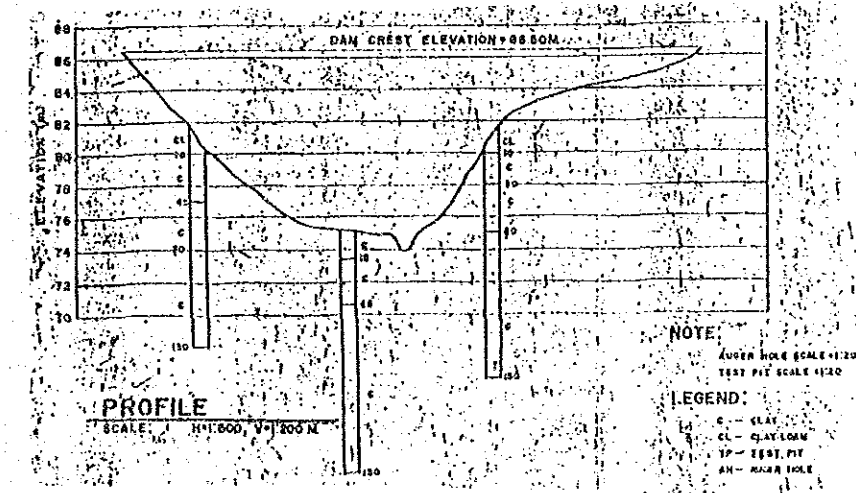
Layout:



Typical Dam Section:

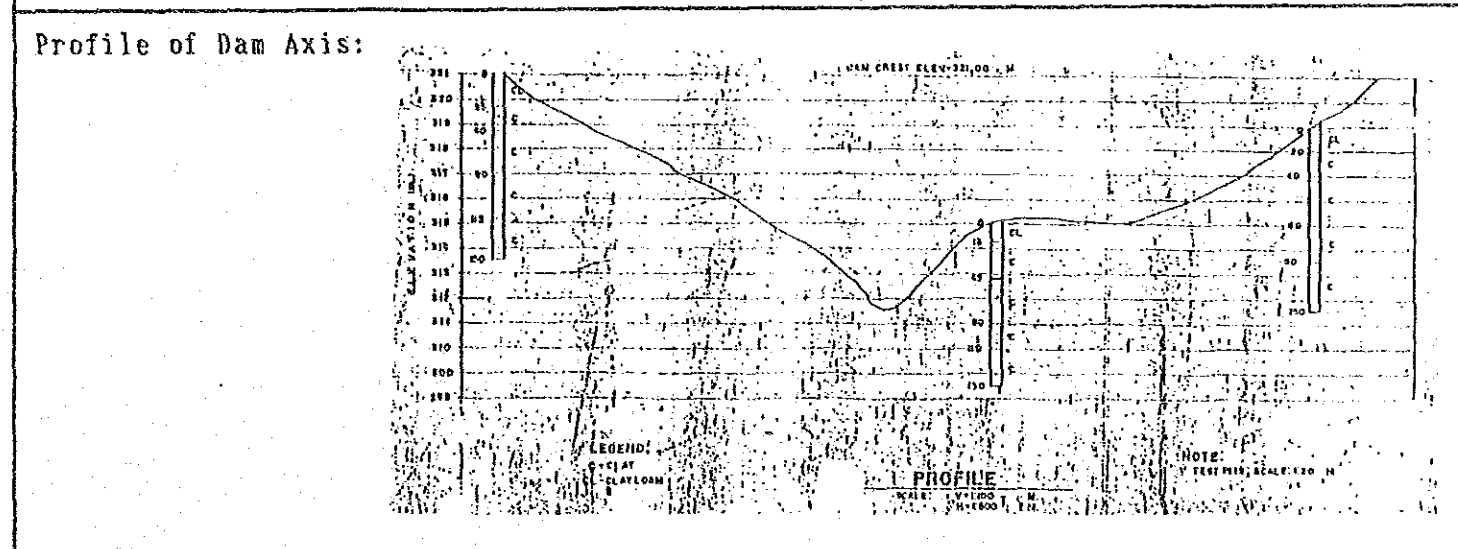
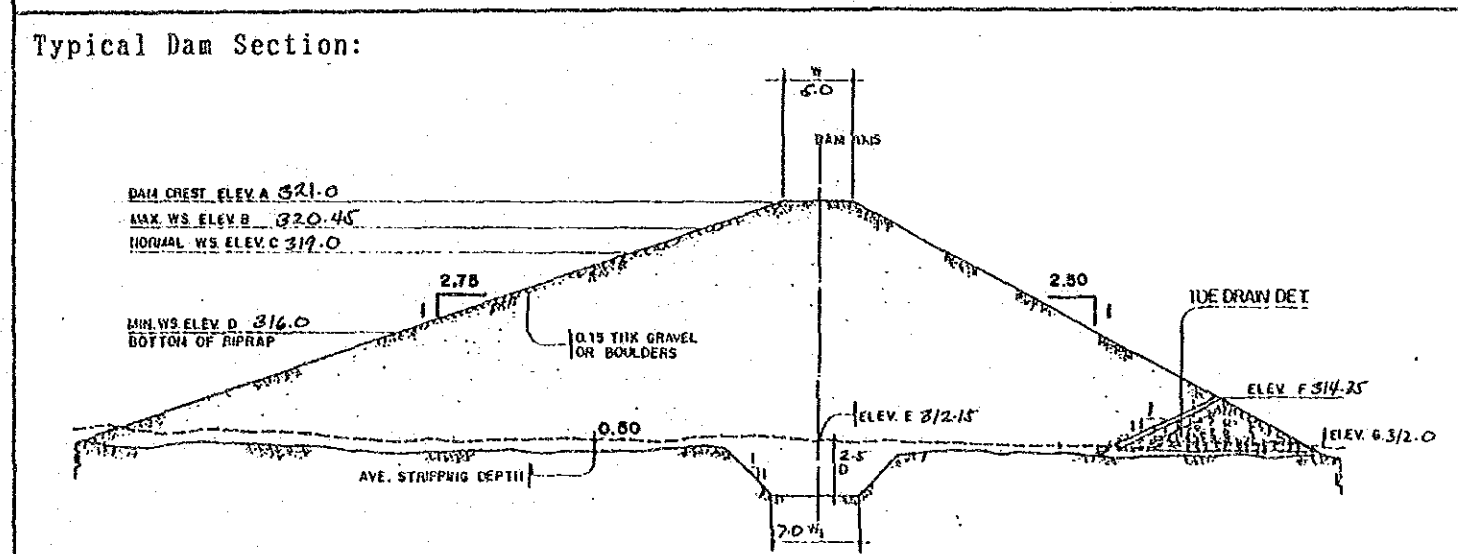
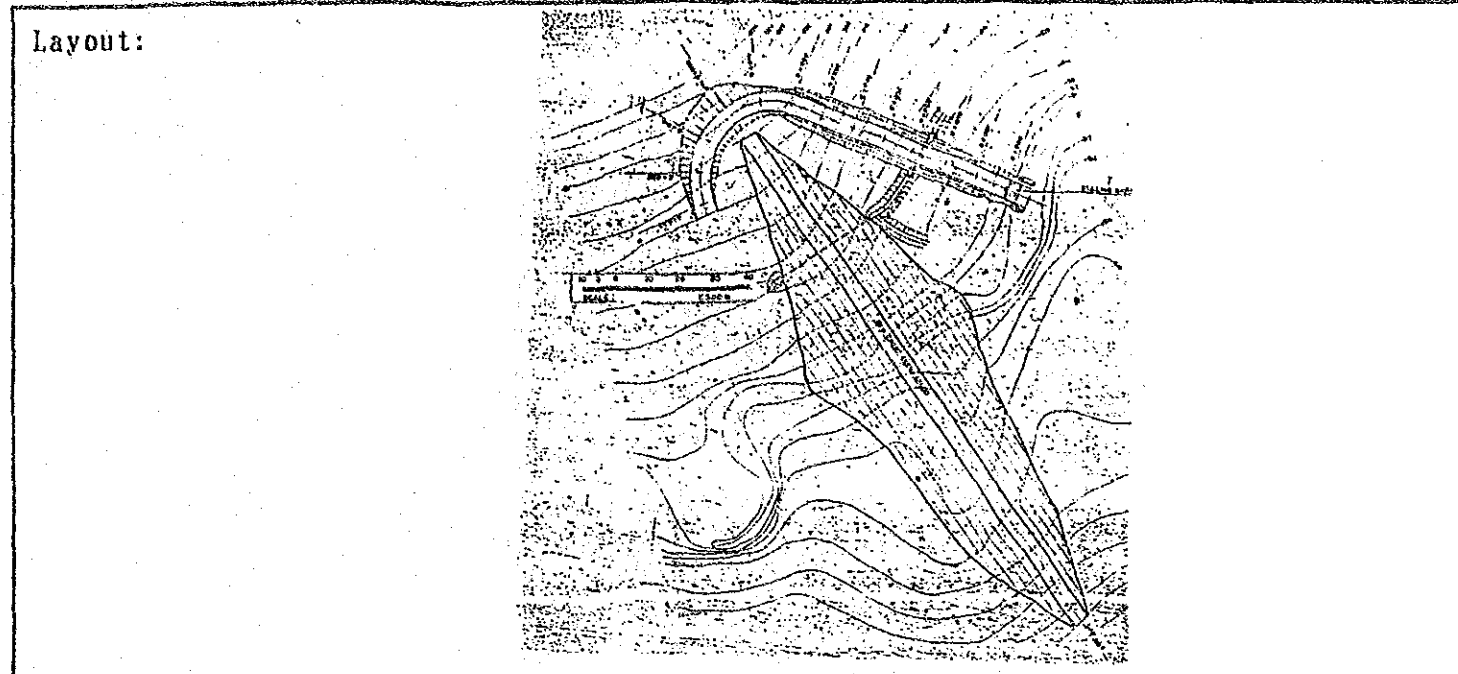


Profile of Dam Axis:



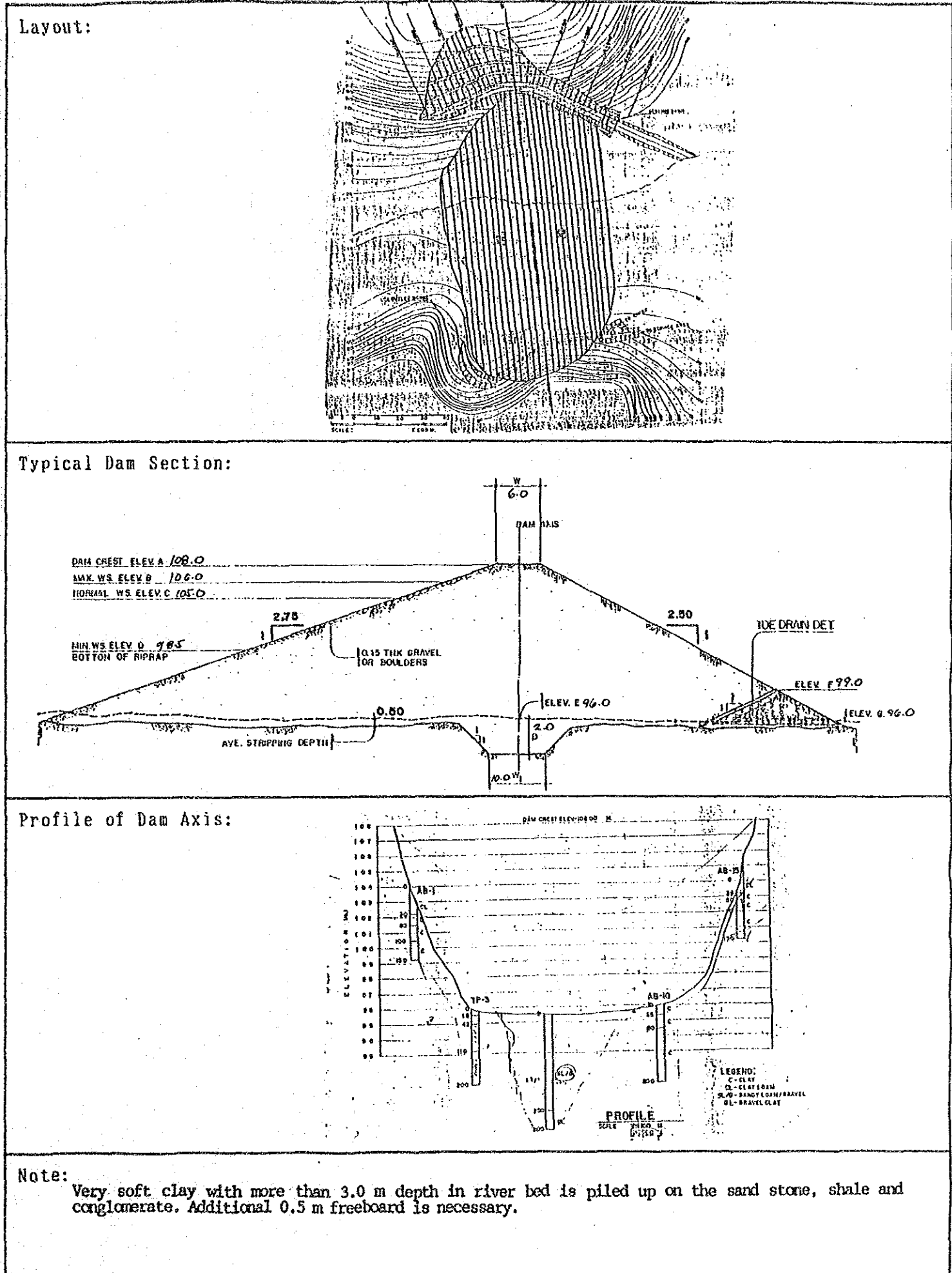
Note: Clay with more than 1.5 m depth is piled up on the sand stone, shale and conglomerate.

SWIM PROJECT PROFILE		File No. : 213
Regist.No. : Agency No. : BSWM-133	Name : KITAO-TAO SWIP	
Region : 10	Province : BUKIDNON	Municipality : KITAO-TAO
Present Status : 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 9 m
	: Effective Storage Capacity	: 88,993 m <sup>3</sup>
	: Embankment Volume	: 20,000 m <sup>3</sup>
	: Design Flood Discharge	: 19 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 200 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 126 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 6 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Seepage through volcanic tuff shall be studied. Stability of upstream slope of the dam shall be checked. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 41.0 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : A
4. Construction	: 2,775	(OECF Candidate)
Dam	: 2,775	Implementation Schedule:
Irrigation	: 4,438	Review : -
Mini-Hydropower	: 0	F/S : Completed
Water Supply	: 0	D/D : Completed
Watershed Protection	: 3,063	Construction: within 1st 5 years
5. Grand Total	: 10,276	

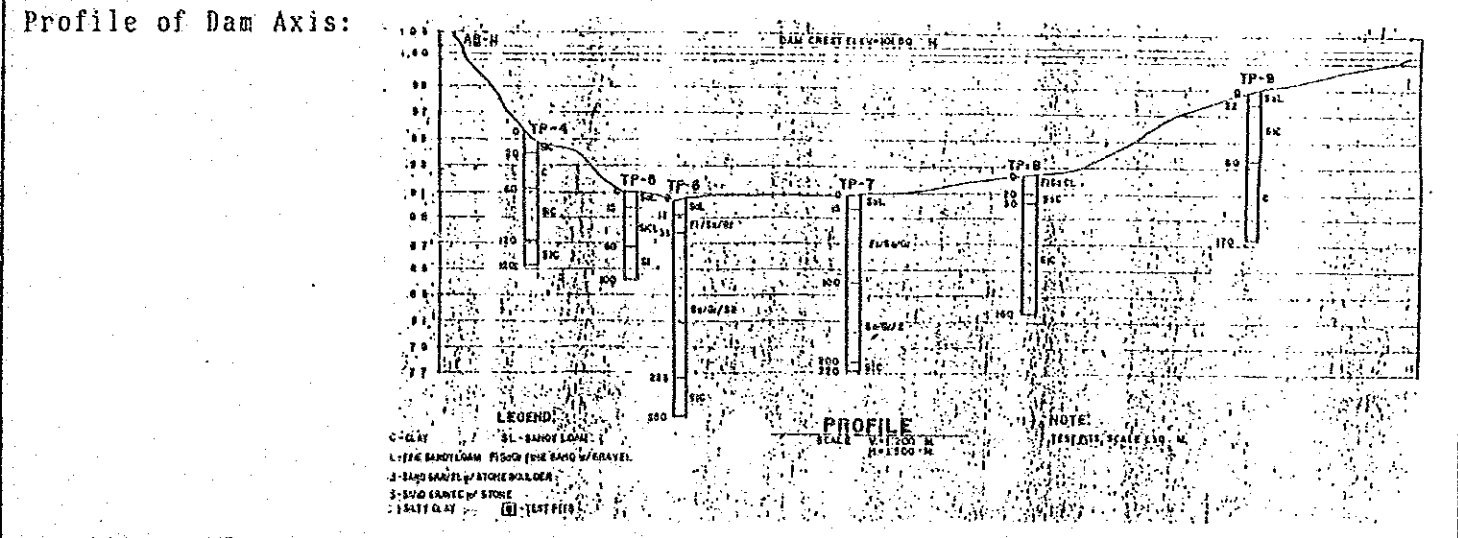
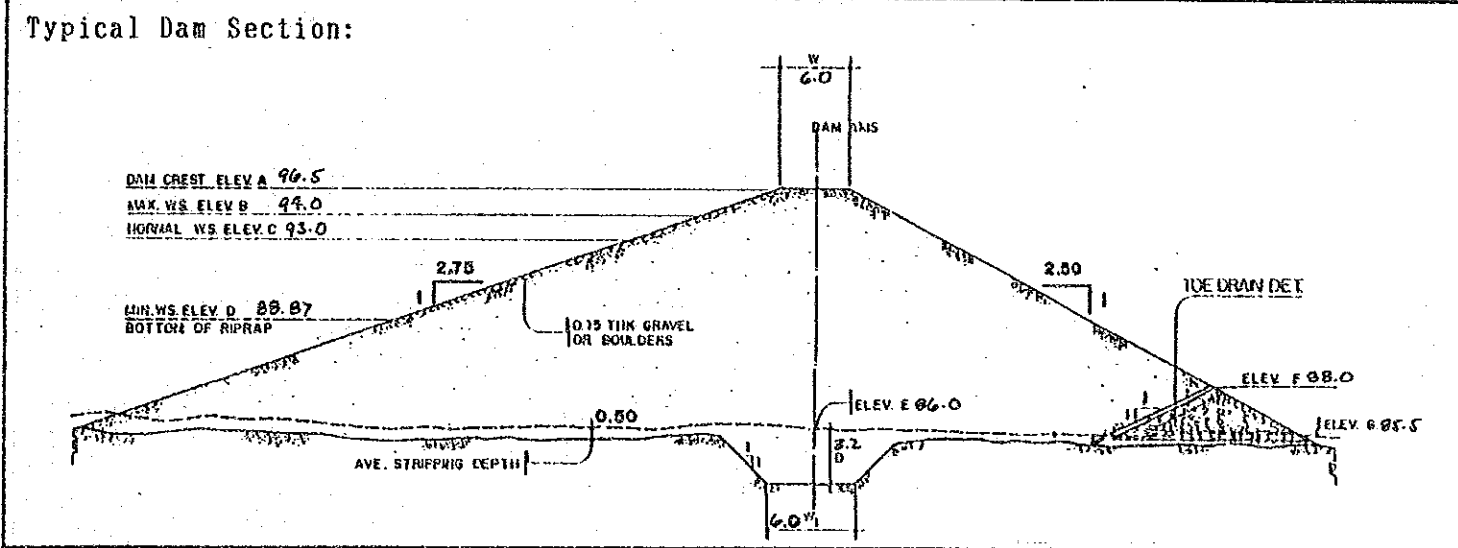
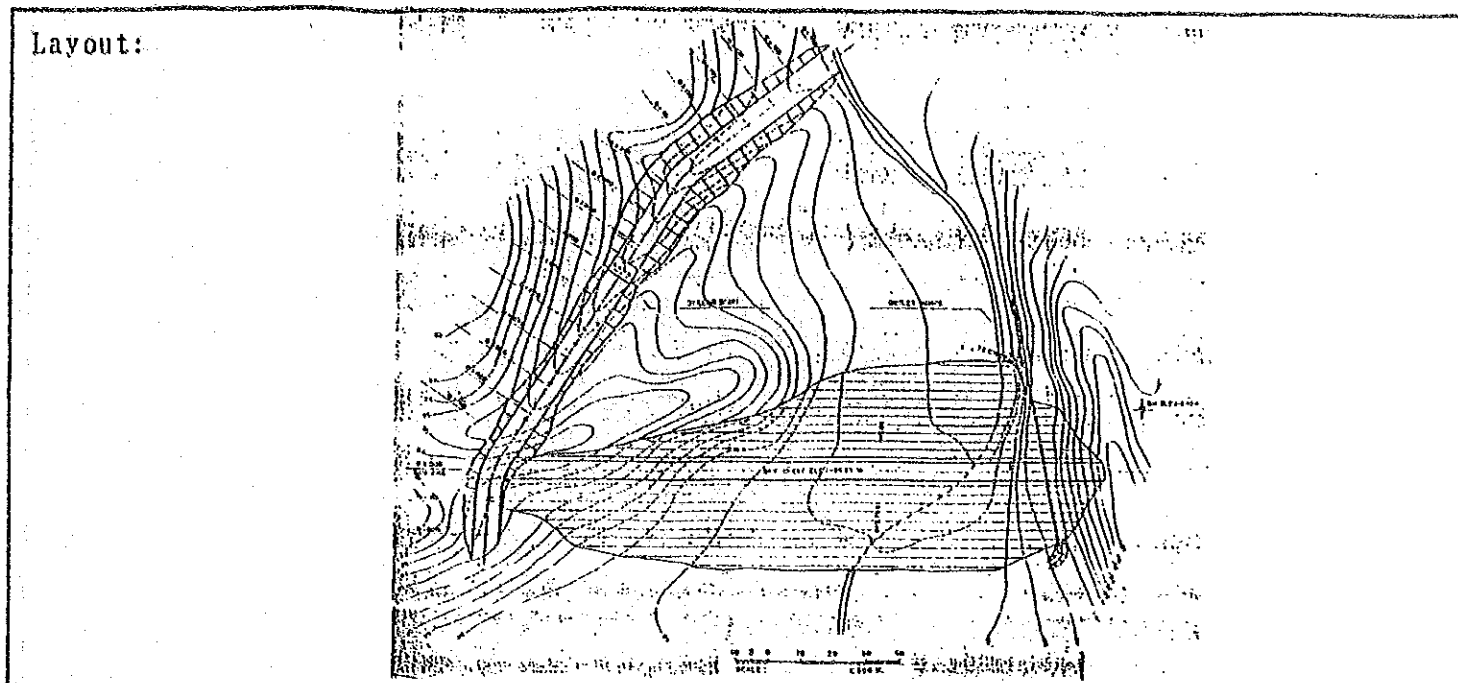


Note: Silt with more than 1.5 m depth is piled up on the volcanic tuff. Permeability test in silt and tuff layer is required.

SWIM PROJECT PROFILE		File No. : 214
Regist. No. : Agency No. : BSWM-134	Name : SAN RAFAL SWIP	
Region : 11	Province : DAVAO ORIENTAL	Municipality : CATEEL
Present Status : 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 12 m
	: Effective Storage Capacity	: 206,731 m <sup>3</sup>
	: Embankment Volume	: 48,391 m <sup>3</sup>
	: Design Flood Discharge	: 14 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 35 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 36 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 8 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Stability analysis is necessary not only for upstream slope of the dam but also for sliding in the soft foundation. Center line of the spillway shall be shifted to left side. Weir shall be provided in the spillway. Center line of conduit is recommended to be straight.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 43	EIRR : 9.5 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : A
4. Construction	: 4,667	(OECF Candidate)
Dam	: 777	Implementation Schedule:
Irrigation	: 0	Review : within 1st 5 years
Mini-Hydropower	: 0	F/S : Completed
Water Supply	: 875	D/D : Completed
Watershed Protection	: 0	Construction: within 1st 5 years
5. Grand Total	: 6,362	



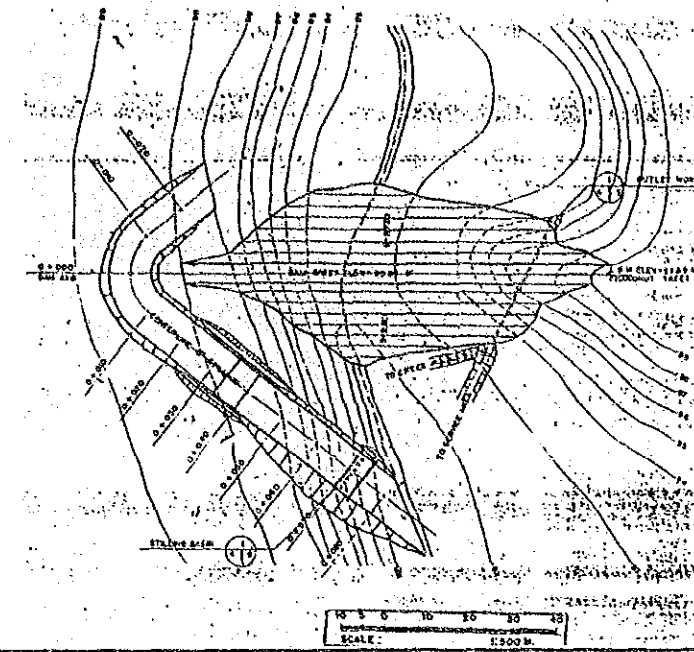
SWIM PROJECT PROFILE		File No. : 215
Regist. No. : Agency No. : BSWM-135	Name: BUKAY-PAIT SWIP	
Region: 11	Province: SOUTH COTABATO	Municipality: TANTANGAN
Present Status: 1. Pre-F/S( ) ② F/S(1983) ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 11 m
	: Effective Storage Capacity	: 146,733 m <sup>3</sup>
	: Embankment Volume	: 41,000 m <sup>3</sup>
	: Design Flood Discharge	: 28 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 135 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 174 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 6 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Stability of upstream slope of the dam shall be checked. Center line of the spillway shall be shifted to left side. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 17.5 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : A
4. Construction	: 5,090	(OECF Candidate)
Dam	: 2,995	Implementation Schedule:
Irrigation	: 0	Review : -
Mini-Hydropower	: 0	F/S : Completed
Water Supply	: 4,230	D/D : Completed
Watershed Protection	: 12,315	Construction: within 1st 5 years
5. Grand Total		



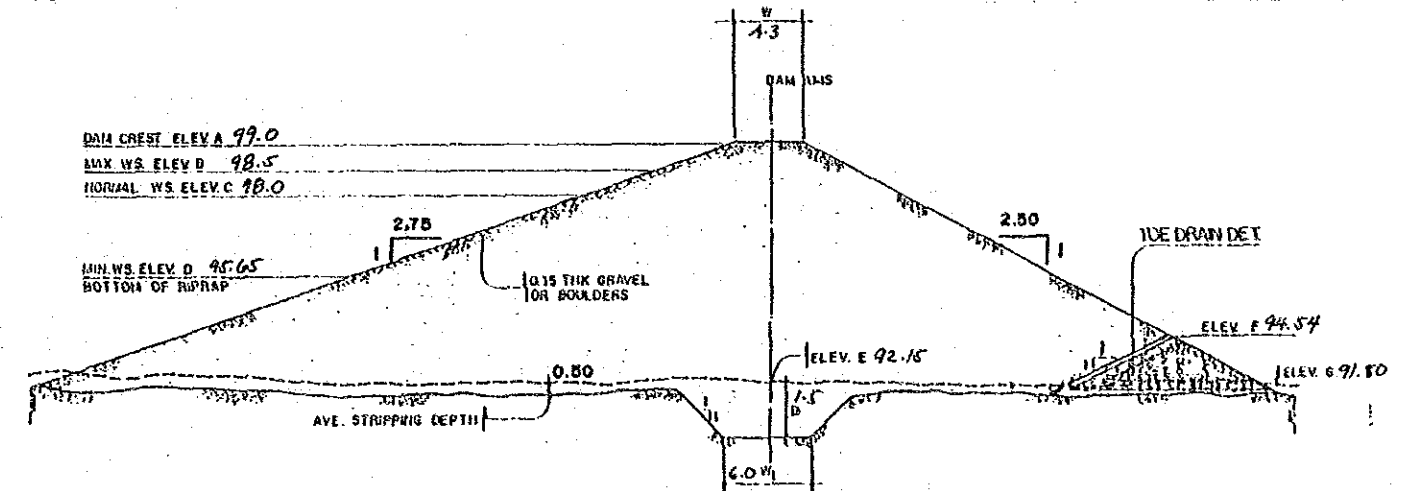
Note: Sand and gravel with 2.0 m depth is deposited on the sand stone, shale and conglomerate.

SWIM PROJECT PROFILE		File No. : 216
Regist.No. : Agency No. : BSWM-136	Name : LIBUDON SWIP	
Region : 11	Province : DAVAO ORIENTAL	Municipality : MATI
Present Status : 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 7 m
	: Effective Storage Capacity	: 17,750 m <sup>3</sup>
	: Embankment Volume	: 6,100 m <sup>3</sup>
	: Design Flood Discharge	: 7 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 30 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 18 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 2 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Weir shall bUp stream slope of dam shall be checked by stability		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 14.6 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	: 1,739	Implementation Schedule:
Dam	: 1,739	Review : -
Irrigation	: 666	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jan. 1989; 6 months
Watershed Protection	: 436	
5. Grand Total	: 2,841	

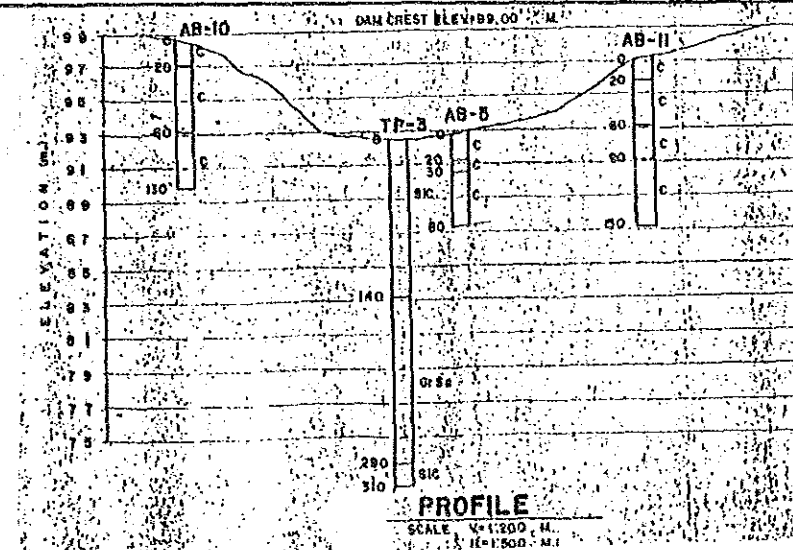
Layout:



Typical Dam Section:

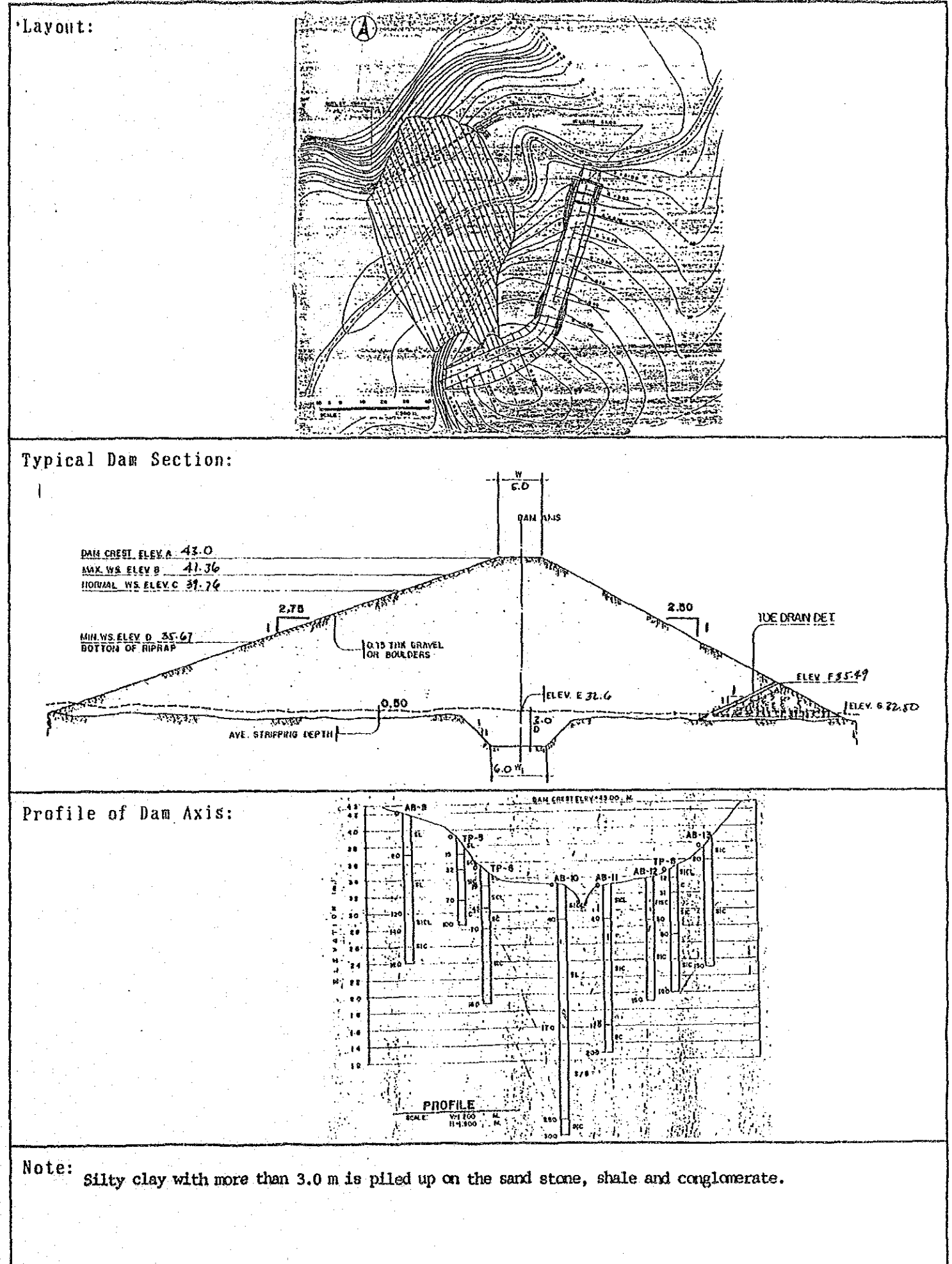


Profile of Dam Axis:



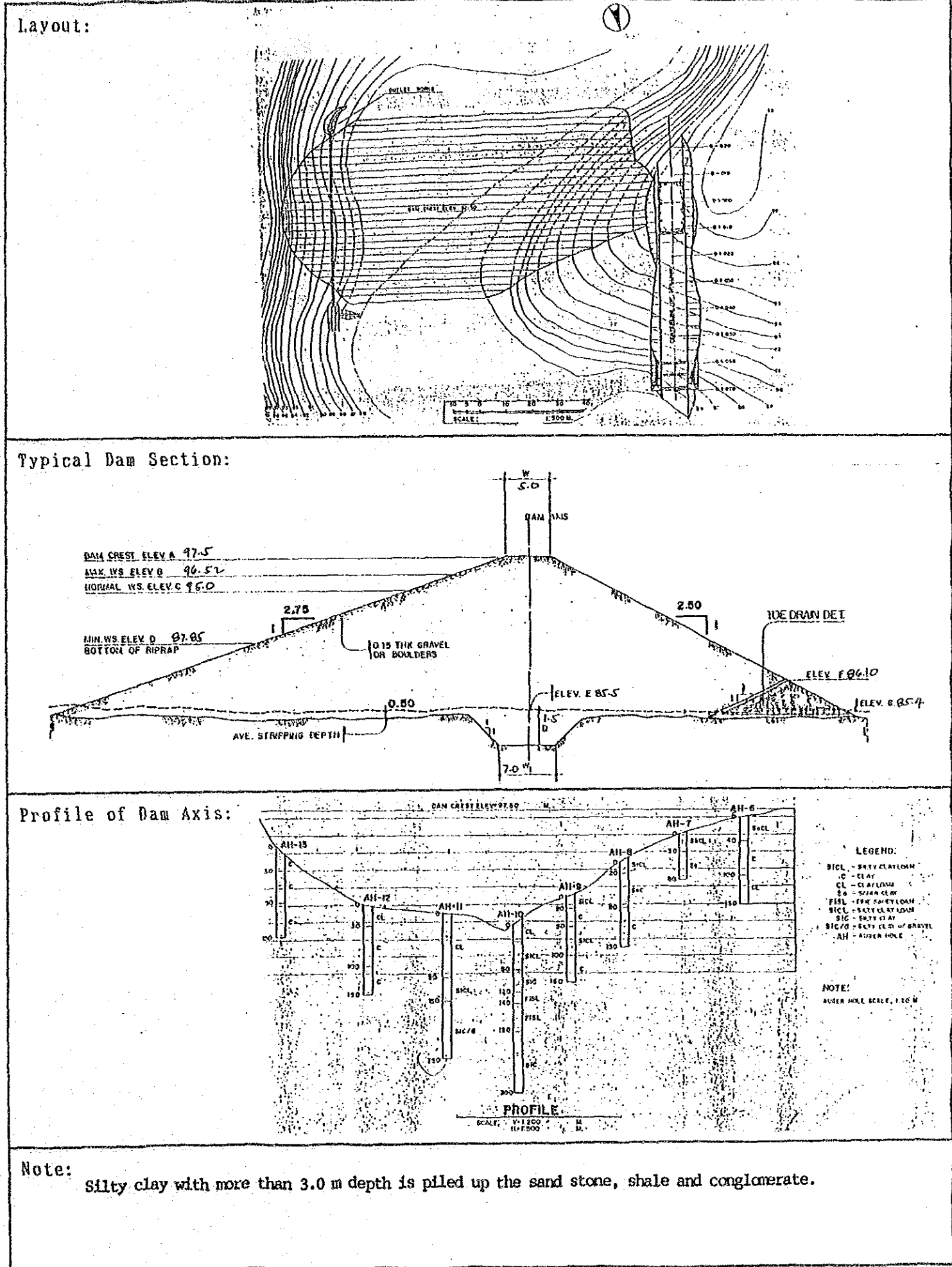
Note: Sandy clay with more than 2.0 m depth is piled up on the metamorphosed shale, sand stone and mxl stone associated with volcanic basalt to andesite composition.

SWIM PROJECT PROFILE		File No. : 217
Regist. No. : Agency No. : BSWM-137	Name: DUMADALIG SWIP	
Region: 11	Province: SOUTH COTABATO	Municipality: TANTANGAN
Present Status: 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 11 m
	: Effective Storage Capacity	: 68,848 m <sup>3</sup>
	: Embankment Volume	: 2,400 m <sup>3</sup>
	: Design Flood Discharge	: 27 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 40 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 150 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 3 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Center line of the spillway shall be shifted to right side. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 13.9 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	:	Implementation Schedule:
Dam	: 3,533	Review : -
Irrigation	: 888	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jul. 1998; 6 months
Watershed Protection	: 3,646	
5. Grand Total	: 8,066	



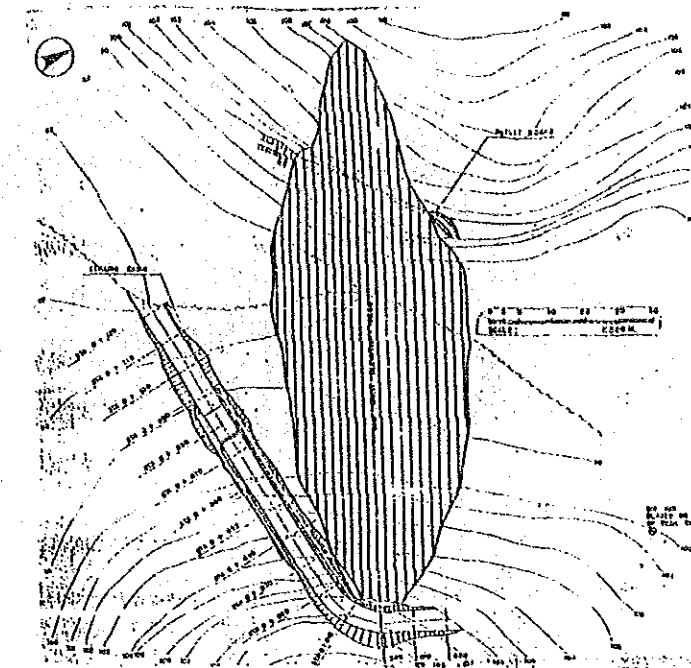


SWIM PROJECT PROFILE		File No. : 218
Regist.No.:	Name:	
Agency No.: BSWM-138	LIBASAN SWIP	
Region:	Province:	Municipality:
11	DAVAO DEL NORTE	NABUNTURAN
Present Status:	1. Pre-F/S( ) (2) F/S(1983) (3) D/D(1983)	
Purpose: Major	: Irrigation	
Incidental	: IF, FC, WM	
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 12 m
	: Effective Storage Capacity	: 551,755 m <sup>3</sup>
	: Embankment Volume	: 47,000 m <sup>3</sup>
	: Design Flood Discharge	: 42 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 190 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 246 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 18 ton/year
Technical Assessment:		
1. Survey and Investigation:	Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.	
2. Planning	Environmental conservation plan is not formulated.	
3. Design	Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Center line of the spillway shall be shifted to left side. Weir shall be provided in the spillway.	
4. Operation and Maintenance	Not studied.	
Fund Requirement: (1,000 Pesos)	Project Evaluation:	
1. Review	: 0	EIRR : 27.7 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : A
4. Construction	: 0	Implementation Schedule:
Dam	: 5,908	Review : -
Irrigation	: 4,216	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jul.1993;9 months
Watershed Protection	: 5,981	
5. Grand Total	: 16,105	

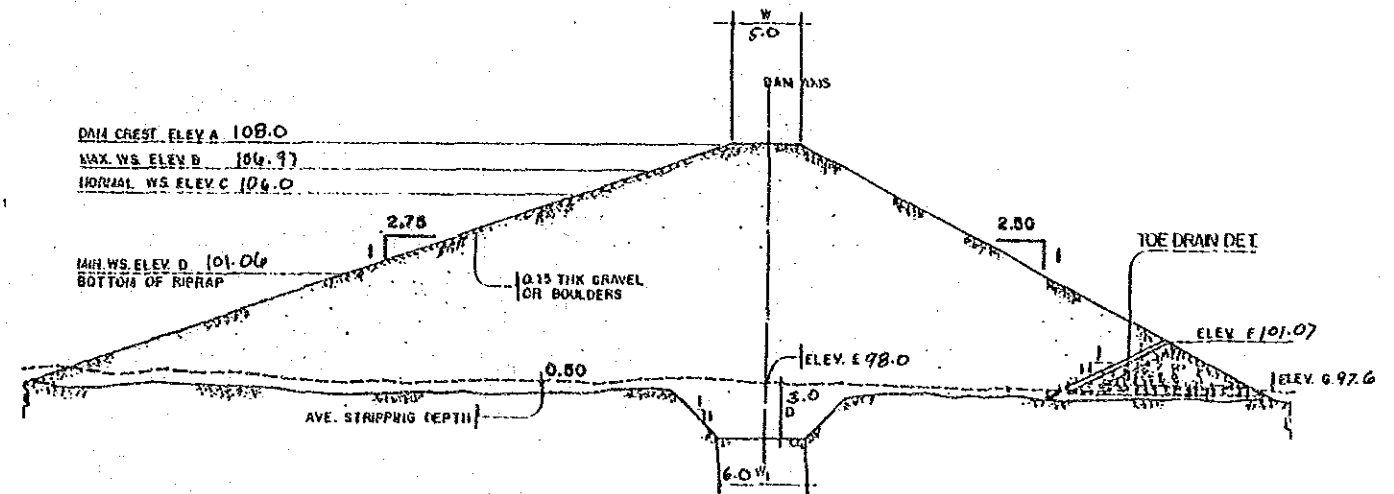


SWIM PROJECT PROFILE		File No. : 219
Regist. No. : Agency No. : BSWM-139	Name : FLORIDA SWIP	
Region : 11	Province : DAVAO DEL NORTE	Municipality : CAPALONG
Present Status: 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 10 m
	: Effective Storage Capacity	: 313,912 m <sup>3</sup>
	: Embankment Volume	: 31,800 m <sup>3</sup>
	: Design Flood Discharge	: 21 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 150 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 80 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 13 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Center line of the spillway shall be shifted to left side. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 31.7 %
2. Feasibility Study	: 0	
3. Detailed Design	: 0	Priority Rating:
4. Construction	: 0	Group : A
Dam	: 4,215	(OECF Candidate)
Irrigation	: 3,328	Implementation Schedule:
Mini-Hydropower	: 0	Review : -
Water Supply	: 0	F/S : Completed
Watershed Protection	: 2,188	D/D : Completed
5. Grand Total	: 9,731	Construction: within 1st 5 years

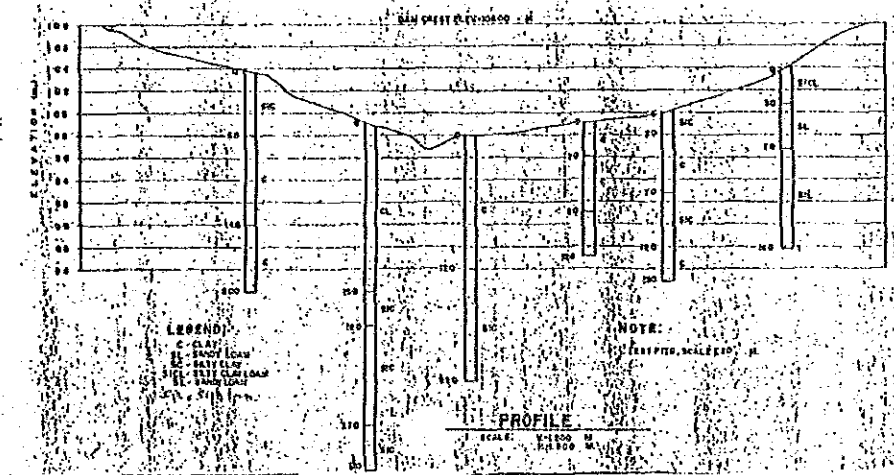
Layout:



Typical Dam Section:



Profile of Dam Axis:

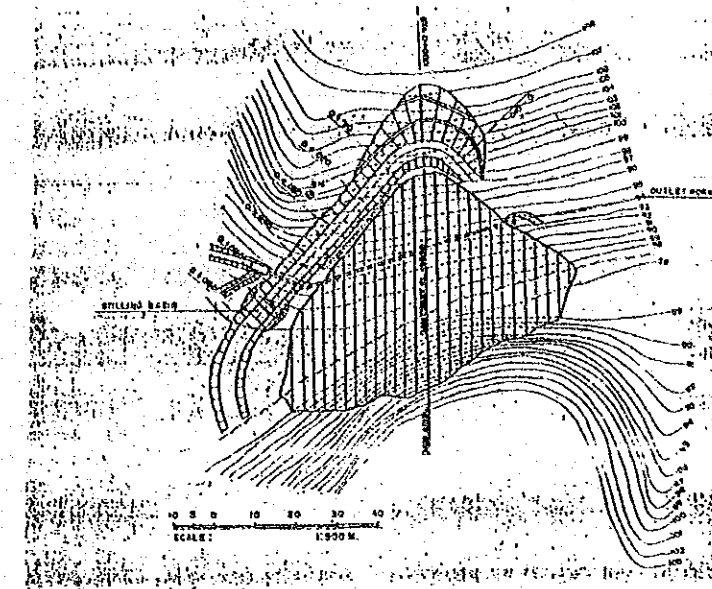


Note:

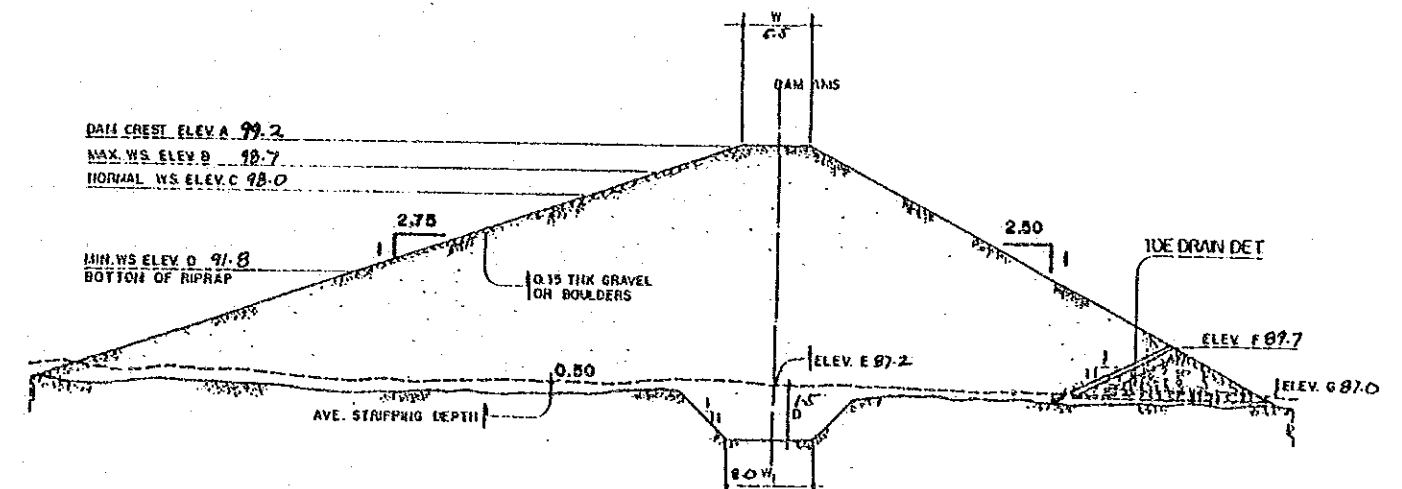
Silty clay with more than 3.0 m depth is piled up on the sand stone, shale and conglomerate.

SWIM PROJECT PROFILE		File No. : 220
Regist. No. : Agency No. : BSWM-140	Name: DAUMAN SWIP	
Region: 11	Province: DAVAO DEL NORTE	Municipality: MONTEVISTA
Present Status: 1. Pre-F/S( ) ② F/S(1983) ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	Dam Type : HOMOGENEOUS EARTHFILL	
	Dam Height : 12 m	
	Effective Storage Capacity : 134,163 m <sup>3</sup>	
	Embankment Volume : 12,695 m <sup>3</sup>	
	Design Flood Discharge : 10 m <sup>3</sup> /sec.	
2. Irrigation	Irrigation Area : 40 ha	
3. Mini-hydropower	Installed Capacity : 0 kW	
4. Watershed Man.	Watershed Protection Area : 30 ha	
5. Water Supply	Design Supply Capacity : 0 m <sup>3</sup> /day	
6. Inland Fishery	Annual Production : 6 ton/year	
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Freeboard is not enough. Weir shall be provided in the spillway.		
4. Operation and Maintenance Not studied.		
Fund Requirement:(1,000 Pesos)		Project Evaluation:
1. Review	: 26	EIRR : 14.5 %
2. Feasibility Study	: 0	
3. Detailed Design	: 0	Priority Rating:
4. Construction		Group : A
Dam	: 2,422	Implementation Schedule:
Irrigation	: 888	Review : 1994
Mini-Hydropower	: 0	F/S : Completed
Water Supply	: 0	D/D : Completed
Watershed Protection	: 729	Construction: Jan.1995;6 months
5. Grand Total	: 4,064	

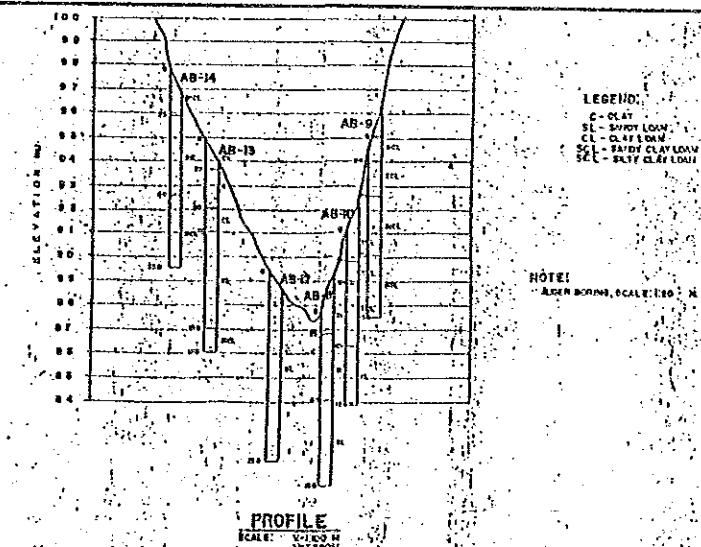
Layout:



Typical Dam Section:



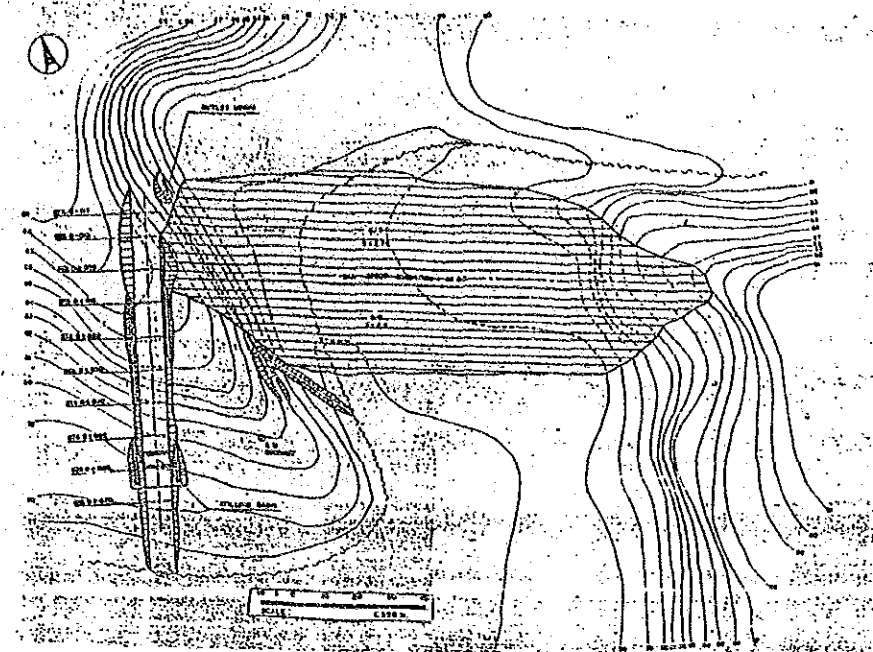
Profile of Dam Axis:



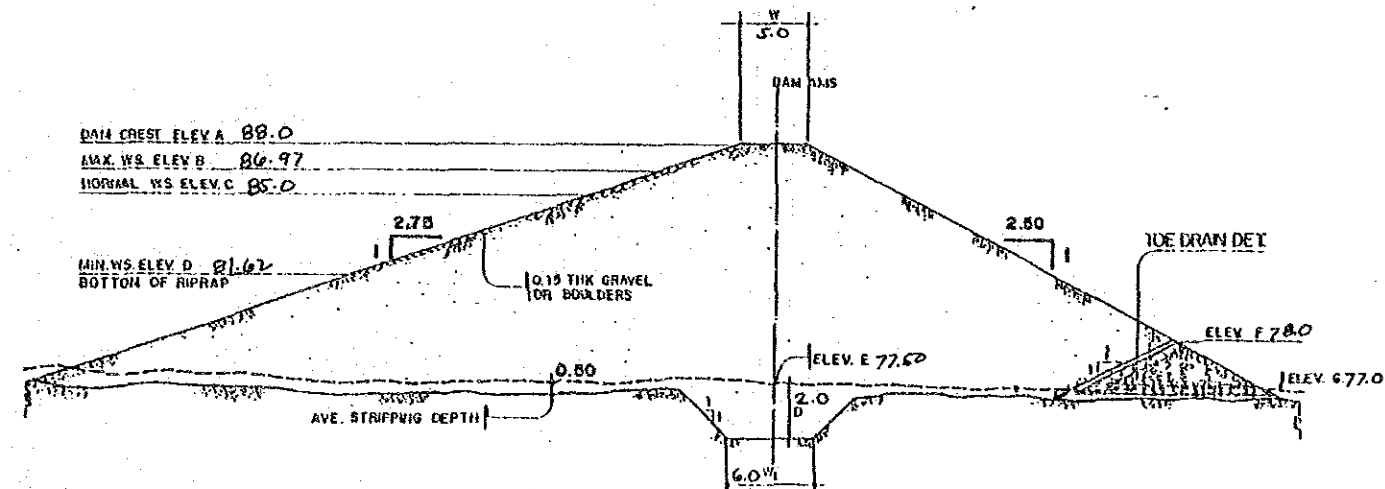
Note: Silty clay with more than 1.5 m depth is piled up on the sand stone and shale. Additional 0.5 m freeboard is necessary.

SWIM PROJECT PROFILE		File No. : 221
Regist. No. : Agency No. : BSWM-141	Name : SAN NICOLAS SWIP	
Region : 11	Province : DAVAO DEL SUR	Municipality : DIGOS
Present Status : 1. Pre-F/S( )    ② F/S(1983)    ③ D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 11 m
	: Effective Storage Capacity	: 111,316 m <sup>3</sup>
	: Embankment Volume	: 39,400 m <sup>3</sup>
	: Design Flood Discharge	: 42 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 80 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 168 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 6 ton/year
Technical Assessment:		
1. Survey and Investigation:		
Depth of test pit or auger boring is not enough.		
Bearing capacity and permeability are not measured.		
Available volume for dam embankment shall be studied before construction.		
2. Planning		
Annual production of inland fishery is over-estimated.		
Environmental conservation plan is not formulated.		
3. Design		
Stability of upstream slope of the dam shall be checked.		
Center line of the spillway shall be shifted to right side.		
Weir shall be provided in the spillway.		
4. Operation and Maintenance		
Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 22.1 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : A
4. Construction	: 0	(OECF Candidate)
Dam	: 4,694	Implementation Schedule:
Irrigation	: 1,775	Review : -
Mini-Hydropower	: 0	F/S : Completed
Water Supply	: 0	D/D : Completed
Watershed Protection	: 4,085	Construction: within 1st 5 years
5. Grand Total	: 10,554	

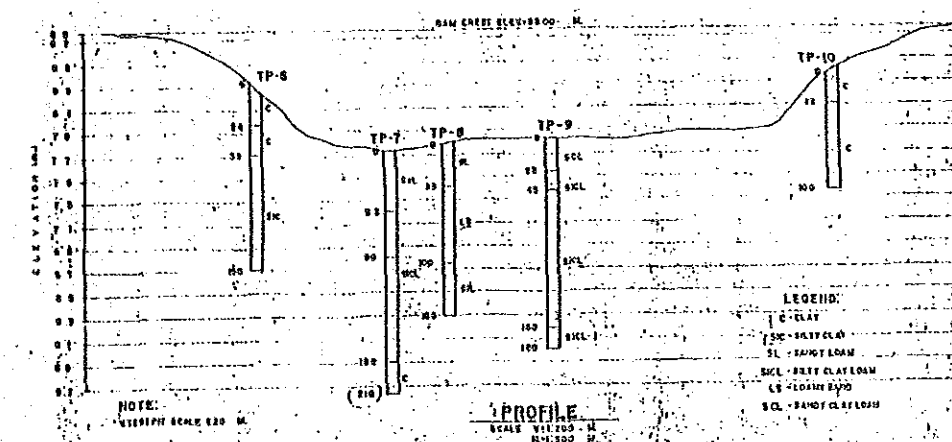
Layout:



Typical Dam Section:



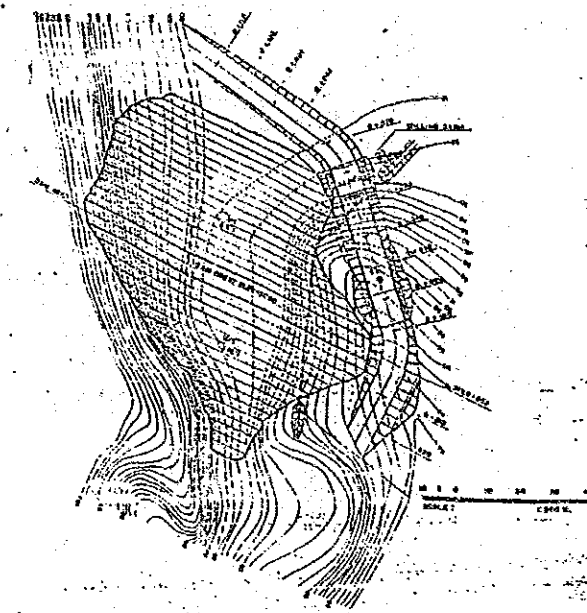
Profile of Dam Axis:



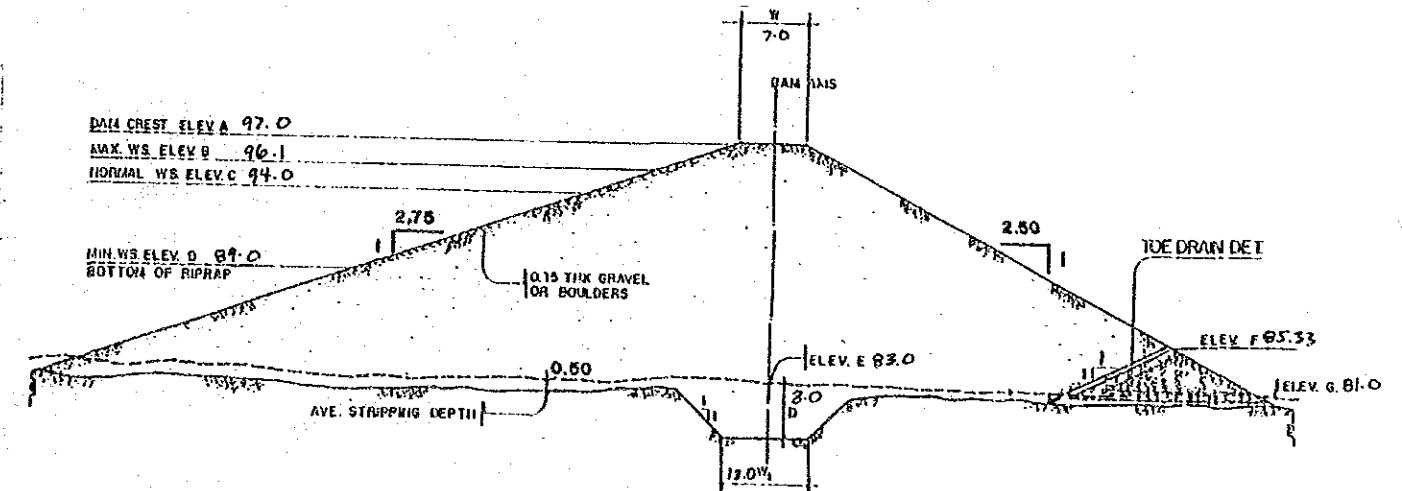
Note: Clay with more than 2.0 m depth is piled up on the basalt, andesite and agglomerate.

SWIM PROJECT PROFILE		File No. : 222
Regist. No. : Agency No. : BSWM-142	Name: BOLTON SWIP	
Region: 11	Province: DAVAO DEL SUR	Municipality: MALALAG
Present Status: 1. Pre-F/S( ) (2) F/S(1983) (3) D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	: Dam Type	: HOMOGENEOUS EARTHFILL
	: Dam Height	: 16 m
	: Effective Storage Capacity	: 49,963 m <sup>3</sup>
	: Embankment Volume	: 43,250 m <sup>3</sup>
	: Design Flood Discharge	: 41 m <sup>3</sup> /sec.
2. Irrigation	: Irrigation Area	: 120 ha
3. Mini-hydropower	: Installed Capacity	: 0 kW
4. Watershed Man.	: Watershed Protection Area	: 138 ha
5. Water Supply	: Design Supply Capacity	: 0 m <sup>3</sup> /day
6. Inland Fishery	: Annual Production	: 2 ton/year
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Design discharge shall be estimated based on 100 year's flood or more. Center line of the spillway shall be shifted to right side. Weir shall be provided in the spillway. Center line of conduit is recommended to be straight.		
4. Operation and Maintenance Not studied.		
Fund Requirement: (1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 19.5 %
2. Feasibility Study	: 0	Priority Rating:
3. Detailed Design	: 0	Group : B
4. Construction	:	Implementation Schedule:
Dam	: 5,946	Review :
Irrigation	: 2,663	F/S : Completed
Mini-Hydropower	: 0	D/D : Completed
Water Supply	: 0	Construction: Jul. 1986; 9 months
Watershed Protection	: 3,335	
5. Grand Total	: 11,944	

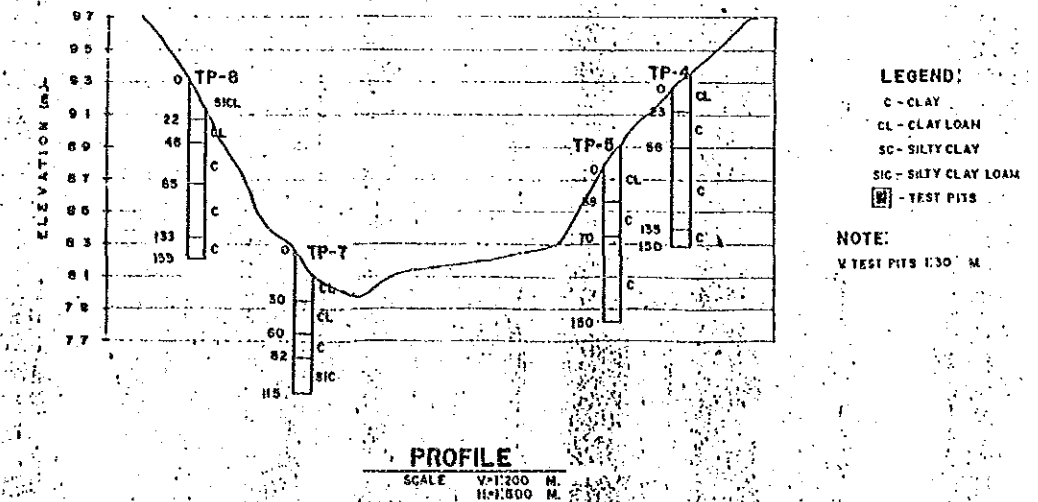
Layout:



Typical Dam Section:



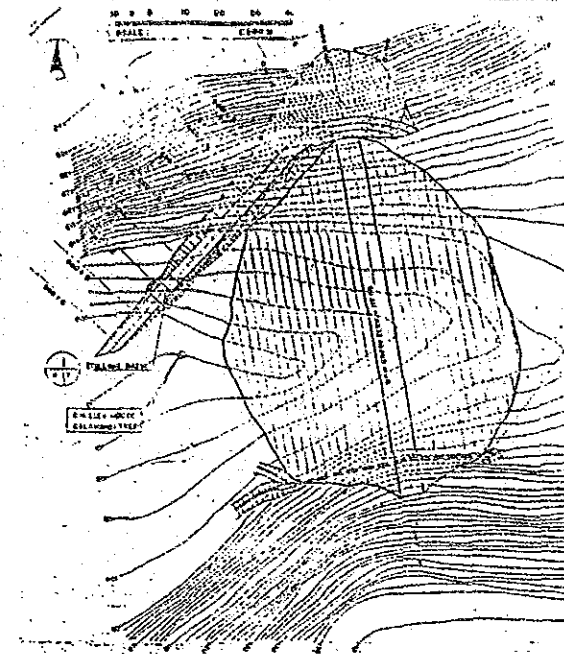
Profile of Dam Axis:



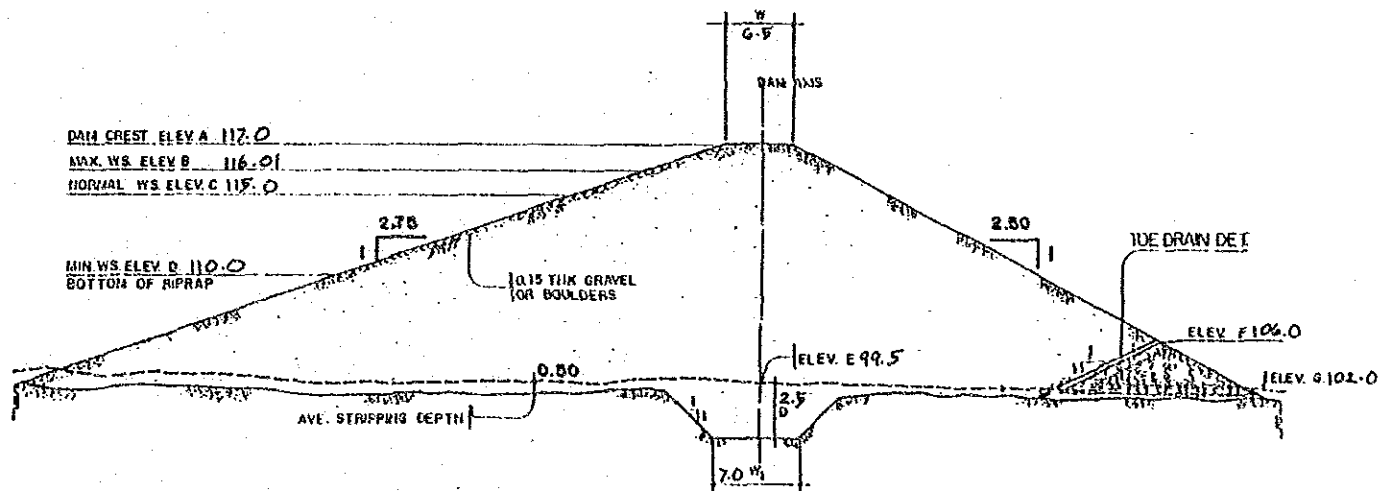
Note: Clay with more than 1.5 m depth is piled up on the andesite and basalt.

SWIM PROJECT PROFILE		File No. : 223
Regist. No. : Agency No. : BSWM-143	Name: PEDTAP SWIP	
Region: 12	Province: NORTH COTABATO	Municipality: CABACAN
Present Status: 1. Pre-F/S( ) (2) F/S(1983) (3) D/D(1983)		
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:		
1. Dam	Dam Type : HOMOGENEOUS EARTHFILL	
	Dam Height : 15 m	
	Effective Storage Capacity : 67,053 m <sup>3</sup>	
	Embankment Volume : 39,000 m <sup>3</sup>	
	Design Flood Discharge : 9 m <sup>3</sup> /sec.	
2. Irrigation	Irrigation Area : 80 ha	
3. Mini-hydropower	Installed Capacity : 0 kW	
4. Watershed Man.	Watershed Protection Area : 30 ha	
5. Water Supply	Design Supply Capacity : 0 m <sup>3</sup> /day	
6. Inland Fishery	Annual Production : 3 ton/year	
Technical Assessment:		
1. Survey and Investigation: Depth of test pit or auger boring is not enough. Bearing capacity and permeability are not measured. Available volume for dam embankment shall be studied before construction.		
2. Planning Environmental conservation plan is not formulated.		
3. Design Depth of core trench shall be modified during construction. Stability of upstream slope of the dam shall be checked. Design discharge shall be estimated based on 100 year's flood or more. Weir shall be provided in the spillway. Center line of conduit is recommended to be straight.		
4. Operation and Maintenance Not studied.		
Fund Requirement:(1,000 Pesos)		Project Evaluation:
1. Review	: 0	EIRR : 15.0 %
2. Feasibility Study	: 0	
3. Detailed Design	: 0	Priority Rating:
4. Construction	: 5,214	Group : A
Dam	: 1,775	(OECF Candidate)
Irrigation	: 0	Implementation Schedule:
Mini-Hydropower	: 0	Review : -
Water Supply	: 0	F/S : Completed
Watershed Protection	: 729	D/D : Completed
5. Grand Total	: 7,718	Construction: within 1st 5 years

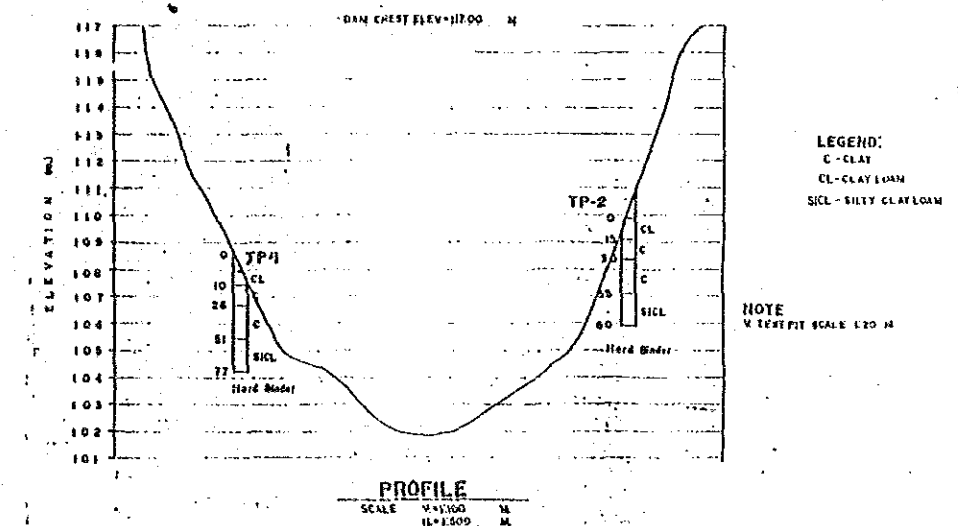
Layout:



Typical Dam Section:



Profile of Dam Axis:



Note: Clay with more than 1.0 m depth is piled up on the shale and sand stone.