

**CANAL DIMENSION TABLE
OF
PROPOSED CENTRAL MAIN CANAL**

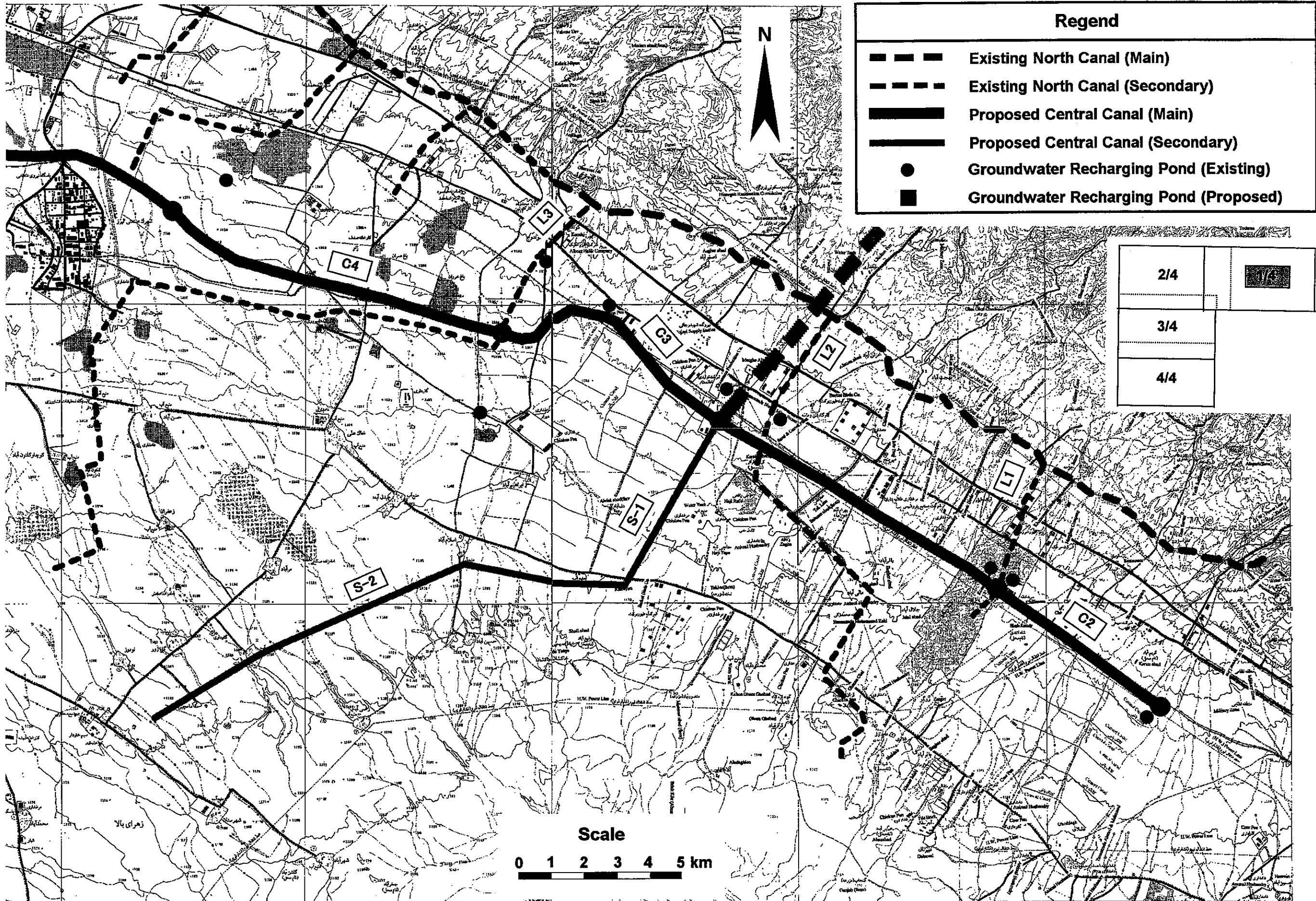
Section	Design Capacity cu.m/s.	Canal Dimensions			
		Length in km.	Width in m.	Height in m.	Slope in m.
C-1	2.50	8.80	1.40	1.10	1:4,000
C-2	0.50	7.20	0.80	0.60	1:4,000
C-3	20.00	9.00	3.40	2.70	1:5,000
C-4	15.00	10.00	3.00	2.40	1:5,000
C-5	14.00	11.00	2.80	2.20	1:5,000
C-6	12.00	15.00	2.60	2.10	1:5,000
C-7	10.00	5.00	2.40	1.90	1:5,000
C-8	9.00	16.00	2.20	1.80	1:4,000
C-9	7.00	13.00	2.00	1.60	1:4,000
C-10	6.00	11.00	1.80	1.40	1:3,000
C-11	5.00	8.00	1.80	1.40	3,000
C-12	3.00	11.00	1.40	1.10	1:3,000
Total		125.00 km.			

**CANAL DIMENSION TABLE
OF
PROPOSED CENTRAL SECONDARY CANAL**

Canal	Design Capacity cu.m/s.	Canal Dimensions			
		Length in km.	Width in m.	Height in m.	Slope in m.
S-1,S-2	4.00	14.00	1.60	1.20	1:3,000
S-2	3.00	8.00	1.40	1.10	1:3,000
S-3	1.50	15.00	1.00	0.80	1:2,000
S-4-1	10.00	4.00	2.40	1.90	1:5,000
S-4-2	1.00	15.00	0.90	0.70	1:2,000
S-5	0.60	13.00	0.80	0.60	1:2,000
S-6	1.90	18.00	1.10	0.90	1:2,000
S-7	0.90	15.00	0.90	0.70	1:2,000
S-8	0.20	3.00	0.50	0.40	1:1,000
S-9	0.20	10.00	0.50	0.40	1:1,000
S-10	2.40	10.00	1.20	1.10	1:2,500
S-11	2.50	10.00	1.20	1.10	1:2,500
S-20	3.00	15.00	1.40	1.10	1:3,000
Total		125.00 km.			

**IRRIGATION CANAL NETWORK IN QAZVIN AREA
EXISTING QAZVIN NORTH CANAL
PROPOSED QAZVIN CENTRAL CANAL**

Figure 10.3.3.2 Route of Proposed Qazvin Central Canal



Regend	
	Existing North Canal (Main)
	Existing North Canal (Secondary)
	Proposed Central Canal (Main)
	Proposed Central Canal (Secondary)
	Groundwater Recharging Pond (Existing)
	Groundwater Recharging Pond (Proposed)

2/4	
3/4	
4/4	

Figure 10.3.3-3 Proposed Qazvin Central Canal (1)

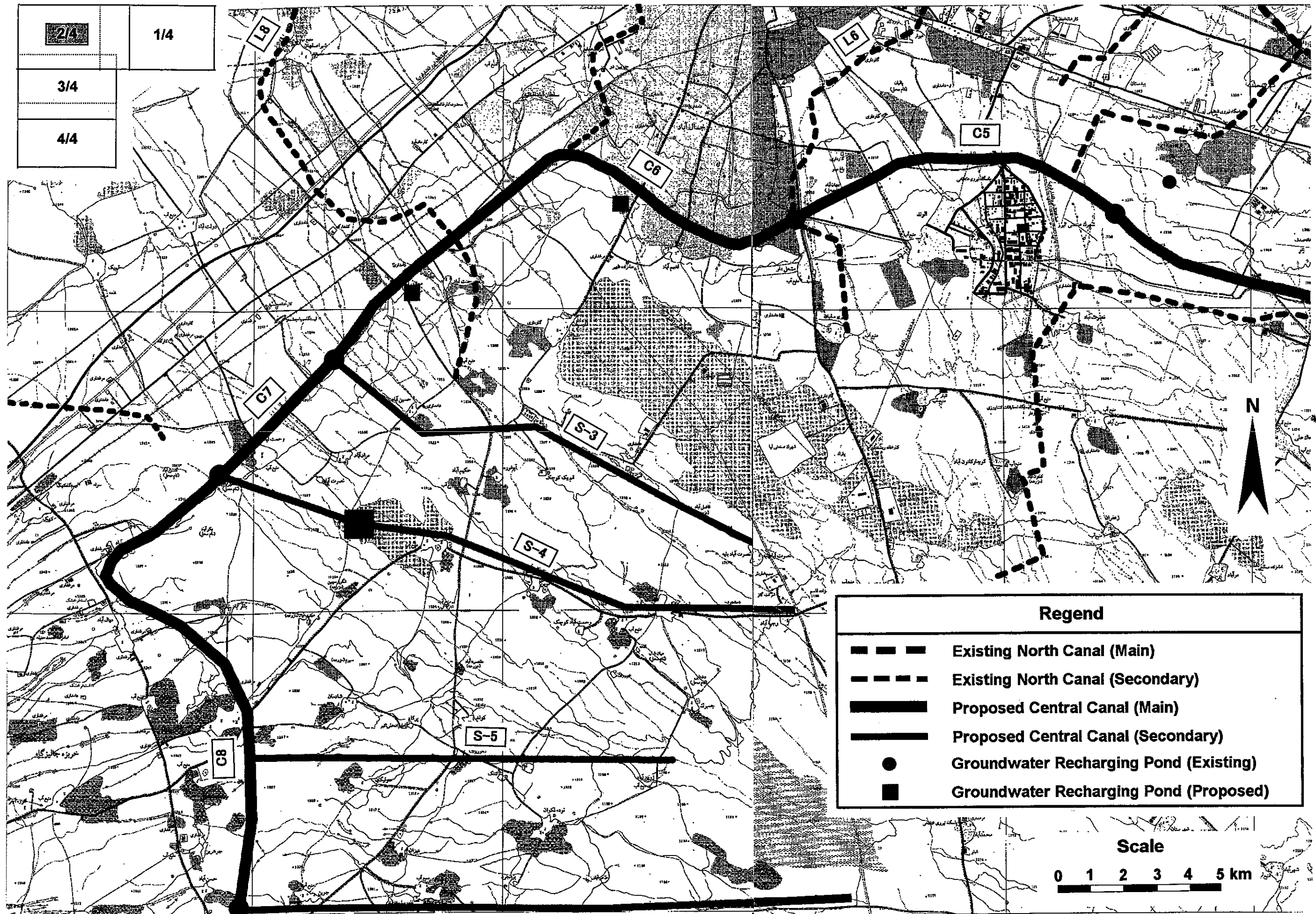


Figure 10.3.3-4 Proposed Qazvin Central Canal (2)

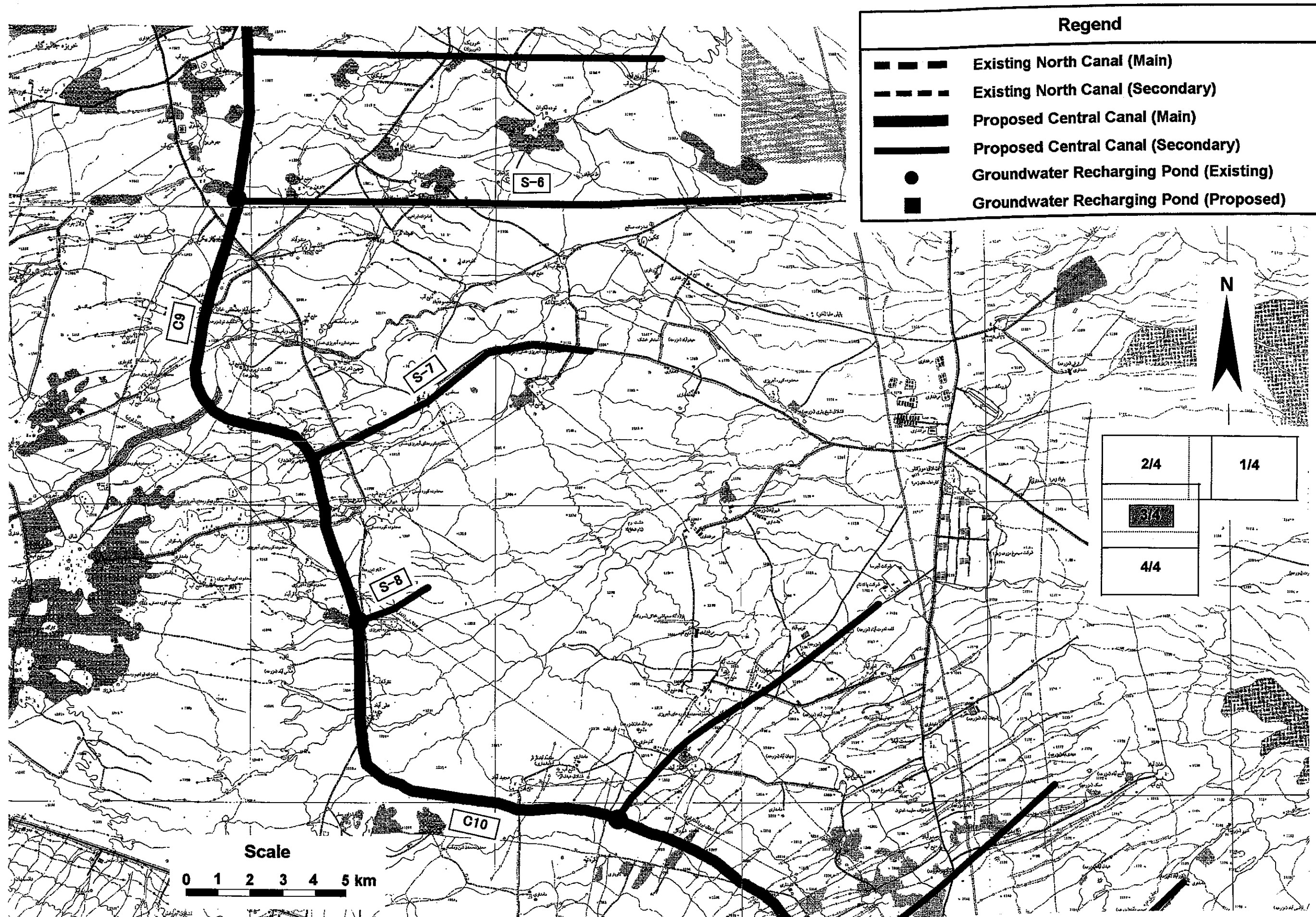
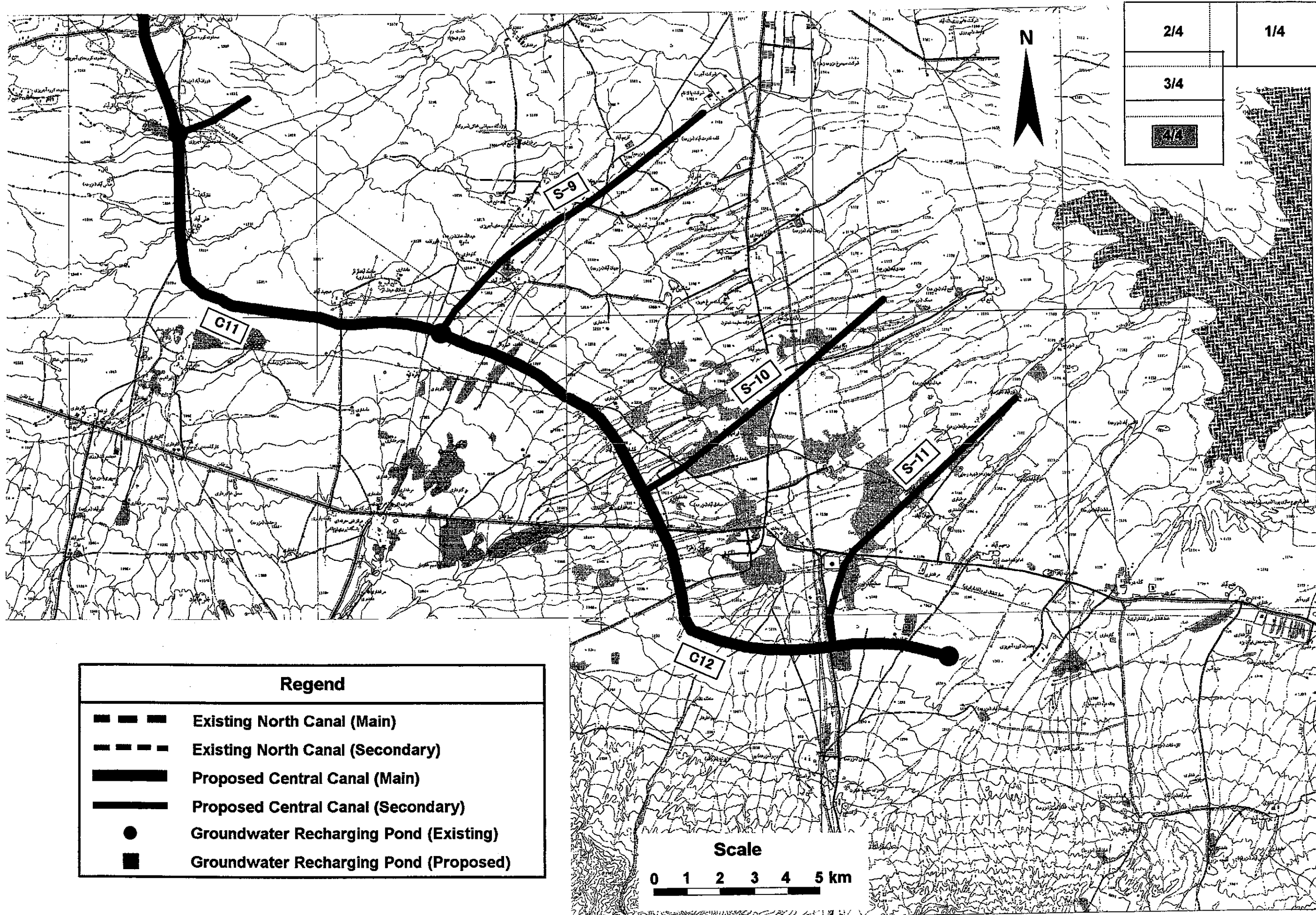








Figure 10.3.3-5 Proposed Qazvin Central Canal (3)



Legend	
	Existing North Canal (Main)
	Existing North Canal (Secondary)
	Proposed Central Canal (Main)
	Proposed Central Canal (Secondary)
	Groundwater Recharging Pond (Existing)
	Groundwater Recharging Pond (Proposed)

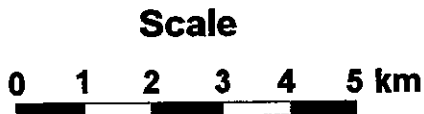
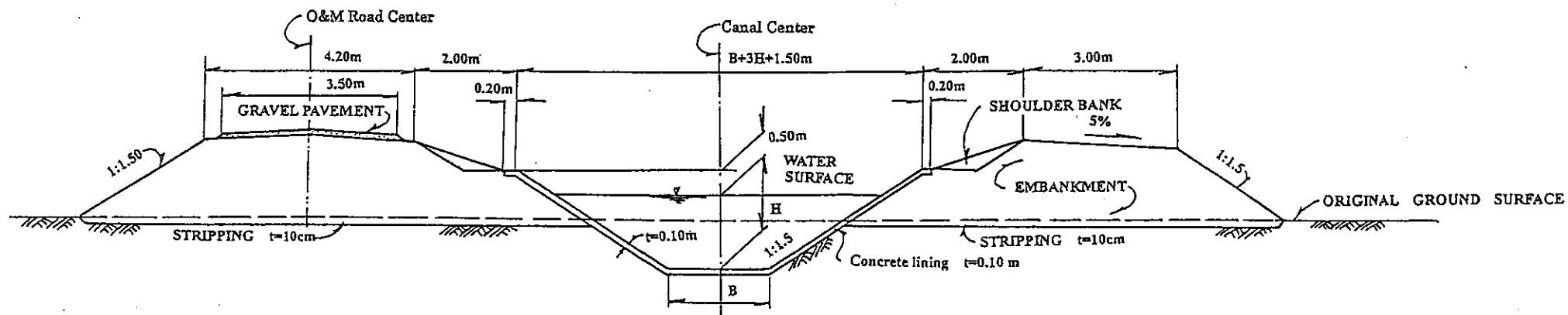
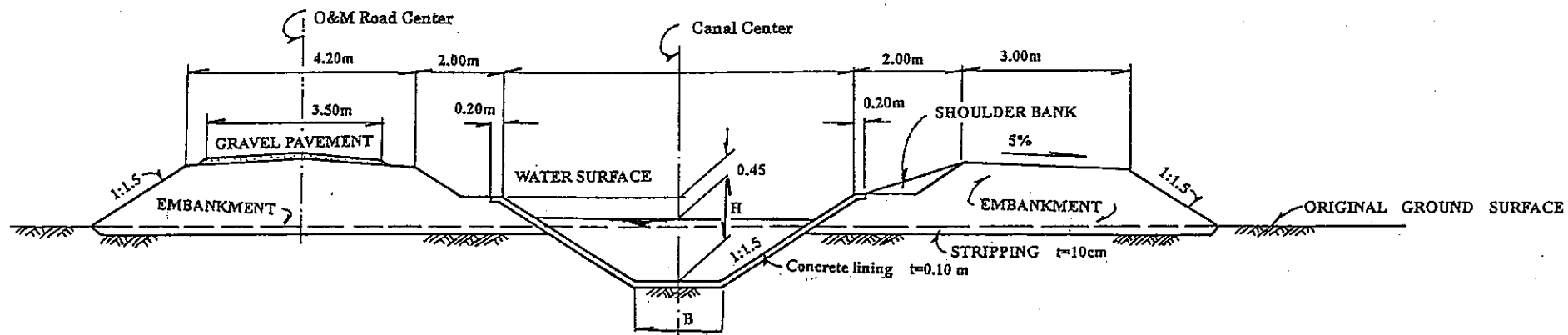


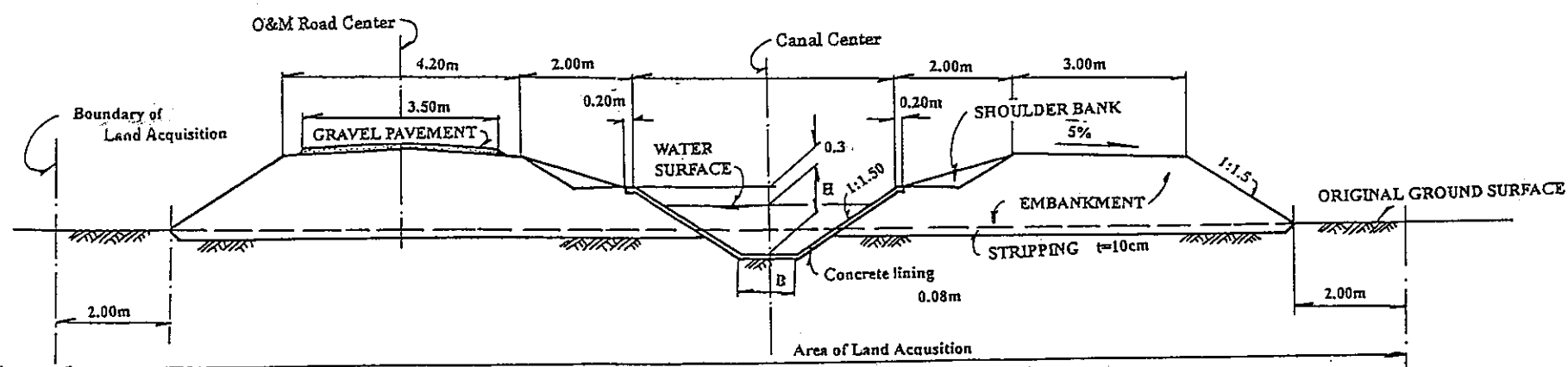
Figure 10.3.3-6 Proposed Qazvin Central Canal (4)



TYPICAL SECTION OF MAIN CANAL ($Q > 10 \text{ cu.m./s}$) NO SCALE
FREE BOARD = 0.50m



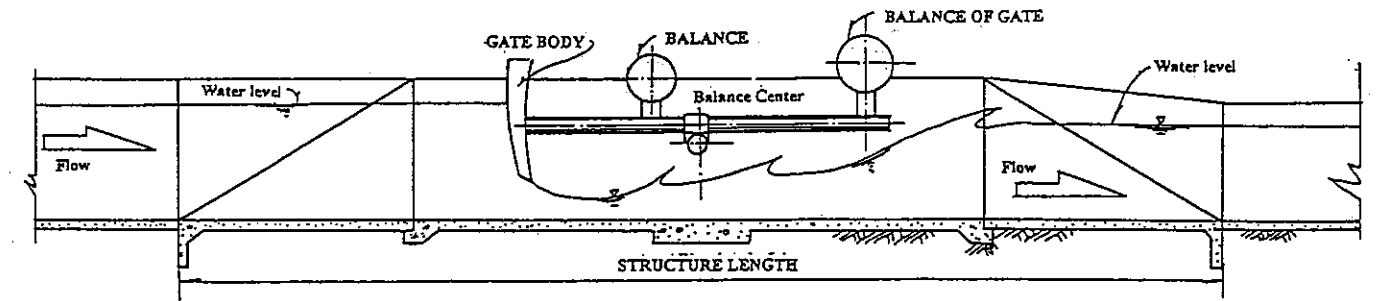
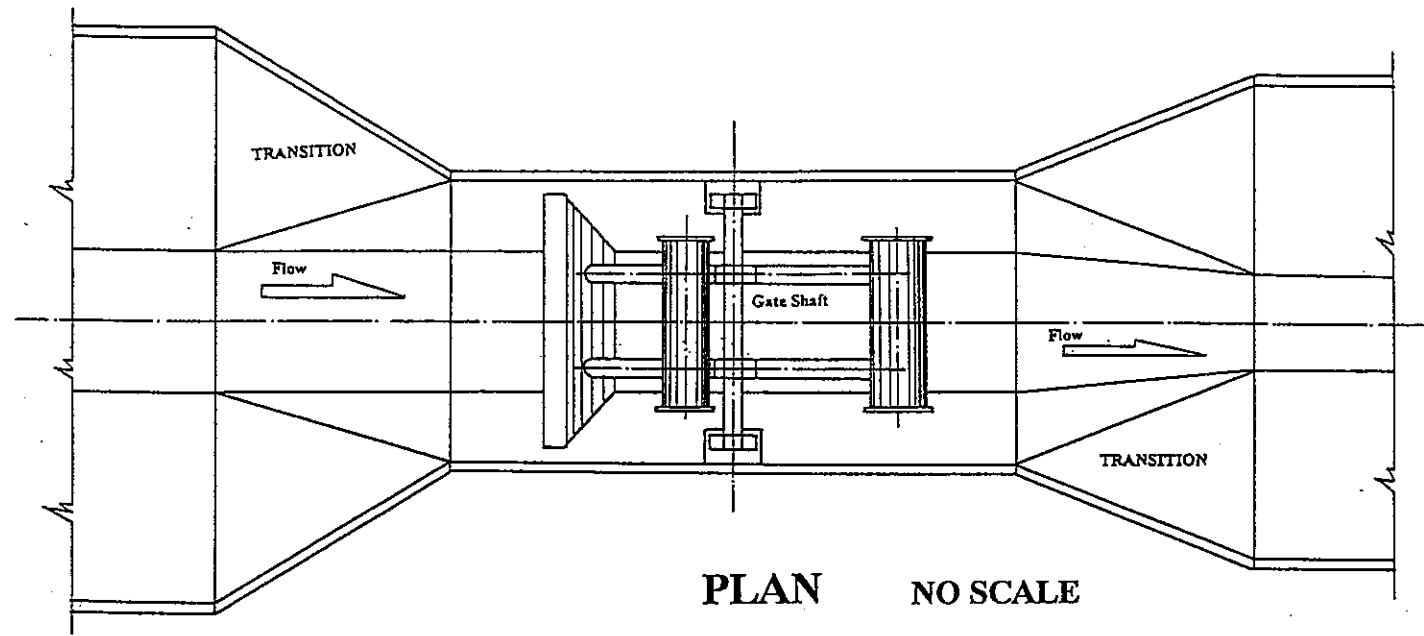
TYPICAL SECTION OF MAIN CANAL ($Q < 10 \text{ cu.m./s}$) NO SCALE
FREE BOARD = 0.45m



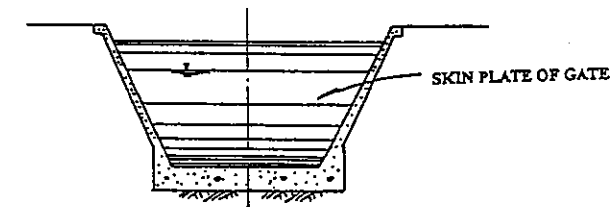
TYPICAL SECTION OF SECONDARY CANAL NO SCALE
FREE BOARD = 0.30m

Figure 10.3.4-1 Typical Section of Qazvin Central Canal

REMARKS: H, B shall be changed due to the hydraulic conditions of the canal.
 Proposed typical section shall be designed under the existing sections of Qazvin canal.
 All dimensions are shown in meter.

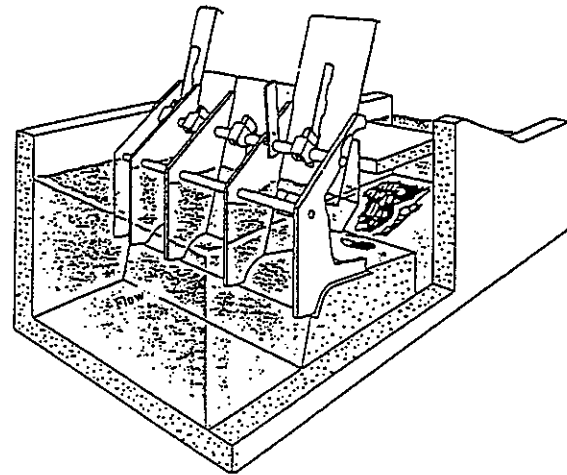
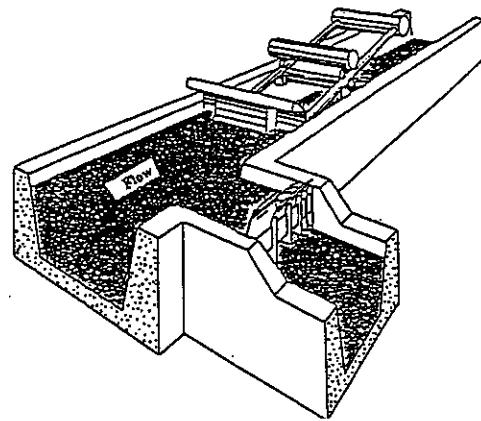


PROFILE NO SCALE

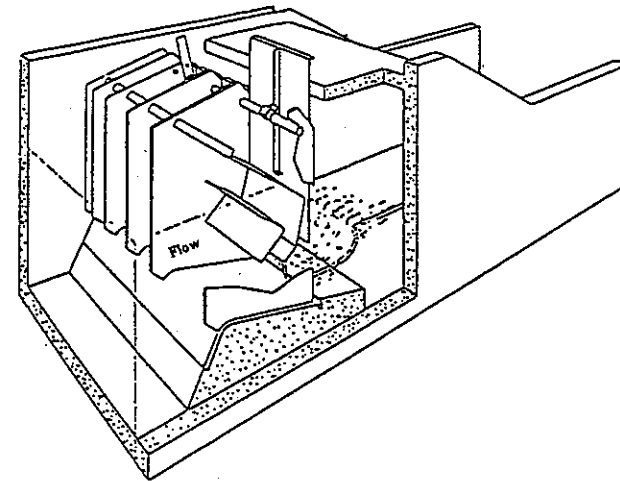


ELEVATION NO SCALE

WATER CHECK GATE

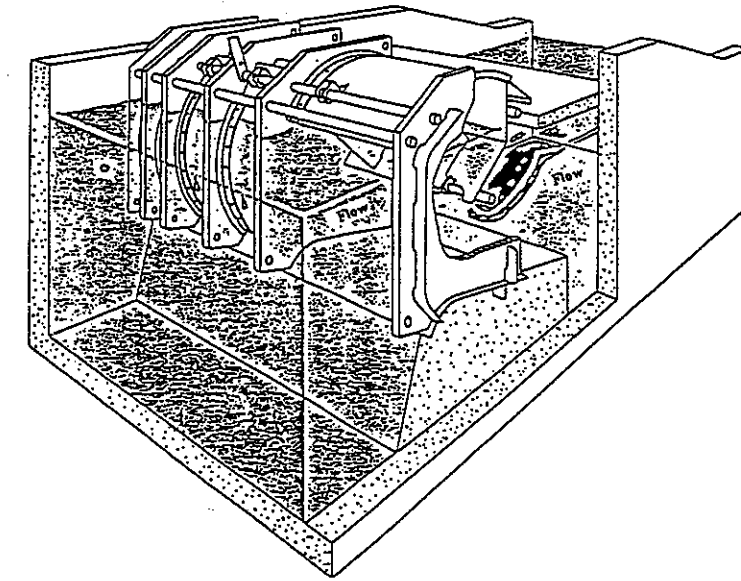


DISTRIBUTOR XX1 TYPE



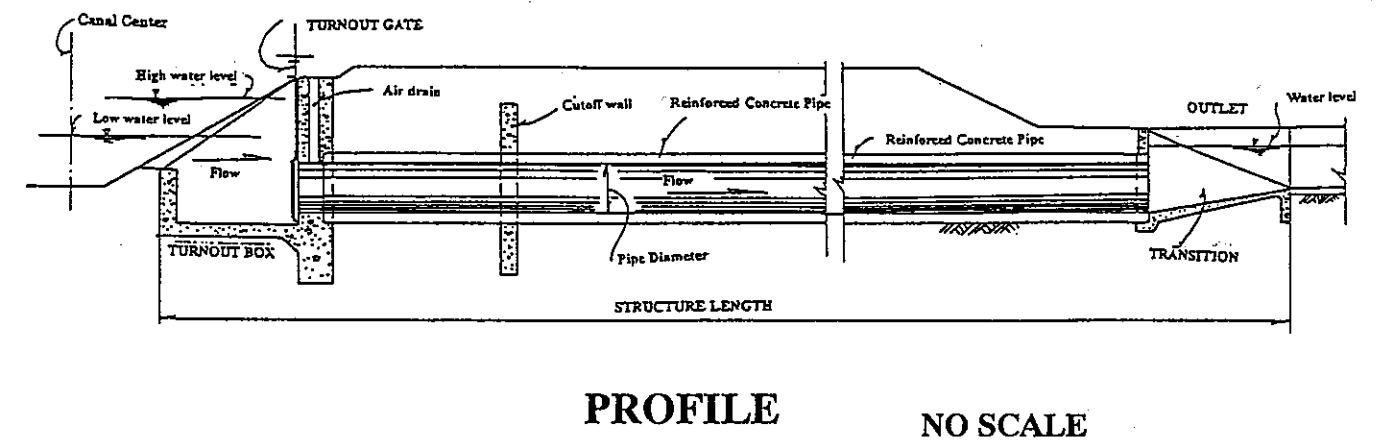
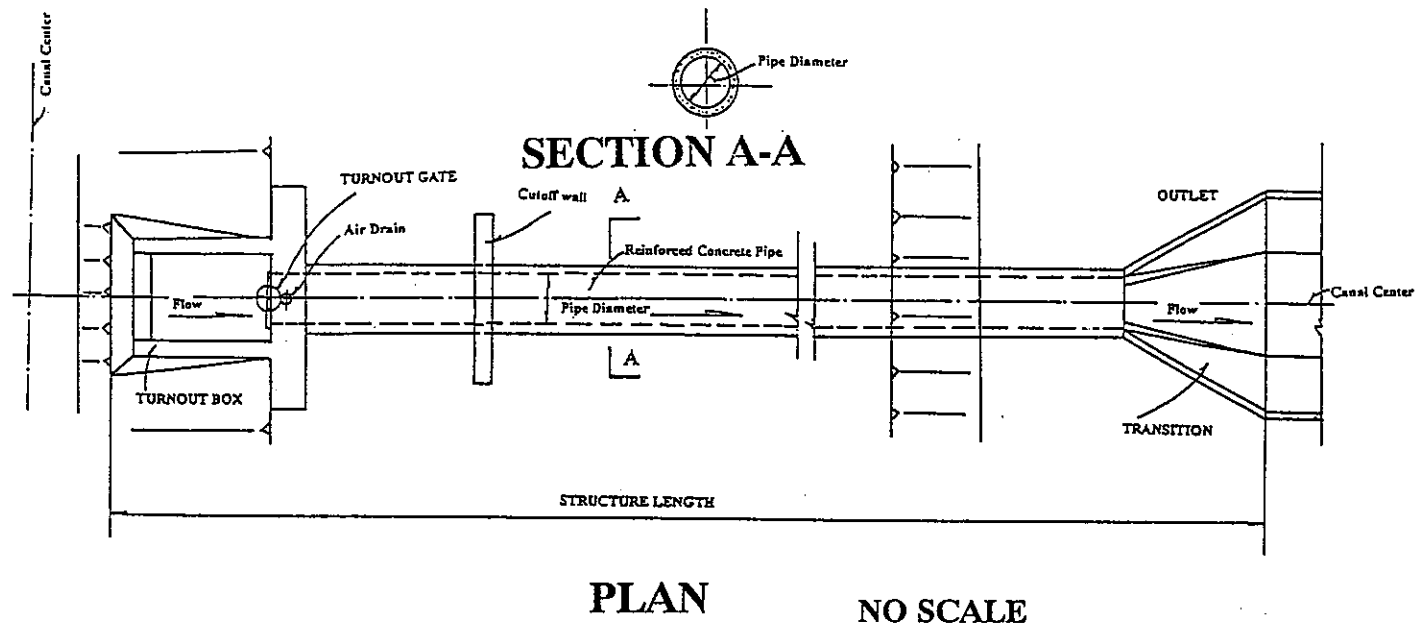
DISTRIBUTOR XX2 TYPE

DISTRIBUTOR

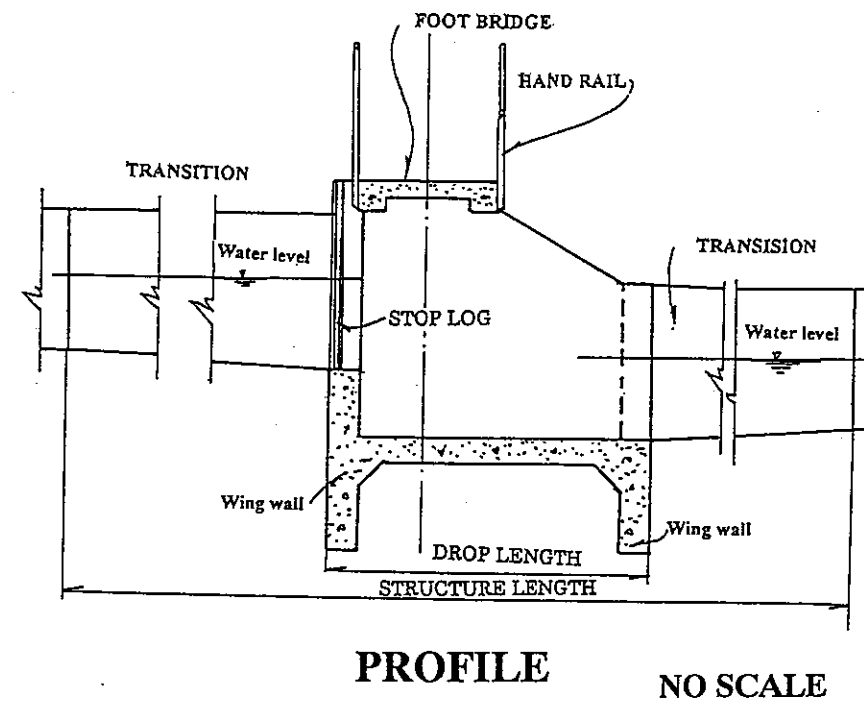
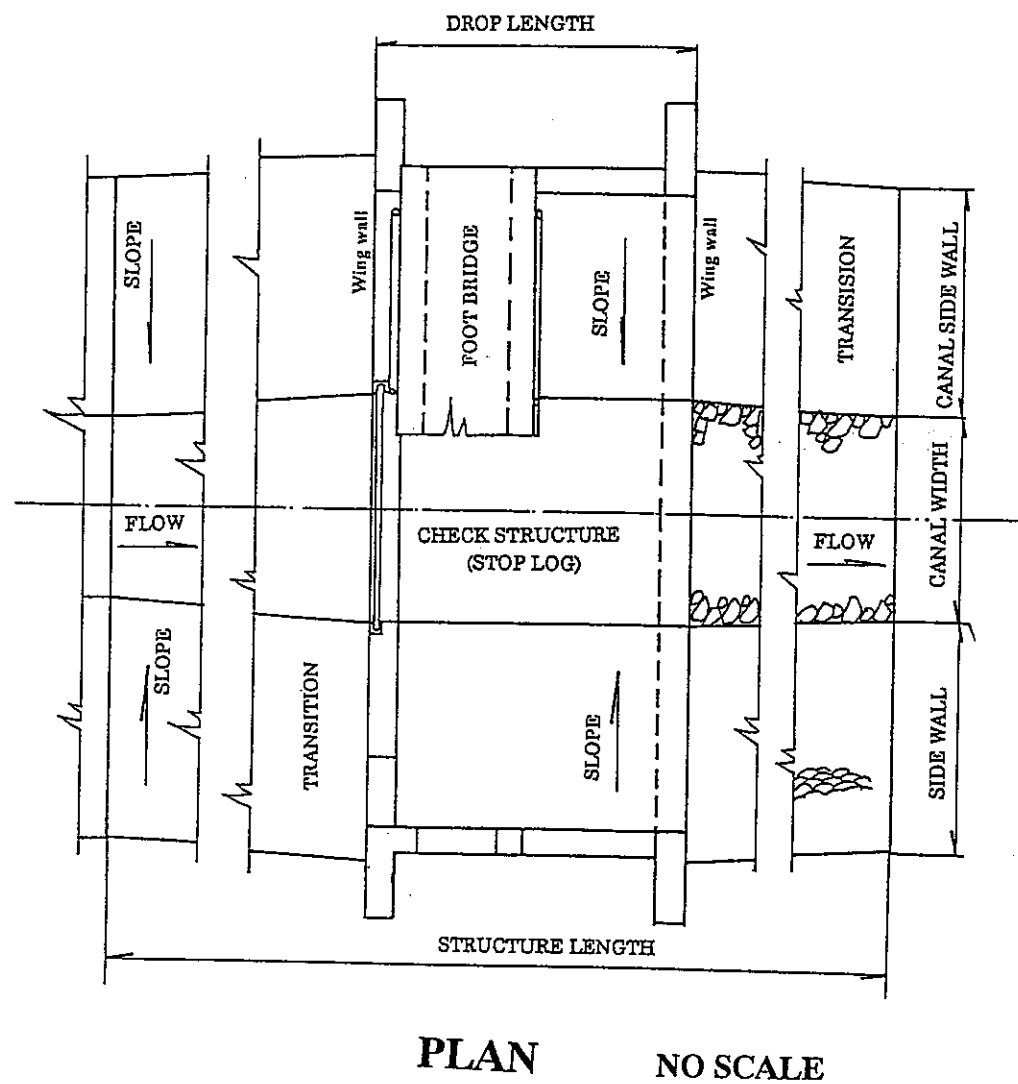


DISTRIBUTOR L1 TYPE

Figure 10.3.4-2 Related Canal Structures (1)



TURN OUT



CHECK DROP

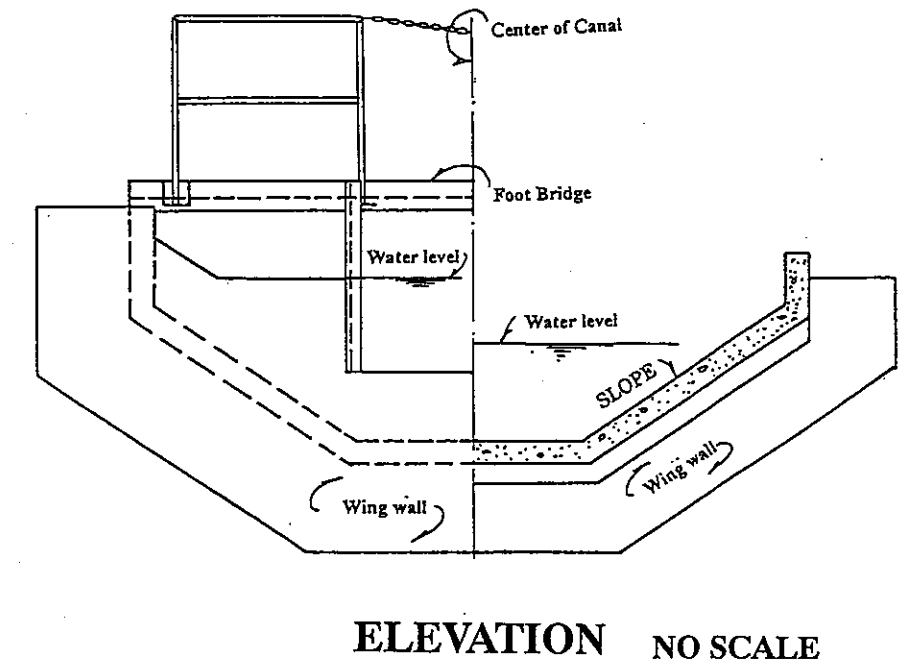
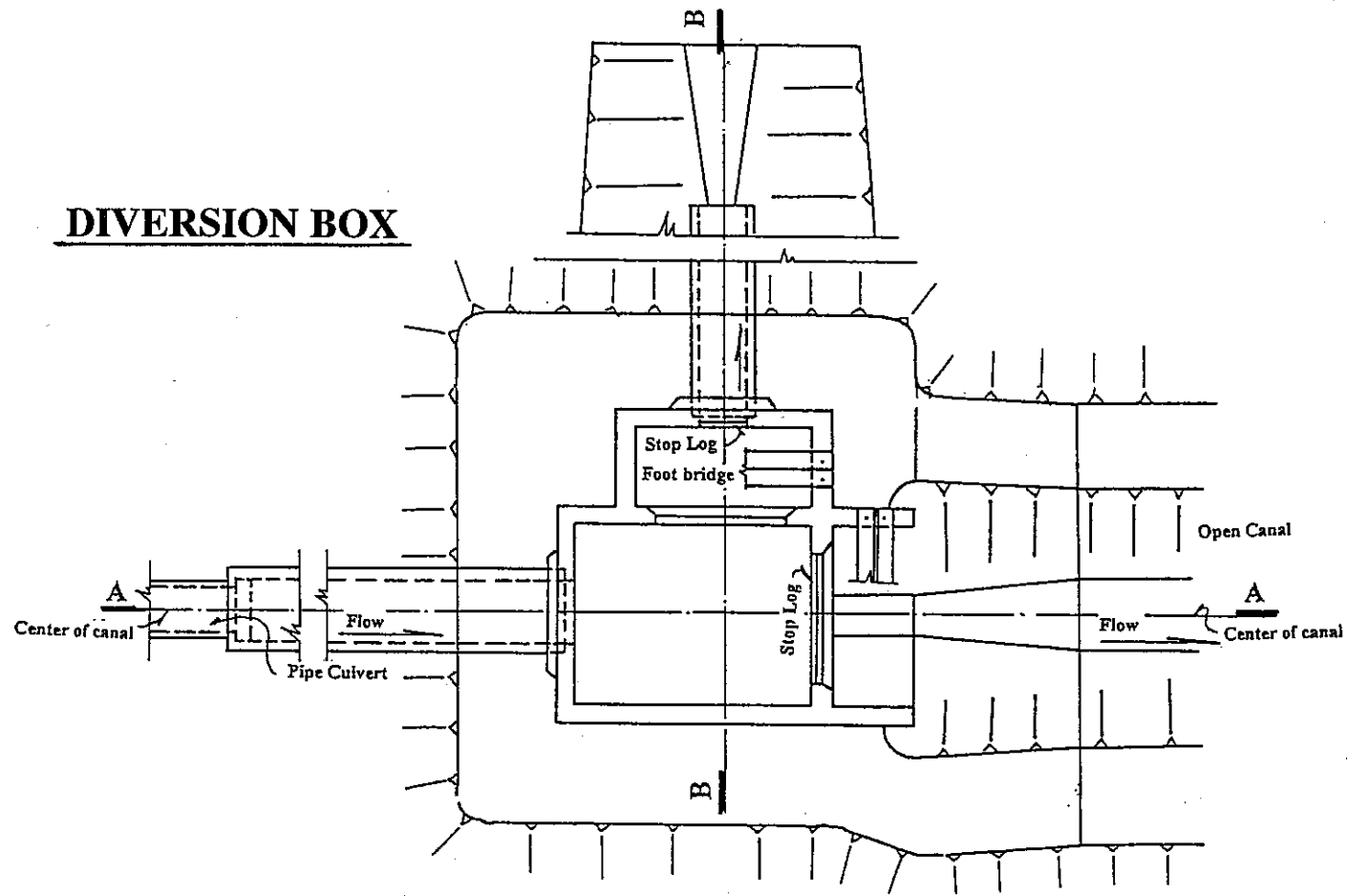
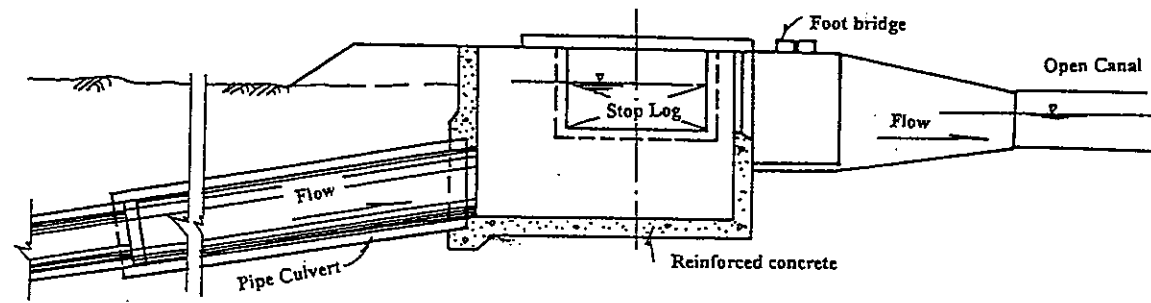


Figure 10.3.4-3 Related Canal Structures (2)

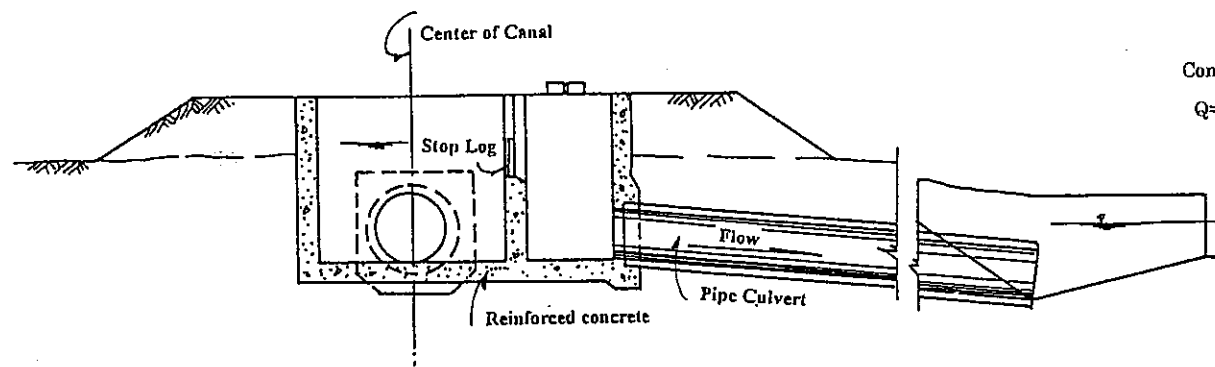
DIVERSION BOX



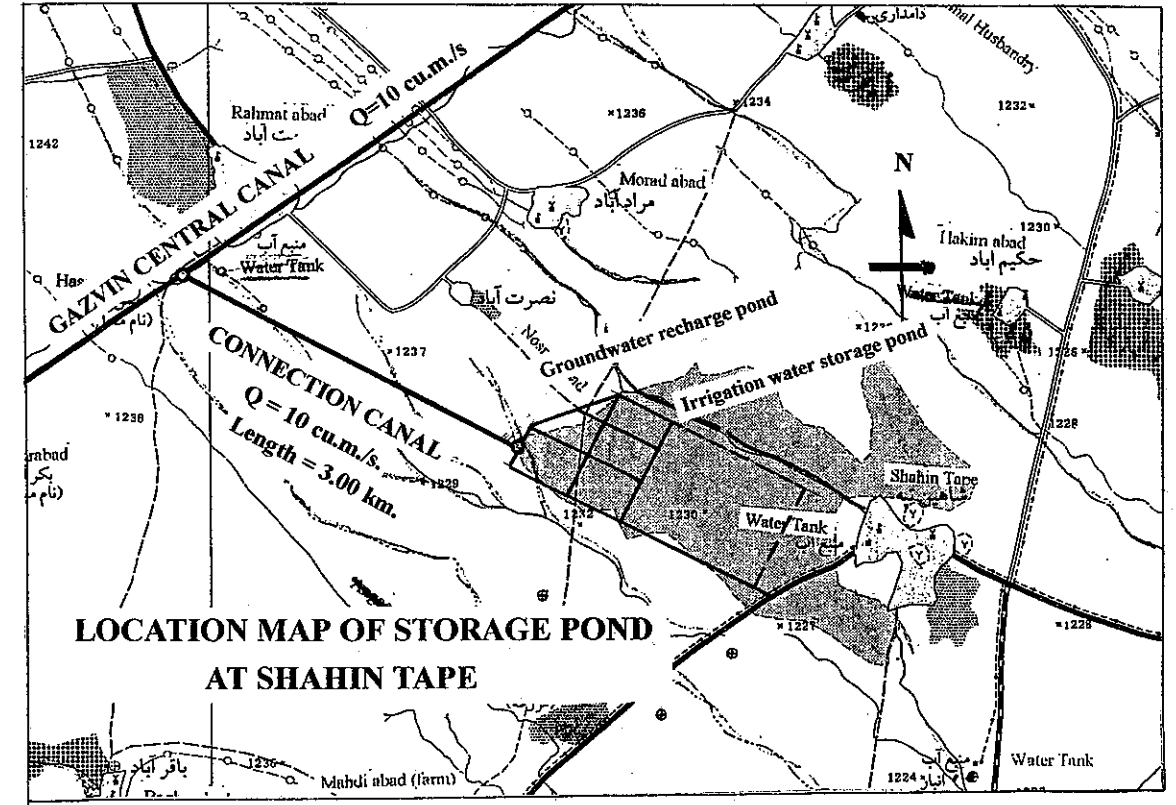
PLAN NO SCALE



PROFILE (A-A) NO SCALE



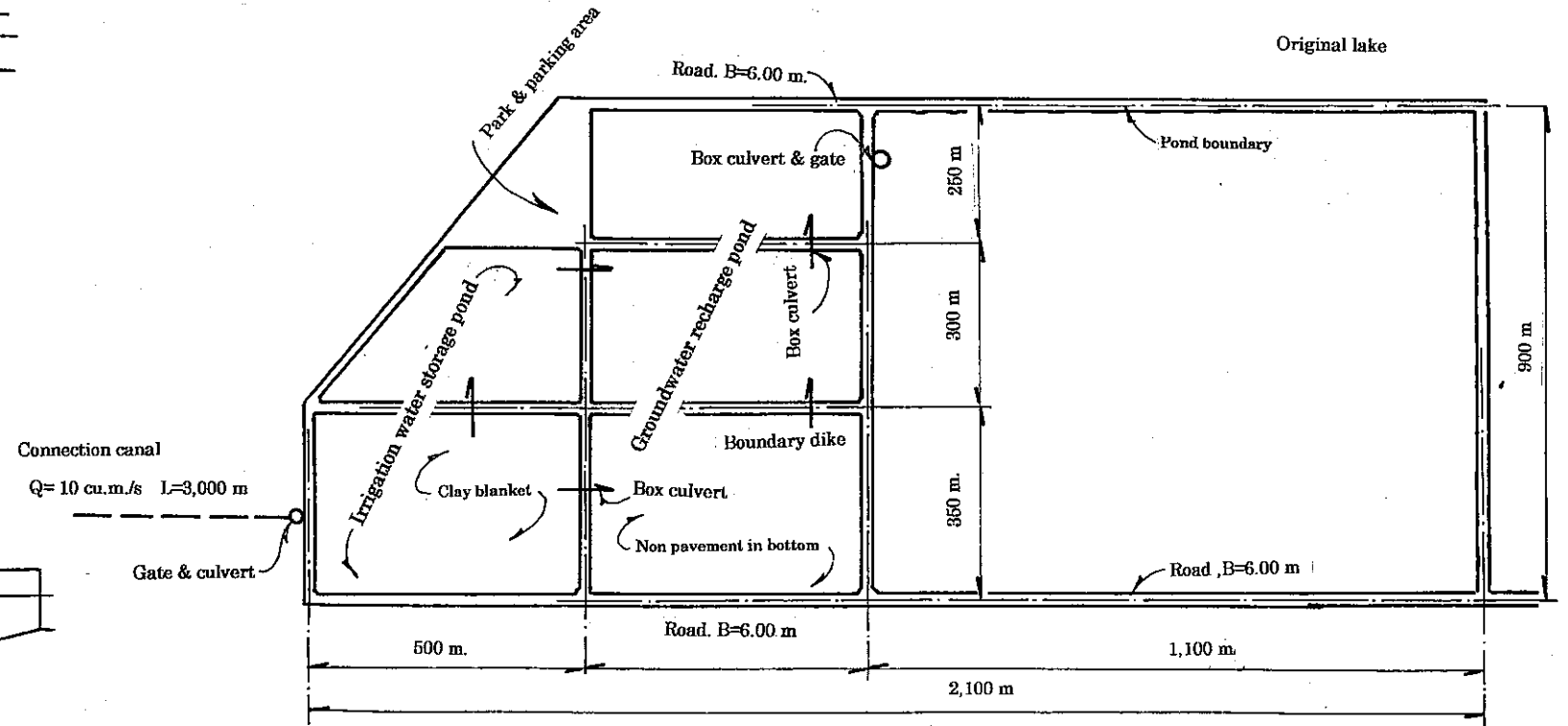
PROFILE (B-B) NO SCALE



LOCATION MAP OF STORAGE POND AT SHAHIN TAPE

STORAGE AND RECHARGE POND

Remarks: Irrigation water storage pond = Clay blanket at bottom.
Ground water recharge pond = Non pavement at bottom.
Water depth for storage/recharging = 1.50 m in average.



PLAN

Figure 10.3.4-4: Related Canal Structures (3)

Chapter 11. Conceptual Plan of Groundwater Recharge

No.	Title of Drawings/Figures/Tables	Page
11.1	Groundwater Recharge Facilities Plan (1)	11-1
11.2	Groundwater Recharge Facilities Plan (2)	11-2

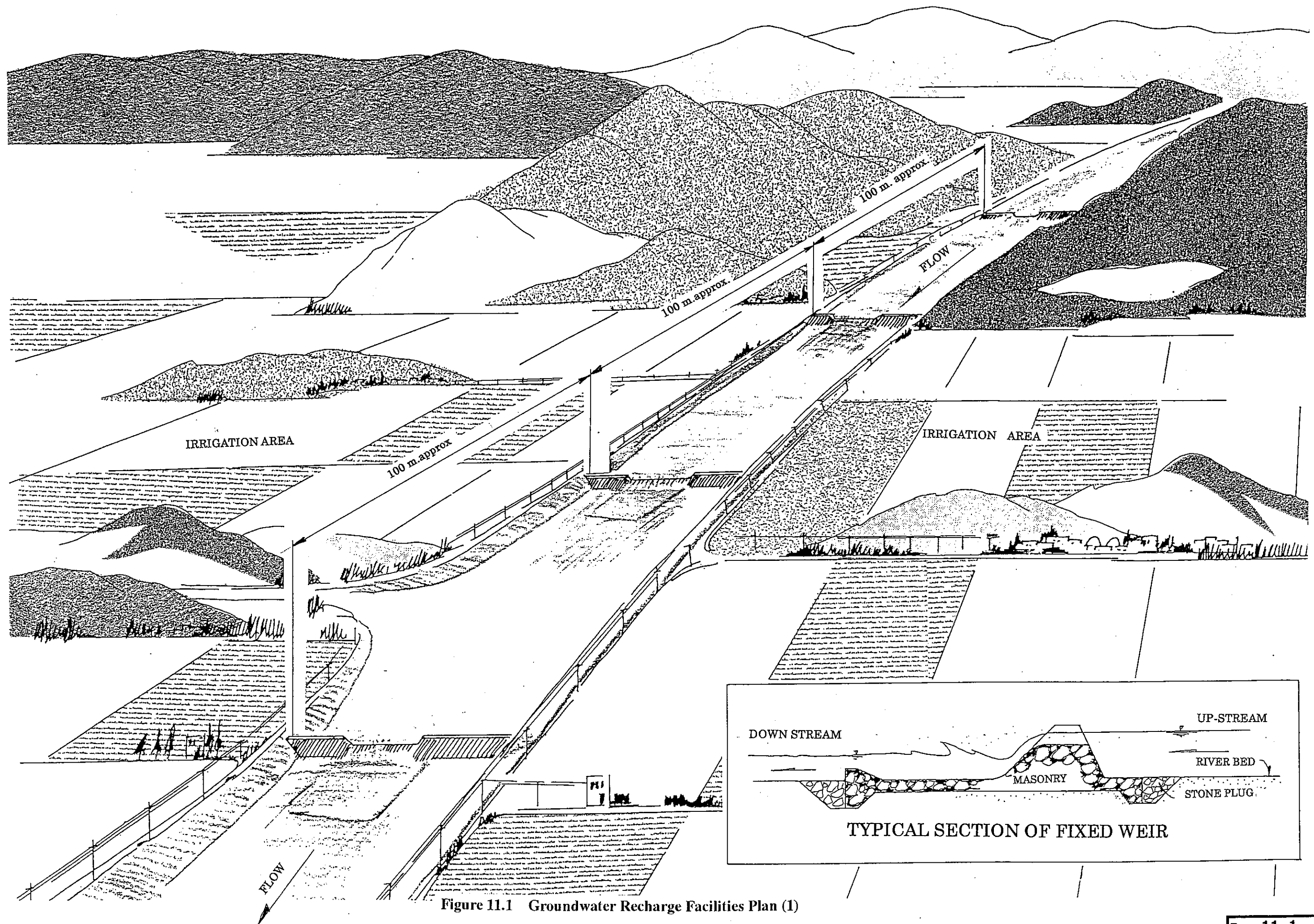
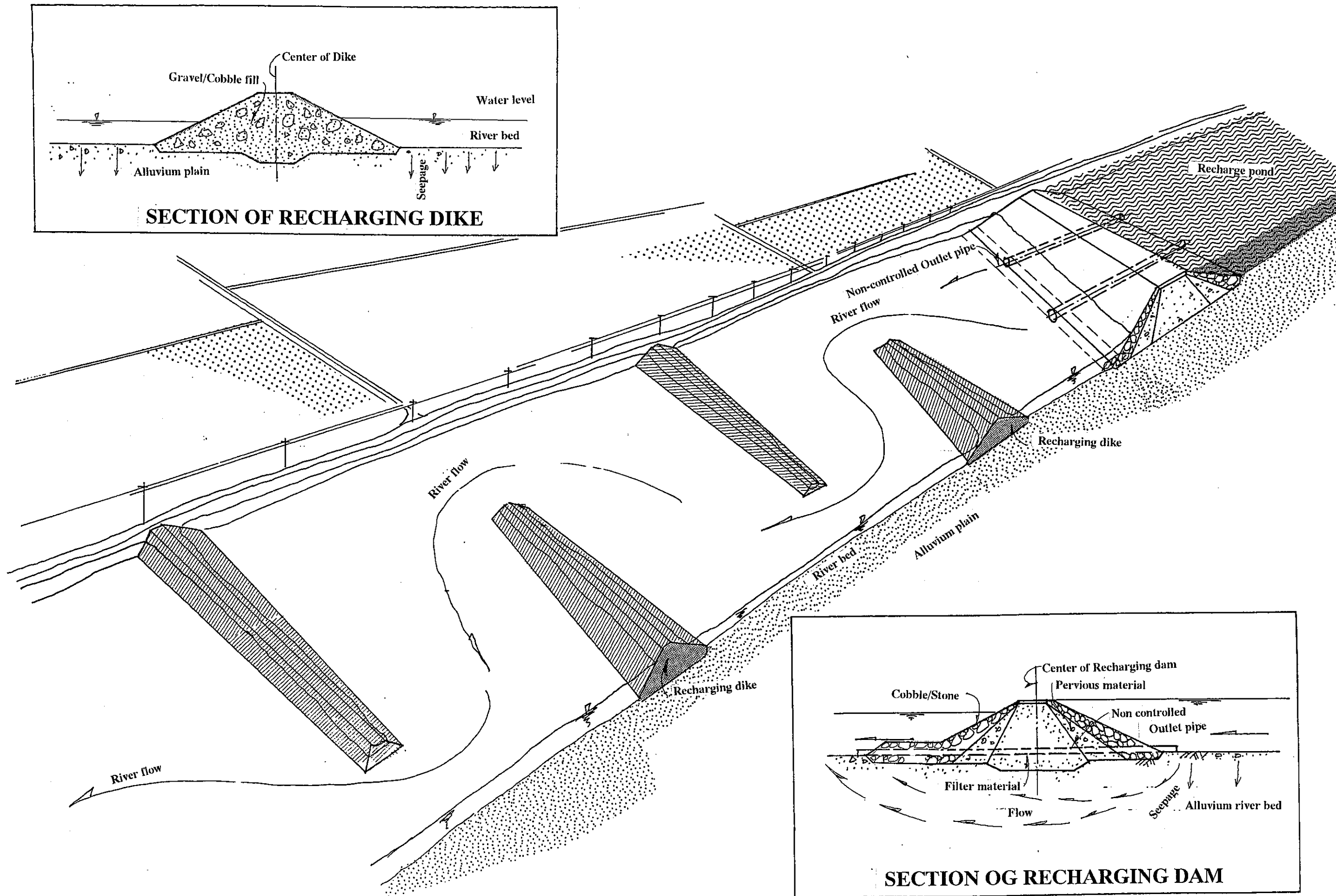


Figure 11.1 Groundwater Recharge Facilities Plan (1)



SECTION OF RECHARGING DIKE

SECTION OF RECHARGING DAM

Figure 11.2 Groundwater Recharge Facilities Plan (2)