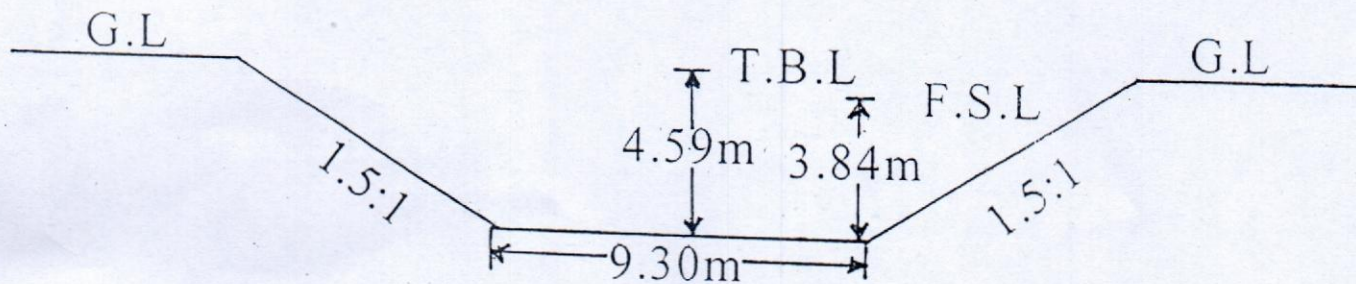


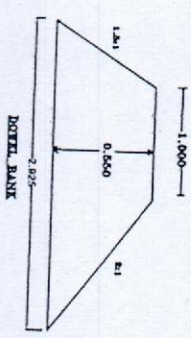
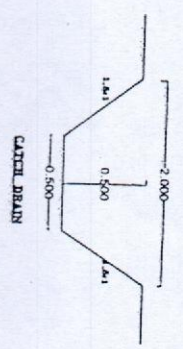
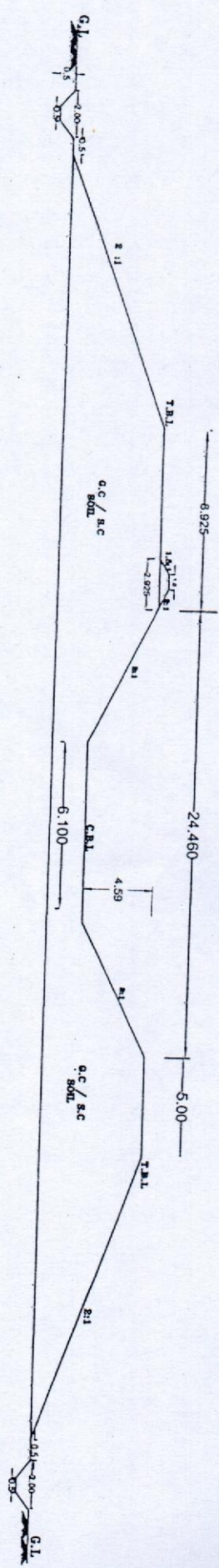
(g) NORMAL SECTION

(i) Reach 4 From Km 66.912 to Km 77.450



Q_R	=	Discharge Required	=	35.834 Cumecs
S	=	Surface fall = 1 in 14000	=	0.0000714
N	=	Rugosity coefficient (for unlined Canals)	=	0.025
B	=	Bed width	=	9.300 m
D	=	Depth of flow	=	3.84 m
A	=	Area = $(9.30 + 3/2 \times 3.84)3.84$	=	57.830 sq.m
P	=	Wetted perimeter = $(9.30 + 2 \times 1.803 \times 3.84)$	=	23.145 m
$R^{2/3}$	=	$(A/P)^{2/3} = (57.830/23.145)^{2/3}$	=	1.842
V	=	Velocity = $1/n \cdot R^{2/3} \cdot S^{1/2} = (1/0.025) \times 1.842 \times 0.0084515$	=	0.623 m/sec
Q_d	=	Discharge Designed = $A \times V = 57.830 \times 0.623$	=	36.009 Cumecs
V_o	=	$0.53 d^{0.52} = 0.53 (3.84)^{0.52}$	=	1.067 m/sec
V/V_o	=	$0.623/1.067$	=	0.584

TYPICAL CROSS-SECTION OF CANAL FOR EMBANKMENT HEIGHT OF BANK BELOW 5.00 M



NOTE:
"C.T" TYPE SOIL FOR "CUT AND TRENCH"
"S.C" SOIL FOR "HOMOGENEOUS SECTION"

GOVERNMENT OF ANDHRA PRADESH IRRIGATION & CAD DEPARTMENT			
TELUGU GANGA PROJECT SOMASILA SWARNAMUKHI LINK CANAL PACKAGE : 17			
TYPICAL EMBANKMENT SECTIONS OF S.S.L.CANAL			
PREPARED BY: Authorized Signatory M/o Progressive Constructors Itd.	CHECKED BY: V. S. Laxmi Assistant Exe. Engineer SCLC & SB Sub Division -3 K.R.D. Nagar	CHECKED BY: Deputy Exe. Engineer SCLC & SB Sub Division -3 K.R.D. Nagar	SUBMITTED BY: Executive Engineer T.C.P. Division Vijayawada
RECOMMENDED BY: Superintending Engineer SCLC & SB Circle Machilipatnam	APPROVED BY: Chief Engineer MTR Jalgaon Gauge Project Thirupathi		