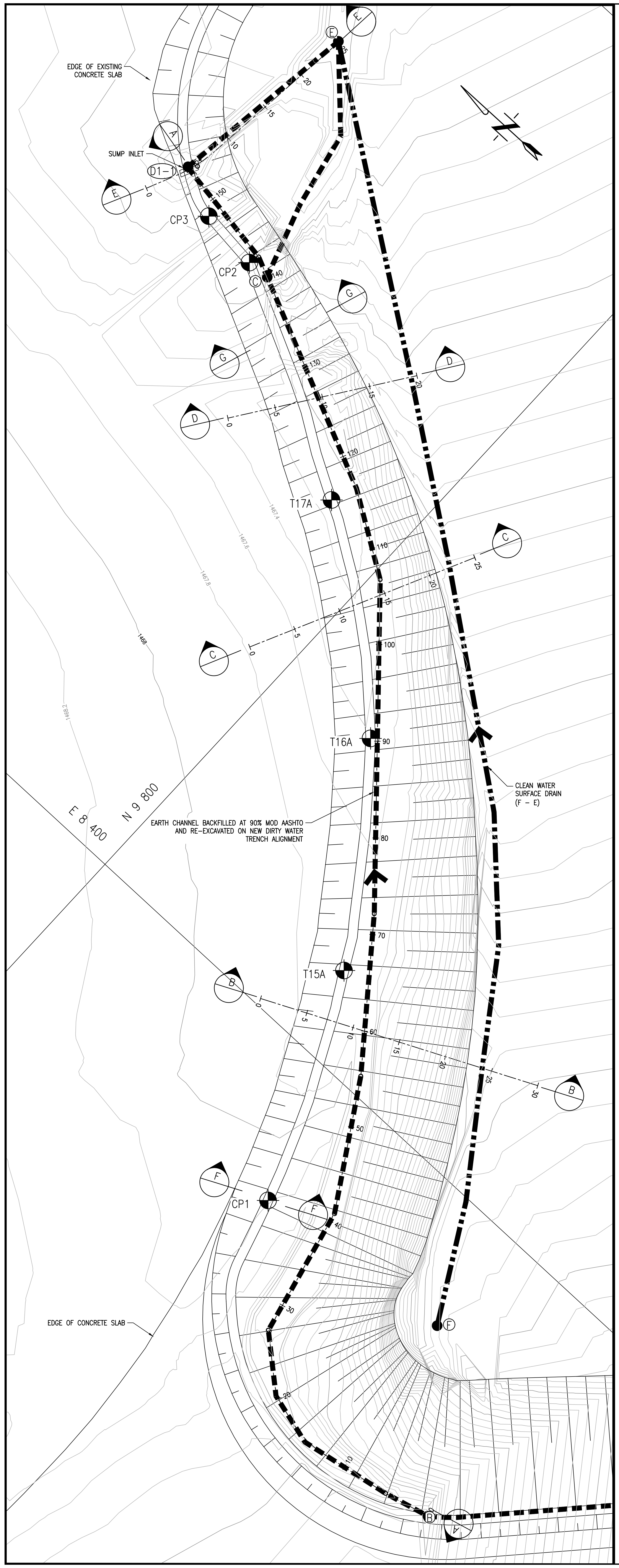
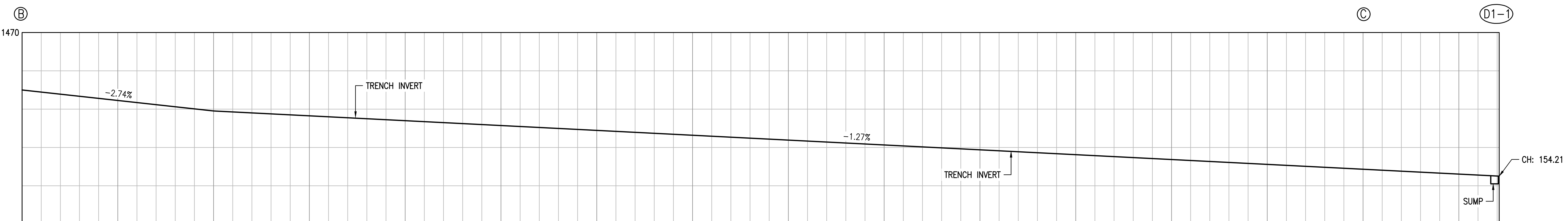

EDGE OF EXISTING CONCRETE SLAB
SUMP INLET
D1–1
A
E
C
CP3
CP2
G
D
T17A
T16A
T15A
B
F
CP1
E 8 400
N 9 800
EARTH CHANNEL BACKFILLED AT 90% MOD AASHTO AND RE–EXCAVATED ON NEW DIRTY WATER TRENCH ALIGNMENT
CLEAN WATER SURFACE DRAIN (F – E)
EDGE OF CONCRETE SLAB
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
5
15
20
25
30



SCALES:
Horizontal 1:250
Vertical 1:62

DATUM 1465.00

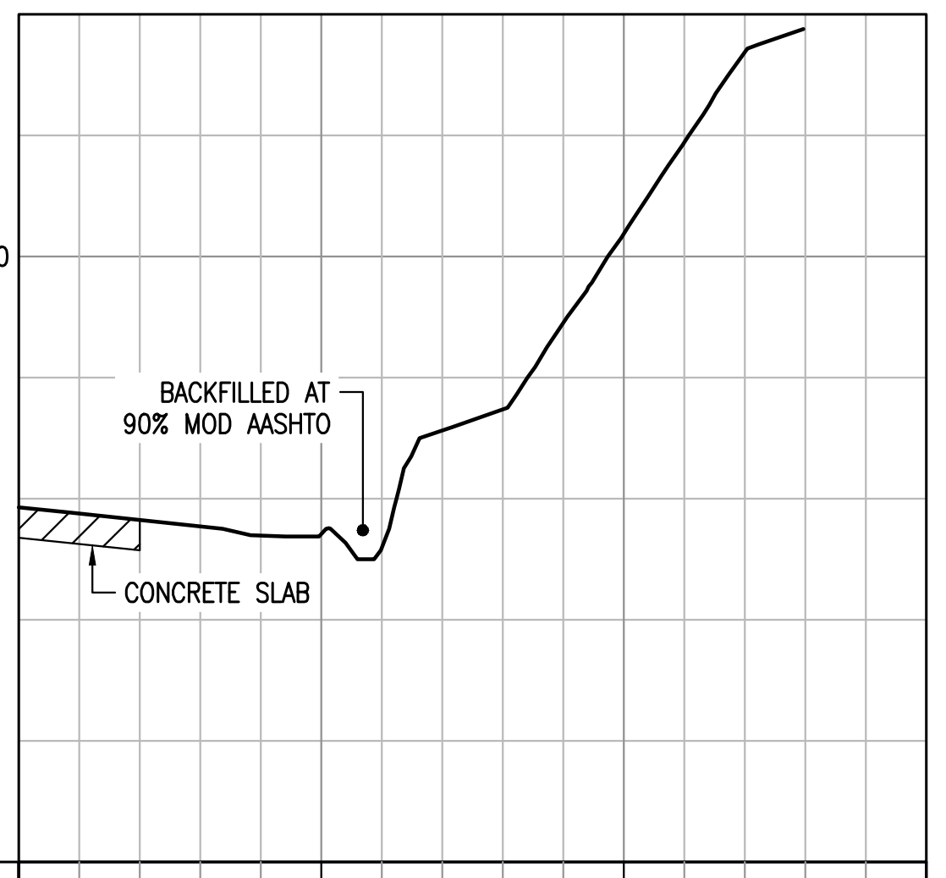
CHAINAGE (m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00	38.00
TRENCH LEVELS (m)	1468.50	1468.45	1468.39	1468.34	1468.28	1468.23	1468.17	1468.12	1468.06	1468.01	1467.95	1467.93	1467.90	1467.88	1467.85	1467.82	1467.80	1467.77	1467.75	1467.72

CHAINAGE (m)	40.00	42.00	44.00	46.00	48.00	50.00	52.00	54.00	56.00	58.00	60.00	62.00	64.00	66.00	68.00	70.00	72.00	74.00	76.00	78.00
TRENCH LEVELS (m)	1467.70	1467.67	1467.65	1467.62	1467.60	1467.57	1467.55	1467.52	1467.49	1467.47	1467.44	1467.42	1467.39	1467.37	1467.34	1467.32	1467.29	1467.27	1467.24	1467.22

CHAINAGE (m)	80.00	82.00	84.00	86.00	88.00	90.00	92.00	94.00	96.00	98.00	100.00	102.00	104.00	106.00	108.00	110.00	112.00	114.00	116.00	118.00
TRENCH LEVELS (m)	1467.19	1467.17	1467.14	1467.11	1467.09	1467.06	1467.04	1467.01	1466.99	1466.96	1466.94	1466.91	1466.89	1466.86	1466.84	1466.81	1466.79	1466.76	1466.73	1466.71

CHAINAGE (m)	120.00	122.00	124.00	126.00	128.00	130.00	132.00	134.00	136.00	138.00	140.00	142.00	144.00	146.00	148.00	150.00	152.00	154.00	154.21
TRENCH LEVELS (m)	1466.68	1466.66	1466.63	1466.61	1466.58	1466.56	1466.53	1466.51	1466.48	1466.46	1466.43	1466.40	1466.38	1466.35	1466.33	1466.30	1466.28	1466.25	1466.25

EXISTING SECTION A
SCALE 1:250

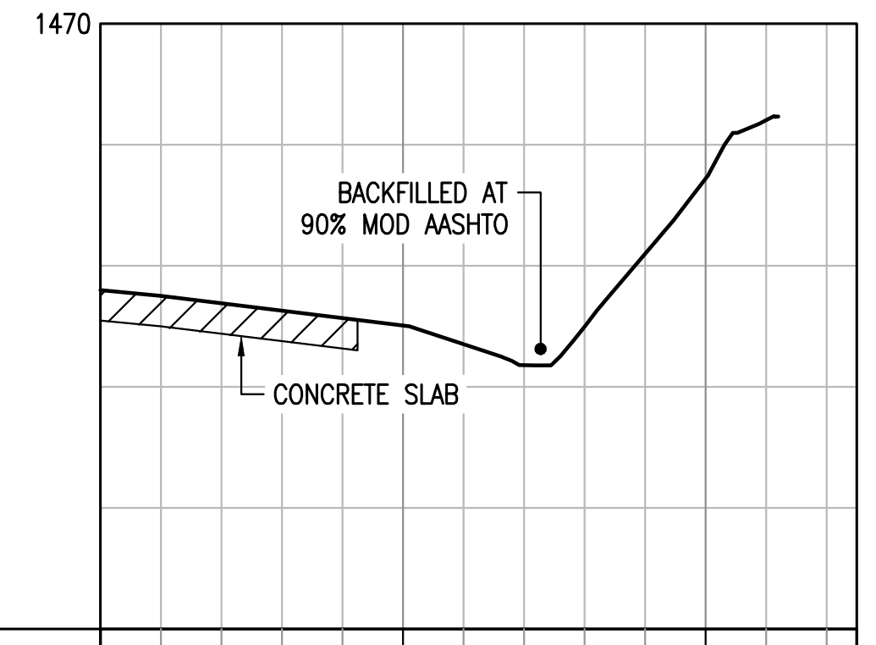


SCALES:
Horizontal 1:250
Vertical 1:62

DATUM 1465.00

CHAINAGE (m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00	26.00	28.00	30.00
CHANNEL LEVELS (m)	1467.93	1467.88	1467.82	1467.77	1467.69	1467.71	1467.59	1468.56	1468.74	1469.45	1470.19	1470.94	1471.69	1471.88		

EXISTING SECTION B
SCALE 1:250

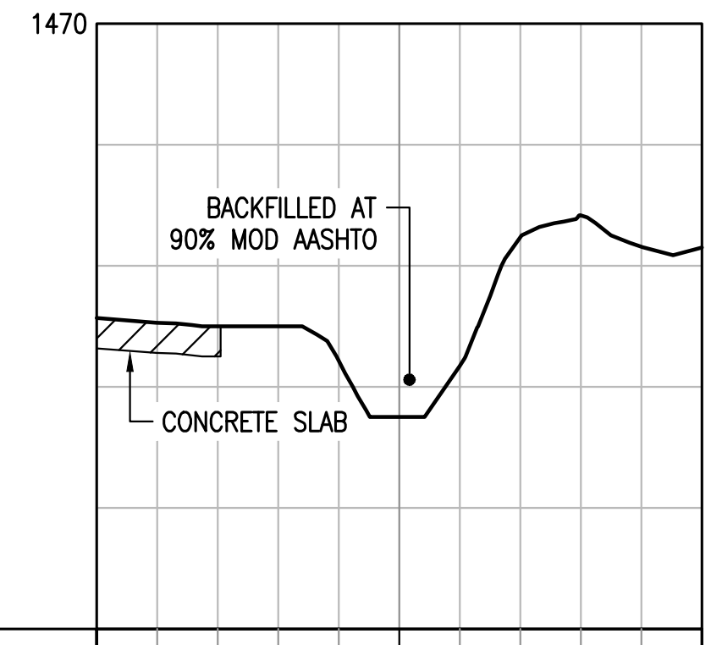


SCALES:
Horizontal 1:250
Vertical 1:62

DATUM 1465.00

CHAINAGE (m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00	25.00
CHANNEL LEVELS (m)	1467.80	1467.75	1467.69	1467.63	1467.57	1467.51	1467.35	1467.18	1467.50	1468.10	1468.72	1469.20	1469.23	

EXISTING SECTION C
SCALE 1:250

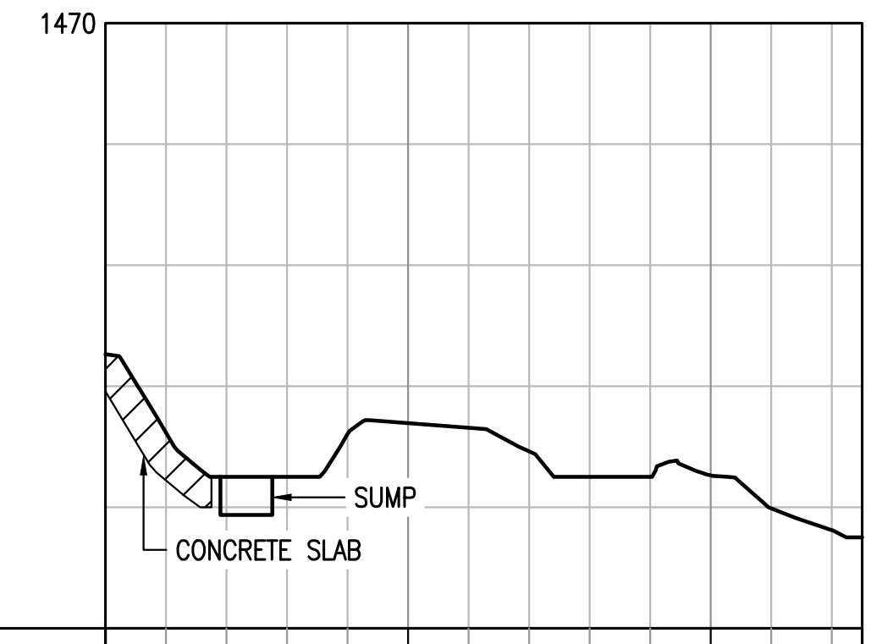


SCALES:
Horizontal 1:250
Vertical 1:62

DATUM 1465.00

CHAINAGE (m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00
CHANNEL LEVELS (m)	1467.57	1467.53	1467.50	1467.50	1467.21	1466.75	1467.17	1468.23	1468.42	1468.16	1468.15

EXISTING SECTION D
SCALE 1:250

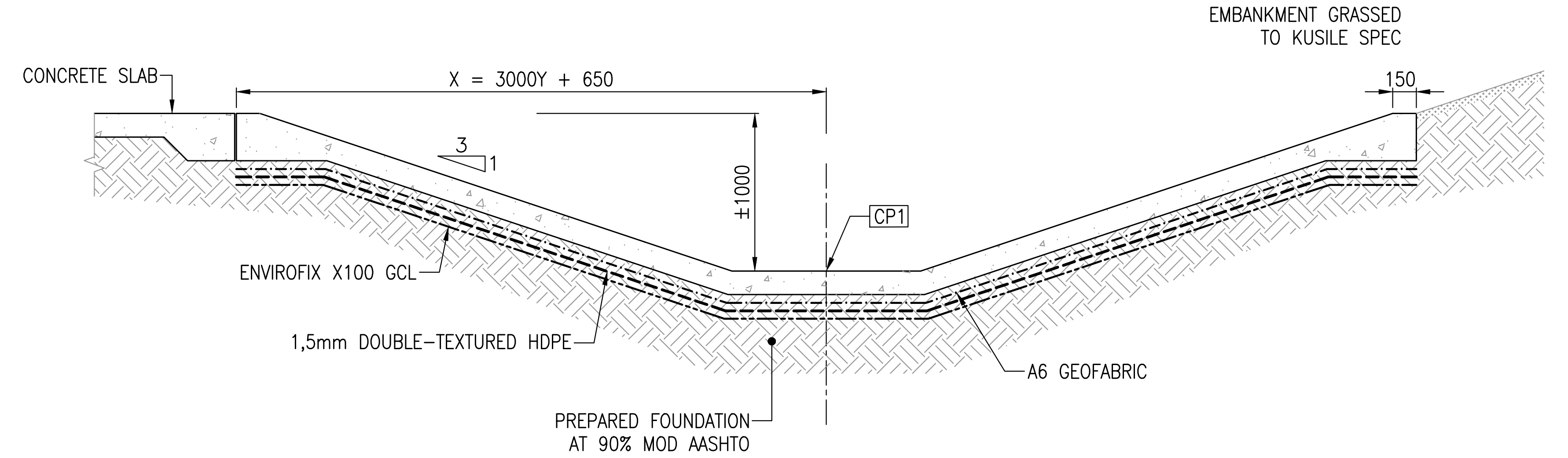


SCALES:
Horizontal 1:250
Vertical 1:62

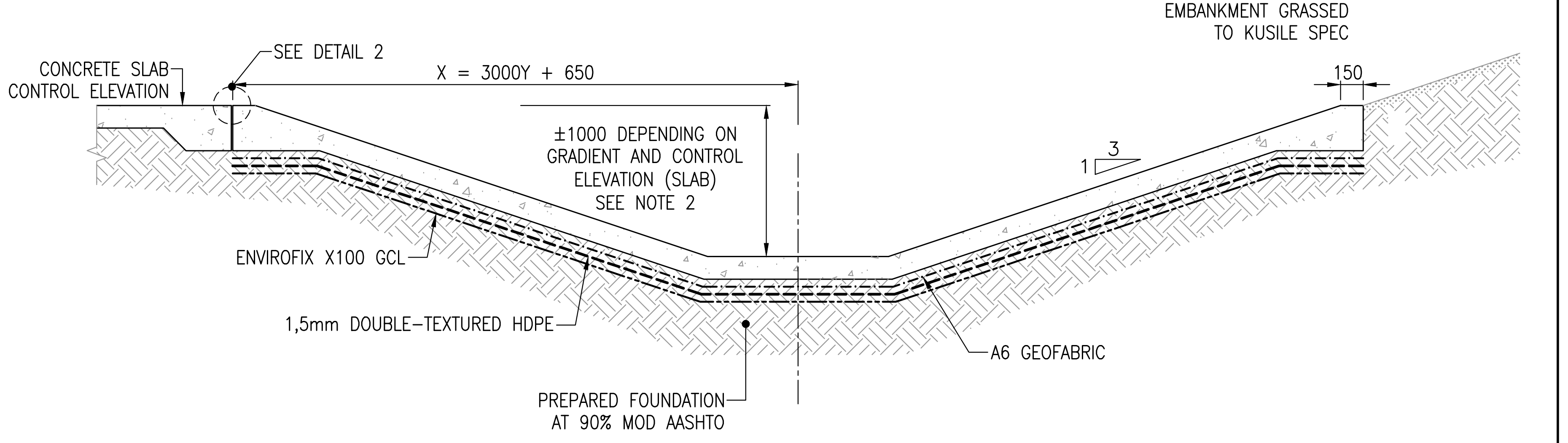
DATUM 1465.00

CHAINAGE (m)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00	25.00
CHANNEL LEVELS (m)	1467.26	1466.61	1466.25	1466.25	1466.60	1466.69	1466.66	1466.46	1466.25	1466.25	1466.26	1465.99	1465.81	1465.75

EXISTING SECTION E
SCALE 1:250


CONCRETE SLAB
X = 3000Y + 650
3
1
±1000
CP1
EMBANKMENT GRASSED TO KUSILE SPEC
150
ENVIROFIX X100 GCL
1,5mm DOUBLE–TEXTURED HDPE
PREPARED FOUNDATION AT 90% MOD AASHTO
A6 GEOFABRIC

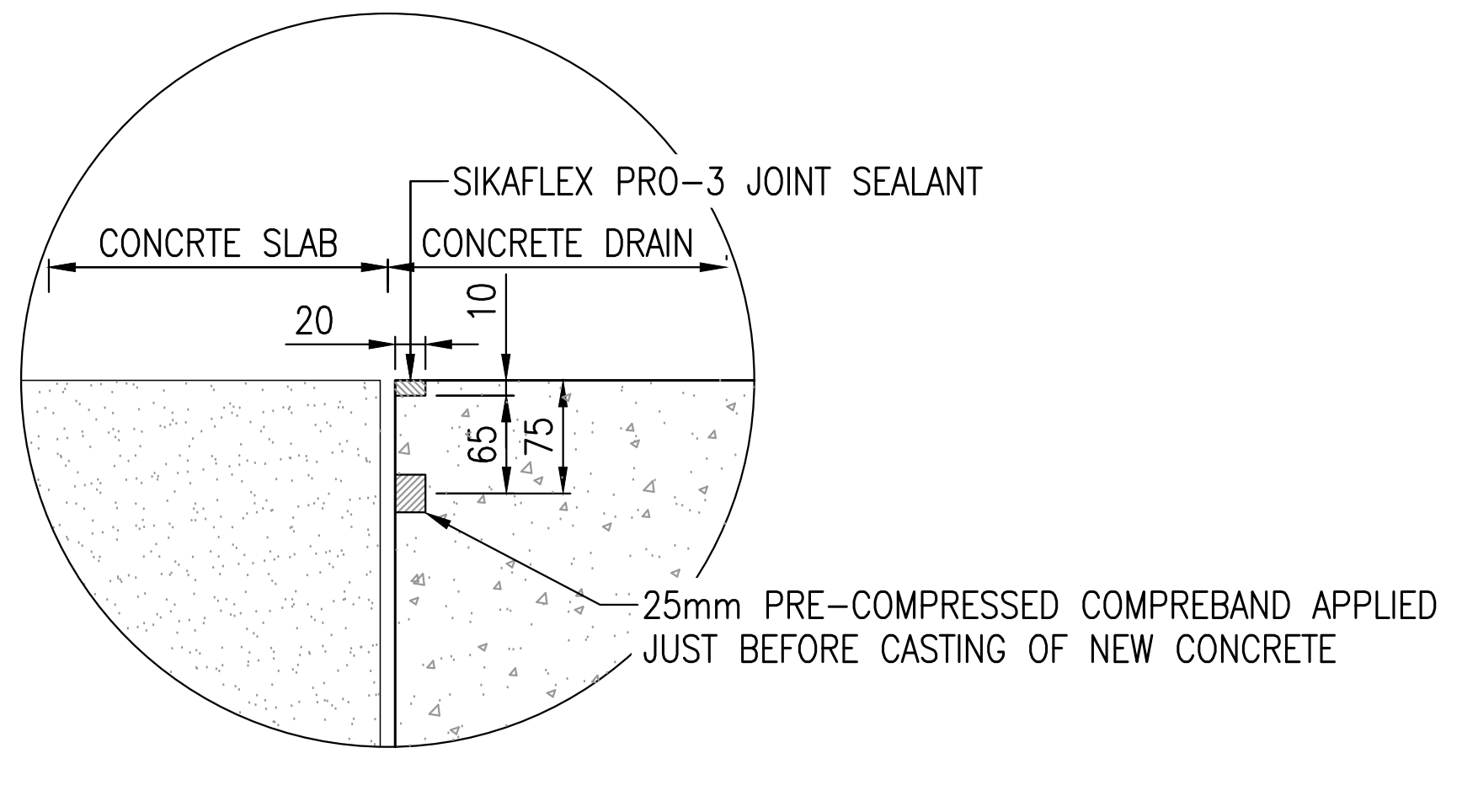
CHANNEL SECTION F
SCALE 1:250


CONCRETE SLAB CONTROL ELEVATION
SEE DETAIL 2
X = 3000Y + 650
±1000 DEPENDING ON GRADIENT AND CONTROL ELEVATION (SLAB) SEE NOTE 2
EMBANKMENT GRASSED TO KUSILE SPEC
150
3
1
ENVIROFIX X100 GCL
1,5mm DOUBLE–TEXTURED HDPE
PREPARED FOUNDATION AT 90% MOD AASHTO
A6 GEOFABRIC

CHANNEL TYPICAL SECTION G
SCALE 1:250

CONTROL POINTS LIST

POINT	EASTERN	NORTHERN	ELEVATION
CP1	8 385,90	9 764,08	1467,070
CP2	8 455,81	9 831,21	1466,301
CP3	8 456,49	9 837,53	1466,253
T15A	8 408,68	9 774,42	1466,878
T16A	8 428,16	9 788,67	1466,692
T17A	8 443,53	9 808,34	1466,501


SIKAFLEX PRO–3 JOINT SEALANT
CONCRTE SLAB
CONCRETE DRAIN
20
10
65
75
25mm PRE–COMPRESSED COMPREBAND APPLIED JUST BEFORE CASTING OF NEW CONCRETE

TYPICAL DETAIL 2
SCALE 1:5

NOTES:

1. SEE DWG. 30300098/06–552 FOR WORK SCOPE GENERAL ARRANGEMET AND DWG. 30300098/06–554 FOR DETAILS OF WORK DONE

2. GRADIENT BETWEEN CONTROL POINTS IS 0,00767

D.O.	REV	DATE	** REVISION **	REV BY	CHKD BY	AUTH BY	KKS APP
	1	19/12/18	AS–BUILT	MKM	JRW	JRW	
	0	11/08/16	ISSUED FOR CONSTRUCTION	MKM	JRW	JRW	

INDEX REFERENCE :

DRG REGISTR		
DESIGN APPROVED	08/06/10	JRW
KKS APP		
DO AUTH	08/06/10	DO
CHKD BY	08/06/10	JRW
DRAWN BY	15/06/10	JMcK
SCALE		

AUTHORISED FOR ESKOM BY:	DATE
JKN	13/06/13

DESIGN ENGINEER
R.J.Williamson
Pr.Eng.704312
Williamson
Pr.Eng 704312

PANEL B CONSULTANTS
JOINT VENTURE
Knight Piésold
CONSULTING

Eskom

KUSILE POWER STATION

ASH DUMP No 1
RADIAL STACKER SLAB DRAINAGE
WORK SCOPE EXISTING SECTIONS

DRG. No. K30300098/06–553
REV 1

0.90/160103
SHEET A0
REV 1