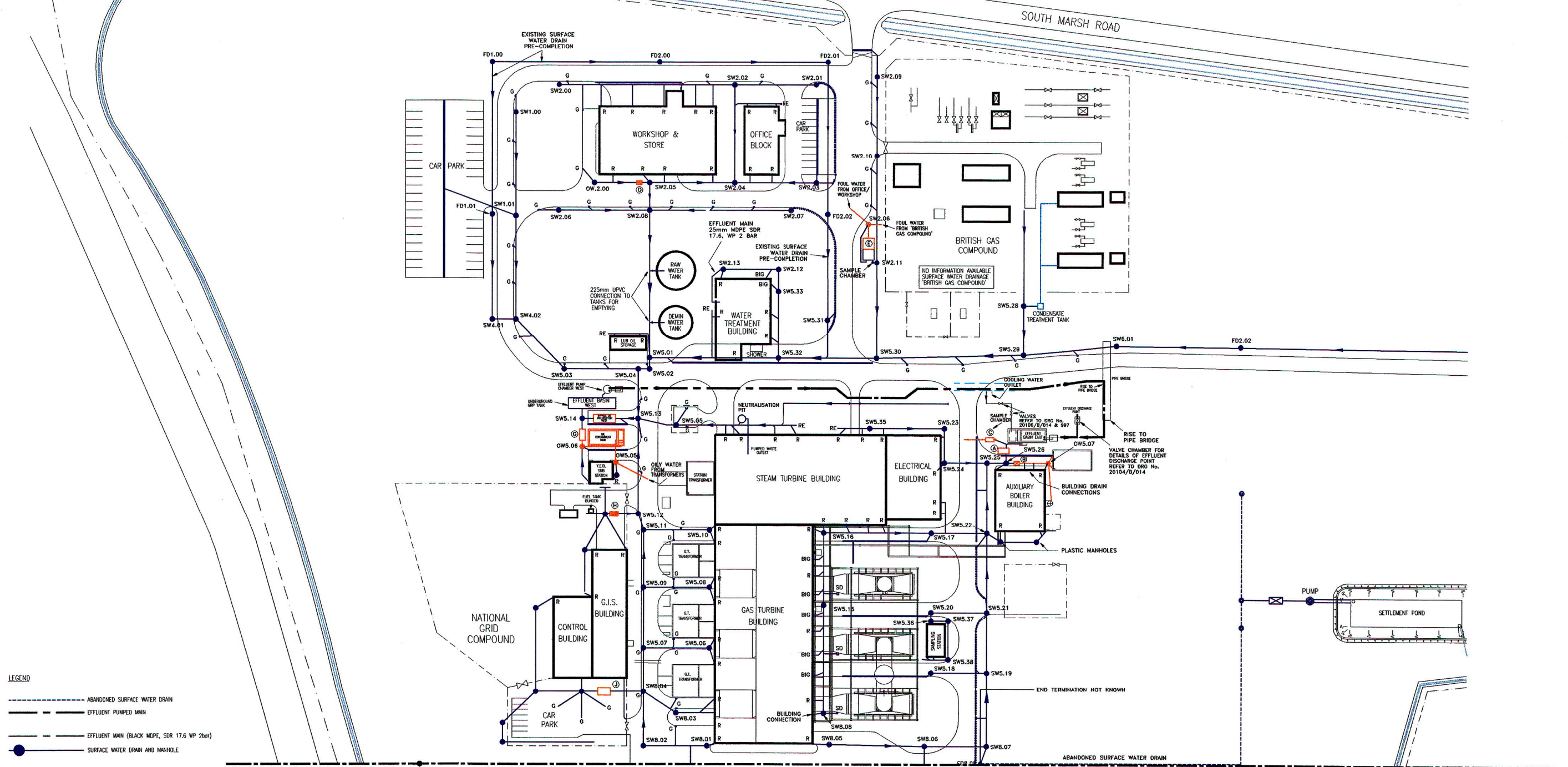
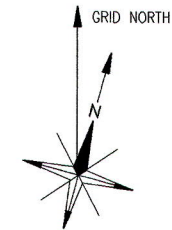


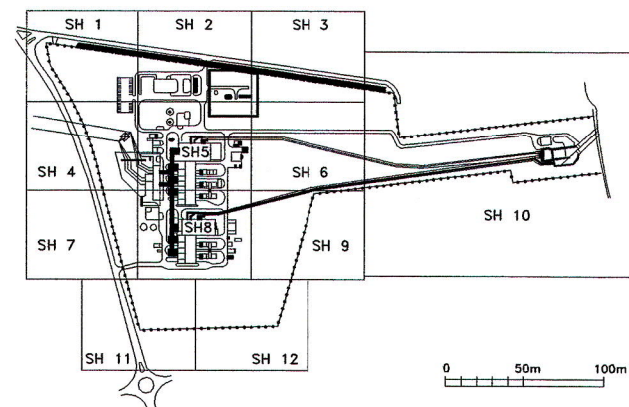
BLOCK PLAN PHASE 1



- LEGEND**
- ABANDONED SURFACE WATER DRAIN
 - EFFLUENT PUMPED MAIN
 - EFFLUENT MAIN (BLACK MDPE, SDR 17.6 WP 2bar)
 - SURFACE WATER DRAIN AND MANHOLE
 - FOUL WATER DRAIN AND MANHOLE
 - OILY WATER DRAIN AND MANHOLE
 - COMBINED DRAINAGE AND KERB SYSTEM (150 uPVC-CS OUTLET)
 - ROAD CHANNEL (150 uPVC-CS OUTLET)
 - R = RAIN WATER PIPE
 - G = GULLY
 - RE = RODDING EYE
 - BIG = BACK INLET GULLY
 - SW: SURFACE WATER MANHOLE e.g. SW2.00 2 DENOTES SHEET No OF ORIGINAL 'ALLOTT & LOMAX' DRG. EG20106/8/002
 - OD DENOTES MANHOLE No EG OD
 - FD: SURFACE WATER MANHOLE FORMER EXISTING eg FD2.00

NOTE:
SERVICES (OTHER THAN CABLES)
CROSS ROADS INSIDE
SERVICE SLEEVES.

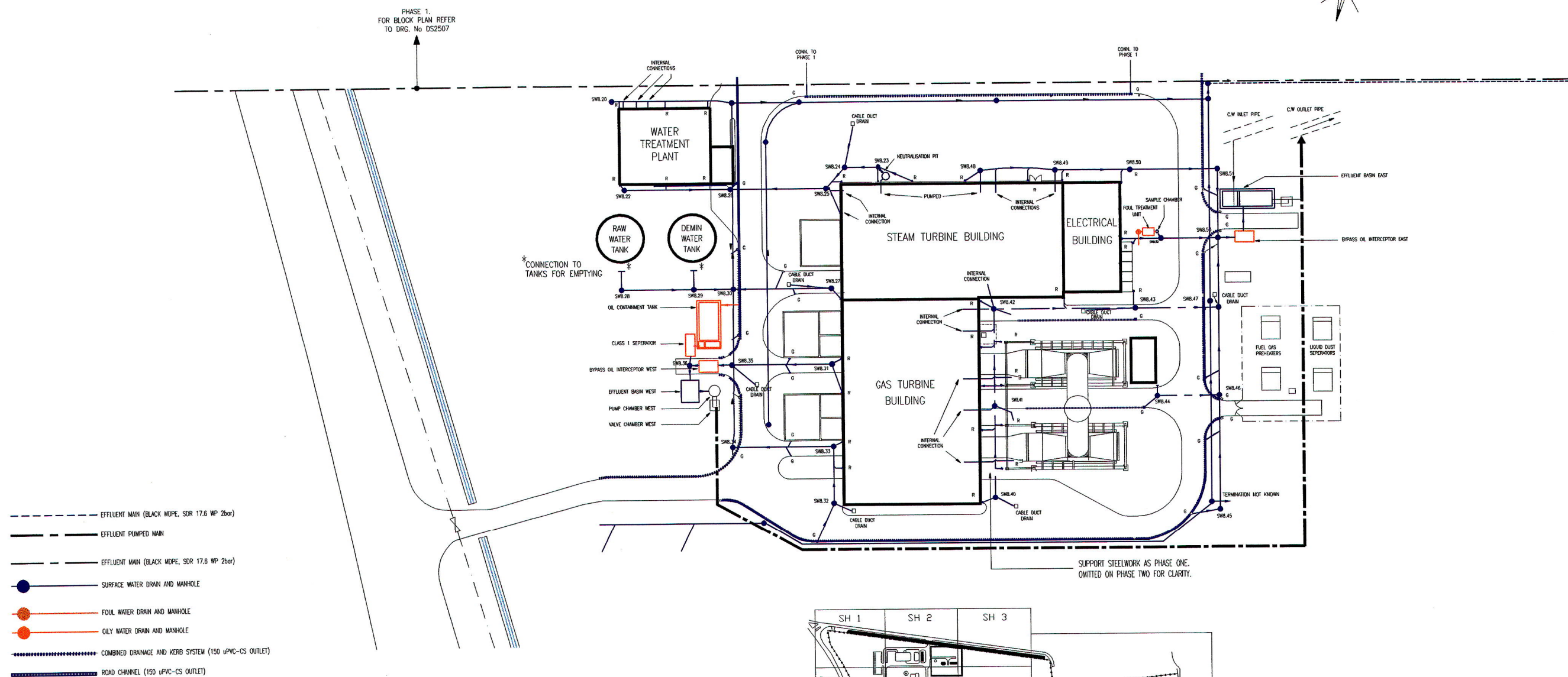
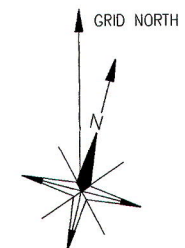
PHASE 2.
FOR BLOCK PLAN REFER
TO DRG. No DS2560



0 50m 100m

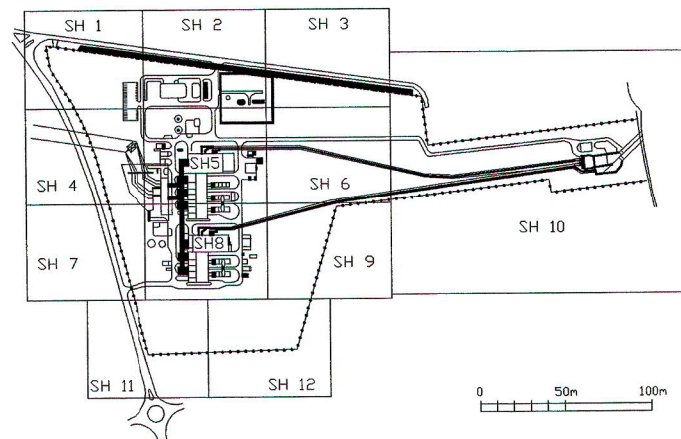
I.V.O. GENERATION SERVICES (UK) LTD
SOUTH HUMBER BANK POWER STATION
BLOCK PLAN
SURFACE WATER DRAINAGE. PHASE 1
DRAWING No. DS 2507
DRAWSIGN 1997
ISSUE A: SEPTEMBER. 97 PHASE ONE
ISSUE B: JUNE 98 UPDATES FOR PHASE TWO

BLOCK PLAN PHASE TWO



SW: SURFACE WATER MANHOLE e.g SW2.00 2 DENOTES SHEET No OF ORIGINAL "ALLOT & LOMAX", DRG EG20106/8/002
OO DENOTES MANHOLE No EG 08
FD: SURFACE WATER MANHOLE FORMER EXISTING e.g FD2.00

NOTE:
SERVICES (OTHER THAN CABLES)
CROSS ROADS INSIDE
SERVICE SLEEVES.



0 50m 100m

I.V.O. GENERATION SERVICES (UK) LTD
SOUTH HUMBER BANK POWER STATION
SITE PLAN
SURFACE WATER PHASE TWO
DRG No. :- DS2560
'DRAWSIGN' 1997
ISSUE: A. JUNE 1998

ISSUE 'A'. PHASE TWO

ANNEX 2: SOURCE CONTROL CALCULATIONS

Quick Storage Estimate

Variables

FEH Rainfall

Return Period (years) 100

Version 2013 Catchment

Site GB 523150 413350 TA 23150 13350

Cv (Summer) 0.750

Cv (Winter) 0.840

Impermeable Area (ha) 6.500

Maximum Allowable Discharge (l/s) 1.6

Infiltration Coefficient (m/hr) 0.00000

Safety Factor 2.0

Climate Change (%) 40

Analyse OK Cancel Help

Enter Cv between 0.100 and 1.000

Figure 4: Source Control Input for Greenfield Run-off Discharge Rate

Quick Storage Estimate

Results

Global Variables require approximate storage of between 7535 m³ and 7935 m³.

These values are estimates only and should not be used for design purposes.

Analyse OK Cancel Help

Enter Cv between 0.100 and 1.000

Figure 5: Source Control Output for Greenfield Run-Off Discharge Rate

Quick Storage Estimate

Variables

FEH Rainfall

Return Period (years) 100

Version 2013 Catchment

Site GB 523150 413350 TA 23150 13350

Cv (Summer) 0.750

Cv (Winter) 0.840

Impervious Area (ha) 6.500

Maximum Allowable Discharge (l/s) 0

Infiltration Coefficient (m/hr) 0.00000

Safety Factor 2.0

Climate Change (%) 40

Analyse OK Cancel Help

Enter Maximum Allowable Discharge between 0.0 and 999999.0

Figure 6: Source Control Output for No Discharge

Quick Storage Estimate

Results

Global Variables require approximate storage of between 8106 m³ and 8106 m³.

These values are estimates only and should not be used for design purposes.

Analyse OK Cancel Help

Enter Maximum Allowable Discharge between 0.0 and 999999.0

Figure 7: Source Control Output for No Discharge