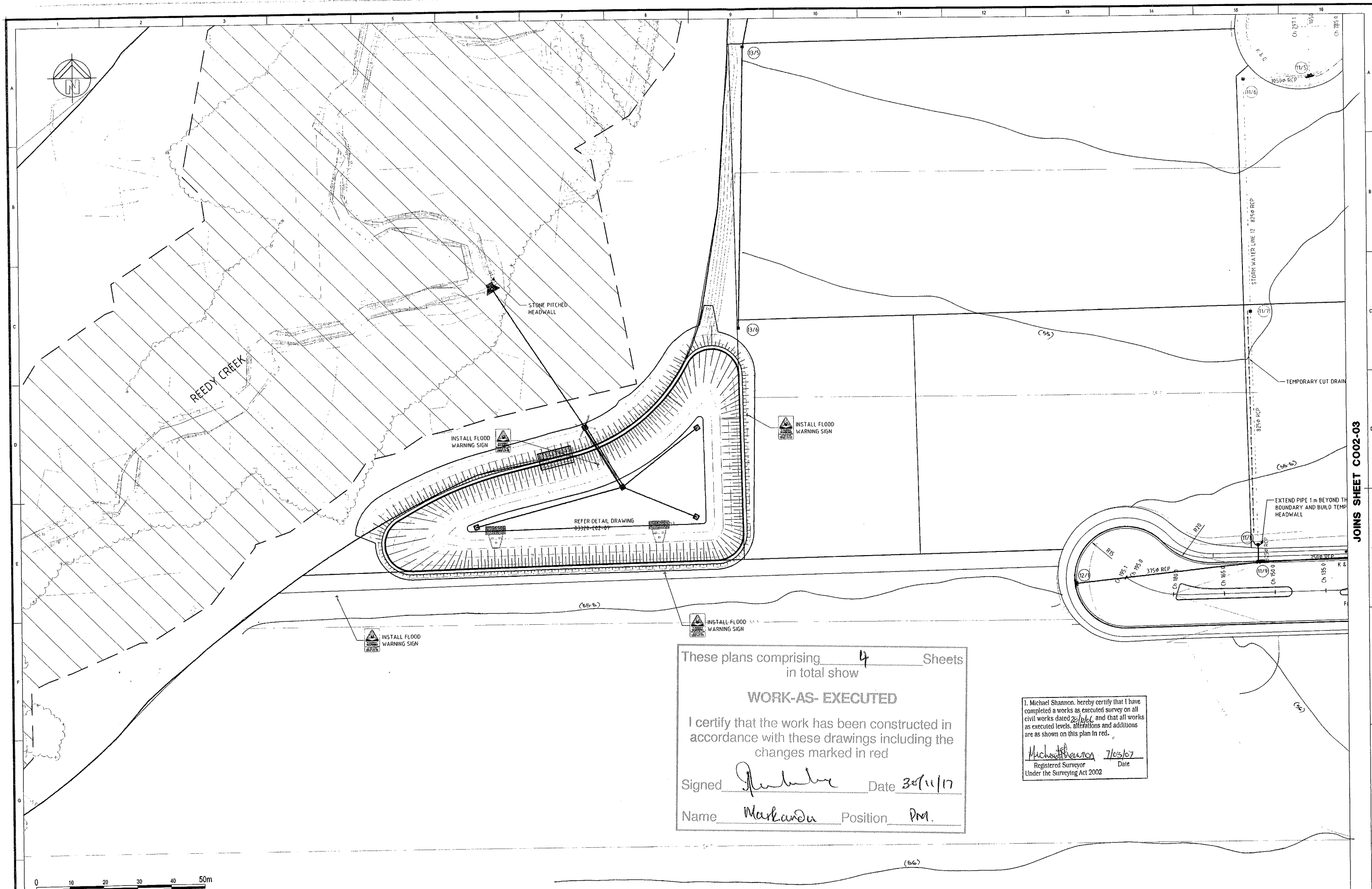




These plans comprising 4 Sheets
in total show
WORK-AS- EXECUTED
I certify that the work has been constructed in
accordance with these drawings including the
changes marked in red
Signed Markanda Date 30/11/17
Name Markanda Position PM.

I, Michael Shannon, hereby certify that I have
completed a works as executed survey on all
civil works dated 28/10/16 and that all works
as executed levels, alterations and additions
are as shown on this plan in red.
Michael Shannon 7/03/07
Registered Surveyor Date
Under the Surveying Act 2002

0 10 20 30 40 50m
SCALE 1:500

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
A	ISSUED FOR CONSTRUCTION	28.10.2005			
B	ISSUED FOR CC	14.10.2005			
C	STORM WATER LINE 1" AMENDED	18.11.2004			
D	ISSUED FOR TENDER	16.11.2004			

CLIENT
MACQUARIE GOODMAN
SURVEYOR
HARD & FORESTER

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Henry & Hymas.


H & H CONSULTING ENGINEERS Pty Ltd
Trading as
HENRY & HYMAS
CONSULTING CIVIL & STRUCTURAL ENGINEERS
LEVEL 5, 79 VICTORIA AVENUE
CHATSWOOD NSW 2067
PHONE (02) 9417 0400 FAX (02) 9417 8337
EMAIL email@hhconsult.com.au

PROJECT **M7 BUSINESS HUB**
cnr. WALLGROVE RD. & OLD WALLGROVE RD.
EASTERN CREEK
TITLE
EAST PRECINCT
GENERAL ARRANGEMENT PLAN SHEET 4 OF 4

DRAWN
TM
DESIGNED
ES
DRAWING No.
03320-C02-05
DATE
OCTOBER 2004
SCALE
1:500 @ A1
REV
A

JOINS SHEET C002-03

BASIN No. 2 SETOUT TABLE				
NUMBER	EASTING	NORTHING	ELEVATION	DESCRIPTION
301	300699.268	6256103.907	53.50	PC
302	300664.9473	6256164.056	53.50	CCR64.000
303	300685.611	6256086.970	53.50	CPI
304	300664.459	6256081.872	53.50	PT
305	300645.478	6256077.297	53.50	PC
306	300668.348	6255982.401	53.50	CCR97.60
307	300638.281	6256075.56	53.50	CPI
308	300631.428	6256072.763	53.50	PC
309	300631.807	6256071.837	53.50	CCR1000
310	300626.254	6256070.713	53.50	CPI
311	300631.830	6256070.837	53.50	PT
312	300700.686	6256072.478	53.50	PC
313	300700.662	6256073.478	53.50	CCR1000
314	300701.682	6256072.502	53.50	CPI
315	300701.661	6256073.498	53.50	PT

These plans comprising
in total show
Sheets

WORK-AS-EXECUTED

I certify that the work has been constructed in
accordance with these drawings including the
changes marked in red

Signed *[Signature]* Date **30/11/17**

Name **Markandu** Position **PM**

ROCK LINED WIER REFER
DETAIL ON DRG 03320-C02-08
@ RL 55.30

DETAIL PLAN

SCALE 1:250

0 1 2 3 4 5 10m 15 20m
SCALE 1:250

LEGEND

DRAINAGE PIT WITH GRATE
 DRAINAGE PIT WITH COVER
 UPSTREAM INVERT LEVEL
 PIPE DIAMETER AND CLASS
 PIPE LENGTH
 PIPE GRADIENT (PERCENT)
 DOWNSTREAM INVERT LEVEL

PROPOSED STORMWATER DRAINAGE LINE
 PROPOSED SUBSOIL DRAINAGE LINE



I, Michael Shannon, hereby certify that I have
completed a works as executed survey on all
civil works dated 28/10/16 and that all works
as executed levels, alterations and additions
are as shown on this plan in red.

[Signature] 7/03/17
Registered Surveyor Date
Under the Surveying Act 2002

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
A	ISSUED FOR CONSTRUCTION	28.02.2006			
B	ISSUED FOR CC	14.10.2005			
C	ISSUED FOR TENDER	16.11.2004			

CLIENT
MACQUARIE GOODMAN

SURVEYOR
HARD & FORESTER

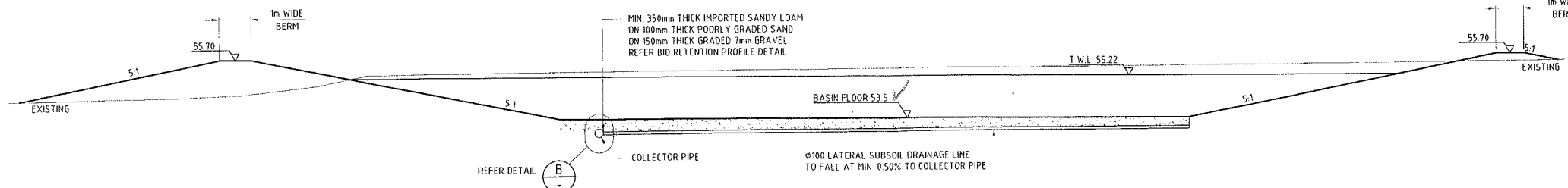
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Henry & Hymas.



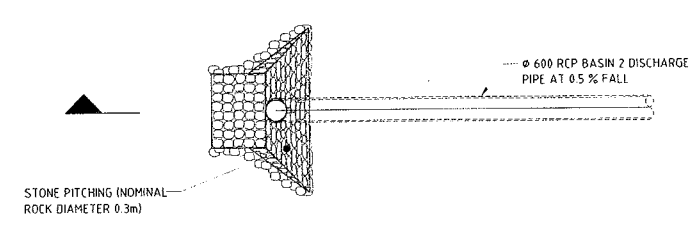
H & H CONSULTING ENGINEERS Pty Ltd
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CONSULTING CIVIL & STRUCTURAL ENGINEERS
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PROJECT **M7 BUSINESS HUB
cnr. WALLGROVE RD. & OLD WALLGROVE RD.
EASTERN CREEK**
TITLE **EAST PRECINCT
BIORETENTION BASIN No.2 DETAIL PLAN**

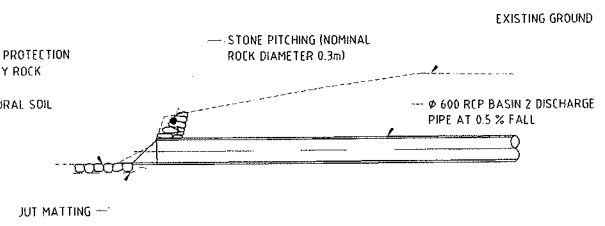
DRAWN
PK
DESIGNED
ES
DRAWING No.
03320-C02-07
DATE
OCTOBER 2004
SCALE
1:250 @ A1
REV
A



SECTION 2
SCALE 1:100

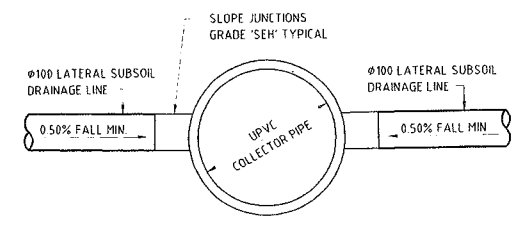


BASIN #2 - OUTLET DETAIL

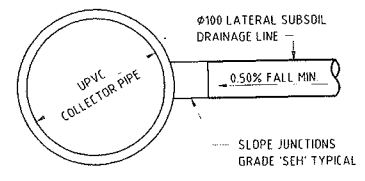


SECTION E
SCALE 1:100

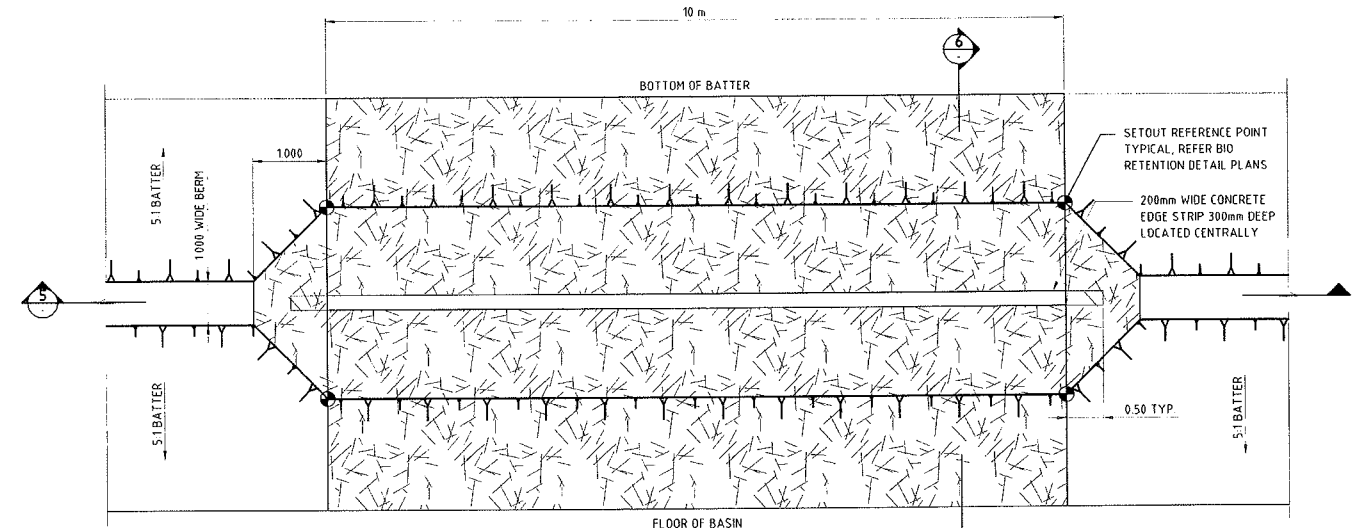
These plans comprising _____ Sheets
in total show
WORK-AS- EXECUTED
I certify that the work has been constructed in
accordance with these drawings including the
changes marked in red
Signed Michael Shannon Date 30/11/17
Name Markandu Position PM



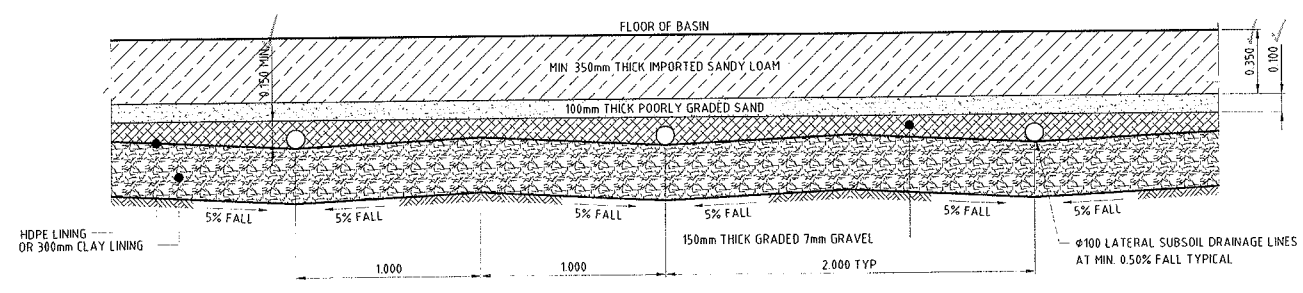
DETAIL A TYPICAL SUBSOIL CONNECTION DETAIL
SCALE 1:10



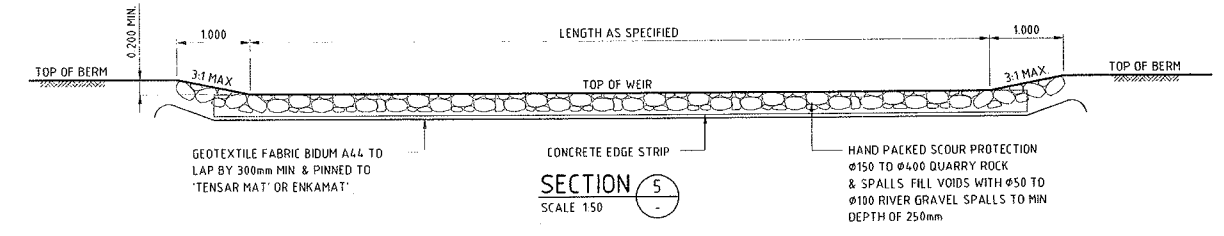
DETAIL B TYPICAL SUBSOIL CONNECTION DETAIL
SCALE 1:10



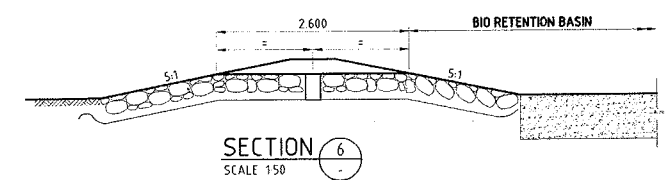
TYPICAL ROCK LINED WEIR DETAIL
SCALE 1:50



TYPICAL BIO RETENTION PROFILE PERPENDICULAR TO LATERAL SUBSOILS
SCALE 1:20



SECTION 5
SCALE 1:50



SECTION 6
SCALE 1:50

I, Michael Shannon, hereby certify that I have
completed a works as executed survey on all
civil works dated 20/11/17 and that all works
as executed levels, alterations and additions
are as shown on this plan in red.
Michael Shannon 01/05/17
Registered Surveyor Date
Under the Surveying Act 2002

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
B	ISSUED FOR CONSTRUCTION	29.02.2006			
A	ISSUED FOR OC	14.10.2006			
02	BASIN BATTER AMENDED	29.03.2005			
01	ISSUED FOR TENDER	16.11.2004			

CLIENT
MACQUARIE GOODMAN
SURVEYOR
HARD & FORESTER

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PROJECT
M7 BUSINESS HUB
cnr. WALLGROVE RD. & OLD WALLGROVE RD.
EASTERN CREEK
TITLE
EAST PRECINCT
BIORETENTION BASIN DETAILS

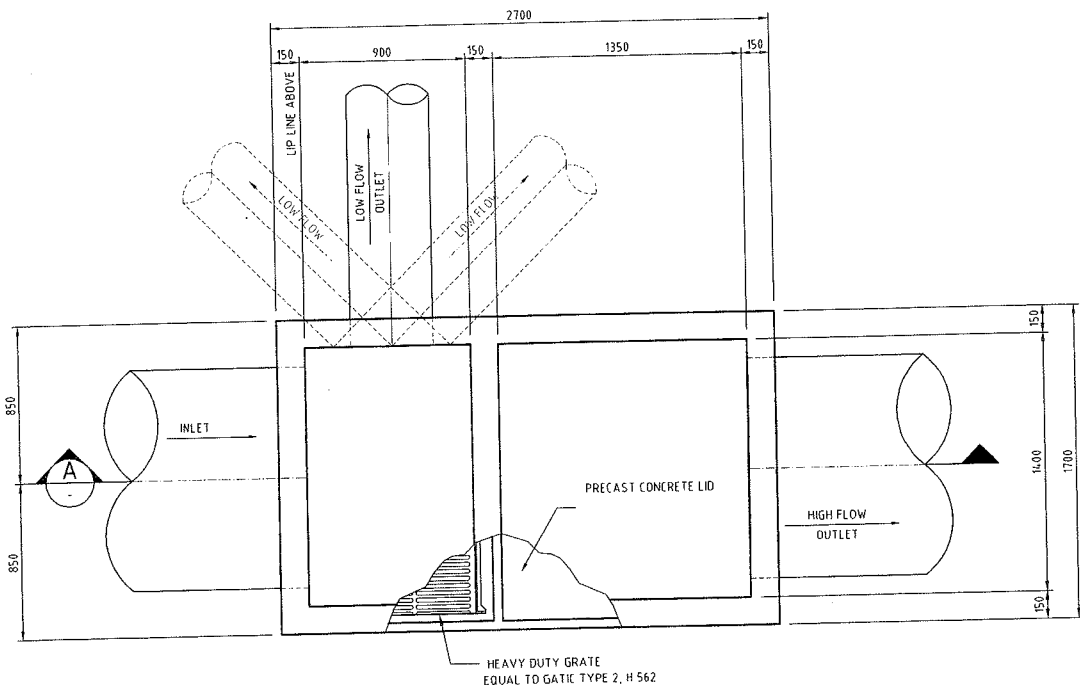
DRAWN
PK
DESIGNED
ES
DRAWING No
03320-C02-08
DATE
OCTOBER 2004
SCALE
AS SHOWN ON A1
REV
B

These plans comprising _____ Sheets
in total show

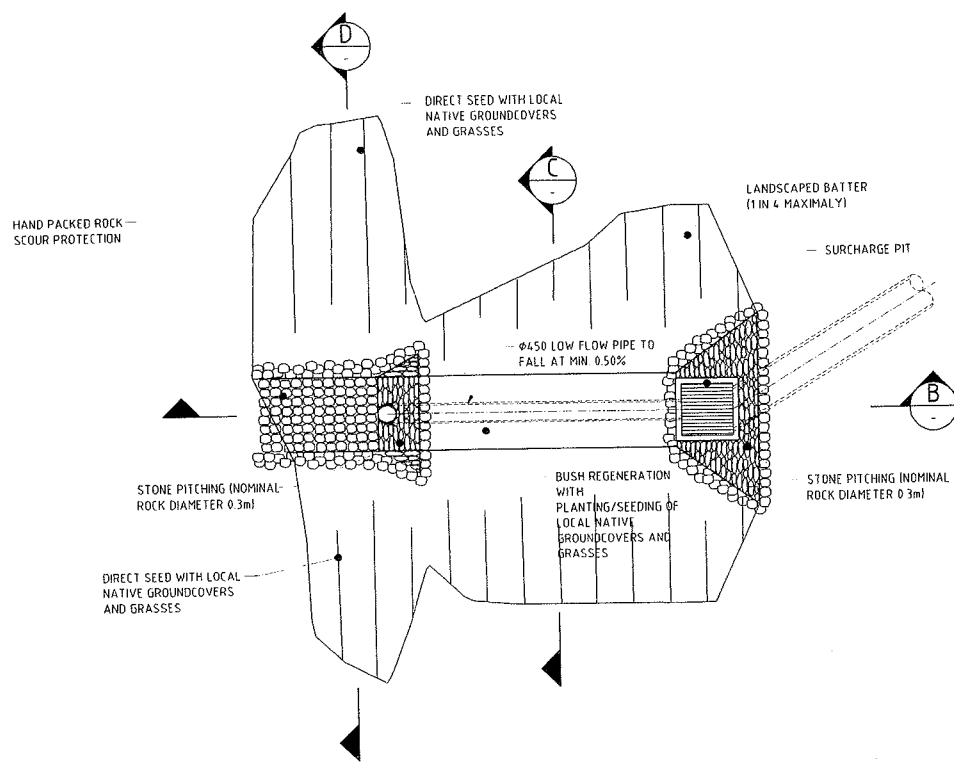
WORK-AS- EXECUTED

I certify that the work has been constructed in accordance with these drawings including the changes marked in red

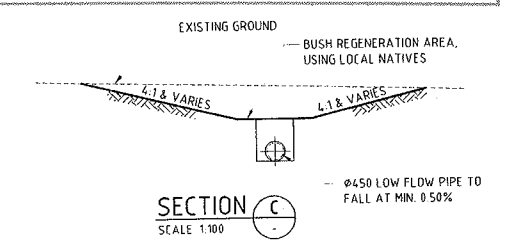
Signed Mark Anderson Date 30/11/17
Name Mark Anderson Position PM



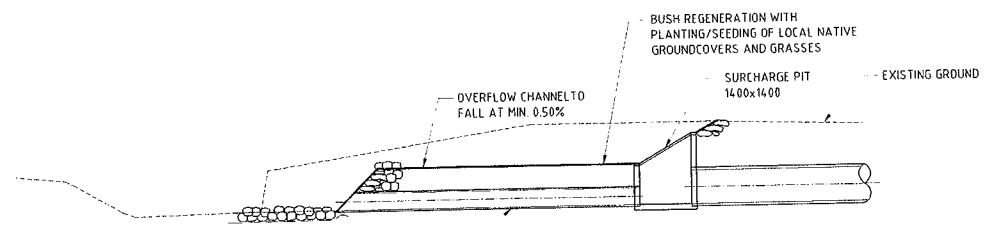
PLAN VIEW
HIGH LOW FLOW SEPERATION PIT
SCALE 1:20



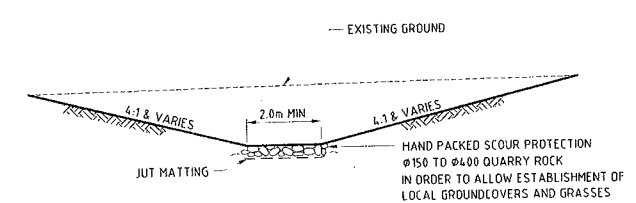
BASIN #1 - OUTLET DETAIL



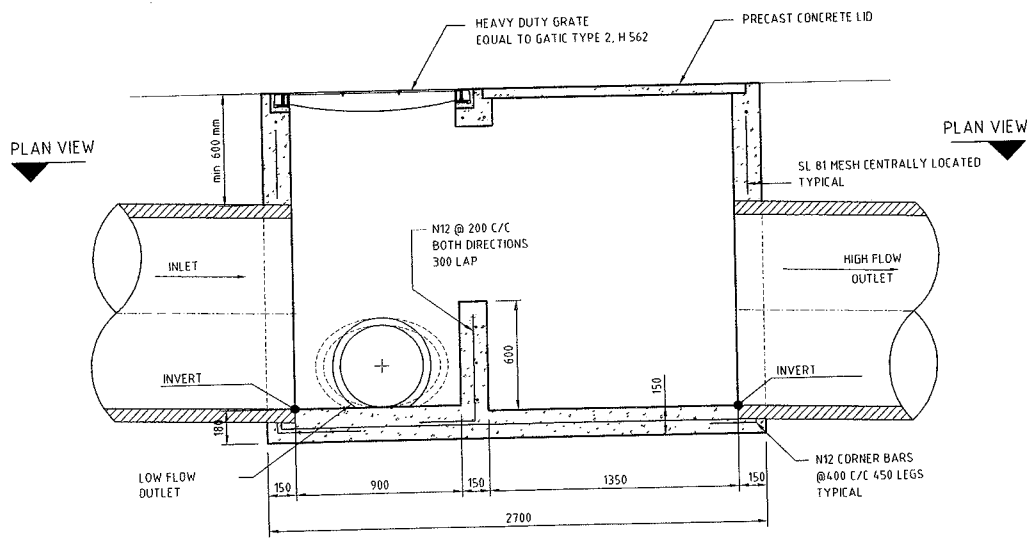
SECTION C
SCALE 1:100



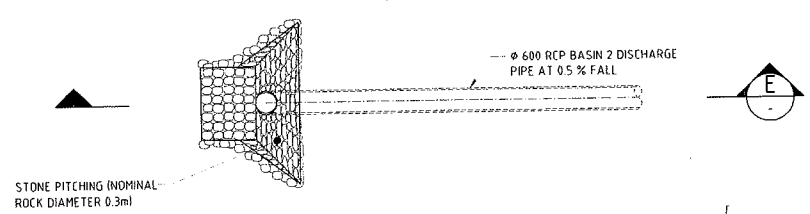
SECTION A
SCALE 1:100



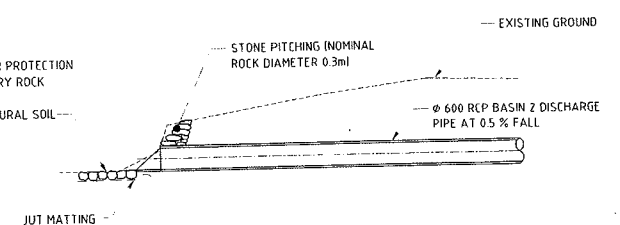
SECTION D
SCALE 1:100



SECTION A
SCALE 1:20



BASIN #2 - OUTLET DETAIL



SECTION E
SCALE 1:100

I, Michael Shannon, hereby certify that I have completed a works as executed survey on all civil works dated 28/12/16 and that all works as executed levels, alterations and additions are as shown on this plan in red.

Michael Shannon 28/12/16
Registered Surveyor
Under the Surveying Act 2002

I have checked the works and I have signed the drawings as shown.

Mark Anderson
Date 30/11/17

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						SURVEYOR						DESIGNED ES		SCALE AS SHOWN			
						MACQUARIE GOODMAN						TITLE EAST PRECINCT		DRAWING No. 03320-C02-09		REV A	
						HARD & FORESTER						GENERAL DETAILS					