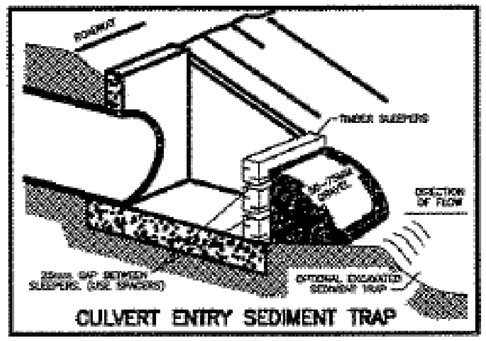
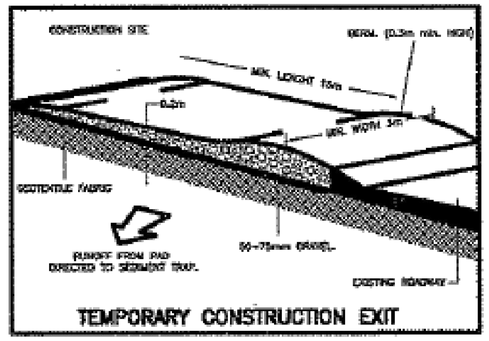
EROSION CONTROL NOTES:

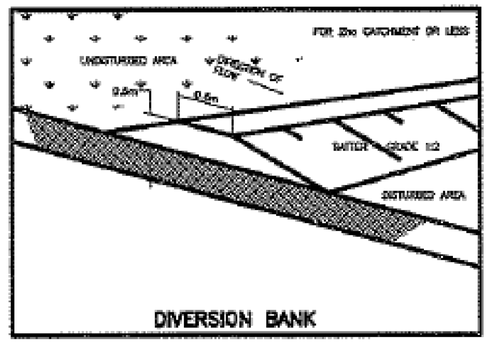
1. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH FAIRFIELD CITY COUNCIL'S STANDARD SPECIFICATIONS AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.
2. EROSION AND SEDIMENTATION CONTROLS SHALL BE CONSTRUCTED AS SHOWN ON THIS PLAN AND/OR WHERE DIRECTED BY COUNCIL'S ENGINEER.
3. SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE IMPLEMENTED PRIOR TO OR IN CONJUNCTION WITH THE FIRST PHASE OF EARTHWORKS AND SHALL BE REMOVED ONLY WHEN THE AREAS ABOVE IT HAVE BEEN STABILISED. EACH SEDIMENTATION AND EROSION CONTROL DEVICE SHALL BE INSPECTED AFTER EACH STORM FOR STRUCTURAL DAMAGE OR CLOGGING BY SILT AND OTHER DEBRIS AND PROMPTLY DESILTED, REPAIRED OR REPLACED IF REQUIRED.
4. TOPSOIL STOCKPILES SHALL BE LOCATED OUTSIDE HAZARD AREAS SUCH AS DRAINAGE DEPRESSIONS.
5. ALL AREAS NOT SUBJECT TO CONSTRUCTION WORKS SHALL BE RETAINED FREE FROM DISTURBANCE OR DAMAGE FOR THE DURATION OF THE WORKS.
6. TREES TO BE RETAINED SHALL BE PROTECTED DURING SITE WORKS AND CONSTRUCTION BY THE ERECTION OF SOLID BARRICADES AT THE DRIP LINE OR AS SPECIFIED BY COUNCIL'S ENGINEER.
7. THE DEVELOPER OR CONTRACTOR WILL TAKE ALL MEASURES TO PREVENT DAMAGE TO TREES AND ROOT SYSTEMS DURING SITE WORKS AND CONSTRUCTION ACTIVITIES INCLUDING THE PROVISION OF WATER, SEWERAGE AND STORMWATER DRAINAGE SERVICES. IN PARTICULAR, WORKS, ERECTION OF STRUCTURES, EXCAVATION OR CHANGES TO SOIL LEVELS WITHIN 4 METRES OF THE TRUNKS OF TREES TO BE RETAINED ARE NOT PERMITTED UNLESS PART OF THE DEVELOPMENT AS APPROVED, AND THE STORAGE OF SPOIL, BUILDING MATERIALS, SOILS OR THE DRIVING OR PARKING OF ANY VEHICLE OR MACHINERY WITHIN 4 METRES OF THE TRUNK OF A TREE TO BE RETAINED, IS NOT PERMITTED.
8. WETTING OF THE SITE SHOULD BE CARRIED OUT AS OFTEN AS NECESSARY AS A FORM OF DUST CONTROL.
9. SILT FENCES TO BE CONSTRUCTED WHERE EVER NATURAL SURFACE SLOPES AWAY FROM DISTURBED AREAS OR WHERE DIRECTED BY THE ENGINEER.
10. FILTER SILT FENCES SHOWN



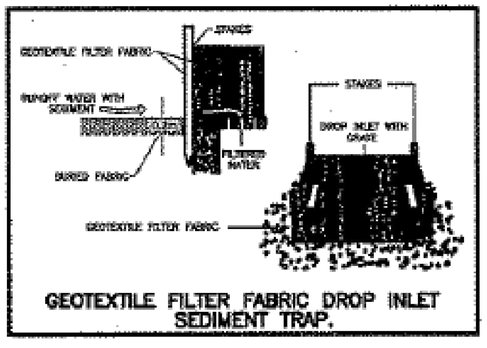
CULVERT ENTRY SEDIMENT TRAP



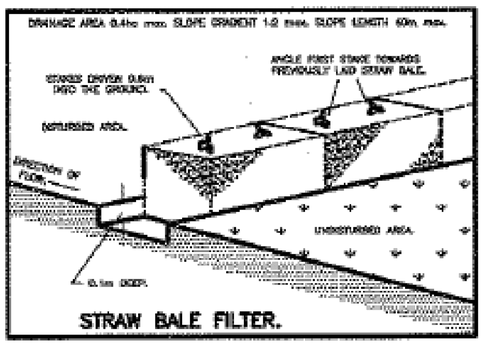
TEMPORARY CONSTRUCTION EXIT



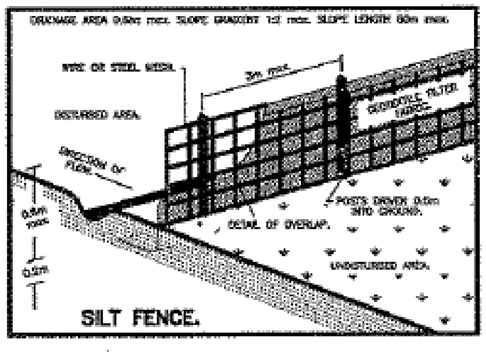
DIVERSION BANK



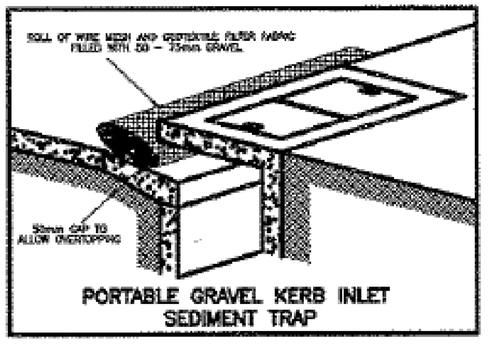
GEOTEXTILE FILTER FABRIC DROP INLET SEDIMENT TRAP.



STRAW BALE FILTER.



SILT FENCE.



PORTABLE GRAVEL KERB INLET SEDIMENT TRAP

No.	REVISION	DATE	INIT'S
A	DETAILS AND TITLE BLOCK UPDATED	03.01	G.L.

SCALE: N.T.S. DATUM: N.A. ACAD FILE: P:\ACAD\STD-DWG\SEDIMENT

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER DATE: 03.01

APPROVED — MAN – ENGINEERING SERVICES DATE: 03.01

DESIGN: DRAWN: BEATA POSTLEP

FAIRFIELD CITY COUNCIL

POLLUTION CONTROL STANDARD MEASURES NOTES AND DETAILS

S-228

SHEET NO. 1 of 1 | REV'N NO. A

ISSUE	REVISION	DATE	INTIAL
C	ISSUE FOR 95% DA APPROVAL	31.07.20	PS
B	ISSUE FOR 90% DA APPROVAL	27.07.20	PS
A	ISSUE FOR DA APPROVAL	15.05.20	PS

wsp
Sydney, NSW, Australia
www.wsp.com

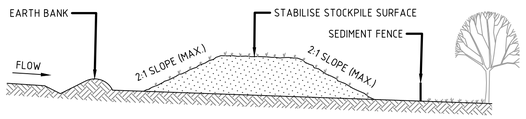
PRELIMINARY

FAIRFIELD SUSTAINABLE RESOURCE CENTRE
WIDEMERE RD AND HASSELL ST

POLLUTION CONTROL STANDARD MEASURES NOTES AND DETAILS

CIVIL DRAWING

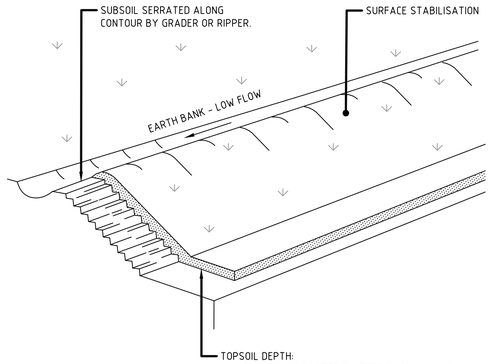
Designed: PS | Drawn: MR | Scale: NTS | Date: APRIL 2020
Approved: - STEVE NOVAK | Project Engineer/Director: | Date: 15/05/2020
Project No: PS102981 | Drawing No: S-228 | Issue: C
North



CONSTRUCTION NOTES

1. PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2m DOWNSLOPE.

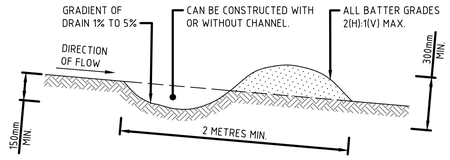
STOCKPILES (SD 4-1)



CONSTRUCTION NOTES

1. SCARIFY THE GROUND SURFACE ALONG THE LINE OF THE CONTOUR TO A DEPTH OF 50mm TO 100mm TO BREAK UP ANY HARDSETTING SURFACES AND TO PROVIDE A GOOD BOND BETWEEN THE RESPREAD MATERIAL AND SUBSOIL.
2. ADD SOIL AMELIORANTS AS REQUIRED BY THE ESCP OR SWMP.
3. RIP TO A DEPTH OF 300mm IF COMPACTED LAYERS OCCUR.
4. WHERE POSSIBLE, REPLACE TOPSOIL TO A DEPTH OF 40 TO 60mm ON LANDS WHERE THE SLOPE EXCEEDS 4(H):1(V) AND TO AT LEAST 75mm ON LOWER GRADIENTS.

REPLACING TOPSOIL (SD 4-2)

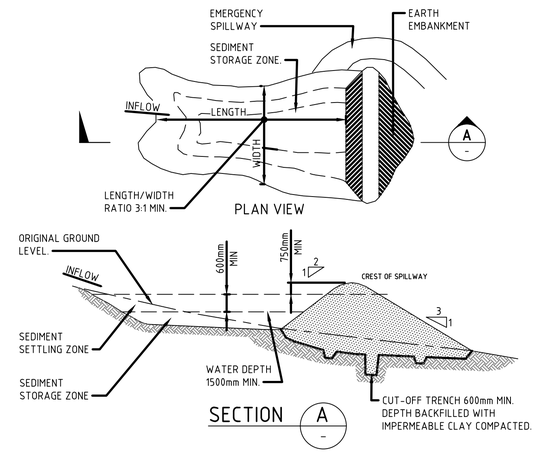


CONSTRUCTION NOTES

1. BUILD WITH GRADIENTS BETWEEN 1 AND 5 PERCENT.
2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE – WORK AROUND THEM.
3. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V SHAPED.
5. ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.

NOTE: ONLY TO BE USED AS TEMPORARY BANK
WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES.

EARTH BANK - LOW FLOW (SD 5-5)

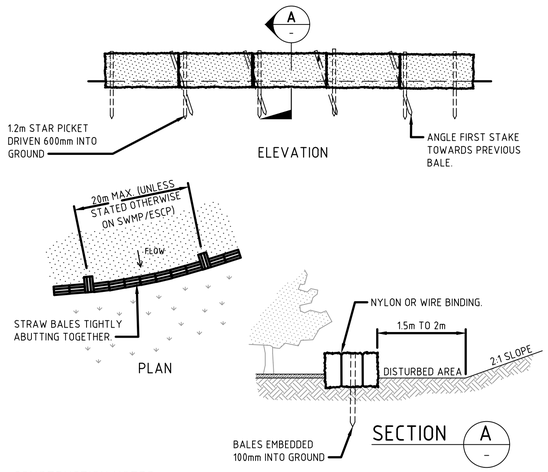


CONSTRUCTION NOTES

1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA.
2. CONSTRUCT A CUT-OFF TRENCH 500mm DEEP AND 1200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST.
3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT AS SPECIFIED IN THE SWMP TO 95 PER CENT STANDARD PROCTOR DENSITY.
4. SELECT FILL FOLLOWING THE SWMP THAT IS FREE OF ROOTS, WOOD, ROCK, LARGE STONE OR FOREIGN MATERIAL.
5. PREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING TO AT LEAST 100mm TO HELP BOND COMPACTED FILL TO THE EXISTING SUBSTRATE.
6. SPREAD THE FILL IN 100mm TO 150mm LAYERS AND COMPACT IT AT OPTIMUM MOISTURE CONTENT FOLLOWING THE SWMP.
7. CONSTRUCT THE EMERGENCY SPILLWAY.
8. REHABILITATE THE STRUCTURE FOLLOWING THE SWMP.

(APPLIES TO 'TYPE D' AND 'TYPE F' SOILS ONLY)

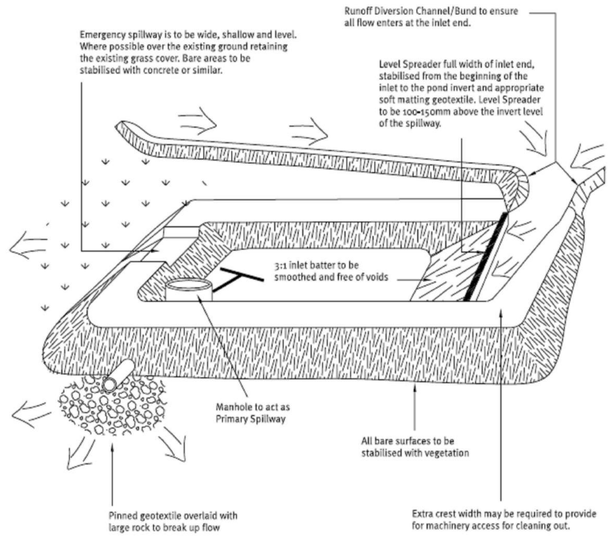
EARTH BASIN - WET (SD 6-4)



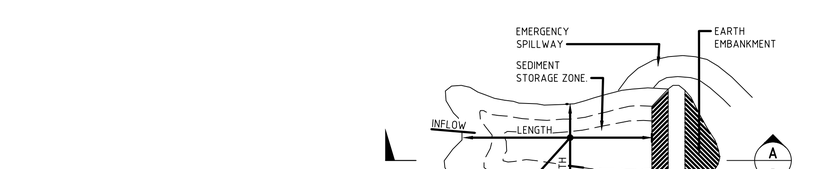
CONSTRUCTION NOTES

1. CONSTRUCT THE STRAW BALE FILTER AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE.
2. PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STRAWS ARE TO BE PLACED PARALLEL TO GROUND.
3. ENSURE THAT THE MAXIMUM HEIGHT OF THE FILTER IS ONE BALE.
4. EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 1.2 METRE STAR PICKETS OR STAKES. ANGLE THE FIRST STAR PICKET OR STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE THEM 600mm INTO THE GROUND AND, IF POSSIBLE, FLUSH WITH THE TOP OF THE BALES. WHERE STAR PICKETS ARE USED AND THEY PROTRUDE ABOVE THE BALES, ENSURE THEY ARE FITTED WITH SAFETY CAPS.
5. WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWNSLOPE FROM A DISTURBED BATTER, ENSURE THE BALES ARE PLACED 1 TO 2 METRES DOWNSLOPE FROM THE TOE.
6. ESTABLISH A MAINTENANCE PROGRAM THAT ENSURES THE INTEGRITY OF THE BALES IS RETAINED - THEY COULD REQUIRE REPLACEMENT EACH TWO TO FOUR MONTHS.

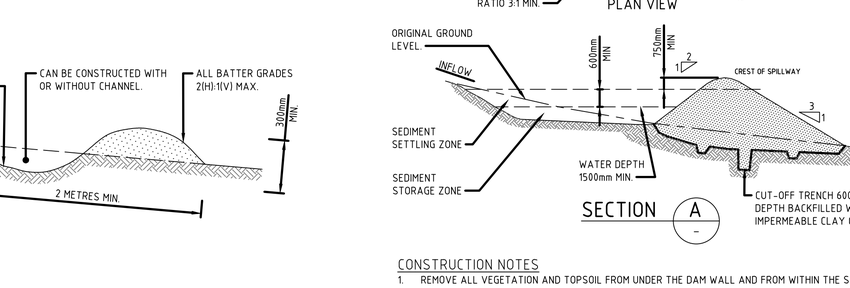
STRAW BALE FILTER (SD 6-7)



SEDIMENT POND



Type A Sediment Basin Long Section (Typical NTS)



Type A Sediment Basin Plan View (Typical NTS)

ISSUE	REVISION	DATE	INTIAL
C	ISSUE FOR 95% DA APPROVAL	31.07.20	PS
B	ISSUE FOR 90% DA APPROVAL	27.07.20	PS
A	ISSUE FOR DA APPROVAL	15.05.20	PS

wsp
Sydney, NSW, Australia
www.wsp.com

PRELIMINARY

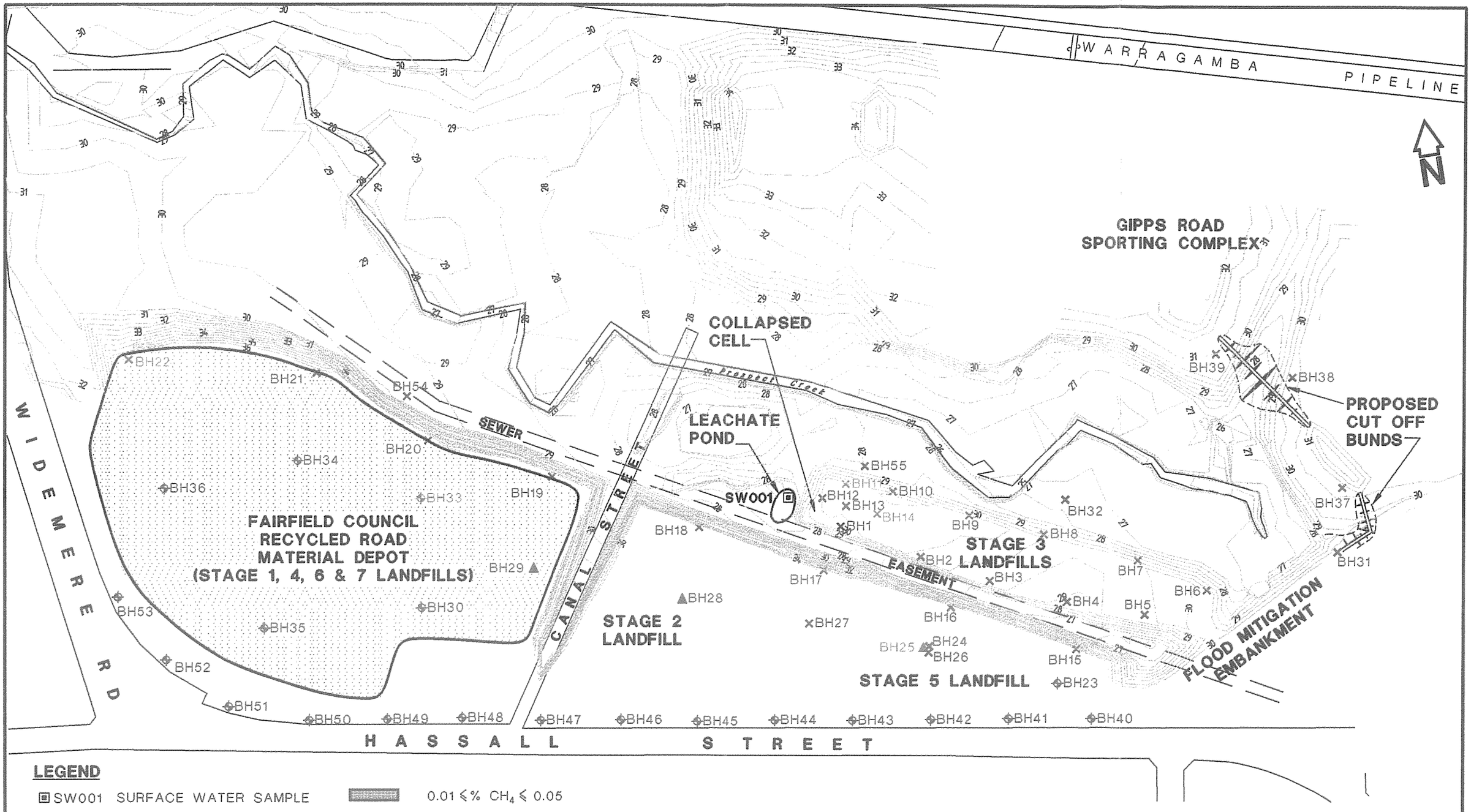
FAIRFIELD SUSTAINABLE RESOURCE CENTRE
WIDEMERE RD AND HASSELL ST

SEDIMENT AND EROSION CONTROL DETAILS AND NOTES

CIVIL DRAWING

Designed: PS
Drawn: MR
Scale: NTS
Date: APRIL 2020
Approved: - STEVE NOVAK
Project Engineer/Director: Date: 15/05/2020
Project No: PS102981
Drawing No: C076
North
Issue: C

ATTACHMENT C
WC (1994) DRAWINGS



LEGEND

▣ SW001	SURFACE WATER SAMPLE	0.01 ⩽ % CH_4 ⩽ 0.05
⊕ BH40	SHALLOW BOREHOLE	0.05 < % CH_4 ⩽ 1
× BH5	DEEP BOREHOLE	1 < % CH_4 ⩽ 5
▲ BH25	GAS MONITORING BORE	5 < % CH_4 ⩽ 15
		15 < % CH_4

DESIGNED	EAS
DRAWN	HC
CHECKED	
APPROVED	
DATE	JUNE '94

Woodward-Clyde

Engineering & sciences applied to the earth & its environment

AGC Woodward-Clyde Pty Ltd
Level 6, 486-494 Pacific Highway
St Leonards, NSW, Australia 2065
Tel (02) 436 4666 Fax (02) 436 4110

REVISION	B
SCALE	As shown
DRAWING	3496G.001
FIGURE	2

FAIRFIELD CITY COUNCIL
HASSALL STREET LANDFILLS

TITLE:

SITE PLAN AND APPROXIMATE MONITORING LOCATIONS AND METHANE GAS CONCENTRATIONS

SYD/LJE/2-94