

KEY:
CL= CONCRETE LEVEL
IL= INVERT LEVEL
TOK= TOP OF KERB
GL= GRATE LEVEL
I/O= INSPECTION OUTLET
DP= DOWN PIPE
DR= DROPER / RISER PIPE

PORVIDE COUNTOUR BANK
TOP OF BANK TO BE MADE LEVEL
AND WINGS EXTENDED TO MEET
EXISTING SURFACE AT EACH END.

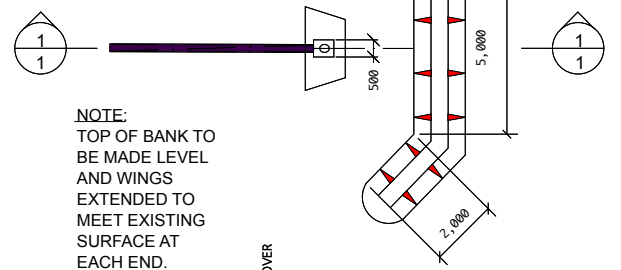
PROVIDE ECOMAX SOLUTION
EXCAVATE/PREPARE BASE OF MOUND, SCARIFIED
TO A DEPTH OF 400, SAND DRESS UNDER
BLANKET, CONSTRUCT MEMBRAINE, LINE WITH
IMPREVIOUS LINER, CONSTRUCT ECOMAXREO
DRAINS, BACKFILL WITH AMENDED SOIL, FINAL
SHAPING OF ECOMAX SAND FILTER MOUND

PROVIDE SWALE 0.25
DEEPx2M WIDE

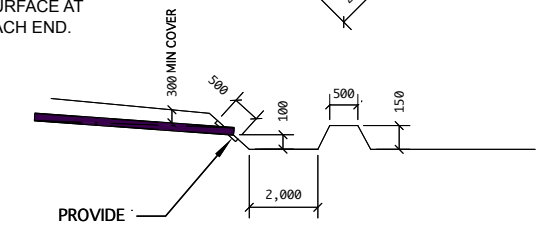
PROVIDE ECOMAX SOLUTION EXCAVATE/PREPARE
BASE OF MOUND, SCARIFIED TO A DEPTH OF 400,
SAND DRESS UNDER BLANKET, CONSTRUCT
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CONSTRUCT ECOMAXREO DRAINS, BACKFILL WITH
AMENDED SOIL, FINAL SHAPING OF ECOMAX SAND
FILTER MOUND

PORVIDE COUNTOUR BANK
TOP OF BANK TO BE MADE LEVEL
AND WINGS EXTENDED TO MEET
EXISTING SURFACE AT EACH END.

PROVIDE SWALE 0.25
DEEPx2M WIDE

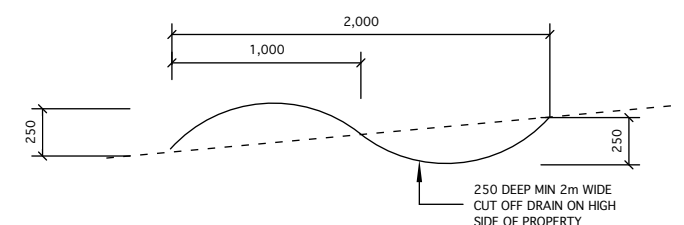


NOTE:
TOP OF BANK TO
BE MADE LEVEL
AND WINGS
EXTENDED TO
MEET EXISTING
SURFACE AT
EACH END.



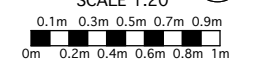
PROVIDE
100mm THICK
CONCRETE
COLLAR

COUNTOUR BANK
DETAIL
NOT TO SCALE



250 DEEP MIN 2m WIDE
CUT OFF DRAIN ON HIGH
SIDE OF PROPERTY

CUT OFF DRAIN
DETAIL
SCALE 1:20

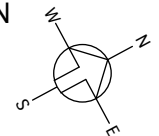
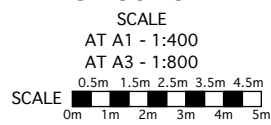


PROVIDE 10 sqrm RAINGARDEN
OVERFLOW FROM 10,000L RAINWATER TANK
TO BE DIRECTED TO RAINGARDEN
1500 UPVC PIPE DIRECTED TO WEST PARADE
TABLE DRAIN
PIT GL = 392.65
PIT IL = 391.95
MIN. 14 SQRM, 400 DEEP RETENTION AREA,
200 ABOVE PIT GL,
WITH 2,000 WIDE, 100 DEEP WEIR TO LOW SIDE
SEE TYPICAL RAINGARDEN SECTION

PROVIDE 100Ø UPVC PIPE
GRADE = 1.0%
LENGTH = 10.0m

TABLE DRAIN RL = 391.85

DRAINAGE CONCEPT PLAN



NOTE:
• THE ADVANCED ALTERNATIVE TERTIARY
WASTEWATER EFFLUENT SYSTEM
(ECOMAX) WILL NEED TO BE
CONSTRUCTED IN ACCORDANCE WITH THE
MANUFACTURER

NOTE:
• ALL FLOWS ARE FOR 10 YEAR ANNUAL RECURRENCE INTERVAL.
• ALL CHARGED PIPES TO BE SEWER GRADE SEALED PIPES
• ALL GRADES AND PIPE LENGTH HAVE BEEN MEASURED FROM
THE CENTRE OF EACH PIT.
• LEVELS TAKE PRECEDENCE OVER GRADES.

NOTE:
- LOCATION OF SERVICES TO BE CHECKED
BY CONTRACTOR PRIOR TO COMMENCEMENT
OF WORK.

SURFACE DRAINAGE NOTES.
THE POSSIBILITY OF SURFACE WATER ENTERING LIVING AREAS IN
CLASS 1 BUILDINGS MAY BE REDUCED BY THE FOLLOWING
MEASURES. THE MINIMUM HEIGHT OF THE SLAB ABOVE FINISH
GROUND, LANDSCAPING OR PAVING LEVEL SHALL BE 150MM,
EXCEPT IN THE FOLLOW CASES:
a) IN SANDY, WELL-DRAINING AREA THE MINIMUM HEIGHT SHALL
BE 100MM.
b) WHERE ADJOINING PAVED AREAS SLOPE AWAY FROM THE
BUILDING THESE HEIGHTS CAN BE REDUCED TO 50MM.
c) THESE HEIGHTS MAY BE FURTHER REDUCED LOCALLY AT
ENTRANCES THAT ARE SHIELDED FROM THE WEATHER.

GENERAL NOTES:
- DO NOT SCALE
- GRADES INDICATIVE ONLY, LEVELS TO
TAKE PRECEDENCE OVER GRADES.
- LEVELS MAY VARY WITH FINAL
DETAIL DESIGN.
- ALL DIMENSIONS ARE IN MM UNLESS
SHOWN OTHERWISE.
- THE BUILDER IS TO CHECK ALL DIMENSIONS
ON SITE PRIOR TO COMMENCING WORK.
- ALL WORK IS TO BE IN ACCORDANCE WITH
AUSTRALIAN CODES AND COUNCIL REGULATIONS.

David Turner
MIEAust CPEng
Chartered Professional Engineer
Membership No. 47157
The Institution of Engineers, Australia

CERTIFICATION.
DESIGNED IN ACCORDANCE WITH
RELEVANT AUSTRALIAN CODES
D. TURNER.B.E.(MIEA) CPENG

DMC
D & M CONSULTING PTY LTD
civil and structural engineers
1 & 2, 16 Mitchell Street, Camden 2570
PH (02) 4647 4014
engineer@dmceng.com.au

PROJECT:- PROPOSED DEVELOPMENT

CLIENT:- JOANNE TAPP TOWN
PLANNING

ADDRESS:- 600 WEST
PARADE, BUXTON

DRAWN AR
CHECKED DLT
DATE 08/10/18
SCALE AS SHOWN
SHEET C1

DWG No
170545

B	08/10/18	MINOR CHANGES TO THIS PAGE	AR
AMEND	DATE	DESCRIPTION	DRAWN