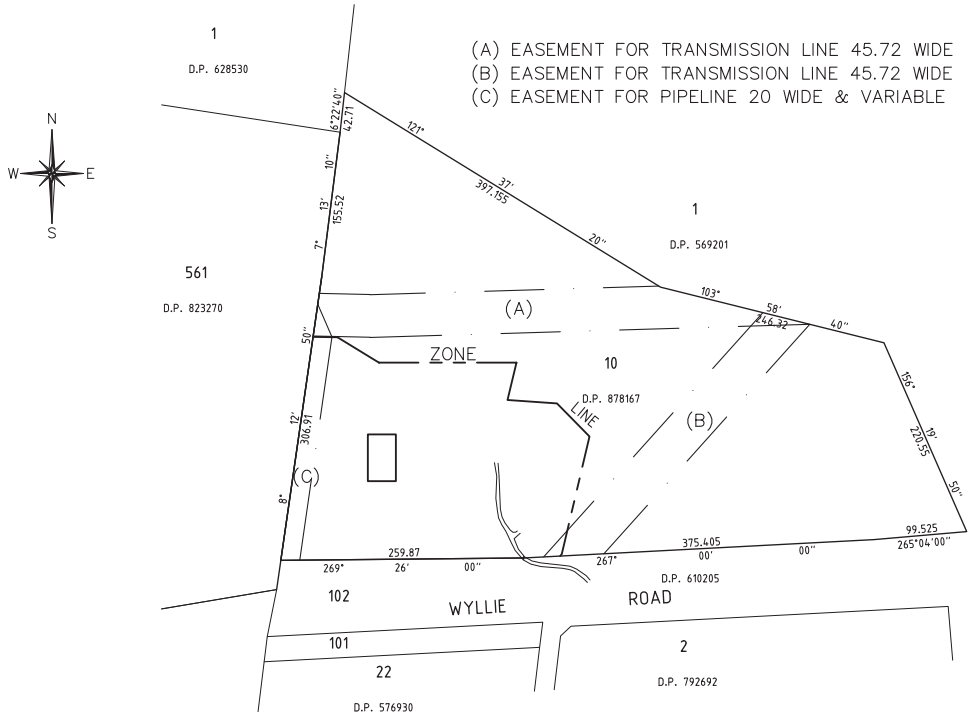
PROPOSED INDUSTRIAL DEVELOPMENT
WYLLIE ROAD, KEMBLA GRANGE



SITE PLAN
NTS

INDEX OF SHEETS

C10A	COVER SHEET
C10	OVERALL PLAN
C11	SITE SECTIONS
C12	POND DETAILS
C13	SOIL WATER MANAGEMENT PLAN
C14	SOIL AND WATER MANAGEMENT DETAILS
C15	SURFACES PLAN
C16	OSD BASIN B
C17	SHREDDING AREA DETAIL
C18	SWEPT PATH AND CARPARKING DETAIL
C19	EXISTING SITE PLAN–SURVEY DATED SEPT 2012
C20–C26	NOT IN THIS SET OF DRAWINGS
C27	PROPOSED LAYOUT
C28	CUT AND FILL PLAN
C29	SITE PLAN – USAGE AREAS
C30	SITE PLAN – PROPOSED LAYOUT – PMF FLOOD LINES
C31	RAINWATER HARVESTING PLAN
C32	LEACHATE CONTROL PLAN
C33	SITE PLAN – PROPOSED LAYOUT – Q100 FLOOD LINES

NOTE:
DRAWINGS C19–C32 (EXCLUDING C20–C26) HAVE BEEN ADDED TO THE DOCUMENTATION AT THE REQUEST OF THE DEPARTMENT OF PLANNING

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DO NOT SCALE

DRAINAGE NOTES

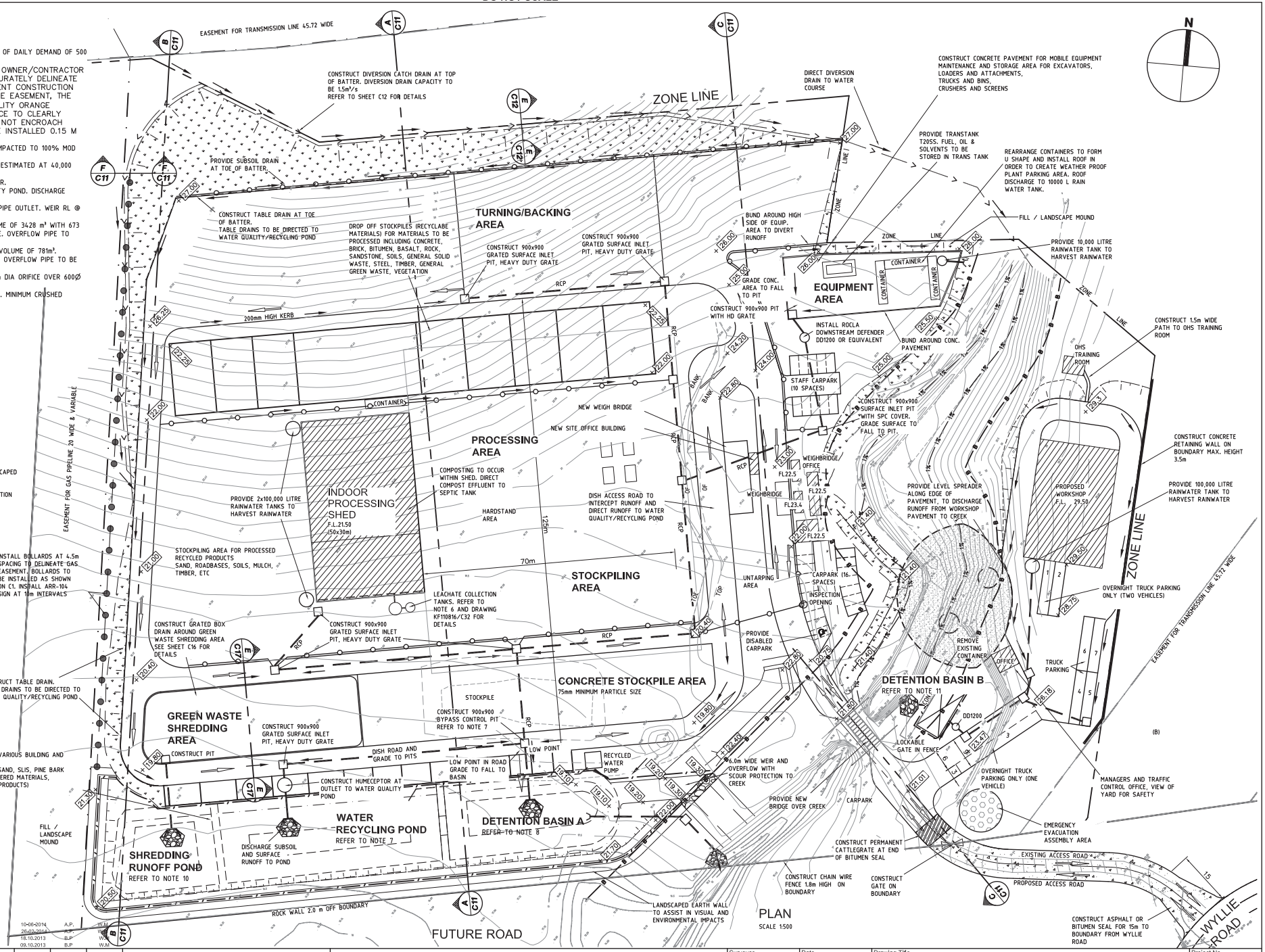
1. RAINWATER TANKS TO HAVE FIRST FLUSH BYPASS SYSTEM
2. 2 x 100,000 LITRE TANKS WILL PROVIDE APPROXIMATELY 82% OF DAILY DEMAND OF 500 LITRES/DAY
3. PRIOR TO COMMENCING CONSTRUCTION WORK, THE OWNER/CONTRACTOR SHALL ENGAGE A REGISTERED SURVEYOR TO ACCURATELY DELINEATE THE GAS PIPELINE BOUNDARY. IN ORDER TO PREVENT CONSTRUCTION PLANT FROM ENCROACHING ONTO THE GAS PIPELINE EASEMENT, THE OWNER/CONTRACTOR SHALL INSTALL A HIGH VISIBILITY ORANGE PARA-WEB FENCING OR 1.8M HIGH CHAINWIRE FENCE TO CLEARLY DELINEATE THE LIMIT OF WORK. THE FENCE SHALL NOT ENCROACH UPON THE GAS PIPELINE EASEMENT AND SHALL BE INSTALLED 0.15 M OFF THE EASEMENT BOUNDARY.
4. WATER QUALITY/RECUTCLING POND EMBANKMENT IS TO BE COMPACTED TO 100% MOD COMPACTION UNDER LEVEL 2 GEOTECHNICAL CONTROL
5. DUST CONTROL TO BE ACHIEVED USING WATER CART. DEMAND ESTIMATED AT 40,000 L/DAY
6. LEACHATE COLLECTION TANKS PUMPED OUT BY SERVICE TANKER.
7. BYPASS CONTROL PIT TO DIVERT 220 l/sec TO WATER QUALITY POND. DISCHARGE EXCEEDING 230 l/sec TO DRAIN DIRECT TO DETENTION BASIN.
8. DETENTION BASIN TO HAVE 1953m³ STORAGE WITH 675mm DIA PIPE OUTLET. WEIR RL @ APPROX. 18.85m.
9. WATER QUALITY/RECYCLING POND TO HAVE PERMANENT VOLUME OF 3428 m³ WITH 673 m³ EXTENDED STORAGE. OVERFLOW PIPE TO BE 100mm DIA PIPE. OVERFLOW PIPE TO DISCHARGE TO DETENTION BASIN.
10. SHREDDING RUNOFF POND. SHREDDING RUNOFF POND TO HAVE VOLUME OF 781m³. OVERFLOW PIPE TO BE DISCHARGED TO WATER QUALITY POND. OVERFLOW PIPE TO BE 100mm DIA.
11. OSD BASIN B TO HAVE VOLUME OF 235m³. OUTLET TO BE 500m DIA ORIFICE OVER 600Ø PIPE. WEIR RL @ APPROX. 20.35m
12. NO STORAGE OF BUOYANT MATERIAL IN PMF INUNDATION AREA. MINIMUM CRUSHED AGGREGATE SIZE IN PMF INUNDATION AREA TO BE 75mm

LEGEND

- DENOTES PROPOSED BUILDING
- DENOTES EXISTING CONTOURS
- DENOTES PROPOSED SURFACE LEVELS
- DENOTES PROPOSED BATTER (1 IN 2) TO BE LANDSCAPED
- DENOTES PROPOSED LANDSCAPING/BATTER PROTECTION
- DENOTES 10m BUFFER LINE FROM TOP BANK
- DENOTES 1% AEP FLOOD LIMIT
- DENOTES SUBSOIL DRAINAGE
- DENOTES CATCH DRAIN
- DENOTES DIECTION OF TRAFFIC FLOW
- DENOTES STORMWATER FLOW
- DD — DENOTES HUMECEPTOR DOWNSTREAM DEFENDER
- DENOTES BOLLARD & SIGNAGE
- DENOTES STORMWATER PITS AND PIPES



SIGN - ARR-104



Revision	Amendment or reason for issue	Issue date	Drawn by	Authorised
K	AMENDED TO DEPT OF PLANNING AND COUNCIL COMMENTS	10-06-2014	A.P.	W.M.
J	AMENDED TO DEPT OF PLANNING COMMENTS	26-05-2014	A.P.	W.M.
I	CARPARKING ADDED	18.10.2013	B.P	W.M.
H	FILL / LANDSCAPE MOUND AMENDED	09.10.2013	B.P	W.M.
G	AMENDMENTS AS PER COMMENTS 1-06-2013 AND LANDSCAPE ARCHITECT 08.08.2013	8-08-2013	B.P	W.M
F	AMENDED AS PER COMMENTS	25.07.2013	B.P	
E	TRUCK PARKIN, STORMWATER FLOW AND NOTES ADDED	09-04-2013	B.P	WM
D	TPZ AMENDED AS PER ARBORIST REQUIREMENTS, OFFICE MOVED TO THE SOUTH	18-12-2012	A.P.	WM
C	TREES ADDED FROM LANDSCAPE DWGS, BLDGS RELOCATED OUT OF RIPARIAN AND FIG TREE	13-12-2012	A.P.	WM
B	SIX CAR SPACES ADDED	06-12-2012	A.P.	WM
A	AMENDED AT CLIENTS REQUEST	07-11-2012	A.P.	W.M.

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Surveyor	DENNIS SMITH
Date	MAY 2012
Date of Survey	
Drawn	A PROUDLOVE
Height Datum	AHD
Designed	M.I.E.Aust. C.P.Eng
Origin	
Checked	
Horiz. Datum	
Approved	

Drawing Title

PROPOSED INDUSTRIAL DEVELOPMENT
LOT 10 DP 878167
WYLLIE ROAD, KEMBLA GRANGE
SITE PLAN

Scale 1:500 @ A1, 1:1000@ A3

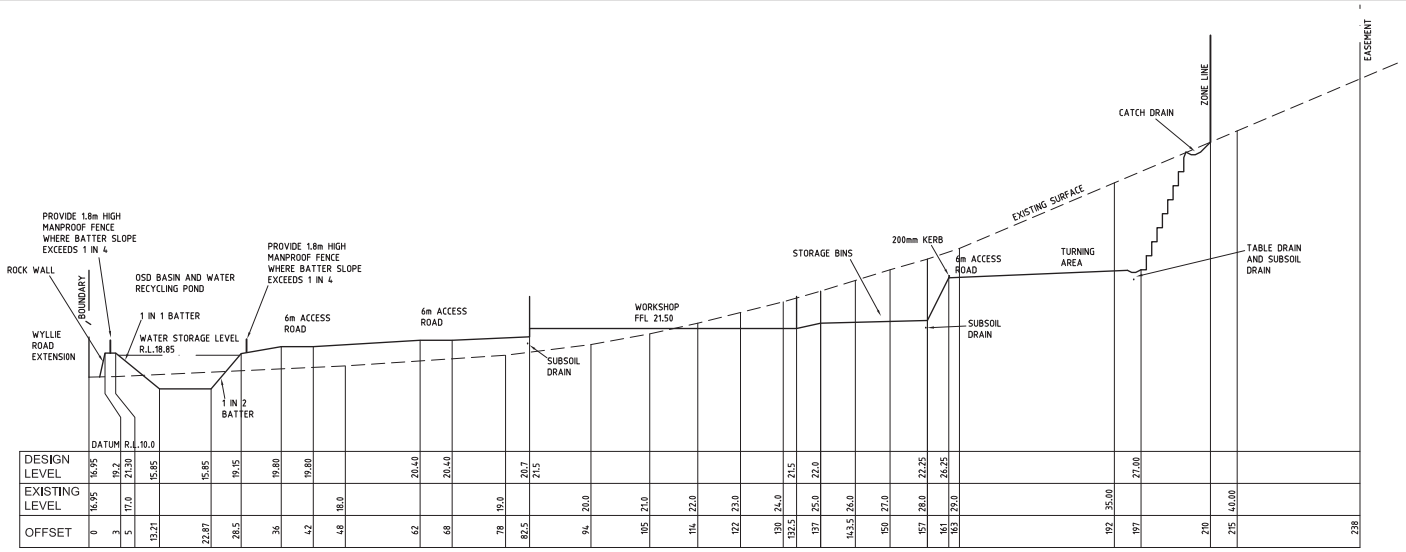
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Project No.	KF110816
Drawing No.	C10
Sheet	1 Of 17
Revision	K

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PLOTTED BY: : approudlove

DO NOT SCALE

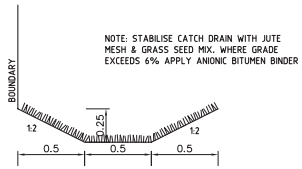


SECTION A-A / C10

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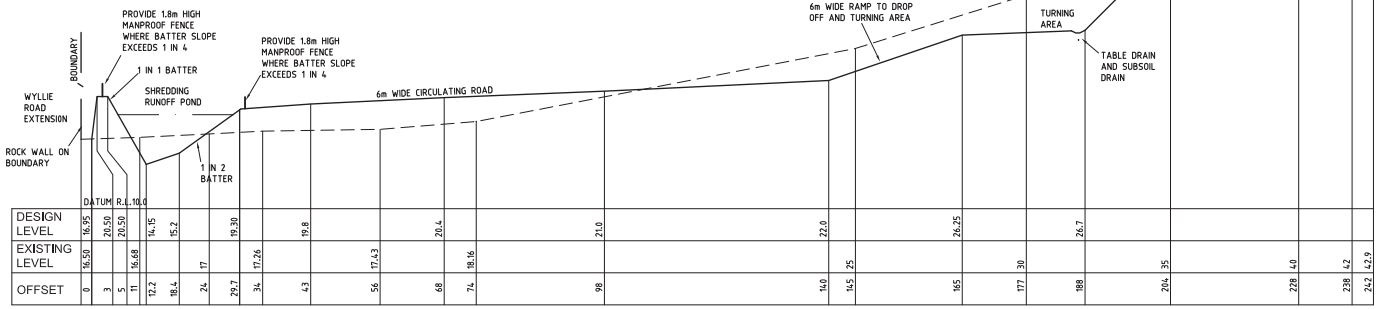
NOTES

1. CONSTRUCT STACKED ROCK WALL WHERE BATTER SLOPE IS STEEPER THAN 1V:2h. TOP OF RETAINING WALL TO BE WHOLLY WITHIN THE ZONE BOUNDARY.
2. RETAINING WALL TO BE GENERALLY HAVE A 1m RISE AND 1m STEP.
3. CONSTRUCT CATCH DRAIN AT TOP OF RETAINING WALL.
4. CATCH DRAIN TO INTERCEPT Q_{100} AND DIVERT TO EXISTING WATER COURSE. REFER SHEET C12 FOR CATCH DRAIN DETAIL



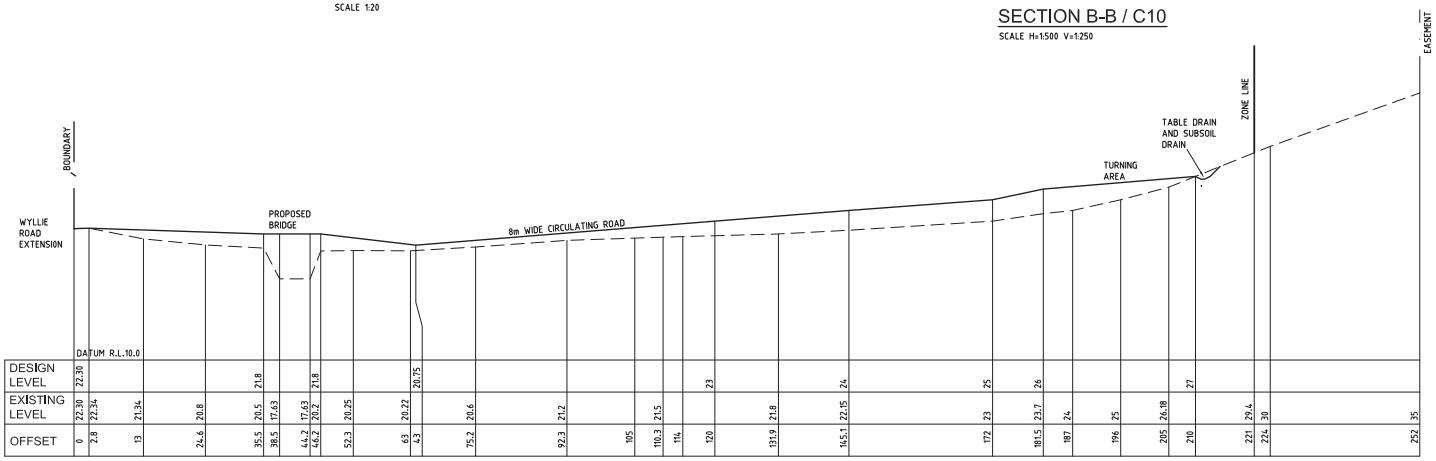
SECTION F-F/C10 - CATCH DRAIN

SCALE 1:20



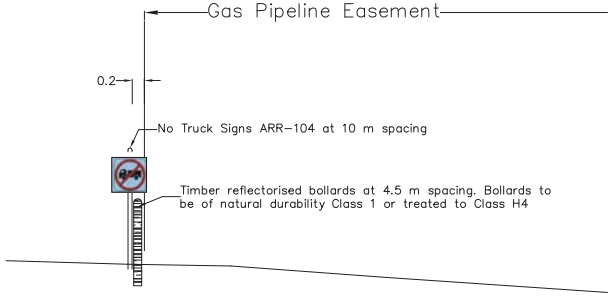
SECTION B-B / C10

SCALE H=1:500 V=1:250



SECTION C-C / C10 ACCESS ROAD

SCALE H=1:500 V=1:250



TYPICAL DETAIL - BOLLARD

NTS

Revision	Amendment or reason for issue	Issue date	Drawn by	Authorised
E	FENCE CHANGED TO MANPROOF FENCE AS PER COUNCIL REQUEST	10-06-2014	A.P.	W.M.
D	EXTRA NOTE RE FENCES	20-03-2014	A.P.	W.M.
C	AMENDED AS PER LANDSCAPE ARCHITECTS COMMENTS 05.08.2013	8.08.13	B.P	
B	AMENDED AS PER COMMENTS	25.07.2013	B.P	
A	SECTIONS B AND C ADDED	08-11-2012	A.P.	W.M.

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Surveyor	DENNIS SMITH
Date of Survey	
Height Datum	AHD
Origin	
Horiz. Datum	
Date	MAY 2012
Drawn	A.PROUDLOVE
Designed	M.I.E.Aust. C.P.Eng
Checked	
Approved	

Drawing Title: PROPOSED INDUSTRIAL DEVELOPMENT
LOT 10 DP 878167
WYLLIE ROAD, KEMBLA GRANGE
SITE SECTIONS

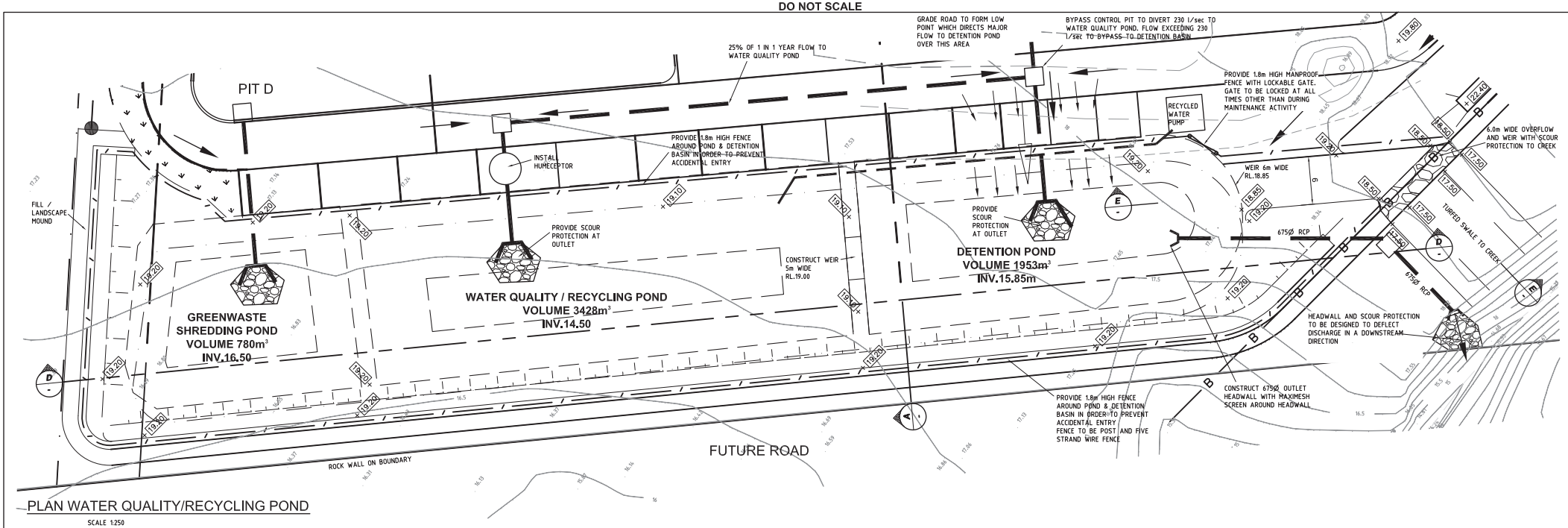
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Drawing No.	C11
Sheet	2 Of 17
Revision	E

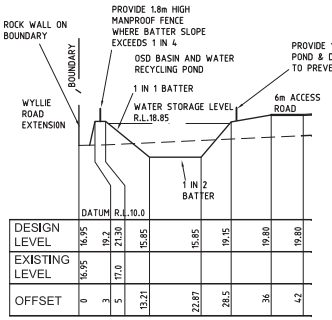
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PLOTTED BY: : aproudlove

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PLAN WATER QUALITY/RECYCLING POND

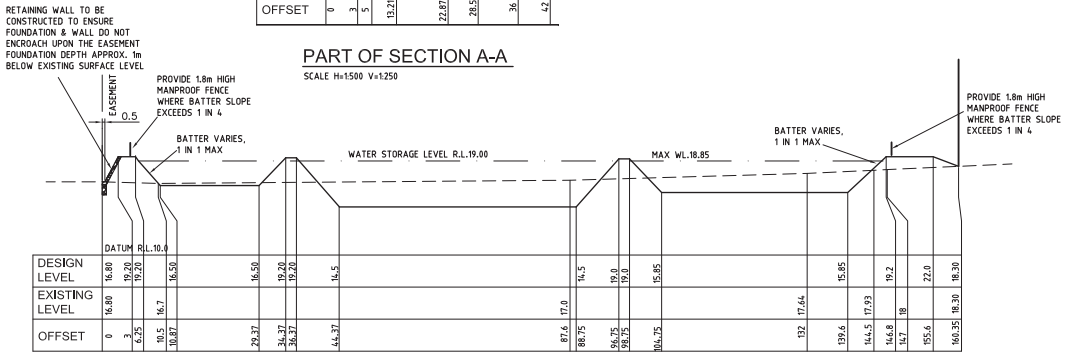
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DESIGN LEVEL	16.95	19.2	21.30	15.85	15.85	19.15	19.80	19.80
EXISTING LEVEL	16.95		17.0					
OFFSET	0	3	5	13.21	22.87	28.5	36	42

PART OF SECTION A-A

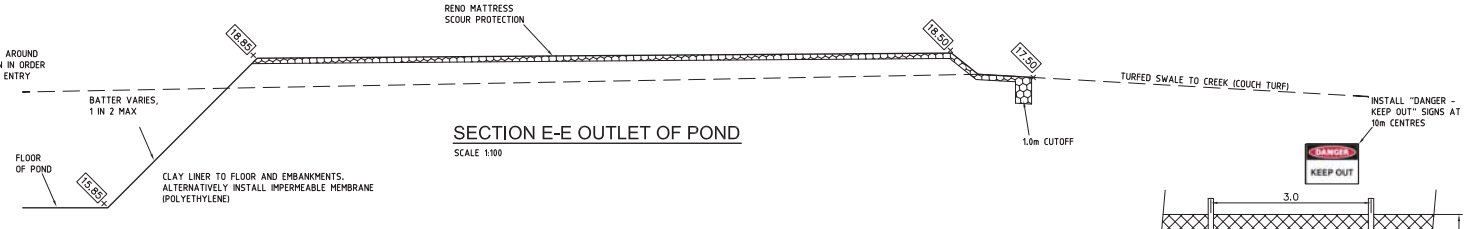
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DESIGN LEVEL	16.80	19.20	19.20	16.50	16.50	19.20	19.20	14.5	14.5	19.0	19.0	15.85	15.85	19.2	22.0	18.30			
EXISTING LEVEL	16.80			16.7					17.0				17.64	17.93	18	18.30			
OFFSET	0	3	6.25	10.5	10.87	29.37	34.37	36.37	44.37	87.6	88.75	96.75	96.75	104.75	132	139.6	144.5	146.8	147	155.6	160.35

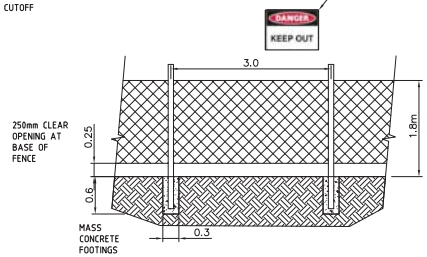
SECTION D-D

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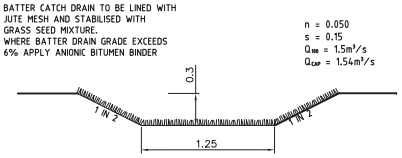
SECTION E-E OUTLET OF POND

SCALE 1:100



TYPICAL FENCE DETAIL

SCALE 1:50



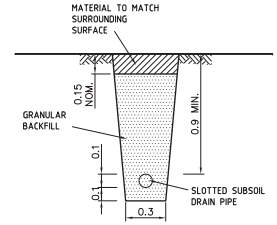
SECTION E-E/C10 CATCH DRAIN

TABLE DRAIN SIMILAR

SCALE 1:25

SCALE REDUCTION

SCALE 1:1000 @ A3 = SCALE 1:500 @ A1
SCALE 1:500 @ A3 = SCALE 1:250 @ A1
SCALE 1:50 @ A3 = SCALE 1:25 @ A1
SCALE 1:40 @ A3 = SCALE 1:20 @ A1



TYPICAL SECTION SUBSOIL DRAIN

SCALE 1:20

SUBSOIL NOTES

1. SUBSOIL DRAIN PIPE TO BE 100mm DIAM SLOTTED POLYETHYLENE FITTED WITH FILTER SOCK. UNDER HEAVILY TRAFFICKED AREA THE SUBSOIL DRAIN IS TO BE SLOTTED uPVC
2. TRENCH TO BE MINUMUM 300mm WIDE
3. BACKFILL TO BE CLEAN GRANULAR MATERIAL COMPACTED TO DI 80
4. MINIMUM GRADE OF TRENCH/SUBSOIL DRAIN PIPE IS TO BE 0.5%

Revision	Amendment or reason for issue	Issue date	Drawn by	Authorised
F	AMENDED AS PER COUNCIL COMMENTS	10-06-2014	A.P.	W.M.
E	EXTRA NOTES RE FENCES	20-03-2014	A.P.	W.M.
D	AMENDED TO DEPT OF PLANNING COMMENTS	26-02-2014	A.P.	W.M.
C	AMENDED AS PER LANDSCAPE ARCHITECTS COMMENTS 05.08.2013	08.08.2013	B.P	
B	AMENDED AS PER COMMENTS	25.07.2013	B.P	
A	NOTE ADDED	08-04-2013	B.P	

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Surveyor	DENNIS SMITH	Date	NOV 2012
Date of Survey		Drawn	A PROUDLOVE
Height Datum	AHD	Designed	M.I.E.Aust. C.P.Eng
Origin		Checked	
Horiz. Datum		Approved	

Drawing Title: PROPOSED INDUSTRIAL DEVELOPMENT
LOT 10 DP 878167
WYLLIE ROAD, KEMBLA GRANGE
POND DETAILS

Scale 1:250 @ A1, 1:500 @ A3 | Drawing Status: ISSUED FOR DA APPROVAL

Project No. KF110816
Drawing No. C12
Sheet 3 Of 17 | Revision F

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PLOTTED BY: : aproudlove