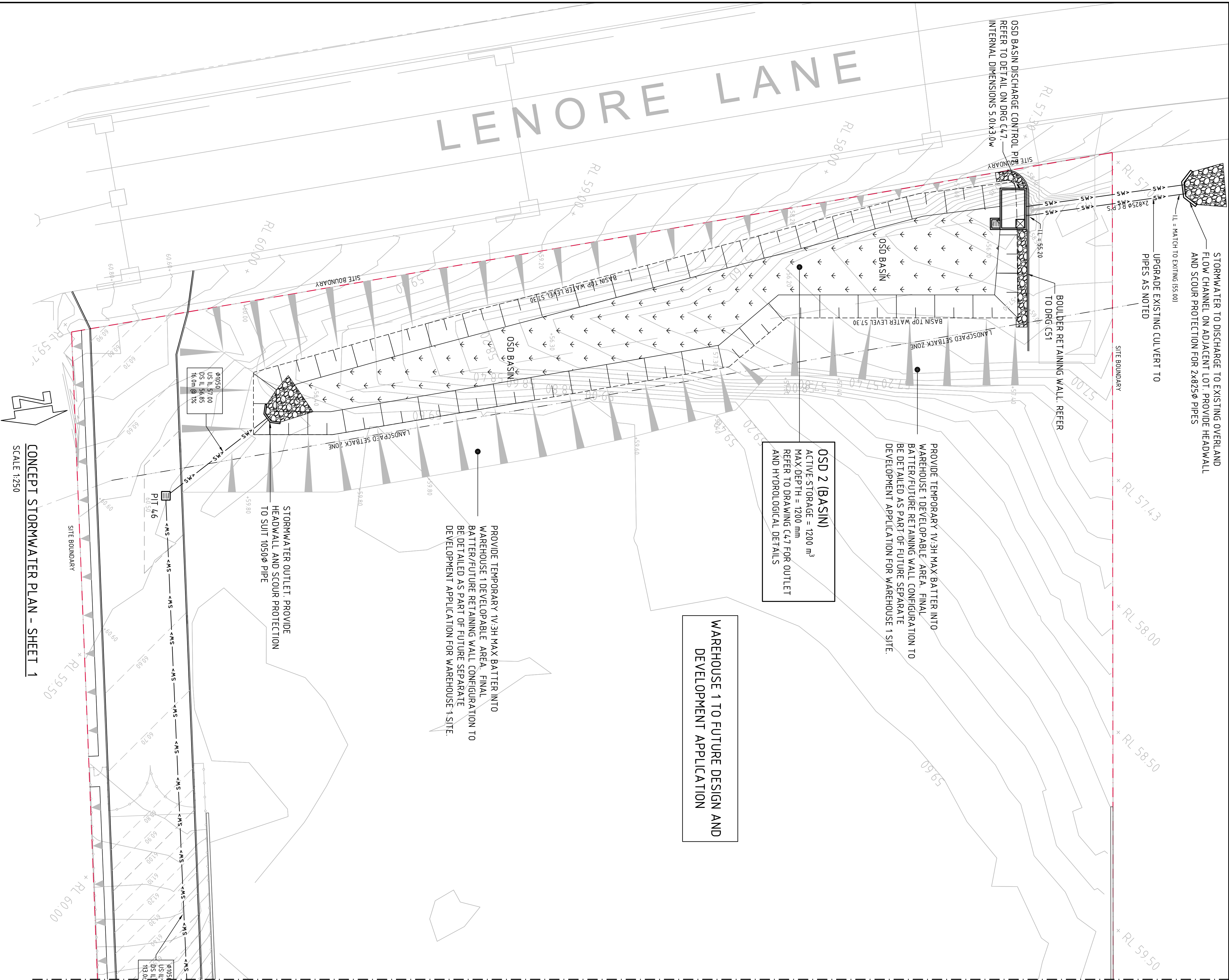




BREAKLINE - FOR CONTINUATION REFER TO DRAWING Co11888.00-C42

STORMWATER DRAINAGE NOTES:

1. ALL FINISHED PAVEMENT LEVELS SHALL BE AS INDICATED ON FINISHED LEVELS PLAN.
2. PIT SIZES SHALL BE AS INDICATED IN THE SCHEDULE WHILE PIPE SIZES AND DETAILS ARE PROVIDED ON PLAN.
3. EXISTING STORMWATER PIT LOCATIONS AND INVERT LEVELS TO BE CONFIRMED BY SURVEY PRIOR TO COMMENCING WORKS ON SITE.
4. ALL STORMWATER PIPES Ø375 OR GREATER SHALL BE CLASS 2 REINFORCED CONCRETE WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.
5. ALL PIPES UP TO AND INCLUDING 300ø TO BE uPVC GRADE SN8.
6. ALL CONCRETE PITS GREATER THAN 1000mm DEEP SHALL BE REINFORCED USING N12-200 EACH WAY CENTRED IN WALL AND BASE. LAP MINIMUM 300mm WHERE REQUIRED. ALL CONCRETE FOR PITS SHALL BE Fc 25 MPa. PRECAST PITS MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
7. IN ADDITION TO ITEM 6 ABOVE, ALL CONCRETE PITS GREATER THAN 3000mm DEEP SHALL HAVE WALLS AND BASE THICKNESS INCREASED TO 200mm.
8. PIPES SHALL BE LAID AS PER PIPE LAYING DETAILS. PARTICULAR CARE SHALL BE TAKEN TO ENSURE THAT THE PIPE IS FULLY AND EVENLY SUPPORTED. RAM AND PACK FILLING AROUND AND UNDER BACK OF PIPES AND PIPE FAUCETS, WITH NARROW EDGED RAMMERS OR OTHER SUITABLE TAMPING DETAILS.
9. WHERE PIPE LINES ENTER PITS, PROVIDE 2m LENGTH OF STOCKING WRAPPED SLOTTED Ø100 uPVC TO EACH SIDE OF PIPE.
10. ALL SUBSOIL DRAINAGE LINES SHALL BE Ø100 SLOTTED uPVC WITH APPROVED FILTER WRAP LAID IN 300mm WIDE GRANULAR FILTER UNLESS NOTED OTHERWISE. LAY SUBSOIL LINES TO MATCH FALLS OF LAND AND/OR 1 IN 200 MINIMUM. PROVIDE CAPPED CLEANING EYE (RODDING POINT) AT UPSTREAM END OF LINE AND AT 20m MAX. CTS. PROVIDE SUBSOIL LINES TO ALL PAVEMENT/ LANDSCAPED INTERFACES, TO REAR OF RETAINING WALLS AS NOMINATED BY STRUCTURAL ENGINEER AND AS SHOWN ON PLAN.
11. ALL PIPE GRADES 1 IN 100 MINIMUM UNO.
12. PROVIDE STEP IRONS IN PITS DEEPER THAN 1000mm.
13. MIN. 600 COVER TO PIPE OVERBENT BENEATH ROADS & MIN. 400 COVER BENEATH LANDSCAPED AND PEDESTRIAN AREAS.
14. PIT COVERS IN TRAFFICABLE PAVEMENT SHALL BE CLASS D 'HEAVY DUTY', THOSE LOCATED IN NON-TRAFFICABLE AREAS SHALL BE CLASS B 'MEDIUM DUTY' UNO.
15. PROVIDE CLEANING EYES (RODDING POINTS) TO PIPES AT ALL CORNERS AND T-JUNCTIONS WHERE NO PITS ARE PRESENT.
16. DOWN PIPES TO BE AS PER HYDRAULIC ENGINEERS DETAILS WITH CONNECTOR TO MATCH DP SIZE UNO. ON PLAN, PROVIDE CLEANING EYE AT GROUND LEVEL.
17. PIPE LENGTHS NOMINATED ON PLAN OR LONGSECTIONS ARE MEASURED FROM CENTER OF PITS TO THE NEAREST 0.5m AND DO NOT REPRESENT ACTUAL LENGTH. THE CONTRACTOR IS TO ALLOW FOR THIS.

PIT SCHEDULE

PIT No.	GRATE RL	DEPTH	TYPE	SIZE	COMMENT
PIT 1	63.80	1000	S.G.P	900x900	
PIT 2	63.80	1200	S.G.P	900x900	
PIT 3	63.80	1420	S.G.P	900x900	
PIT 4	63.80	1630	S.G.P	900x900	
PIT 5	63.80	1840	S.G.P	900x900	
PIT 6	63.80	2050	S.G.P	1200x1200	
PIT 7	63.80	2260	S.G.P	1200x1200	
PIT 8	63.80	2470	S.G.P	1200x1200	
PIT 9	63.80	2680	S.G.P	1200x1200	
PIT 10	63.60	2680	S.G.P	1200x1200	
PIT 11	63.60	2930	S.G.P	1200x1200	
PIT 12	63.60	3180	S.G.P	1200x1200	
PIT 13	63.60	3430	S.G.P	1200x1200	
PIT 14	63.60	3680	S.G.P	1200x1200	
PIT 15	63.60	1000	S.G.P	900x900	
PIT 16	63.60	1000	S.G.P	900x900	
PIT 17	63.70	1200	S.G.P	900x900	
PIT 18	63.60	1000	S.G.P	900x900	
PIT 19	63.60	1000	S.G.P	900x900	
PIT 20	63.70	1200	S.G.P	900x900	
PIT 21	63.60	1000	S.G.P	900x900	
PIT 22	63.60	2300	S.G.P	900x900	
PIT 23	63.65	1700	S.G.P	900x900	
PIT 24	63.50	1000	S.G.P	900x900	
PIT 25	63.50	1600	S.G.P	900x900	
PIT 26	63.50	1850	S.G.P	900x900	
PIT 27	63.50	2100	S.G.P	900x900	
PIT 28	63.50	2350	S.G.P	900x900	
PIT 29	63.50	2500	S.G.P	900x900	
PIT 30	63.80	3010	S.J.P	900x900	
PIT 31	63.60	3060	S.G.P	900x900	
PIT 32	63.40	3110	S.G.P	900x900	
PIT 33	63.40	3360	S.G.P	1200x1200	
PIT 34	63.40	3610	S.G.P	1200x1200	
PIT 35	63.71	4130	S.G.P	1500x1500	
PIT 36	63.50	4170	S.G.P	1500x1500	
PIT 37	63.50	4320	S.G.P	1500x1500	
PIT 38	63.50	4580	S.G.P	1500x1500	
PIT 39	62.75	600	S.G.P	600x600	
PIT 40	62.70	600	S.G.P	600x600	
PIT 41	62.77	1100	S.J.P	900x900	
PIT 42	63.97	2920	S.J.P	900x900	
PIT 43	63.97	3470	S.J.P	900x900	
PIT 44	63.97	3820	S.J.P	900x900	
PIT 45	63.61	5410	S.J.P	1500x1500	
PIT 46	60.50	3500	S.J.P	1500x1500	
PIT 47	63.97	1020	S.J.P	900x900	
PIT 48	63.97	1340	S.J.P	900x900	
PIT 49	63.97	1730	S.J.P	900x900	
PIT 50	63.97	2120	S.J.P	900x900	
PIT 51	63.75	2150	S.J.P	900x900	
PIT 52	63.60	1700	S.G.P	900x900	PIT INVERT TO JOIN WITH ROOF OF OSD TANK

⊗ - DENOTES PIT TO BE FITTED WITH STORMWATER 360 ENVIRO-PD UNIT

LEGEND:

LEVELS DATUM IS AHD.

EXISTING SITE LEVELS AND DETAILS BASED ON SURVEY INFORMATION PROVIDED BY LOVEGROVE OXLEY CONSULTANTS DATED 31/05/07.

- SGGP - SINGLE GRATED GULLY PIT
- SJP - SEALED JUNCTION PIT
- GD - GRATED DRAIN (200 WIDE)
- SW - DRAINAGE LINE
- SS - SUBSOIL LINE
- RW - ROOF-WATER LINE
- FINISHED PAVEMENT SPOT HEIGHT
- FINISHED PAVEMENT CONTOUR (MALOR)
- FINISHED PAVEMENT CONTOUR (MINOR)
- FINISHED PAVEMENT CONTOUR (MINOR)



FOR S7SW APPLICATION

FOR S7SW APPLICATION	ARCHITECT	CLIENT	PROJECT	CONSULTING ENGINEERS	DRAWING TITLE
FOR S7SW APPLICATION	AXIS ARCHITECTURE	LOGOS PROPERTY GROUP	PROPOSED WAREHOUSE	Costin Roe Consulting Pty Ltd.	CONCEPT STORMWATER PLAN
FOR S7SW APPLICATION	4 / 112 GRONULLA	SUITE 1202 / 161 MACQUARIE STREET	SUPER RETAIL GROUP	Level 1, 8 Windmill Street	SHEET 1
FOR INFORMATION ONLY	GRONULLA, NSW 2230	SYDNEY, NSW 2000	133-145 LENORE LANE, ERSKINE PARK, NSW	Mobile: 08 9391 2200	
AMENDMENTS	DATE	ISSUE	DESIGNED BY	CHECKED BY	DATE
	9/11/12	C	H.W.	H.W.	26/10/12
	7/11/12	B			
	30/10/12	A			