DOCUMENTATION OF STORMWATER CONCEPT DESIGN

NEW DEVELOPMENT

12-14 ROCK BATH ROAD PALM BEACH NSW

JAMES TAYLOR AND ASSOCIATES

SUITE 301, 115 MILITARY ROAD NEUTRAL BAY NSW 2089 A.C.N. 002 376 454 Tel: (02) 9969 1999 Email: mail@jamestaylorassociates.com.au

| | STORMWATER DRAWING LIST | | | | | |
|--------|---|--|--|--|--|--|
| Sheet | | | | | | |
| Number | Sheet Name | | | | | |
| SW1 | STORMWATER CONCEPT DESIGN COVER SHEET | | | | | |
| SW2 | EXISTING SERVICES PLAN | | | | | |
| SW3 | STORMWATER DRAINAGE PLAN - GROUND FLOOR | | | | | |
| SW4 | STORMWATER DRAINAGE PLAN - LEVEL 1 | | | | | |
| SW5 | STORMWATER DRAINAGE PLAN - LEVEL 2 | | | | | |
| SW6 | STORMWATER DRAINAGE PLAN - LEVEL 3 | | | | | |
| SW7 | STORMWATER DRAINAGE PLAN - ROOF | | | | | |

STORMWATER NOTES

- SW1 STORMWATER DRAINS TO BE RUN TO SUIT THE LOCAL SEWERAGE AND DRAINS TO BE NOW TO SUIT THE LOCAL SEWERAGE AND DRAINAGE BOARD, FROM THE STORMWATER DRAINS WITH PIPES AND FITTINGS SET NOT LESS THAN MINIMUM FALLS RECOMMENDED BY THE GOVERNING AUTHORITY, WITH MATERIALS AND LEVELS SHOWN ON THE DRAWINGS AND IN THE SPECIFICATION.
 SW2. ALL PIPES SHALL BE UPVC 100mm DIAMETER U.N.O. IN
- ACCORDANCE WITH AS3500.3 NATIONAL PLUMBING AND DRAINAGE CODE, PART 3: STORMWATER
- SW3. ALL PIPES TO BE UPVC OR CONCRETE AS NOTED AND IN ACCORDANCE WITH ASS500.3 NATIONAL PLUMBING AND DRAINAGE CODE, PART 3: STORMWATER DRAINAGE.
 SW4. ALL UPVC PIPES TO BE INSTALLED IN ACCORDANCE
- SW5. ALL PIPES SHALL BE LAID AT A MINIMUM GRADE OF 1
- ARROWS INDICATE THE DIRECTION OF GRADE.
 ALL FOOTPATH AND DRIVEWAY CROSSINGS SHALL BE
- TO LOCAL COUNCIL REQUIREMENTS.
 ALL LEVELS ARE APPROXIMATE ONLY AND SHALL
 NEED TO BE CONFIRMED PRIOR TO CONSTRUCTION.
- NEED TO BE CONFIRMED PHIGH TO CONSTRUCTION.

 SW9. ALL EXISTING LEVELS ARE SHOWN AS A SPOT LEVEL
 OR A CONTOUR WITHOUT ANY PREFIX OR
 DESCRIPTION.
 LEVEL DESCRIPTIONS ARE AS FOLLOWS;

 - LEVEL DESCRIPTIONS ARE AS FOLLOWS; FL FLOOR LEVEL SL SURFACE LEVEL IL INVERT LEVEL ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD) U.N.O.
- SW10. MINULAN COVER TO UPVC STORMWATER PIPES SHALL BE FITAFFICABLE AREAS. 400 mm LANDSCAFE AREAS. 430 mm LANDSCAFE AREAS. 430 mm COVER IS MEASURED VERTICALLY FROM THE TOP OF THE PIPE TO THE FINISHED SURFACE LEVEL. PIPES TO BE PROTECTED BY CONCRETE PIPES TO BE PROTECTED BY CONCRETE COVER CANNOT BE ACHIEVED.

 WILL CONCRETE ACHIEVED.

 SW11. CONNECTE THE WITH PIVC GLUE AND SEAL WITH A 31 SAND CEMENT MORTAL SOCIATED LEWENTS

 SW12. ALL CONCRETE PIPES AND ASSOCIATED LEWENTS

 SW12. ALL CONCRETE PIPES AND ASSOCIATED LEWENTS

 SW13. ALL CONCRETE PIPES AND ASSOCIATED LEWENTS

 SW14. CONCRETE AND ASSOCIATED LEWENTS

 STERENSTH CLASSIFICATION IN ACCORDANCE WITH A 5100B PRECAST CONCRETE PIPES (PRESSURE AND NON-PRESSURE). SW10. MINIMUM COVER TO UPVC STORMWATER PIPES

- SHEMS THE CASS PICATION IN COUNTED FUTER (PICES) WITH A MON-PRESSURE, MO MON-PRESSURE, MO MON-PRESSURE, MO MON-PRESSURE, MO MON-PRESSURE, MO MON-PRESSURE, MO ASSOCIATE DELEMENTS SHALL BE INSTALLED IN ACCOPRANCE WITH ASST25, LOADS ON BUINED CONCEPTE PHEIS AND ASSOCIATION AND AND ADMINISTRATION OF MONTH ASST25, LOADS ON BUINED CONCEPTE PHEIS AND ASSOCIATION AND ADMINISTRATION AND ADMINISTRATI

REFERENCE DOCUMENTS

SURVEY DRAWING PREPARED BY TSS TOTAL SURVEYING SOLUTIONS JOB No. 220083 DATE: 02/03/2022

GENERAL COMPACTION NOTES

- FOUNDATION MATERIAL DEEMED BY THE FOUNDATION MATERIAL DEEMED BY THE SUPERINTENDENT AS UNSUITABLE TO BE REMOVED AS DIRECTED BY THE SUPERINTENDENT AND REPLACED WITH APPROVED MATERIAL SATISFYING THE REQUIREMENTS LISTED BELOW.
- THE REQUIREMENTS LISTED BELOW.
 UNLESS OTHERWISE APPROVED OR SPECIFIED. ALL
 FILL MATERIAL SHALL BE FROM A SOURCE
 APPROVED BY THE SUPERINTENDENT AND SHALL
 COMPLY WITH THE FOLLOWING:
 A) FREE FROM ORGANIC AND PERISHABLE MATTER
- A) FREE FROM ORGANIC AND PERISHABLE MATTER B) MAXIMUM PARTICLE SIZE FROM () PLASTICITY INDEX BETWEEN 2% AND 20% D) CBR > 10 D. CBR > 10 D.

- OR. 2-96) TO ACHEVE A DRY DENSITY DETERMINED IN ACCORDANCE WITH AS ISSESS 1 OF NOT LESS IN ACCORDANCE WITH AS ISSESS 1 OF NOT LESS IN ACCORDANCE WITH AS ISSESS 1.

 DENSITY IN ACCORDANCE WITH AS ISSESS 1.

 LOCATION STANDARD DRY DENSITY 1.

 AREAS OF SERVICE TRENCHES 98%.

 AREAS OF SERVICE TRENCHES 98%.

 CONGRETE FOUNDATIONS 100%.

 CONGRETE FOUNDATIONS 100%.

 CONGRETE FOUNDATIONS 100%.

 PAVEMENTS 1248S 100%.

 MINIMUM SUBGRADE THICKNESS WHERE NOT ON MINIMUM SUBGRADE THICKNESS WHERE NOT ON THE CONTRACTOR SHALL PROGRAMME THE EARTHWORKS OPERATION SO THAT THE WORKING AREAS AREA GROUNT SHALL BE CARGED AND SEALED OFF TO REMOVE LESS AND SEALED OFF TO REMOVE LESS AND SEALED OFF TO PREMOVE THE CONTRACTOR MOST CONTRACTOR MOST

SERVICES NOTES:

- 1. THE LOCATION OF ALL EXISTING SERVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND HAVE BEEN TAKEN FROM SURVEY (REFERENCE DOCUMENT 1)
- EXISTING PITS GRL. SL & RL ARE TAKEN FROM SURVEY
- (REFERENCE DOCUMENT 1).
 IT IS THE CONSTRUCTORS RESPONSIBILITY TO NOTIFY THE RELEVANT SERVICES AUTHORITIES OF THE WORKS AND VERIFY THE LOCATIONS OF ALL EXISTING SERVICES PRIOR TO ANY CONSTRUCTION ACTIVITIES COMMENCING.
- THE CONSTRUCTOR SHALL LIAISE AND COORDINATE THE TIMING OF THE CONSTRUCTION OF THE WORKS WITH THE BELEVANT SERVICES AUTHORITIES AND/OR OTHER CONSTRUCTORS INSTALLING SERVICES CONCURRENTLY AT THIS SITE.
- AT THIS SITE.
 THE CONSTRUCTOR SHALL BE RESPONSIBLE FOR ALL
 DAMAGE CAUSED TO EXISTING SERVICES AS A RESULT
 OF THE CONSTRUCTION WORKS.
 PRIOR TO COMMENCEMENT CONTRACTOR SHALL
- ACCURATELY LOCATE EXISTING SERVICES TO IDENTIFY
 THEIR POSITION, DEPTH AND CONDITION. POTENTIAL
 CLASHES SHALL BE IDENTIFIED AND SERVICES RELOCATED OR CAPPED OFF AS REQUIRED



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James Taylor & Associates Civil & Structural Consulting Engineers SUITE 301, 115 MILITARY ROAD NEUTRAL BAY NSW 2089

A.B.N. 33 102 603 558 TEL: 02 99691999 EMAIL: mail@jamesti

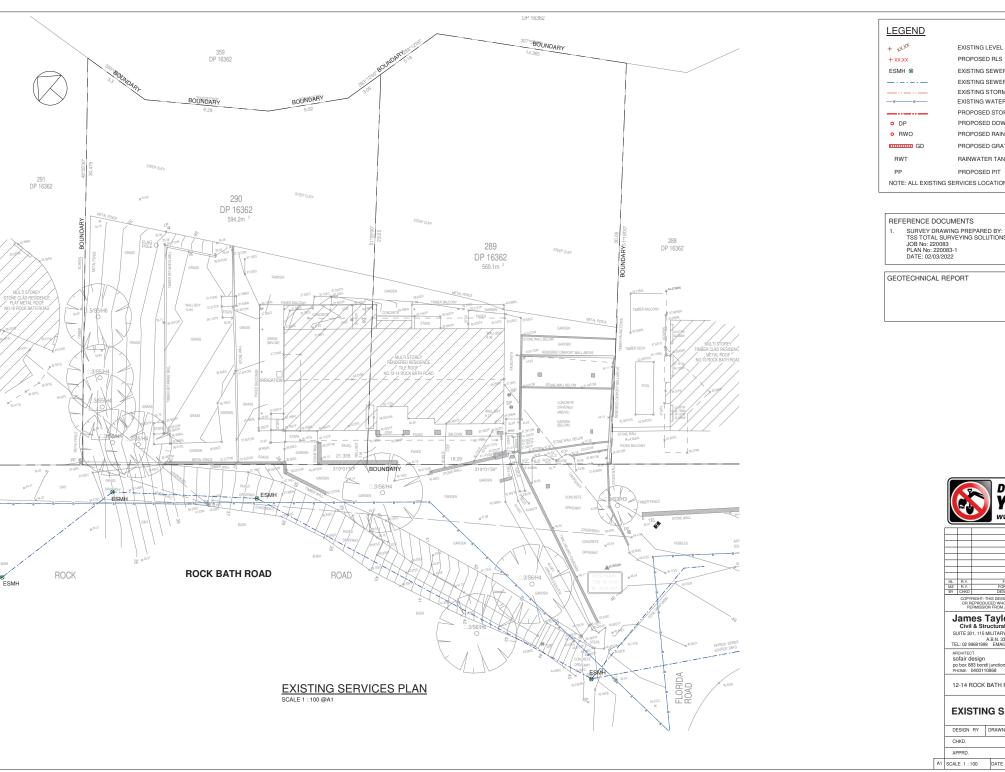
sofair design

po box 883 bondi junction, nsw, 1355 PHONE: 0400110868 EAMIL: jeff@sofairdesign.com.au

12-14 ROCK BATH ROAD PALM BEACH NSW

STORMWATER CONCEPT DESIGN COVER SHEET

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|--|----|--------------------|-------|----|-------------|-----|--|
| | | DESIGN RY | DRAWN | HL | PROJEC | | |
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EXISTING LEVEL FROM SURVEY

PROPOSED RLS

EXISTING SEWER MANHOLE

EXISTING SEWER PIPE

EXISTING STORMWATER PIPE

EXISTING WATER MAIN PIPE PROPOSED STORMWATER PIPE

PROPOSED DOWNPIPE PROPOSED RAINWATER OUTLET

PROPOSED GRATED DRAIN RAINWATER TANK

PROPOSED PIT

NOTE: ALL EXISTING SERVICES LOCATIONS ARE APPROXIMATE

TSS TOTAL SURVEYING SOLUTIONS JOB No: 220083 PLAN No: 220083-1 DATE: 02/03/2022



| L | R.Y. | FOR DA | 16.02.2023 | В | | | |
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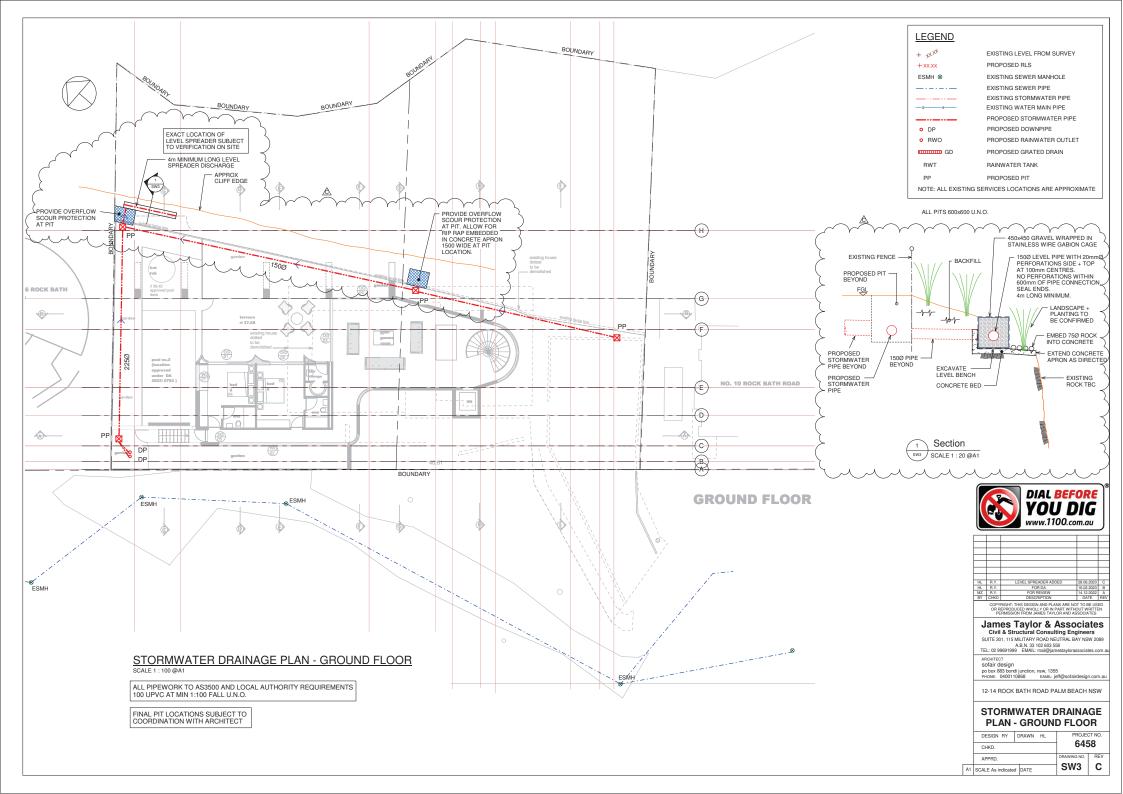
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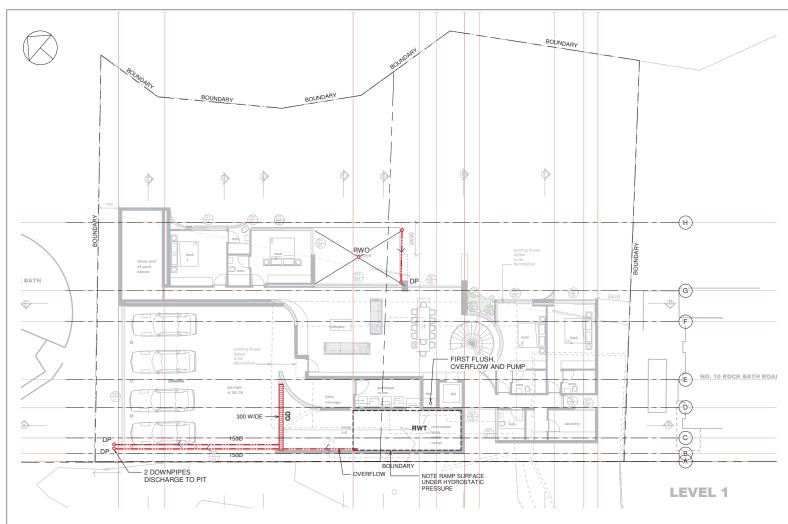
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EXISTING SERVICES PLAN

| | DESIGN RY | DRAWN HL | PROJE | |
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STORMWATER DRAINAGE PLAN - LEVEL 1

SCALE 1:100@A1

ALL PIPEWORK TO AS3500 AND LOCAL AUTHORITY REQUIREMENTS 100 UPVC AT MIN 1:100 FALL U.N.O.

SERVICE LOCATIONS SUBJECT TO COORDINATION.

LEGEND + xxxx

GD

+xx.xx

EXISTING LEVEL FROM SURVEY

PROPOSED RLS

EXISTING SEWER MANHOLE EXISTING SEWER PIPE

EXISTING STORMWATER PIPE EXISTING WATER MAIN PIPE PROPOSED STORMWATER PIPE

o DP PROPOSED DOWNPIPE RWO PROPOSED RAINWATER OUTLET

PROPOSED GRATED DRAIN RWT RAINWATER TANK

PROPOSED PIT NOTE: ALL EXISTING SERVICES LOCATIONS ARE APPROXIMATE

RWT - 22000L REFER BASIX CERTIFICATE CONNECT TO OUTLETS AS NOMINATED IN BASIX REFER CERTIFICATE DISPLAY NON POTABLE SIGNAGE AT ALL RWT SUPPLIED OUTLETS



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James Taylor & Associates Civil & Structural Consulting Engineers SUITE 301, 115 MILITARY ROAD NEUTRAL BAY NSW 2089

A.B.N. 33 102 603 558 TEL: 02 99691999 EMAIL: mail@jamesta

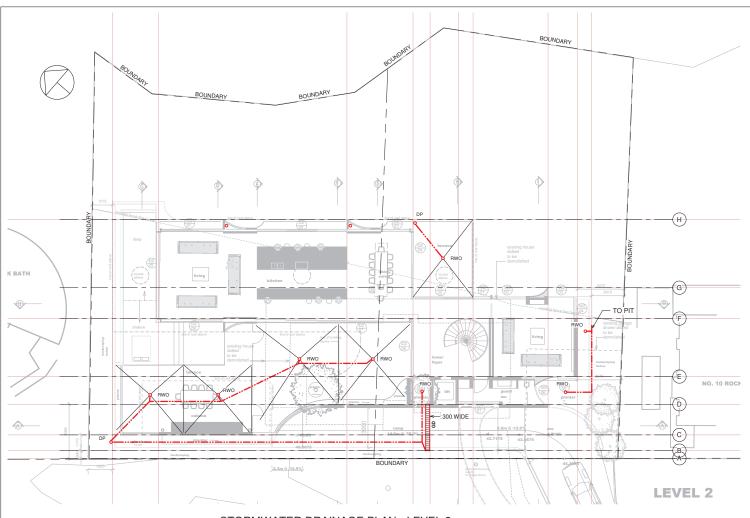
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STORMWATER DRAINAGE PLAN - LEVEL 1

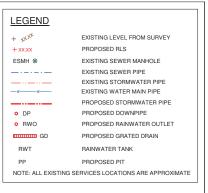
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STORMWATER DRAINAGE PLAN - LEVEL 2

ALL PIPEWORK TO AS3500 AND LOCAL AUTHORITY REQUIREMENTS 100 UPVC AT MIN 1:100 FALL U.N.O.

SERVICE LOCATIONS SUBJECT TO COORDINATION.





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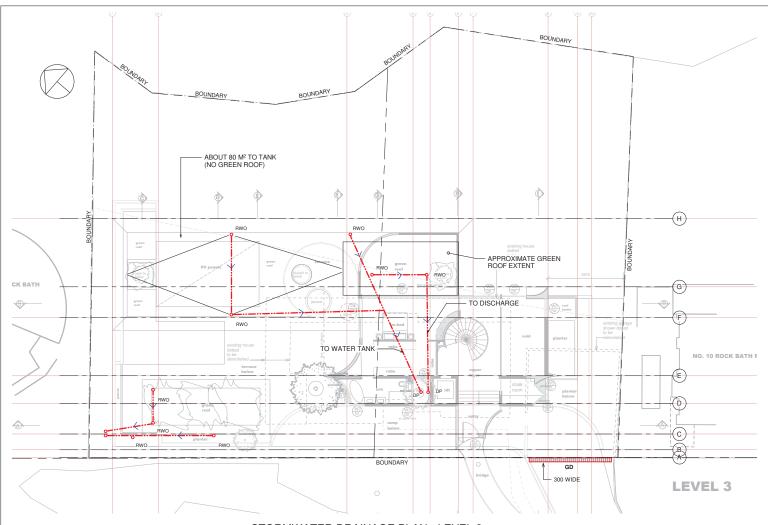
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STORMWATER DRAINAGE PLAN - LEVEL 2

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STORMWATER DRAINAGE PLAN - LEVEL 3

SCALE 1 : 100 @A1

ALL PIPEWORK TO AS3500 AND LOCAL AUTHORITY REQUIREMENTS 100 UPVC AT MIN 1:100 FALL U.N.O.

SERVICE LOCATIONS SUBJECT TO COORDINATION.

LEGEND + xxxx EXISTING LEVEL FROM SURVEY PROPOSED RLS +xx.xx EXISTING SEWER MANHOLE EXISTING SEWER PIPE EXISTING STORMWATER PIPE EXISTING WATER MAIN PIPE

o DP PROPOSED DOWNPIPE RWO PROPOSED RAINWATER OUTLET PROPOSED GRATED DRAIN

PROPOSED STORMWATER PIPE

RWT RAINWATER TANK PROPOSED PIT

GD

NOTE: ALL EXISTING SERVICES LOCATIONS ARE APPROXIMATE

MINIMUM ROOF CATCHMENT AREA DRAINING TO RWT REQUIRED BY BASIX



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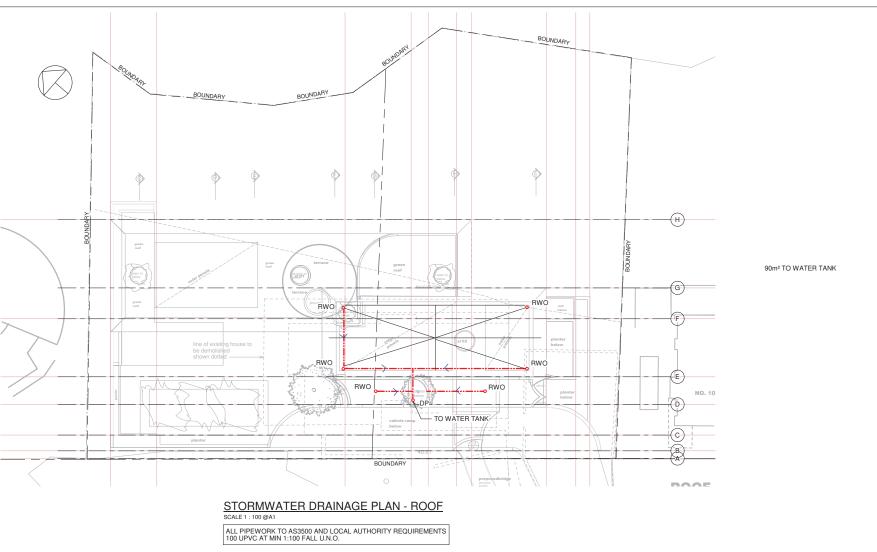
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STORMWATER DRAINAGE PLAN - LEVEL 3

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SERVICE LOCATIONS SUBJECT TO COORDINATION.

LEGEND + xxxx EXISTING LEVEL FROM SURVEY PROPOSED RLS +xx.xx EXISTING SEWER MANHOLE EXISTING SEWER PIPE EXISTING STORMWATER PIPE EXISTING WATER MAIN PIPE PROPOSED STORMWATER PIPE o DP PROPOSED DOWNPIPE RWO PROPOSED RAINWATER OUTLET PROPOSED GRATED DRAIN GD RWT RAINWATER TANK PROPOSED PIT NOTE: ALL EXISTING SERVICES LOCATIONS ARE APPROXIMATE

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James Taylor & Associates Civil & Structural Consulting Engineers SUITE 301, 115 MILITARY ROAD NEUTRAL BAY NSW 2089

A.B.N. 33 102 603 558 TEL: 02 99691999 EMAIL: mail@jamestaylorass

ARCHITECT sofair design

po box 883 bondi junction, nsw, 1355 PHONE: 0400110868 EAMIL: jeff@sofairdesign.com.au

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STORMWATER DRAINAGE

| | | PLAN - ROOF | | | | |
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| | | DESIGN RY | DRAWN | HL | PROJECT NO. | |
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