



PROPOSED DUAL OCCUPANCY AT 6 PERCY STREET, GLADESVILLE NSW CONCEPT STORMWATER DRAINAGE PLAN

| <u>LEGEND</u> | |
|--|---|
| DP ● | DOWNPIPE |
| | STORMWATER LINE |
| ************************************** | STORMWATER LINE DRAINING TO RWT |
| —— OF —— | OVER FLOW PIPE |
| SSD | SUBSOIL LINE |
| SWRM | STORMWATER RISING MAIN |
| е | EXISTING STORMWATER LINE |
| swsw | AUTHORITY STORMWATER LINE |
| HL | HIGH LEVEL STORMWATER LINE |
| s | AUTHORITY SEWER LINE |
| w | AUTHORITY WATER LINE |
| G G | AUTHORITY GAS LINE |
| E | AUTHORITY ELECTRICITY LINE |
| — F0 F0 F0 | AUTHORITY FIBRE OPTIC LINE |
| TEŁ | AUTHORITY COMMS LINE |
| | FENCE LINE |
| | GRATED SURFACE INLET PIT |
| | GRATED SURFACE INLET PIT WITH ENVIROPOD INSERT |
| | JUNCTION PIT |
| | KERB INLET PIT |
| | EXISTING GRATED SURFACE INLET PIT |
| | GRATED TRENCH DRAIN |
| | EXISTING JUNCTION PIT |
| | EXISTING KERB INLET PIT |
| eTEL | EXISTING TELSTRA PIT |
| ⊞ eHYD | EXISTING HYDRANT |
| ⊠ eSV | EXISTING STOP VALVE |
| □ eGAS | EXISTING GAS VALVE |
| O ePP | EXISTING POWER POLE |
| ¤ eBT | EXISTING BOUNDARY TRAP |

| <u>LEGEND</u> | | |
|---------------|------------------------|--|
| FF ● | FIRST FLUSH | |
| eSMH | EXISTING SEWER MANHOLE | |
| OFP - | OVERLAND FLOW PATH | |
| RWO ● | RAINWATER OUTLET | |
| PS • | PIPE STAND | |
| CO ⊗ | CLEAR OUT POINT | |
| DDO ● | DISH DRAIN OUTLET | |
| PD 😝 | PLANTER DRAIN | |
| נ | CAPPING | |
| (1.01) | PIT TAG/NUMBER | |
| RH 🖸 | RAINHEAD | |
| • | DOWNPIPE DROP | |
| M | NON RETURN VALVE | |
| × | WALL PENETRATION | |
| DP • | DOWNPIPE SPREADER | |
| | WARNING LIGHT | |
| 0.00 ♦ | SPOT LEVELS | |
| Δ | BENCHMARK | |



DIAL BEFORE YOU DIG SHOULD BE CONTACTED PRIOR TO ANY EXCAVATION ON SITE TM: TRADE MARK OF THE ASSOCIATION OF DIAL BEFORE YOU DIG SERVICES LTD. USED UNDER LICENSE.

SERVICES SHOWN ON PLAN ARE INDICATIVE, EXACT DEPTH AND LOCATION TO BE CONFIRMED ONSITE. CONTRACTOR TO CARRY OUT DIAL BEFORE YOU DIG APPLICATION AND ENGAGE A REGISTERED SURVEYOR TO PEG OUT ALL EXISTING SERVICES PRIOR TO ANY WORK COMMENCING ONSITE.

| DRAWING REGISTER | | | | |
|------------------|---------------------------------|----------|--|--|
| NUMBER | NAME | REVISION | | |
| SWDP01 | COVER SHEET | 02 | | |
| SWDP02 | EROSION & SEDIMENT CONTROL PLAN | 02 | | |
| SWDP03 | SITE STORMWATER PLAN & DETAILS | 02 | | |
| SWDP04 | DETAILS SHEET | 02 | | |

DRAINAGE NOTES:

ALL PIPES TO BE LAID ON 75mm SAND BED WITH THE BARRELS FULLY 100mm AND 150mm DIAMETER PIPES TO BE LAID ON MINIMUM 1%

MINIMUM DEPTH OF COVER FOR PIPES NOT SUBJECT TO VEHICULAR ALL DRAINAGE PIPES LAID UNDER PAVEMENT SHALL BE REINFORCED

CONCRETE WITH RUBBER RING JOINTS BACKFILL TRENCHES WITH COMPACTED SAND OR APPROVED AGGREGATE

ALL PITS TO HAVE 600x600mm INTERNAL DIMENSIONS (U.N.O.) SILT ARRESTORS TO HAVE 900x900mm INTERNAL DIMENSIONS HEAVY DUTY GRATES AND COVERS ARE TO BE PROVIDED IN

TRAFFICABLE AREAS PIT GRATE TO BE TYPE WELDLOK OR APPROVED EQUIVALENT ALL PITS SHALL BE PROVIDED WITH A LOCKING CLIP ALL PITS SHALL BE MAINTAINED REGULARLY

TOP OF BENCHING SHALL BE TO THE HALF OF THE OUTLET PIPE

MAXIMUM FRONT ENTRY PIPE: -SKEW ENTRY 45" - Ø525

Ø100 SUBSOIL DRAINAGE PIPE 3000mm LONG WRAPPED IN FABRIC

COMPRESSIVE STRENGTH f'e FOR CAST IN SITU CONCRETE TO BE A MINIMUM OF 20MPa AT 28 DAYS PROVIDE CLEANING EYES TO ALL DOWNPIPES NOT DIRECTLY CONNECTED

ISOLATED JOINTS TO BE PROVIDED TO ISOLATE CONCRETE PAVEMENTS

ALL TRENCH GRATES PROVIDED SHALL HAVE A MINIMUM CLEAR WIDTH

STORMWATER DRAINAGE CONNECTIONS TO THE MAIN SYSTEM SHALL BE TO THE REQUIREMENTS AND THE SATISFACTION OF LOCAL COUNCIL

ABBREVIATIONS:

CALIFORNIA BEARING RATIO CHAINAGE DISH DRAIN DISH DRAIN OUTLET DOWELLED EXPANSION JOINT DENSE GRADED BASECOURSE DENSE GRADED SUB-BASE FINISHED FLOOR LEVEL GRATED SURFACE INLET PIT HYDRANT ISOLATING JOINT INVERT LEVEL INTERSECTION POINT

KERB INLET PIT

KERB ONLY KERB & GUTTER KERB RETURN LONGITUDINAL SECTION NATURAL GROUND LEVEL OVERLAND FLOW PATH REINFORCED CONCRETE PIPE ROLL KERB & GUTTER RETAINING WALL RAINWATER TANK SAWN CONTROL JOINT

SEWER MAN HOLE STORMWATER STORMWATER PIT STORMWATER RISING MAIN STORMWATER SUMP STOP VALVE TOP OF WALL TOP WATER LEVEL TANGENT POINT

UNPLASTICISED POLYVINYL WEAKENED PLANE JOINT FIRST FLUSH DEVICE BENCH MARK

STORMWATER PIPE BEDDING/PAVING NOTES:

WHERE TRENCH BASE IS ROCK A MINIMUM OF 75mm BEDDING TO BE PROVIDED UNDER PIPE COLLARS.

STORMWATER PIPE BEDDING DETAIL TO BE IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENTS. BEDDING DETAILS TO BE CONFIRMED

FOOTPATH REINSTATEMENT NOTES:

REMOVE ALL SAND FILL WITHIN THE FOOTPATH AREA TO THE EXISTING

SUPPORT ALL AUTHORITY SERVICES TO STRUCTURAL ENGINEERS

REINSTATE FOOTPATH SUBGRADE.

THE CONTRACTOR SHALL PROVIDE CERTIFICATION OF COMPACTION FROM A NATA REGISTERED TESTING AUTHORITY. MINIMUM THREE TESTS PER LAYER AS FOLLOWS:

SELECT FILL (LESS THAN 300mm BASE COURSE

98% MODIFIED

100% MODIFIED

EROSION & SEDIMENT CONTROL NOTES:

PROVIDE SILT FENCE/HAY BAIL BARRIERS TO THE LOW SIDE OF ALL EXPOSED EARTH EXCAVATIONS (TYPICAL).

ISOLATE EXISTING STORMWATER PITS WITH HAY BALES TO FILTER ALL

DO NOT STOCK PILE EXCAVATED MATERIAL ON THE ROAD WAY.

SURVEY

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY JIM ALVIR SURVEYING, BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. CAPITAL ENGINEERING CONSULTANTS DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAW.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT CAPITAL ENGINEERING CONSULTANTS.

ADOPT DATUM SSM 76871 RL: 31.25 (A.H.D) AS PER JIM ALVIR

IT IS THE BUILDERS RESPONSIBILITY TO MAKE SURE

Revision

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CONSTRUCITON CERTIFICATE (CC)

FOR APPROVAL

COVER SHEET

| 4.10.2019 | Design S.C.H | | Approved P.E. | | | |
|----------------|-------------------|--------|--|----------|--|--|
| :100 @ A1 | Drawn Checked SCH | | PAUL EL-BAYEH B.E.,M.E.(struct/foundation),M.I.E. Aust | | | |
| original size) | Project N | lumber | Drawing Number | Revision | | |

| Rev. | Description | Ву. | Chk. | Арр. | Date |
|------|-----------------|-------|------|------|------------|
| | | | | | |
| 02 | RE-ISSUE FOR CC | J.M. | J.D. | P.E. | 14.10.2019 |
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| В | ISSUE FOR DA | J.D. | SCH | P.E. | 11.12.2018 |
| Α | ISSUE FOR DA | V.A. | G.E. | P.E. | 23.04.2018 |

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6 PERCY STREET, GLADESVILLE

120 140 160 180 200 220 240 260 280 300

