

PROPOSED ADDTIONS & ALTERATIONS AT 19 TOR ROAD, DEE WHY NSW 2099

		RIME NGINEEF ONSULT	RING ANTS
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.S.	22.11.2021	ISSUED FOR C.D.C	А	DUSAN CVIJANOVIC
				SITE ADDRESS
				19 TOR ROAD, DEE WHY NSW 20

DESCRIPTION

CLIENT

ISSUE

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PSW21310		_	SW01	

LEGEND			
DP •	DOWNPIPE		
	STORMWATER LINE		
—— —— SSD——	SUBSOIL DRAINAGE LINE		
—— OF ——	OVERFLOW LINE		
SWRM	STORMWATER RISING MAIN		
e	EXISTING STORMWATER LINE		
SW SW	AUTHORITY STORMWATER LINE		
—— нь—— нь——	HIGH LEVEL STORMWATER LINE		
s	AUTHORITY SEWER LINE		
w	AUTHORITY WATER LINE		
—— G —— G ——	AUTHORITY GAS LINE		
	AUTHORITY ELECTRICITY LINE		
— F0— F0— F0—	AUTHORITY FIBRE OPTIC LINE		
TEL	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		

	Γ
<u>LEGEND</u>	
FF ⊘	FIRST FLUSH
eSMH	EXISTING SEWER MANHOLE
OFP -	OVERLAND FLOW PATH
RWO ⊘	RAINWATER OUTLET
CO ⊘	CLEAR OUT POINT
DDO ⊘	DISH DRAIN OUTLET
PD ⊘	PLANTER DRAIN
٦	CAPPING
(1.01)	PIT TAG/NUMBER
RH 🖸	RAINHEAD
•	DOWNPIPE DROP
\bowtie	NON RETURN VALVE
<u>)</u> -(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.

ABBREVIATIONS:

ø or DIA DIAMETER CBR CALIFORNIA BEARING RATIO CHAINAGE СН CENTER LINE CLEAR OUT CO DISH DRAIN DDO DISH DRAIN OUTLET DOWELLED EXPANSION JOINT DEJ DGB DENSE GRADED BASECOURSE DGS DP DENSE GRADED SUB-BASE DOWNPIPE EXISTING FFL FINISHED FLOOR LEVEL GRATED TRENCH DRAIN GTD GSIP GRATED SURFACE INLET PIT HYD HYDRANT ISOLATING JOINT INTEGRAL KERB INVERT LEVEL INTERSECTION POINT KERB INLET PIT KERB ONLY KERB & GUTTER KERB RETURN LS LONGITUDINAL SECTION NGL NATURAL GROUND LEVEL OVERLAND FLOW PATH OFP OSD ON-SITE DETENTION RADIUS RCP REINFORCED CONCRETE PIPE RK ROLL KERB & GUTTER REDUCED LEVEL RETAINING WALL RAINWATER TANK SAWN CONTROL JOINT SMH SEWER MAN HOLE SW STORMWATER SWP STORMWATER PIT SWRM STORMWATER RISING MAIN STORMWATER SUMP SWS STOP VALVE SV TOP OF KERB TOK TOW TOP OF WALL TOP WATER LEVEL TWL TP TANGENT POINT UPVC UNPLASTICISED POLYVINYL

CHLORIDE

TYPICAL

BENCH MARK

UNLESS NOTED OTHERWISE WEAKENED PLANE JOINT

FIRST FLUSH DEVICE

UNO

WPJ

FF

ВМ

TYP

DRAINAGE NOTES:

ALL PIPES TO BE LAID ON 75mm SAND BED WITH THE BARRELS FULLY SUPPORTED

100mm AND 150mm DIAMETER PIPES TO BE LAID ON MINIMUM 1%

MINIMUM DEPTH OF COVER FOR PIPES NOT SUBJECT TO VEHICULAR LOADING TO BE 300mm

ALL DRAINAGE PIPES LAID UNDER PAVEMENT SHALL BE REINFORCED CONCRETE WITH RUBBER RING JOINTS

BACKFILL TRENCHES WITH COMPACTED SAND OR APPROVED AGGREGATE MATERIAL

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

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: -STRAIGHT ENTRY - Ø750 SKEW ENTRY 45° - Ø525

trafficable areas

Ø100 SUBSOIL DRAINAGE PIPE 3000mm LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED ADJACENT TO INLET PIPES

COMPRESSIVE STRENGTH I'C 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 FROM PITS

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

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 UPON EXCAVATION & PRIOR TO INSTALLATION OF PIPEWORK.

FOOTPATH REINSTATEMENT NOTES:

REMOVE ALL SAND FILL WITHIN THE FOOTPATH AREA TO THE EXISTING SUBGRADE.

SUPPORT ALL AUTHORITY SERVICES TO STRUCTURAL ENGINEERS DETAILS DURING EXCAVATION.

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 SELECT FILL (LESS THAN 300mm

95% MODIFIED 98% MODIFIED

BELOW BASE COURSE) BASE COURSE

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 INCOMING FLOWS.

DO NOT STOCK PILE EXCAVATED MATERIAL ON THE ROAD WAY.

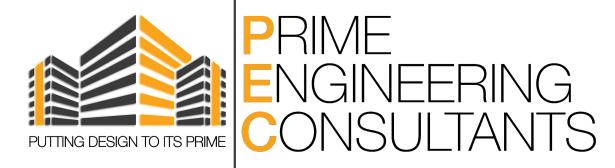
SURVEY

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY D&C SURVEYING PTY LTD, BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. PRIME 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 PRIME ENGINEERING CONSULTANTS.

DRAWING REGISTER							
NUMBER	NAME	REVISION					
SW01	COVER SHEET	Α					
SW02	SPECIFICATIONS SHEET	А					
SW03	STORMWATER PLAN — BASEMENT LEVEL	А					
SW04	STORMWATER PLAN — GROUND LEVEL	Α					
SW05	STORMWATER PLAN — FIRST LEVEL	Α					
SW06	STORMWATER DETAILS	А					

ISSUE



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DRAWN DATE

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PSW21310

SW02

DESIGN NOTES:

THE SITE IS LOCATED IN NORTHERN BEACHES COUNCIL.

SITE AREA = 566.68m²

IN ACCORDANCE TO COUNCIL GUIDELINES THE PROPOSED ALTERATIONS AND ADDITIONS DOES NOT REQUIRE AN OSD.

CONTRACTOR TO INSTALL ABOVE GROUND RAINWATER TANK TO COLLECT REQUIRED ROOF AREA IN ACCORDANCE WITH BASIX CERTIFICATE.

RAINWATER TANK TO BE EQUIPPED WITH FIRST FLUSH AND MOSQUITO PROTECTION DEVICES.

ALL NEW STORMWATER PIPES TO HAVE A MINIMUM OF 100mm CONCRETE OR 300mm TOPSOIL COVER U.N.O.

ALL DOWNPIPES SHOWN ON PLAN ARE Ø100mm uPVC U.N.O.

EROSION & SEDIMENT CONTROL NOTES:

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

ISOLATE EXISTING STORMWATER PITS WITH HAY BALES TO FILTER ALL INCOMING FLOWS.

DO NOT STOCK PILE EXCAVATED MATERIAL ON THE ROAD WAY.

SURVEY

NSW 2170

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY D&C SURVEYING PTY LTD REF: 19-21SP DATED 25/01/2021, BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN.

LINE OF WALLS ABOVE PROPOSED STORAGE AREA TO BE FULLY TANKED.



HIGH DESIGN	architectu mobile : 041 3389 E-mail:	ral design ar 036 hd@higho	ABN 51 476 054 183 nd drafting service fax : 9981 55 56 lesign. com. au sign.com.au

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D.S.	22.11.2021	ISSUED FOR C.D.C	A	DUSAN CVIJANOVIC	CHECKED BY:	D.S.	Λ	STORMWATER PLANS
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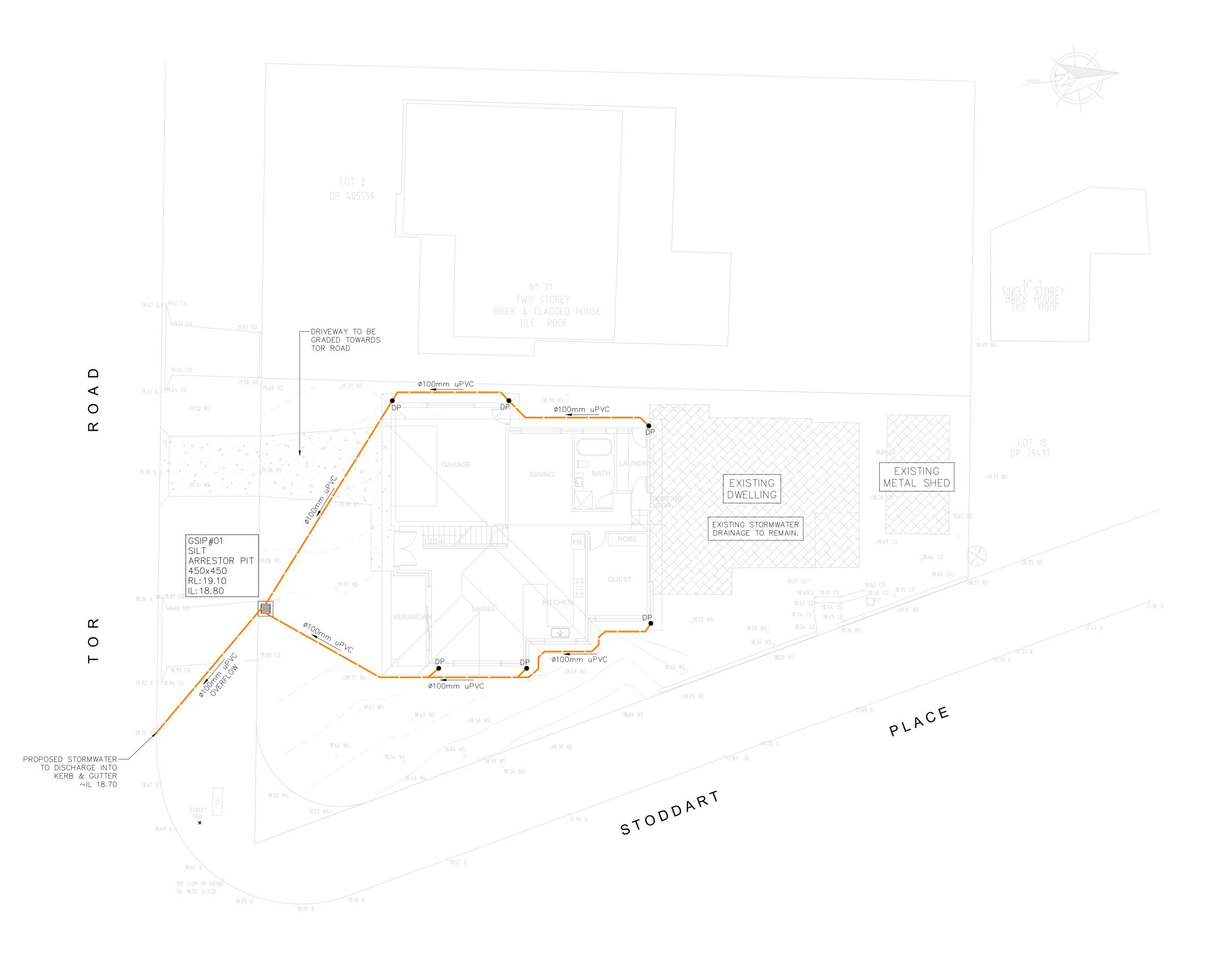
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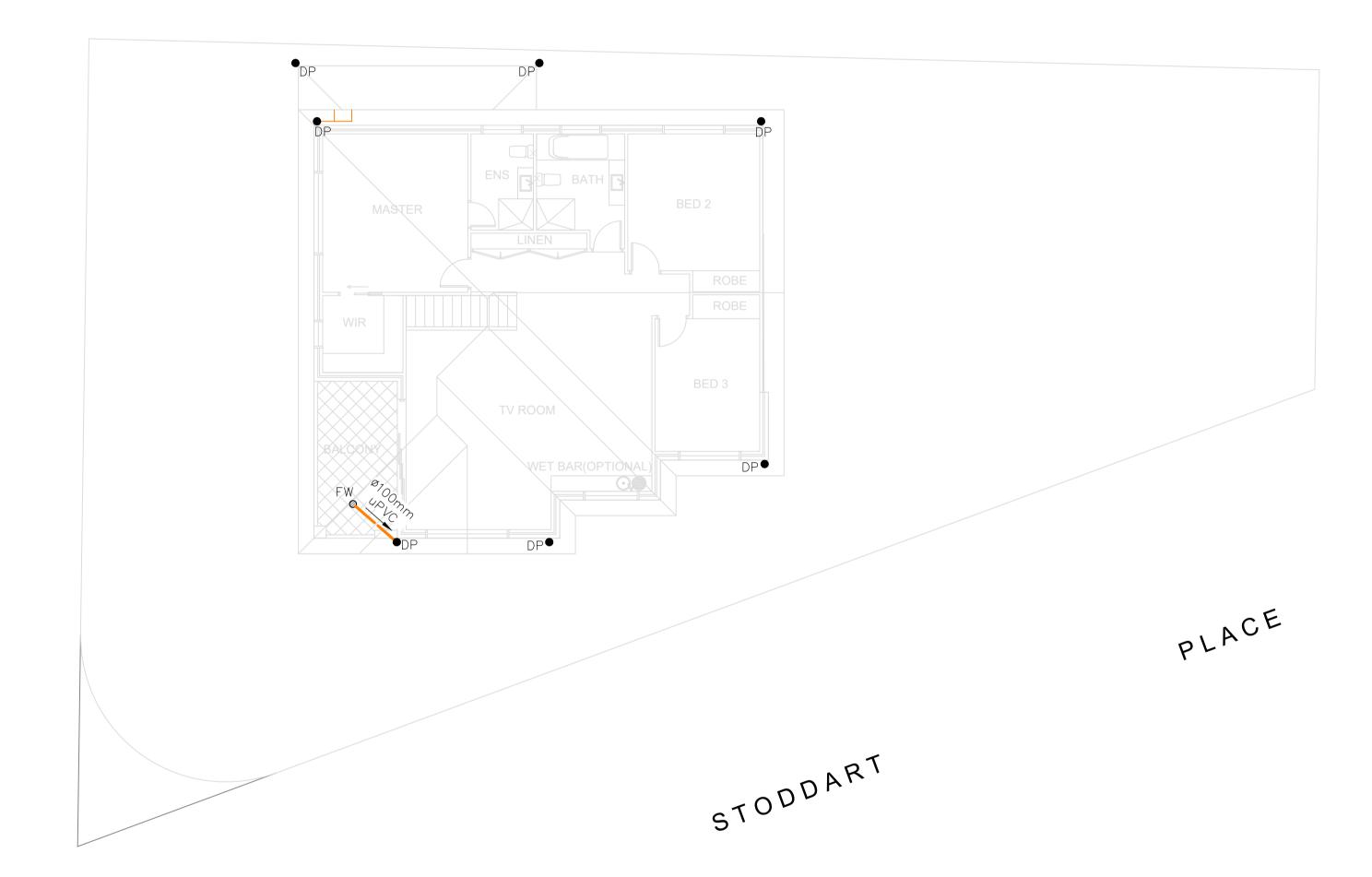
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