

GENERAL NOTES

- 1) ALL WORK TO BE IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL'S DEVELOPMENT CONTROL PLANS AND WORKS SPECIFICATION CIVIL.
- 2) UTILITY ADJUSTMENTS ARE TO BE AT THE DEVELOPERS EXPENSE.
- 3) CONDUITS SHALL BE PLACED WHERE REQUIRED BY THE RELEVANT AUTHORITIES
- 4) TREES THAT ARE NOT TO BE REMOVED SHALL BE PRESERVED.
- 5) BENCHMARK, SSM'S PERMANENT MARKS TO BE AHD
- 6) AGRICULTURAL LINES SHALL BE PLACED AS DIRECTED
- 7) PITS TO HAVE STEP IRONS IF DEEPER THAN 1.2m
- 8) STRUCTURAL CERTIFICATION REQUIRED FOR CONSTRUCTION OF MAJOR AND NON- STANDARD STRUCTURES
- 9) DRIVEWAYS/LAYBACKS TO HAVE MINIMUM 1m CLEARANCE FROM POWER AND LIGHT POLES, PIT LINTELS AND STORM WATER DRAINS, AND 6m CLEARANCE FROM KERB RETURN TANGENT POINT
- 10) SUBSOIL DRAINAGE SHALL BE PROVIDED WHERE DIRECTED BY ENGINEER
- 11) ALL WORKMANSHIP AND MATERIALS SHALL COMPLY WITH THE RELEVANT SAA CODES.
- 12) CONTRACTOR SHALL VERIFY THE VALUE OF THE BM PRIOR TO COMMENCEMENT OF WORK.
- 13) MAKE SMOOTH JUNCTION WITH ALL EXISTING WORKS.
- 14) ALL STORMWATER PIPES AND PITS SHALL BE INSTALLED IN ACCORDANCE WITH AS 3500.3 NATIONAL PLUMBING AND DRAINAGE - STORMWATER DRAINAGE AND CITY OF NORTHERN BEACHES COUNCIL DEVELOPMENT CONTROL PLANS
- 15) ALL STORMWATER PIPES UNDER TRAFFICABLE AREAS SHALL BE SEWER GRADE uPVC.
- 16) MINIMUM 300mm PIPE COVER TO PROPOSED SURFACE AND 150mm TO UNDERSIDE PAVEMENT.
- 17) ALL STORMWATER PIPES FROM DPs SHALL BE 100ø uPVC LAID AT 1% MINIMUM U.N.O.
- 18) ALL STORMWATER PIPES FROM PITS SHALL BE 150ø uPVC LAID AT 1% MINIMUM U.N.O.
- 19) ALL PITS SHALL BE PROVIDED WITH 100 ø WEEP HOLES IN THE UPSTREAM WALL AND BE STREAMLINED WITH MASS CONCRETE BENCHING AND HAVE INTERNAL DIMENSIONS COMPLYING WITH THE FOLLOWING TABLE :-
DEPTH < 600 mm - 450 mm SQUARE
600 < DEPTH < 900 mm - 600 mm SQUARE
900 < DEPTH < 1800 mm - 900 mm SQUARE WITH STEPS IRONS @ 300 Ctrs
- 20) CLEANING EYES MUST BE PROVIDED AT ALL CHANGE IN GRADES AND BENDS IN PIPES
- 21) VEHICULAR CROSSINGS ARE TO BE 3m WIDE AT KERB AND GUTTER UNO AND SHALL BE INSTALLED TO COUNCIL SPECIFICATIONS AND LEVELS.
- 22) ALL EXISTING SERVICES IN ROAD RESERVE SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION AND RELOCATED AS REQUIRED AT THE DEVELOPERS EXPENSE.
- 23) ALL CONTROL MEASURES USED SHALL BE IN ACCORDANCE WITH THE DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT PUBLICATION DATED 1992, TITLED "URBAN EROSION AND SEDIMENT CONTROL".
- 24) SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE SET IN PLACE PRIOR TO ANY WORKS COMMENCING.
- 25) ALL CONTROL MEASURES SHALL ALSO BE INSTALLED TO THE SATISFACTION AND DIRECTION OF THE COUNCIL'S ENGINEER.
- 26) THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES BEFORE NO MORE THAN 60% OF THEIR CAPACITY IS LOST. NO SILT SHALL BE PLACED OUTSIDE THE LIMIT OF WORKS.
- 27) ALL DISTURBED AREAS SHALL BE STABILISED BY MEANS OF LANDSCAPING, TURF OR RE-VEGETATION SHALL AS SOON AS POSSIBLE.
- 28) THIS DRAWING OUTLINES THE MINIMUM MEASURES TO BE TAKEN TO CONTROL EROSION AND TO ARREST THE TRANSPORT OF SEDIMENT. ADDITIONAL MEASURES MAY BE REQUIRED TO SUIT STAGING OF WORKS OR AS DIRECTED BY THE SUPERINTENDENT OR COUNCIL ENGINEER.
- 29) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE FOLLOWING- ARCHITECTURAL PLANS by "GAP DESIGNERS" DATED 30.11.2023 PROJECT No MS2023/3079B
- 30) CAUTION NOTE: UNDERGROUND SERVICES ARE SHOWN IN PLAN POSITION ONLY FROM INFORMATION SUPPLIED BY THE RELEVANT AUTHORITY. DEPTH OF SERVICES WERE NOT INVESTIGATED AS PART OF THIS DESIGN. THE CONTRACTOR SHALL VERIFY LOCATION AND DEPTH PRIOR TO COMMENCEMENT OF ANY WORKS.

LEGEND

EXISTING

PROPOSED

DESCRIPTION

BENCH MARK - BM

CONTOURS

SPOT HEIGHT

PIPE & PIT

ELECTRICAL and POLE or PIT

GAS and VALVE or MARKER

SEWER and ACCESS CHAMBER

TELSTRA and PIT

WATER (HYDRANT & STOP VALVE)

STORMWATER NODE

COURTYARD FENCE

SUBSOIL DRAINAGE

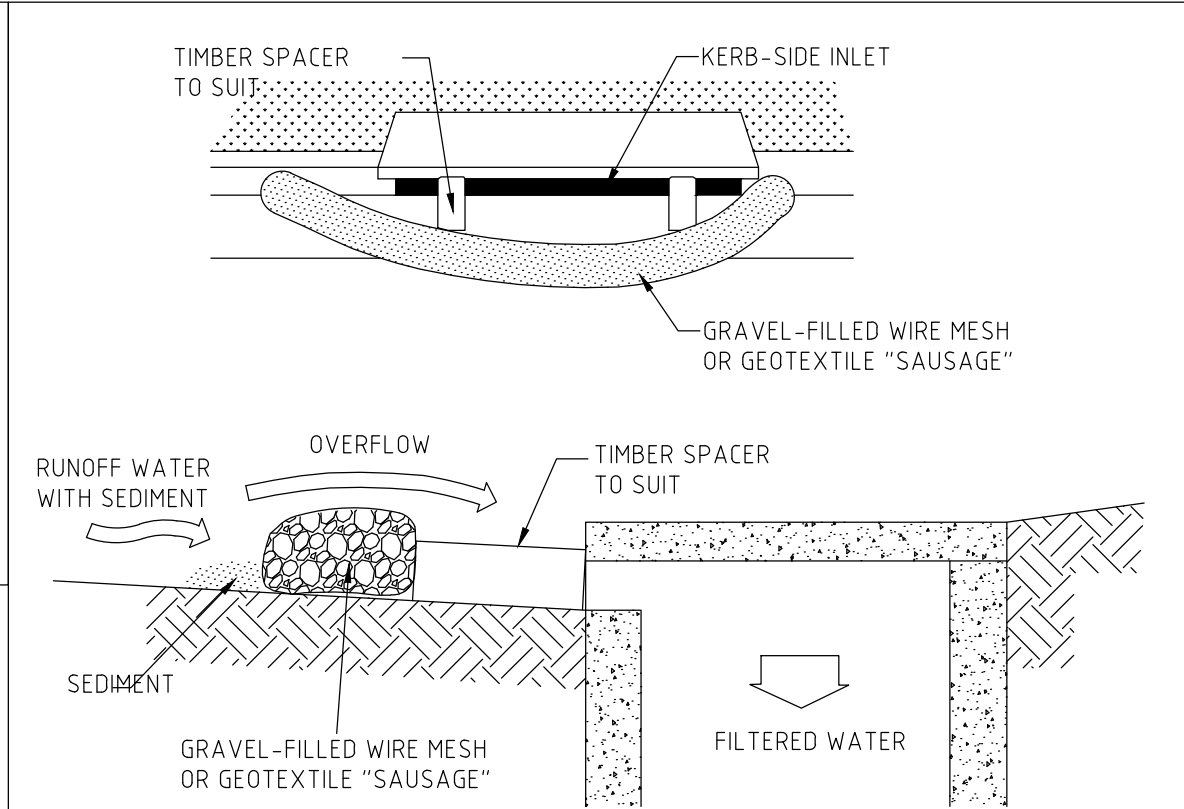
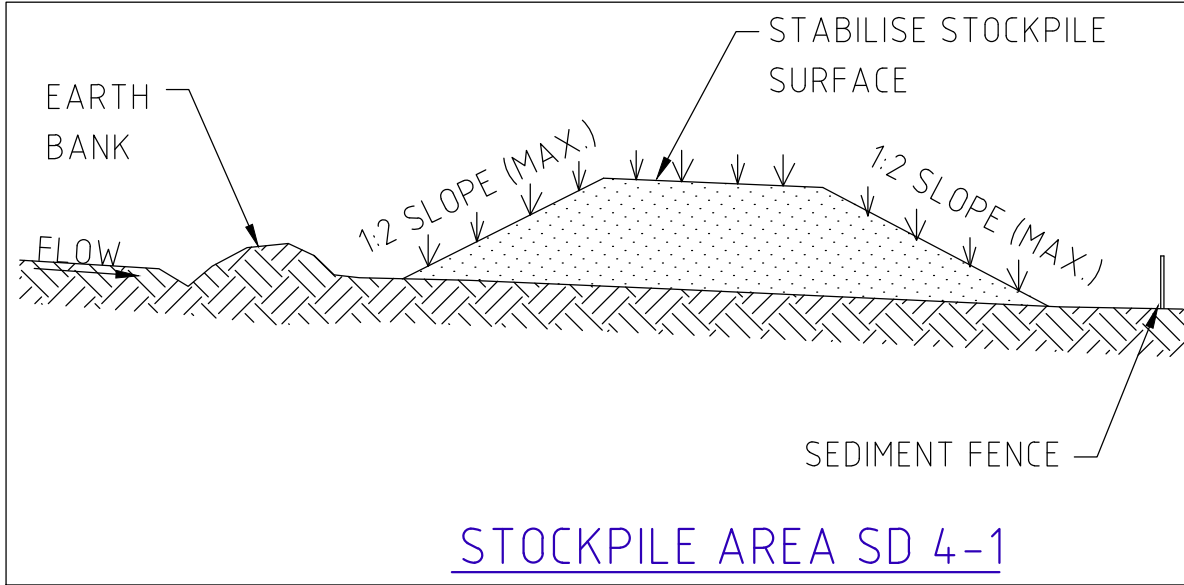
AHD	AUSTRALIAN HEIGHT DATUM	JN	SLOPE JUNCTION
ARI	AVERAGE RECURRENCE INTERVAL	JP	JUNCTION PIT
CE	CLEANING EYE	K&G	KERB & GUTTER
DC	DIRECT CONNECTION	KO	KERB ONLY
DCP	DISCHARGE CONTROL PIT	KP	KERB INLET PIT
DD	DISH DRAIN	NS	NATURAL SURFACE
DP	DOWNSPIPE	N.T.S.	NOT TO SCALE
EL	EXISTING SURFACE LEVEL	RW	RETAINING WALL
Ex	EXISTING FEATURE (PREFIX)	SL	PROPOSED SURFACE LEVEL
FFL	FINISHED FLOOR LEVEL	SP	SURCHARGE PIT
GL	GRATE LEVEL	TK	TOP OF KERB
GP	GRATED SURFACE INLET PIT	U.N.O.	UNLESS NOTED OTHERWISE
HW	HEADWALL	VC	VEHICULAR CROSSING
IL	INVERT LEVEL		
IP	INLET PIT		

PROPOSED ALTERATIONS No.36 WOODLANDS RD FORESTVILLE NSW 2087

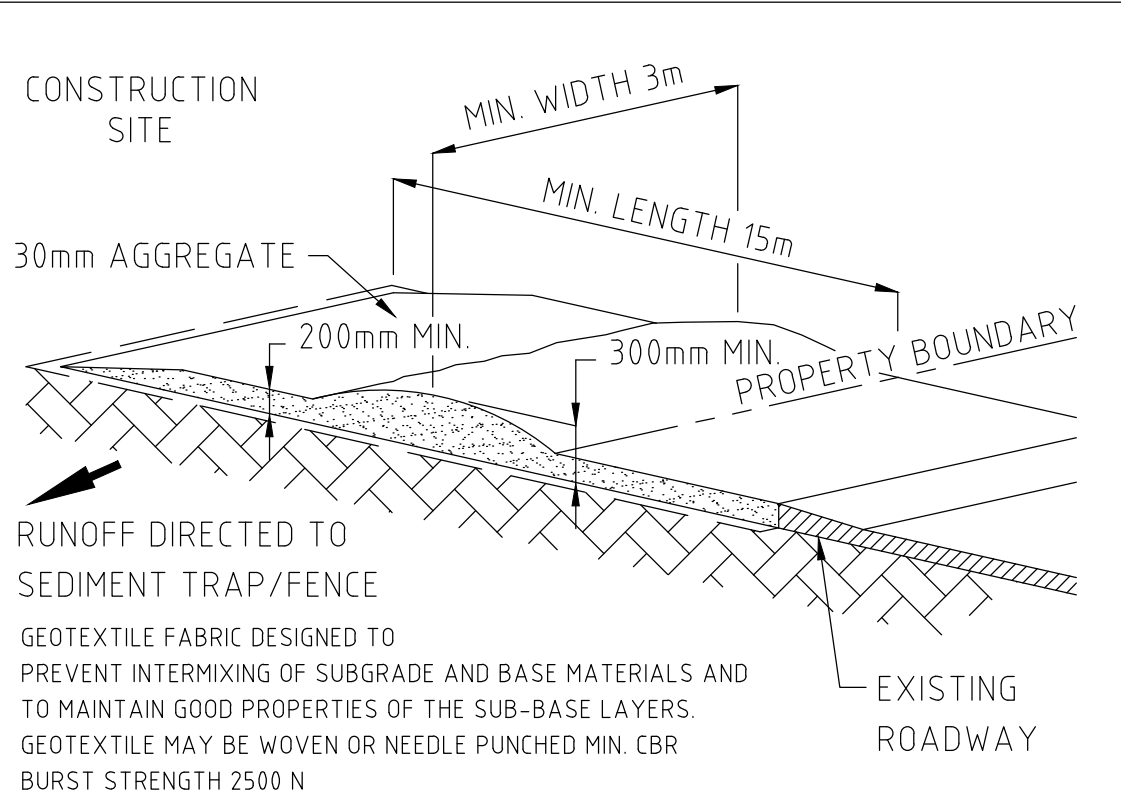
STORMWATER ENGINEERING

SEDIMENT & EROSION CONTROL DETAILS

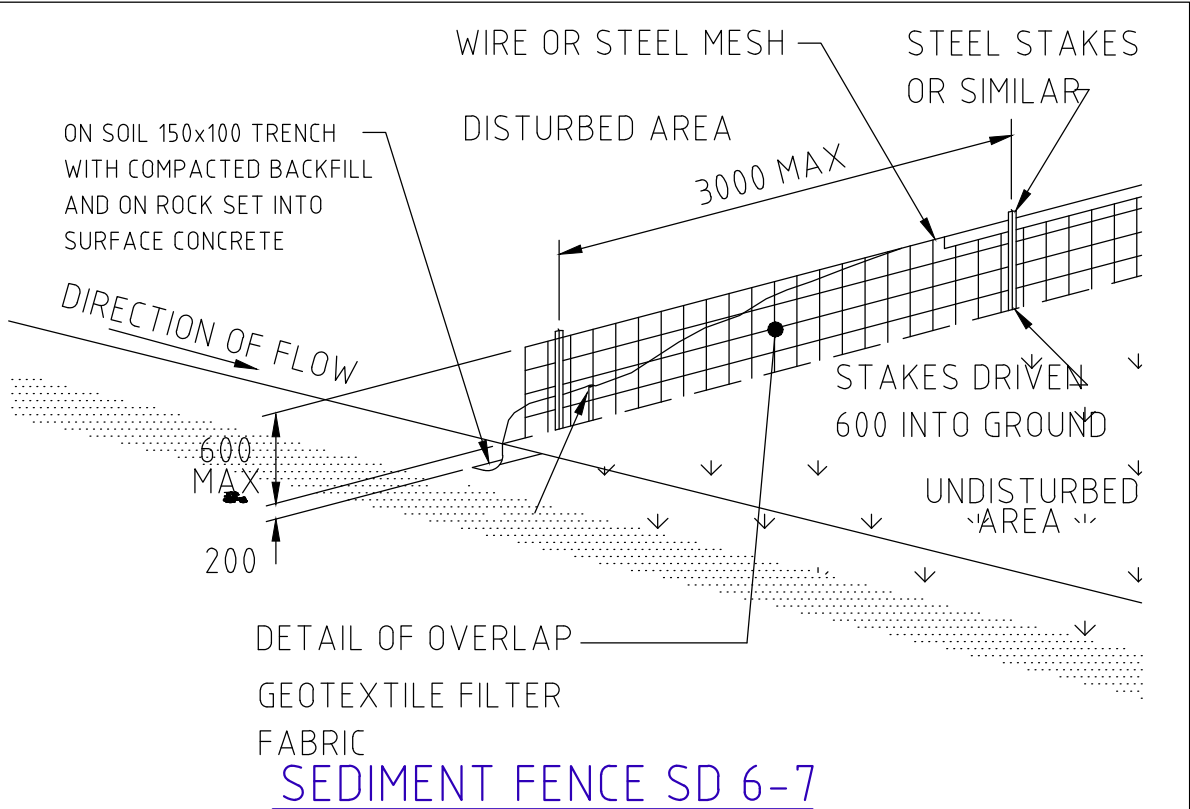
DETAILS OBTAINED FROM MANAGING URBAN STORMWATER SOILS & CONSTRUCTION AUGUST 1998 - NSW DEPARTMENT OF HOUSING



MESH & GRAVEL INLET FILTER

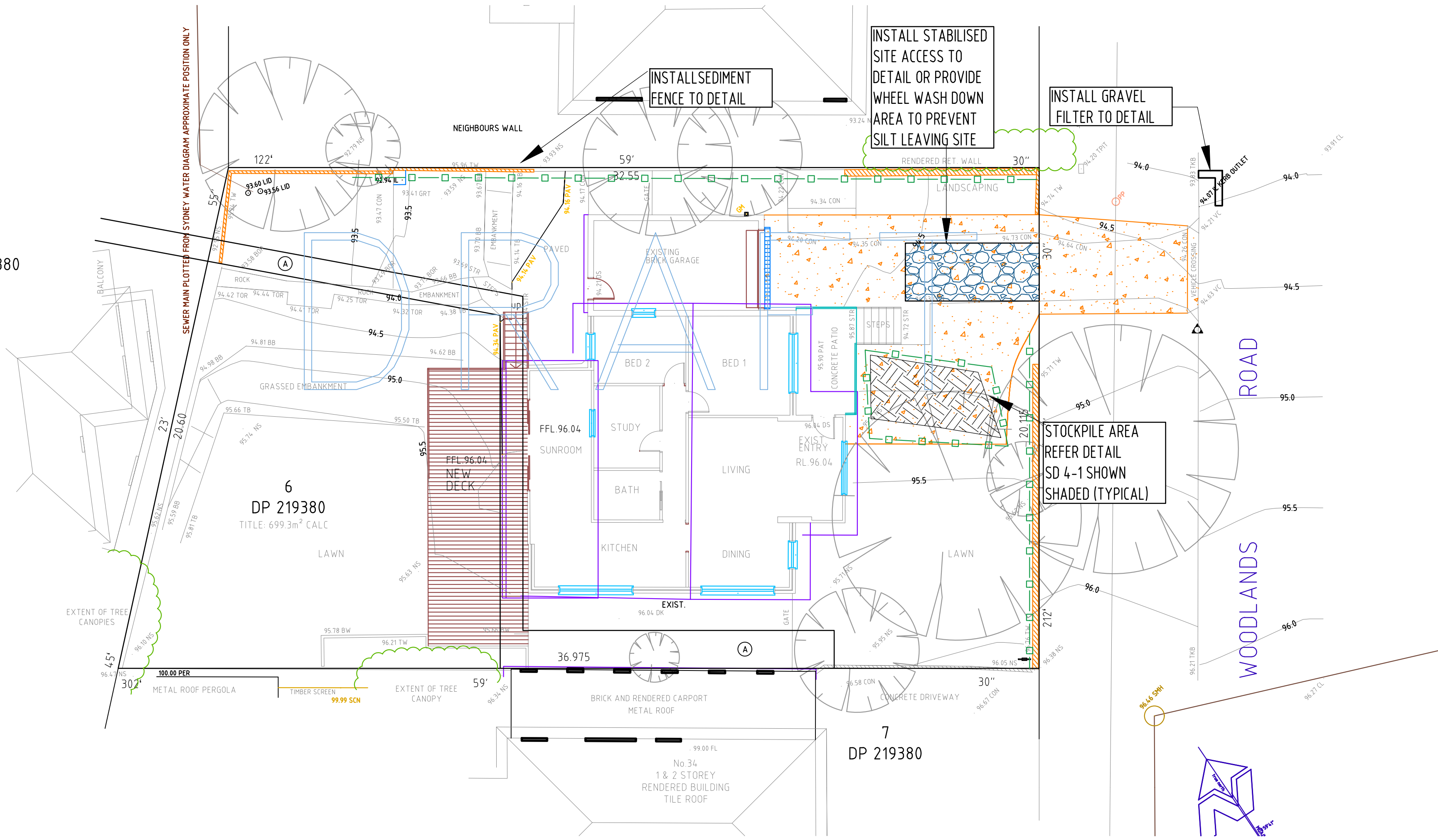


STABILISED SITE ACCESS SD 5-7



DRAINAGE AREA 0.6HA MAX. SLOPE GRADIENT 1:2 MAX. SLOPE LENGTH 60M MAX.

8 DP 219380



SEDIMENT & EROSION CONTROL NOTES

- SD4-1 STOCKPILE AREA
- 1) LOCATE STOCKPILE AT LEAST 5 m FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS WHERE POSSIBLE
- 2) CONSTRUCT ON THE CONTOUR AS A LOW FLAT ELONGATED MOUND.
- 3) WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2 m IN HEIGHT
- 4) CONSTRUCT EARTH BANK (SD 5-7) ON THE UPSLOPE SIDE TO DIVERT RUNOFF AROUND THE STOCKPILE AND A SEDIMENT FENCE (SD 6-7) 1 TO 2 m DOWNSLOPE OF STOCKPILE.
- SD5-7 STABILISED SITE ACCESS
- 1) STRIP TOPSOIL AND LEVEL SITE.
- 2) COMPACT SUBGRADE.
- 3) COVER AREA WITH GEOTEXTILE.
- 4) CONSTRUCT 280 mm THICK PAD OVER GEOTEXTILE USING ROADBASE OR 30 mm AGGREGATE. Min 15 m LONG OR TO BUILDING ALIGNMENT. Min 3 m WIDE.
- 5) CONSTRUCT HUMPS IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE OR OTHER SEDIMENT TRAP.
- SD6-7 SEDIMENT FENCE
- 1) CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE AND PARALLEL TO THE CONTOURS OF THE SITE.
- 2) DRIVE 15 m LONG STAR PICKETS INTO GROUND Max 3 m Ctrs.
- 3) DIG A 150 mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- 4) BACKFILL TRENCH OVER BASE OF FABRIC.
- 5) FIX SELF SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF PICKETS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER.
- 6) JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A Min LAP OF 150 mm.
- MESH & GRAVEL INLET FILTER
- 1) FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET
- 2) FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
- 3) PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
- 4) FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
- 5) SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT / LADEN WATERS CANNOT PASS BETWEEN.

SEDIMENT & EROSION CONTROL PLAN

SCALE 1:200

WILSON CONSULTING ENGINEERS
CIVIL - STORMWATER - FLOOD - STRUCTURAL
WILSON SALVATORE PTY LTD ABN: 496161704-12 10-375 BLAXLAND RD SYDNEY NSW 2112
mail@wseengineers.com.au - www.wseengineers.com.au M: +61 401 415 555

100mm ON ORIGINAL

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

01 ISSUED FOR DA

AL 15.03.24

REV DESCRIPTION

ENG DATE

REV DESCRIPTION

ENG DATE

ARCHITECT

Gap designers Pty Ltd

CLIENT

MATTHEW SMITHIES

PROJECT

ALTERATIONS

No. 36 WOODLANDS RD FORESTVILLE NSW 2087

SHEET TITLE

TITLE, NOTES, SEDIMENT & EROSION PLAN

PROJECT No.

240122

DRAWING No.

C00

REVISION

01

SCALE: A1

1:200

DRAWN

AL

AUTHORISED

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File Name: 240122_C01_R1.dwg - USER: Anthony Lahoud - Plot File Created: Mon 15, 2024 - 10:39pm

LEGEND

EXISTING

PROPOSED

DESCRIPTION

10.2m

5.1m

35.68

35.20

SW

E

G

MH

T

H

H01

BENCH MARK - BM

CONTOURS

SPOT HEIGHT

PIPE & PIT

ELECTRICAL and POLE or PIT

GAS and VALVE or MARKER

SEWER and ACCESS CHAMBER

TELSTRA and PIT

WATER (HYDRANT & STOP VALVE)

STORMWATER NODE

COURTYARD FENCE

SUBSOIL DRAINAGE

STORMWATER MANAGEMENT PLAN
SCALE 1:20

WILSON CONSULTING ENGINEERS
CIVIL - STORMWATER - FLOOD - STRUCTURAL
WILSON SALVATORE PTY LTD. ABN: 6651617104-12, 109-125 BLAXLAND RD RYDE NSW 2112
mail@wseengineers.com.au - www.wseengineers.com.au M: +61 401 415 555

REV	DESCRIPTION	ENG	DATE	REV	DESCRIPTION	ENG	DATE
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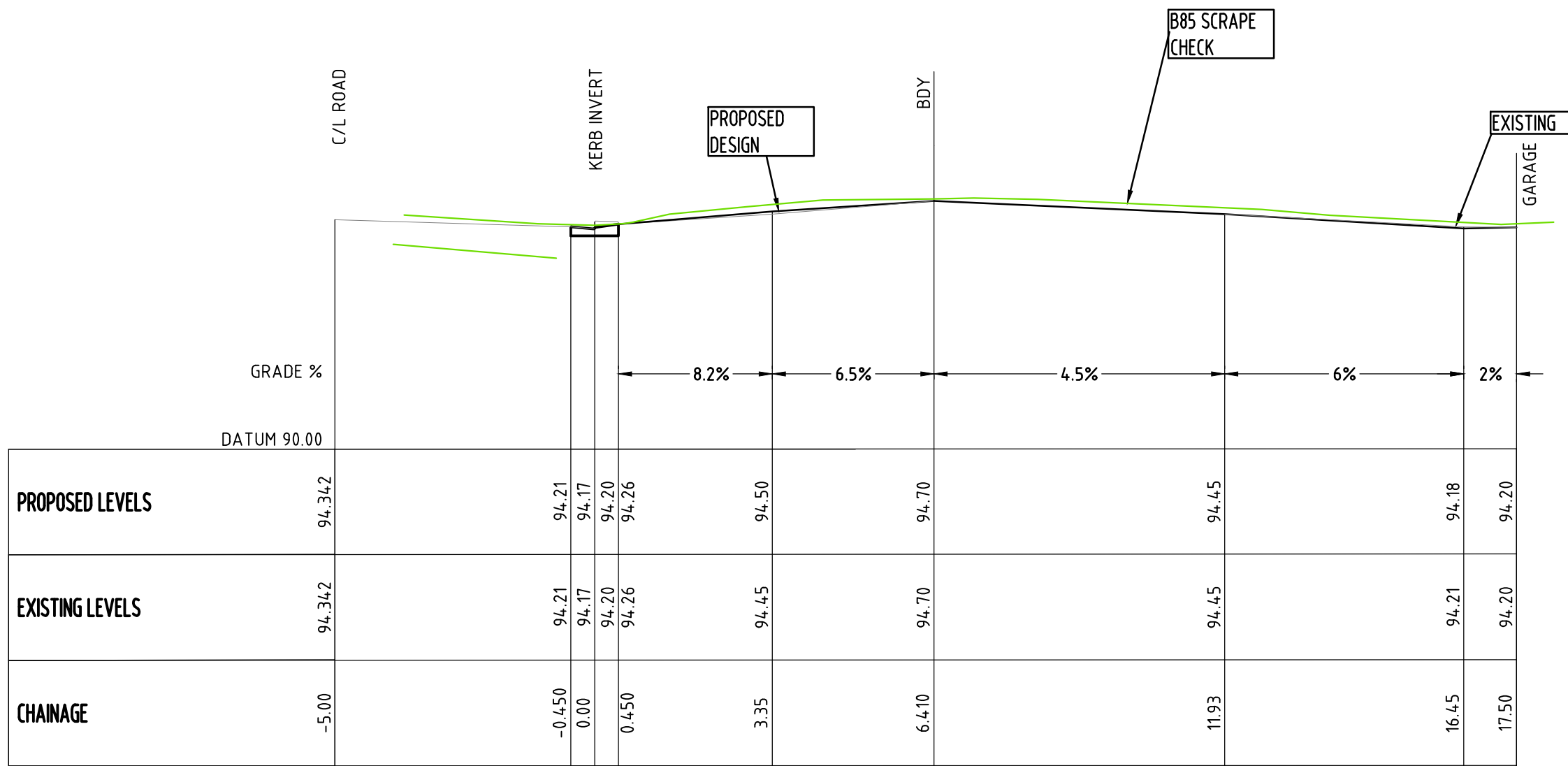
ARCHITECT
Gap designers
Pty Ltd
ARCHITECTS SINCE 1987

CLIENT
MATTHEW SMITHIES

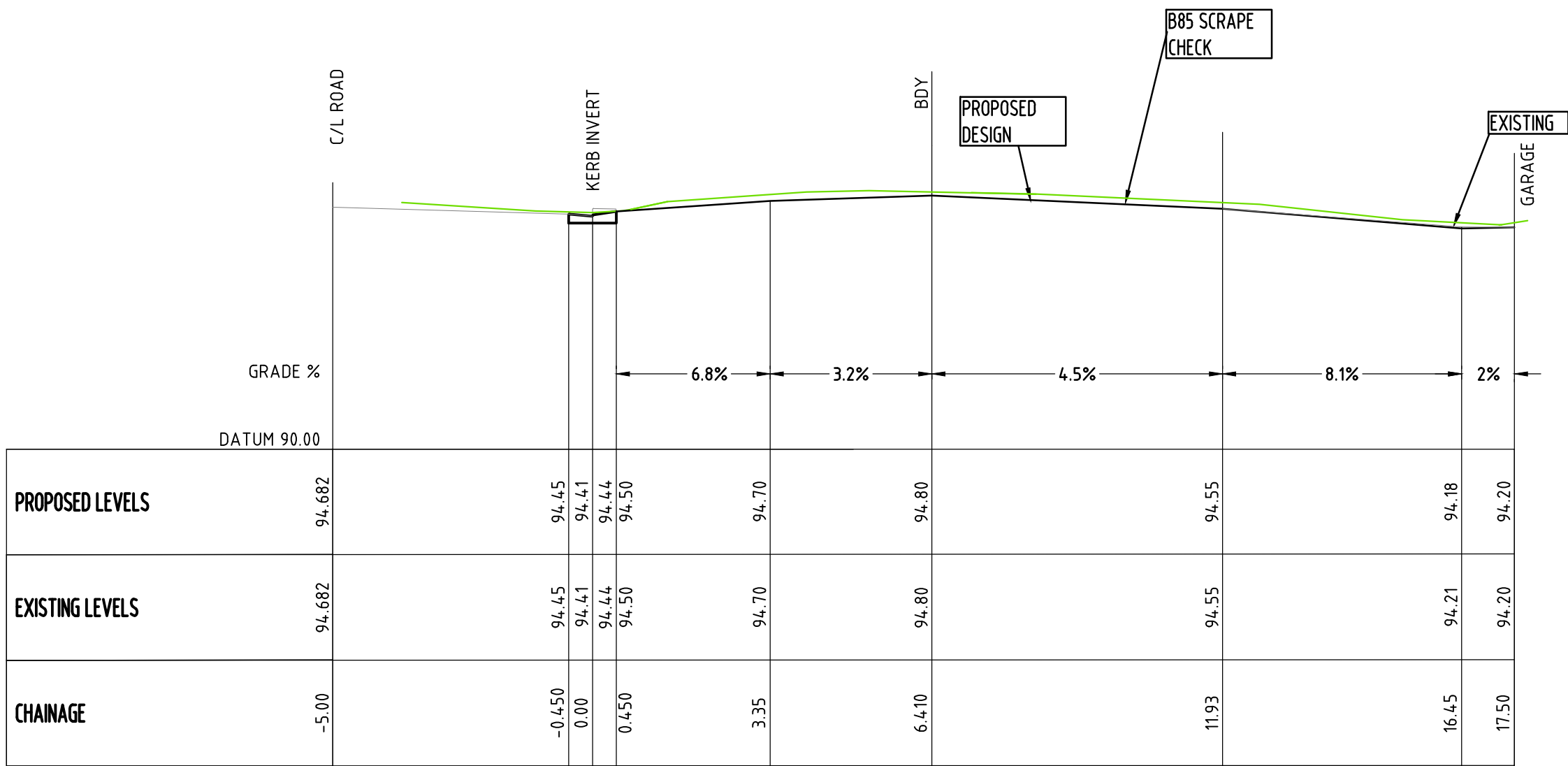
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ALTERATIONS
No. 36 WOODLANDS RD
FORESTVILLE NSW 2087

SHEET TITLE
STORMWATER PLAN & DETAILS

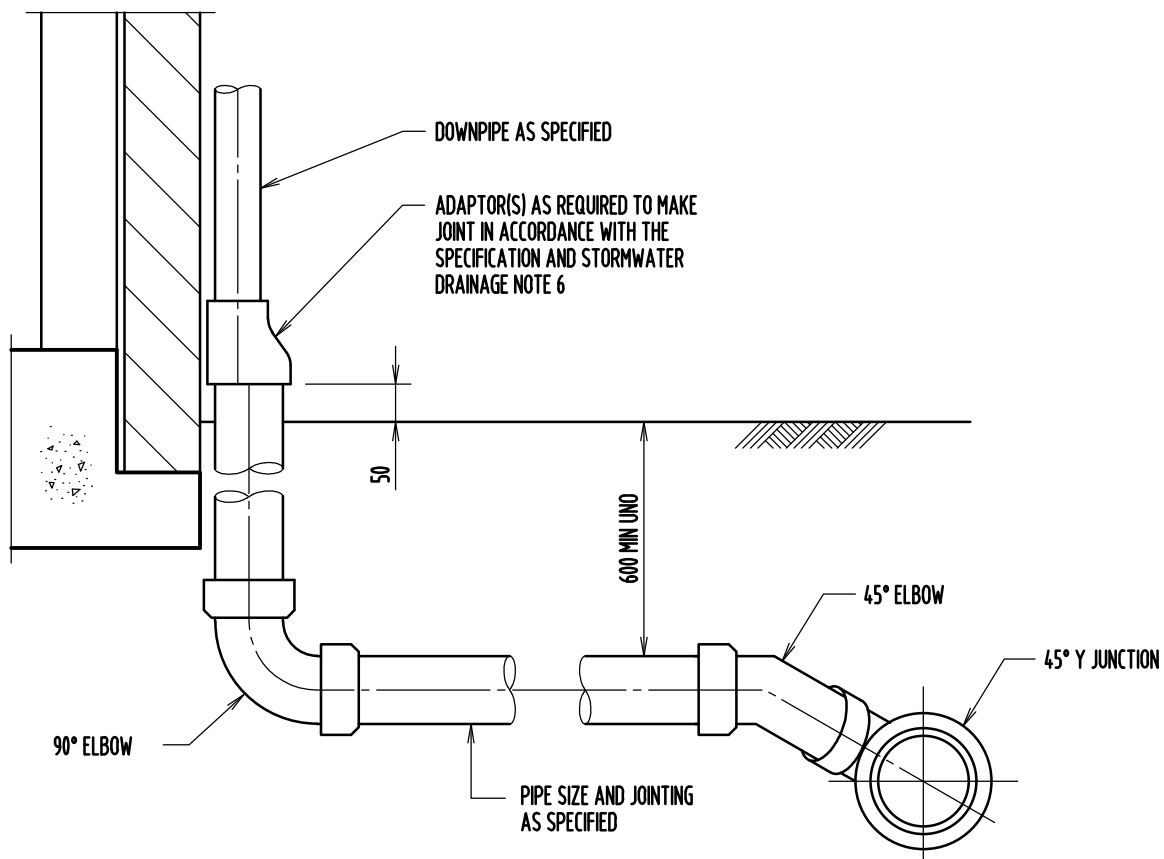
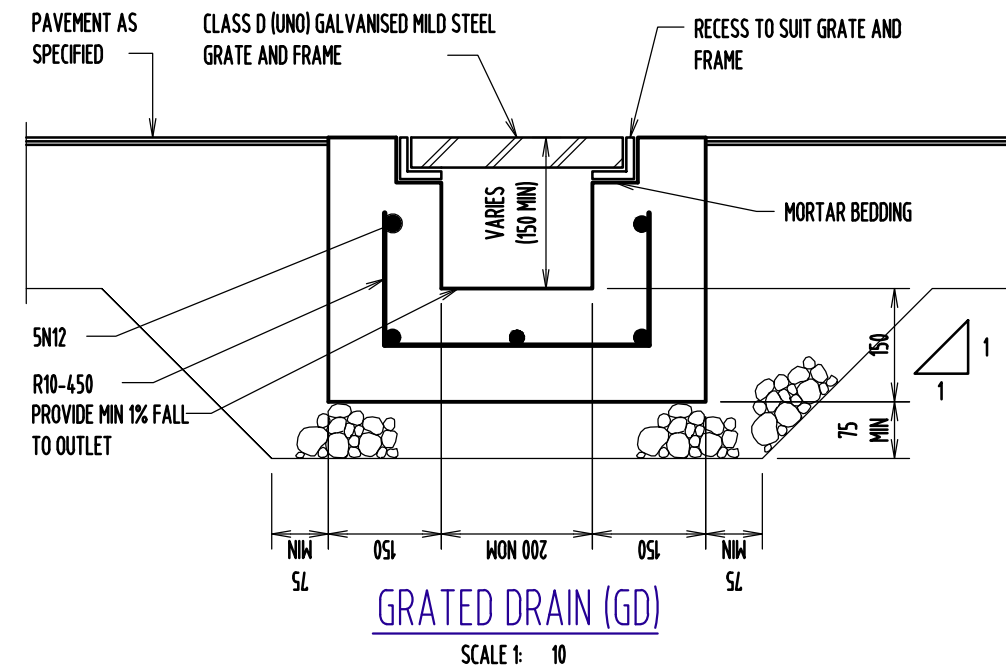
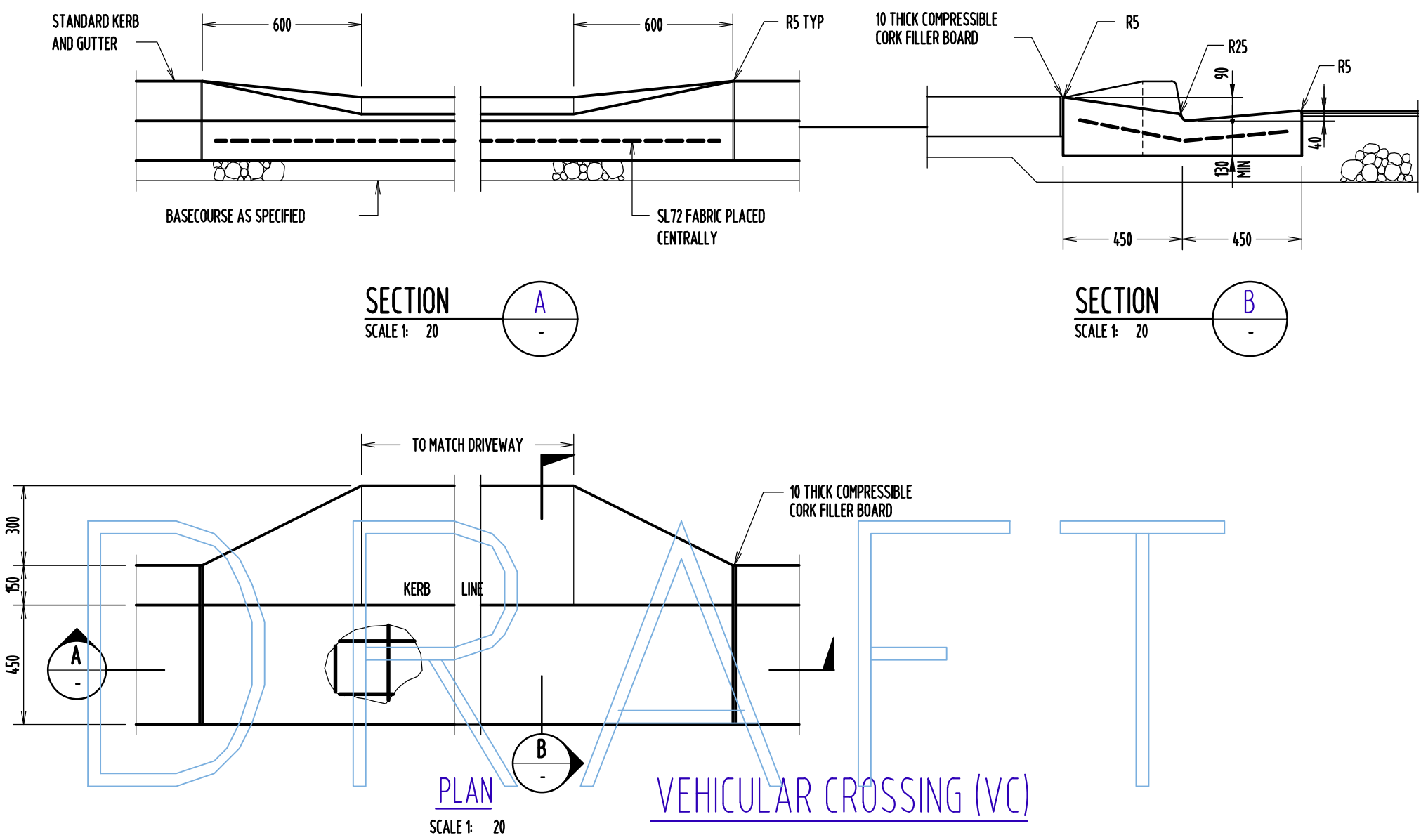
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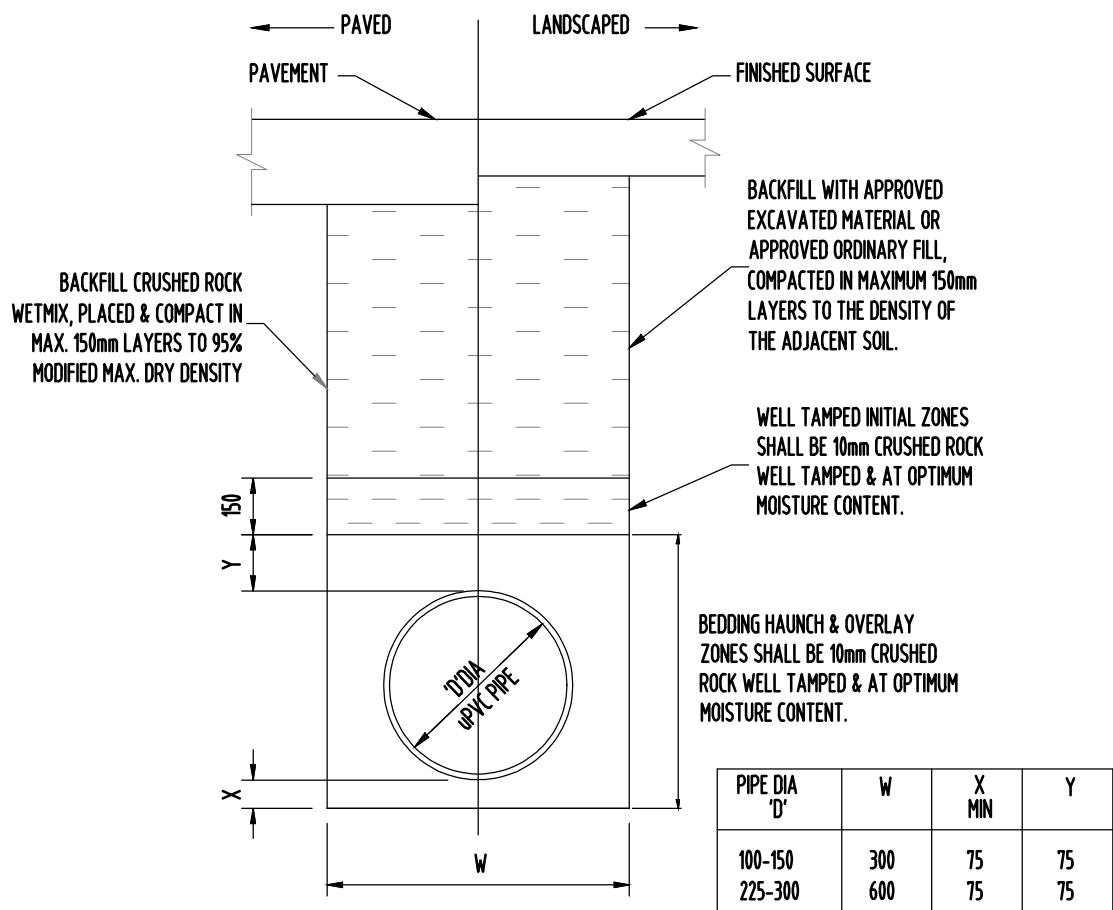
DRIVEWAY LONG SECTION NORTH
SCALE: H 1:100, V 1:100



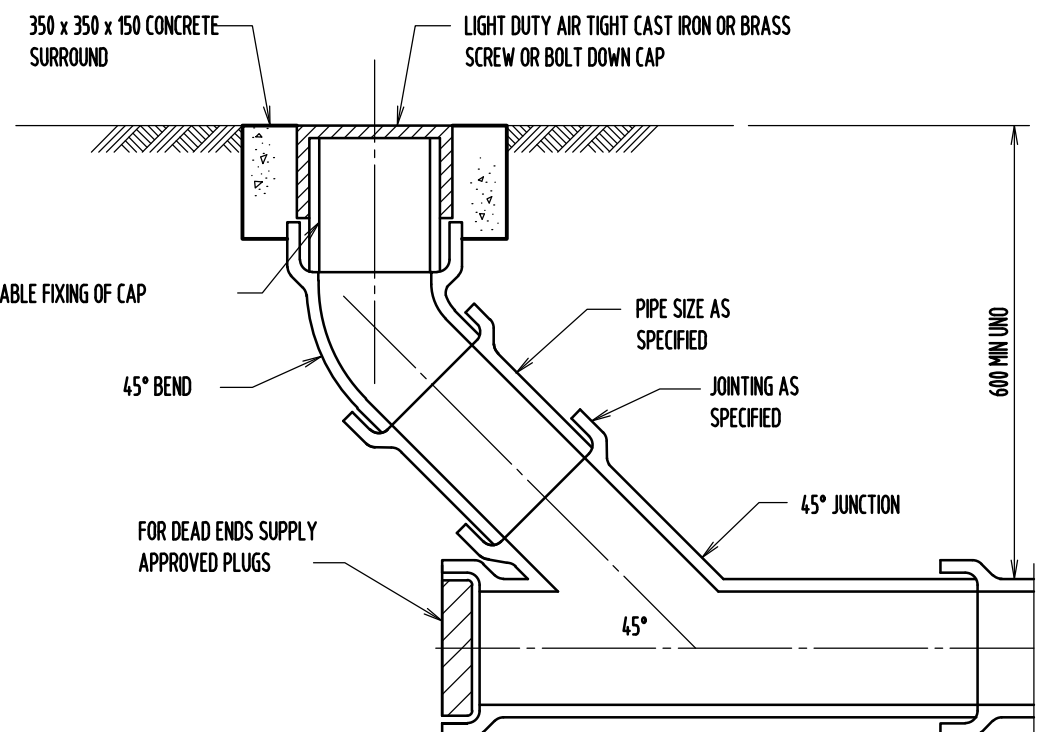
DRIVEWAY LONG SECTION SOUTH
SCALE: H 1:100, V 1:100



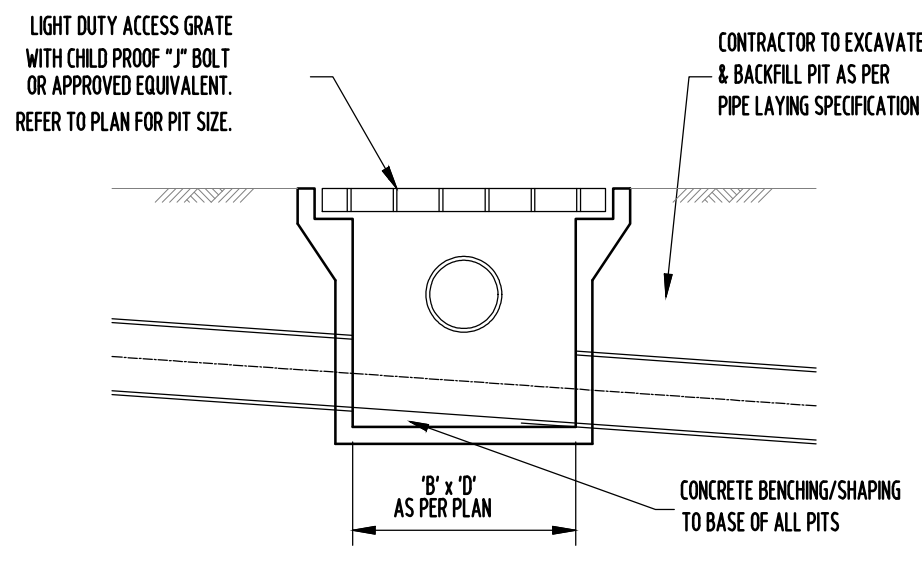
DOWNPIPE CONNECTION TO uPVC STORMWATER



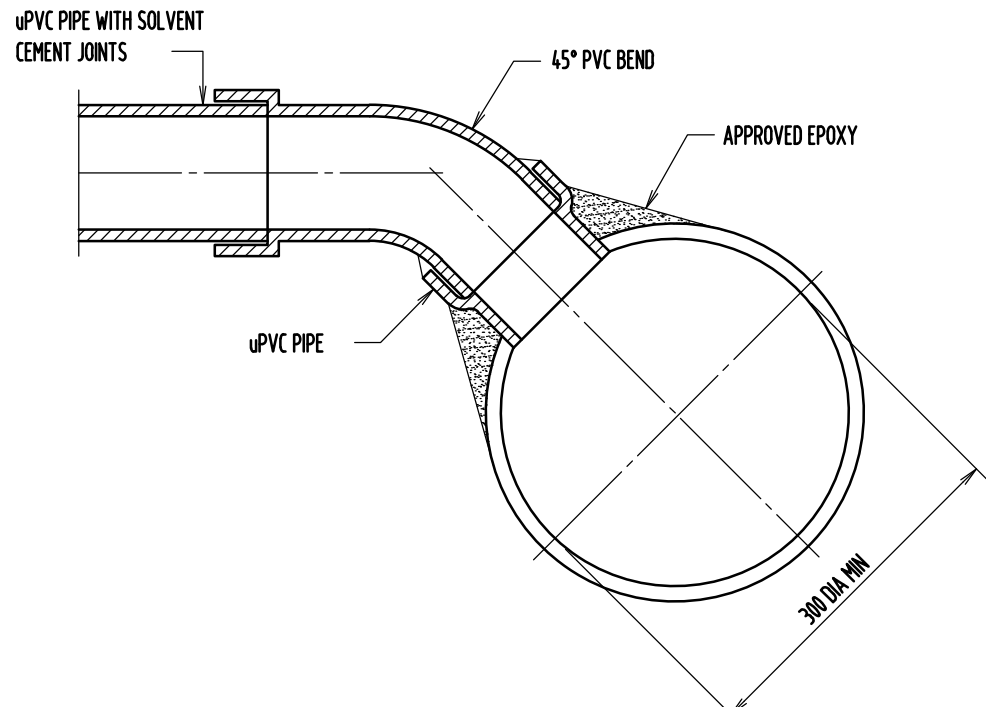
TYPICAL PIPE LAYING DETAIL



RODDING POINT (RP) AT 45°



TYPICAL SURFACE INLET PIT DETAIL (IF REQUIRED)



uPVC DIRECT CONNECTION DETAIL