

45 McLAREN STREET,
NORTH SYDNEY, NSW 2060
CIVIL ENGINEERING DRAWINGS
ISSUED FOR DA

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Rev	Revision Description	By	App	Date
1	ISSUED FOR DEVELOPMENT APPLICATION	CH	CW	10.05.23
2	ISSUED FOR 30% DESIGN	OR	CW	27.11.23
3	ISSUED FOR DA	HS	CW	26.02.24

Rev	Revision Description	By	App	Date
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Scale 1:1 2:1 3:1 4:1 5:1 6:1 7:1 8:1

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Client

CASA

Title
COVER SHEET

Project
**45 MCLAREN STREET
NORTH SYDNEY**

Date
26.02.24
Scale at A1
NTS

Drawn
MARELLANO
Designer
H.SHAHRI

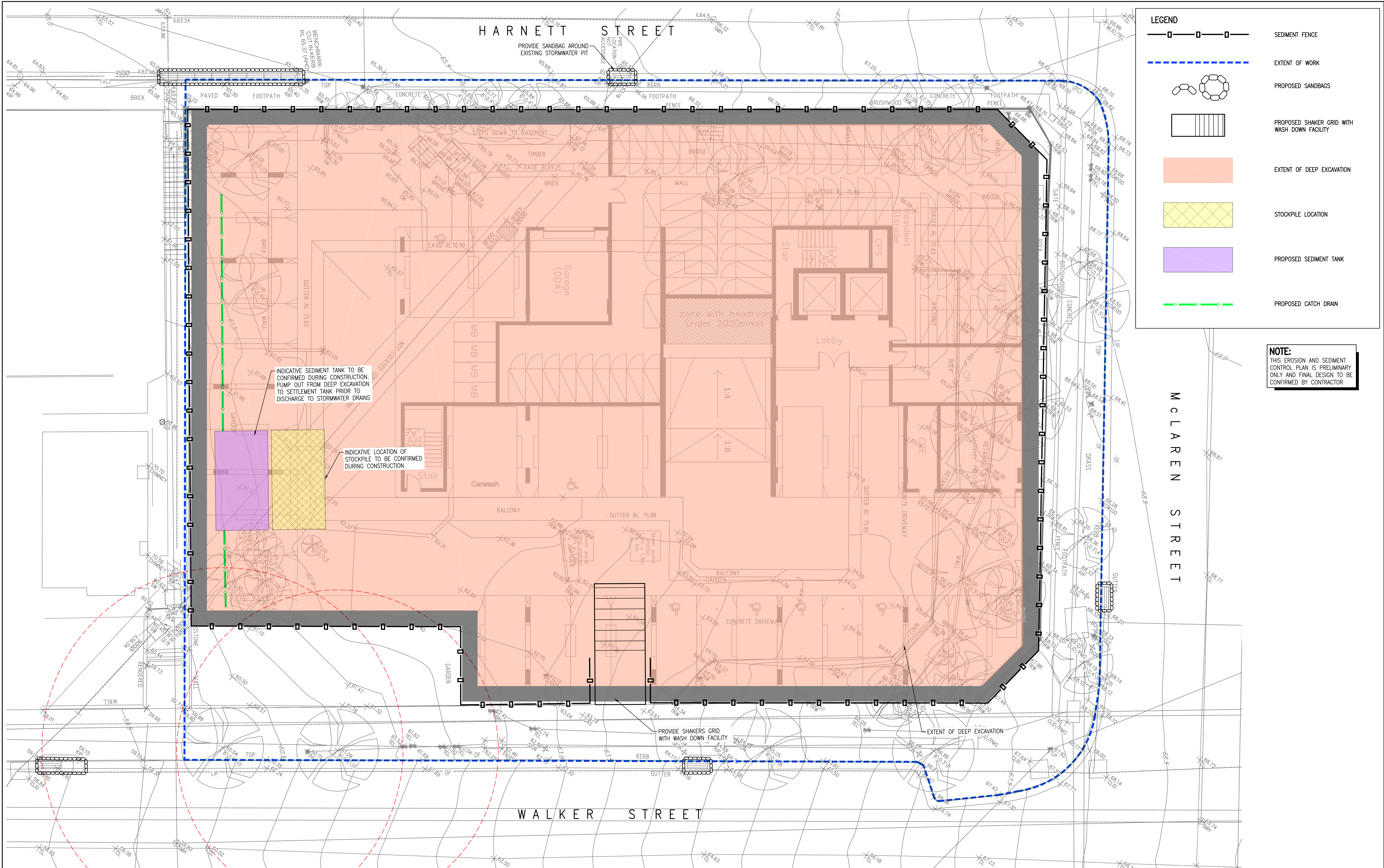
Design Checker
H.SHAHRI
Approved
C.WAITE

22593

NOT FOR CONSTRUCTION

Drawing Number
22593-RBG-XX-XX-DR-CV-80000

Revision
03



LEGEND

SEDIMENT FENCE

EXTENT OF WORK

PROPOSED SANDBAGS

PROPOSED SHAKER GRID WITH WASH DOWN FACILITY

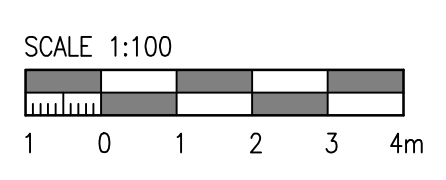
EXTENT OF DEEP EXCAVATION

STOCKPILE LOCATION

PROPOSED SEDIMENT TANK

PROPOSED CATCH DRAIN

NOTE:
THIS EROSION AND SEDIMENT CONTROL PLAN IS PRELIMINARY ONLY AND FINAL DESIGN TO BE CONFIRMED BY CONTRACTOR



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EROSION AND SEDIMENT CONTROL PLAN

Project

**45 MCLAREN STREET
NORTH SYDNEY**

Date

26.02.24

Scale at A1

1:100

Drawn

MARELLANO

Designer

H.SHAH

Design Checker

H.SHAH

Approved

C.WAITE

22593

NOT FOR CONSTRUCTION

Drawing Number

22593-RBG-XX-XX-DR-CV-81001

Revision

03

GENERAL NOTES:

- A1. THIS SOIL AND WATER MANAGEMENT PLAN IS TO BE READ IN CONJUNCTION WITH OTHER ENGINEERING PLANS RELATING TO THIS DEVELOPMENT.
- A2. CONTRACTORS WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE UNDERTAKEN AS INSTRUCTED IN THIS SPECIFICATION AND CONSTRUCTED FOLLOWING THE CITY OF SYDNEY COUNCIL REQUIREMENTS AND TO LANDCOM – MANAGING URBAN STORMWATER: SOIL AND CONSTRUCTION, 4th EDITION, MAR 2004.
- A3. REFER GEOTECHNICAL REPORT FOR EARTHWORKS AND PARAMETERS.
- A10. ALL CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE SITE VIA THE APPROVED CONSTRUCTION ENTRY/EXIT ROUTE.
- A11. ALL VEHICLES LEAVING THE SITE SHALL BE CLEANED AND INSPECTED BEFORE LEAVING.
- A12. MAINTAIN ALL STORMWATER PIPES AND PITS CLEAR OF DEBRIS AND SEDIMENT. INSPECT STORMWATER SYSTEM AND CLEAN OUT AFTER EACH STORM EVENT.
- A13. CLEAN OUT ALL EROSION AND SEDIMENT CONTROL DEVICES AFTER EACH STORM EVENT.
- A14. ALL DISTURBED AREAS SHALL BE REVEGETATED AS SOON AS THE RELEVANT WORKS HAVE BEEN COMPLETED.
- A15. KERB INLET SOCKS TO BE PROVIDED ON DOWNSTREAM PITS.

SITE MAINTENANCE NOTES:

- SM1. THE CONTRACTOR WILL INSPECT THE SITE AT LEAST WEEKLY AND AT THE CONCLUSION OF EVERY STORM EVENT TO:
- A) ENSURE THAT DRAINS OPERATE PROPERLY AND TO EFFECT AND NECESSARY REPAIRS.
- B) REMOVED SPILLED SAND OR OTHER MATERIALS FROM HAZARD AREAS, INCLUDING LANDS CLOSER THAN 5 METRES FROM AREAS OF LIKELY CONCENTRATED OR HIGH VELOCITY FLOWS ESPECIALLY WATERWAYS AND PAVED AREAS.
- C) REMOVED TRAPPED SEDIMENT WHENEVER THE DESIGN CAPACITY OF THAT STRUCTURES HAS BEEN EXCEEDED.
- D) ENSURE REHABILITATION LANDS HAVE EFFECTIVELY REDUCED THE EROSION HAZARD TO INITIATE UPGRADING OR REPAIR AS NECESSARY.
- E) CONSTRUCT ADDITIONAL EROSION AND OR SEDIMENT CONTROL WORKS AS MIGHT BECOME NECESSARY TO ENSURE THE DESIRED PROTECTION IS GIVEN TO DOWNSLOPE LANDS AND WATERWAYS. MAKE ONGOING CHANGES TO THE PLAN WHERE IT PROVES INADEQUATE IN PRACTICE OR IS SUBJECT TO CHANGES IN CONDITIONS ON THE WORK-SITE OR ELSEWHERE IN THE CATCHMENT.
- F) MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES IN A FULLY FUNCTIONING CONDITION UNTIL ALL EARTHWORK ACTIVITIES ARE COMPLETED AND THE SITE IS REHABILITATED.
- G) FILL IN AND COMPACT ALL TRENCHES IMMEDIATELY AFTER SERVICES HAVE BEEN LAID.
- SM2. THE CONTRACTOR WILL KEEP A LOGBOOK MAKING ENTRIES AT LEAST WEEKLY, IMMEDIATELY BEFORE FORECAST RAIN AND AFTER RAINFALL. ENTRIES WILL INCLUDE:
- A) THE VOLUME AND INTENSITY OF ANY RAINFALL EVENTS.
- B) THE CONDITION OF ANY SOIL AND WATER MANAGEMENT WORKS.
- C) THE CONDITION OF VEGETATION AND ANY NEED TO IRRIGATE.
- D) THE NEED FOR DUST PREVENTION STRATEGIES
- THE LOGBOOK WILL BE KEPT ON-SITE AND MADE AVAILABLE TO ANY AUTHORISED PERSON UPON REQUEST. IT WILL BE GIVEN TO THE PROJECT MANAGER AT THE CONCLUSION OF THE WORKS.

SEDIMENT CONTROL NOTES:

- SC1. SEDIMENT FENCES WILL BE INSTALLED AS SHOWN ON THE PLAN AND ELSEWHERE AT THE DISCRETION OF THE SITE CONTRACTOR TO CONTAIN SOIL AS NEAR AS POSSIBLE TO THEIR SOURCE.
- SC2. SEDIMENT FENCES WILL NOT HAVE CATCHMENT AREAS EXCEEDING 900 SQUARE METRES AND HAVE A STORAGE DEPTH OF AT LEAST 0.6 METRES.
- SC3. SEDIMENT FENCES SHOULD LAST FOR UP TO SIX MONTHS BUT REQUIRE REGULAR MAINTENANCE AND WEEKLY CHECKS. IT MUST REMAIN VERTICAL AND KEYED INTO THE SOIL. DAMAGED FENCES MUST BE REPAIRED PROMPTLY.
- SC4. SEDIMENT FENCES NEED TO BE TRENCHED IN AT LEAST 150mm AND BURIED SO THE WATER FLOWS THROUGH AND NOT UNDERNEATH.
- SC5. SEDIMENT REMOVED FROM ANY TRAPPING DEVICES WILL BE RELOCATED WHERE FURTHER POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS CANNOT OCCUR.
- SC6. STOCKPILES ARE NOT TO BE LOCATED WITHIN 5 METERS OF HAZARD AREAS INCLUDING AREAS OF HIGH VELOCITY FLOWS SUCH AS WATERWAYS, PAVED AREAS AND DRIVEWAYS.
- SC7. WATER WILL BE PREVENTED FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR WATER HAS BEEN TREATED BY AN APPROVED DEVICE.
- SC8. TEMPORARY SEDIMENT TRAPS WILL REMAIN IN PLACE UNTIL AFTER THE LANDS THEY ARE PROTECTING ARE COMPLETELY REHABILITATED.
- SC9. ACCESS TO SITES SHOULD BE STABILIZED TO REDUCE THE LIKELIHOOD OF VEHICLES TRACKING SOIL MATERIALS ONTO PUBLIC ROADS AND ENSURE ALL-WEATHER ENTRY/EXIT.

LAND DISTURBANCE NOTES:

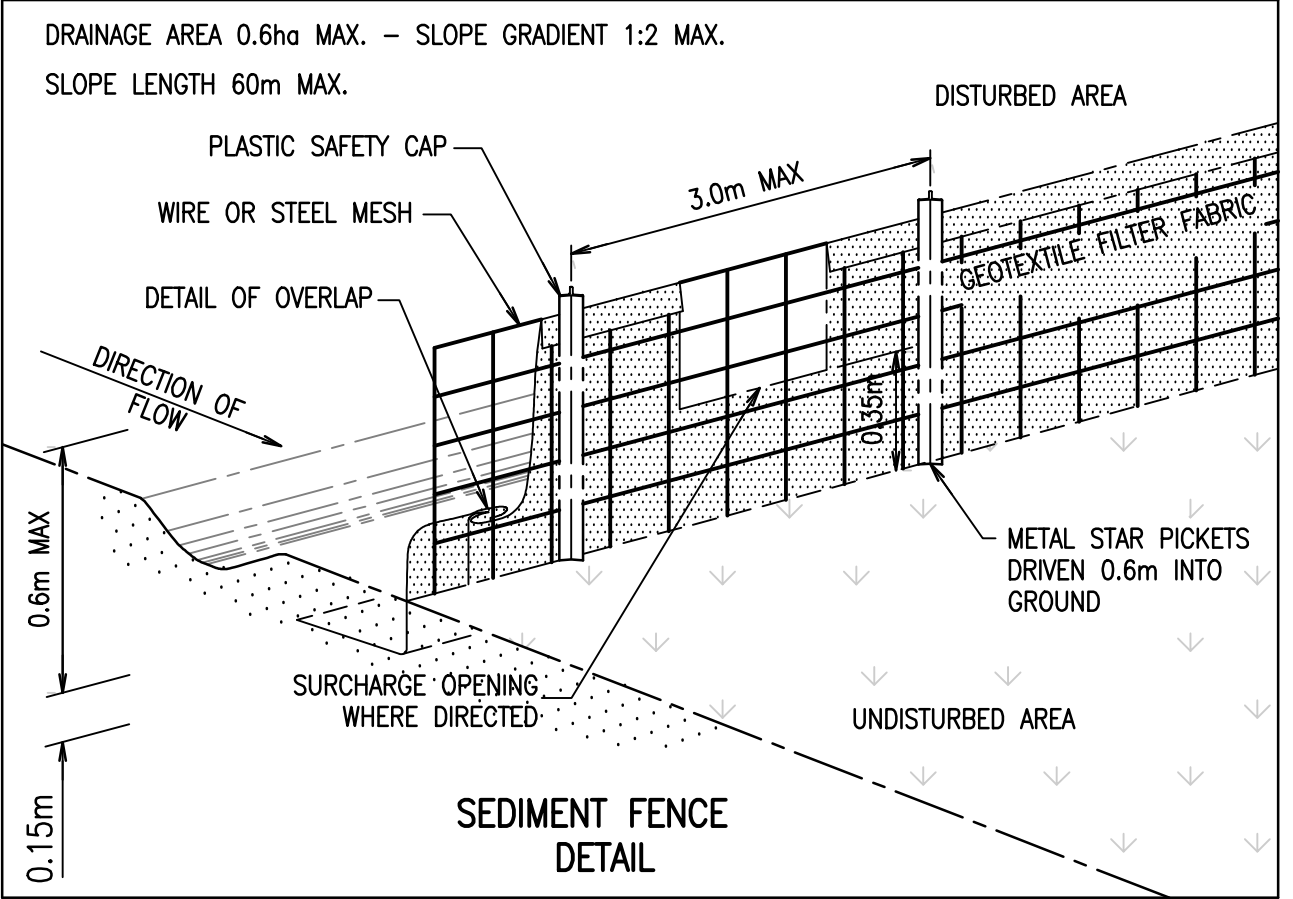
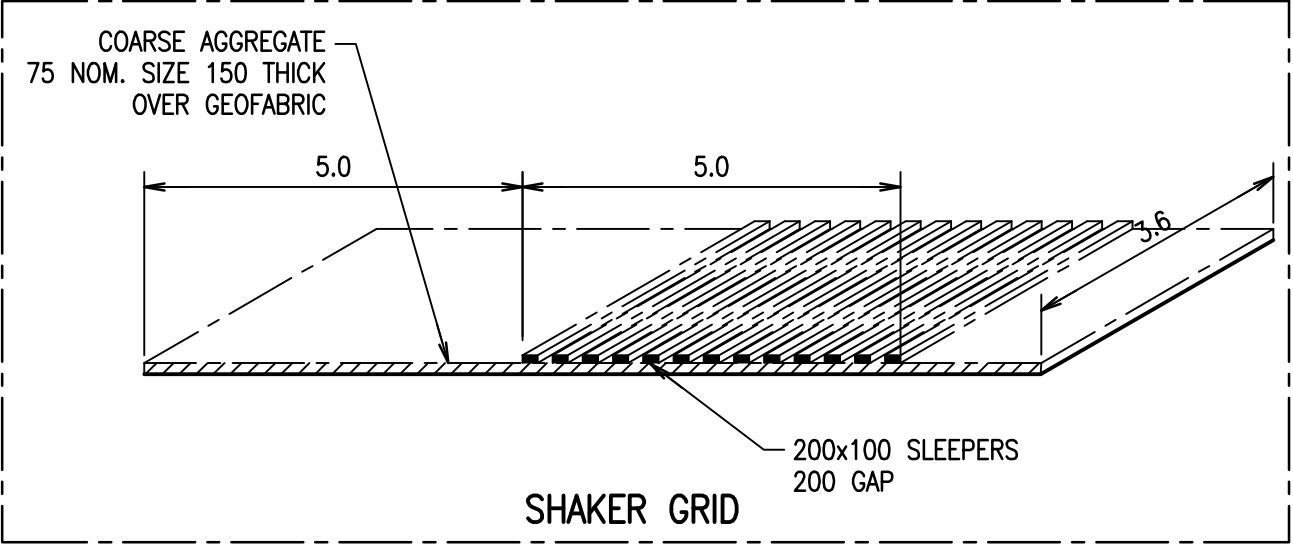
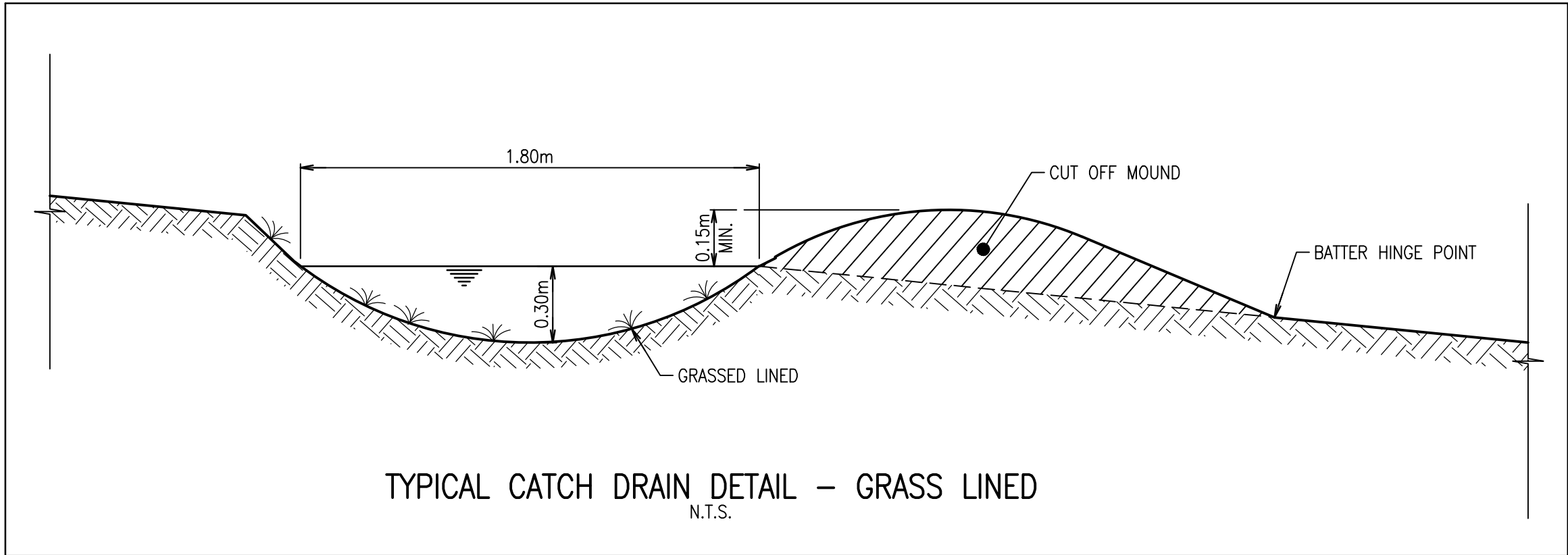
- LD1. ACCESS AREAS ARE TO BE LIMITED TO A MAXIMUM WIDTH OF 10 METERS THE SITE MANAGER WILL DETERMINE AND MARK THE LOCATION OF THESE ZONES ON-SITE. ALL SITE WORKERS WILL CLEARLY RECOGNIZE THOSE BOUNDARIES THAT, WHERE APPROPRIATE, ARE IDENTIFIED WITH A BARRIER FENCING (UPSLOPE) AND SEDIMENT FENCING (DOWNSLOPE) OR SIMILAR MATERIALS.
- LD2. ENTRY TO LANDS NOT REQUIRED FOR CONSTRUCTION OR ACCESS IS PROHIBITED EXCEPT FOR ESSENTIAL THINNING OF PLANT GROWTH.
- LD3. WORKS ARE TO PROCEED IN THE FOLLOWING SEQUENCE:
- A) INSTALL ALL BARRIER AND SEDIMENT FENCING WHERE SHOWN ON THE PLAN.
- B) CONSTRUCT THE STABILISED SITE ACCESS.
- C) CONSTRUCT DIVERSION DRAINS AS REQUIRED.
- D) INSTALL MESH AND GRAVEL INLETS FOR ANY ADJACENT KERB INLETS.
- E) INSTALL GEOTEXTILE INLET FILTERS AROUND ANY ON-SITE DROP INLET PITS.
- F) CLEAR SITE AND STRIP AND STOCKPILE TOPSOIL IN LOCATIONS SHOWN ON THE PLAN.
- G) UNDERTAKE ALL ESSENTIAL CONSTRUCTION WORKS ENSURING THAT ROOF AND/OR PAVED AREA STORMWATER SYSTEMS ARE CONNECTED TO PERMANENT DRAINAGE AS SOON AS PRACTICABLE.
- H) GRADE LOT AREAS TO FINAL GRADES AND APPLY PERMANENT STABILISATION (LANDSCAPING) WITHIN 20 DAYS OF COMPLETION OF CONSTRUCTION WORKS.
- I) REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER THE PERMANENT LANDSCAPING HAS BEEN COMPLETED.
- LD4. ENSURE THAT SLOPE LENGTHS DO NOT EXCEED 80 METRES WHERE PRACTICABLE. SLOPE LENGTHS ARE DETERMINED BY SILTATION FENCING AND CATCH DRAIN SPACING.

SOIL EROSION CONTROL NOTES:

- SE1. EARTH BATTERS WILL BE CONSTRUCTED WITH AS LOW A GRADIENT AS PRACTICABLE BUT NO STEEPER, UNLESS OTHERWISE NOTES, THAN THAT RECOMMENDED BY GEOTECHNICAL REPORT.
- SE2. ALL WATERWAYS, DRAINS, SPILLWAYS AND THEIR OUTLETS WILL BE CONSTRUCTED TO BE STABLE IN AT LEAST THE 1:20 YEAR ARI, TIME OF CONCENTRATION STORM EVENT.
- SE3. WATERWAYS AND OTHER AREAS SUBJECT TO CONCENTRATED FLOWS AFTER CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND COVER C-FACTOR OF 0.05 (70% GROUND COVER) WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION. FOOT AND VEHICULAR TRAFFIC WILL BE PROHIBITED IN THESE AREAS.
- SE4. STOCKPILES AFTER CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND-COVER C-FACTOR OF 0.1% (60% GROUND-COVER) WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION.
- SE5. ALL LANDS, INCLUDING WATERWAYS AND STOCKPILES DURING CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND COVER C-FACTOR OF 0.15 (50% GROUND COVER) WITHIN 20 WORKING DAYS FROM INACTIVITY EVEN THOUGH WORKS MAY CONTINUE LATER.
- SE6. PERMANENT REHABILITATION OF LANDS AFTER CONSTRUCTION WILL ACHIEVE A GROUND-COVER C-FACTOR OF LESS THAN 0.1 AND LESS THAN 0.05 WITHIN 60 DAYS. NEWLY PLANTED LANDS WILL BE WATERED REGULARLY UNTIL AN EFFECTIVE COVER IS ESTABLISHED AND PLANTS ARE GROWING VIGOROUSLY. FOLLOW-UP SEED AND FERTILISER WILL BE APPLIED AS NECESSARY.

WASTE CONTROL NOTES:

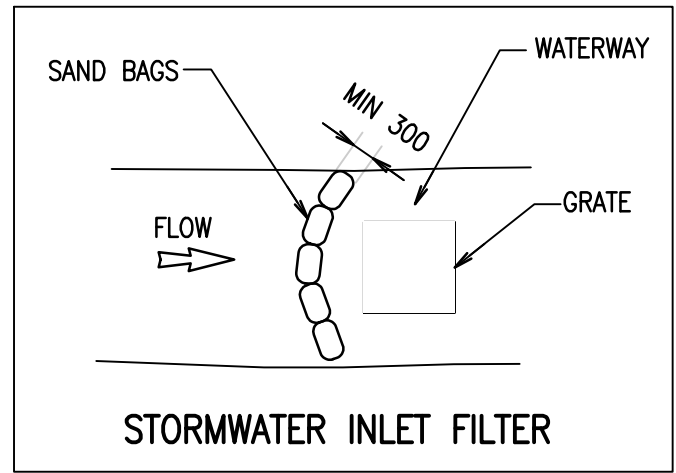
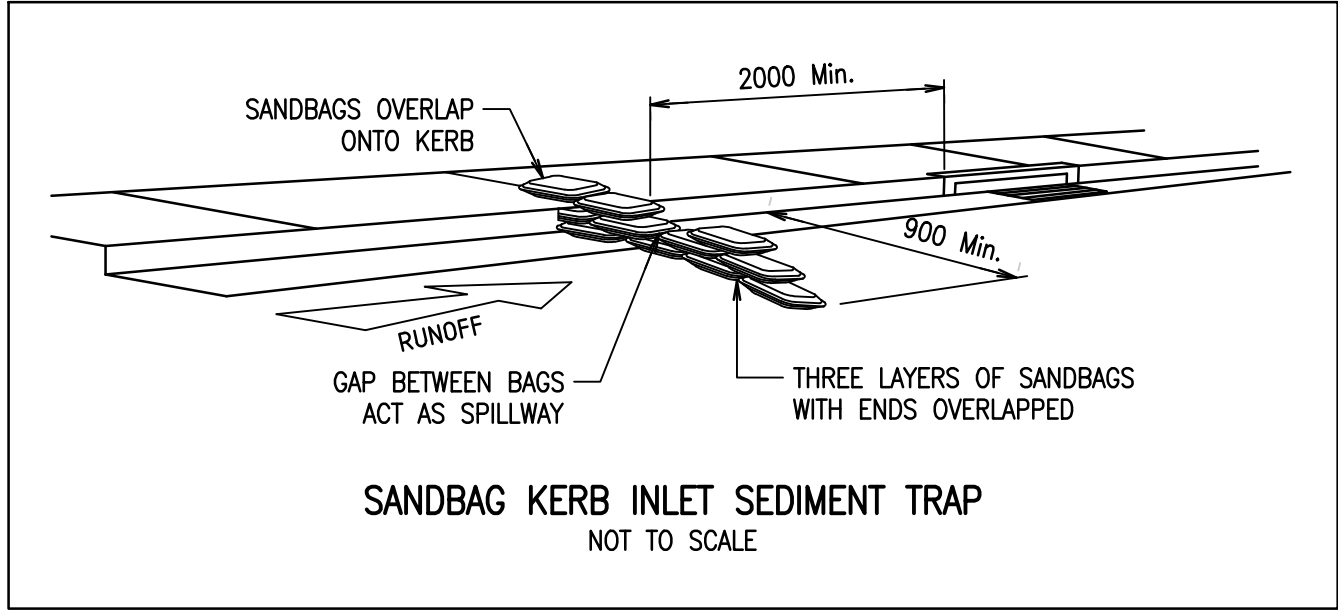
- WC1. ACCEPTABLE BINS WILL BE PROVIDED FOR ANY CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHING, LIGHTWEIGHT WASTE MATERIALS AND LITTER. CLEARANCE SERVICES WILL BE PROVIDED AT LEAST WEEKLY. DISPOSAL OF WASTE WILL BE IN A MANNER APPROVED BY THE SITE CONTRACTOR.
- WC2. ALL POSSIBLE POLLUTANT MATERIALS ARE TO BE STORED WELL CLEAR OF ANY POORLY DRAINED AREAS, FLOW PRONE AREAS, STREAMBANKS, CHANNELS AND STORMWATER DRAINAGE AREAS. STORE SUCH MATERIALS IN A DESIGNATED AREA UNDER COVER WHERE POSSIBLE AND WITHIN CONTAINMENT BUNDS.
- WC3. ALL SITE STAFF AD SUBCONTRACTORS ARE TO BE INFORMED OF THEIR OBLIGATION TO USE WASTE CONTROL FACILITIES PROVIDED.
- WC4. ANY DE-WATERING ACTIVITIES ARE TO BE CLOSELY MONITORED TO ENSURE THAT WATER IS NOT POLLUTED BY SEDIMENT, TOXIC MATERIALS OR PETROLEUM PRODUCTS.
- WC5. PROVIDE DESIGNATED VEHICULAR WASHDOWN AND MAINTENANCE AREAS WHICH ARE TO HAVE CONTAINMENT BUNDS.



INSTALLATION

1. EXCAVATE A TRENCH AT LEAST 150mm DEEP.
2. DRIVE POSTS 500-600mm INTO GROUND AT A MAXIMUM SPACING OF 3.0m CENTRES.
3. PLACE AND FIX SUPPORT MESH (F52) TO POST.
4. LAY BIDIM GEOFABRIC (SF 2000) AGAINST THE SUPPORT MESH AND FIX BY TIE WIRE, STAPLES OR HOG RINGS.
5. PLACE BIDIM IN TRENCH AND BACKFILL WITH SOIL.
6. SOIL ON BOTH SIDES OF THE FENCE MUST BE COMPACTED TO AVOID SEEPAGE UNDER THE BARRIER.

NOTE:
POSITION OF SEDIMENT FENCE AS DIRECTED BY MANAGING CONTRACTOR. FENCE TO REMAIN IN PLACE UNTIL EXCAVATION IS BELOW FOOTPATH LEVEL. PROVIDE 2mx2m TURFED AREA ON DOWNSTREAM SIDE OF FENCE AT SURCHARGE OPENINGS, TO BE CONFIRMED BY CONTRACTOR ON SITE.



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27.11.23
Scale at A1
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Designer
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Design Checker

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C.WAIT

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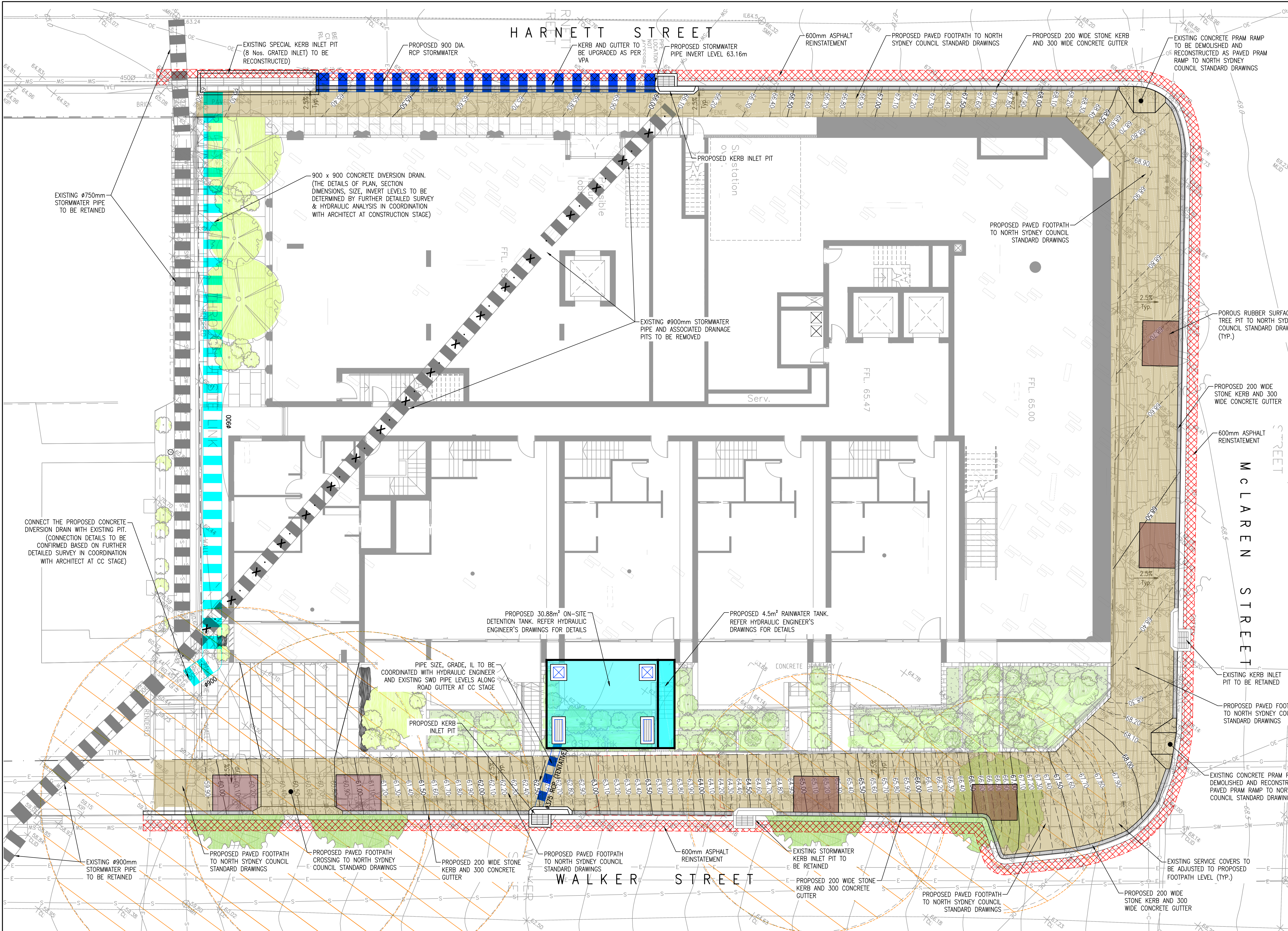
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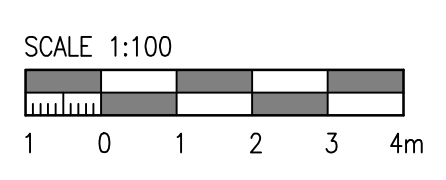
03



LEGEND

- PROPOSED PAVED FOOTPATH
- PROPOSED 200 WIDE STONE KERB AND 300 WIDE CONCRETE GUTTER
- 600 WIDE ASPHALT REINSTATEMENT
- PROPOSED VEHICLE CROSSING
- EXISTING STORMWATER KERB INLET PIT
- PROPOSED STORMWATER JUNCTION PIT
- PROPOSED KERB INLET PIT
- PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER DRAINAGE TO BE DESIGNED BY HYDRAULIC ENGINEER
- PROPOSED CONTOUR (MAJOR)
- PROPOSED CONTOUR (MINOR)
- POROUS RUBBER SURFACE TREE PIT

- NOTES**
1. PROPOSED STORMWATER DRAINAGE IS DESIGNED FOR 5% AEP STORM EVENTS.
 2. PROPOSED OVERLAND FLOW PATHS ARE DESIGNED FOR 1% AEP STORMWATER EVENTS.
 3. REFER IGS HYDRAULIC DOCUMENTATIONS FOR ON-SITE DETENTION TANK AND HYDRAULIC STORMWATER DESIGN DETAILS.



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GENERAL ARRANGEMENT PLAN

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**45 MCLAREN STREET
NORTH SYDNEY**

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Designer
H.SHAH

Design Checker
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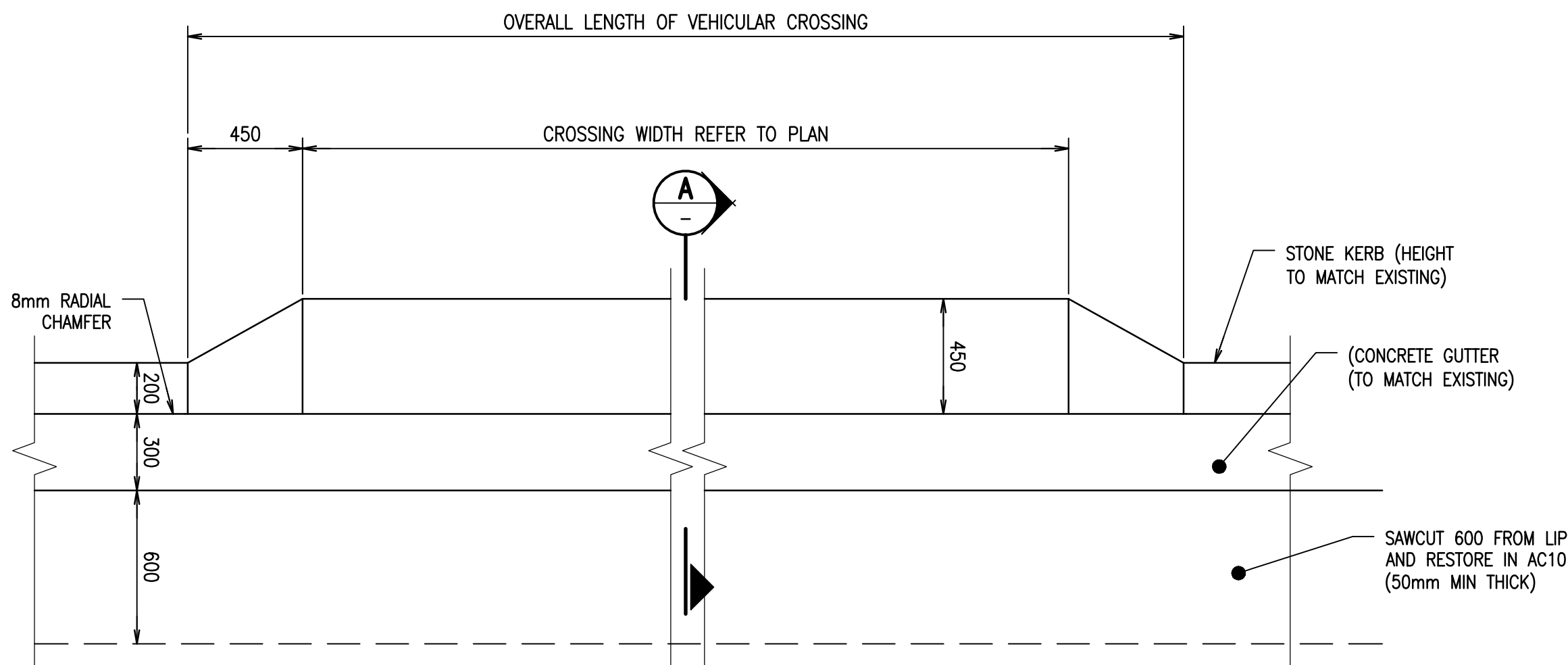
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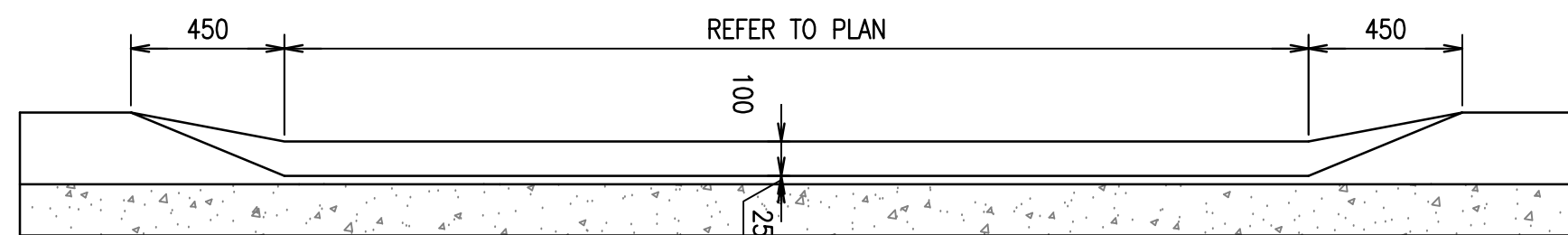
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22593-RBG-XX-XX-DR-CV-83001

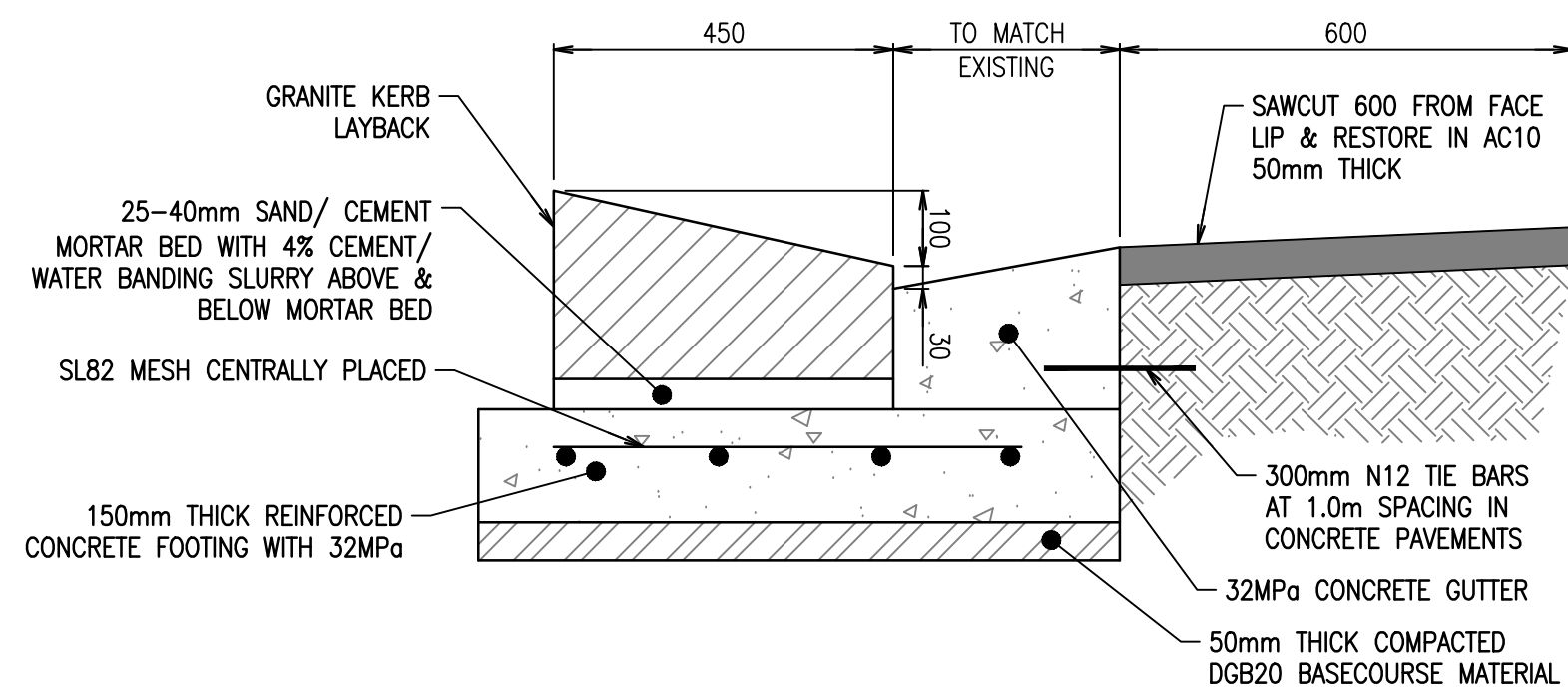
Revision
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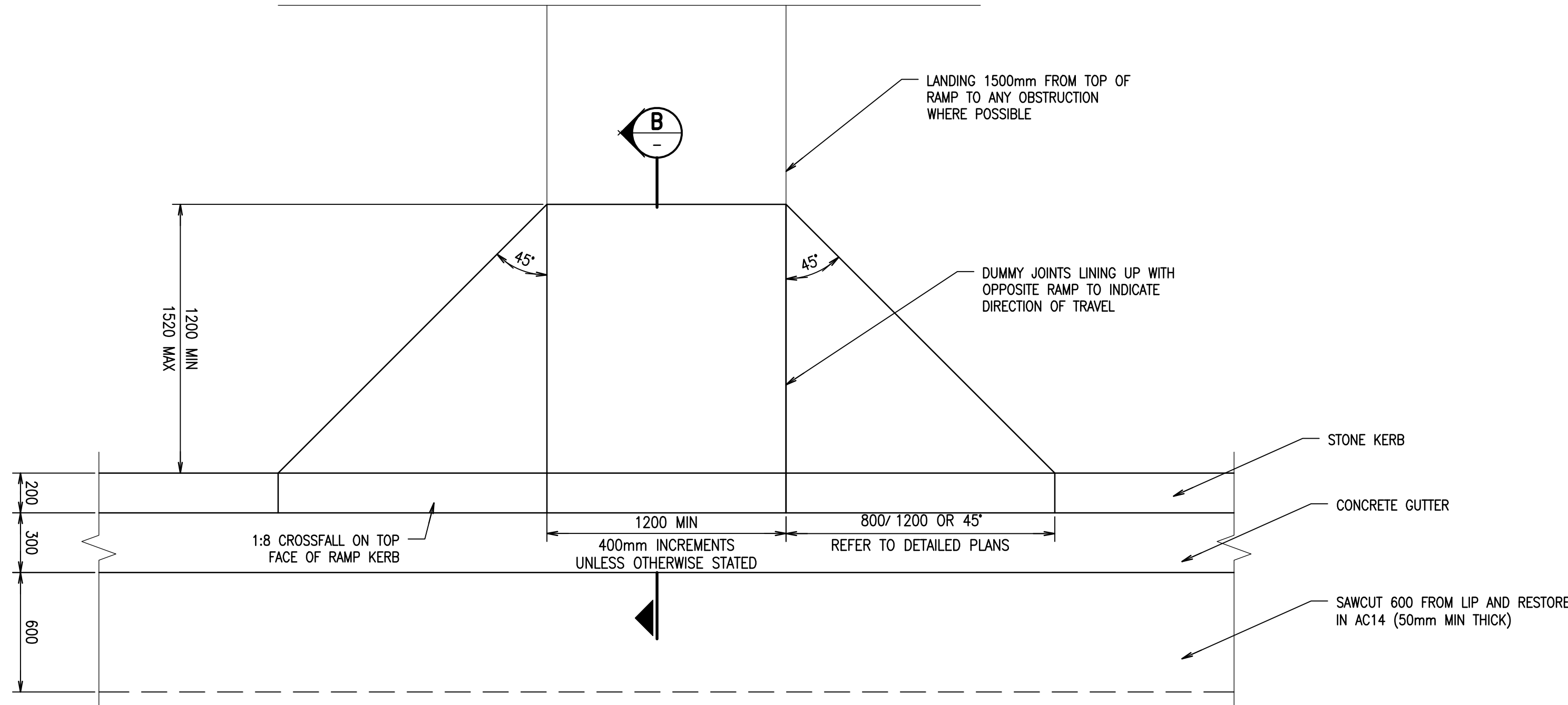
VEHICULAR CROSSING PLAN
SCALE 1:20



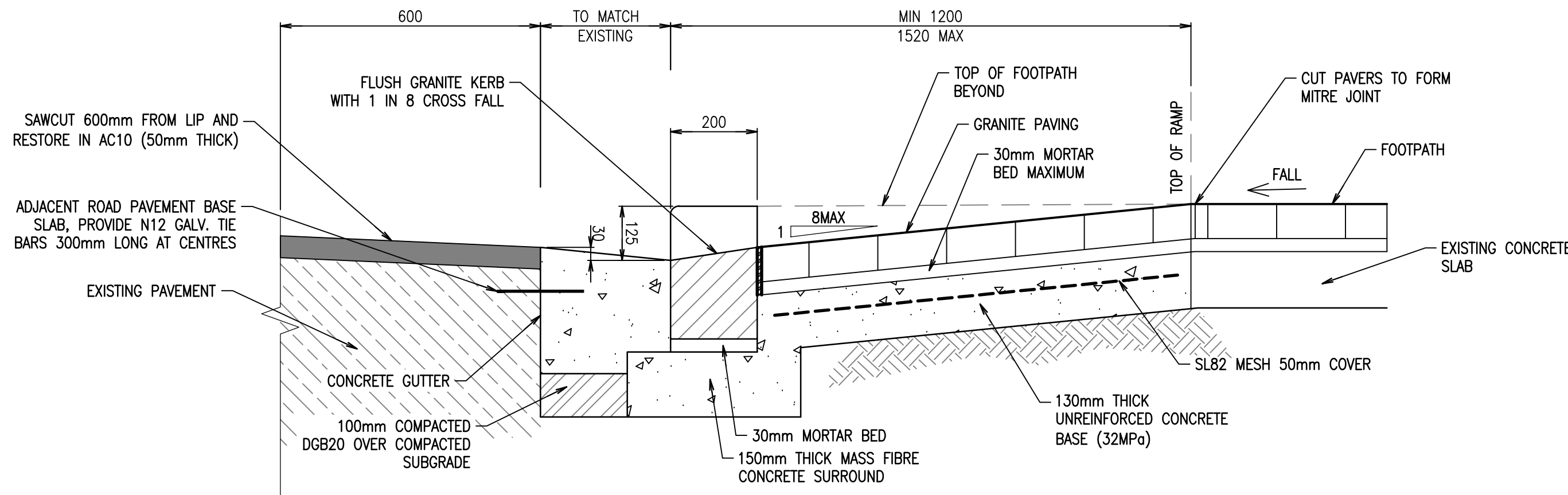
ELEVATION AT KERB FACE
SCALE 1:20



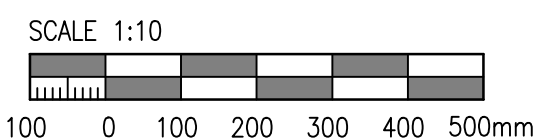
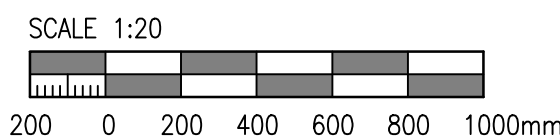
VEHICLE CROSSING SECTION
SCALE 1:10



KERB RAMP
SCALE 1:20



KERB RAMP SECTION
SCALE 1:10



Rev	Revision Description	By	App	Date
1	ISSUED FOR DEVELOPMENT APPLICATION	CH	OW	10.5.23
2	ISSUED FOR 30% DESIGN	OR	OW	27.11.23
3	ISSUED FOR DA	HS	OW	26.02.24

Rev	Revision Description	By	App	Date
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Scale 1:1 2:1 3:1 4:1 5:1 6:1 7:1 8:1

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Client

CASA

Title
CIVIL DETAILS SHEET 1

Project
**45 MCLAREN STREET
NORTH SYDNEY**

Date
13.07.22
Scale at A1
AS SHOWN

Drawn
MARELLANO
Designer
H.SHAH

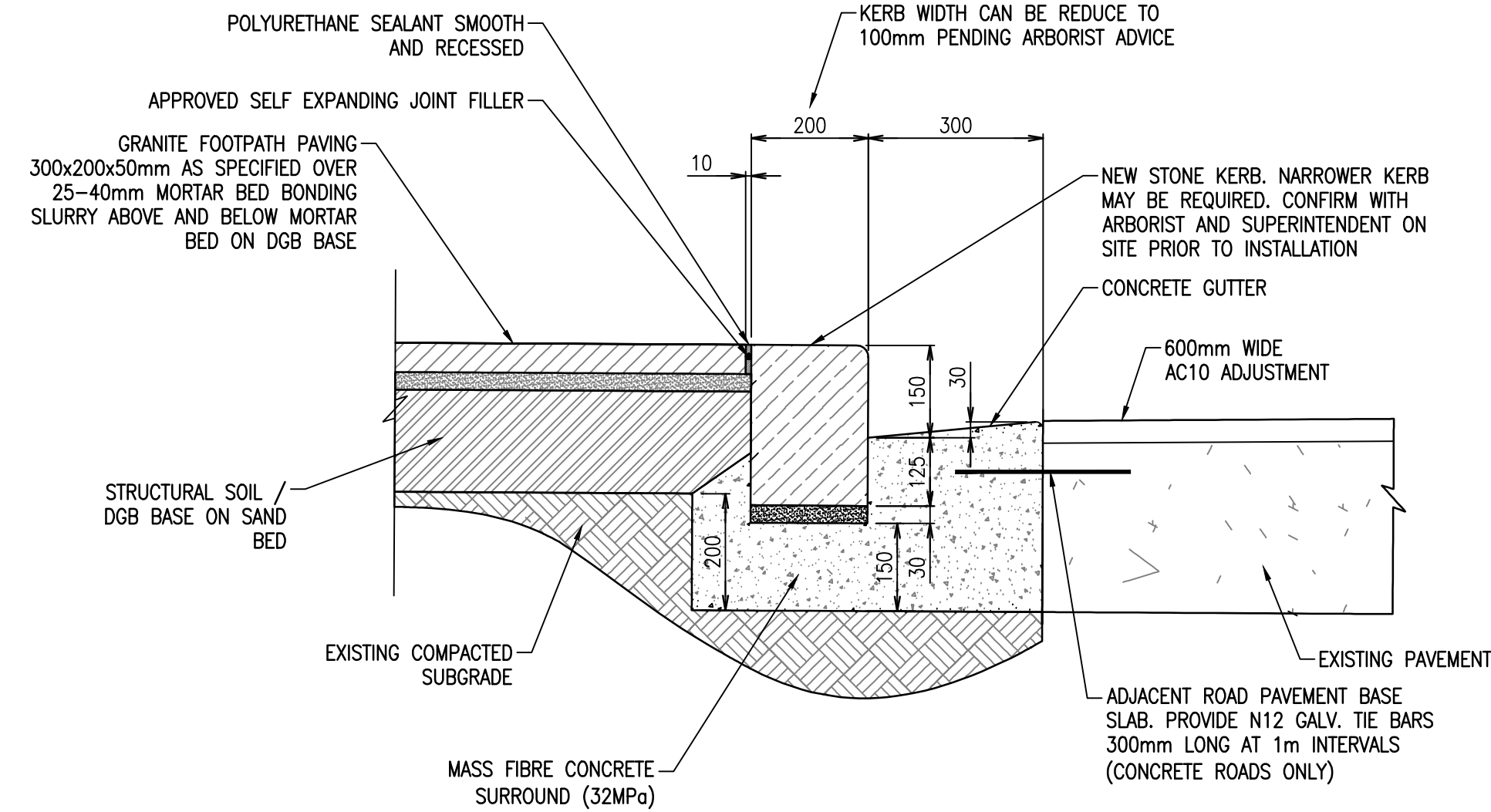
Design Checker
H.SHAH
Approved
C.WAITE

22593

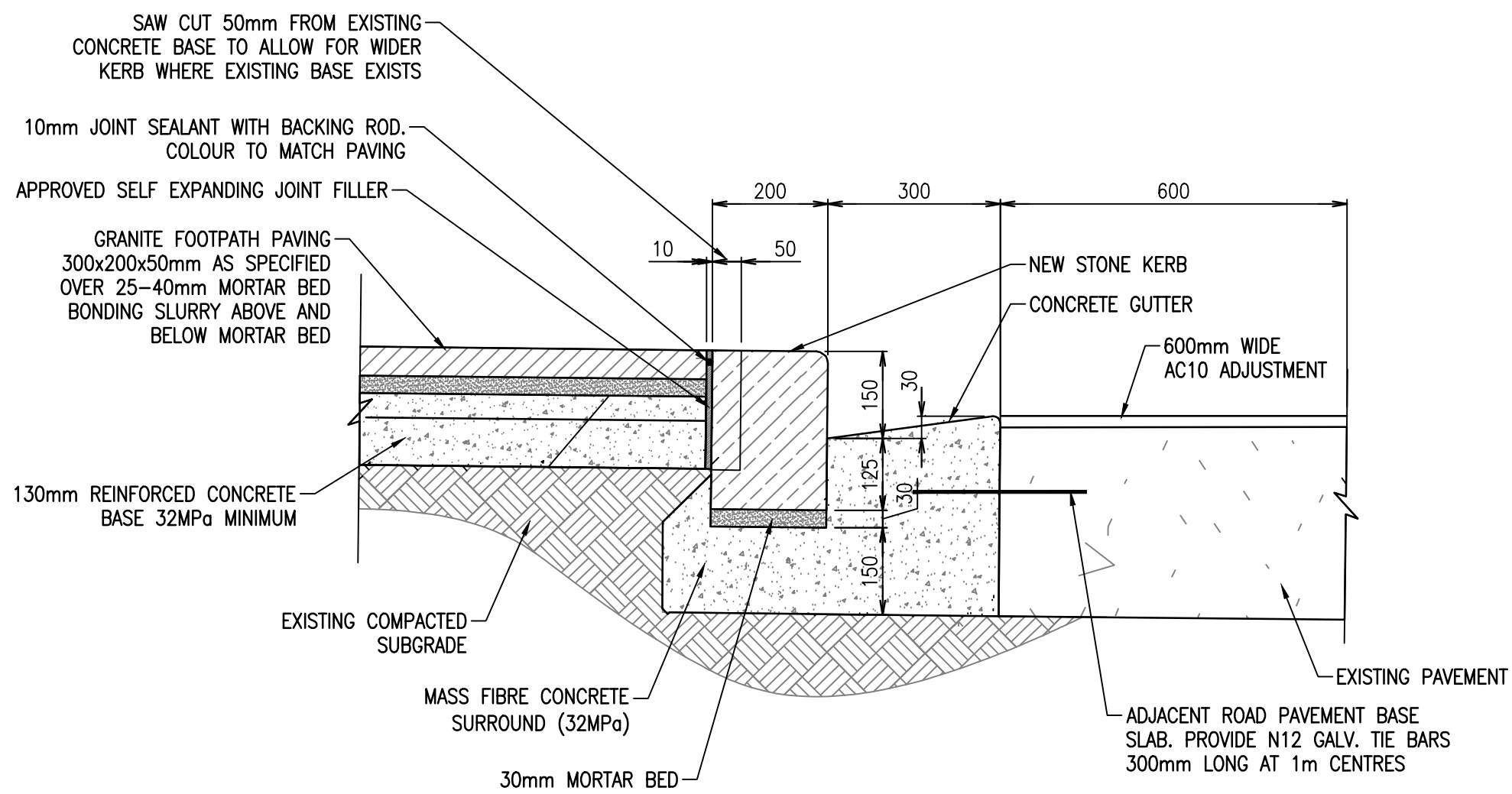
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Drawing Number
22593-RBG-XX-XX-DR-CV-83101

Revision
03

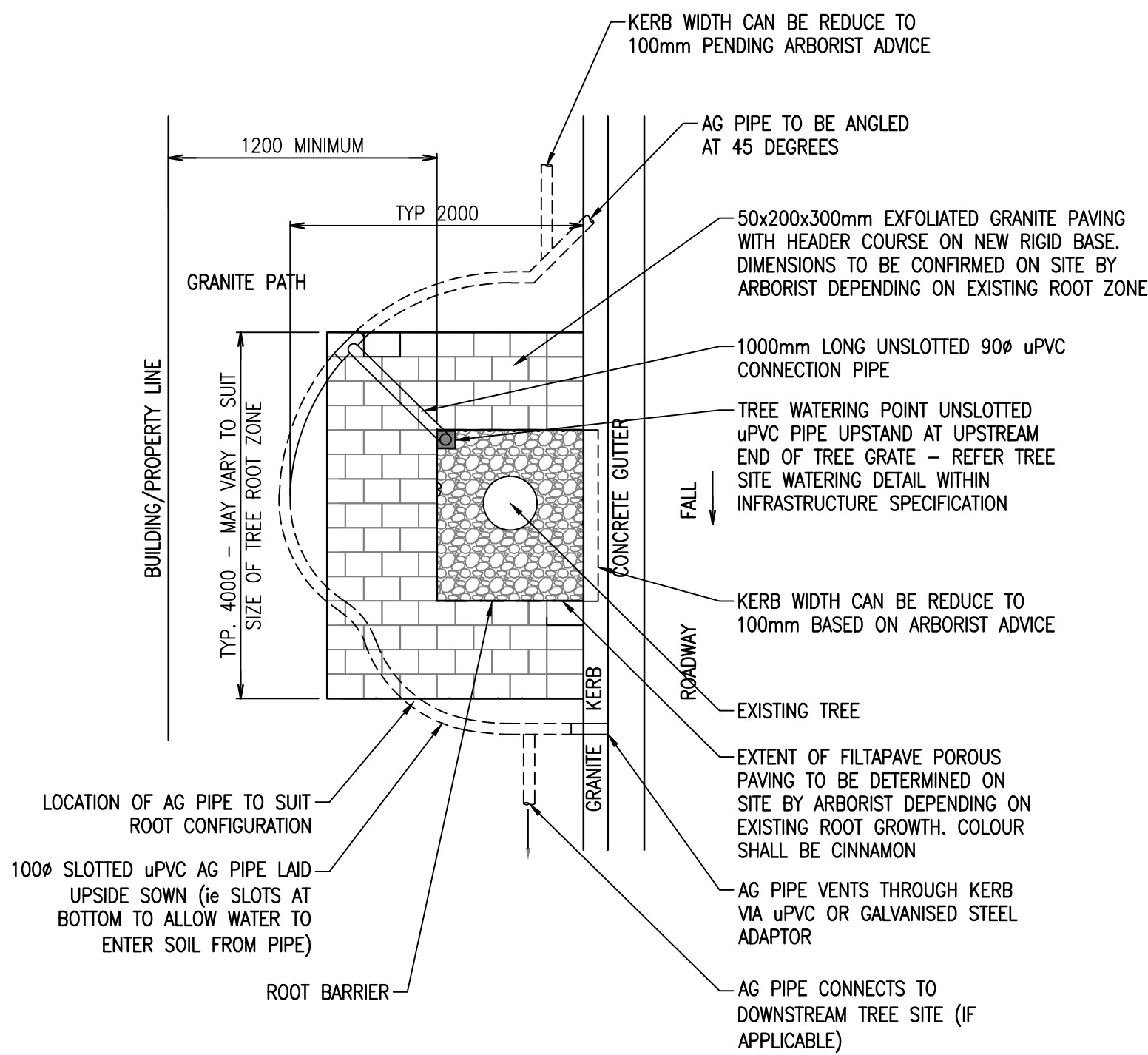


GRANITE STONE KERB AND CONCRETE GUTTER ADJACENT TO TREE PIT
SCALE NTS

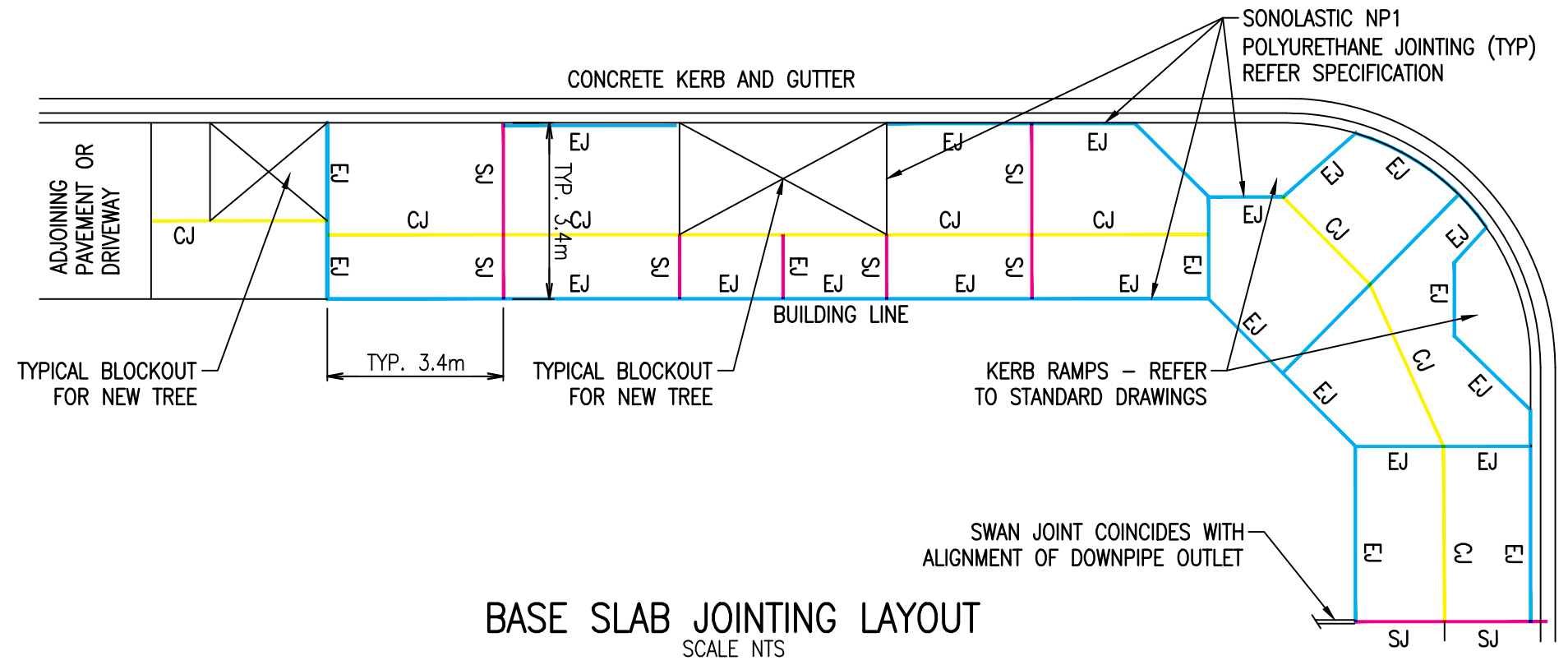


TYPICAL GRANITE STONE KERB AND CONCRETE GUTTER ADJACENT TO GRANITE FOOTPATH
SCALE NTS

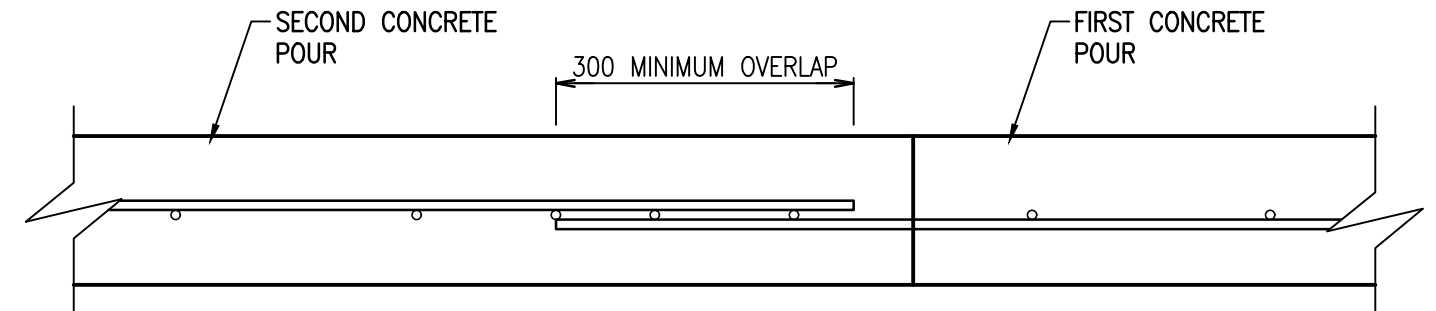
- NOTES:**
- SUBGRADE: COMPACTED SUBGRADE AS SHOWN.
 - BASECOURSE: CONCRETE BASE AS SHOWN.
 - AC10mm ADJUSTMENT: PROVIDE 600mm WIDE AC10 CONCRETE COURSE LAYER 50mm THICK AS SHOWN.
 - GRANITE KERB: "BRUCE" ROCK GRANITE (AUSTRAL COFFEE). TOP FACE ONLY TO HAVE EXFOLIATED FINISH. FRONT FACE IS TO HAVE SWAN FINISH.



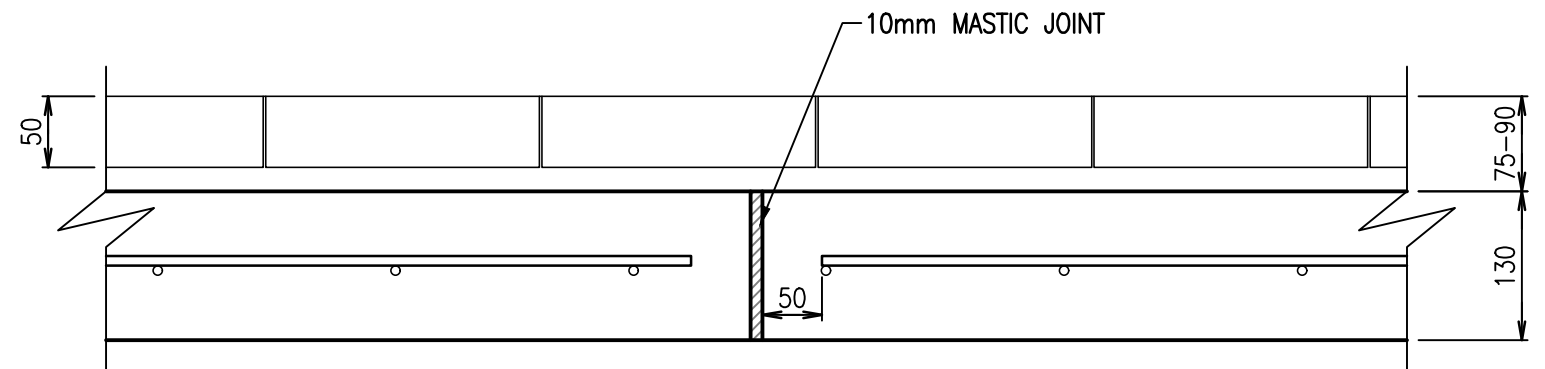
TYPICAL EXISTING CBD TREE SITE POROUS RUBBER SURROUND
SCALE NTS



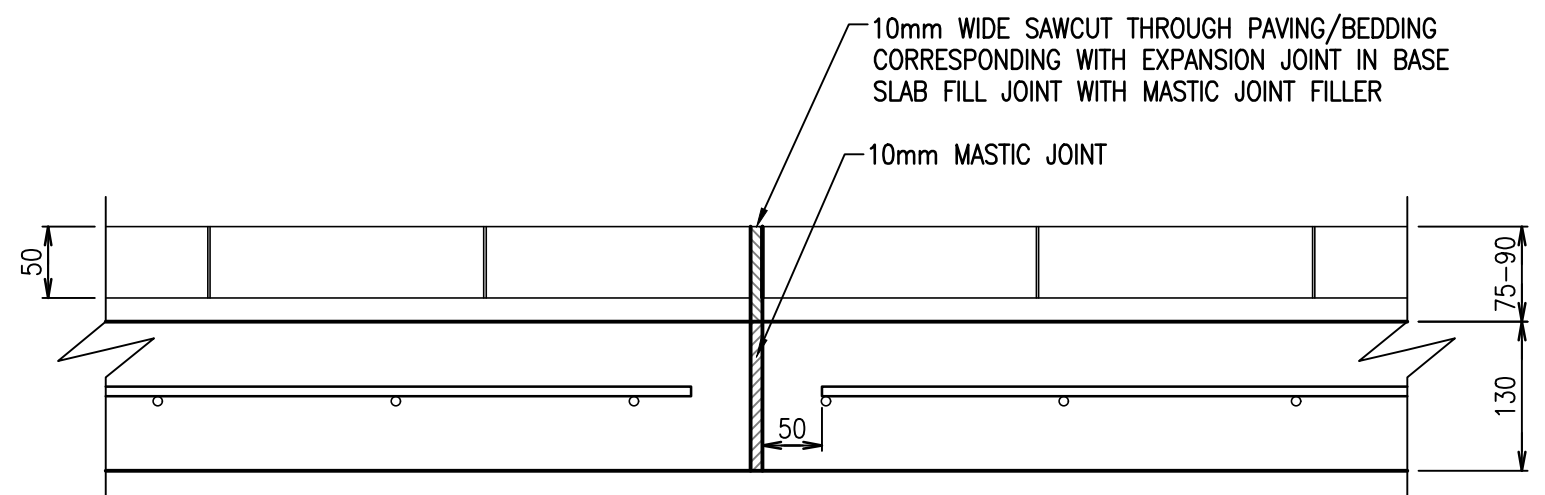
BASE SLAB JOINTING LAYOUT
SCALE NTS



CONSTRUCTION JOINT DETAIL (CJ) ■
SCALE NTS



SAWN JOINT DETAIL – GRANITE PAVEMENT (Sj) ■
SCALE NTS



EXPANSION JOINT DETAIL – GRANITE PAVEMENT (Ej) ■
SCALE NTS

- NOTES:**
- BASE SLAB SHALL BE 130mm CONCRETE SLAB (F_c=32 MPa) REINFORCED WITH SL82 WITH 65mm TOP COVER; NOVOMESH 950 DOSED AT RATE OF 5.75kg/m³ OR APPROVED EQUIVALENT PRODUCT.
 - THE MAXIMUM ASPECT RATIO OF SLAB IS LENGTH:WIDTH 2:1 WITH A MAXIMUM DIMENSION OF 4m IN ANY DIRECTION.

SCALE 1:20
200 0 200 400 600 800 1000mm

SCALE 1:10
100 0 100 200 300 400 500mm

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2	ISSUED FOR DA	HS	OW	26.02.24

Rev	Revision Description	By	App	Date
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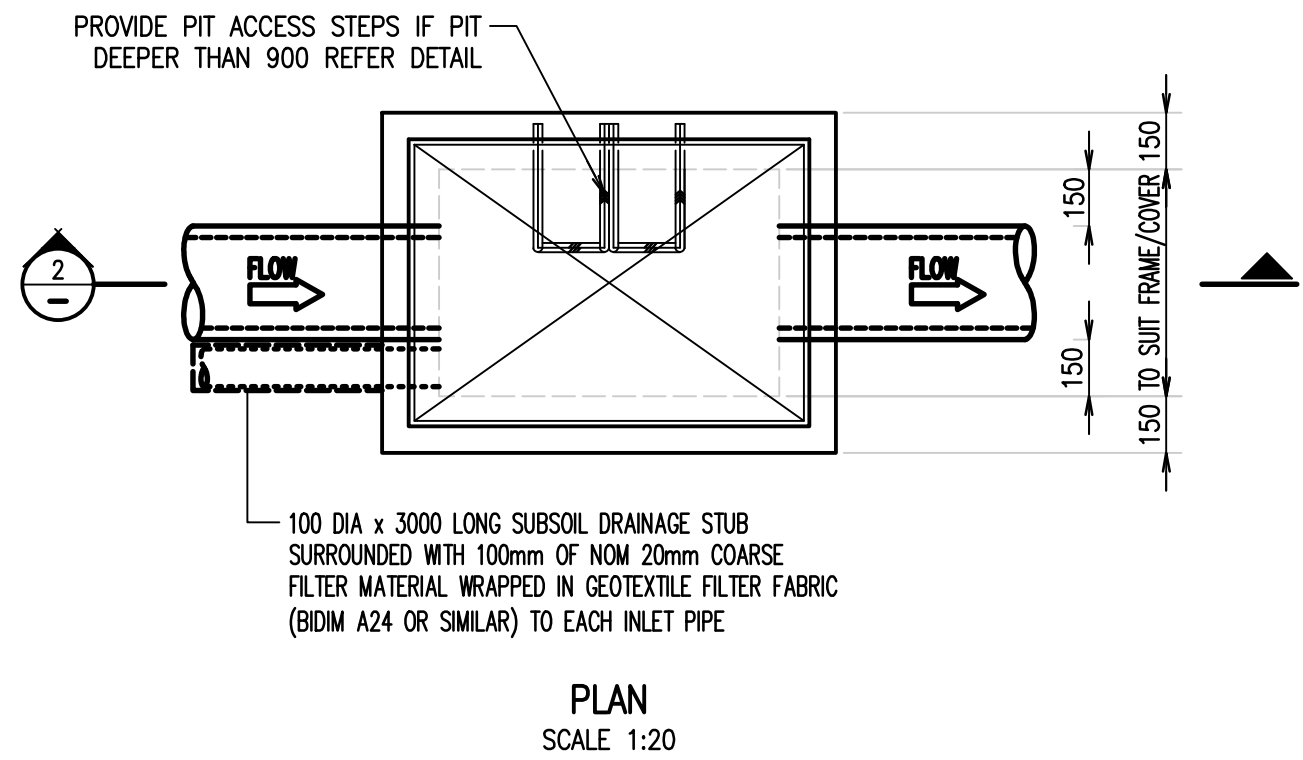
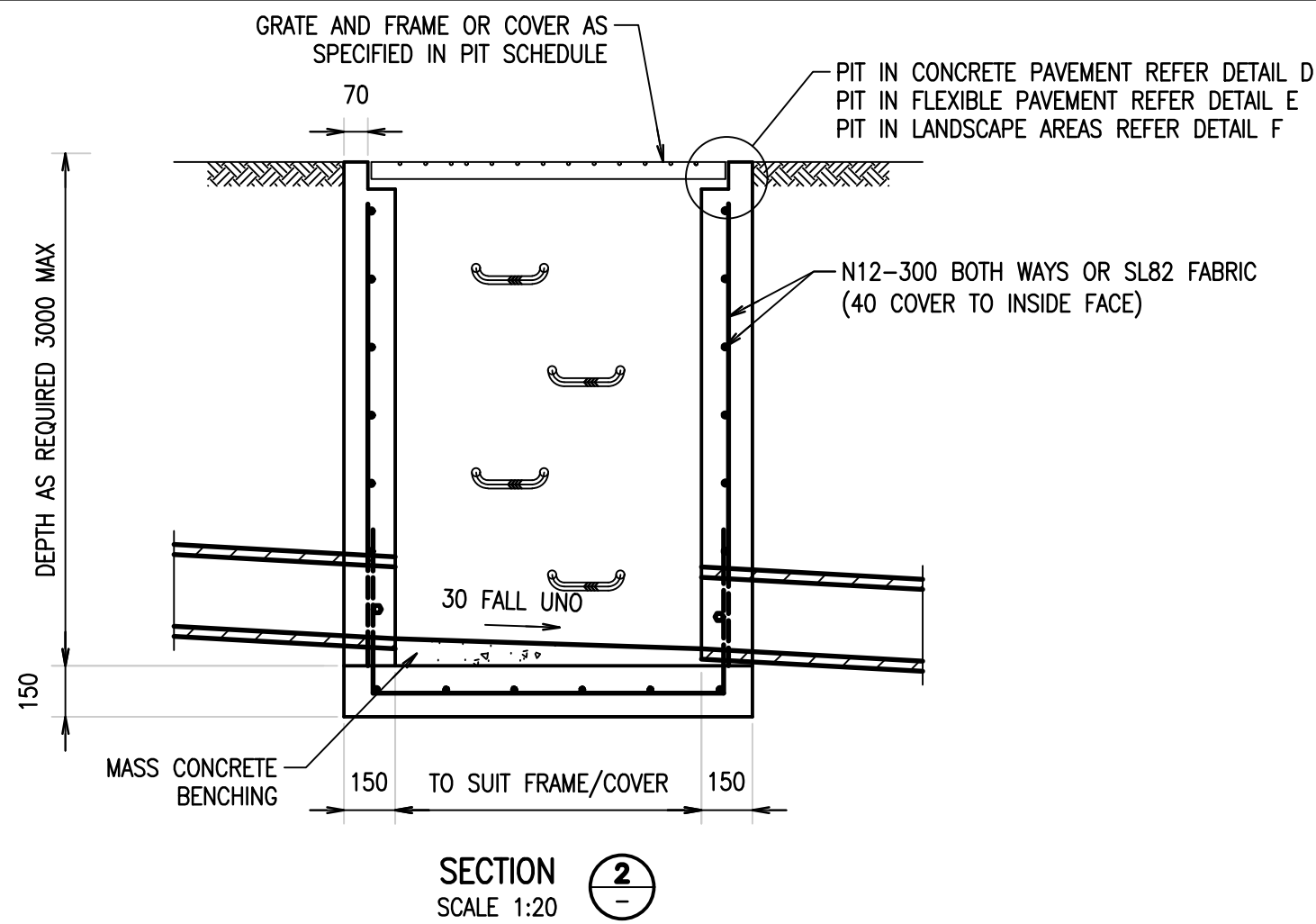
Scale 1:1 2:1 3:1 4:1 5:1 6:1 7:1 8:1
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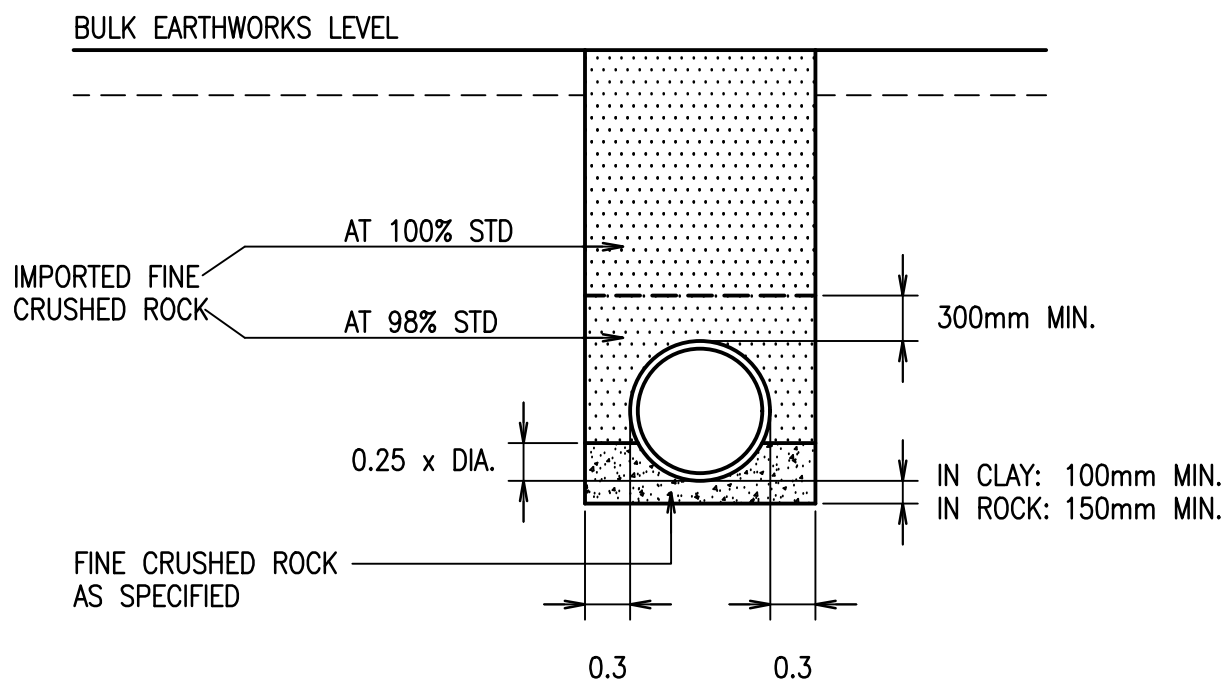
CASA

Title
CIVIL DETAILS SHEET 2
Project
**45 MCLAREN STREET
NORTH SYDNEY**

Date
13.07.22
Scale at A1
AS SHOWN
Drawn
MARELLANO
Designer
H.SHAHAKH
Design Checker
H.SHAHAKH
Approved
C.WAITE
22593
NOT FOR CONSTRUCTION
Drawing Number
22593-RBG-XX-XX-DR-CV-83102
Revision
02

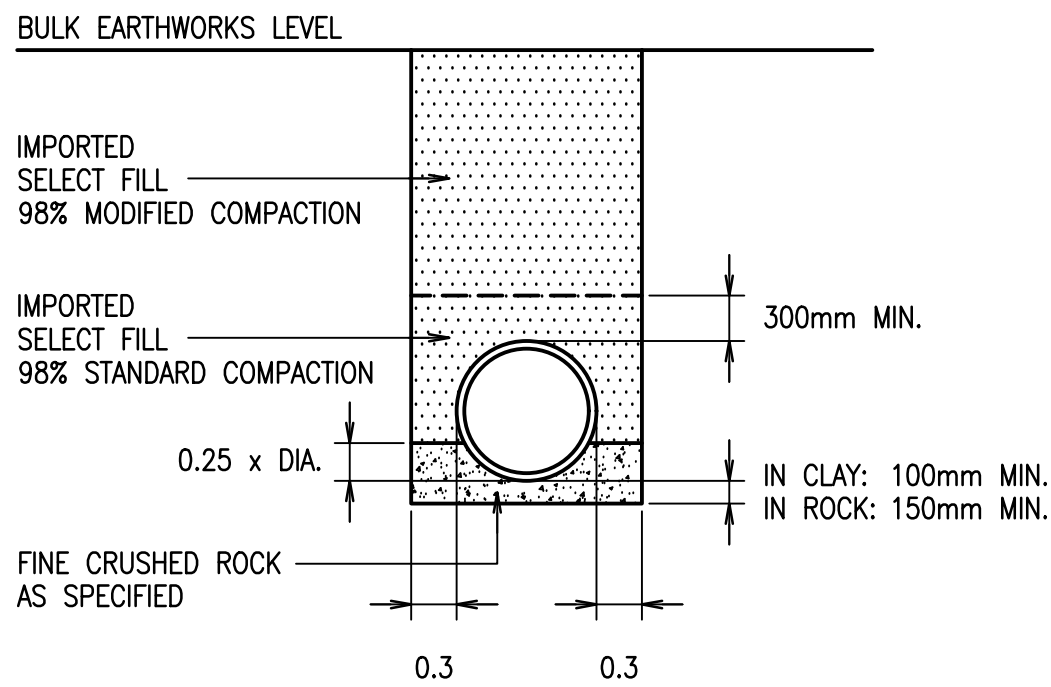


JUNCTION PIT DETAIL



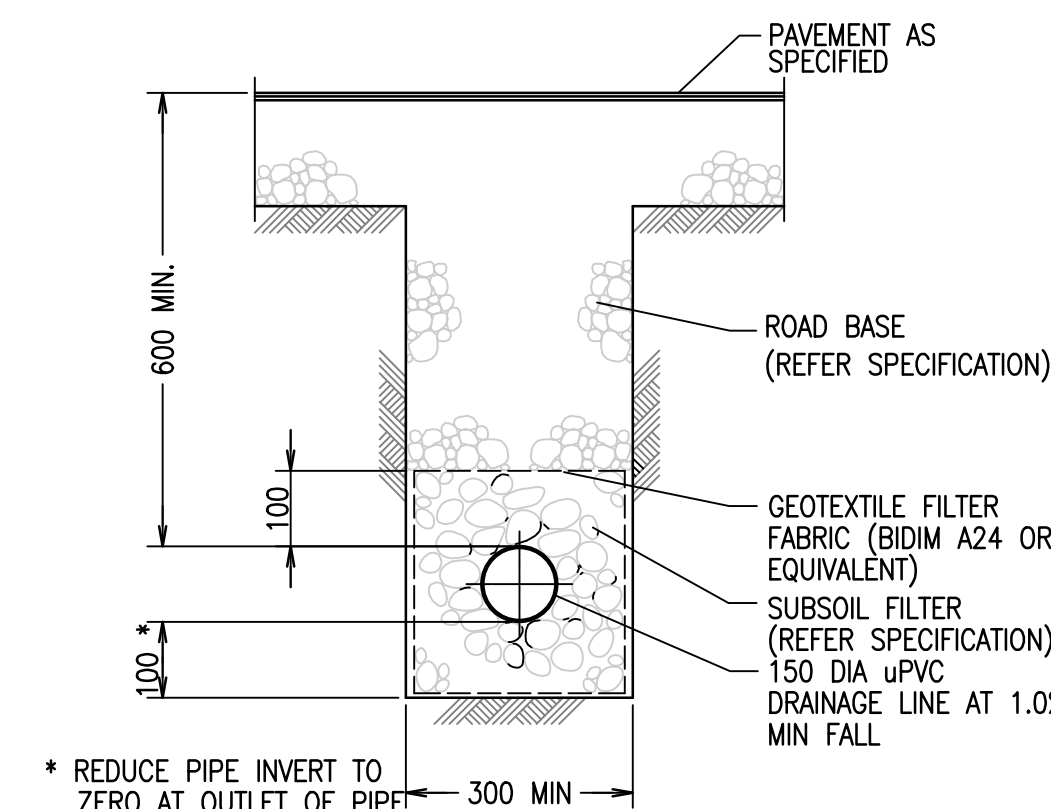
TRENCH DETAIL - TYPE D1

NTS
LOCATION: UNDER PAVED AREAS



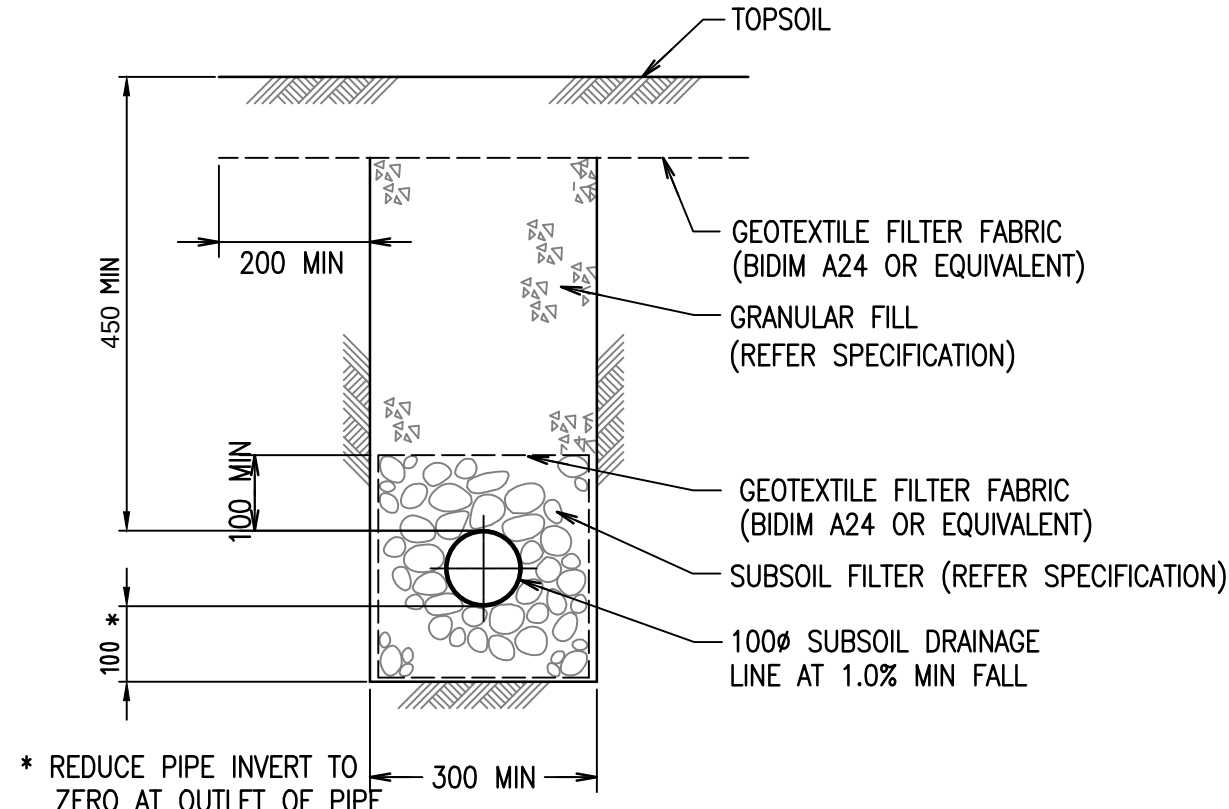
TRENCH DETAIL - TYPE D2

NTS
LOCATION: UNDER LANDSCAPED AREAS



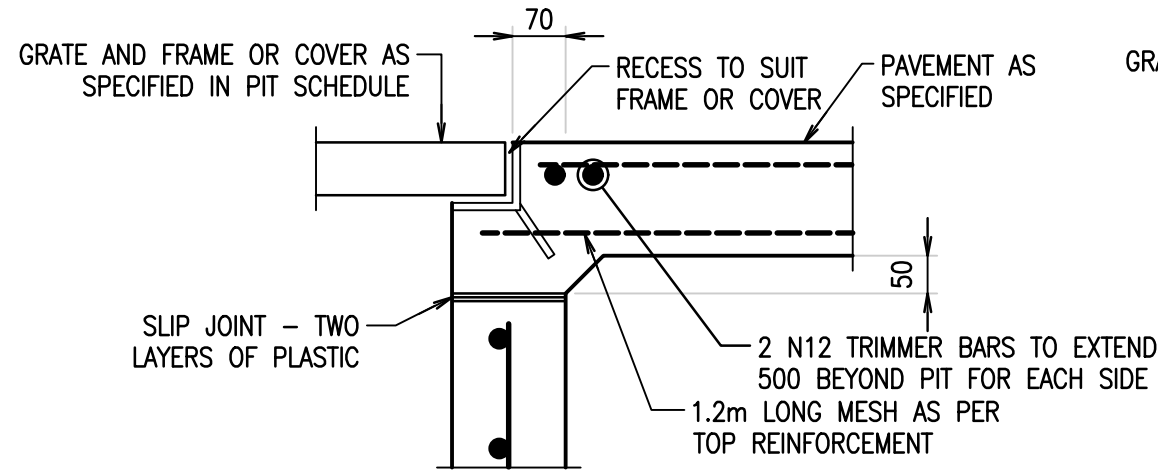
SUBSOIL DRAIN - TYPE D1

NTS
LOCATION: UNDER PAVED AREAS



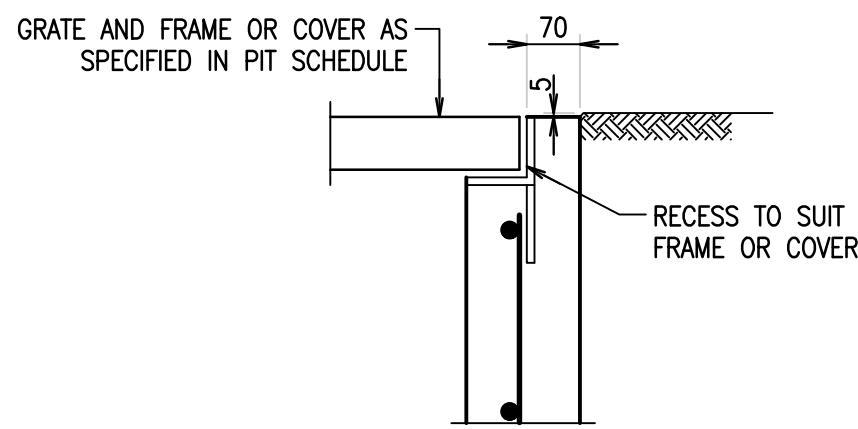
SUBSOIL DRAIN - TYPE D2

NTS
LOCATION: UNDER LANDSCAPED AREAS



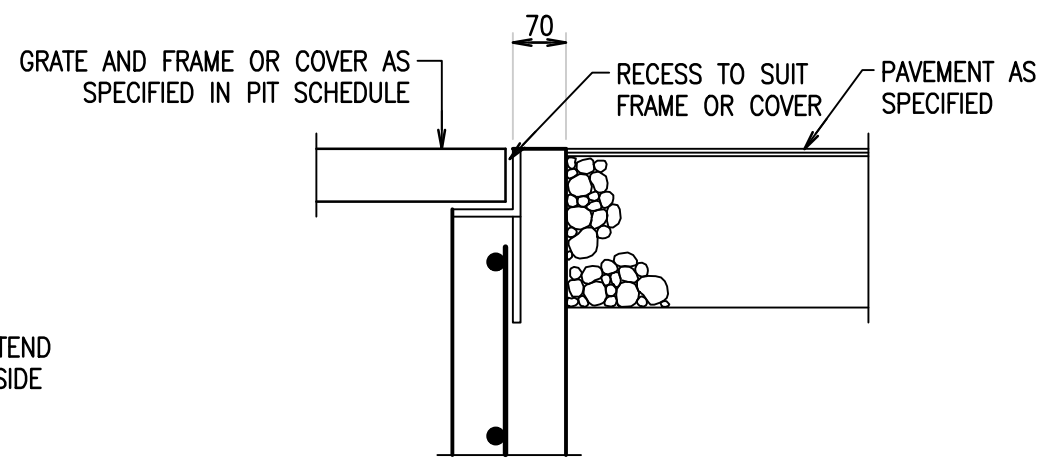
DETAIL D

SCALE 1:10



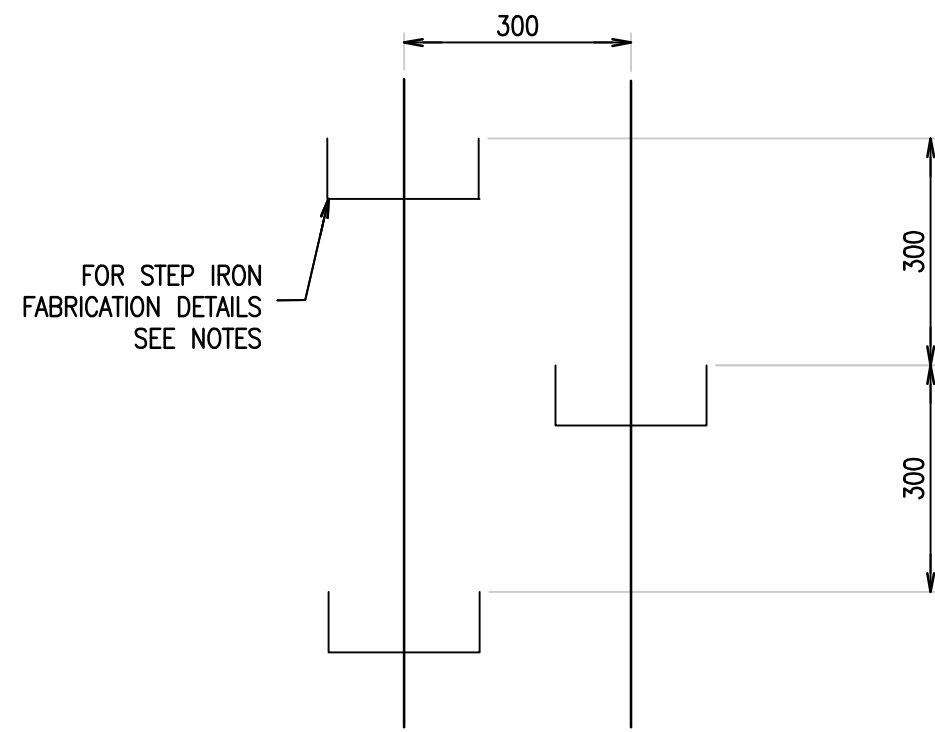
DETAIL F

SCALE 1:10



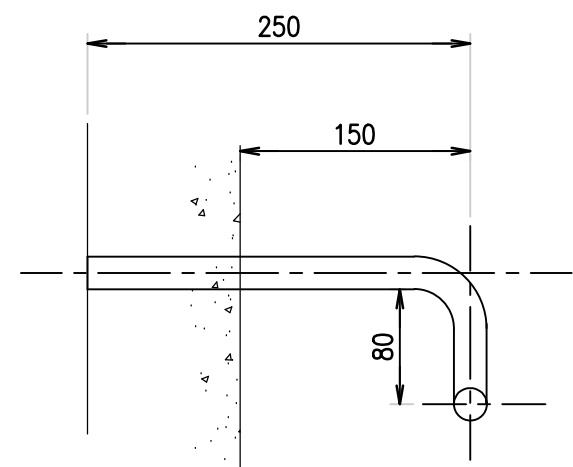
DETAIL E

SCALE 1:10



STEP IRON ARRANGEMENT - ELEVATION

SCALE 1:10

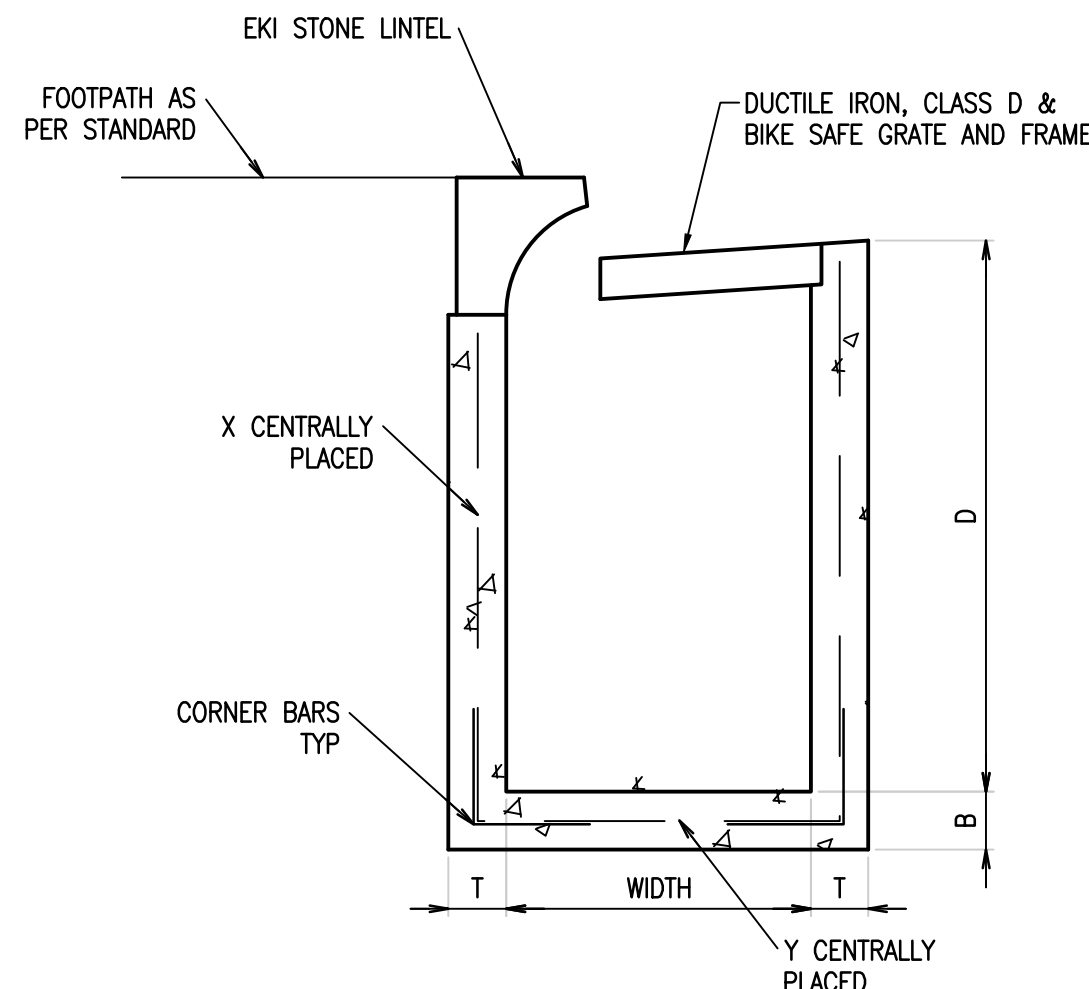


SECTION

SCALE 1:10

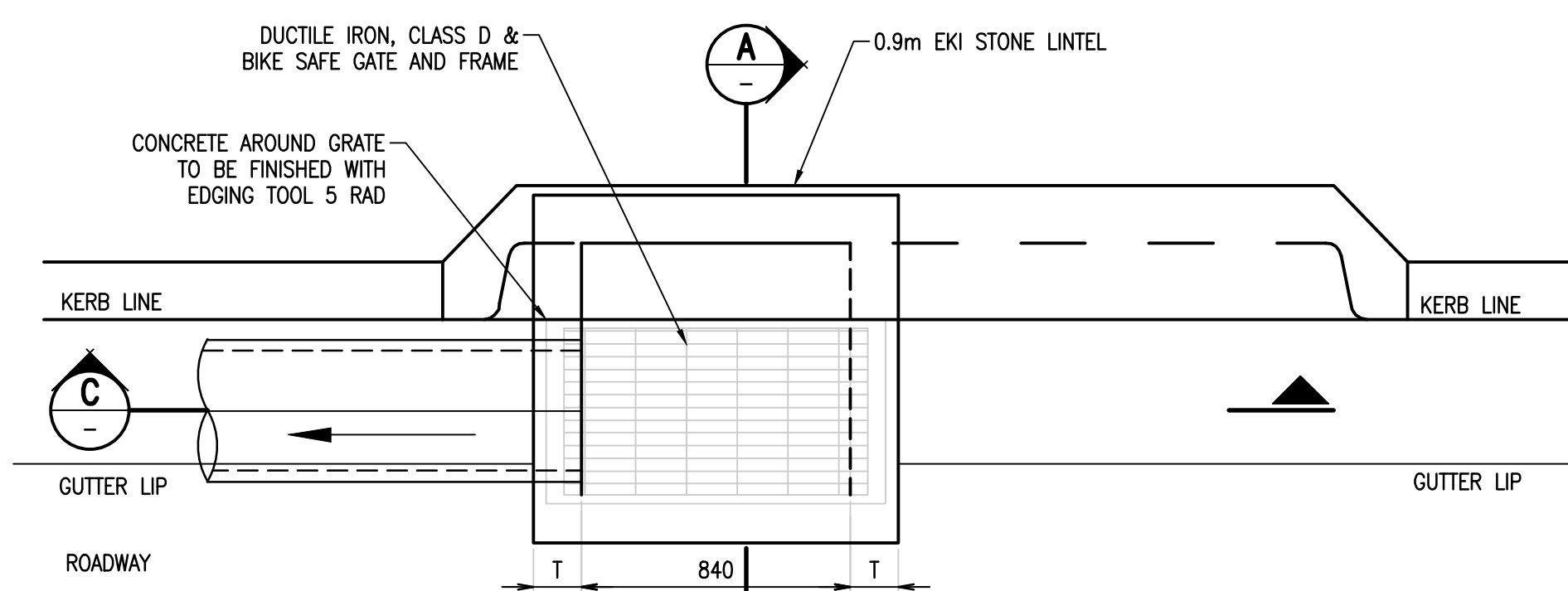
- NOTES:
1. STEP IRONS TO BE FABRICATED FROM 20mm ϕ M.S.
 2. ALL BENDS TO BE FORMED AROUND 12mm DIAMETER PIN
 3. STEP IRONS TO BE PROVIDED IN PITS DEEPER THAN 1.0m
 4. STEP IRONS TO BE HOT DIPPED GALVANISED
 5. STEP IRONS TO BE LOCATED DIRECTLY ABOVE PIT OUTLET PIPE

STANDARD STEP IRONS



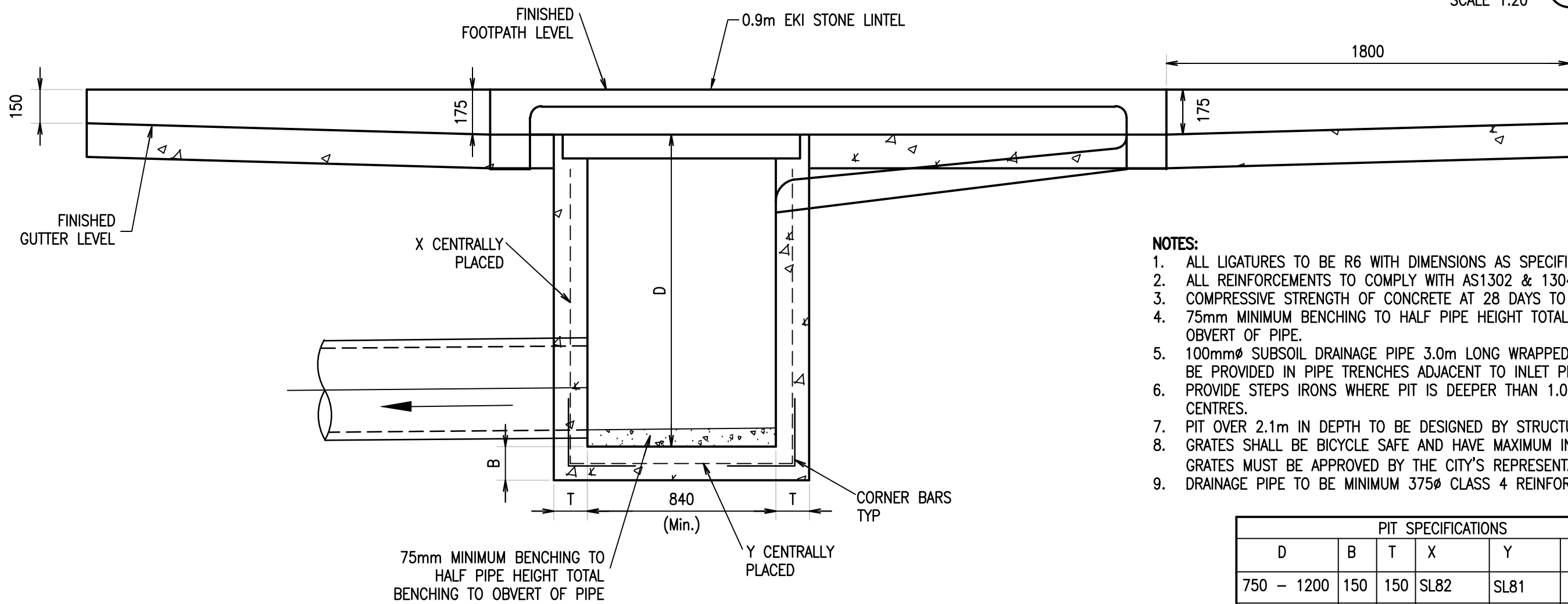
SECTION

SCALE 1:20



PLAN

SCALE 1:20



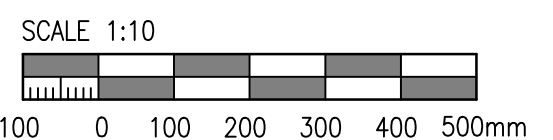
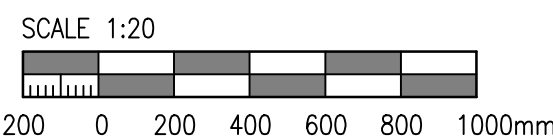
SECTION

SCALE 1:20

- NOTES:
1. ALL LIGATURES TO BE R6 WITH DIMENSIONS AS SPECIFIED.
 2. ALL REINFORCEMENTS TO COMPLY WITH AS1302 & 1304.
 3. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
 4. 75mm MINIMUM BENCHING TO HALF PIPE HEIGHT TOTAL BENCHING TO OVERT OF PIPE.
 5. 100mm ϕ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
 6. PROVIDE STEPS IRONS WHERE PIT IS DEEPER THAN 1.0m AT 300mm CENTRES.
 7. PIT OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
 8. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
 9. DRAINAGE PIPE TO BE MINIMUM 375 ϕ CLASS 4 REINFORCED CONCRETE PIPE

PIT SPECIFICATIONS					
D	B	T	X	Y	CORNER BARS
750 - 1200	150	150	SL82	SL81	N12-300 L 500
1200 - 2100	200	180	SL81	SL81	N12-300 L 600
> 2100	TO STURCTURAL ENGINEERS SPECIFICATION				

KERB INLET PIT DETAIL



Rev	Revision Description	By	App	Date
1	ISSUED FOR DEVELOPMENT APPLICATION	CH	OW	10.05.23
2	ISSUED FOR 30% DESIGN	OR	OW	27.11.23
3	ISSUED FOR DA	HS	OW	26.02.24

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2	ISSUED FOR 30% DESIGN	OR	OW	27.11.23
3	ISSUED FOR DA	HS	OW	26.02.24

Scale 1:1 2 3 4 5 6 7 8

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ACN 010 580 248

CASA

Title
STORMWATER DETAILS

Project
**45 MCLAREN STREET
NORTH SYDNEY**

Date
13.07.22
Scale at A1
AS SHOWN

Drawn
MARELLANO

Designer
H.SHAHRI

Design Checker
H.SHAHRI

Approved
C.WAITE

22593

NOT FOR CONSTRUCTION

Drawing Number
22593-RBG-XX-XX-DR-CV-87101

Revision
03