

# WOLLONDILLY CULTURAL, COMMUNITY & CIVIC PRECINCT

## BUILDING E1 - PERFORMING ARTS CENTER

### MENANGLE ST, PICTON NSW 2571

### CIVIL DRAWINGS

DRAWING INDEX	
DRAWING NUMBER	DRAWING TITLE
PS120505-WSP-CVL-101	COVER SHEET, DRAWING INDEX AND LOCALITY PLAN
PS120505-WSP-CVL-102	GENERAL NOTES
PS120505-WSP-CVL-120	PAVEMENT PLAN
PS120505-WSP-CVL-130	STORMWATER DRAINAGE PLAN
PS120505-WSP-CVL-160	EROSION AND SEDIMENT CONTROL PLAN
PS120505-WSP-CVL-161	EROSION AND SEDIMENT CONTROL DETAILS
PS120505-WSP-CVL-162	CIVIL DETAILS




**LOCALITY PLAN**  
N.T.S

T3	25.06.2021	RL	TENDER ISSUE	JB	AV
D	16.06.2021	RL	PRE-TENDER ISSUE	PS	AV
C	21.04.2021	JP	ISSUE FOR 50% DD	PS	AV
B	30/03/2021	JP	PRELIMINARY ISSUE	PS	AV
A	11/03/2021	JP	ISSUE FOR DA	PS	AV

REV	DATE	BY	DESCRIPTION	CHK	APD

DRAWING STATUS:


**PRELIMINARY ISSUE**  
NOT TO BE USED FOR CONSTRUCTION




GPO Box 5394, Sydney, NSW 2001  
Tel: +61 2 9272 5100 Fax: +61 2 9272 5101  
www.wsp.com

SCALE:

SCALE INDICATED FOR REFERENCE ONLY. DO NOT SCALE DRAWING.



CLIENT:



PROJECT:

**WOLLONDILLY CULTURAL, COMMUNITY & CIVIC  
PRECINCT, BUILDING E1.  
MENANGLE ST, PICTON NSW 2571**

TITLE:

COVER SHEET, DRAWING INDEX  
AND LOCALITY PLAN

SCALE @ A1: N.T.S	CHECKED: PS	APPROVED: AV
PROJECT No: <b>PS120505</b>	DRAWN: JP	DATE: 22.06.2021
DRAWING No: <b>PS120505-WSP-CVL-101</b>		

REV: <b>T3</b>
-------------------

© WSP Australia Pty Ltd



# GENERAL NOTES

## GENERAL NOTES

- DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER PROJECT DRAWINGS.
- ALL CONSTRUCTION WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CIVIL SPECIFICATION, APPROVED PLANS AND TO THE SATISFACTION OF THE SUPERINTENDENT.
- ALL WORKS IN THE PUBLIC ROAD RESERVE ARE TO BE CARRIED OUT TO THE SATISFACTION OF AND IN ACCORDANCE WITH THE SPECIFICATION AND STANDARDS OF WOLLONDILLY SHIRE COUNCIL.
- SURVEY BACKGROUND INFORMATION SUPPLIED BY: PROUST & GARDNER CONSULTING PTY LTD. REFER TO C010 FOR FURTHER INFORMATION RELATING TO SURVEY.
- EXISTING CONTOURS SHOWN REFLECT SITE CONDITIONS AT TIME OF SURVEY.
- THE CONTRACTOR IS TO REVIEW THE GEOTECHNICAL REPORT AND CIVIL SPECIFICATION FOR SUBGRADE PREPARATION, SOIL PARAMETERS AND CONSTRUCTION METHODOLOGY TO SUIT THE CONDITIONS ON SITE.
- ALL DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (m AHD).
- ALL DIMENSIONS RELEVANT TO SETTING OUT SHALL BE CONFIRMED AND VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION IS COMMENCED. THE CONTRACTOR SHALL REPORT ANY IDENTIFIED DISCREPANCIES TO THE SUPERINTENDENT FOR CLARIFICATION.
- THE CONTRACTOR MUST ARRANGE THE REQUISITE INSPECTIONS OF THE WORKS WITH THE SUPERINTENDENT OR THEIR REPRESENTATIVE AS PER THE SPECIFICATIONS.
- ALL REDUNDANT ASSETS AND THEIR ASSOCIATED INFRASTRUCTURE (I.E PIPE WORK/MANHOLE ETC) ARE TO BE REMOVED AND DISPOSED OF OFF SITE AT THE CONTRACTORS EXPENSE.
- ALL TRENCHING WORKS TO BE IN ACCORDANCE WITH THE RELEVANT ACT AND REGULATIONS.
- CONTRACTOR IS TO ALLOW FOR BACK FILLING ASSOCIATED TRENCHES IN ACCORDANCE WITH THE CIVIL SPECIFICATION / RELEVANT DRAWINGS.
- ALL EXISTING ASSETS AFFECTED BY THE WORKS: e.g. SIGNS, VEHICLE CROSSINGS, FOOTPATHS, KERB AND LINEMARKING, SHALL BE REINSTATED BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THE WORKS TO THE SATISFACTION OF THE SUPERINTENDENT OR THEIR REPRESENTATIVE.
- AT THE COMPLETION OF ALL WORKS, ALL RUBBISH, DEBRIS AND SURPLUS SPOIL SHALL BE REMOVED AND THE SITE SHALL BE CLEARED TO THE SATISFACTION OF THE SUPERINTENDENT OR THEIR REPRESENTATIVE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT THE AS-BUILT DRAWINGS (INCLUDING DIGITAL FORMAT) TO THE SUPERINTENDENT AND DESIGN ENGINEER AT THE COMPLETION OF THE CONSTRUCTION WORKS. ANY UNAPPROVED DISCREPANCIES MUST BE RECTIFIED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE SUPERINTENDENT AND / OR ENGINEER.

## TREE PROTECTION

- ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN ON THE DRAWINGS TO BE REMOVED OR DIRECTED BY THE SUPERINTENDENT OR THEIR REPRESENTATIVE. UNDER NO CIRCUMSTANCES SHALL WORKS BE CARRIED OUT, MATERIALS STORED OR CONSTRUCTION VEHICLES BE PARKED WITHIN THE CANOPY OF EXISTING TREES WITHOUT THE APPROVAL OF THE SUPERINTENDENT.
- THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE SUPERINTENDENT ANY TREES THAT ARE IN CONFLICT WITH THE PROPOSED WORKS AND SEEK DIRECTION ON HOW TO PROCEED.

## EXISTING SERVICES

- WSP ACCEPTS NO RESPONSIBILITIES IN RELATION TO EXTENT AND LOCATION OF EXISTING SERVICES IN THE VICINITY OF THE SITE.
- CONTRACTORS MUST ASCERTAIN THE PRECISE LOCATION AND DEPTH OF ALL EXISTING SERVICES WHICH COULD BE AFFECTED BY THE WORKS. WHERE EXISTING SERVICES ARE FOUND TO BE IN CLASH OF THE WORKS, THE CONTRACTOR SHOULD NOTIFY THE SUPERINTENDENT ACCORDINGLY.
- THE CONTRACTOR SHALL LIAISE WITH ALL RELEVANT SERVICE AUTHORITIES WITH RESPECT TO ANY SERVICE ALTERATIONS OR FOR WORKS IN VICINITY OR CLOSE PROXIMITY TO EXISTING SERVICES. THE CONTRACTOR SHALL BE REQUIRED TO SEEK CLEARANCE, PROGRAM AND COORDINATE THESE WORKS WITH THE RELEVANT SERVICE AUTHORITY AND THEIR CONTRACTORS AT THEIR OWN EXPENSE.
- ANY INFRASTRUCTURE DAMAGE DURING THE DEFECTS LIABILITY PERIOD IS THE RESPONSIBILITY OF THE CONTRACTOR AND IS TO BE REINSTATED TO THE SATISFACTION OF THE SUPERINTENDENT OR THEIR REPRESENTATIVE.
- ALL SERVICE CONDUITS TRENCHES UNDER ROAD PAVEMENTS ARE TO BE BACKFILLED WITH 20mm 3% CEMENT TREATED CLASS 3 CRUSHED ROCK COMPACTED TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.2.1-2003.

## SEDIMENT CONTROL

- ON COMMENCEMENT OF CONSTRUCTION WORKS, THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PLANNING AND ASSESSMENT (EPA) ACT 1979. PROTECTION OF THE ENVIRONMENT OPERATIONS POEO 1997 AND MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION VOLUME 1 (LANDCOM BLUEBOOK)

## FLOODING

- REFER TO INGLIS ENGINEERING FLOOD AFFECTATION AND COMPLIANCE REPORT NUMBER 2021013-RPT-001DATED 19.03.2021 FOR DETAILS REGARDING FLOODING

## EARTHWORKS

- A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER SHALL BE ENGAGED AT CONTRACTORS EXPENSE TO WITNESS AND APPROVE THE SUBGRADE PREPARATION WORKS AND FINAL PROOF ROLLING AS ADEQUATE FOR CONSTRUCTION.
- DESIGN LEVELS PROVIDED IN THE DRAWINGS ARE FINISHED SURFACE LEVELS. EARTHWORKS SHOULD THEREFORE BE FINISHED AT THE APPROPRIATE LEVELS TO ALLOW FOR THE CONSTRUCTION OF PAVEMENTS AND SHOULDERS AS DOCUMENTED.
- EARTHWORK SPOIL IN EXCESS OF SITE FILL REQUIREMENTS SHALL BE DISPOSED OFF SITE.
- PRIOR TO EARTH FILLING WORKS THE EXPOSED EMBANKMENT FOUNDATION SHALL BE MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM OF 98% STANDARD COMPACTION PRIOR TO FILLING OR PAVEMENT CONSTRUCTION.
- ANY SOFT, WET OR UNSUITABLE SUBGRADE MATERIALS, AS DEFINED IN THE SPECIFICATION, SHALL BE REMOVED AND REPLACED WITH AN APPROVED MATERIAL.
- EXCAVATED MATERIAL THAT COMPLIES WITH THE SPECIFICATION REQUIREMENTS FOR FILL MAY BE USED AS BACKFILL.
- ALL COMPACTION TO BE CARRIED OUT IN ACCORDANCE WITH COMPACTION TEST PROCEDURES DEFINED IN AS 1289. CERTIFICATION IS TO BE BY AN INDEPENDENT GEOTECHNICAL ENGINEER (AT CONTRACTORS EXPENSE).
- ALL EXCAVATED AND FILLED BATTER AREAS SHALL BE SURFACED WITH A 150mm LAYER OF APPROVED TOPSOIL OR AS SHOWN OTHERWISE ON THE DRAWINGS.

## PAVEMENTS

- WHERE NEW ASPHALT, CONCRETE KERB & CHANNEL, PATHS AND DRIVEWAYS MATCH INTO EXISTING, THE EXISTING SURFACE IS TO BE SAW CUT AND MATCHED NEATLY.
- ANY PAVEMENT SOFT SPOTS IDENTIFIED SHALL BE EXCAVATED TO A PROOF ROLLED BASE AND BACKFILLED WITH APPROVED MATERIAL COMPACTED IN 150mm LAYERS TO ACHIEVE THE REQUIRED DRY DENSITY VALUE.
- CRUSHED CONCRETE COMPLYING WITH VICROADS SECTION 820 MAY BE USED IN LIEU OF VIRGIN CRUSHED ROCK SUBJECT TO APPROVAL BY THE SUPERINTENDENT.

## KERBING AND THE ANCILLARY WORKS

- SET OUT DIMENSIONS GIVEN TO KERBING ARE TO THE INVERT OF KERB AS DEFINED ON THE STANDARD DRAWINGS.
- PEDESTRIAN CROSSING TO CONFORM TO AS 1428.1 AND RELEVANT AUTHORITIES STANDARD DETAILS WHERE APPLICABLE.

## STORMWATER DRAINAGE

- ALL STORMWATER DRAINS >300DIA ARE TO BE CLASS 2 RC PIPES COMPLYING WITH REQUIREMENTS OF AS3500 UNLESS NOTED OTHERWISE. ALL PIPES ARE TO BE RUBBER RING JOINTED. ALTERNATIVE PIPE MATERIALS MAY BE USED SUBJECT TO APPROVAL BY THE SUPERINTENDENT.
- ALL STORMWATER DRAINAGE PIPES LESS THAN 225DIA TO BE SEWER QUALITY UPVC WITH SOLVENT WELDED JOINTS, UNLESS NOTED OTHERWISE.
- DRAINAGE TRENCHING WORKS TO BE IN ACCORDANCE WITH THE RELEVANT SPECIFICATION.
- PIT COVER LEVELS (CL'S) TO EXISTING OR PROPOSED FINISHED LEVELS AS APPROPRIATE. ACCORDINGLY THE CONTRACTOR IS TO VERIFY DOCUMENTED CL'S PRIOR TO DRAINAGE INSTALLATION AND NOTIFY THE SUPERINTENDENT OF ANY ANOMALIES WITH CL'S AND FINISHED LEVELS FOR CLARIFICATION.
- ALL DOWNPIPE CONNECTIONS TO BE MINIMUM 150Ø OR EQUAL TO DOWNPIPE DIAMETER, UNLESS OTHERWISE NOTED. ALL PIPES TO BE SEWER QUALITY UPVC, WITH SOLVENT WELDED JOINTS. DOWNPIPE CONNECTIONS SHALL TYPICALLY BE PLACED AT MIN GRADE OF 1:100.
- EXISTING STORM WATER PIPE TO BE ABANDONED IS TO BE CUT AND SEALED WITH CONCRETE AT BOTH ENDS.
- PIT SETOUT COORDINATES ARE TO THE CENTRE OF THE PIT.
- ALL TABLE DRAINS AND VERGES ARE TO BE REINSTATED UPON COMPLETION OF WORKS TO THE SATISFACTION OF THE SUPERINTENDENT/OR THEIR REPRESENTATIVE.
- DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING AND MAINTAINING A TEMPORARY SITE DRAINAGE SYSTEM AND TO MAINTAIN THE SITE IN A DRY AND STABLE CONDITION. DETAILS OF THE DRAINAGE SYSTEM SHALL BE SUBMITTED FOR THE APPROVAL OF THE SUPERINTENDENT.

## SUBSOIL DRAINAGE

- PAVEMENT SUBSOIL DRAINS ARE TO BE PLACED IN ACCORDANCE WITH STANDARD DRAWINGS BEHIND ALL KERB AND CHANNEL, ON THE LOW SIDE OF ALL PAVEMENTS, AND ROAD CROSSINGS AT SAC VERTICAL CURVES.
- SUBSOIL DRAINAGE SHALL OUTLET TO DRAINAGE PITS OR LAND DRAINS.

T3	25.06.2021	RL	TENDER ISSUE			
D	16.06.2021	RL	PRE-TENDER ISSUE		JB	AV
C	21.04.2021	JP	ISSUE FOR 50% DD		PS	AV
B	30/03/2021	JP	PRELIMINARY ISSUE		PS	AV
A	11/03/2021	JP	ISSUE FOR DA		PS	AV
REV	DATE	BY	DESCRIPTION	CHK	APD	

DRAWING STATUS: **PRELIMINARY ISSUE**  
NOT TO BE USED FOR CONSTRUCTION



GPO Box 5394, Sydney, NSW 2001  
Tel: +61 2 9272 5100 Fax: +61 2 9272 5101  
www.wsp.com

SCALE:  
SCALE INDICATED FOR REFERENCE ONLY. DO NOT SCALE DRAWING.

CLIENT:



PROJECT:  
**WOLLONDILLY CULTURAL, COMMUNITY & CIVIC  
PRECINCT, BUILDING E1.  
MENANGLE ST, PICTON NSW 2571**

TITLE:  
GENERAL NOTES

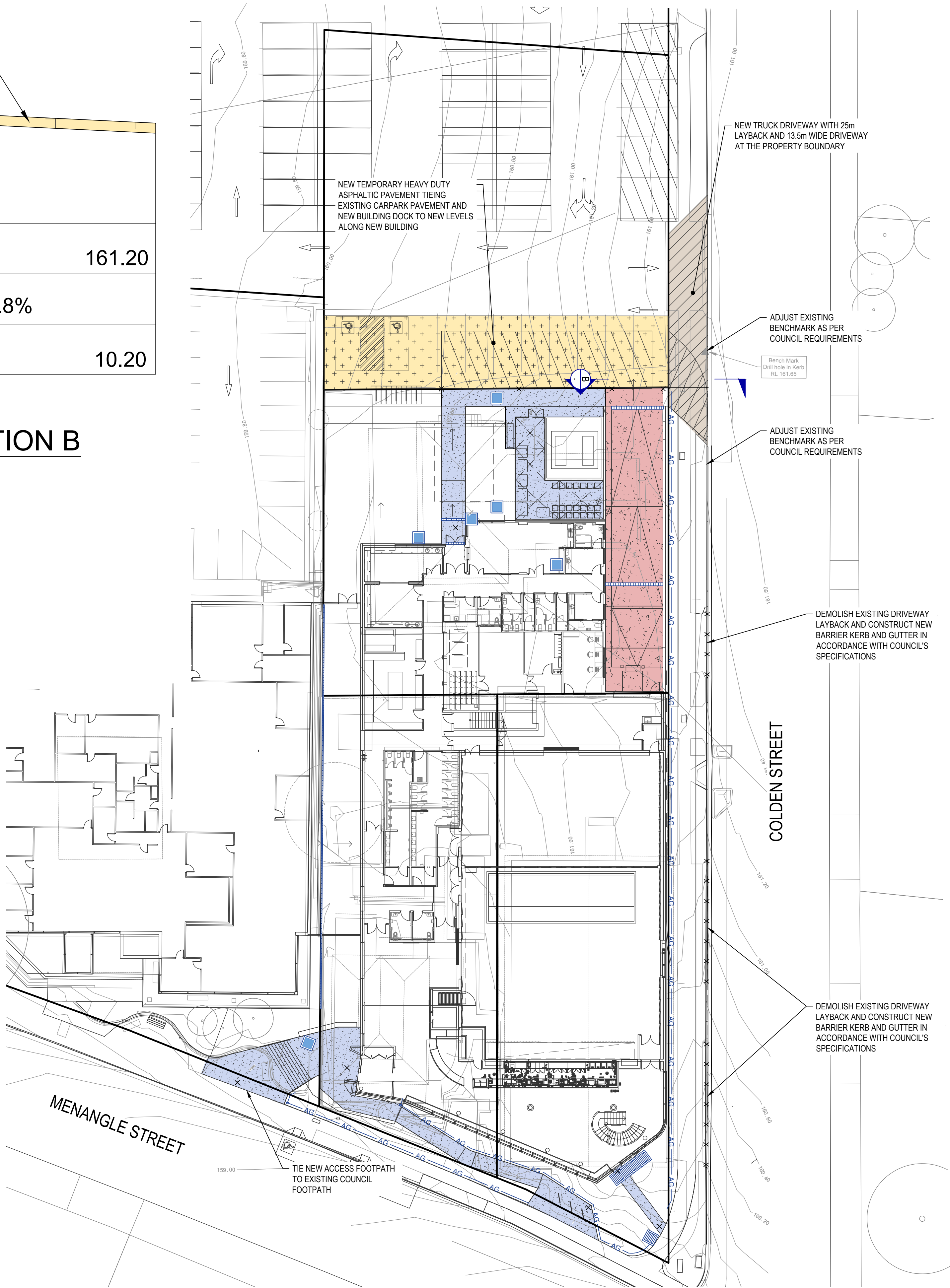
SCALE @ A1: N.T.S	CHECKED: PS	APPROVED: AV
PROJECT No: <b>PS120505</b>	DRAWN: JP	DATE: 22.06.2021
DRAWING No: <b>PS120505-WSP-CVL-102</b>	REV: <b>T3</b>	

© WSP Australia Pty Ltd



	PROPOSED DRIVEWAY		
	EXISTING KERB INVERT		
DESIGN LEVEL	161.48	161.50	161.20
SLOPE	0.5%	4.8%	
CHAINAGE	0	4	10.20

VEHICLE CROSSING SECTION B  
SCALE 1:50

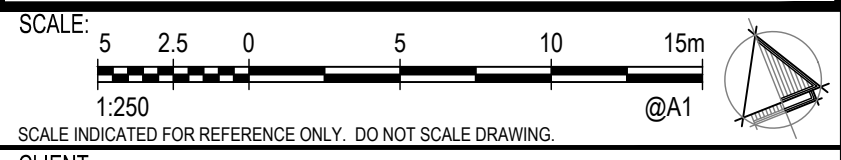


LEGEND	
	HEAVY DUTY ASPHALT
	HEAVY DUTY CONCRETE
	LIGHT DUTY CONCRETE
× P160.90	PAVEMENT LEVEL

T3	25.06.2021	RL	TENDER ISSUE		JB	AV
D	16.06.2021	RL	PRE-TENDER ISSUE		PS	AV
C	21.04.2021	JP	ISSUE FOR 50% DD		PS	AV
B	30/03/2021	JP	PRELIMINARY ISSUE		PS	AV
A	11/03/2021	JP	ISSUE FOR DA		PS	AV
REV	DATE	BY	DESCRIPTION		CHK	APD

DRAWING STATUS: **PRELIMINARY ISSUE**  
NOT TO BE USED FOR CONSTRUCTION

GPO Box 5394, Sydney, NSW 2001  
Tel: +61 2 9272 5100 Fax: +61 2 9272 5101  
www.wsp.com



CLIENT:

PROJECT:  
**WOLLONDILLY CULTURAL, COMMUNITY & CIVIC  
PRECINCT, BUILDING E1.  
MENANGLE ST, PICTON NSW 2571**

TITLE:  
PAVEMENT PLAN

SCALE @ A1: 1:250	CHECKED: PS	APPROVED: AV
PROJECT No: <b>PS120505</b>	DRAWN: JP	DATE: 25.06.2021
DRAWING No: <b>PS120505-WSP-CVL-120</b>	REV: <b>T3</b>	

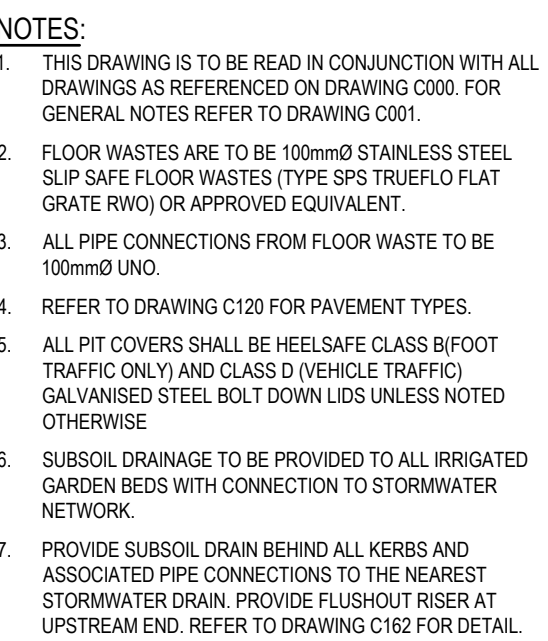
© WSP Australia Pty Ltd



**SERVICE CLASHES**  
CONTRACTOR TO REFER TO SERVICES DOCUMENTATION  
AND LIAISE WITH THE RELEVANT AUTHORITY TO MITIGATE  
ANY SERVICE CLASHES WITH THE PROPOSED WORKS.

**WARNING**  
BEWARE OF UNDERGROUND SERVICES.  
THE LOCATION OF UNDERGROUND SERVICES ARE  
APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD  
BE PROVEN ON SITE BY CIVIL CONTRACTOR PRIOR TO  
CONSTRUCTION OF ANY CIVIL WORKS. NO GUARANTEE IS  
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



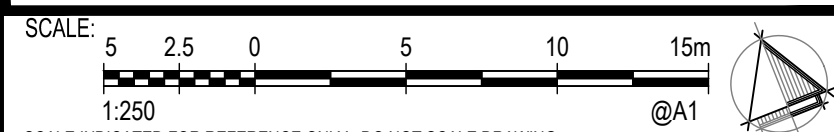


**LEGEND**

— EX.D —	EXISTING DRAINAGE
— EX.W —	EXISTING WATER
— EX.G —	EXISTING GAS
— EX.T —	EXISTING TELSTRA
— — —	TITLE BOUNDARY
— 2250 —	DRAINAGE PIPE
■	GRADED PIT
■	JUNCTION PIT
PIT #1	PIT NUMBER REFERENCE
— Tg —	TRENCH GRADE
— RM —	PROPOSED STORMWATER RISING MAIN
— RW —	SIZE AND MATERIAL TBC
236.50	RETAINING WALL
236.50	PROPOSED CONTOURS
236.00	EXISTING CONTOURS
150	SLOPE ARROW

T3	25.06.2021	RL	TENDER ISSUE	JB	AV
D	16.06.2021	RL	PRE-TENDER ISSUE	PS	AV
C	21.04.2021	JP	ISSUE FOR 50% DD	PS	AV
B	30/03/2021	JP	PRELIMINARY ISSUE	PS	AV
A	11/03/2021	JP	ISSUE FOR DA	PS	AV
REV	DATE	BY	DESCRIPTION	CHK	APD

DRAWING STATUS: **PRELIMINARY ISSUE**  
NOT TO BE USED FOR CONSTRUCTION



PROJECT:  
WOLLONDILLY CULTURAL, COMMUNITY & CIVIC  
PRECINCT, BUILDING E1.  
MENANGLE ST, PICTON NSW 2571

TITLE:  
STORMWATER DRAINAGE PLAN

SCALE @ A1: 1:250	CHECKED: PS	APPROVED: AV
PROJECT No: <b>PS120505</b>	DRAWN: JP	DATE: <b>24.06.2021</b>
DRAWING No: <b>PS120505-WSP-CVL-130</b>		REV: <b>T3</b>

© WSP Australia Pty Ltd



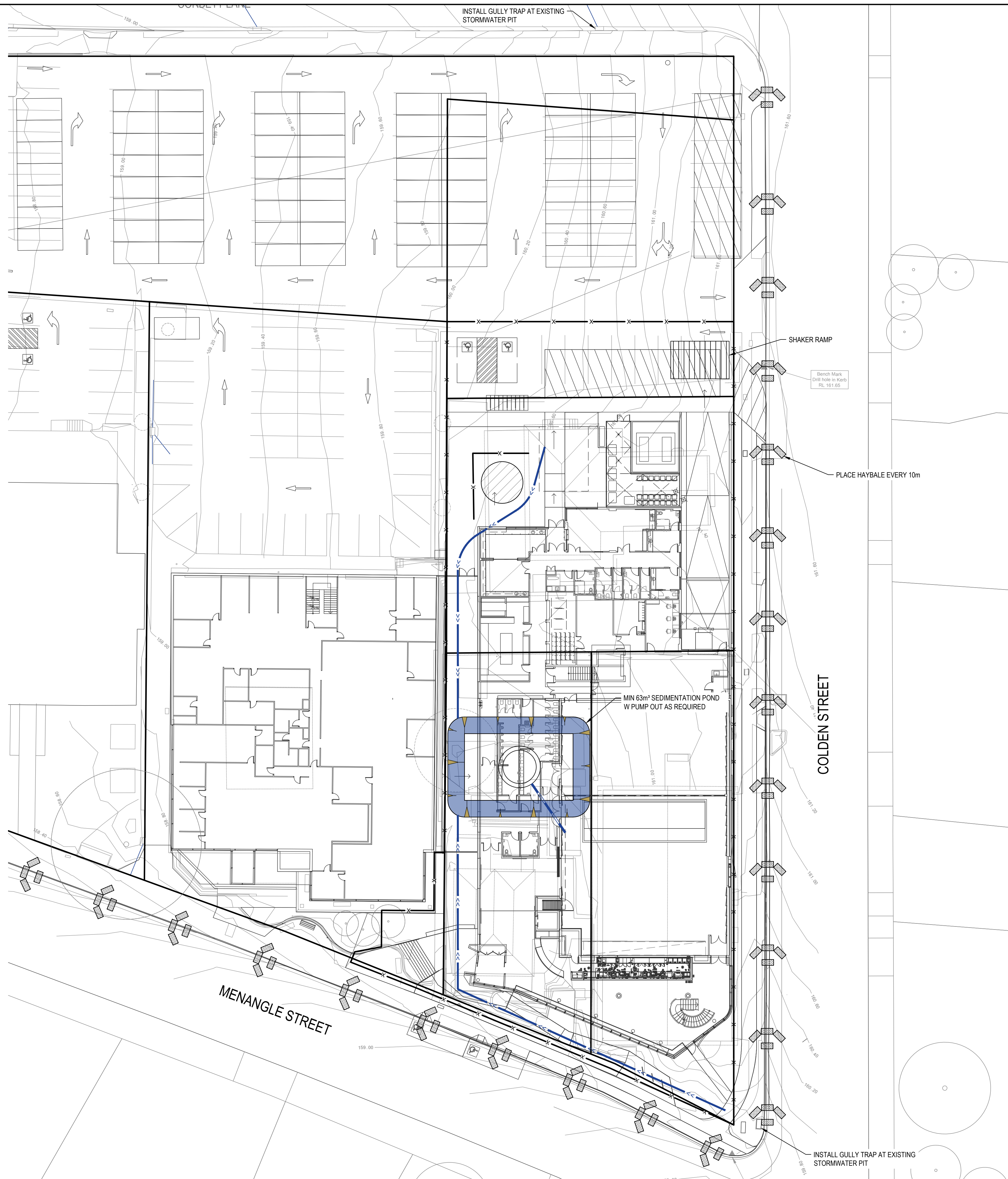
## SERVICE CLASHES

CONTRACTOR TO REFER TO SERVICES DOCUMENTATION AND LIAISE WITH THE RELEVANT AUTHORITY TO MITIGATE ANY SERVICE CLASHES WITH THE PROPOSED WORKS.

**WARNING**

**BEWARE OF UNDERGROUND SERVICES.**  
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE BY CIVIL CONTRACTOR PRIOR TO CONSTRUCTION OF ANY CIVIL WORKS. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



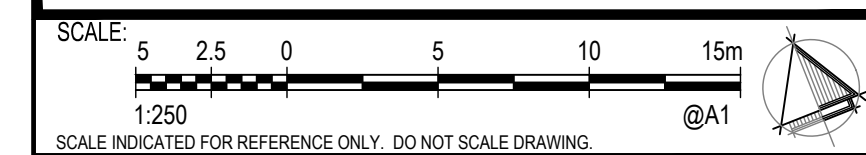


LEGEND	
	PROPOSED SEDIMENT FENCE
	PROPOSED CATCHDRAIN
	HAYBALES AT 10m CENTRES ALONG GUTTER
	POSSIBLE STOCKPILE LOCATION
	SHAKER RAMP

T3	25.06.2021	RL	TENDER ISSUE		JB	AV
D	16.06.2021	RL	PRE-TENDER ISSUE		PS	AV
C	21.04.2021	JP	ISSUE FOR 50% DD		PS	AV
B	30/03/2021	JP	PRELIMINARY ISSUE		PS	AV
A	11/03/2021	JP	ISSUE FOR DA		PS	AV
REV	DATE	BY	DESCRIPTION	CHK	APD	

DRAWING STATUS: **PRELIMINARY ISSUE**  
NOT TO BE USED FOR CONSTRUCTION

GPO Box 5394, Sydney, NSW 2001  
Tel: +61 2 9272 5100 Fax: +61 2 9272 5101  
www.wsp.com



PROJECT:  
**WOLLONDILLY CULTURAL, COMMUNITY & CIVIC  
PRECINCT, BUILDING E1.  
MENANGLE ST, PICTON NSW 2571**

TITLE:  
**EROSION AND SEDIMENT CONTROL PLAN**

SCALE @ A1: 1:250	CHECKED: PS	APPROVED: AV
PROJECT No: <b>PS120505</b>	DRAWN: JP	DATE: 25.06.2021

DRAWING No: <b>PS120505-WSP-CVL-160</b>	REV: <b>T3</b>
--	-------------------

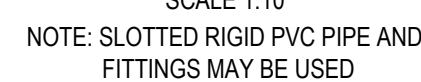
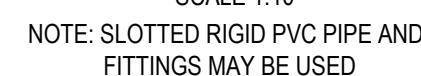
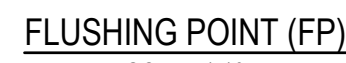
© WSP Australia Pty Ltd



**SERVICE CLASHES**  
CONTRACTOR TO REFER TO SERVICES DOCUMENTATION  
AND LIAISE WITH THE RELEVANT AUTHORITY TO MITIGATE  
ANY SERVICE CLASHES WITH THE PROPOSED WORKS.

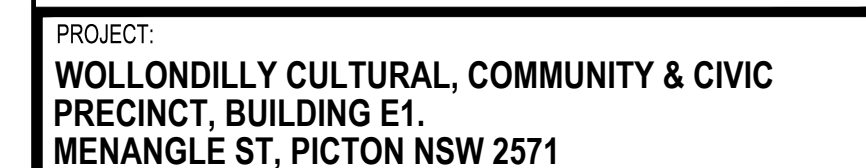
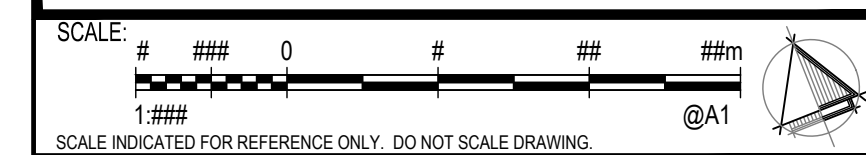
**WARNING**  
BEWARE OF UNDERGROUND SERVICES.  
THE LOCATION OF UNDERGROUND SERVICES ARE  
APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD  
BE PROVEN ON SITE BY CIVIL CONTRACTOR PRIOR TO  
CONSTRUCTION OF ANY CIVIL WORKS. NO GUARANTEE IS  
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.





DRAWING STATUS: **PRELIMINARY ISSUE**  
NOT TO BE USED FOR CONSTRUCTION

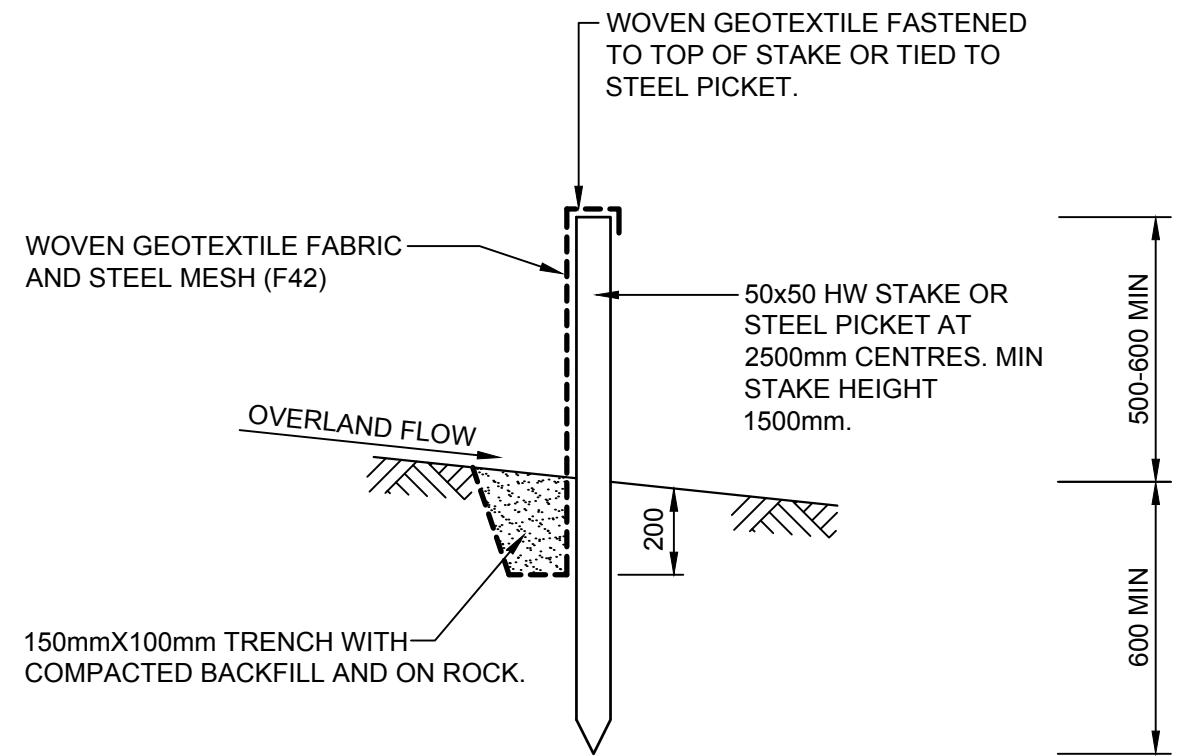
DRAWING STATUS: **PRELIMINARY ISSUE**  
NOT TO BE USED FOR CONSTRUCTION



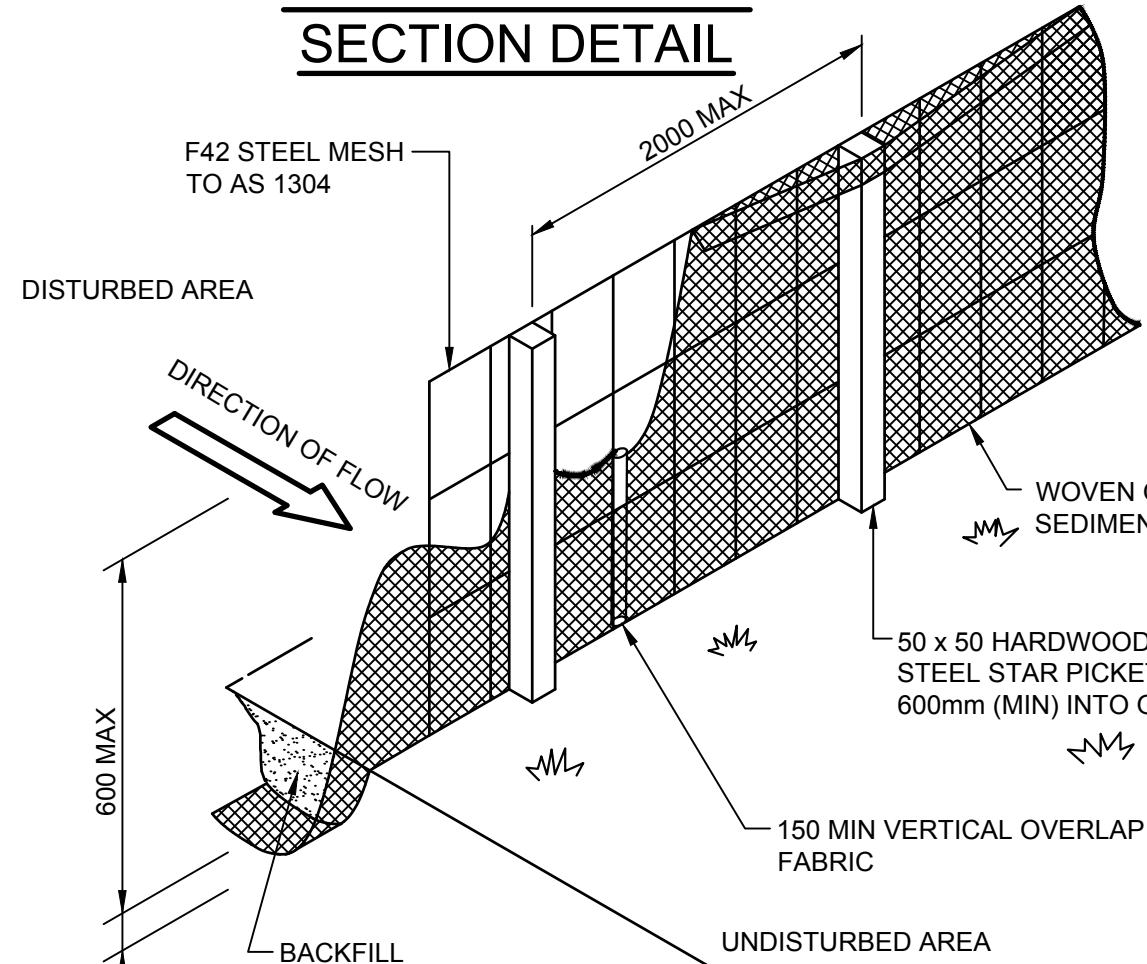
TITLE:  
CIVIL DETAILS  
SHEET 1 OF 2

© WSP Australia Pty Ltd

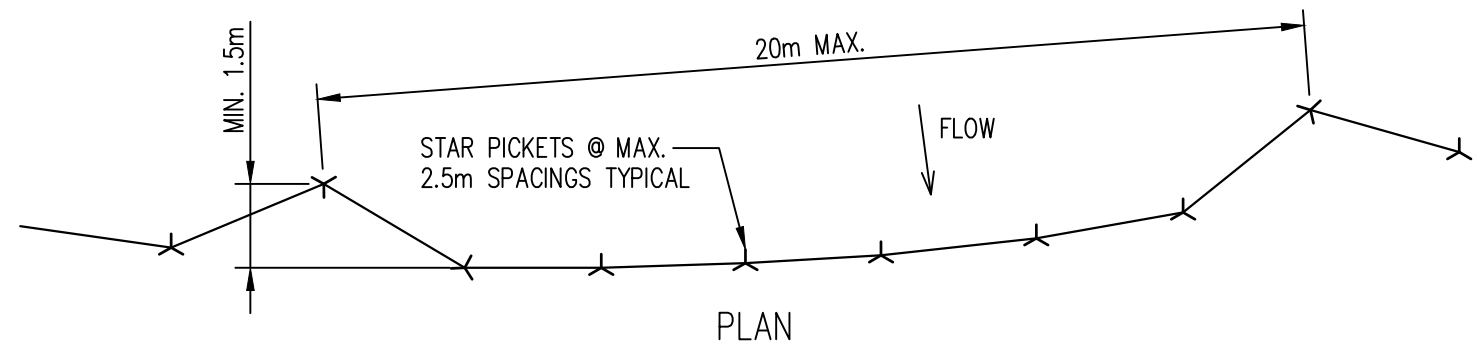




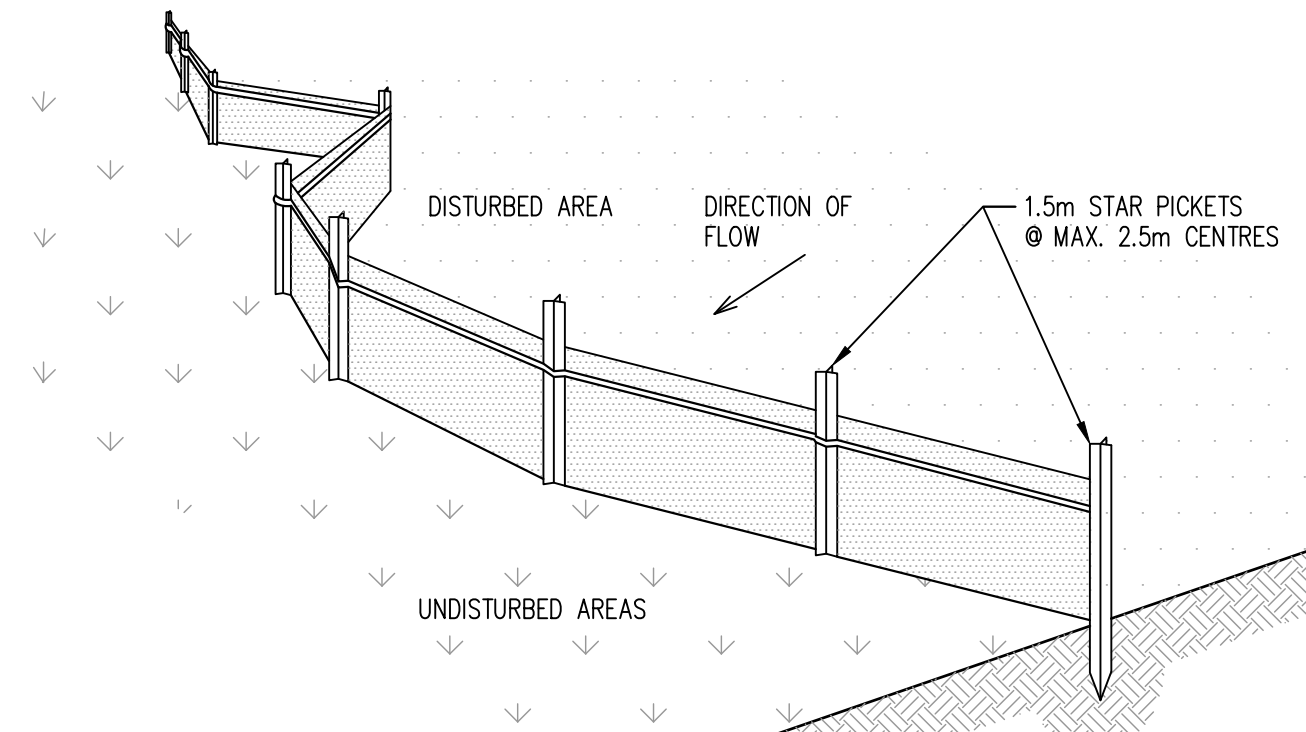
SEDIMENT FENCE  
SECTION DETAIL



SEDIMENT FENCE  
ELEVATION



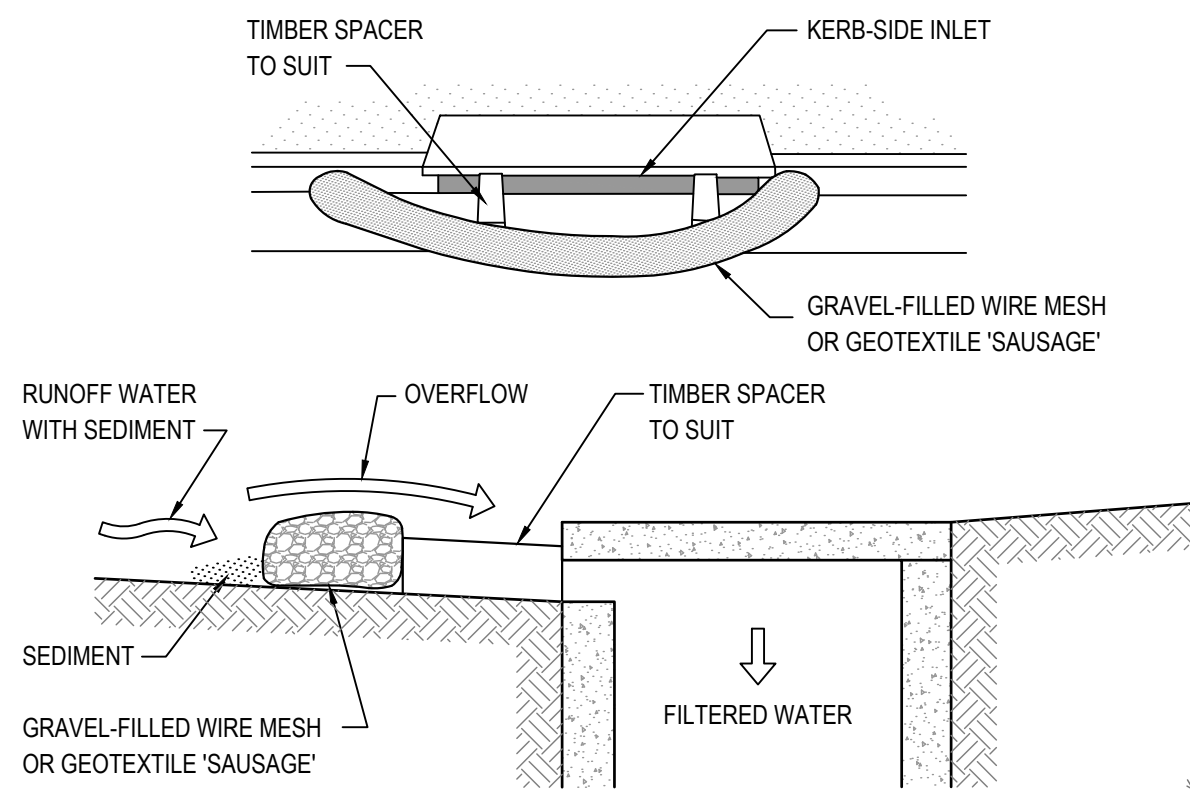
PLAN



SEDIMENT FENCE  
SCALE N.T.S.

SEDIMENT FENCE CONSTRUCTION NOTES:

- CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
- CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- DRIVE 1.5m LONG STAR PICKETS INTO GROUND @ 2.5m INTERVALS (MAX.) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
- FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
- JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
- BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.



CONSTRUCTION NOTES:

- INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
- FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
- FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
- PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
- FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
- SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

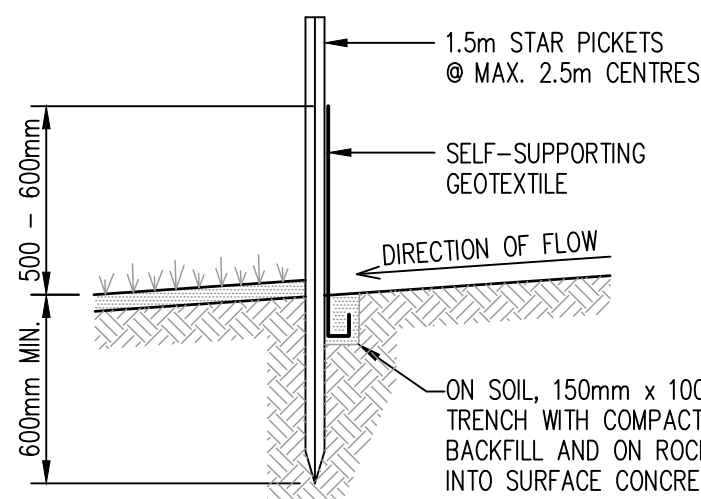
MESH AND GRAVEL INLET FILTER DETAIL

NOT TO SCALE

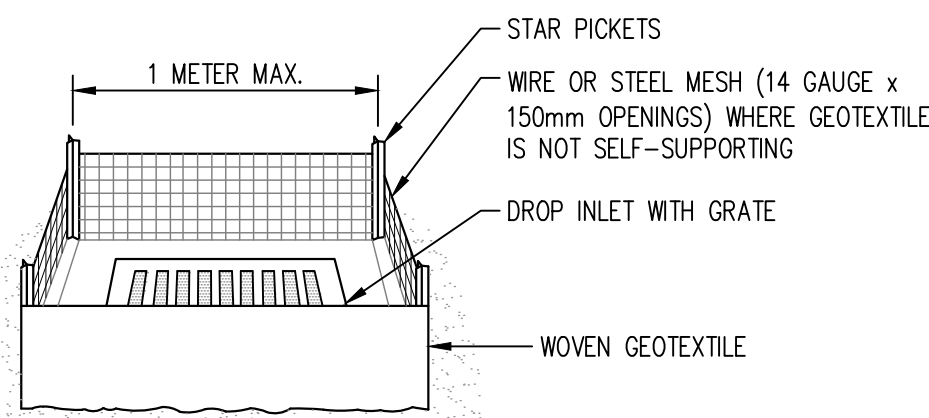
CONSTRUCTION SEQUENCE

WORKS SHALL BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:

- INSTALL SEDIMENT FENCING AND CUT DRAINS TO MEET THE REQUIREMENTS OF THE SEDIMENT AND EROSION CONTROL PLAN. WASTE COLLECTION BINS SHALL BE INSTALLED ADJACENT TO SITE OFFICE.
- CONSTRUCT STABILISED SITE ACCESS IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS.
- REDIRECT CLEAN WATER AROUND THE CONSTRUCTION SITE.
- INSTALL SEDIMENT CONTROL PROTECTION MEASURES AT ALL NATURAL AND MAN-MADE DRAINAGE STRUCTURES. MAINTAIN UNTIL ALL THE DISTURBED AREAS ARE STABILISED.
- CLEAR AND STRIP THE WORK AREAS. MINIMISE THE DAMAGE TO THE GRASS AND LOW GROUND COVER OF NON-DISTURBED AREAS.
- ANY DISTURBED AREAS, OTHER THAN BUILDING PAD AREAS, SHALL IMMEDIATELY BE COVERED WITH SITE TOPSOIL WITHIN 7 DAYS OF CLEARING. BUILDING PAD AREAS SHALL BE COVERED WITH BITUMEN EMULSION AS SPECIFIED.
- APPLY PERMANENT STABILISATION TO SITE (LANDSCAPING).



SECTION DETAIL

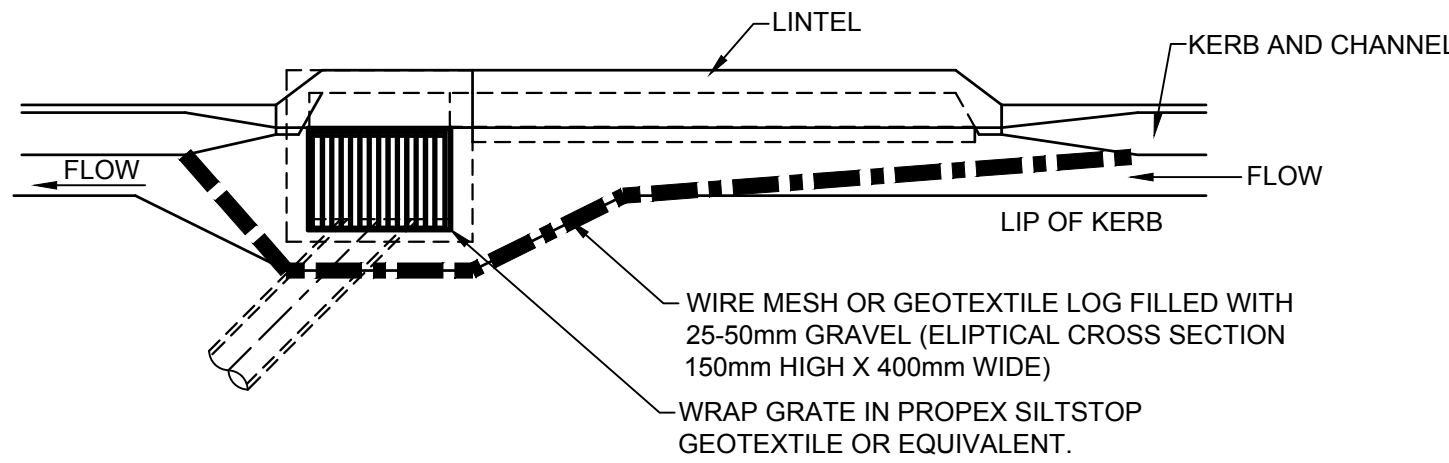


GEOTEXTILE INLET FILTER CONSTRUCTION NOTES:

- FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE.
- PICKET SPACING TO BE MAXIMUM 1.0m.
- IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
- DO NOT COVER THE INLET WITH GEOTEXTILES UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

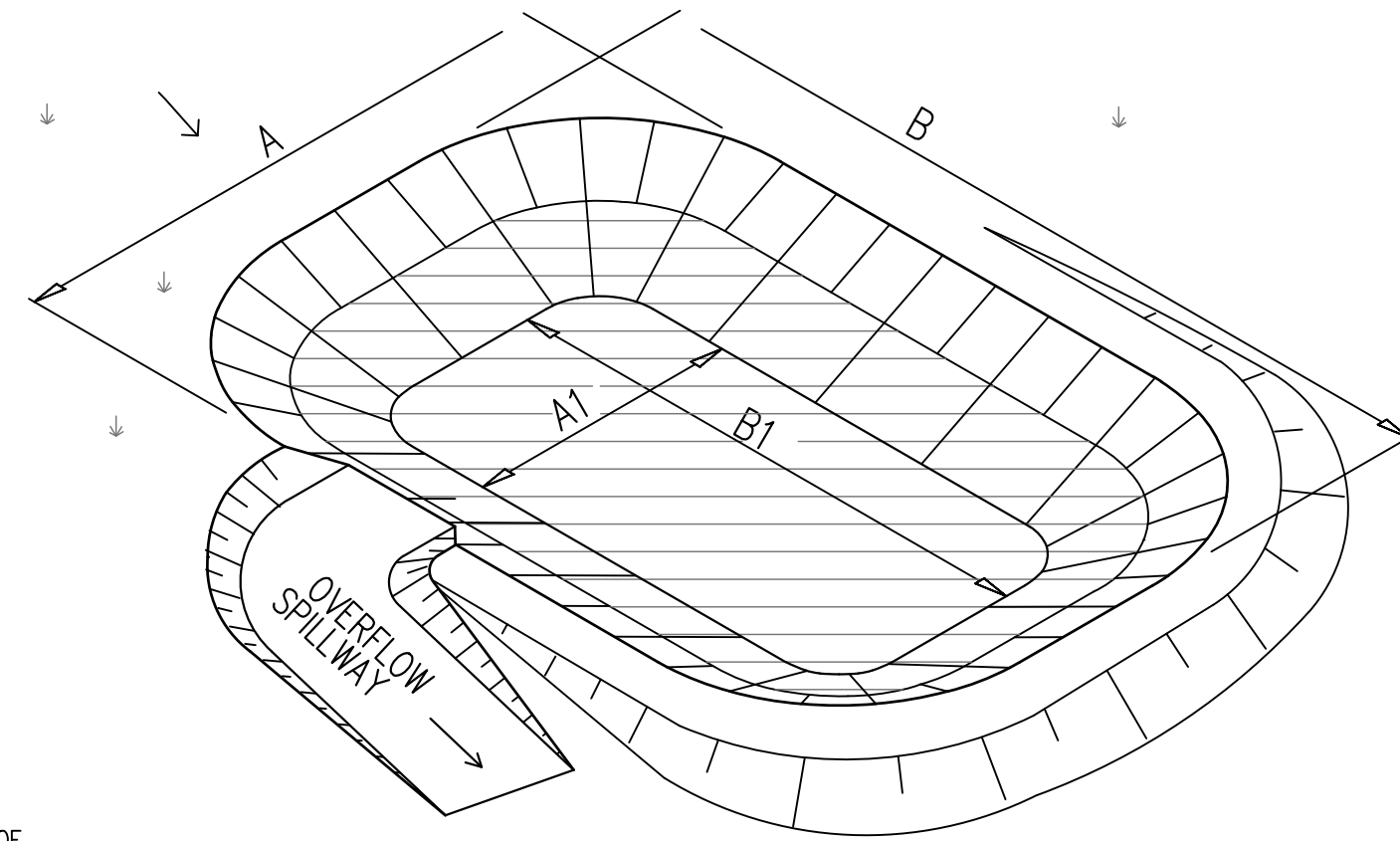
GEOTEXTILE INLET FILTER

SCALE N.T.S.

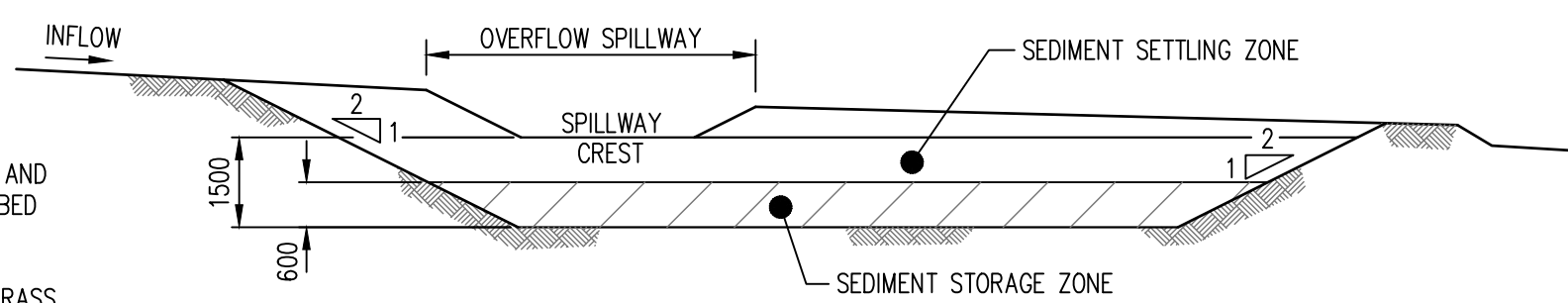


TEMPORARY GULLY TRAP DETAIL

SCALE N.T.S.



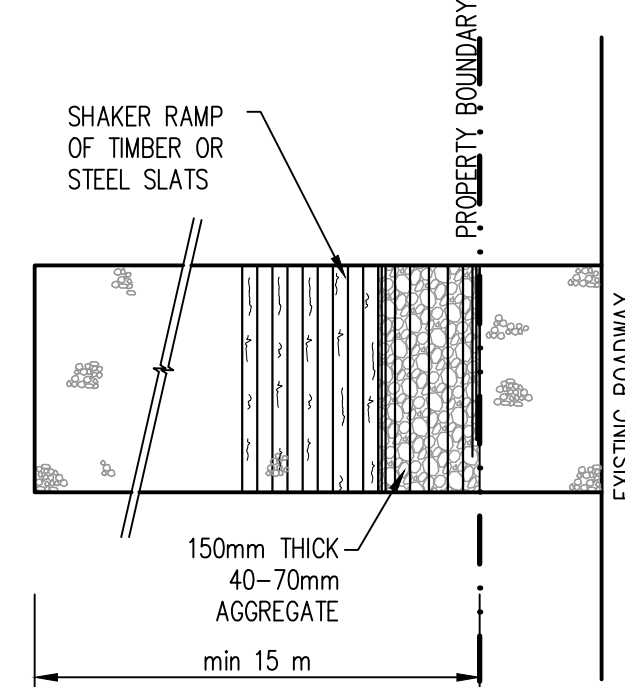
PERSPECTIVE VIEW



TYPICAL SECTION

TYPE 'D' & 'F' SEDIMENTATION BASIN

N.T.S.

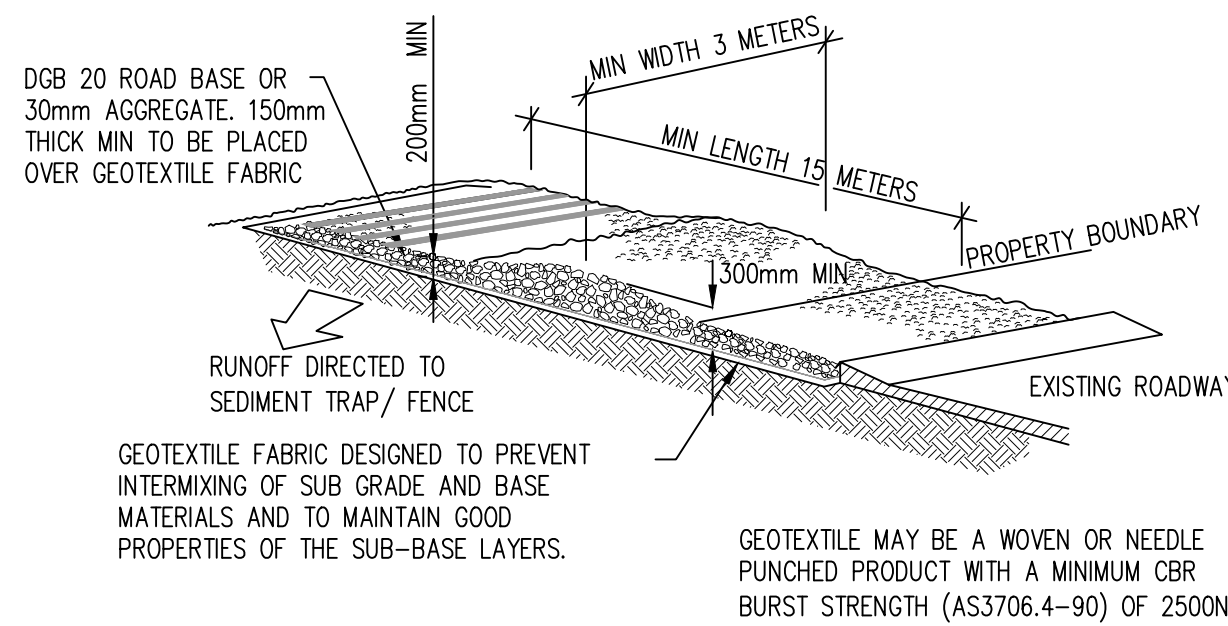


PLAN

STABILISED SITE ACCESS WITH SHAKER RAMP

N.T.S.

CONSTRUCTION SITE

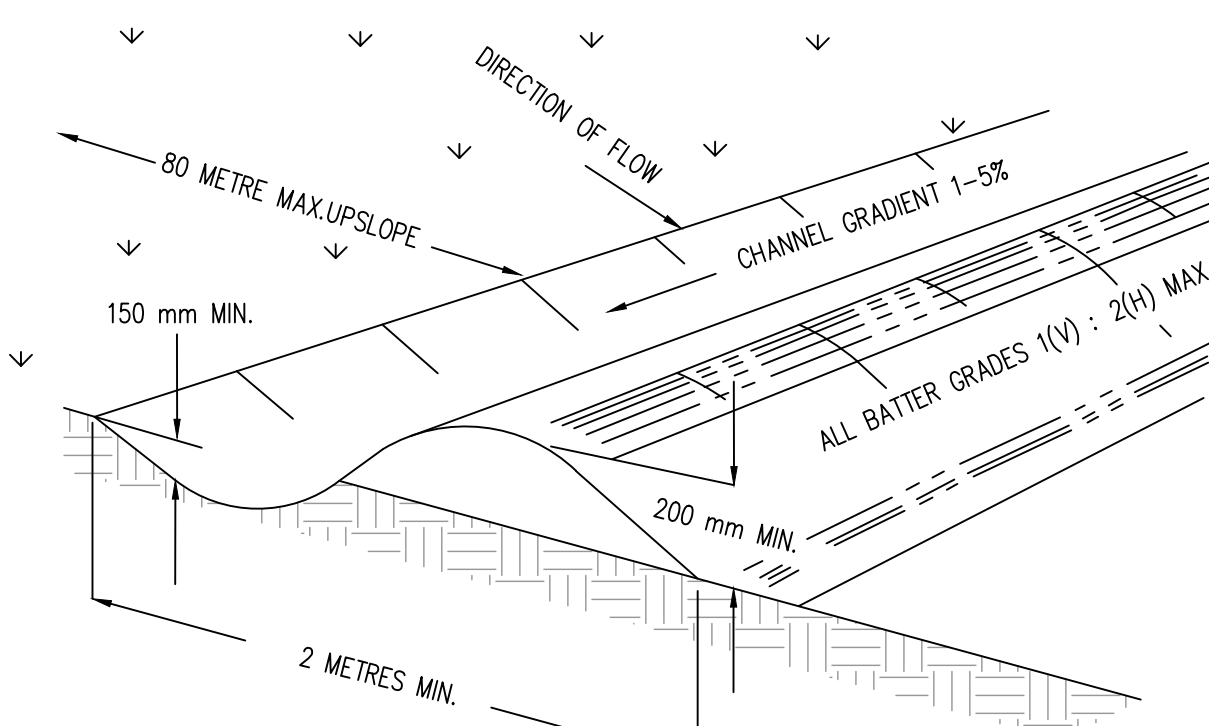


STABILISED SITE ACCESS WITH SHAKER RAMP

N.T.S.

NOTES:

- THIS DEVICE IS TO BE LOCATED AT ALL EXITS FROM CONSTRUCTION SITE.
- THIS DEVICE IS TO BE REGULARLY CLEANED OF DEPOSITED MATERIAL SO AS TO MAINTAIN A 50mm DEEP SPACE BETWEEN PLANKS.
- ANY UNSEALED ROAD BETWEEN THIS DEVICE AND NEAREST ROADWAY IS TO BE TOPPED WITH 100mm THICK 40-70mm SIZE AGGREGATE.
- ALTERNATIVELY, THREE(3) PRECAST CONCRETE CATTLE GRIDS (AS MANUFACTURED BY 'HUMES CONCRETE' MAY BE USED. 1, 2 & 3 ABOVE ALSO APPLY.



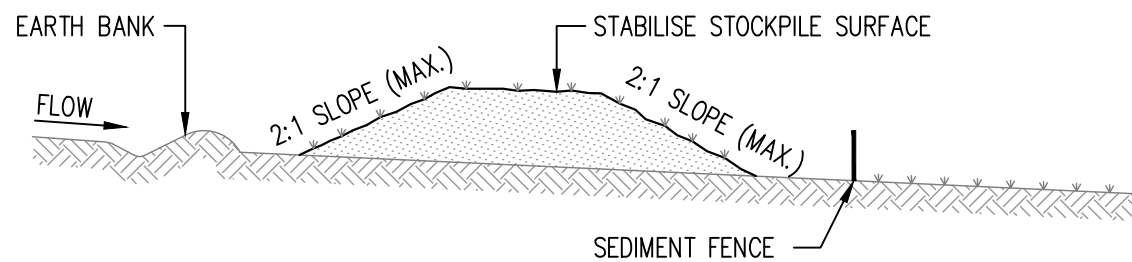
NOTE: ONLY TO BE USED AS TEMPORARY BANK WHERE MAC:UPSLOPE LENGTH IS 80 METRES.

CATCH DRAIN CONSTRUCTION NOTES:

- CONSTRUCT ALONG GRADIENT AS SPECIFIED.
- MAXIMUM SPACING BETWEEN BANKS SHALL BE 80 METRES.
- DRAINS TO BE OF PARABOLIC OR TRAPEZOIDAL CROSS SECTION NOT V-SHAPED.
- EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE.
- CONSTRUCTION IS OF A TEMPORARY NATURE AND SHALL BE COMPACTED AT THE END A DAYS WORK OR IMMEDIATELY PRIOR RAIN.
- ALL OUTLETS FROM DISTURBED LANDS ARE TO FEED INTO SEDIMENT BASIN OR SIMILAR.
- DISCHARGE RUNOFF COLLECTED FROM UNDISTURBED LANDS ONTO EITHER A STABILISED OR AN UNDISTURBED DISPOSAL AISTE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED.
- COMPACT WITH A SUITABLE IMPLEMENT IN SITUATIONS WHERE THEY ARE REQUIRED TO FUNCTION FOR MORE THAN FIVE DAYS.
- EARTH BANKS TO BE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT WILL IMPEDE NORMAL FLOW.

CATCH DRAINS

SCALE N.T.S.



STOCKPILE CONSTRUCTION NOTES:

- PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
- CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
- WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
- WHERE THEY ARE TO BE PLACED FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED E.S.C.P. OR S.W.M.P. TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
- CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.

STOCKPILES

SCALE N.T.S.

GENERAL INSTRUCTIONS

- THIS SEDIMENT AND EROSION CONTROL WORKS FOR THE SITE SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION, 4TH EDITION (2004)" BY LANDCOM.
- AS REQUIRED BY WOLLONDILLY CITY COUNCIL SEDIMENT CONTROL MEASURES WILL BE REQUIRED DURING THE CONSTRUCTION OF ALL DEVELOPMENTS/BUILDING WORKS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY THAT THE WORKS ARE CARRIED OUT IN ACCORDANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN AND COUNCIL'S REQUIREMENTS.
- THE CONTRACTOR SHALL ENSURE THAT ALL SUBCONTRACTORS ARE INFORMED OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE AREAS.
- THE NON-DISTURBED PORTION OF THE CATCHMENT OUTSIDE OF OPERATING AREA IS TO BYPASS THE BASINS BY MEANS OF LINED CATCH DRAINS.
- ENSURE THAT ALL DRAINS ARE OPERATING EFFECTIVELY AND SHALL MAKE ANY NECESSARY REPAIRS. REMOVE TRAPPED SEDIMENT WHERE THE CAPACITY OF THE TRAPPING DEVICE FALLS BELOW 60%.
- CONSTRUCT ADDITIONAL EROSION OR SEDIMENT CONTROL WORKS AS MAY BE APPROPRIATE TO ENSURE THE PROTECTION OF DOWNSLOPE LANDS AND WATERWAYS.
- MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN A FULLY FUNCTIONING CONDITION AT ALL TIMES UNTIL THE SITE IS REHABILITATED.
- REMOVE TEMPORARY SOIL CONSERVATION STRUCTURES AS THE LAST ACTIVITY IN THE REHABILITATION PROGRAM.

REV	DATE	BY	DESCRIPTION	CHK	APD
T3	25.06.2021	RL	TENDER ISSUE	JB	AV
D	16.06.2021	RL	PRE-TENDER ISSUE	PS	AV
C	21.04.2021	JP	ISSUE FOR 50% DD	PS	AV
B	30/03/2021	JP	PRELIMINARY ISSUE	PS	AV
A	11/03/2021	JP	ISSUE FOR DA	PS	AV

DRAWING STATUS:	<b>PRELIMINARY ISSUE</b> NOT TO BE USED FOR CONSTRUCTION
-----------------	---

**WSP**

GPO Box 5394, Sydney, NSW 2001  
Tel: +61 2 9272 5100 Fax: +61 2 9272 5101  
www.wsp.com

SCALE: 1:### 0 # ## @A1

SCALE INDICATED FOR REFERENCE ONLY. DO NOT SCALE DRAWING.

CLIENT: **Wollondilly**  
Shire Council

PROJECT: **WOLLONDILLY CULTURAL, COMMUNITY & CIVIC PRECINCT, BUILDING E1, MENANGLE ST, PICTON NSW 2571**

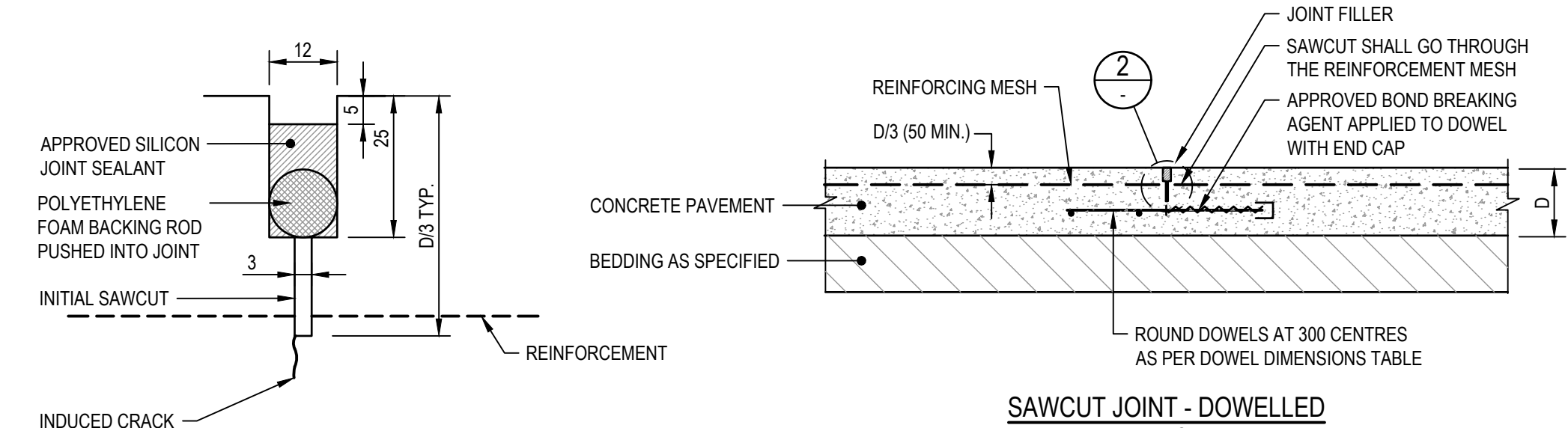
TITLE: **EROSION AND SEDIMENT CONTROL DETAIL PLAN**

SCALE @ A1: 1:200	CHECKED: PS	APPROVED: AV
PROJECT No: PS120505	DRAWN: JP	DATE: 22.06.2021

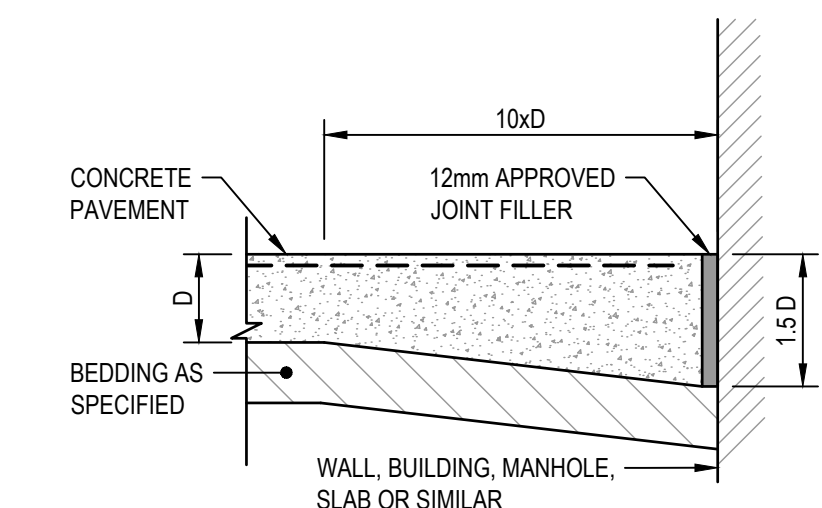
DRAWING No: PS120505-WSP-CVL-161	REV: T3
----------------------------------	---------

© WSP Australia Pty Ltd

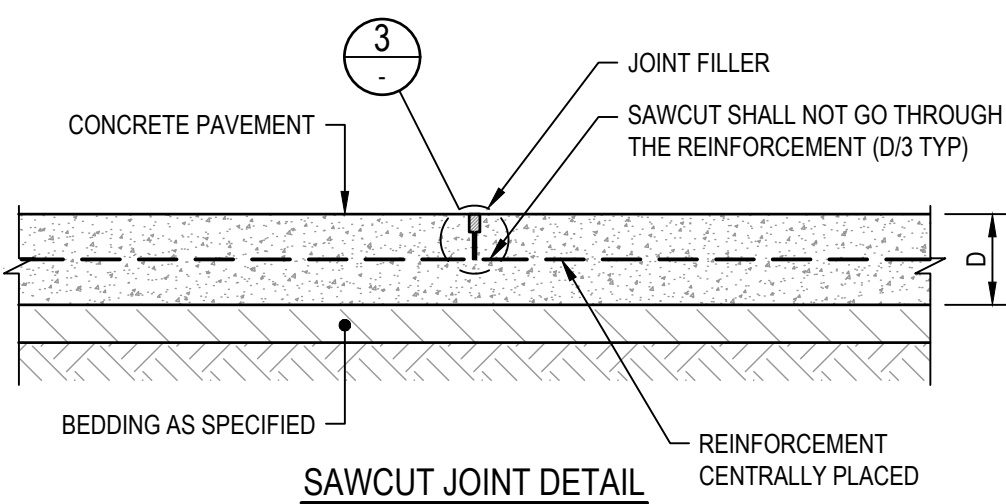




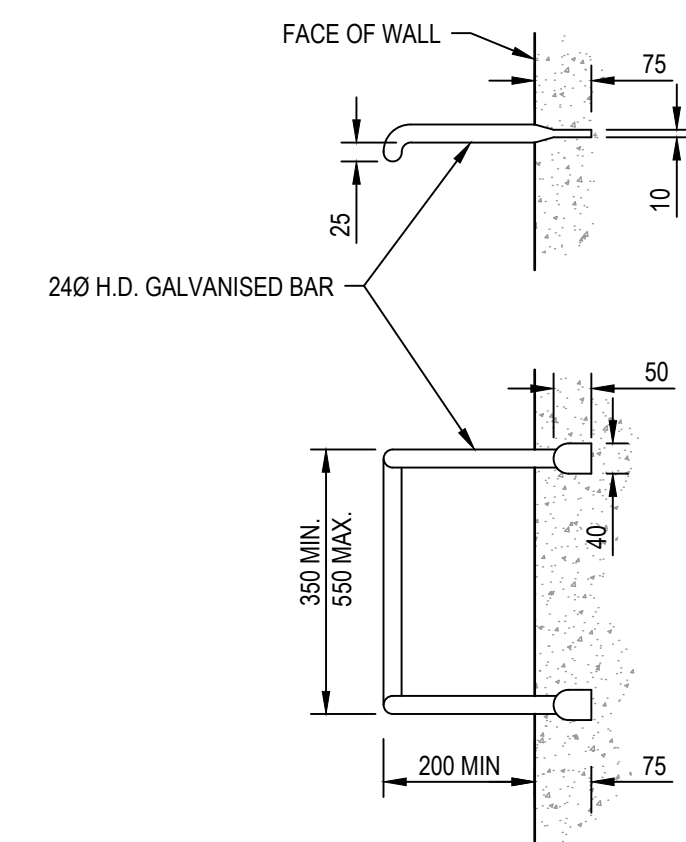
JOINT FILLER DETAIL  
SCALE 1:1



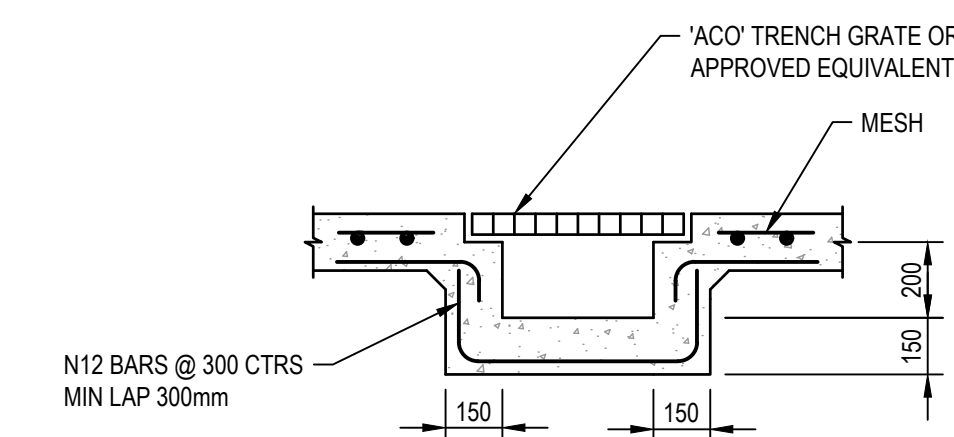
ISOLATION JOINT  
N.T.S.



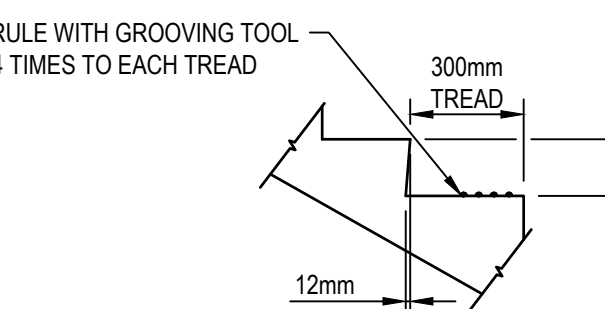
- NOTES:
- SAWCUT WITHIN 24 HOUR PERIOD AFTER CONCRETE HAS BEEN PLACED.
  - PROVIDE SAWCUT LINE AT MAXIMUM 3.0m SPACING.



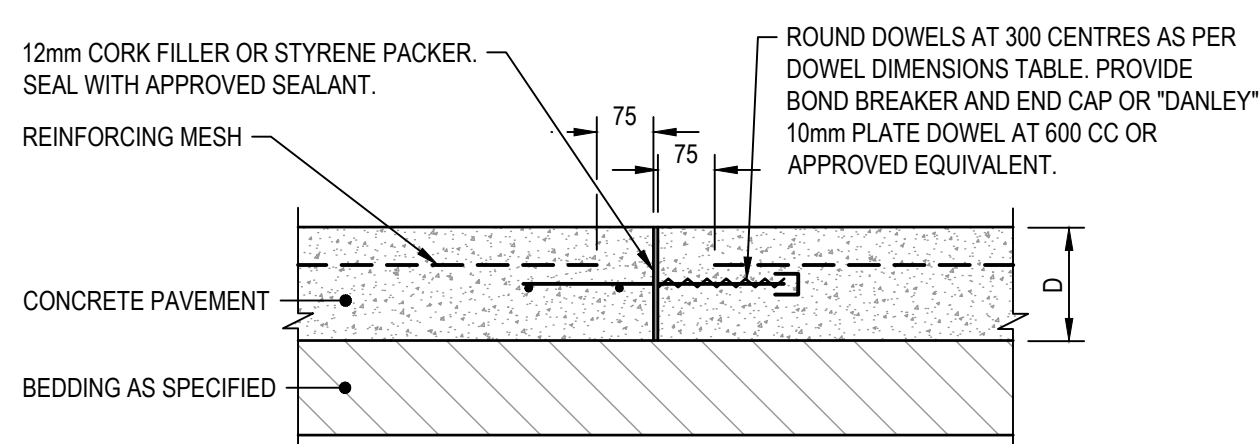
STEP IRON DETAIL  
SCALE 1:10



GRATED TRENCH DETAIL  
SCALE 1:20

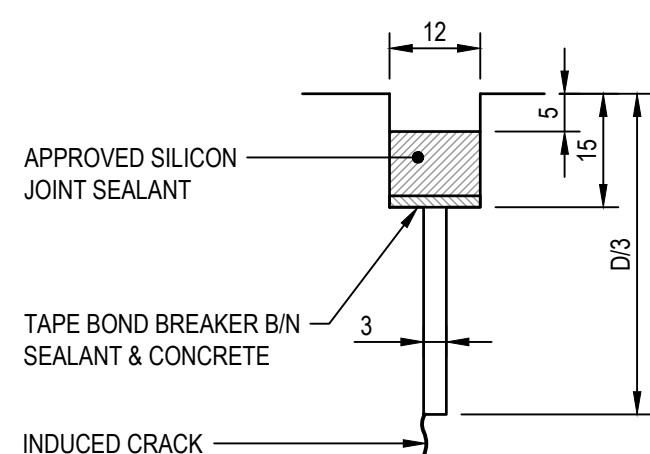


TYPICAL STEP DETAIL  
SCALE 1:20

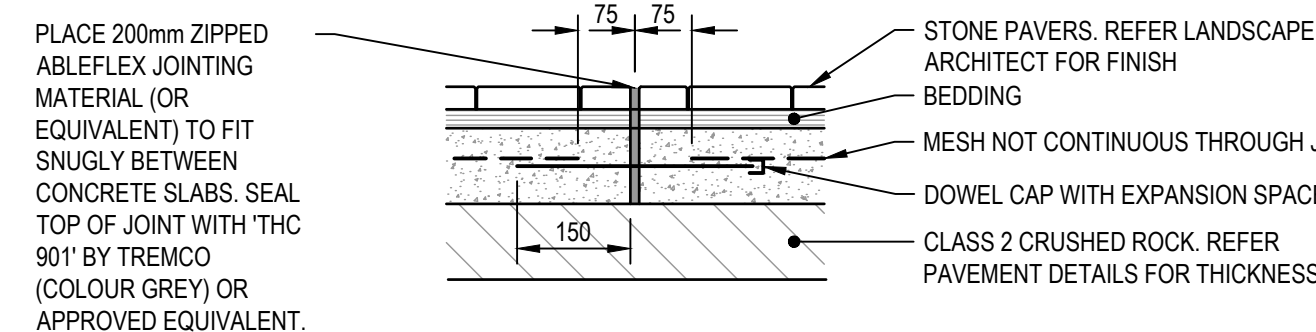


DOWELED EXPANSION JOINT  
SCALE 1:10

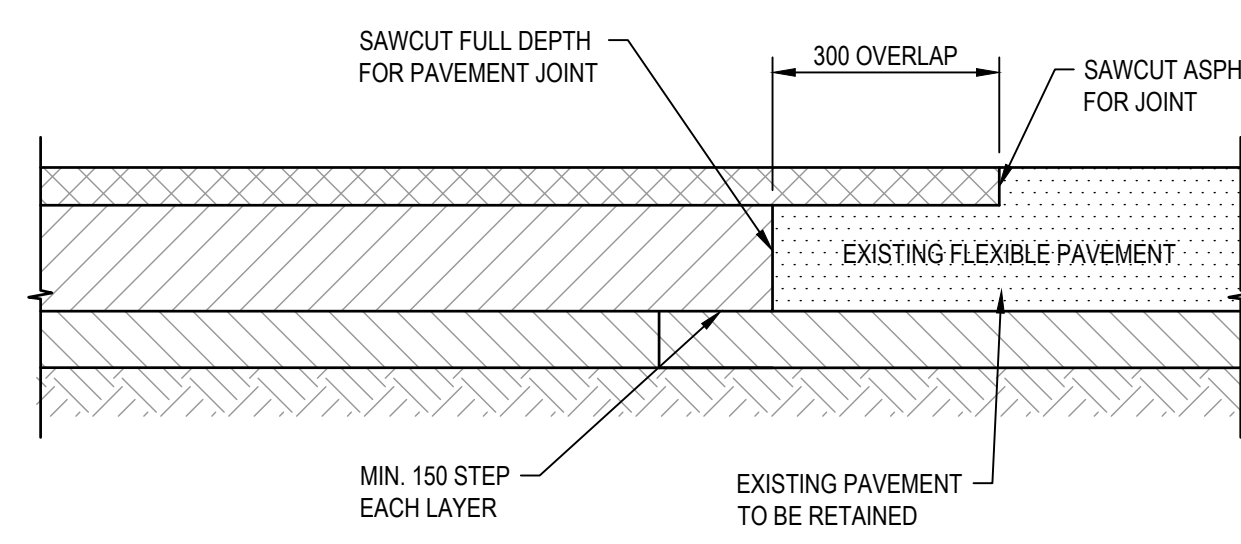
- NOTES:
- DOWEL BARS TO BE INSTALLED AT 300 CENTRES COMMENCING AT A MINIMUM OF 100mm AND A MAXIMUM OF 200mm FROM THE EDGE OF PATH. DOWEL BARS TO BE SECURELY TIED TO LONGITUDINAL REINFORCING MESH.
  - EXPANSION JOINT (EJ) TO BE INSTALLED AT A MAXIMUM OF 12m CENTRES.



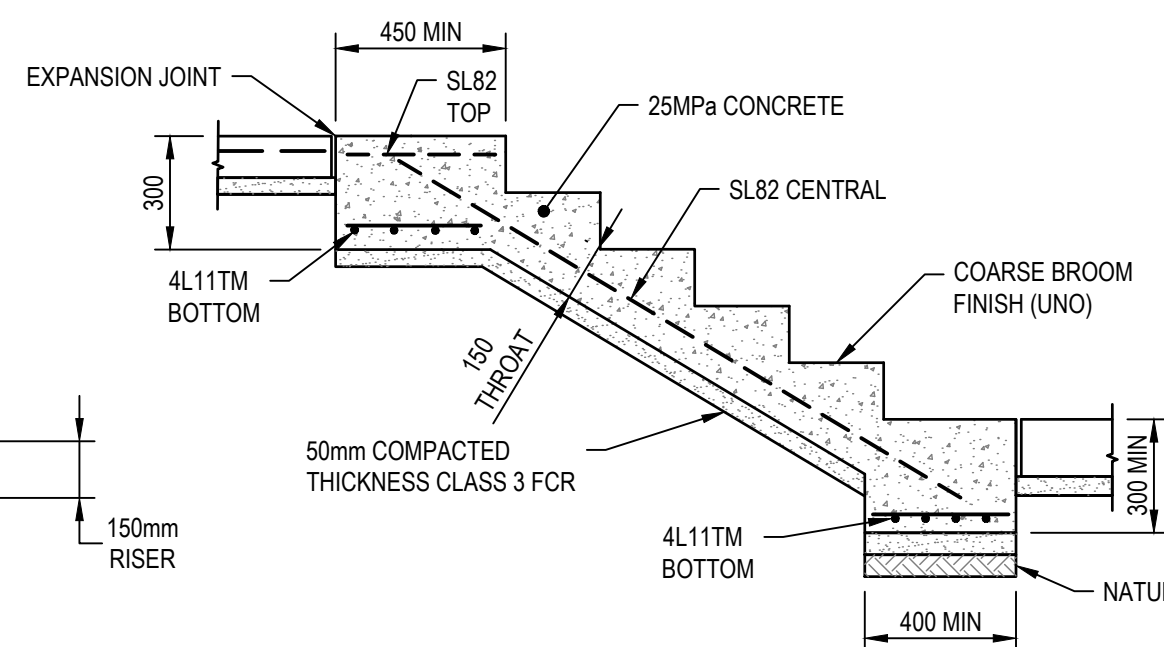
JOINT FILLER DETAIL  
SCALE 1:1



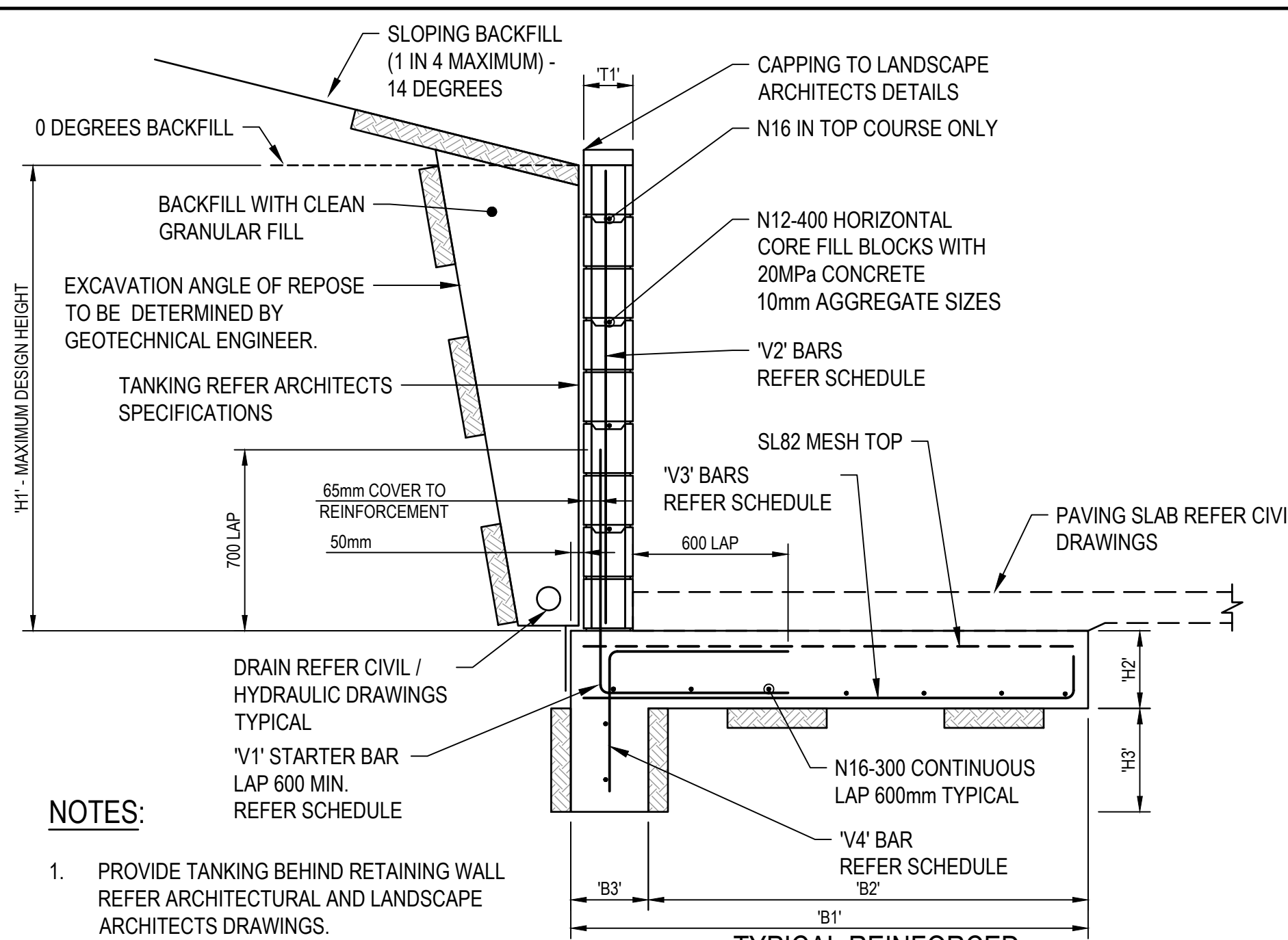
EXPANSION JOINT BETWEEN PAVERS  
MAXIMUM 12m SPACING  
SCALE 1:10



MATCHING OF EXISTING AND PROPOSED FLEXIBLE PAVEMENT  
SCALE 1:10

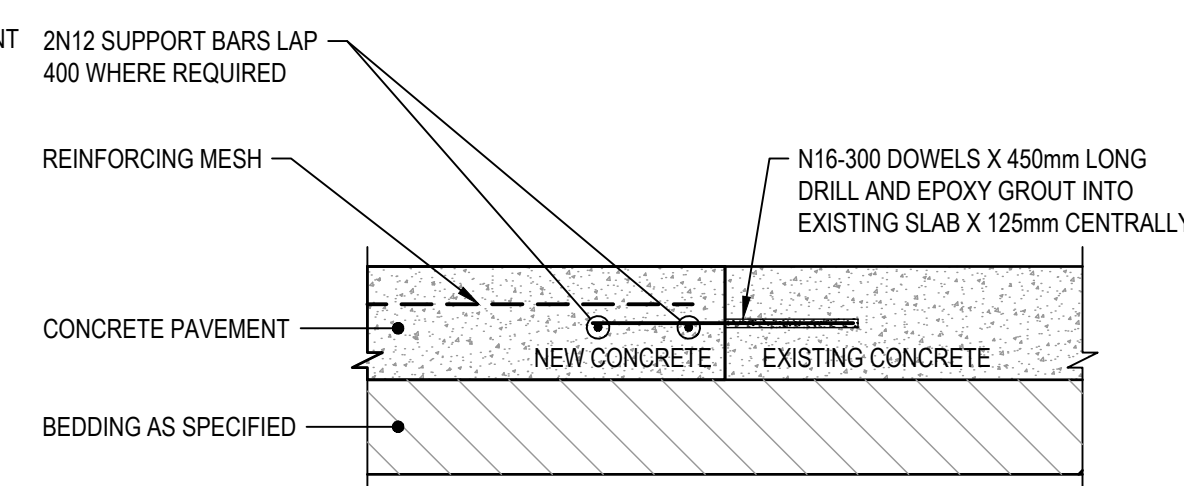


CONCRETE STAIRS DETAIL  
SCALE 1:20

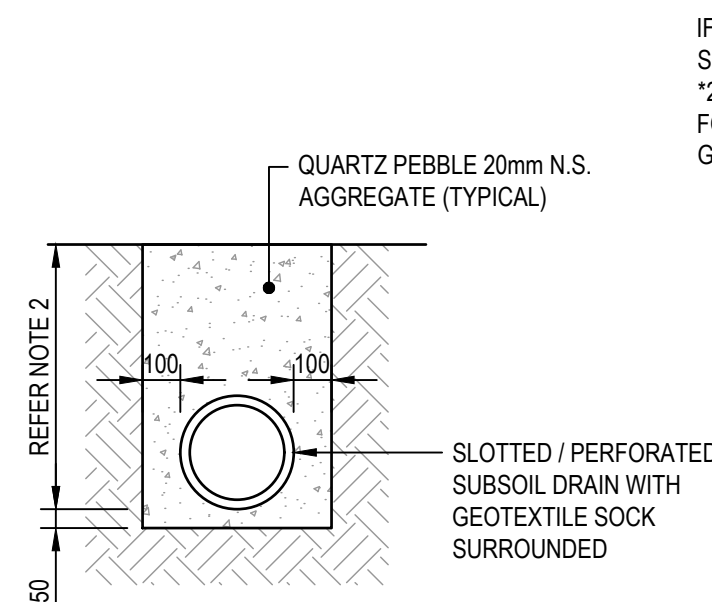


TYPICAL REINFORCED  
BLOCK RETAINING WALL DETAIL  
SCALE 1:25

- NOTES:
- PROVIDE TANKING BEHIND RETAINING WALL REFER ARCHITECTURAL AND LANDSCAPE ARCHITECTS DRAWINGS.
  - REFER CIVIL/ARCHITECTURAL AND LANDSCAPE ARCHITECTURAL DRAWINGS FOR RETAINING WALL LOCATIONS AND EXTENT.
  - REFER GEOTECHNICAL ENGINEER REPORT.
  - REFER GENERAL NOTES
  - FOOTING CONCRETE STRENGTH = 32MPa
  - FOOTING TO BE FOUNDED IN VERY STIFF ALLUVIUM SILTY CLAY TO ACHIEVE 100kPa ALLOWABLE BEARING. PROVIDE 15MPa BLINDING CONCRETE TO SUITABLE FOUNDED



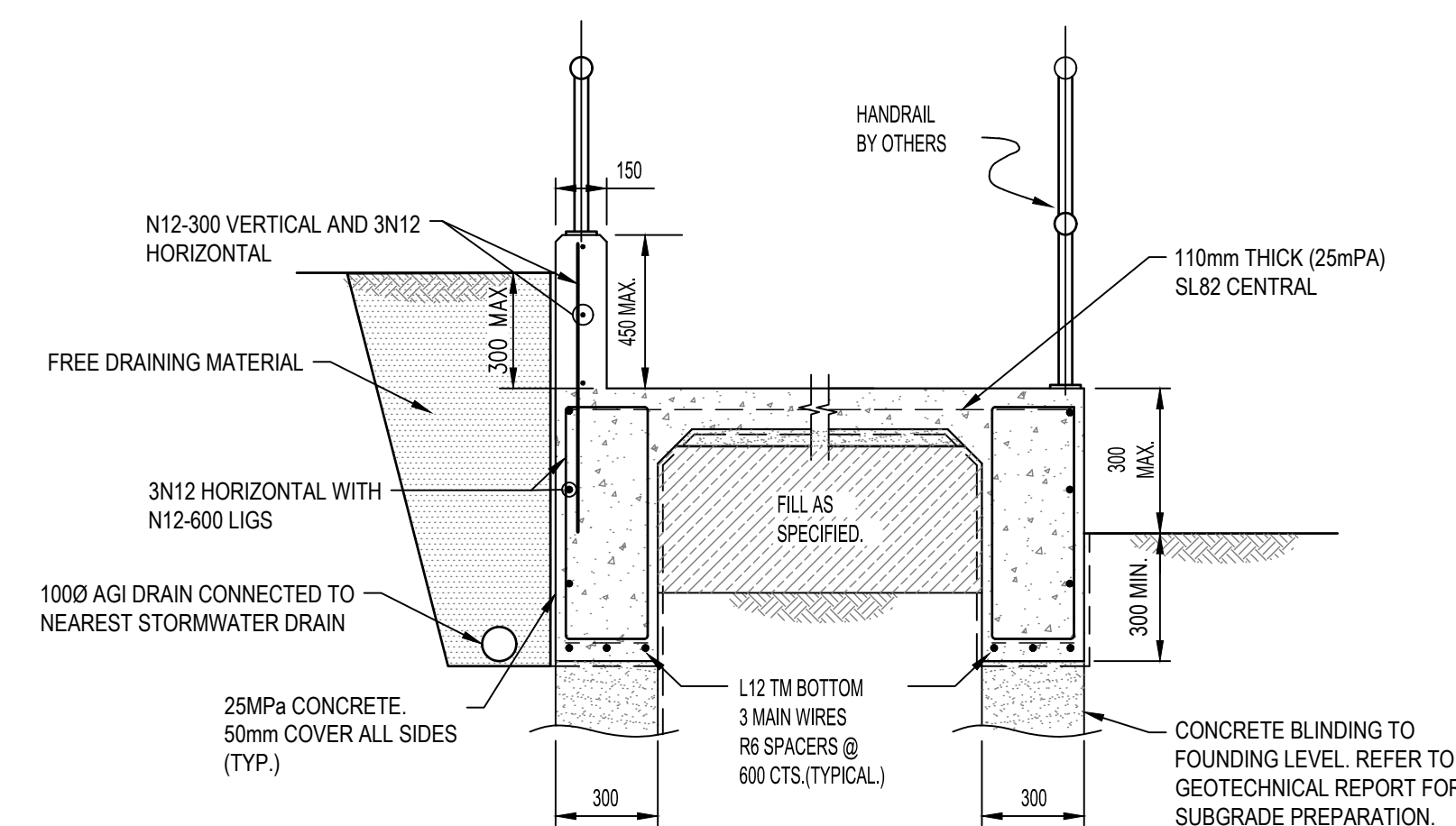
TIED CONSTRUCTION JOINT MATCHING  
OF NEW AND EXISTING CONCRETE  
N.T.S.



#### NOTES:

- THE INVERT LEVEL OF THE PIPES SHALL NOT BE LESS THAN:
  - 500mm BELOW SURFACE or
  - 200mm BELOW PAVEMENT SUBGRADE.
- UNDER PAVEMENT BACKFILL TO BE NO FINE CONCRETE - CLASS 1000.
- SCORIA AGGREGATE IS NOT PERMITTED FOR USE.

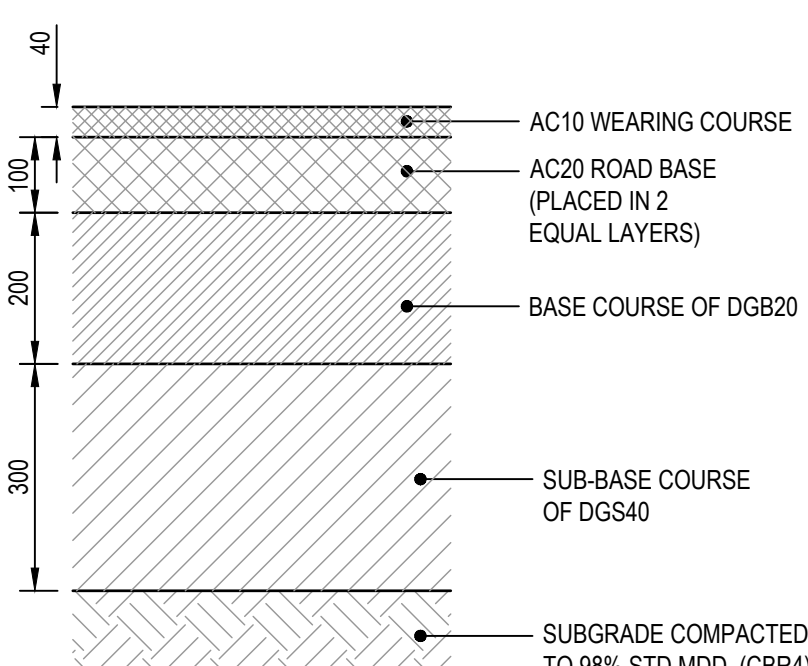
TYPICAL SUBSOIL DRAIN DETAILS  
SCALE 1:20



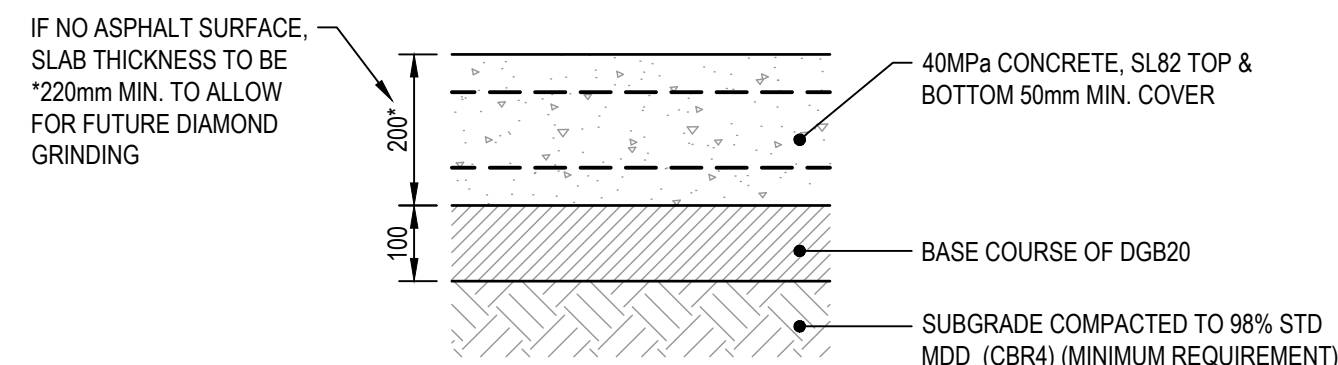
TYPICAL SECTION THROUGH RAMP  
N.T.S.

### REINFORCED BLOCK RETAINING WALL SCHEDULE LIVE LOAD VERTICAL SURCHARGE = 5 kPa MAXIMUM BACKFILL SLOPE = 14 DEGREES - FOUNDATION CHARACTERISTIC FRICTION ANGLE = 30 DEGREES

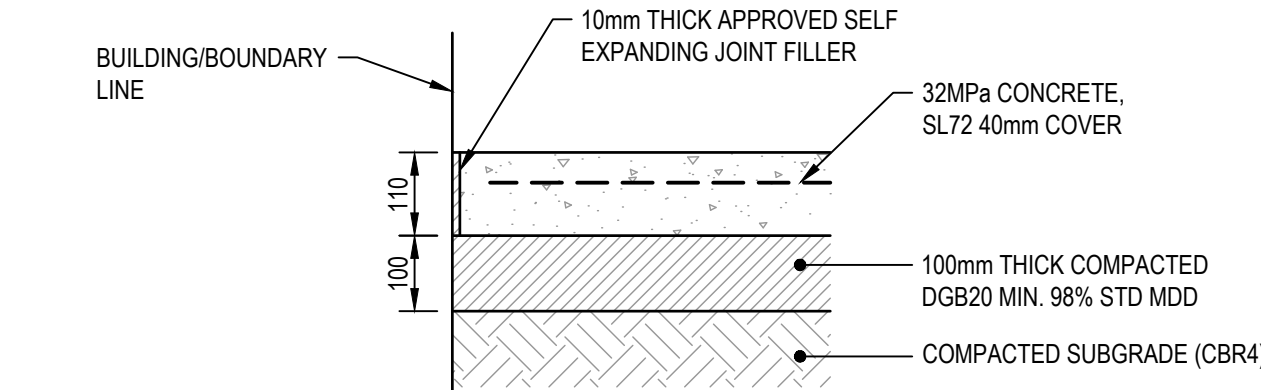
'H1' (mm)	'H2' (mm)	'H3' (mm)	'T1' (mm)	'B1' (mm)	'B2' (mm)	'B3' (mm)	REINFORCEMENT			
							'V1' BARS	'V2' BARS	'V3' BARS	'V4' BARS
800	300	200	140	800	500	300	N12-200 GALVANISED	N12-400	N12-200	N12-200
1000	300	300	140	1000	700	300	N12-200 GALVANISED	N12-400	N12-200	N12-200
1200	300	300	140	1300	1000	300	N12-200 GALVANISED	N12-400	N12-200	N12-200
1400	300	300	190	1500	1200	300	N16-200 GALVANISED	N16-400	N16-200	N16-200



HEAVY DUTY ASPHALT PAVEMENT  
SCALE 1:10



HEAVY DUTY CONCRETE PAVEMENT  
SCALE 1:10

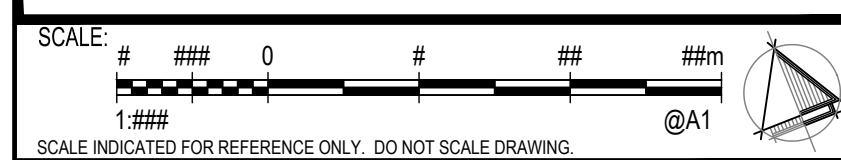


LIGHT DUTY CONCRETE PAVEMENT  
SCALE 1:10

T1	25/06/2021	RL	TENDER ISSUE	JB	AV
REV	DATE	BY	DESCRIPTION	CHK	APD

DRAWING STATUS: **PRELIMINARY ISSUE**  
NOT TO BE USED FOR CONSTRUCTION

**WSP**  
GPO Box 5394, Sydney, NSW 2001  
Tel: +61 2 9272 5100 Fax: +61 2 9272 5101  
www.wsp.com



PROJECT: **WOLLONDILLY CULTURAL, COMMUNITY & CIVIC PRECINCT, BUILDING E1.**  
**MENANGLE ST, PICTON NSW 2571**

TITLE: **CIVIL DETAILS**  
**SHEET 2 OF 2**

SCALE @ A1: 1:200	CHECKED: PS	APPROVED: AV
PROJECT No: <b>PS120505</b>	DRAWN: JP	DATE: <b>23.06.2021</b>

DRAWING No: <b>PS120505-WSP-CVL-163</b>	REV: <b>T1</b>
--	-------------------

© WSP Australia Pty Ltd