

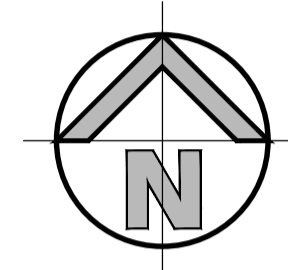
PROPOSED HEALTHCARE DEVELOPMENT

285, 287, 287A, 289, 293, 295 MONA VALE ROAD & 1 FLINDERS AVENUE, ST IVES, NSW

CIVIL ENGINEERING WORKS

GENERAL NOTES:

- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH KU-RING-GAI COUNCIL'S SPECIFICATION. CONTRACTOR TO OBTAIN AND RETAIN A COPY ON SITE DURING THE COURSE OF THE WORKS.
- ALL NEW WORKS ARE TO MAKE A SMOOTH JUNCTION WITH EXISTING CONDITIONS AND MARRY IN A 'WORKMANLIKE' MANNER.
- THE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL SERVICES WITH EACH RELEVANT AUTHORITY. ANY DAMAGE TO SERVICES SHALL BE RECTIFIED BY THE CONTRACTOR OR THE RELEVANT AUTHORITY AT THE CONTRACTOR'S EXPENSE. SERVICES SHOWN ON THESE PLANS ARE ONLY THOSE EVIDENT AT THE TIME OF SURVEY OR AS DETERMINED FROM SERVICE DIAGRAMS. H & H CONSULTING ENGINEERS PTY. LTD CANNOT GUARANTEE THE INFORMATION SHOWN NOR ACCEPT ANY RESPONSIBILITY FOR INACCURACIES OR INCOMPLETE DATA.
- SERVICES & ACCESSES TO THE EXISTING PROPERTIES ARE TO BE MAINTAINED IN WORKING ORDER AT ALL TIMES DURING CONSTRUCTION.
- ADJUST EXISTING SERVICE COVERS TO SUIT NEW FINISHED LEVELS TO RELEVANT AUTHORITY REQUIREMENTS WHERE NECESSARY.
- REINSTATE AND STABILISE ALL DISTURBED LANDSCAPED AREAS.
- MINIMUM GRADE OF SUBSOIL SHALL BE 0.5% (1:200) FALL TO OUTLETS.
- ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS, EROSION AND SEDIMENTATION CONTROL PLAN AND KU-RING-GAI COUNCIL'S REQUIREMENTS WHERE APPLICABLE.
- CONTRACTOR TO CHECK AND CONFIRM SITE DRAINAGE CONNECTIONS ACROSS THE VERGE PRIOR TO COMMENCEMENT OF SITE DRAINAGE WORKS.
- PROPERTIES AFFECTED BY THE WORKS ARE TO BE NOTIFIED IN ADVANCE WHERE DISRUPTION TO EXISTING ACCESS IS LIKELY.



LOCALITY SKETCH

SCALE: N.T.S.

DRAWING SCHEDULE

Code	Description
22K93_D4_C000	COVER SHEET, DRAWING SCHEDULE, NOTES AND LOCALITY SKETCH
22K93_D4_C101	DETAIL PLAN - LOWER GROUND - SHEET 1 OF 3
22K93_D4_C102	DETAIL PLAN - GROUND - SHEET 2 OF 3
22K93_D4_C103	DETAIL PLAN - LEVEL 1 - SHEET 3 OF 3
22K93_D4_C110	TYPICAL SECTIONS, SHEET 1 OF 2
22K93_D4_C111	TYPICAL SECTIONS, SHEET 2 OF 2
22K93_D4_C200	STORMWATER MISCELLANEOUS DETAILS AND PIT LID SCHEDULE
22K93_D4_C201	OSD TANK 1 PLAN, SECTIONS AND DETAILS
22K93_D4_C202	OSD TANK 2 PLAN, SECTIONS AND DETAILS
22K93_D4_C250	STORMWATER POST-DEV CATCHMENT PLAN
22K93_D4_C251	STORMWATER PRE-DEV CATCHMENT PLAN
22K93_D4_SE01	SEDIMENT AND EROSION CONTROL PLAN
22K93_D4_SE02	SEDIMENT AND EROSION CONTROL DETAILS
22K93_D4_BE01	BULK EARTHWORKS CUT AND FILL PLAN

SITeworks NOTES

- DATUM: A.H.D.
- ORIGIN OF LEVELS: REFER TO BENCH OR STATE SURVEY MARKS WHERE SHOWN ON PLAN.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO THE COMMENCEMENT OF WORK.
- ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS & THE DIRECTIONS OF THE SUPERINTENDENT.
- EXISTING SERVICES UNLESS SHOWN ON THE SURVEY PLAN HAVE BEEN PLOTTED FROM SERVICES SEARCH PLANS AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
- WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS ACHIEVED.
- THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.
- CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATION IS TO BE UNDERTAKEN OVER TELSTRA OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS.
- CONTRACTOR TO OBTAIN AUTHORITY APPROVALS WHERE APPLICABLE.
- MAKE SMOOTH TRANSITION TO EXISTING SURFACES AND MAKE GOOD.
- THESE PLANS SHALL BE READ IN CONJUNCTION WITH APPROVED LANDSCAPE, ARCHITECTURAL, STRUCTURAL, HYDRAULIC AND MECHANICAL DRAWINGS AND SPECIFICATIONS OR WRITTEN INSTRUCTIONS THAT MAY BE ISSUED RELATING TO DEVELOPMENT AT THE SITE.
- TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MINIMUM OF 50mm IN BITUMINOUS PAVING.
- ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND BRICK PAVING SHALL BE LOCATED IN Ø80 uPVC SEWER GRADE CONDUITS EXTENDING A MINIMUM OF 500mm BEYOND EDGE OF PAVING.
- GRADES TO PAVEMENTS TO BE AS IMPLIED BY RL'S ON PLAN. GRADE EVENLY BETWEEN NOMINATED RL'S. AREAS EXHIBITING PONDING GREATER THAN 5mm DEPTH WILL NOT BE ACCEPTED UNLESS IN A DESIGNATED SAG POINT.
- ALL COVERS AND GRATES ETC TO EXISTING SERVICE UTILITIES ARE TO BE ADJUSTED TO SUIT NEW FINISHED SURFACE LEVELS WHERE APPLICABLE.

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY THE SURVEYOR SPECIFIED IN THE TITLE BLOCK. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. HENRY AND HYMAS PTY. LTD. DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT HENRY AND HYMAS PTY. LTD. THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM ORIGINAL SURVEY DOCUMENTS.

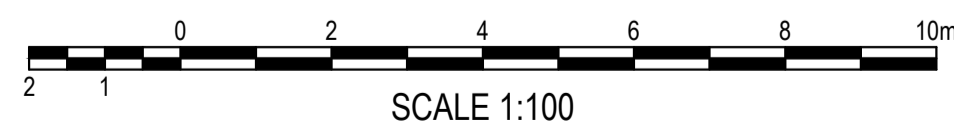
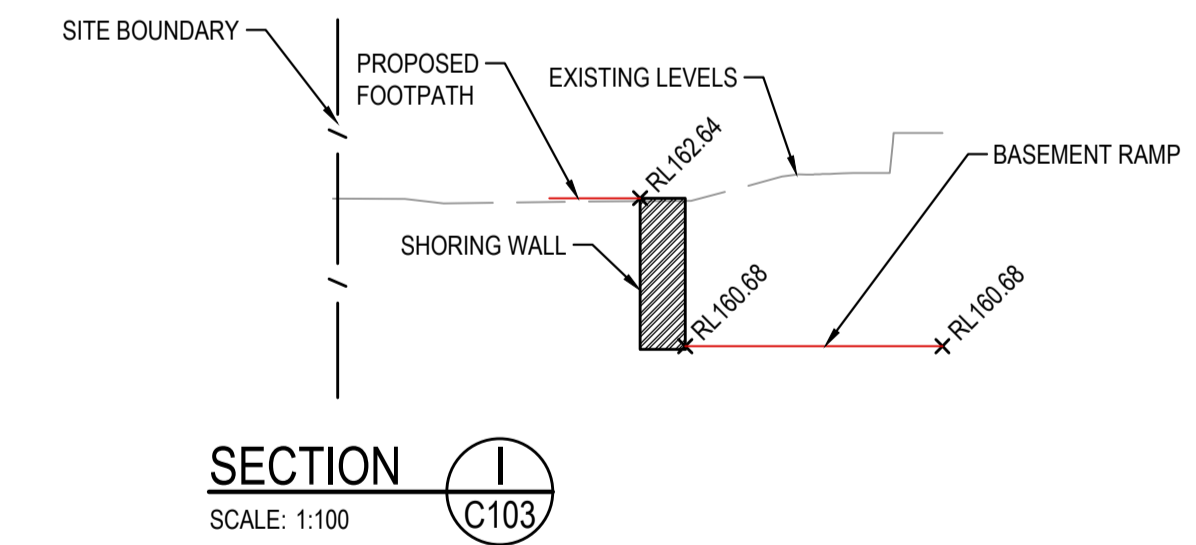
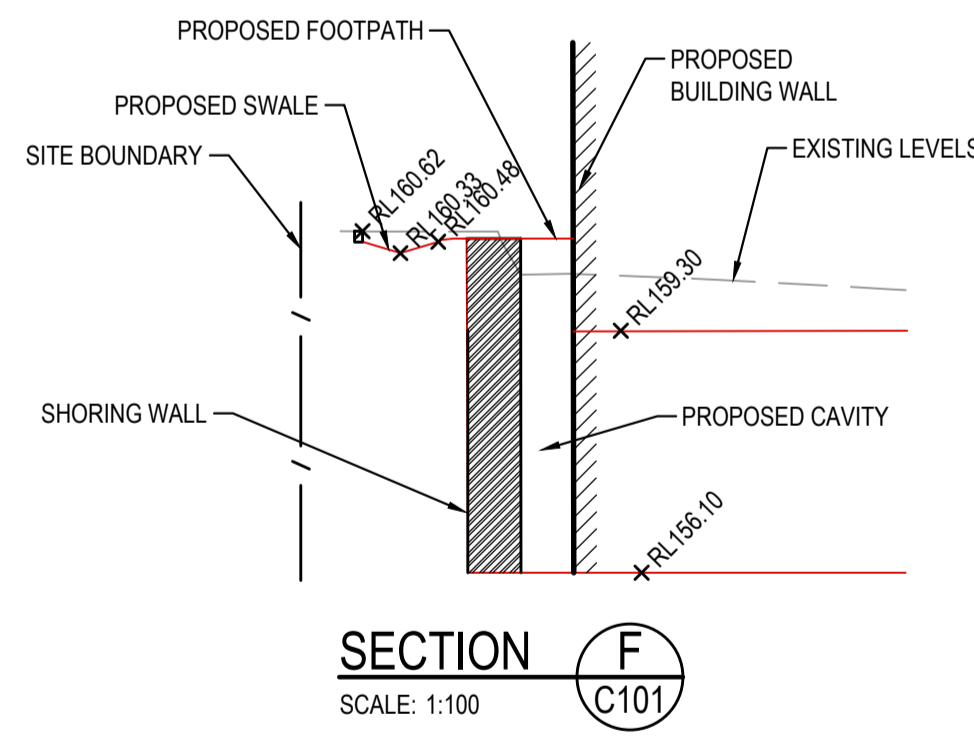
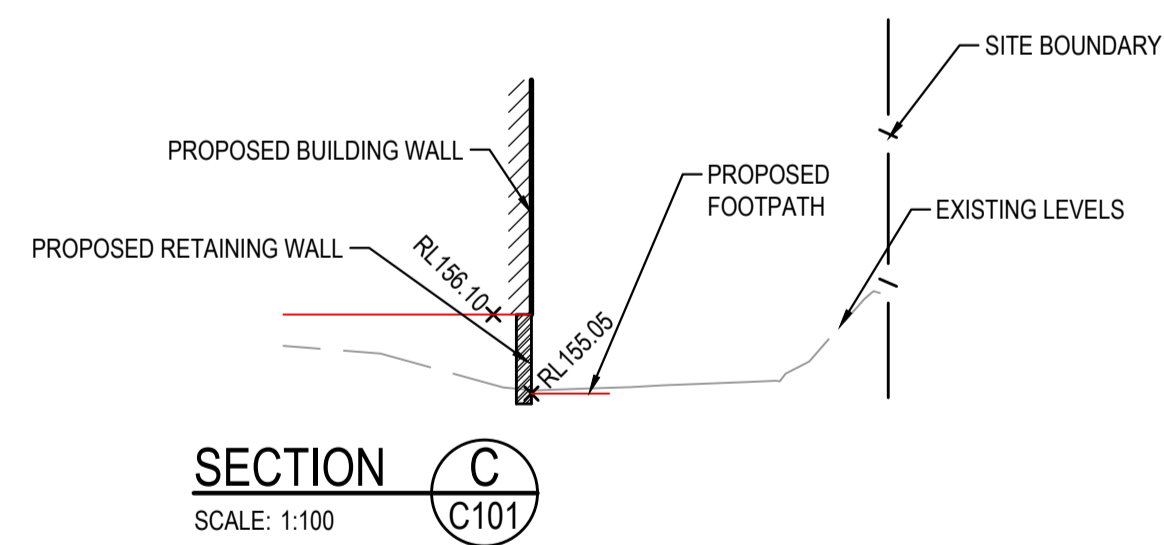
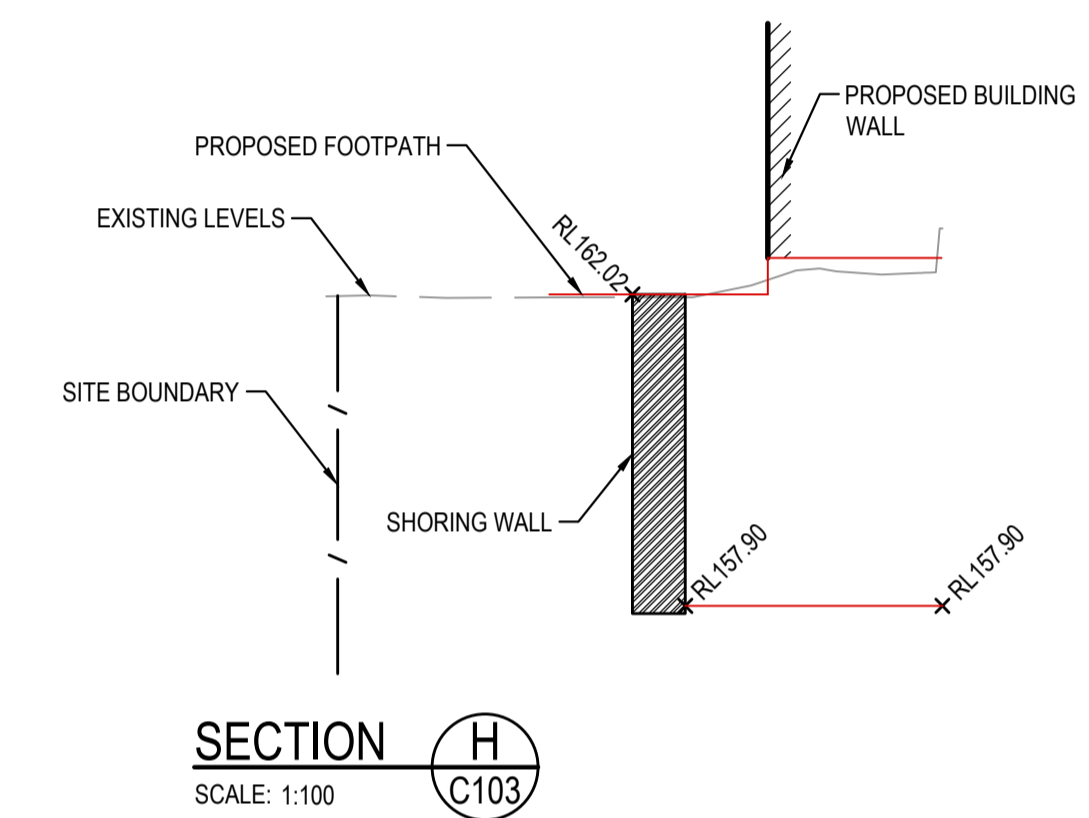
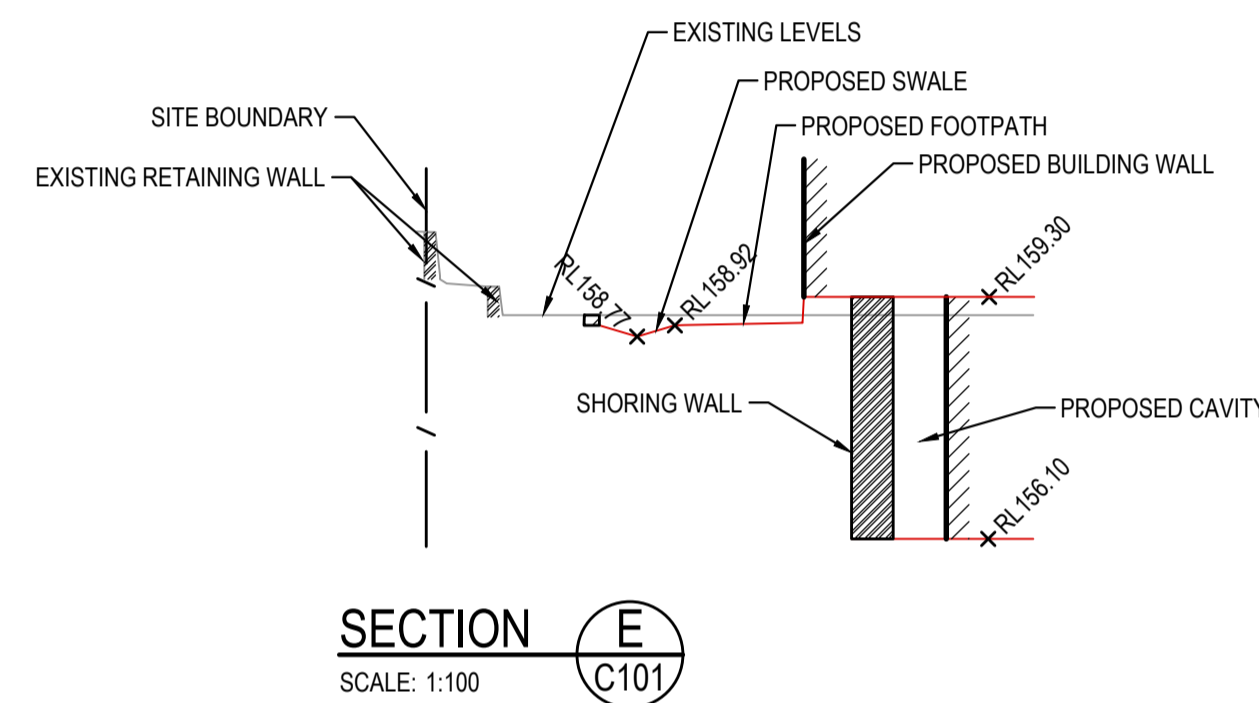
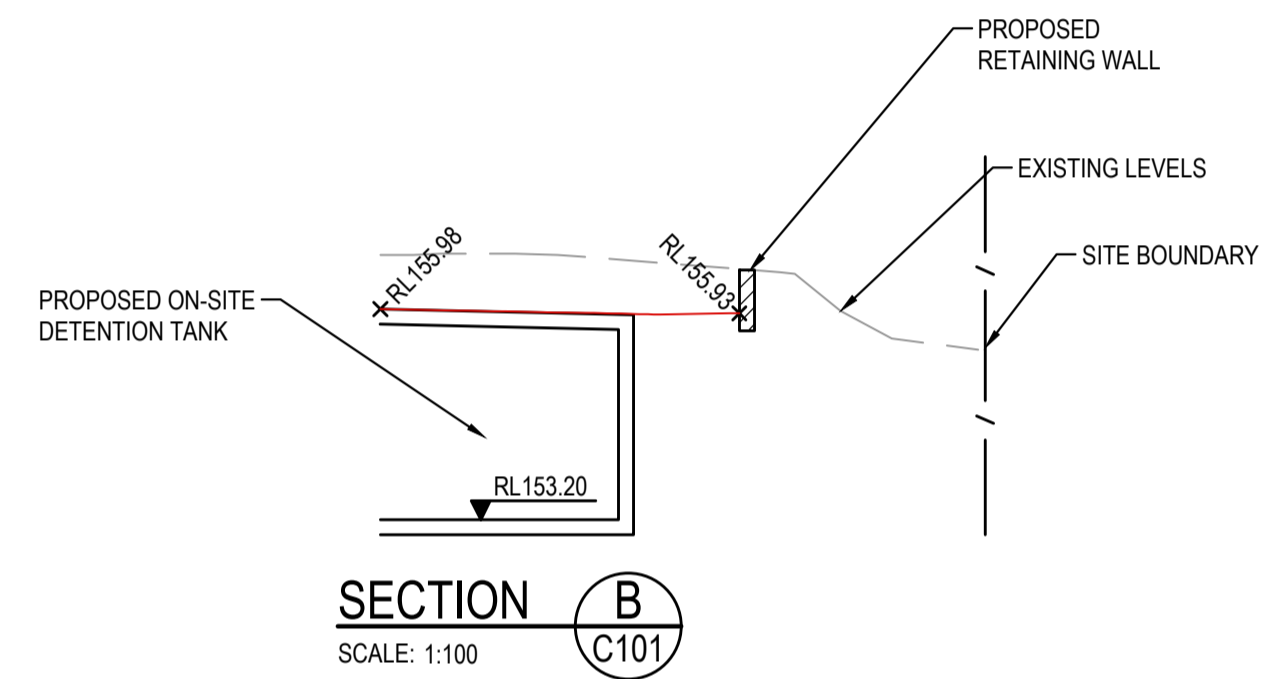
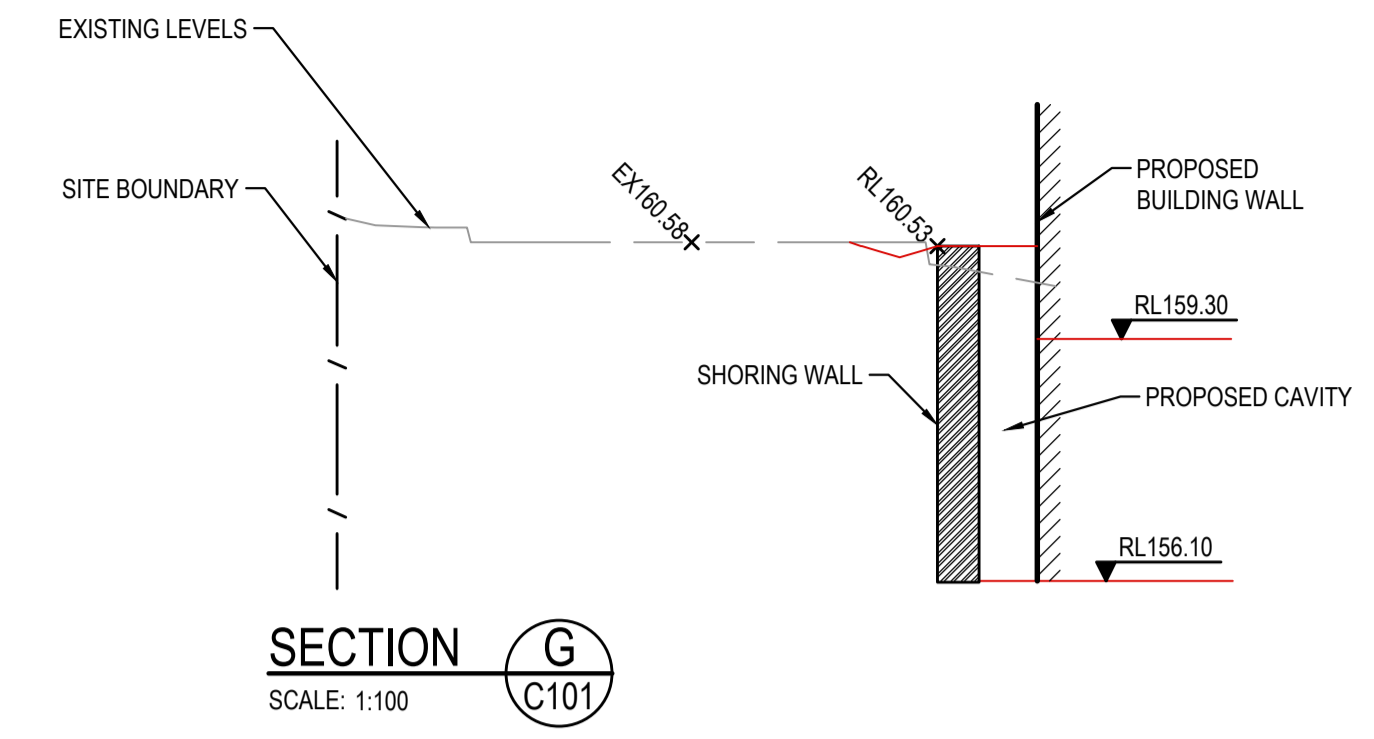
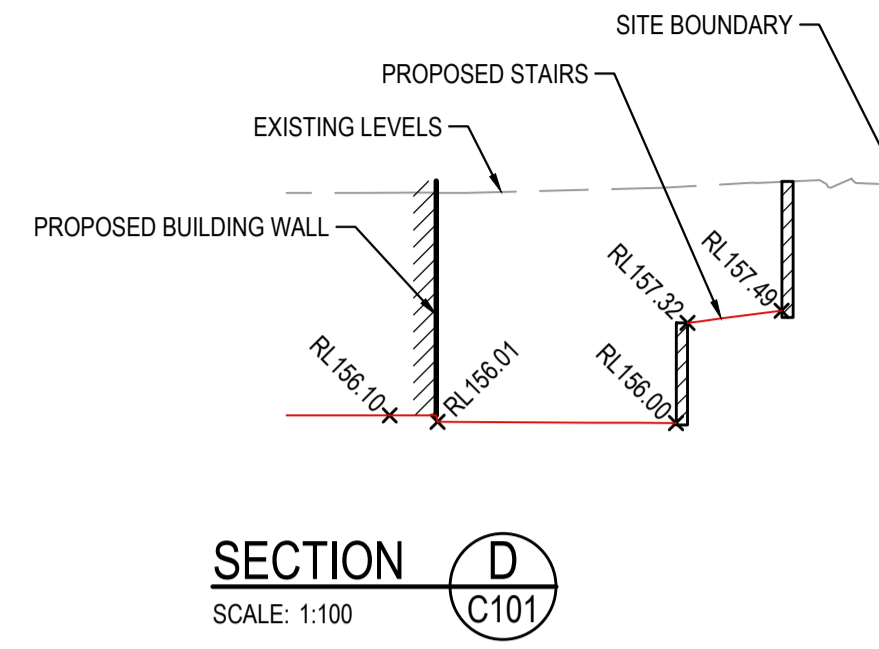
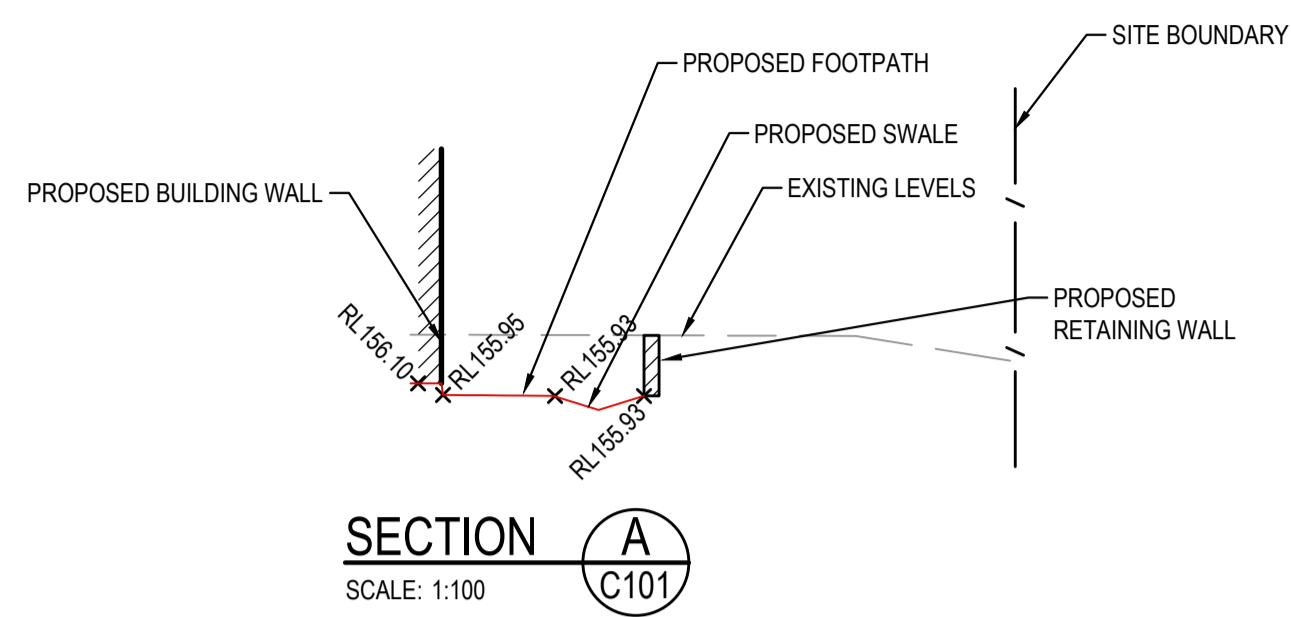
EXISTING SERVICES & FEATURES

- THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL (IF REQUIRED) OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA OR AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT.
- THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
- PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN APPROVAL OF HIS PROGRAM FOR THE RELOCATION/ CONSTRUCTION OF TEMPORARY SERVICES.
- CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN SUPPLY TO EXISTING BUILDING REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED, THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.
- INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO THE PRINCIPAL. CONTRACTOR TO GAIN APPROVAL FROM THE SUPERINTENDENT FOR TIME OF INTERRUPTION.
- EXISTING SERVICES, BUILDINGS, EXTERNAL STRUCTURES AND TREES SHOWN ON THESE DRAWINGS ARE EXISTING FEATURES PRIOR TO ANY DEMOLITION WORKS.
- EXISTING SERVICES UNLESS SHOWN ON SURVEY PLAN HAVE BEEN PLOTTED FROM SERVICES SEARCH PLANS AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE A 'DIAL BEFORE YOU DIG' SEARCH AND TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
- ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND BRICK PAVING SHALL BE LOCATED IN Ø80 uPVC SEWER GRADE CONDUITS EXTENDING A MINIMUM OF 500mm BEYOND EDGE OF PAVING.

NOTE:
CLOUDING IN RED REFLECTS CHANGES TO THE DESIGN SINCE THE PREVIOUS SSD APPLICATION (SSD-48028209)

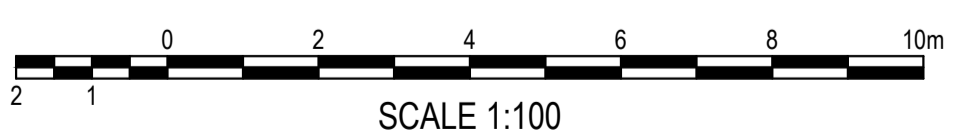
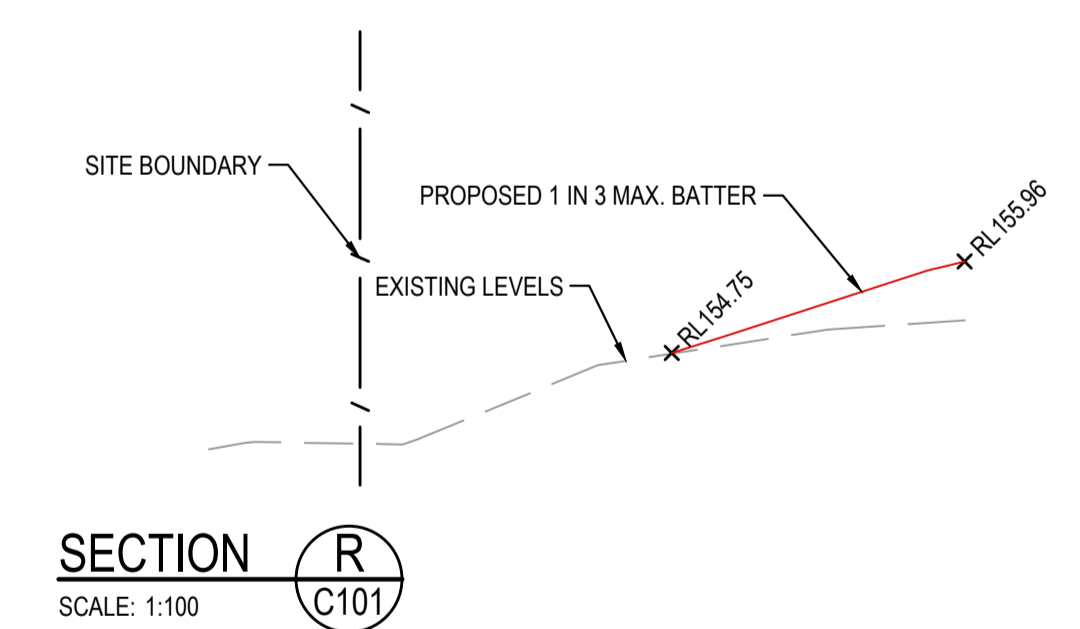
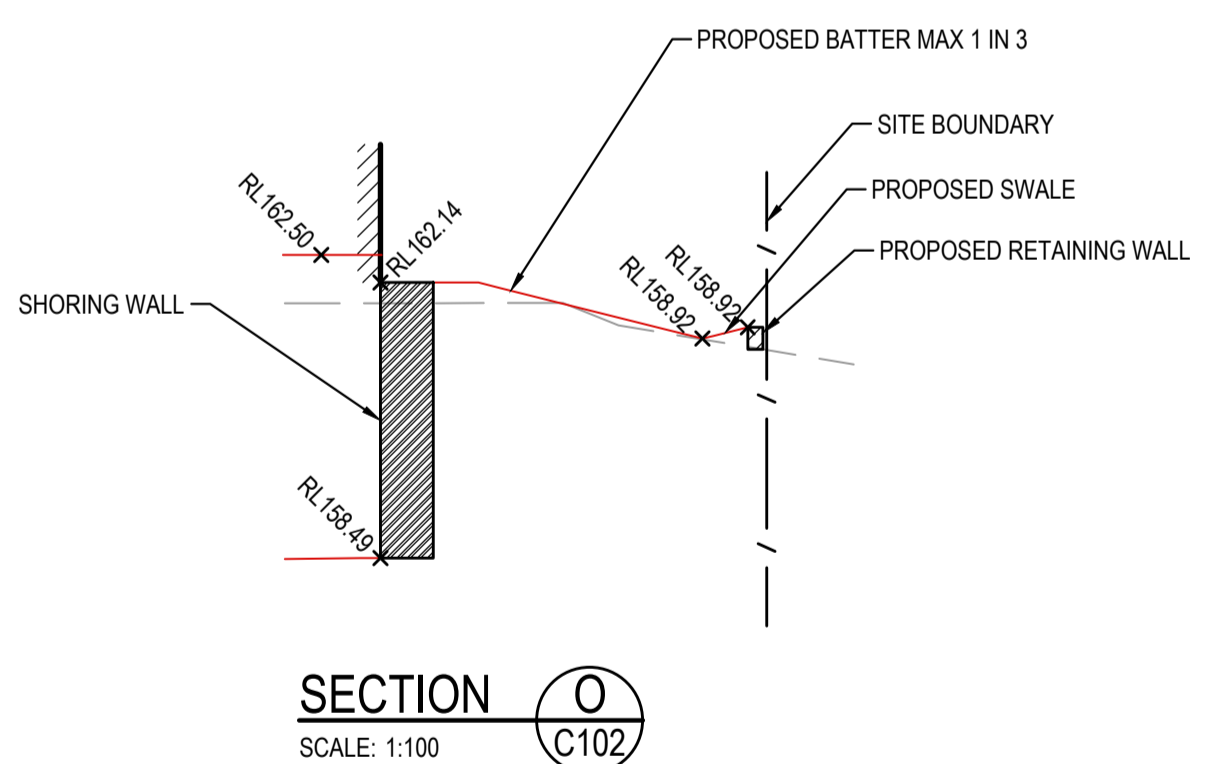
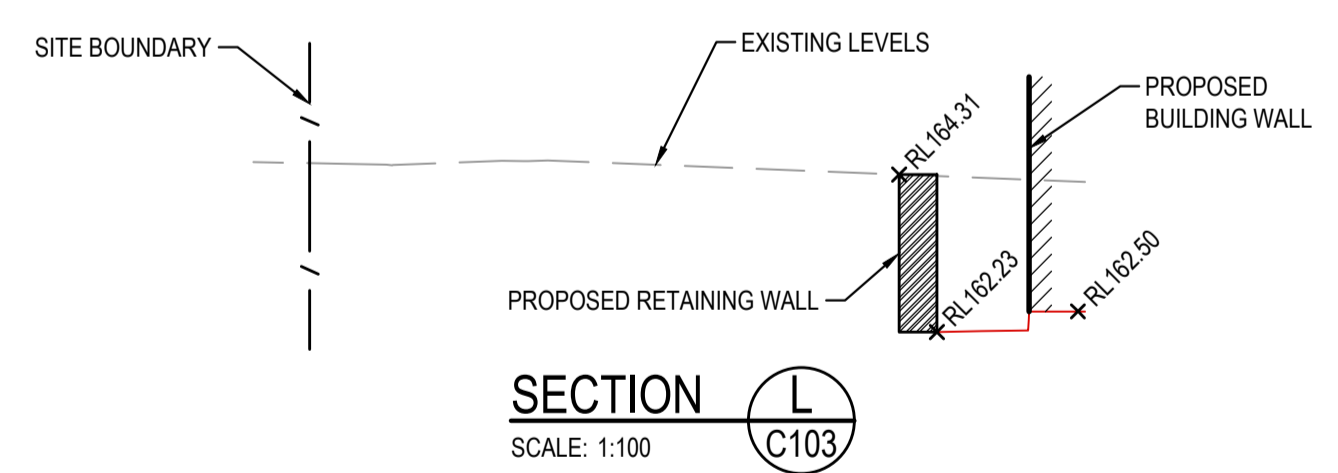
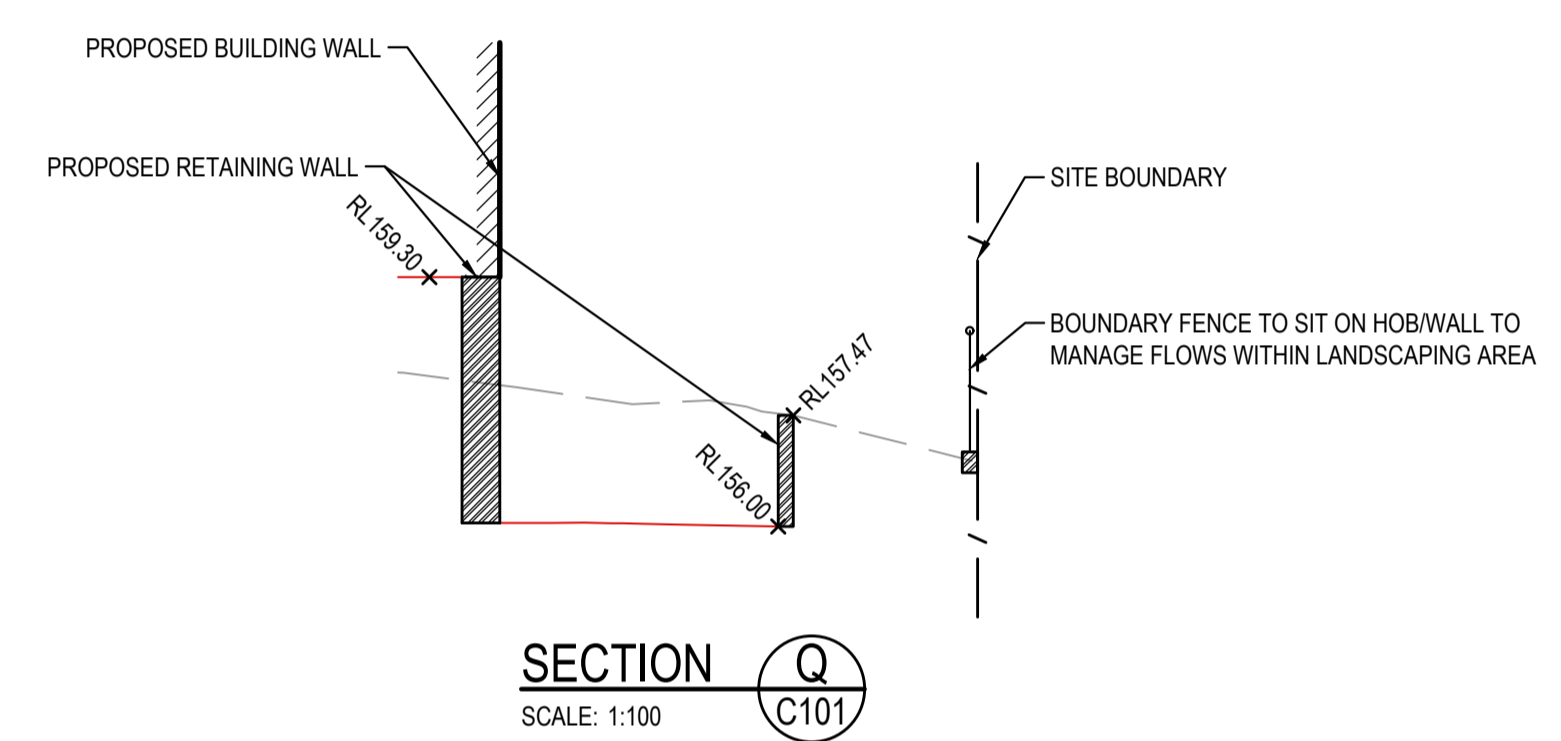
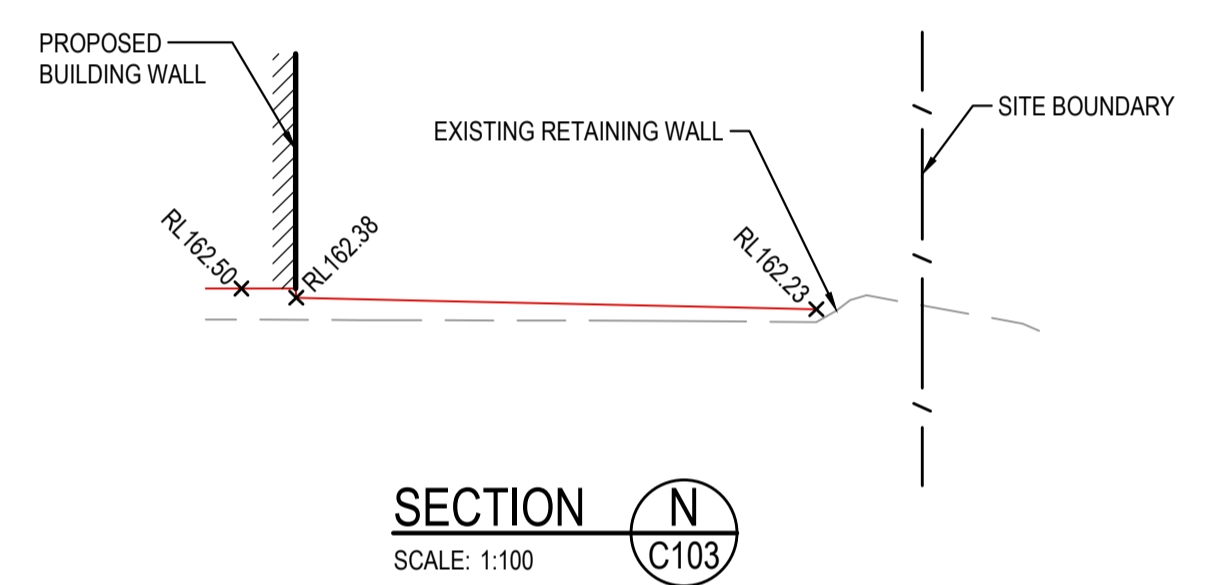
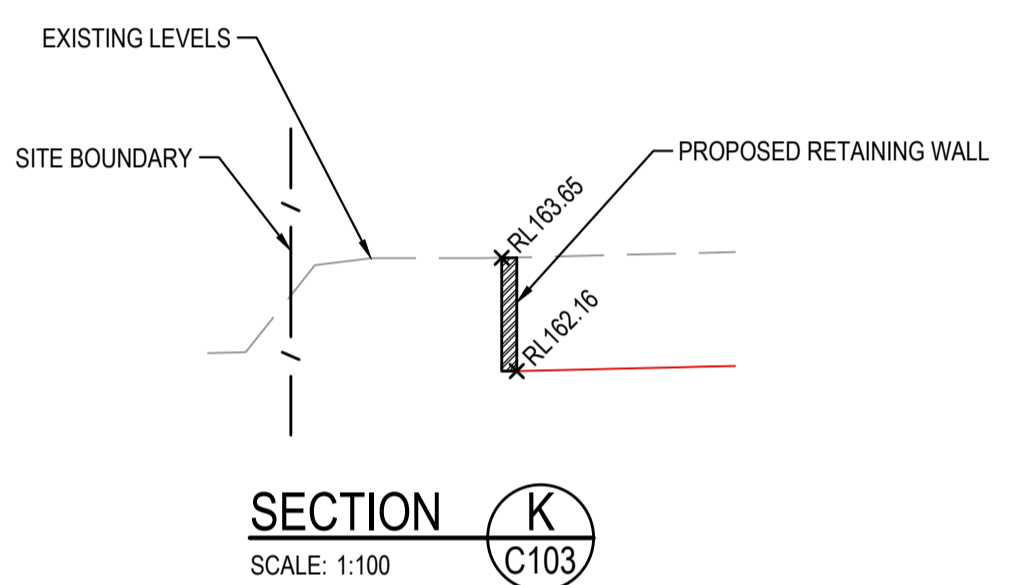
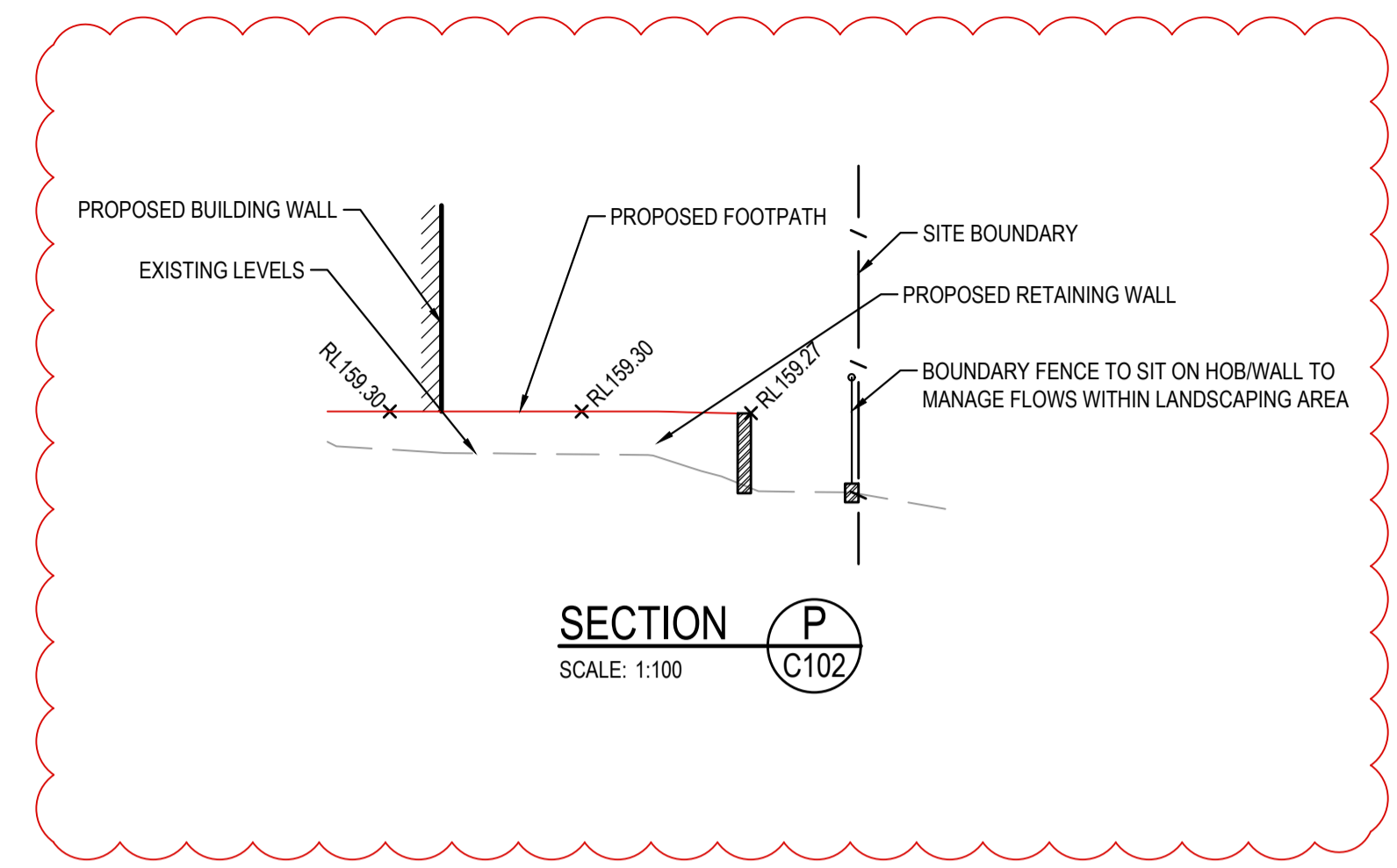
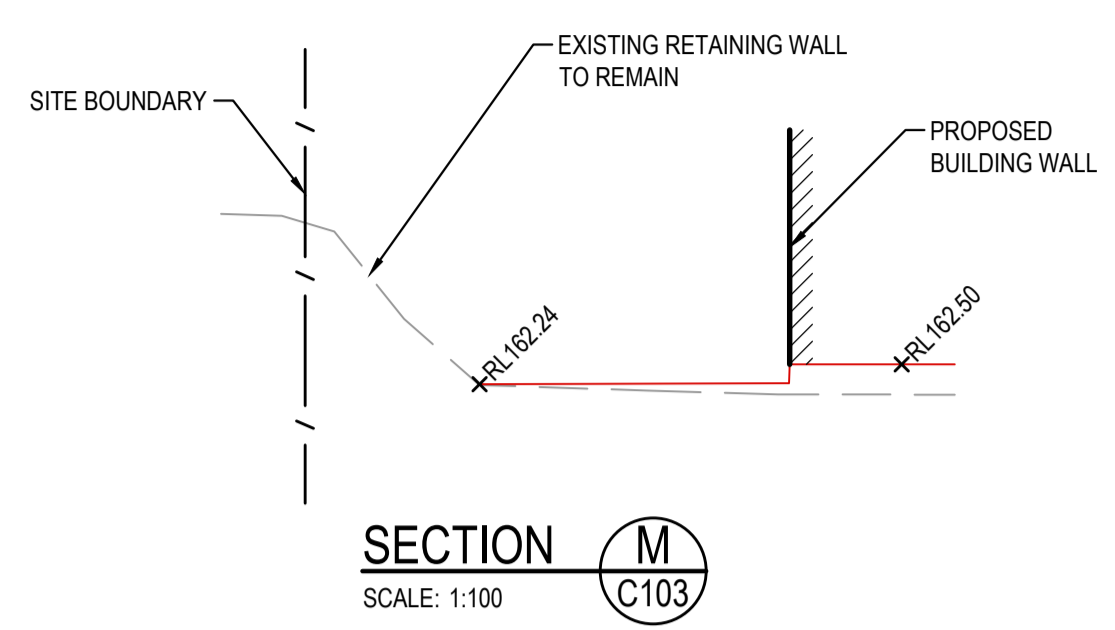
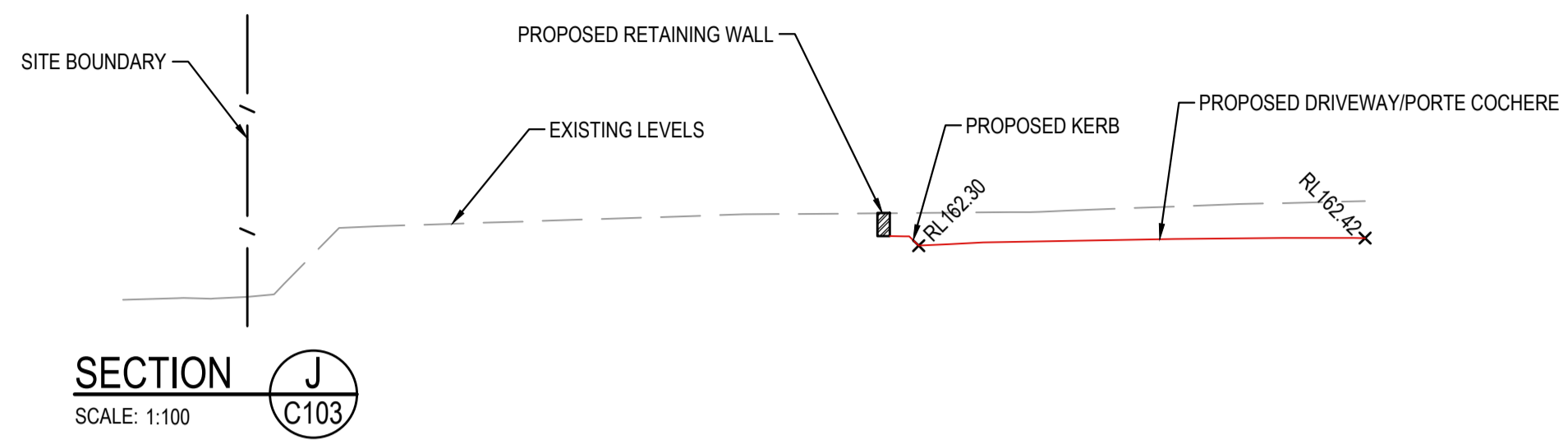
ISSUED FOR S4.55 APPROVAL

SURVEY INFORMATION				Client				Telephone		Project		Drawn		Designed		Date	
SURVEYED BY: SDG				OPAL HEALTHCARE				+61 2 9417 8400		PROPOSED HEALTHCARE DEVELOPMENT		M.Pereira		N.Heazlewood		FEB 2024	
DATUM: AHD				Architect				+61 2 9417 8337		285-289, 293-295 MONA VALE RD & 1 FLINDERS AVE, ST IVES, NSW		Checked		Approved		Scale @A1	
ORIGIN OF LEVELS:				GROUP GSA				Email		Title		N.Heazlewood		A.Francis		N.T.S	
SSM 85414				This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas.				Web		DRAWING TO BE PRINTED IN COLOUR		Drawing number		Revision		Revision	
RL 163393								www.henryandhymas.com.au		henry&hymas		22K93_D4_C000		01			
01 ISSUED FOR S4.55																	
REVISION				AMENDMENT				DRAWN		DESIGNED		DATE					



ISSUED FOR S4.55 APPROVAL

SURVEY INFORMATION SURVEYED BY: SDG DATUM: AHD ORIGIN OF LEVELS: SSM 85414 RL 163393					Client OPAL HEALTHCARE	Suite 2 01 828 Pacific Highway Gordon NSW 2072 	Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@ghiconsult.com.au Web www.henryandhymas.com.au	Project PROPOSED HEALTHCARE DEVELOPMENT 285-289, 293-295 MONA VALE RD & 1 FLINDERS AVE, ST IVES, NSW	Drawn M.Pereira	Designed N.Heazlewood	Date FEB 2024	
					Architect GROUP GSA		Title TYPICAL SECTIONS SHEET 1 OF 2	Checked N.Heazlewood	Approved A.Francis	Scale @A1 1:100	Drawing number 22K93_D4_C110	Revision 01
01 ISSUED FOR S4.55 REVISION AMENDMENT	DC DRAWN	NH DESIGNED	17.11.2025 DATE	REVISION AMENDMENT	DRAWN DESIGNED DATE	This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas.						DRAWING TO BE PRINTED IN COLOUR



NOTE:
CLOUDING IN RED REFLECTS CHANGES TO THE DESIGN
SINCE THE PREVIOUS SSD APPLICATION (SSD-48028209)

ISSUED FOR S4.55 APPROVAL

SURVEY INFORMATION SURVEYED BY: SDG DATUM: AHD ORIGIN OF LEVELS: SSM 85414 RL 163393											Client OPAL HEALTHCARE	Suite 2 01 828 Pacific Highway Gordon NSW 2072	Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@ghiconsult.com.au Web www.henryandhymas.com.au		Project PROPOSED HEALTHCARE DEVELOPMENT 285-289, 293-295 MONA VALE RD & 1 FLINDERS AVE, ST IVES, NSW	Drawn M.Pereira	Designed N.Heazlewood	Date FEB 2024
											Architect GROUP GSA		Title TYPICAL SECTIONS SHEET 2 OF 2		Checked N.Heazlewood	Approved A.Francis	Scale @A1 1:100	
01 REVISION ISSUED FOR S4.55 AMENDMENT	DC DRAWN	NH DESIGNED	17.11.2025 DATE											Drawing number 22K93_D4_C111		Revision 01		

This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas.

DRAWING TO BE PRINTED IN COLOUR

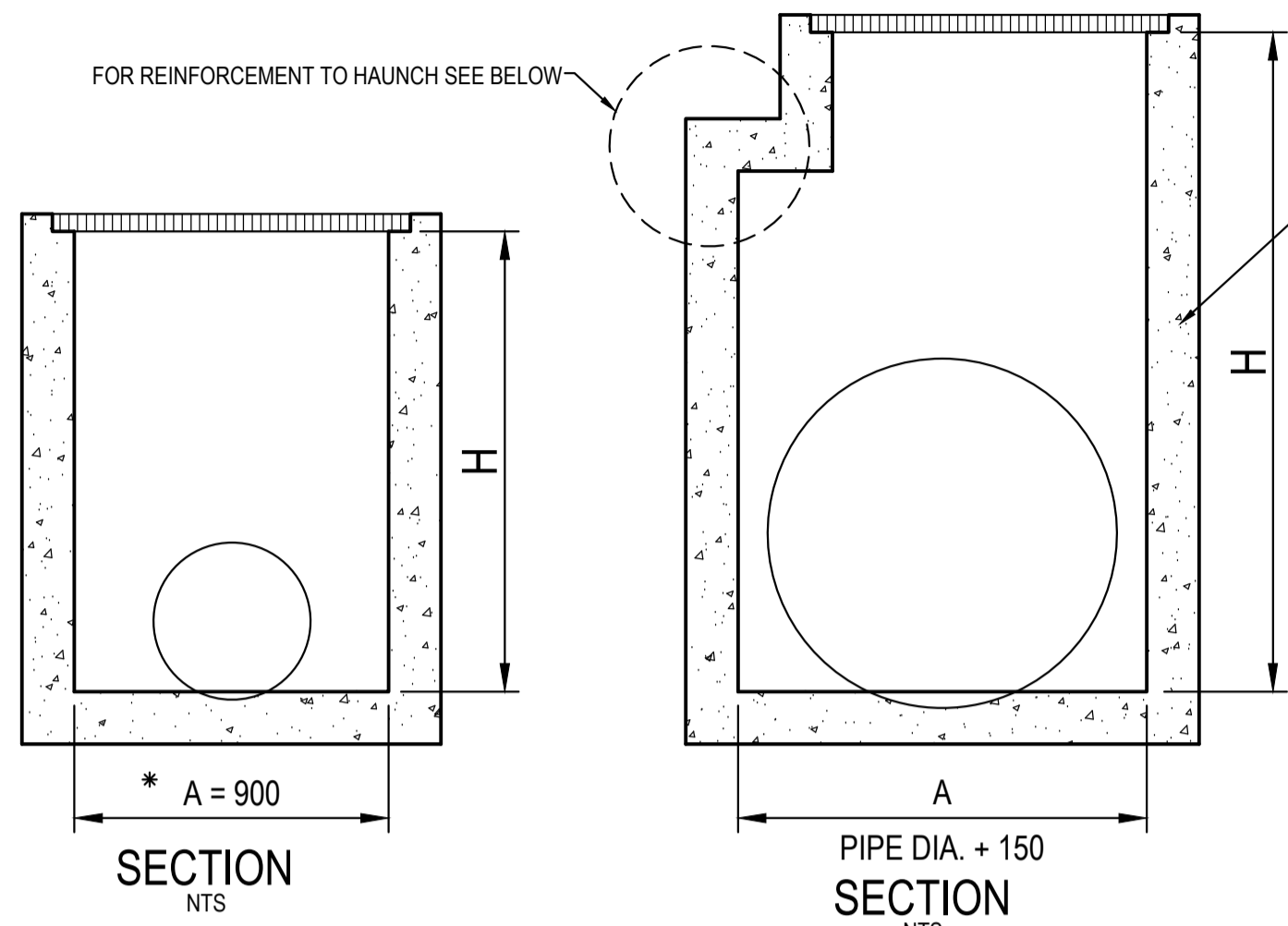
henry&hymas

TYPICAL PIT CHAMBER SIZES

IT IS THE CONTRACTORS RESPONSIBILITY TO SELECT PIT CHAMBER SIZE WITH REGARDS TO PIPE SIZE, DEPTH TO INVERT AND SKEW ANGLE. REFER SKETCHES BELOW.

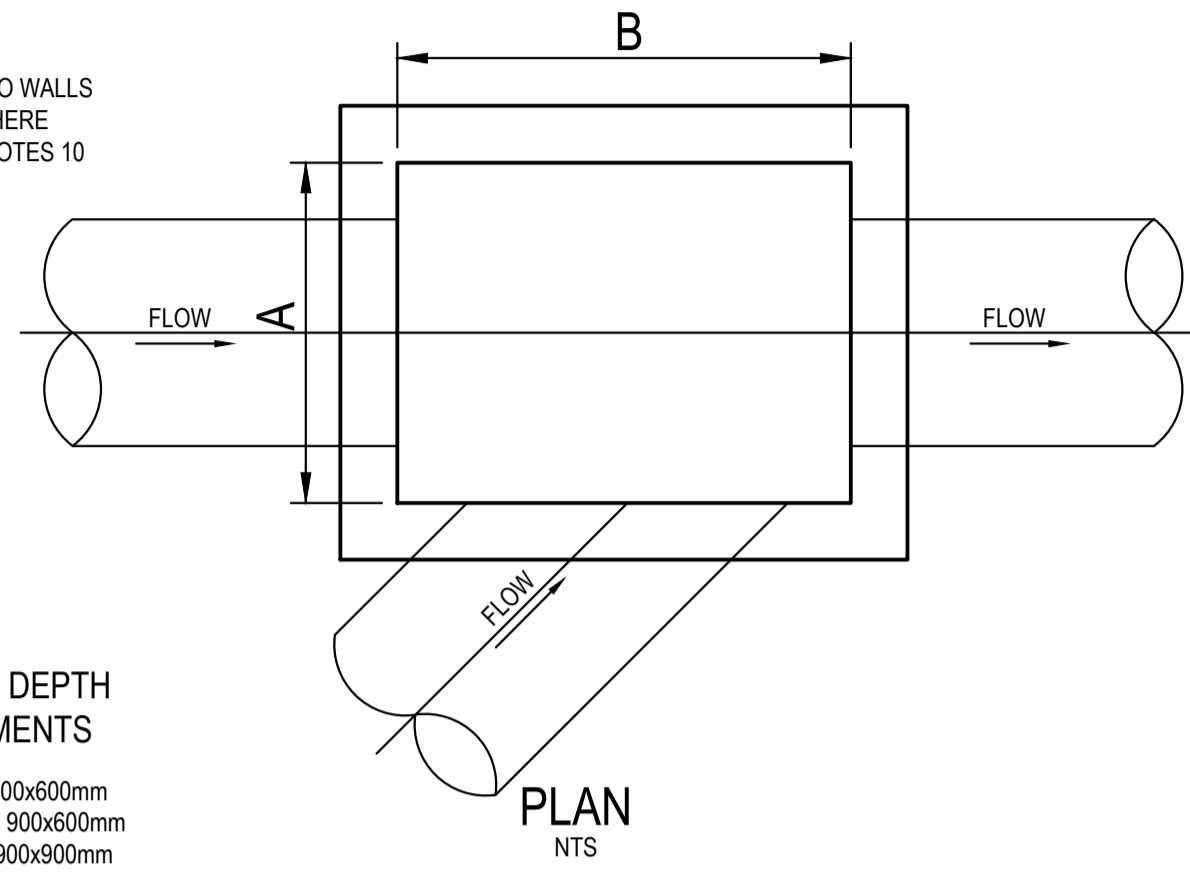
- SELECT PIT CHAMBER USING THE STEPS BELOW.
- SELECT PIT CHAMBER SIZE DEPENDING ON THE PIPE DIAMETERS.
- CHECK PIT CHAMBER SIZE TO SATISFY DEPTH TO INVERT REQUIREMENTS.
- CHECK PIT CHAMBER DIMENSIONS TO SATISFY THE SKEW ANGLE IN THE TABLE.

FOR B = 600mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 225mm
 FOR B = 900mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 375mm
 FOR B = 1200mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 600mm
 FOR B = 1500mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 825mm
 FOR B = 1900mm - MAX. SIDE ENTRY PIPE AT 45° SKEW = 1050mm



* A = 600 FOR PIPES UP TO 375 DIA.

- PIT CHAMBER DIMENSIONS FOR PIPES UP TO 600 DIA.
- PIT CHAMBER FOR PIPES GREATER THAN 600 DIA.



- PIT CHAMBER FOR SIDE ENTRY ON SKEW

SIEVE SIZE (MM)	WEIGHT PASISNG (%)
75.0	100
9.5	100 TO 50
2.36	100 TO 30
0.60	50 TO 15
0.075	25 TO 0

NOTE:
1. ALL INLET PITS TO BE FITTED WITH OCEANGUARD PIT BASKET

SIEVE SIZE (MM)	WEIGHT PASISNG (%)
19.0	100
2.36	100 TO 50
0.60	90 TO 20
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

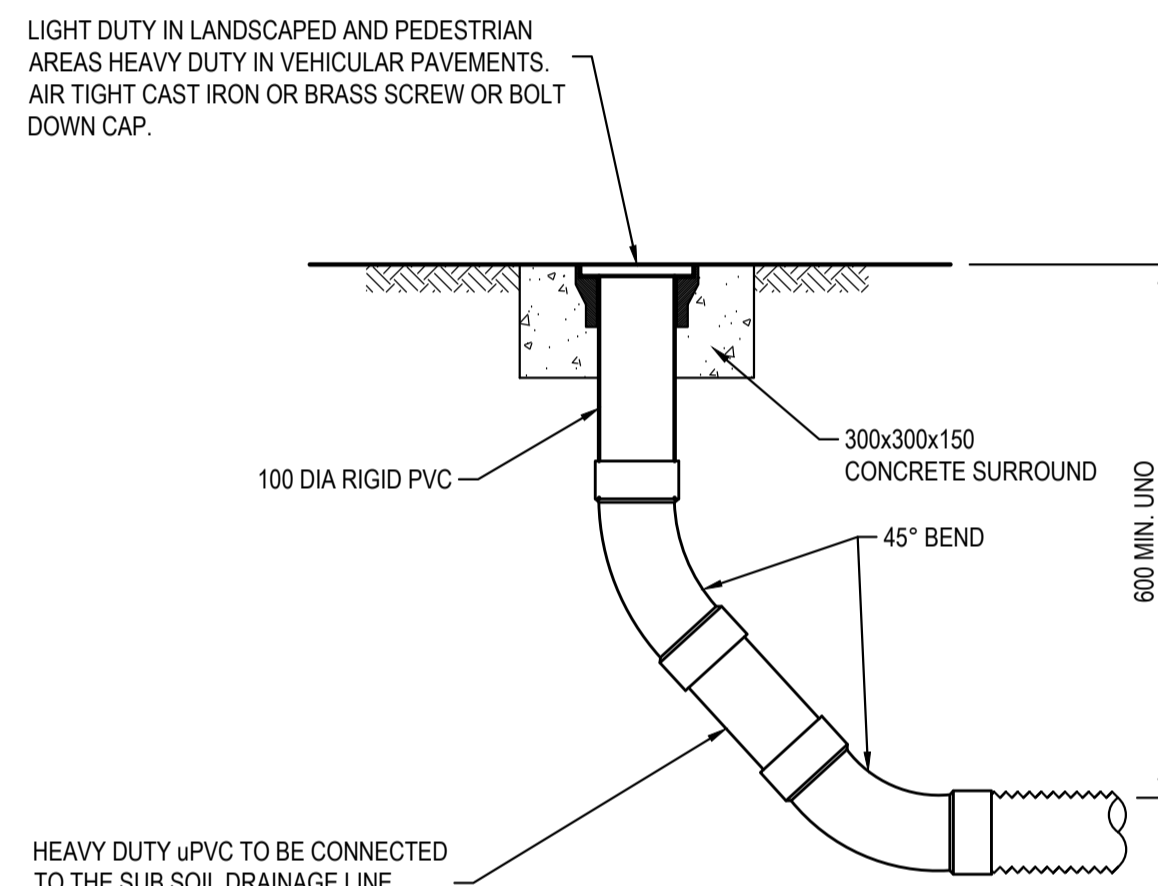
SUPPORT TYPE	BED ZONE X	HAUNCH ZONE Y	BED AND HAUNCH ZONES COMPACTION	MAX BEDDING FACTOR
HS1		0.1D	50	2.0
HS2	100 IF D<=1500, OR 150 IF D>=1500	0.3D	60	2.5
HS3		0.3D	70	4.0

PIT LID SCHEDULE

PIT/STRUCTURE NUMBER	DESCRIPTION
EX-1	EXISTING PIT TO REMAIN
L-1 D-1 D-2 D-3 D-4 D-7 A-1 A-3 E-2 A-2 B-1 B-2 A-9 A-10 B-4 B-3 F-3	PROPOSED INLET PIT WITH 900x900 HINGED MEDIUM DUTY GRATED LID INTEL PIT CLASS "B" IN ACCORDANCE WITH KU-RING-GAI COUNCIL'S REQUIREMENT.
D-5 D-6 J-1 J-2 P-1 A-11 A-12 A-13 F-0 F-1 F-2 B-5 B-6 T-1	PROPOSED INLET PIT WITH 600x600 HINGED MEDIUM DUTY GRATED LID INTEL PIT CLASS "B" IN ACCORDANCE WITH KU-RING-GAI COUNCIL'S REQUIREMENT.
C-1 C-2 C-3 E-1 A-4	PROPOSED JUNCTION PIT WITH 900x900 HEAVY DUTY JUNCTION PIT SEALED LID CLASS "D" IN ACCORDANCE WITH ACCORDANCE WITH KU-RING-GAI COUNCIL'S REQUIREMENT.
ED-5	PROPOSED 300mm WIDE GRATED DRAIN WITH HEELPROOF GRATE IN ACCORDANCE WITH KU-RING-GAI COUNCIL'S REQUIREMENT.
ED-2 ED-3 ED-4	PROPOSED 200mm WIDE HEAVY DUTY GRATED DRAIN IN ACCORDANCE WITH KU-RING-GAI COUNCIL'S REQUIREMENT.
C-4 H-1 A-7 A-5 H-0 Q-2 A-8	PROPOSED INLET PIT WITH 900x900 HINGED HEAVY DUTY GRATED LID INTEL PIT CLASS "D" IN ACCORDANCE WITH KU-RING-GAI COUNCIL'S REQUIREMENT.
H-2 I-1 M-1 H-3	PROPOSED INLET PIT WITH 600x600 HINGED HEAVY DUTY GRATED LID WITH HEELPROOF GRATE INLET PIT CLASS "D" IN ACCORDANCE WITH KU-RING-GAI COUNCIL'S REQUIREMENT.
G-1 G-6 G-7 Q-3 Q-4 Q-5 Q-6	PROPOSED OSD ACCESS LID WITH 900x900 HINGED HEAVY DUTY GRATED LID CLASS "C" IN ACCORDANCE WITH KU-RING-GAI COUNCIL'S REQUIREMENT.
G-2 G-3 G-4 G-5 Q-7 Q-8	PROPOSED OSD ACCESS LID WITH 900x900 HINGED HEAVY DUTY SEALED LID CLASS "C" IN ACCORDANCE WITH KU-RING-GAI COUNCIL'S REQUIREMENT.
RWO	PROPOSED 200x200 RAINWATER OUTLET
Q-1	PROPOSED 1.8m KERB INLET PIT IN ACCORDANCE WITH KU-RING-GAI COUNCIL'S REQUIREMENT.

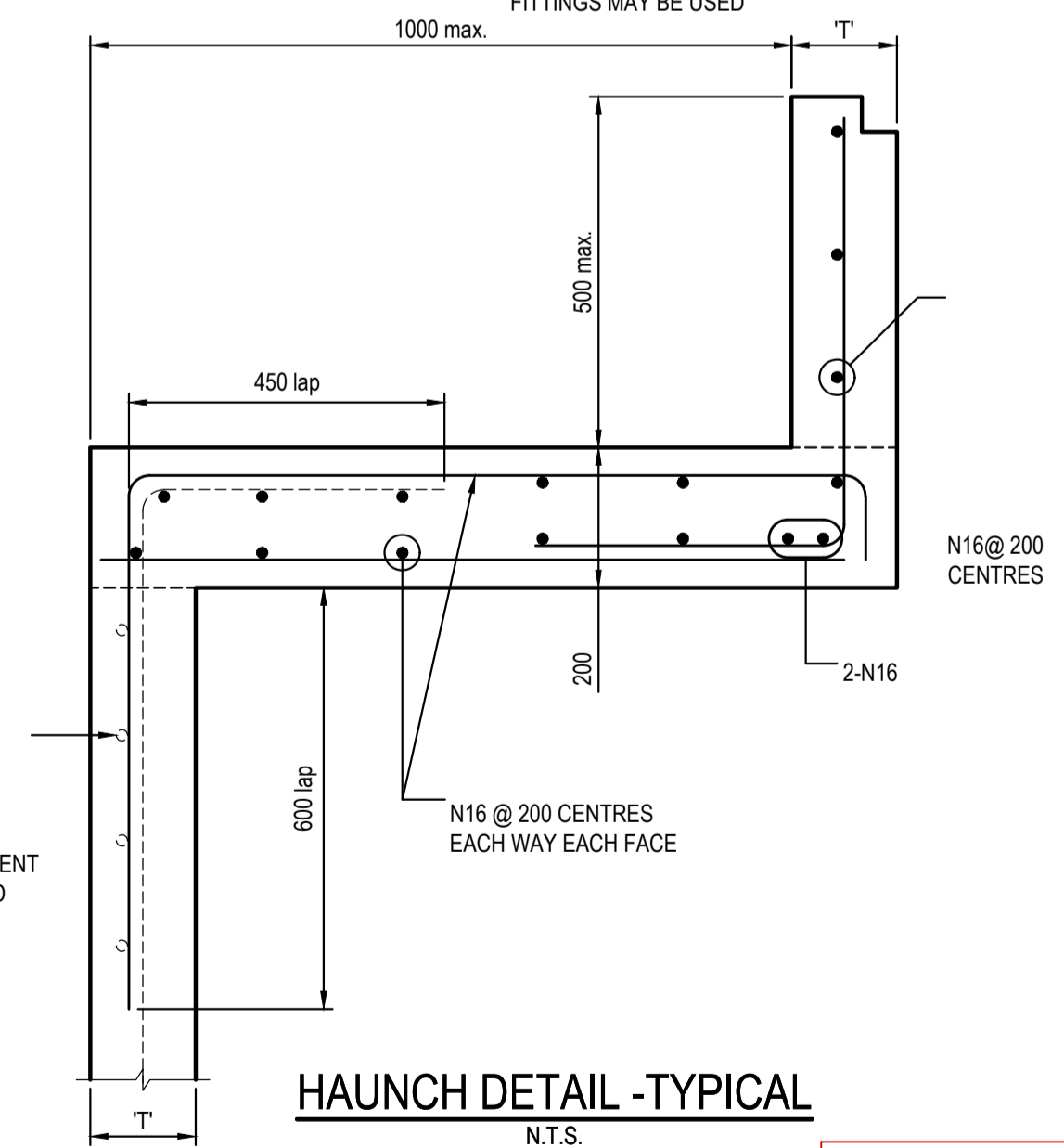
DRAINAGE NOTES:

- ALL STORMWATER WORK TO COMPLY WITH AS 3500 PART 3.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE MINIMUM COVER OF 600mm ON ALL PIPES.
- PROTECTION OF PIPES DUE TO LOADS EXCEEDING W7 WHEEL LOAD SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- BEDDING TYPE SHALL BE TYPE H2 FOR RCP. WHERE NECESSARY THE OVERLAY ZONE SHALL BE REDUCED TO ACCOMMODATE PAVEMENT REQUIREMENTS. REFER TO THIS DRAWING FOR DETAILS.
- MINIMUM COVER OVER EXISTING PIPES FOR PROTECTION DURING CONSTRUCTION SHALL BE 800mm.
- NO CONSTRUCTION LOADS SHALL BE APPLIED TO PLASTIC PIPES.
- FINISHED SURFACE LEVELS SHOWN ON LAYOUT PLAN DRGS TAKE PRECEDENCE OVER DESIGN DRAINAGE SURFACE LEVELS.
- ALL PIPES UP TO AND INCLUDING 300 DIA. SHALL BE SOLVENT OR RUBBER RING JOINTED PVC CLASS SH PIPE TO AS1260. ALL OTHER PIPES TO BE RCP USING CLASS 2 RUBBER RING JOINTED PIPE. HARDIES FRC PIPE MAY BE USED IN LIEU OF RCP IF DESIRED IN GROUND. ALL AERIAL PIPES TO BE PVC CLASS SH.
- ALL PITS IN NON TRAFFICABLE AREAS TO BE PREFABRICATED POLYESTER CONCRETE "POLYCRETE" WITH "LIGHT DUTY" CLASS B GALV. MILD STEEL GRATING AND FRAME.
- ALL PITS IN TRAFFICABLE AREAS (CLASS "D" LOADING MAX) TO HAVE 150mm THICK CONCRETE WALLS AND BASE CAST IN-SITU f_c=32 MPa. REINFORCED WITH N12-200 BOTH LOADING WAYS CENTRALLY PLACE. U.N.O. ON SEPARATE DESIGN DRAWINGS IN THIS SET. GALV.MILD STEEL GRATING AND FRAME TO SUIT DESIGN LOADING. PRECAST PITS, RECTANGULAR OR CIRCULAR IN SHAPE, MAY BE USED IN LIEU AND SHALL COMPLY WITH RELEVANT AUSTRALIAN STANDARDS.
- ALL PITS, GRATINGS AND FRAMES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION AND TO BE IN ACCORDANCE WITH AS3500.3 AND AS3996.
- PIT CHAMBER DIMENSIONS ARE TO BE SELECTED TO SATISFY THE FOLLOWING:
- PIPE SIZE
- DEPTH TO INVERT
- SKEW ANGLE
REFER TYPICAL PIT CHAMBER DETAILS BELOW
IF PIT LID SIZE IS SMALLER THAN THE PIT CHAMBER SIZE THEN THE PIT LID IS TO BE CONSTRUCTED ON THE CORNER OF THE PIT CHAMBER WITH THE STEP IRONS DIRECTLY BELOW. ALTERNATIVELY THE PIT LID TO BE USED, IS TO BE THE SAME SIZE AS THE PIT CHAMBER.
- FOR PIPE SIZES GREATER THAN Ø300mm, PIT FLOOR IS TO BE BENCH TO FACILITATE FLOW.
- GALVANISED STEP IRONS SHALL BE PROVIDED AT 300 CTS FOR PITS HAVING A DEPTH EXCEEDING 1200mm. SUBSOIL DRAINAGE PIPE SHALL BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES. (MINIMUM LENGTH 3m).
- ALL SUBSOIL PIPES SHALL BE 100mm SLOTTED PVC IN A FILTER SOCK, UNO, WITH 3m INSTALLED UPSTREAM OF ALL PITS.
- ALL PIPEWORK SHALL HAVE MINIMUM DIAMETER 100.
- MINIMUM GRADE FOR ROOFWATER DRAINAGE LINES SHALL BE 1%.
- ALL PIPE JOINTS AND TAPER UP TO AND INCLUDING 300 DIA. SHALL BE VIA PURPOSE MADE FITTINGS.
- ALL ROOF DRAINAGE TO BE INSTALLED IN ACCORDANCE WITH AS3500, PART 3. TESTING TO BE UNDERTAKEN AND REPORTS PROVIDED TO THE SUPERINTENDENT.
- LOCATION OF THE DIRECT DOWN PIPE CONNECTIONS MAY VARY ON SITE TO SUIT SITE CONDITIONS, WHERE CONNECTION SHOWN ON LONG SECTIONS CHAINAGES ARE INDICATIVE ONLY.
- PITS IN EXCESS OF 1.5 m DEEP TO HAVE WALL AND FLOOR THICKNESS INCREASED TO 200mm. REINFORCED WITH N12@200 CTS CENTRALLY PLACED BOTH WAYS THROUGHOUT U.N.O. ON SEPARATE DESIGN DRAWINGS IN THIS SET. IF DEPTH EXCEEDS 5m CONTACT ENGINEER.
- SUBSOIL DRAINAGE LINES FOR LANDSCAPE AREA NOT SHOWN ON THESE DRAWINGS. REFER TO LANDSCAPING PLANS FOR DETAILS.
- ALL STORMWATER PITS TO HAVE Ø100 uPVC SLOTTED SUBSOIL PIPES CONNECTED TO THEM. THESE SUBSOILS TO EXTEND 3m UPSTREAM OF THE PIT AT A MINIMUM GRADE.



FLUSHING POINT (FP)

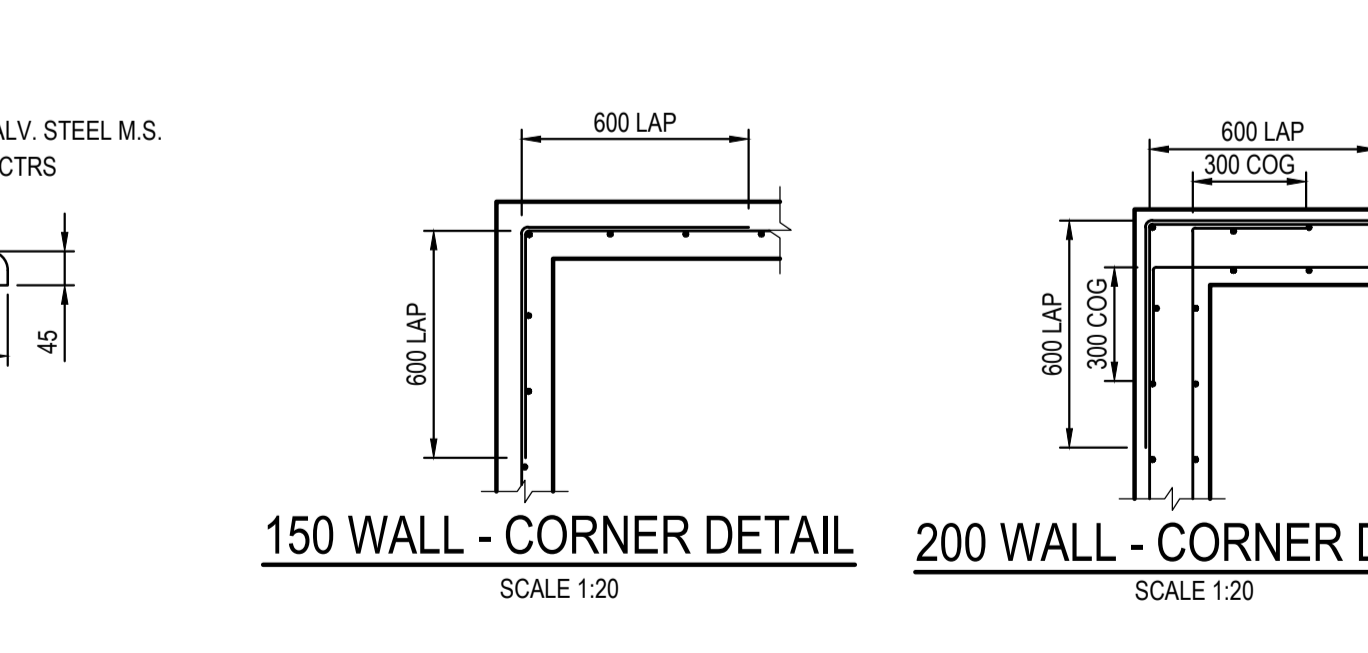
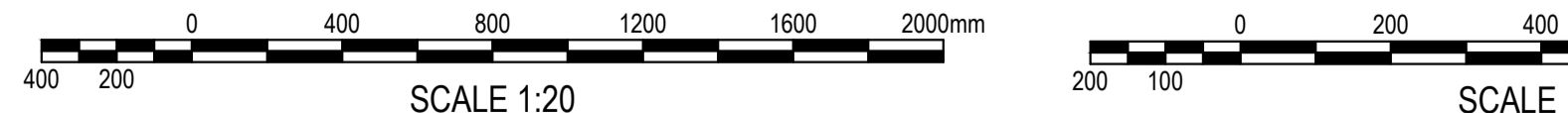
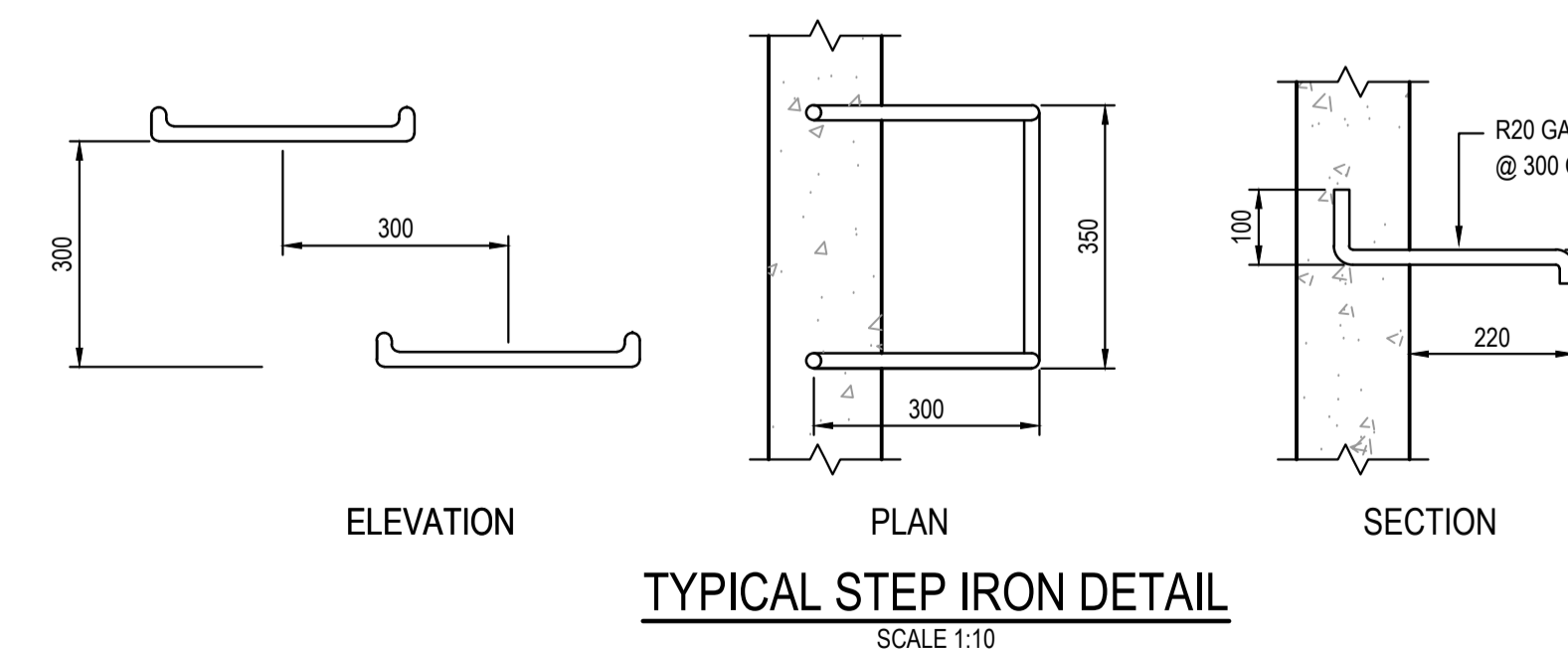
SCALE 1:10
NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



HAUNCH DETAIL - TYPICAL

NOTE:
CLOUDING IN RED REFLECTS CHANGES TO THE DESIGN SINCE THE PREVIOUS SSD APPLICATION (SSD-48028209)

ISSUED FOR S4.55 APPROVAL



REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE
01	ISSUED FOR S4.55			17.11.2025					

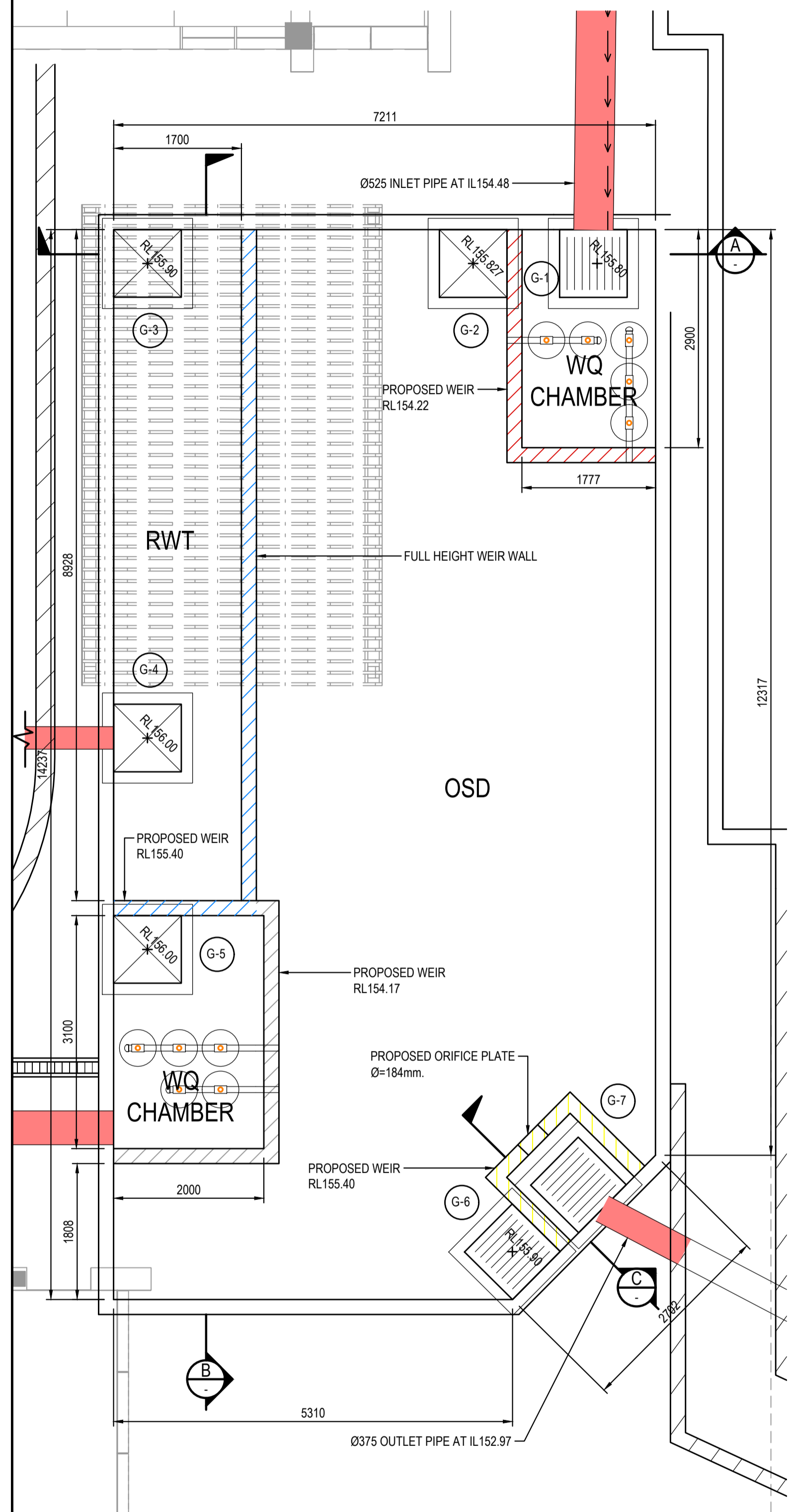
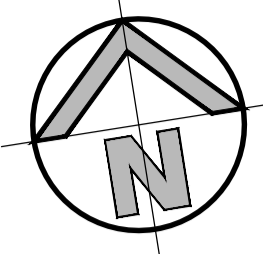
Client	OPAL HEALTHCARE
Architect	GROUP GSA
This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas.	

Suite 2 01 828 Pacific Highway Gordon NSW 2072	Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@ghconsult.com.au Web www.henryandhymas.com.au
--	--

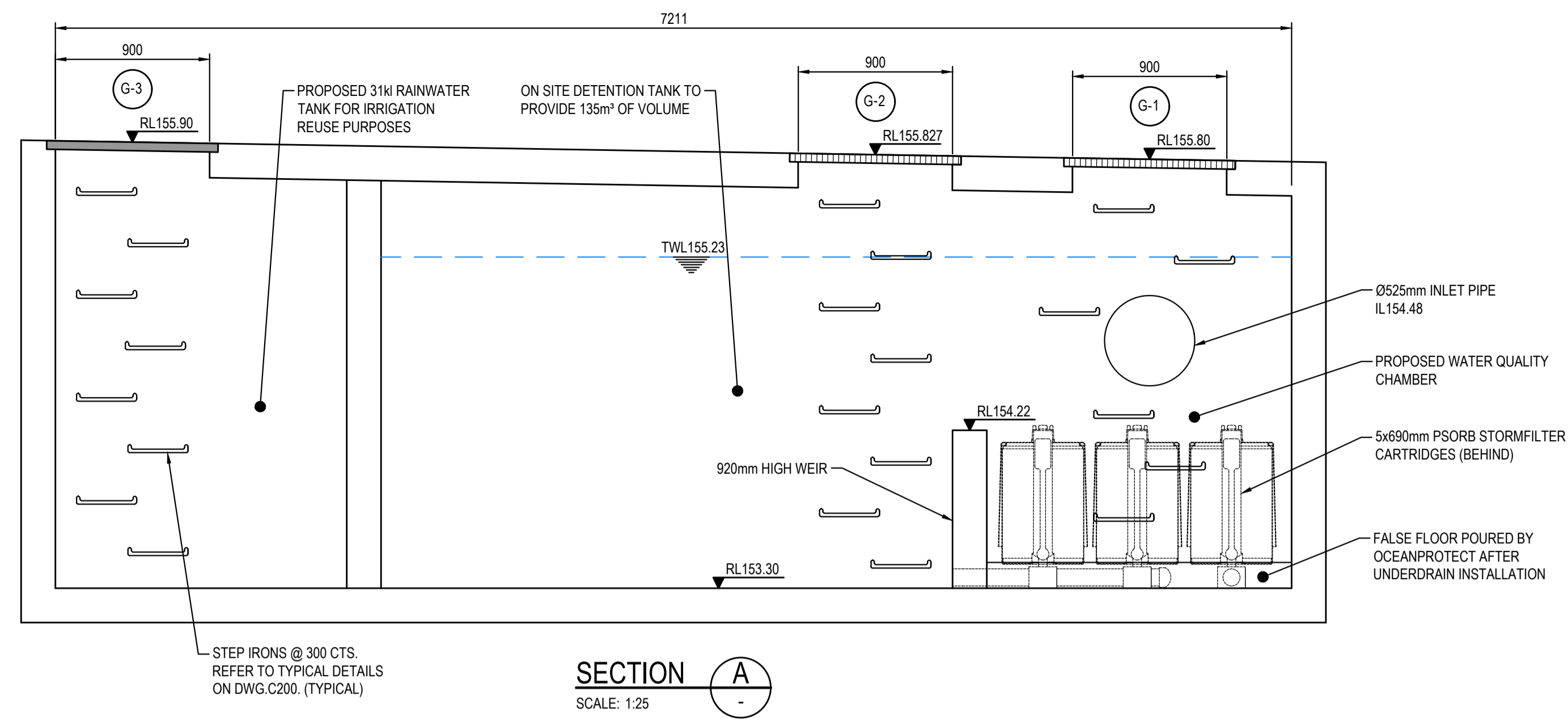
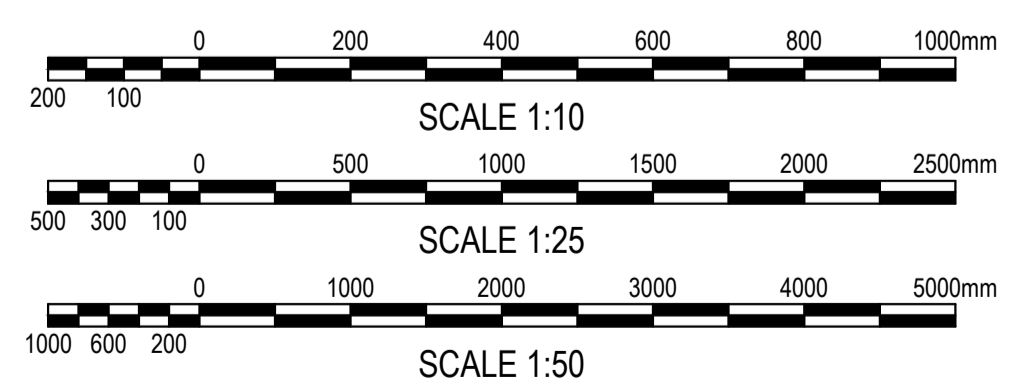


Project	PROPOSED HEALTHCARE DEVELOPMENT 285-289, 293-295 MONA VALE RD & 1 FLINDERS AVE, ST IVES, NSW
Drawn	M.Pereira
Designed	N.Heazlewood
Checked	Approved
M.Heazlewood	A.Francis
Scale @A1	1:100
Drawing number	22K93_D4_C200
Revision	01

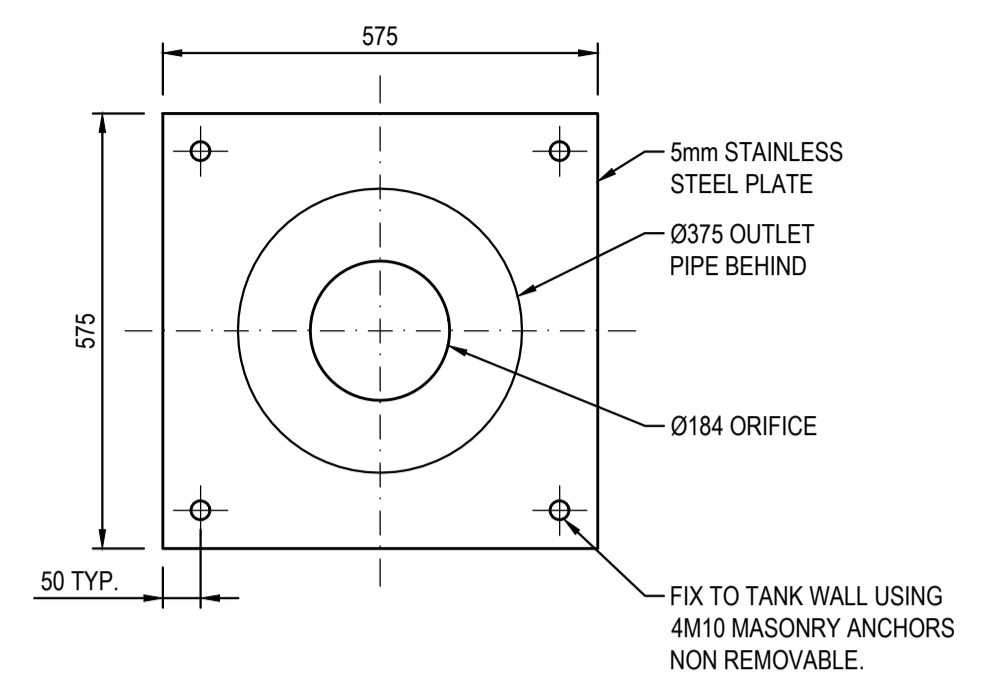
Title	STORMWATER MISCELLANEOUS DETAILS AND PIT LID SCHEDULE
-------	---



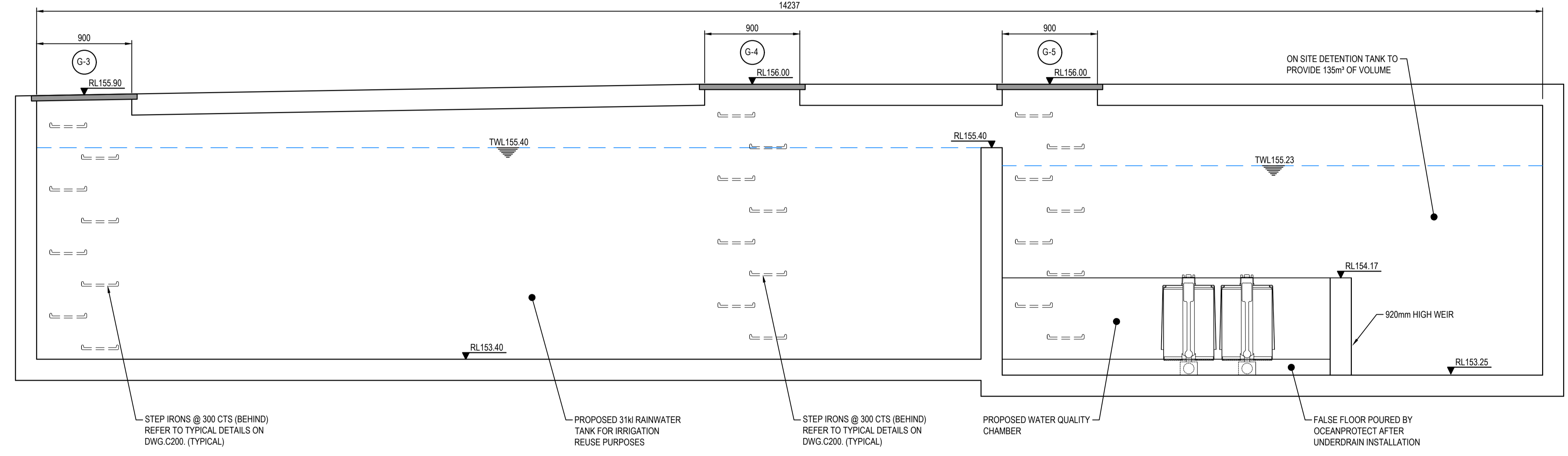
OSD PLAN
SCALE: 1:50



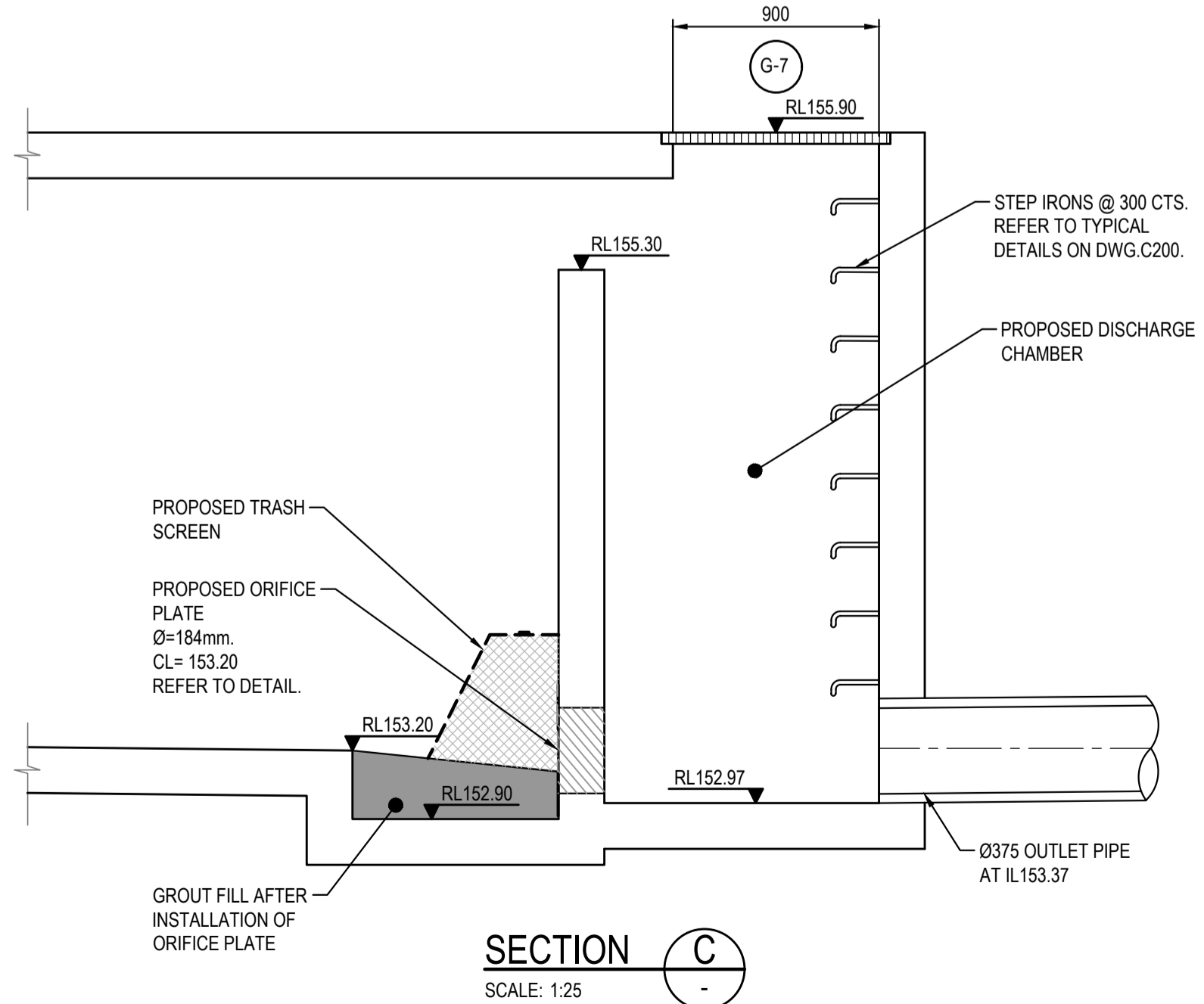
SECTION A
SCALE: 1:25



ORIFICE PLATE DETAIL
SCALE: 1:10



SECTION B
SCALE: 1:25

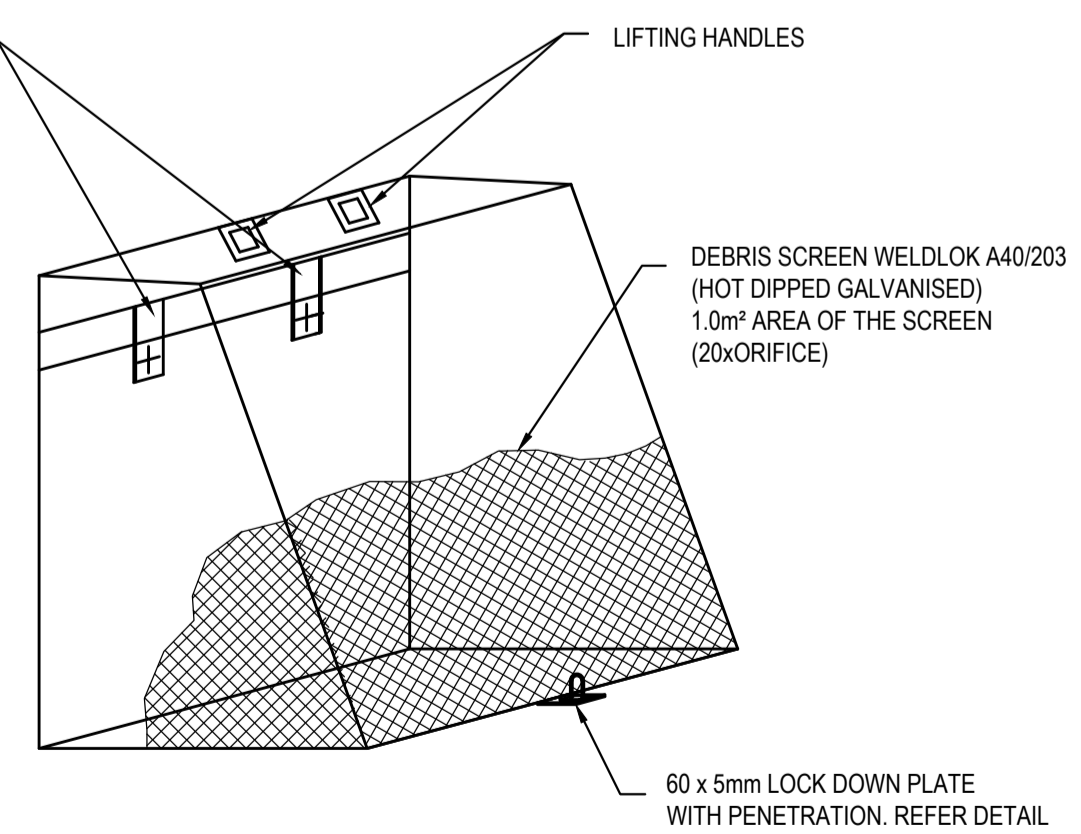


SECTION C
SCALE: 1:25

100 x 16 MOUNTING BAR WITH BRACKETS, SCREEN TO BE ATTACHED (GENERALLY ON A SLIDING MECHANISM) TO THE WALL, BUT SHOULD BE REMOVABLE (WITHOUT THE USE OF TOOLS) TO PERMIT CLEANSING AND EASY INSPECTION OF THE OUTLET CONTROL. ALL STEEL TO BE HOT DIPPED GALVANISED.

SCREEN TYPE WELDLOK A40/203 IS RECOMMENDED FOR ORIFICES LARGER THAN 150mm AND SCREEN AREA 20 x THE ORIFICE AREA FOR THAT TYPE OF SCREEN - REFER UPRCT SECTION 4-13

MAXIMESH RH3030 IS RECOMMENDED FOR ORIFICES LESS THAN 150mm IN DIAMETER AND SCREEN AREA 50x THE ORIFICE AREA REFER COUNCIL CATCHMENT TRUST HANDBOOK.



DEBRIS SCREEN DETAIL
NOT TO SCALE
ALL STEEL TO BE HOT DIPPED GALVANISED



A) A CONFINED SPACE DANGER SIGN SHALL BE POSITIONED IN A LOCATION SUCH THAT IT IS CLEARLY VISIBLE TO PERSONS PROPOSING TO ENTER THE BELOW GROUND TANKS/ CONFINED SPACE AT ALL ACCESS POINTS OF THE TANK/ CONFINED SPACE.

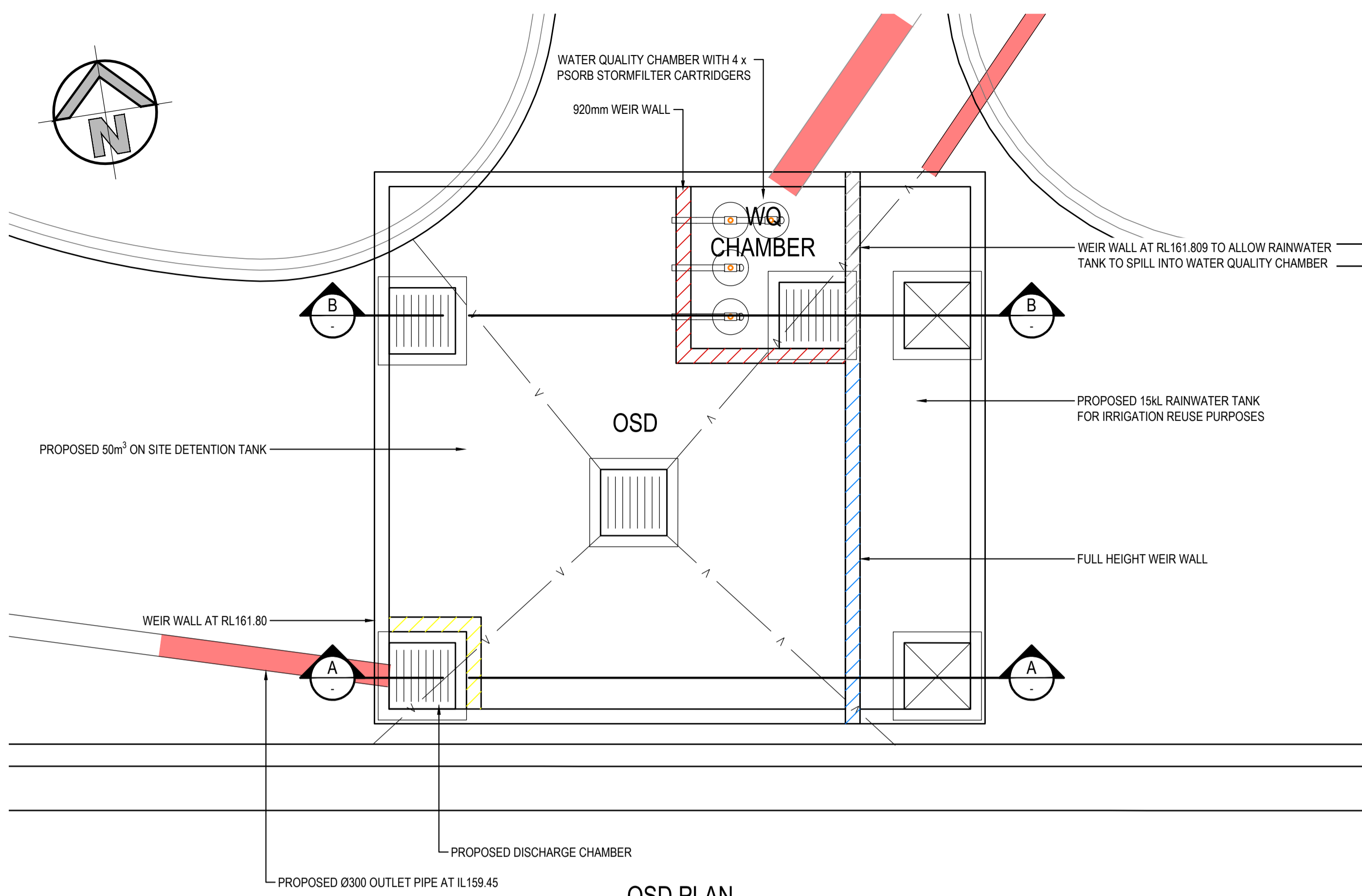
B) SIGN TO BE MINIMUM DIMENSIONS: 250mm x 180mm ENTRIES I.E. GRATES, MANHOLES

C) SIGN SHALL BE MANUFACTURED FROM COLOUR BONDED METAL OR POLYPROPYLENE

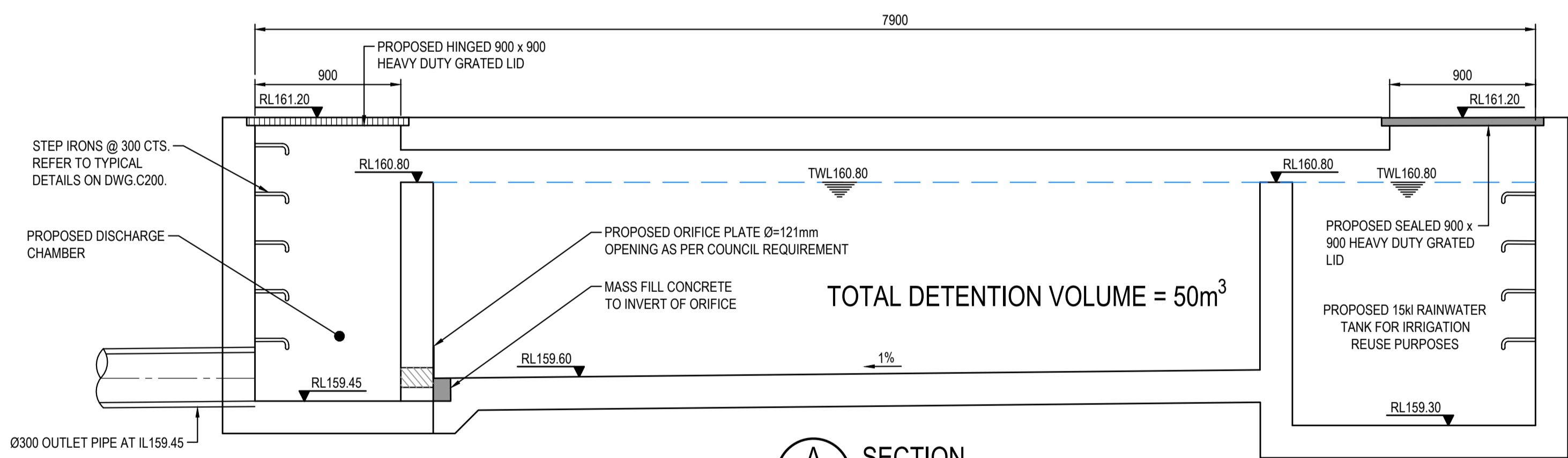
D) SIGN SHALL BE AFFIXED TO A SURFACE WITH SCREWS AT EACH CORNER.

ISSUED FOR S4.55 APPROVAL

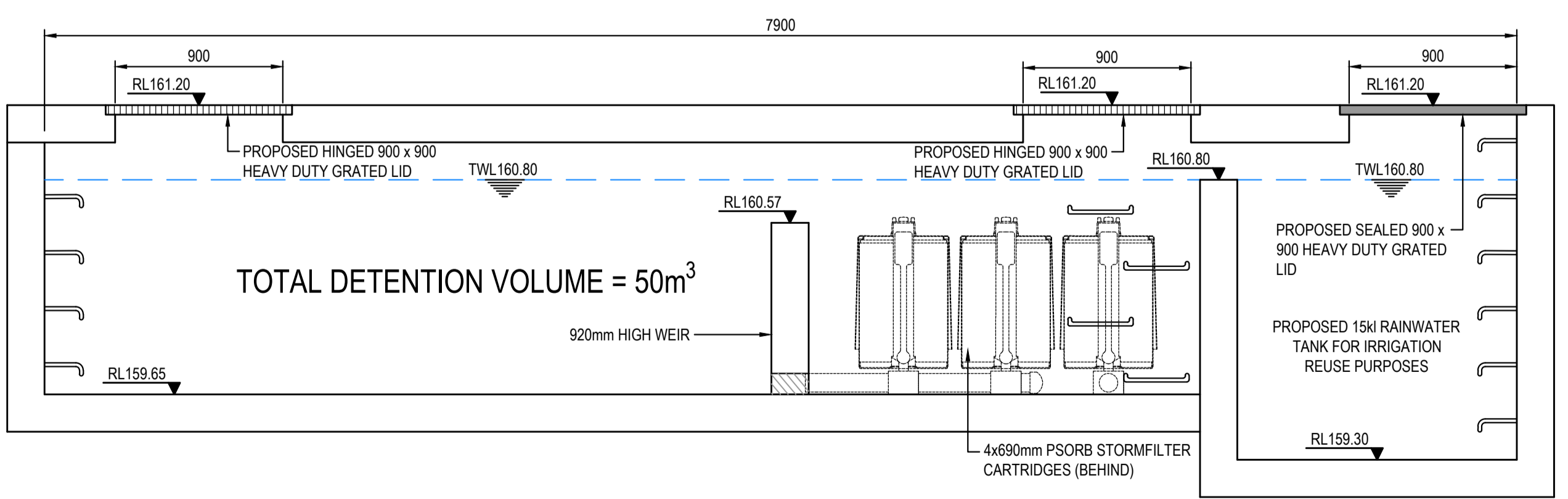
SURVEY INFORMATION SURVEYED BY: SDG DATUM: AHD ORIGIN OF LEVELS: SSM 85414 RL 163393				Client OPAL HEALTHCARE 828 Pacific Highway Gordon NSW 2072 Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@ghconsult.com.au Web www.henryandhymas.com.au				Project PROPOSED HEALTHCARE DEVELOPMENT 285-289, 293-295 MONA VALE RD & 1 FLINDERS AVE, ST IVES, NSW				Drawn M.Pereira Checked N.Heazlewood Designed N.Heazlewood Approved A.Francis Date FEB 2024 Scale @A1 AS NOTED			
Architect GROUP GSA				Title OSD TANK 1 PLAN, SECTIONS AND DETAILS				Drawing number 22K93_D4_C201							
This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas.				DRAWING TO BE PRINTED IN COLOUR				henry&hymas							
REVISION 01 ISSUED FOR S4.55 AMENDMENT DRAWN DC DESIGNED NH DATE 17.11.2025				REVISION AMENDMENT DRAWN DESIGNED DATE				Revision 01							



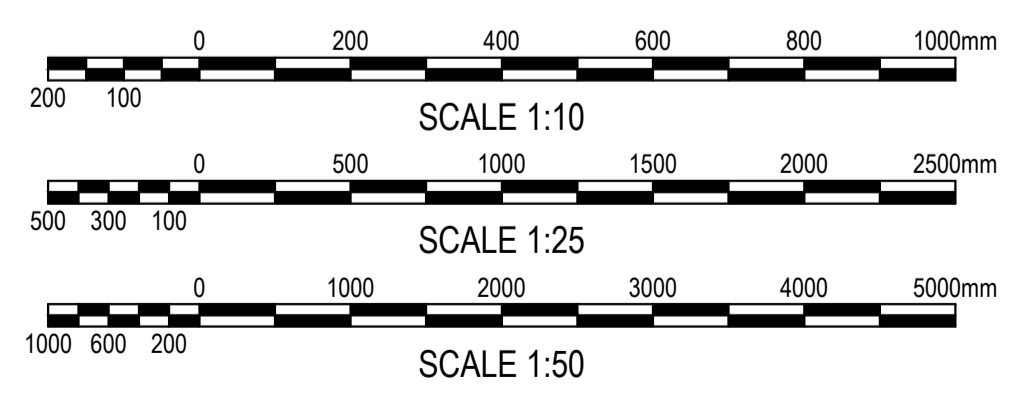
OSD PLAN
SCALE: 1:50



A SECTION
SCALE 1:25



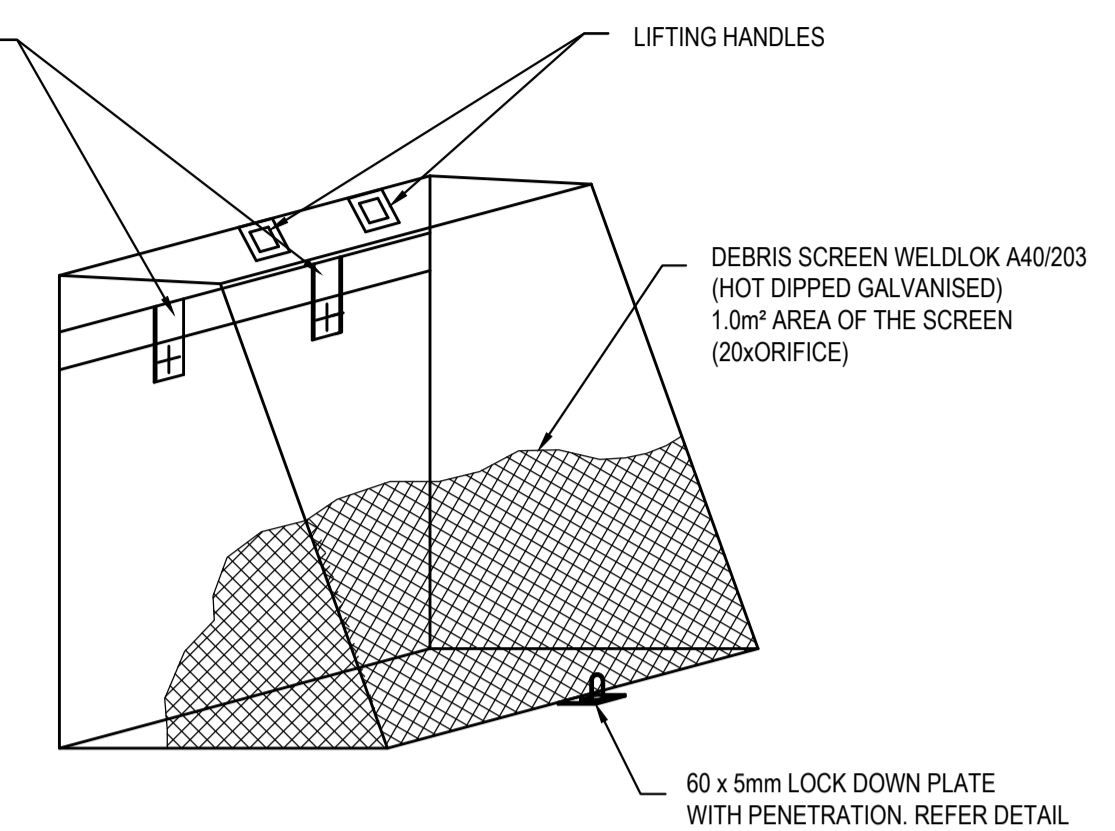
B SECTION
SCALE 1:25



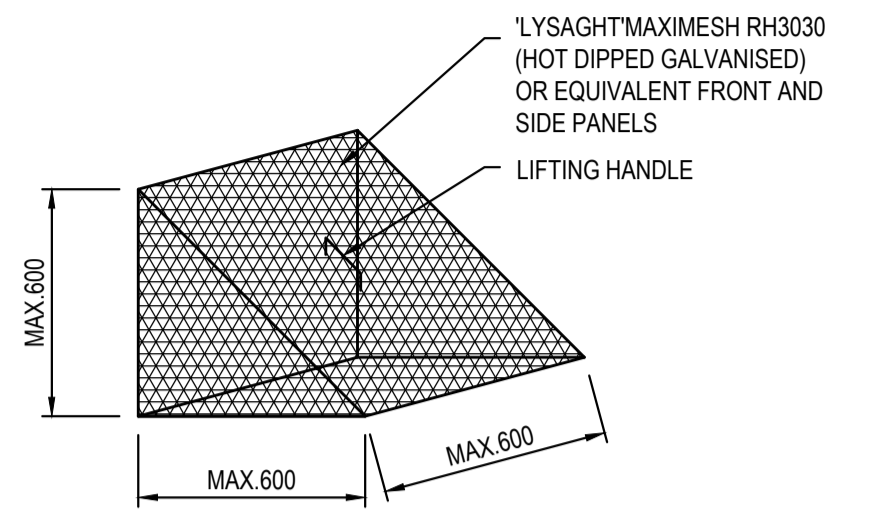
100 x 16 MOUNTING BAR WITH BRACKETS, SCREEN TO BE ATTACHED (GENERALLY ON A SLIDING MECHANISM) TO THE WALL, BUT SHOULD BE REMOVABLE (WITHOUT THE USE OF TOOLS) TO PERMIT CLEANSING AND EASY INSPECTION OF THE OUTLET CONTROL. ALL STEEL TO BE HOT DIPPED GALVANISED.

SCREEN TYPE WELDLOK A40/203 IS RECOMMENDED FOR ORIFICES LARGER THAN 150mm AND SCREEN AREA 20 x THE ORIFICE AREA FOR THAT TYPE OF SCREEN - REFER UPFRCT SECTION 4-13

MAXIMESH RH3030 IS RECOMMENDED FOR ORIFICES LESS THAN 150mm IN DIAMETER AND SCREEN AREA 50x THE ORIFICE AREA REFER COUNCIL CATCHMENT TRUST HANDBOOK.



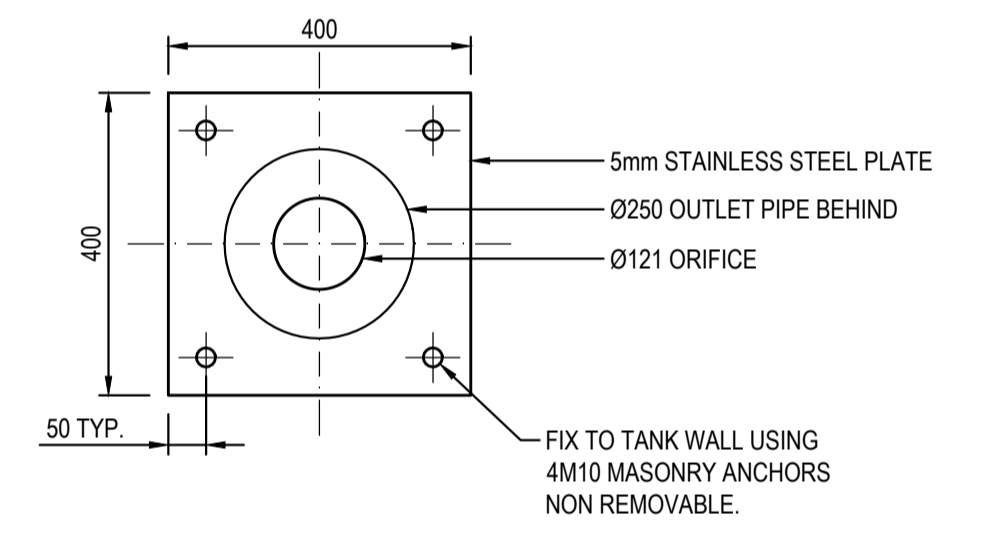
DEBRIS SCREEN DETAIL
NOT TO SCALE
ALL STEEL TO BE HOT DIPPED GALVANISED



TRASH SCREEN DETAIL
N.T.S

TRASH SCREEN NOTES

1. MAXIMESH SCREENS MUST BE PLACED SUCH THAT THE LONG AXIS OF THE OVAL SHAPED HOLES ARE ORIENTATED HORIZONTALLY WITH THE PORTRUDING LIP ANGLED UPWARDS AND FACING TOWARDS THE OUTLET.
2. THE SCREEN IS TO BE FORMED BY WELDING TWO TRIANGULAR MAXIMESH (OR EQUIVALENT) PANELS TO A RECTANGULAR FRONT MAXIMESH PANEL (OR EQUIVALENT)



ORIFICE PLATE DETAIL
SCALE 1:10

DANGER

CONFINED SPACE

NO ENTRY WITHOUT CONFINED SPACE TRAINING

A) A CONFINED SPACE DANGER SIGN SHALL BE POSITIONED IN A LOCATION SUCH THAT IT IS CLEARLY VISIBLE TO PERSONS PROPOSING TO ENTER THE BELOW GROUND TANKS/ CONFINED SPACE AT ALL ACCESS POINTS OF THE TANK/ CONFINED SPACE.

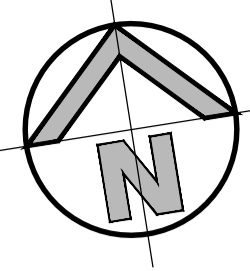
B) SIGN TO BE MINIMUM DIMENSIONS: 250mm x 180mm ENTRIES I.E., GRATES, MANHOLES

C) SIGN SHALL BE MANUFACTURED FROM COLOUR BONDED METAL OR POLYPROPYLENE

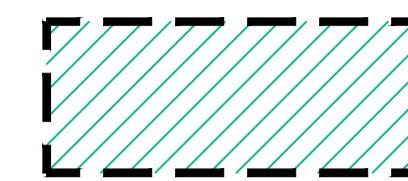
D) SIGN SHALL BE AFFIXED TO A SURFACE WITH SCREWS AT EACH CORNER.

ISSUED FOR S4.55 APPROVAL

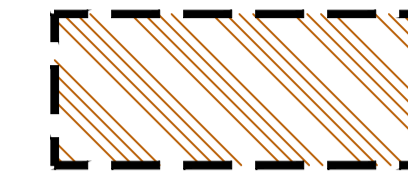
<p>SURVEY INFORMATION SURVEYED BY: SDG DATUM: AHD ORIGIN OF LEVELS: SSM 85414 RL 163393</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>REVISION</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>DESIGNED</th> <th>DATE</th> <th>REVISION</th> <th>AMENDMENT</th> <th>DRAWN</th> <th>DESIGNED</th> <th>DATE</th> </tr> <tr> <td>01</td> <td>ISSUED FOR S4.55</td> <td>DC</td> <td>NH</td> <td>17.11.2025</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	01	ISSUED FOR S4.55	DC	NH	17.11.2025						<p>Client OPAL HEALTHCARE</p> <p>Architect GROUP GSA</p> <p style="font-size: small;">This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas.</p>	<p>Suite 2 01 828 Pacific Highway Gordon NSW 2072</p> <p>Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@ghconsult.com.au Web www.henryandhymas.com.au</p> <p style="text-align: center;">henry&hymas</p>	<p>Project PROPOSED HEALTHCARE DEVELOPMENT 285-289, 293-295 MONA VALE RD & 1 FLINDERS AVE, ST IVES, NSW</p> <p>Drawn M.Pereira</p> <p>Designed N.Heazlewood</p> <p>Checked N.Heazlewood</p> <p>Approved A.Francis</p> <p>Date FEB 2024</p> <p>Scale @A1</p> <p>AS NOTED</p>	<p>Title OSD TANK 2 PLAN, SECTIONS AND DETAILS</p> <p>Drawing number 22K93_D4_C202</p> <p>Revision 01</p>
REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE																
01	ISSUED FOR S4.55	DC	NH	17.11.2025																					



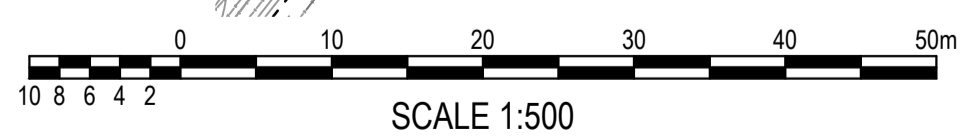
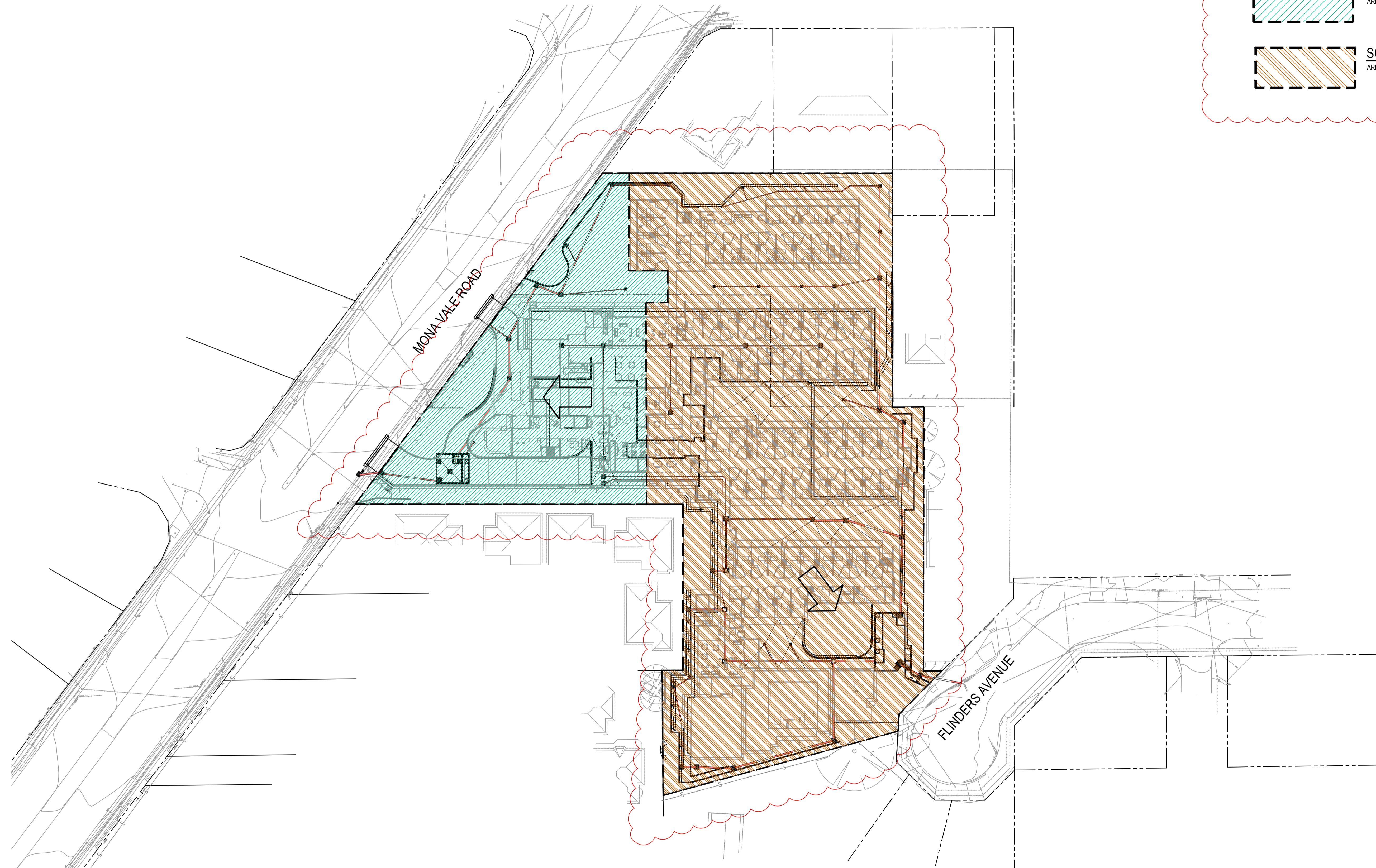
TOTAL SITE AREA: 12,744m²



WESTERN CATCHMENT
AREA: 3420m²



SOUTH-EAST CATCHMENT
AREA: 9324m²




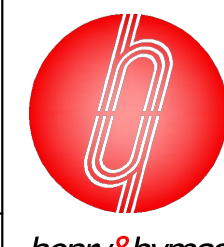
SCALE 1:500

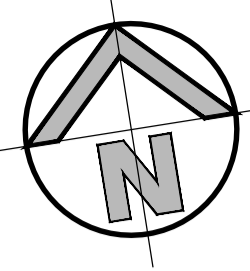
POST-DEVELOPED STORMWATER CATCHMENT PLAN

SCALE: 1:500

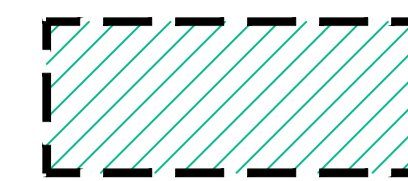
NOTE:
CLOUDING IN RED REFLECTS CHANGES TO THE DESIGN
SINCE THE PREVIOUS SSD APPLICATION (SSD-48028209)

ISSUED FOR S4.55 APPROVAL

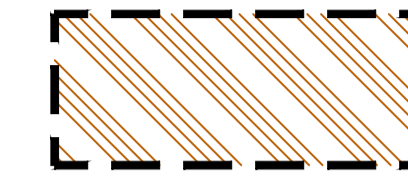
SURVEY INFORMATION SURVEYED BY: SDG DATUM: AHD ORIGIN OF LEVELS: SSM 85414 RL 163393											Client OPAL HEALTHCARE Architect GROUP GSA	Suite 2.01 828 Pacific Highway Gordon NSW 2072 	Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@hhconsult.com.au Web www.henryandhymas.com.au		Project PROPOSED HEALTHCARE DEVELOPMENT 285-289, 293-295 MONA VALE RD & 1 FLINDERS AVE, ST IVES, NSW	Drawn M.Pereira Checked N.Heazlewood	Designed N.Heazlewood Approved A.Francis	Date FEB 2024 Scale @A1 1:250
	01 REVISION ISSUED FOR S4.55 AMENDMENT	DC DRAWN	NH DESIGNED	17.11.2025 DATE	REVISION AMENDMENT	DRAWN DESIGNED DATE	This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas.	DRAWING TO BE PRINTED IN COLOUR	Title POST-DEV STORMWATER CATCHMENT PLAN	Drawing number 22K93_D4_C250	Revision 01							



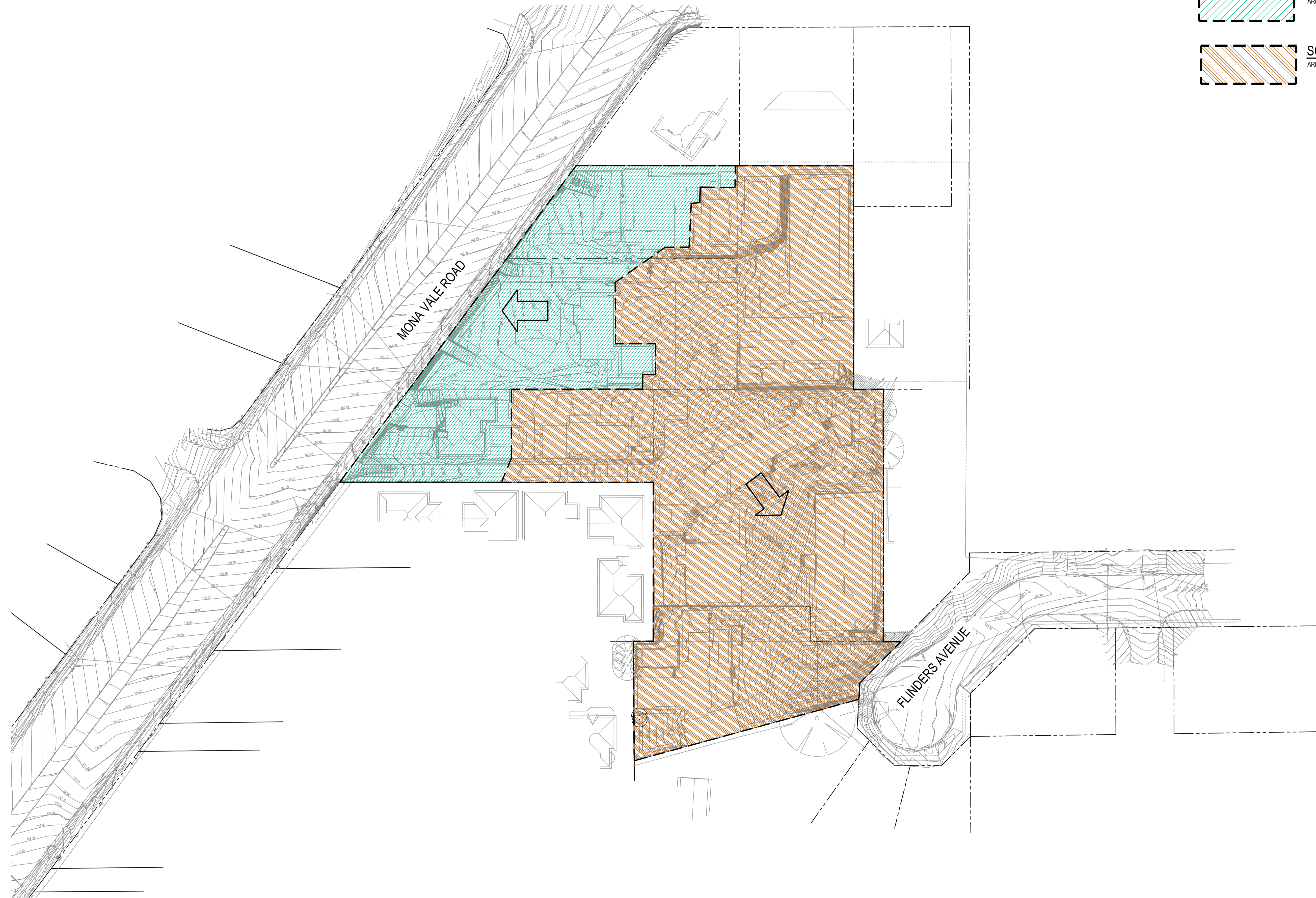
TOTAL SITE AREA: 12,744m²



WESTERN CATCHMENT
AREA: 3420m²



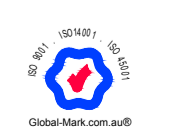

SOUTH-EAST CATCHMENT
AREA: 9324m²



0 10 20 30 40 50m
SCALE 1:500

PRE-DEVELOPED STORMWATER CATCHMENT PLAN
SCALE: 1:500

ISSUED FOR S4.55 APPROVAL

SURVEY INFORMATION SURVEYED BY: SDG DATUM: AHD ORIGIN OF LEVELS: SSM 85414 RL 163393					Client OPAL HEALTHCARE				Suite 2.01 828 Pacific Highway Gordon NSW 2072		Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@hthconsult.com.au Web www.henryandhymas.com.au		Project PROPOSED HEALTHCARE DEVELOPMENT 285-289, 293-295 MONA VALE RD & 1 FLINDERS AVE, ST IVES, NSW		Drawn M.Pereira		Designed N.Heazlewood		Date FEB 2024	
					Architect GROUP GSA								Checked N.Heazlewood		Approved A.Francis		Scale @A1 1:250			
01 REVISION	ISSUED FOR S4.55	AMENDMENT	DC	NH	17.11.2025	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	Drawing number 22K93_D4_C251				Revision 01					

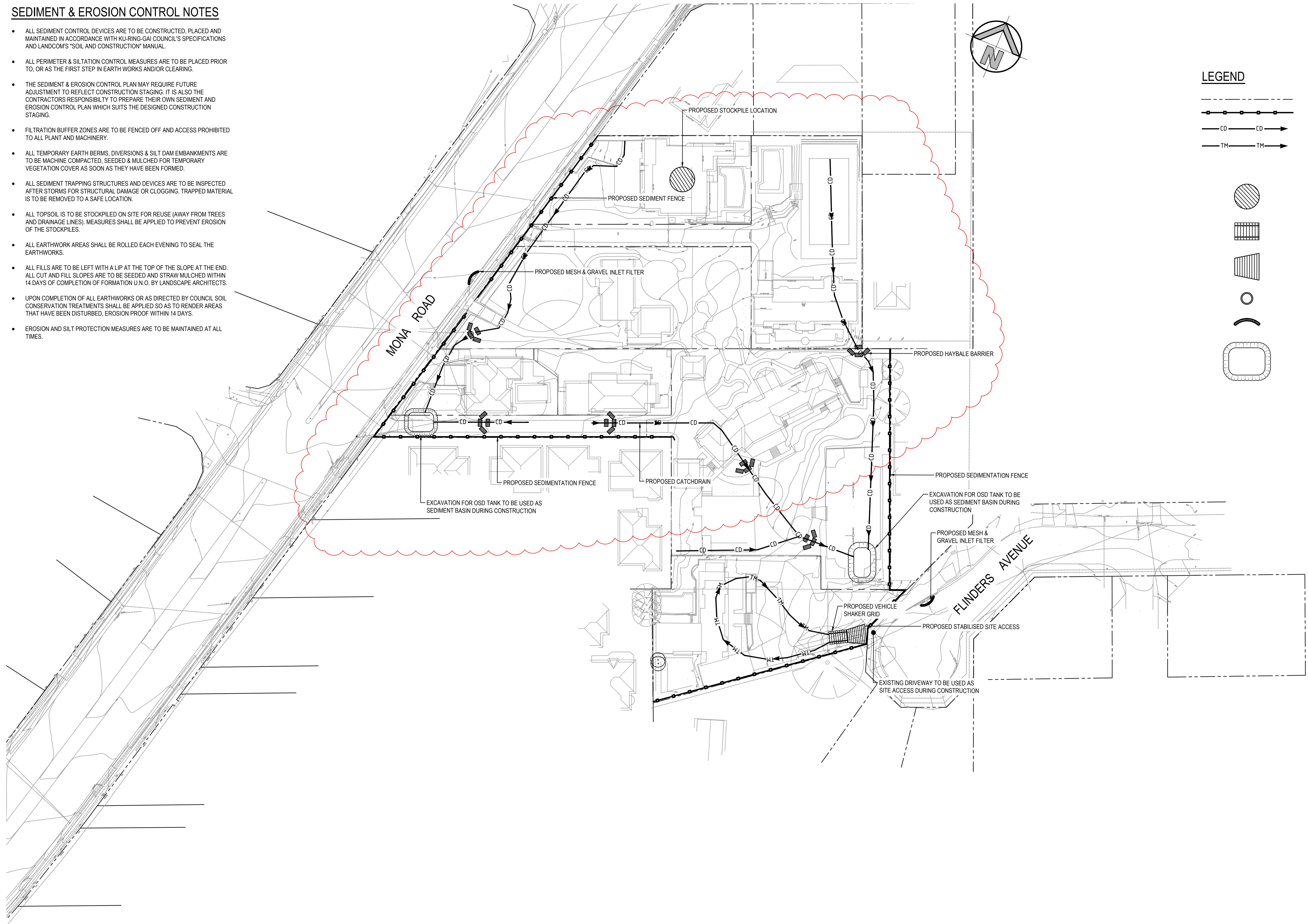
This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas.

DRAWING TO BE PRINTED IN COLOUR

henry&hymas

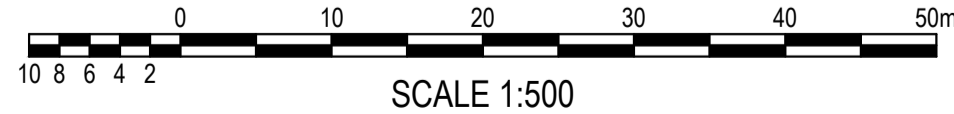
SEDIMENT & EROSION CONTROL NOTES

- ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH KURUNG-GAI COUNCIL'S SPECIFICATIONS AND LANDCOM'S "SOIL AND CONSTRUCTION" MANUAL.
- ALL PERIMETER & SILTATION CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN EARTH WORKS AND/OR CLEARING.
- THE SEDIMENT & EROSION CONTROL PLAN MAY REQUIRE FUTURE ADJUSTMENT TO REFLECT CONSTRUCTION STAGING. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO PREPARE THEIR OWN SEDIMENT AND EROSION CONTROL PLAN WHICH SUITS THE DESIGNED CONSTRUCTION STAGING.
- FILTRATION BUFFER ZONES ARE TO BE FENCED OFF AND ACCESS PROHIBITED TO ALL PLANT AND MACHINERY.
- ALL TEMPORARY EARTH BERMS, DIVERSIONS & SILT DAM EMBANKMENTS ARE TO BE MACHINE COMPACTED, SEEDED & MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.
- ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS FOR STRUCTURAL DAMAGE OR CLOGGING. TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE LOCATION.
- ALL TOPSOIL IS TO BE STOCKPILED ON SITE FOR REUSE (AWAY FROM TREES AND DRAINAGE LINES). MEASURES SHALL BE APPLIED TO PREVENT EROSION OF THE STOCKPILES.
- ALL EARTHWORK AREAS SHALL BE ROLLED EACH EVENING TO SEAL THE EARTHWORKS.
- ALL FILLS ARE TO BE LEFT WITH A LIP AT THE TOP OF THE SLOPE AT THE END. ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND STRAW MULCHED WITHIN 14 DAYS OF COMPLETION OF FORMATION U.N.O. BY LANDSCAPE ARCHITECTS.
- UPON COMPLETION OF ALL EARTHWORKS OR AS DIRECTED BY COUNCIL SOIL CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF WITHIN 14 DAYS.
- EROSION AND SILT PROTECTION MEASURES ARE TO BE MAINTAINED AT ALL TIMES.



LEGEND

- SITE BOUNDARY
- PROPOSED SEDIMENTATION FENCE
- CD --- CD --- PROPOSED CATCH DIVERSION DRAIN
- TM --- TM --- PROPOSED TRAFFIC MANOEUVRING
- (hatched) PROPOSED STOCKPILE LOCATION
- (hatched) PROPOSED VEHICLE SHAKER GRID
- ▭ (hatched) PROPOSED STABILISED SITE ACCESS
- (circle) PROPOSED GEO-TEXTILE INLET FILTER
- (circle with lines) PROPOSED MESH AND GRAVEL INLET FILTER
- (square) PROPOSED TEMPORARY SEDIMENT BASIN



SEDIMENT AND EROSION CONTROL PLAN
SCALE: 1:500

ISSUED FOR S4.55 APPROVAL

NOTE:
CLOUDING IN RED REFLECTS CHANGES TO THE DESIGN SINCE THE PREVIOUS SSD APPLICATION (SSD-48028209)

SURVEY INFORMATION SURVEYED BY: SDG DATUM: AHD ORIGIN OF LEVELS: SSM 85414 RL 163393																					
01	ISSUED FOR S4.55	DC	NH	17.11.2025																	
REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE												

Client
OPAL HEALTHCARE

Architect
GROUP GSA

This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas.

Suite 2.01
828 Pacific Highway
Gordon NSW 2072

Telephone
+61 2 9417 8400
Facsimile
+61 2 9417 8337
Email
email@hhconsult.com.au
Web
www.henryandhymas.com.au

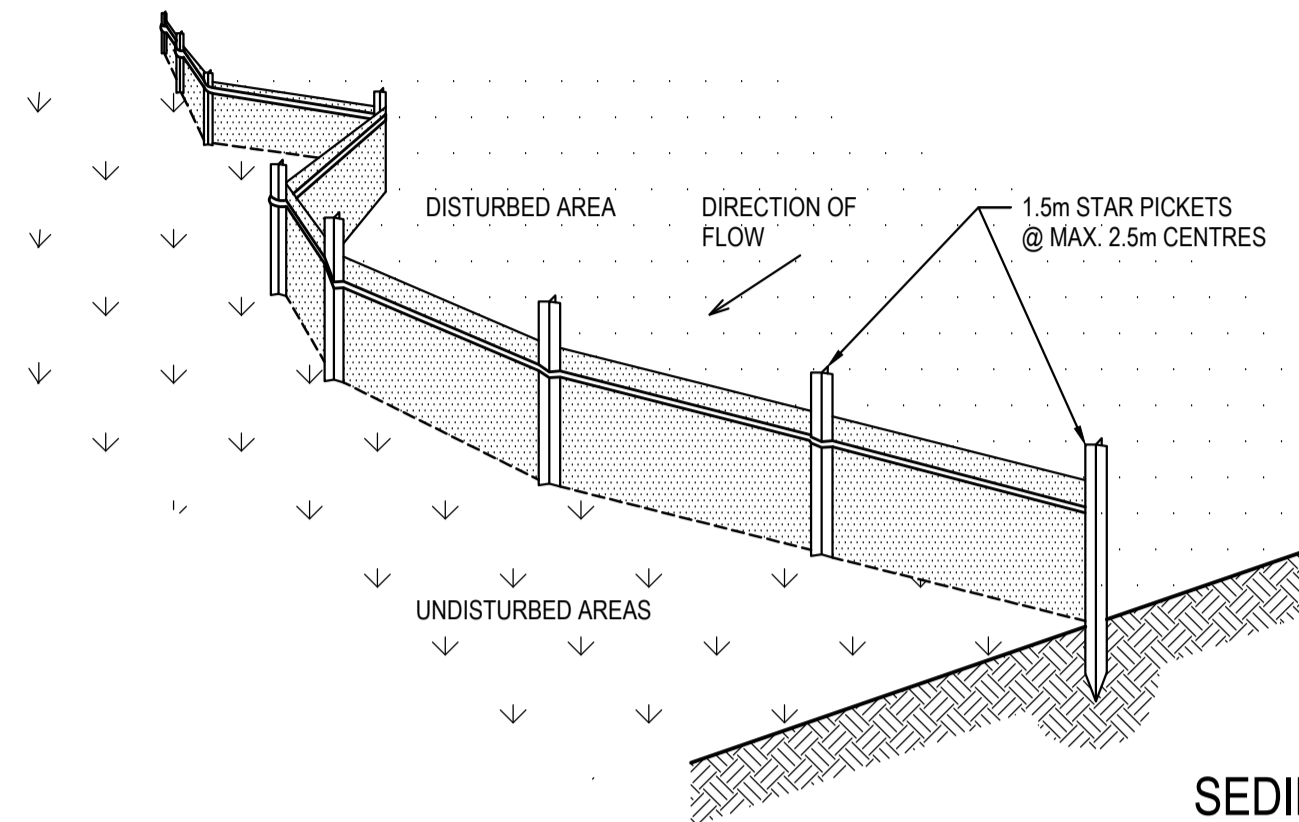
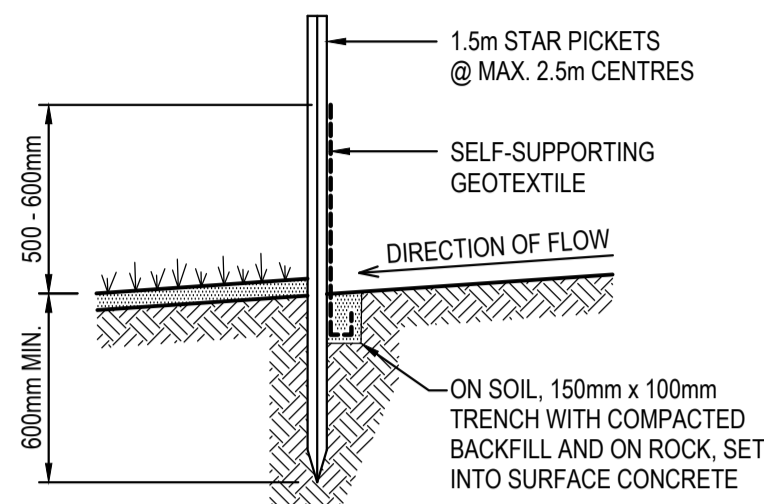
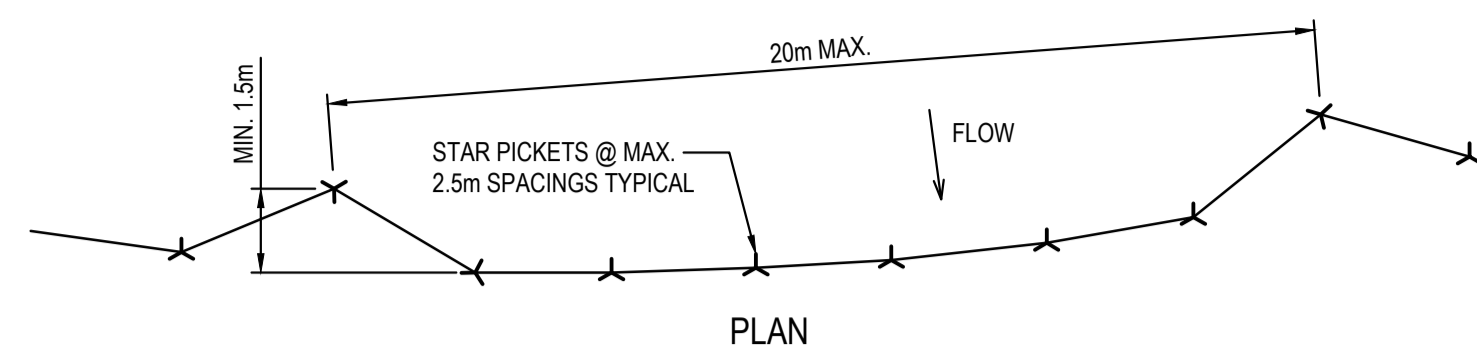
DRAWING TO BE PRINTED IN COLOUR



Project
PROPOSED HEALTHCARE DEVELOPMENT
285-289, 293-295 MONA VALE RD & 1 FLINDERS AVE, ST IVES, NSW

Title
SEDIMENT AND EROSION CONTROL PLAN

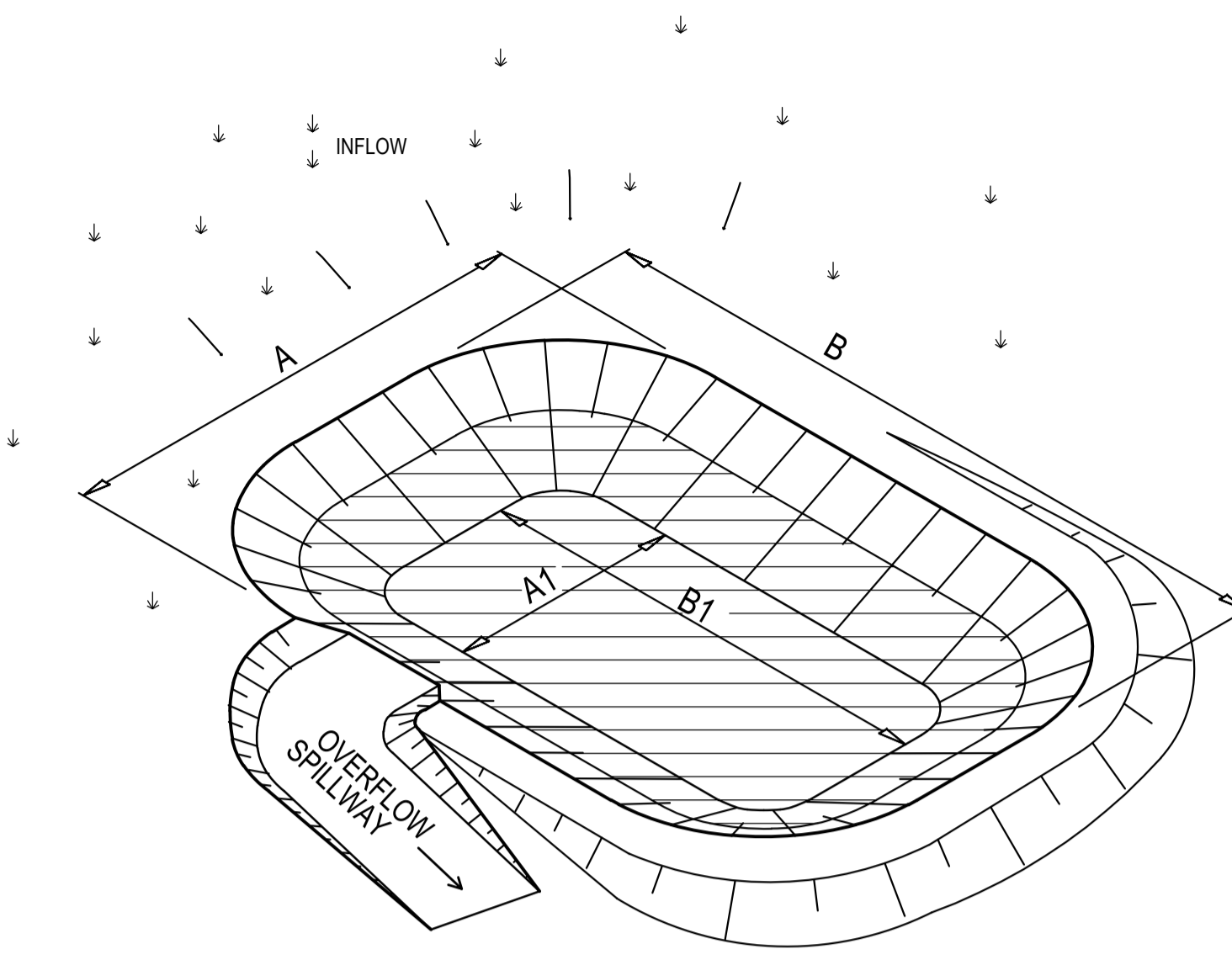
Drawn M.Pereira	Designed N.Heazlewood	Date FEB 2024
Checked N.Heazlewood	Approved A.Francis	Scale @A1 1:500
Drawing number 22K93_D4_SE01		Revision 01



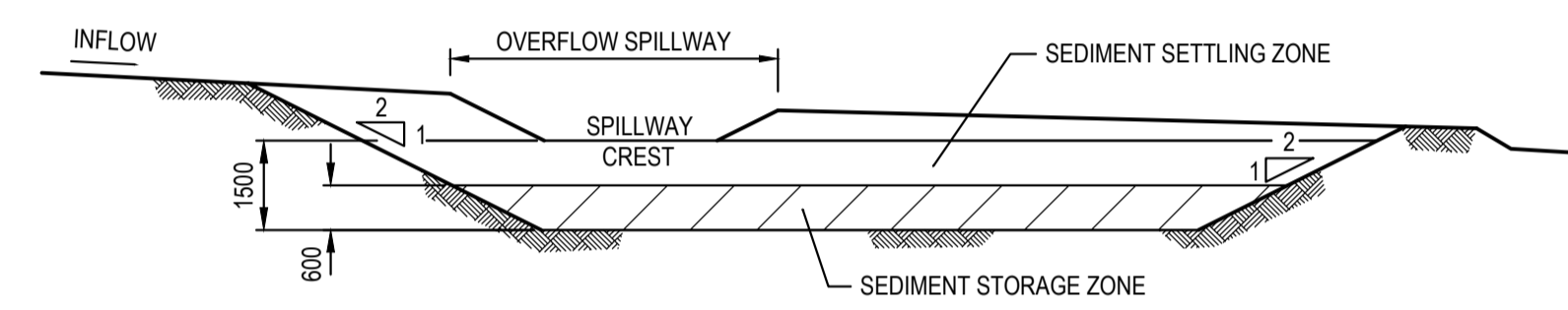
SEDIMENT FENCE
SCALE N.T.S.

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.

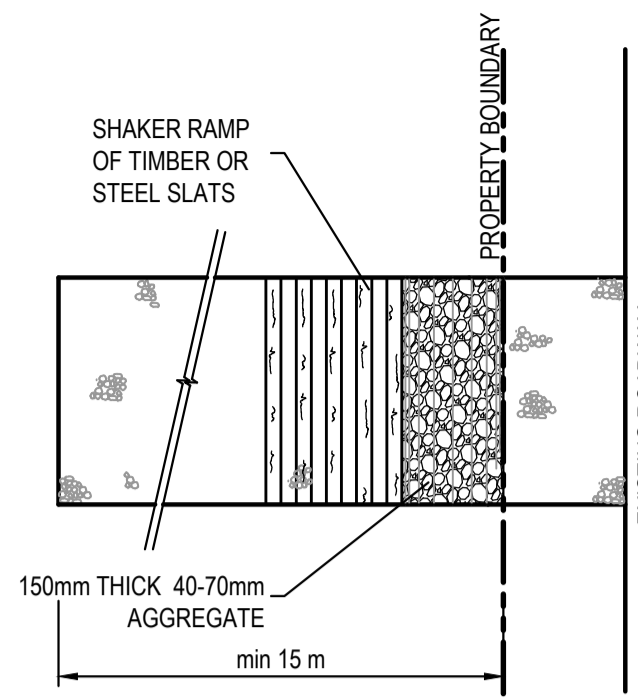


PERSPECTIVE VIEW



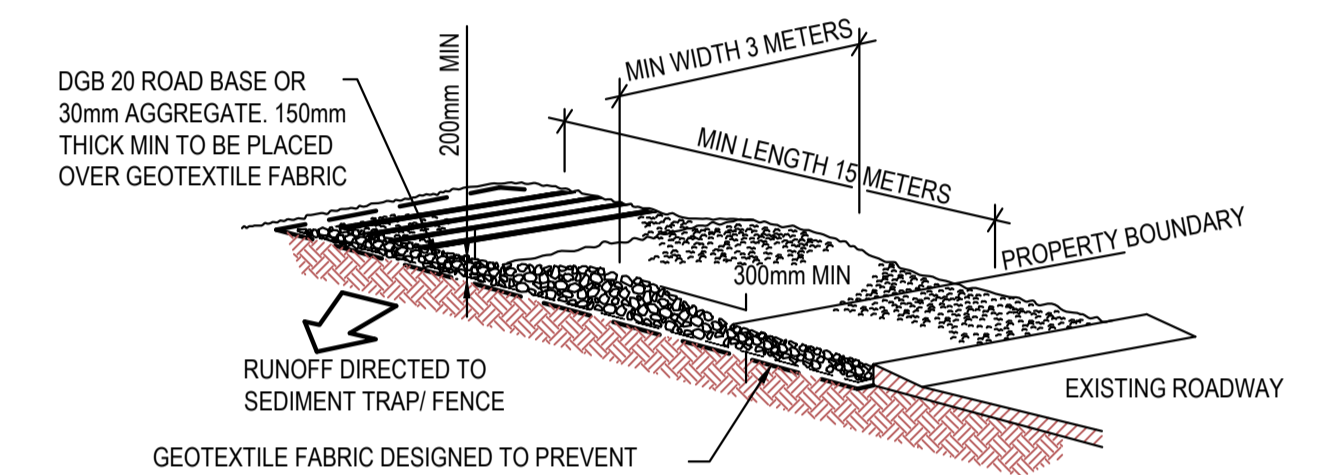
TYPICAL SECTION

TYPE 'D' & 'F' SEDIMENTATION BASIN
N.T.S.



PLAN
STABILISED SITE ACCESS WITH SHAKER RAMP
N.T.S.

CONSTRUCTION SITE



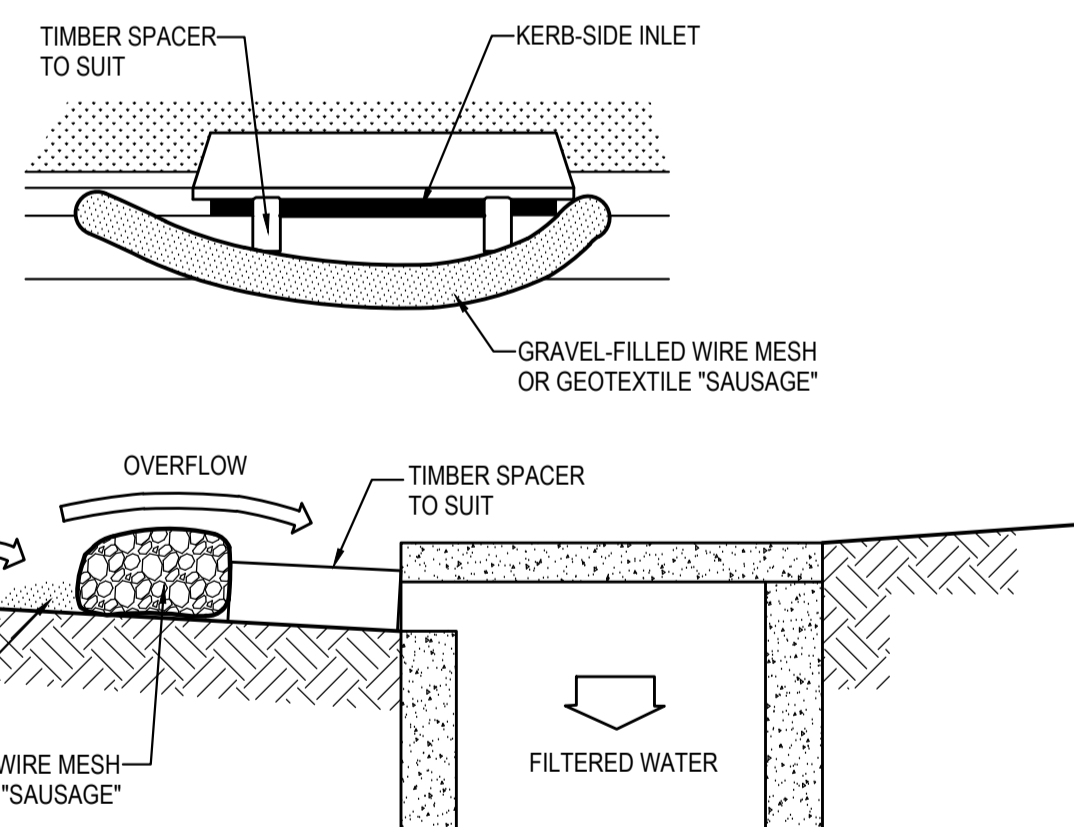
GEOTEXTILE FABRIC DESIGNED TO PREVENT INTERMIXING OF SUB GRADE AND BASE MATERIALS AND TO MAINTAIN GOOD PROPERTIES OF THE SUB-BASE LAYERS.

GEOTEXTILE MAY BE A WOVEN OR NEEDLE PUNCHED PRODUCT WITH A MINIMUM CBR BURST STRENGTH (AS3706.4-90) OF 2500 N

STABILISED SITE ACCESS WITH SHAKER RAMP
N.T.S.

NOTES:

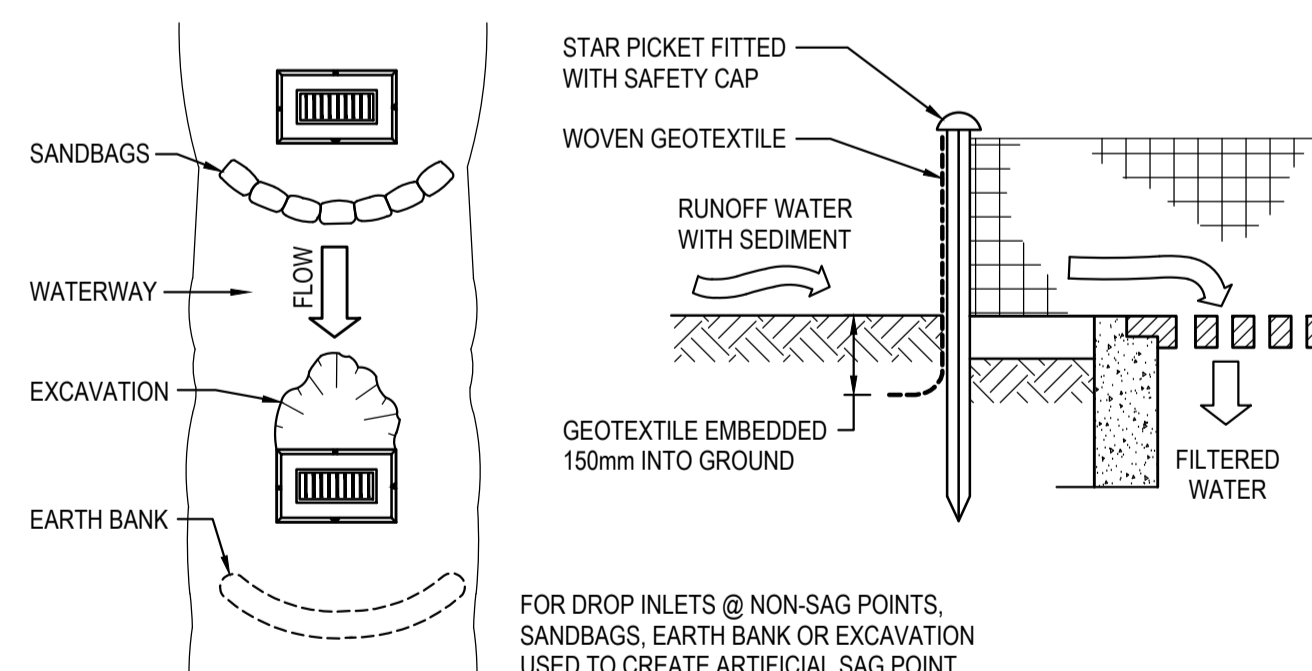
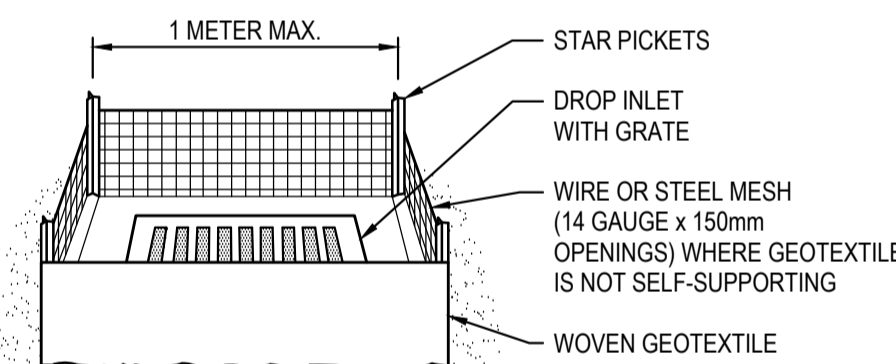
- THIS DEVICE IS TO BE LOCATED AT ALL EXITS FROM CONSTRUCTION SITE.
- THIS DEVICE IS TO BE REGULARLY CLEANED OF DEPOSITED MATERIAL SO AS TO MAINTAIN A 50mm DEEP SPACE BETWEEN PLANKS.
- ANY UNSEALED ROAD BETWEEN THIS DEVICE AND NEAREST ROADWAY IS TO BE TOPPED WITH 100mm THICK 40-70mm SIZE AGGREGATE.
-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



MESH & GRAVEL INLET FILTER CONSTRUCTION NOTES:

- 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 CAN FIRMLY ABUT EACH OTHER AND SEDIMENT / LADEN WATERS CANNOT PASS BETWEEN.

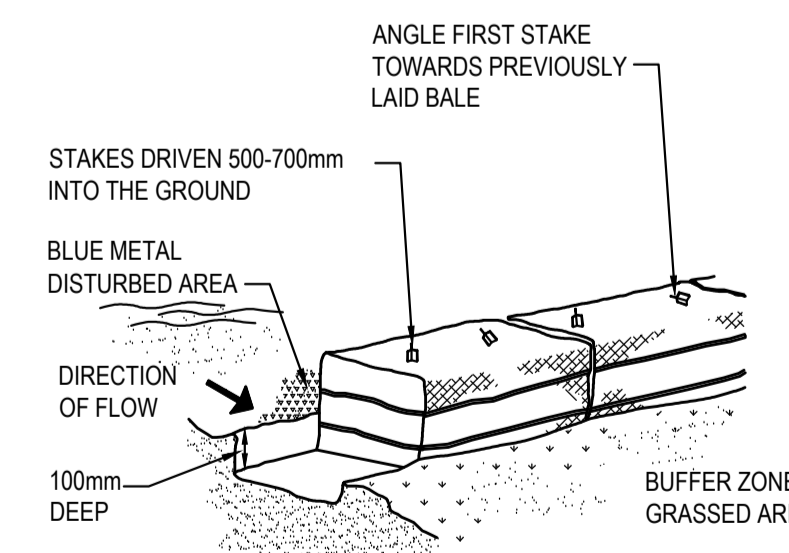
MESH & GRAVEL INLET FILTER
SCALE N.T.S.



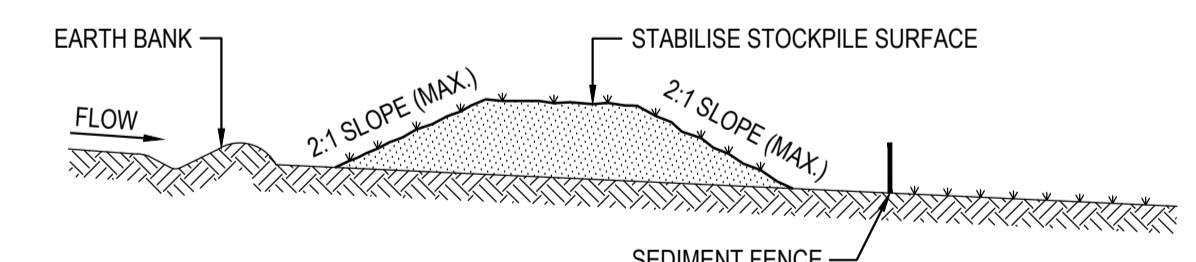
GEOTEXTILE INLET FILTER CONSTRUCTION NOTES:

- 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.



HAYBALE BARRIERS
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.

ISSUED FOR S4.55 APPROVAL

SURVEY INFORMATION SURVEYED BY: SDG DATUM: AHD ORIGIN OF LEVELS: SSM 8514 RL 163393											Client OPAL HEALTHCARE Architect GROUP GSA	Suite 2.01 828 Pacific Highway Gordon NSW 2072 Telephone +61 2 9417 8400 Facsimile +61 2 9417 8337 Email email@hthconsult.com.au Web www.henryandhymas.com.au		Project PROPOSED HEALTHCARE DEVELOPMENT 285-289, 293-295 MONA VALE RD & 1 FLINDERS AVE, ST IVES, NSW	Drawn M.Pereira Checked N.Heazlewood	Designed N.Heazlewood Approved A.Francis	Date FEB 2024 Scale @A1 N.T.S.
	01 REVISION AMENDMENT	DC DRAWN	NH DESIGNED	17.11.2025 DATE	REVISION	AMENDMENT	DRAWN	DESIGNED	DATE	This drawing and design remains the property of Henry & Hymas and may not be copied in whole or in part without the prior written approval of Henry & Hymas.	DRAWING TO BE PRINTED IN COLOUR	Title SEDIMENT AND EROSION CONTROL DETAILS		Drawing number 22K93_D4_SE02	Revision 01		

