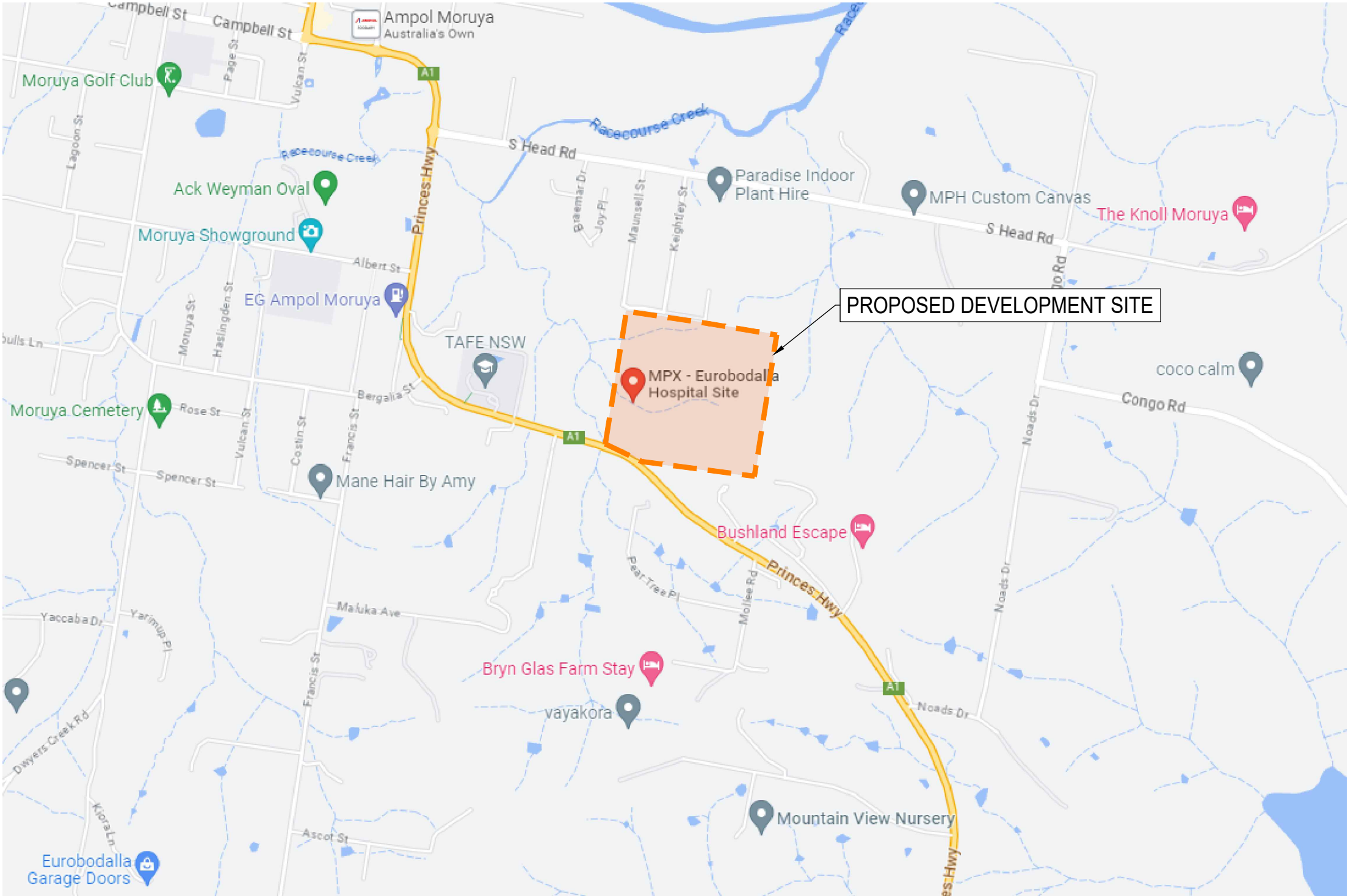


13086-01C - SOIL REF CONSERVATION WORKS

EUROBODALLA HOSPITAL

PRINCES HIGHWAY, MORUYA, NSW



LOCALITY PLAN
NTS

DRAWING NO.	DESCRIPTION
ERH-TTW-00-DR-CI-0501	DRAWING REGISTER AND LOCALITY PLAN
ERH-TTW-00-DR-CI-0502	CONSTRUCTION NOTES
ERH-TTW-00-DR-CI-0530	SITE WORKS PLAN
ERH-TTW-00-DR-CI-0540	DETAILS AND SECTIONS SHEET 1
ERH-TTW-00-DR-CI-0541	DETAILS AND SECTIONS SHEET 2

Filename: C:\501_COVER PAGE.dwg - USER: jareth - Plot File Created: Aug 17, 2023 - 11:53am

REF SUBMISSION
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				Client				Sheet Subject				Scale : A1				Drawn				Authorised									
				Multiplex								EUROBODALLA HOSPITAL				SOIL REF				WW				AH					
																DRAWING REGISTER AND													
																LOCALITY PLAN													
A ISSUE FOR REVIEW				JH WW 18.08.23																									
Rev		Description		Eng		Draft		Date		Rev		Description		Eng		Draft		Date		Rev		Description		Eng		Draft		Date	

Job No

221896

Plot File Created: Aug 17, 2023 - 11:53am

Drawing No

ERH-TTW-00-DR-CI-0501

Revision

A

THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS OR SKETCHES AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE SUPERINTENDENT BEFORE PROCEEDING WITH WORK.

G2 MATERIALS AND WORKSMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT SAA CODES, BUILDING REGULATIONS AND THE REQUIREMENTS OF ANY OTHER RELEVANT STATUTORY AUTHORITIES.

G3 THESE DRAWINGS MUST NOT BE SCALED. ALL DIMENSIONS ARE IN METERS. ALL SET OUT DIMENSIONS AND LEVELS, INCLUDING THOSE SHOWN ON THESE DRAWINGS SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S DRAWINGS AND VERIFIED ON SITE.

G4 ALL SETOUT AND DIMENSIONS OF THE STRUCTURE INCLUDING KERBS AND RETAINING WALLS MUST BE TAKEN FROM THE ARCHITECT'S DRAWINGS. SETOUT OF THE STORMWATER PITS BY OTHERS. CONTRACTOR TO CONFIRM SETOUT OF SERVICE TRENCHING INCLUDING SUBSOIL ON SITE.

G5 THE CONTRACTOR SHALL COMPLY WITH ALL REGULATIONS OF AUTHORITIES HAVING JURISDICTION OVER THE WORKS. REFER TO GEOTECHNICAL REPORT BY JK GEOTECHNICS PTY LTD DATED 21st MAY 2021, REF: 3394.2L Trp2

G6 ALL DIMENSIONS AND REDUCED LEVELS MUST BE VERIFIED ON SITE BEFORE THE COMMENCEMENT OF ANY WORK.

G7 THE APPROVAL OF A SUBSTITUTION SHALL BE SOUGHT FROM THE SUPERINTENDENT BUT IS NOT AN AUTHORISATION OF A COST VARIATION. THE SUPERINTENDENT MUST APPROVE ANY COST VARIATION INVOLVED BEFORE ANY WORK STARTS.

G8 ALL LEVELS SHOWN ARE TO THE AUSTRALIAN HEIGHT DATUM.

G9 SERVICE INFORMATION SHOWN IS APPROXIMATE ONLY. PRIOR TO COMMENCEMENT OF ANY WORKS, THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND SERVICES AND COMPLY WITH ALL REQUIREMENTS OF THOSE AUTHORITIES.

G10 EXISTING SURFACE CONTOURS, WHERE SHOWN, ARE INTERPOLATED AND MAY NOT BE ACCURATE.

G11 UNLESS NOTED OTHERWISE, ALL VEGETATION SHALL BE STRIPPED TO A MINIMUM DEPTH OF 150mm UNDER ALL PROPOSED PAVEMENT AND BUILDING AREAS.

G12 MAKE SMOOTH CONNECTION WITH ALL EXISTING WORKS.

PRIOR TO THE PLACEMENT OF ANY PAVEMENTS, BUILDINGS OR DRAINS THE EXPOSED SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD COMPACTION IN ACCORDANCE WITH TEST 111 OF A.S. 1289 FOR THE TOP 300mm. ANY SOFT SPOTS SHALL BE REMOVED AND REPLACED WITH GRANULAR FILL TO THE ENGINEERS APPROVAL AND COMPACTION IN ACCORDANCE WITH THE COMPACTION REQUIREMENTS SET OUT BELOW ON HIGHLY REACTIVE CLAY AREAS SITE EXCAVATED MATERIAL MAY BE USED WITH THE PRIOR AUTHORISATION OF THE ENGINEER

52. ALL FILL AND PAVEMENT MATERIALS SHALL BE COMPACTED IN ACCORDANCE WITH GEOTECHNICAL REPORT BY JK GEOTECHNICALS PTY LTD DATED 21ST MAY 2021, REF: 3394217p2. MOISTURE CONTENT TO BE MAINTAINED AT -/- 2% OMC. MINIMUM COMPACTION REQUIREMENTS ARE DETAILLED BELOW FOR ALL REQUIREMENTS ARE TO BE VERIFIED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER

• LANDSCAPED AREAS	98% STD.
• FILL UNDER ANY FOOTINGS AND FLOOR SLABS FOR ANY STRUCTURE TO SUBGRADE LEVEL, - FINE CRUSHED ROCK - SELECTED FILL WITHOUT CONSPICUOUS CLAY CONTENT	98% STD 98% STD
• BUILDING BASECOURSE	98% MOD
• FILL UNDER ROAD PAVEMENTS, - TO WITHIN 500mm OF FINISHED SUBGRADE LEVEL - UP TO FINISHED SUBGRADE LEVEL	98% STD 98% STD
• ROAD PAVEMENT MATERIALS, - SUB BASE - BASE COURSE	98% MOD 98% MOD

THE MAXIMUM COMPACTION IS TO BE NO GREATER THAN 4% ON TOP OF THE ABOVE MENTION VALUES.

53. GRADE EVENLY BETWEEN FINISHED SURFACE SPOT LEVELS. FINISHED SURFACE CONTOURS ARE SHOWN FOR CLARITY. WHERE FINISHED SURFACE LEVELS ARE NOT SHOWN, THE SURFACE SHALL BE GRADED SMOOTHLY SO THAT IT WILL DRAIN AND MATCH ADJACENT SURFACES OR STRUCTURES.

54. ALL DIMENSIONS GIVEN ARE TO FACE OF KERB, CENTER OF PIPE OR EXTERIOR FACE OF BUILDING UNLESS NOTED OTHERWISE.

55. ANY STRUCTURES, PAVEMENTS OR SURFACES DAMAGED, DIRTIED OR MADE UNUSABLE DUE TO CONSTRUCTION WORK SHALL BE RENAISSA TO THE SATISFACTION OF THE ENGINEER.

56. ANY FILL REQUIRED SHALL BE APPROVED BY THE ENGINEER / GEOTECHNICAL CONSULTANT

57. CONTRACTOR IS TO ENSURE THAT ALL EXCAVATIONS ARE MAINTAINED IN A DRY CONDITION WITH NO WATER ALLOWED TO REMAIN IN THE EXCAVATIONS.

58. ALL FINISHES AND COLOURS TO BE IN ACCORDANCE WITH ARCHITECTURAL SPECIFICATIONS.

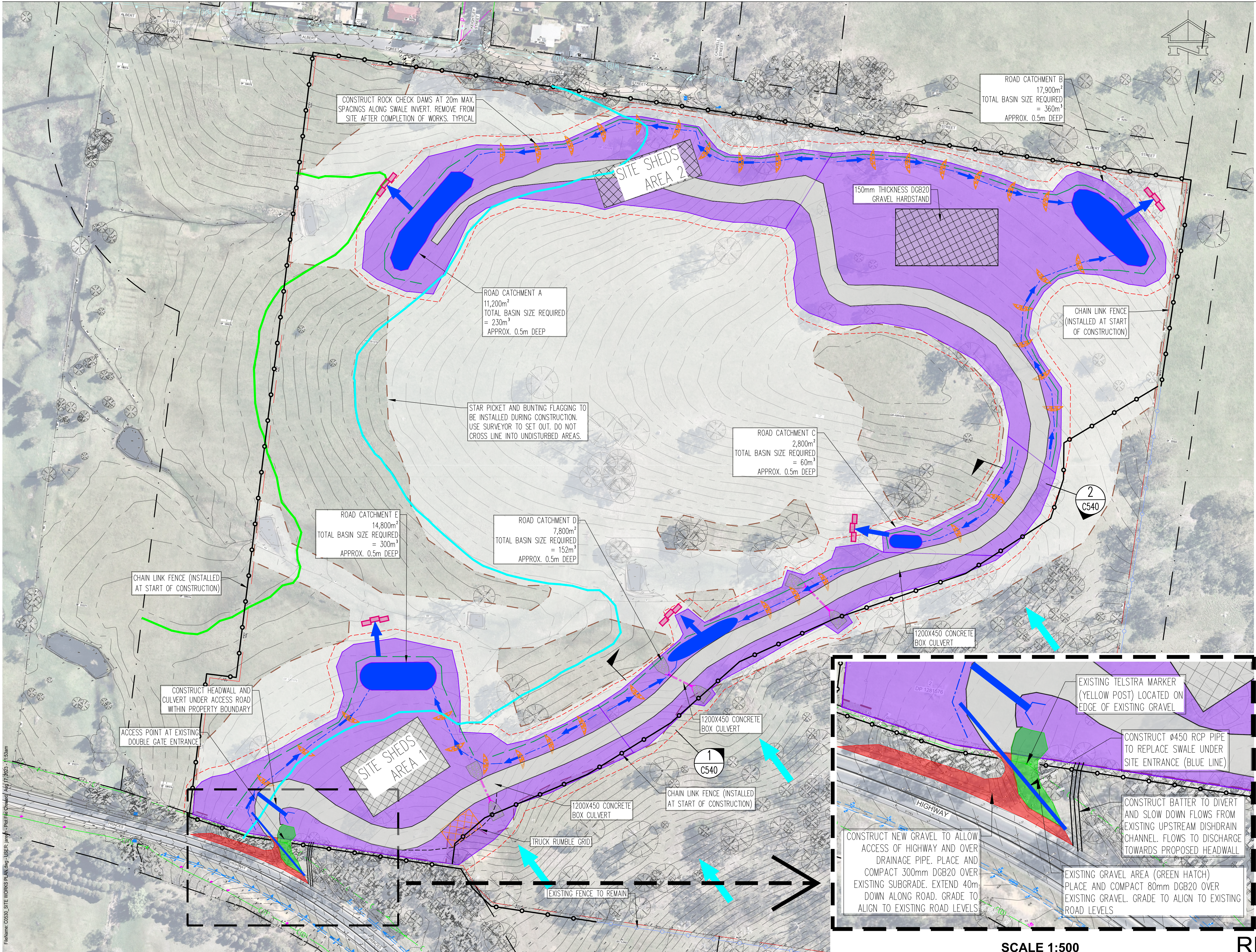
59. REFER TO STRUCTURAL DRAWINGS FOR CONCRETE, REINFORCEMENT AND RETAINING WALL DETAILS.

510. GENERALLY FOR TRENCHING WORKS THE CONTRACTOR MUST:

A) COMPLY WITH THE GENERAL PROVISIONS OF PART 3.1 "MANAGING RISKS TO HEALTH AND SAFETY" OF NSW WORK HEALTH AND SAFETY REGULATION 2011

B) COMPLY PART 6.3 DIVISION 3 "EXCAVATION WORK" OF NSW WORK HEALTH AND SAFETY REGULATION NSW 2011

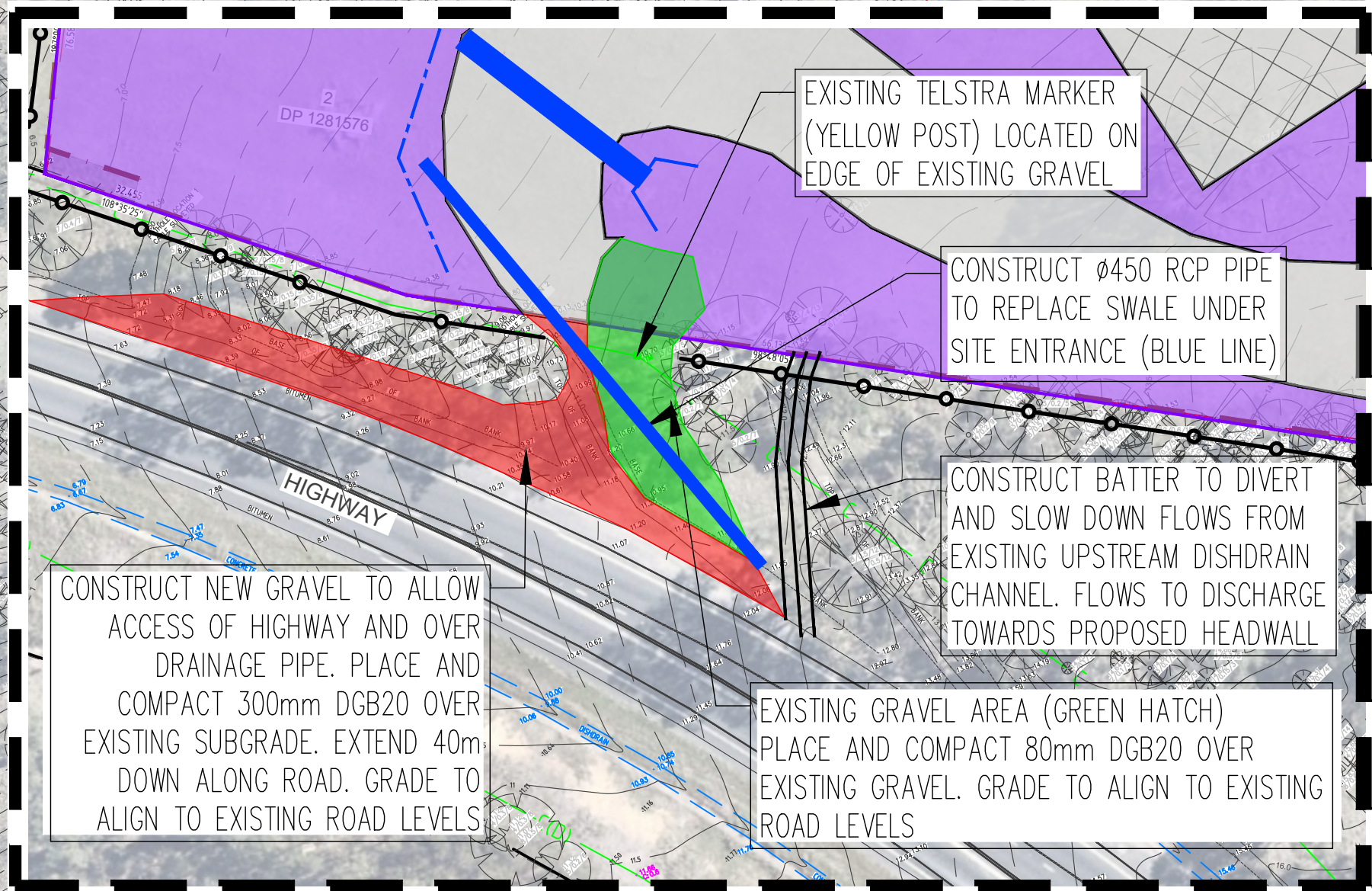
1. All basecourse material to comply with RMS specification No 3051 and compacted to minimum 98% modified standard dry density in accordance with AS 1289 5.2.1.
2. All trench backfill material shall be compacted to the same density as the adjacent material.
3. All service trenches under vehicular pavements shall be backfilled with an approved select material and compacted to a minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1



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LEGEND:

- PROPOSED BOUNDARY
- SWALE DIVERSION CHANNEL
- DISTURBED SITE WORKS AREA
- BIO SEDIMENT BASIN SETTLING AREA
- ROAD WAY/ SITE SHEDS
- 1% AEP FLOOD EXTENT
- PMF FLOOD EXTENT
- SEDIMENT FENCE
- TRUCK RUMBLE STRIPS
- ROCK CHECK DAM
- STRAW BALE SEDIMENT FILTER
- CULVERT HEADWALL OUTLET WITH SCOUR PROTECTION TO ALLOW FOR CLEAN UPSTREAM OVERLAND FLOWS THROUGH SITE WITHOUT CONTAMINATION
- SITE CONTAINMENT FENCE LINE
- EPBC BOUNDARY
- EXISTING FENCE TO REMAIN
- PROPOSED CHAIN LINK FENCE
- OVERLAND FLOWS FROM OFF SITE RUNOFF



SCALE 1:1000 0 10 20 30 40 50 m
AT ORIGINAL SIZE

THIS DRAWING HAS BEEN PREPARED USING COLOUR

SCALE 1:500

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E	RE-ISSUED FOR REVIEW	JH	JH	15.08.23					
D	RE-ISSUED FOR REVIEW	JH	JH	15.08.23					
C	RE-ISSUED FOR REVIEW	JH	JH	15.08.23					
B	RE-ISSUED FOR REVIEW	JH	JH	04.08.23					
A	ISSUED FOR REVIEW	JH	JH	21.07.23					
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date

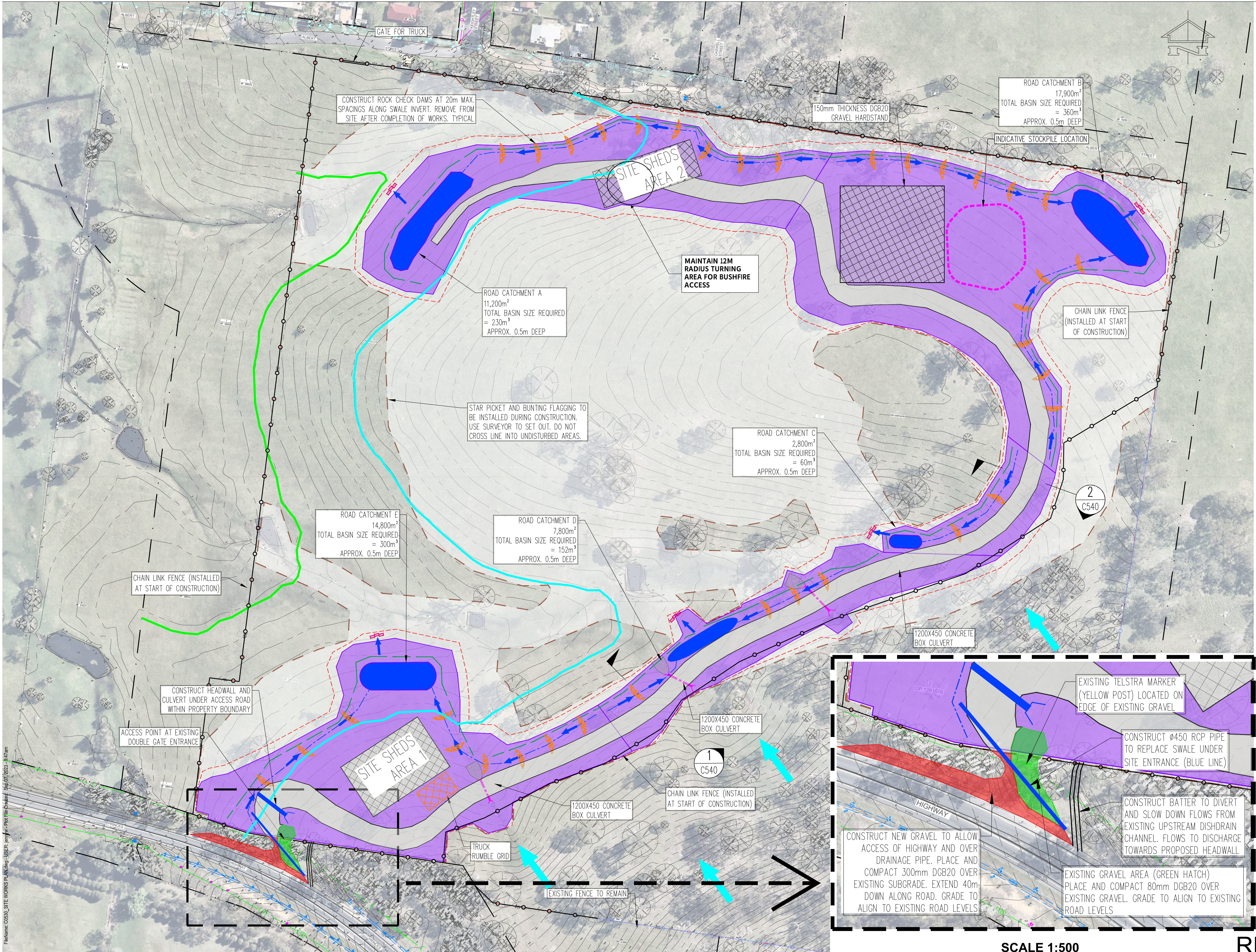
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Multiplex

Engineer
TTW Structural Civil Traffic Façade
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

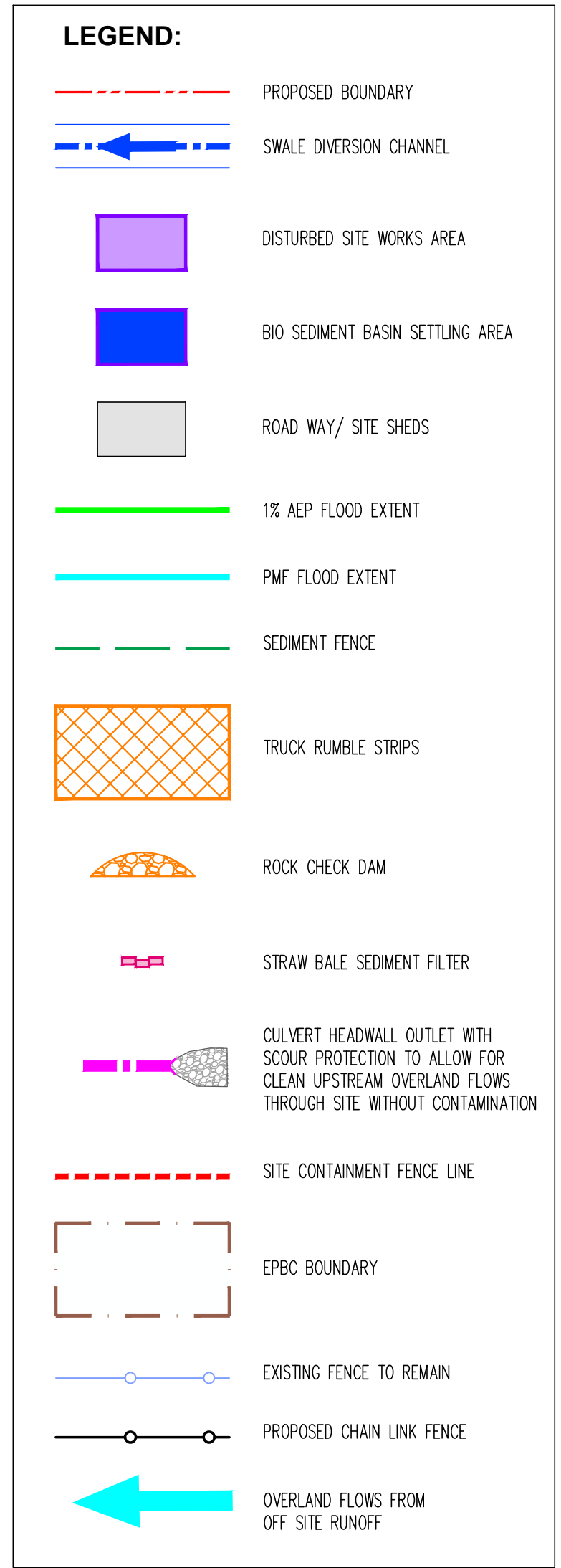
Project
EUROBODALLA HOSPITAL

Sheet Subject
SOIL REF
SITE WORKS PLAN

Scale : A1
1:1000
Job No
221896
Plot File Created : Aug 17, 2023 - 11:53am
Drawing No
ERH-TTW-00-DR-CI-0530
Authorised
AH
Revision
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SCALE 1:1000 0 10 20 30 40 50
AT ORIGINAL SIZE

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SCALE 1:500

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F	RE-ISSUED FOR REVIEW	JH	WW	05.09.23					
E	RE-ISSUED FOR REVIEW	JH	JH	15.08.23					
D	RE-ISSUED FOR REVIEW	JH	JH	15.08.23					
C	RE-ISSUED FOR REVIEW	JH	JH	15.08.23					
B	RE-ISSUED FOR REVIEW	JH	JH	04.08.23					
A	ISSUED FOR REVIEW	JH	JH	21.07.23	G	RE-ISSUED FOR REVIEW	JH	JW	07.09.23
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date

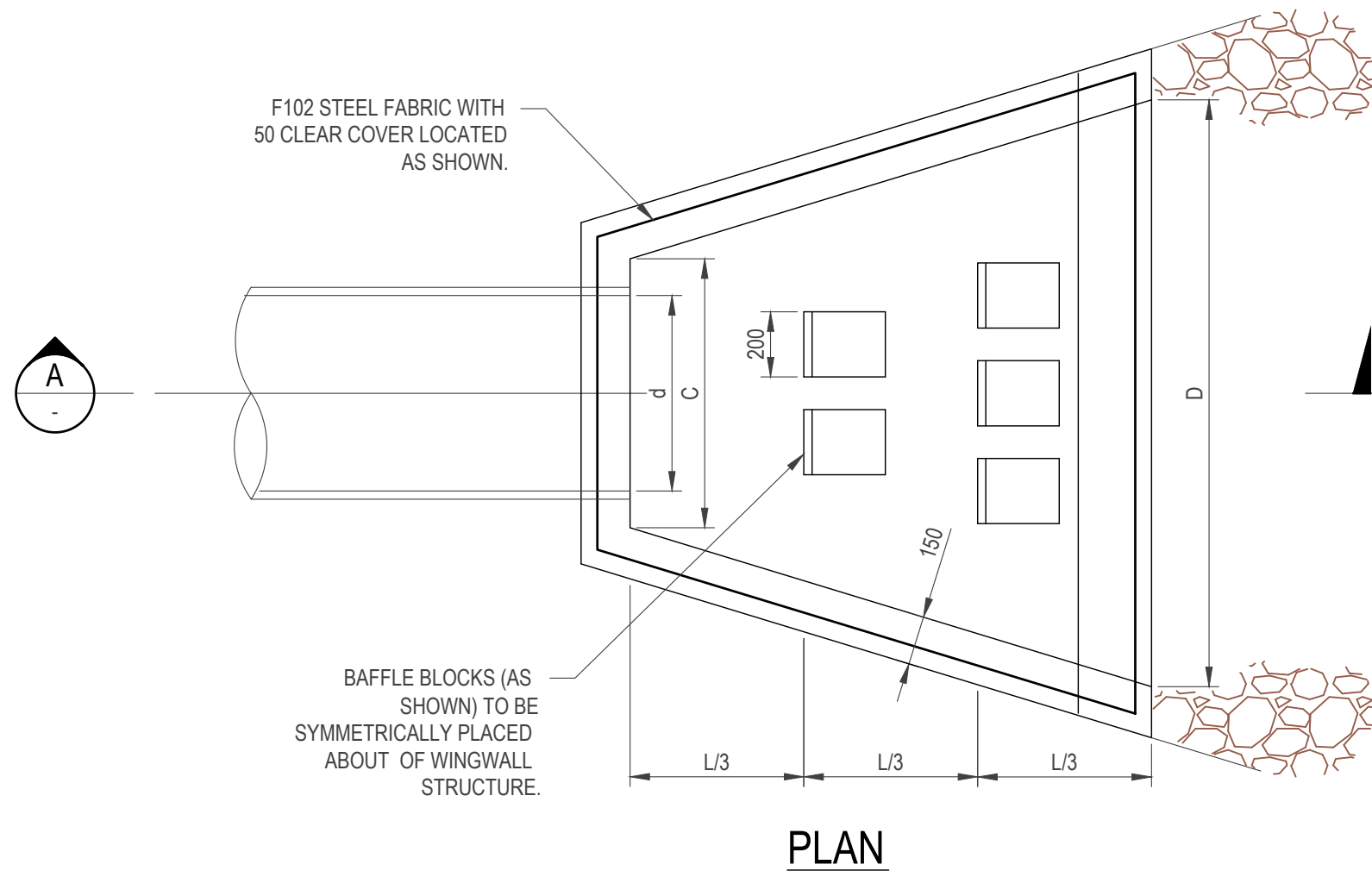
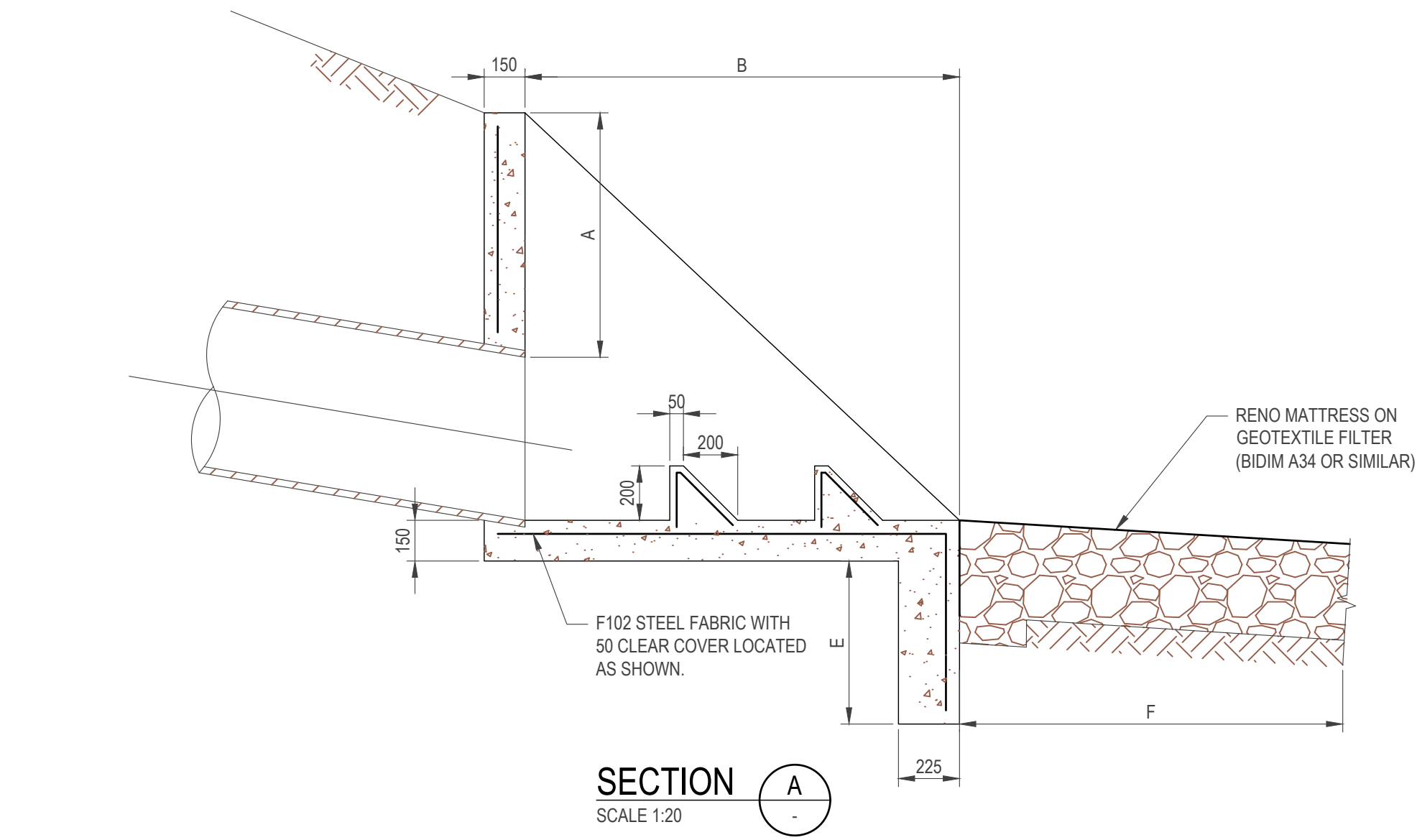
Client
Multiplex

Engineer
TTW Structural Civil Traffic Façade
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Project
EUROBODALLA HOSPITAL

Sheet Subject
SOIL REF
SITE WORKS PLAN

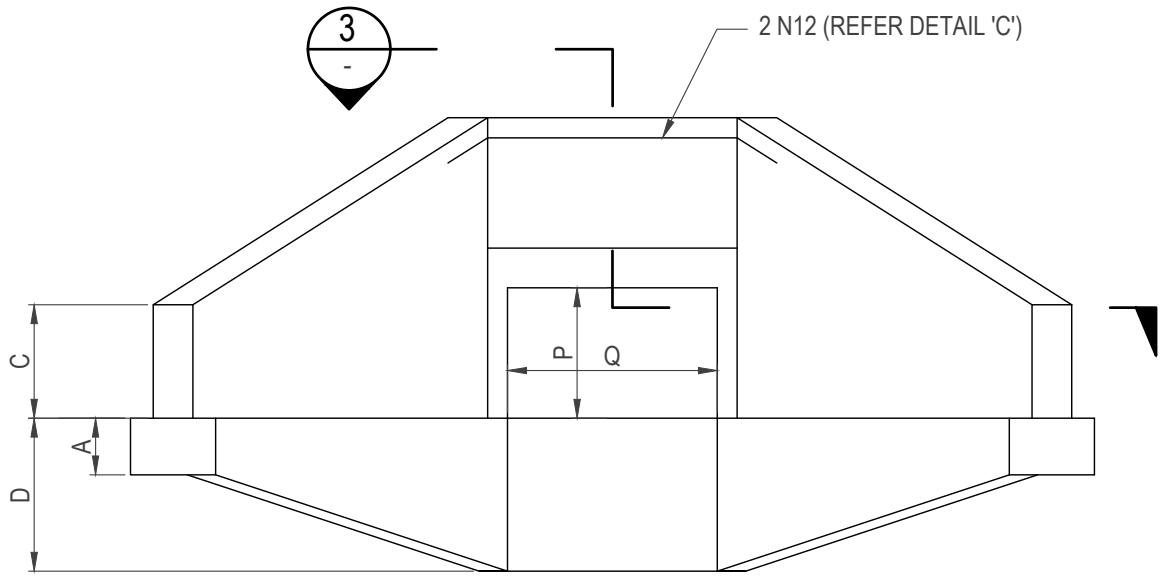
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221896
Plot File Created : Sep 07, 2023 - 9:47am
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Drawing No
ERH-TTW-00-DR-CI-0530
Authorised
AH
Revision
H



NOM SIZE OUTLET PIPE	DIMENSION	A	B	C	D	E	F
375 TO 525		600	1200	d + 150	d + 900	300	2000
600 TO 825		900	1600	d + 225	d + 1200	600	4000
900 TO 1200	* BOX CULVERTS	1250	2500	d + 300	d + 2500	900	6000

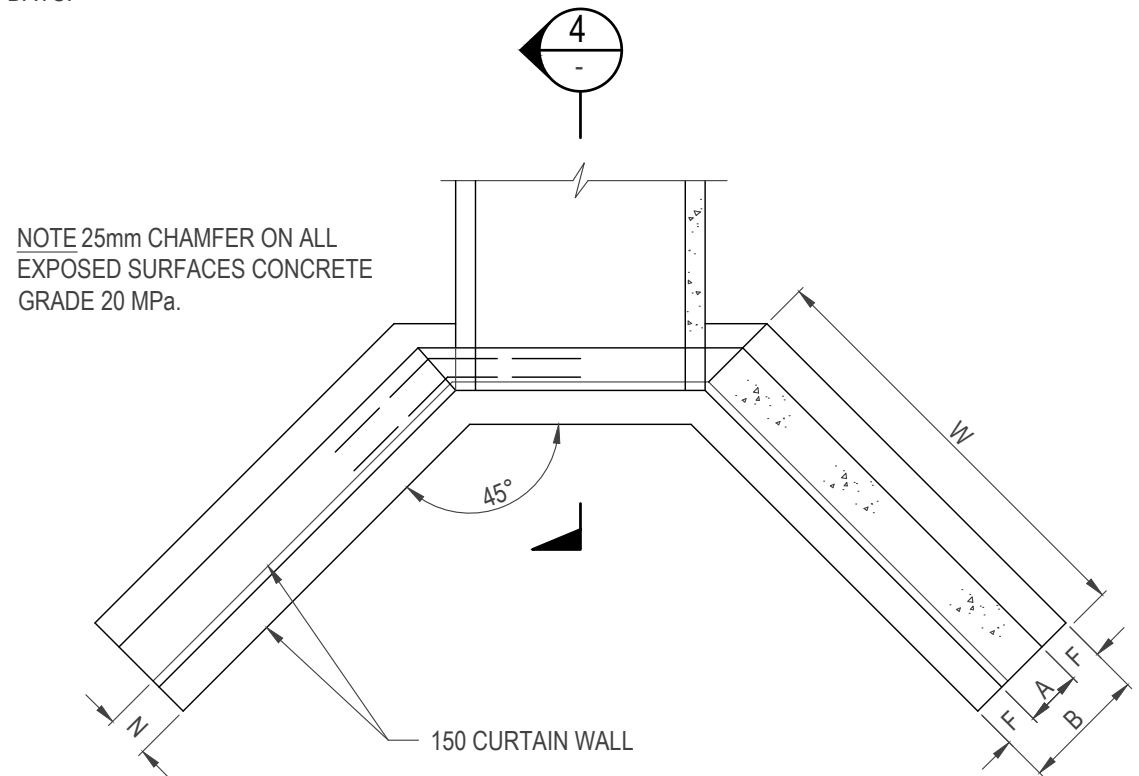
ENERGY DISSIPATER DETAIL
SCALE 1:20

HEADWALL DIMENSIONS													
CULVERT SIZE (P) x (Q)	A	B	C	D	E	F	G	H	J	K	N	W	L
1200 x 450	260	700	450	600	150	130	50	160	100	300	200	2300	1760



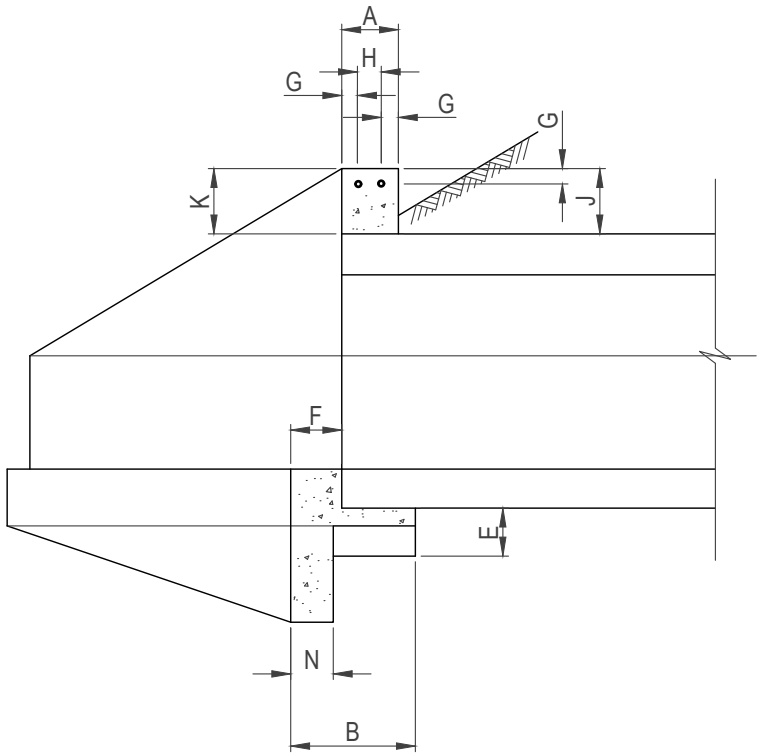
NOTE COMPRESSIVE STRENGTH (F_c) FOR CAST-IN-SITU CONCRETE TO BE A MINIMUM OF 20 MPa AT 28 DAYS.

ELEVATION



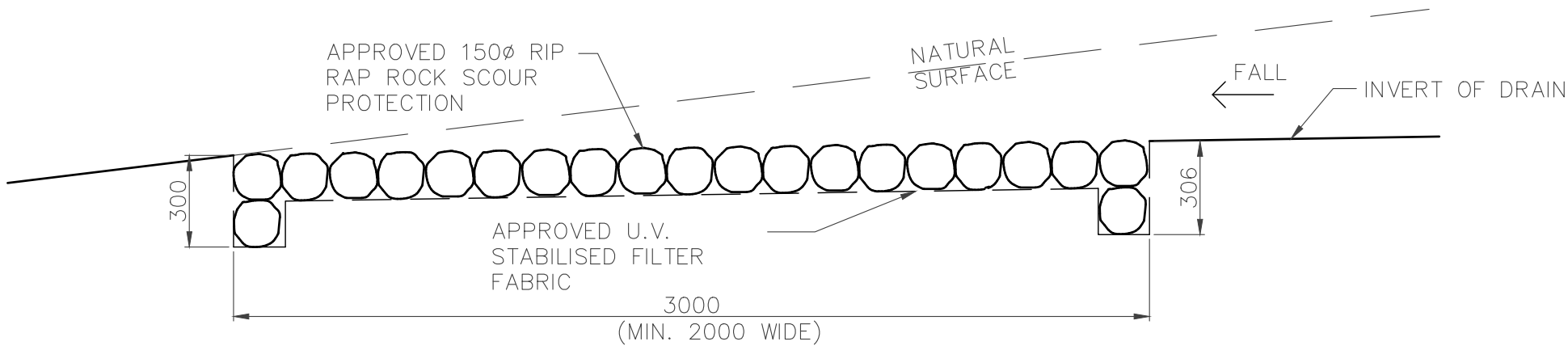
NOTE 25mm CHAMFER ON ALL EXPOSED SURFACES CONCRETE GRADE 20 MPa.

SECTION 3



SECTION 4

TYPICAL HEADWALL DETAIL
SCALE 1:20



SCOUR PROTECTION
SCALE 1:20

SCALE 1:1000 0 10 20 30 40 50
AT ORIGINAL SIZE

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Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
A	ISSUED FOR REVIEW	JH	JH	18.08.23										

Client
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TTW Structural Civil Traffic Façade
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Project
EUROBODALLA HOSPITAL

Sheet Subject
SOIL REF
SITE WORKS TYPICAL DETAILS
SHEET 2

Scale : A1
AS SHOWN
Job No
221896
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Drawn
JH
Drawing No
ERH-TTW-00-DR-CI-0541
Revision
AH
A

