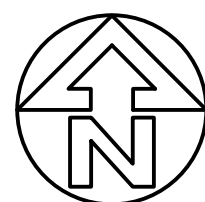


SCHOOL INFRASTRUCTURE NSW

ROY WATTS ROAD, GLENFIELD NSW 2167

HURLSTONE AGRICULTURE HIGH SCHOOL



LOCATION PLAN
N.T.S.

DRAWING SCHEDULE	
Sheet Number	Sheet Title
001	LOCATION PLAN & DRAWING SCHEDULE
005	GENERAL ARRANGEMENT PLAN
101	EROSION & SEDIMENT CONTROL PLAN
111	EROSION & SEDIMENT CONTROL DETAILS
201	BULK EARTHWORKS PLAN
210	CATCHMENT PLAN - SHEET 1 OF 2
211	CATCHMENT PLAN - SHEET 2 OF 2
301	STORMWATER MANAGEMENT PLAN - SHEET 1 OF 4
302	STORMWATER MANAGEMENT PLAN - SHEET 2 OF 4
303	STORMWATER MANAGEMENT PLAN - SHEET 3 OF 4
304	STORMWATER MANAGEMENT PLAN - SHEET 4 OF 4
401	SITEWORK PLAN - SHEET 1 OF 4
402	SITEWORK PLAN - SHEET 2 OF 4
403	SITEWORK PLAN - SHEET 3 OF 4
404	SITEWORK PLAN - SHEET 4 OF 4
601	DETAILS SHEET
701	SWEPH PATH PLAN

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ROY WATTS ROAD, GLENFIELD NSW 2167
LOCATION PLAN & DRAWING SCHEDULE

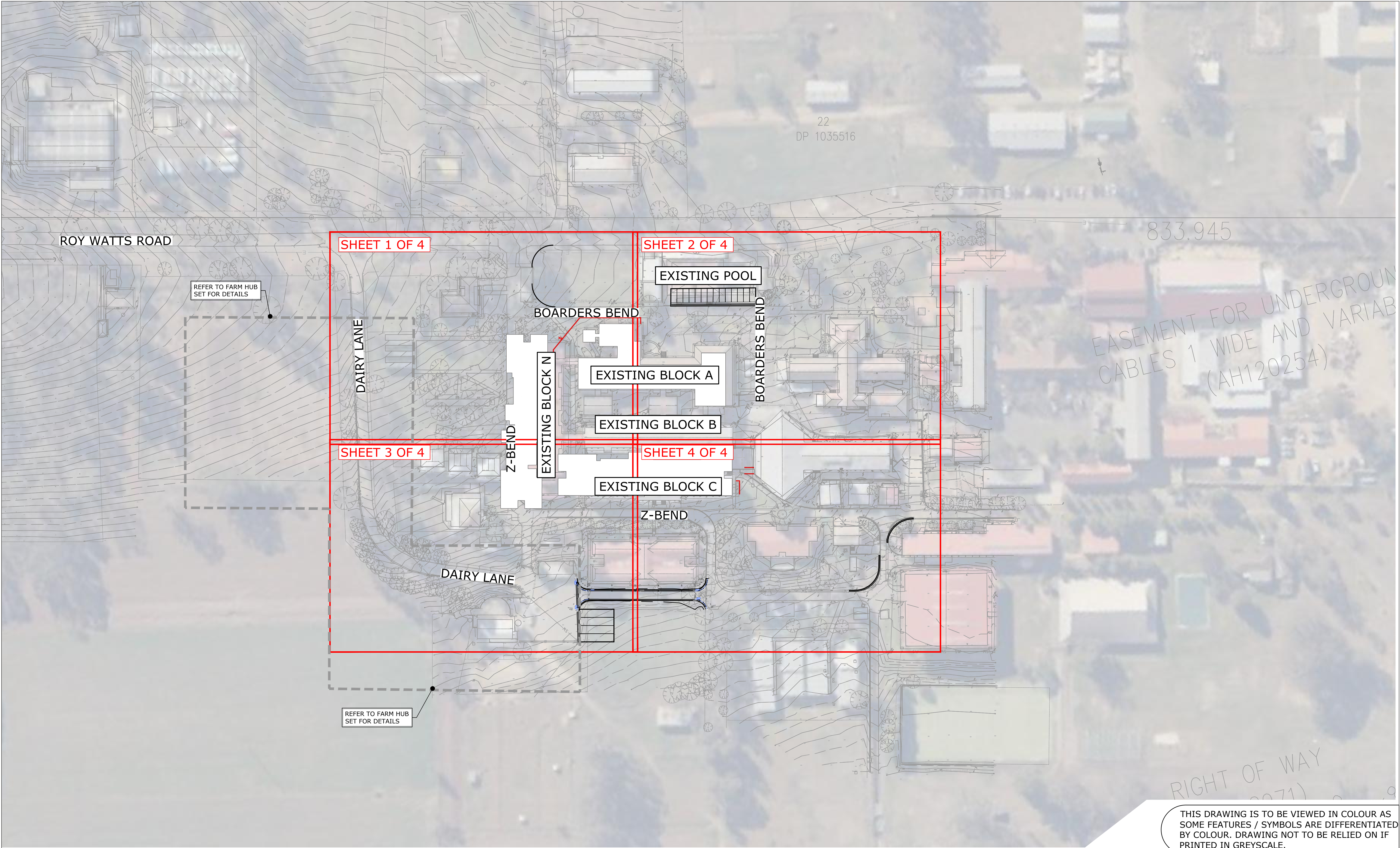
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202061_001-COV.DWG	202061	001	D

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					COORDS: MGA ZONE 56 GDA 2020
					DATUM: ALL LEVELS TO A.H.D.
					SCALE: N.T.S.
D	RE-ISSUED FOR DA	05.07.22	LY	YK	SURVEYED:TSS
C	SCHEMATIC DESIGN ISSUE	17.06.22	LY	YK	SURVEY DATE:10.01.2022
B	ISSUED FOR REVIEW	02.05.22	LY	YK	APPROVED / PROJECT LEADER
A	ISSUED FOR REVIEW	22.04.22	LY	YK	
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.	A. SUTTON

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1:750 (A1); 1:1500 (A3)

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DATUM: ALL LEVELS TO A.H.D.
SCALE: 1:750

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COORDED: TSS
SURVEY DATE: 10.01.2022

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GENERAL ARRANGEMENT PLAN

FILENAME: 202061_005-GEN.DWG

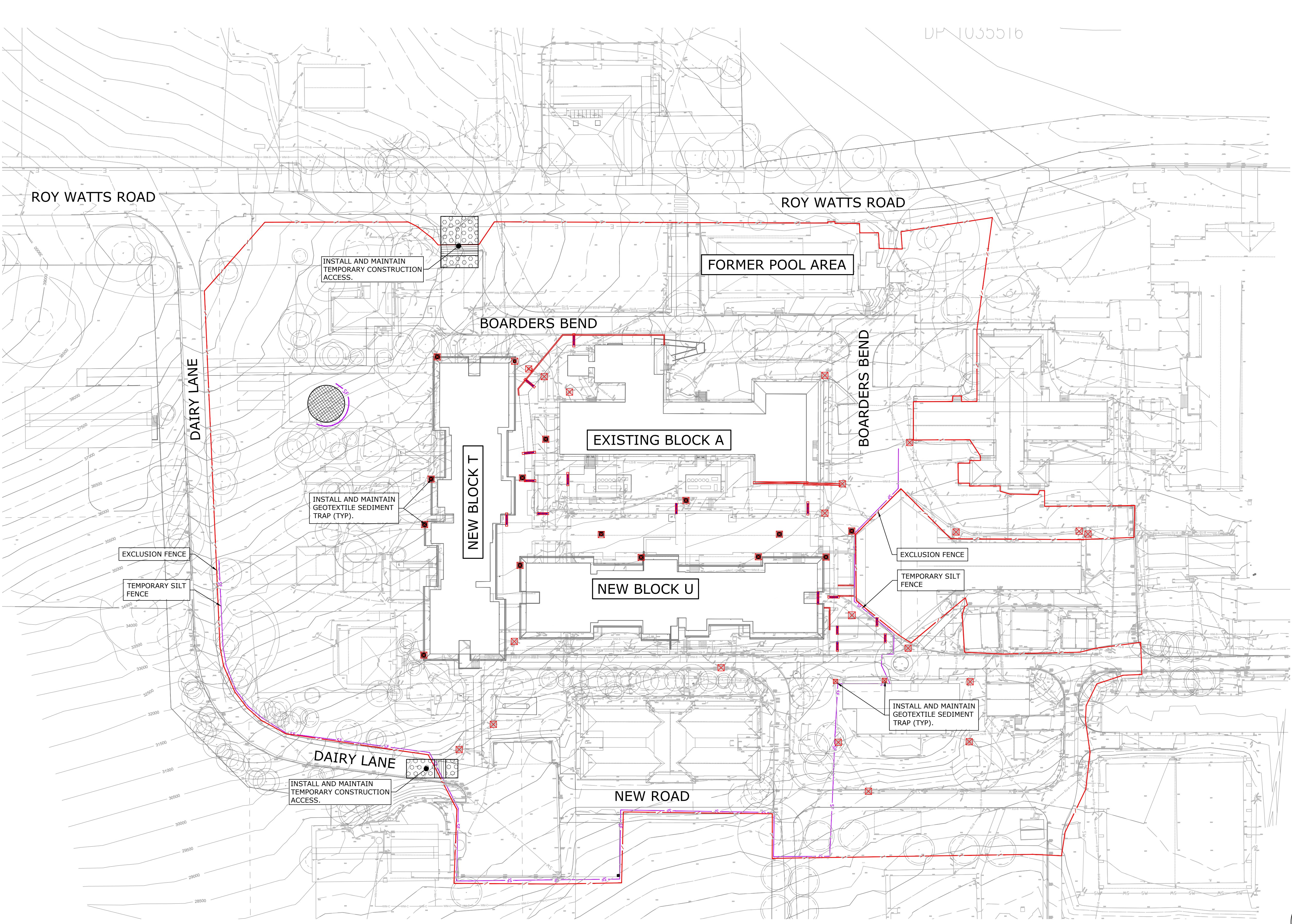
PROJECT NUMBER 202061

DRAWING NUMBER 005

REVISION D

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LEGEND

SITE BOUNDARY

TEMPORARY SILT FENCE FOR SEDIMENT CONTROL

EXCLUSION FENCE

GEOTEXTILE SEDIMENT TRAPS AT EXISTING GRATED INLET PIT

TEMPORARY CONSTRUCTION ACCESS. REFER SHEET 111

INDICATIVE STOCKPILE AREA

- NOTES:
1.

CONNECTION POINT FROM REMOVED DOWN PIPES AND GRATED DRAINS INTO UNDERGROUND NETWORK TO BE CAPPED AT GROUND SURFACE.
2.

CONTRACTOR TO ENSURE THE GROUND SURFACE SLOPES INTO NEAREST GRATED INLET PITS.
3.

REMAINING EXISTING STORMWATER PITS AND PIPE NETWORK TO BE PROTECTED DURING WORKS. ANY DAMAGED SYSTEM SHOULD BE REPLACED OR REINSTATED.
4.

EROSION AND SEDIMENT CONTROL DEVICES TO BE MONITORED AND MAINTAINED WEEKLY OR AFTER MAJOR STORM EVENTS.
5.

CONTRACTOR TO ARRANGE FOR TEMPORARY SECURITY FENCING.

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1:500 (A1); 1:1000 (A3)

100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

SHEET SIZE

A1

COORDS: MGA ZONE 56 GDA 2020

DATUM: ALL LEVELS TO A.H.D.

SCALE: 1:500

SURVEYED:TSS

SURVEY DATE:10.01.2022

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ROY WATTS ROAD, GLENFIELD NSW 2167

EROSION & SEDIMENT CONTROL PLAN

FILENAME:

202061_101-ESC.DWG

PROJECT NUMBER

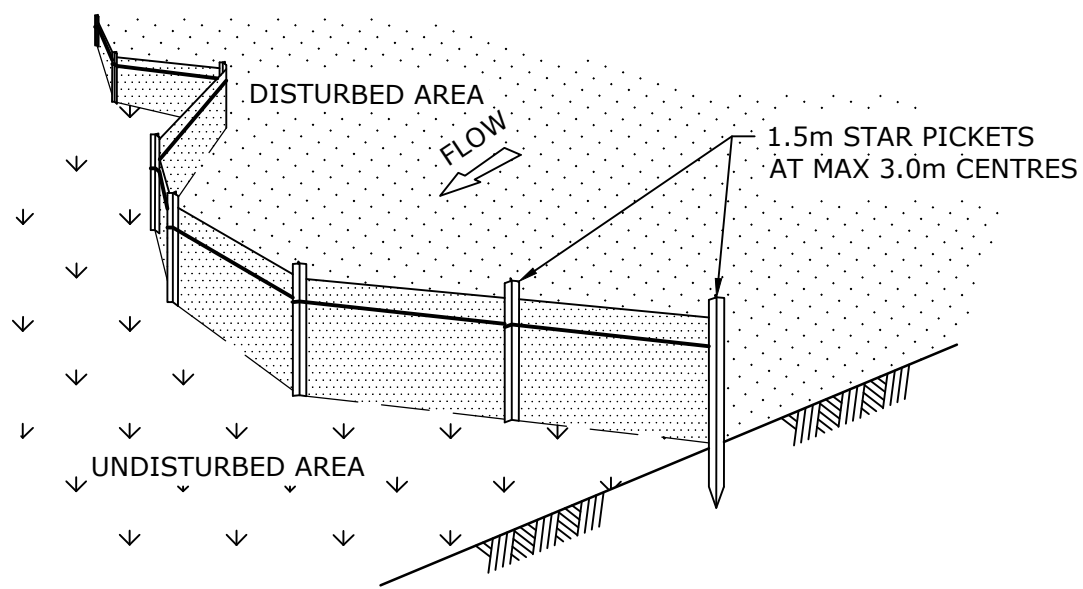
202061

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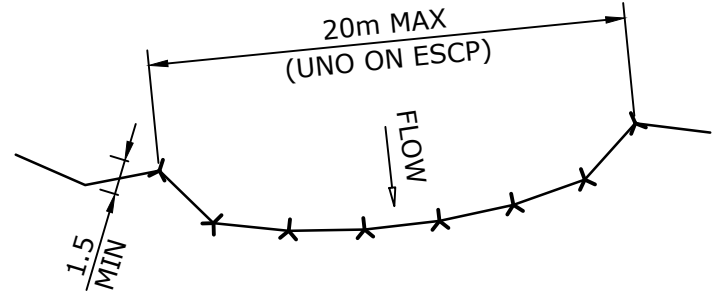
101

REVISION

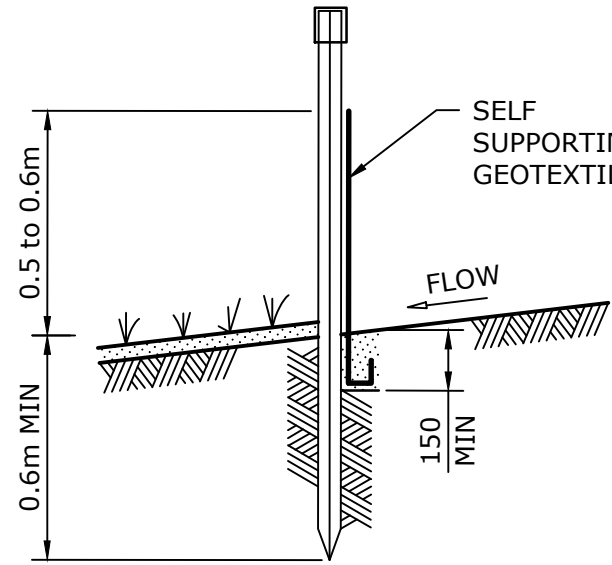
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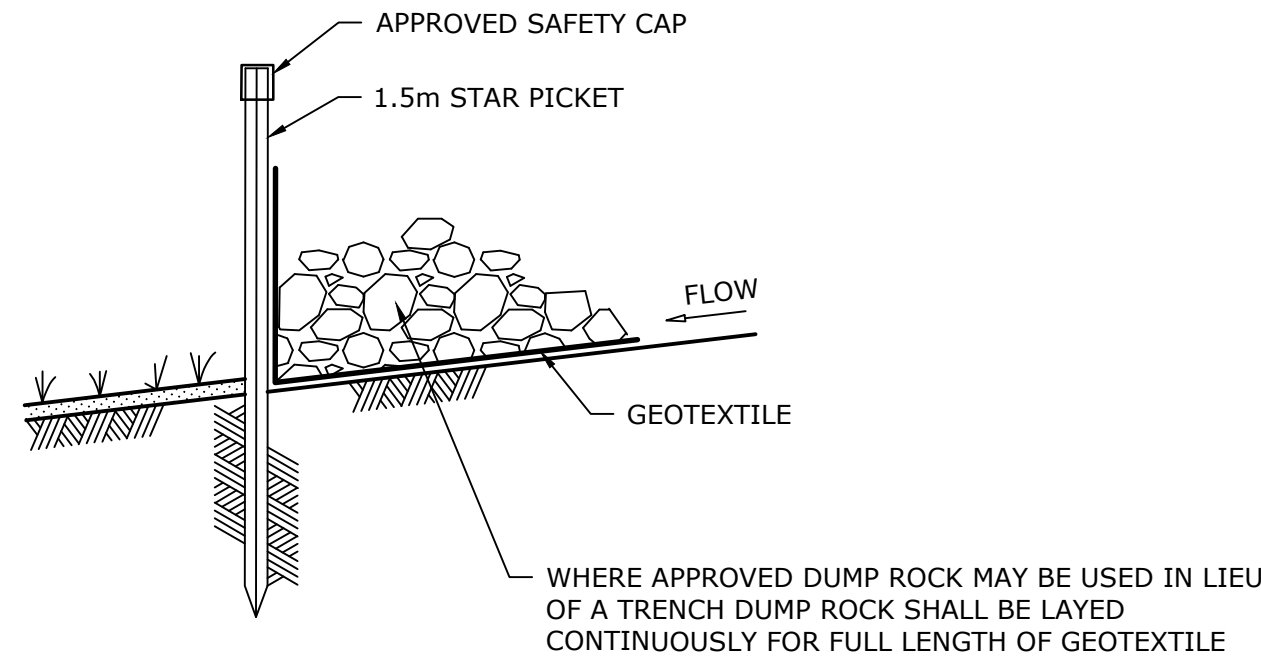
DETAIL - 1



DETAIL - 2



STANDARD FENCE INSTALLATION & ANCHOR DETAIL



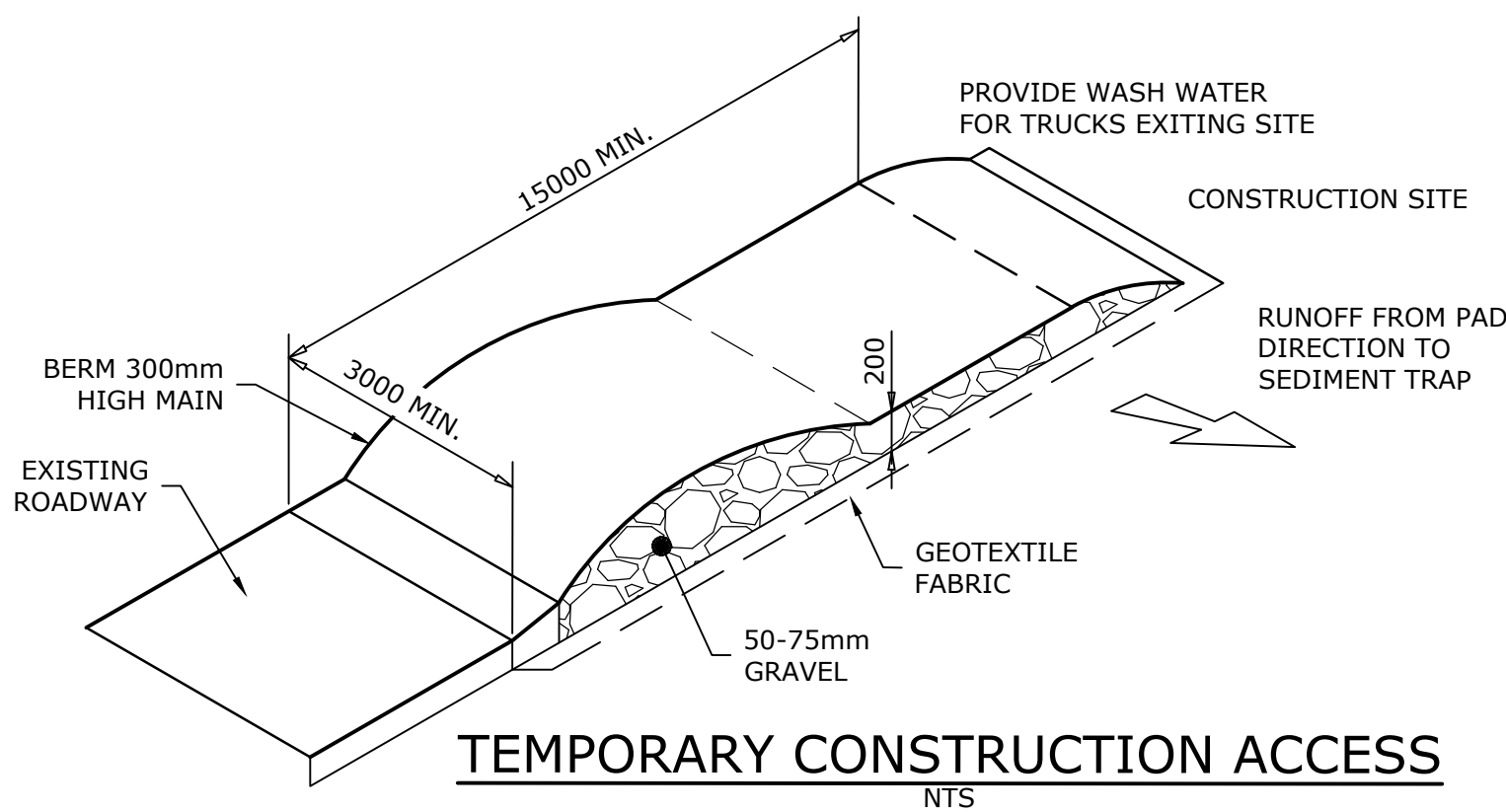
ALTERNATIVE FENCE INSTALLATION AND ANCHOR DETAIL

SEDIMENT FENCE CONSTRUCTION NOTES:

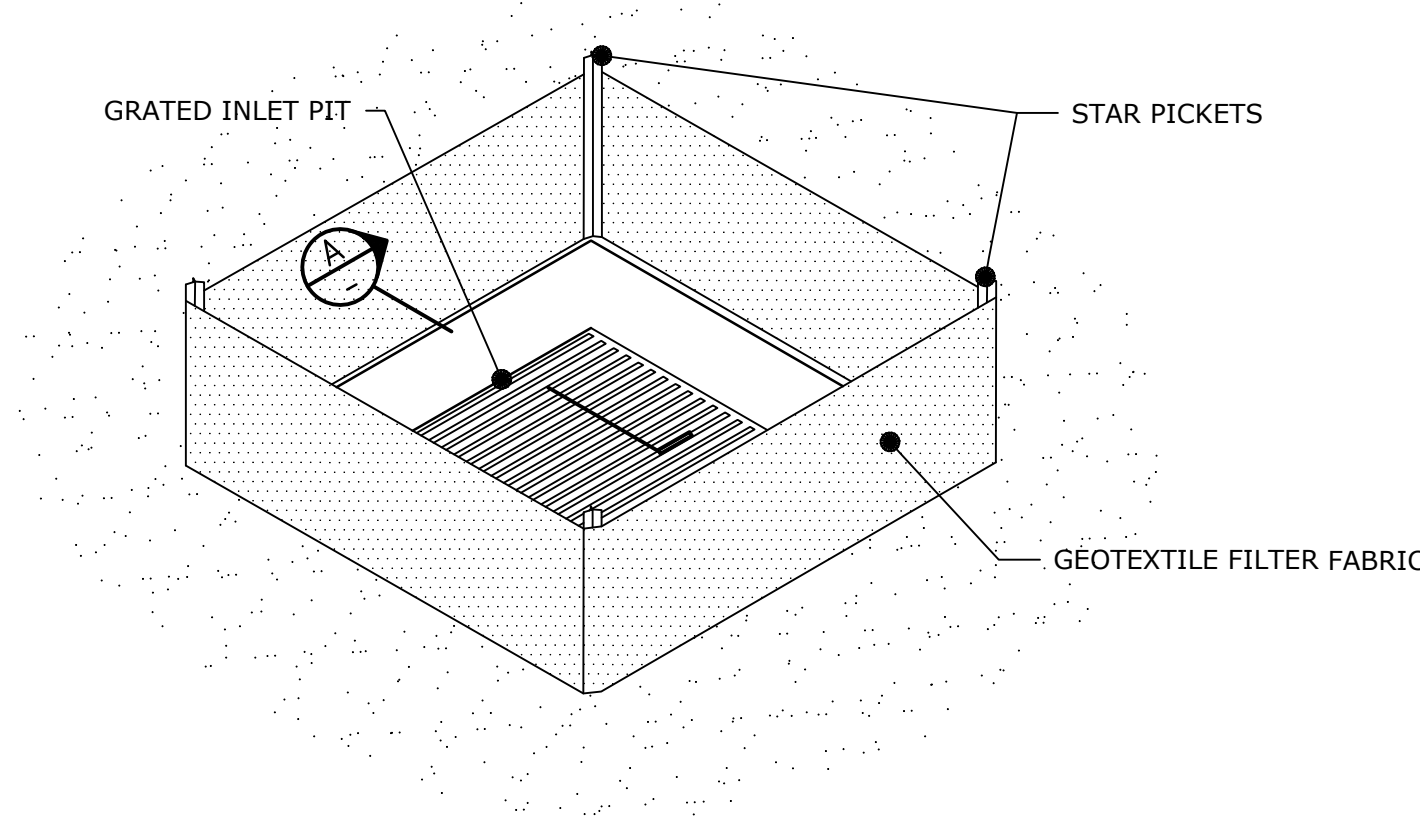
1. CONSTRUCT ALL SEDIMENT CONTROL FENCES ALONG THE CONTOUR WHERE POSSIBLE.
2. WHERE SEDIMENT CONTROL FENCES ARE NOT CONSTRUCTED ALONG THE CONTOUR INCORPORATE RETURN PANELS AT REGULAR INTERVALS NOT EXCEEDING 20m.
3. ALL STAR PICKETS SHALL INCORPORATE APPROVED SAFETY CAPS.
4. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED. BACKFILL TRENCH OVER BASE FABRIC. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BE GEOTEXTILE MANUFACTURER. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
5. WHERE APPROVED BY THE SUPERINTENDENT DUMP ROCK MAY BE USED TO ANCHOR THE GEOTEXTILE IN LIEU OF A TRENCH.

NOTES

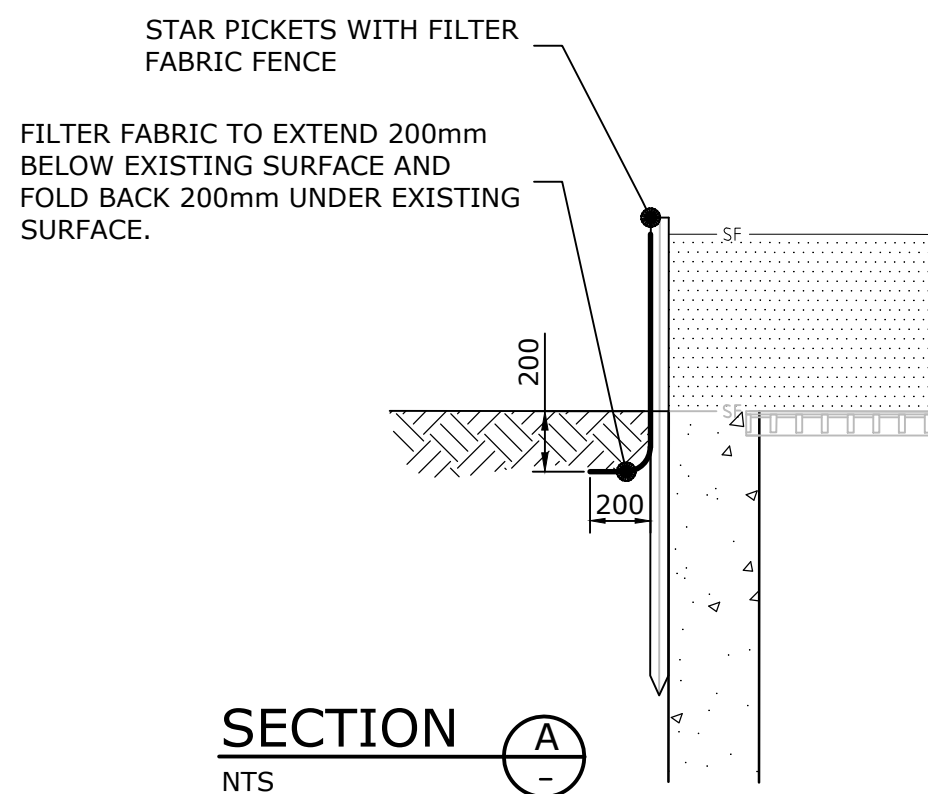
1. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
 - 1.1. LOCAL AUTHORITY REQUIREMENTS,
 - 1.2. EPA - POLLUTION CONTROL MANUAL FOR URBAN STORMWATER, AND
 - 1.3. LANDCOM NSW - MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION (THE "BLUE BOOK").
2. EROSION AND SEDIMENT CONTROL DRAWINGS AND NOTES ARE PROVIDED FOR THE WHOLE OF THE EXTENT OF WORKS. STAGING THESE WORKS MAY REQUIRE THE DESIGN TO BE MODIFIED AND VARIATION TO THESE DETAILS MAY REQUIRE APPROVAL BY RELEVANT AUTHORITIES.
3. ALL EROSION AND SEDIMENT CONTROL DEVICES TO BE MAINTAINED TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. ALL VEHICLES SHALL ONLY ENTER AND EXIT THE SITE VIA THE NOMINATED TEMPORARY CONSTRUCTION ACCESS.
5. ALL EXITING VEHICLES SHALL BE CLEANED AND INSPECTED BEFORE EXITING.
6. ATTEMPT TO BE MADE TO MINIMISE THE AREA OF SITE BEING DISTURBED AT ANY ONE TIME.
7. FOLLOWING CONSTRUCTION OF STORMWATER PITS, PREVENT SITE RUNOFF ENTERING THE PITS UNLESS SILT FENCES ARE ERECTED AROUND PITS.
8. ALL STOCKPILES OF MATERIALS TO BE PROTECTED FROM SCOUR AND EROSION. STOCKPILES OF LOOSE MATERIALS SHOULD BE AVOIDED NEAR ANY DRAINAGE PITS, ROADWAYS AND NEAR IN WATERCOURSES.
9. CONTRACTOR TO ENSURE ALL NOMINATED DEVICES TO BE REINSTALLED FOLLOWING CLOSURE OF WORKING DAY, MODIFIED AS REQUIRED TO SUIT THE BEST SITE CONDITIONS AT THE TIME.
10. WATER FROM UPSTREAM OF THE SITE TO BE CONTROLLED SUCH THAT IT DOES NOT ENTER THE DISTURBED SITE.
11. MAINTAIN ALL STORMWATER PIPES AND PITS CLEAR OF DEBRIS AND SEDIMENT.
12. STORMWATER SYSTEM AND ALL DEVICES TO BE INSPECTED AND CLEANED OUT AS REQUIRED AFTER EACH STORM EVENT.
13. WATER QUALITY TESTING MUST BE UNDERTAKEN BY SUITABLY QUALIFIED ENVIRONMENTAL CONSULTANT PRIOR TO ANY DISCHARGE OF SITE STORMWATER, GROUNDWATER AND SEEPAGE WATER:
 - 13.1. ENVIRONMENTAL CONSULTANT TO OUTLINE PROPOSED AND ONGOING MONITORING MEASURES THAT WILL BE MONITORING THE QUALITY OF WATER DISCHARGED FROM THE SITE. FREQUENCY, VALIDATION, AND ALL CONTINGENCIES TO BE OUTLINED BY CONSULTANT.
 - 13.2. ALL REMEDIAL MEASURES AS NOMINATED BY ENVIRONMENTAL CONSULTANT TO BE APPLIED BY CONTRACTOR.
 - 13.3. TESTING AND REPORTING TO BE IN COMPLIANCE WITH ALL RELATIVE AUSTRALIAN STANDARDS AND GUIDELINES.



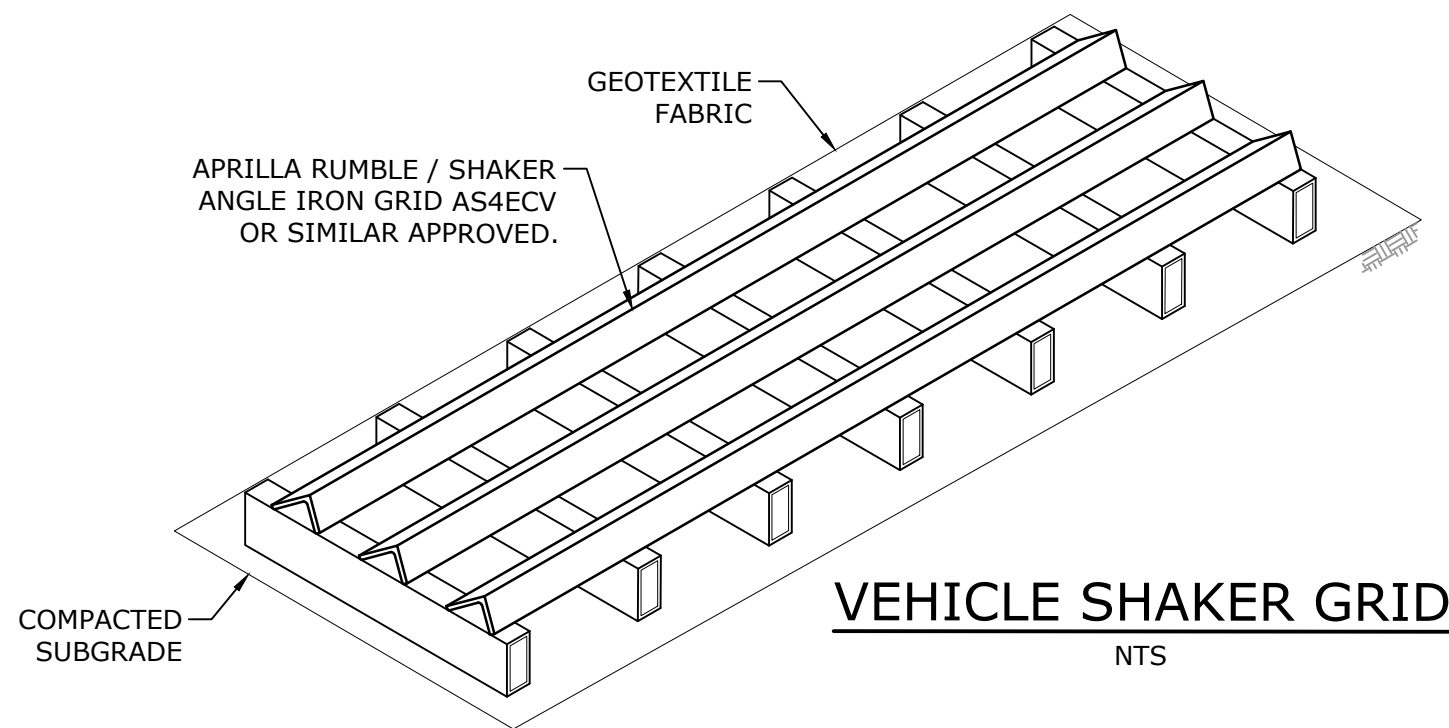
TEMPORARY CONSTRUCTION ACCESS



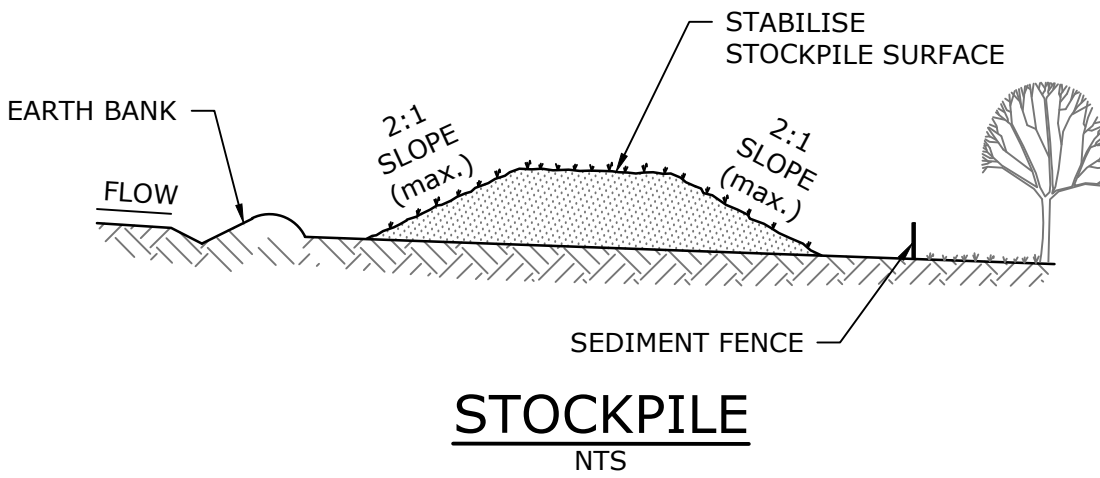
GEOTEXTILE INLET FILTER SEDIMENT TRAP



SECTION A



VEHICLE SHAKER GRID



STOCKPILE

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SCHOOL INFRASTRUCTURE NSW

HURLSTONE AGRICULTURE HIGH SCHOOL
ROY WATTS ROAD, GLENFIELD NSW 2167
EROSION & SEDIMENT CONTROL DETAILS

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_111-ESD.DWG	202061	111	E

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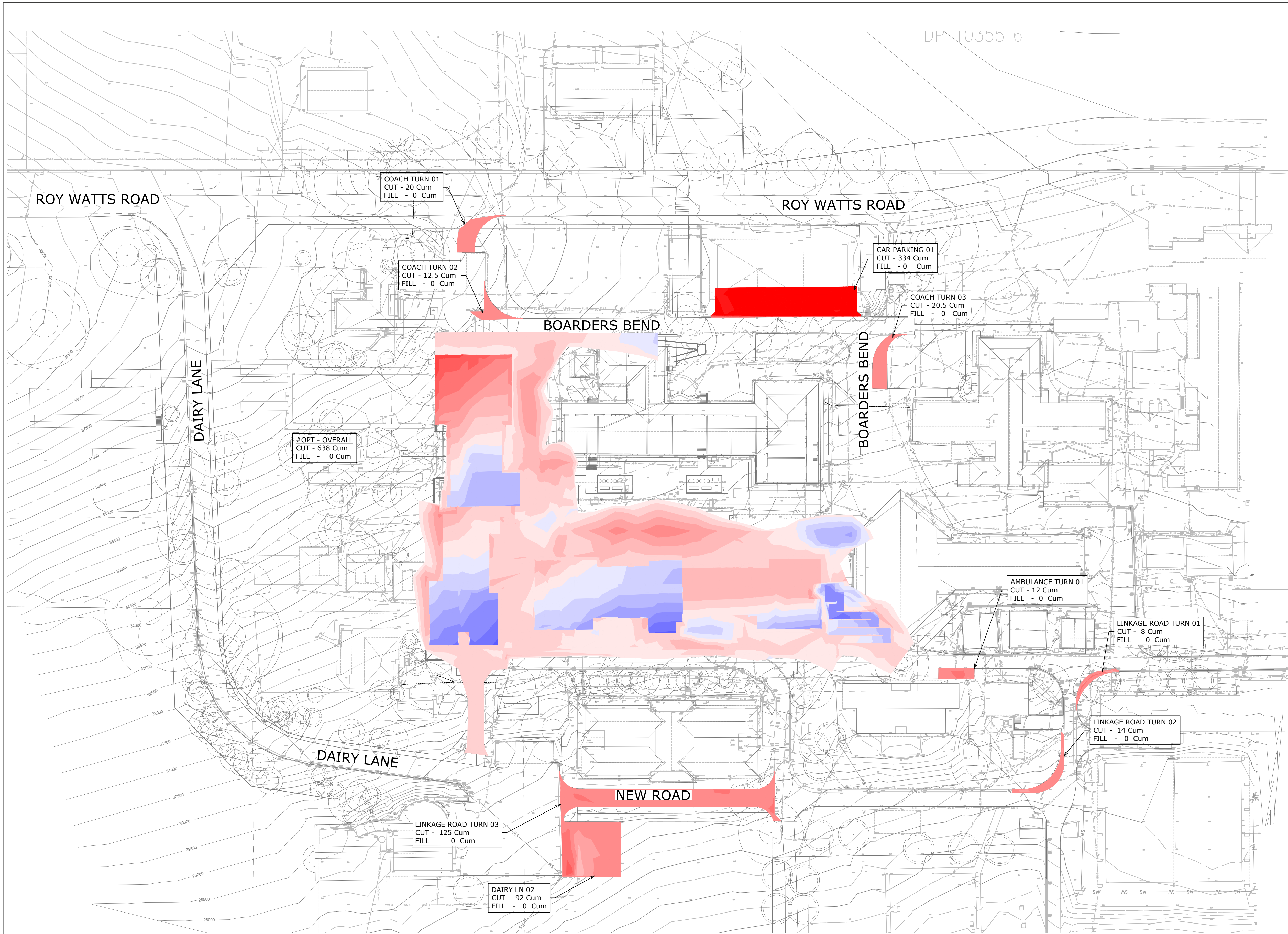
SHEET SIZE

A1

100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

COORDS:	MGA ZONE	56	GDA 2020
DATUM:	ALL LEVELS TO	A.H.D.	
SCALE:	AS SHOWN		
REVISION	DATE	DES.	DWN.
E	RE-ISSUED FOR DA	05.07.22	LY YK
D	SCHEMATIC DESIGN ISSUE	17.06.22	LY YK
C	ISSUED FOR REVIEW	02.05.22	LY YK
B	ISSUED FOR REVIEW	22.04.22	LY YK
A	ISSUED FOR DEMOLITION	11.02.22	LY IR
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES. DWN.

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DEPTH RANGE		CUT	FILL	Colour
Lower_value	Upper_value			
-99	to	-2.5	m	
-2.5	to	-2.25	m	
-2.25	to	-2	m	
-2	to	-1.75	m	
-1.75	to	-1.5	m	
-1.5	to	-1.25	m	
-1.25	to	-1	m	
-1	to	-0.75	m	
-0.75	to	-0.5	m	
-0.5	to	-0.25	m	
-0.25	to	0	m	
0	to	0.25	m	
0.25	to	0.5	m	
0.5	to	0.75	m	
0.75	to	1	m	
1	to	1.25	m	
1.25	to	1.5	m	
1.5	to	1.75	m	
1.75	to	2	m	
2	to	2.25	m	
2.25	to	2.5	m	
2.5	to	99	m	

NOTES

- CUT & FILL VOLUMES:
TOTAL CUT -2056.605 m³
TOTAL FILL 793.798 m³
TOTAL BALANCE -1262.807 m³
THEREFORE, EXCESS OF CUT OVER FILL 1262.807 m³
- VOLUMES HAVE BEEN CALCULATED BETWEEN EXISTING SURFACE AND A NOMINAL BULK EARTHWORKS LEVEL OF PROPOSED SUBGRADE LEVELS
- ASSUMPTION OF PAVEMENT THICKNESS
BUILDING PAD AREA - 375 MM
FOOTPATH AREA - 200+150 = 350 MM
TRAFFICABLE AREA - 300+150 = 450 MM
- AREAS HAVE BEEN CALCULATED IN PLAN.
- THE DESIGN SURFACE DOES NOT ALLOW FOR TOPSOIL STRIPPING.
- VOLUMES DO NOT TAKE INTO ACCOUNT ANY BULKING OR COMPACTION OF ANY SOILS.
- VOLUMES DO NOT TAKE INTO ACCOUNT CONTRACTIBILITY.
- CONTRACTOR TO MAKE AN ALLOWANCE AS REQUIRED TO SUIT MATERIAL AND COMPACTION METHODOLOGY.
- LANDSCAPE IS NOT INCLUDED IN BULK EARTH WORK PLAN.

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100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

SHEET SIZE
A1

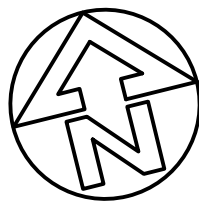
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DATUM: ALL LEVELS TO A.H.D.

SCALE: 1:500

SURVEYED:TSS
SURVEY DATE:10.01.2022

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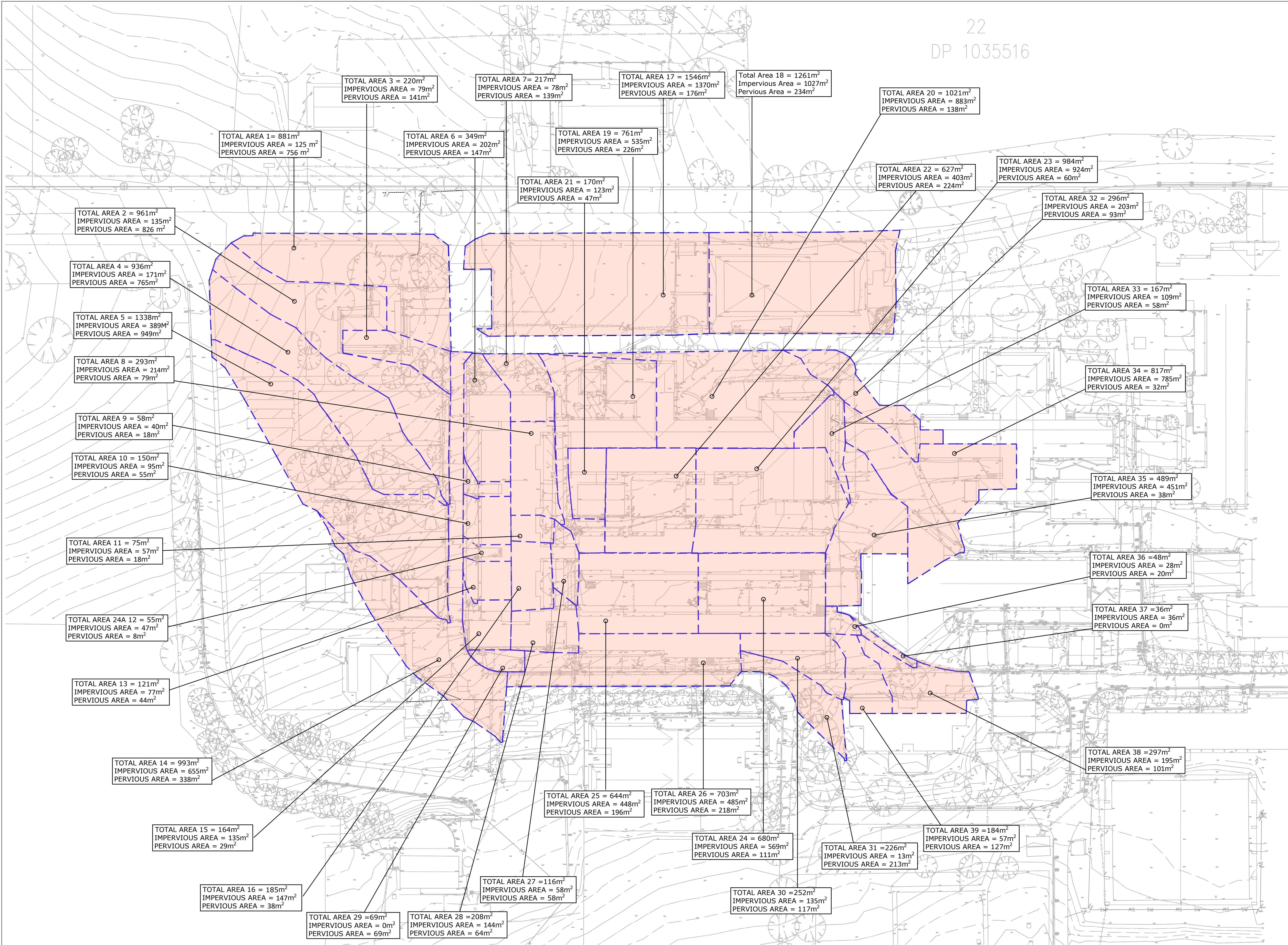
HURLSTONE AGRICULTURE HIGH SCHOOL
ROY WATTS ROAD, GLENFIELD NSW 2167
BULK EARTHWORKS PLAN

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_201-BEW.DWG	202061	201	C

LEGEND



PRE-CATCHMENTS AREAS
TOTAL AREA = 18619m²



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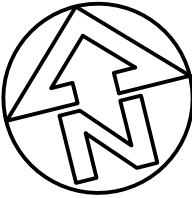
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100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

SHEET SIZE
A1

D	RE-ISSUED FOR DA	05.07.22	LY	YK
C	SCHEMATIC DESIGN ISSUE	17.06.22	LY	YK
B	ISSUED FOR REVIEW	02.05.22	LY	YK
A	ISSUED FOR REVIEW	22.04.22	LY	YK
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.

COORDS: MGA ZONE 56 GD 2020
DATUM: ALL LEVELS TO A.H.D.
SCALE: 1:500
SURVEYED:TSS
SURVEY DATE:10.01.2022
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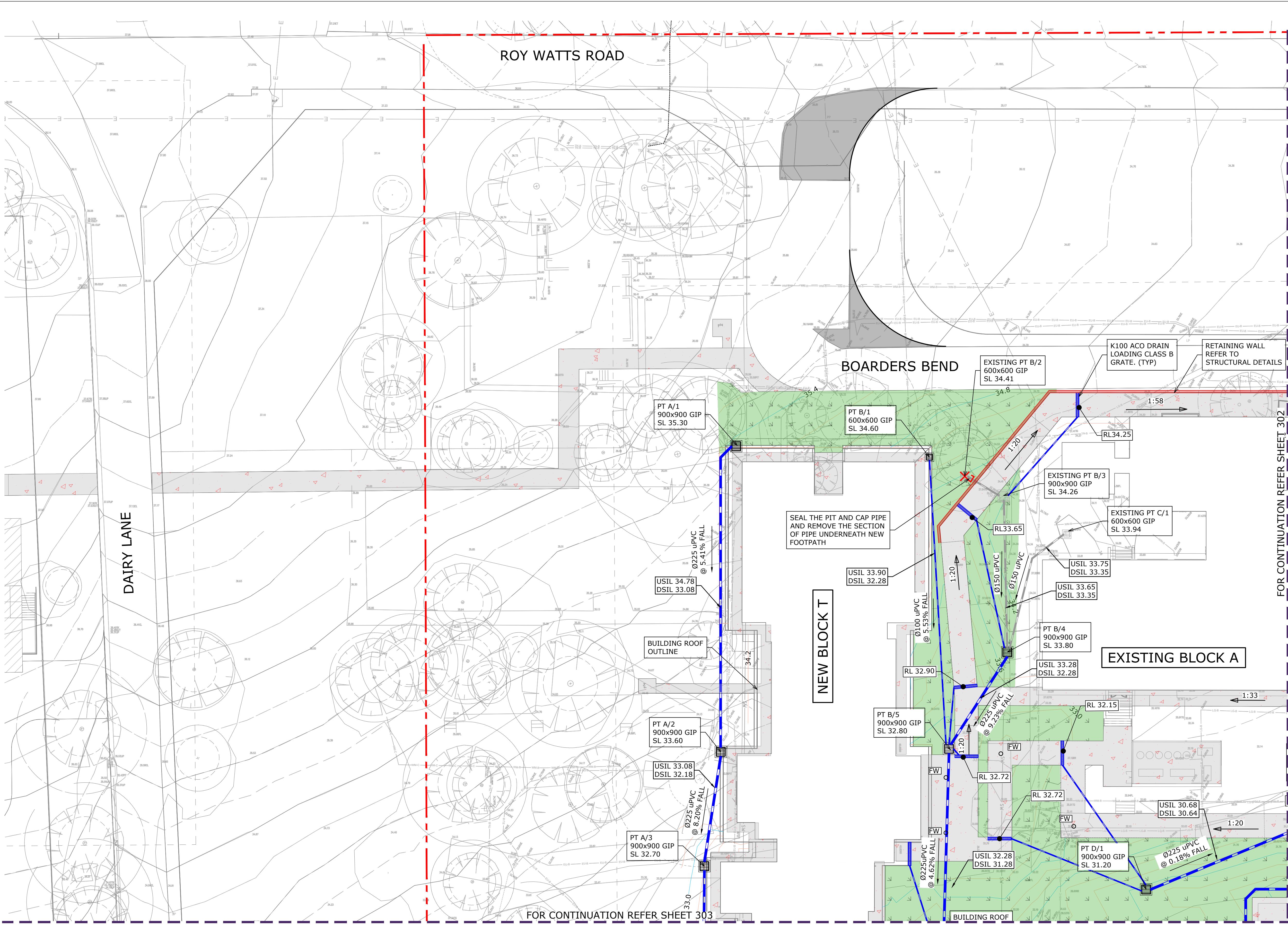
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HURLSTONE AGRICULTURE HIGH SCHOOL
ROY WATTS ROAD, GLENFIELD NSW 2167
CATCHMENT PLAN - SHEET 1 OF 2

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_210-CAT.DWG	202061	210	D



LEGEND

- EXTEND OF WORKS
- PROPOSED PIPE
- RETAINED EXISTING PIPE
- PROPOSED GRATED DRAIN
- EXISTING GRATED DRAIN
- ☒ PROPOSED STORMWATER PIT
- ☒ EXISTING STORMWATER PITS TO REMAIN
- 5.00 MAJOR DESIGN CONTOUR
- 5.10 MINOR DESIGN CONTOUR
- 5.00 MAJOR EXISTING CONTOUR
- 5.10 MINOR EXISTING CONTOUR
- FW FLOOR WASTE

EXISTING UTILITIES LEGEND

- EU-A-B-C-D ELECTRICITY
- ET-A-B-C-D TRANSMISSION
- TN-A-B-C-D TELECOMMUNICATIONS
- OU-A-B-C-D OPTICAL FIBRE
- LG-A-B-C-D LOW PRESSURE GAS
- WM-A-B-C-D WATER MAIN
- SM-A-B-C-D SEWER MAIN
- UP-A-D UNKNOWN SERVICE
- SW EXISTING STORMWATER

- NOTE:**
1. PLAN TO BE READ IN CONJUNCTION WITH PROJECT DESIGN REPORT.
 2. REFER DEMOLITION REF SET_2022 02 11 DEMOLITION ONLY REF FOR DEMOLITION PLAN OF EXISTING STORMWATER PITS AND PIPES. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION PLAN OF STRUCTURES AND EXISTING SITE FEATURES.
 3. CONTRACTOR TO CONFIRM LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AT LATER STAGE. NOTIFY ENGINEER OF ANY DISCREPANCIES OR POTENTIAL CLASHES PRIOR TO COMMENCEMENT OF WORK.
 4. REFER HYDRAULIC ENGINEER PLAN FOR DOWN PIPE DESIGN AND CALCULATION.
 5. ALL NEW PIPES AT DOWNSTREAM OF PITS TO BE 0225 uPVC AT MIN. 1% U.N.O.
 6. PITS WITH DEPTHS TO INVERT IN EXCESS OF 1.2m ARE TO BE PROVIDED WITH STEP IRONS.
 7. PROVIDE SUBSOIL DRAINAGE FOR STRUCTURES AND LANDSCAPE AS REQUIRED. CONNECTED INTO NEARBY PITS AND PIPES.
 8. THE EXACT LOCATION OF EXISTING DRAINAGE PIPES TO BE CONFIRMED ON SITE.

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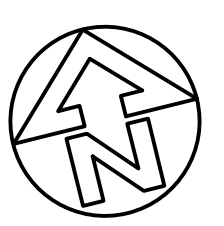
SHEET SIZE
A1

COORDS: MGA ZONE 56 GDA 2020
DATUM: ALL LEVELS TO A.H.D.
SCALE: 1:200

RE-ISSUED FOR DA 05.07.22 LY YK
SCHEMATIC DESIGN ISSUE 17.06.22 LY YK
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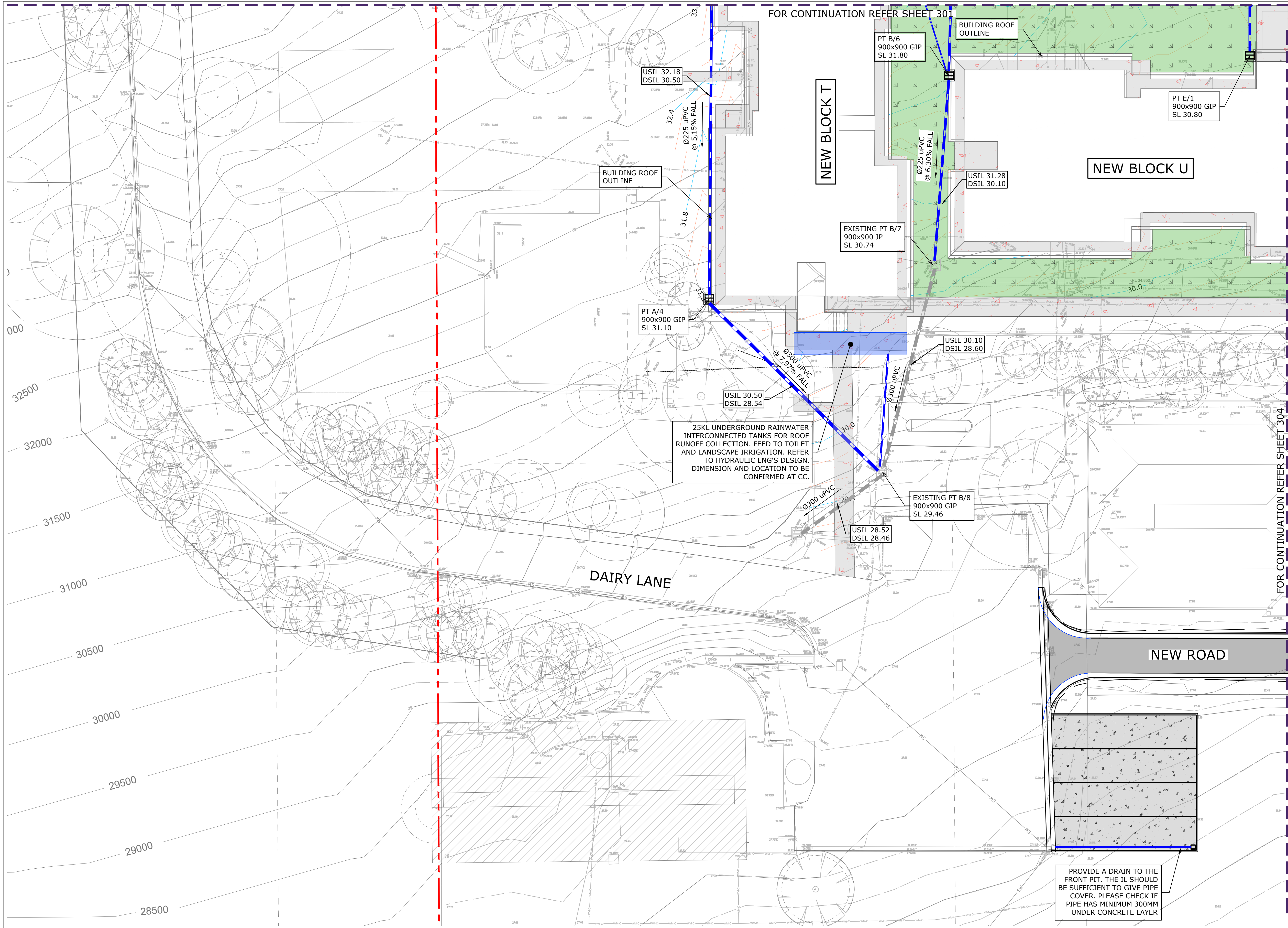
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HURLSTONE AGRICULTURE HIGH SCHOOL
ROY WATTS ROAD, GLENFIELD NSW 2167
STORMWATER MANAGEMENT PLAN - SHEET 1 OF 4

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FILENAME: 202061_301-SWP.DWG PROJECT NUMBER 202061 DRAWING NUMBER 301 REVISION D

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LEGEND

- EXTEND OF WORKS
- PROPOSED PIPE
- RETAINED EXISTING PIPE
- PROPOSED GRATED DRAIN
- EXISTING GRATED DRAIN
- PROPOSED STORMWATER PIT
- EXISTING STORMWATER PITS TO REMAIN
- 5.00 MAJOR DESIGN CONTOUR
- 5.10 MINOR DESIGN CONTOUR
- 5.00 MAJOR EXISTING CONTOUR
- 5.10 MINOR EXISTING CONTOUR
- FW FLOOR WASTE

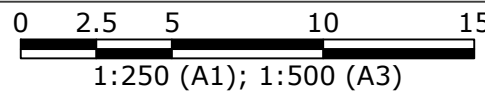
EXISTING UTILITIES LEGEND

- X— EU-A-B-C-D ELECTRICITY
- X— ET-A-B-C-D TRANSMISSION
- X— TN-A-B-C-D TELECOMMUNICATIONS
- X— OU-A-B-C-D OPTICAL FIBRE
- X— LG-A-B-C-D LOW PRESSURE GAS
- X— WM-A-B-C-D WATER MAIN
- X— SM-A-B-C-D SEWER MAIN
- X— UP-A-D UNKNOWN SERVICE
- SW — EXISTING STORMWATER

NOTE:

- PLAN TO BE READ IN CONJUNCTION WITH PROJECT DESIGN REPORT.
- REFER DEMOLITION REF SET_2022 02 11 DEMOLITION ONLY REF FOR DEMOLITION PLAN OF EXISTING STORMWATER PITS AND PIPES. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION PLAN OF STRUCTURES AND EXISTING SITE FEATURES.
- CONTRACTOR TO CONFIRM LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AT LATER STAGE. NOTIFY ENGINEER OF ANY DISCREPANCIES OR POTENTIAL CLASHES PRIOR TO COMMENCEMENT OF WORK.
- REFER HYDRAULIC ENGINEER PLAN FOR DOWN PIPE DESIGN AND CALCULATION.
- ALL NEW PIPES AT DOWNSTREAM OF PITS TO BE Ø225 uPVC AT MIN. 1% U.N.O.
- PITS WITH DEPTHS TO INVERT IN EXCESS OF 1.2m ARE TO BE PROVIDED WITH STEP IRONS.
- PROVIDE SUBSOIL DRAINAGE FOR STRUCTURES AND LANDSCAPE AS REQUIRED. CONNECTED INTO NEARBY PITS AND PIPES.
- THE EXACT LOCATION OF EXISTING DRAINAGE PIPES TO BE CONFIRMED ON SITE.

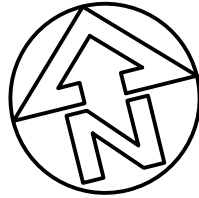
THIS DRAWING IS TO BE VIEWED IN COLOUR AS SOME FEATURES / SYMBOLS ARE DIFFERENTIATED BY COLOUR. DRAWING NOT TO BE RELIED ON IF PRINTED IN GREYSCALE.



SHEET SIZE
A1

100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

					COORDS: MGA ZONE 56 GDA 2020
					DATUM: ALL LEVELS TO A.H.D.
					SCALE: 1:200
D	RE-ISSUED FOR DA	05.07.22	LY	YK	SURVEYED:TSS
C	SCHEMATIC DESIGN ISSUE	17.06.22	LY	YK	SURVEY DATE:10.01.2022
B	ISSUED FOR REVIEW	02.05.22	LY	YK	APPROVED / PROJECT LEADER
A	ISSUED FOR REVIEW	22.04.22	LY	YK	
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.	A. SUTTON



PUBLIC UTILITIES:

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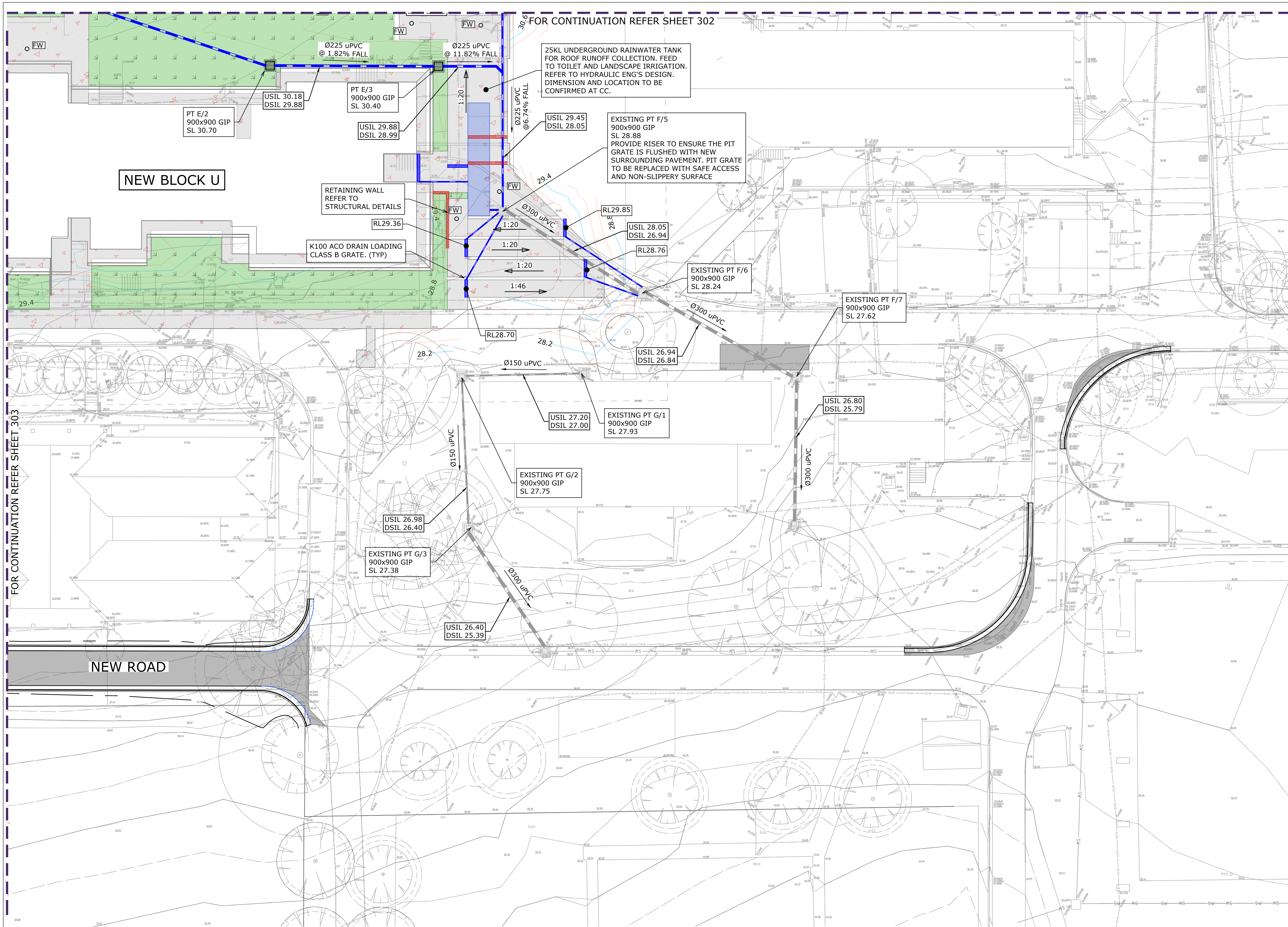
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NOT FOR CONSTRUCTION

SCHOOL INFRASTRUCTURE NSW

HURLSTONE AGRICULTURE HIGH SCHOOL
ROY WATTS ROAD, GLENFIELD NSW 2167
STORMWATER MANAGEMENT PLAN - SHEET 3 OF 4

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_301-SWP.DWG	202061	303	D



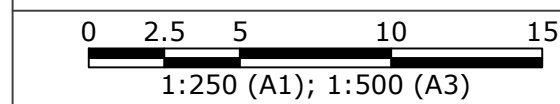
LEGEND

- EXTEND OF WORKS
- PROPOSED PIPE
- RETAINED EXISTING PIPE
- PROPOSED GRATED DRAIN
- EXISTING GRATED DRAIN
- ☒ PROPOSED STORMWATER PIT
- ☒ EXISTING STORMWATER PITS TO REMAIN
- 5.00 MAJOR DESIGN CONTOUR
- 5.10 MINOR DESIGN CONTOUR
- 5.00 MAJOR EXISTING CONTOUR
- 5.10 MINOR EXISTING CONTOUR
- FW FLOOR WASTE

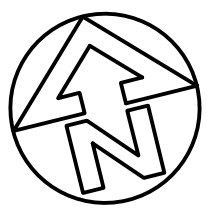
EXISTING UTILITIES LEGEND

- EU-A-B-C-D ELECTRICITY
- ET-A-B-C-D TRANSMISSION
- TN-A-B-C-D TELECOMMUNICATIONS
- OU-A-B-C-D OPTICAL FIBRE
- LG-A-B-C-D LOW PRESSURE GAS
- WM-A-B-C-D WATER MAIN
- SM-A-B-C-D SEWER MAIN
- UP-A-D UNKNOWN SERVICE
- SW EXISTING STORMWATER

- NOTE:**
- PLAN TO BE READ IN CONJUNCTION WITH PROJECT DESIGN REPORT.
 - REFER DEMOLITION REF SET_2022 02 11 DEMOLITION ONLY REF FOR DEMOLITION PLAN OF EXISTING STORMWATER PITS AND PIPES. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION PLAN OF STRUCTURES AND EXISTING SITE FEATURES.
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 - PROVIDE SUBSOIL DRAINAGE FOR STRUCTURES AND LANDSCAPE AS REQUIRED. CONNECTED INTO NEARBY PITS AND PIPES.
 - THE EXACT LOCATION OF EXISTING DRAINAGE PIPES TO BE CONFIRMED ON SITE.



REVISIONS				COORDS: MGA ZONE 56 GDA 2020 DATUM: ALL LEVELS TO A.H.D. SCALE: 1:200			
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.	SURVEYED:TSS SURVEY DATE:10.01.2022		
D	RE-ISSUED FOR DA	05.07.22	LY	YK	APPROVED / PROJECT LEADER		
C	SCHEMATIC DESIGN ISSUE	17.06.22	LY	YK	A. SUTTON		
B	ISSUED FOR REVIEW	02.05.22	LY	YK			
A	ISSUED FOR REVIEW	22.04.22	LY	YK			



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NOT FOR CONSTRUCTION

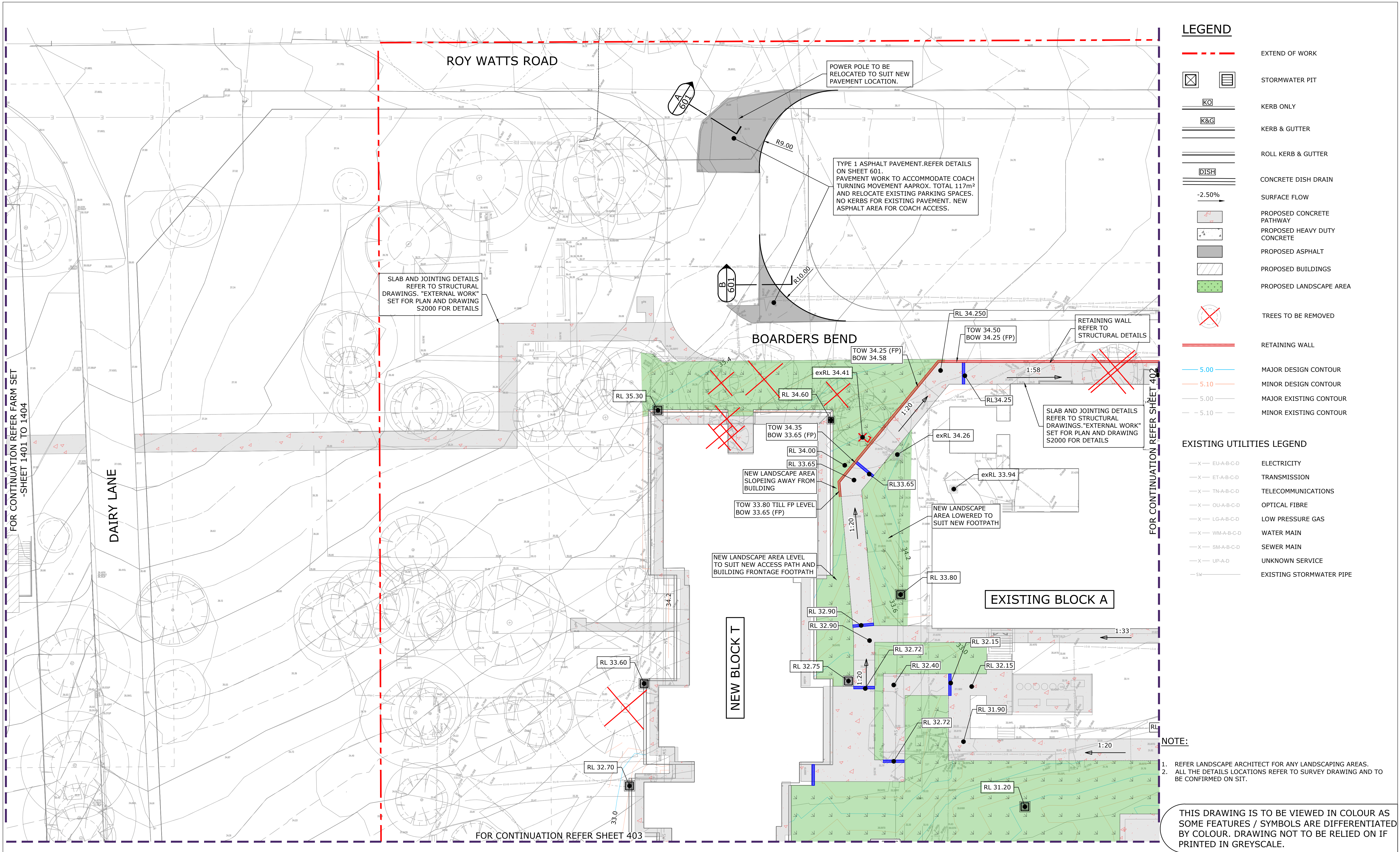
SCHOOL INFRASTRUCTURE NSW

HURLSTONE AGRICULTURE HIGH SCHOOL

ROY WATTS ROAD, GLENFIELD NSW 2167

STORMWATER MANAGEMENT PLAN - SHEET 4 OF 4

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_301-SWP.DWG	202061	304	D



02.05.22

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ISSUED FOR REVIEW

22.04.22

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ISSUED FOR REVIEW

11.02.22

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ISSUED FOR DEMOLITION

05.07.22

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RE-ISSUED FOR DA

17.06.22

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YK

SCHEMATIC DESIGN ISSUE

02.05.22

LY

YK

ISSUED FOR REVIEW

100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

1:250 (A1); 1:500 (A3)

0 2.5 5 10 15

COORDS: MGA ZONE 56 GDA 2020
DATUM: ALL LEVELS TO A.H.D.

SCALE: 1:200

SURVEYED:TSS
SURVEY DATE:10.01.2022

APPROVED / PROJECT LEADER

A. SUTTON

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TONKIN CONSULTING

FOR CONTINUATION REFER SHEET 401

FOR CONTINUATION REFER SHEET 402

FOR CONTINUATION REFER SHEET 403

LEGEND

EXTEND OF WORK

STORMWATER PIT

KO

KERB ONLY

K&G

KERB & GUTTER

ROLL

ROLL KERB & GUTTER

DISH

CONCRETE DISH DRAIN

-2.50%

SURFACE FLOW

PROPOSED CONCRETE PATHWAY

PROPOSED HEAVY DUTY CONCRETE

PROPOSED ASPHALT

PROPOSED BUILDINGS

PROPOSED LANDSCAPE AREA

TREES TO BE REMOVED

RETAINING WALL

5.00

MAJOR DESIGN CONTOUR

5.10

MINOR DESIGN CONTOUR

5.00

MAJOR EXISTING CONTOUR

5.10

MINOR EXISTING CONTOUR

EXISTING UTILITIES LEGEND

EU-A-B-C-D

ELECTRICITY

ET-A-B-C-D

TRANSMISSION

TN-A-B-C-D

TELECOMMUNICATIONS

OU-A-B-C-D

OPTICAL FIBRE

LG-A-B-C-D

LOW PRESSURE GAS

WM-A-B-C-D

WATER MAIN

SM-A-B-C-D

SEWER MAIN

UP-A-D

UNKNOWN SERVICE

SW

EXISTING STORMWATER PIPE

NOTE:

1. REFER LANDSCAPE ARCHITECT FOR ANY LANDSCAPING AREAS.

2. ALL THE DETAILS LOCATIONS REFER TO SURVEY DRAWING AND TO BE CONFIRMED ON SIT.

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SCHOOL INFRASTRUCTURE NSW

HURLSTONE AGRICULTURE HIGH SCHOOL

ROY WATTS ROAD, GLENFIELD NSW 2167

SITWORK PLAN - SHEET 1 OF 4

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FILENAME:

202061_401-STW.DWG

PROJECT NUMBER

202061

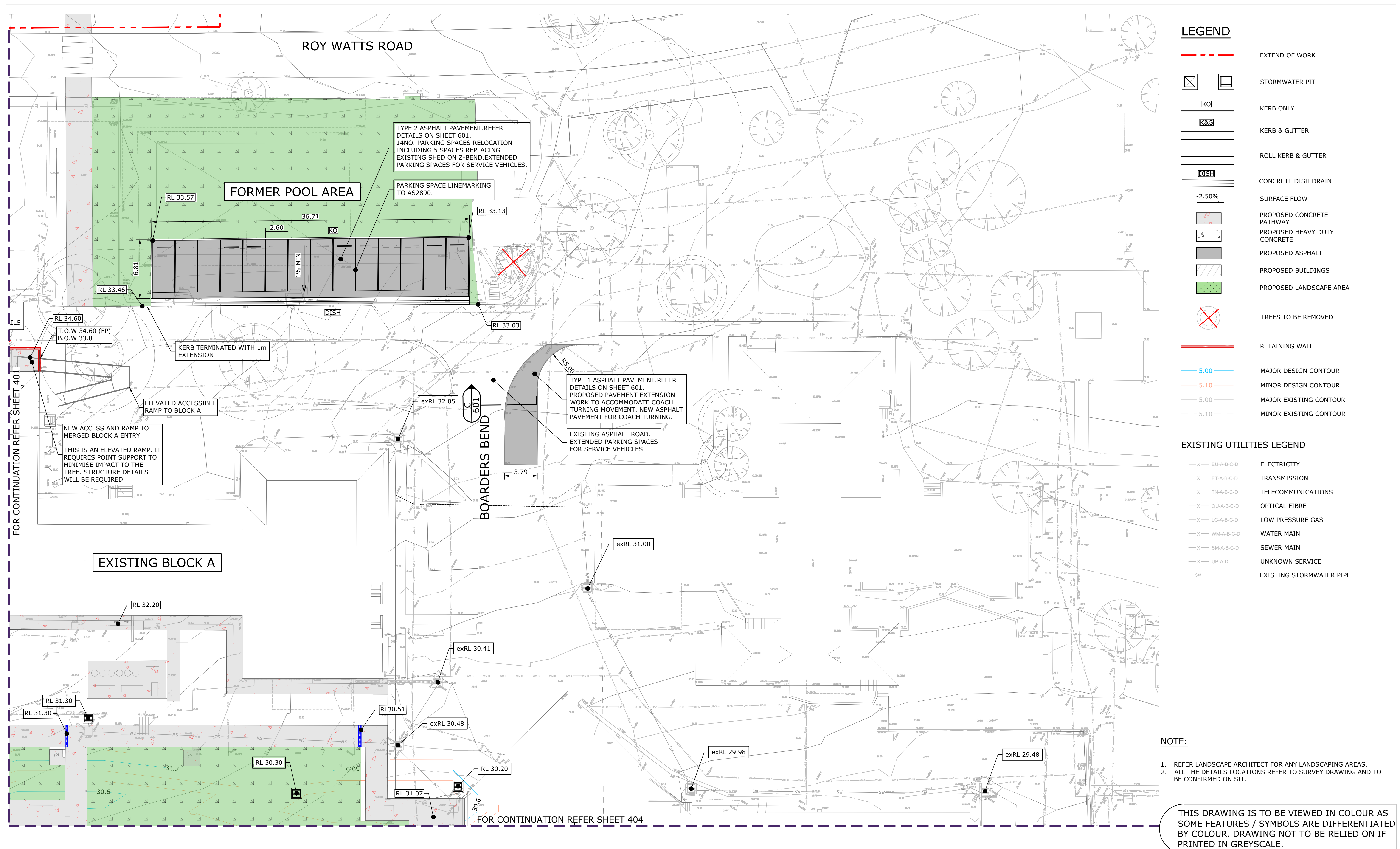
DRAWING NUMBER



401

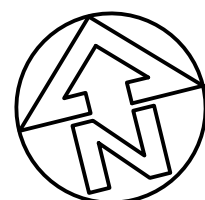
REVISION

E

\\INTERNAL.TONKIN.COM.AU\TONDATA\PROJECTS\2020\202061 HURLSTONE AGRICULTURAL HIGH\4_WORKING\1 CAD\01 DOME AREA\01 DWG\202061_401-STW.DWG -401-STW- (05-07-22 12:29:18PM)



				SHEET SIZE			
				A1			
							
						COORDS: MGA ZONE 56 GDA 2020	
						DATUM: ALL LEVELS TO A.H.D.	
						SCALE: 1:200	
E	RE-ISSUED FOR DA		05.07.22	LY	YK	SURVEYED: TSS SURVEY DATE: 10.01.2022	
D	SCHEMATIC DESIGN ISSUE		17.06.22	LY	YK		
C	ISSUED FOR REVIEW		02.05.22	LY	YK		
B	ISSUED FOR REVIEW		22.04.22	LY	YK		
A	ISSUED FOR DEMOLITION		11.02.22	LY	IR	APPROVED / PROJECT LEADER	
REV	AMENDMENT / REASON FOR ISSUE		DATE	DES.	DWN.	A. SUTTON	



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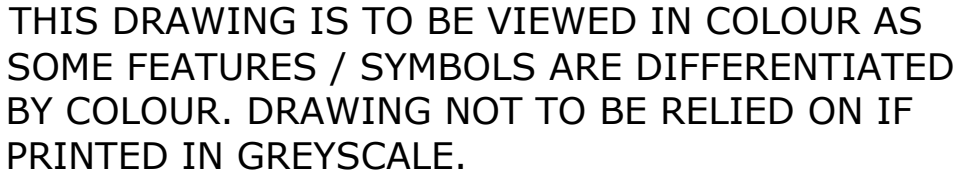


NOT FOR CONSTRUCTION

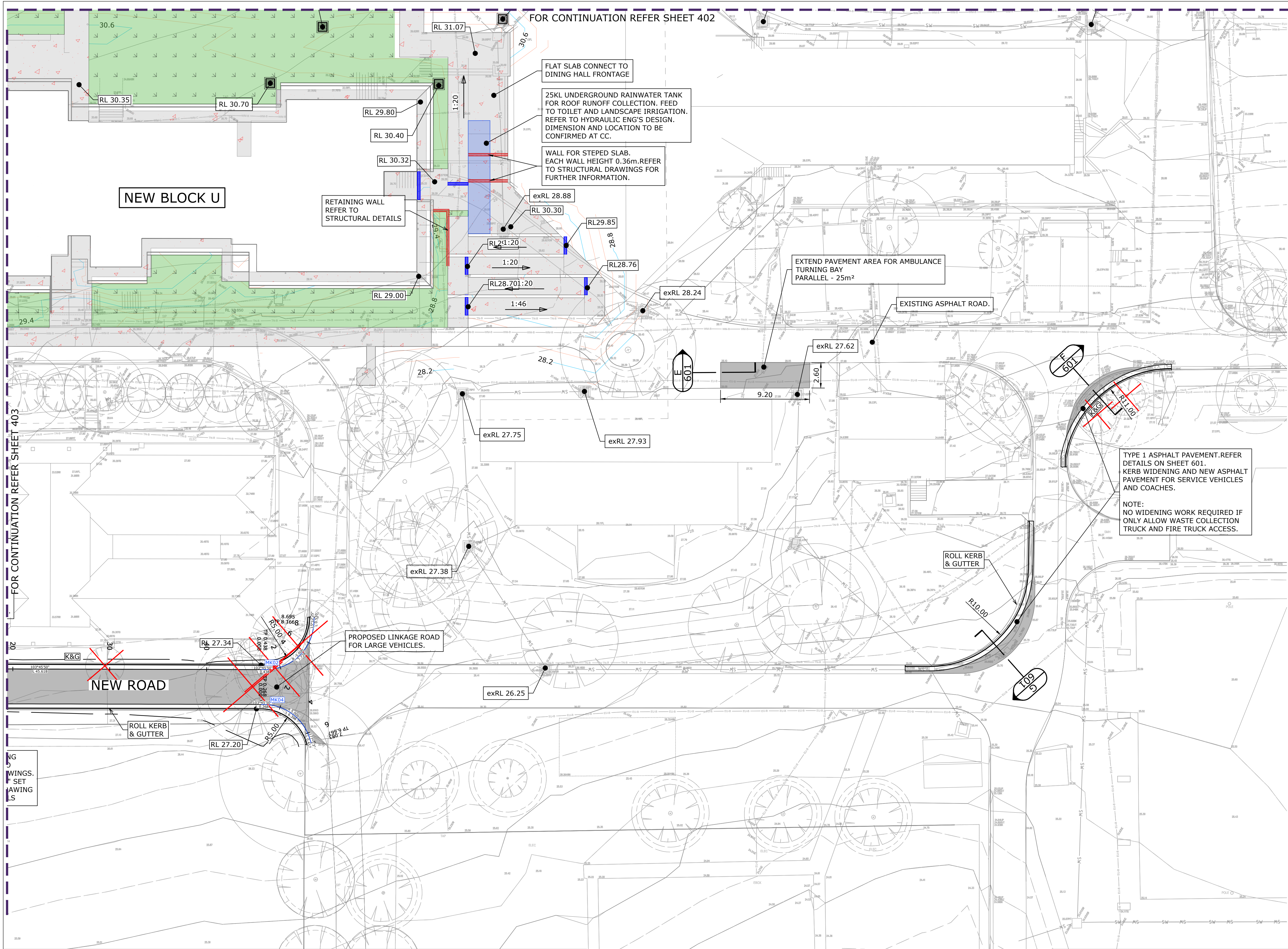
SCHOOL INFRASTRUCTURE NSW

HURLSTONE AGRICULTURE HIGH SCHOOL
ROY WATTS ROAD, GLENFIELD NSW 2167
SITework PLAN - SHEET 2 OF 4

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_401-STW.DWG	202061	402	E



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LEGEND

- EXTEND OF WORK
- [Symbol] STORMWATER PIT
- [Symbol] KERB ONLY
- [Symbol] KERB & GUTTER
- [Symbol] ROLL KERB & GUTTER
- [Symbol] CONCRETE DISH DRAIN
- 2.50% SURFACE FLOW
- [Symbol] PROPOSED CONCRETE PATHWAY
- [Symbol] PROPOSED HEAVY DUTY CONCRETE
- [Symbol] PROPOSED ASPHALT
- [Symbol] PROPOSED BUILDINGS
- [Symbol] PROPOSED LANDSCAPE AREA
- [Symbol] TREES TO BE REMOVED
- RETAINING WALL
- 5.00 MAJOR DESIGN CONTOUR
- 5.10 MINOR DESIGN CONTOUR
- 5.00 MAJOR EXISTING CONTOUR
- 5.10 MINOR EXISTING CONTOUR

EXISTING UTILITIES LEGEND

- X— EU-A-B-C-D ELECTRICITY
- X— ET-A-B-C-D TRANSMISSION
- X— TN-A-B-C-D TELECOMMUNICATIONS
- X— OU-A-B-C-D OPTICAL FIBRE
- X— LG-A-B-C-D LOW PRESSURE GAS
- X— WM-A-B-C-D WATER MAIN
- X— SM-A-B-C-D SEWER MAIN
- X— UP-A-D UNKNOWN SERVICE
- SW— EXISTING STORMWATER PIPE

NOTE:

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- ALL THE DETAILS LOCATIONS REFER TO SURVEY DRAWING AND TO BE CONFIRMED ON SIT.

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NOT FOR CONSTRUCTION

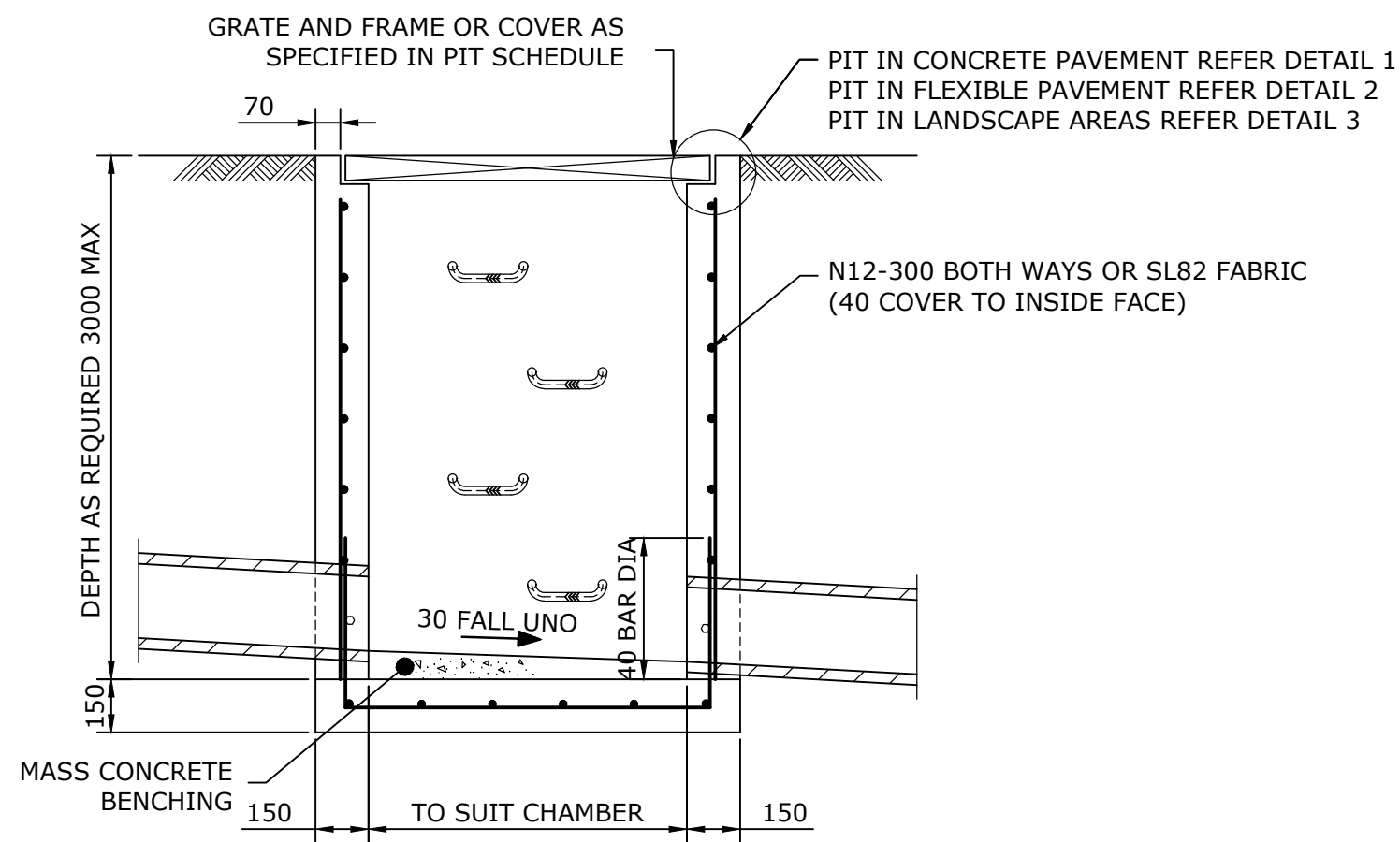
SCHOOL INFRASTRUCTURE NSW
HURLSTONE AGRICULTURE HIGH SCHOOL
ROY WATTS ROAD, GLENFIELD NSW 2167
SITWORK PLAN - SHEET 4 OF 4



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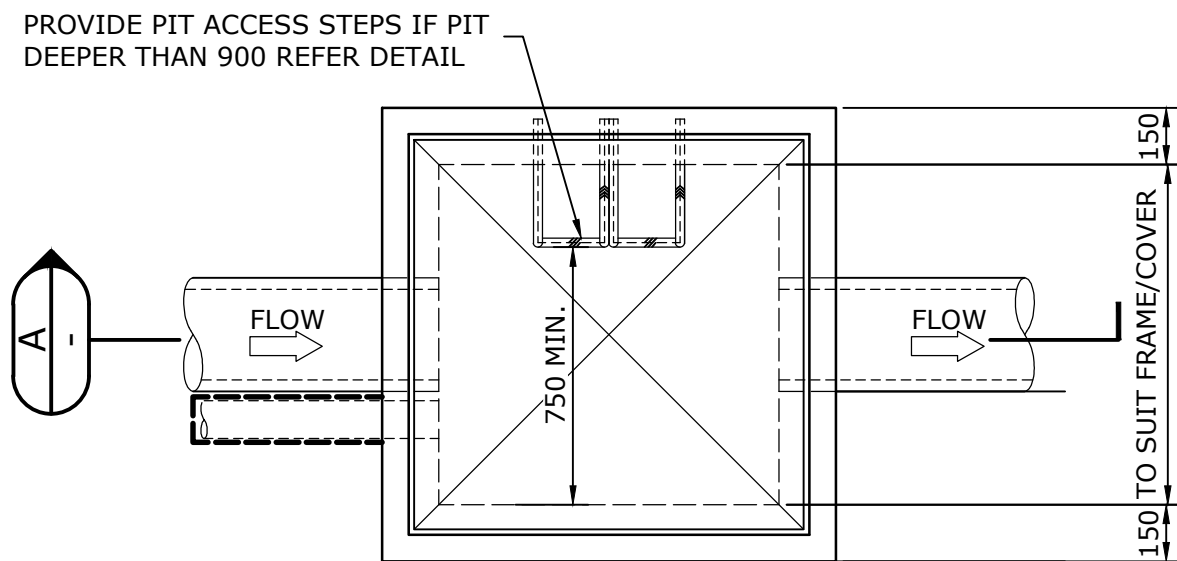
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202061_401-STW.DWG	202061	404	E

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A1			
COORDS: MGA ZONE 56 GDA 2020 DATUM: ALL LEVELS TO A.H.D.			
SCALE: 1:200			
SURVEYED:TSS SURVEY DATE:10.01.2022			
APPROVED / PROJECT LEADER			
A. SUTTON			
REV	AMENDMENT / REASON FOR ISSUE	DATE	DWN.
E	RE-ISSUED FOR DA	05.07.22	LY YK
D	SCHEMATIC DESIGN ISSUE	17.06.22	LY YK
C	ISSUED FOR REVIEW	02.05.22	LY YK
B	ISSUED FOR REVIEW	22.04.22	LY YK
A	ISSUED FOR DEMOLITION	11.02.22	LY IR



SECTION A
SCALE 1:20

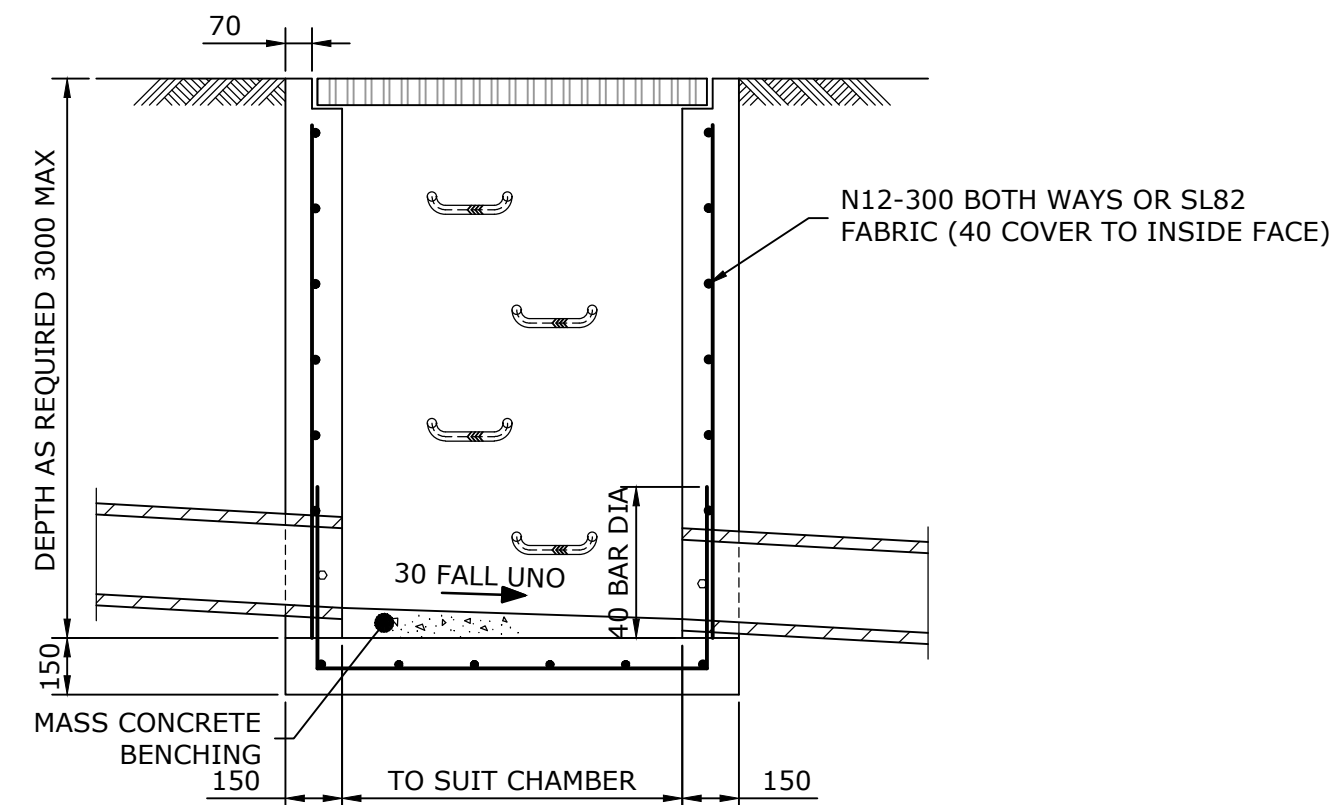
NOTE: IF REINFORCING FABRIC IS TO BE USED
REFER TO WALL AND CORNER DETAILS



100 DIA x 3000 LONG SUBSOIL DRAINAGE STUB
SURROUNDED WITH 100mm OF NOM 20mm COARSE
FILTER MATERIAL WRAPPED IN GEOTEXTILE FILTER
FABRIC (BIDIM A24 OR SIMILAR) TO EACH INLET PIPE

PLAN
SCALE 1:20

TYPICAL DETAIL JUNCTION PIT



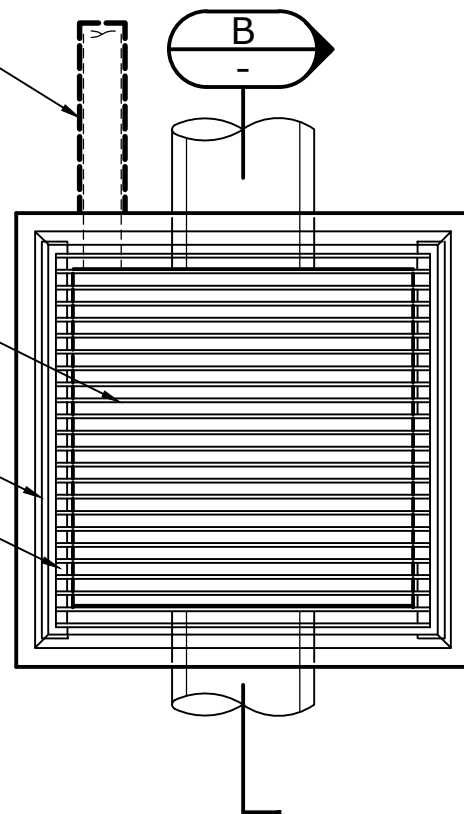
SECTION B
SCALE 1:20

NOTE: IF REINFORCING FABRIC IS TO BE USED
REFER TO WALL AND CORNER DETAILS

100 DIA x 3000 LONG SUBSOIL DRAINAGE
STUB SURROUNDED WITH 100mm OF NOM
20mm COARSE FILTER MATERIAL WRAPPED
IN GEOTEXTILE FILTER FABRIC (BIDIM A24
OR SIMILAR) TO EACH INLET PIPE

WEBFORGE GRATE D325MPG SPAN BARS
SHOWN CROSS RODS NOT SHOWN

35X35X3 SHS FRAME (GALV)
75X5mm BEARING PLATE
(UNDER)

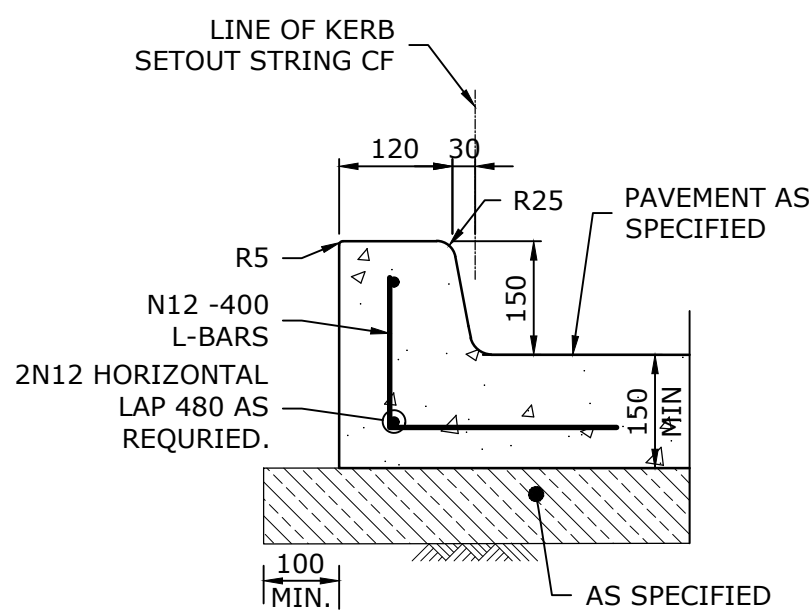


PLAN
SCALE 1:20

TYPICAL DETAIL GRATED INLET PIT

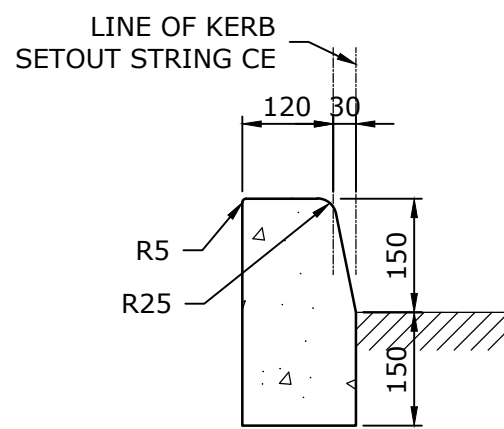
NOTE:

1. ALL EXPOSED METAL SURFACES SHALL BE
HOT DIP GALVANISED AFTER FABRICATION.
2. MINIMUM FABRIC LAP 300mm.



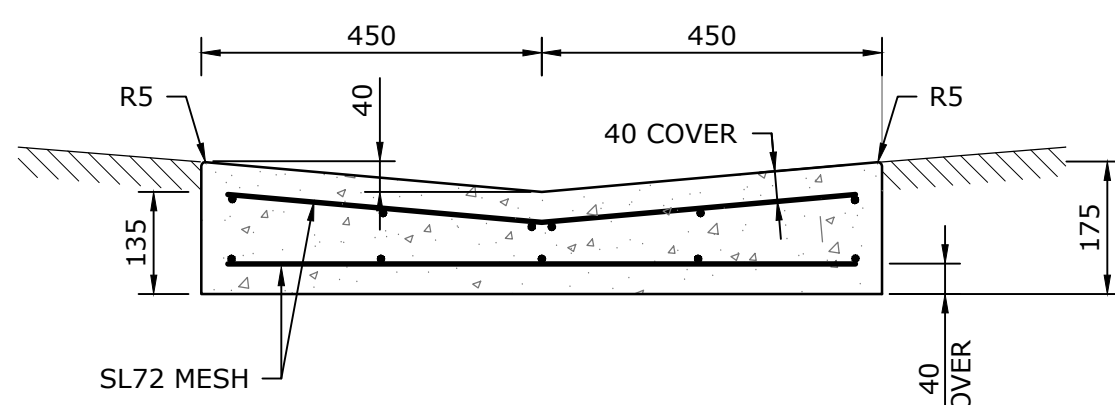
TYPICAL STANDARD KERB
& GUTTER (K&G)
SCALE 1:10

PROVIDE EXPANSION JOINT AT MAX. 3m CTRS

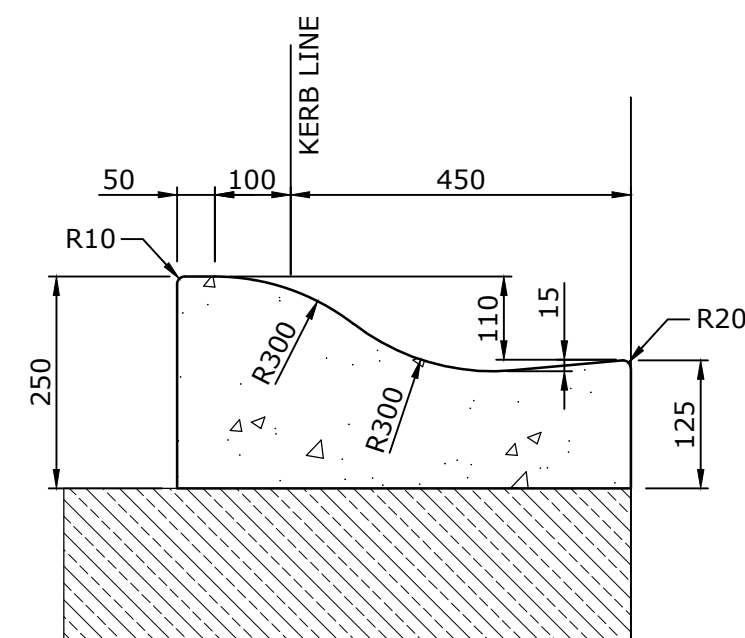


KERB ONLY (KO)
SCALE 1:10

PROVIDE EXPANSION JOINT AT MAX. 3m CTRS



DISH DRAIN
SCALE 1:10



TYPICAL STANDARD ROLL
KERB & GUTTER
SCALE 1:10

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SOME FEATURES / SYMBOLS ARE DIFFERENTIATED
BY COLOUR. DRAWING NOT TO BE RELIED ON IF
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SCHOOL INFRASTRUCTURE NSW

HURLSTONE AGRICULTURE HIGH SCHOOL
ROY WATTS ROAD, GLENFIELD NSW 2167
DETAILS SHEET

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_601-DET.DWG	202061	601	D

SHEET SIZE A1

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1:100 (A1); 1:200 (A3)

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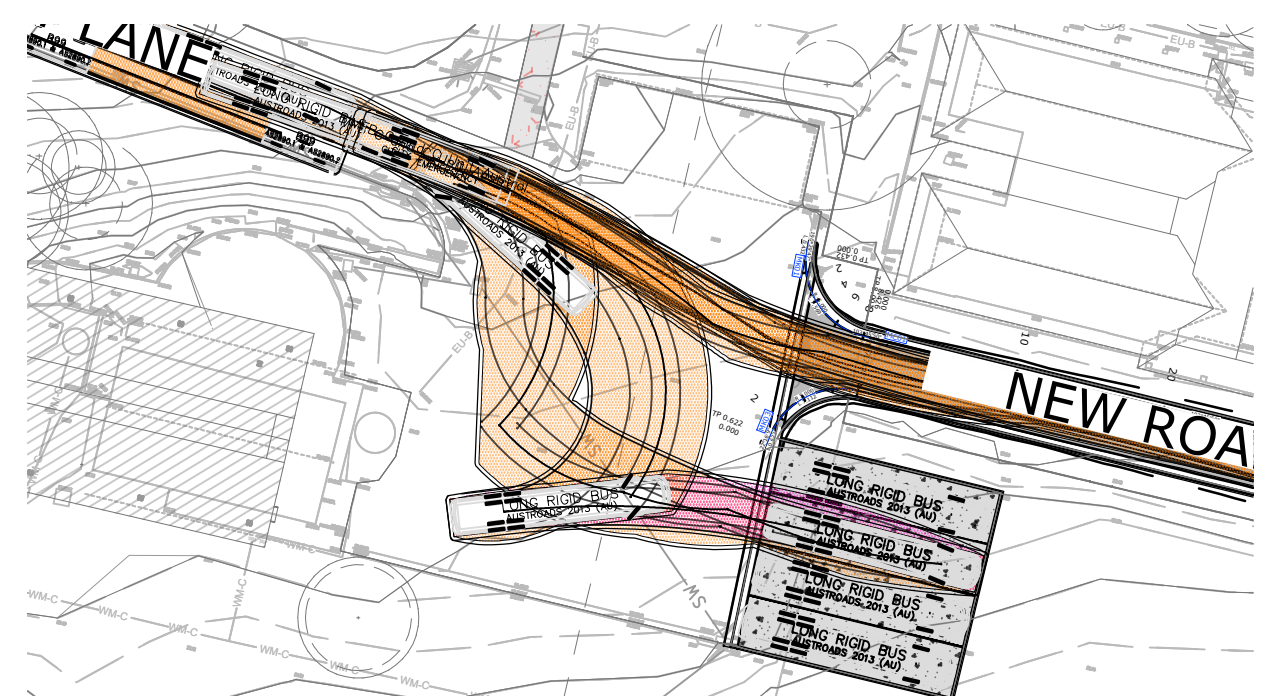
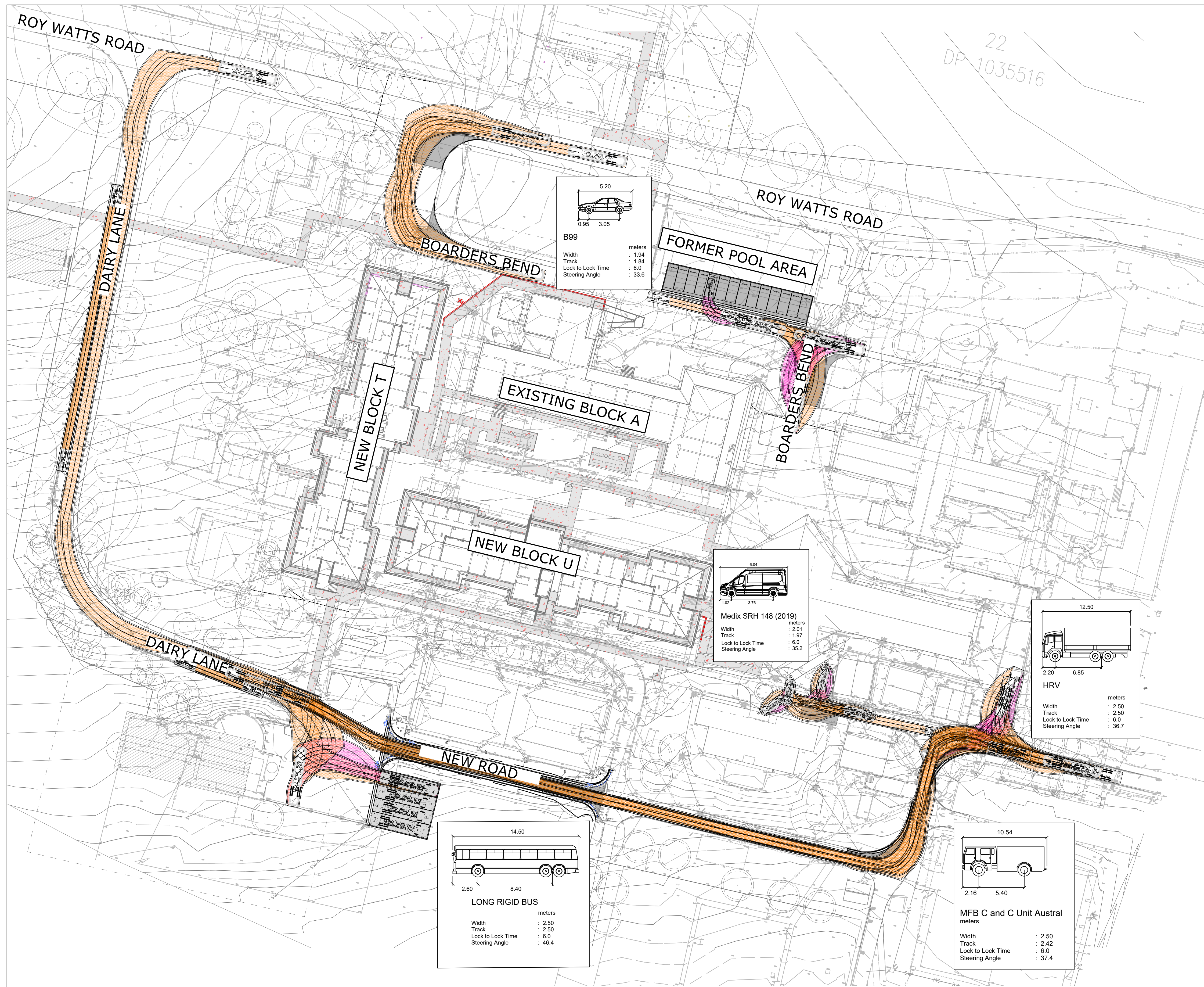
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.	A. SUTTON
D	RE-ISSUED FOR DA	05.07.22	LY	YK	SURVEYED:TSS
C	SCHEMATIC DESIGN ISSUE	17.06.22	LY	YK	SURVEY DATE:10.01.2022
B	ISSUED FOR REVIEW	02.05.22	LY	YK	APPROVED / PROJECT LEADER
A	ISSUED FOR REVIEW	22.04.22	LY	YK	

PUBLIC UTILITIES:

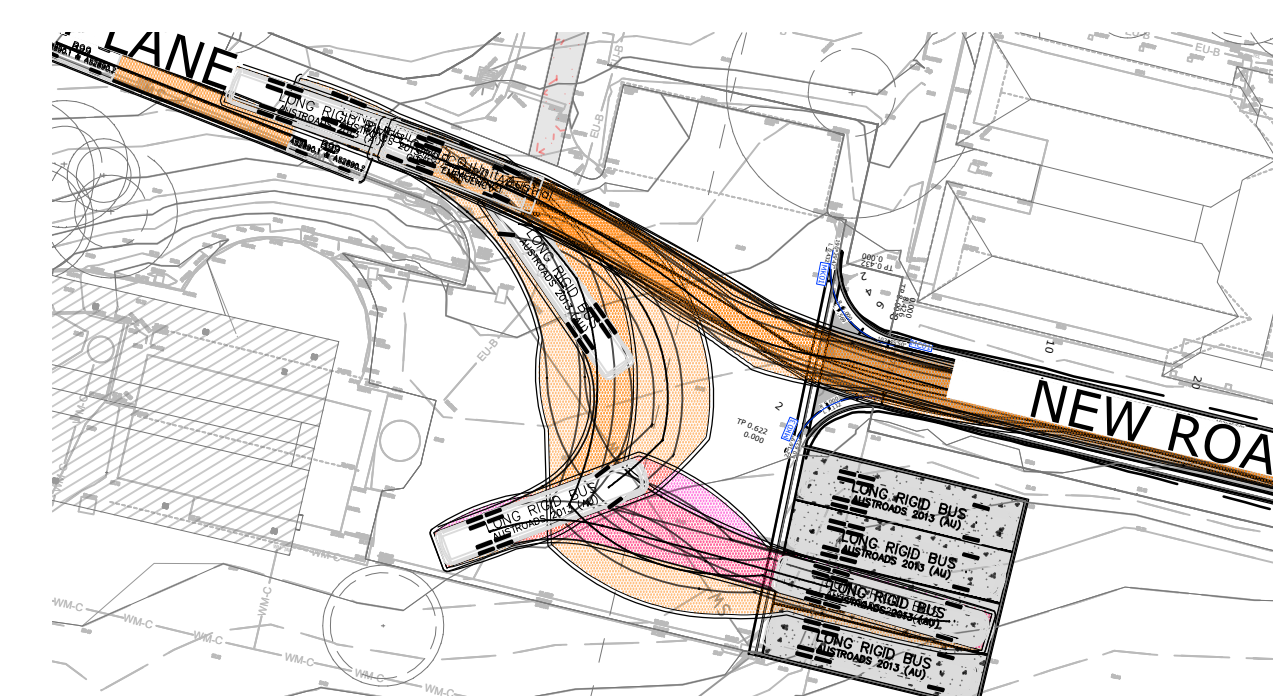
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AUTHORITIES FOR CONFIRMATION OF SERVICES AND THEIR
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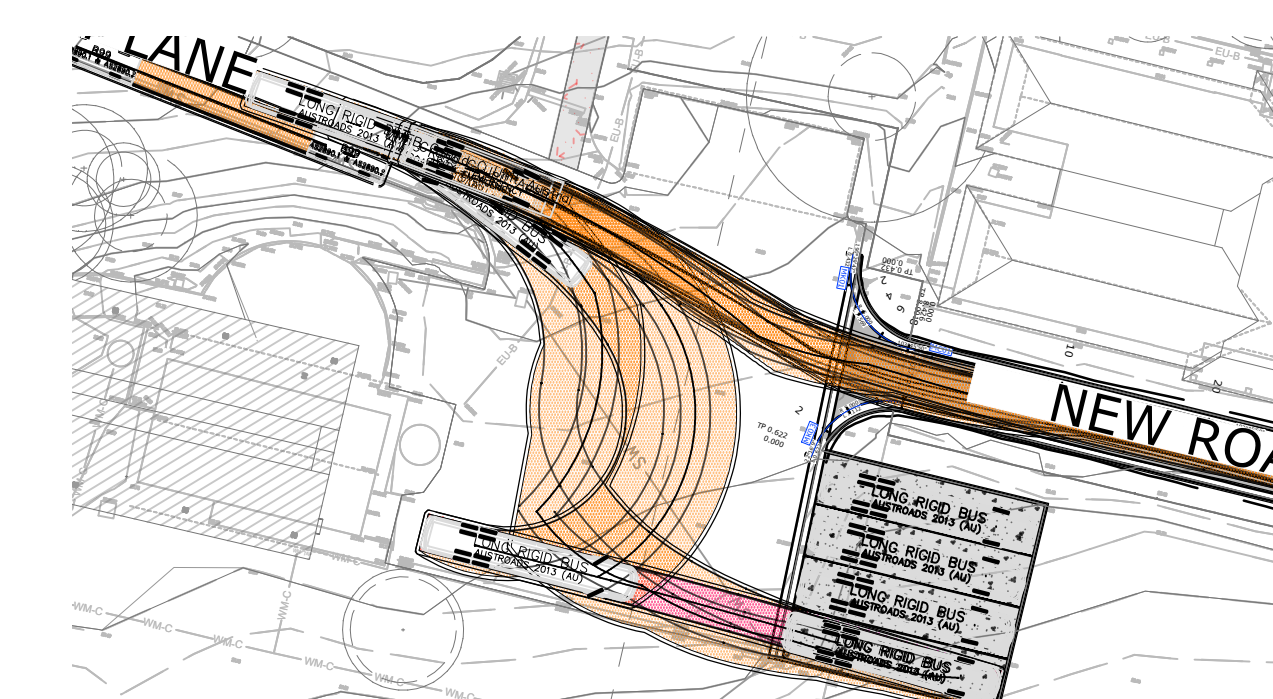
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COACH PARKING 2



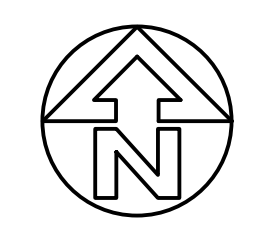
COACH PARKING 3



COACH PARKING 4

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0 5 10 20 30 1:500 (A1); 1:1000 (A3) 100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING					SHEET SIZE A1				
					COORDS: MGA ZONE 56 GD 2020 DATUM: ALL LEVELS TO A.H.D.				
					SCALE: 1:500				
D	RE-ISSUED FOR DA	05.07.22	LY	YK	SURVEYED:TSS				
C	SCHEMATIC DESIGN ISSUE	17.06.22	LY	YK	SURVEY DATE:10.01.2022				
B	ISSUED FOR REVIEW	02.05.22	LY	YK	APPROVED / PROJECT LEADER				
A	ISSUED FOR REVIEW	22.04.22	LY	YK	A. SUTTON				
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.					



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SCHOOL INFRASTRUCTURE NSW			
HURLSTONE AGRICULTURE HIGH SCHOOL			
ROY WATTS ROAD, GLENFIELD NSW 2167			
SWEEP PATH PLAN			
FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_701-SWE.DWG	202061	701	D