

# SCHOOL INFRASTRUCTURE NSW

## ROY WATTS ROAD, GLENFIELD NSW 2167

### HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB



LOCATION PLAN  
N.T.S.

DRAWING SCHEDULE	
Sheet Number	Sheet Title
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1111	EROSION & SEDIMENT CONTROL DETAILS
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1211	CATCHMENT PLAN SHEET 2 OF 2
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1404	SITEWORK PLAN SHEET 4 OF 4
1501	EFFLUENT SKETCH
1601	DETAILS SHEET 1 OF 2
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1701	SWEPT PATH PLAN SHEET 1 OF 3
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1703	SWEPT PATH PLAN SHEET 3 OF 3

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.

NOT FOR CONSTRUCTION

SCHOOL INFRASTRUCTURE NSW  
HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB  
ROY WATTS ROAD, GLENFIELD NSW 2167  
LOCATION PLAN & DRAWING SCHEDULE



FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1001-COV.DWG	202061	1001	D

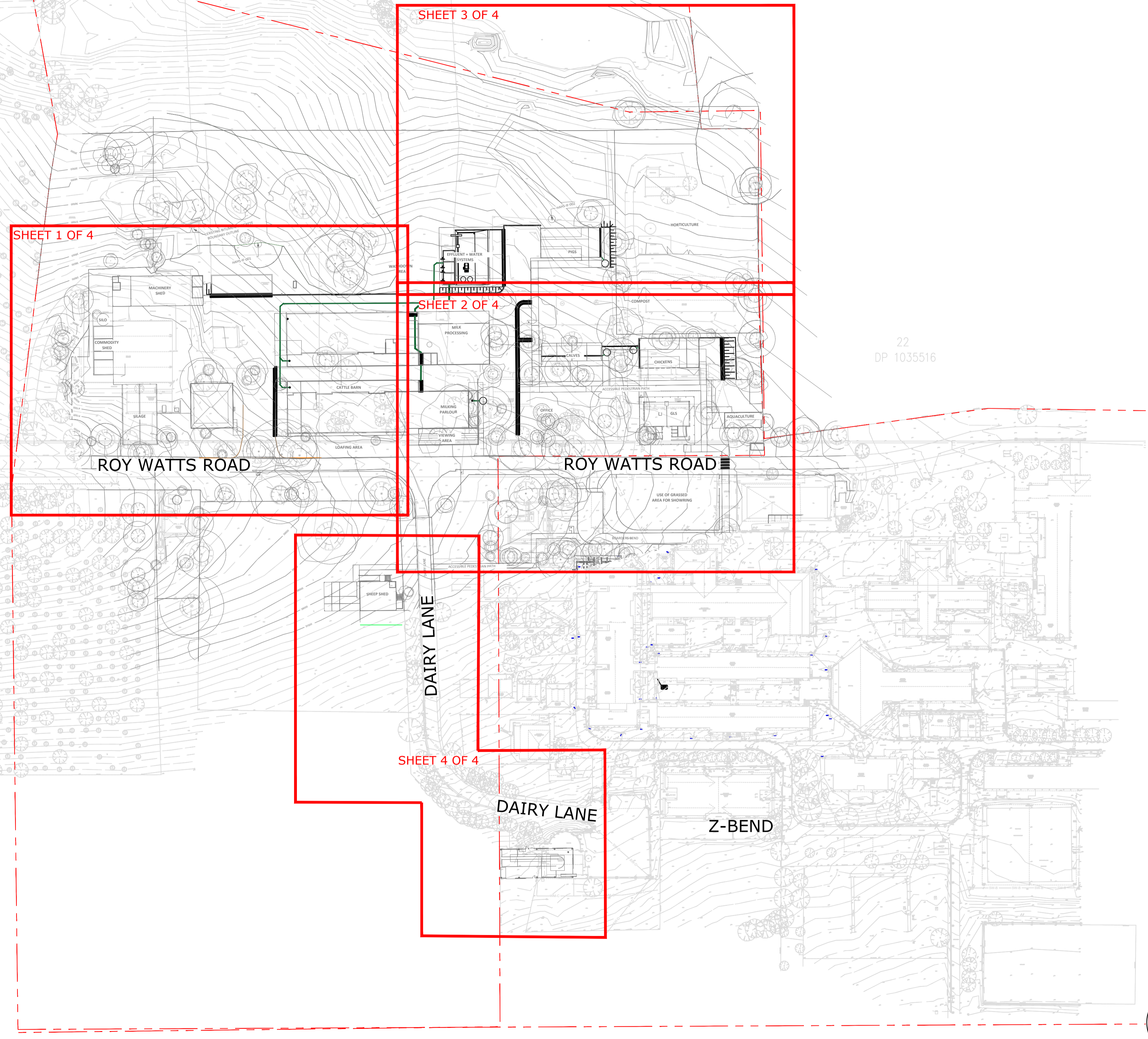
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C	SCHEMATIC DESIGN ISSUE	17.06.22	LY					YK	SURVEY DATE:10.01.2022
B	ISSUED FOR REVIEW	02.05.22	LY					LY	APPROVED / PROJECT LEADER
A	ISSUED FOR REVIEW	22.04.22	LY					LY	
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.	A. SUTTON				

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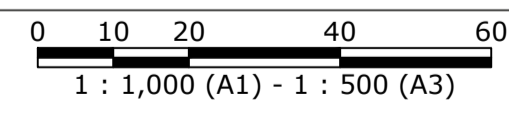
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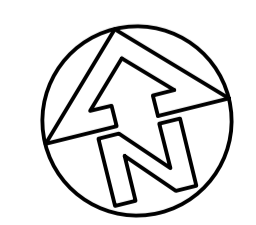
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SHEET SIZE  
**A1**

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					APPROVED / PROJECT LEADER
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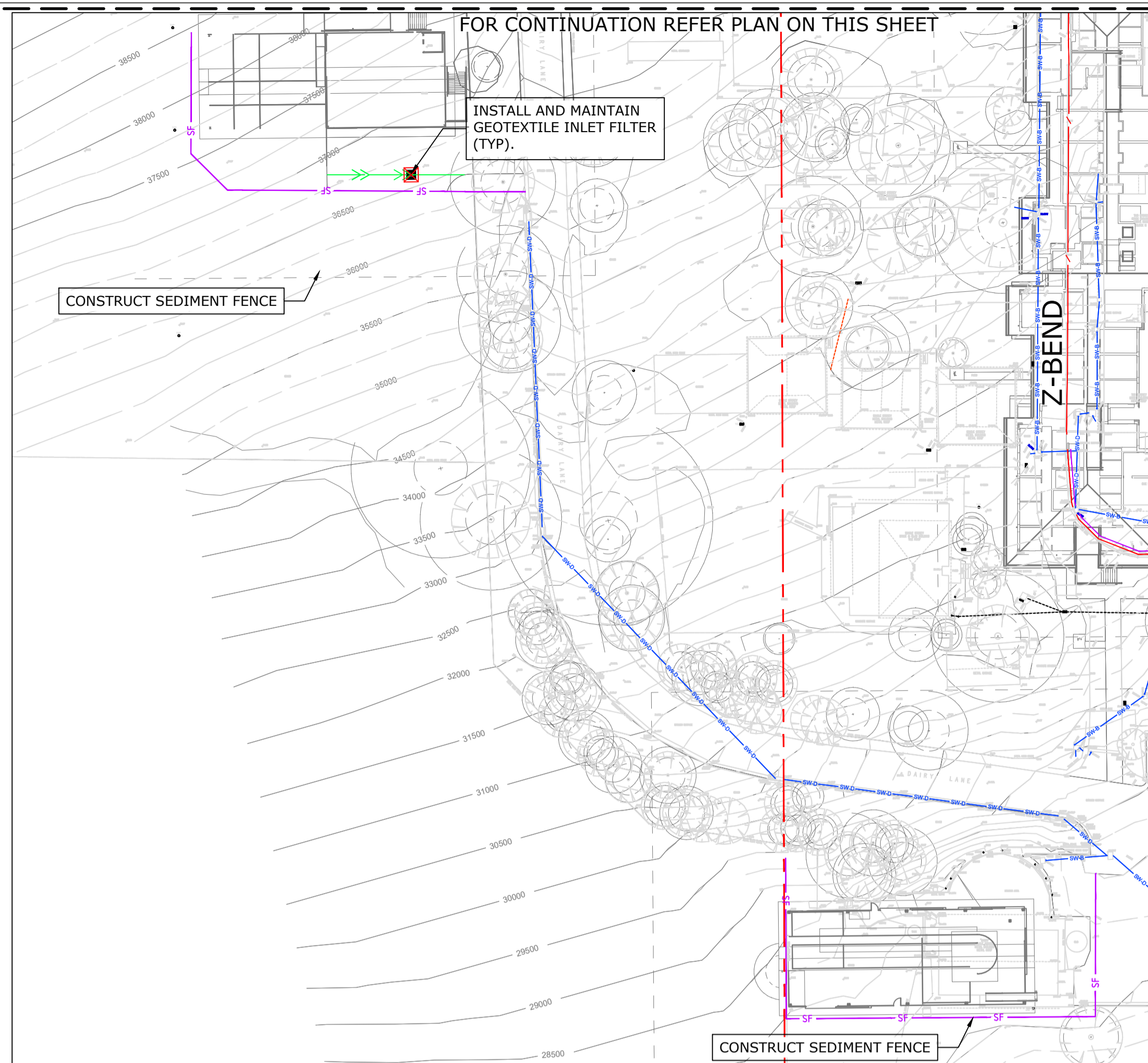


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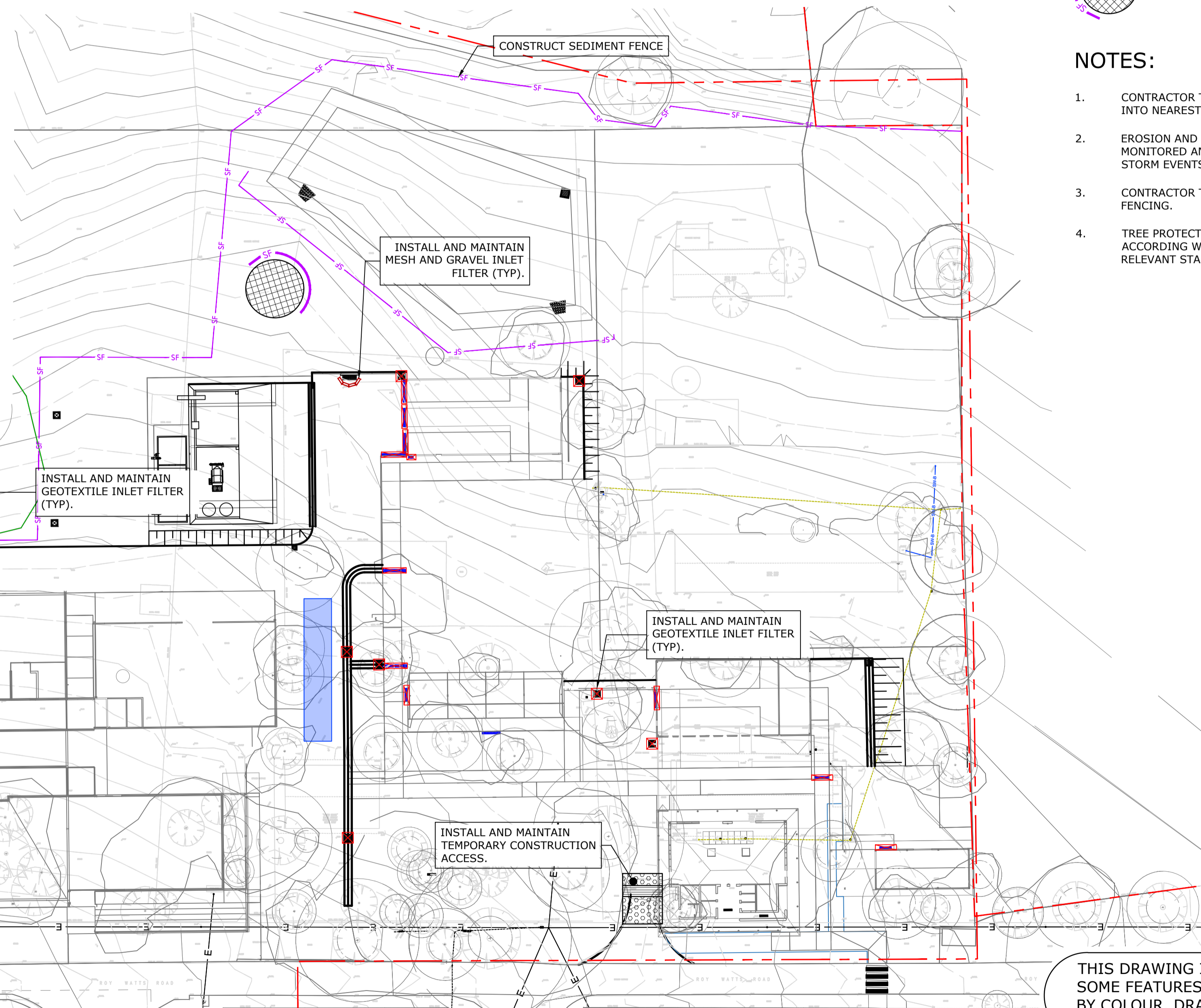


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GENERAL LAYOUT PLAN

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1005-GEN.DWG	202061	1005	D



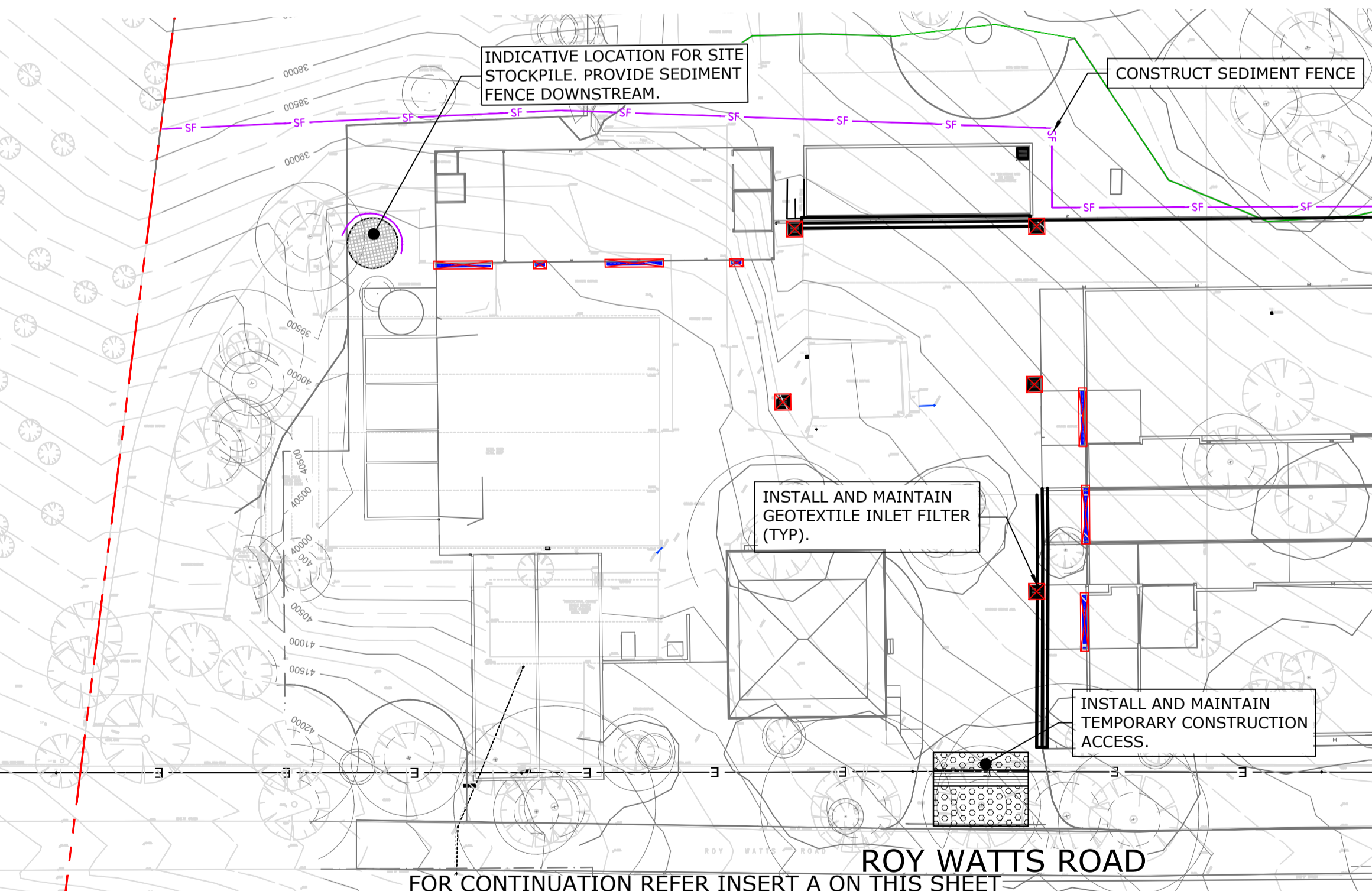
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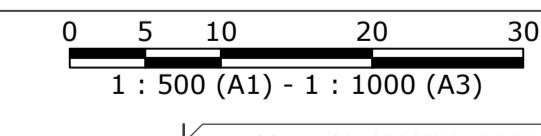
	TEMPORARY SILT FENCE FOR SEDIMENT CONTROL
	EXCLUSION FENCE
	GEOTEXTILE SEDIMENT TRAPS AT EXISTING GRATED INLET PIT
	TEMPORARY CONSTRUCTION ACCESS
	MESH AND GRAVEL INLET FILTER
	SANDBAGS
	INDICATIVE STOCKPILE AREA

- NOTES:**
1. CONTRACTOR TO ENSURE THE GROUND SURFACE SLOPES INTO NEAREST GRATED INLET PITS.
  2. EROSION AND SEDIMENT CONTROL DEVICES TO BE MONITORED AND MAINTAINED WEEKLY OR AFTER MAJOR STORM EVENTS.
  3. CONTRACTOR TO ARRANGE FOR TEMPORARY SECURITY FENCING.
  4. TREE PROTECTION AND FENCING SHOULD BE PLACED IN ACCORDING WITH ARBORIST'S INSTRUCTION AND RELEVANT STANDARD.



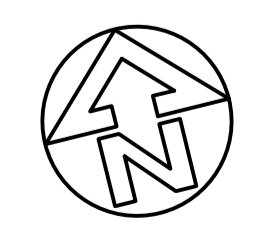
ROY WATTS ROAD

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A ISSUED FOR REVIEW		22.04.22	LY LY
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES. DWN.
			A. SUTTON

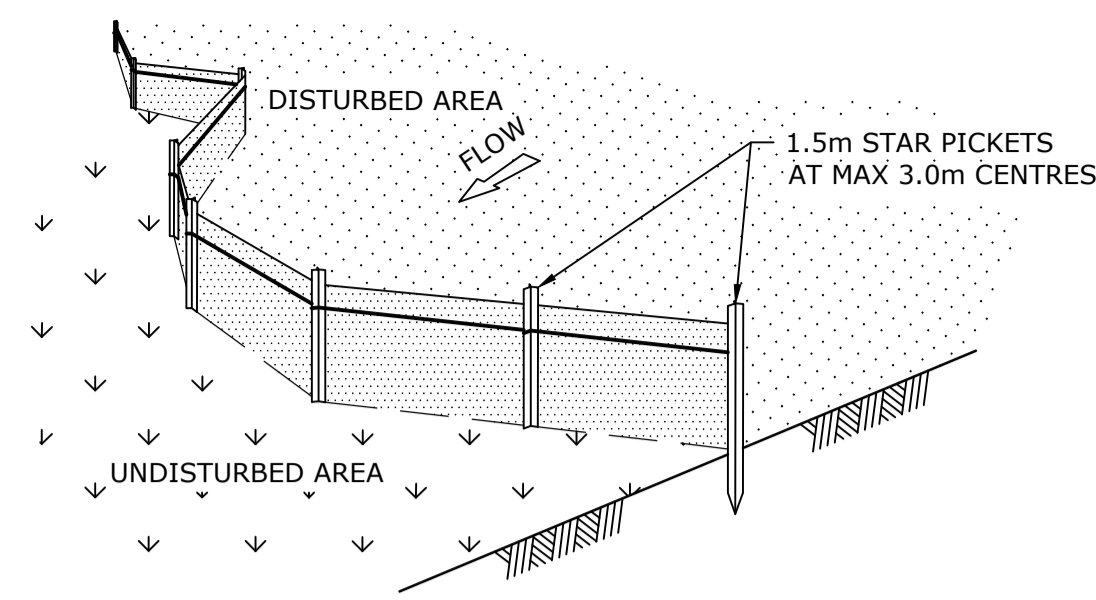


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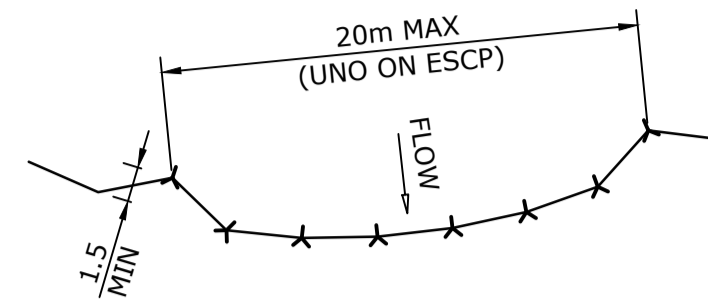


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EROSION & SEDIMENT CONTROL PLAN

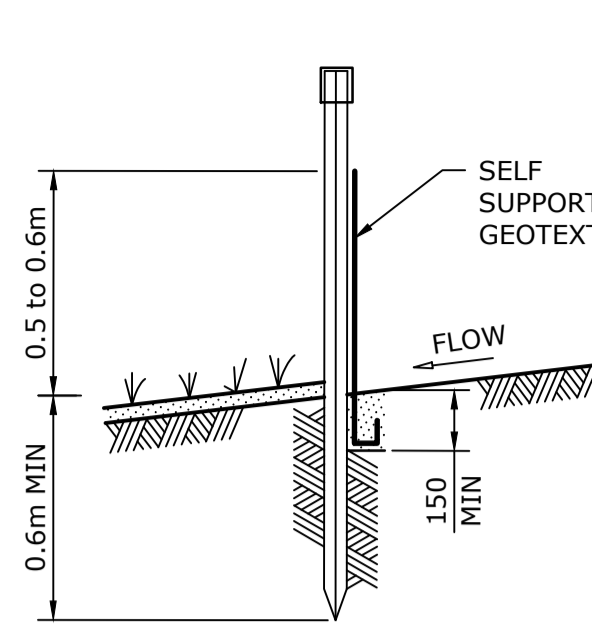
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202061_1101-ESC.DWG	202061	1101	D



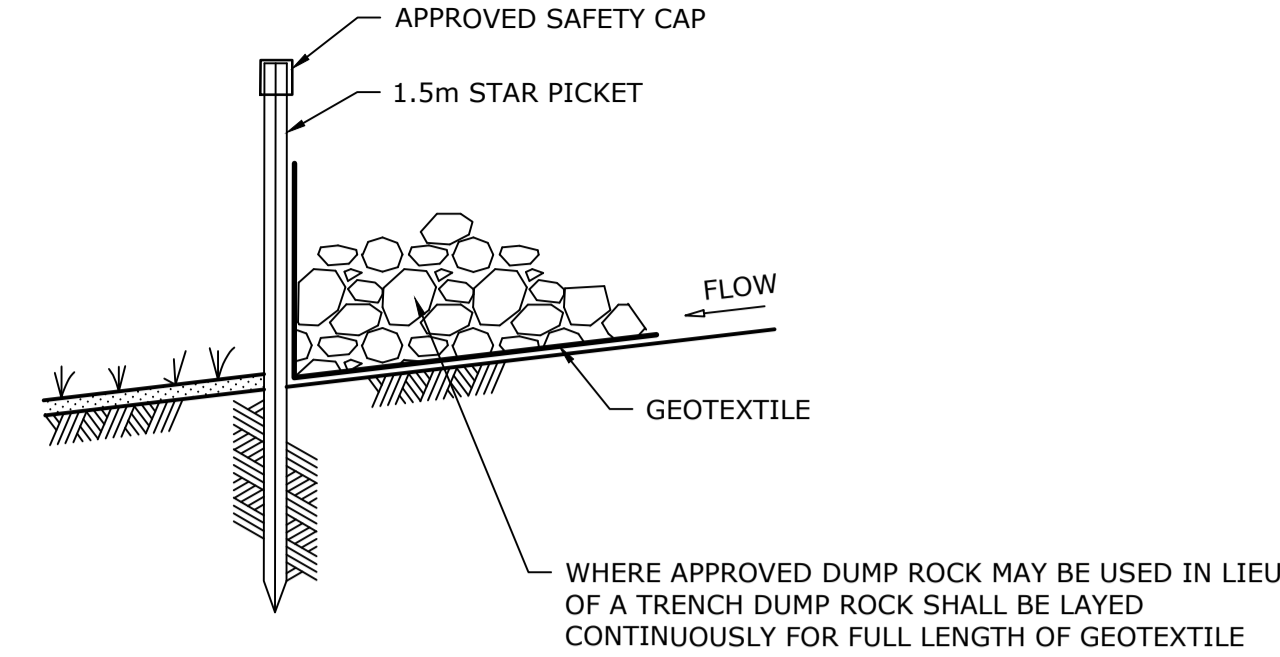
DETAIL - 1



DETAIL - 2



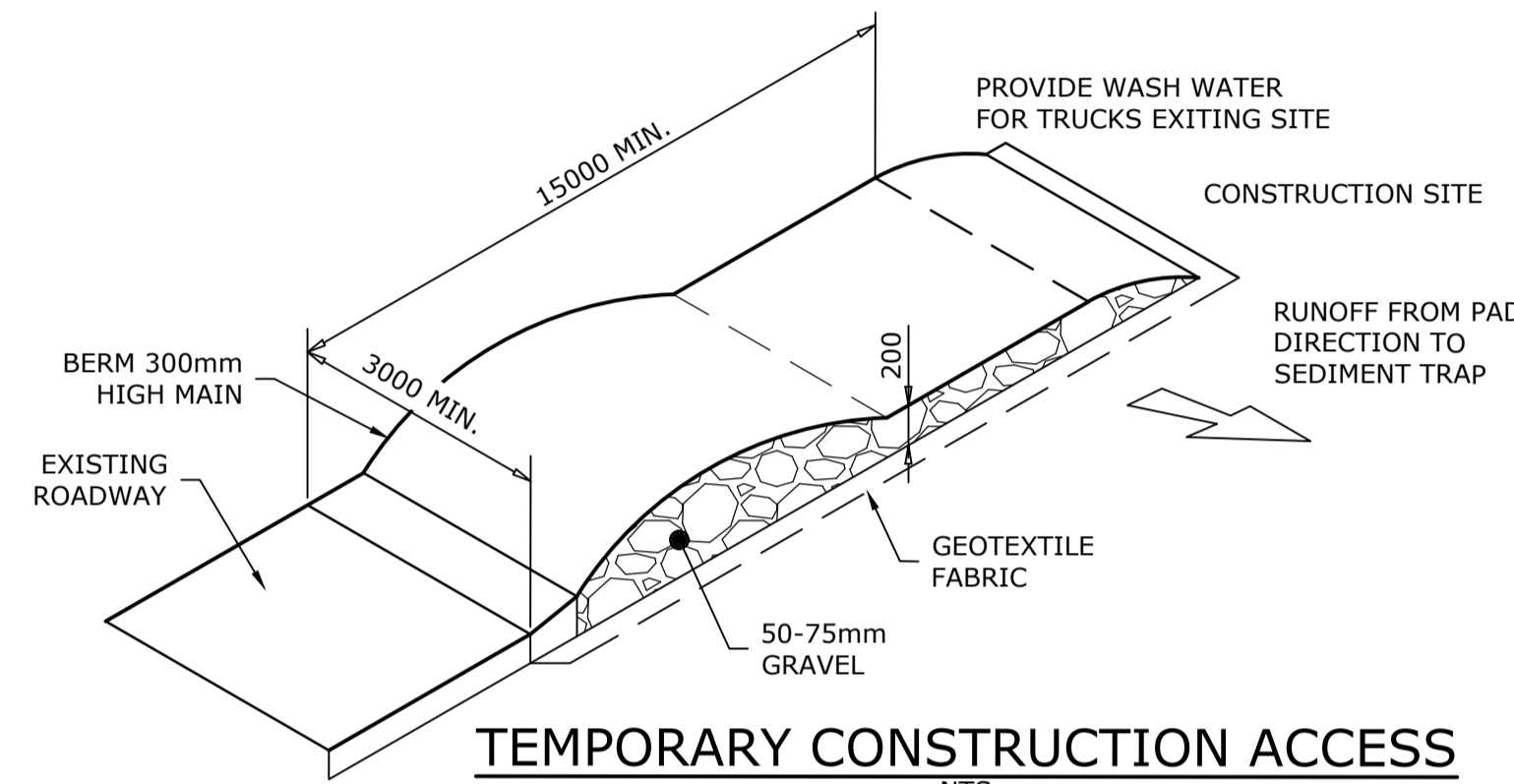
STANDARD FENCE INSTALLATION & ANCHOR DETAIL



ALTERNATIVE FENCE INSTALLATION AND ANCHOR DETAIL

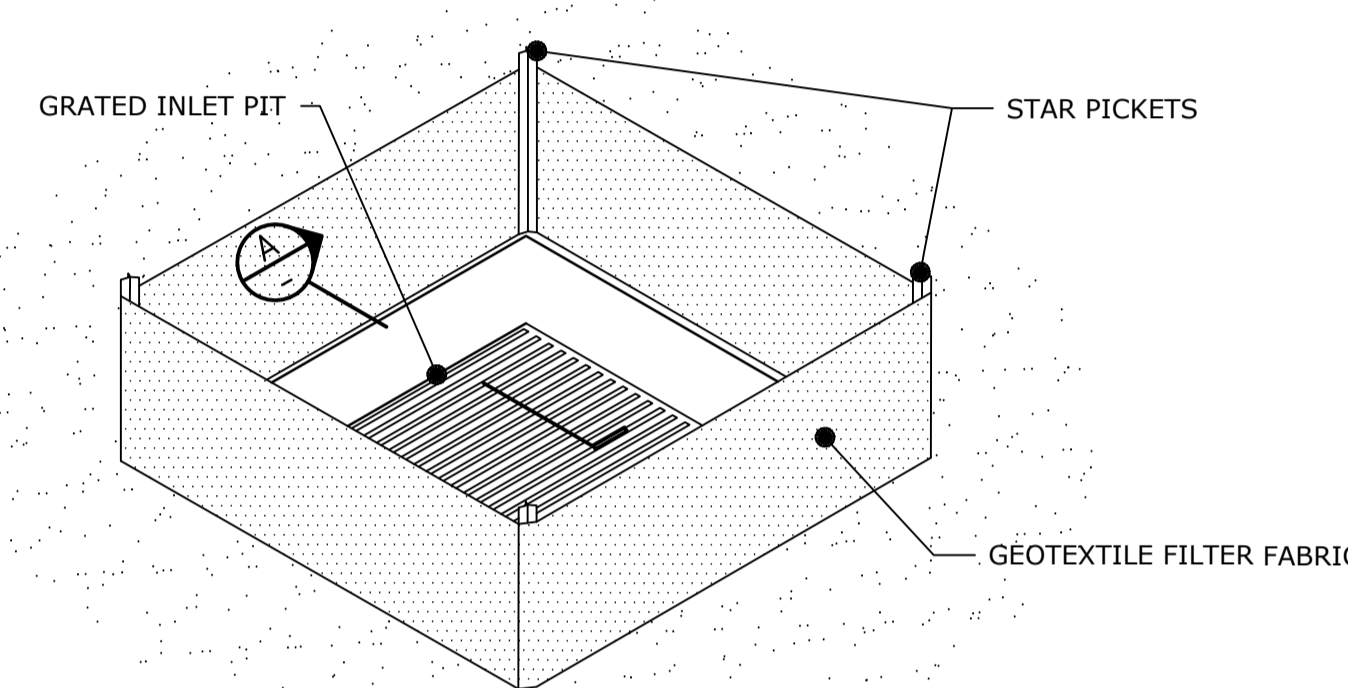
**SEDIMENT FENCE INSTALLATION DETAILS**

NTS



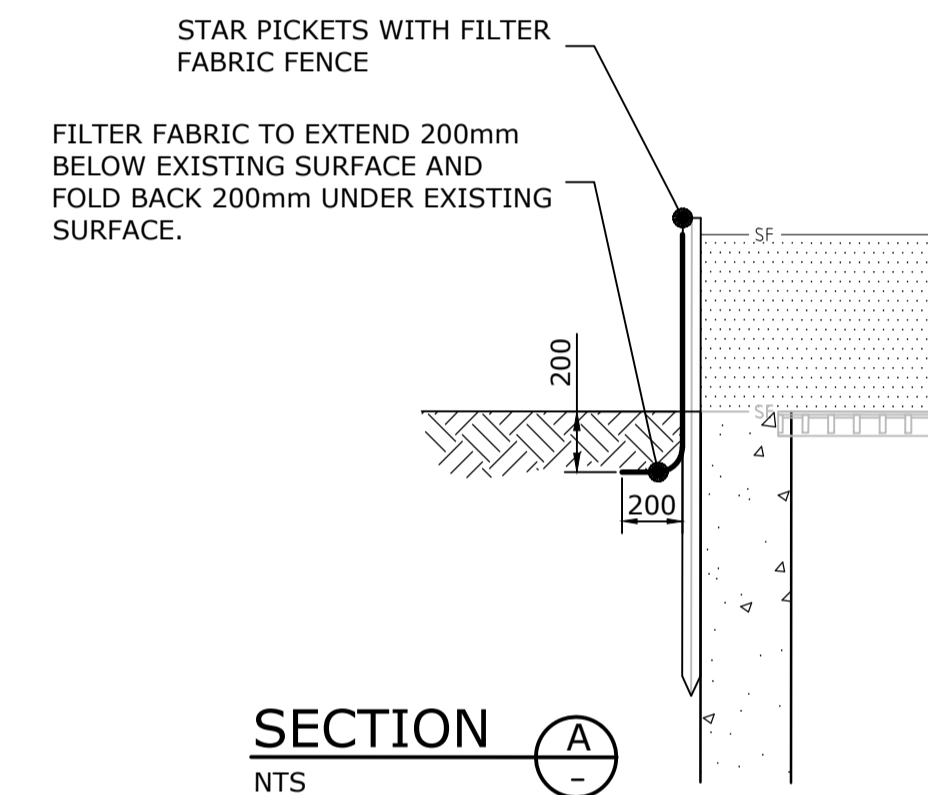
TEMPORARY CONSTRUCTION ACCESS

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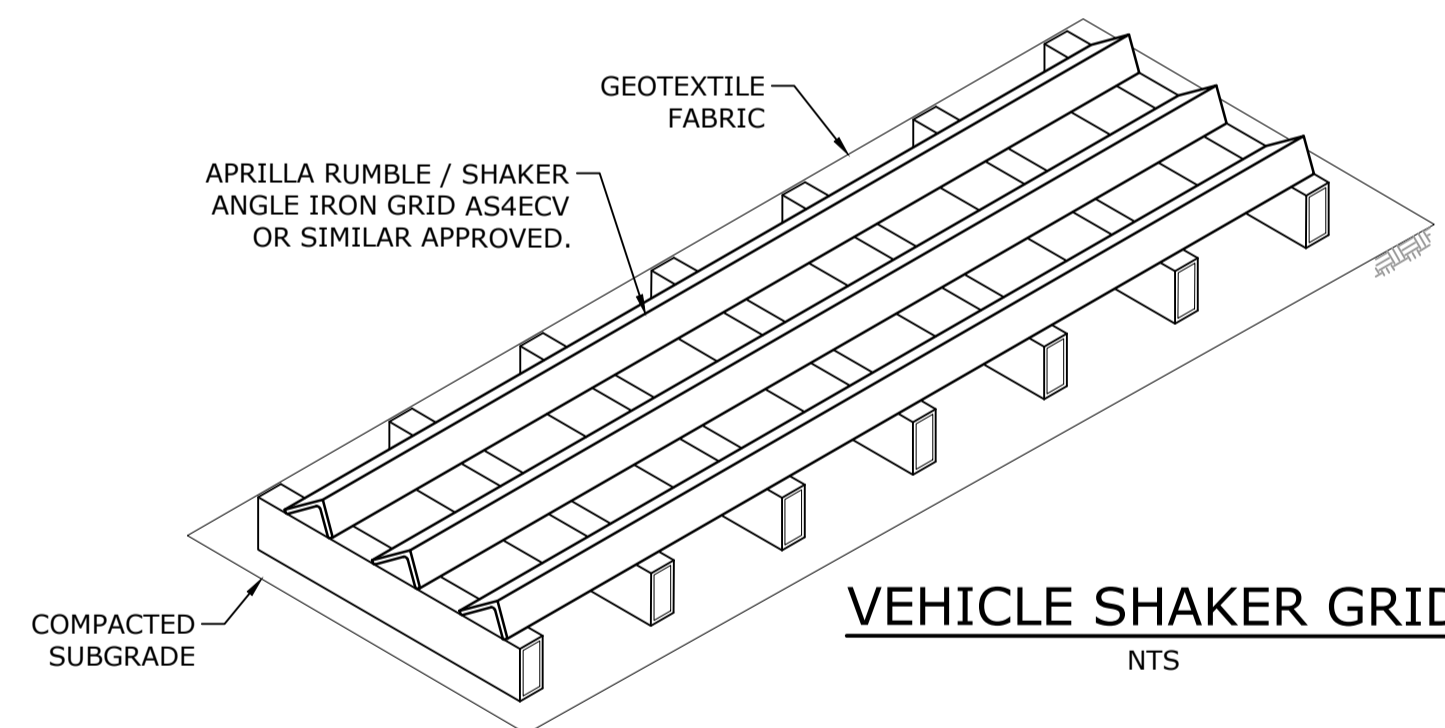
GEOTEXTILE INLET FILTER SEDIMENT TRAP

NTS



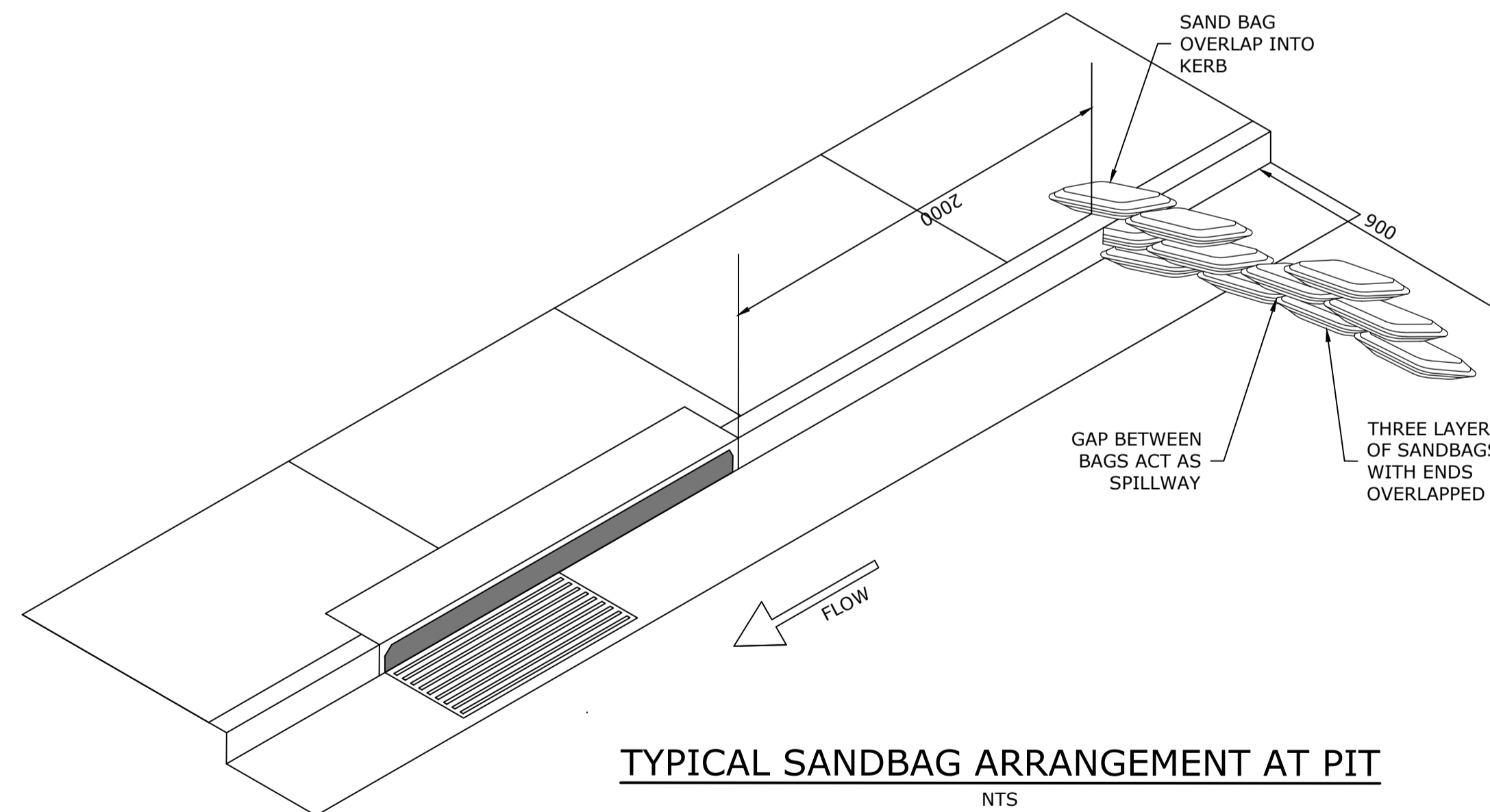
SECTION A

NTS



VEHICLE SHAKER GRID

NTS



TYPICAL SANDBAG ARRANGEMENT AT PIT

NTS

**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 BY 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.

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 EROSION & SEDIMENT CONTROL DETAILS

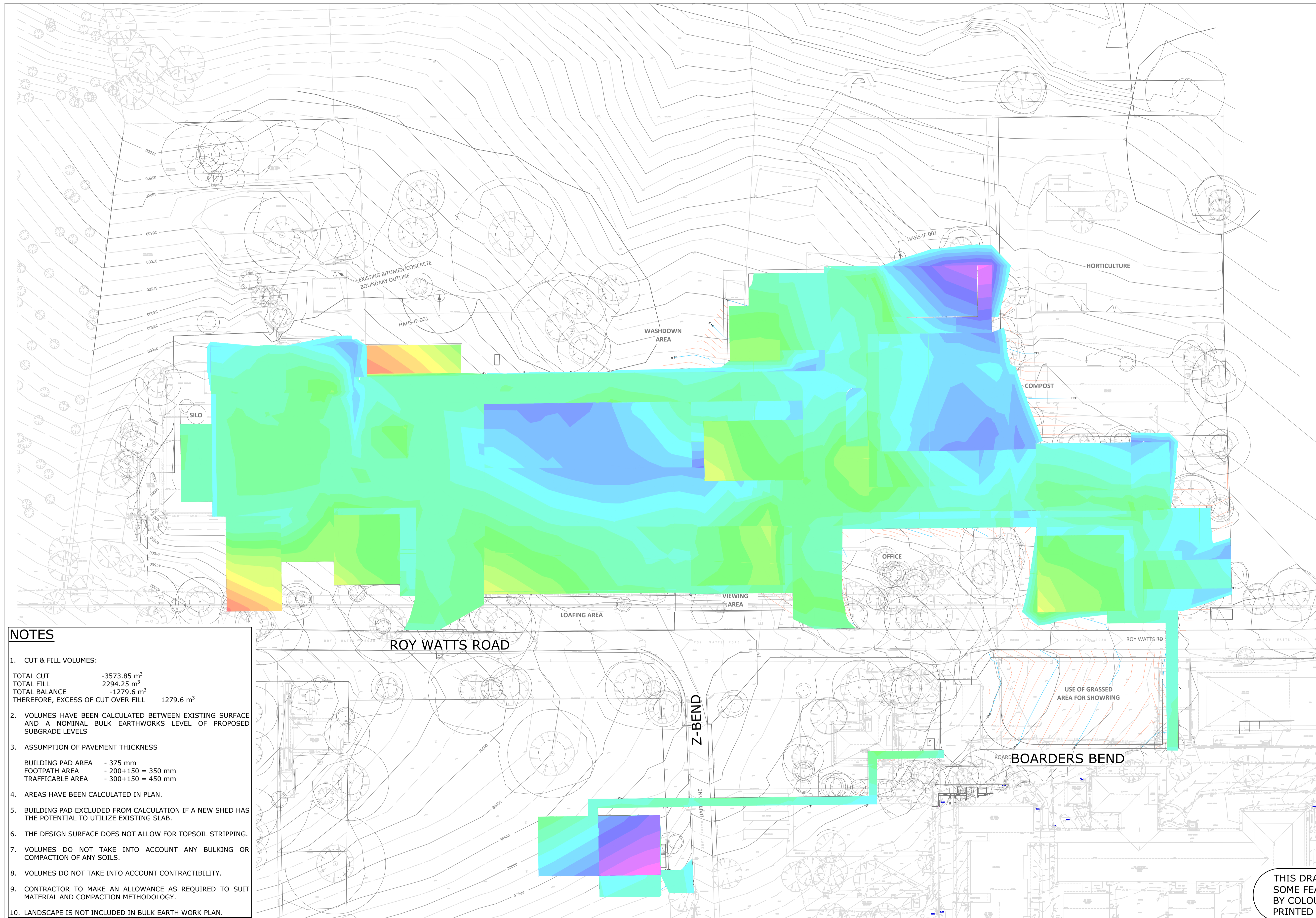


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202061_1111-ESD.DWG	202061	1111	D

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100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING		SCALE: AS SHOWN							
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A	ISSUED FOR REVIEW	22.04.22	LY	LY	A. SUTTON				
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 THE SERVICES SHOWN ON PLANS ARE INDICATIVE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO ACCURATELY LOCATE THE SERVICES WITHIN THE EXTENT OF WORK SHOWN ON THESE DRAWINGS PRIOR TO THEIR COMMENCEMENT OF WORK.



DEPTH RANGE	CUT	FILL	Colour	
Lower_value	Upper_value			
-100	to	-3.0	m	Dark Brown
-3.0	to	-2.8	m	Dark Red
-2.8	to	-2.6	m	Red
-2.6	to	-2.4	m	Dark Red-Orange
-2.4	to	-2.2	m	Red-Orange
-2.2	to	-2.0	m	Orange
-2.0	to	-1.8	m	Light Orange
-1.8	to	-1.6	m	Yellow-Orange
-1.6	to	-1.4	m	Yellow
-1.4	to	-1.2	m	Light Green
-1.2	to	-1.0	m	Green
-1.0	to	-0.8	m	Light Green
-0.8	to	-0.6	m	Green
-0.6	to	-0.4	m	Light Green
-0.4	to	-0.2	m	Green
-0.2	to	0.0	m	Light Green
0.0	to	0.2	m	Cyan
0.2	to	0.4	m	Light Blue
0.4	to	0.6	m	Blue
0.6	to	0.8	m	Light Blue
0.8	to	1.0	m	Blue
1.0	to	1.2	m	Light Blue
1.2	to	1.4	m	Blue
1.4	to	1.6	m	Light Blue
1.6	to	1.8	m	Blue
1.8	to	2.0	m	Light Blue
2.0	to	2.2	m	Blue
2.2	to	2.4	m	Light Blue
2.4	to	2.6	m	Blue
2.6	to	2.8	m	Light Blue
2.8	to	3.0	m	Blue
3.0	to	100	m	Dark Blue

**NOTES**

- CUT & FILL VOLUMES:  
TOTAL CUT -3573.85 m<sup>3</sup>  
TOTAL FILL 2294.25 m<sup>3</sup>  
TOTAL BALANCE -1279.6 m<sup>3</sup>  
THEREFORE, EXCESS OF CUT OVER FILL 1279.6 m<sup>3</sup>
- 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.
- BUILDING PAD EXCLUDED FROM CALCULATION IF A NEW SHED HAS THE POTENTIAL TO UTILIZE EXISTING SLAB.
- 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.

0	5	10	20	30
1 : 500 (A1) - 1 : 1000 (A3)				
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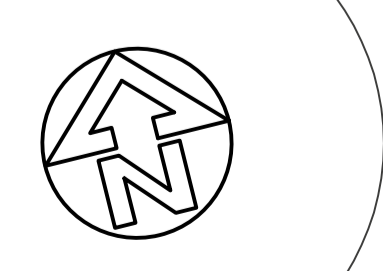
SHEET SIZE  
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SCALE: 1:500

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SURVEY DATE:10.01.2022

APPROVED / PROJECT LEADER  
A. SUTTON



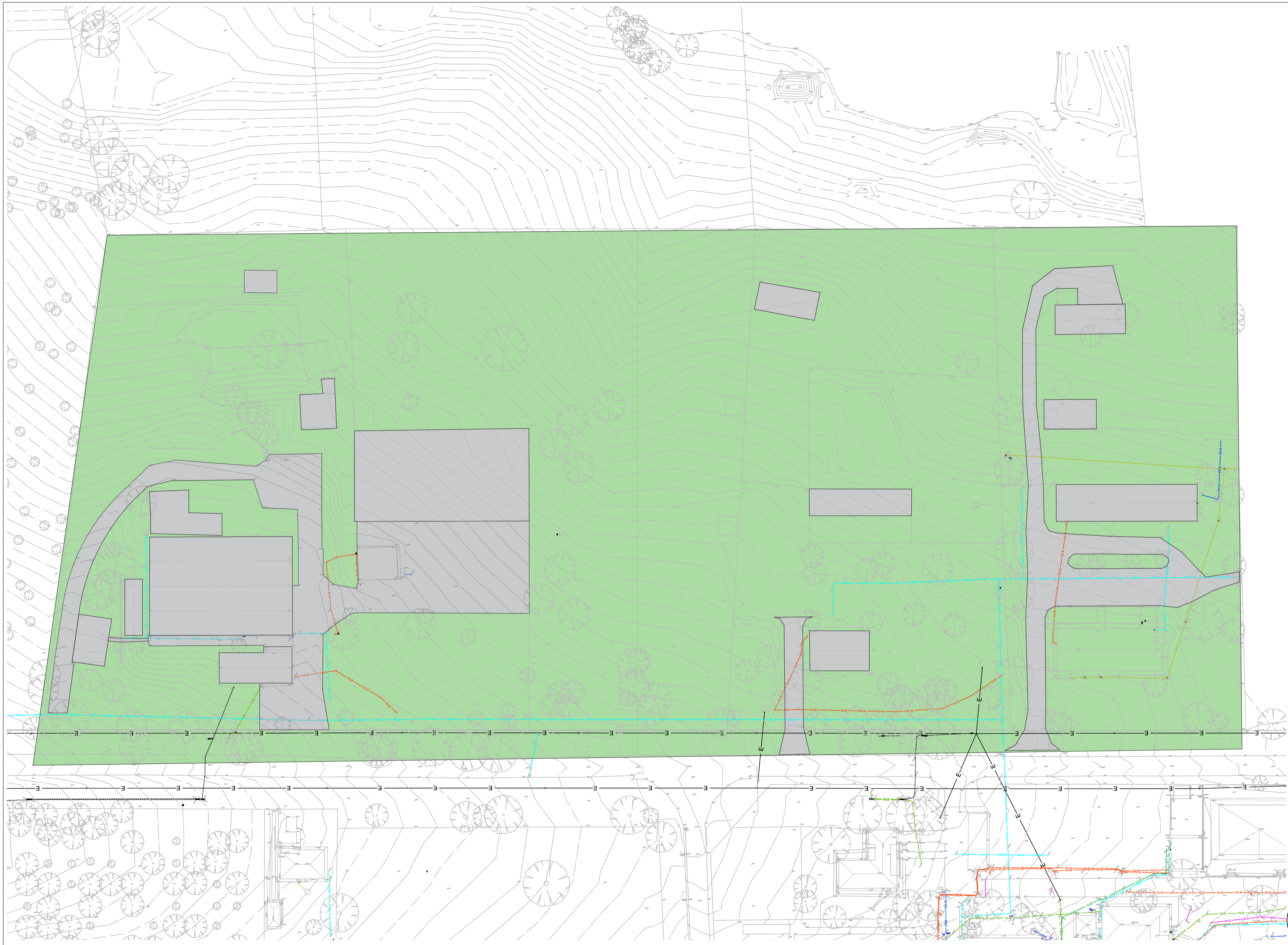
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BULK EARTHWORKS PLAN

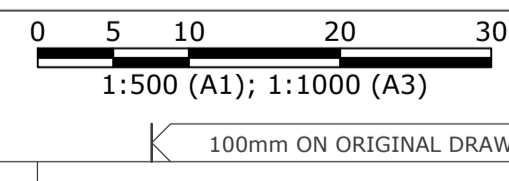
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202061_1201-BEW.DWG	202061	1201	C



**LEGEND**

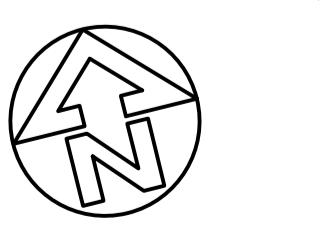
<span style="display:inline-block; width:20px; height:10px; background-color:lightgreen;"></span>	PERVIOUS AREAS TOTAL AREAS = 33,564m <sup>2</sup>
<span style="display:inline-block; width:20px; height:10px; background-color:lightgrey;"></span>	IMPERVIOUS AREAS TOTAL AREAS = 7,629m <sup>2</sup>

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**A1**

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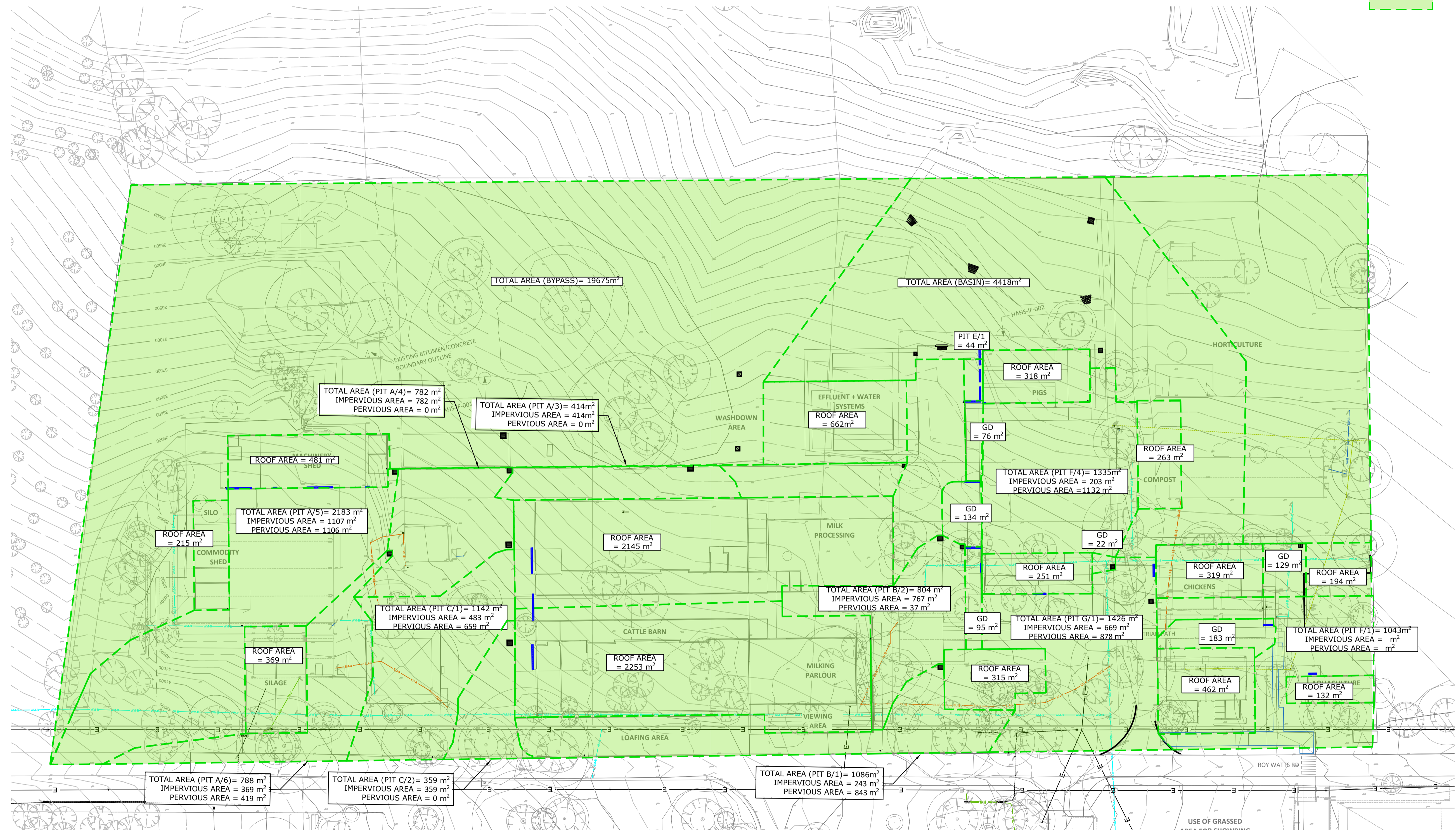
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**ROY WATTS ROAD, GLENFIELD NSW 2167**  
**CATCHMENT PLAN SHEET 1 OF 2**

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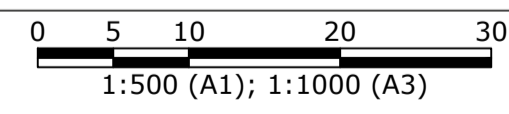
**LEGEND**



POST-CATCHMENTS AREAS  
TOTAL AREAS = 41193 m<sup>2</sup>



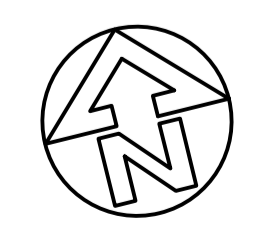
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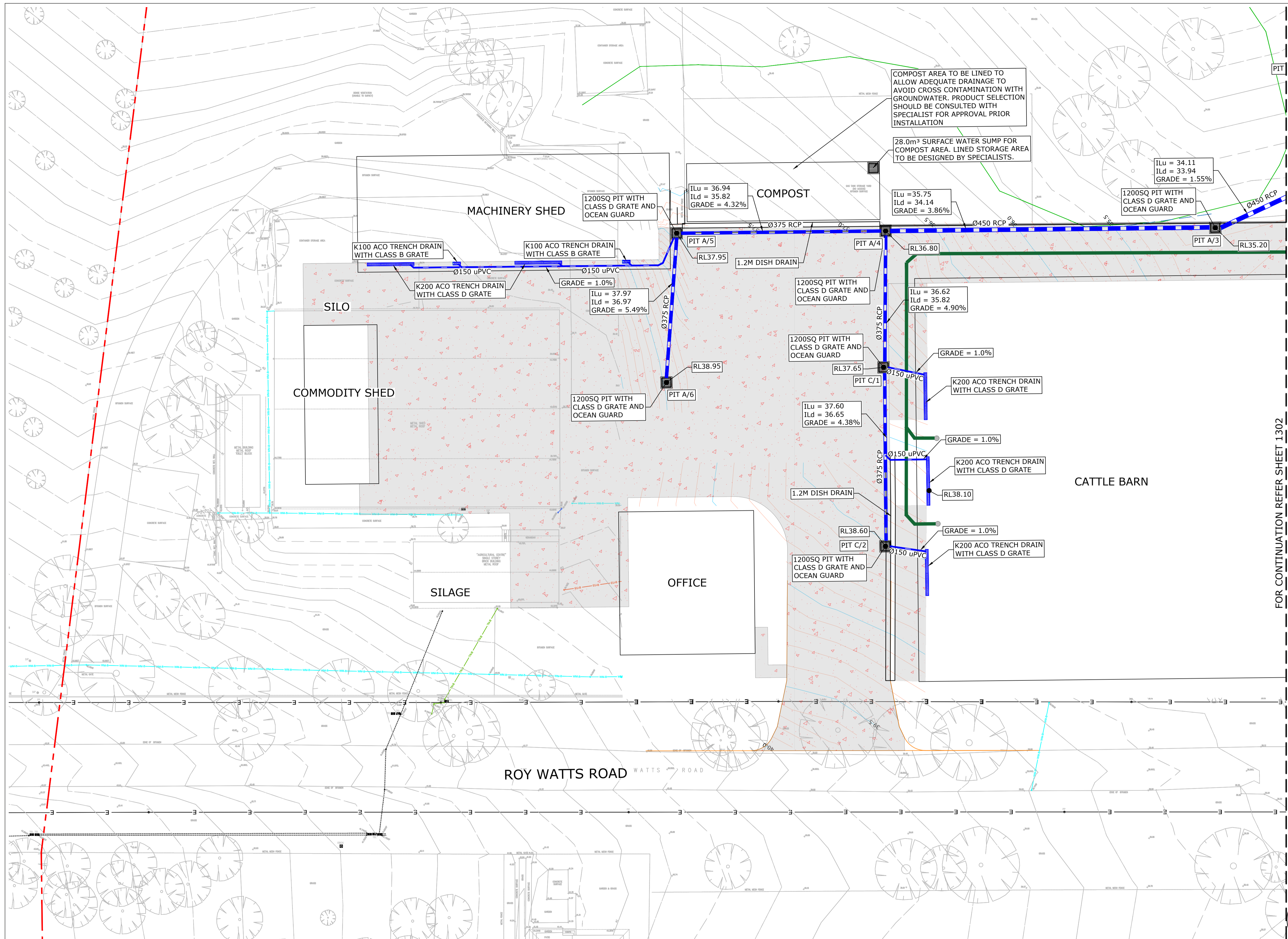
tonkin.com.au

**NOT FOR CONSTRUCTION**  
SCHOOL INFRASTRUCTURE NSW  
HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB  
ROY WATTS ROAD, GLENFIELD NSW 2167  
CATCHMENT PLAN SHEET 2 OF 2

REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.
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	MC	MC
A	ISSUED FOR REVIEW	22.04.22	MC	MC

SURVEYED:TSS				
SURVEY DATE:10.01.2022				
APPROVED / PROJECT LEADER				
A. SUTTON				

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1211-CAT.DWG	202061	1211	D



### LEGEND

- EXTEND OF WORKS
- PROPOSED PIPE
- ▬▬▬ GRATED DRAIN
- STORMWATER PIT
- ← OVERLAND FLOW PATH
- ▬▬▬ HEADWALL
- SCOUR PROTECTION
- ▬▬▬ EFFLUENT PIPE
- 5.00 MAJOR DESIGN CONTOUR
- 5.10 MINOR DESIGN CONTOUR
- 5.00 MAJOR EXISTING CONTOUR
- 5.10 MINOR EXISTING CONTOUR
- ▬▬▬ CUMBERLAND FOREST
- ▬▬▬ GRASSED LINED SWALE

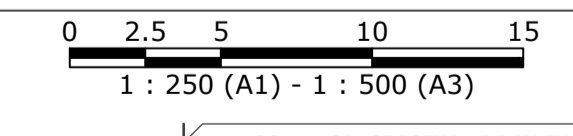
### EXISTING UTILITIES LEGEND

- 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
- SW-A-B-C-D STORMWATER LINE
- SM-A-B-C-D SEWER MAIN
- UP-A-D UNKNOWN SERVICE
- RETAINING WALL
- NEW CONCRETE PAVEMENT FOR PEDESTRIAN ACCESS ONLY
- COMPACTED SOIL WITH GRAVEL SURFACE
- LANDSCAPE AREA
- BATTER

FOR CONTINUATION REFER SHEET 1302

- NOTE:**
1. PLAN TO BE READ IN CONJUNCTION WITH PROJECT DESIGN REPORT.
  2. CONTRACTOR TO CONFIRM LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AT CC STAGE.
  3. REFER HYDRAULIC ENGINEER PLAN FOR DOWN PIPE DESIGN AND CALCULATION.
  4. ALL NEW PIPES AT DOWNSTREAM OF PITS TO BE Ø225 uPVC AT MIN. 1% U.N.O.
  5. PITS WITH DEPTHS TO INVERT IN EXCESS OF 1.2m ARE TO BE PROVIDED WITH STEP IRONS.
  6. REFER TO MANUFACTURERS SPECIFICATIONS FOR FURTHER WATER QUALITY DEVICE DETAILS.
  7. PROVIDE GRATED DRAIN AND FLOOR WASTE FOR HARD PAVED AREA AND PROPOSED WALKWAY.
  8. PROVIDE SUBSOIL DRAINAGE FOR STRUCTURAL AND LANDSCAPE AS REQUIRED.

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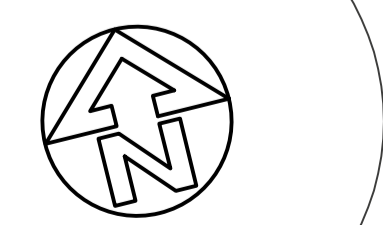
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.
D	RE-ISSUED FOR DA	05.07.22	LY	YK
C	SCHEMATIC DESIGN ISSUE	17.06.22	LY	YK
B	ISSUED FOR REVIEW	02.05.22	MC	MC
A	ISSUED FOR REVIEW	22.04.22	MC	MC

COORDS:	SCALE:
MGA ZONE 56 GDA 2020 DATUM: ALL LEVELS TO A.H.D.	1:250

DATE	BY	FOR
10.01.2022	TSS	SURVEYED
10.01.2022	YK	SURVEY DATE
	A. SUTTON	APPROVED / PROJECT LEADER



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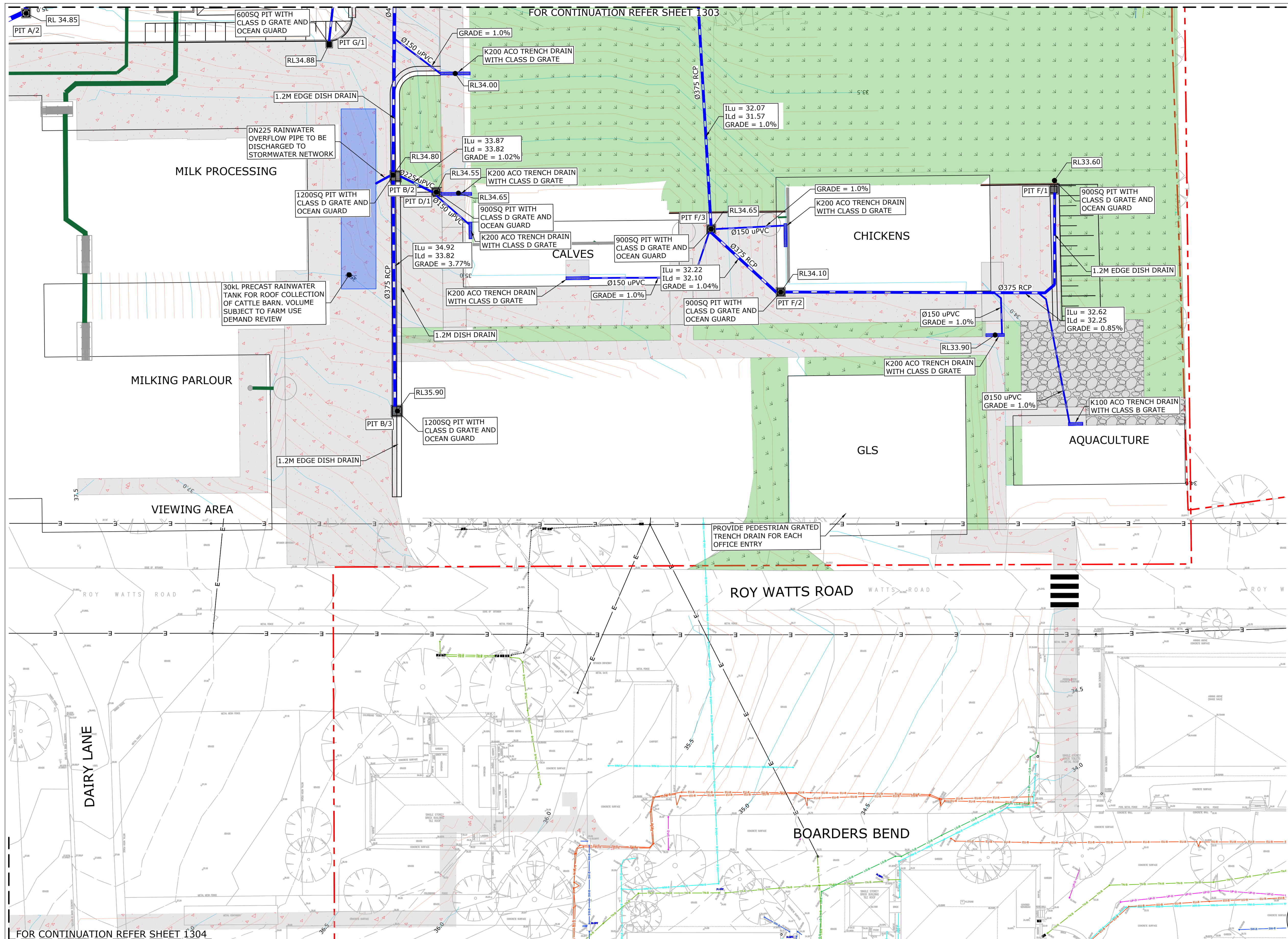


**NOT FOR CONSTRUCTION**

**SCHOOL INFRASTRUCTURE NSW**  
**HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB**  
**ROY WATTS ROAD, GLENFIELD NSW 2167**  
**STORMWATER MANAGEMENT PLAN 1 OF 4**

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1301-SWP.DWG	202061	1301	D





### LEGEND

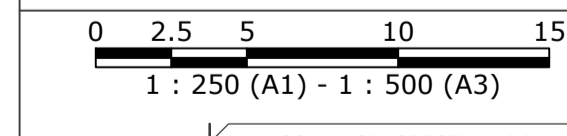
- EXTEND OF WORKS
- PROPOSED PIPE
- GRATED DRAIN
- STORMWATER PIT
- ← OVERLAND FLOW PATH
- HEADWALL
- SCOUR PROTECTION
- EFFLUENT PIPE
- 5.00 MAJOR DESIGN CONTOUR
- 5.10 MINOR DESIGN CONTOUR
- 5.00 MAJOR EXISTING CONTOUR
- 5.10 MINOR EXISTING CONTOUR
- CUMBERLAND FOREST
- GRASSED LINED SWALE

### EXISTING UTILITIES LEGEND

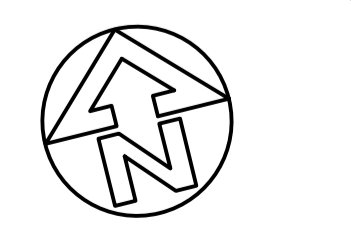
- EU-A-B-C-D ELECTRICITY
- ET-A-B-C-D TRANSMISSION
- TN-A-B-C-D TELECOMMUNICATIONS
- OU-A-B-C-D OPTICAL FIBRE
- LG-A-B-C-D LOW PRESSURE GAS
- WM-A-B-C-D WATER MAIN
- SW-A-B-C-D STORMWATER LINE
- SM-A-B-C-D SEWER MAIN
- UP-A-D UNKNOWN SERVICE
- RETAINING WALL
- NEW CONCRETE PAVEMENT FOR PEDESTRIAN ACCESS ONLY
- COMPACTED SOIL WITH GRAVEL SURFACE
- LANDSCAPE AREA
- BATTER

- NOTE:**
1. PLAN TO BE READ IN CONJUNCTION WITH PROJECT DESIGN REPORT.
  2. CONTRACTOR TO CONFIRM LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AT CC STAGE.
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SHEET SIZE		A1	
COORDS: MGA ZONE 56 GDA 2020 DATUM: ALL LEVELS TO A.H.D.			
SCALE: 1:250			
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	MC MC
A	ISSUED FOR REVIEW	22.04.22	MC MC
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES. DWN.
			A. SUTTON

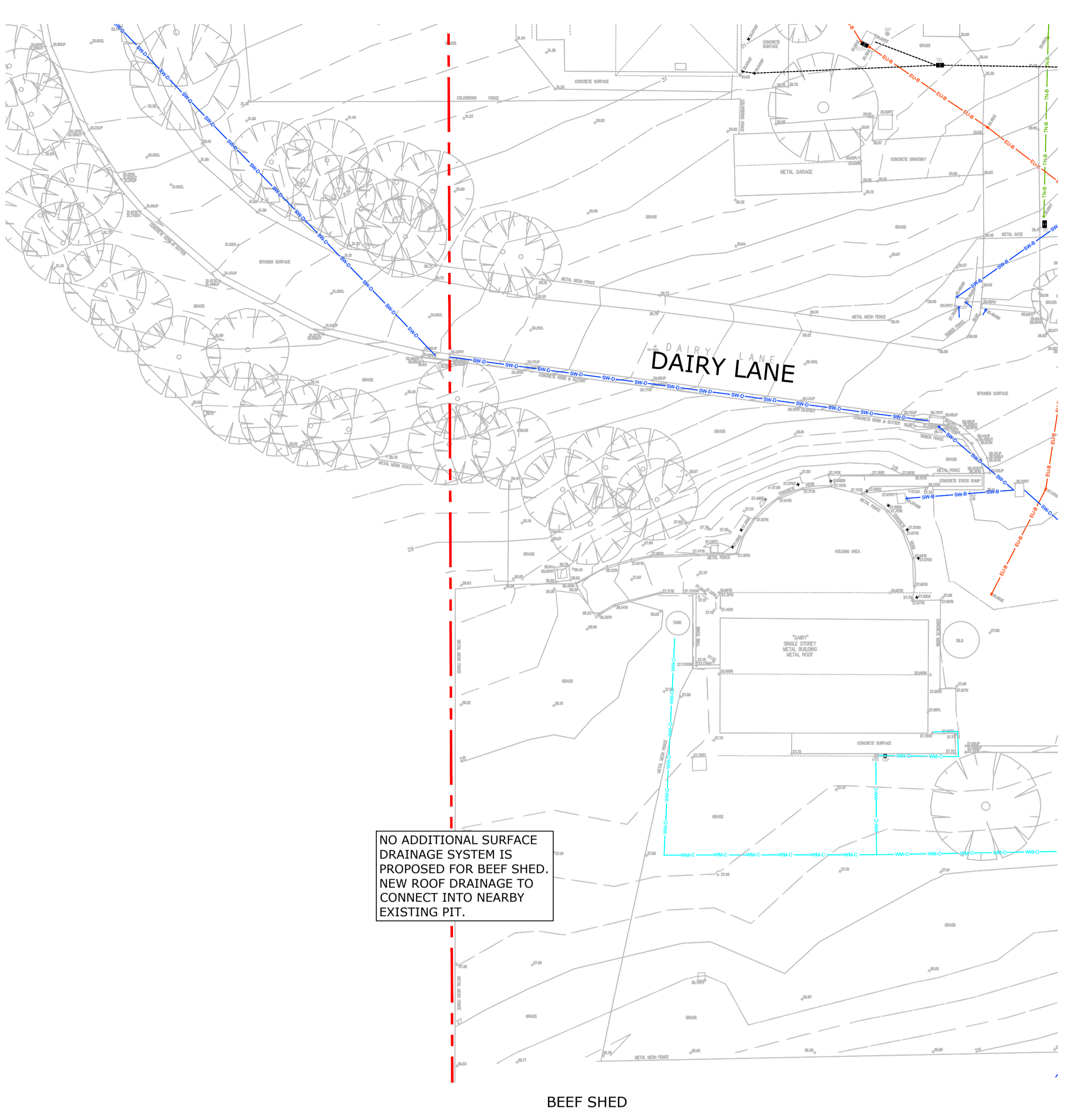
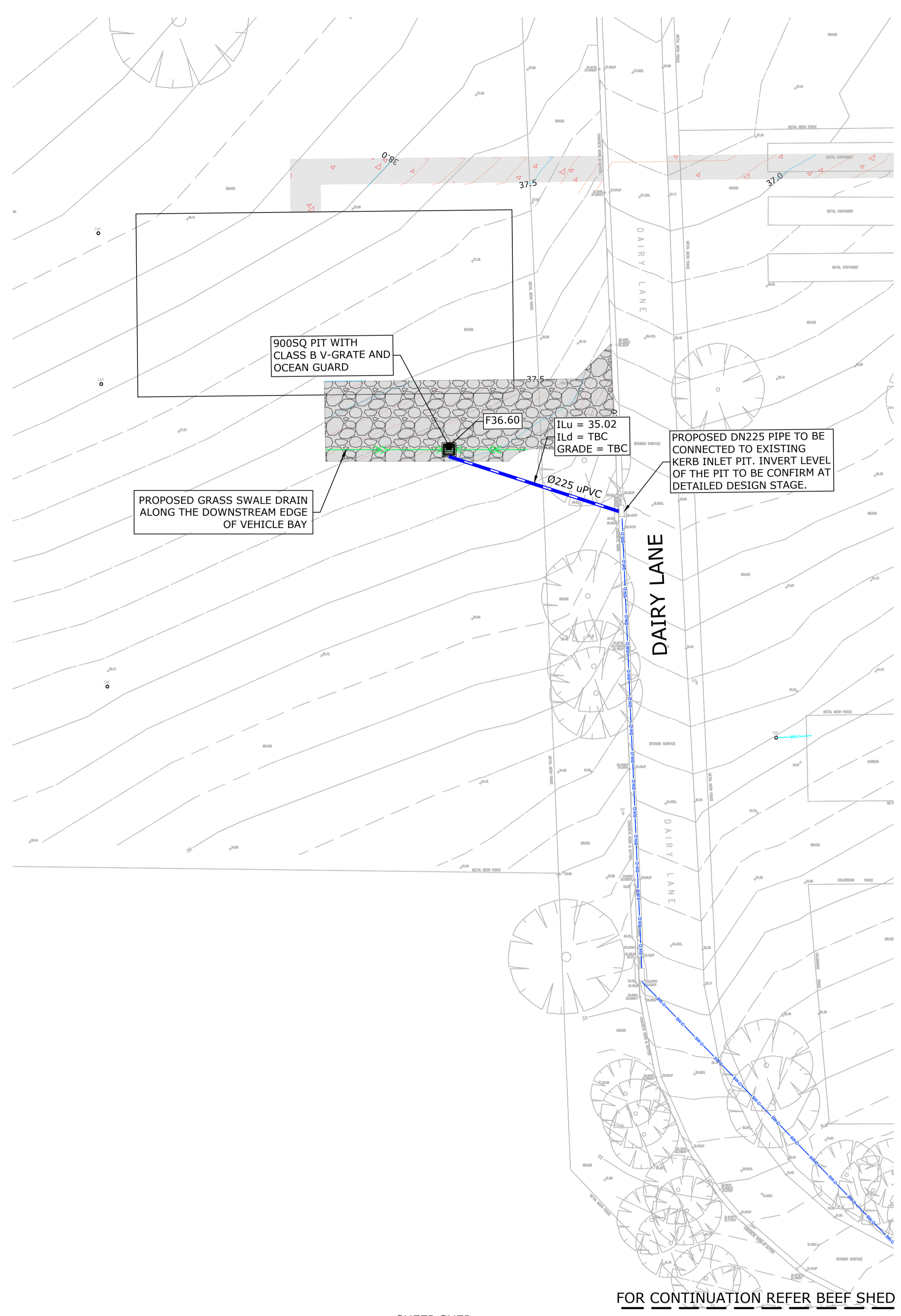


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**NOT FOR CONSTRUCTION**  
SCHOOL INFRASTRUCTURE NSW  
HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB  
ROY WATTS ROAD, GLENFIELD NSW 2167  
STORMWATER MANAGEMENT PLAN 2 OF 4

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1301-SWP.DWG	202061	1302	D

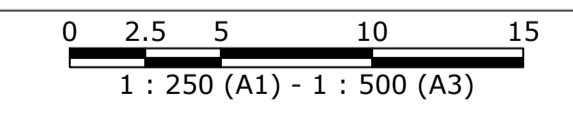


- LEGEND**
- EXTEND OF WORKS
  - PROPOSED PIPE
  - GRATED DRAIN
  - STORMWATER PIT
  - OVERLAND FLOW PATH
  - HEADWALL
  - SCOUR PROTECTION
  - EFFLUENT PIPE
  - MAJOR DESIGN CONTOUR
  - MINOR DESIGN CONTOUR
  - MAJOR EXISTING CONTOUR
  - MINOR EXISTING CONTOUR
  - CUMBERLAND FOREST
  - GRASSED LINED SWALE

- 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
  - SW-A-B-C-D STORMWATER LINE
  - SM-A-B-C-D SEWER MAIN
  - UP-A-D UNKNOWN SERVICE
  - RETAINING WALL
  - NEW CONCRETE PAVEMENT FOR PEDESTRIAN ACCESS ONLY
  - COMPACTED SOIL WITH GRAVEL SURFACE
  - LANDSCAPE AREA
  - BATTER

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

SHEET SIZE  
**A1**

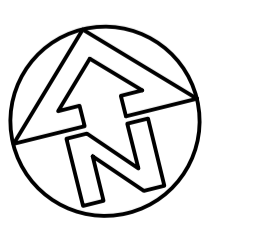
COORDS: MGA ZONE 56 GDA 2020  
DATUM: ALL LEVELS TO A.H.D.

SCALE: 1:250

SURVEYED:TSS  
SURVEY DATE:10.01.2022

APPROVED / PROJECT LEADER

A. SUTTON



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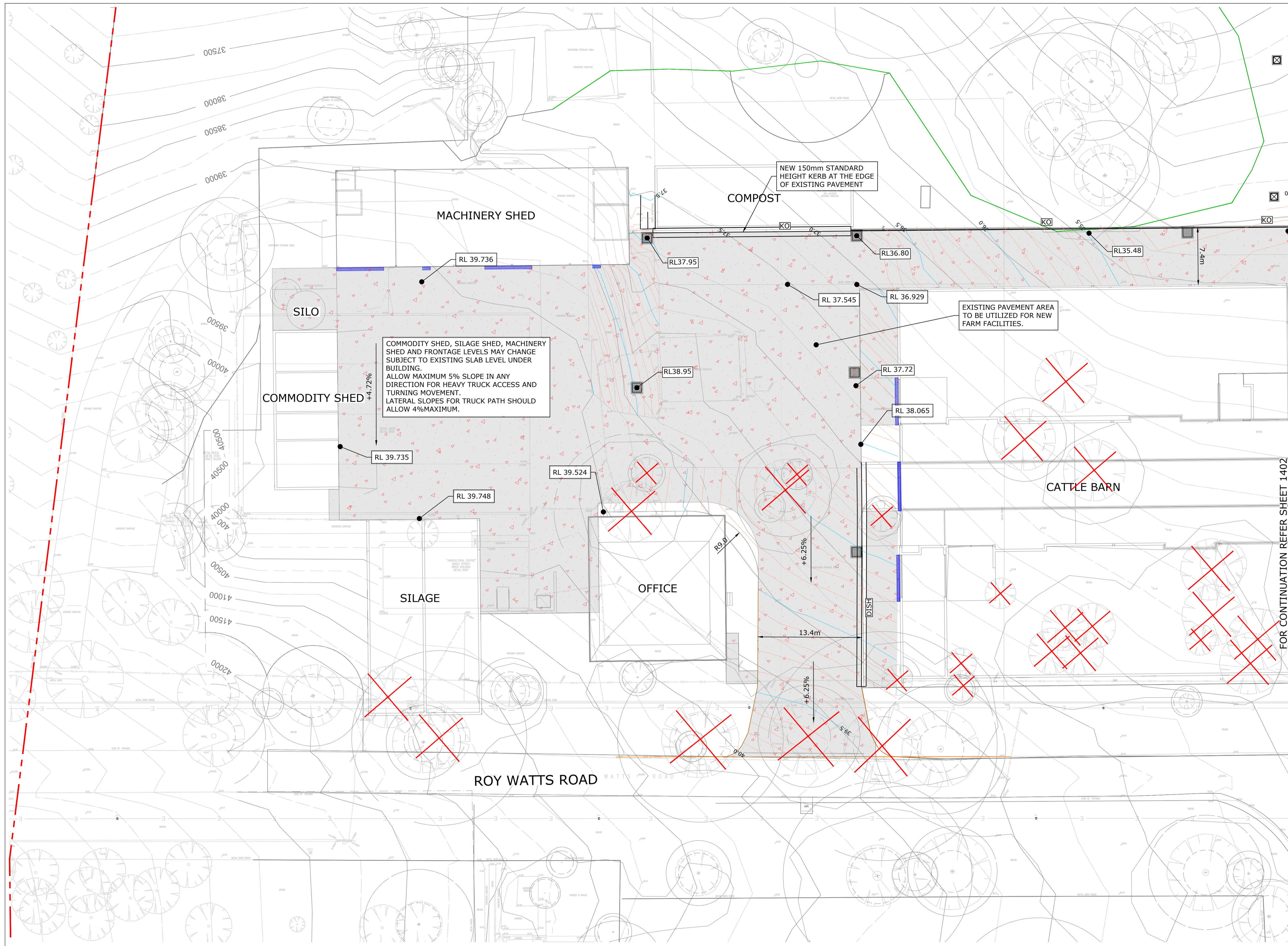


**NOT FOR CONSTRUCTION**

SCHOOL INFRASTRUCTURE NSW

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

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1301-SWP.DWG	202061	1304	D



**LEGEND**

- EXTEND OF WORK
- PROPOSED PIPE
- GRATED DRAIN
- STORMWATER PIT
- KERB ONLY
- CONCRETE DISH DRAIN
- SURFACE SLOPE
- EFFLUENT PIPE
- RETAINING WALL
- NEW CONCRETE PAVEMENT FOR PEDESTRIAN ACCESS ONLY
- COMPACTED SOIL WITH GRAVEL SURFACE
- LANDSCAPE AREA
- BATTER
- TREES TO BE REMOVED
- CUMBERLAND FOREST
- 5.00 MAJOR DESIGN CONTOUR
- 5.10 MINOR DESIGN CONTOUR
- 5.00 MAJOR EXISTING CONTOUR
- 5.10 MINOR EXISTING CONTOUR

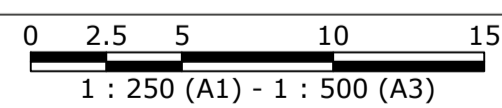
**EXISTING UTILITIES LEGEND**

- 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
- SW-A-B-C-D STORMWATER LINE
- SM-A-B-C-D SEWER MAIN
- UP-A-D UNKNOWN SERVICE

**NOTE:**

1. PLAN TO BE READ IN CONJUNCTION WITH PROJECT DESIGN REPORT.
2. REFER ARCHITECTURAL DRAWINGS FOR DEMOLITION PLAN OF EXISTING STRUCTURES.
3. CONCRETE PAVEMENT DETAIL REFER TO STRUCTURAL SET.

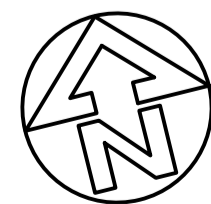
FOR CONTINUATION REFER SHEET 1402



100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

SHEET SIZE  
**A1**

REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.	SCALE: 1:250
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	LY	APPROVED / PROJECT LEADER
A	ISSUED FOR REVIEW	22.04.22	LY	LY	
					A. SUTTON



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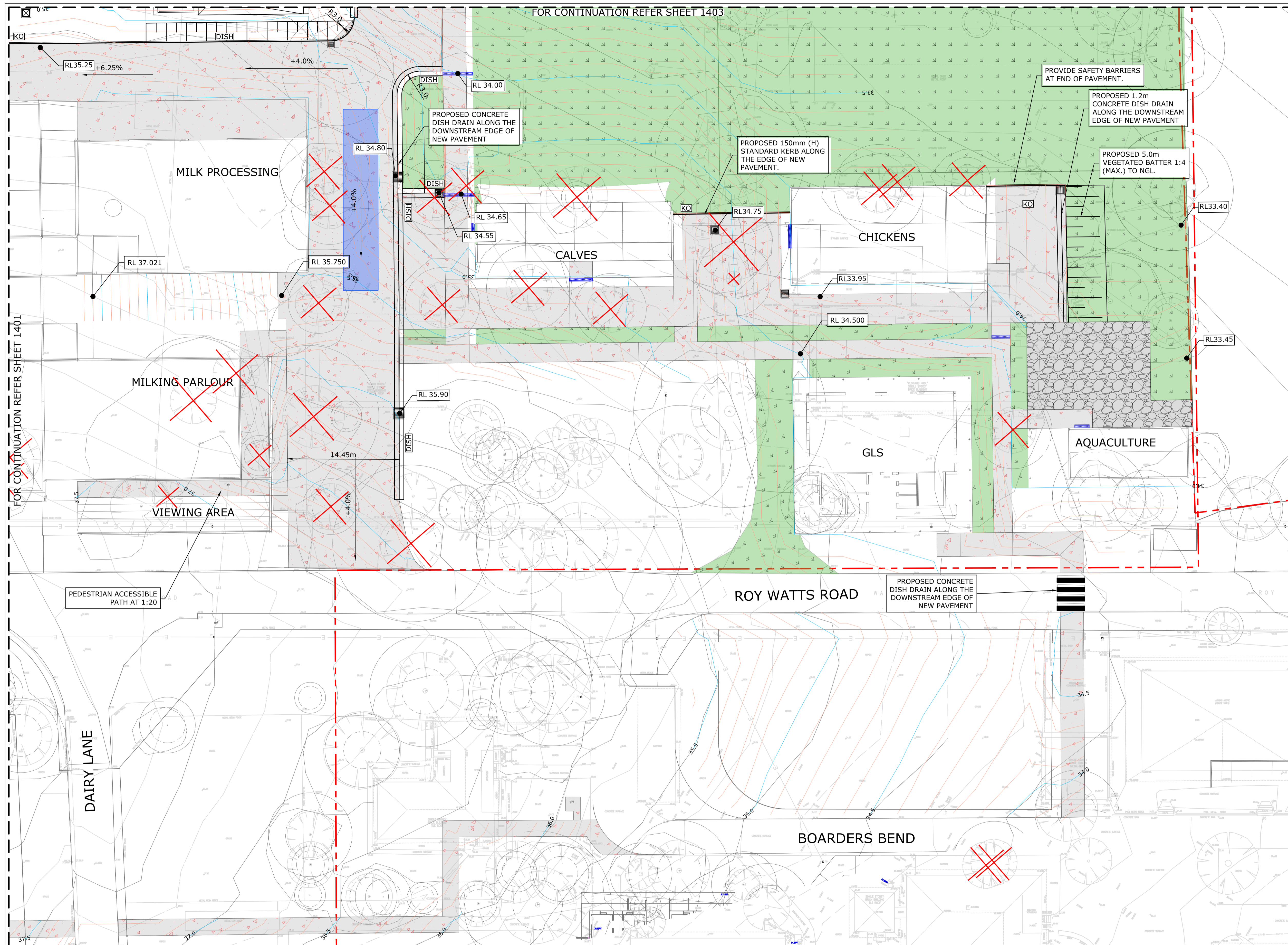


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**SCHOOL INFRASTRUCTURE NSW**  
**HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB**  
**ROY WATTS ROAD, GLENFIELD NSW 2167**  
**SITWORK PLAN SHEET 1 OF 4**

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1401-STW.DWG	202061	1401	D



### LEGEND

- - - - EXTEND OF WORK
- PROPOSED PIPE
- ▬▬▬▬ GRATED DRAIN
- X STORMWATER PIT
- KO KERB ONLY
- DISH CONCRETE DISH DRAIN
- - - - SURFACE SLOPE
- EFFLUENT PIPE
- RETAINING WALL
- NEW CONCRETE PAVEMENT FOR PEDESTRIAN ACCESS ONLY
- COMPACTED SOIL WITH GRAVEL SURFACE
- LANDSCAPE AREA
- BATTER
- X TREES TO BE REMOVED
- MAJOR DESIGN CONTOUR
- MINOR DESIGN CONTOUR
- MAJOR EXISTING CONTOUR
- - - - MINOR EXISTING CONTOUR

### EXISTING UTILITIES LEGEND

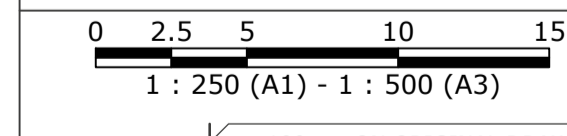
- X- EU-A-B-C-D ELECTRICITY
- X- ET-A-B-C-D TRANSMISSION
- X- TN-A-B-C-D TELECOMMUNICATIONS
- X- OU-A-B-C-D OPTICAL FIBRE
- X- LG-A-B-C-D LOW PRESSURE GAS
- X- WM-A-B-C-D WATER MAIN
- X- SW-A-B-C-D STORMWATER LINE
- X- SM-A-B-C-D SEWER MAIN
- X- UP-A-D UNKNOWN SERVICE

- NOTE:**
1. PLAN TO BE READ IN CONJUNCTION WITH PROJECT DESIGN REPORT.
  2. REFER ARCHITECTURAL DRAWINGS FOR DEMOLITION PLAN OF EXISTING STRUCTURES.
  3. CONCRETE PAVEMENT DETAIL REFER TO STRUCTURAL SET.

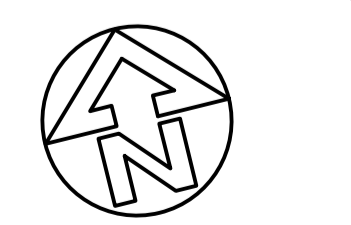
FOR CONTINUATION REFER SHEET 1401

FOR CONTINUATION REFER SHEET 1403

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SHEET SIZE		COORDS: MGA ZONE 56 GDA 2020		DATE		DES.		DWN.	
<b>A1</b>		DATUM: ALL LEVELS TO A.H.D.		SCALE: 1:250		SURVEYED:TSS		SURVEY DATE:10.01.2022	
				APPROVED / PROJECT LEADER		A. SUTTON			
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	LY					
A	ISSUED FOR REVIEW	22.04.22	LY	LY					
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.					



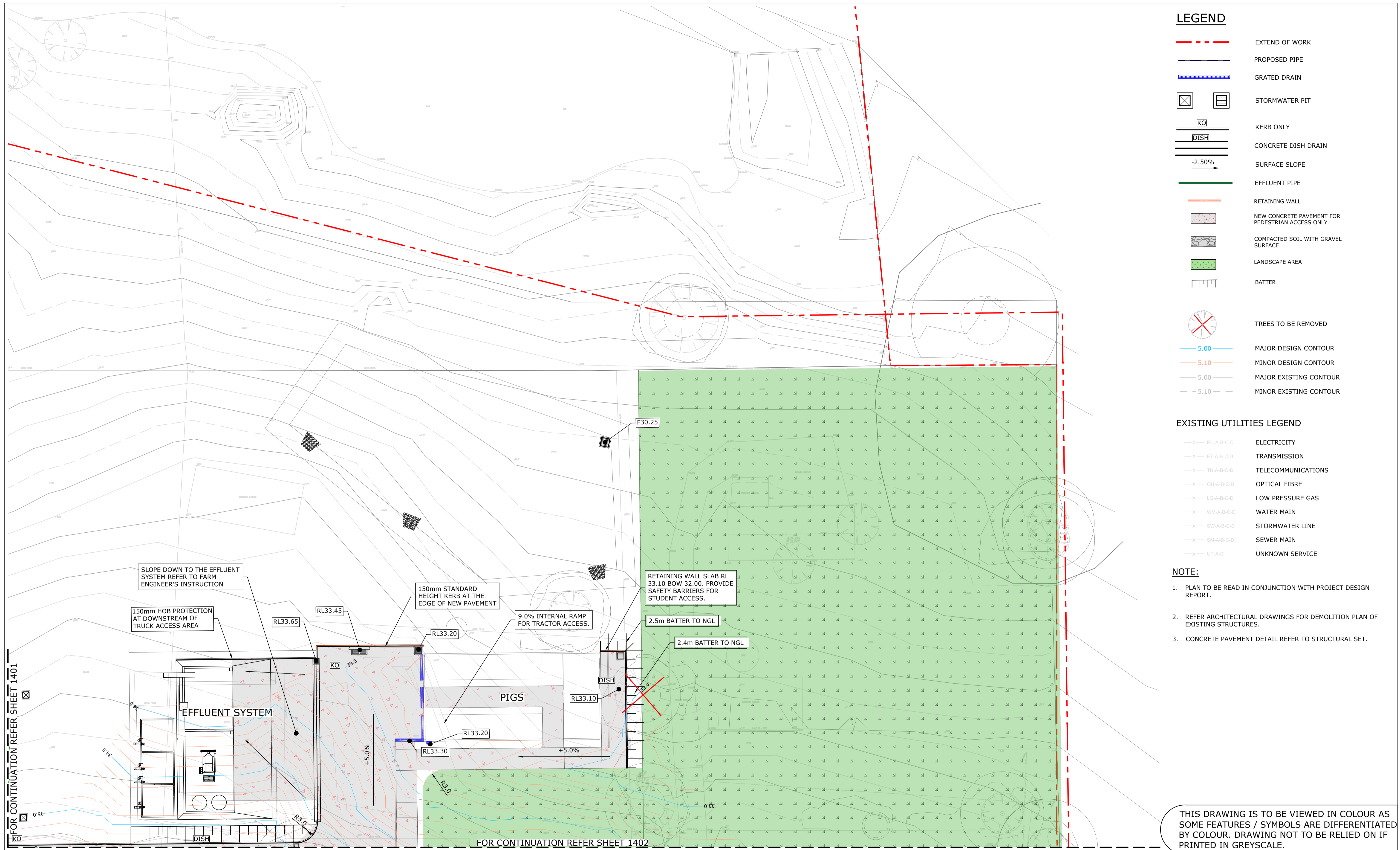
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**NOT FOR CONSTRUCTION**

**SCHOOL INFRASTRUCTURE NSW**  
HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB  
ROY WATTS ROAD, GLENFIELD NSW 2167  
SITWORK PLAN SHEET 2 OF 4

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1401-STW.DWG	202061	1402	D



**LEGEND**

- - - - - EXTEND OF WORK
- PROPOSED PIPE
- ▬▬▬▬▬▬ GRATED DRAIN
- ☒ ☒ STORMWATER PIT
- KO KERB ONLY
- DISH CONCRETE DISH DRAIN
- 2.50% SURFACE SLOPE
- EFFLUENT PIPE
- RETAINING WALL
- NEW CONCRETE PAVEMENT FOR PEDESTRIAN ACCESS ONLY
- COMPACTED SOIL WITH GRAVEL SURFACE
- LANDSCAPE AREA
- BATTER
- X TREES TO BE REMOVED
- 5.00 MAJOR DESIGN CONTOUR
- 5.10 MINOR DESIGN CONTOUR
- 5.00 MAJOR EXISTING CONTOUR
- - - - - 5.10 MINOR EXISTING CONTOUR

**EXISTING UTILITIES LEGEND**

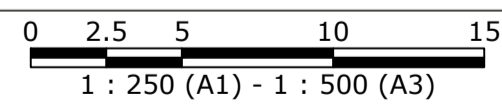
- X — EU-A-B-C-D ELECTRICITY
- X — ET-A-B-C-D TRANSMISSION
- X — TN-A-B-C-D TELECOMMUNICATIONS
- X — OU-A-B-C-D OPTICAL FIBRE
- X — LG-A-B-C-D LOW PRESSURE GAS
- X — WM-A-B-C-D WATER MAIN
- X — SW-A-B-C-D STORMWATER LINE
- X — SM-A-B-C-D SEWER MAIN
- X — UP-A-D UNKNOWN SERVICE

**NOTE:**

1. PLAN TO BE READ IN CONJUNCTION WITH PROJECT DESIGN REPORT.
2. REFER ARCHITECTURAL DRAWINGS FOR DEMOLITION PLAN OF EXISTING STRUCTURES.
3. CONCRETE PAVEMENT DETAIL REFER TO STRUCTURAL SET.

FOR CONTINUATION REFER SHEET 1401

FOR CONTINUATION REFER SHEET 1402

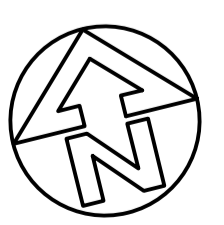


REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.
D	RE-ISSUED FOR DA	05.07.22	LY	YK
C	SCHEMATIC DESIGN ISSUE	17.06.22	LY	YK
B	ISSUED FOR REVIEW	02.05.22	LY	LY
A	ISSUED FOR REVIEW	22.04.22	LY	LY

**SHEET SIZE**  
**A1**

COORDS: MGA ZONE 56 GDA 2020  
DATUM: ALL LEVELS TO A.H.D.  
SCALE: 1:250

SURVEYED: TSS  
SURVEY DATE: 10.01.2022  
APPROVED / PROJECT LEADER  
**A. SUTTON**



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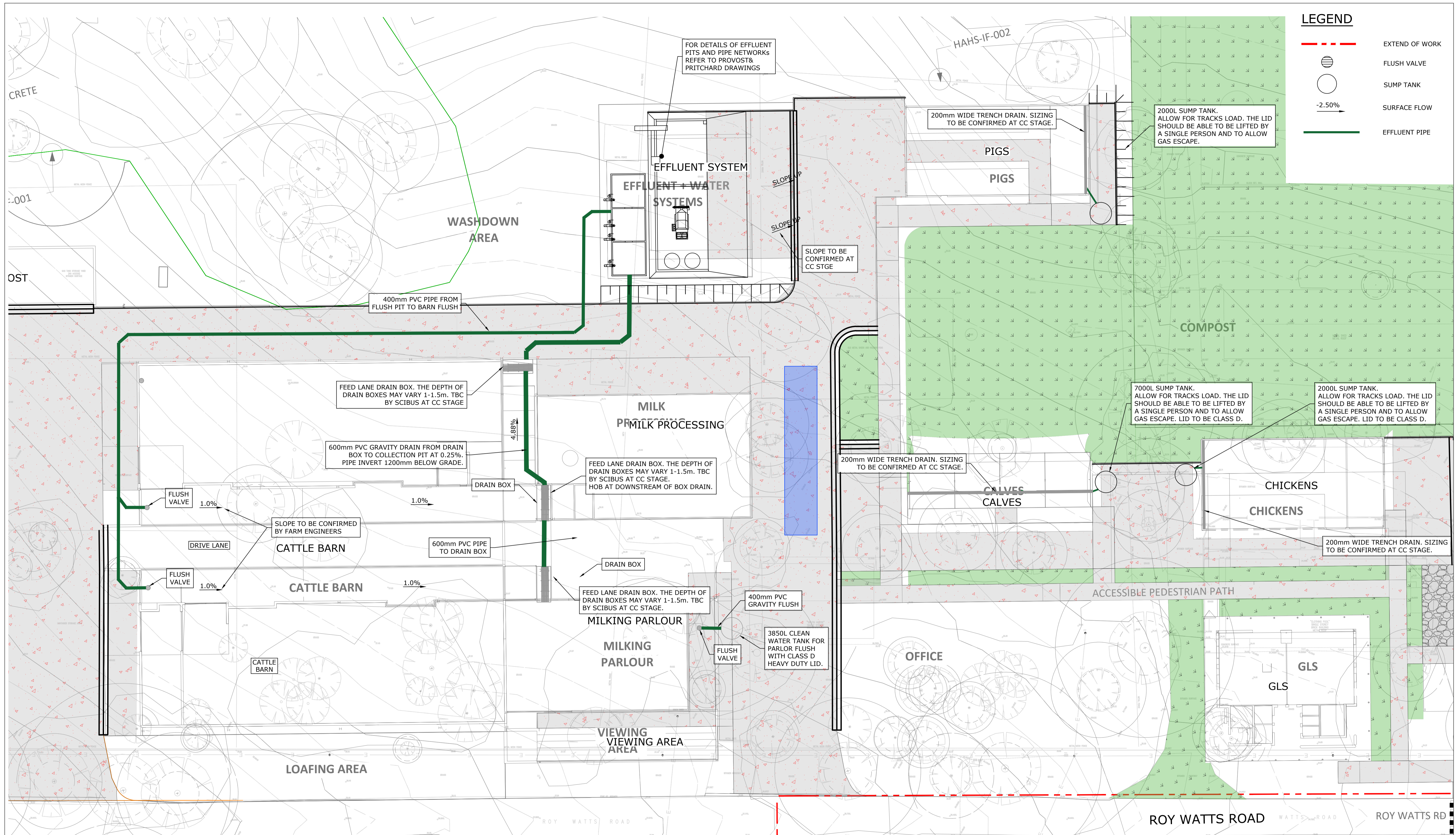
**NOT FOR CONSTRUCTION**

**SCHOOL INFRASTRUCTURE NSW**

**HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB**  
**ROY WATTS ROAD, GLENFIELD NSW 2167**  
**SITWORK PLAN SHEET 3 OF 4**

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1401-STW.DWG	202061	1403	D

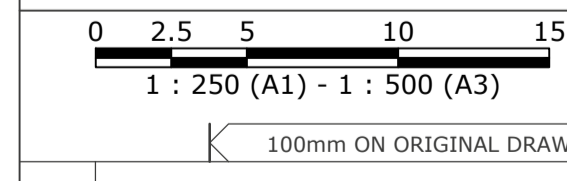




**LEGEND**

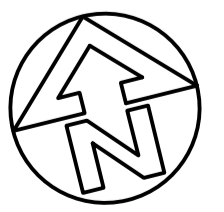
- - - EXTEND OF WORK
- FLUSH VALVE
- SUMP TANK
- SURFACE FLOW
- EFFLUENT PIPE

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**

COORDS: MGA ZONE 56 GDA 2020 DATUM: ALL LEVELS TO A.H.D.			
SCALE: 1:250			
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 LY
A	ISSUED FOR REVIEW	22.04.22	LY LY
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES. DWN.
			A. SUTTON

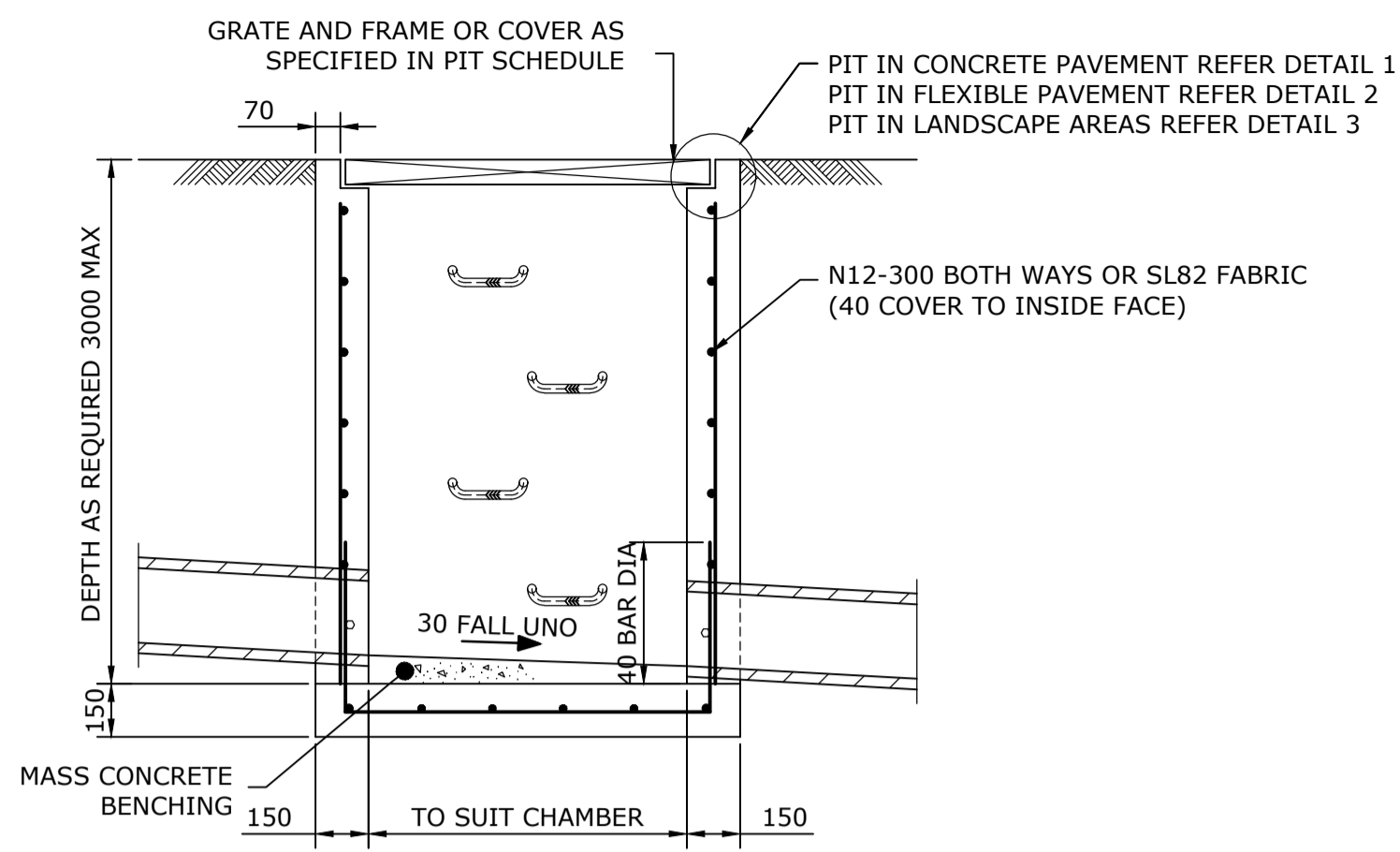


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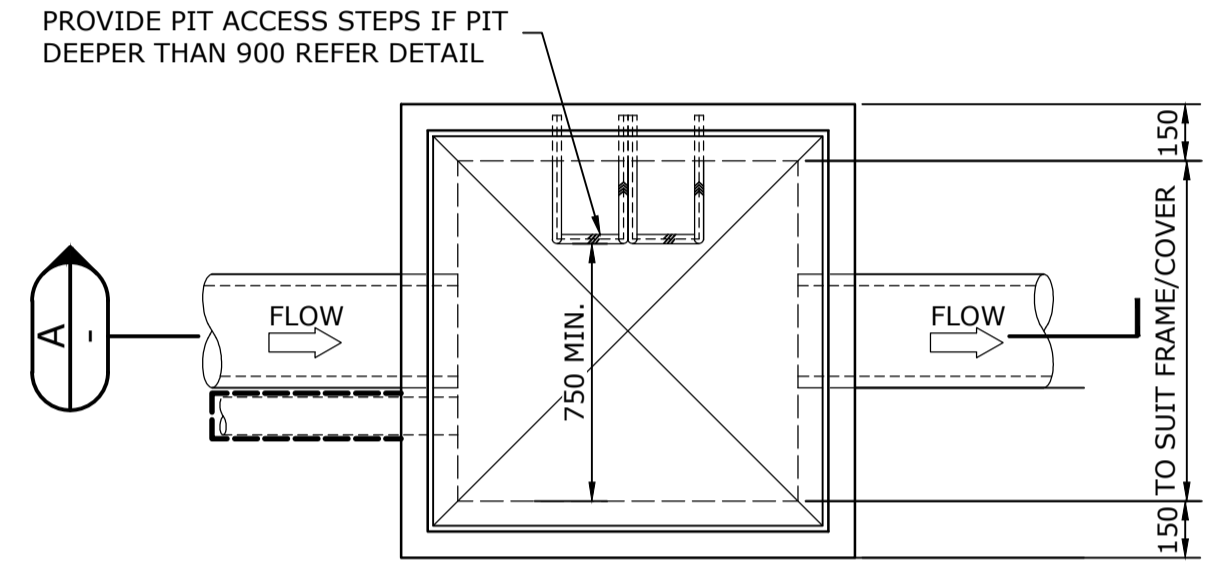


**NOT FOR CONSTRUCTION**  
SCHOOL INFRASTRUCTURE NSW  
HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB  
ROY WATTS ROAD, GLENFIELD NSW 2167  
EFFLUENT SKETCH

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1501-EFF.DWG	202061	1501	D

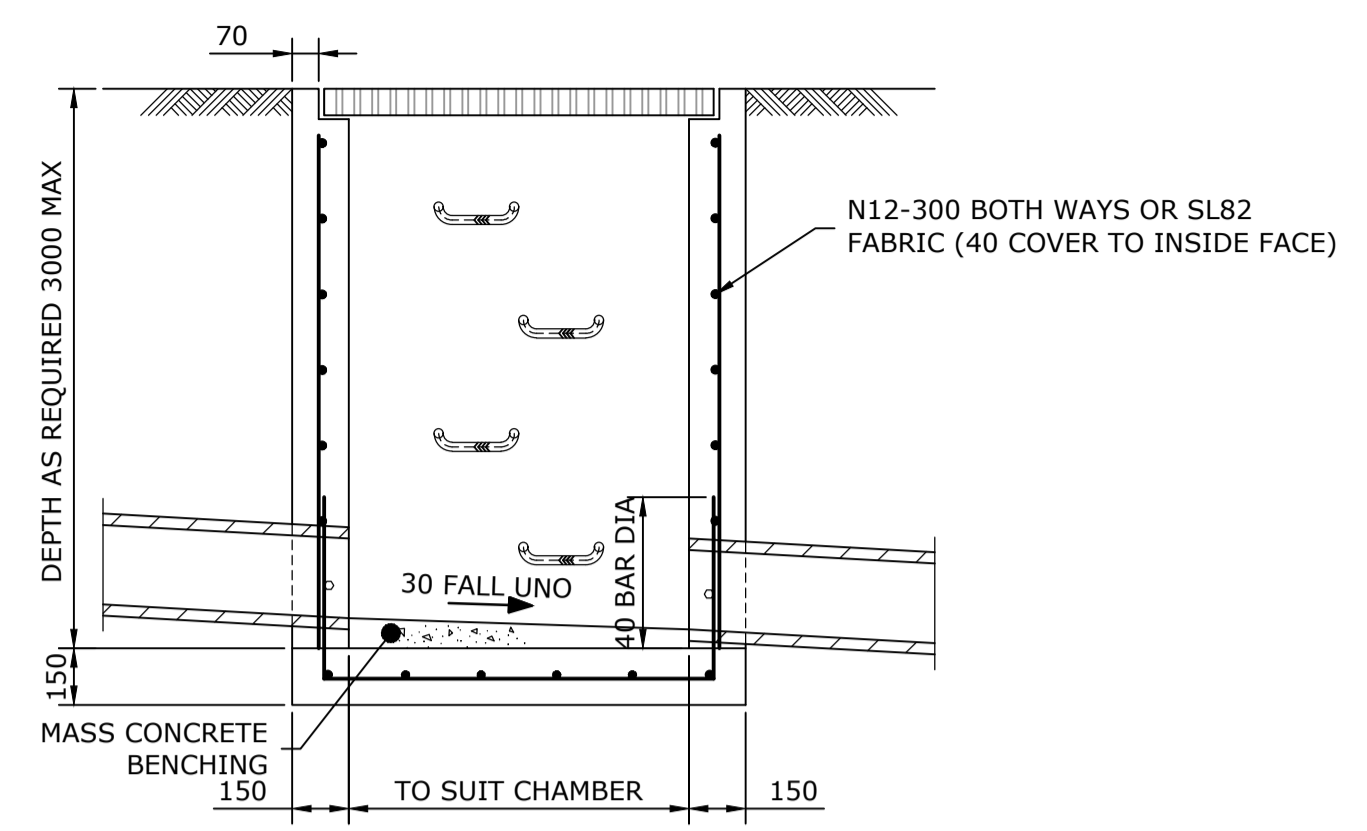


**SECTION A**  
SCALE 1:20  
NOTE: IF REINFORCING FABRIC IS TO BE USED REFER TO WALL AND CORNER DETAILS



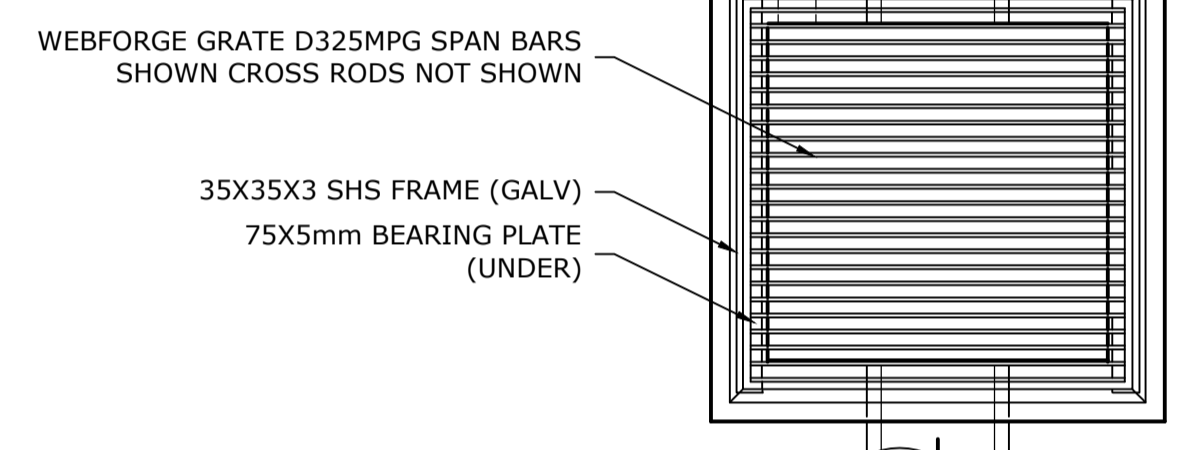
100 DIA x 3000 LONG SUBSOIL DRAINAGE STUB SURROUNDED WITH 100mm OF NOM 20mm COARSE FILTER MATERIAL WRAPPED IN GEOTEXTILE FILTER FABRIC (BIDIM A24 OR SIMILAR) TO EACH INLET PIPE

**PLAN**  
SCALE 1:20  
**TYPICAL DETAIL JUNCTION PIT**



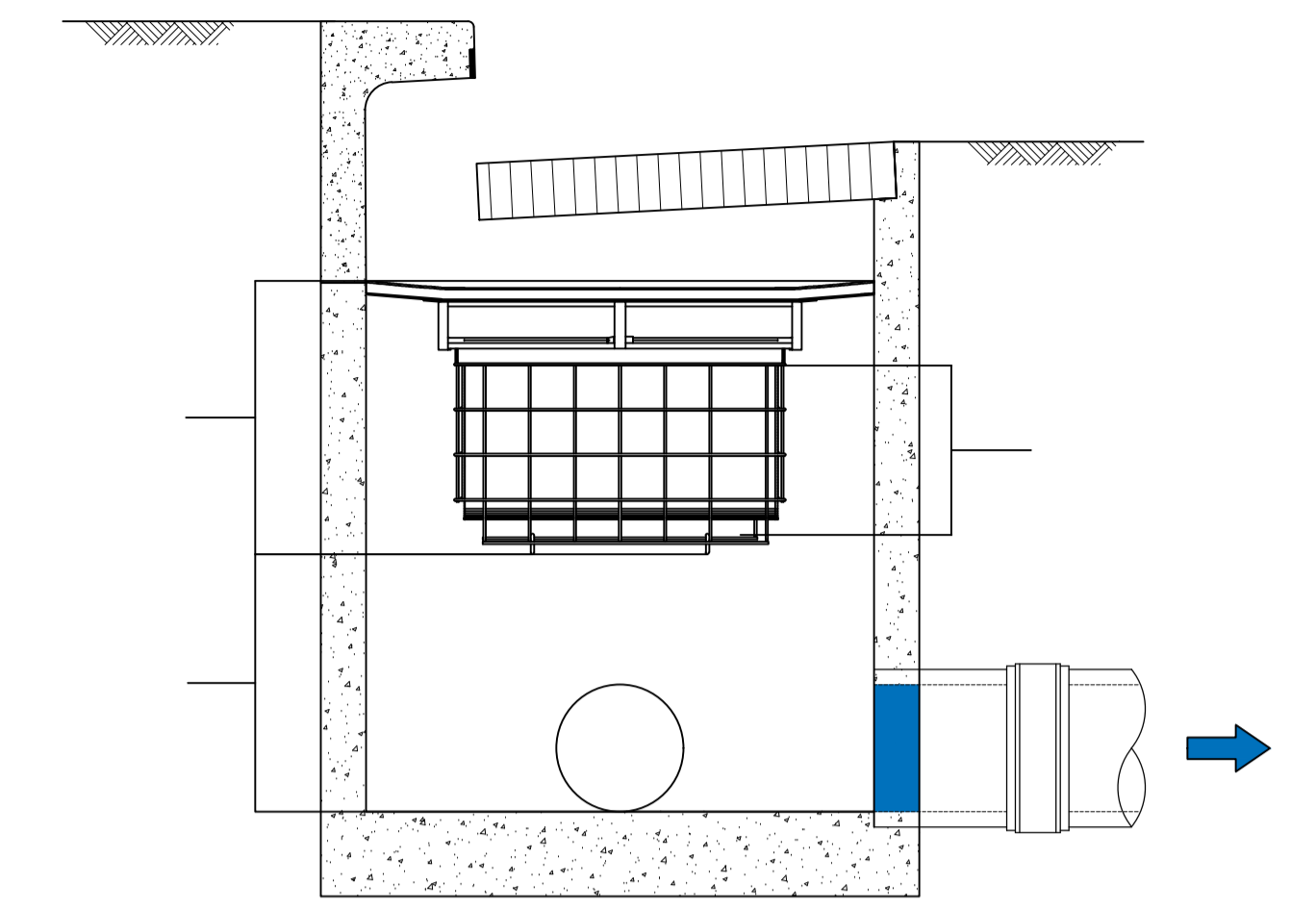
**SECTION B**  
SCALE 1:20  
NOTE: IF REINFORCING FABRIC IS TO BE USED REFER TO WALL AND CORNER DETAILS

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

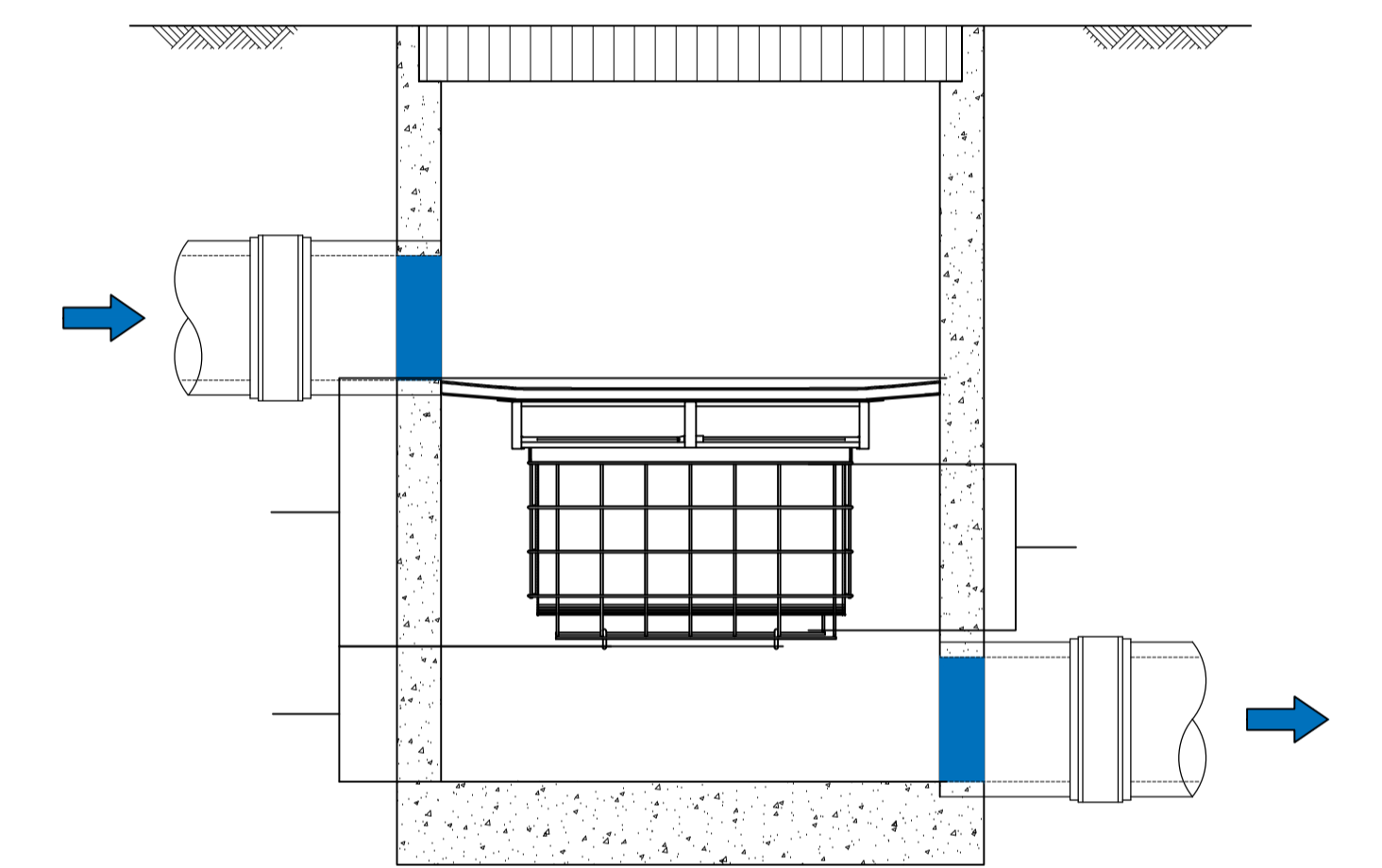


**PLAN**  
SCALE 1:20  
**TYPICAL DETAIL GRATED INLET PIT**

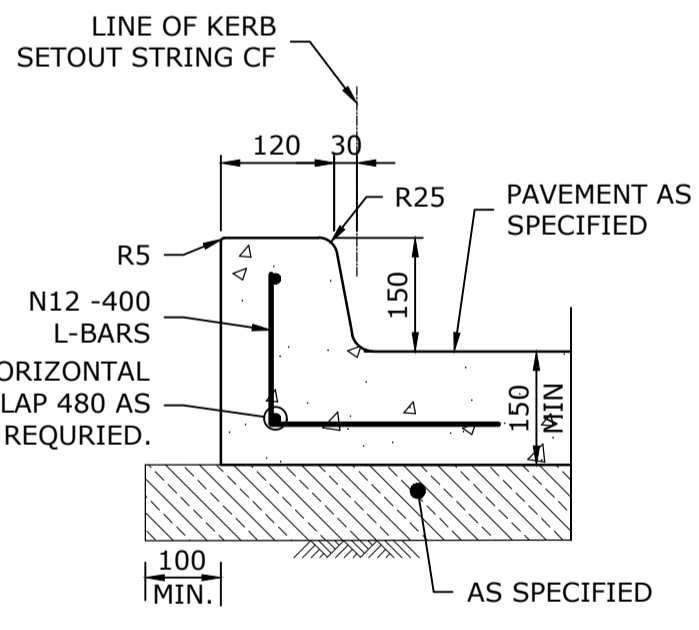
- NOTE:**
1. ALL EXPOSED METAL SURFACES SHALL BE HOT DIP GALVANISED AFTER FABRICATION.
  2. MINIMUM FABRIC LAP 300mm.



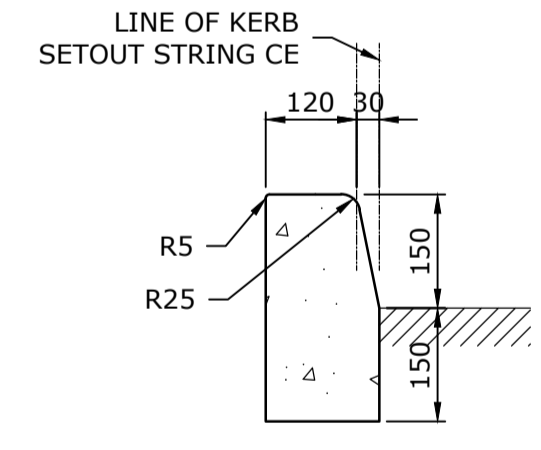
**SURFACE FLOW CONFIGURATION**



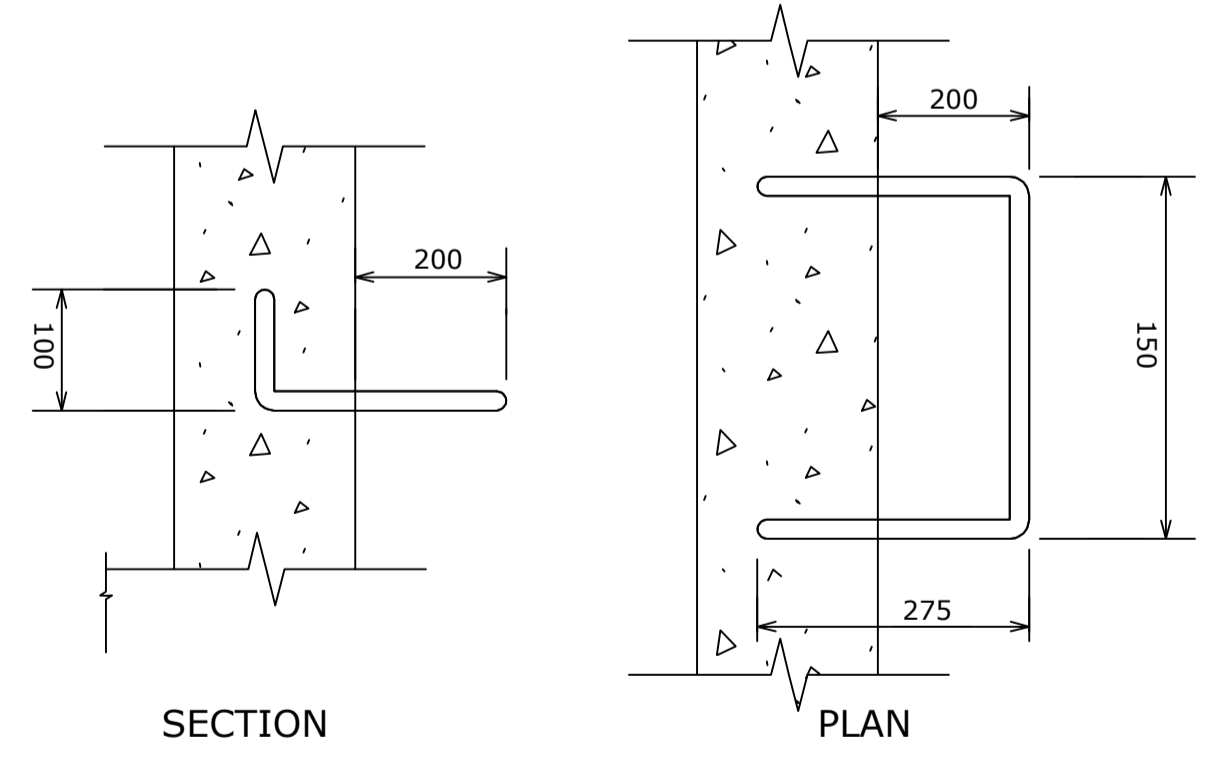
**PIPE FLOW CONFIGURATION FILTER BASKET DETAIL**



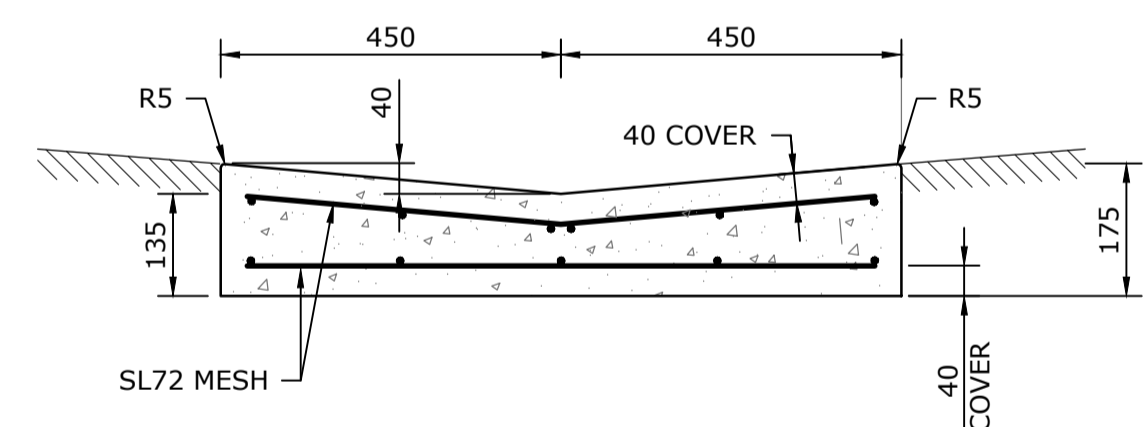
**TYPICAL STANDARD KERB & GUTTER (K&G)**  
SCALE 1 : 10  
PROVIDE EXPANSION JOINT AT MAX. 3m CTRS



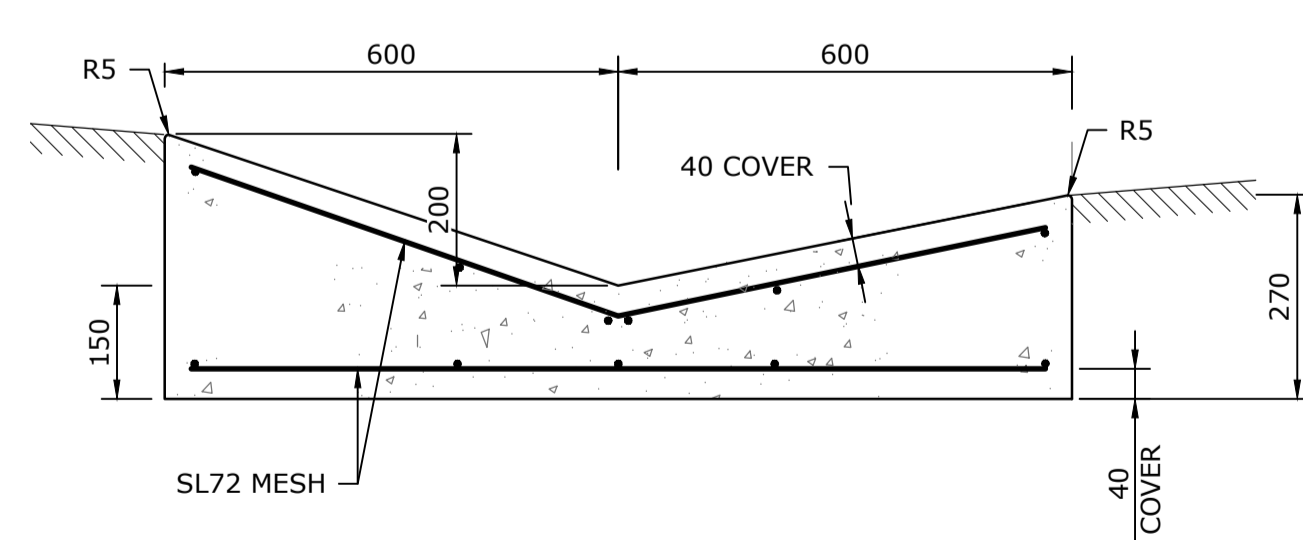
**KERB ONLY (KO)**  
SCALE 1 : 10  
PROVIDE EXPANSION JOINT AT MAX. 3m CTRS



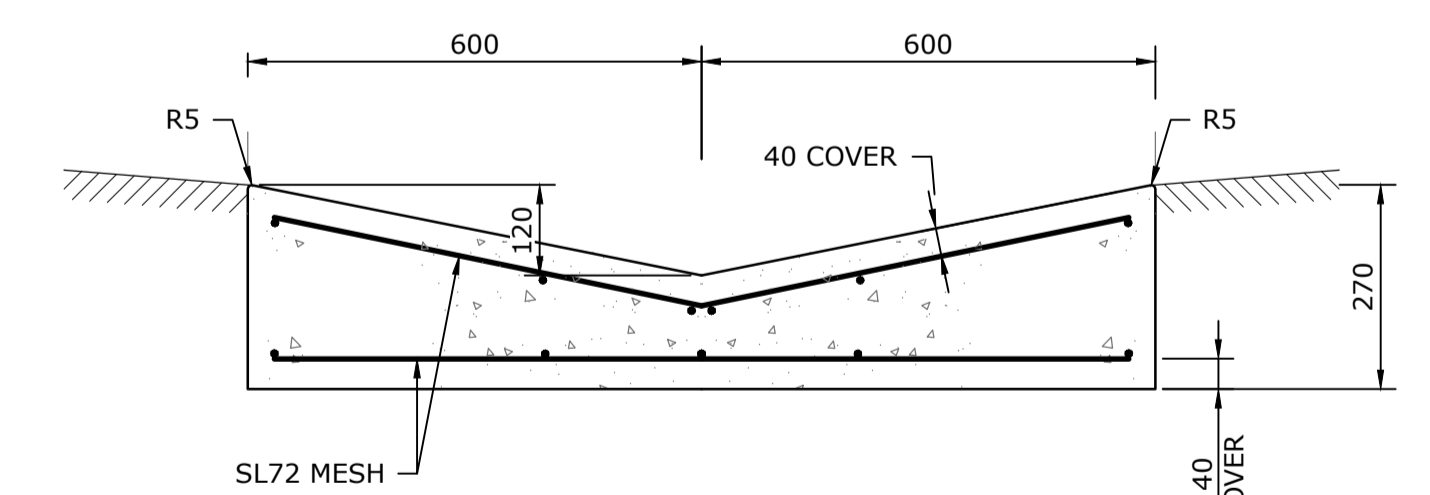
**STEP IRONS**  
NOT TO SCALE



**900mm DISH DRAIN**  
SCALE 1 : 10



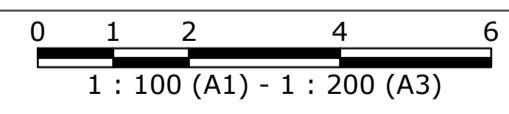
**1200mm EDGE DISH DRAIN**  
SCALE 1 : 10



**1200mm DISH DRAIN**  
SCALE 1 : 10

**NOTE:**  
REFER TO STRUCTURAL DRAWING SET FOR STRUCTURES AND CONCRETE PAVEMENT PROFILES, JOINTING AND DETAILS

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SHEET SIZE  
**A1**

				COORDS: MGA ZONE 56 GDA 2020 DATUM: ALL LEVELS TO A.H.D.
				SCALE: AS SHOWN
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	MC MC	APPROVED / PROJECT LEADER
A	ISSUED FOR REVIEW	22.04.22	MC MC	
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.
				A. SUTTON

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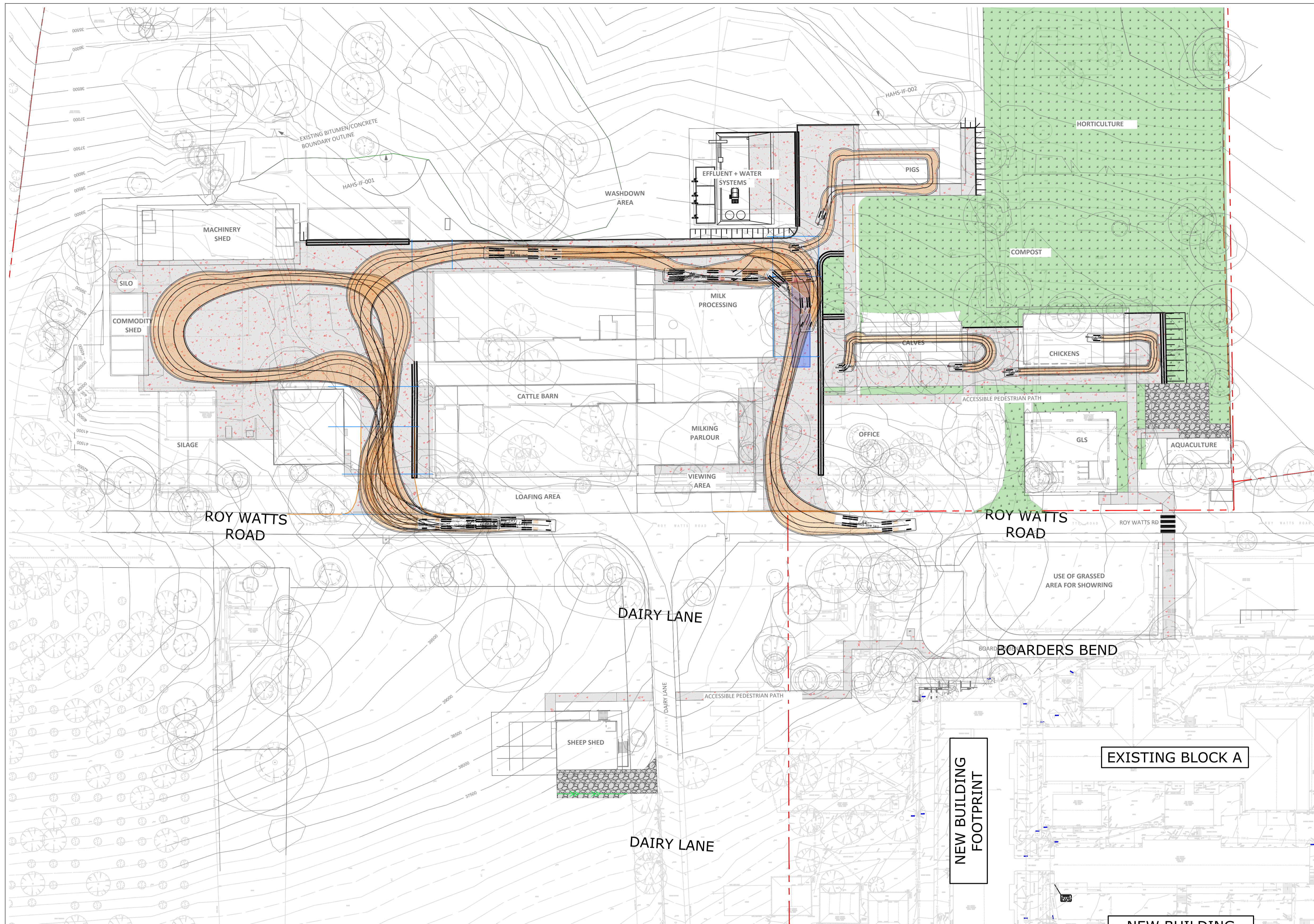
tonkin.com.au

**NOT FOR CONSTRUCTION**

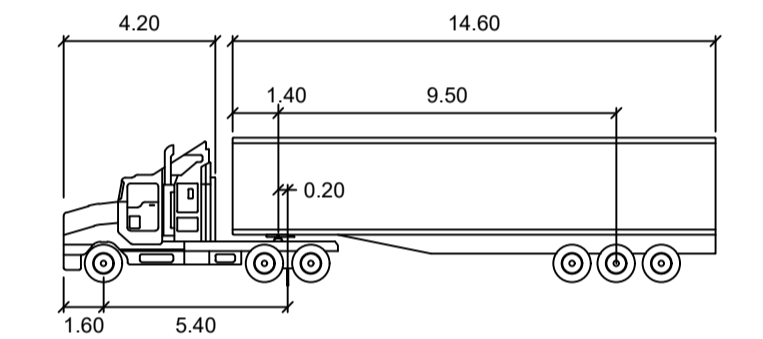
**SCHOOL INFRASTRUCTURE NSW**  
**HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB**  
**ROY WATTS ROAD, GLENFIELD NSW 2167**  
**DETAILS SHEET 2 OF 2**

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1602-DET.DWG	202061	1602	D

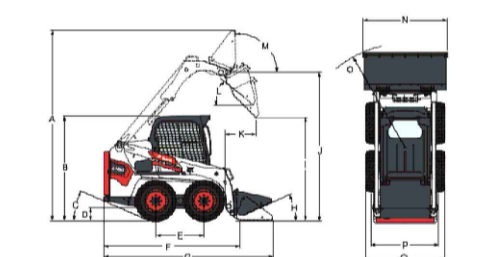




**DESIGN VEHICLES**



AV		Lock to Lock Time	Steering Angle	Articulating Angle
Tractor Width	: 2.50	: 6.0	: 28.3	: 72.0
Tractor Track	: 2.50			
Trailer Track	: 2.50			

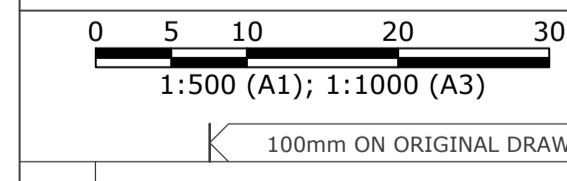


(A)	3558.0 mm	(I)	2157.0 mm
(B)	1975.0 mm	(J)	2181.0 mm
(C)	23.0°	(K)	567.0 mm
(D)	214.0 mm	(L)	40.0°
(E)	900.0 mm	(M)	91.0°
(F)	2499.0 mm	(N)	1575.0 mm
(G)	3172.0 mm	(O)	1940.6 mm
(H)	28.0°		

BOBCAT S450

**VEHICLE TURNING MOVEMENT**  
 - 19m ARTICULATED VEHICLE  
 - BOBCAT S450

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REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.
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	LY
A	ISSUED FOR REVIEW	22.04.22	LY	LY

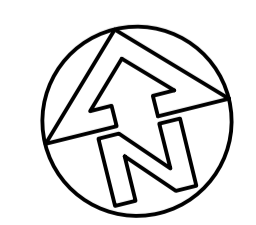
SHEET SIZE  
**A1**

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

SCALE: AS SHOWN

SURVEYED:TSS  
 SURVEY DATE:10.01.2022

APPROVED / PROJECT LEADER  
 A. SUTTON



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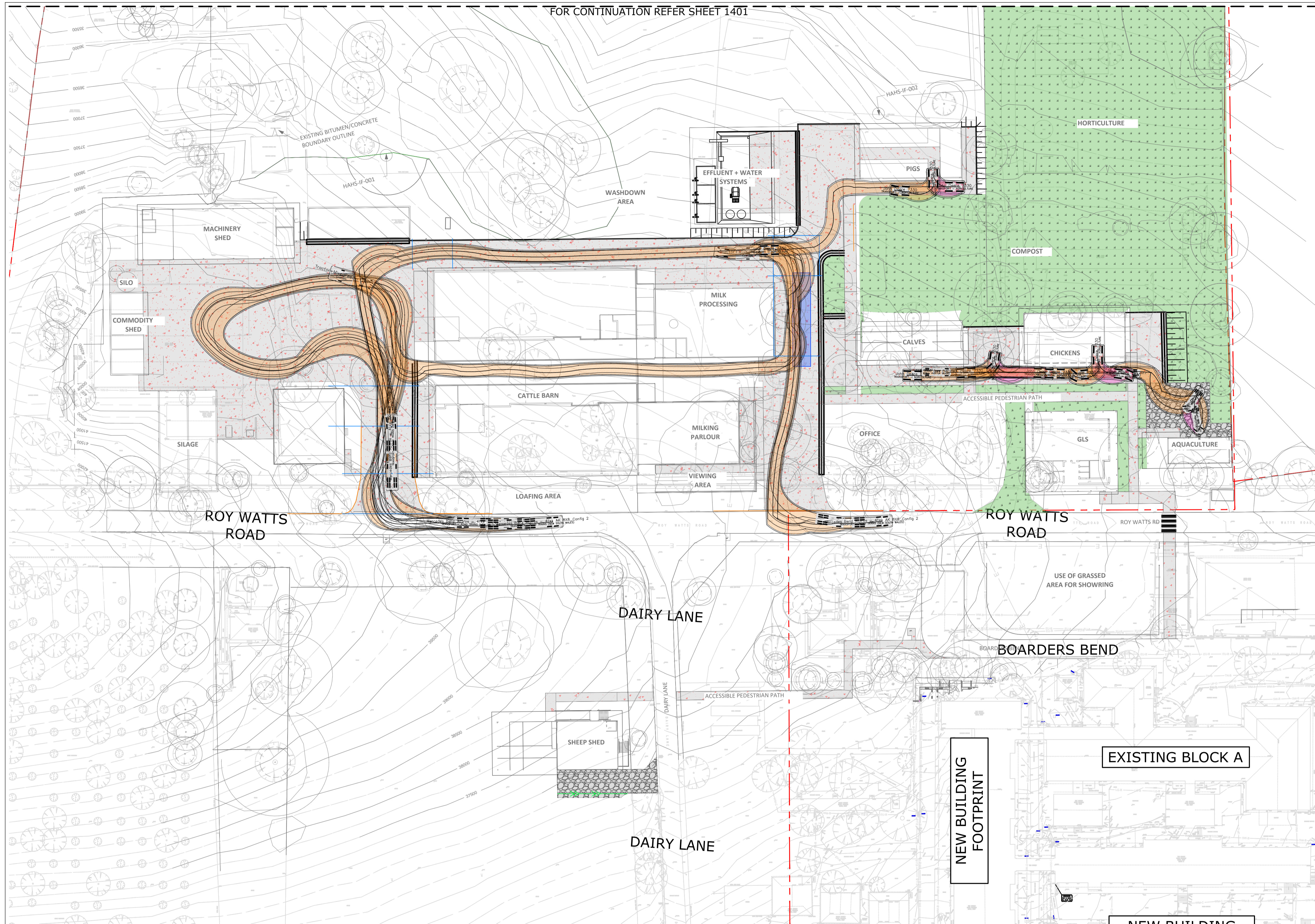
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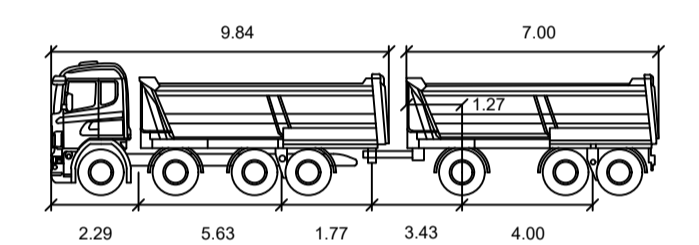
**NOT FOR CONSTRUCTION**

SCHOOL INFRASTRUCTURE NSW  
 HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB  
 ROY WATTS ROAD, GLENFIELD NSW 2167  
 SWEPT PATH PLAN SHEET 1 OF 4

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1703-SEW.DWG	202061	1701	D



DESIGN VEHICLES

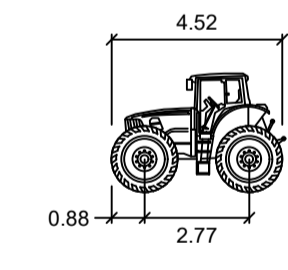


Mercedes Benz Actros - 41xx AK 8X8, Config 2

2.29	5.63	1.77	3.43	4.00
meters				
First Unit Width	: 2.50	Lock to Lock Time	: 6.0	
Trailer Width	: 2.50	Steering Angle	: 47.8	
First Unit Track	: 2.45	Articulating Angle	: 70.0	
Trailer Track	: 2.45			

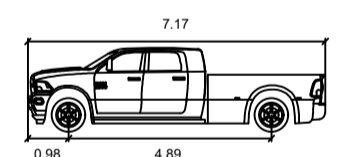
FEED MIXER (TRAILER)

Model	Max. Load (kg)	Capacity (m³)	Power required (kW)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	Roller Type	Grease Height (mm)
2MF-140	4900	14	80/90	7600	2600					5300/2450										2250	21575/8173	7000
2MF-170	6000	17	95/10	7800	3300					5300/2550										2250	21575/8173	7000
2MF-200	7000	20	110/80	7700	3900	7715	795	740	440	5600/2700	875	2500	1100	1400	480					2250	21575/8173	7000
2MF-230	7700	22	120/88	7700	4700	7715				5700/2850										2250	21575/8173	8000
2MF-240	8400	24	140/95	7800	5200					5700/2900										2250	21575/8173	8000



John Deere 7330

Width	: 2.56
Track	: 2.56
Lock to Lock Time	: 6.0
Steering Angle	: 37.5



RAM 5500 Crew Cab 2017

Width	: 2.00
Track	: 2.00
Lock to Lock Time	: 6.0
Steering Angle	: 40.0

- VEHICLE TURNING MOVEMENT**
- 19M B-DOUBLE VEHICLE
  - TRACTOR + MIXER FEEDER (2MF 240)
  - TRACTOR JOHN DEERE 7330
  - PICK-UP TRUCK (UTE) RAM 5500

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0 5 10 20 30  
1:500 (A1); 1:1000 (A3)  
100mm ON ORIGINAL DRAWING - DO NOT SCALE DRAWING

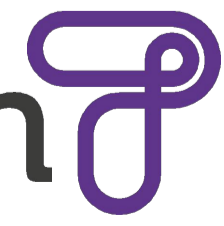
SHEET SIZE  
**A1**

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

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	LY	APPROVED / PROJECT LEADER
A	ISSUED FOR REVIEW	22.04.22	LY	LY	
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.	A. SUTTON

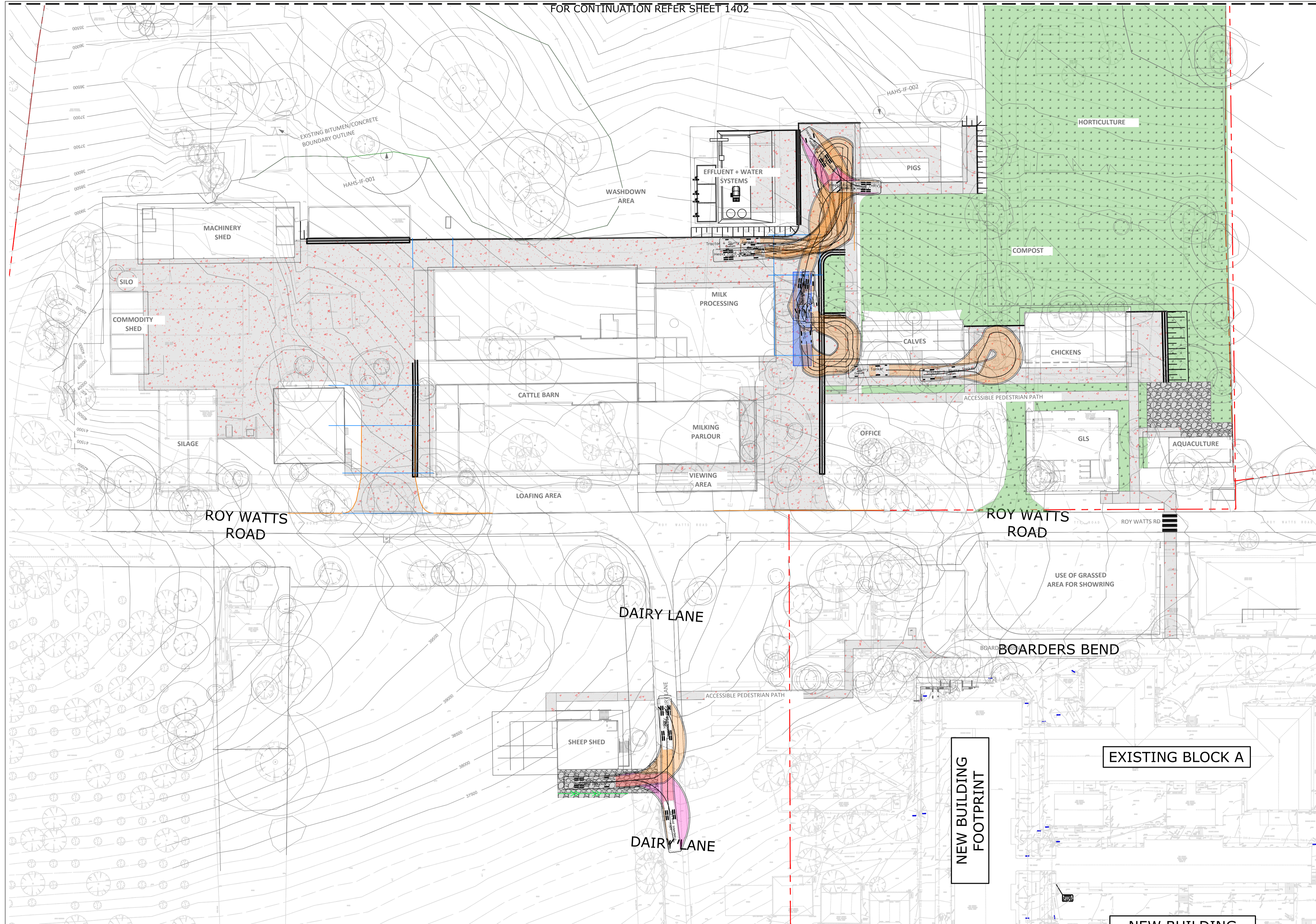
**NOT FOR CONSTRUCTION**

**SCHOOL INFRASTRUCTURE NSW**  
HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB  
ROY WATTS ROAD, GLENFIELD NSW 2167  
SWEEP PATH PLAN SHEET 2 OF 4

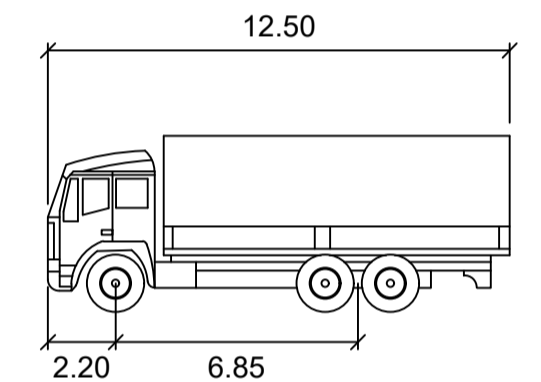
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FILENAME:	202061_1703-SEW.DWG	PROJECT NUMBER	202061	DRAWING NUMBER	1702	REVISION	D
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FOR CONTINUATION REFER SHEET 1402



DESIGN VEHICLES



HRV

	meters
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 36.7

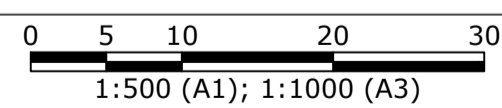


Model	Type/Options	Capacity Gallon	Capacity Litres	OA Length ft	OA Length m	OA Width ft	OA Width m	Wheel Recess	Weight (kg) Empty	Weight (kg) Full
1700 Agri	550/60/22.5	1,685	7,580	6.4m	2.6m	2.8m	3.0m	No	2,550	10,210
	21.3 R24	1,685	7,580	6.4m	2.6m	2.8m	3.0m	No	2,550	10,210

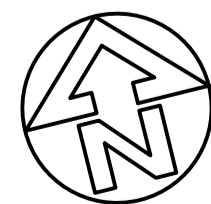
SLURRY TANKER (TRAILER)

**VEHICLE TURNING MOVEMENT**  
 - 12.5M HRV  
 - TRACTOR + SLURRY TANKER MAJOR 1700 AGRI

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**



COORDS: MGA ZONE 56 GDA 2020 DATUM: ALL LEVELS TO A.H.D.			
SCALE: AS SHOWN			
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 LY
A	ISSUED FOR REVIEW	22.04.22	LY LY
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES. DWN.
			A. SUTTON

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NOT FOR CONSTRUCTION

SCHOOL INFRASTRUCTURE NSW  
 HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB  
 ROY WATTS ROAD, GLENFIELD NSW 2167  
 SWEEP PATH PLAN SHEET 3 OF 4

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1703-SEW.DWG	202061	1703	D

**LEGEND**

- EXTEND OF WORKS
- PROPOSED PIPE
- ▬▬▬▬ GRATED DRAIN
- STORMWATER PIT
- ← OVERLAND FLOW PATH
- ▬▬▬▬ HEADWALL
- ▬▬▬▬ SCOUR PROTECTION
- ▬▬▬▬ EFFLUENT PIPE
- 5.00 MAJOR DESIGN CONTOUR
- 5.10 MINOR DESIGN CONTOUR
- 5.00 MAJOR EXISTING CONTOUR
- 5.10 MINOR EXISTING CONTOUR
- ▬▬▬▬ CUMBERLAND FOREST
- ▬▬▬▬ GRASSED LINED SWALE

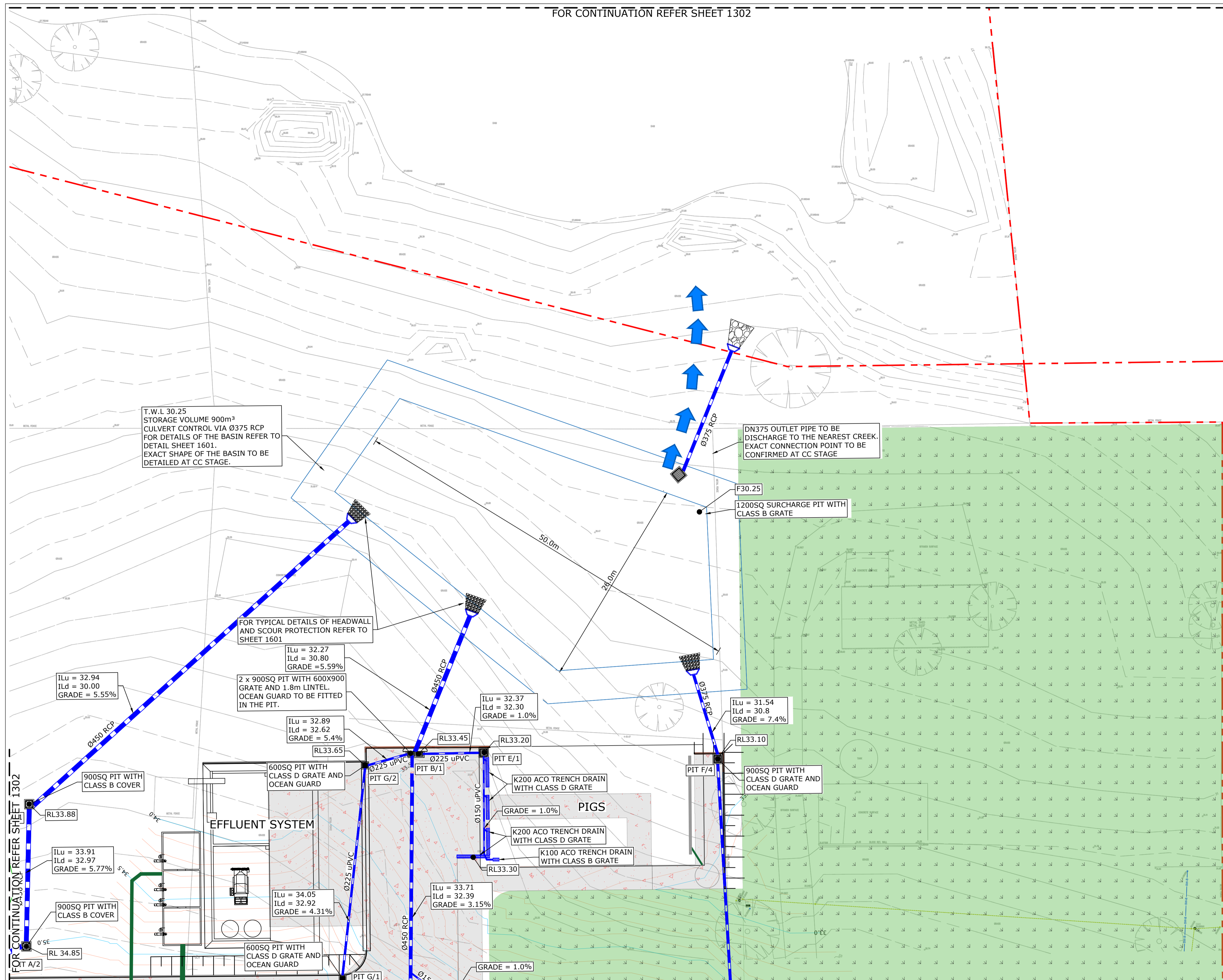
**EXISTING UTILITIES LEGEND**

- 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
- SW-A-B-C-D STORMWATER LINE
- SM-A-B-C-D SEWER MAIN
- UP-A-D UNKNOWN SERVICE
- RETAINING WALL
- ▬▬▬▬ NEW CONCRETE PAVEMENT FOR PEDESTRIAN ACCESS ONLY
- ▬▬▬▬ COMPACTED SOIL WITH GRAVEL SURFACE
- ▬▬▬▬ LANDSCAPE AREA
- ▬▬▬▬ BATTER

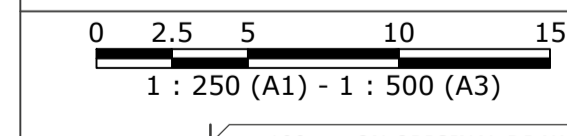
**NOTE:**

1. PLAN TO BE READ IN CONJUNCTION WITH PROJECT DESIGN REPORT.
2. CONTRACTOR TO CONFIRM LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AT CC STAGE.
3. REFER HYDRAULIC ENGINEER PLAN FOR DOWN PIPE DESIGN AND CALCULATION.
4. ALL NEW PIPES AT DOWNSTREAM OF PITS TO BE Ø225 uPVC AT MIN. 1% U.N.O.
5. PITS WITH DEPTHS TO INVERT IN EXCESS OF 1.2m ARE TO BE PROVIDED WITH STEP IRONS.
6. REFER TO MANUFACTURERS SPECIFICATIONS FOR FURTHER WATER QUALITY DEVICE DETAILS.
7. PROVIDE GRATED DRAIN AND FLOOR WASTE FOR HARD PAVED AREA AND PROPOSED WALKWAY.
8. PROVIDE SUBSOIL DRAINAGE FOR STRUCTURAL AND LANDSCAPE AS REQUIRED.

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FOR CONTINUATION REFER SHEET 1302



REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.
D1	RE-ISSUED DA FOR COUNCIL RFI	26.10.22	LY	YK
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	MC	MC
A	ISSUED FOR REVIEW	22.04.22	MC	MC

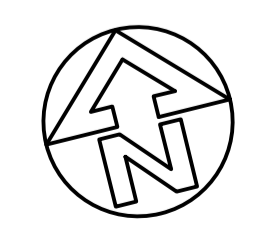
SHEET SIZE  
**A1**

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

SCALE: 1:250

SURVEYED:TSS  
SURVEY DATE:10.01.2022

APPROVED / PROJECT LEADER  
A. SUTTON



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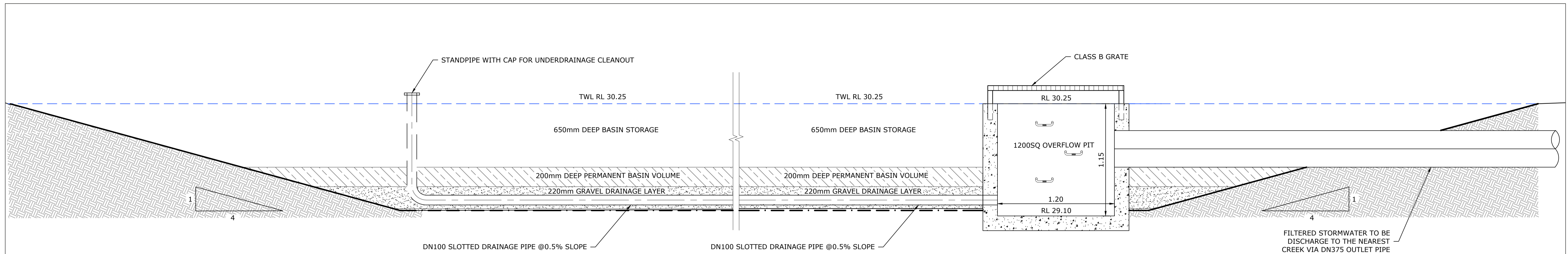


**NOT FOR CONSTRUCTION**

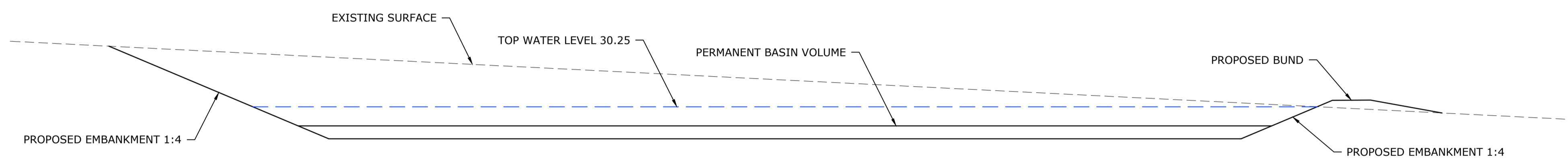
**SCHOOL INFRASTRUCTURE NSW**

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

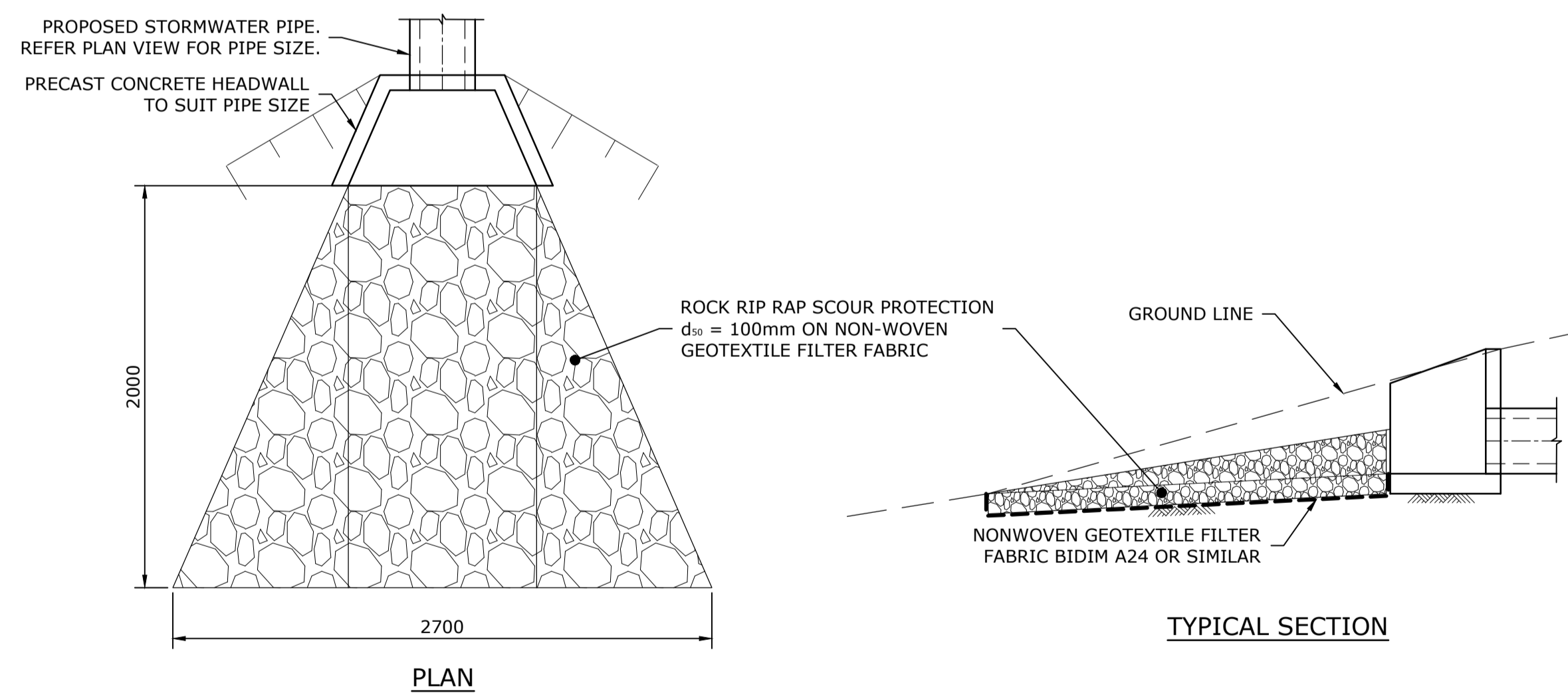
FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1301-SWP.DWG	202061	1303	D1



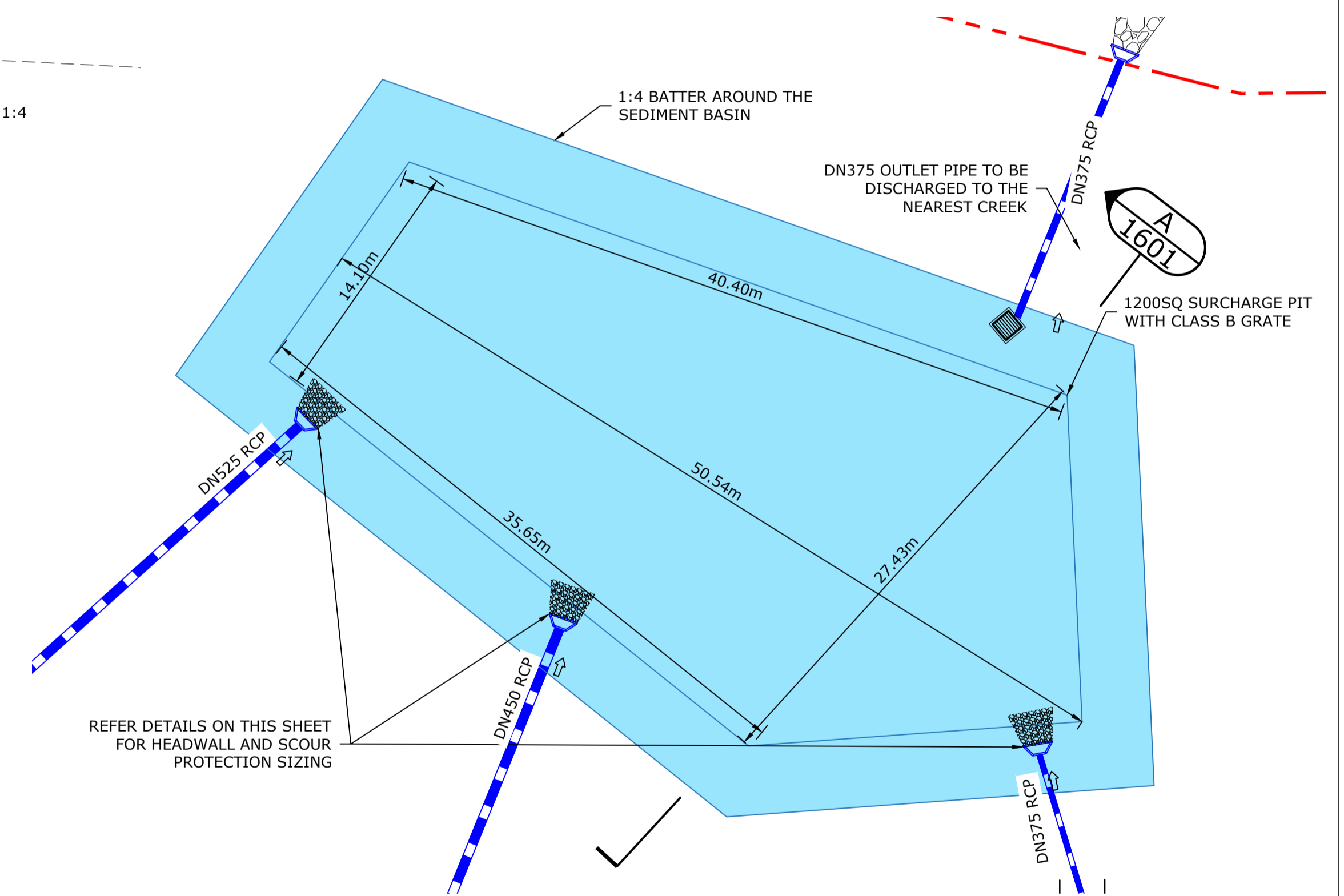
**SEDIMENT BASIN**  
SECTION A  
SCALE 1:20



**SCHEMATIC SECTION OF SEDIMENT BASIN**  
PLAN  
SCALE 1:100

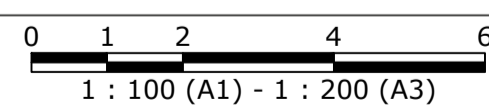


**TYPICAL HEADWALL AND SCOUR PROTECTION DETAIL**  
SCALE 1:25



**SEDIMENT BASIN**  
PLAN  
SCALE 1:250

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

REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.
D1	RE-ISSUED DA FOR COUNCIL RFI	26.10.22	LY	YK
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	MC	MC
A	ISSUED FOR REVIEW	22.04.22	MC	MC

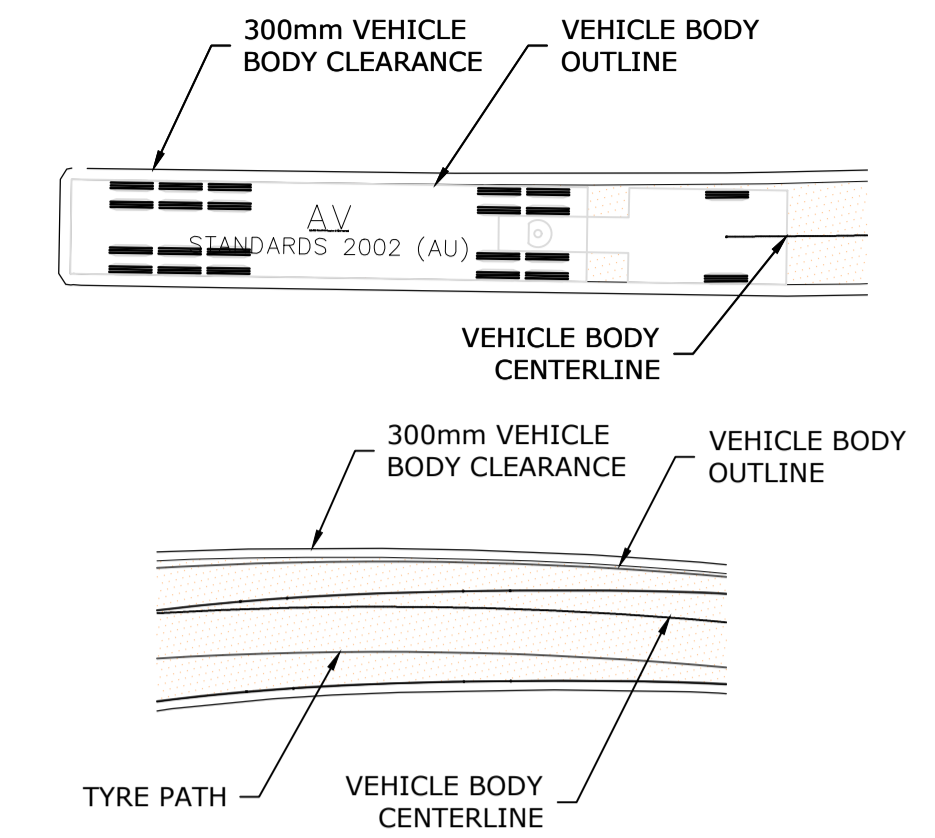
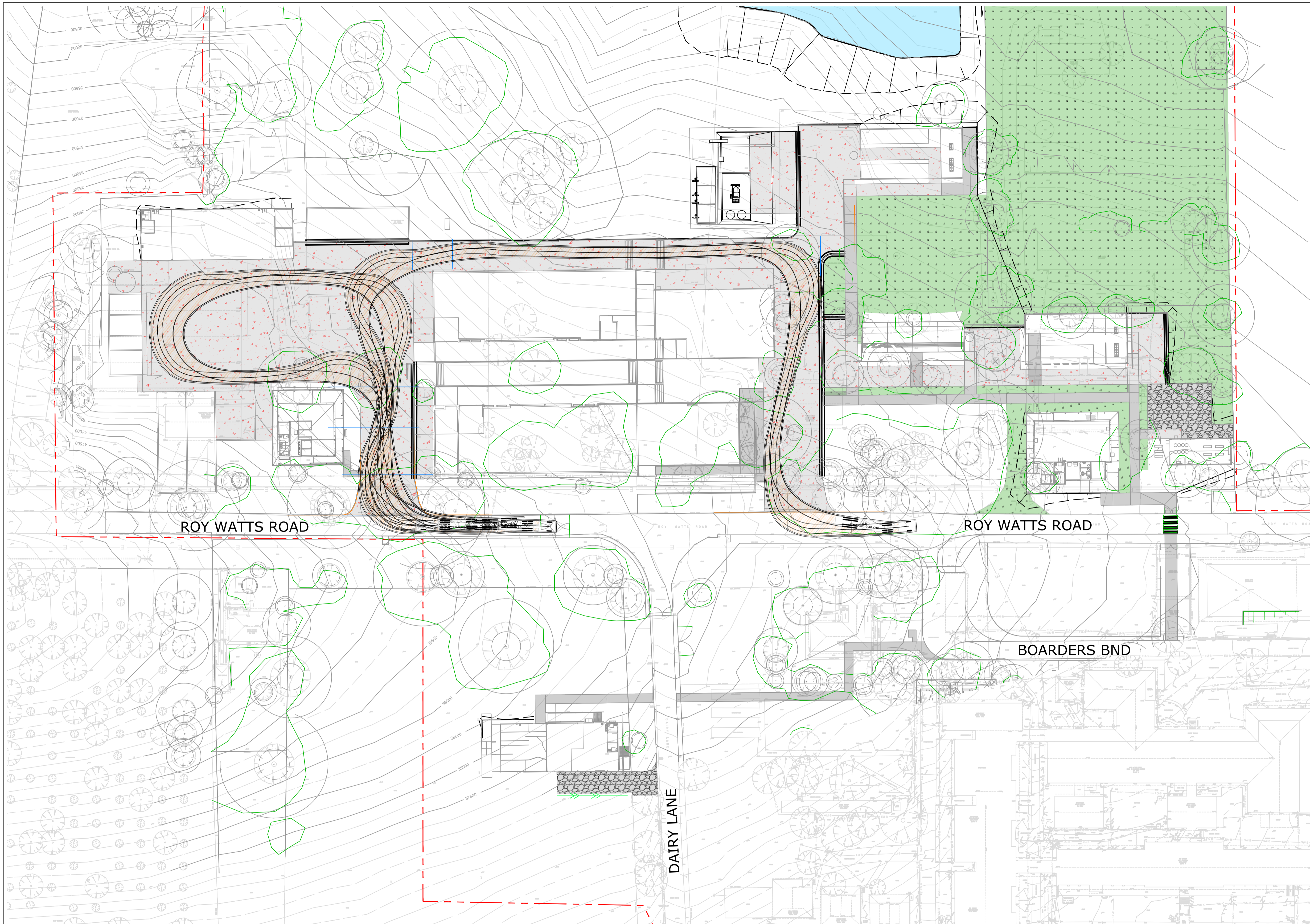
COORDS: MGA ZONE 56 GDA 2020  
DATUM: ALL LEVELS TO A.H.D.  
SCALE: AS SHOWN  
SURVEYED:TSS  
SURVEY DATE:10.01.2022  
APPROVED / PROJECT LEADER  
A. SUTTON

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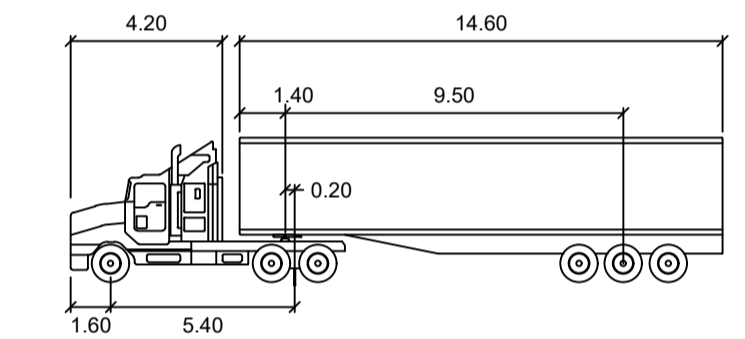
**NOT FOR CONSTRUCTION**  
SCHOOL INFRASTRUCTURE NSW  
HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB  
ROY WATTS ROAD, GLENFIELD NSW 2167  
DETAILS SHEET 1 OF 2

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1602-DET.DWG	202061	1601	D1



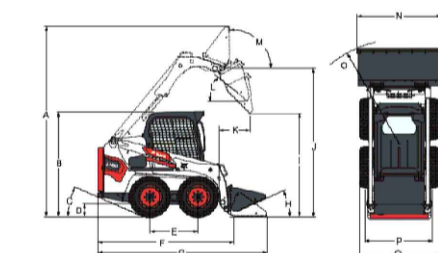
VEHICULAR PATH LEGEND

DESIGN VEHICLES



AV

Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Tractor Track	: 2.50	Steering Angle	: 28.3
Trailer Track	: 2.50	Articulating Angle	: 72.0



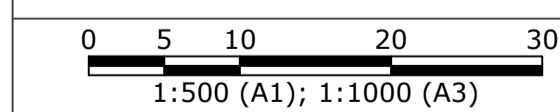
BOBCAT S450

(A) 3558.0 mm	(I) 2157.0 mm
(B) 1978.0 mm	(J) 2181.0 mm
(C) 23.0°	(K) 587.0 mm
(D) 214.0 mm	(L) 40.0°
(E) 900.0 mm	(M) 91.0°
(F) 2499.0 mm	(N) 1575.0 mm
(G) 3172.0 mm	(O) 1940.6 mm
(H) 28.0°	

NOTE:  
THE VEHICLE MOVEMENT DRAWINGS SHOWN THE MOST CRITICAL MOVEMENT IN A CERTAIN AREA. SMALLER VEHICLES ARE ALLOWED FOR ACCESS MAY NOT BE SHOWN ON THE PLAN.

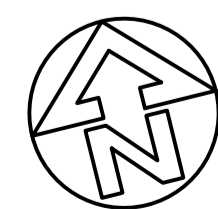
VEHICLE TURNING MOVEMENT  
- 19m ARTICULATED VEHICLE  
- SITE CIRCULATION

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**

COORDS: MGA ZONE 56 GDA 2020  
DATUM: ALL LEVELS TO A.H.D.  
SCALE: AS SHOWN  
SURVEYED:TSS  
SURVEY DATE:10.01.2022  
APPROVED / PROJECT LEADER  
A. SUTTON



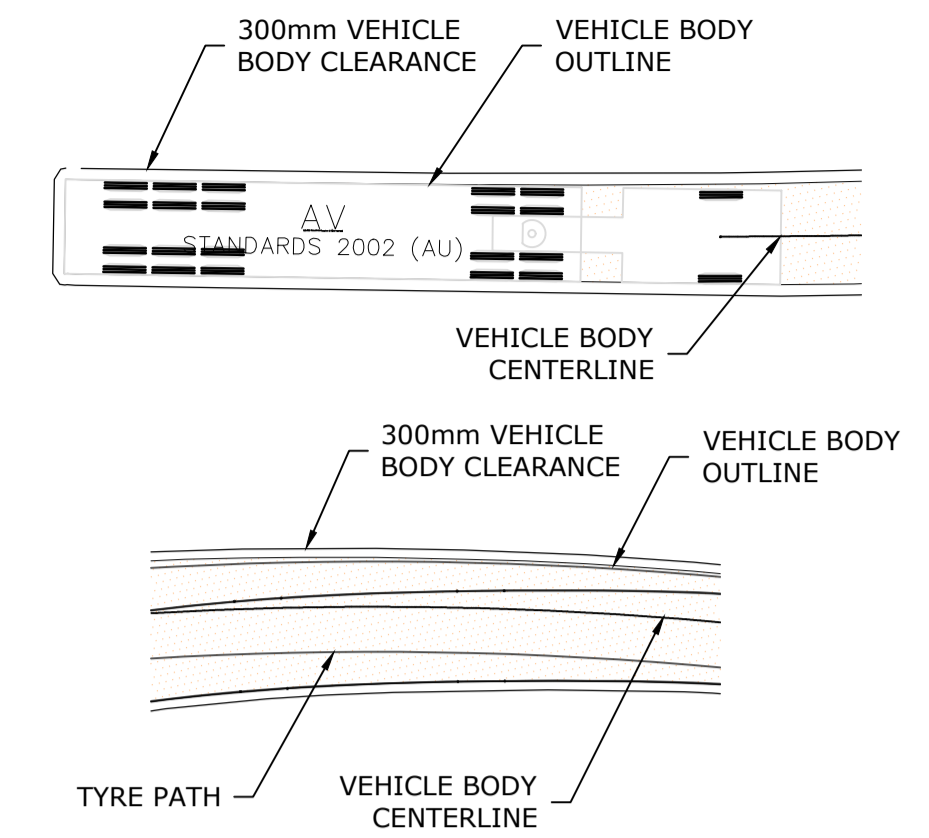
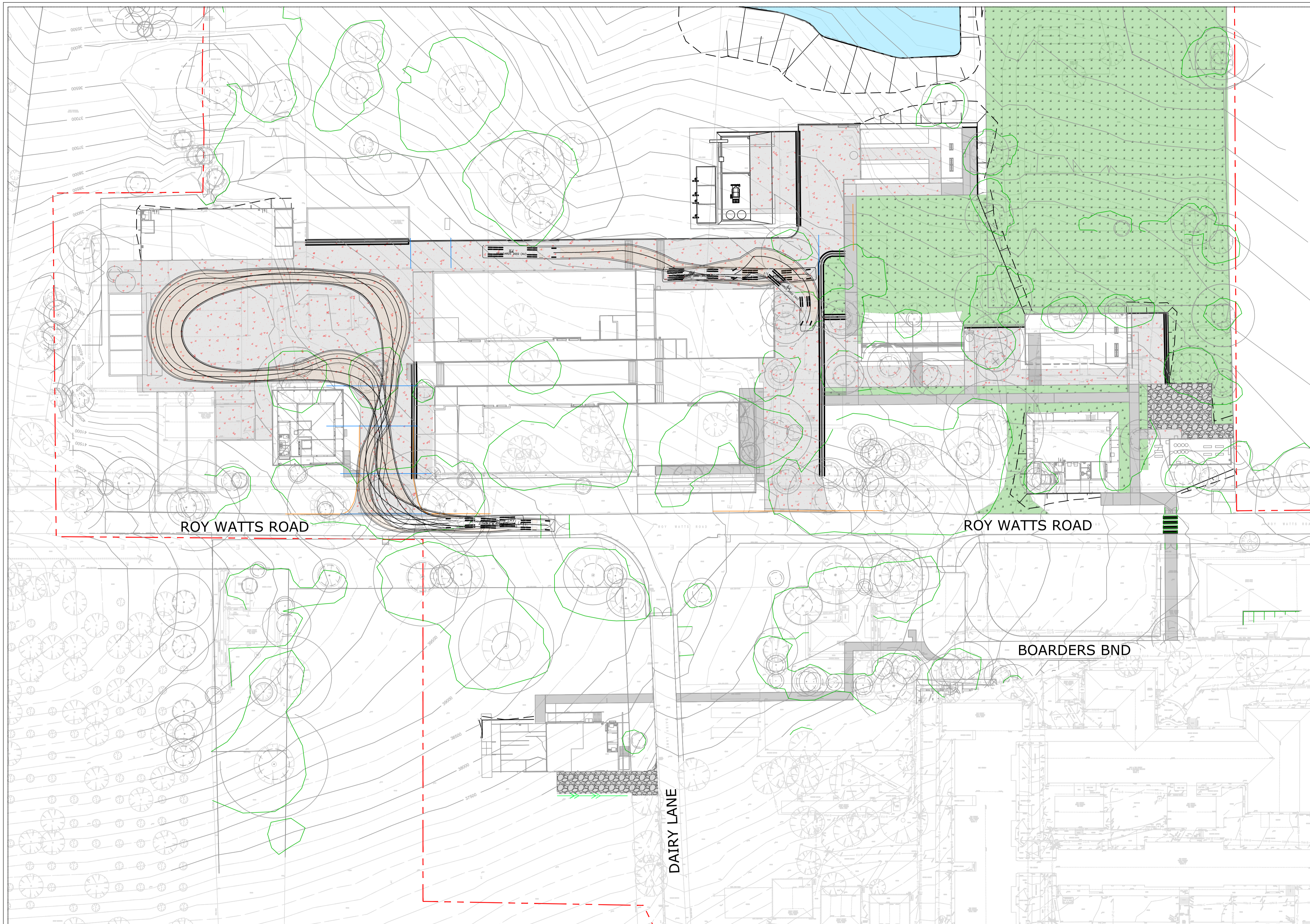
REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.
B	ISSUED FOR COUNCIL REVIEW	26.10.22	LY	LY
A	ISSUED FOR COUNCIL REVIEW	25.10.22	LY	LY

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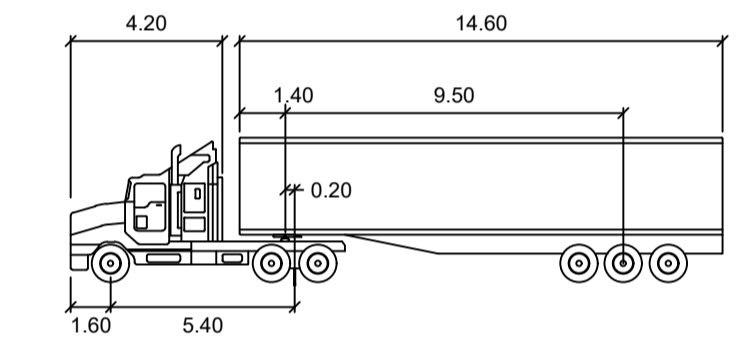
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SCHOOL INFRASTRUCTURE NSW  
HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB  
ROY WATTS ROAD, GLENFIELD NSW 2167  
AV SWEEP PATH PLAN 1

FILENAME: 202061_1703-SEW SUPPLEMENTARY.DWG	PROJECT NUMBER 202061	DRAWING NUMBER SK1701	REVISION B
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VEHICULAR PATH LEGEND

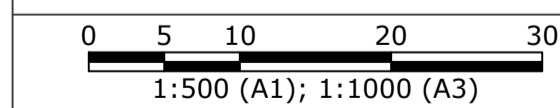
DESIGN VEHICLES



AV	Tractor Width	Trailer Width	Tractor Track	Trailer Track	Lock to Lock Time	Steering Angle	Articulating Angle
	: 2.50	: 2.50	: 2.50	: 2.50	: 6.0	: 28.3	: 72.0

**VEHICLE TURNING MOVEMENT**  
 - 19m ARTICULATED VEHICLE  
 - MILK PROCESS LOADING BAY  
 - REVERSE-IN PARKING AND EXIT

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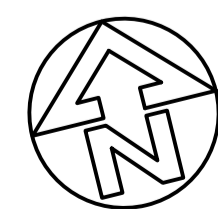
SHEET SIZE  
**A1**

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

SCALE: AS SHOWN

SURVEYED:TSS  
SURVEY DATE:10.01.2022

APPROVED / PROJECT LEADER  
A. SUTTON



REV	AMENDMENT / REASON FOR ISSUE	DATE	DES.	DWN.
B	ISSUED FOR COUNCIL REVIEW	26.10.22	LY	LY
A	ISSUED FOR COUNCIL REVIEW	25.10.22	LY	LY

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SCHOOL INFRASTRUCTURE NSW

HURLSTONE AGRICULTURE HIGH SCHOOL-FARM HUB  
ROY WATTS ROAD, GLENFIELD NSW 2167  
AV SWEEP PATH PLAN 2

FILENAME:	PROJECT NUMBER	DRAWING NUMBER	REVISION
202061_1703-SEW SUPPLEMENTARY2.DWG	202061	SK1702	B