PROPOSED DEVELOPMENT

CORNER OF MENAGLE ROAD AND COLDEN STREET, PICTON

ISSUE FOR DEVELOPMENT APPLICATION

JUNE 2023

LOCALITY PLAN
NTS

CLIENT:

Wollondilly Shire Council

ARCHITECT:

williamsross

CONSULTANTS:

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dlcs OHSAS 18001 certified
dlcs ISO 9001 certified
dlcs OHSRE system vetted

8461-01-000

DRAWING SCHEDULE

DRAWING NUMBER	DRAWING TITLE
8461–01–000	COVER SHEET
8461–01–001	DRAWING SCHEDULE
8461–01–002	LEGEND ABBREVIATION AND GENERAL NOTES
8461–01–003	BASEMENT STORMWATER PLAN
8461–01–004	NOT USED
8461–01–005	LEVEL 1 STAGE 1 STORMWATER PLAN
8461–01–006	STORMWATER DETAILS
8461–01–007	SITE CALCULATIONS
8461–01–008	OSD DETAILS

No.	AMENDMENT	APPROVED	DATE	AMENDED BY
3	ISSUE FOR DEVELOPMENT APPLICATION	M.S	21.07.23	D.K
2	ISSUE FOR 50% DETAILED DESIGN	M.S	30.06.23	D.K
1	ISSUE FOR D.A.	M.S	16.05.2023	D.K.

ARCHITECT

williamsross

CLIENT

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APPROVED	M.S.	DATE	23.05.2022
CHECKED	M.S.	DATE	23.05.2022
DESIGNED BY	M.S.		
DRAWN BY	D.K.		
CAD FILE	H:\8461 Government Services Building\20 Drawings\20.1 Civil\01 Substage 1\01 Current Drawings\8461-01-001 DRG SHEET.dwg		
SCALE	AS SHOWN	SHEET No.	

PROJECT

GOVERNMENT SERVICES BUILDING, PICTON

DRAWING TITLE

DRAWING SCHEDULE

PROJECT No.	DRAWING No.	AMDT
8461-01	001	3

LEGEND

EXISTING

- WATERMAIN, THRUST BLOCK, FIRE HYDRANT, STOP VALVE
- WATER TIE
- STORMWATER MAIN, SUMP, MANHOLE
- STORMWATER TIE
- SEWER MAIN, MAINTENANCE HOLE
- SEWER TIE
- GAS
- CONTOURS (SURVEY)
- CONTOURS (ACTMAPi)
- ELECTRICITY SERVICE LINE UNDERGROUND
- ELECTRICITY SERVICE LINE OVERHEAD
- ELECTRICITY STREETLIGHTING UNDERGROUND
- ELECTRICITY STREETLIGHTING OVERHEAD
- ELECTRICITY LOW VOLTAGE UNDERGROUND
- ELECTRICITY LOW VOLTAGE OVERHEAD
- ELECTRICITY HIGH VOLTAGE UNDERGROUND
- ELECTRICITY HIGH VOLTAGE OVERHEAD
- LIGHTPOLE / POWERPOLE
- NBN
- ICON CABLE (PIT)
- TELSTRA CABLE WITH PIT, SHARED COMMS PIT AND MARKER
- TELSTRA FIBRE OPTIC CABLE
- TRANSACT CABLE
- OPTUS CABLE
- TREE
- TREE TO BE REMOVED
- TREE TO BE PRUNED
- TREE PROTECTION FENCE
- STORMWATER TO BE ABANDONED
- STORMWATER TO BE REMOVED
- END CAP (TYPE 1)
- END CAP (TYPE 2)
- BOLLARD

PROPOSED

- STORMWATER LINE/MANHOLE
- R–SUMP
- PROPOSED ISLAND MODIFICATION

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 'MUNICIPAL INFRASTRUCTURE STANDARDS (MIS) APRIL 2019 AND ICON'S WATER SUPPLY AND SEWERAGE STANDARDS (WSSS) JULY 2018.
2. EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA. THE PRINCIPAL DOES NOT GUARANTEE THE ACCURACY OF THIS INFORMATION AND IT IS THE CONTRACTORS RESPONSIBILITY TO ESTABLISH THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCING WORK. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITIES.
3. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL CONFIRM THE POSITION AND LEVEL OF ALL EXISTING SERVICE CONNECTION POINTS AND NOTIFY THE SUPERINTENDENT IMMEDIATELY IF A DISCREPANCY IS FOUND.
4. ALL SURVEY SET–OUT SHALL BE UNDERTAKEN BY A REGISTERED SURVEYOR.
5. ALL EXISTING AND FINISHED SURFACE LEVELS ARE TO THE AUSTRALIAN HEIGHT DATUM (AHD).
6. CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EVOENERGY CABLES. NO MECHANICAL EXCAVATION IS TO BE UNDERTAKEN OVER EVOEVNERGY CABLES. HAND EXCAVATE IN THESE AREAS ONLY.
7. WHERE NEW WORK ABUTS EXISTING WORK THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
8. ALL EARTHWORKS, BATTERS AND TRENCH LINES TO BE TOPSOILED WITH 100mm SITE TOPSOIL, TEMPORARY GRASSED & BITUMEN STRAW MULCHED.
9. EXISTING REFERENCE MARKS SHOWN HAVE NOT BEEN FIELD CHECKED. CO–ORDINATES AND REDUCED LEVELS TO BE CONFIRMED WITH EPD FOR ACCURACY.
10. THE CONTRACTOR SHALL NOT DISTURB ANY EXISTING BENCH MARKS WITHOUT EPD APPROVAL IN WRITING.
11. CONNECTION OF NEW STORMWATER PIPES TO EXISTING PIPES AND MANHOLES IS TO BE UNDERTAKEN BY THE CONTRACTOR.
12. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL TEMPORARY SUPPORT OF EXISTING SERVICES DURING EXCAVATION OF TRENCHES TO THE SATISFACTION OF THE SERVICE OWNER/AUTHORITY.
13. WHERE SERVICES CROSS EXISTING ROADS THE PAVEMENT IS TO BE SAWCUT 300mm WIDER THAN THE REQUIRED TRENCH EXCAVATION AND THE FINISHED SURFACE REINSTATED WITH ASPHALTIC CONCRETE.
14. ALL SEWER AND STORMWATER MAINTENANCE HOLES ARE TO BE 1050DIA PRECAST OR IN SITU CONSTRUCTION WITH LIGHT DUTY COVERS (CLASS B) IN OPEN SPACES AND HEAVY DUTY COVERS (CLASS D) IN ROADWAYS UNLESS OTHERWISE SHOWN. SEWER MAINTENANCE HOLES WITH VERTICAL DROPS ARE CAST INSITU.
15. ALL STORMWATER MAINS UP TO 750DIA SHALL BE STEEL OR FIBRE REINFORCED CONCRETE PIPE RRJ WITH 100 YEAR DESIGN LIFE. PIPES GREATER THAN 750DIA SHALL BE RCP.
16. STORMWATER SERVICE TIES ARE TO BE RRJ SLOPE JUNCTIONS, UNLESS CONNECTED INTO A SWMH OR SUMP. STORMWATER TIES TO BE BRANCH END AND SEALED.
17. DESIGN LENGTHS FOR STORMWATER & SEWER PIPELINES ARE MEASURED FROM THE CENTRE OF THE MAINTENANCE HOLES AND/OR SUMP. AS CONSTRUCTED LENGTHS ARE MEASURED FROM THE INSIDE FACE OF THE MAINTENANCE HOLE/SUMP.
18. INVERT LEVELS ARE TO THE CENTRE OF MAINTENANCE HOLES & SUMPS.
19. NOMINATED MAINTENANCE HOLE/SUMP LOCATIONS REFER TO CENTRE OF MAINTENANCE HOLE/SUMP.
20. COVER LEVELS GIVEN ARE TO BE USED AS A GUIDE ONLY. ACTUAL LEVELS TO BE DETERMINED ON SITE.
21. ALL TREE PROTECTION FENCING TO BE CHAINWIRE FENCE TYPE, 1.8m HIGH AND ERECTED 2.0m–5.0m OUTSIDE THE TREE CANOPY AS AGREED WITH THE SUPERINTENDENT, UNLESS NOTED OTHERWISE.
22. CONTRACTOR TO HAVE ZINFRA IDENTIFY/MARK ALL GAS MAINS WITHIN THE VICINITY OF WORKS.
23. CONTRACTOR TO RESTORE VERGE TO EXISTING CONDITION AFTER CONSTRUCTING STORMWATER STRUCTURES/PIPES.

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ARCHITECT: williamsross

CLIENT: Wollondilly Shire Council

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APPROVED	M.S	DATE	28.01.2022
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DESIGNED BY	M.S		
DRAWN BY	D.K		

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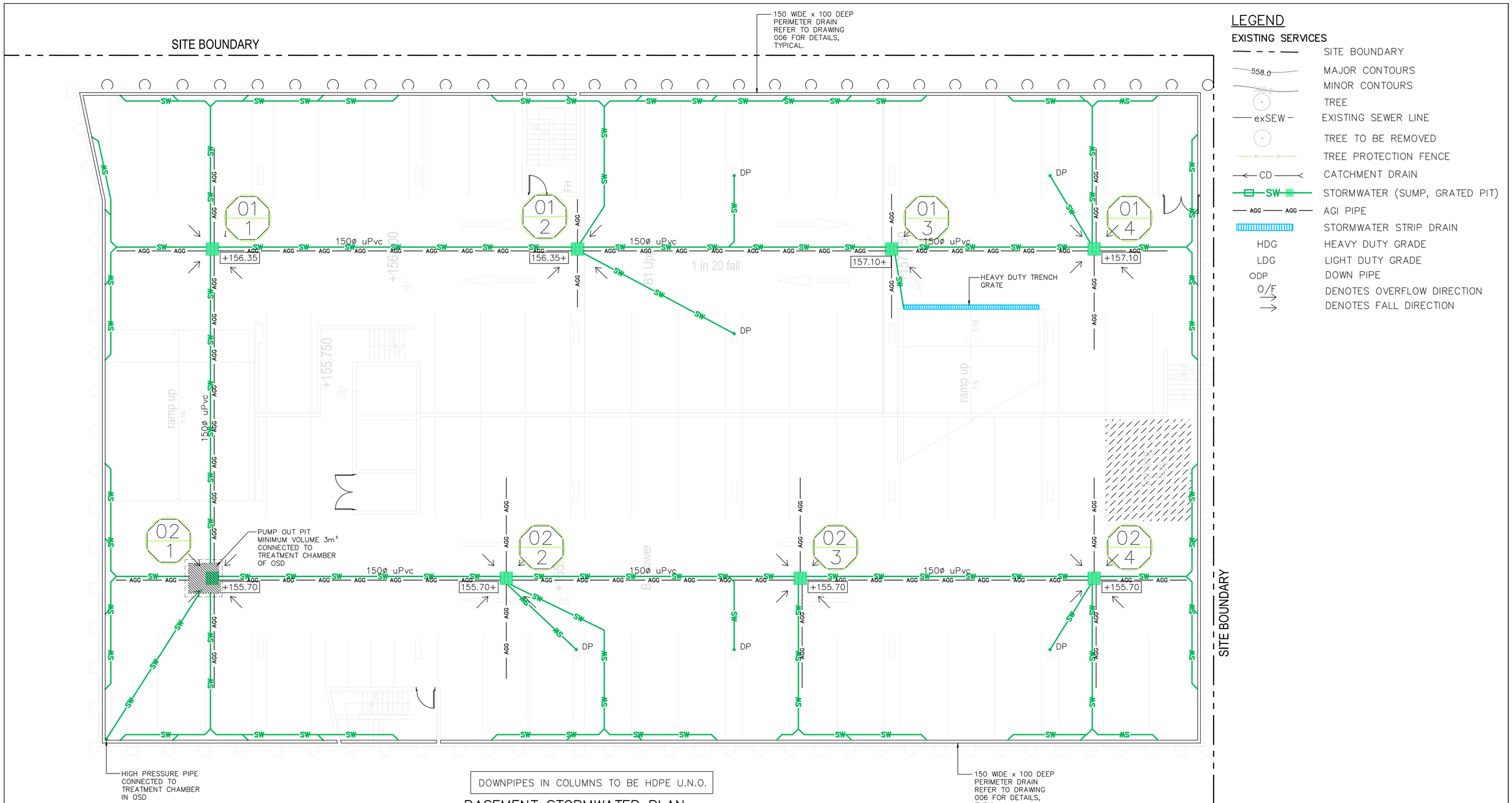
SCALE: AS SHOWN

SHEET No.

PROJECT: GOVERNMENT SERVICES BUILDING, PICTON

DRAWING TITLE: LEGEND ABBREVIATION AND GEN NOTES

PROJECT No.	DRAWING No.	AMDT
8461-01	002	3



LEGEND

EXISTING SERVICES

- SITE BOUNDARY
- 558.0 MAJOR CONTOURS
- MINOR CONTOURS
- TREE
- exSEW – EXISTING SEWER LINE
- TREE TO BE REMOVED
- TREE PROTECTION FENCE
- CD CATCHMENT DRAIN
- SW STORMWATER (SUMP, GRATED PIT)
- AGG AGG AGI PIPE
- STORMWATER STRIP DRAIN
- HDG HEAVY DUTY GRADE
- LDG LIGHT DUTY GRADE
- ODP DOWN PIPE
- O/F DENOTES OVERFLOW DIRECTION
- DENOTES FALL DIRECTION

DOWNPIPES IN COLUMNS TO BE HDPE U.N.O.

BASEMENT STORMWATER PLAN NOTES:

1. ALL PIPES SHOWN MIN. 150ø WITH 1% FALL UNLESS OTHERWISE SPECIFIED
2. GRADE ALL PREVIOUS AREAS AWAY FROM BUILDINGS.
3. PROVIDE OVERFLOW PATHS THRU LANDSCAPING BEDS AS REQUIRED OR AS DIRECTED BY ENGINEER ON SITE.
4. GEOFABRIC MATERIAL TO BE FITTED TO ALL OUTLET PIPES FOR ALL PITS. THIS IS REQUIRED TO STOP SEDIMENT FROM EXISTING THE PROPERTY.

STORMWATER STRUCTURE TABLE

PIT NO	DESCRIPTION	COVER RL	INVERT LEVEL	REMARKS
01/1	600 x 600	156.45	155.55	CLASS C(i)
01/2	600 x 600	156.45	155.70	CLASS C(i)
01/3	600 x 600	156.45	155.85	CLASS C(i)
01/4	600 x 600	157.10	156.65	CLASS C(i)
02/1	REFER TO DETAIL	155.70	–	PUMP WELL
02/2	600 x 600	155.70	154.95	CLASS C(i)
02/3	600 x 600	155.70	155.10	CLASS C(i)
02/4	600 x 600	155.70	155.25	CLASS C(i)

CLASS OF GRATE AS3996.2006		
CLASS	DESIGN LOAD	TYPICAL USER
CLASS A	10kN	PEDESTRIAN
CLASS B	80kN	LIGHT VEHICLES
CLASS C(i)	150kN	LIGHT TRUCK
CLASS C(ii)	150kN	SLOW TRUCK
CLASS D	210kN	HIGHWAY VEHICLES

A1 PLOT 2000 0 20 40 60 80 4000 40 20 A3 PLOT

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ARCHITECT williamsross

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CHECKED M.S DATE
DESIGNED BY D.K
DRAWN BY D.K
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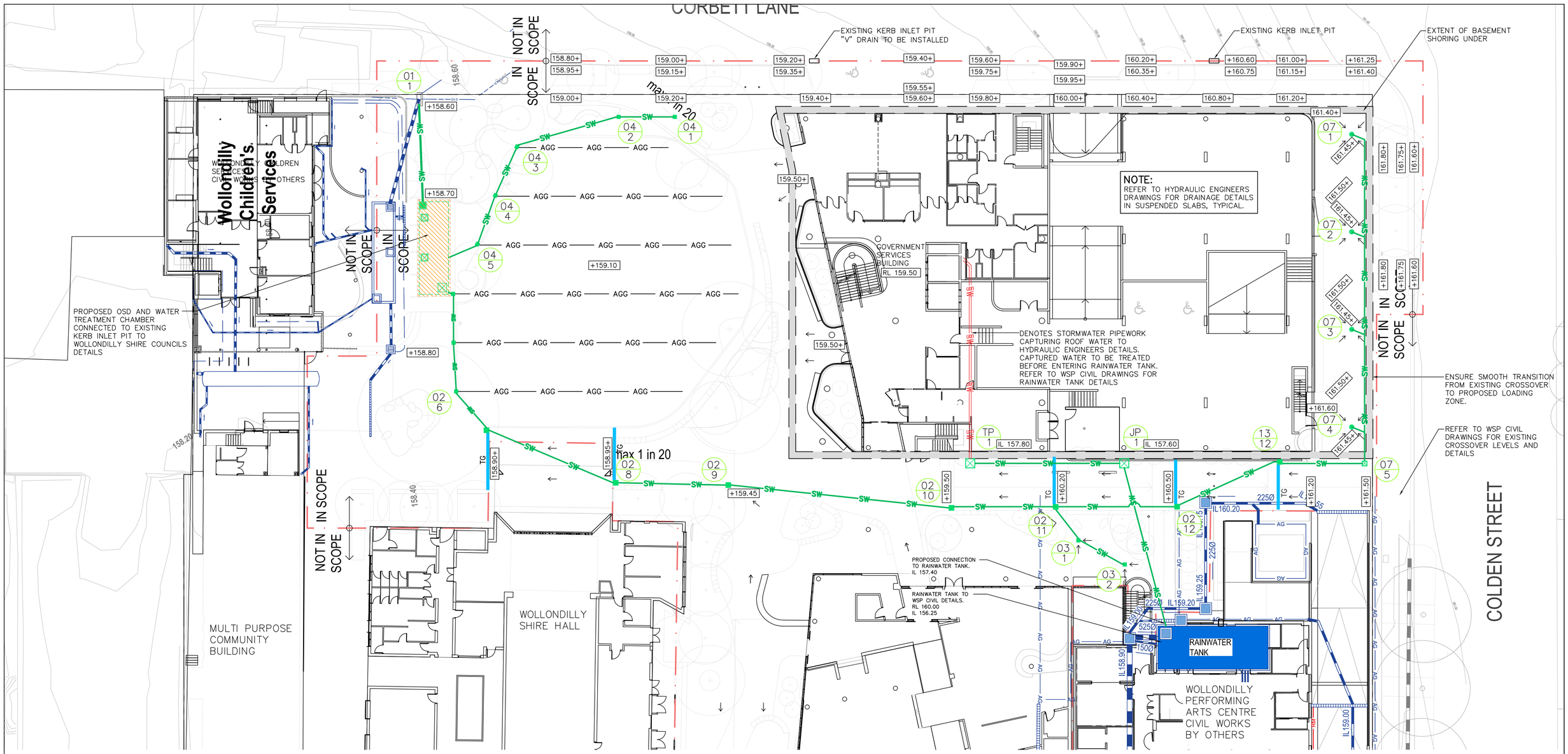
SCALE 1:100 AT A1
SHEET No.

PROJECT: GOVERNMENT SERVICES BUILDING, PICTON

DRAWING TITLE: BASEMENT STORMWATER PLAN

PROJECT No. 8461-01 | DRAWING No. 003 | AMDT 3



DOWNPIPES IN COLUMNS TO BE HDPE U.N.O.

LEGEND

SITE BOUNDARY	CATCHMENT DRAIN
MAJOR CONTOURS	STORMWATER (SUMP, GRATED PIT)
MINOR CONTOURS	AGI PIPE
TREE	STORMWATER STRIP DRAIN
EXISTING SEWER LINE	HEAVY DUTY GRADE
EXISTING STORMWATER LINE	LIGHT DUTY GRADE
EXISTING COUNCIL STORMWATER LINE	DOWN PIPE
TREE TO BE REMOVED	DENOTES OVERFLOW DIRECTION
TREE PROTECTION FENCE	DENOTES FALL DIRECTION

LEVEL 1 STORMWATER PLAN NOTES:

1. ALL PIPES SHOWN MIN. 150ø WITH 1% FALL UNLESS OTHERWISE SPECIFIED
2. GRADE ALL PREVIOUS AREAS AWAY FROM BUILDINGS.
3. PROVIDE OVERFLOW PATHS THRU LANDSCAPING BEDS AS REQUIRED OR AS DIRECTED BY ENGINEER ON SITE.
4. GEOFABRIC MATERIAL TO BE FITTED TO ALL OUTLET PIPES FOR ALL PITS. THIS IS REQUIRED TO STOP SEDIMENT FROM EXISTING THE PROPERTY.

CLASS OF GRATE AS3996.2006		
CLASS	DESIGN LOAD	TYPICAL USER
CLASS A	10kN	PEDESTRIAN
CLASS B	80kN	LIGHT VEHICLES
CLASS C(i)	150kN	LIGHT TRUCK
CLASS C(ii)	150kN	SLOW TRUCK
CLASS D	210kN	HIGHWAY VEHICLES

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2000 40 20 4000

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1	ISSUE FOR 50% DETAILED DESIGN	M.S	30.06.23	D.K

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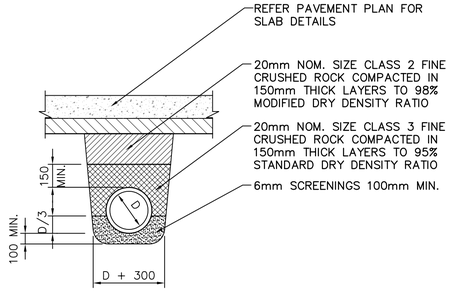
CHECKED	M.S	DATE
DESIGNED BY	D.K	
DRAWN BY	D.K	
CAD FILE	H:\8461 Government Services Building\20 Drawings\20.1 Civil\01 Substage 1\01 Current Drawings\8461-01-010 LEVEL 1 STAGE 1 DA STORMWATER.dwg	
SCALE	1:200 AT A1	SHEET No.

PROJECT: GOVERNMENT SERVICES BUILDING, PICTON

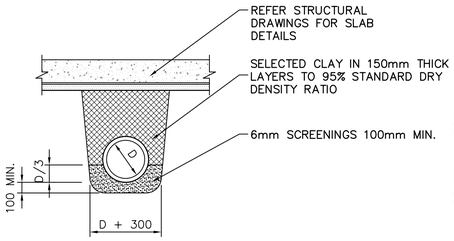
DRAWING TITLE: LEVEL 1 STORMWATER PLAN PART 1

PROJECT No.	DRAWING No.	AMDT
8461-01	005	2



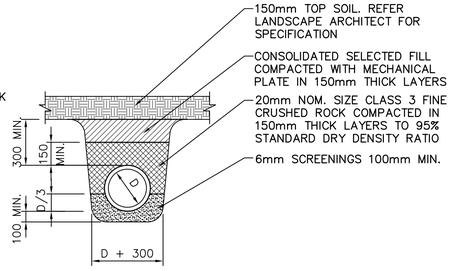
PIPE BEDDING – UNDER CONCRETE PAVEMENTS

NOT TO SCALE



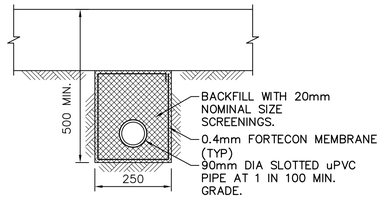
PIPE BEDDING – UNDER FLOOR SLAB

NOT TO SCALE



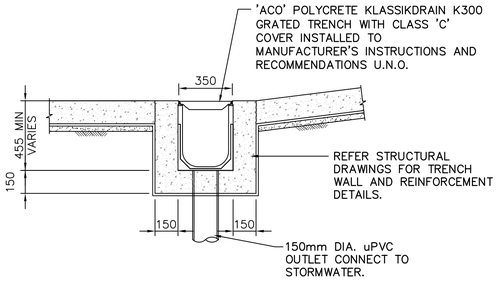
PIPE BEDDING – IN LANDSCAPING

NOT TO SCALE



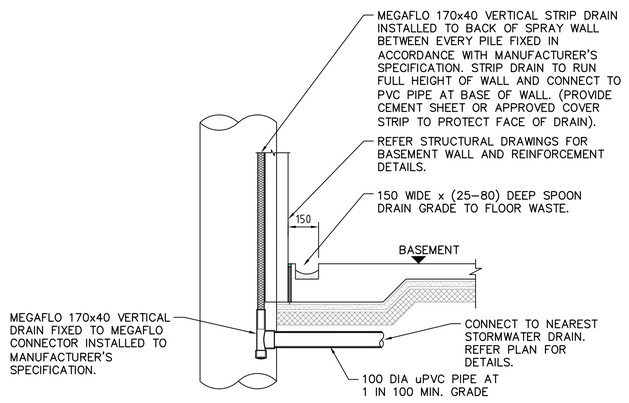
AGRICULTURAL DRAIN (AG) DETAIL

NOT TO SCALE



GRATED TRENCH DETAIL

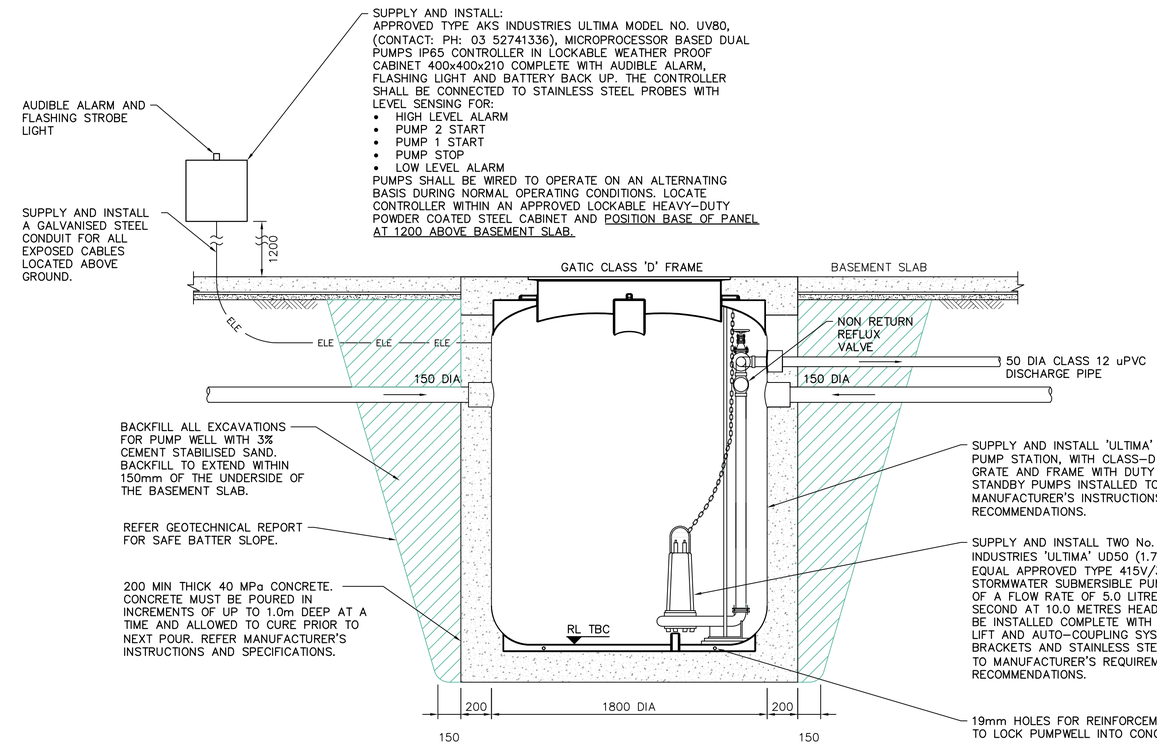
GRATE HEAVY–DUTY – CLASS 'C'
UNLESS NOTED OTHERWISE
NOT TO SCALE



AT STRIP DRAIN

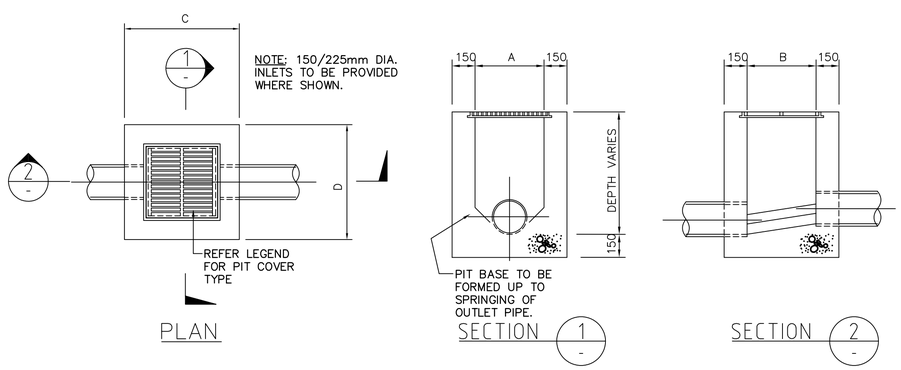
BASEMENT DRAINAGE DETAIL (150 WIDE SPOON DRAIN)

SCALE 1:20



PUMP WELL PIT DETAIL

SCALE 1:20
NOTE: PROVIDE TEMPORARY GROUND WATER DE–WATERING BY SPEARS OR OTHER MEANS APPROVED BY THE GEOTECHNICAL ENGINEER IN THE VICINITY OF THE PUMP WELL PRIOR TO COMMENCING WORKS. THE TEMPORARY DE–WATERING SHALL REMAIN IN PLACE UNTIL THE PUMP WELL IS FULLY CONSTRUCTED.



GRATED AND JUNCTION PIT DETAIL

NOT TO SCALE

NOTES:

1. ALL PITS IN VEHICLE PAVEMENT AREAS SHALL BE CLASS 'C' GATIC CAST IRON GRATE OR COVER OR EQUAL APPROVED TYPE UNLESS NOTED OTHERWISE.
2. ALL GRATED PITS IN FOOTPATH AND PEDESTRIAN PAVEMENTS SHALL BE APPROVED TYPE HEEL GUARD DDA COMPLIANT GRATES.
3. INSTALL HOT–DIPPED GALVANISED STEEL STEP IRONS AT 300 mm INTERVAL IN ALL PITS OF 900x900 IN EXCESS OF 1.0 METRE DEPTH.
4. ALL MILD STEEL GRATES AND FRAMES SHALL BE HOT–DIPPED GALVANISED IN ACCORDANCE WITH AS1650–1981.
5. TOP OF PITS SHALL MATCH SLOPE AND LEVEL OF ADJOINING FINISHED SURFACE LEVELS.
6. CONCRETE F'c = 40 MPa SULPHATE RESISTANT CEMENT QUARRY MIXED WITH XYPEX. OR APPROVED TYPE PRECAST PITS WITH 2% CEMENT STABILISED SAND BACK FILLING.

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SCALE: AS SHOWN
SHEET No.

PROJECT: GOVERNMENT SERVICES BUILDING, PICTON

DRAWING TITLE: STORMWATER DETAILS

PROJECT No.	DRAWING No.	AMDT
8461-01	006	3

LEGEND

SUB CATCHMENT BOUNDARY

AREA TO OSD 1

AREA BYPASSING OSD 1

PRE-DEVELOPMENT POST-DEVELOPMENT FLOW CALCULATIONS TABLE

STORM (5YR)

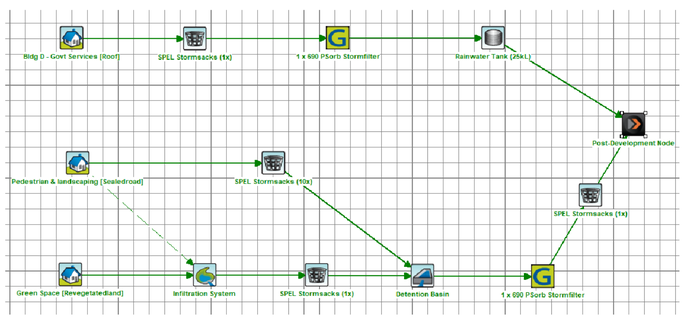
CATCHMENT / OSD NO.	CATCHMENT AREA (m^2)	PRE-DEV IMPERVIOUS (%)	POST-DEV IMPERVIOUS (%)	PIPE OUTFLOW (m^3/s)	WEIR OUTFLOW (m^3/s)	BYPASS OUTFLOW (m^3/s)	POST-DEV FLOW (m^3/s)	OSD VOLUME (m^3)	TOTAL POST-DEV FLOW (m^3/s)	TOTAL PRE-DEV FLOW (m^3/s)
1	3565	95	94	0.063	N/A	N/A	0.063	21.375	0.117	0.171
BYPASS	1860	87	87	0.054	N/A	N/A	0.054			

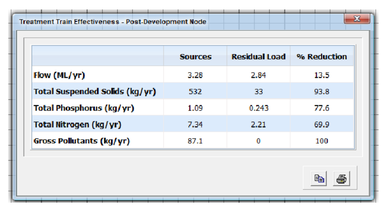
STORM (20YR)

CATCHMENT / OSD NO.	CATCHMENT AREA (m^2)	PRE-DEV IMPERVIOUS (%)	POST-DEV IMPERVIOUS (%)	PIPE OUTFLOW (m^3/s)	WEIR OUTFLOW (m^3/s)	BYPASS OUTFLOW (m^3/s)	POST-DEV FLOW (m^3/s)	OSD VOLUME (m^3)	TOTAL POST-DEV FLOW (m^3/s)	TOTAL PRE-DEV FLOW (m^3/s)
1	3565	95	94	0.083	N/A	0.015	0.098	21.375	0.175	0.244
BYPASS	1860	87	87	0.077	N/A	N/A	0.077			

STORM (100YR)

CATCHMENT / OSD NO.	CATCHMENT AREA (m^2)	PRE-DEV IMPERVIOUS (%)	POST-DEV IMPERVIOUS (%)	PIPE OUTFLOW (m^3/s)	WEIR OUTFLOW (m^3/s)	BYPASS OUTFLOW (m^3/s)	POST-DEV FLOW (m^3/s)	OSD VOLUME (m^3)	TOTAL POST-DEV FLOW (m^3/s)	TOTAL PRE-DEV FLOW (m^3/s)
1	3565	95	94	0.09	N/A	0.09	0.18	21.375	0.291	0.344
BYPASS	1860	87	87	0.111	N/A	N/A	0.111			





A1 PLOT 0 20 40 60 80 A3 PLOT
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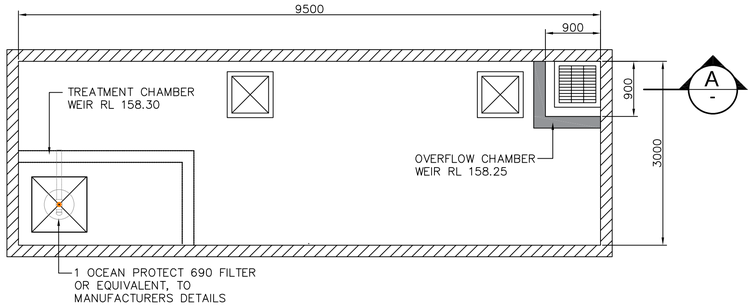
SCALE	NTS	SHEET No.

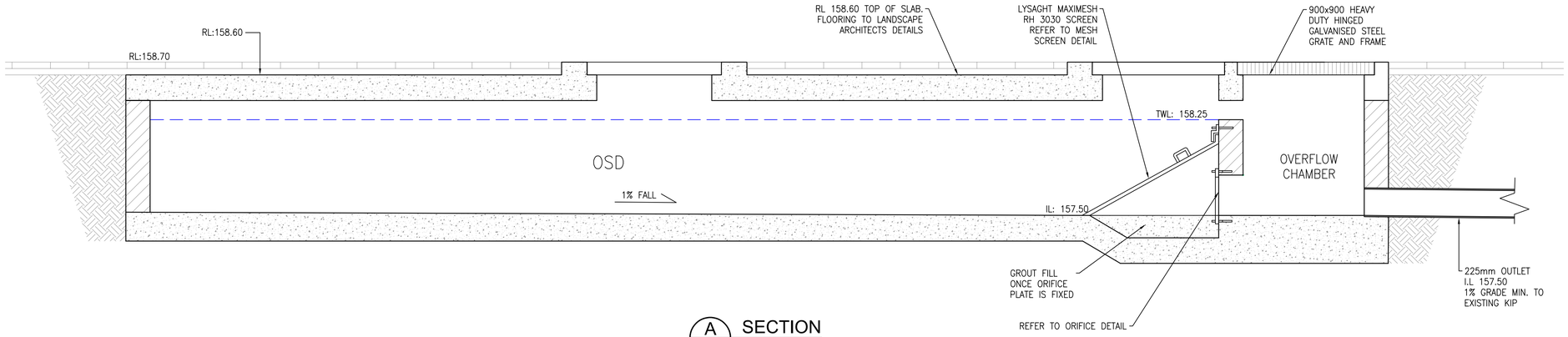
PROJECT
GOVERNMENT SERVICES BUILDING, PICTON

DRAWING TITLE
LEVEL 1 STORMWATER CATCHMENT PLAN

PROJECT No.	DRAWING No.	AMDT
8461-01	007	3



OSD PLAN
SCALE 1:50 AT A1



A SECTION
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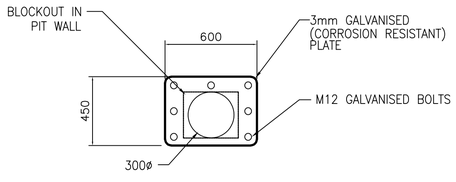

ORIFICE PLATE DETAIL
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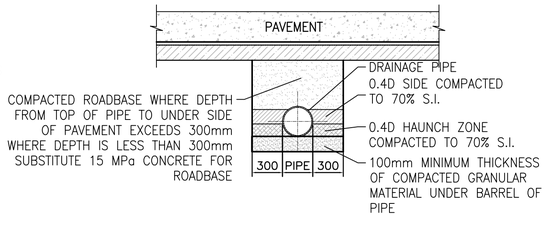

SECTION THROUGH STORMWATER DRAIN UNDER PAVEMENT
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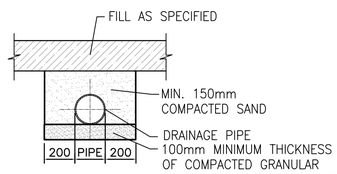
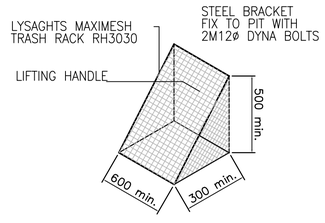


SECTION THROUGH STORMWATER DRAIN UNDER GROUND
(NOT TO SCALE)



MESH SCREEN DETAIL
(NOT TO SCALE)
GALVANISED LYSAGHT
RH3030MAXI MESH SCREEN IN
GALVANISED STEEL FRAME WITH
LIFTING HANDLES

NOTES:

1. ALL PITS IN VEHICLE PAVEMENT AREAS SHALL BE CLASS 'C' GATIC CAST IRON GRATE OR COVER OR EQUAL APPROVED TYPE UNLESS NOTED OTHERWISE.
2. ALL GRATED PITS IN FOOTPATH AND PEDESTRIAN PAVEMENTS SHALL BE APPROVED TYPE HEEL GUARD DDA COMPLIANT GRATES.
3. INSTALL HOT-DIPPED GALVANISED STEEL STEP IRONS AT 300 mm INTERVAL IN ALL PITS OF 900x900 IN EXCESS OF 1.0 METRE DEPTH.
4. ALL MILD STEEL GRATES AND FRAMES SHALL BE HOT-DIPPED GALVANISED IN ACCORDANCE WITH AS1650-1981.
5. TOP OF PITS SHALL MATCH SLOPE AND LEVEL OF ADJOINING FINISHED SURFACE LEVELS.
6. CONCRETE F'c = 40 MPa SULPHATE RESISTANT CEMENT QUARRY MIXED WITH XYPEX. OR APPROVED TYPE PRECAST PITS WITH 2% CEMENT STABILISED SAND BACK FILLING.

No.	AMENDMENT	APPROVED	DATE	AMENDED BY
3	ISSUE FOR DEVELOPMENT APPLICATION	M.S	21.07.23	D.K
2	ISSUE FOR 50% DETAILED DESIGN	M.S	30.06.23	D.K
1	ISSUE FOR COORDINATION	M.S	15.05.2023	M.M.

ARCHITECT
williamsross

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APPROVED	M.S	DATE	15.05.2023
CHECKED	M.S	DATE	15.05.2022
DESIGNED BY	M.S		
DRAWN BY	M.M.		
CAD FILE	H:\8461 Government Services Building\20 Drawings\20.1 Civil\01 Substage 1\01 Current Drawings\8461-01-008 OSD DETAILS.dwg		
SCALE	AS SHOWN	SHEET No.	

PROJECT
GOVERNMENT SERVICES BUILDING, PICTON

DRAWING TITLE
OSD DETAILS

PROJECT No.	DRAWING No.	AMDT
8461-01	008	3

GENERAL NOTES

1. ALL WORK TO COMPLY WITH MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION, FOURTH EDITION, MARCH 2004.
2. WASTE ENCLOSURES WILL BE USED FOR ALL RUBBISH ON SITE AND RUBBISH REMOVED FROM ENCLOSURE(S) WHEN REQUIRED OR FULL
3. THE CONTRACTOR PROPOSING TO DEVELOP THE SITE MUST HOLD AN ENVIRONMENT AUTHORISATION OR ENTER INTO AN ENVIRONMENT PROTECTION AGREEMENT WITH THE ENVIRONMENT PROTECTION AUTHORITY (EPA) IN RESPECT OF THE ACTIVITY PRIOR TO COMMENCEMENT OF CONSTRUCTION ((TELEPHONE 131 555)
4. CONTRACTOR TO ENSURE ALL APPROVALS ARE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION.

DUST MANAGEMENT

WHERE BUILDING WORK GENERATES DUST, ALL REASONABLE AND PRACTICABLE MEASURES SHOULD BE TAKEN TO MINIMISE THAT DUST.

THIS CAN OFTEN BE ACHIEVED BY:

1. STRIPPING AREAS PROGRESSIVELY AND ONLY WHERE IT IS NECESSARY FOR WORKS TO OCCUR.
2. EMPLOYING STABILISING METHODS SUCH AS MATTING, GRASSING OR MULCH.
3. DAMPENING THE GROUND WITH A LIGHT WATER SPRAY (CONTACT ENVIRONMENT PROTECTION AUTHORITY FOR REQUIREMENTS DURING EXTREME DROUGHT CONDITIONS).
4. ROUGHENING SURFACE OF EXPOSED SOIL.
5. COVERING STOCKPILES AND LOCATING THEM WHERE THEY ARE PROTECTED FROM THE WIND.
6. RESTRICTING VEHICLE MOVEMENTS.
7. ALL LOADS TO BE COVERED WHEN TRANSPORTING MATERIAL OFF SITE
8. CONSTRUCTING WIND BREAKS SUCH AS WIND FENCES IN ACCORDANCE WITH THE BLUE BOOK.
9. A WATER CART OR SUFFICIENT WATER SPRAYS SHALL BE MADE AVAILABLE AT ALL TIMES. IN ADVERSE CONDITIONS WHEN DUST CANNOT BE ADEQUATELY CONTROLLED WHEN WORKS AREA BEING UNDERTAKEN, WORKS WILL CEASE IN THESE AREAS UNTIL CONDITIONS IMPROVE.
10. WATER SHALL BE APPLIED TO SUPPRESS DUST FROM OPEN EARTHWORKS AS WELL AS UNPROTECTED STOCKPILES.
11. AREAS OF COMPLETED EARTHWORKS SHALL BE PROGRESSIVELY REHABILITATED WITH DRYLAND GRASS AND FENCED OFF AS SOON AS PRACTICABLE TO PREVENT FURTHER EROSION.
12. THE CONTRACTOR SHALL CONTACT QUEANBEYAN–PERLANG REGIONAL COUNCIL TO OBTAIN RECYCLED WATER FROM THE LOWER MOLONGLO.
13. THE CONTRACTOR IS TO CONTACT THE WATER RESOURCES UNIT TO OBTAIN AN EXEMPTION TO USE NON–POTABLE WATER FROM ON OR OFF THE SITE IF REQUIRED.
14. ALL WORK TO STOP IF DUST CONTINUES TO LEAVE SITE WHEN ALL ABOVE METHODS HAVE BEEN UNDERTAKEN

NOISE

ENSURE ALL BUILDING WORK THAT GENERATES NOISE IS CONDUCTED WITHIN THE TIME PERIODS DETAILED IN INTERIM CONSTRUCTION NOISE GUIDELINE, JULY 2009.

BUILDING WORK DETAILS	MONDAY TO FRIDAY	SATURDAY	SUNDAY AND PUBLIC HOLIDAYS
NORMAL CONSTRUCTION	6AM TO 8PM	8AM TO 1PM	NO WORK
BLASTING	9AM TO 5PM	8AM TO 8PM	NO BLASTING

IN ADDITION:

1. SCHEDULE NOISY ACTIVITIES FOR THE LEAST SENSITIVE TIMES OF THE DAY SUCH AS MID–MORNING OR MID–AFTERNOON.
2. SELECT MACHINERY THAT PRODUCES LESS NOISE; AND
3. ENSURE MACHINERY IS WELL MAINTAINED.

DISPOSAL OF SPOIL

BEFORE DISPOSAL OF SPOIL OFF SITE, THE FOLLOWING INFORMATION MUST BE PROVIDED TO ENVIRONMENT ACT:

1. WHERE WILL ORIGINATE FROM
2. WHO IS DISPOSING OF THE SPOIL
3. WHERE THE SPOIL WILL BE TAKEN
4. THE AMOUNT OF SPOIL TO BE TAKEN AWAY
5. DESCRIPTION OF THE TYPE OF SPOIL TAKEN AWAY
6. DETAILS OF HOW RECORDS WILL BE KEPT; AND
7. TIME FRAME TO COMPLETE WORKS TO THE SATISFACTION OF EPA NSW.

SPOIL MAY BE TAKEN TO AN APPROVED LANDFILL SITE WITHOUT APPROVAL. HOWEVER, IF THE SPOIL IS TAKEN TO AN AREA OTHER THAN APPROVED LANDFILL SITE, ENSURE THE ACCEPTOR OF THE SPOIL IS AWARE OF THE REQUIREMENTS SETOUT IN SECTION 143 OF THE PROTECTION OF THE ENVIRONMENT OPERATIONS ACT (NSW) 1997.

FIRE

BURNING OF WASTE MATERIALS ON THE SITE, SUCH AS PLASTICS, CHEMICALS OR WOOD THAT MAY BE PAINTED, CHEMICALLY TREATED OR CONTAMINATED WITH CHEMICALS IS ILLEGAL. A FIRE MAY BE PERMITTED FOR HEATING PURPOSES PROVIDED IT IS IN A BRAZIER OR CONSTRUCTED FIREPLACE. ONLY SEASONED, UNTREATED TIMBER CAN BE BURNT FOR HEATING PURPOSES.

SEDIMENT CONTROL NOTES

1. SEDIMENT AND EROSION CONTROL DEVICES TO BE INSTALLED AND FULLY OPERATIONAL PRIOR TO STRIPPING OF SITE TOPSOIL,
2. STOCK PILE/S TO BE LOCATED AWAY FROM DRAINAGE LINES AND SURFACE FLOW PATHS, CONTOURED STRIATIONS OR FURROWS TO BE PROVIDED TO STOCK PILES TO MINIMISE EROSION.
3. STABILISED CONSTRUCTION ENTRANCE TO BE CONSTRUCTED PRIOR TO ACCESS TO SITE BY CONSTRUCTION VEHICLES. AGGREGATE TO BE TURNED WHEN SEDIMENT BUILDS UP AND RENEWED WHEN REQUIRED.
4. WHERE STORMWATER DRAINAGE IS INSTALLED TO INTERNAL ROADWORKS, PROVIDE GRATED SUMP FILTER IN ACCORDANCE WITH EPA GUIDELINES.
5. BUILDER IS TO ESTABLISH A MAINTENANCE PROGRAM FOR SEDIMENT & EROSION CONTROL DEVICES TO ENSURE INSPECTION AFTER SIGNIFICANT RAINFALL AND THAT ANY REPAIRS NECESSARY ARE QUICKLY ATTENDED TO.
6. ALL NEW CONSTRUCTION WORK MUST BE CONTAINED WITHIN THE SITE EXCEPT FOR APPROVED SERVICE CONNECTIONS AND ROADWORKS.
7. LIMIT ACCESS TO SITE DURING AND IMMEDIATELY AFTER WET WEATHER.
8. REMOVE ANY SOIL FROM ROADS ADJACENT TO THE SITE AT THE END OF EACH DAY.
9. NO STORAGE OF CONSTRUCTION MATERIALS, PARKING OF VEHICLES NOR EQUIPMENT PERMITTED OUTSIDE OF BLOCK WITHOUT TAMS APPROVAL.
10. NO SITE SHEDS, STORAGE SHEDS, SITE AMENITIES TO BE ERECTED OUTSIDE OF BLOCK WITHOUT QPRC APPROVAL.
11. PROVIDE KERBSIDE FILTER ROLL TO SUMPS / STORMWATER INLETS ADJACENT TO THE SITE AND ANY ADDITIONAL SUMPS AS DETAILED.
12. KERBSIDE FILTER ROLLS TO BE REMOVED, CLEANED AND REINSTATED ON A WEEKLY BASIS AT A MINIMUM. TRAPPED SEDIMENT ABOUT SUMPS IS ALSO TO BE REMOVED. CLEANING IS ALSO TO TAKE PLACE IMMEDIATELY AFTER PERIODS OF RAINFALL DURING CONSTRUCTION.
13. ALL SERVICE TRENCHES TO BE BACKFILLED WITHIN 24 HOURS OF INSPECTION.
14. EXCESS SOIL IS TO BE DISPOSED AT AN ENVIRONMENT PROTECTION AUTHORITY APPROVED LOCATION.
15. THE SITE FOREMAN IS TO CONTACT ENVIRONMENT PROTECTION AUTHORITY (131 555) TO ARRANGE A SITE INSPECTION AND ENDORSEMENT OF SEDIMENT AND EROSION CONTROL MEASURES PRIOR TO WORKS COMMENCING.
16. THE SITE FOREMAN IS TO CONTACT ENVIRONMENT PROTECTION AUTHORITY (131 555) TO DISCUSS ANY MAJOR CHANGES TO SEDIMENT AND EROSION CONTROLS ON SITE PRIOR TO IMPLEMENTING THE CHANGES.
17. THE SITE FOREMAN WILL ENSURE CONTRACTORS ACCESS AND EXIT THE SITE USING ONLY ENVIRONMENT PROTECTION AUTHORITY APPROVED STABILISED ACCESS/EXIT POINTS AS DETAILED ON ENDORSED SEDIMENT AND EROSION CONTROL PLANS.
18. THE CONTRACTOR TO LIMIT STRIPPING OF TOPSOIL AND REMOVAL OF VEGETATION TO AREAS ESSENTIAL FOR UNDERTAKING THE WORKS.
19. DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION AS SOON AS PRACTICABLE.
20. THE CONTRACTOR SHALL LIMIT VEHICLES AND PLANT MOVEMENT TO PARKING AREAS AND ACCESS ROUTES AS APPROVED OR ONLY IN AREAS WHERE WORK IS PROCEEDING.
21. THE CONTRACTOR IS NOT ALLOWED TO PARK ON OR DISTURB ROAD VERGES EXCEPT WHERE NEW DRAINAGE LINES ARE REQUIRED.
22. CONTRACTOR TO RETAIN A COPY OF THE APPROVED "EROSION AND SEDIMENT CONTROL PLAN" DURING LAND DEVELOPMENT IN THE SITE OFFICE.
23. SERVICE EXCAVATIONS SHALL BE LEFT OPEN FOR THE MINIMUM PRACTICAL TIME AND SHALL NOT BE OPENED FOR A GREATER LENGTH THAN PIPES CAN BE REMOVED IN A DAY. PROGRESSIVELY CONSTRUCT WORK AND STABILISE.
24. ALL WATER DISCHARGED FROM BASEMENT EXCAVATIONS AFTER RAIN EVENTS TO BE TREATED AS PER ENVIRONMENT GUIDELINES BEFORE BEING PUMPED OUT

- TURBIDITY LESS THAN 50 NTA ON TURBIDITY TUBE
- PH IN RANGE OF 6.5 TO 8.5

MAINTENANCE SCHEDULE

WEEKLY:

1. TURN OVER STABILISED CONSTRUCTION ENTRY MATERIAL AND RENEW WHEN REQUIRED.
2. CHECK AND REINSTATE SILT CONTROL FENCES

DAILY:

3. SWEEP AND REMOVE DIRT AND ANY OTHER BUILDING MATERIAL FROM GUTTERS, FOOTPATHS OR ROADWAYS ADJACENT TO THE SITE BY CLOSE OF BUSINESS AND PRIOR TO RAIN AND WHEN REQUIRED. ALL NECESSARY STEPS SHOULD BE TAKEN THAT ARE PRACTICAL AND REASONABLE TO MINIMISE DUST POLLUTION ON LAND DEVELOPMENT AND CONSTRUCTION SITE.

DURING/AFTER WET WEATHER:

4. LIMIT CONSTRUCTION VEHICLE ACCESS TO SITE DURING AND IMMEDIATELY FOLLOWING WET WEATHER.

- SITE AREA: 513.0m²
- VOLUME OF MATERIAL TO BE REMOVED FROM SITE IS APPROX: TBC
- LOCATION FOR MATERIAL TO BE TRANSPORTED TO: TBC

SITE CONTACT	PERSON	MOBILE
TBC	TBC	TBC

CONSTRUCTION NOTES

1. STRIP TOPSOIL AND LEVEL SITE.
2. COMPACT SUB–GRADE.
3. COVER AREA WITH NEEDLE PUNCHED GEO–TEXTILE.
4. CONSTRUCT 200MM THICK PAD OVER GEO–TEXTILE USING ROAD BASE OR 30MM AGGREGATE. MINIMUM LENGTH 15 METRES OR TO BUILDING ALIGNMENT. MINIMUM WIDTH 3 METRES.
5. CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE OR OTHER SEDIMENT TRAP.

A1 PLOT 2000 40 20 0 20 40 60 80 A3 PLOT 4000

No.	AMENDMENT	APPROVED	DATE	AMENDED BY
1	ISSUE FOR DA APPLICATION	M.S	21.07.23	D.K

ARCHITECT: williamsross

CLIENT: Wollondilly Shire Council

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DESIGNED BY	D.K	
DRAWN BY	D.K	
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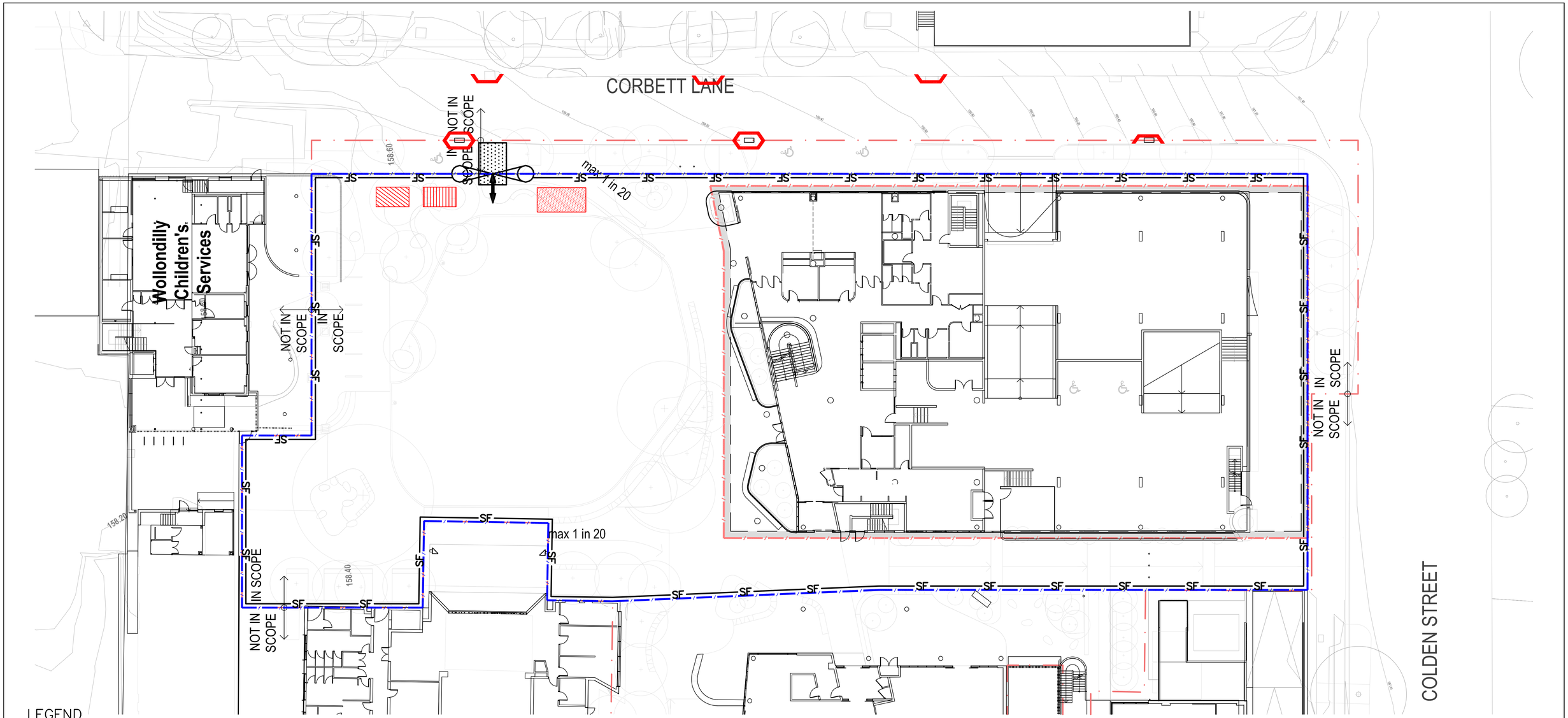
SCALE	AS SHOWN	SHEET No.

PROJECT: GOVERNMENT SERVICES BUILDING, PICTON

DRAWING TITLE: SOIL EROSION AND SEDIMENTATION NOTES

PROJECT No.	DRAWING No.	AMDT
8461-01	020	1



LEGEND

EXISTING SERVICES

- SITE BOUNDARY
- SW — EXISTING STORMWATER
- 558.0 — MAJOR CONTOURS
- 558.2 — MINOR CONTOURS
- TREE
- TREE TO BE REMOVED

PROPOSED SERVICES

- SF — SILT FENCE
- TEMPORARY FENCING
- TREE PROTECTION FENCE
- LIMIT OF WORKS

- WASTE MANAGEMENT AREA
- SITE OFFICE/ COMPOUND
- WORKERS CAR PARKING AREA
- SITE ACCESS (STABILISED ENTRANCE)
- GATE
- SUMP INLET PROTECTION
- STOCK PILE AREA

A1 PLOT 2000 40 20 0 20 40 60 80 A3 PLOT 4000

No.	AMENDMENT	APPROVED	DATE	AMENDED BY
1	ISSUE FOR DA APPLICATION	M.S	21.07.23	D.K

ARCHITECT: williamsross

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DRAWN BY	D.K		
CAD FILE	H:\8461 Government Services Building\20 Drawings\20.1 Civil\01 Substage 1\01 Current Drawings\8461-01-021 SOIL EROSION AND SEDIMENTATION PLAN.dwg		
SCALE	AS SHOWN	SHEET No.	

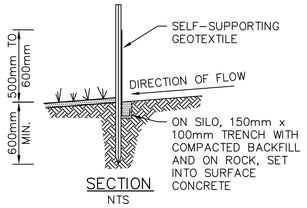
PROJECT: GOVERNMENT SERVICES BUILDING, PICTON

DRAWING TITLE: SOIL EROSION AND SEDIMENT CONTROL PLAN

PROJECT No.	DRAWING No.	AMDT
8461-01	021	1

EROSION CONTROL

1. ALL EROSION CONTROL DEVICES ARE TO BE MAINTAINED/REPAIRED DAILY.
2. CONTROL AND SLOW DIRTY WATER FROM PADS AS REQUIRED.
   HAY BALES AND/OR ROCK CHECK DAMS TO BE USED TO SLOW FLOW



SECTION
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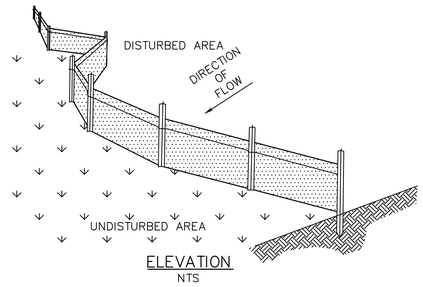

ELEVATION
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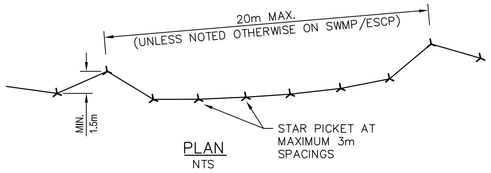


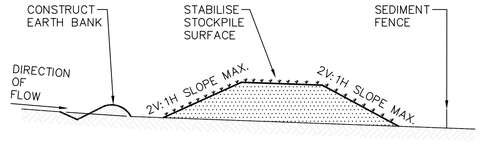
PLAN
NTS

GENERAL CONSTRUCTION NOTES

1. CONSTRUCTION SEDIMENT FENCES AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE
2. DIVE 1.5m LONG STAR PICKETS INTO GROUND, 3m APART
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED
4. BACKFILL TRENCH OVER BASE OF FABRIC
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP

SEDIMENT FENCE

NTS

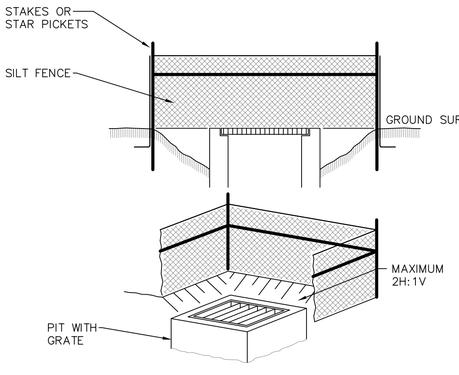


GENERAL CONSTRUCTION NOTES

1. LOCATE STOCKPILE AT LEAST 5m FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS
2. CONSTRUCT ON THE CONTOUR AS A LOW, FLAT, ELONGATED MOUND
3. WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LASS THAN 2m IN HEIGHT
4. REHANILITATE IN ACCORDANCE WITH THE SWMP/ESCP
5. CONSTRUCT EARTH BANK ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE AND A SEDIMENT FENCE 1 TO 2m DOWNSLOPE OF STOCKPILE

STOCKPILES

NTS



SURFACE INLET PIT PROTECTION

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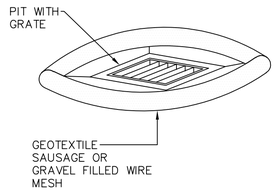

SURFACE INLET SEDIMENT TRAP

NTS

A1 PLOT 2000 40 20 0 20 40 60 80 4000 A3 PLOT

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SCALE	AS SHOWN	SHEET No.

PROJECT: GOVERNMENT SERVICES BUILDING, PICTON

DRAWING TITLE: SOIL EROSION AND SEDIMENTATION DETAILS

PROJECT No.	DRAWING No.	AMDT
8461-01	021	1