HUNTINGWOOD EAST ESTATE
AUGUSTA STREET, HUNTINGWOOD EAST, NSW, 2148
STATE SIGNIFICANT DEVELOPMENT APPLICATION MOD2



LOCALITY PLAN
N.TS

GENERAL NOTES:

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS AUSTRALIA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
3. ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE.
   ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
   ENGINEER'S DRAWINGS ISSUED IN ANY ELECTRONIC FORMAT MUST NOT BE USED FOR DIMENSIONAL SETOUT. REFER TO THE ARCHITECT'S DRAWINGS FOR ALL DIMENSIONAL SETOUT INFORMATION.
4. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.
5. UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
6. ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH ACCEPTABLE SAFETY STANDARDS & APPROPRIATE SAFETY SIGNS SHALL BE INSTALLED AT ALL TIMES DURING THE PROGRESS OF THE JOB.

ELECTRONIC INFORMATION NOTES:

1. THE ISSUED DRAWINGS IN HARD COPY OR PDF FORMAT TAKE PRECEDENCE OVER ANY ELECTRONICALLY ISSUED INFORMATION, LAYOUTS OR DESIGN MODELS.
2. THE CONTRACTOR'S DIRECT AMENDMENT OR MANIPULATION OF THE DATA OR INFORMATION THAT MIGHT BE CONTAINED WITHIN AN ENGINEER-SUPPLIED DIGITAL TERRAIN MODEL AND ITS SUBSEQUENT USE TO UNDERTAKE THE WORKS WILL BE SOLELY AT THE DISCRETION OF AND THE RISK OF THE CONTRACTOR.
3. THE CONTRACTOR IS REQUIRED TO HIGHLIGHT ANY DISCREPANCIES BETWEEN THE DIGITAL TERRAIN MODEL AND INFORMATION PROVIDED IN THE CONTRACT AND/OR DRAWINGS AND IS REQUIRED TO SEEK CLARIFICATION FROM THE SUPERINTENDENT.
4. THE ENGINEER WILL NOT BE LIABLE OR RESPONSIBLE FOR THE POSSIBLE ON-GOING NEED TO UPDATE THE DIGITAL TERRAIN MODEL, SHOULD THERE BE ANY AMENDMENTS OR CHANGES TO THE DRAWINGS OR CONTRACT INITIATED BY THE CONTRACTOR.

FOR SSDA MOD

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA MOD	19.06.26	D
ISSUED FOR SSDA MOD	12.06.26	C
ISSUED FOR INFORMATION	05.06.26	B
ISSUED FOR INFORMATION	02.06.26	A

AMENDMENTS	DATE	ISSUE

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PROJECT
PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
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CIVIL & STRUCTURAL ENGINEERS

DRAWING TITLE
COVER SHEET & GENERAL NOTES

DRAWING No C013904.03-SMMD2-001 ISSUE D

DRAWING LIST

DRAWING NO.	DRAWING TITLE
GENERAL:	
C013904.03-SMMD2-001	COVER SHEET & GENERAL NOTES
C013904.03-SMMD2-002	DRAWING LIST
C013904.03-SMMD2-010	GENERAL ARRANGEMENT PLAN
C013904.03-SMMD2-011	EXISTING SERVICES PLAN KEY PLAN
C013904.03-SMMD2-012	EASEMENTS KEY PLAN
C013904.03-SMMD2-021	TYPICAL EROSION AND SEDIMENT CONTROL DETAILS - SHEET 1
C013904.03-SMMD2-022	TYPICAL EROSION AND SEDIMENT CONTROL DETAILS - SHEET 2
C013904.03-SMMD2-041	TYPICAL STORMWATER DRAINAGE DETAILS - SHEET 1
C013904.03-SMMD2-042	TYPICAL STORMWATER DRAINAGE DETAILS - SHEET 2
C013904.03-SMMD2-043	TYPICAL STORMWATER DRAINAGE DETAILS - SHEET 3
C013904.03-SMMD2-044	TYPICAL STORMWATER DRAINAGE DETAILS - SHEET 4
C013904.03-SMMD2-050	PRE DEVELOPMENT STORMWATER CATCHMENT PLAN
C013904.03-SMMD2-051	POST DEVELOPMENT STORMWATER CATCHMENT PLAN
WAREHOUSE 1	
C013904.03-SMMD2-130	WH1 - BULK EARTHWORKS PLAN
C013904.03-SMMD2-131	WH1 - CUT & FILL PLAN
C013904.03-SMMD2-135	WH1 - BULK EARTHWORKS SECTIONS - SHEET 1
C013904.03-SMMD2-140	WH1 - STORMWATER DRAINAGE PLAN
C013904.03-SMMD2-141	WESTERN SWALE PLAN
C013904.03-SMMD2-145	WH1 - STORMWATER DRAINAGE LONG SECTIONS
C013904.03-SMMD2-150	WH1 - FINISHED LEVELS PLAN
C013904.03-SMMD2-155	WH1 - TYPICAL SECTIONS - SHEET 1
C013904.03-SMMD2-156	WH1 - TYPICAL SECTIONS - SHEET 2
C013904.03-SMMD2-171	WH1 - OSD DETAILS - SHEET 1
WAREHOUSE 2	
C013904.03-SMMD2-230	WH2 - BULK EARTHWORKS PLAN
C013904.03-SMMD2-231	WH2 - CUT & FILL PLAN
C013904.03-SMMD2-235	WH2 - BULK EARTHWORKS SECTIONS - SHEET 1
C013904.03-SMMD2-236	WH2 - BULK EARTHWORKS SECTIONS - SHEET 2
C013904.03-SMMD2-240	WH2 - STORMWATER DRAINAGE PLAN
C013904.03-SMMD2-245	WH2 - STORMWATER DRAINAGE LONG SECTIONS
C013904.03-SMMD2-250	WH2 - FINISHED LEVELS PLAN
C013904.03-SMMD2-255	WH2 - TYPICAL SECTIONS - SHEET 1
C013904.03-SMMD2-256	WH2 - TYPICAL SECTIONS - SHEET 2
C013904.03-SMMD2-271	WH2 - OSD DETAILS - SHEET 1

DRAWING LIST

DRAWING NO.	DRAWING TITLE
WAREHOUSE 3 & 4	
C013904.03-SMMD2-330	WH3&4 - BULK EARTHWORKS KEY PLAN
C013904.03-SMMD2-331	WH3&4 - BULK EARTHWORKS PLAN - SHEET 1
C013904.03-SMMD2-332	WH3&4 - BULK EARTHWORKS PLAN - SHEET 2
C013904.03-SMMD2-333	WH3&4 - BULK EARTHWORKS PLAN - SHEET 3
C013904.03-SMMD2-334	WH3&4 - BULK EARTHWORKS PLAN - SHEET 4
C013904.03-SMMD2-335	WH3&4 - BULK EARTHWORKS PLAN - SHEET 5
C013904.03-SMMD2-336	WH3&4 - CUT & FILL PLAN
C013904.03-SMMD2-337	WH3&4 - BULK EARTHWORKS SECTIONS - SHEET 1
C013904.03-SMMD2-338	WH3&4 - BULK EARTHWORKS SECTIONS - SHEET 2
C013904.03-SMMD2-339	WH3&4 - BULK EARTHWORKS SECTIONS - SHEET 3
C013904.03-SMMD2-340	WH3&4 - STORMWATER DRAINAGE KEY PLAN
C013904.03-SMMD2-341	WH3&4 - STORMWATER DRAINAGE PLAN - SHEET 1
C013904.03-SMMD2-342	WH3&4 - STORMWATER DRAINAGE PLAN - SHEET 2
C013904.03-SMMD2-343	WH3&4 - STORMWATER DRAINAGE PLAN - SHEET 3
C013904.03-SMMD2-344	WH3&4 - STORMWATER DRAINAGE PLAN - SHEET 4
C013904.03-SMMD2-345	WH3&4 - STORMWATER DRAINAGE PLAN - SHEET 5
C013904.03-SMMD2-347	WH3&4 - STORMWATER DRAINAGE LONG SECTIONS - SHEET 1
C013904.03-SMMD2-348	WH3&4 - STORMWATER DRAINAGE LONG SECTIONS - SHEET 2
C013904.03-SMMD2-349	WH3&4 - PIT SCHEDULE
C013904.03-SMMD2-350	WH3&4 - FINISHED LEVELS KEY PLAN
C013904.03-SMMD2-351	WH3&4 - FINISHED LEVELS PLAN - SHEET 1
C013904.03-SMMD2-352	WH3&4 - FINISHED LEVELS PLAN - SHEET 2
C013904.03-SMMD2-353	WH3&4 - FINISHED LEVELS PLAN - SHEET 3
C013904.03-SMMD2-354	WH3&4 - FINISHED LEVELS PLAN - SHEET 4
C013904.03-SMMD2-355	WH3&4 - FINISHED LEVELS PLAN - SHEET 5
C013904.03-SMMD2-357	WH3&4 - TYPICAL SECTIONS - SHEET 1
C013904.03-SMMD2-358	WH3&4 - TYPICAL SECTIONS - SHEET 2
C013904.03-SMMD2-371	WH3&4 - OSD 1 DETAILS - SHEET 1

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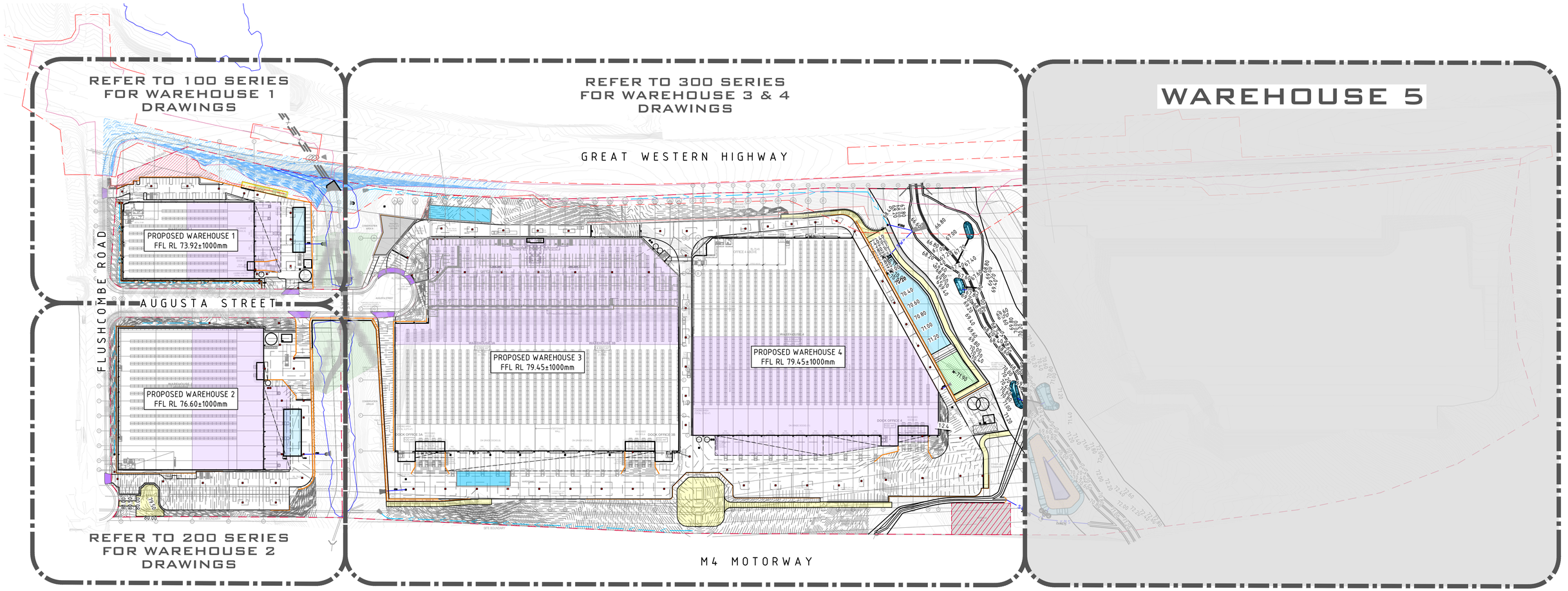
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CIVIL & STRUCTURAL ENGINEERS

DRAWING TITLE
DRAWING LIST

DRAWING No C013904.03-SMMD2-002

ISSUE E



GENERAL ARRANGEMENT PLAN
SCALE 1:1250

FINISHED FLOOR LEVEL TABLE

BLDG	APPROVED FFL (m)	PROPOSED FFL (m)
1	73.32	73.92
2	76.00	76.60
3	78.10	79.45
4	78.10	79.45
5 (GF)	82.40	83.20

THIS TABLE PROVIDES A COMPARISON OF THE APPROVED AND PROPOSED MODIFICATION FFL's. THE FFL's HAVE INCREASED TO ACCOUNT FOR OVERALL ESTATE CUT TO FILL, AND TO ALLOW FOR ADDITIONAL SPOIL GENERATED BY THE UNDERCROFT CARPARK.

10m 0 25 50 75 100 125m
SCALE 1:1250 AT B1 SIZE SHEET

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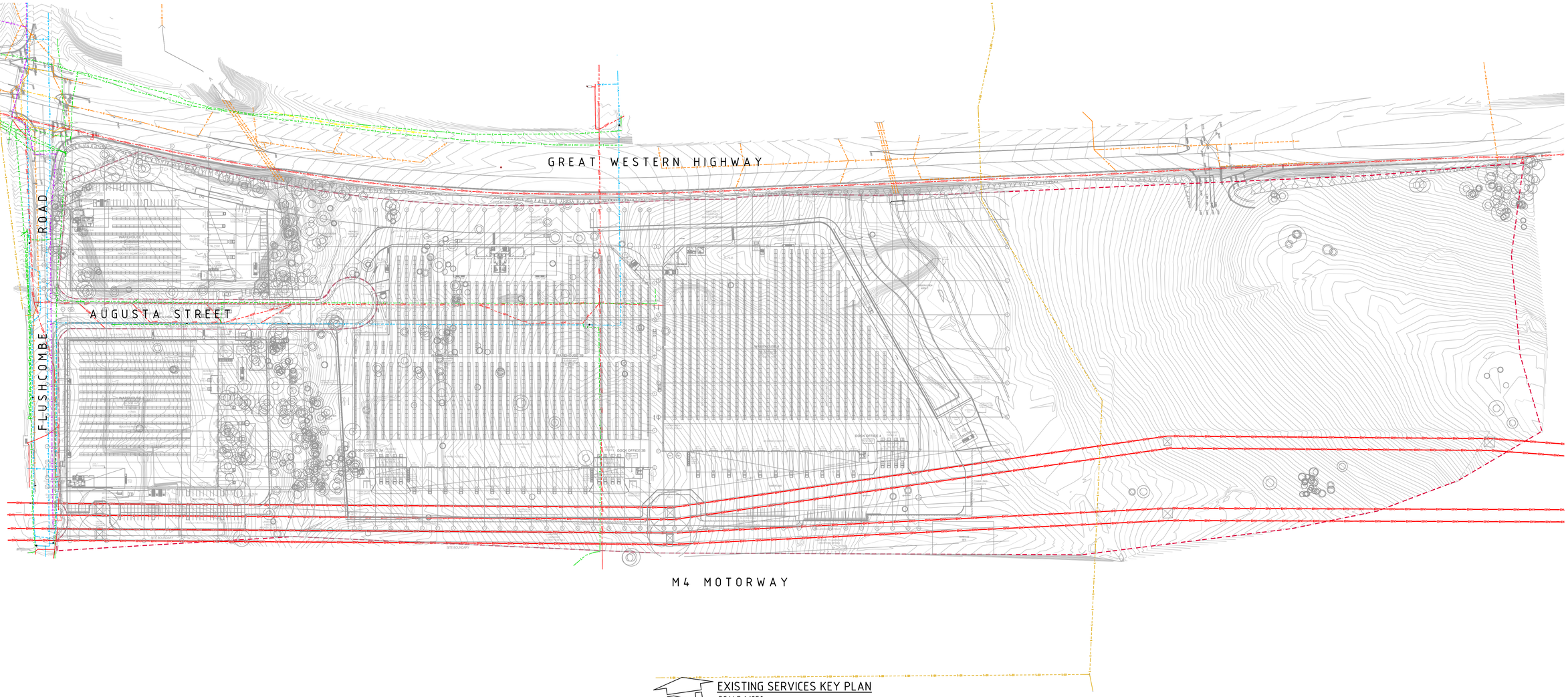
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DRAWING TITLE
GENERAL ARRANGEMENT PLAN

DRAWING No C013904.03-SMMD2-010 ISSUE C



EXISTING SERVICES KEY PLAN
SCALE 1:1250

LEGEND:

- EXISTING STORMWATER PIPE
- EXISTING WATER PIPE
- EXISTING ELEC. CABLE (OVERHEAD)
- EXISTING ELEC. CABLE (U/G)
- EXISTING ELEC. CABLE (HIGH VOLTAGE)
- EXISTING COMMUNICATIONS CABLE
- EXISTING SEWER LINE
- EXISTING GAS LINE

10m 0 25 50 75 100 125m
SCALE 1:1250 AT B1 SIZE SHEET

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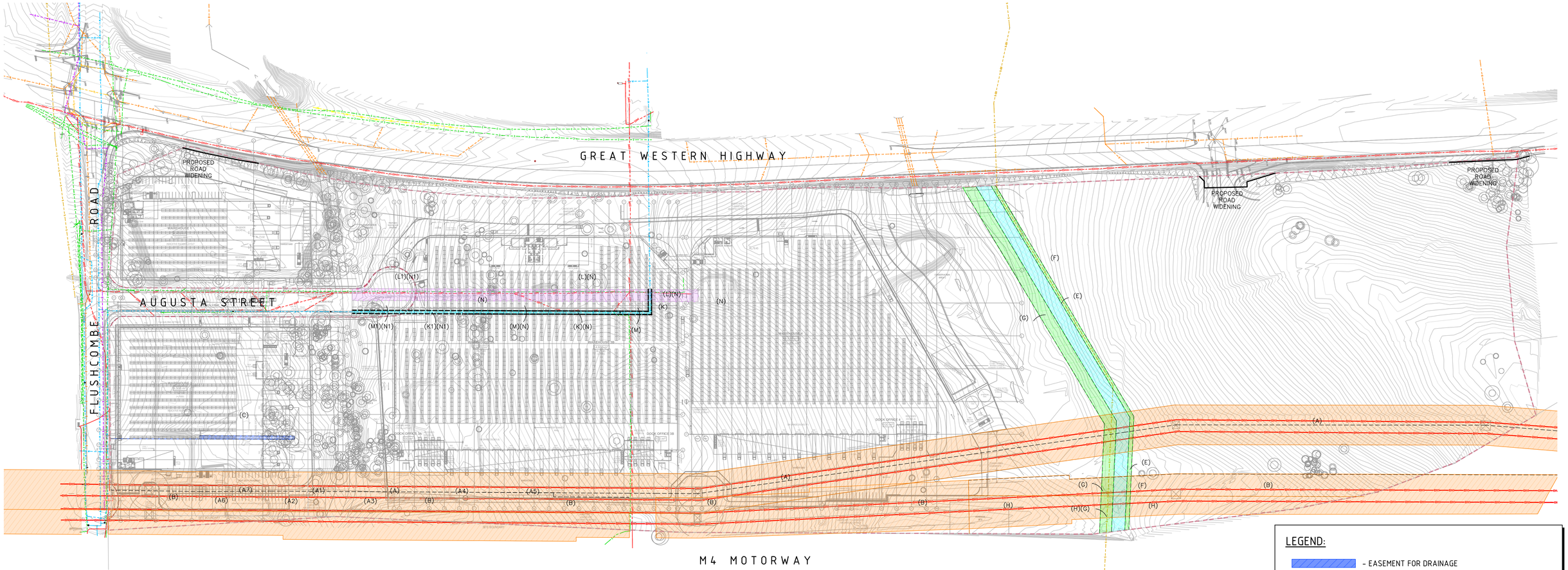
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DRAWING TITLE
EXISTING SERVICES KEY PLAN

DRAWING No C013904.03-SMMD2-011
ISSUE C



EASEMENTS KEY PLAN
SCALE 1:1250

LEGEND:

- EASEMENT FOR DRAINAGE
- EASEMENT FOR WATER SUPPLY
- EASEMENT FOR OVERHEAD POWERLINES
- EASEMENT FOR CONSTRUCTION
- EASEMENT FOR TRANSMISSION LINES

(A1) EASEMENT FOR TRANSMISSION LINE 30 WIDE (R730705)
(A2) EASEMENT FOR TRANSMISSION LINE (J983245)
(A3) EASEMENT FOR TRANSMISSION LINE (J983234)
(A4) EASEMENT FOR TRANSMISSION LINE (T722919)
(A5) EASEMENT FOR TRANSMISSION LINE (T536159)
(A6) EASEMENT FOR TRANSMISSION LINE (K116727)
(A7) EASEMENT FOR TRANSMISSION LINE (V378957)
(A) PROPOSED EASEMENT FOR TRANSMISSION LINE 30 WIDE (DP604009)
(B) EASEMENT FOR TRANSMISSION LINE VARIABLE WIDTH (J946973)
(C) PROPOSED DRAINAGE EASEMENT 2.44 WIDE (DP8716)(A392054)
(E) EASEMENT FOR CONSTRUCTION 3 WIDE (DP1216918)
(F) EASEMENT FOR WATER SUPPLY PURPOSES 10 WIDE (DP1216918)
(G) EASEMENT FOR CONSTRUCTION 9 WIDE (DP1216918)
(H) EASEMENT FOR TRANSMISSION LINE (K116733)
(K) EASEMENT FOR WATER SUPPLY PURPOSES 2.5 WIDE (DP1263824)
(L) EASEMENT FOR OVERHEAD POWER LINES 9 WIDE (DP1263824)
(M) RIGHT OF ACCESS 5 WIDE & VARIABLE (DP1263824)
(N) PROPOSED RIGHT OF ACCESS 20.115 WIDE (DP1263824)
(L1) EASEMENT FOR OVERHEAD POWERLINES 9 WIDE (DP1300050)
(N1) PROPOSED RIGHT OF ACCESS 20.115 WIDE
(M1) RIGHT OF ACCESS 5 WIDE (DP1300050)
(K1) EASEMENT FOR WATER SUPPY PURPOSES 2.5 WIDE (DP1300050)

10m 0 25 50 75 100 125m
SCALE 1:1250 AT B1 SIZE SHEET

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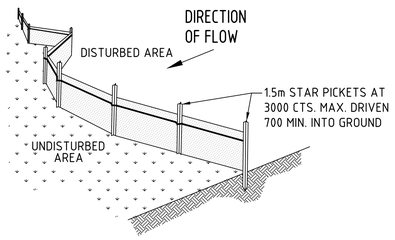
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DRAWING TITLE
EASEMENT KEY PLAN

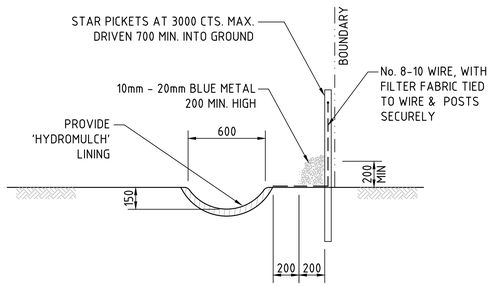
DRAWING No C013904.03-SMMD2-012
ISSUE C



TYPICAL SILT FENCE DETAIL

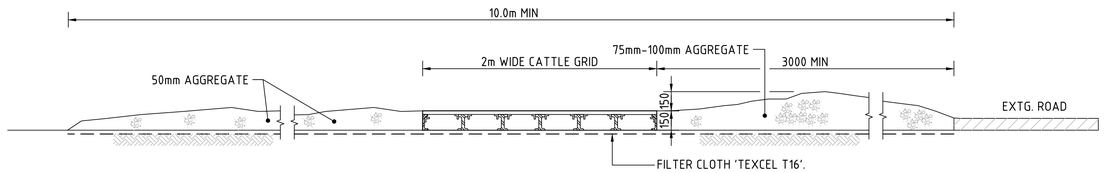
N.T.S

NOTE: PROVIDE 1m RETURNS AT 30m INTERVALS. TYPICAL

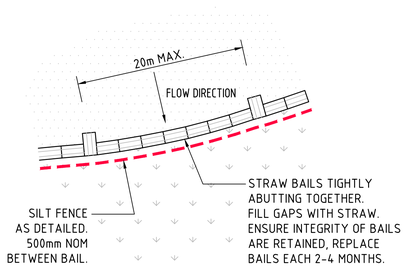


TYPICAL OPEN DRAIN & SILT FENCE

SCALE 1:20

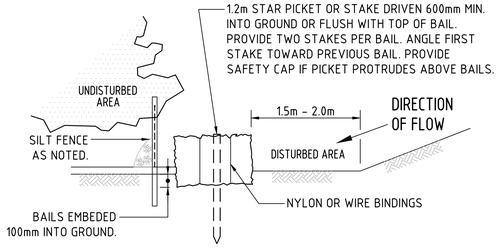


SECTION 1:20 1/201 : STABILISED CONSTRUCTION ENTRANCE 'TRUCK SHAKER'



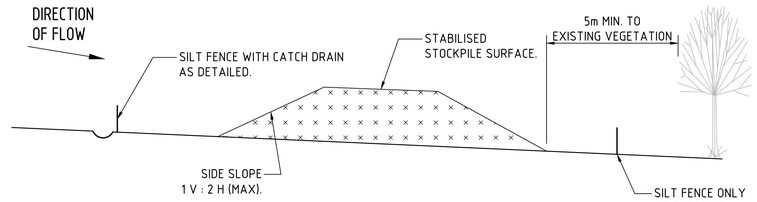
SILT FENCE WITH HAY BAIL PLAN

N.T.S



SILT FENCE WITH HAY BAIL DETAIL

N.T.S

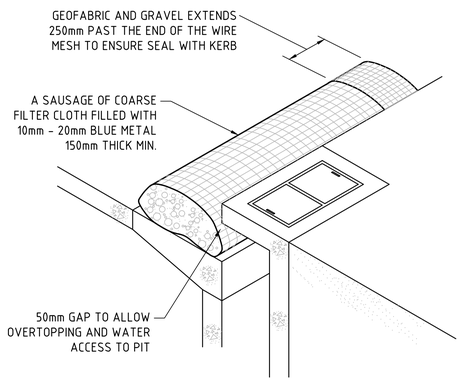


TYPICAL STOCKPILE DETAIL

N.T.S

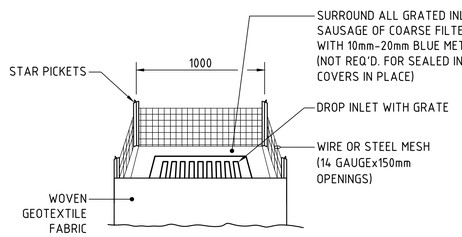
STOCKPILE NOTES

1. PLACE ALL STOCKPILES IN LOCATIONS MORE THAN 5m FROM EXISTING VEGETATION, ROADS & HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT ELONGATED MOUNDS. SIDE SLOPE TO BE 1 V: 2 H MAX.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. WHERE STOCKPILES ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE USING WOOD CHIP MULCH - 16 TONNE/Ha.
5. CONSTRUCT SILT FENCE WITH CATCH DRAIN ON UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES & SILT FENCE ONLY 1 TO 2m DOWNSLOPE AS SHOWN.



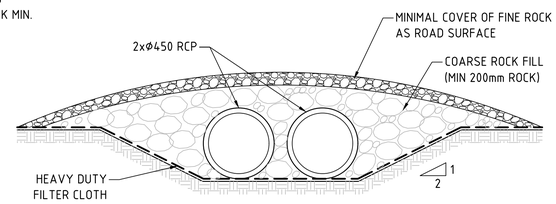
KERB INLET CONTROL

N.T.S



GRATED INLET PIT FILTER DETAIL

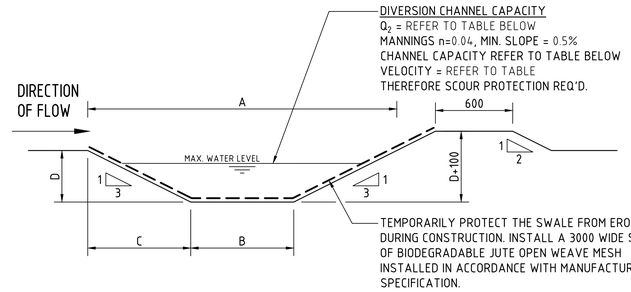
N.T.S



TYPICAL CROSSING OVER DIVERSION CHANNEL

SCALE 1:20

NOTE :
ADOPT ABOVE DETAILS AROUND ALL PITS WITHIN AREA ENCOMPASSED BY SILT FENCE & TO PITS ON THE ROAD ADJACENT TO SITE BOUNDARY.



DIVERSION DRAIN SECTION

SCALE 1:20

DIVERSION DRAIN SCHEDULE

CATCHMENT (Ha)	Q_2 (l/s)	MANNINGS (n)	MIN SLOPE (%)	DIM 'A' (m)	DIM 'B' (m)	DIM 'C' (m)	DIM 'D' (m)	CHANNEL CAPACITY (l/s + 10% FREEBOARD)	VELOCITY (m/s)	SCOUR PROTECTION REQUIRED
C1 - 1.80Ha	78.96	0.04	0.50	2.40	0.30	1.05	0.35	274.093	0.548	NO
C2 - 3.15Ha	114.16	0.04	0.50	2.40	0.30	1.05	0.35	274.093	0.548	NO
C3A - 1.30Ha	133.97	0.04	0.50	2.40	0.30	1.05	0.35	274.093	0.548	NO
C3B - 3.50Ha	163.02	0.04	0.50	2.40	0.30	1.05	0.35	274.093	0.548	NO
C4 - 8.00Ha	260.43	0.04	0.50	2.60	0.50	1.05	0.35	274.093	0.572	NO
C5A - 7.30Ha	257.03	0.04	0.50	2.60	0.50	1.05	0.35	274.093	0.572	NO
C5B - 2.00Ha	109.62	0.04	0.50	2.40	0.30	1.05	0.35	274.093	0.548	NO

200mm 0 500 1000 1500 2000mm

SCALE 1:20 AT B1 SIZE SHEET

FOR SSDA MOD

AMENDMENTS	DATE	ISSUE
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ISSUED FOR SSDA MOD	12.06.26	B
ISSUED FOR INFORMATION	02.06.26	A

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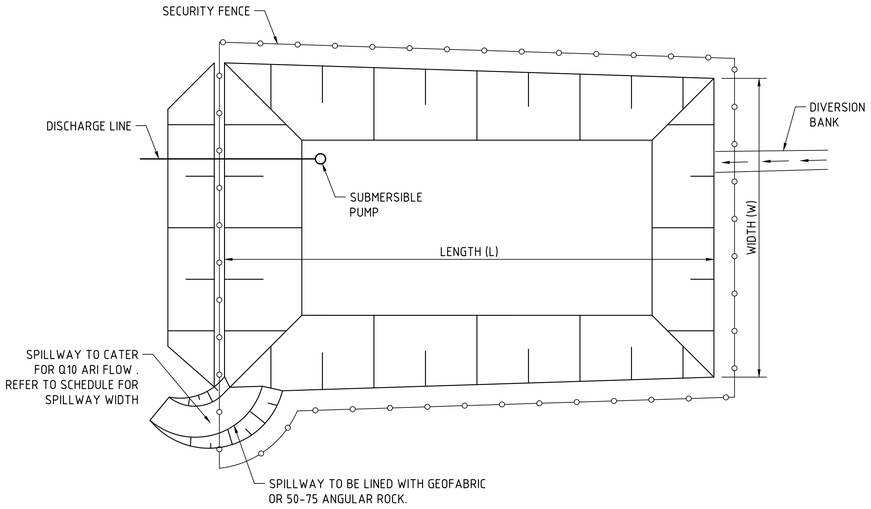
PROJECT
PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
KP	JB	JUNE 2026	LDV	B1	AS SHOWN	C013904.03-SMMD2-021

DRAWING TITLE
TYPICAL EROSION AND SEDIMENT CONTROL DETAILS - SHEET 1

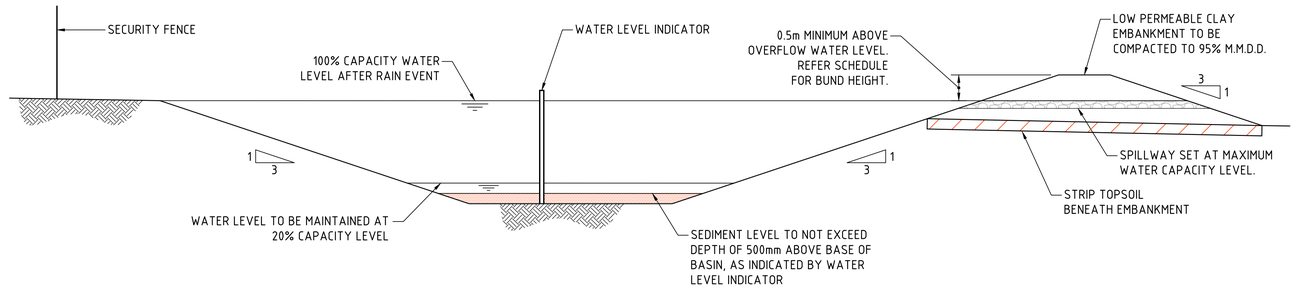
DRAWING No C013904.03-SMMD2-021

ISSUE C



TYPICAL SEDIMENT CONTROL POND PLAN

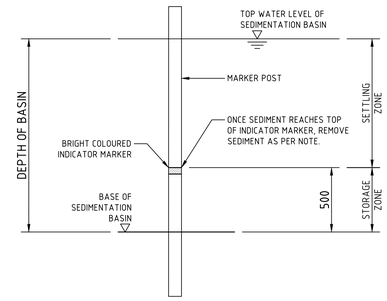
SCALE 1:250



TYPICAL SEDIMENT CONTROL BASIN SECTION

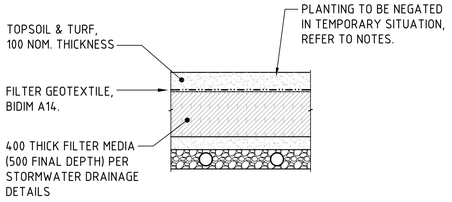
SCALE 1:50

SPILLWAY DETAIL & SCHEDULE					
CATCHMENT (Ha)	FLOW (m^3/s)	WIDTH (mm)	FLOW DEPTH (mm)	ROCK SIZE (mm)	BUND HEIGHT ABOVE SPILLWAY (mm)
0.20	0.14	1000	200	-	600
0.5	0.2	2000	200	-	600
1	0.3	2000	200	-	700
2	0.6	4000	200	-	700
5	1.4	5000	300	200	800
10	2.8	8000	350	200	850
20	5.5	14000	400	250	900
40	11.0	20000	500	250	1000



SEDIMENT STORAGE MARKER

SCALE 1:20



TEMPORARY BIO-RETENTION PROTECTION DETAIL

SCALE 1:20

TEMPORARY CONSTRUCTION REQUIREMENT DETAIL - PROVIDE 100mm TOPSOIL AND TEMPORARY EROSION PROTECTION (JUTEMASTER OR EQUIV) TO SWALE BATTER SLOPES AND ADJACENT LANDSCAPED AREAS. NOTE THAT NO TOPSOIL IS TO BE PLACED OVER FILTRATION MEDIA. PROVIDE SILT FENCE TO TOP OF BANK UNTIL SUCH TIME AS THIS STABILISING AND VEGETATION HAS BEEN COMPLETED.

BIO-RETENTION TO BE PARTIALLY INSTALLED, FOLLOWING COMPLETION OF EARTHWORKS, WITH THE TOP 75-100mm OF FILTER MEDIA REPLACED WITH A FINE TO COARSE SAND UNDERLAIN WITH A GEOTEXTILE LAYER (PER ABOVE DETAIL). FOLLOWING COMPLETION OF THE UPSTREAM DEVELOPMENT AND SITE STABILISATION, THE SAND IS TO BE REMOVED, REPLACED WITH FILTER MATERIAL AND PLANTED OUT. REFER TO BIO-RETENTION NOTES ON DRAWING C013904.03-SSDA454.

TEMPORARY BIO-RETENTION BASIN PROTECTION DETAILS

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE SHEET

500mm 0 1 2 3 4 5m
SCALE 1:50 AT B1 SIZE SHEET

2m 0 5 10 15 20 25m
SCALE 1:250 AT B1 SIZE SHEET

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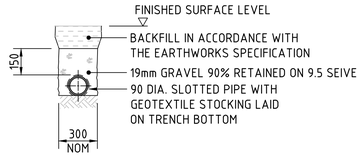
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DRAWING TITLE
TYPICAL EROSION AND SEDIMENT CONTROL DETAILS - SHEET 2

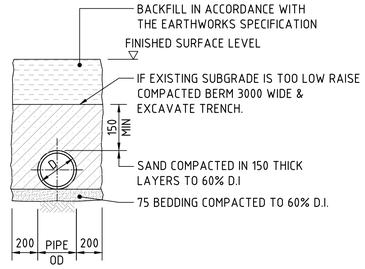
DRAWING No C013904.03-SMMD2-022

ISSUE C



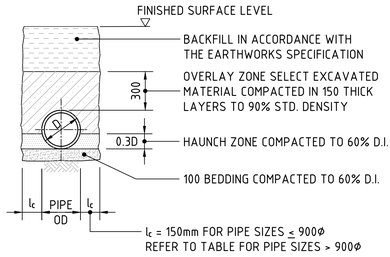
SUPPORT TO AGRICULTURAL DRAIN

SCALE 1:20



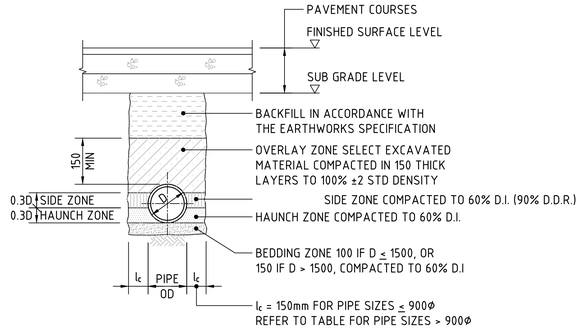
SUPPORT TO uPVC PIPES

SCALE 1:20



TYPE H1 SUPPORT TO CONCRETE PIPES AT LANDSCAPED AREAS

SCALE 1:20

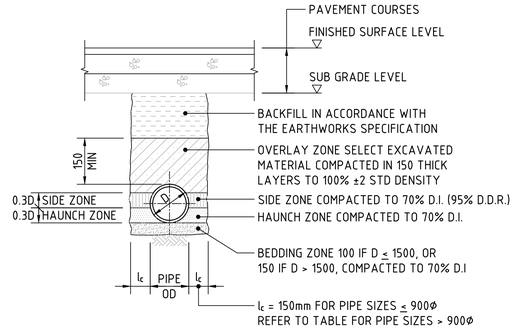


TYPE HS2 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT

SCALE 1:20

D ≤ 1350, MAX FILL = 4.0m

D > 1350, MAX FILL = 3.0m

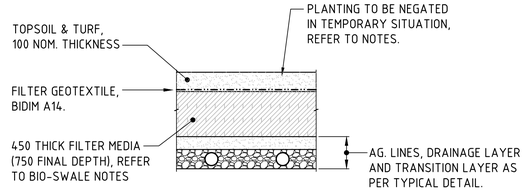


TYPE HS3 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT

SCALE 1:20

D ≤ 1050, MAX FILL = 6.0m

D > 1050, MAX FILL = 4.8m



TEMPORARY BIO-RETENTION PROTECTION DETAIL

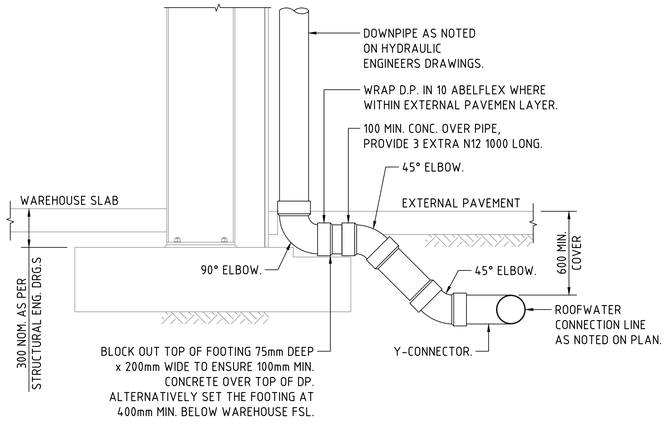
SCALE 1:20

TEMPORARY CONSTRUCTION REQUIREMENT DETAIL -
REFER TO NOTES FOR IMPLEMENTATION PERIODS.

BEDDING & HAUNCH MATERIAL GRADING	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
19.0	100
2.36	100 TO 50
0.60	90 TO 20
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

SIDE ZONE WIDTH	
PIPE SIZE (mm)	l_c (mm)
≤ 900Ø	150
1050Ø	175
1200Ø	200
1350Ø	225
1500Ø	250
1650Ø	275
1800Ø	300
ENGINEER TO SPECIFY TRENCH WIDTHS FOR PIPE SIZES GREATER THAN 1800Ø	

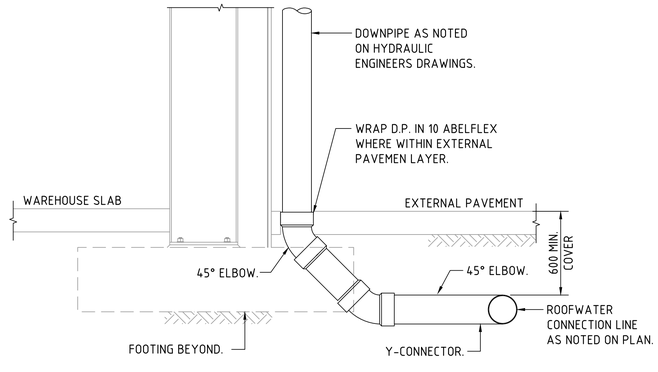
SIDE ZONE MATERIAL GRADING	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
19.0	100
9.5	100 TO 50
2.6	100 TO 30
0.60	50 TO 15
0.075	25 TO 0
SELECT FILL MATERIAL IN ACCORDANCE WITH TABLE 1 AS 3725	



DOWNPIPE TURN-UP DETAIL A

(AT FOOTING LOCATION)

SCALE 1:20



DOWNPIPE TURN-UP DETAIL B

(CLEAR OF FOOTING)

SCALE 1:20

200mm 0 500 1000 1500 2000mm

SCALE 1:20 AT B1 SIZE SHEET

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AMENDMENTS	DATE	ISSUE

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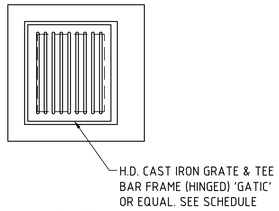
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DRAWING TITLE

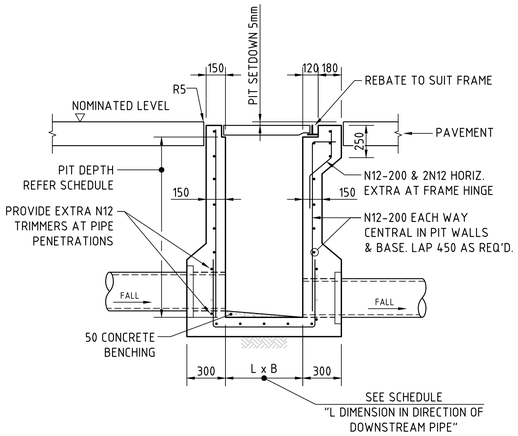
TYPICAL STORMWATER DRAINAGE DETAILS - SHEET 1

DRAWING No C013904.03-SMMD2-041

ISSUE C

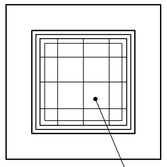


PLAN
SCALE 1:20

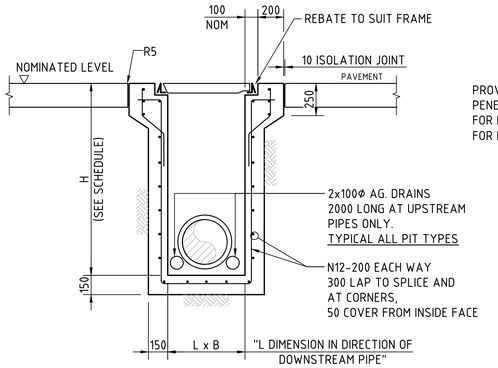


SECTION
SCALE 1:20

SINGLE GRATED GULLY PIT - SGGP

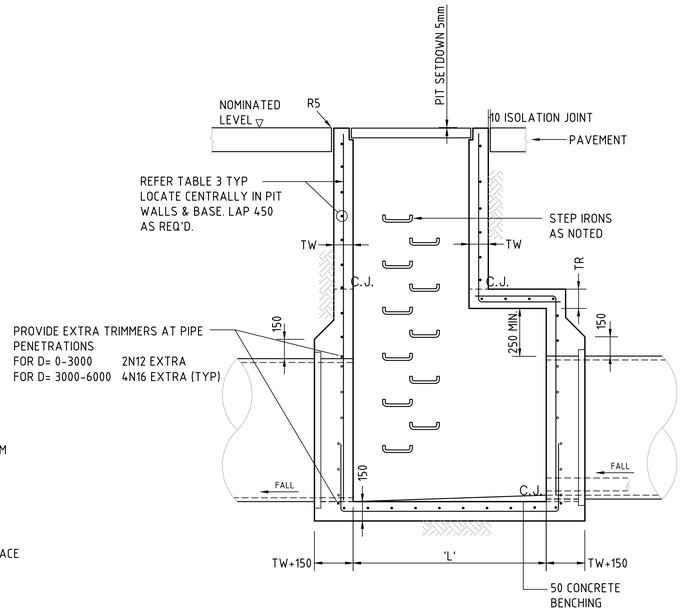


PLAN
SCALE 1:20

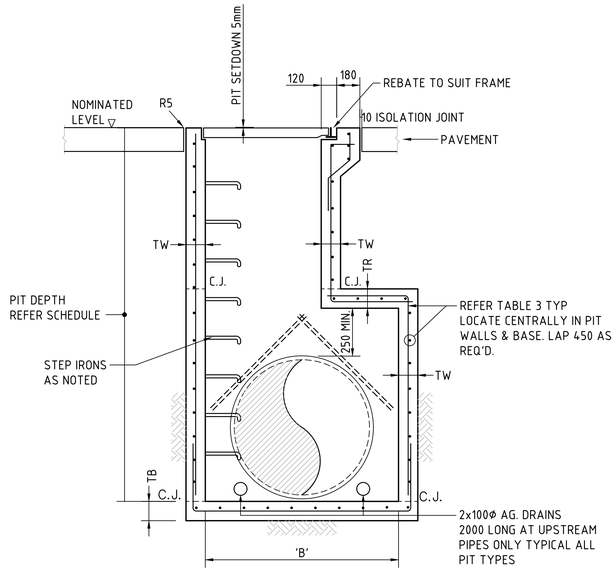


SECTION
SCALE 1:20

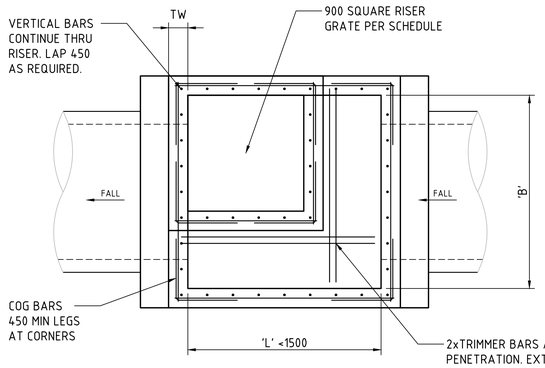
SEALED JUNCTION PIT - SJP



SECTION
SCALE 1:20



SECTION
SCALE 1:20

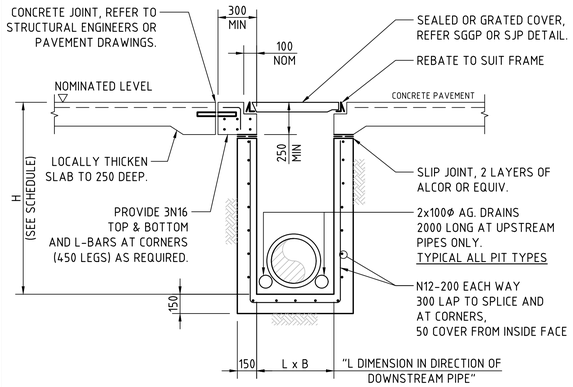


PLAN
SCALE 1:20

TAPERED SINGLE GRATED GULLY PIT - SGGP

SUBSOIL NOT SHOWN
FOR CLARITY.

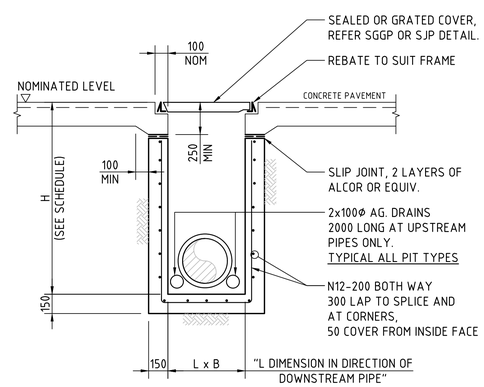
TABLE 3 - TAPERED CLASS D PIT REINFORCEMENT & WALL THICKNESS						
DEPTH 'H'	WALL THICKNESS 'TW'	WALL REINFORCEMENT	ROOF THICKNESS 'TR'	ROOF REINFORCEMENT	BASE THICKNESS 'TB'	BASE REINFORCEMENT
<1.5m	150mm	N12-200 EACH WAY	150mm	N12-200 EACH WAY	150mm	N12-200 EACH WAY
1.5m-3.0m	150mm	N12-200 EACH WAY	150mm	N12-200 EACH WAY	150mm	N12-200 EACH WAY
3.0m-4.5m	200mm	N16-200 EACH WAY	200mm	N16-200 EACH WAY	200mm	N12-200 EACH WAY
4.5-6.0	250mm	N16-200 EACH WAY	250mm	N16-200 EACH WAY	250mm	N16-200 EACH WAY



SECTION
SCALE 1:20

SJP/CIS & SGGP/CIS (CAST IN SLAB) PIT DETAIL GRATE/COVER SUPPORT CAST-INTO PAVEMENT SLAB

(ADOPT IN CONCRETE PAVEMENT FOR SGGP's & SJP's, WHERE PITS ARE LOCATED IN THE CORNER OF SLAB PANELS OR ADJACENT TO SLAB PANEL JOINTS)



SECTION
SCALE 1:20

SJP/CIS & SGGP/CIS (CAST IN SLAB) PIT DETAIL GRATE/COVER SUPPORT CAST-INTO PAVEMENT SLAB

(ADOPT IN CONCRETE PAVEMENTS FOR SGGP's & SJP's, WHERE JOINTS ARE NOT LOCATED WITHIN PROXIMITY OF THE GRATE)

FOR SSDA MOD

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE SHEET

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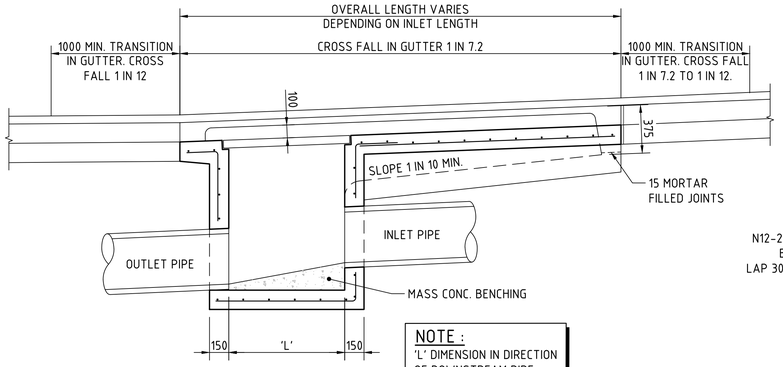
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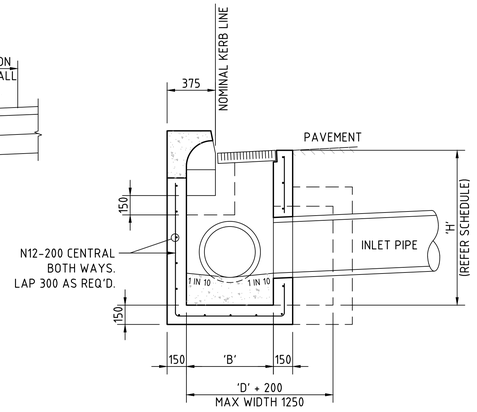
DRAWING TITLE
TYPICAL STORMWATER DRAINAGE DETAILS - SHEET 2

DRAWING No C013904.03-SMMD2-042
ISSUE C

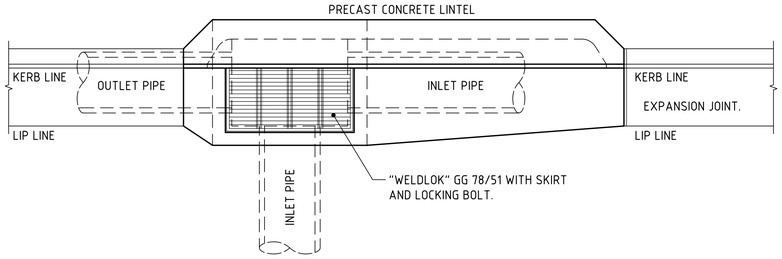


NOTE :
'L' DIMENSION IN DIRECTION OF DOWNSTREAM PIPE

LONG SECTION
SCALE 1:20



CROSS SECTION
SCALE 1:20

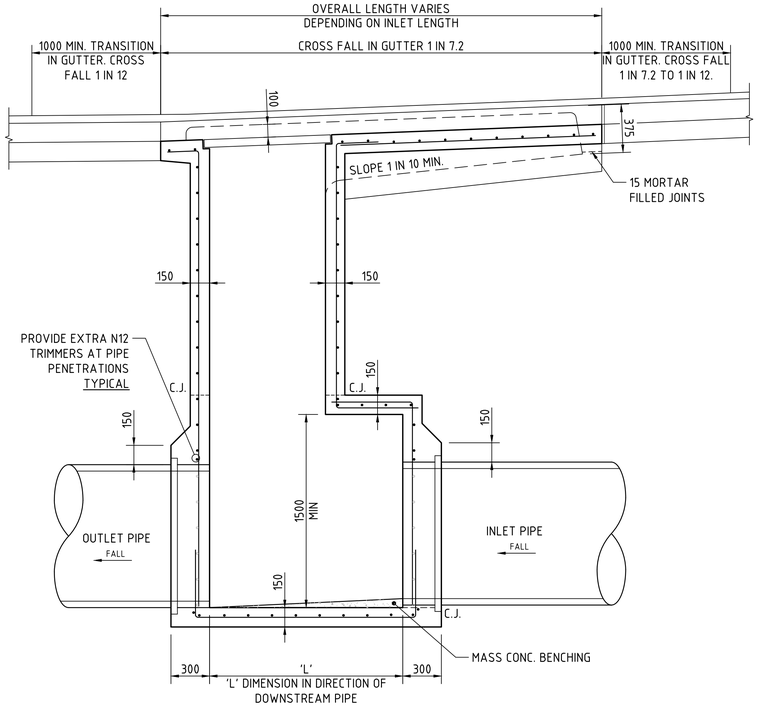


PLAN
SCALE 1:20

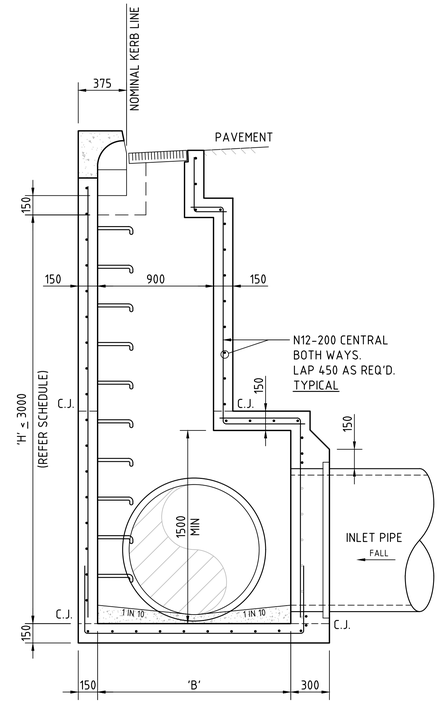
CONCRETE QUALITY					
ELEMENT	SLUMP	AGGREGATE (MAX. SIZE)	CEMENT TYPE	ADMIXTURE	F'c (MPa)
PIT	80	20	GP	NIL	32

NOTE :

1. WHERE GULLY PIT IS LOCATED ON KERB RETURNS OR BULB OF CUL-DE-SACS PROVIDE CURVED PRECAST CONCRETE LINTELS.
2. SAG PITS SHALL HAVE LINTEL PLACED CENTRALLY ABOUT THE GRATE.
3. ALL REINFORCING TO HAVE 30 MIN. CLAER CONCRETE COVER.
4. FOR PITS DEEPER THAN 1000mm CLIMB RAILS SHALL BE PROVIDED.

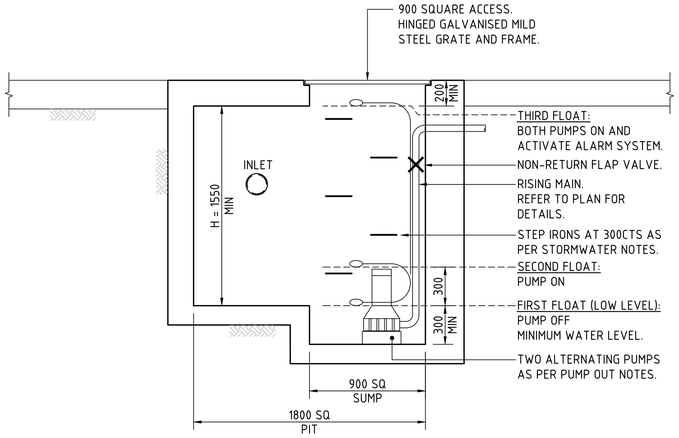


LONG SECTION
SCALE 1:20



CROSS SECTION
SCALE 1:20

KERB INLET PIT - KIP



PUMP OUT PIT DETAIL
SCALE 1:20
REFER TYPICAL PIT DETAILS FOR ALL ITEMS NOT LABELED.

BASEMENT PUMP OUT NOTES:

PUMP SYSTEM IS TO CONSIST OF DUAL ALTERNATING PUMPS. THE PUMP OUT SYSTEM SHALL BE DESIGNED TO BE OPERATED IN THE FOLLOWING MANNER:

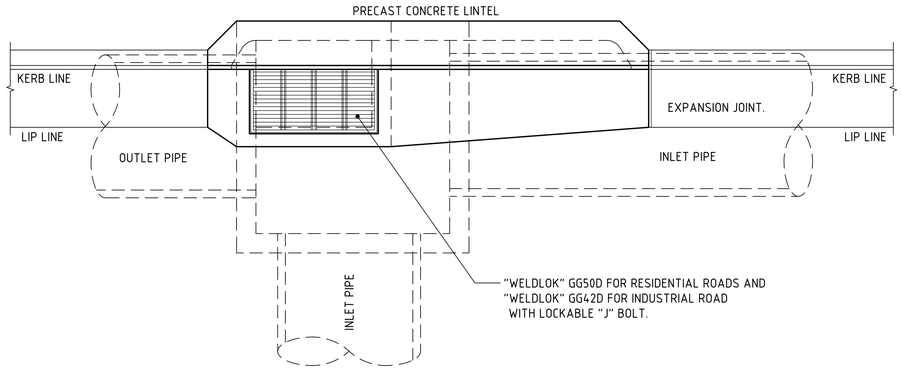
Q PUMP = 25 L/s VOLUME = 5.0 m^3 (MIN.)
THE PUMPS SHALL BE PROGRAMMED TO WORK ALTERNATIVELY SO AS TO ALLOW BOTH PUMPS TO HAVE AN EQUAL OPERATION LOAD AND PUMP LIFE.

A LOW LEVEL FLOAT SHALL BE PROVIDED TO ENSURE THAT THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE PIT . IN THIS REGARD THIS FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMPS.

A SECOND FLOAT SHALL BE PROVIDED AT A HIGHER LEVEL, APPROXIMATELY 300mm ABOVE THE MINIMUM WATER LEVEL, WHEREBY ONE OF THE PUMPS WILL OPERATE AND DRAIN THE PIT TO THE LEVEL OF THE LOW-LEVEL FLOAT.

A THIRD FLOAT SHALL BE PROVIDED AT A HIGH LEVEL, WHICH IS APPROXIMATELY THE TOP LEVEL OF THE PIT. THIS FLOAT SHOULD START THE OTHER PUMP THAT IS NOT OPERATING AND ACTIVATE THE ALARM.

AN ALARM SYSTEM SHALL BE PROVIDED WITH A FLASHING STROBE LIGHT AND A PUMP FAILURE WARNING SIGN WHICH ARE TO BE LOCATED AT THE ENTRANCE TO THE BASEMENT LEVEL. THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE.



PLAN
SCALE 1:20

TAPERED KERB INLET PIT - KIP

SUBSOIL NOT SHOWN FOR CLARITY

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE SHEET

FOR SSDA MOD

AMENDMENTS	DATE	ISSUE
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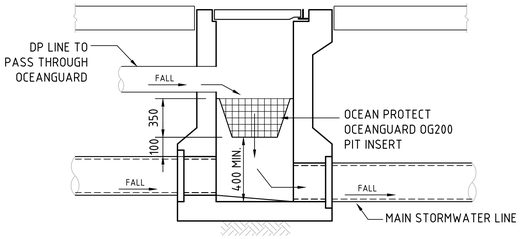
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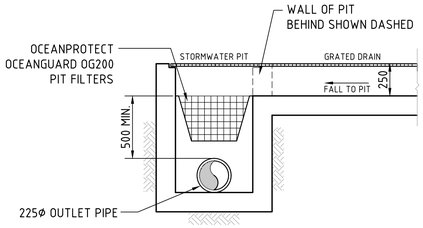
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DRAWING TITLE
TYPICAL STORMWATER DRAINAGE DETAILS - SHEET 3

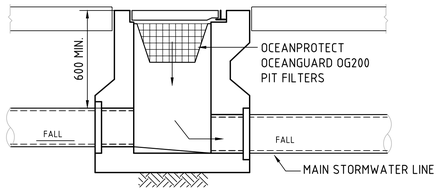
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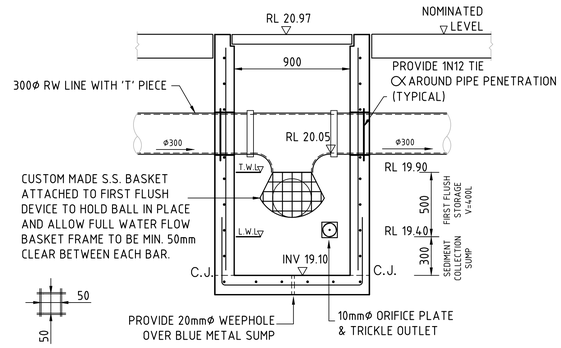
ROOFWATER/STORMWATER PIT WITH
OCEANGUARD CONFIGURATION
SCALE 1:20



GRATED DRAIN/STORMWATER PIT WITH OCEANPROTECT
OCEANGUARD OG200 PIT CONFIGURATION
SCALE 1:20

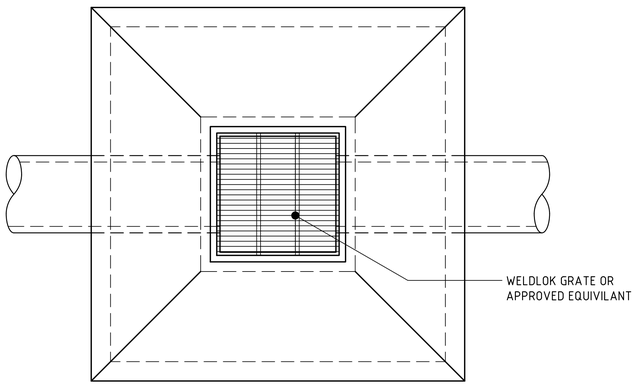


STORMWATER PIT WITH OCEANPROTECT
OCEANGUARD OG200 PIT CONFIGURATION
SCALE 1:20

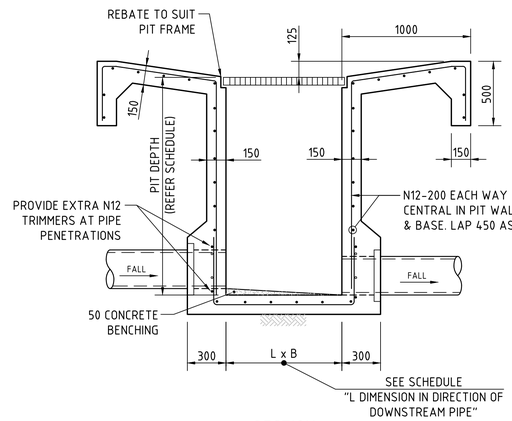


FIRST FLUSH PIT DETAIL
SCALE 1:20

OCEANGUARD OG200 PIT CONFIGURATION



PLAN
SCALE 1:20



SECTION
SCALE 1:20

FIELD INLET PIT - FIP

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE SHEET

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DRAWING TITLE
TYPICAL STORMWATER DRAINAGE DETAILS
- SHEET 4

DRAWING No C013904.03-SMMD2-044

ISSUE C

GREAT WESTERN HIGHWAY

3xØ1150 RCP

3xØ1150 RCP

AUGUSTA STREET

FLUSHCOMBE ROAD

CAT 1
1.825 HA

CAT 2
3.177 HA

CAT 3
1.328 HA

CAT 4
3.496 HA

CAT 5
7.995 HA

CAT 6
7.276 HA

CAT 6
2.007 HA

M4 MOTORWAY

Ø1800 RCP

CAT US4
3.17 HA

M4 MOTORWAY

Ø900 RCP

CAT US5
5.00 HA

Ø1800 RCP

M4 MOTORWAY

CAT US1
25.00 HA

CAT US2
5.09 HA

CAT US3
22.01 HA

PRE DEVELOPMENT STORMWATER CATCHMENT PLAN
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

FOR SSDA MOD

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DRAWING TITLE
PRE DEVELOPMENT STORMWATER CATCHMENT PLAN

DRAWING No C013904.03-SMMD2-050

ISSUE C

GREAT WESTERN HIGHWAY

3xØ1150 RCP

3xØ1150 RCP

AUGUSTA STREET

FLUSHCOMBE ROAD

CAT 1
1.765 HA

CAT 2
2.877 HA

CAT 3A
2.691 HA

CAT 3B
3.456 HA

CAT 4
7.334 HA

CAT 5
7.879 HA

CAT 6
1.635 HA

M4 MOTORWAY

Ø1800 RCP

CAT US4
3.17 HA

M4 MOTORWAY

Ø900 RCP

CAT US5
5.00 HA

Ø1800 RCP

M4 MOTORWAY

CAT US1
25.00 HA

CAT US2
5.09 HA

CAT US3
22.01 HA

POST DEVELOPMENT STORMWATER CATCHMENT PLAN
SCALE 1:1500

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:1500 AT B1 SIZE SHEET

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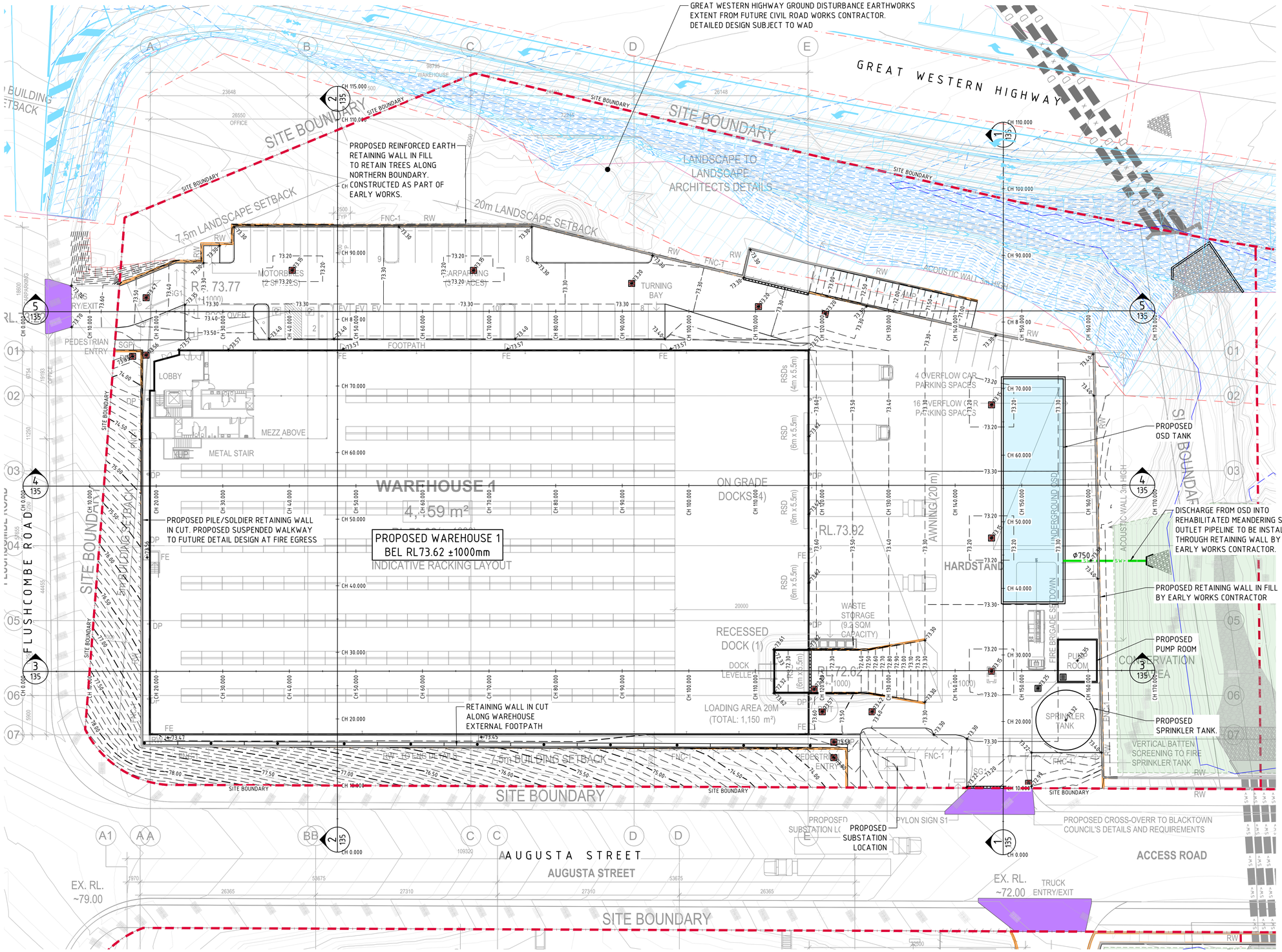
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DRAWING TITLE
POST DEVELOPMENT STORMWATER CATCHMENT PLAN

DRAWING No C013904.03-SMMD2-051

ISSUE C



WAREHOUSE 1 - BULK EARTHWORKS PLAN
SCALE 1:250

SITE PREPARATION NOTES:

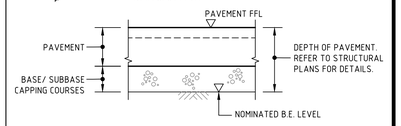
1. ALL EARTHWORKS SHALL BE COMPLETED GENERALLY IN ACCORDANCE WITH THE GUIDELINES SPECIFIED BY THE GEOTECHNICAL REPORT PSM4636-007L PROVIDED BY PSM CONSULT PTY LTD DATED 22/03/2022.
2. EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY LANDPARTNERS TITLED SY074904.002.2.2 DATED 04/03/2022.
3. STRIP ANY TOP SOIL OR DELETERIOUS MATERIAL AND DISPOSE OF FROM SITE OR STORE AS DIRECTED.
4. COMPLETE CUT TO FILL EARTHWORKS TO ACHIEVE THE REQUIRED LEVELS AS INDICATED ON THE DRAWINGS WITHIN A TOLERANCE OF +0mm/-10mm THROUGH BUILDING PADS/PAVEMENTS AND +0mm/-20mm ELSEWHERE.
5. PREPARE STEEP BATTERS TO RECEIVE FILL BY CONSTRUCTING BENCHING TO FACILITATE FILL PLACEMENT AND COMPACTION. WHERE EXPOSED ROCK (WEATHERED SHALE OR SANDSTONE) IS ENCOUNTERED AT CUT SUBGRADE LEVEL, THE EARTHWORKS CONTRACTOR IS TO ALLOW TO RIP THE SURFACE TO A NOMINAL 0.3-0.4m DEPTH AND RECOMPACT (PER THE ENGINEERING SPEC) AS REQUIRED.
6. AREAS TO RECEIVE FILL (THAT ARE NOT ON BENCHED BATTERS) AND AREAS IN CUT SHALL BE PROOF ROLLED TO IDENTIFY ANY SOFT HEAVING MATERIAL. SOFT MATERIAL SHALL BE BOXED OUT AND REMOVED PRIOR TO FILL PLACEMENT. PROOF ROLLING TO BE INSPECTED BY A GEOTECHNICAL ENGINEER OR THE EARTHWORKS DESIGNER.
7. SITE WON FILL SHALL BE COMPACTED IN MAXIMUM 300mm LAYERS AND TO DRY OR HILF DENSITY RATIOS (STANDARD COMPACTION) OF BETWEEN 98% AND 103%. THE PLACEMENT MOISTURE VARIATION OR HILF MOISTURE VARIATION SHALL BE CONTROLLED TO BE BETWEEN 2% DRY AND 2% WET.
8. IMPORTED FILL SHALL BE COMPACTED IN MAXIMUM 300mm LAYERS AND TO DRY OR HILF DENSITY RATIOS (STANDARD COMPACTION) OF BETWEEN 98% AND 103%. THE PLACEMENT MOISTURE VARIATION OR HILF MOISTURE VARIATION SHALL BE CONTROLLED TO BE BETWEEN 2% DRY AND 2% WET.
9. ALL ENGINEERED FILL PARTICLES SHALL BE ABLE TO BE INCORPORATED WITHIN A SINGLE LAYER. FURTHER, LESS THAN 30% OF PARTICLES SHALL BE RETAINED ON THE 37.5 mm SIEVE. ENGINEERED FILL SHALL BE ABLE TO BE TESTED IN ACCORDANCE WITH THE STANDARD COMPACTION METHOD (AS1289.5.4.1) OR HILF TEST METHOD (AS1289.5.7.1). THESE METHODS REQUIRE LESS THAN 20% RETAINED ON THE 37.5 mm SIEVE. WHERE BETWEEN 20% AND 30% OF PARTICLES ARE RETAINED ON THE 37.5 mm SIEVE THE ABOVE TEST METHODS SHALL STILL BE ADOPTED AND TEST REPORTS ANNOTATED APPROPRIATELY. THESE REQUIREMENTS SHOULD BE MET BY THE MATERIAL AFTER PLACEMENT AND COMPACTION
10. ALL EARTHWORKS SHALL BE COMPLETED UNDER LEVEL 1 CONTROL IN ACCORDANCE WITH AS 3798-2007.
11. ALL THE EARTHWORKS UNDERTAKEN AND THE SUBGRADE CONDITION IN THE CUT AREAS (IN THE STATED PERIOD) ARE DOCUMENTED IN THE REPORTS AND HAVE BEEN UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION.
12. PRIOR TO ANY EARTHWORKS, EROSION CONTROL AS OUTLINED IN THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE COMPLETED.
13. EXISTING ROCK, IF ANY, SHALL BE REMOVED BY HEAVY ROCK BREAKING OR RIPPING.
14. MATCH EXISTING LEVELS AT BATTER INTERFACE.
15. CONTRACTOR TO MATCH EXISTING LEVELS AT THE INTERFACE OF EARTHWORKS AND EXISTING SURFACE AT BATTER LOCATIONS OR WHERE NO RETAINING WALLS ARE PRESENT. ANY DISCREPANCY BETWEEN DESIGN AND EXISTING LEVELS TO BE REFERRED TO THE ENGINEER FOR DIRECTION OR ADJUSTMENTS TO DESIGN LEVELS.
16. DURING EARTHWORKS THE CONTRACTOR IS TO ENSURE ALL AREAS ARE FREE DRAINING & WILL NOT RETAIN WATER DURING RAINFALL. PROVIDE TEMPORARY MEASURES AS REQUIRED TO ENSURE FREE FLOWING RUNOFF THROUGH MANAGED DRAINAGE PATHS, DIVERSION DRAINS OR OTHER SUITABLE DISPOSAL METHOD AS AGREED DURING THE WORKS. REFER ANY CONCERNS TO THE ENGINEER. REFER TO EROSION AND SEDIMENT CONTROL DRAWINGS AND NOTES.
17. EXPOSED ROCK NOTES: ROCK EXPOSED WITH BULK EARTHWORKS NEED TO BE RIPPED AND RECOMPACTED TO DENSITIES STATED IN THE SITE PREPARATION NOTES TO AN APPROXIMATE DEPTH OF 1M.

LEGEND:

LEVELS DATUM IS AHD.

EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY LANDPARTNERS TITLED SY074904.002.2.2 DATED 04/03/2022. ESTATE LEVELS ARE BASED ON INFORMATION PROVIDED BY COSTIN ROE EARLY WORKS PACKAGE C013904.03-EW

- 50.00 - EXISTING CONTOUR (0.2m INTERVAL)
- 50.00 - B.E.L. CONTOUR (MAJOR 1.0m)
- 50.25 - B.E.L. CONTOUR (MINOR 0.25m)
- 50.00 - B.E.L. SPOT LEVEL



NOMINATED B.E.L. DETAIL
NTS

EARTHWORK ESTIMATES

SITE AREA	= 1.20 Ha
CUT	= -100m³
FILL	= +60m³
ALLOWANCES	
DETAILED EXCAVATION (1,250m³/Ha)	= -1,500m³
OSD TANK	= -715m³
RETAINING WALL SPOIL	= -300m³
DIFFERENCE	= -2,555m³ (i.e. CUT OVER FILL)

NOTE:
THE EARLY WORKS CONTRACTOR IS EXPECTED TO HAND OVER THE SITE TO THE BUILDING CONTRACTOR WITH A GRADED PAD SET AT 300mm BELOW THE PROPOSED FINISHED SURFACE LEVELS. THIS EXCLUDES DETAILED GRADING WORKS, INCLUDING LOCAL CRESTS AND SAGS FOR DRAINAGE, AND OTHER MINOR TRIMMING OR EARTHWORKS REQUIRED TO ACHIEVE FINAL LEVELS IN ACCORDANCE WITH SITE-SPECIFIC REQUIREMENTS AND PAVEMENT DEPTHS. DETAILED TRIMMING VOLUMES TO BE DETERMINED DURING DETAILED DESIGN PROGRESSION.

NO STITE STRIP HAVE BEEN ALLOWED FOR IN THE EARTHWORKS. EARTHWORKS VOLUMES ARE APPROXIMATE ONLY.
NO ALLOWANCE HAS BEEN MADE FOR DELETERIOUS MATERIAL, EROSION AND SEDIMENT CONTROL, BULKING OR COMPACTION OF FILLED SOILS, THE REMOVAL OF UNCONTROLLED OR CONTAMINATED MATERIAL OR ANY OTHER UNSPECIFIED EXCAVATION RELATED TO CONSTRUCTION ACTIVITIES. DETAILED EXCAVATION ALLOWANCE IS APPROXIMATE ONLY AND ACCOUNTS FOR STORMWATER/SERVICES TRENCHING AND FOUNDATIONS. THE DETAILED EXCAVATION VOLUMES ARE TO BE CONFIRMED BY THE CONTRACTOR. REFER ANY CONCERNS TO ENGINEER.

2m 0 5 10 15 20 25m
SCALE 1:250 AT B1 SIZE SHEET

FOR SSDA MOD

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DRAWING TITLE
WH1 - BULK EARTHWORKS PLAN

DRAWING No C013904.03-SMMD2-130
ISSUE D

GREAT WESTERN HIGHWAY GROUND DISTURBANCE EARTHWORKS EXTENT FROM FUTURE CIVIL ROAD WORKS CONTRACTOR. DETAILED DESIGN SUBJECT TO WAD

PROPOSED REINFORCED EARTH RETAINING WALL IN FILL TO RETAIN TREES ALONG NORTHERN BOUNDARY. CONSTRUCTED AS PART OF EARLY WORKS.

PROPOSED PILE/SOLDIER RETAINING WALL IN CUT. PROPOSED SUSPENDED WALKWAY TO FUTURE DETAIL DESIGN AT FIRE EGRESS

PROPOSED WAREHOUSE 1
BEL RL73.62 ±1000mm
INDICATIVE RACKING LAYOUT

RETAINING WALL IN CUT ALONG WAREHOUSE EXTERNAL FOOTPATH

PROPOSED OSD TANK

DISCHARGE FROM OSD INTO REHABILITATED MEANDERING SWALE. OUTLET PIPELINE TO BE INSTALLED THROUGH RETAINING WALL BY EARLY WORKS CONTRACTOR.

PROPOSED RETAINING WALL IN FILL BY EARLY WORKS CONTRACTOR

PROPOSED PUMP ROOM

PROPOSED SPRINKLER TANK.

PROPOSED SUBSTATION LOCATION

PROPOSED CROSS-OVERR TO BLACKTOWN COUNCIL'S DETAILS AND REQUIREMENTS

DEPTH RANGE			
No.	FROM DEPTH	TO DEPTH	COLOUR
1	-0.500	0.000	
2	0.000	0.500	
3	0.500	1.000	
4	1.000	1.500	

CUT / FILL

WAREHOUSE 1 - CUT & FILL PLAN
SCALE 1:250

2m 0 5 10 15 20 25m
SCALE 1:250 AT B1 SIZE SHEET

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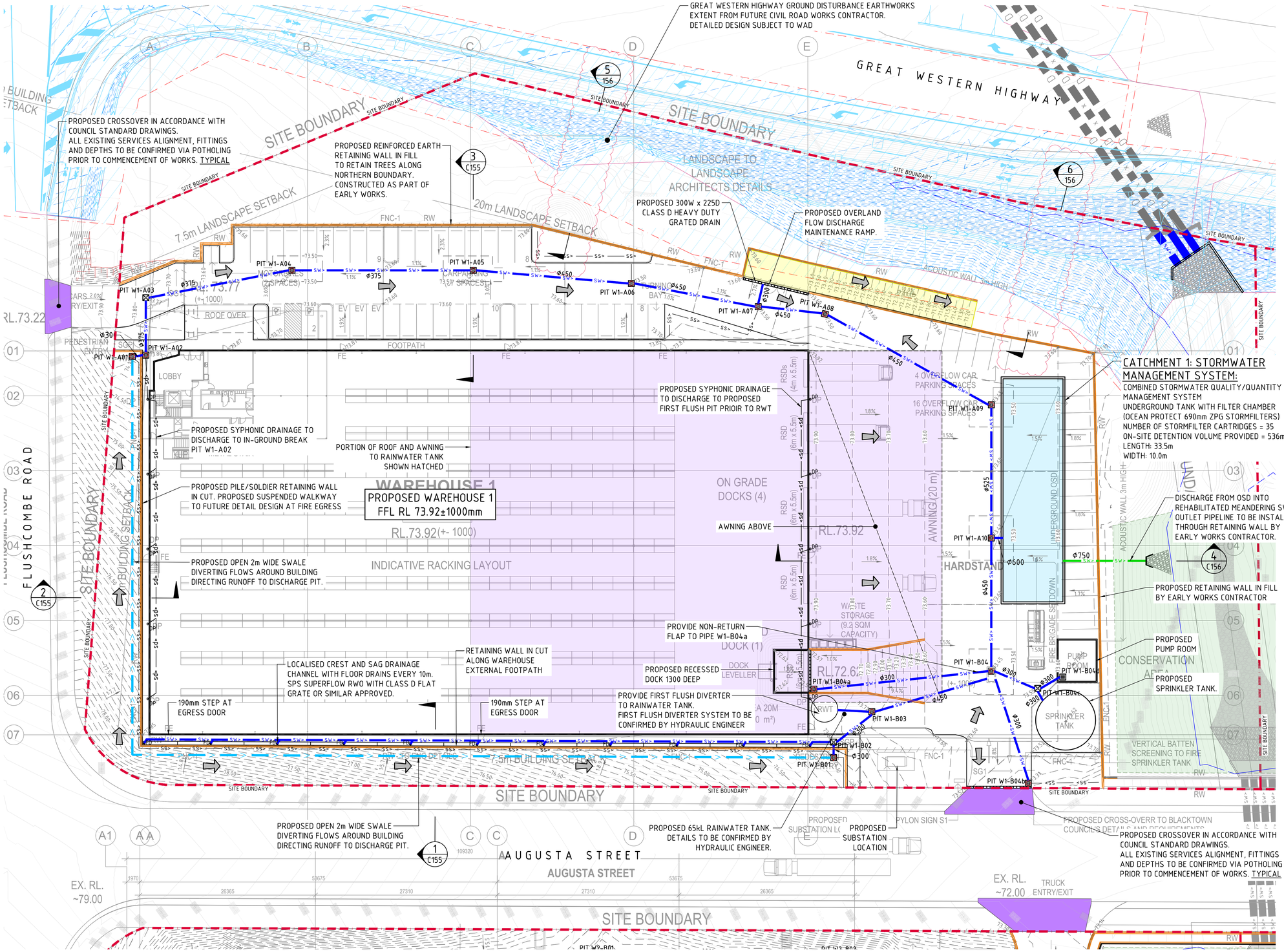
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DRAWING TITLE
WH1 - CUT & FILL PLAN

DRAWING No C013904.03-SMMD2-131
ISSUE D



STORMWATER DRAINAGE NOTES:

STORMWATER DRAINAGE NOTES ARE APPLICABLE FOR PRIVATE INTERNAL STORMWATER DRAINAGE WORKS ONLY. REFERENCE SHOULD BE MADE TO THE RELEVANT COUNCIL/ ROADS AUTHORITY GUIDELINES AND SPECIFICATIONS FOR ALL STORMWATER DRAINAGE WORKS NOT PART OF THE PRIVATE INTERNAL WORKS.

1. ALL STORMWATER WORKS TO BE COMPLETED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3500.3 PLUMBING AND DRAINAGE, PART 3: STORMWATER DRAINAGE.
2. THE MINOR (PIPED) SYSTEM HAS BEEN DESIGNED FOR THE 1 IN 20 YEAR ARI STORM EVENT AND THE MAJOR (OVERLAND) SYSTEM HAS BEEN DESIGNED FOR THE 1 IN 100 YEAR ARI STORM EVENT.
3. ALL FINISHED PAVEMENT LEVELS SHALL BE AS INDICATED ON FINISHED LEVELS PLANS 13904.03-C150.
4. PIT SIZES SHALL BE AS INDICATED IN THE SCHEDULE WHILE PIPE SIZES AND DETAILS ARE PROVIDED ON PLAN.
5. EXISTING STORMWATER PIT LOCATIONS AND INVERT LEVELS TO BE CONFIRMED BY SURVEY PRIOR TO COMMENCING WORKS ON SITE.
6. ALL STORMWATER PIPES Φ375 OR GREATER SHALL BE CLASS 2 (WITH HS2 SUPPORT) REINFORCED CONCRETE WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.
7. ALL PIPES UP TO AND INCLUDING Φ300 TO BE uPVC GRADE SN8 UNO.
8. PIPE CLASS NOMINATED ARE FOR IN-SERVICE LOADING CONDITIONS ONLY. CONTRACTOR IS TO MAKE ANY NECESSARY ADJUSTMENTS REQUIRED FOR CONSTRUCTION CONDITIONS.
9. ALL CONCRETE PITS GREATER THAN 1000mm DEEP SHALL BE REINFORCED USING N12-200 EACH WAY CENTERED IN WALL AND BASE. LAP MINIMUM 300mm WHERE REQUIRED. ALL CONCRETE FOR PITS SHALL BE F'c=25 MPa. PRECAST PITS MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
10. IN ADDITION TO ITEM 9 ABOVE, ALL CONCRETE PITS GREATER THAN 3000mm DEEP SHALL HAVE WALLS AND BASE THICKNESS INCREASED TO 200mm.
11. PIPES SHALL BE LAID AS PER PIPE LAYING DETAILS. PARTICULAR CARE SHALL BE TAKEN TO ENSURE THAT THE PIPE IS FULLY AND EVENLY SUPPORTED. RAM AND PACK FILLING AROUND AND UNDER BACK OF PIPES AND PIPE FAUCETS, WITH NARROW EDGED RAMMERS OR OTHER SUITABLE TAMPING DETAILS.
12. CONCRETE PIPES UNDER, OR WITHIN THE ZONE OF INFLUENCE OF PAVED AREAS SHALL BE LAID USING HS2 TYPE SUPPORT, AS A MINIMUM, IN ACCORDANCE WITH AS 3725. AGGREGATE BACKFILL SHALL NOT BE USED FOR PIPE BEDDING AND OR HAUNCH/SIDE SUPPORT.
13. WHERE PIPE LINES ENTER PITS, PROVIDE 2m LENGTH OF STOCKING WRAPPED SLOTTED Φ100 uPVC TO EACH SIDE OF PIPE.
14. ALL SUBSOIL DRAINAGE LINES SHALL BE Φ100 SLOTTED uPVC WITH APPROVED FILTER WRAP LAID IN 300mm WIDE GRANULAR FILTER UNLESS NOTED OTHERWISE. LAY SUBSOIL LINES TO MATCH FALLS OF LAND AND/OR 1 IN 200 MINIMUM. PROVIDE CAPPED CLEANING EYE (RODDING POINT) AT UPSTREAM END OF LINE AND AT 30m MAX. CTS. PROVIDE SUBSOIL LINES TO ALL PAVEMENT/ LANDSCAPED INTERFACES, TO REAR OF RETAINING WALLS (AS NOMINATED BY STRUCTURAL ENGINEER) AND AS SHOWN ON PLAN.
15. WHERE SUBSOIL DRAINAGE PASSES UNDER A PAVEMENT OR A SLAB, UNSLOTTED UPVC ARE TO BE PROVIDED UNLESS NOTED OTHERWISE.
16. ALL PIPE GRADES 1 IN 200 MINIMUM UNO.
17. PROVIDE STEP IRONS IN PITS DEEPER THAN 1000mm.
18. MIN. 600 COVER TO PIPE OBVERT BENEATH ROADS & MIN. 400 COVER BENEATH LANDSCAPED AND PEDESTRIAN AREAS.
19. PIT COVERS IN TRAFFICABLE PAVEMENT SHALL BE CLASS D 'HEAVY DUTY'. WHERE FORKLIFT USE IS REQUIRED EXTERNAL TO THE BUILDING PIT COVERS SHALL BE MIN. CLASS E. PIT COVERS IN CONTAINER PAVEMENTS ARE TO BE MIN. CLASS G. REFER TO ENGINEER FOR SPECIAL DETAILS. THOSE LOCATED IN NON-TRAFFICABLE AREAS SHALL BE CLASS B 'MEDIUM DUTY' U.N.O.
20. PROVIDE CLEANING EYES (RODDING POINTS) TO PIPES AT ALL CORNERS AND T-JUNCTIONS WHERE NO PITS ARE PRESENT.
21. DOWN PIPES (DP) TO BE AS PER HYDRAULIC ENGINEERS DETAILS WITH CONNECTOR TO MATCH DP SIZE U.N.O. ON PLAN. PROVIDE CLEANING EYE AT GROUND LEVEL.
22. PIPE LENGTHS NOMINATED ON PLAN OR LONGSECTIONS ARE MEASURED FROM CENTER OF PITS TO THE NEAREST 0.5m AND DO NOT REPRESENT ACTUAL LENGTH. THE CONTRACTOR IS TO ALLOW FOR THIS.
23. WHERE CONNECTION TO EXISTING INGROUND DRAINAGE SYSTEMS, OPEN SWALES, CHANNELS OR ANY OTHER EXISTING SYSTEM, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND INVERT ON SITE AT THE BEGINNING OF THE CONSTRUCTION PERIOD. REFER ANY VARIANCE FROM DOCUMENTATION OR SURVEYS TO THE ENGINEER FOR CLARIFICATION.

CATCHMENT 1: STORMWATER MANAGEMENT SYSTEM:

COMBINED STORMWATER QUALITY/QUANTITY MANAGEMENT SYSTEM
UNDERGROUND TANK WITH FILTER CHAMBER (OCEAN PROTECT 690mm ZPG STORMFILTERS)
NUMBER OF STORMFILTER CARTRIDGES = 35
ON-SITE DETENTION VOLUME PROVIDED = 536m^3
LENGTH: 33.5m
WIDTH: 10.0m

DISCHARGE FROM OSD INTO REHABILITATED MEANDERING SWALE. OUTLET PIPELINE TO BE INSTALLED THROUGH RETAINING WALL BY EARLY WORKS CONTRACTOR.

PROPOSED RETAINING WALL IN FILL BY EARLY WORKS CONTRACTOR

LEGEND:

LEVELS DATUM IS AHD.

EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY LANDPARTNERS TITLED SY074904.002.2.2 DATED 04/03/2022. ESTATE LEVELS ARE BASED ON INFORMATION PROVIDED BY COSTIN ROE EARLY WORKS PACKAGE C013904.03-EW

- SGGP, SINGLE GRATED GULLY PIT
- SJP, SEALED JUNCTION PIT
- KIP, KERB INLET PIT
- GD, GRATED DRAIN (300W x 225D UNO)
- PROPOSED DRAINAGE LINE
- EARLYWORKS DRAINAGE LINE
- ROOFWATER DOWNPIPE (INDICATIVE)
- FLOOR DRAIN
- ROOFWATER LINE
- SUBSOIL LINE
- SIPHONIC LINE
- OPEN SWALE
- OVERLAND FLOW DIRECTION
- 50.00 FINISHED PAVEMENT CONTOUR (MAJOR) 0.5m INTERVALS
- 50.10 FINISHED PAVEMENT CONTOUR (MINOR) 0.1m INTERVALS
- DENOTES PROPOSED PORTION OF ROOF OR AWNING TO RAINWATER TANK

WAREHOUSE 1 NOTE:

PITS TO BE FITTED WITH OCEAN PROTECT 'OCEANGUARD OG200' INSERT. SHOWN THUS ◇ REFER TO PIT SCHEDULE.

ROOFWATER NOTE:

ROOFWATER LINES TO HAVE NOMINAL 0.5% FALL TO PITS. ENSURE MINIMUM 600 COVER IS MAINTAINED TO ALL PIPES. REFER ALL CONCERN TO ENGINEER. TYPICAL

LEVELS NOTE:

LEVELS SHOWN TO BE +/-1000mm FROM THOSE SHOWN.
FINAL LEVELS SUBJECT TO FINAL GEOTECHNICAL INVESTIGATIONS, ARCHITECTURAL LAYOUT AND ACHIEVING A CUT TO FILL EARTHWORKS BALANCE OVER THE PROPERTY.

GENERAL NOTES:

SUBSOIL DRAINAGE TO BE INSTALLED ALONG ALL KERB AND LANDSCAPED INTERFACES.

2m 0 5 10 15 20 25m
SCALE 1:250 AT B1 SIZE SHEET

WAREHOUSE 1 - STORMWATER DRAINAGE PLAN

SCALE 1:250

FOR SSDA MOD

AMENDMENTS	DATE	ISSUE
ISSUED FOR SSDA MOD	24.06.26	E
ISSUED FOR SSDA MOD	19.06.26	D
ISSUED FOR SSDA MOD	12.06.26	C
REVISED AS CLOUDED	05.06.26	B
ISSUED FOR INFORMATION	02.06.26	A

AMENDMENTS DATE ISSUE

ARCHITECT
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CLIENT
ESR

PROJECT
PROPOSED WAREHOUSE DISTRIBUTION
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
KP	JB	JUNE 2026	LDV	B1	AS SHOWN	C013904.03-SMMD2-140

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DRAWING TITLE
WH1 - STORMWATER DRAINAGE PLAN

DRAWING No C013904.03-SMMD2-140 ISSUE E