

DRAWING LIST

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SITE PREPARATION NOTES:

1. ALL EARTHWORKS SHALL BE COMPLETED GENERALLY IN ACCORDANCE WITH THE GUIDELINES SPECIFIED BY THE GEOTECHNICAL REPORT.
2. EXISTING LEVELS ARE BASED ON THE SURVEY INFORMATION PROVIDED.
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 $\pm 0.0mm/-10mm$ THROUGH BUILDING PAVED SURFACES AND $\pm 0mm/-20mm$ ELSEWHERE.
5. PREPARE STEEP BATTERS TO RECEIVE FILL BY CONSTRUCTING BENCHING TO FACILITATE FILL PLACEMENT AND COMPACTION.
6. AREAS TO RECEIVE FILL (THAT ARE NOT ON BENCHMARK 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 HALF DENSITY RATIOS (STANDARD COMPACTION) OF BETWEEN 98% AND 103%. THE PLACEMENT MOISTURE VARIATION OR HALF 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 HALF DENSITY RATIOS (STANDARD COMPACTION) OF BETWEEN 98% AND 103%. THE PLACEMENT MOISTURE VARIATION OR HALF MOISTURE VARIATION SHALL BE CONTROLLED TO BE BETWEEN 2% DRY AND 2% WET.
9. ALL MATERIALS TO BE PLACED 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 (AS12895.4.1) OR HALF TEST METHOD (AS12895.7.1). 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 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 (EG. COSTIN ROAD SITE PREPARATION NOTES IN DWG C013003.01-EWC10)
11. PRIOR TO ANY EARTHWORKS, EROSION CONTROL AS OUTLINED IN THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE COMPLETED.
12. EXISTING ROCK IF ANY SHALL BE REMOVED BY HEAVY ROCK BREAKING OR RIPPING.
13. MATCH EXISTING LEVELS AT BATTER INTERFACE.
14. 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.

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 REFERENCE TO 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 CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING A FEASIBLE ON-GOING MEANS TO UPDATE THE DIGITAL TERRAIN MODEL. SHOULD THERE BE ANY AMENDMENTS OR CHANGES TO THE DRAWINGS OR CONTRACT INITIATED BY THE CONTRACTOR.

GENERAL NOTES:

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANT'S 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 VARYED 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.

EROSION CONTROL NOTES:

ALL CONTROL WORK INCLUDING DIVERSION BANKS AND CATCH DRAINS, V-DRAINS AND SILT FENCES SHALL BE COMPLETED DIRECTLY FOLLOWING THE COMPLETION OF THE EARTHWORKS

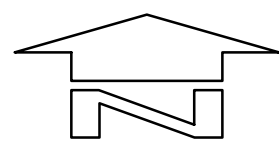
1. SILT FENCES AND SILT FENCE RETURNS SHALL BE ERRECTED CONVEX TO THE CONTOUR TO
POND WATER.
2. HAY BALE BARRIERS AND GEOFABRIC FENCES ARE TO BE CONSTRUCTED TO TOE OF
BATTER, PRIOR TO COMMENCEMENT OF EARTHWORKS, IMMEDIATELY AFTER CLEARING OF
VEGETATION AND BEFORE REMOVAL OF TOP SOIL.
3. ALL TEMPORARY EARTH BERMS, DIVERSION AND SILT DAM EMBANKMENTS ARE TO BE
MACHINE COMPACTED, SEEDED AND MULCHED FOR TEMPORARY VEGETATION COVER AS
SOON AS THEY HAVE BEEN FORMED
4. CLEAR WATER IS TO BE DIVERTED AWAY FROM DISTURBED GROUND AND INTO THE
DRAINAGE SYSTEM.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROVIDING ON GOING
ADJUSTMENT TO EROSION CONTROL MEASURES AS REQUIRED DURING CONSTRUCTION.
6. ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER
STORMS FOR STRUCTURAL DAMAGE OR CLOGGING, TRAPPED MATERIAL IS TO BE
REMOVED TO A SAFE, APPROVED LOCATION.
7. ALL FINAL EROSION PREVENTION MEASURES INCLUDING THE ESTABLISHMENT OF
GRASSING ARE TO BE MAINTAINED UNTIL THE END OF THE DEFECTS LIABILITY PERIOD.
8. ALL EARTHWORKS AREAS SHALL BE ROLLED ON A REGULAR BASIS TO SEAL THE
EARTHWORKS.
9. ALL FILL AREAS ARE TO BE LEFT WITH A BUND AT THE TOP OF THE SLOPE AT THE END
OF EACH DAYS EARTHWORKS. THE HEIGHT OF THE BUND SHALL BE A MINIMUM OF 200mm.
10. ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND HYDROMULCHED WITHIN 10 DAYS OF
COMPLETION OF FORMATION.
11. AFTER REVEGETATION OF THE SITE IS COMPLETE AND THE SITE IS STABLE IN THE OPINION
OF A SUITABLY QUALIFIED PERSON ALL TEMPORARY WORK SUCH AS SILT FENCE,
DIVERSION DRAINS ETC SHALL BE REMOVED.
12. ALL TOPSOIL STOCKPILES ARE TO BE SUITABLY COVERED TO THE SATISFACTION OF THE
SITE MANAGER TO PREVENT WIND AND WATER EROSION.
13. ANY AREA THAT IS NOT APPROVED BY THE CONTRACT ADMINISTRATOR FOR CLEARING OR
DISTURBANCE BY THE CONTRACTOR'S ACTIVITIES SHALL BE CLEARLY MARKED AND
SIGN POSTED, FENCED OFF OR OTHERWISE APPROPRIATELY PROTECTED AGAINST ANY
SUCH DISTURBANCE.
14. ALL STOCKPILE SITES SHALL BE SITUATED IN AREAS APPROVED FOR SUCH USE BY THE
SITE MANAGER. A 6m BUFFER ZONE SHALL EXIST BETWEEN STOCKPILE SITES AND ANY
STREAM OR FLOW PATH. ALL STOCKPILES SHALL BE ADEQUATELY PROTECTED FROM
EROSION AND CONTAMINATION OF THE SURROUNDING AREA BY USE OF THE MEASURES
APPROVED IN THE EROSION AND SEDIMENTATION CONTROL PLAN.
15. ACCESS AND EXIT AREAS SHALL INCLUDE SHAKE-DOWN OR OTHER METHODS APPROVED
BY THE SITE MANAGER FOR THE REMOVAL OF SOIL MATERIALS FROM MOTOR VEHICLES.
16. THE CONTRACTOR IS TO ENSURE RUNOFF FROM ALL AREAS WHERE THE NATURAL
SLOPE IS DISTURBED BY CONSTRUCTION INCLUDING ACCESS ROADS, DEPOT AND
STOCKPILE SITES, SHALL BE FREE OF POLLUTANTS BEFORE IT IS EITHER DISPERSED TO
STABLE AREAS OR DIRECTED TO NATURAL WATERCOURSES.
17. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SLOPES, CROWNS AND DRAINS ON ALL
EXCAVATIONS AND EMBANKMENTS TO ENSURE SATISFACTORY DRAINAGE AT ALL TIMES
WATER SHALL NOT BE ALLOWED TO POND ON THE WORKS UNLESS SUCH PONDING IS
PART OF AN APPROVED ESCP / SWMP.

FINISHED LEVELS PLAN NOTES:

1. LEVELS DATUM IS A H.D.
2. ALL CONTOUR LINES & SPOT LEVELS INDICATE FINISHED PAVEMENT LEVELS U.N.O. ON PLAN.
3. THE MAJOR CONTOUR INTERVAL IS 0.5m
4. THE MINOR CONTOUR INTERVAL IS 0.1m.
5. MINIMUM PAVEMENT GRADE IS TO BE 1:100 (1%).
6. MAXIMUM PAVEMENT GRADE IS TO BE 1:20 (5%) IN CARPARKING AREAS AND 1:25 (4%) ELSEWHERE.
7. MAXIMUM RAMP GRADES ARE TO BE 1:12 (8.3%) U.N.O. ON PLAN
8. PROVIDE MINIMUM 3.0m LONG TRANSITION WHERE CHANGES GRADE EXCEED 1:20 (5%).
9. PERMANENT BATTER SLOPES ARE TO HAVE A MAXIMUM GRADE OF 1V:3H
10. ALL BATTER SLOPES WITH GRADES AT OR EXCEEDING 1V:6H ARE TO BE TURFED IMMEDIATELY. IF APPROPRIATE EROSION CONTROL IS TO BE PROVIDED TO THE SATISFACTION OF THE ENGINEER.
11. THE ACCESS ROAD TO THE HARDESTAND AREA IS TO HAVE A CROSSFALL OF 2% AS INDICATED ON PLAN.
12. ALL FOOTPATHS ARE TO FALL AWAY FROM THE BUILDING AT 2.5% NOMINAL GRADE.
13. ALL PAVEMENTS ARE TO BE SET AT 50mm BELOW THE FINISHED FLOOR LEVEL OF THE WAREHOUSE AND OFFICE AREAS.

STORMWATER DRAINAGE NOTES:

1. ALL STORMWATER WORKS TO BE COMPLETED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3500-3:2003 PLUMBING AND DRAINAGE, PART 3: STORMWATER DRAINAGE.
2. THE MINOR (PIPED) SYSTEM HAS BEEN DESIGNED FOR THE 1 IN 20 YEAR AIR STORM EVENT AND THE MAJOR (OVERLAND) SYSTEM HAS BEEN DESIGNED FOR THE 1 IN 100 YEAR AIR STORM EVENT.
3. ALL FINISHED PAVEMENT LEVELS SHALL BE AS INDICATED ON FINISHED LEVELS PLANS D51 & D52.
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 Ø375 OR GREATER SHALL BE CLASS 2 (WITH H52 SUPPORT) REINFORCED CONCRETE WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.
7. ALL PIPES UP TO AND INCLUDING Ø300 TO BE SPVc 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'_{c25} MPa. PRECAST PITS MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
10. IN ADDITION TO ITEM 6 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 PITS UNDER, OR WITHIN THE ZONE OF INFLUENCE OF PAVED AREAS SHALL BE LAID TO H52 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 Ø100 uPVC TO EACH SIDE OF PIPE.
14. ALL SUBSOIL DRAINAGE LINES SHALL BE Ø100 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. CAPPED SUBSOIL LINES TO ALL PAVEMENT/ LANDSCAPED INTERFACES, TO REAR OF RETAINING WALLS (AS NOMINATED BY STRUCTURAL ENGINEER) AND AS SHOWN ON PLAN.
15. ALL PIPE GRADES 1 IN 200 MINIMUM UNO.
16. PROVIDE STEEL IRONS IN PITS DEEPER THAN 1000mm.
17. MIN. 600 COVER TO PIPE OVERTHREAT ROADS & MIN. 400 COVER BENEATH LANDSCAPED AND PEDESTRIAN AREAS.
18. ALL COVERS IN TRAFFICABLE PAVED AREAS SHALL BE CLASS D 'HEAVY DUTY', THOSE LOCATED IN NON-TRAFFICABLE AREAS SHALL BE CLASS B 'MEDIUM DUTY' UNO.
19. PROVIDE CLEANING EYES (RODDING POINTS) TO PIPES AT ALL CORNERS AND T-JUNCTIONS WHERE NO PITS ARE PRESENT.
20. DOWN PIPES (DP) TO BE AS PER HYDRAULIC ENGINEERS DETAILS WITH CONNECTOR TO MATCH DP SIZE UNO ON PLAN. PROVIDE CLEANING EYE AT GROUND LEVEL.
21. 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.



LOCALITY PLAN
NTS

FOR DEVELOPMENT APPLICATION

[illegible]

LEGEND:
LEVELS DATUM IS AHD.

EXISTING SITE LEVELS AND DETAILS BASED ON SURVEY INFORMATION PROVIDED.

- SILT FENCE
- SILT FENCE WITH CATCH DRAIN
- DIVERSION DRAIN
- EXISTING SYDNEY WATER MAIN
- EXISTING SEWER MAIN
- DIRECTION OF OVERLAND FLOW
- DENOTES CATCHMENT 1
- DENOTES CATCHMENT 2
- DENOTES CATCHMENT 3

SEDIMENTATION BASIN NOTE:

FOR SEDIMENT & EROSION CONTROL DETAILS REFER TO DRAWING C013251.06-DA25.
SEDIMENTATION BASIN SIZING BASED ON RECOMMENDATIONS OF 'SOILS AND CONSTRUCTION, MANAGING URBAN STORMWATER-THE BLUE BOOK'.
CAPACITY BASED UPON 5 DAY RAINFALL DEPTH AT 85th PERCENTILE INTENSITY (32.2mm).

APPROXIMATE AREA OF DISTURBED SITE = 17.8 ha

SEDIMENT BASIN 1:
CATCHMENT AREA = 6.44 ha
REQUIRED BASIN VOLUME = 1,555m³
BASE DIMENSIONS (L X W) = 20m x 38m
TOP DIMENSIONS (L X W) = 29m x 47m
MAX SIDE SLOPE = 1V:3H
DEPTH = 1.5m
PROVIDED BASIN VOLUME = 1,570m³

SEDIMENT BASIN 2:
CATCHMENT AREA = 6.18 ha
REQUIRED BASIN VOLUME = 1,492m³
BASE DIMENSIONS (L X W) = 19m x 38m
TOP DIMENSIONS (L X W) = 28m x 47m
MAX SIDE SLOPE = 1V:3H
DEPTH = 1.5m
PROVIDED BASIN VOLUME = 1,506m³

SEDIMENT BASIN 3:
CATCHMENT AREA = 5.17 ha
REQUIRED BASIN VOLUME = 1,249m³
BASE DIMENSIONS (L X W) = 17m x 34m
TOP DIMENSIONS (L X W) = 26m x 43m
MAX SIDE SLOPE = 1V:3H
DEPTH = 1.5m
PROVIDED BASIN VOLUME = 1,250m³

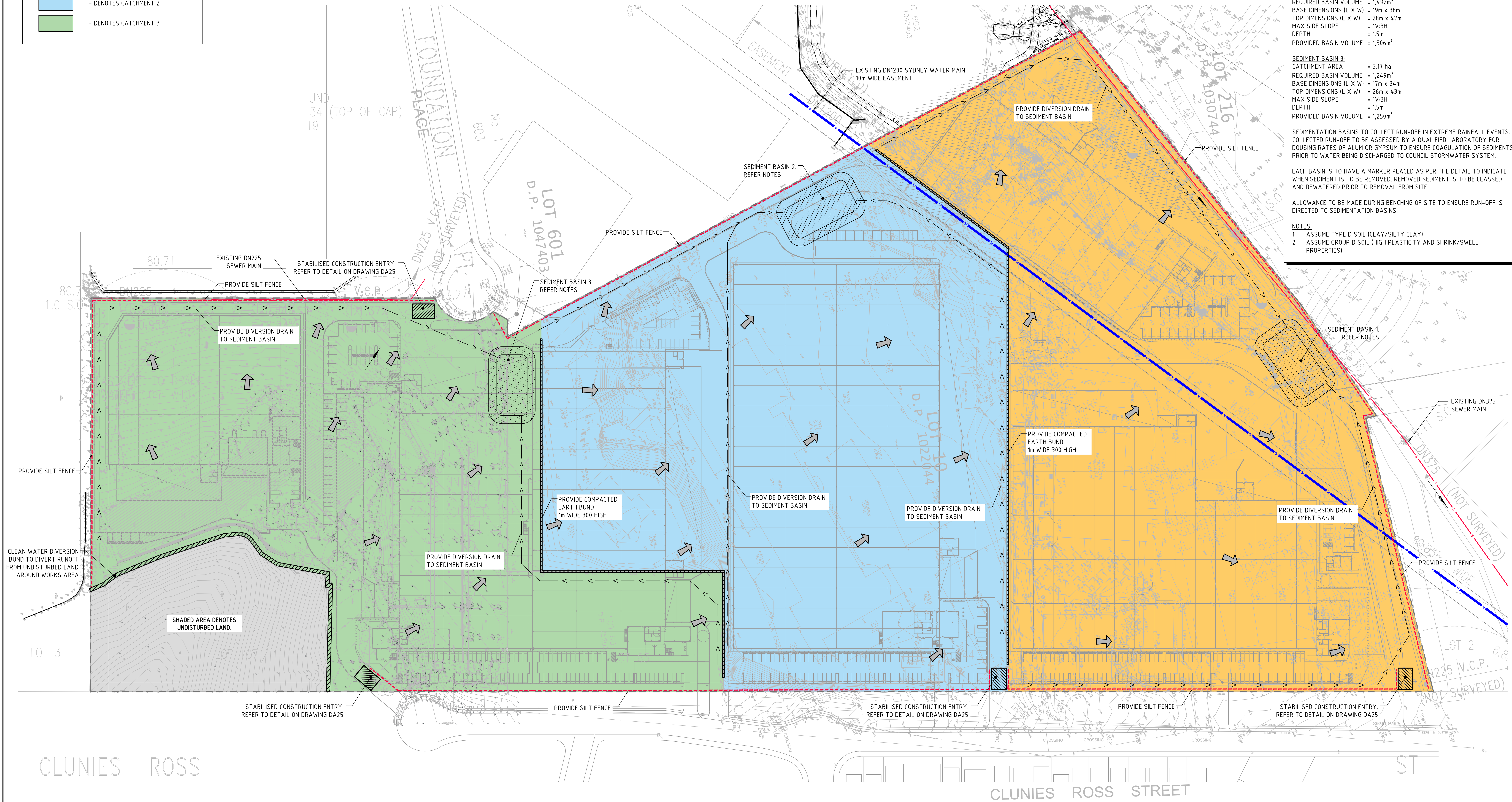
SEDIMENTATION BASINS TO COLLECT RUN-OFF IN EXTREME RAINFALL EVENTS. COLLECTED RUN-OFF TO BE ASSESSED BY A QUALIFIED LABORATORY FOR DOUSING RATES OF ALUM OR GYPSUM TO ENSURE COAGULATION OF SEDIMENTS PRIOR TO WATER BEING DISCHARGED TO COUNCIL STORMWATER SYSTEM.

EACH BASIN IS TO HAVE A MARKER PLACED AS PER THE DETAIL TO INDICATE WHEN SEDIMENT IS TO BE REMOVED. REMOVED SEDIMENT IS TO BE CLASSSED AND DEWATERED PRIOR TO REMOVAL FROM SITE.

ALLOWANCE TO BE MADE DURING BENCHING OF SITE TO ENSURE RUN-OFF IS DIRECTED TO SEDIMENTATION BASINS.

NOTES:

1. ASSUME TYPE D SOIL (CLAY/SILTY CLAY)
2. ASSUME GROUP D SOIL (HIGH PLASTICITY AND SHRINK/SWELL PROPERTIES)

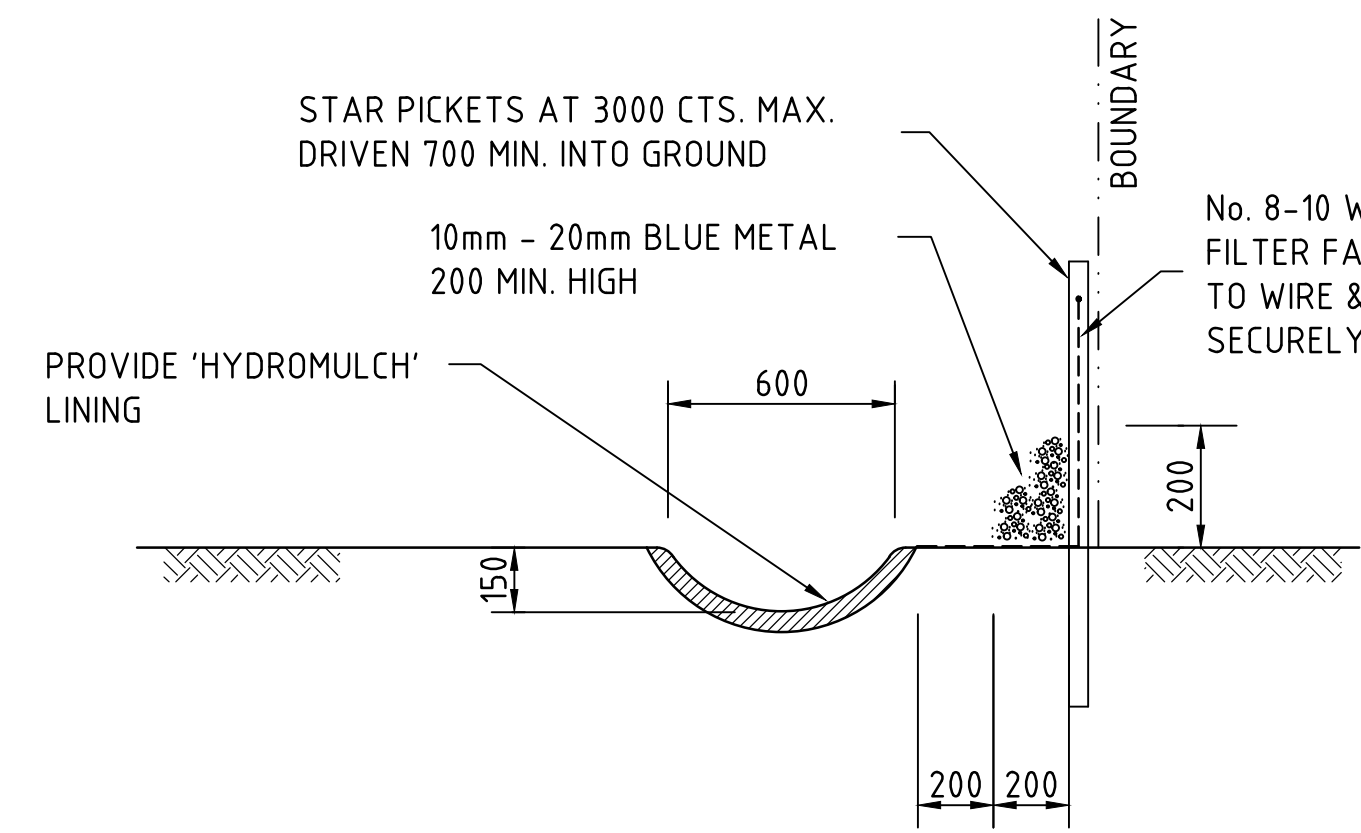


EROSION SEDIMENT CONTROL PLAN
SCALE 1:750

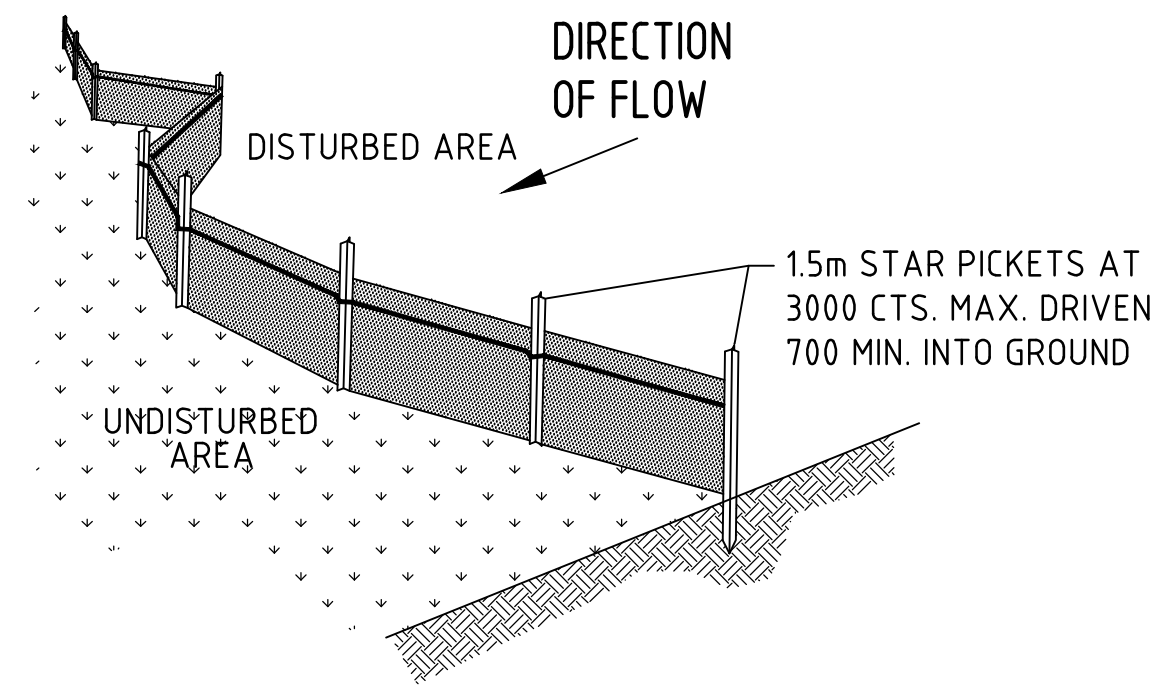
FOR DEVELOPMENT APPLICATION

6m 0 15 30 45 60 75m
SCALE 1:750 AT A0 SIZE SHEET

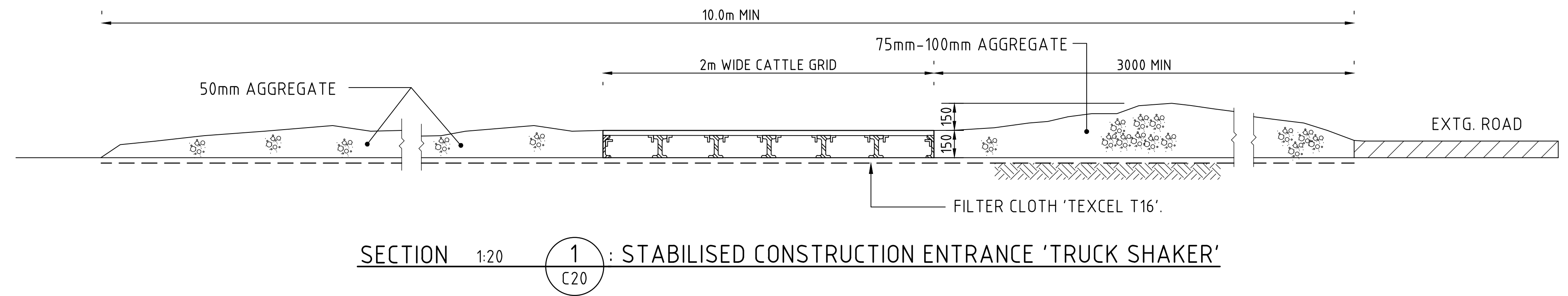
PROJECT STATE SIGNIFICANT DEVELOPMENT APPLICATION 44 CLUNIES ROSS STREET, GREYSTANES				CLIENT Aliro				ARCHITECT SB ARCHITECTS				CONSULTING ENGINEERS Costin Roe Consulting Pty Ltd. Level 1, 8 Windmill Street Wahia Bay, Sydney NSW 2000 Tel: (02) 9551-7699 Fax: (02) 9541-3721 email: mail@costinroe.com.au				DRAWING TITLE EROSION SEDIMENT CONTROL PLAN			
DESIGNED: [NAME]				CHECKED: [NAME]				DRAWN: [NAME]				ISSUED: [NAME]				DRAWING No. C013251.06-DA20			
DATE: 19.03.20				DATE: 19.03.20				DATE: 19.03.20				DATE: 19.03.20				SCALE: 1:750			
ISSUED FOR DEVELOPMENT APPLICATION				ISSUED FOR INFORMATION				AMENDMENTS				AMENDMENTS				PRECISION COMMUNICATION ACCOUNTABILITY			
13.06.20				19.03.20				19.03.20				19.03.20				19.03.20			
B				A				A				A				B			



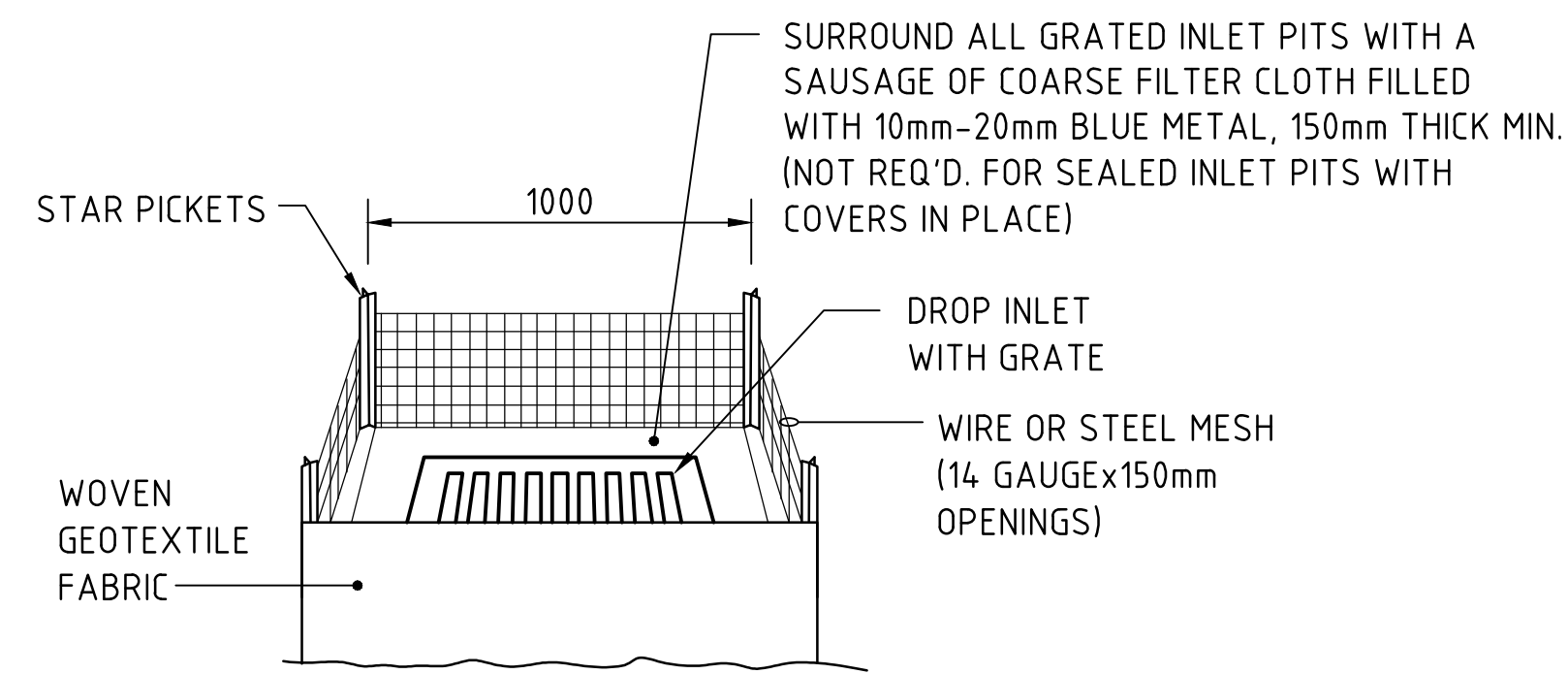
TYPICAL OPEN DRAIN & SILT FENCE
SCALE 1:20



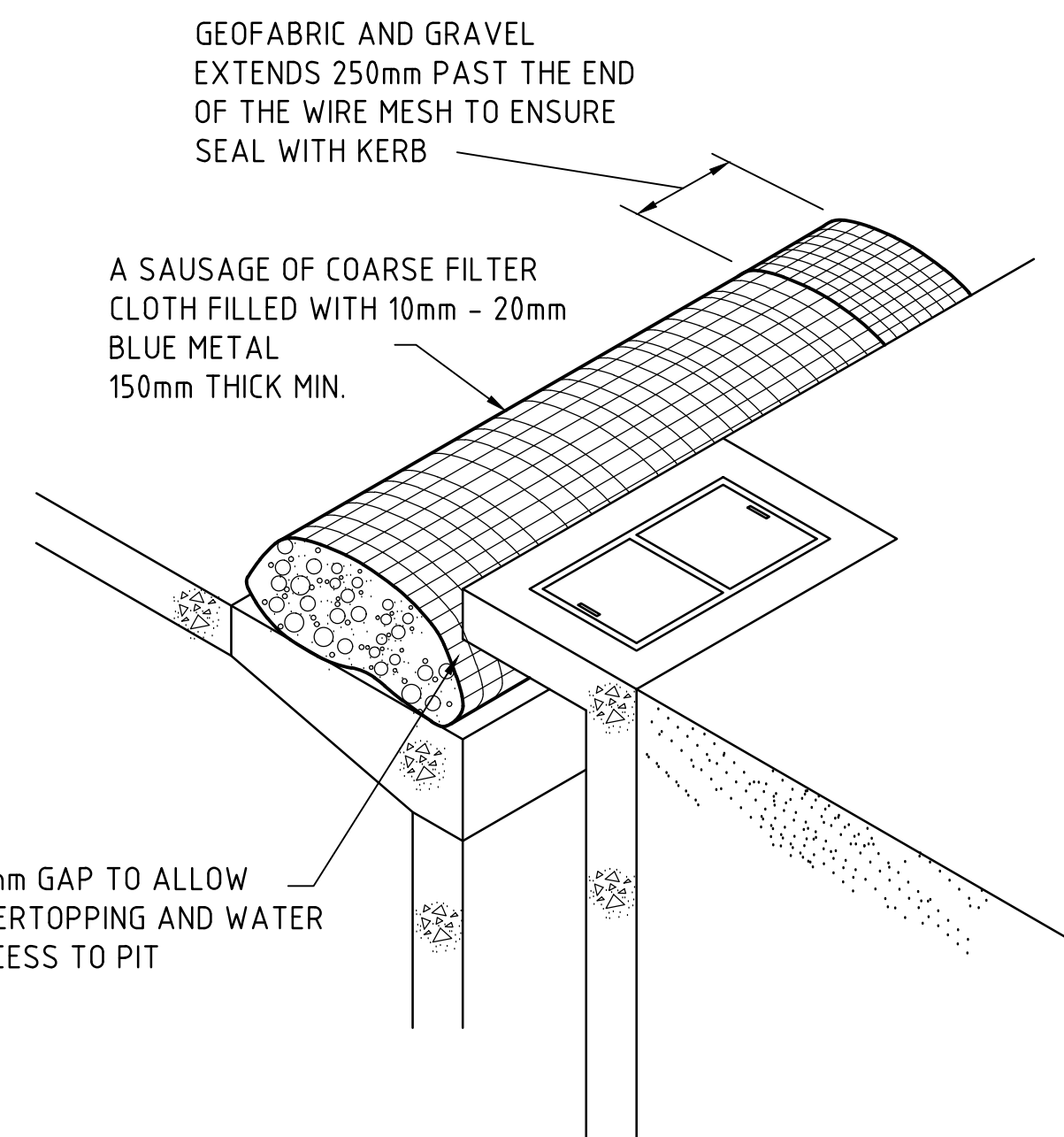
TYPICAL SILT FENCE DETAIL
N.T.S.
PROVIDE 1m RETURNS AT 30m INTERVALS.
TYPICAL



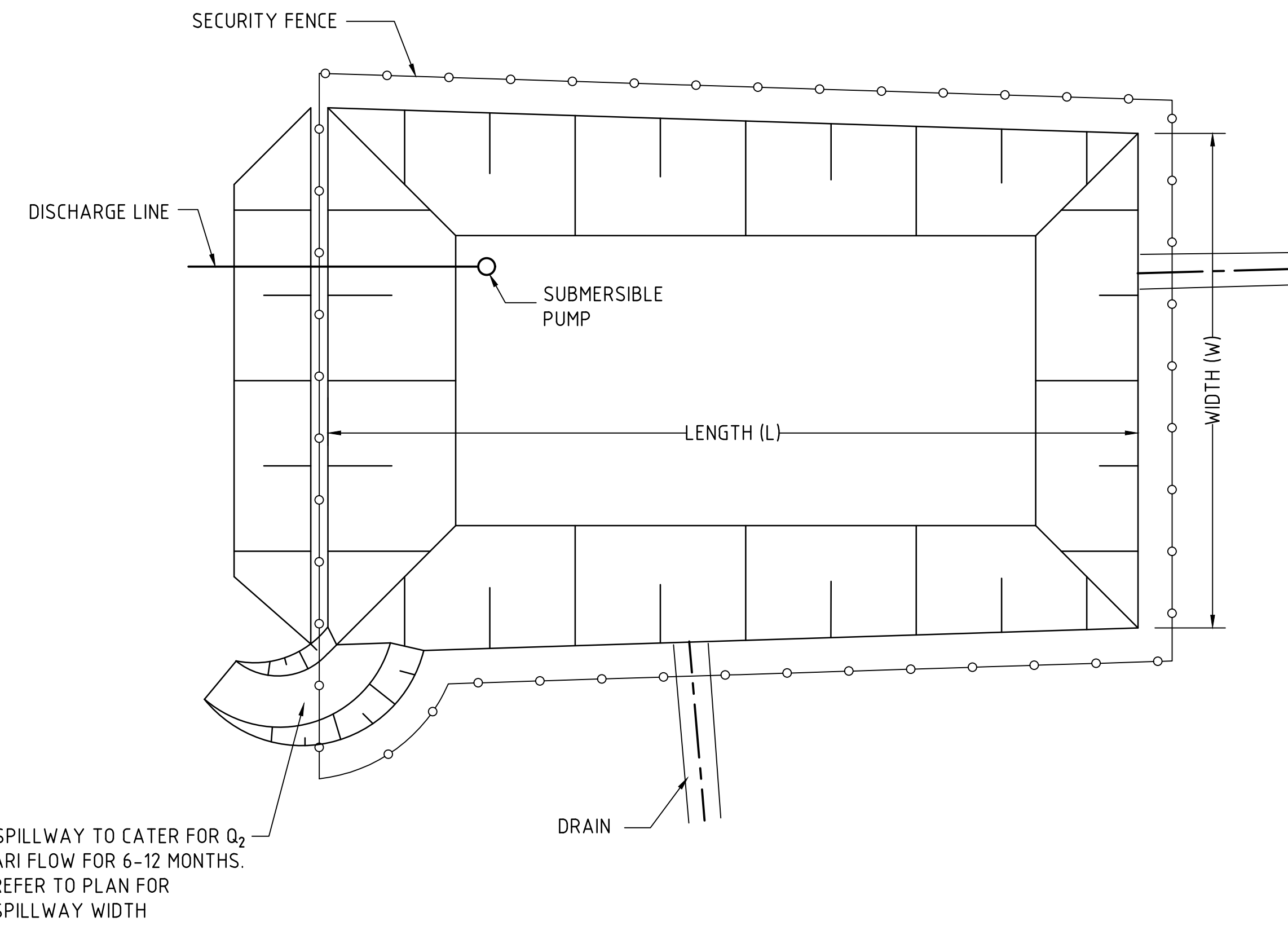
SECTION 1:20 : STABILISED CONSTRUCTION ENTRANCE 'TRUCK SHAKER'



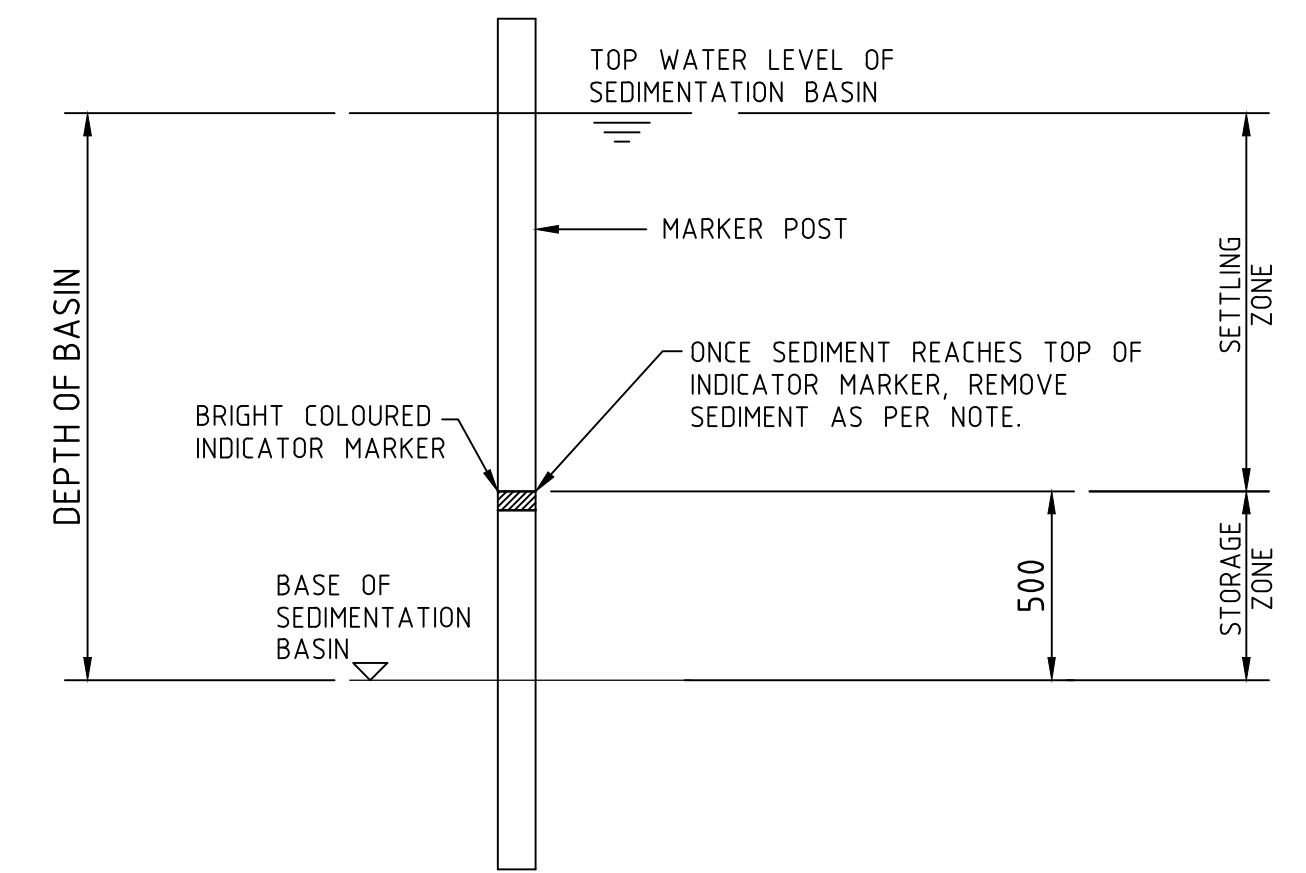
GRATED INLET PIT FILTER DETAIL
OPTION 1
N.T.S.



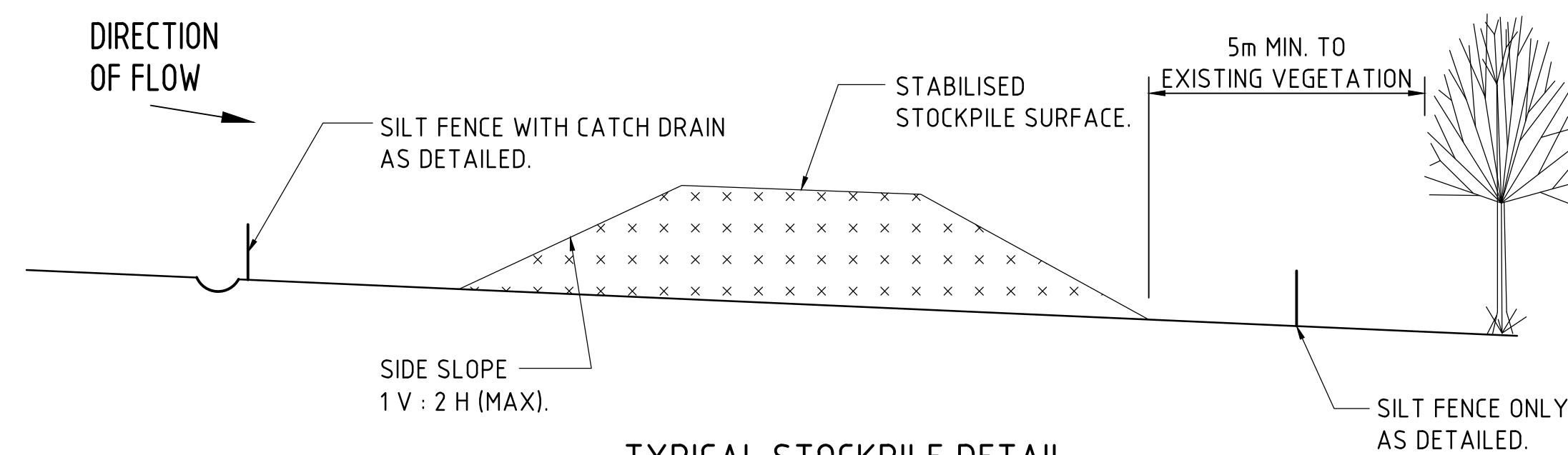
KERB INLET CONTROL
N.T.S.



TYPICAL SEDIMENT CONTROL POND PLAN
SCALE 1:250

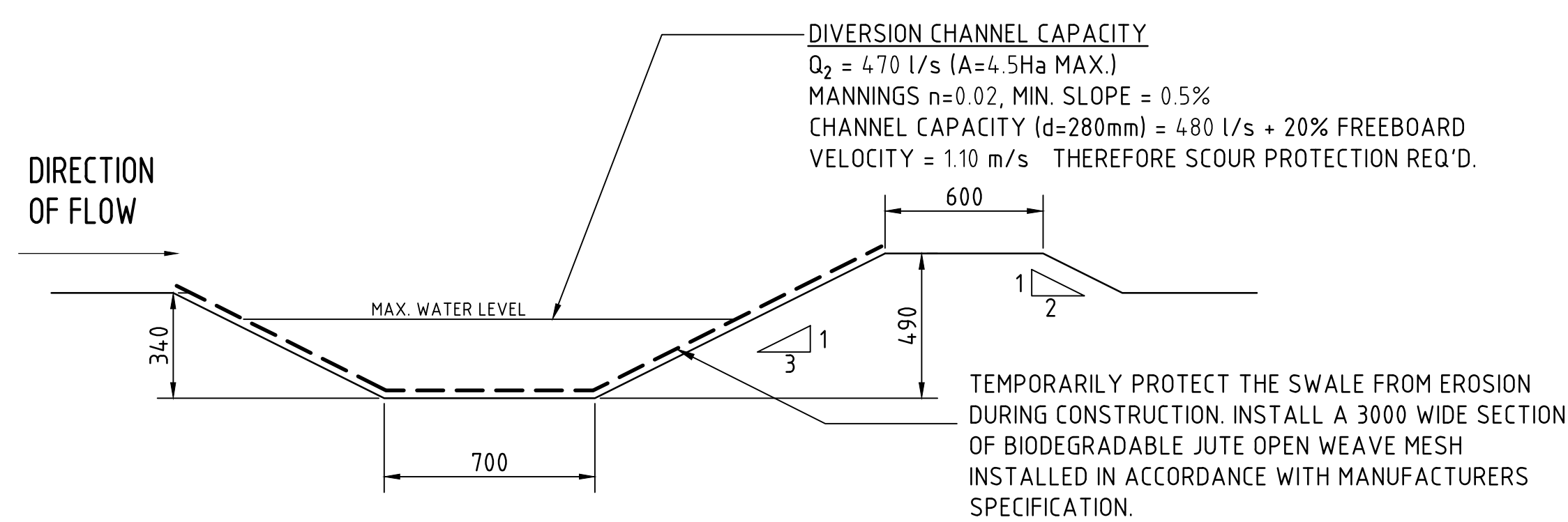


SEDIMENT STORAGE MARKER
SCALE 1:20

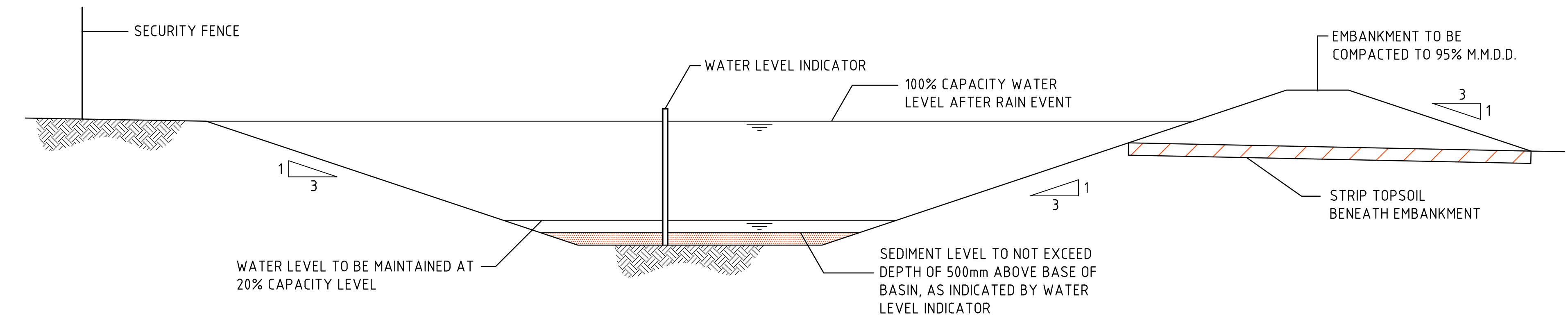


TYPICAL STOCKPILE DETAIL
N.T.S.

- 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 1V:2H 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.



DIVERSION DRAIN SECTION
SCALE 1:20



TYPICAL SEDIMENT CONTROL BASIN SECTION
SCALE 1:50

- NOTES:**
- ALL EROSION & SEDIMENT CONTROL MEASURES TO BE INSPECTED & MAINTAINED DAILY BY SITE MANAGER.
 - MINIMISE DISTURBED AREAS.
 - ROADS & FOOTPATHS TO BE SWEEP DAILY.
 - 12m TURF TO BE PLACED BEHIND KERBS.
 - DUST MINIMISATION CONTROL BY WATERING TO BE IMPLEMENTED BY SITE MANAGER AS REQUIRED OR AS DIRECTED BY THE EPA.

200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT A0 SIZE SHEET

FOR DEVELOPMENT APPLICATION

			ARCHITECT			CLIENT			PROJECT			Costin Roe Consulting Pty Ltd.			DRAWING TITLE		
			SB ARCHITECTS			Aliro			STATE SIGNIFICANT DEVELOPMENT APPLICATION			Consulting Engineers			EROSION & SEDIMENT CONTROL DETAILS		
ISSUED FOR DEVELOPMENT APPLICATION			10/06/20			10/06/20			44 CLUNIES ROSS STREET, GREYSTANES			Level 1, 8 Widdowall Street, Walsh Bay, Sydney NSW 2000			PRECISION COMMUNICATION ACCOUNTABILITY		
ISSUED FOR INFORMATION			19/03/20			19/03/20			DESIGNED: ID			Tel: (02) 9251-7899 Fax: (02) 9241-3721			DRAWING No		
AMENDMENTS			DATE			DATE			CHECKED: PLW			email: mail@costinroe.com.au			C013251.06-DA25		
			ISSUE			ISSUE			SIZE: A0			CAD REF: C013251.06-DA25			ISSUE		
									SCALE: AS SHOWN						B		

VOLUMES (APPROXIMATE ONLY):

STAGE 1

CUT	= - 100 900 m ³
FILL	= + 57 000 m ³

DETAILED EXCAVATION = - 7 500 m³
(1,500m³/Ha over 4.97Ha)

REINFORCED EARTH WALL BACKFILL = - 37 600 m³

BALANCE	= - 89 000 m ³ (EXPORT)
---------	------------------------------------

STAGE 2

CUT	= - 38 200 m ³
FILL	= + 206 000 m ³
WETLAND REGRADING	= ± 0 m ³ (CUT/FILL BALANCE)
DETENTION BASIN REGRADING	= - 13 900 m ³

DETAILED EXCAVATION	= - 18 900 m ³
---------------------	---------------------------

REINFORCED EARTH WALL BACKFILL = - 38 200 m³

BALANCE	= + 96 800 m ³ (IMPORT)
---------	------------------------------------

OVERALL

STAGE 1 BULK EARTHWORKS	= -	89 000 m ³
STAGE 2 BULK EARTHWORKS	= +	96 800 m ³

BALANCE	= + 7 800 m ³ (IMPORT)
---------	-----------------------------------

EARTHWORK VOLUMES ARE PRELIMINARY ONLY AND HAVE BEEN BASED ON A TOPSOIL STRIP/SLAB TRIP OF 200mm OVER THE ENTIRE SITE. THE VOLUMES HAVE ALSO BEEN BASED ON AN OVERALL PAVEMENT STRUCTURAL THICKNESS OF 300mm ACROSS THE SITE. NO ALLOWANCE HAS BEEN MADE IN THE ABOVE VOLUMES FOR EROSION & SEDIMENT CONTROL BACKFILLING, BULKING OR COMPACTION OF FILLED SOILS. THE REMOVAL OF UNCONTROLLED FILL OR CONTAMINATED MATERIAL, TEMPORARY DRAINAGE SWALES WITHIN BUILDING PADS, OR ANY OTHER UNSPECIFIED EXCAVATION RELATED TO FUTURE WAREHOUSE CONSTRUCTION.

THE EXISTING SURFACE IS BASED ON:

- THE SITE SURVEY PROVIDED BY CRUX SURVEYING AUSTRALIA REF 120016-SU-DT-001
- THE SITE SURVEY PROVIDED BY RENNIE GOLLEDGE SURVEYORS REF 603.17
- LIDAR INFORMATION FROM THE NSW FOUNDATION SPATIAL DATA 'ELVIS'

PRELIMINARY EARTHWORKS ARE SUBJECT TO CHANGE TO SUIT FINAL FINISHED LEVELS & PAVEMENT DEPTHS WHICH ARE TO BE CONFIRMED DURING THE DETAILED DESIGN PHASE OF EACH INDIVIDUAL WAREHOUSE. CONTRACTORS ARE TO MAKE APPROPRIATE ALLOWANCES TO PROVIDE ADDITIONAL CUTTING AND FILLING AS NECESSARY TO SUIT THE FUTURE DESIGN LEVELS.

LEGEND:

LEVELS DATUM IS AHD

—50.00— - EXISTING CONTOUR (0.2m INTERVAL)

— 50.00 — — - B.E.L. CONTOUR (MAJOR 1.0m)

— 50.10 — — — B.E.L. CONTOUR (MINOR 0.25m)

→ 50.00 - B.E.L. SPOT LEVEL

— S — - EXISTING SEWER



6m 0 15 30 45 60 75m
SCALE 1:750 AT A0 SIZE SHEET

[illegible]

LEVELS DATUM IS AHD

LEVELS DATUM IS AHD

- 50.00 — - EXISTING CONTOUR (0.2m INTERVAL)
 — 50.00 — - B.E.L. CONTOUR (MAJOR 1.0m)
 — 50.10 — - B.E.L. CONTOUR (MINOR 0.25m)
 * 50.00 - - B.E.L. SPOT LEVEL
 — S — - EXISTING SEWER
 — W — - EXISTING SYDNEY WATER MAIN

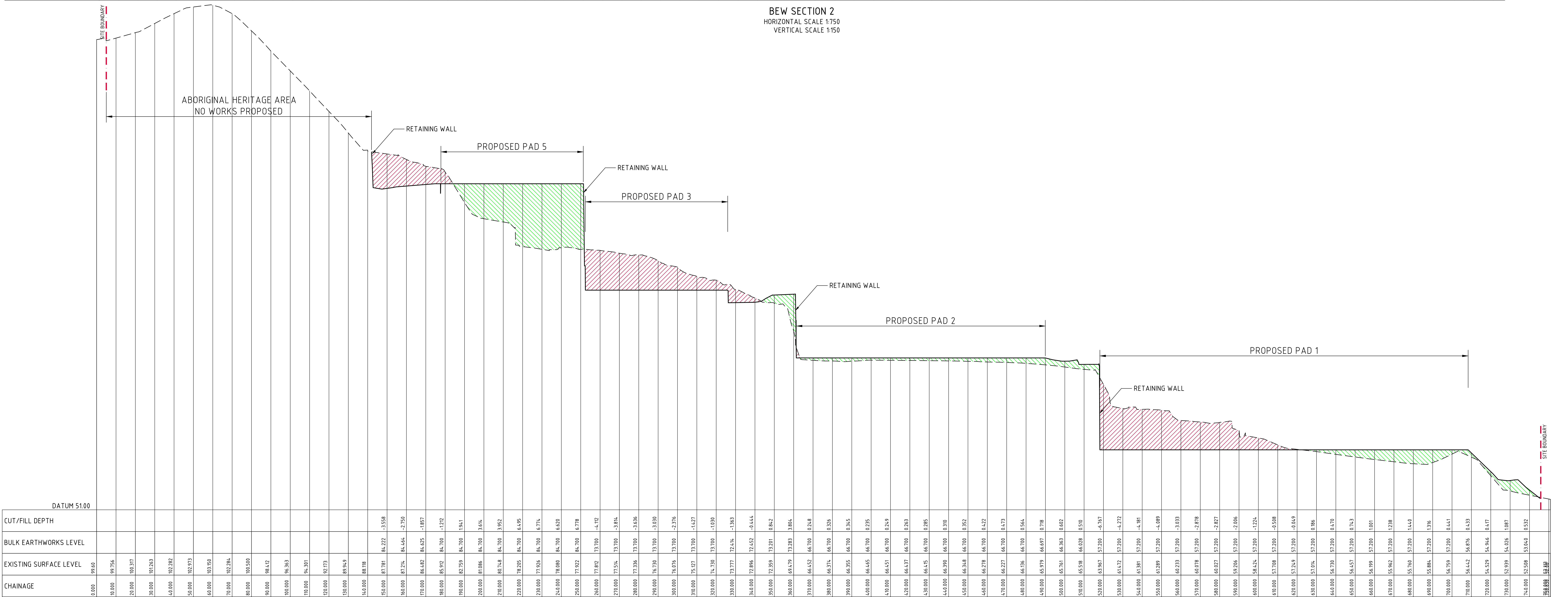
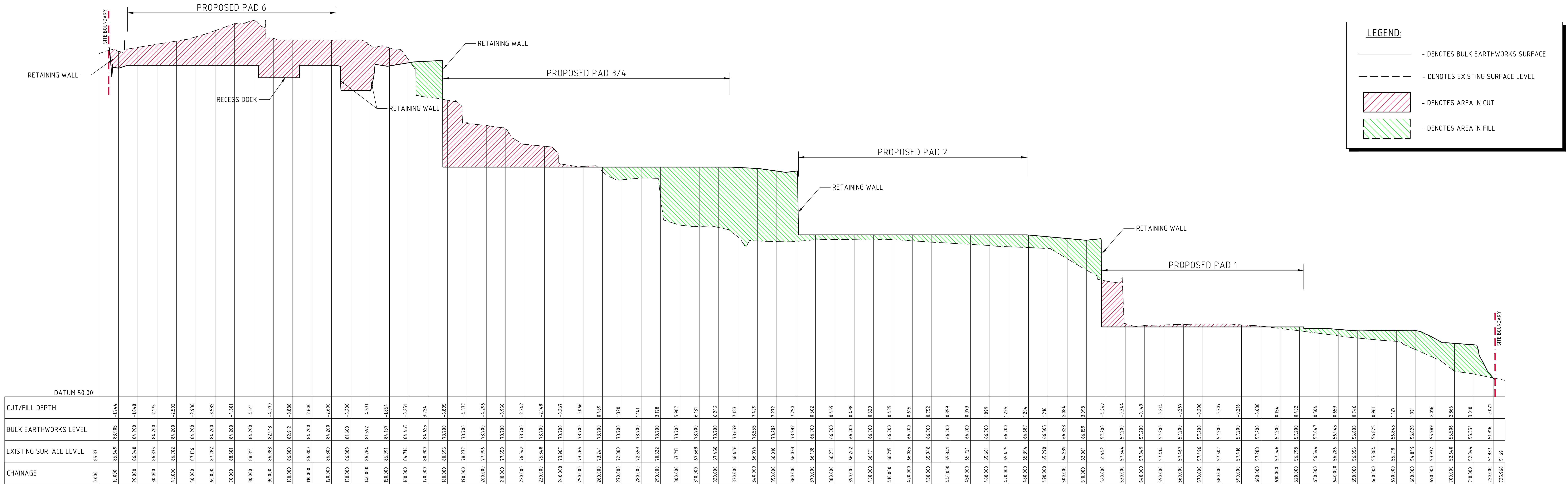
DEPTH RANGE			
No.	FROM DEPTH	TO DEPTH	COLOUR
1	-10.000	-8.000	
2	-8.000	-6.000	
3	-6.000	-4.000	
4	-4.000	-2.000	
5	-2.000	0.000	
6	0.000	2.000	
7	2.000	4.000	
8	4.000	6.000	
9	6.000	8.000	
10	8.000	10.000	



FOR DEVELOPMENT APPLICATION

6m 0 15 30 45 60 75m
SCALE 1:750 AT A0 SIZE SHEET

ISSUED FOR DEVELOPMENT APPLICATION 03.06.20 C ISSUED FOR INFORMATION 22.04.20 B ISSUED FOR INFORMATION 19.03.20 A AMENDMENTS PST ISSU AMENDMENTS DATE ISSU AMENDMENTS DATE ISSU										ARCHITECT  State Street Bulk Earthworks Pty Ltd 1001 State Street, North Sydney NSW 1585 T: (02) 9620 4044 F: (02) 9620 4040 E: info@sbarchitects.com.au										CLIENT 										PROJECT STATE SIGNIFICANT DEVELOPMENT APPLICATION 44 CLUNES ROSS STREET, GREYSTONES										 Costin Roe Consulting Pty Ltd. Consulting Engineers 475 Pitt St NSW										PRECISION COMMUNICATION ACCOUNTABILITY										DRAWING TITLE BULK EARTHWORKS CUT/FILL PLAN										DRAWING NO C013251.06-D3A31										ISSU									
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	------------------------------	--	--	--	--	--	--	--	--	--



BEW SECTION 2
HORIZONTAL SCALE 1:750
VERTICAL SCALE 1:150

BEW SECTION 1
HORIZONTAL SCALE 1:750
VERTICAL SCALE 1:150

FOR DEVELOPMENT APPLICATION





FOR DEVELOPMENT APPLICATION

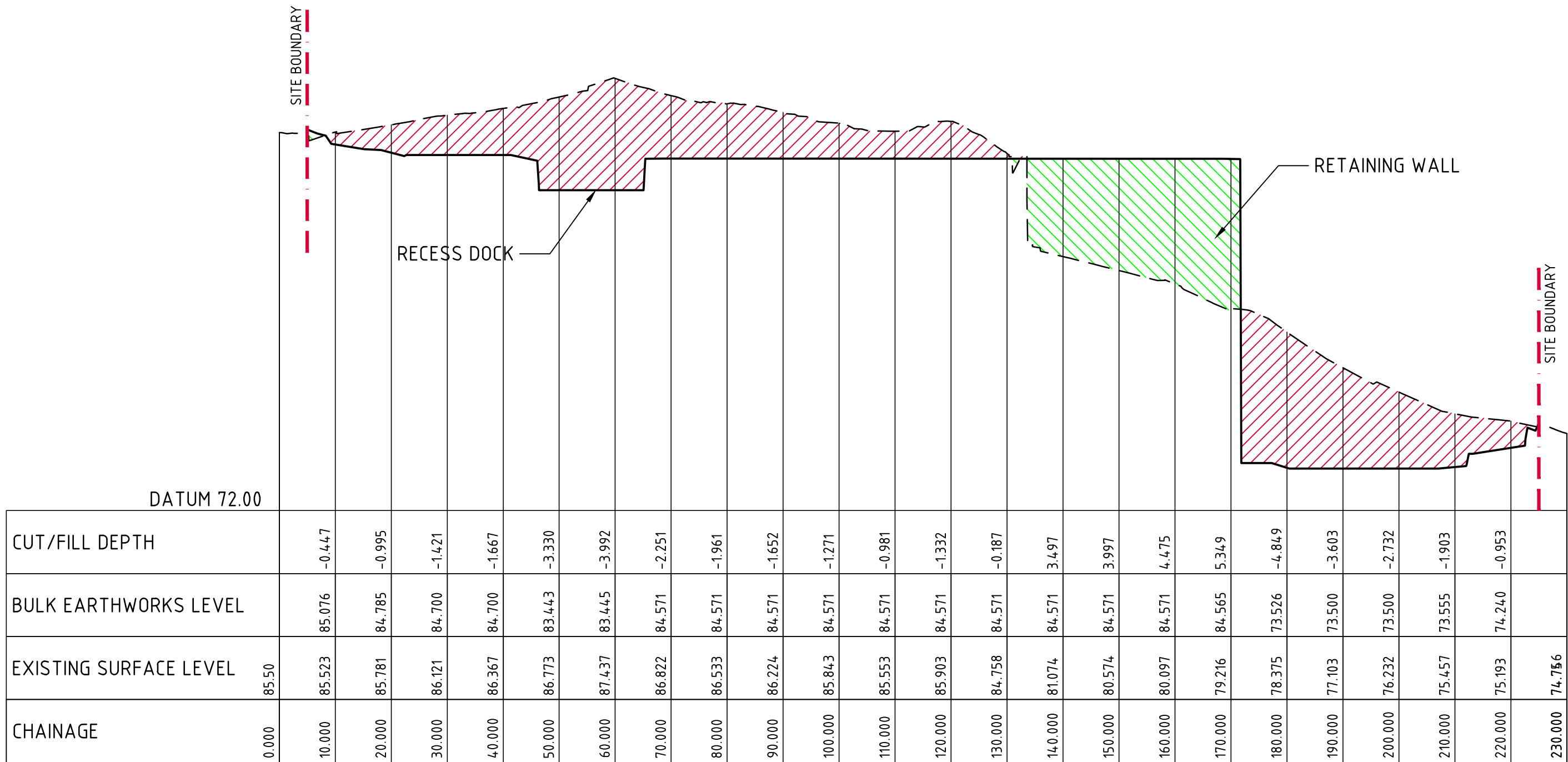
LEGEND:

- DENOTES BULK EARTHWORKS SURFACE

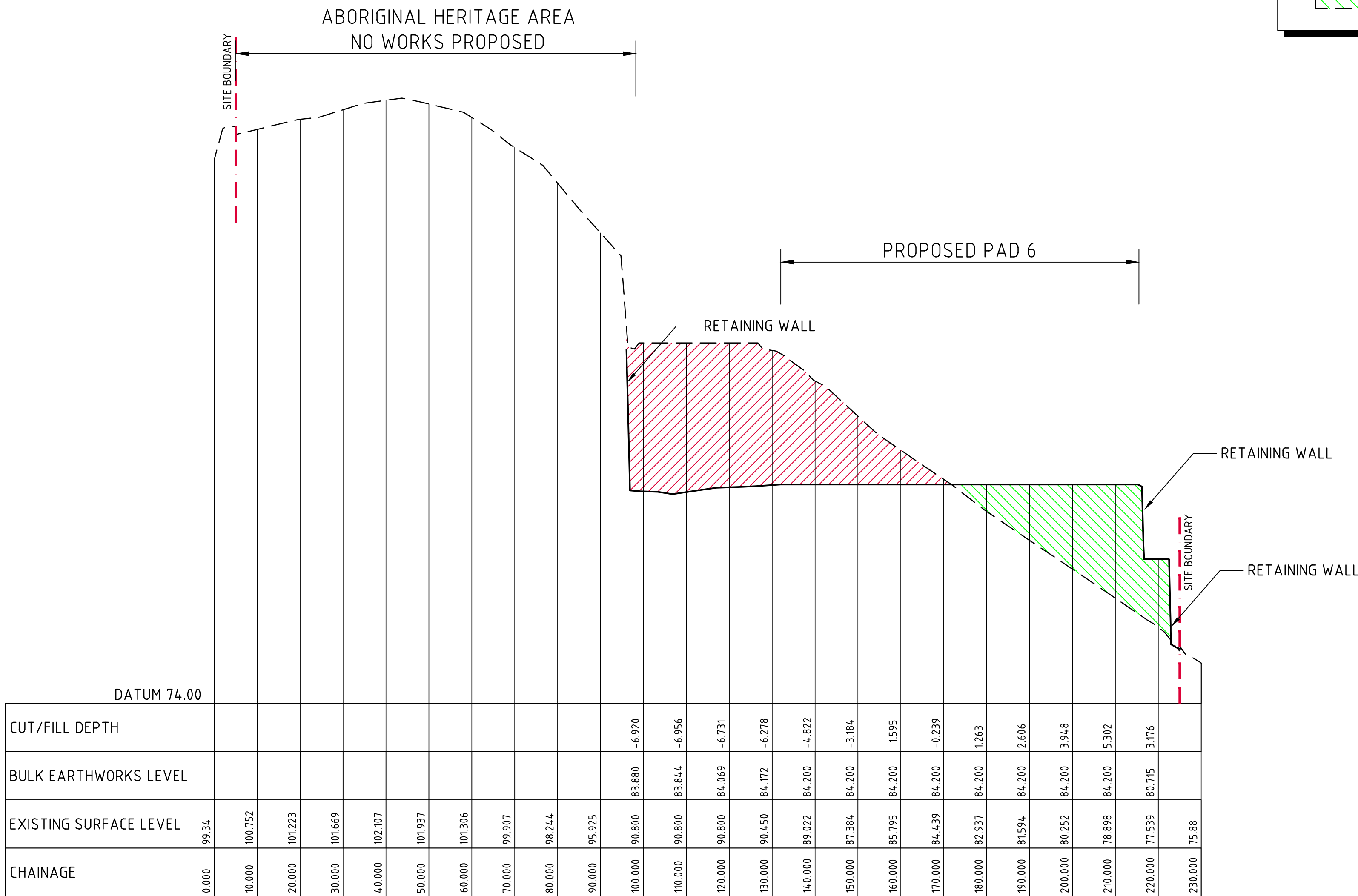
- DENOTES EXISTING SURFACE LEVEL

- DENOTES AREA IN CUT

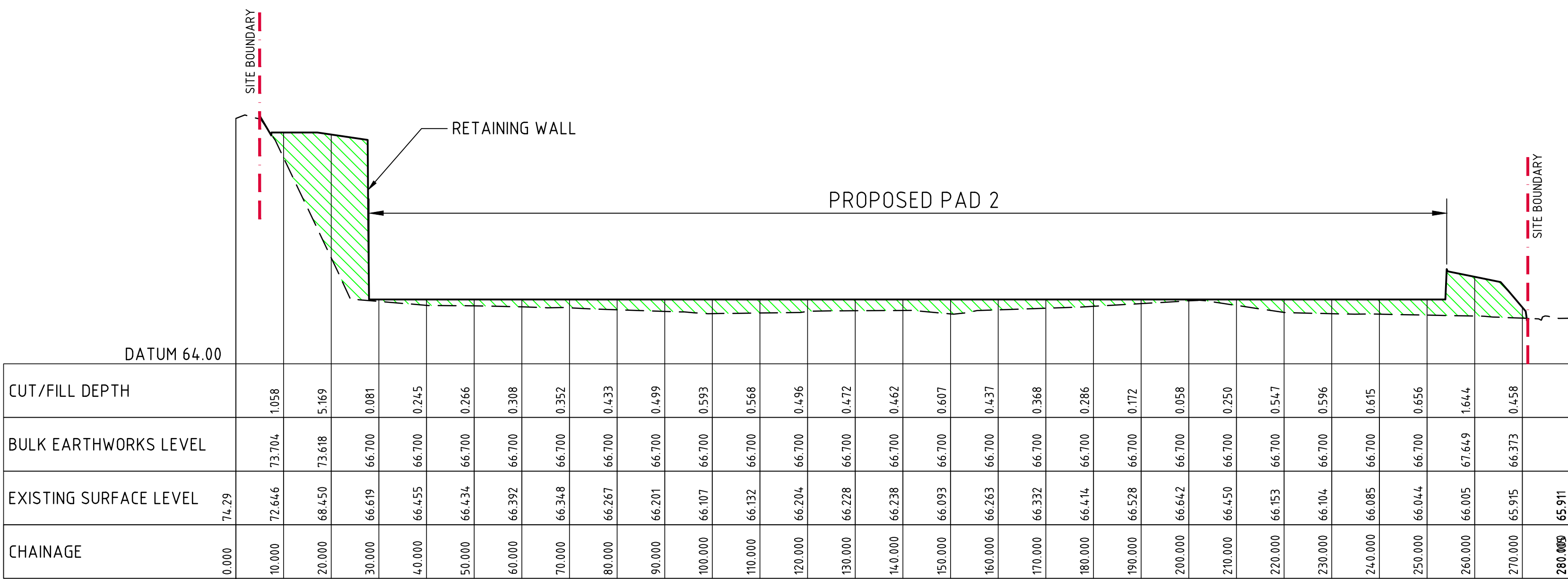
- DENOTES AREA IN FILL



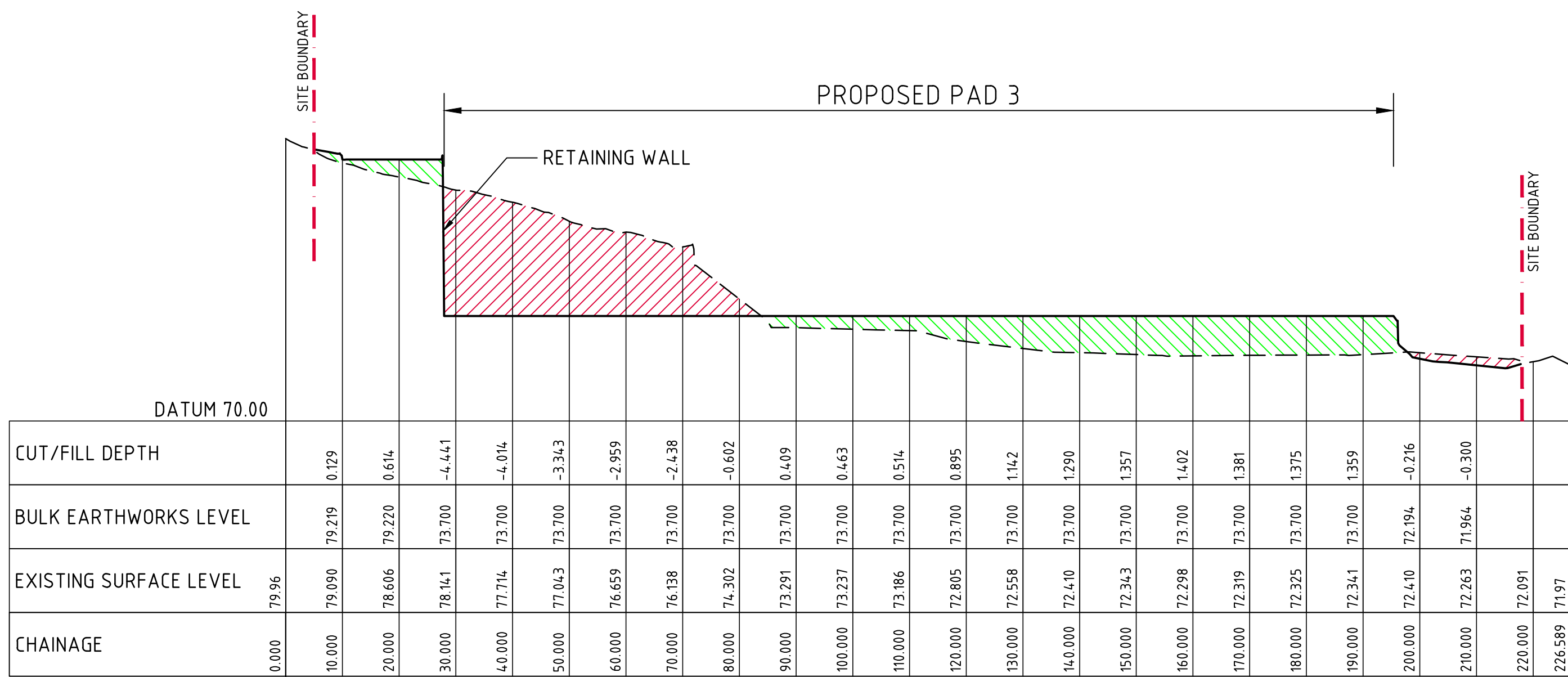
BEW SECTION 9
HORIZONTAL SCALE 1:750
VERTICAL SCALE 1:150



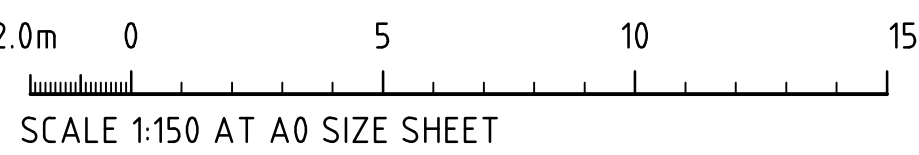
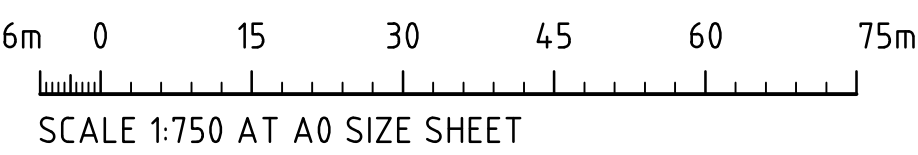
BEW SECTION 10
HORIZONTAL SCALE 1:750
VERTICAL SCALE 1:150



BEW SECTION 7
HORIZONTAL SCALE 1:750
VERTICAL SCALE 1:150



BEW SECTION 8
HORIZONTAL SCALE 1:750
VERTICAL SCALE 1:150



FOR DEVELOPMENT APPLICATION

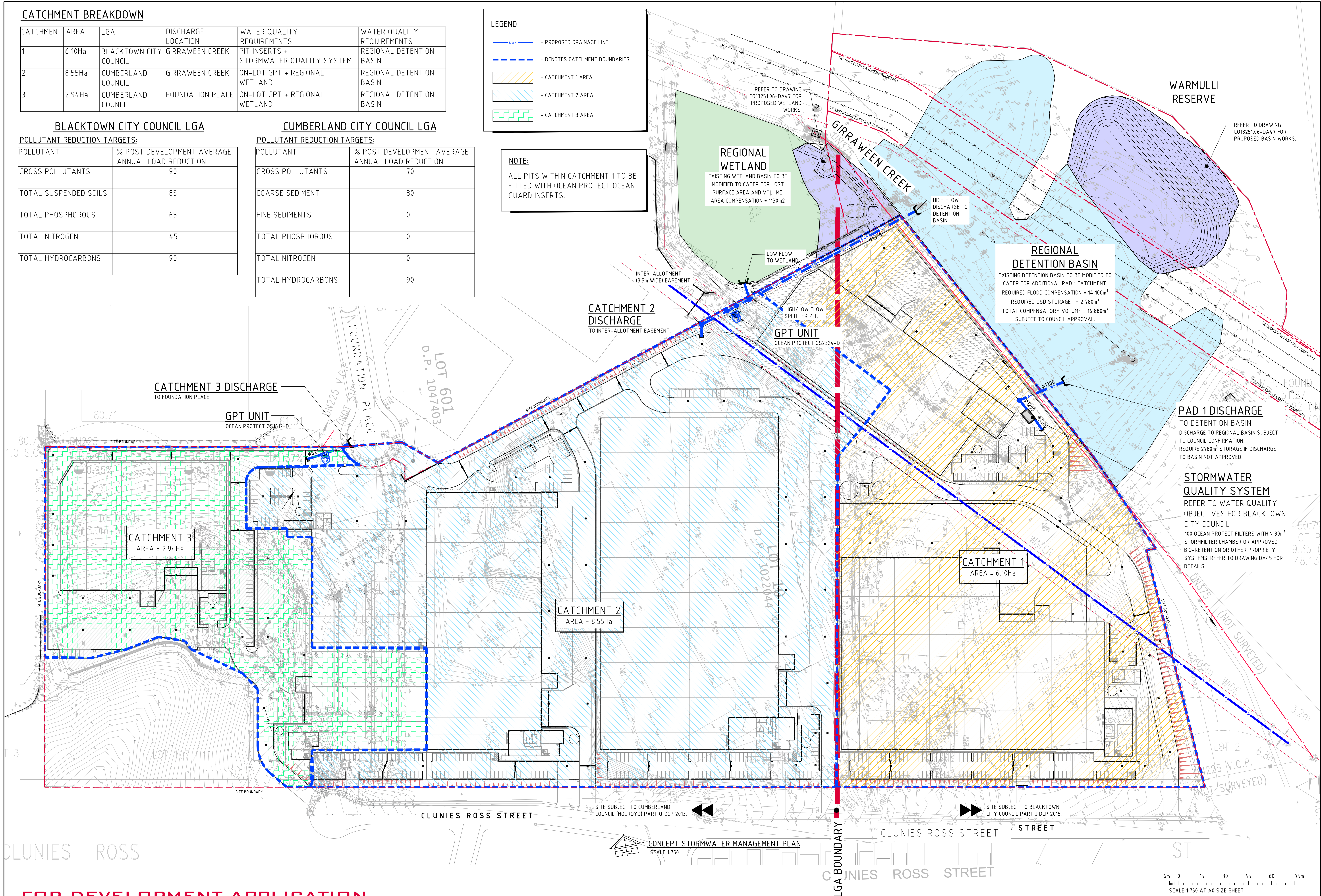
CATCHMENT	AREA	LGA	DISCHARGE LOCATION	WATER QUALITY REQUIREMENTS	WATER QUALITY REQUIREMENTS
1	6.10Ha	BLACKTOWN CITY COUNCIL	GIRRAWEE CREEK	PIT INSERTS + STORMWATER QUALITY SYSTEM	REGIONAL DETENTION BASIN
2	8.55Ha	CUMBERLAND COUNCIL	GIRRAWEE CREEK	ON-LOT GPT + REGIONAL WETLAND	REGIONAL DETENTION BASIN
3	2.94Ha	CUMBERLAND COUNCIL	FOUNDATION PLACE	ON-LOT GPT + REGIONAL WETLAND	REGIONAL DETENTION BASIN

POLLUTANT	% POST DEVELOPMENT AVERAGE ANNUAL LOAD REDUCTION
GROSS POLLUTANTS	90
TOTAL SUSPENDED SOILS	85
TOTAL PHOSPHOROUS	65
TOTAL NITROGEN	45
TOTAL HYDROCARBONS	90

POLLUTANT	% POST DEVELOPMENT AVERAGE ANNUAL LOAD REDUCTION
GROSS POLLUTANTS	70
COARSE SEDIMENT	80
FINE SEDIMENTS	0
TOTAL PHOSPHOROUS	0
TOTAL NITROGEN	0
TOTAL HYDROCARBONS	90

- - PROPOSED DRAINAGE LINE
- - DENOTES CATCHMENT BOUNDARIES
- - CATCHMENT 1 AREA
- - CATCHMENT 2 AREA
- - CATCHMENT 3 AREA

ALL PITS WITHIN CATCHMENT 1 TO BE
FITTED WITH OCEAN PROTECT OCEAN
GUARD INSERTS.



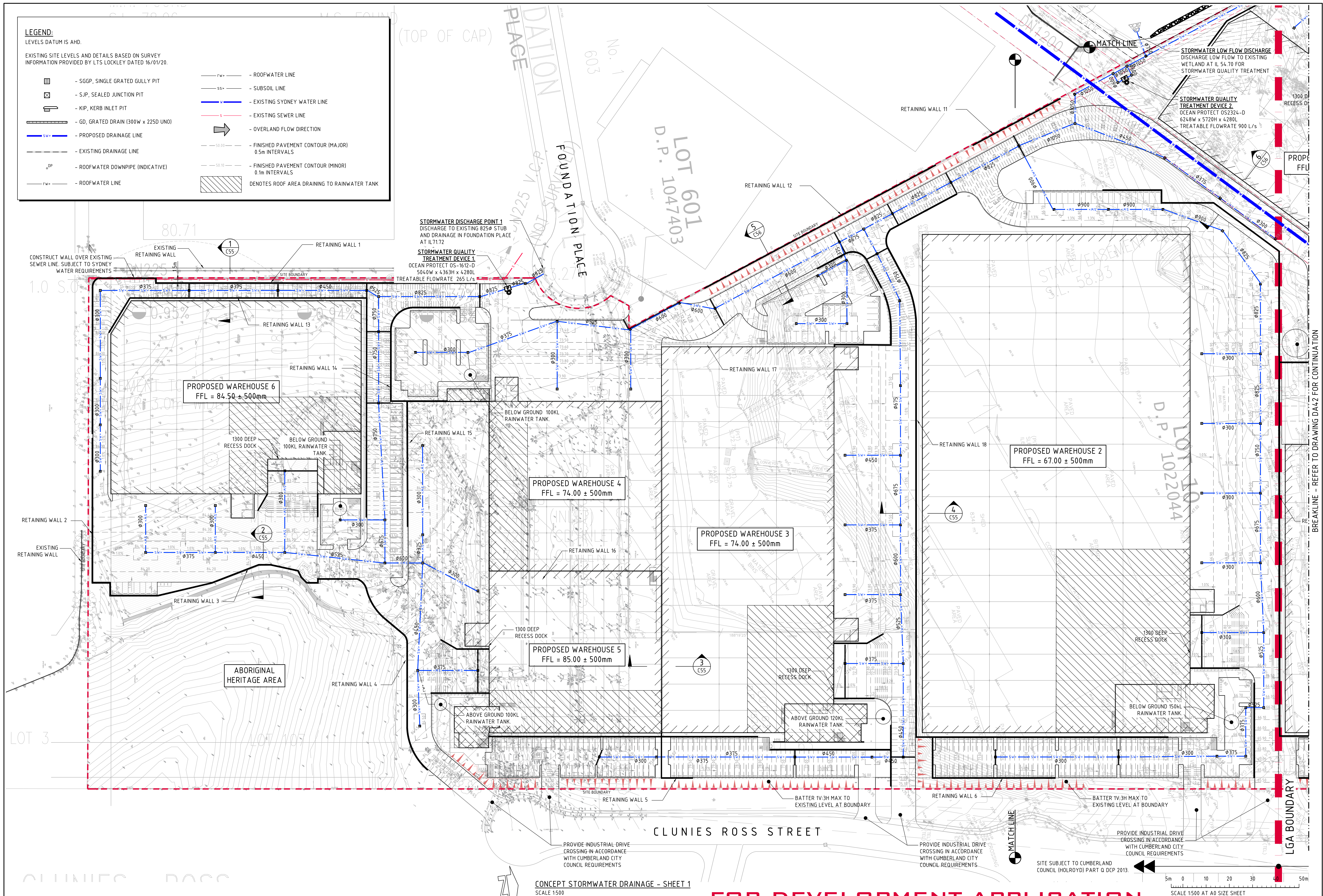
FOR DEVELOPMENT APPLICATION

[illegible]

LEVELS DATUM IS AHD.

EXISTING SITE LEVELS AND DETAILS BASED ON SURVEY
INFORMATION PROVIDED BY LTS LOCKLEY DATED 16/01/20.

- | | | | |
|---|--------------------------------------|---|---|
|  | - SGGP, SINGLE GRATED GULLY PIT |  | - ROOFWATER LINE |
|  | - SJP, SEALED JUNCTION PIT |  | - SUBSOIL LINE |
|  | - KIP, KERB INLET PIT |  | - EXISTING SYDNEY WATER LINE |
|  | - GD, GRATED DRAIN (300W x 225D UNO) |  | - EXISTING SEWER LINE |
|  | - PROPOSED DRAINAGE LINE |  | - OVERLAND FLOW DIRECTION |
|  | - EXISTING DRAINAGE LINE |  | - FINISHED PAVEMENT CONTOUR (MAJOR)
0.5m INTERVALS |
|  | - ROOFWATER DOWNPIPE (INDICATIVE) |  | - FINISHED PAVEMENT CONTOUR (MINOR)
0.1m INTERVALS |
|  | - ROOFWATER LINE |  | <div>- DENOTES ROOF AREA DRAINING TO RAINWATER TANK</div> |



CONCEPT STORMWATER DRAINAGE - SHEET 1
SCALE 1:500

FOR DEVELOPMENT APPLICATION

5m 0 10 20 30 40 50m
SCALE 1:500 AT A0 SIZE SHEET

ISSUED FOR DEVELOPMENT APPLICATION 28.10.20 D ISSUED FOR DEVELOPMENT APPLICATION 03.06.20 C ISSUED FOR INFORMATION 22.04.20 B ISSUED FOR INFORMATION 13.03.20 A											
AMENDMENTS		DATE	ISSUE	AMENDMENTS		DATE	ISSUE	AMENDMENTS		DATE	ISSUE

ARCHITECT



Suite T02, K13 Market Street, North Sydney NSW 1585
 (02) 9550 9999 F (02) 9550 9998
info@sbarchitects.com.au www.sbarchitects.com.au

CLIENT



PROJECT

STATE SIGNIFICANT DEVELOPMENT APPLICATION
44 CLUNIES ROSS STATE, GREYSTANS



Costin Roe Consulting Pty Ltd.
Consulting Engineers +61 8 938 06 048
 Level 1, 8 Windmill Street
 Rialto Row, Sydney NSW 2000
 Tel: (02) 9551-7699 Fax: (02) 9541-3731
 Email: mail@costinroe.com.au

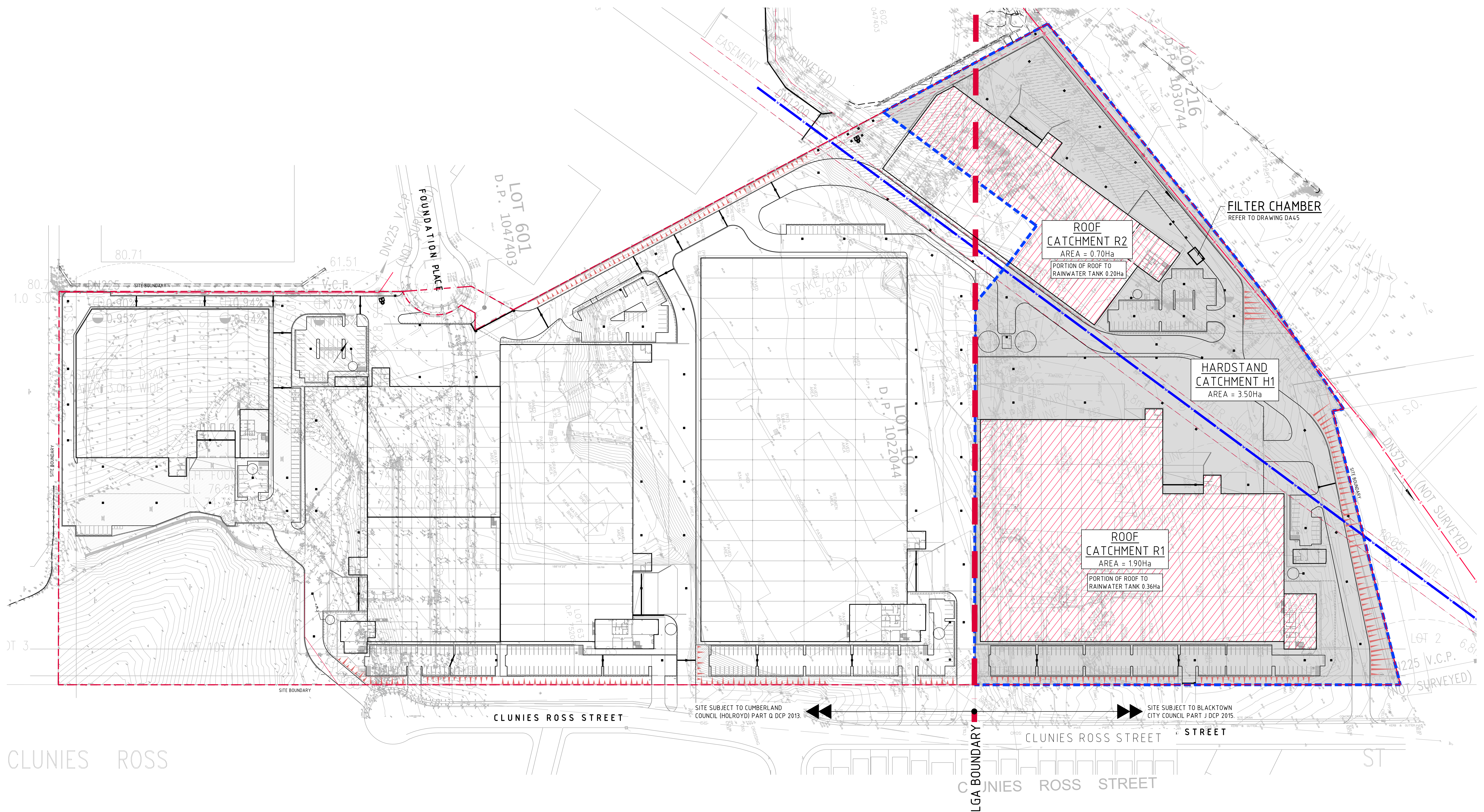
Costin Roe Consulting

PRECISION | COMMUNICATION | ACCOUNTABILITY

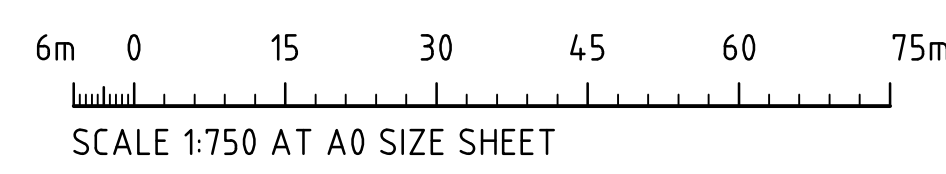
DRAWING NO: C013251.06-DA41

ISSUE

DRAWING TITLE: CONCEPT STORMWATER DRAINAGE PLAN SHEET 1



MUSIC CATCHMENT PLAN
SCALE 1:750



FOR DEVELOPMENT APPLICATION

ISSUED FOR DEVELOPMENT APPLICATION				ARCHITECT				CLIENT				PROJECT				COSTIN ROE CONSULTING PTY LTD.				DRAWING TITLE			
AMENDMENTS				SB ARCHITECTS				Aliro				STATE SIGNIFICANT DEVELOPMENT APPLICATION				Costin Roe Consulting Engineers				MUSIC CATCHMENT PLAN			
28.10.20				Level 1, 8 Windmill Street, Wahah Bay, Sydney NSW 2000				Level 1, 8 Windmill Street, Wahah Bay, Sydney NSW 2000				44 CLUNIES ROSS STREET, GREYSTANES				Tel: (02) 9251-7899 Fax: (02) 9241-3721				BLACKTOWN CITY COUNCIL LGA			
A				CADD REF: C013251.06-DA.4.3				PRECISION COMMUNICATION ACCOUNTABILITY				DRAWING No. C013251.06-DA.4.3				ISSUE A							

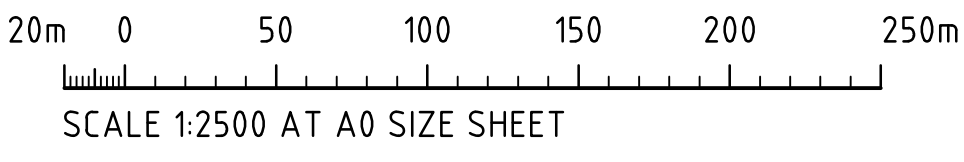


LEGEND:

- 50.00 — - EXISTING SURFACE CONTOUR
- - - - - CATCHMENT BOUNDARY
- PROPOSED SITE

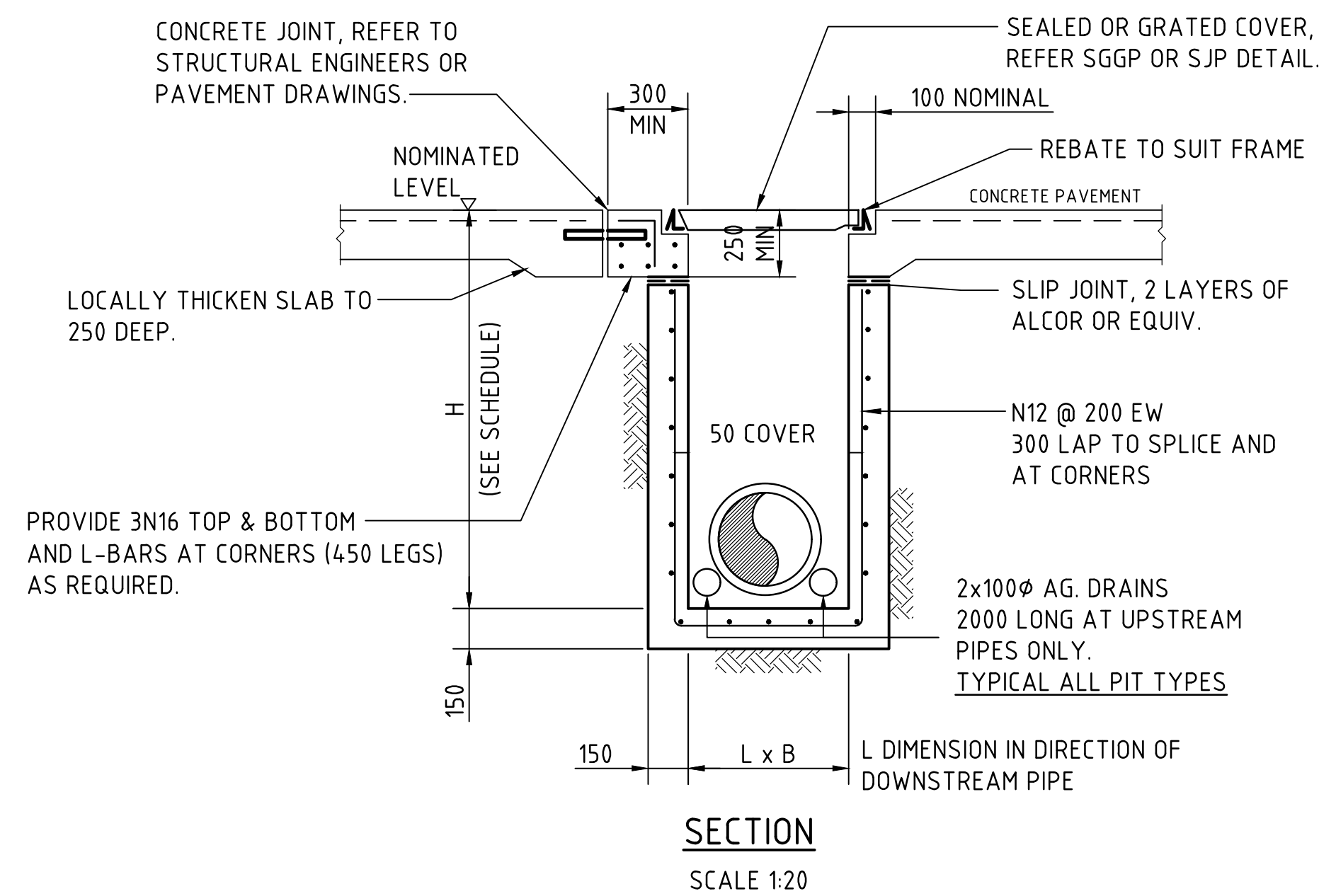
MODELLING NOTE:
DEVELOPED CATCHMENT ASSUMED 90% IMPERVIOUS.
UNDEVELOPED CATCHMENTS ASSUMED 50% IMPERVIOUS.

REGIONAL CATCHMENT PLAN
SCALE 1:2500

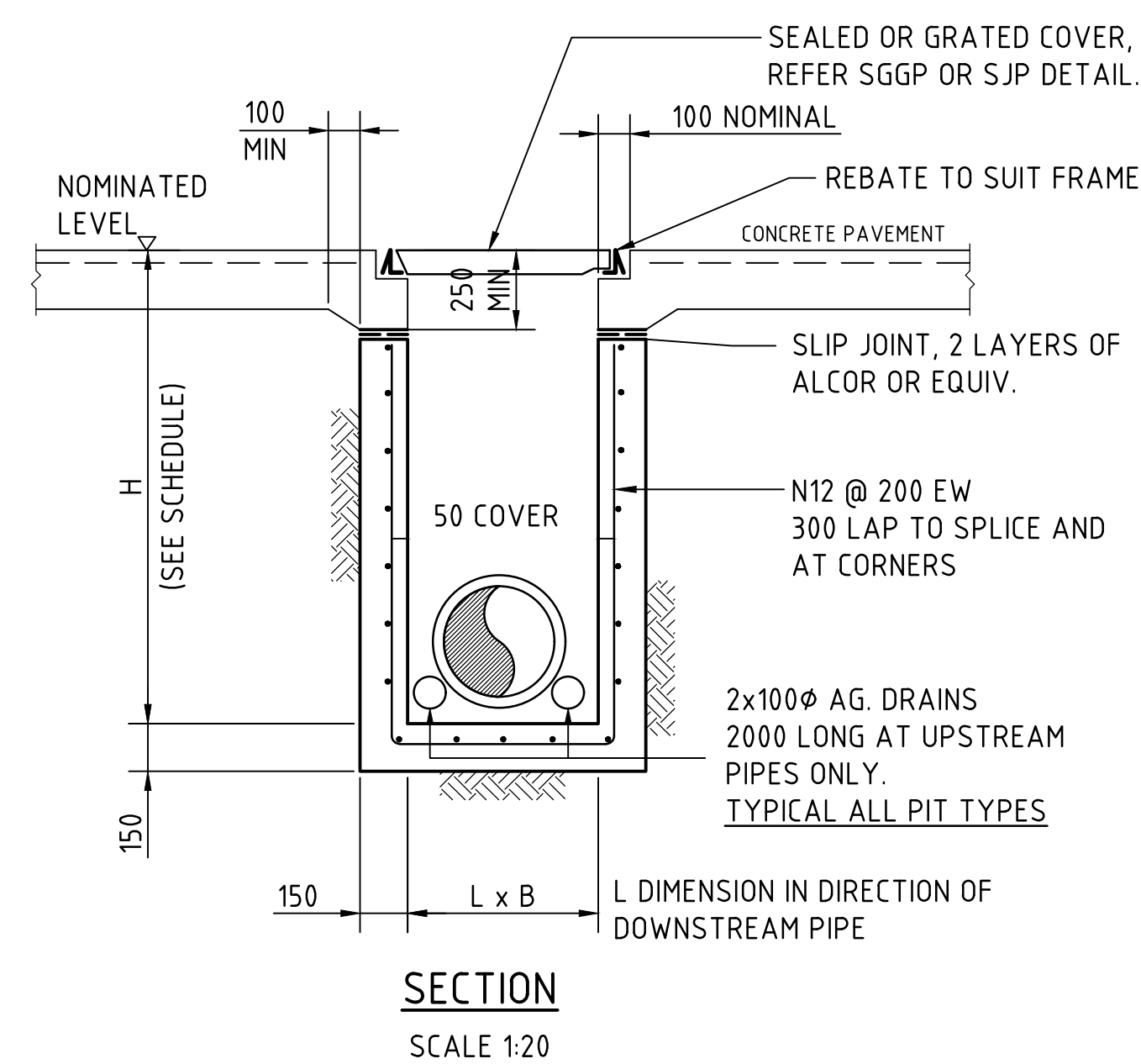


FOR DEVELOPMENT APPLICATION

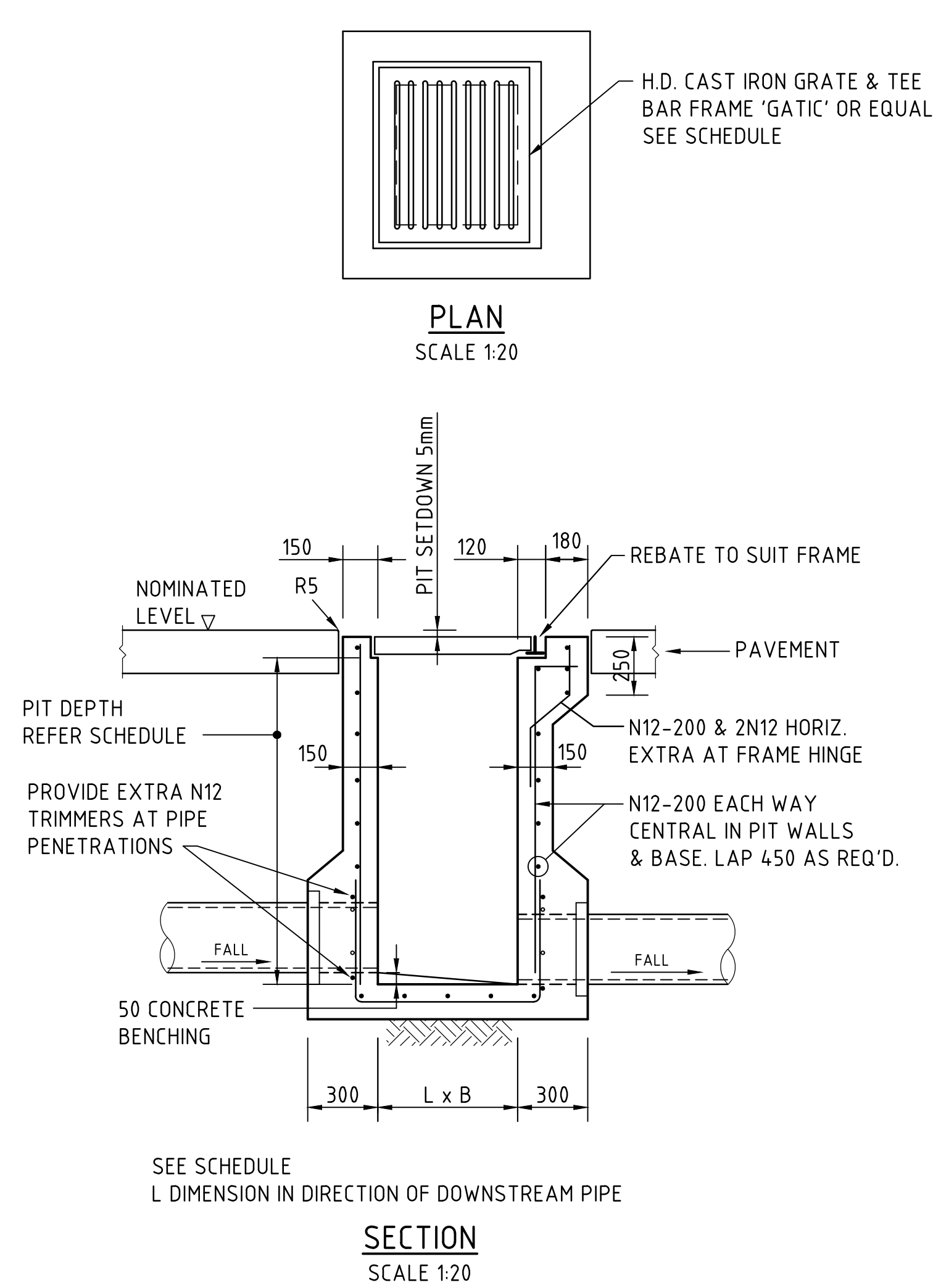
				ARCHITECT				CLIENT				PROJECT				CONSULTING ENGINEERS				DRAWING TITLE			
												STATE SIGNIFICANT DEVELOPMENT APPLICATION 44 CLUNIES ROSS STREET, GREYSTANES								REGIONAL CATCHMENT PLAN			
ISSUED FOR DEVELOPMENT APPLICATION				28.10.20				C				Level 1, 8 Windmill Street Walsh Bay, Sydney NSW 2000				Costin Roe Consulting Pty Ltd. Level 1, 8 Windmill Street Walsh Bay, Sydney NSW 2000							
ISSUED FOR DEVELOPMENT APPLICATION				03.06.20				B															
ISSUED FOR INFORMATION				22.04.20				A															
AMENDMENTS				DATE				ISSUE				AMENDMENTS				DATE				ISSUE			



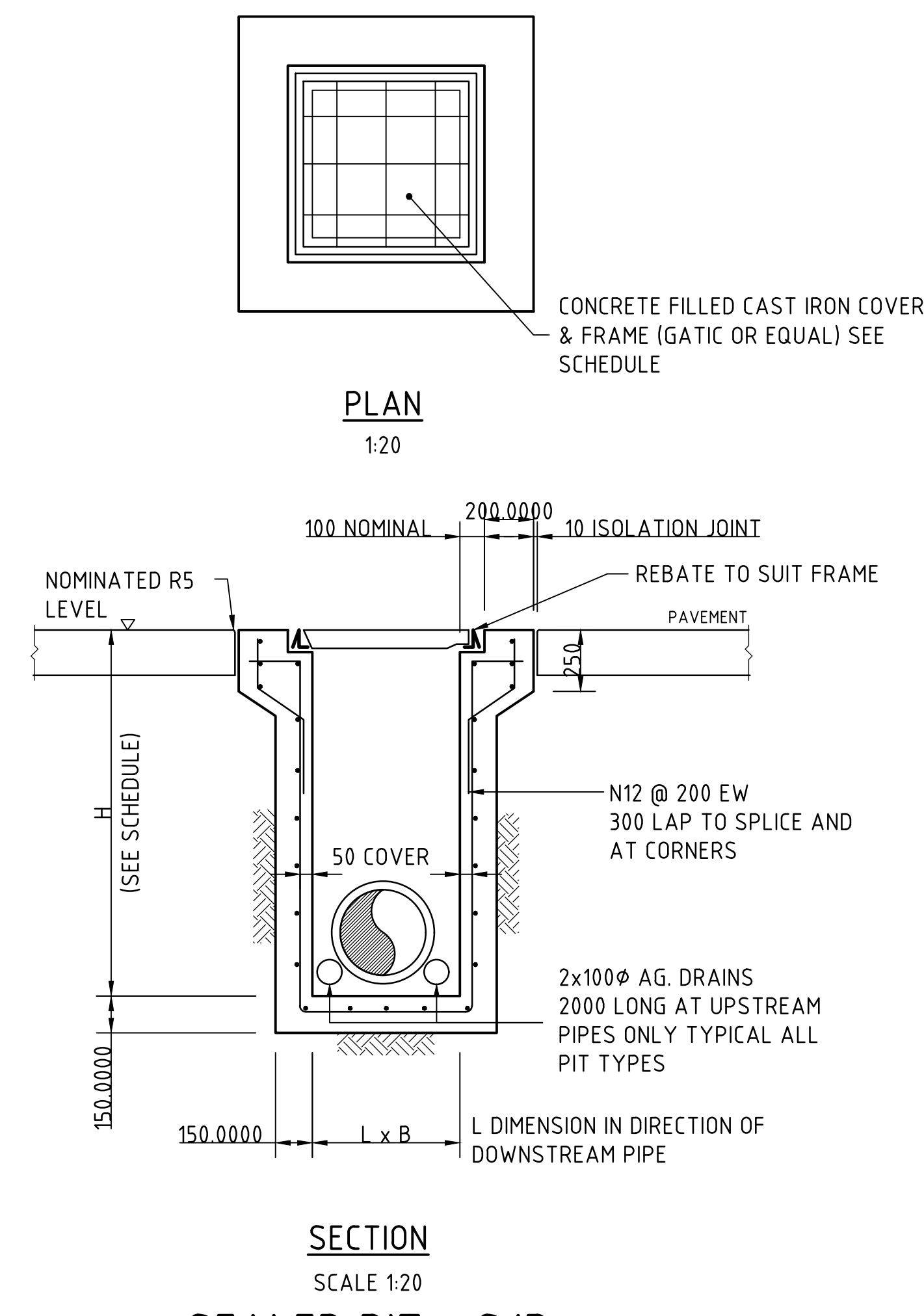
SJP/CIS & SGGP/CIS (CAST IN SLAB) PIT DETAIL
GRATE/COVER SUPPORT
CAST-INTO PAVEMENT SLAB
 (ADOPT IN CONCRETE PAVEMENT FOR SGGP's & SJP's, WHERE PITS ARE LOCATED IN THE CORNER OF SLAB PANELS OR ADJACENT TO SLAB PANEL JOINTS)



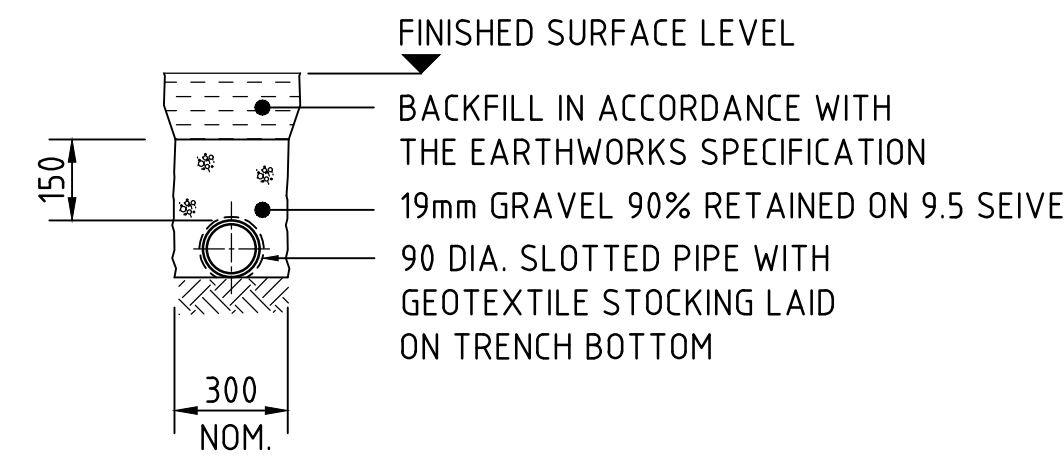
SJP/CIS & SGGP/CIS (CAST IN SLAB) PIT DETAIL
GRATE/COVER SUPPORT
CAST-INTO PAVEMENT SLAB
 (ADOPT IN CONCRETE PAVEMENTS FOR SGGP's & SJP's, WHERE JOINTS ARE NOT LOCATED WITHIN PROXIMITY OF THE GRATE)



SINGLE GRATED GULLY PIT - SGGP

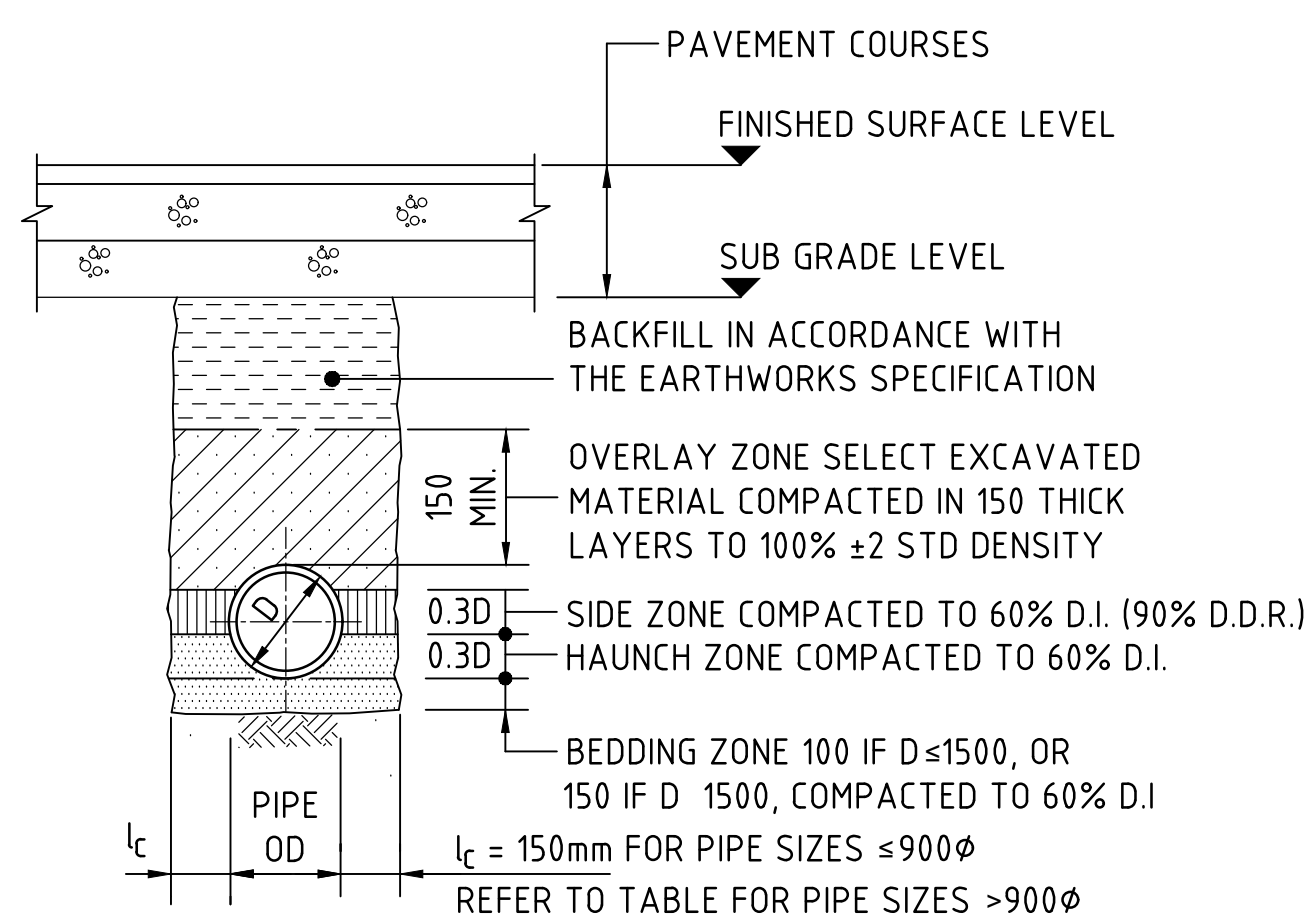


SEALED PIT - SJP



SUPPORT TO AGRICULTURAL DRAIN
 SCALE 1:20

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

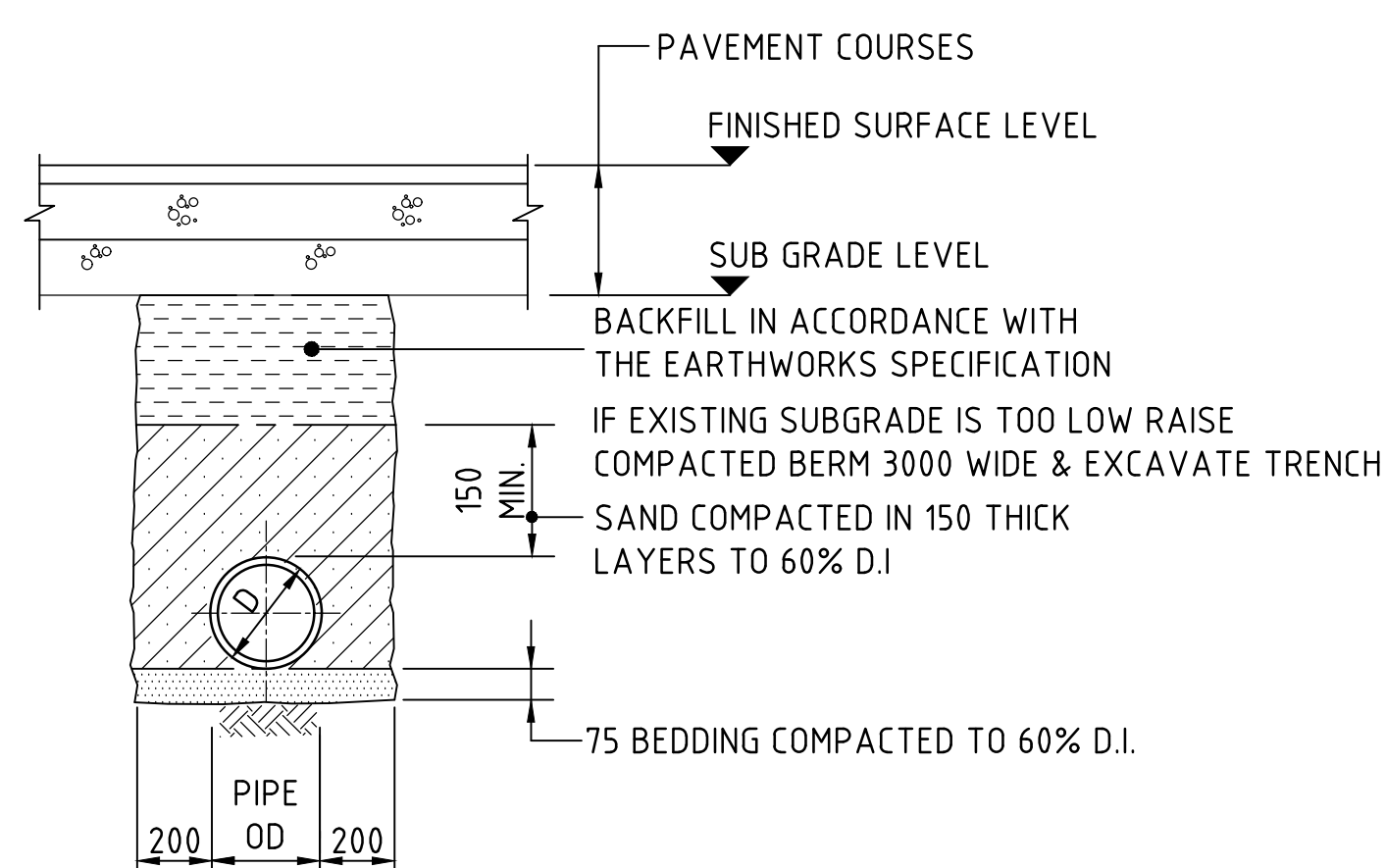


TYPE HS2 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT
 SCALE 1:20
 D ≤1350, MAX FILL = 4.0m
 D >1350, MAX FILL = 3.0m

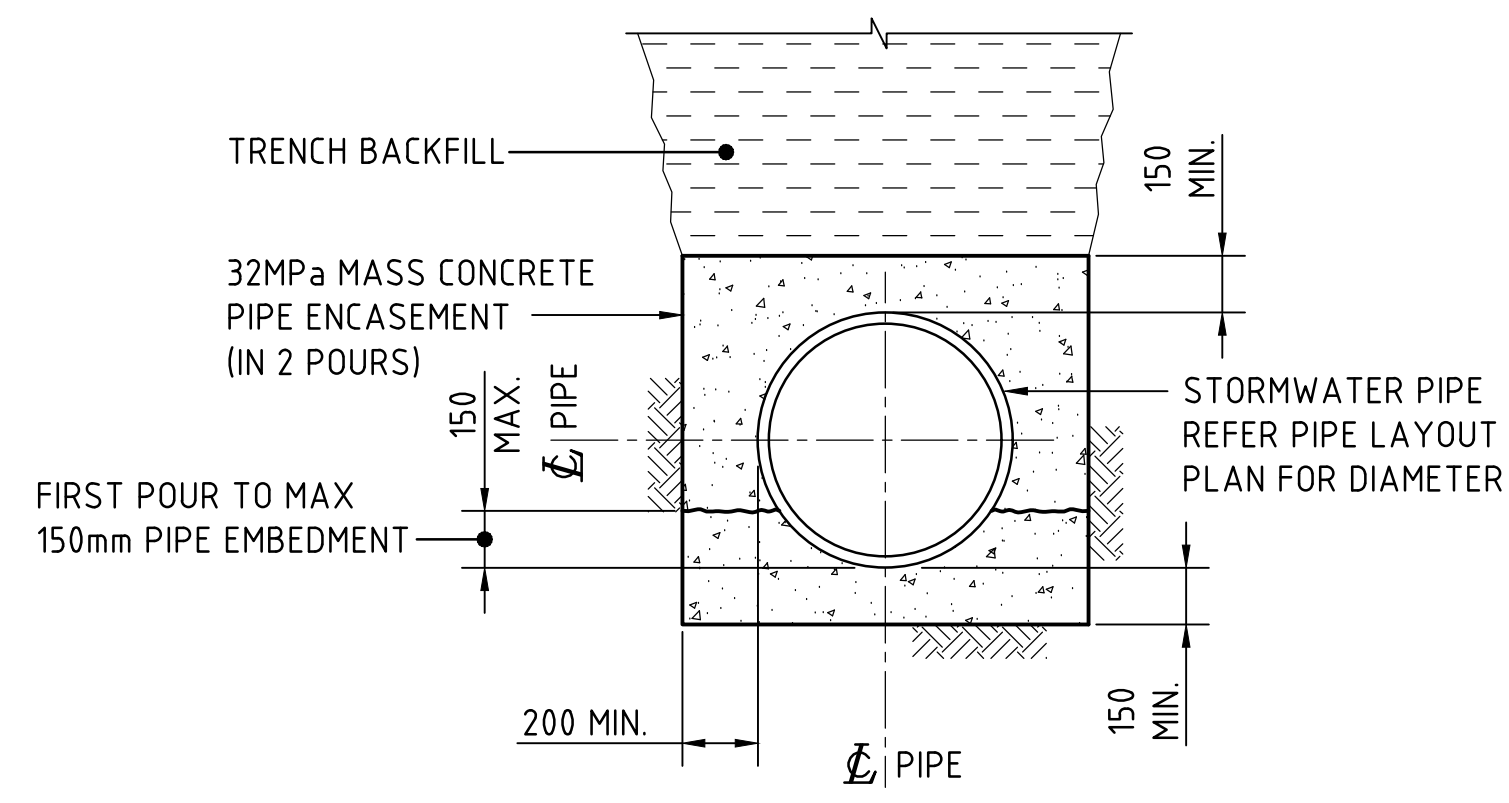
BEDDING & HAUNCH MATERIAL GRADING	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
19.0	100
2.36	90 TO 50
0.60	90 TO 50
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

SIDE ZONE MATERIAL GRADING	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
75.0	100
9.5	100 TO 50
2.36	100 TO 50
0.60	50 TO 15
0.075	25 TO 0

SELECT FILL MATERIAL IN ACCORDANCE WITH TABLE 1 AS 3725

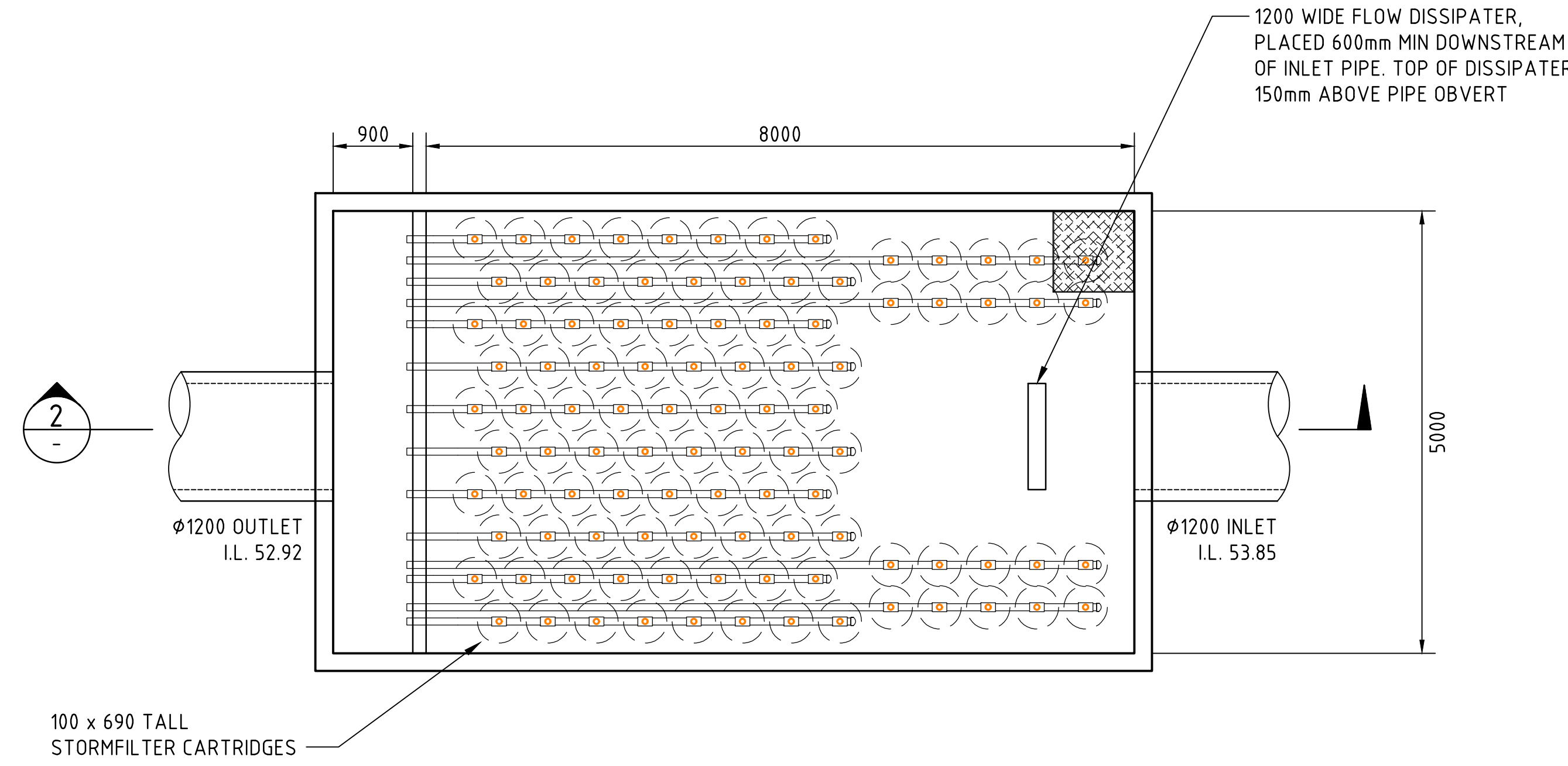


SUPPORT TO uPVC PIPES
 SCALE 1:20

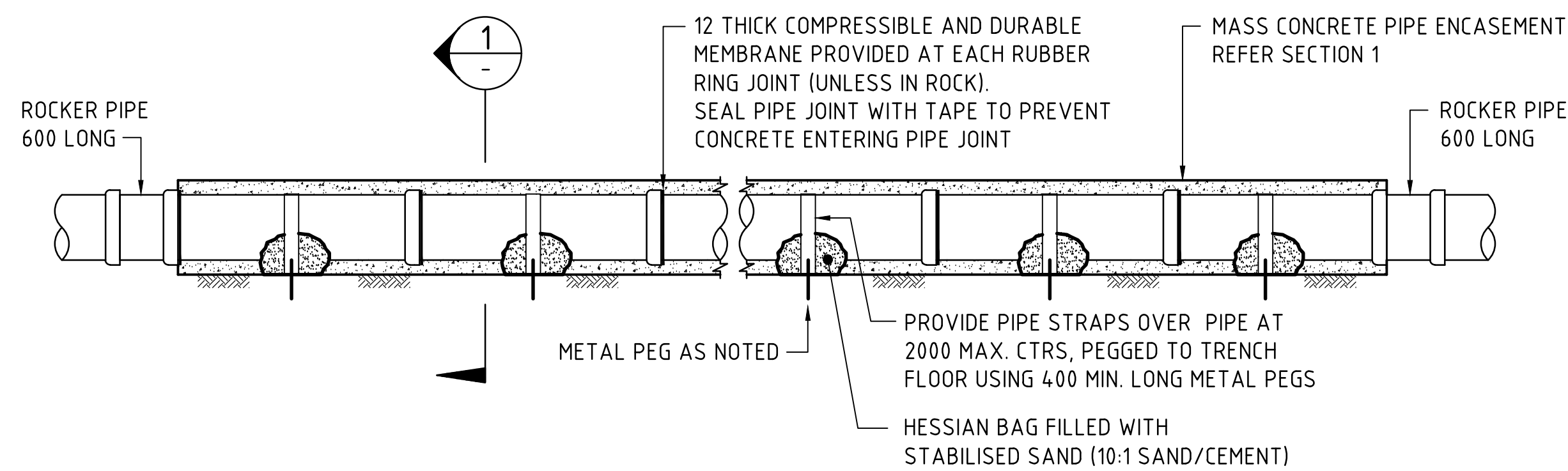
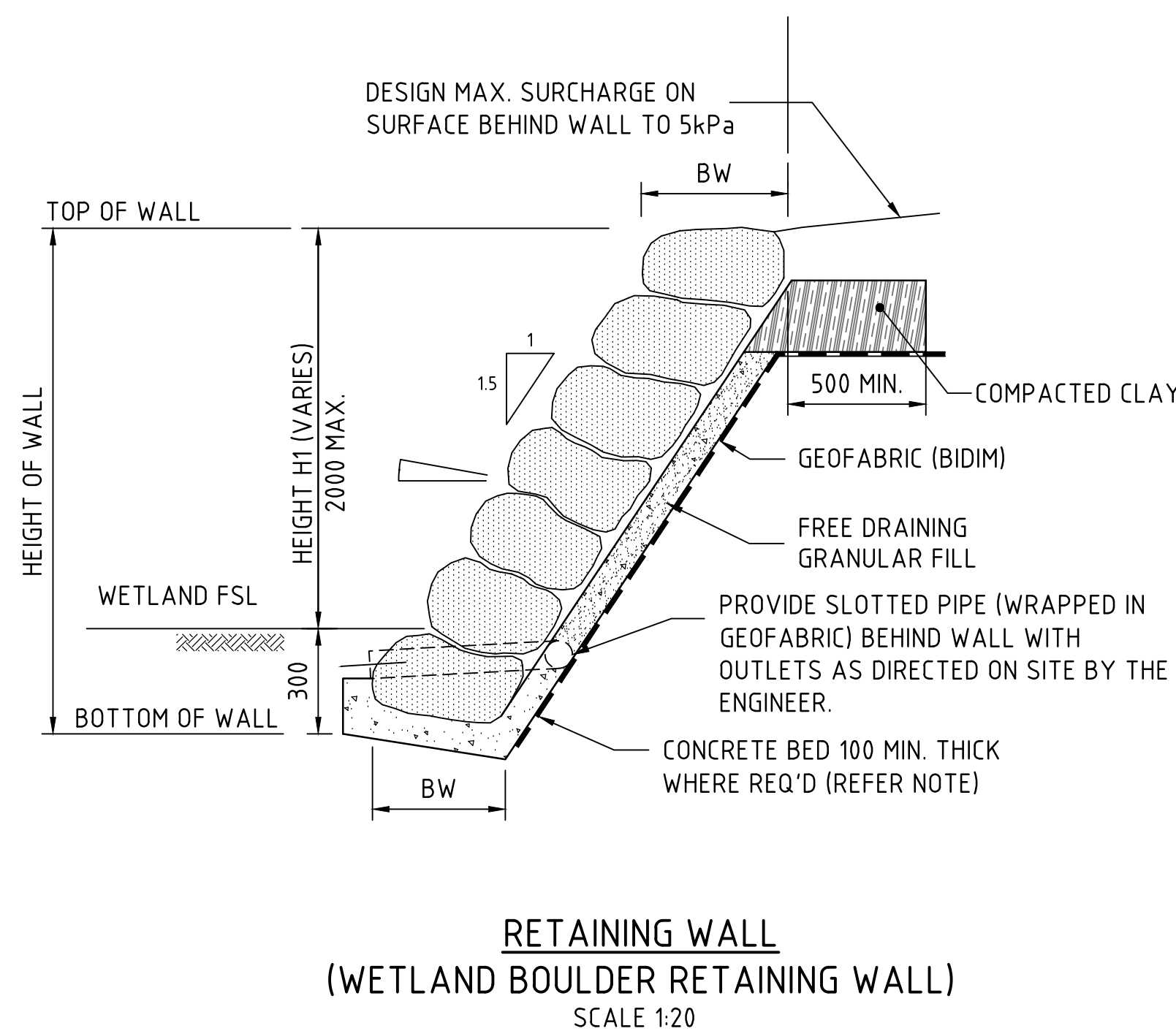


PIPE LAYING DETAILS
 SCALE 1:20

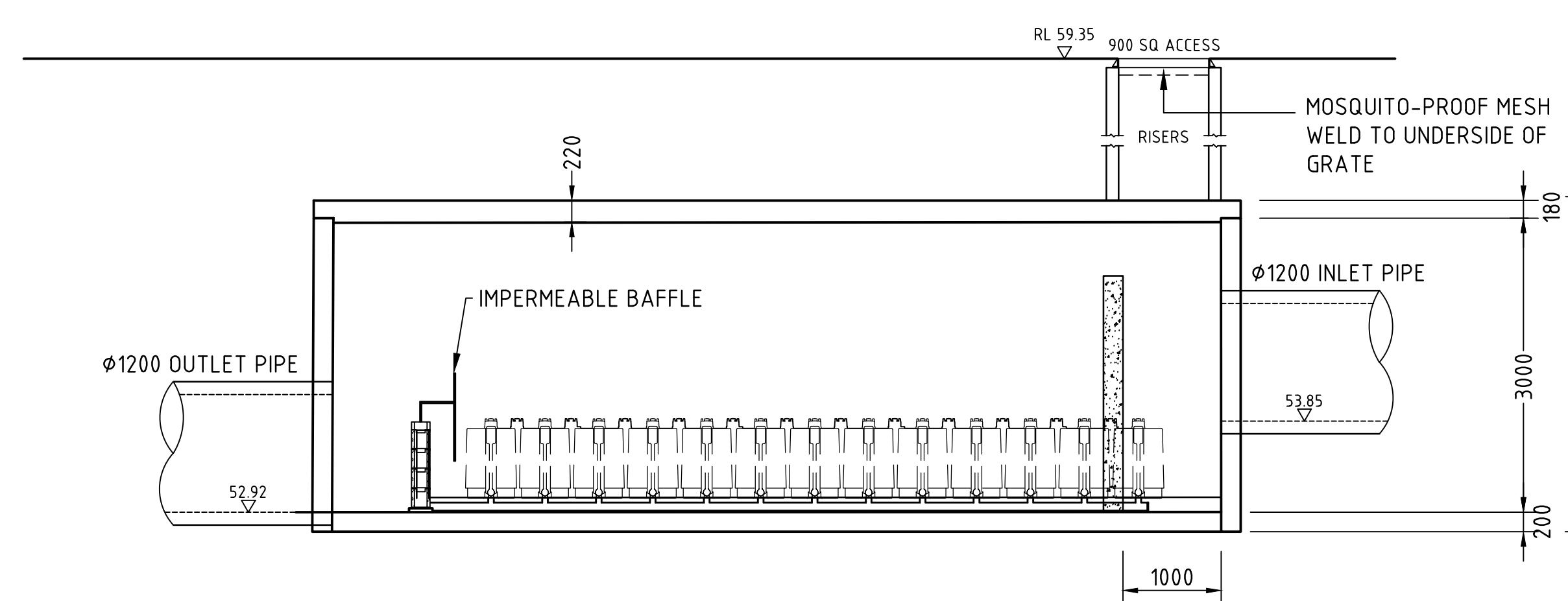
NOTE :
 DURING THE ENCASEMENT PROCESS THE CONTRACTOR IS TO PROVIDE SUPPORT TO THE PIPE TO PREVENT PIPE MOVEMENT AND/OR FLOAT. CONCRETE ENCASEMENT TO BE INSTALLED IN 2 POURS.



STORMWATER QUALITY DEVICE PLAN
 SCALE 1:50



STORMWATER PIPE CONCRETE ENCASEMENT TYPICAL DETAIL
 SCALE 1:50



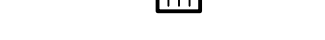
SECTION 2
 SCALE 1:50

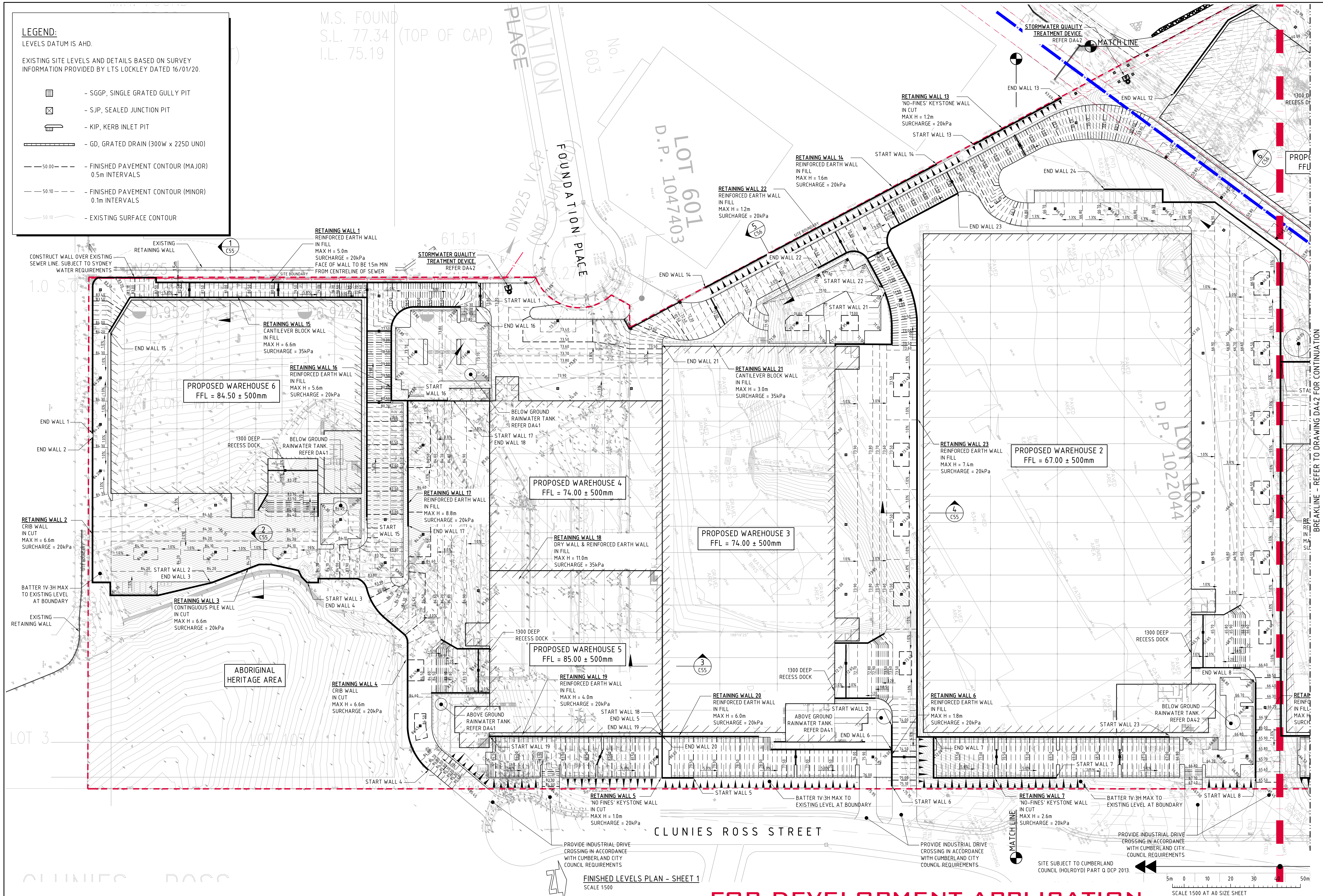
FOR DEVELOPMENT APPLICATION

ISSUED FOR DEVELOPMENT APPLICATION										28.10.20										D										ARCHITECT										CLIENT										PROJECT										COSTIN ROE CONSULTING PTY LTD.										DRAWING TITLE																																																	
ISSUED FOR DEVELOPMENT APPLICATION										03.06.20										C										ARCHITECT										CLIENT										PROJECT										COSTIN ROE CONSULTING PTY LTD.										CONCEPT STORMWATER DRAINAGE																																																	
ISSUED FOR INFORMATION										22.04.20										B										ARCHITECT										CLIENT										PROJECT										COSTIN ROE CONSULTING PTY LTD.										DETAILS																																																	
ISSUED FOR INFORMATION										10.03.20										A										ARCHITECT										CLIENT										PROJECT										COSTIN ROE CONSULTING PTY LTD.																																																											
AMENDMENTS										DATE										ISSUE										AMENDMENTS										DATE										ISSUE										PRECISION										COMMUNICATION										ACCOUNTABILITY										DRAWING NO.										C01325106-DA45										ISSUE									

LEVELS DATUM IS AHD.

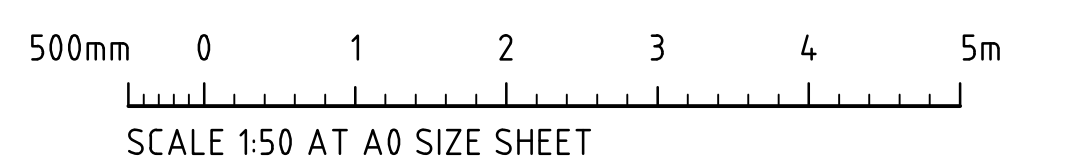
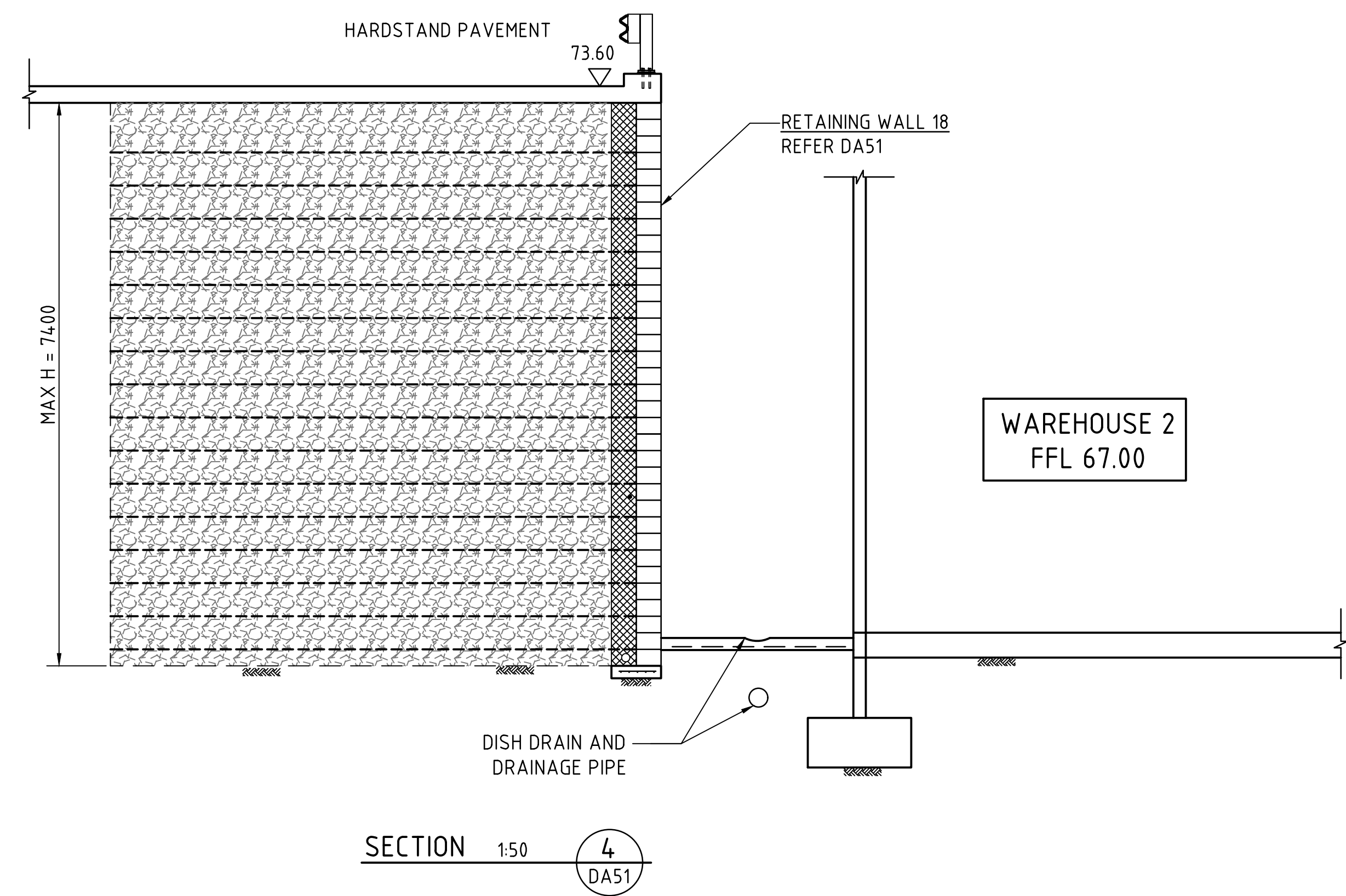
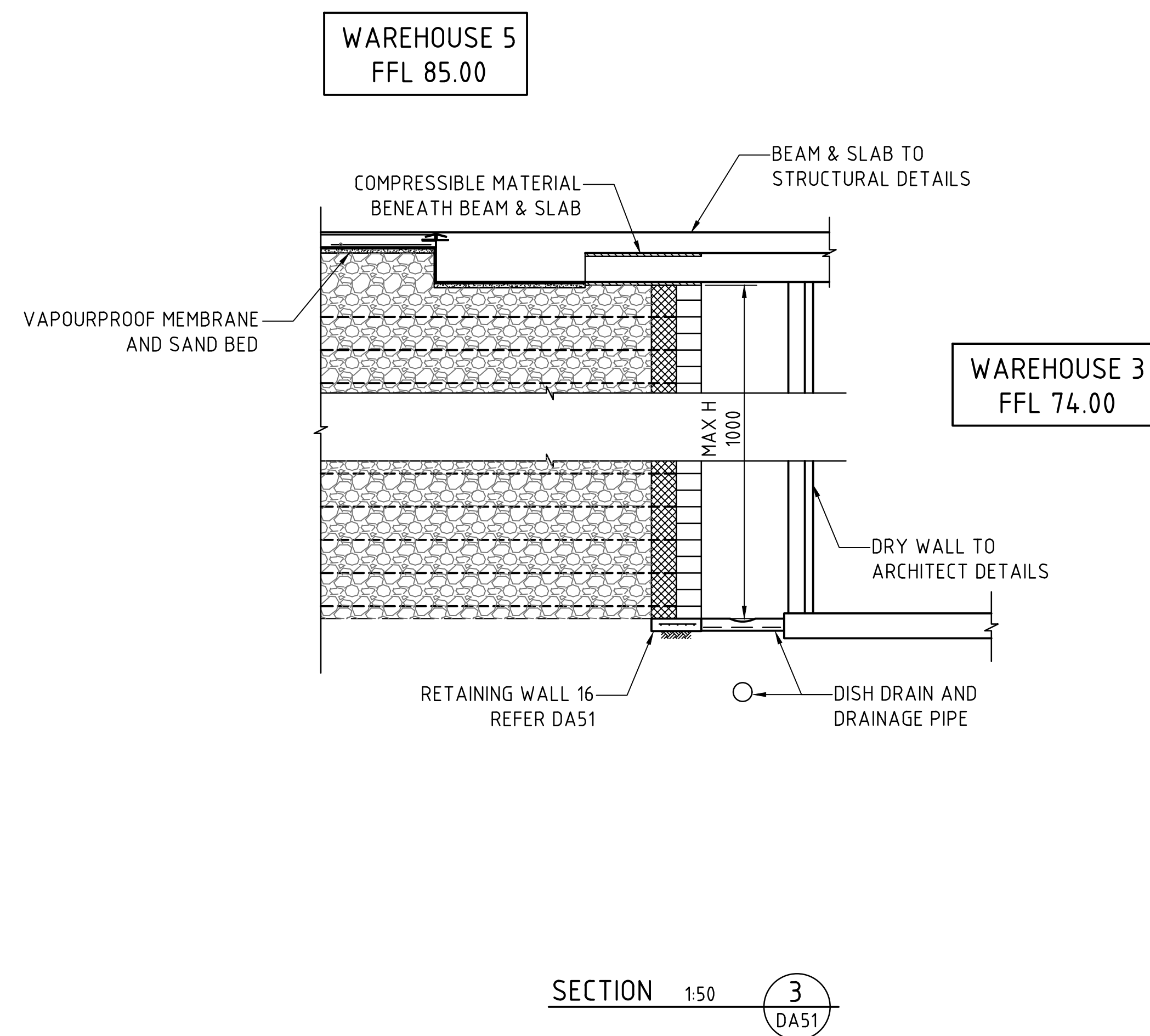
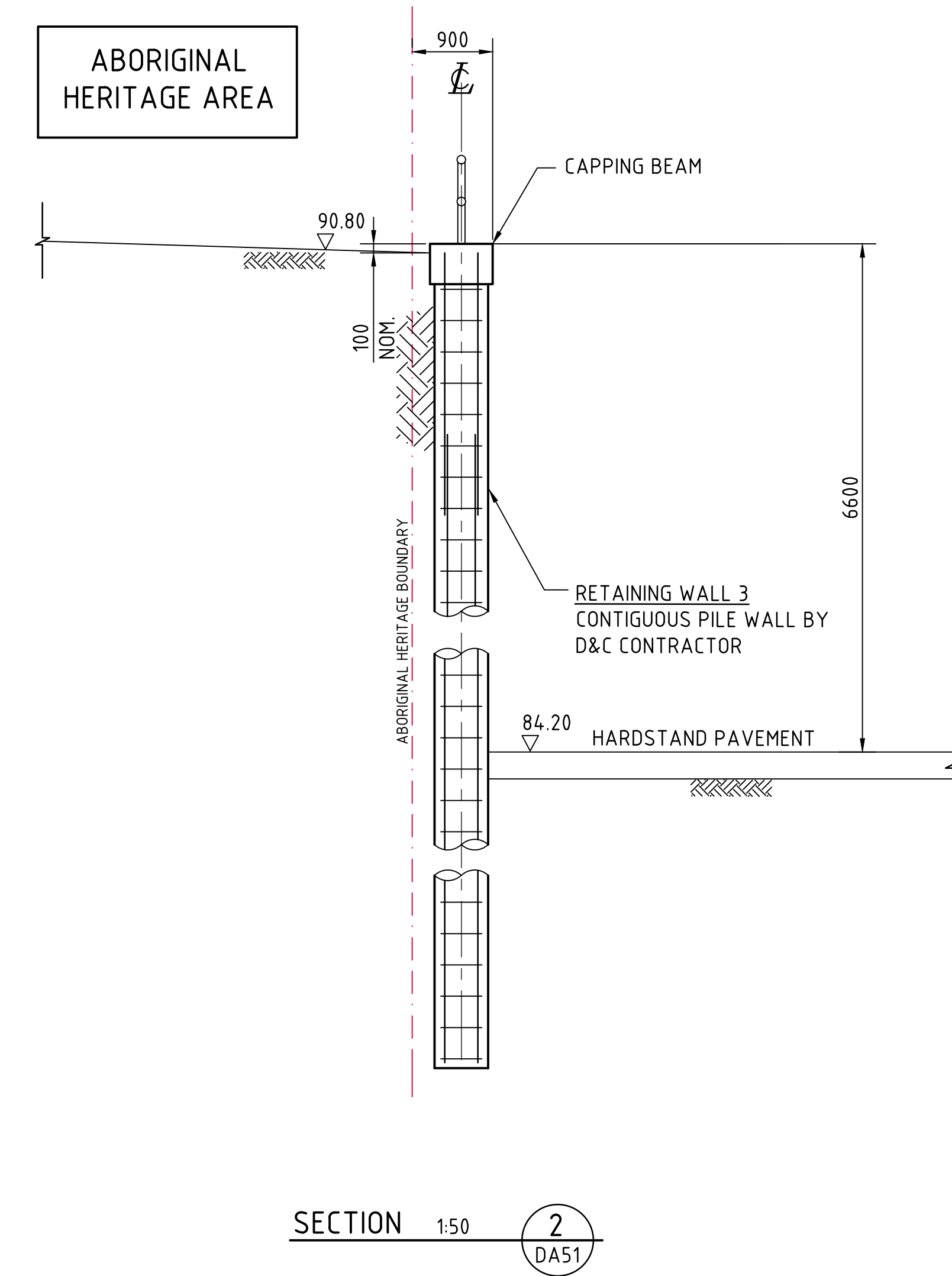
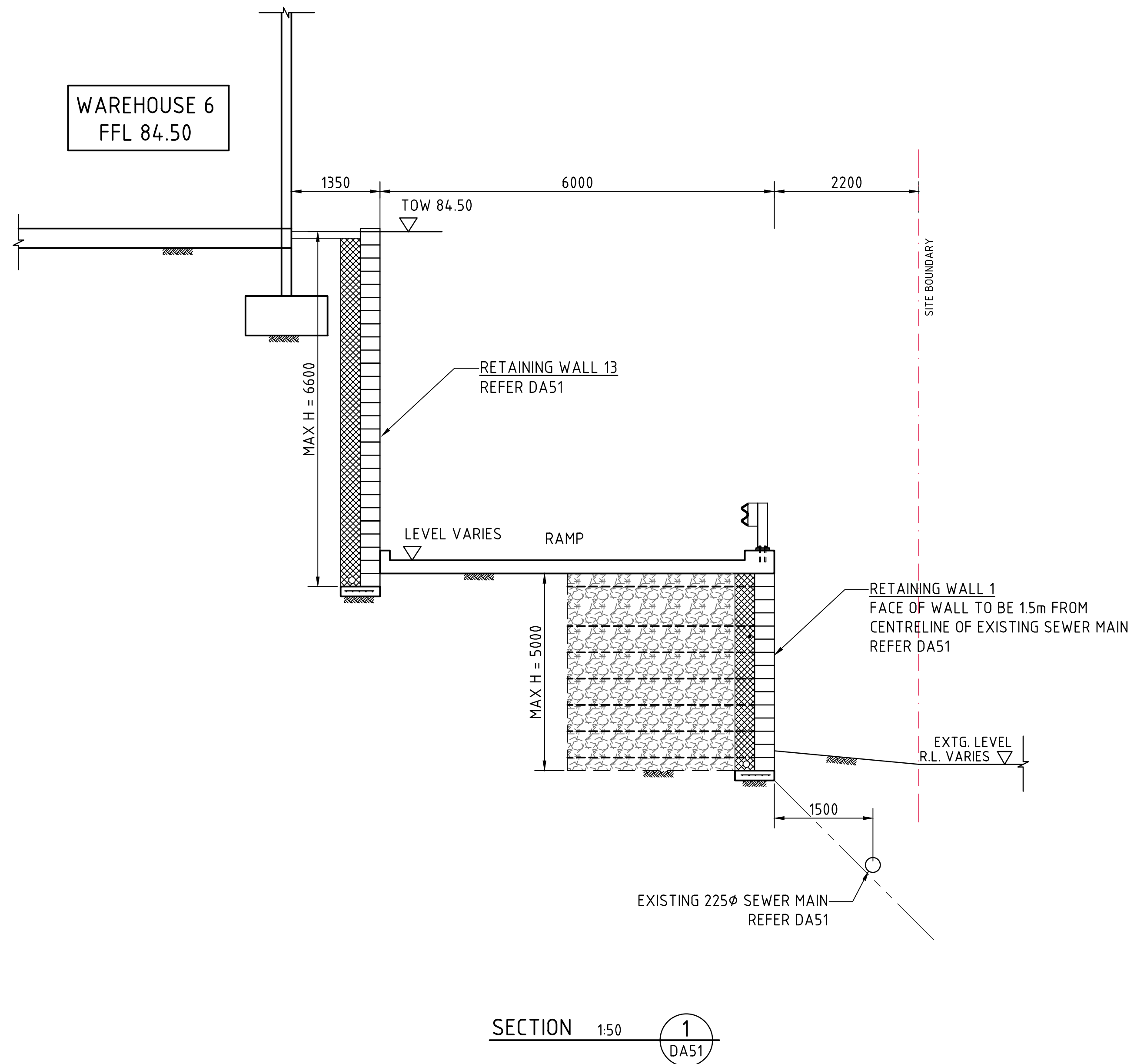
EXISTING SITE LEVELS AND DETAILS BASED ON SURVEY
INFORMATION PROVIDED BY LTS LOCKLEY DATED 16/01/20

- | | |
|---|---|
|  | - SGGP, SINGLE GRATED GULLY PIT |
|  | - SJP, SEALED JUNCTION PIT |
|  | - KIP, KERB INLET PIT |
|  | - GD, GRATED DRAIN (300W x 225D UNO) |
|  | - FINISHED PAVEMENT CONTOUR (MAJOR)
0.5m INTERVALS |
|  | - FINISHED PAVEMENT CONTOUR (MINOR)
0.1m INTERVALS |
|  | - EXISTING SURFACE CONTOUR |



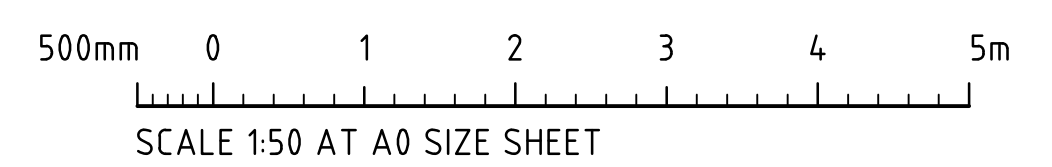
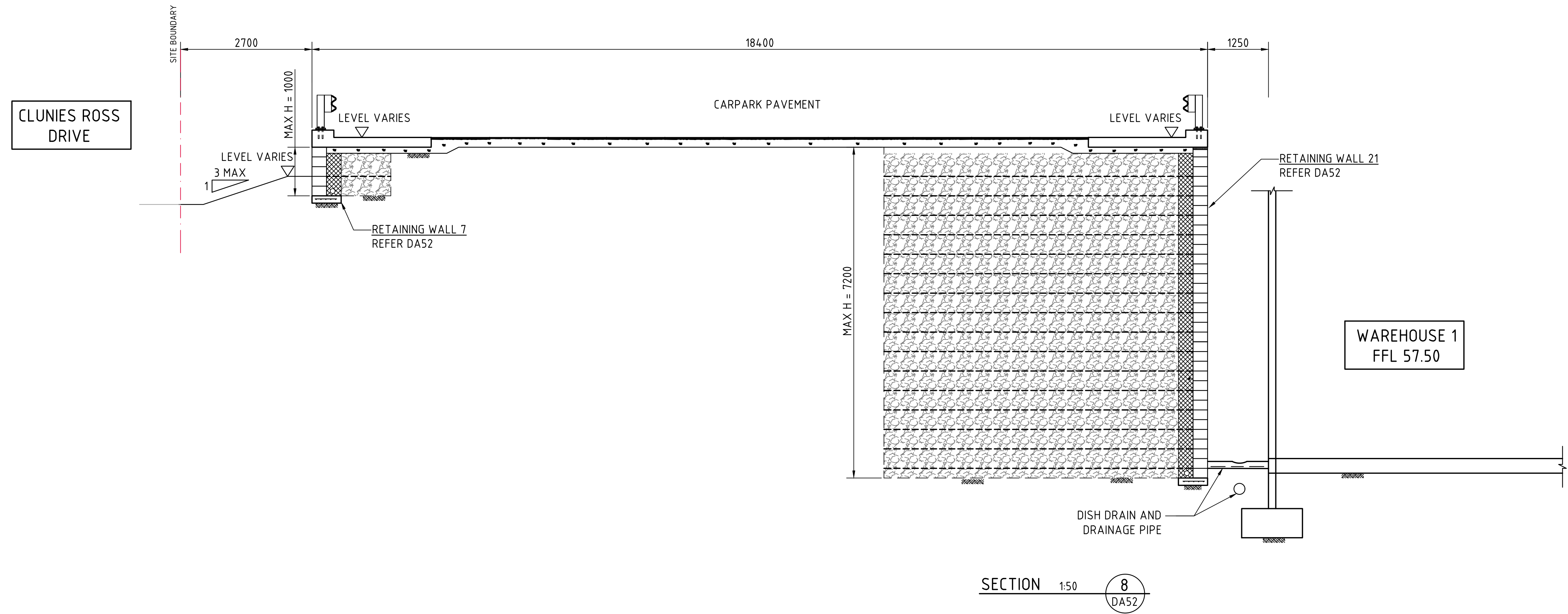
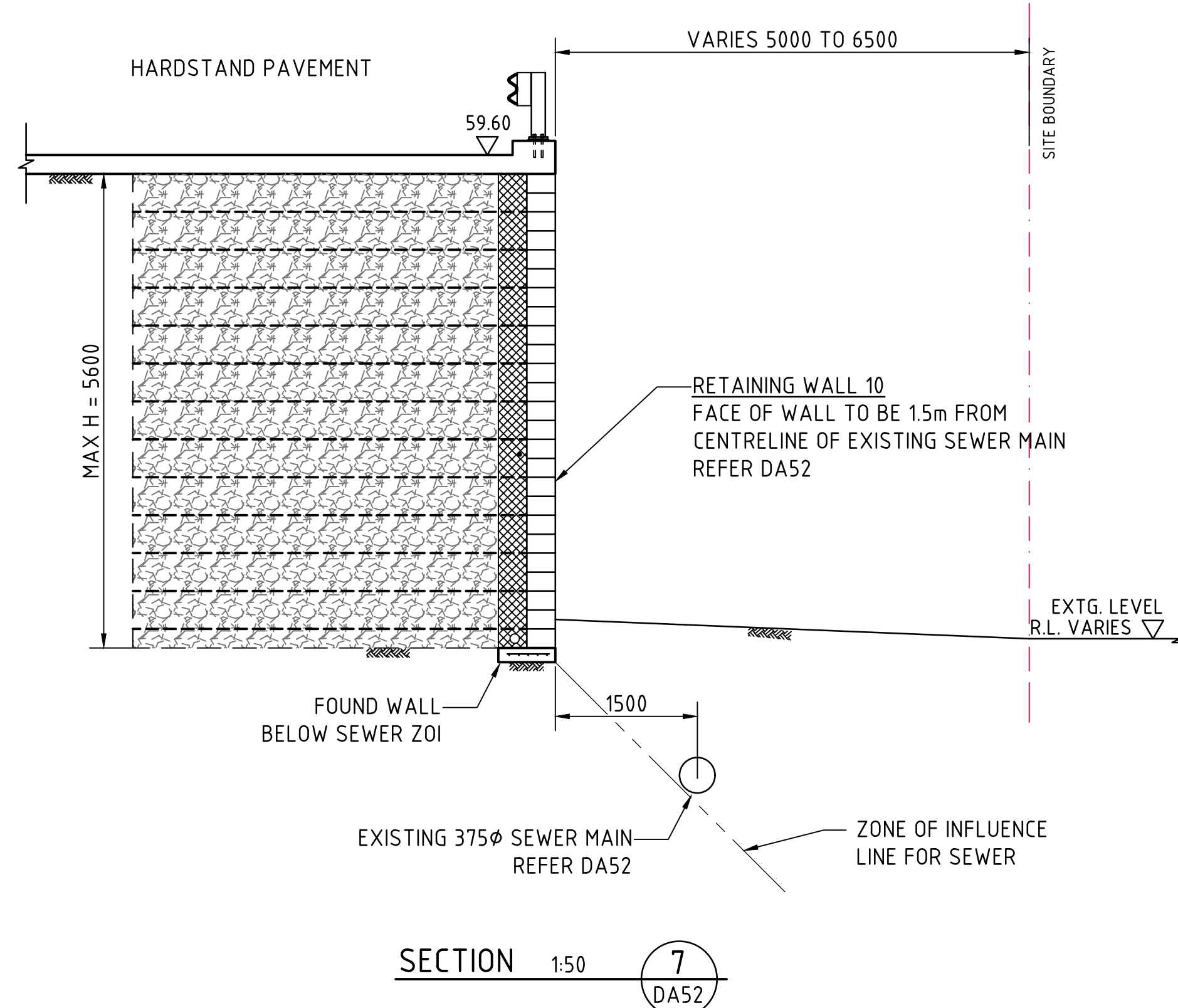
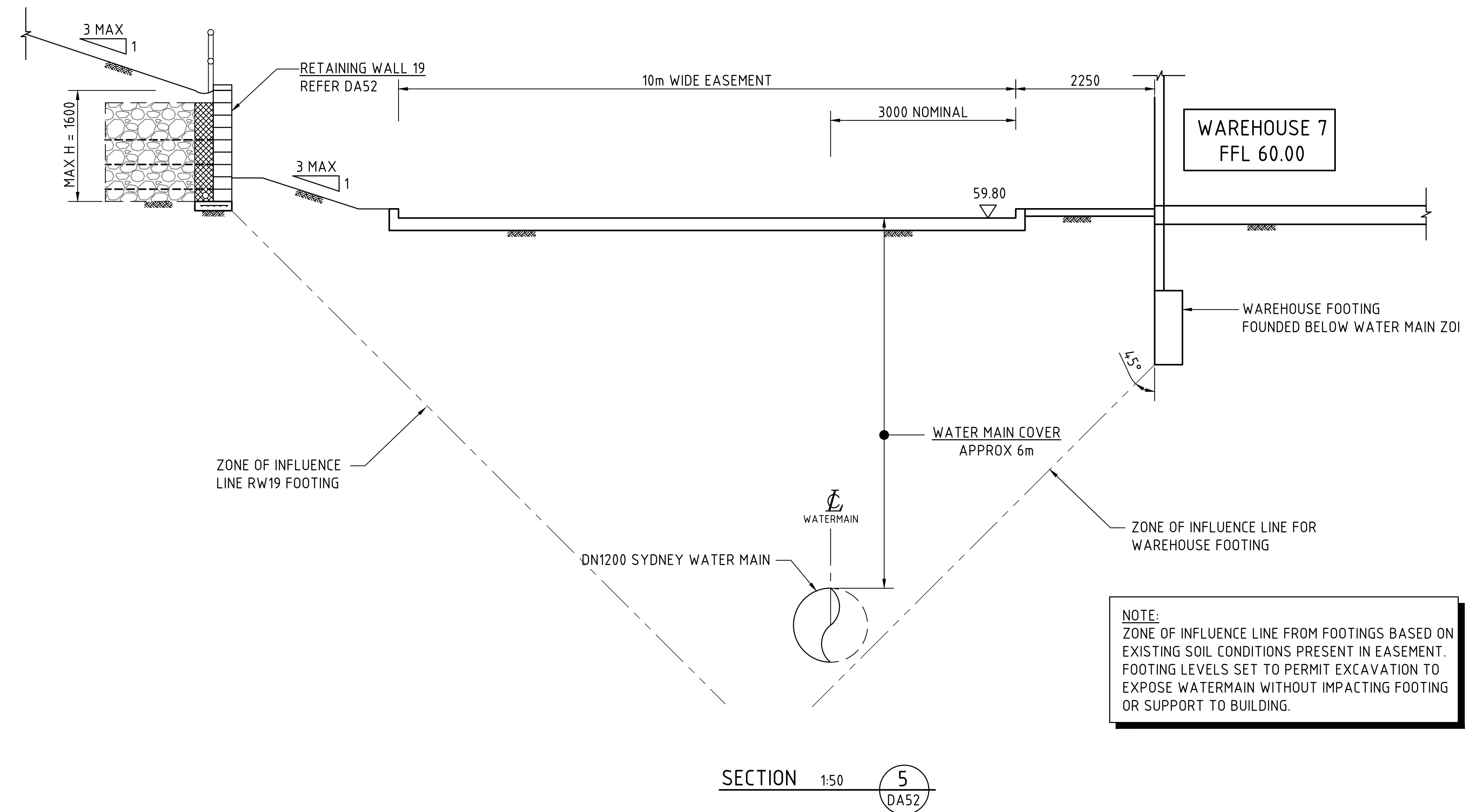
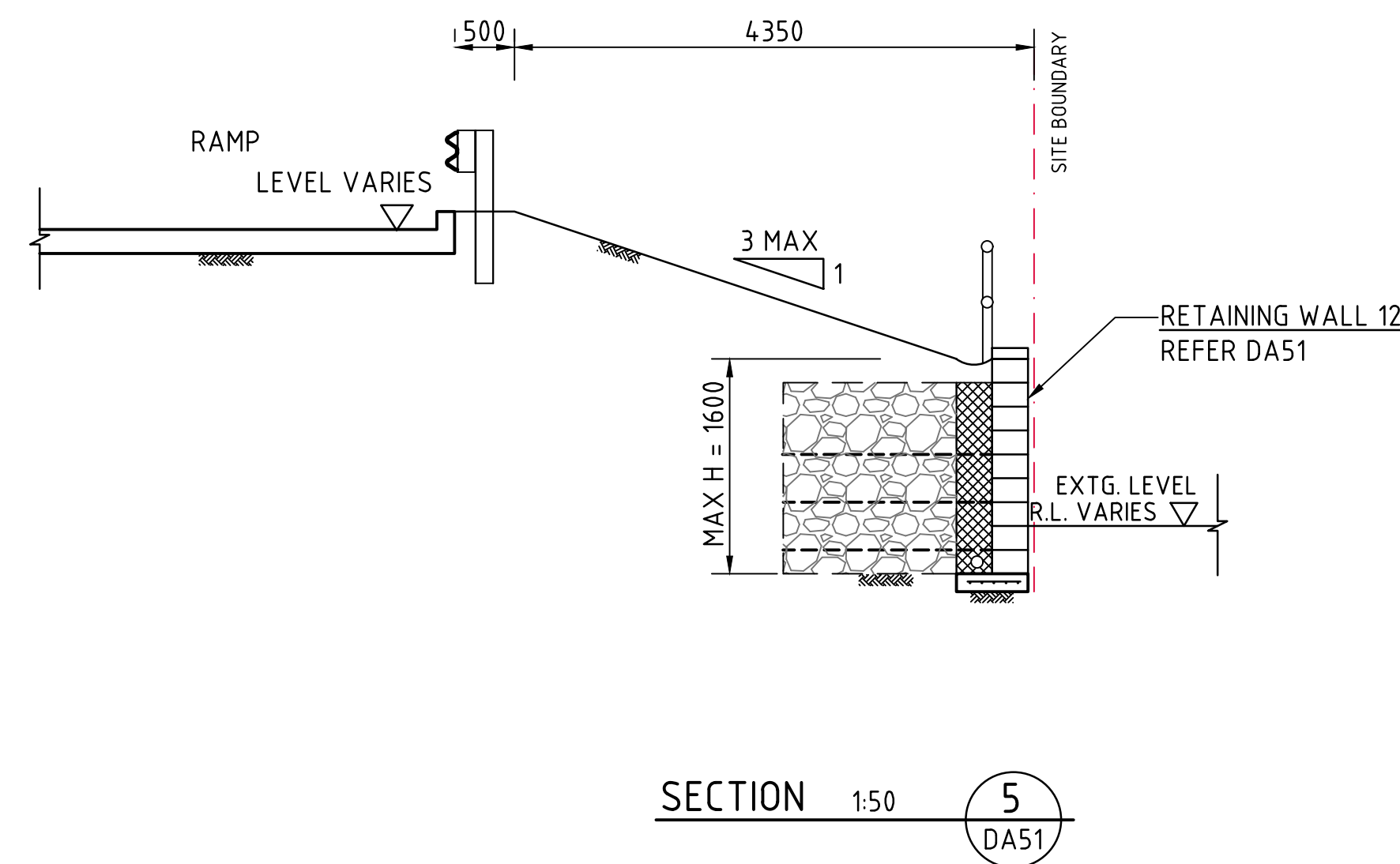
FOR DEVELOPMENT APPLICATION

																							
ISSUED FOR DEVELOPMENT APPLICATION			03.06.20			C			STATE SIGNIFICANT DEVELOPMENT APPLICATION			Level 1, 8 Windmill Street			Costin Roe Consulting Pty Ltd.			DRAWING TITLE					
ISSUED FOR INFORMATION			22.04.20			B			44 CLUNES ROSS STREET, GREYSTANES			Kahla Bay, Sydney NSW 2000			Consulting Engineers			FINISHED LEVELS PLAN - SHEET 1					
ISSUED FOR INFORMATION			13.03.20			A						Tel: (02) 9251-7699 Fax: (02) 9241-3731			Costin Roe Consulting								
AMENDMENTS			DATE			ISSUE			AMENDMENTS			DATE			ISSUE			PRECISION COMMUNICATION ACCOUNTABILITY			DRAWING NO		
																		C013251-06-A51			ISSUE		



FOR DEVELOPMENT APPLICATION

				ARCHITECT		CLIENT		PROJECT		CONSULTING ENGINEERS		DRAWING TITLE	
				SB ARCHITECTS		Aliro		STATE SIGNIFICANT DEVELOPMENT APPLICATION		Costin Roe Consulting Engineers		TYPICAL SECTIONS SHEET 1	
ISSUED FOR DEVELOPMENT APPLICATION				13.03.20		MAR '20		44 CLUNIES ROSS STREET, GREYSTANES		Level 1, 8 Windmill Street, Walsh Bay, Sydney NSW 2000		PRECISION COMMUNICATION ACCOUNTABILITY	
ISSUED FOR INFORMATION				13.03.20		MAR '20		44 CLUNIES ROSS STREET, GREYSTANES		Tel: (02) 9251-7899 Fax: (02) 9241-3721		DRAWING No. C013251.06-DA55	
AMENDMENTS				DATE		DATE		44 CLUNIES ROSS STREET, GREYSTANES		email: mail@costinroe.com.au		ISSUE B	



FOR DEVELOPMENT APPLICATION

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ISSUED FOR DEVELOPMENT APPLICATION 03.06.20 B																																																	
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