

OAKDALE SOUTH ESTATE

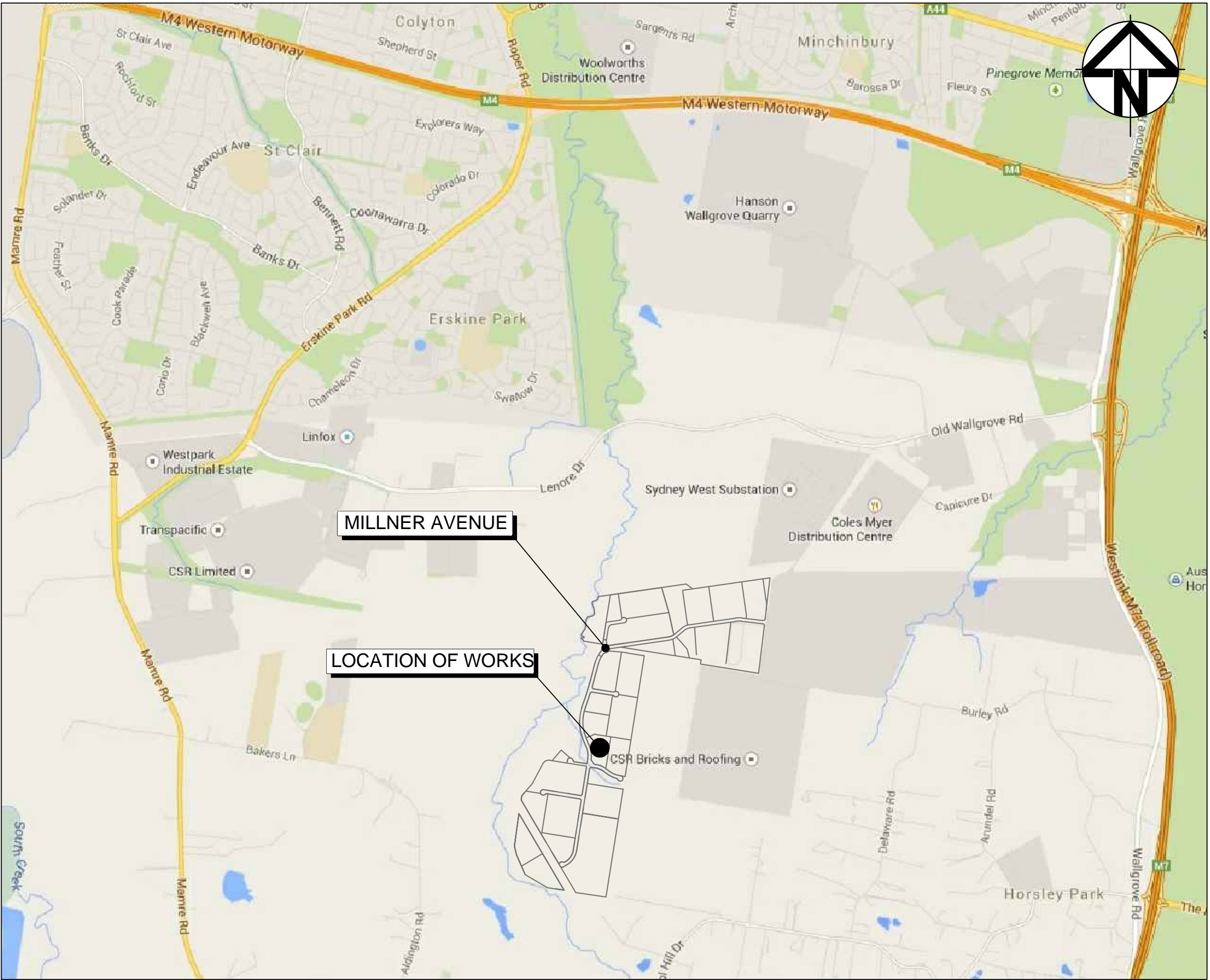
LOT 2A

CIVIL WORKS PACKAGE

DEVELOPMENT APPLICATION

DRAWING LIST

DWG NO.	DRAWING TITLE
20-781-C100	COVER SHEET AND LOCALITY PLAN
20-781-C101	GENERAL NOTES
20-781-C105	GENERAL ARRANGEMENT PLAN
20-781-C106	TYPICAL SECTIONS
20-781-C110	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 1
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20-781-C120	SITWORKS DETAILS
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20-781-C130	BULK EARTHWORKS CUT/FILL PLAN
20-781-C135	PAVEMENT PLAN
20-781-C140	EROSION AND SEDIMENT CONTROL PLAN
20-781-C145	EROSION AND SEDIMENT CONTROL DETAILS



LOCALITY PLAN
NTS

Bar Scales

A	ISSUED FOR DA APPROVAL	02-09-20
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Issue	Description	Date
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Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

File Name	20-781-C100.dwg
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	Drawn	TK
	Designed	SM

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Grid	MGA	Approved	FX

Client	
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Project	INDUSTRIAL DEVELOPMENT OAKDALE SOUTH LOT 2A
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Title	COVER SHEET AND LOCALITY PLAN
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KERBING NOTES

- ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa. U.N.O IN REINFORCED CONCRETE NOTES.
- ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
- EXPANSION JOINTS (E.J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
- WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
- BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
- IN THE REPLACEMENT OF KERB AND GUTTER - EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O FROM THE UP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 600mm WIDE U.N.O. EXISTING ALLOTMENT DRAINAGE PIPES ARE TO BE BUILT INTO THE NEW KERB AND GUTTER WITH 100mm DIA HOLE. EXISTING KERB AND GUTTER IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTER IS SHOWN.

OVERALL SITEWORKS LEGEND - COMBINED

EXISTING

EXISTING BOUNDARY
EXISTING CONTOUR

PROPOSED SITEWORKS

PROPOSED BOUNDARY

BATTER

PROPOSED SURFACE LEVE
PROPOSED MAJOR CONTOUR (0.5m INTERVAL)
PROPOSED MINOR CONTOUR (0.25m INTERVAL)

K&G
KERB AND GUTTER (REFER PCC DWG. SD1003/1)

KO
KERB ONLY (REFER PCC DWG. SD1003/2)

I KO
INTEGRAL KERB

DD
DISH DRAIN (REFER PCC DWG. SD1003/2)

VC
VEHICLE CROSSOVER (REFER PCC DWG. SD1004)

PR
PRAM RAMP (REFER PCC DWG. SD1002)

S
SEWER MAIN (BY OTHERS)

375φ
STORMWATER PIPE WITH SIZE

KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)

SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O.)

JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O.)

DOWNPIPES & PIPEWORK. (T.B.C. BY HYDRAULIC ENGINEERS)

SUB-SOIL DRAINAGE AND FLUSH POINT

PROPOSED STORMWATER PIT NUMBER

GD (GRATED DRAIN) RETAINING WALL

RETAINING WALL

EXISTING SERVICES LEGEND

EXISTING ELECTRICAL
EXISTING LIGHTPOLES
EXISTING WATER
EXISTING SEWER
EXISTING SEWER MANHOLE
EXISTING TELECOM
EXISTING STORMWATER LINE
EXISTING STORMWATER PIT

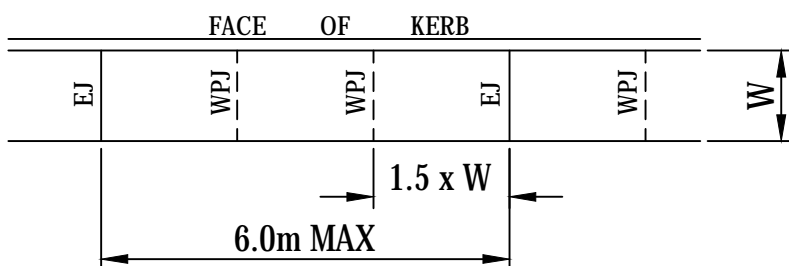
SITEWORKS NOTES

- ORIGIN OF LEVELS:- REFER SURVEY NOTES.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
- MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
- ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
- ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1(2017). (OR A DENSITY INDEX OF NOT LESS THAN 75)
- PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
- ASPHALTIC CONCRETE SHALL CONFORM TO RMS. SPECIFICATION R116.
- ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051 (UNBOUND), RMS. FORM ACCORDANCE WITH AS 1289 5.2.1(2017) FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m OF BASECOURSE MATERIAL PLACED.
- ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051, 3051.1 AND COMPACTED FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m OF SUB-BASE COURSE MATERIAL PLACED.
- AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH RMS. FORM 3051 AND 3051.1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
- SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
- WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS. 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1(2017)

JOINTING NOTES

PEDESTRIAN PAVEMENT JOINTS

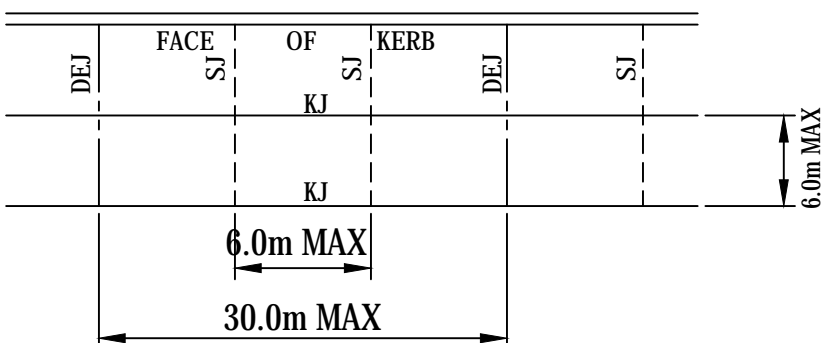
- ALL PEDESTRIAN PAVEMENTS ARE TO BE JOINTED AS FOLLOWS. (U.N.O)
- EXPANSION JOINTS ARE TO BE LOCATED WHERE POSSIBLE AT TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX. 6.0m CENTRES.
- WEAKENED PLANE JOINTS ARE TO BE LOCATED AT A MAX. SPACING OF 1.5 x WIDTH OF THE PAVEMENT.
- WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND OR ADJACENT PAVEMENT JOINTS.
- PEDESTRIAN PAVEMENT JOINT DETAIL.



NB: CHECK RELEVANT COUNCIL REQUIREMENTS IF IN PUBLIC ROAD.

VEHICULAR PAVEMENT JOINTS

- ALL VEHICULAR PAVEMENTS TO BE JOINTED AS FOLLOWS. (U.N.O)
- ALL VEHICULAR PAVEMENTS TO BE JOINTED AS SHOWN ON DRAWINGS.
- KEYED CONSTRUCTION JOINTS SHOULD GENERALLY BE LOCATED AT A MAX OF 6.0m CENTRES
- SAWN JOINTS SHOULD GENERALLY BE LOCATED AT A MAX OF 6.0m CENTRES WITH DOWELED EXPANSION JOINTS AT MAX 30.0m CENTRES
- VEHICULAR PAVEMENT JOINT DETAIL.



STORMWATER DRAINAGE NOTES

- STORMWATER DESIGN CRITERIA:
A) AVERAGE RECURRENT INTERVAL:
1:100 YEARS ROOFED AREAS TO SURCHARGE PIT
1:?? YEARS EXTERNAL PAVEMENTS
(B) RAINFALL INTENSITIES:
TIME OF CONCENTRATION: MINUTES 5
1:100 YEARS= ?? mm/hr
1:?? YEARS= ?? mm/hr
(C) RUNOFF COEFFICIENTS:
ROOF AREAS: C =1.0 100
EXTERNAL PAVEMENTS: C =1.0 ??
- PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS 2' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
- PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.
- EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED.
- ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE. GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
- PIPES TO BE INSTALLED TO TYPE HS3 (ROAD) HS2 (LOTS) SUPPORT IN ACCORDANCE WITH AS 3725 (2007) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
- ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (2006) AND AS/NZS 3500 3.2 (2010).
- PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY AT & L.
- ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
- WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
- CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
- GRATES AND COVERS SHALL CONFORM TO AS 3996.
- ALL INTERNAL PIT DIMENSIONS TO CONFORM TO AS3500.3 TABLE 7.5.2.1
- AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
- ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.

BULK EARTHWORKS NOTES

- ORIGIN OF LEVELS: REFER SURVEY NOTES
- STRIP ALL TOPSOIL/ORGANIC MATERIAL FROM CONSTRUCTION AREA AND REMOVE FROM SITE OR STOCK PILE AS DIRECTED BY SUPERINTENDENT.
- EXCAVATED MATERIAL TO BE USED AS STRUCTURAL FILL PROVIDED THE PLACEMENT MOISTURE CONTENT OF THE MATERIAL IS +/- 2% OF THE OPTIMUM MOISTURE CONTENT.
- COMPACT FILL AREAS AND SUBGRADE TO NOT LESS THAN:

LOCATION	STANDARD DRY DENSITY (AS 1289 E 5.1.1)
UNDER BUILDING SLABS ON GROUND	98%
UNDER ROADS AND CARPARKS	98%
LANDSCAPED AREAS UNLESS NOTED OTHERWISE	98%

- FOR NON COHESIVE MATERIAL, COMPACT TO 75% DENSITY INDEX.
- BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH AN 8 TONNE (MIN) DEADWEIGHT SMOOTH DRUM VIBRATORY ROLLER TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER).
- FREQUENCY OF COMPACTION TESTING SHALL BE NOT LESS THAN :-
(A) 1 TEST PER 200m² OF FILL PLACED PER 300 LAYER OF FILL.
(B) 3 TESTS PER VISIT
(C) 1 TEST PER 1000m² OF EXPOSED SUBGRADE
TESTING SHALL BE "LEVEL 1" TESTING IN ACCORDANCE WITH AS 3798 (2007).
- FILLING TO BE PLACED AND COMPACTED IN MAXIMUM 150mm LAYERS
- NO FILLING SHALL TAKE PLACE TO EXPOSE SUBGRADE UNTIL THE AREA HAS BEEN PROOF ROLLED IN THE PRESENCE OF AT & L AND APPROVAL GIVEN IN WRITING THAT FILLING CAN PROCEED.

CONCRETE NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 (2018) CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- CONCRETE QUALITY ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 F _c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE KERBS, PATHS, AND PITS	32 25	60 80	20 20

- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.
- NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
- CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
- ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
- THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.M.S. SPECIFICATION R83.
- REINFORCEMENT SYMBOLS:
N DENOTES GRADE 450 N BARS TO AS/NZS 4671 GRADE N
R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS/NZS 4671
SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS/NZS 4671

NUMBER OF BARS IN GROUP | BAR GRADE AND TYPE
17 N 20 250
NOMINAL BAR SIZE IN mm | SPACING IN mm

THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS/NZS 4671.

- FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



SURVEY NOTES

THE EXISTING SITE CONDITIONS HAS BEING SURVEY AS PART OF THE WORK AS EXECUTED PLANS PREPARED BY BURTON CONTRACTORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. AT & L DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT AT & L.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

- THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
- ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
 - LOCAL AUTHORITY REQUIREMENT
 - EPA REQUIREMENTS
 - NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
- MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
- WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
- CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

LAND DISTURBANCE

- WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
 - INSTALL A WIND FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
 - INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
 - CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
 - INSTALL SEDIMENT BASIN AS SHOWN ON PLAN.
 - INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
 - UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

EROSION CONTROL

- DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
- FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

- STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
- ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
- WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, IE. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
- TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

- ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
- ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
 - PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE
 - ENSURING THAT NOTHING IS NAILED TO THEM
 - PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS:
 - ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER
 - A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH
 - CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

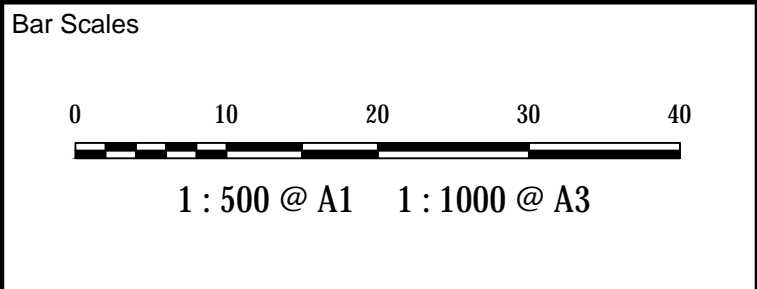
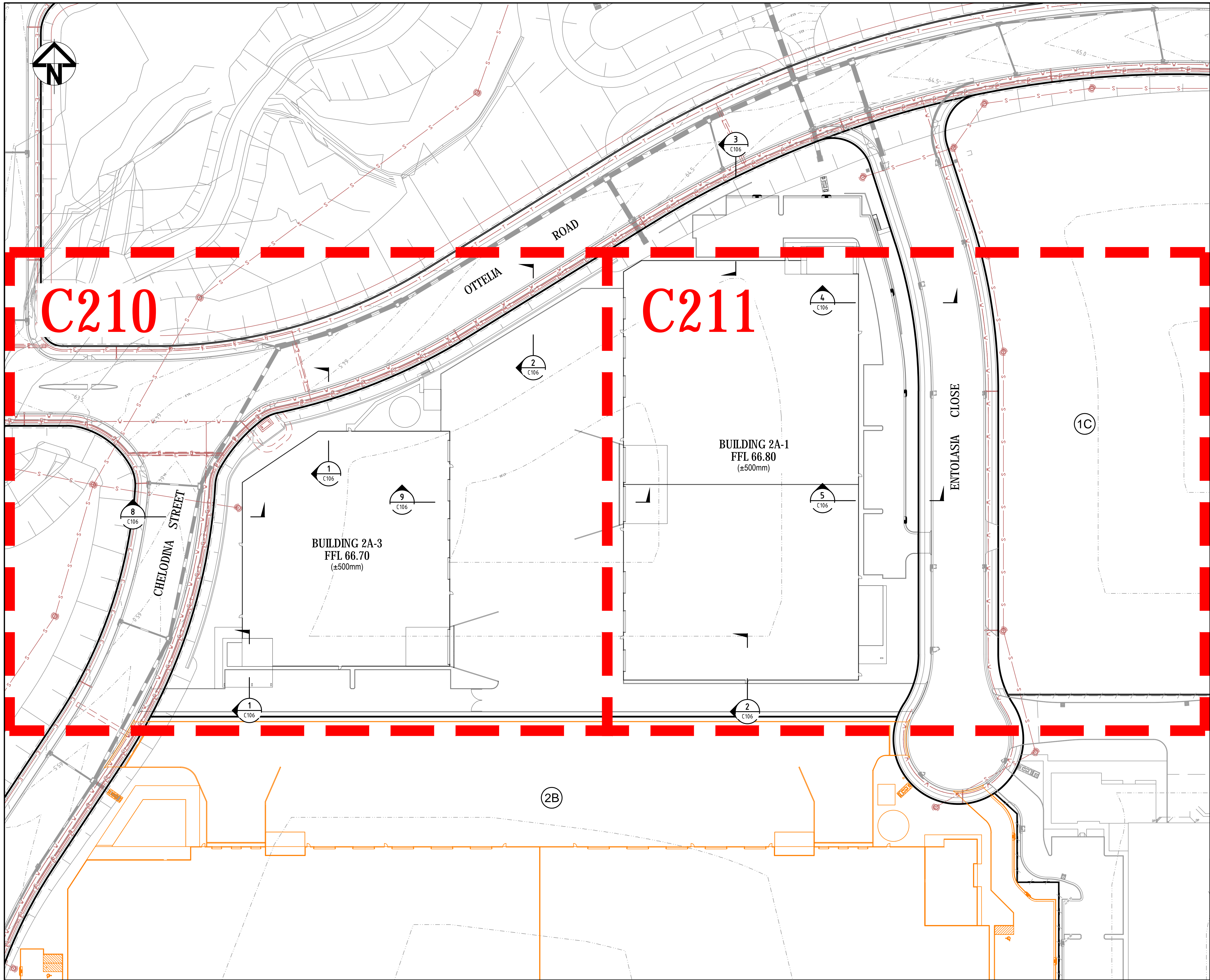
CONTRACTOR SHALL CALL;
DIAL BEFORE
YOU DIG 1100
PRIOR TO COMMENCEMENT OF WORK
TO OBTAIN ALL CURRENT SERVICE
AUTHORITY PLANS



GENERAL NOTES

Drawing No.
20-781-C101

Issue
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A	ISSUED FOR DA APPROVAL	02-09-20
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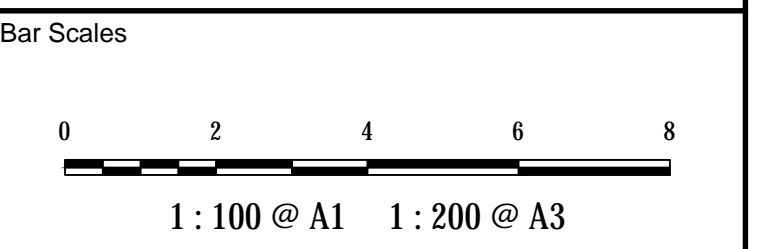
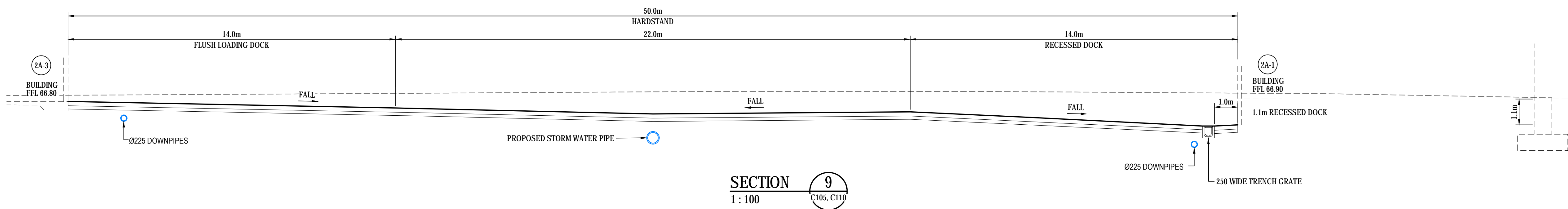
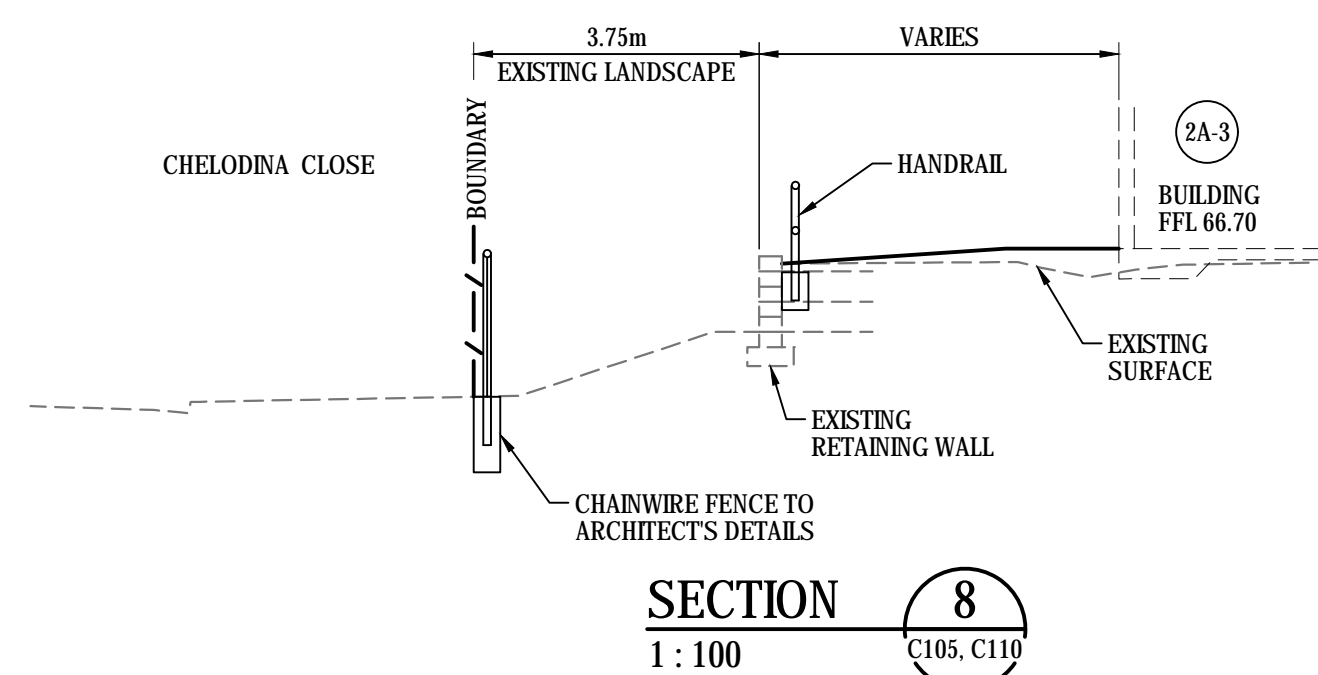
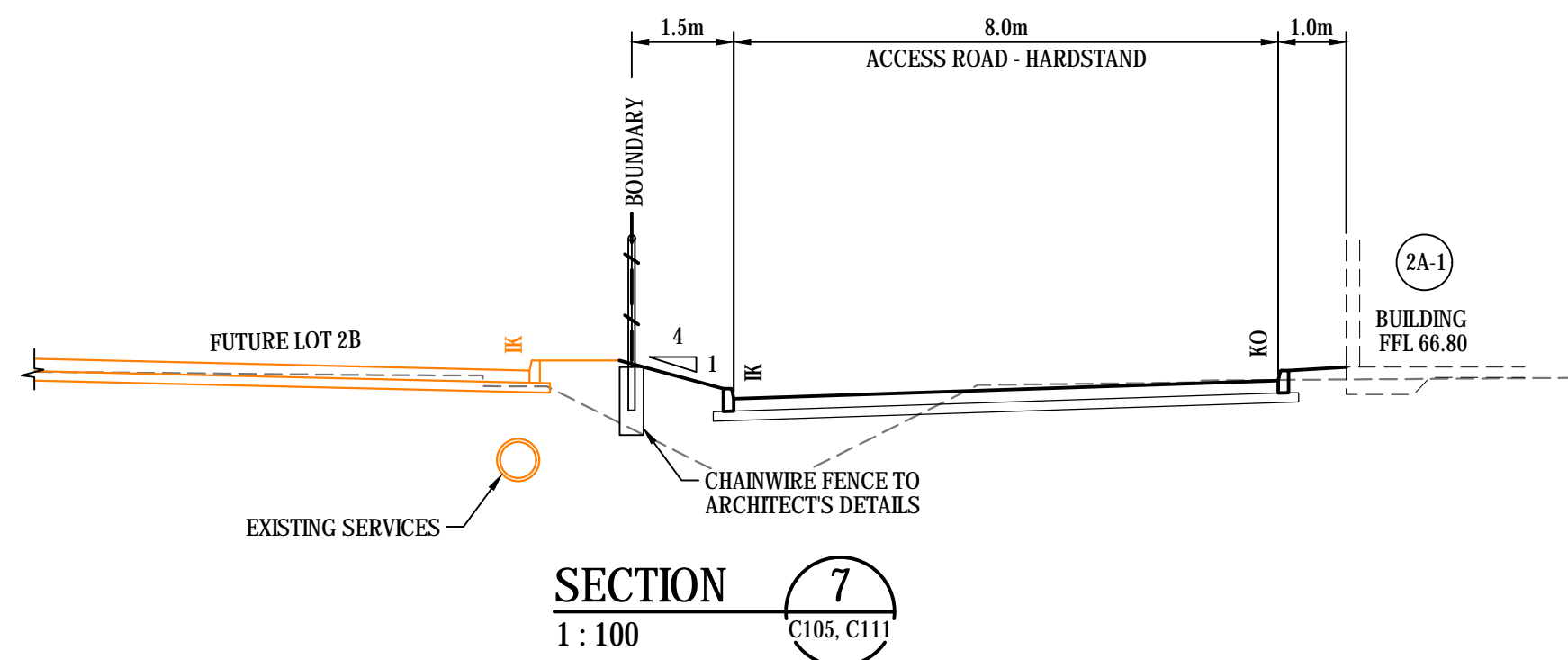
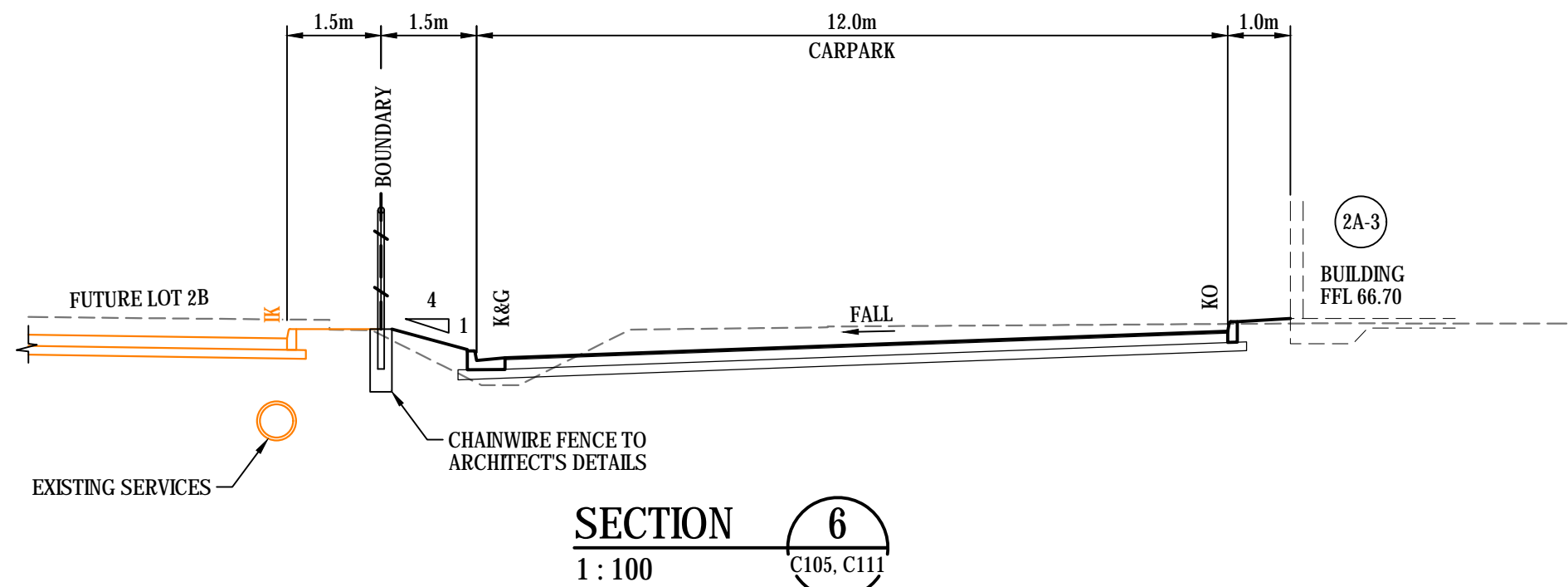
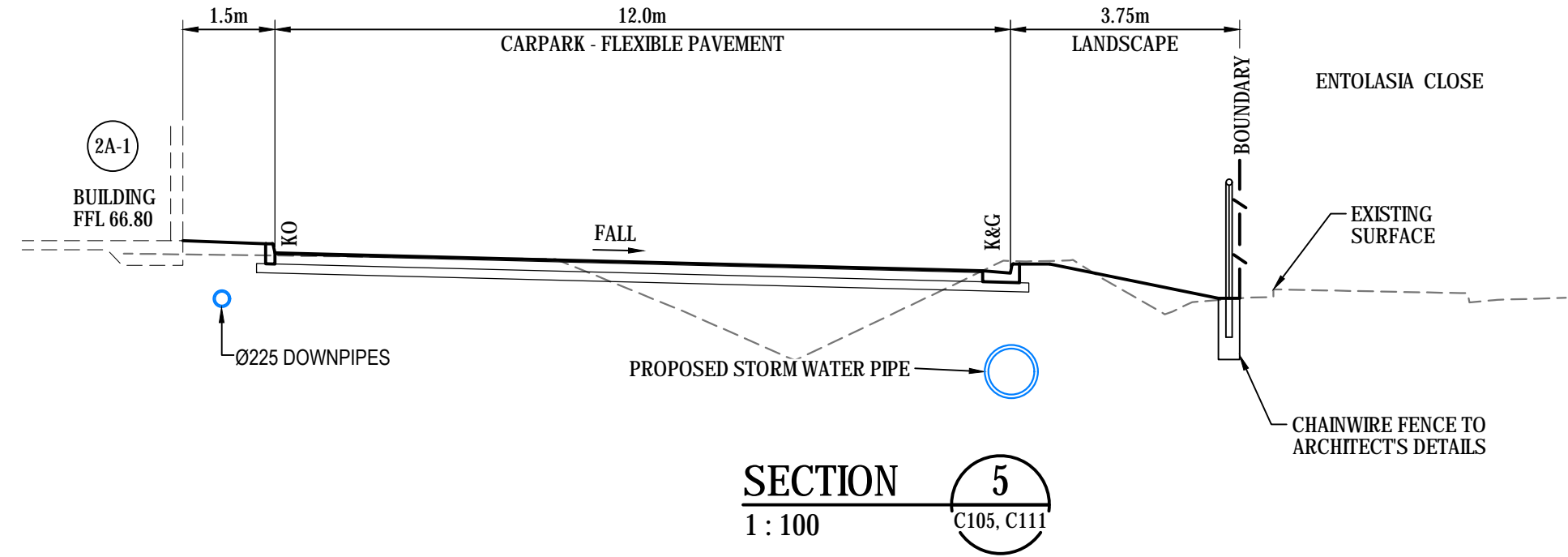
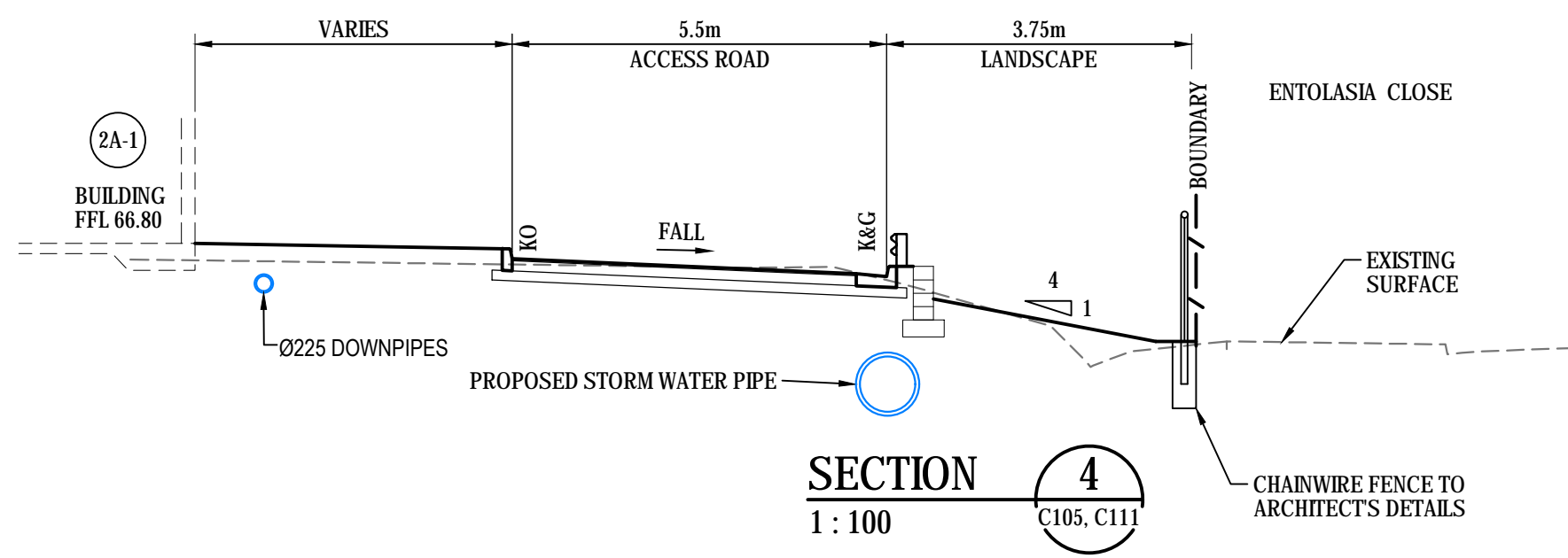
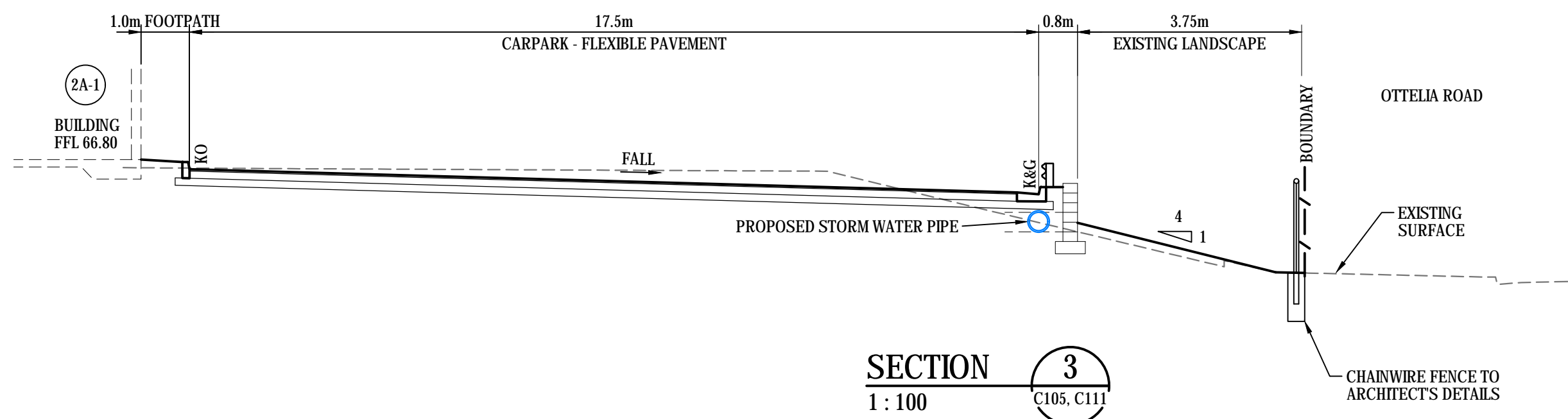
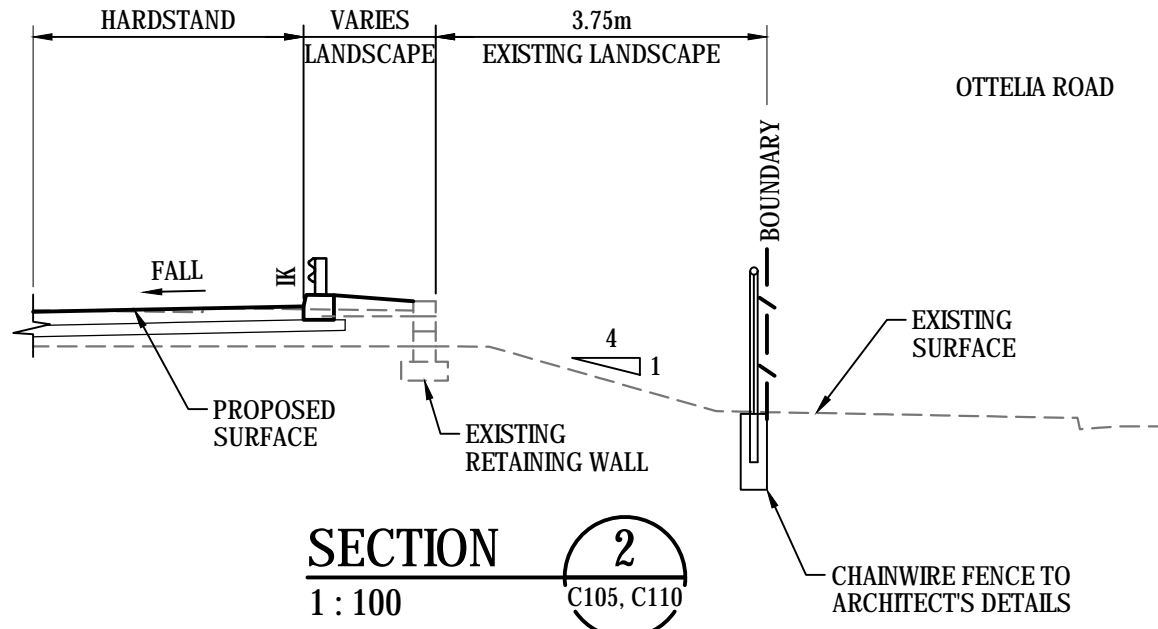
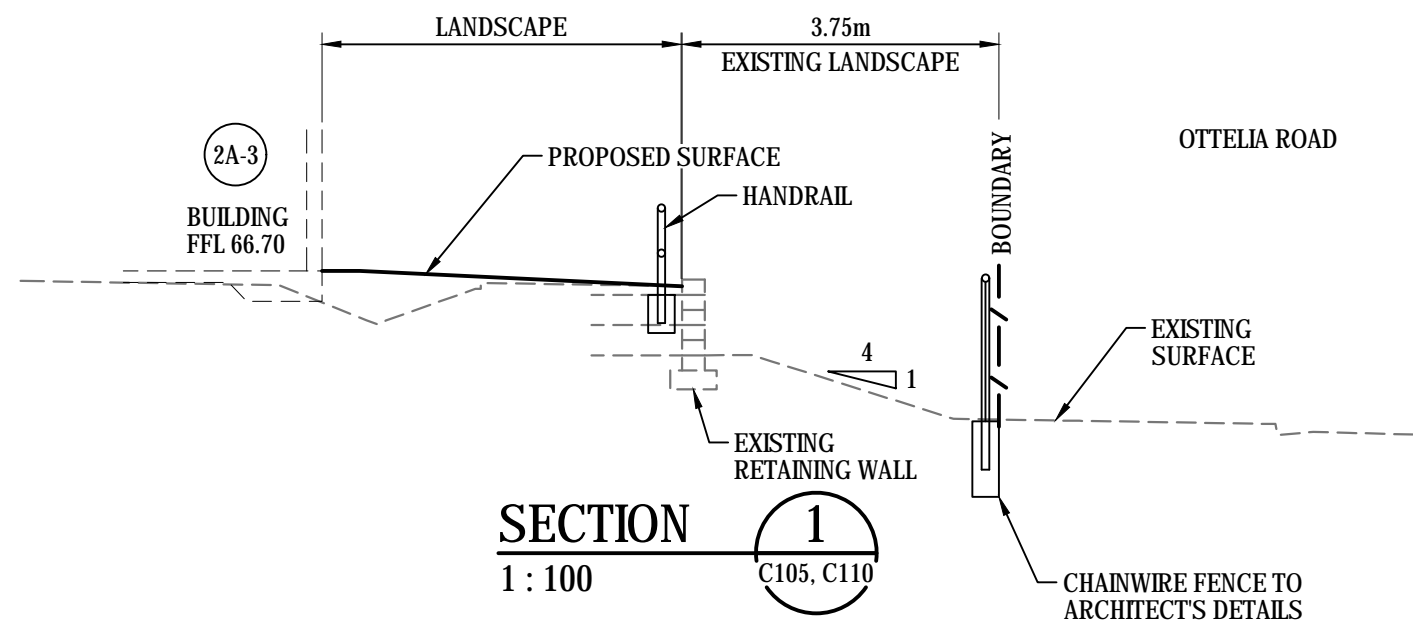
Project

**INDUSTRIAL DEVELOPMENT
OAKDALE SOUTH
LOT 2A**

Title

**GENERAL
ARRANGEMENT PLAN**

Drawing No.	Issue
20-781-C105	A



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Project

**INDUSTRIAL DEVELOPMENT
OAKDALE SOUTH
LOT 2A**

Title

TYPICAL SECTIONS

Drawing No.	Issue
20-781-C106	A



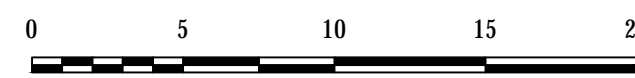
NOTE:
DOWNPIPE CONNECTIONS AND SIZING TO BE
CONFIRMED AT DETAILED DESIGN

NOTE:
DOWNPIPE CONNECTIONS AND SIZING TO BE
CONFIRMED AT DETAILED DESIGN

BUILDING 2A-3
FFL 66.70
(±500mm)

1.1m RECESSED
LOADING DOCK

Bar Scales



1 : 250 @ A1 1 : 500 @ A3

A	ISSUED FOR DA APPROVAL	02-09-20
Issue	Description	Date

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Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
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		Drawn	TK
		Designed	SM
Height Datum	AHD	Checked	FX
Grid	MGA	Approved	FX

Client 

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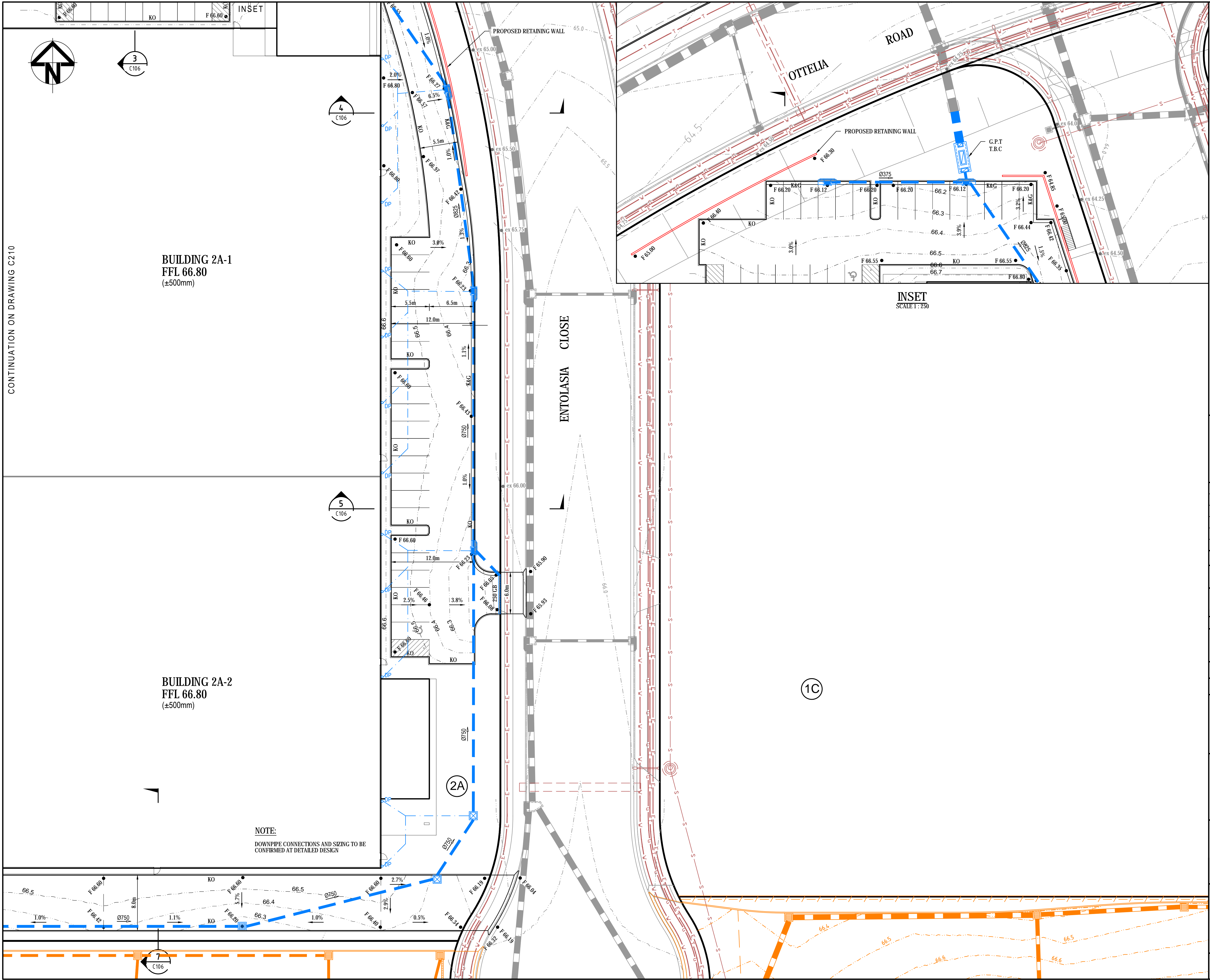
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Project

INDUSTRIAL DEVELOPMENT
OAKDALE SOUTH
LOT 2A

SITEWORKS AND STORMWATER DRAINAGE PLAN - SHEET 1

Drawing No. 20-781-C110	Issue A
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CONTINUATION ON DRAWING C210

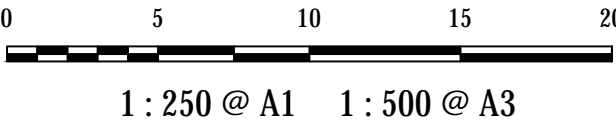
BUILDING 2A-1
FFL 66.80
(±500mm)

BUILDING 2A-2
FFL 66.80
(±500mm)

NOTE:
DOWNPIPE CONNECTIONS AND SIZING TO BE
CONFIRMED AT DETAILED DESIGN

INSET
SCALE 1:250

Bar Scales



A	ISSUED FOR DA APPROVAL	02-09-20
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Issue	Description	Date
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Status	FOR APPROVAL	A1
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NOT TO BE USED FOR CONSTRUCTION

File Name 20-781-C111.dwg

	Drawn	TK
	Designed	SM
Height Datum	AHD	Checked FX
Grid	MGA	Approved FX

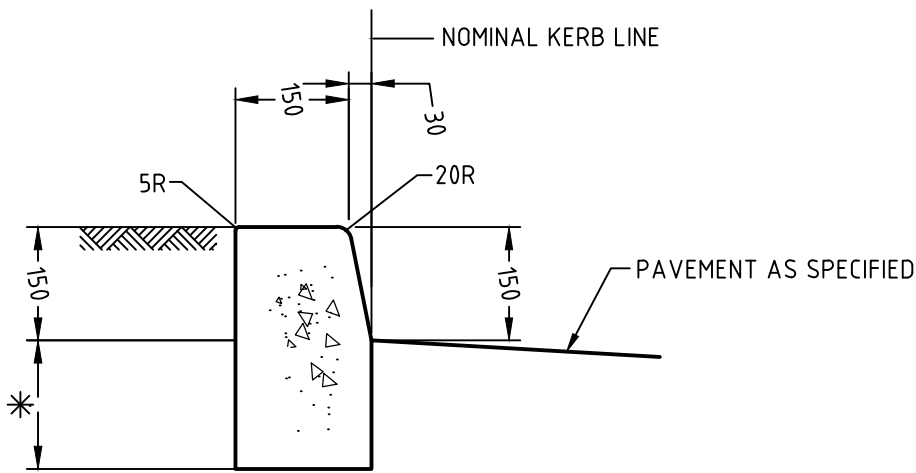


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Project
**INDUSTRIAL DEVELOPMENT
OAKDALE SOUTH
LOT 2A**

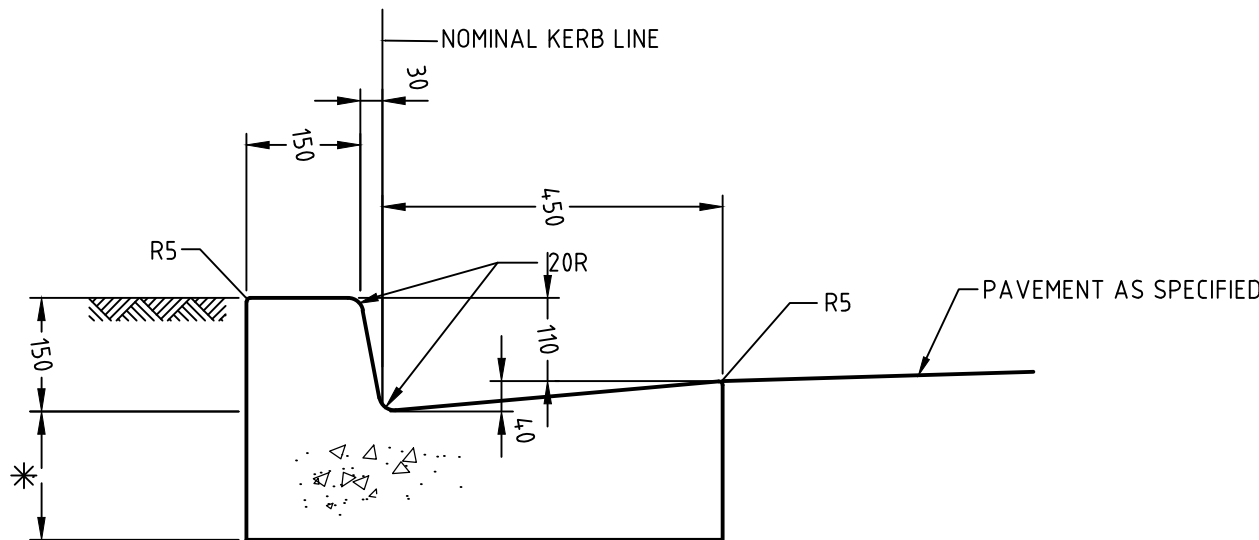
Title
**SITWORKS AND
STORMWATER DRAINAGE
PLAN - SHEET 2**

Drawing No. 20-781-C111	Issue A
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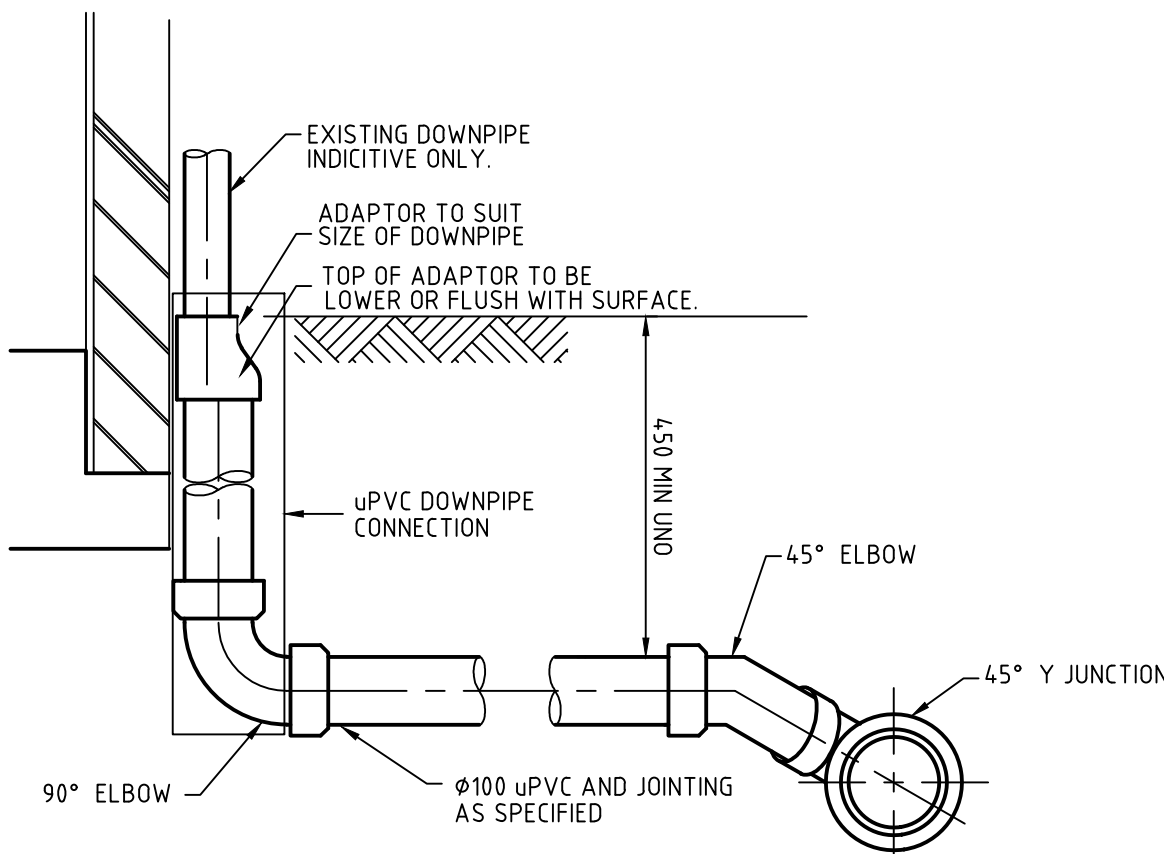
KERB ONLY (KO)
SCALE 1:10

* TO SUIT PAVEMENT DEPTH MIN. 150mm

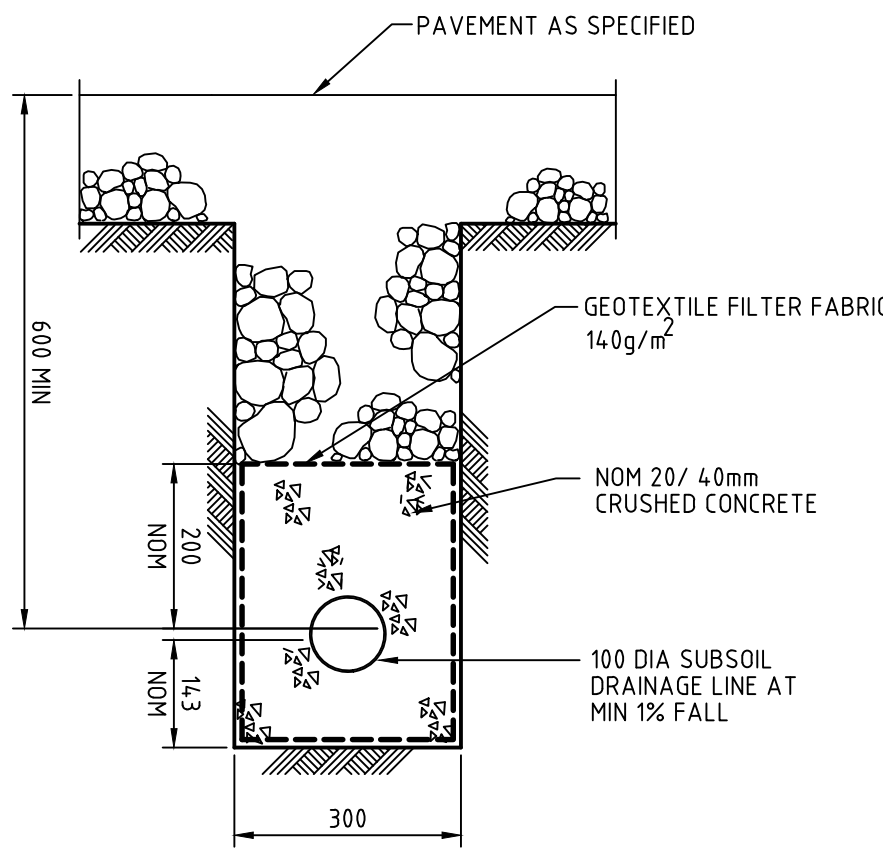


KERB AND GUTTER (K&G)
SCALE 1:10

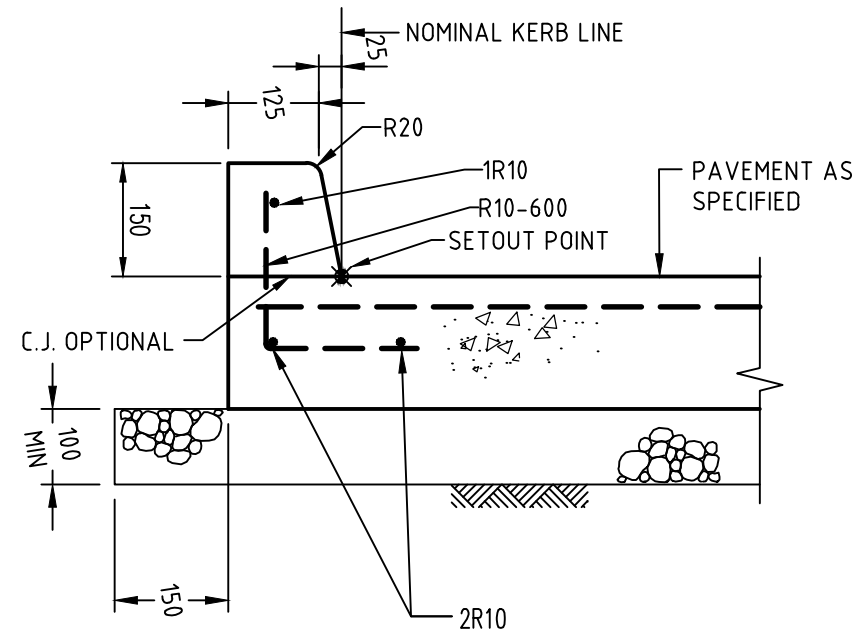
* TO SUIT PAVEMENT DEPTH MIN. 150mm



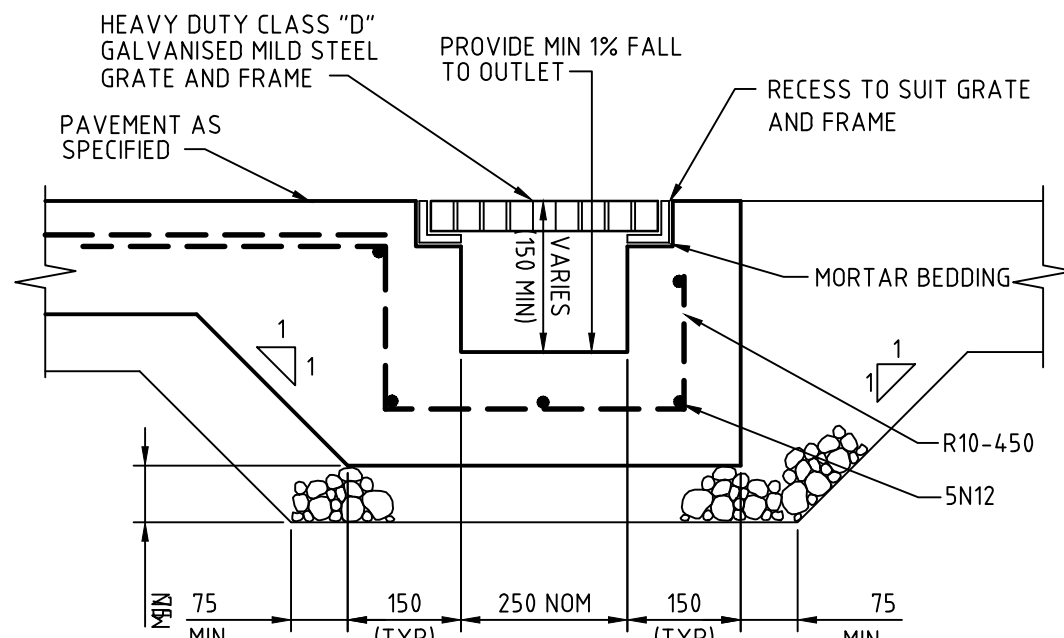
PVC DOWNPIPE CONNECTION
SCALE 1:10



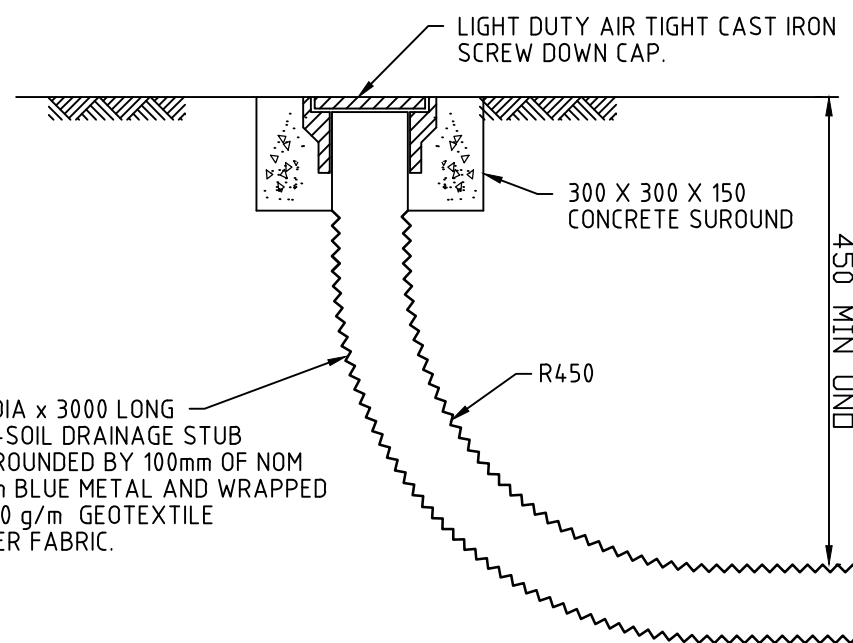
SUBSOIL IN PAVED AREAS
SCALE 1:10



INTEGRAL KERB (IKO)
SCALE 1:10

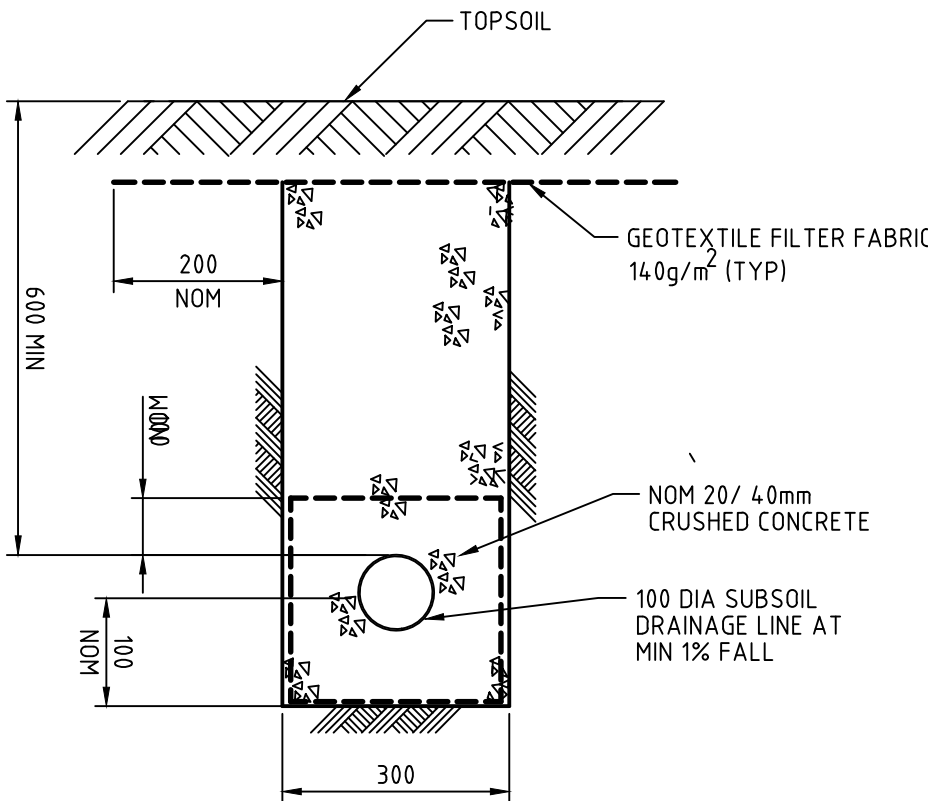


GRATED DRAIN (GD)
SCALE 1:10

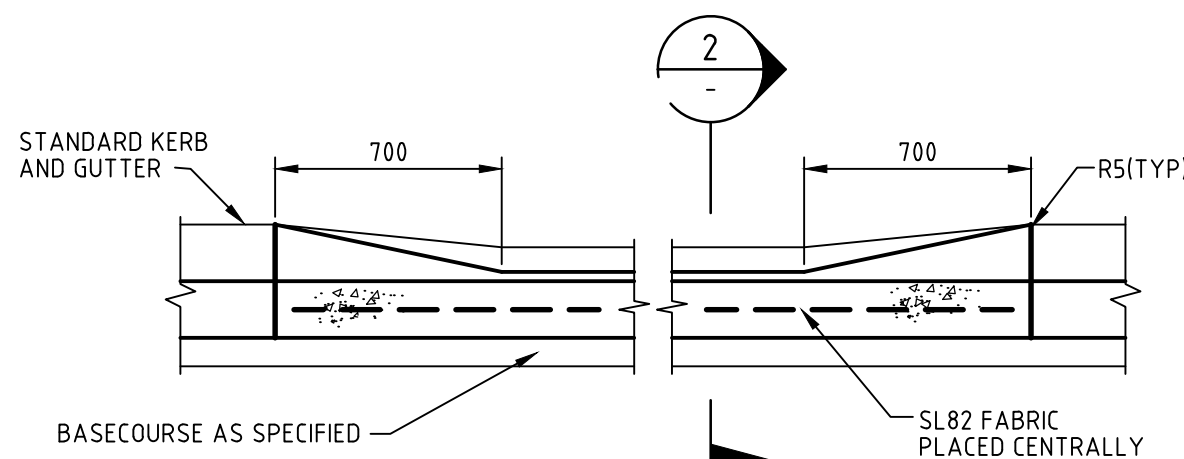


FLUSHING POINT
SCALE 1:10

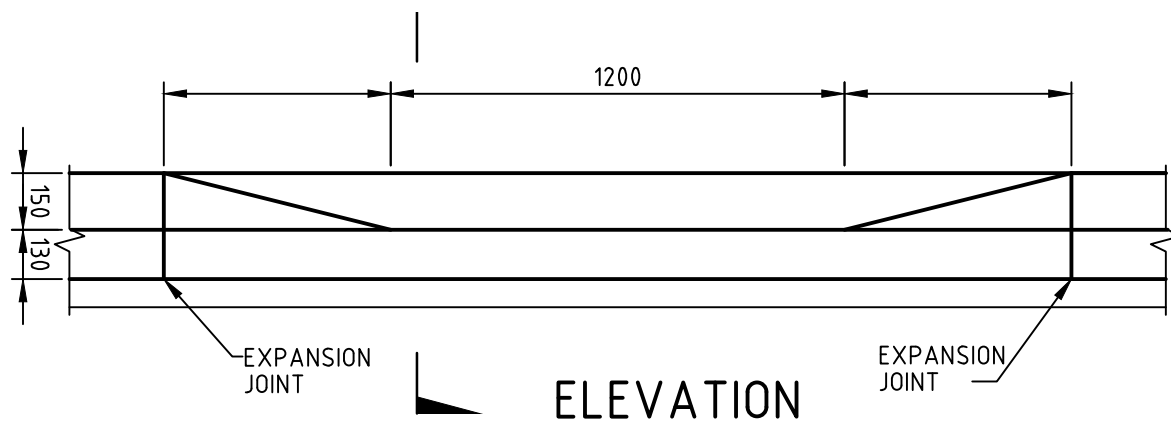
NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



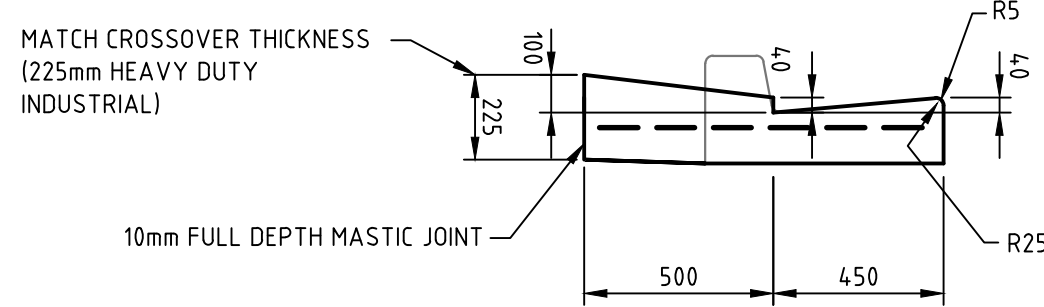
SUBSOIL IN LANDSCAPED AREAS
SCALE 1:10



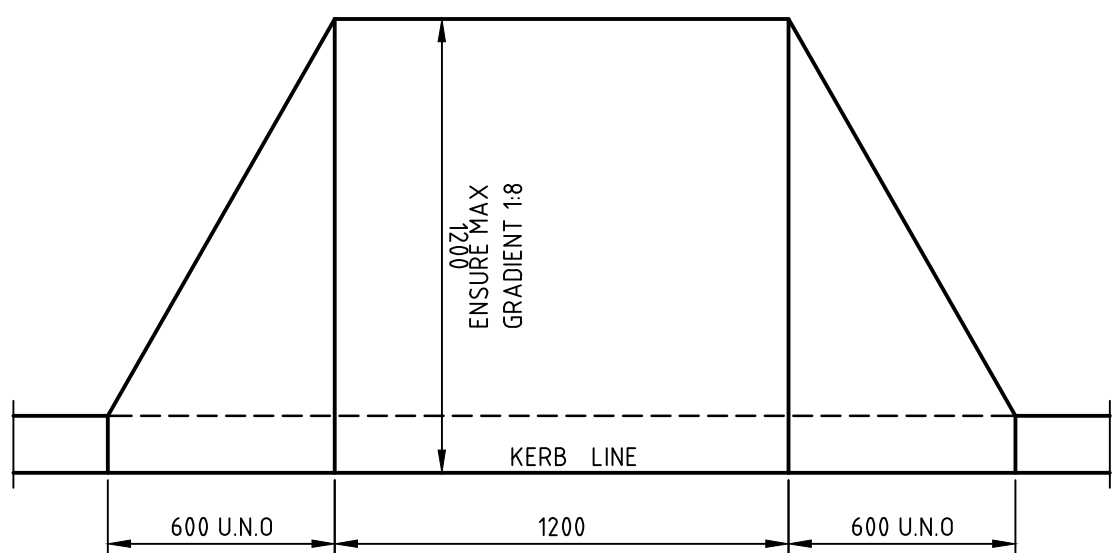
SECTION 1
1: 20



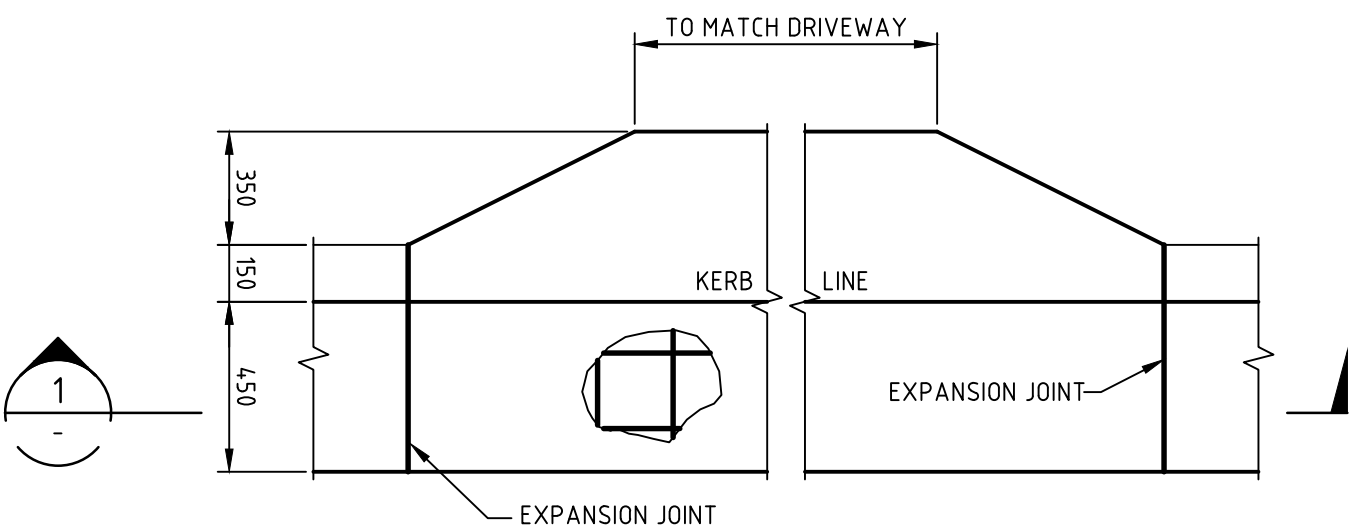
ELEVATION



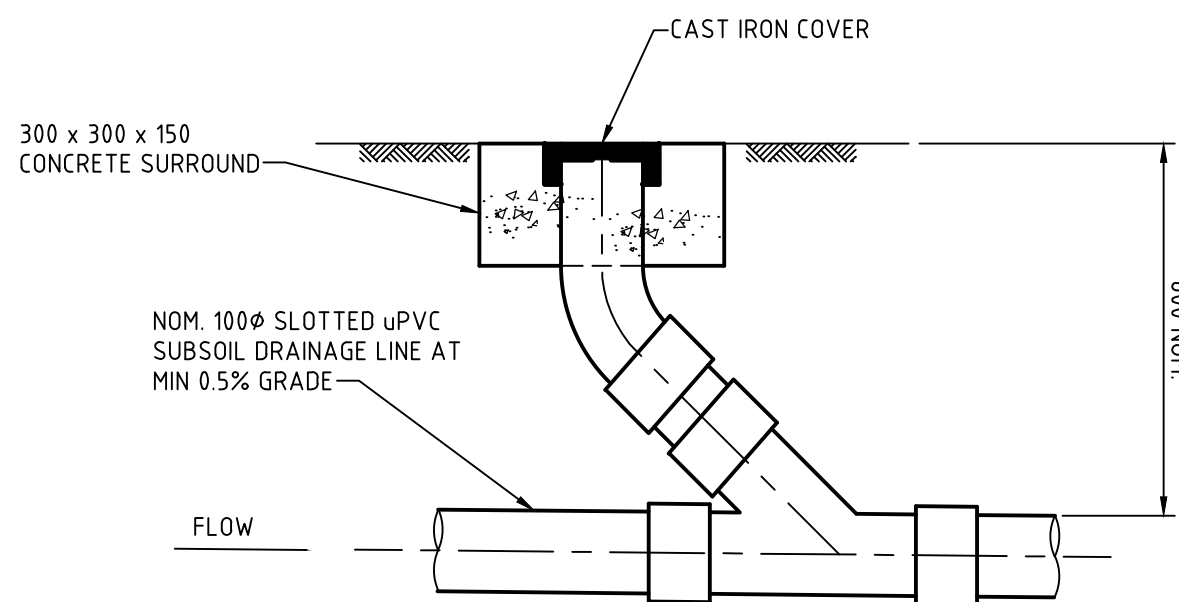
SECTION 2
1: 20



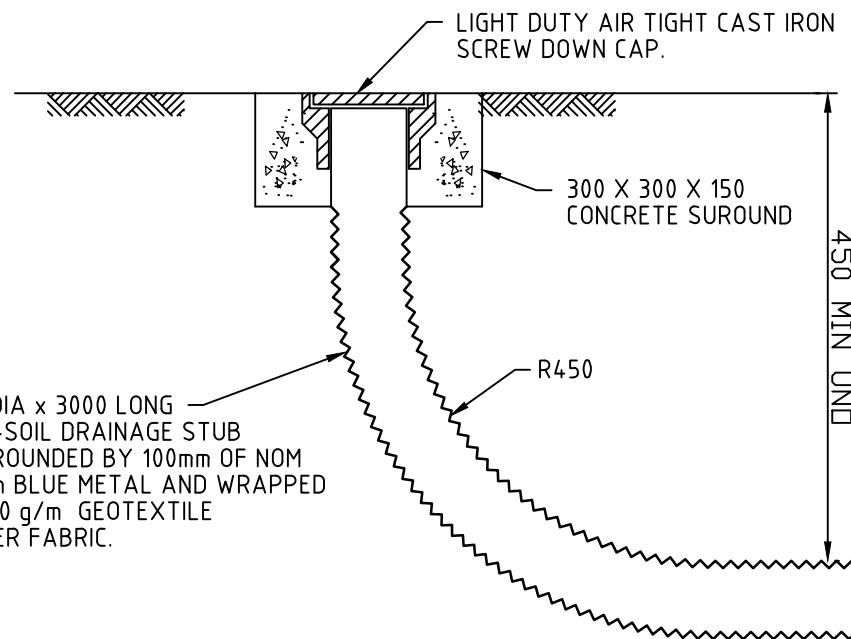
PLAN RAMPED CROSSING
SCALE 1:20



PLAN VEHICULAR CROSSING
SCALE 1:20

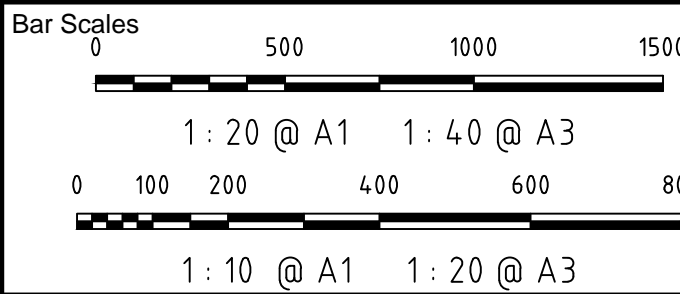


INTERMEDIATE RISER
SCALE 1:10



FLUSHING POINT
SCALE 1:10

NOTE: SLOTTED RIGID PVC PIPE AND FITTINGS MAY BE USED



A	ISSUED FOR DA APPROVAL	02-09-20
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Issue	Description	Date
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Status	FOR APPROVAL	A1
File Name	20-781-C120.dwg	

		Drawn	TK
		Designed	SM
Height Datum	AHD	Checked	FX
Grid	MGA	Approved	FX



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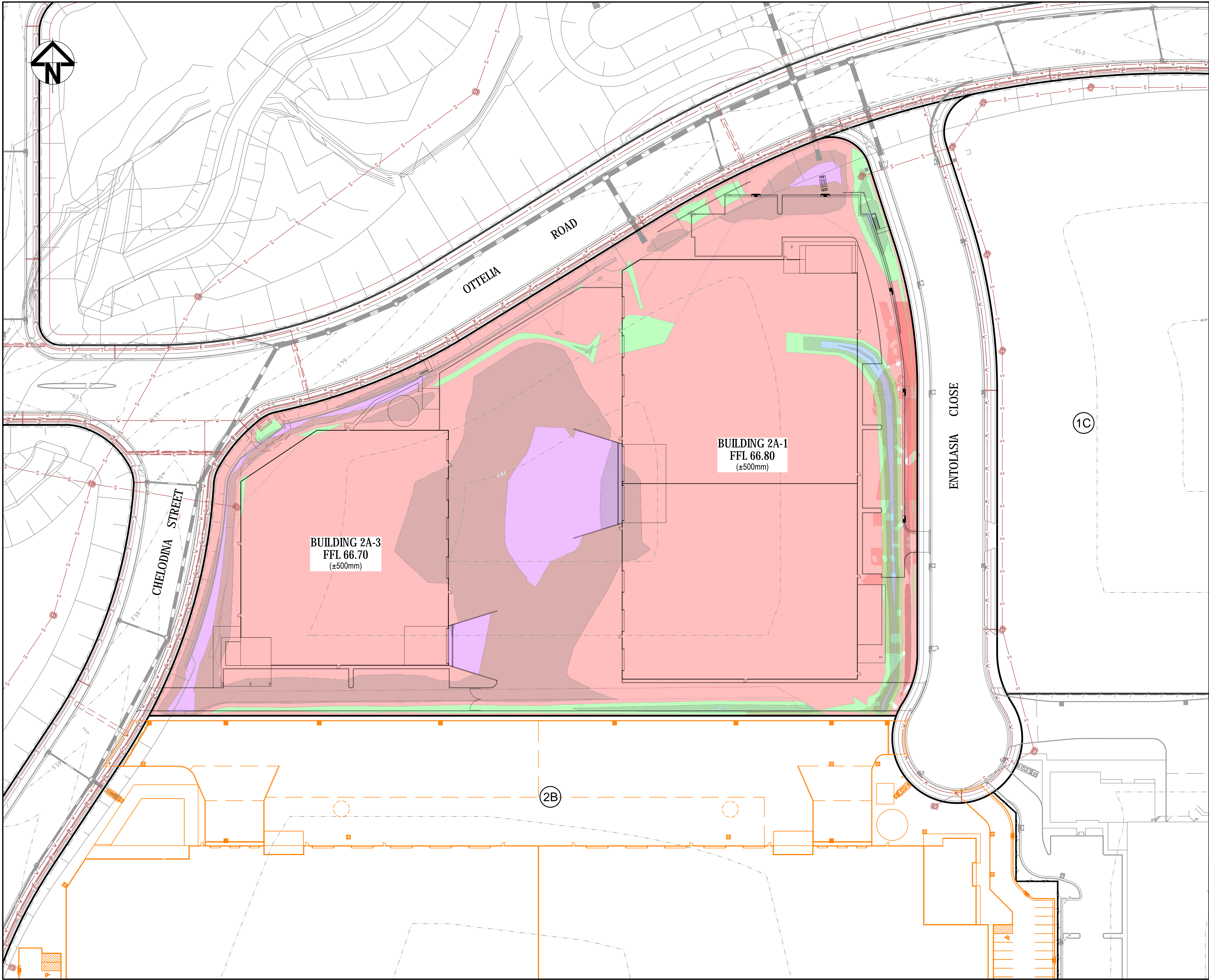
**INDUSTRIAL DEVELOPMENT
OAKDALE SOUTH
LOT 2A**

Title

**SITEWORKS
DETAILS**

Drawing No.	Issue
20-781-C120	A

Date Plotted: 2 Sep 2020 - 03:30PM File Name: F:\20-781 OSE - Precinct 2\6.0 Drqs\Civil\DA-Drawings\100 Series - Lot 2A\20-781-C125.dwg



CUT/FILL DEPTH RANGE LEGEND

Lower_value	Upper_value	Colour
-2.0	to -1.5 m	
-1.5	to -1.0 m	
-1.0	to -0.5 m	
-0.5	to 0.0 m	
0.0	to 0.5 m	
0.5	to 1.0 m	
1.0	to 1.5 m	
1.5	to 2.0 m	
2.0	to 2.5 m	

NOTES

1. ASSUMED NO TOP SOIL STRIPING
2. THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING :-
 - BULKING FACTORS OF REMOVED CUT
 - REMOVAL AND/OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
 - PROPOSED LANDSCAPING
3. ASSUMED 300mm PAVEMENT DEPTH

EARTHWORKS VOLUMES

CUT (m³)	FILL (m³)	BALANCE (m³)
-10,000	+800	-9,200 (EXPORT)

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

A	ISSUED FOR DA APPROVAL	02-09-20
Issue	Description	Date
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Status	FOR APPROVAL	A1
File Name	20-781-C130.dwg	
	Drawn	TK
	Designed	SM
Height Datum	AHD	Checked FX
Grid	MGA	Approved FX

Client

Goodman

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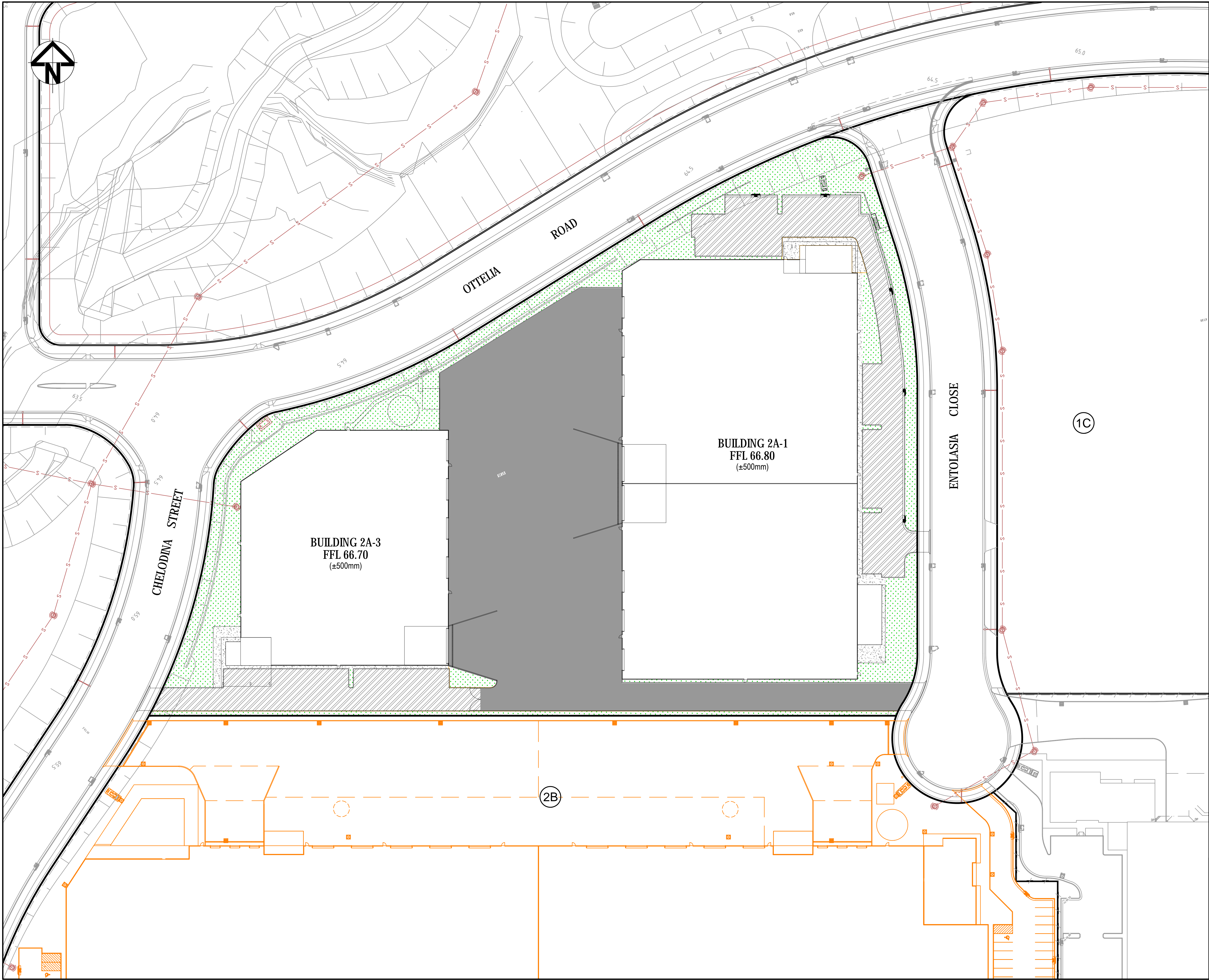
Project

**INDUSTRIAL DEVELOPMENT
OAKDALE SOUTH
LOT 2A**

Title

**BULK EARTHWORKS
CUT/FILL PLAN**

Drawing No.	Issue
20-781-C130	A



PAVEMENT LEGEND

HEAVY DUTY RIGID PAVEMENT

ASPHALT PAVEMENT

LANDSCAPE

FOOTPATH

Bar Scales

010203040

1 : 500 @ A11 : 1000 @ A3

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Issue	Description	Date

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Status

FOR APPROVAL

A1

File Name

20-781-C135.dwg

	Drawn	TK
	Designed	SM
Height Datum	AHD	Checked FX
Grid	MGA	Approved FX

Client

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LOT 2A

Title

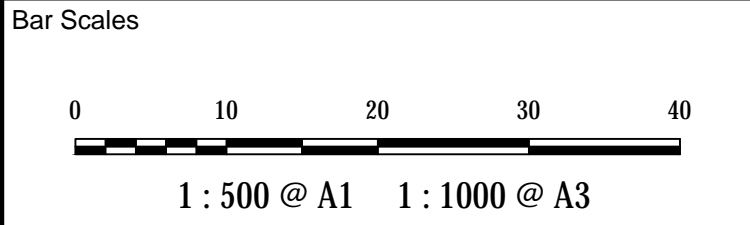
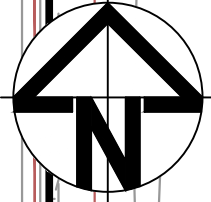
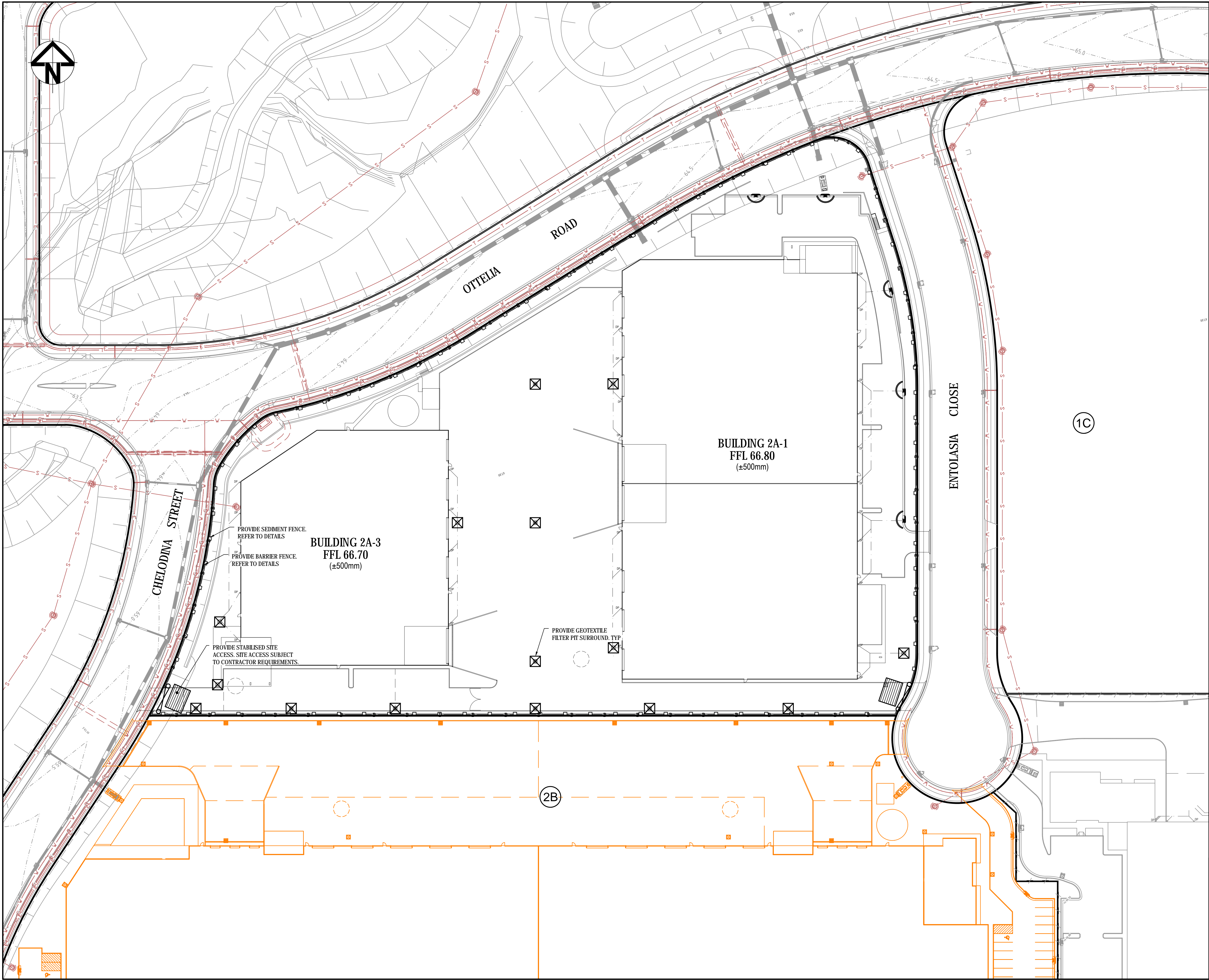
PAVEMENT PLAN

Drawing No.	Issue
20-781-C135	A

Document Set ID: 9351248
Version: 1, Version Date: 27/10/2020

Date Plotted: 2 Sep 2020 - 03:13PM File Name: F:\20-781 OSE - Precinct 2\6.0 Drgs\Civil\DA-Drawings\100 Series - Lot 2A\20-781-C135.dwg

V1



Issue	Description	Date
A	ISSUED FOR DA APPROVAL	02-09-20

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Status	FOR APPROVAL	A1
File Name	20-781-C140.dwg	

		Drawn	TK
		Designed	SM
Height Datum	AHD	Checked	FX
Grid	MGA	Approved	FX



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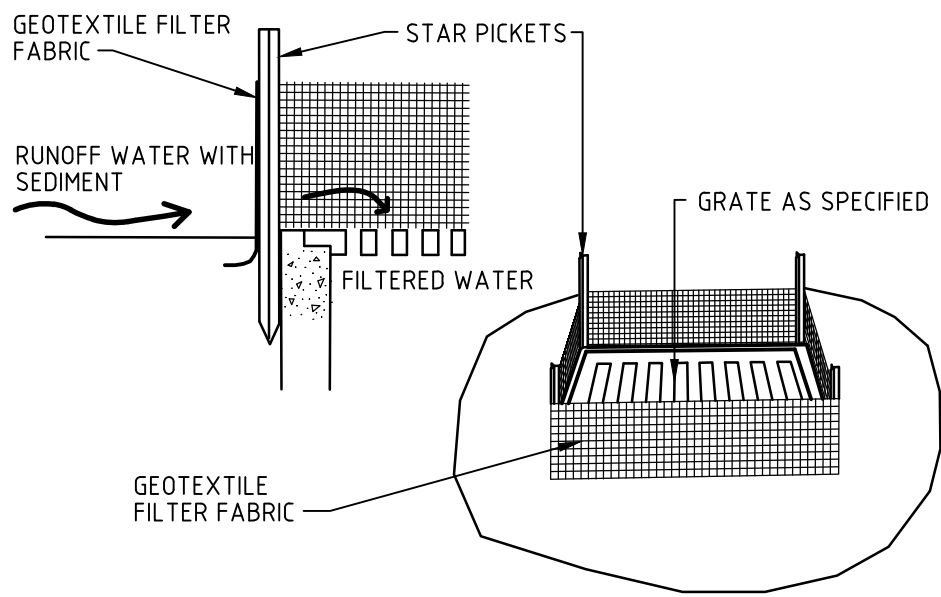
Project

**INDUSTRIAL DEVELOPMENT
OAKDALE SOUTH
LOT 2A**

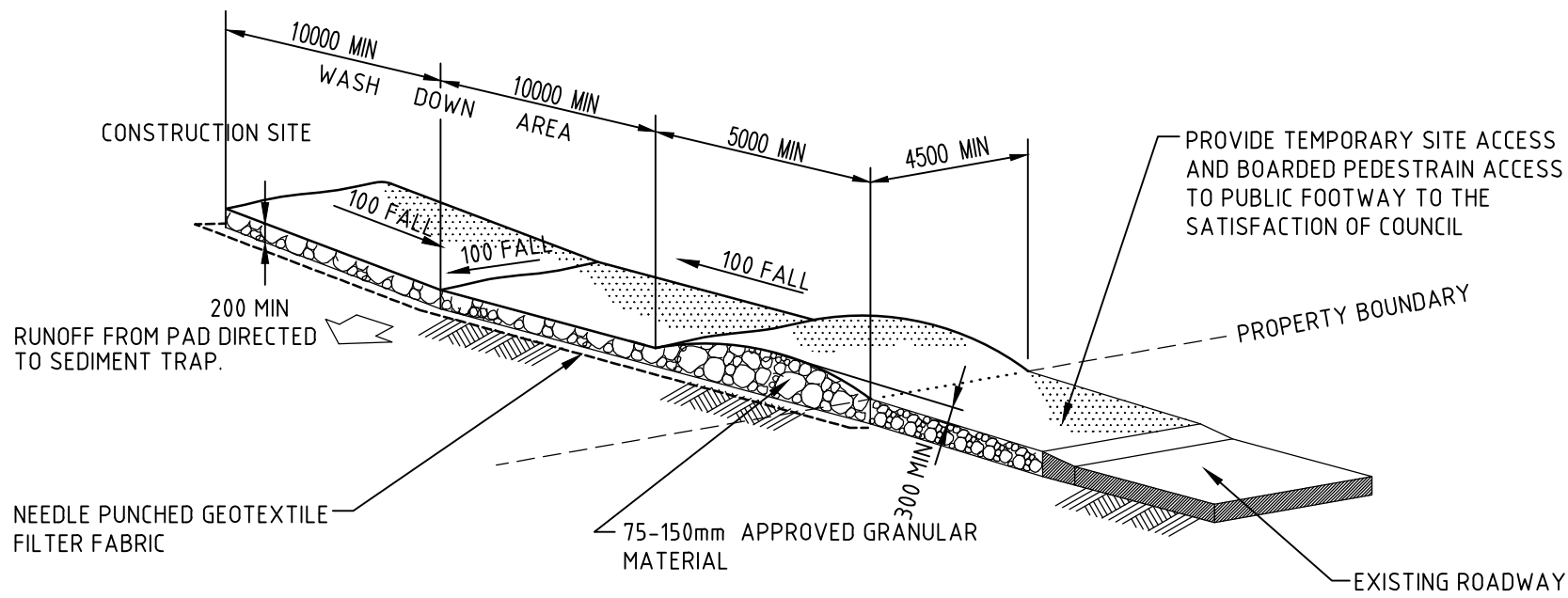
Title

**EROSION AND
SEDIMENT CONTROL
PLAN**

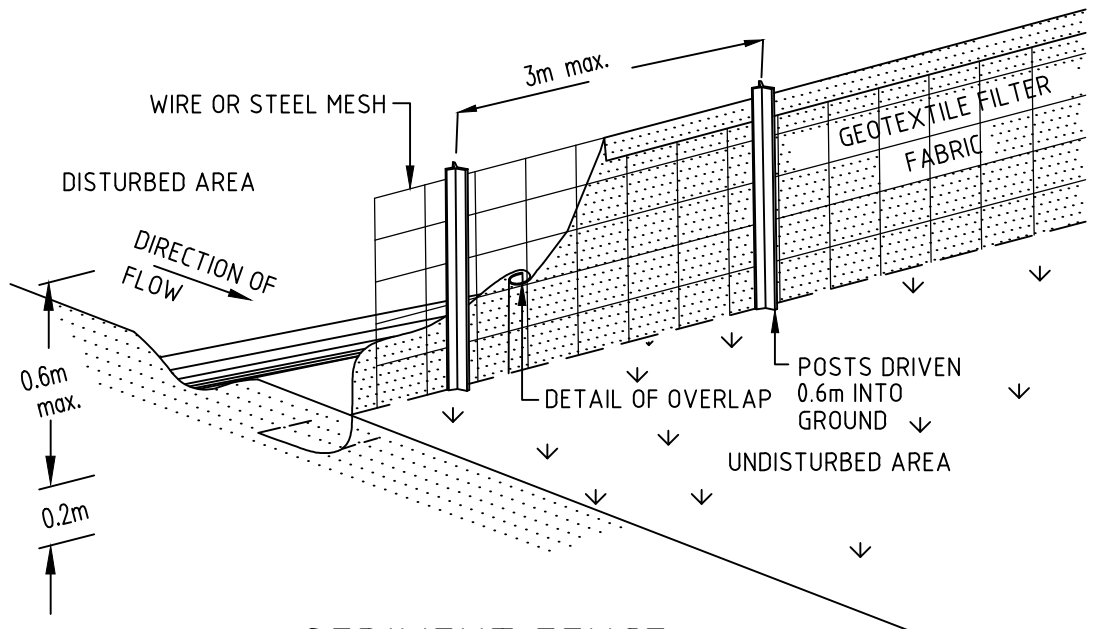
Drawing No.	Issue
20-781-C140	A



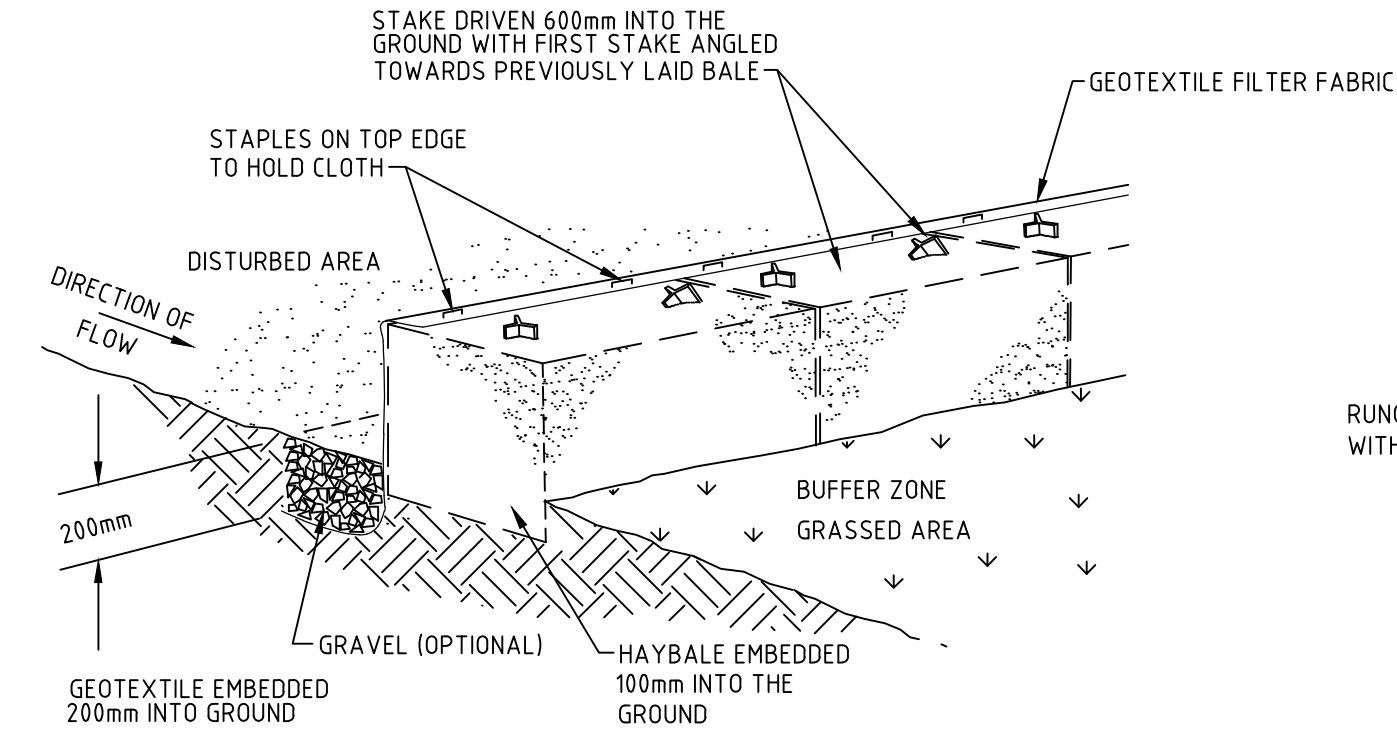
GEOTEXTILE FILTER PIT SURROUND
NTS



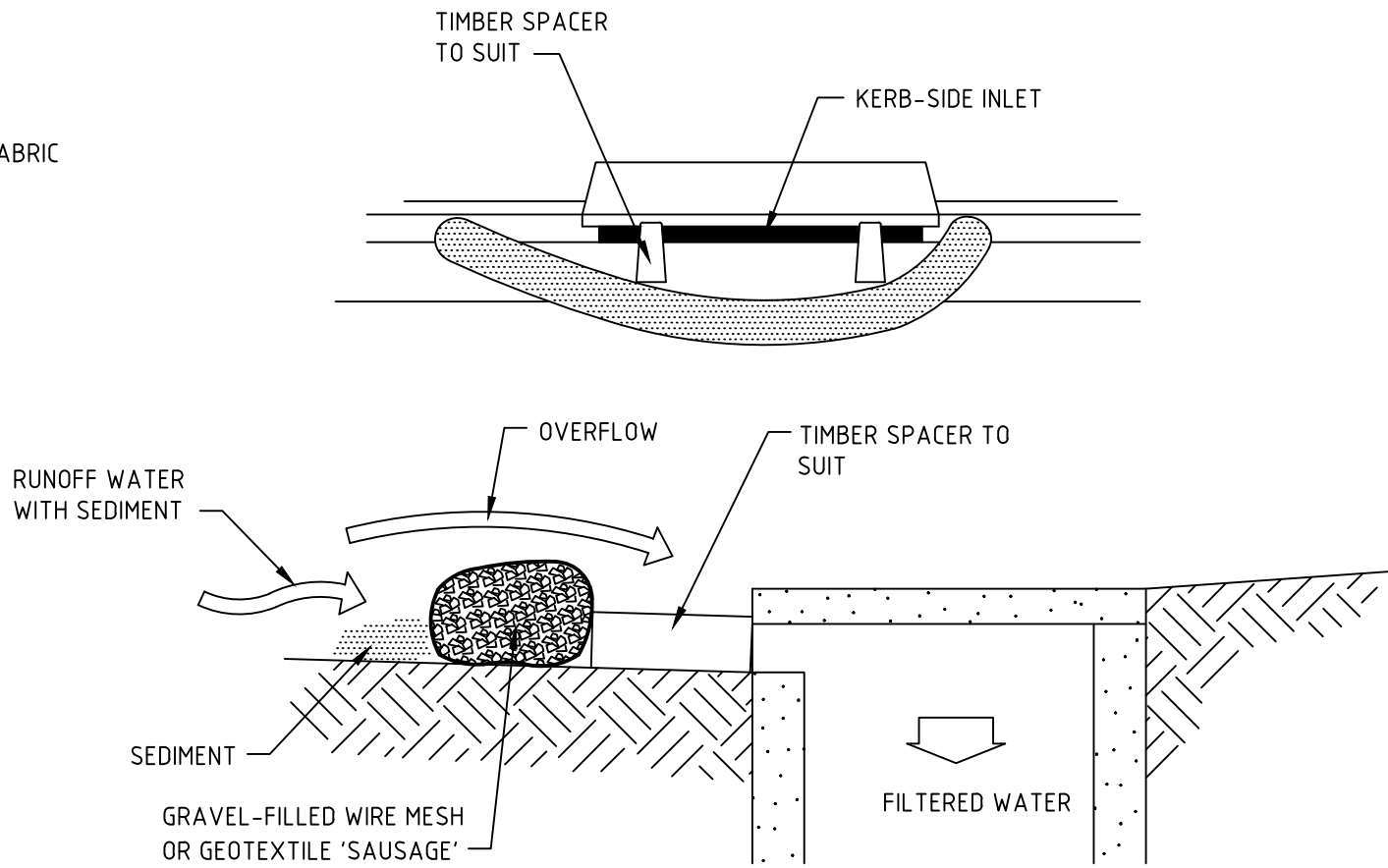
STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA
NTS



SEDIMENT FENCE
NTS



HAYBALE AND GEOTEXTILE SEDIMENT FILTER
NTS



MESH AND GRAVEL INLET FILTER
NTS

Bar Scales

Issue	Description	Date
A	ISSUED FOR DA APPROVAL	02-09-20

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Status	FOR APPROVAL	A1
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File Name 20-781-C145.dwg

	Drawn	TK
	Designed	SM
Height Datum	AHD	Checked FX
Grid	MGA	Approved FX



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Project
**INDUSTRIAL DEVELOPMENT
OAKDALE SOUTH
LOT 2A**

Title
**EROSION AND
SEDIMENT CONTROL
DETAILS**

Drawing No. 20-781-C145	Issue A
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