

landscape documentation

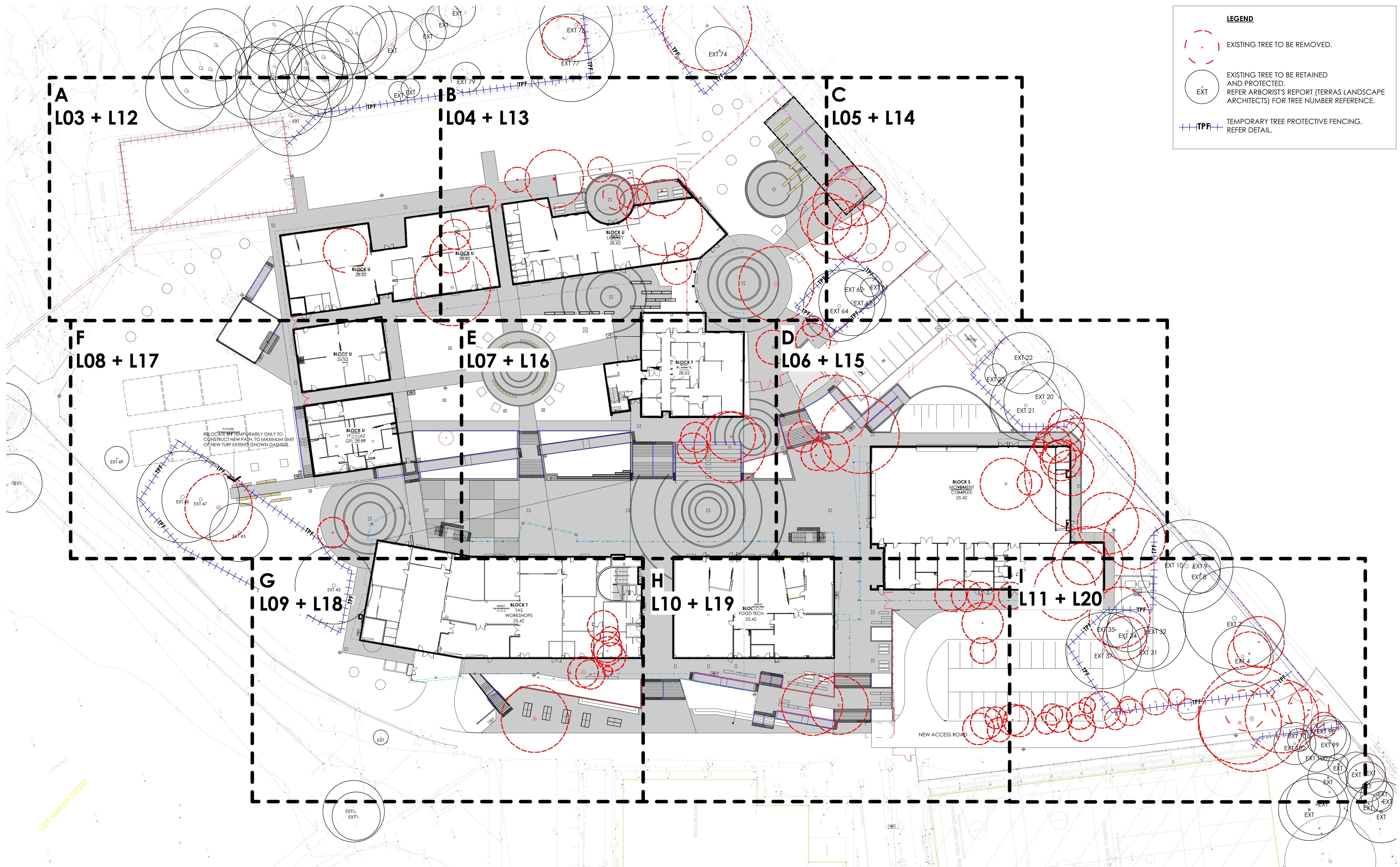
Hunter Sports High School

drawing register

L01	Site Plan & Tree Removal & Retention Plan
L02	Fencing Plan & Areas To Be Irrigated
L03	Hardworks Plan A
L04	Hardworks Plan B
L05	Hardworks Plan C
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L07	Hardworks Plan E
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L23	Details 3

date:	23.05.16
job no:	11029.5
contract no:	WS692136689
issue:	tender issue
revision:	02





LEGEND

- EXISTING TREE TO BE REMOVED.
- EXISTING TREE TO BE RETAINED AND PROTECTED. REFER ARBORIST'S REPORT (TERRAS LANDSCAPE ARCHITECTS) FOR TREE NUMBER REFERENCE.
- TEMPORARY TREE PROTECTIVE FENCING. REFER DETAIL.

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01	04.05.16	REVISED TENDER	KM	SR
00	18.04.16	TENDER ISSUE	KM	SR
rev no:	date:	comments:	by:	verified:

10m 20m 100m 200m ON ORIGINAL A1



Public Works

Education

PROJECT:
HUNTER SPORTS HIGH SCHOOL
MAJOR CAPITAL WORKS UPGRADE
CLIENT:
NSW GOVERNMENT PUBLIC WORKS
NSW GOVERNMENT EDUCATION
address: 412 king street newcastle nsw 2300 ph: 49 294 926

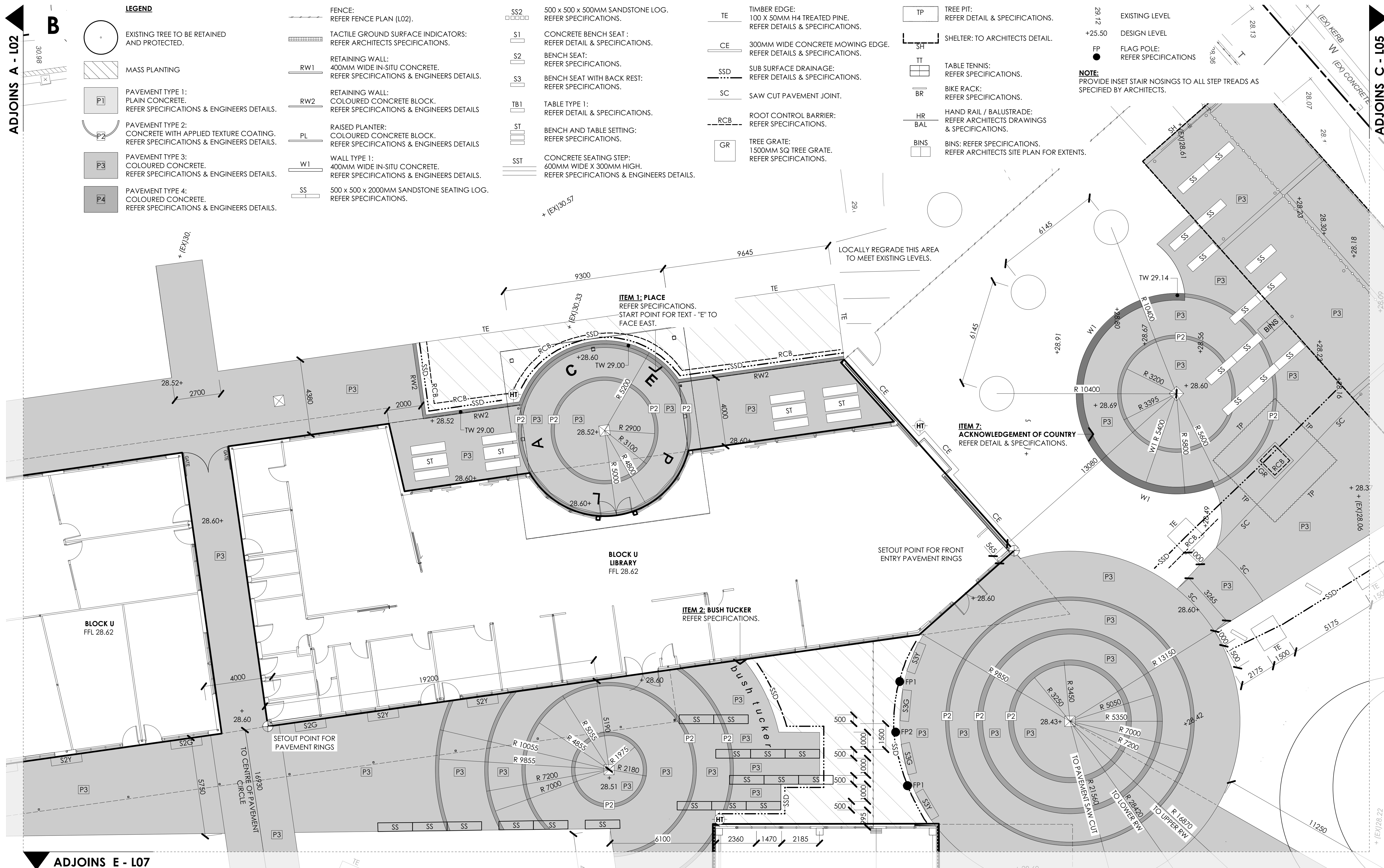
SITE:
PACIFIC HIGHWAY
GATESHEAD, 2290
DRAWING:
SITE PLAN
TREE REMOVAL / RETENTION PLAN
fax: 49 263 069 www.terras.com.au

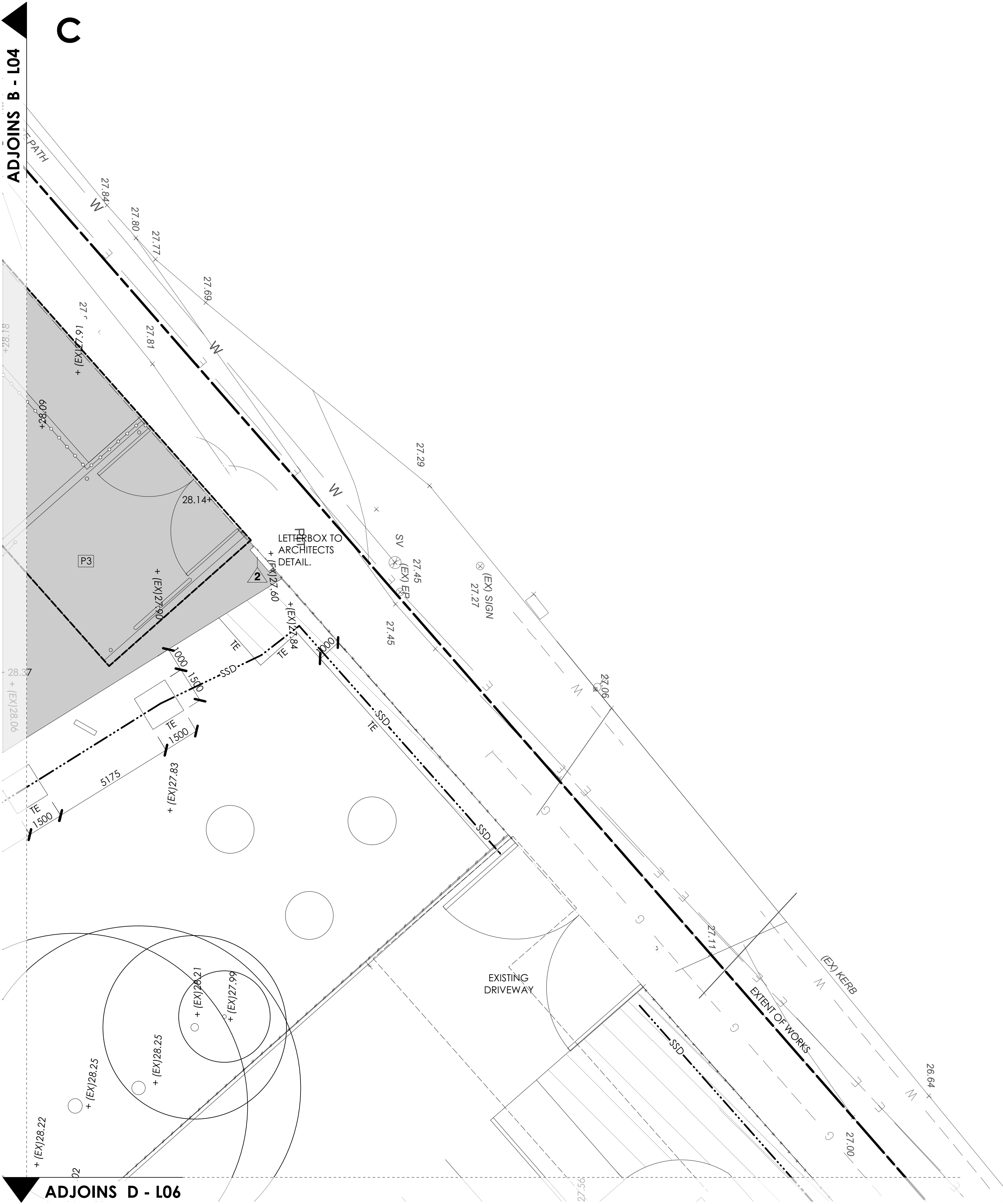


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drawn:	scale:	no in set:	date:
KM	1: 350	1 / 23	03.03.16
phase:	project no:	DWG no:	revision no:
WD	11029.5 contract no: WS692136689	L01	02





LEGEND

EXISTING TREE TO BE RETAINED AND PROTECTED.

MASS PLANTING

PAVEMENT TYPE 1:
PLAIN CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAIL

PAVEMENT TYPE 2:
CONCRETE WITH APPLIED TEXTURE COATING
REFER SPECIFICATIONS & ENGINEERS DETAIL

PAVEMENT TYPE 3:
COLOURED CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAIL

PAVEMENT TYPE 4:
COLOURED CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAIL

FENCE:
REFER FENCE PLAN (L02).

TACTILE GROUND SURFACE INDICATORS:
REFER ARCHITECTS SPECIFICATIONS.

RETAINING WALL:
400MM WIDE IN-SITU CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAIL

RETAINING WALL:
COLOURED CONCRETE BLOCK.
REFER SPECIFICATIONS & ENGINEERS DETAIL

RAISED PLANTER:
COLOURED CONCRETE BLOCK.
REFER SPECIFICATIONS & ENGINEERS DETAIL

WALL TYPE 1:
400MM WIDE IN-SITU CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAIL

500 x 500 x 2000MM SANDSTONE SEATING L
REFER SPECIFICATIONS.

500 x 500 x 500MM SANDSTONE LOG.
REFER SPECIFICATIONS.

CONCRETE BENCH SEAT :
REFER DETAIL & SPECIFICATIONS.

BENCH SEAT:
REFER SPECIFICATIONS.

BENCH SEAT WITH BACK REST:
REFER SPECIFICATIONS.

BENCH SEAT WITH BACK REST:
REFER SPECIFICATIONS.

TABLE TYPE 1:
REFER DETAIL & SPECIFICATIONS.

BENCH AND TABLE SETTING:
REFER SPECIFICATIONS.

CONCRETE SEATING STEP:
600MM WIDE X 300MM HIGH.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

TIMBER EDGE:
100 X 50MM H4 TREATED PINE.
REFER DETAILS & SPECIFICATIONS.

300MM WIDE CONCRETE MOWING EDGE.
REFER DETAILS & SPECIFICATIONS.

SUB SURFACE DRAINAGE:
REFER DETAILS & SPECIFICATIONS.

SAW CUT PAVEMENT JOINT.

ROOT CONTROL BARRIER:
REFER SPECIFICATIONS.

TREE GRATE:
1500MM SQ TREE GRATE.
REFER SPECIFICATIONS.

TREE PIT:
REFER DETAIL & SPECIFICATIONS.

SHELTER: TO ARCHITECTS DETAIL.

TABLE TENNIS:
REFER SPECIFICATIONS.

BIKE RACK:
REFER SPECIFICATIONS.

HAND RAIL / BALUSTRADE:
REFER ARCHITECTS DRAWINGS
& SPECIFICATIONS.

BINS: REFER SPECIFICATIONS.
REFER ARCHITECTS SITE PLAN FOR EXTENTS.

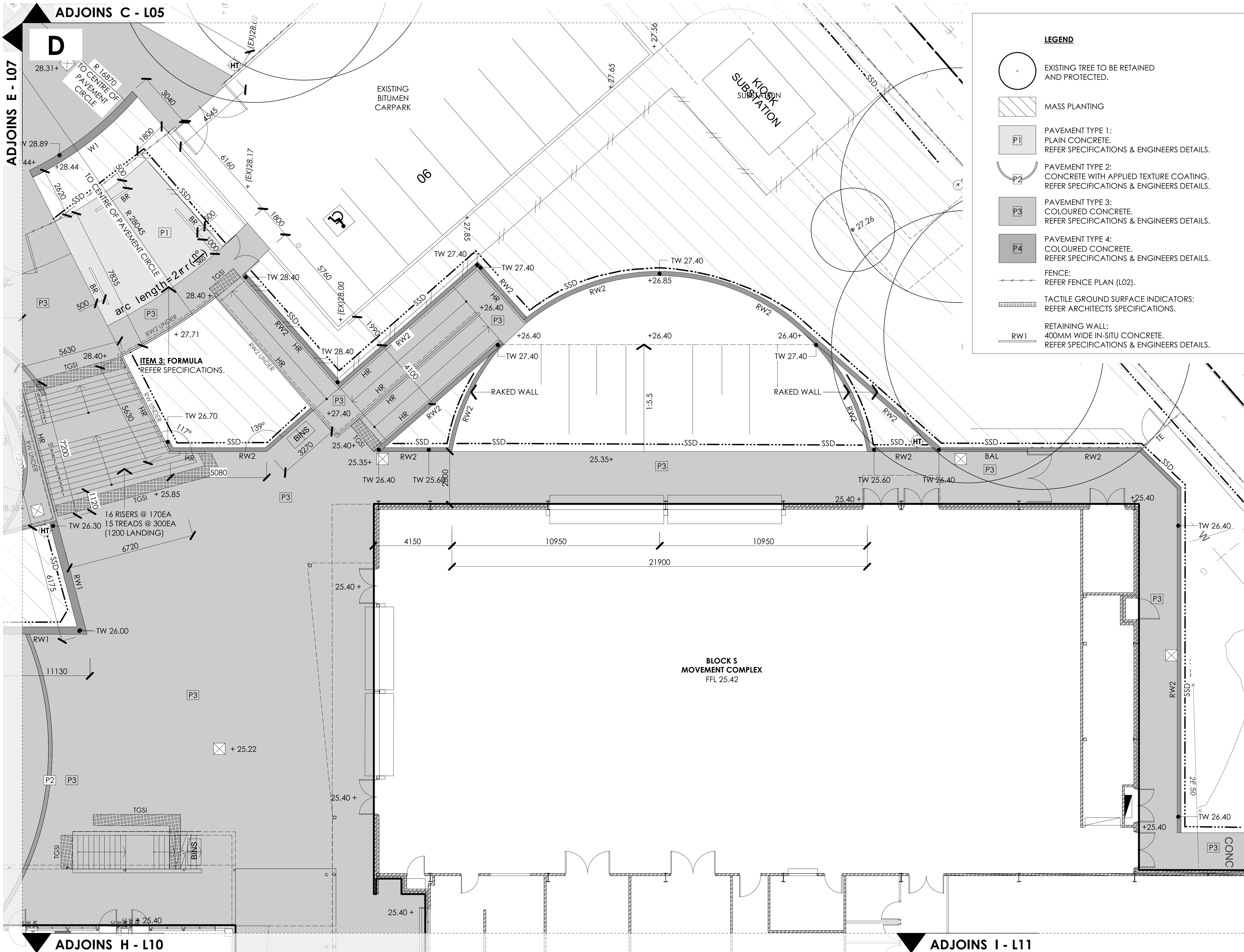
EXISTING LEVEL

DESIGN LEVEL

FLAG POLE:
REFER SPECIFICATIONS

NOTE:
PROVIDE INSET STAIR NOSINGS TO ALL STEP TREADS AS SPECIFIED BY ARCHITECTS.

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LEGEND

EXISTING TREE TO BE RETAINED AND PROTECTED.

MASS PLANTING

P1

 PAVEMENT TYPE 1:
PLAIN CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

PAVEMENT TYPE 2:
CONCRETE WITH APPLIED TEXTURE COATING.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

P3

 PAVEMENT TYPE 3:
COLOURED CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

P4

 PAVEMENT TYPE 4:
COLOURED CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

FENCE:
REFER FENCE PLAN (L02).

TACTILE GROUND SURFACE INDICATORS:
REFER ARCHITECTS SPECIFICATIONS.

RW1

 RETAINING WALL:
400MM WIDE IN-SITU CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

RW2

 RETAINING WALL:
COLOURED CONCRETE BLOCK.
REFER SPECIFICATIONS & ENGINEERS DETAILS

PL

 RAISED PLANTER:
COLOURED CONCRETE BLOCK.
REFER SPECIFICATIONS & ENGINEERS DETAILS

W1

 WALL TYPE 1:
400MM WIDE IN-SITU CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

SS

 500 x 500 x 2000MM SANDSTONE SEATING LOG.
REFER SPECIFICATIONS.

SS2

 500 x 500 x 500MM SANDSTONE LOG.
REFER SPECIFICATIONS.

S1

 CONCRETE BENCH SEAT :
REFER DETAIL & SPECIFICATIONS.

S2

 BENCH SEAT:
REFER SPECIFICATIONS.

S3

 BENCH SEAT WITH BACK REST:
REFER SPECIFICATIONS.

TB1

 TABLE TYPE 1 :
REFER DETAIL & SPECIFICATIONS.

ST

 BENCH AND TABLE SETTING:
REFER SPECIFICATIONS.

SST

 CONCRETE SEATING STEP:
600MM WIDE X 300MM HIGH.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

TE

 TIMBER EDGE:
100 X 50MM H4 TREATED PINE.
REFER DETAILS & SPECIFICATIONS.

CE

 300MM WIDE CONCRETE MOWING EDGE.
REFER DETAILS & SPECIFICATIONS.

SSD

 SUB SURFACE DRAINAGE:
REFER DETAILS & SPECIFICATIONS.

SC

 SAW CUT PAVEMENT JOINT.

RCB

 ROOT CONTROL BARRIER:
REFER SPECIFICATIONS.

GR

 TREE GRATE:
1500MM SQ TREE GRATE.
REFER SPECIFICATIONS.

TP

 TREE PIT:
REFER DETAIL & SPECIFICATIONS.

SH

 SHELTER: TO ARCHITECTS DETAIL.

TT

 TABLE TENNIS:
REFER SPECIFICATIONS.

BR

 BIKE RACK:
REFER SPECIFICATIONS.

HR
BAL

 HAND RAIL / BALUSTRADE:
REFER ARCHITECTS DRAWINGS
& SPECIFICATIONS.

BINS

 BINS: REFER SPECIFICATIONS.
REFER ARCHITECTS SITE PLAN FOR EXTENTS.

20
12

 EXISTING LEVEL

+25.50

 DESIGN LEVEL

FP

 FLAG POLE:
REFER SPECIFICATIONS

NOTE:
PROVIDE INSET STAIR NOSINGS TO ALL STEP TREADS AS SPECIFIED BY ARCHITECTS.

10 20mm

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ON ORIGINAL A1



Public Works

Education

PROJECT:
HUNTER SPORTS HIGH SCHOOL
MAJOR CAPITAL WORKS UPGRADE
CLIENT:
NSW GOVERNMENT PUBLIC WORKS
NSW GOVERNMENT EDUCATION

address: 412 king street newcastle nsw 2300 ph: 49 294 926

SITE:
PACIFIC HIGHWAY
GATESHEAD, 2290
DRAWING:
HARDWORKS PLAN D

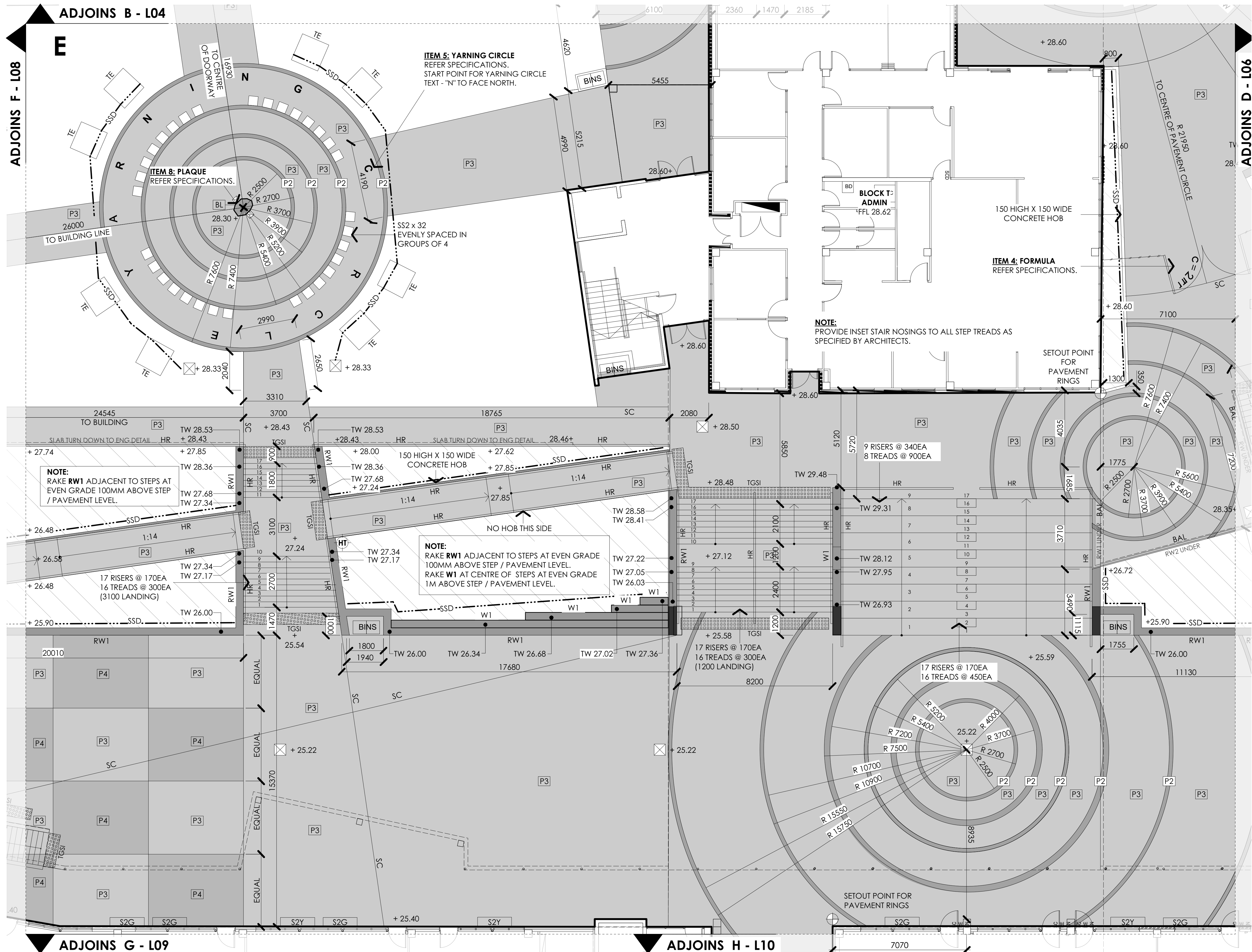
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drawn: KM	scale: 1: 100 @ A1	no in set: 6 / 23	date: 03.03.16
phase: WD	project no: 11029.5 contract no: WS692136689	DWG no: L06	revision no: 02



LEGEND	
	EXISTING TREE TO BE RETAINED AND PROTECTED.
	MASS PLANTING
	PAVEMENT TYPE 1: PLAIN CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.
	PAVEMENT TYPE 2: CONCRETE WITH APPLIED TEXTURE COATING. REFER SPECIFICATIONS & ENGINEERS DETAILS.
	PAVEMENT TYPE 3: COLOURED CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.
	PAVEMENT TYPE 4: COLOURED CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.
	FENCE: REFER FENCE PLAN (L02).
	TACTILE GROUND SURFACE INDICATORS: REFER ARCHITECTS SPECIFICATIONS.
	RETAINING WALL: 400MM WIDE IN-SITU CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.
	RETAINING WALL: COLOURED CONCRETE BLOCK. REFER SPECIFICATIONS & ENGINEERS DETAILS
	RAISED PLANTER: COLOURED CONCRETE BLOCK. REFER SPECIFICATIONS & ENGINEERS DETAILS
	WALL TYPE 1: 400MM WIDE IN-SITU CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.
	500 x 500 x 2000MM SANDSTONE SEATING LOG. REFER SPECIFICATIONS.
	500 x 500 x 500MM SANDSTONE LOG. REFER SPECIFICATIONS.
	CONCRETE BENCH SEAT : REFER DETAIL & SPECIFICATIONS.
	BENCH SEAT: REFER SPECIFICATIONS.
	BENCH SEAT WITH BACK REST: REFER SPECIFICATIONS.
	TABLE TYPE 1: REFER DETAIL & SPECIFICATIONS.
	BENCH AND TABLE SETTING: REFER SPECIFICATIONS.
	CONCRETE SEATING STEP: 600MM WIDE X 300MM HIGH. REFER SPECIFICATIONS & ENGINEERS DETAILS.
	TIMBER EDGE: 100 X 50MM H4 TREATED PINE. REFER DETAILS & SPECIFICATIONS.
	300MM WIDE CONCRETE MOWING EDGE. REFER DETAILS & SPECIFICATIONS.
	SUB SURFACE DRAINAGE: REFER DETAILS & SPECIFICATIONS.
	SAW CUT PAVEMENT JOINT.
	ROOT CONTROL BARRIER: REFER SPECIFICATIONS.
	TREE GRATE: 1500MM SQ TREE GRATE. REFER SPECIFICATIONS.
	TREE PIT: REFER DETAIL & SPECIFICATIONS.
	SHELTER: TO ARCHITECTS DETAIL.
	TABLE TENNIS: REFER SPECIFICATIONS.

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HUNTER HIGH SCHOOL

NSW GOVERNMENT

NSW GOVERNMENT

Public Works

Education

PROJECT:
HUNTER SPORTS HIGH SCHOOL
MAJOR CAPITAL WORKS UPGRADE

CLIENT:
NSW GOVERNMENT PUBLIC WORKS
NSW GOVERNMENT EDUCATION

address: 412 king street newcastle nsw 2300 ph: 49 294 926

SITE:
PACIFIC HIGHWAY
GATESHEAD, 2290

DRAWING:
HARDWORKS PLAN E

fax: 49 263 069 www.terras.com.au

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landscape architects

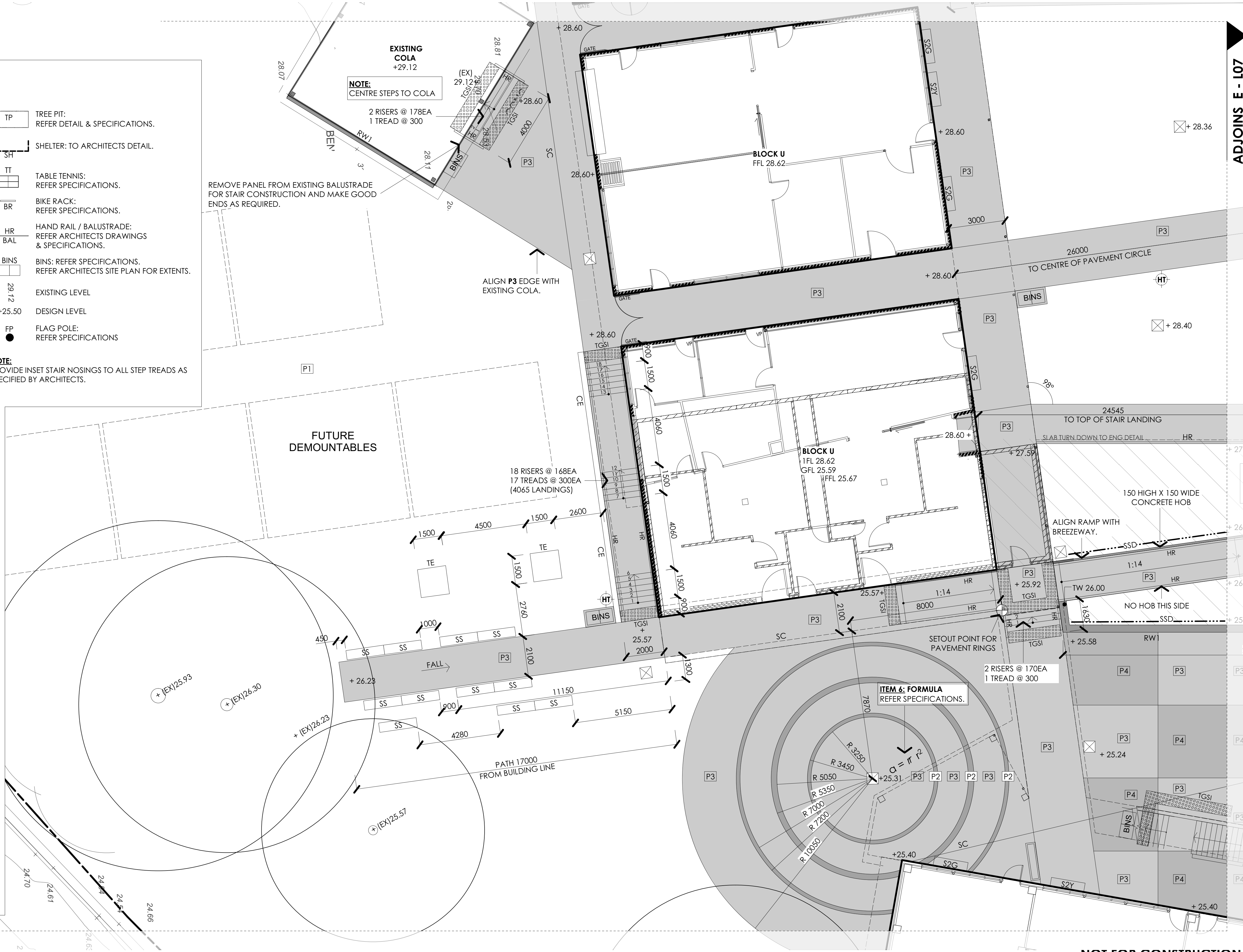
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KM	1: 100	7 / 23	03.03.16
@ A1			
phase:	project no:	DWG no:	revision no:
WD	11029.5	L07	02
	contract no:		
	WS692136689		

ADJOINS A - L03
F

- LEGEND**
- EXISTING TREE TO BE RETAINED AND PROTECTED.
- MASS PLANTING
- PAVEMENT TYPE 1:
PLAIN CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.
- PAVEMENT TYPE 2:
CONCRETE WITH APPLIED TEXTURE COATING.
REFER SPECIFICATIONS & ENGINEERS DETAILS.
- PAVEMENT TYPE 3:
COLOURED CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.
- PAVEMENT TYPE 4:
COLOURED CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.
- FENCE:
REFER FENCE PLAN (L02).
- TACTILE GROUND SURFACE INDICATORS:
REFER ARCHITECTS SPECIFICATIONS.
- RETAINING WALL:
400MM WIDE IN-SITU CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.
- RETAINING WALL:
COLOURED CONCRETE BLOCK.
REFER SPECIFICATIONS & ENGINEERS DETAILS
- RAISED PLANTER:
COLOURED CONCRETE BLOCK.
REFER SPECIFICATIONS & ENGINEERS DETAILS
- WALL TYPE 1:
400MM WIDE IN-SITU CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.
- 500 x 500 x 2000MM SANDSTONE SEATING LOG.
REFER SPECIFICATIONS.
- 500 x 500 x 500MM SANDSTONE LOG.
REFER SPECIFICATIONS.
- CONCRETE BENCH SEAT :
REFER DETAIL & SPECIFICATIONS.
- BENCH SEAT:
REFER SPECIFICATIONS.
- BENCH SEAT WITH BACK REST:
REFER SPECIFICATIONS.
- TABLE TYPE 1:
REFER DETAIL & SPECIFICATIONS.
- BENCH AND TABLE SETTING:
REFER SPECIFICATIONS.
- CONCRETE SEATING STEP:
600MM WIDE X 300MM HIGH.
REFER SPECIFICATIONS & ENGINEERS DETAILS.
- TIMBER EDGE:
100 X 50MM H4 TREATED PINE.
REFER DETAILS & SPECIFICATIONS.
- 300MM WIDE CONCRETE MOWING EDGE.
REFER DETAILS & SPECIFICATIONS.
- SUB SURFACE DRAINAGE:
REFER DETAILS & SPECIFICATIONS.
- SAW CUT PAVEMENT JOINT.
- ROOT CONTROL BARRIER:
REFER SPECIFICATIONS.
- TREE GRATE:
1500MM SQ TREE GRATE.
REFER SPECIFICATIONS.
- TP TREE PIT:
REFER DETAIL & SPECIFICATIONS.
- SH SHELTER: TO ARCHITECTS DETAIL.
- TT TABLE TENNIS:
REFER SPECIFICATIONS.
- BR BIKE RACK:
REFER SPECIFICATIONS.
- HR HAND RAIL / BALUSTRADE:
REFER ARCHITECTS DRAWINGS & SPECIFICATIONS.
- BINS BINS: REFER SPECIFICATIONS.
REFER ARCHITECTS SITE PLAN FOR EXTENTS.
- 29.12 EXISTING LEVEL
- +25.50 DESIGN LEVEL
- FP FLAG POLE:
REFER SPECIFICATIONS
- NOTE:**
PROVIDE INSET STAIR NOSINGS TO ALL STEP TREADS AS SPECIFIED BY ARCHITECTS.



ADJOINS G - L09

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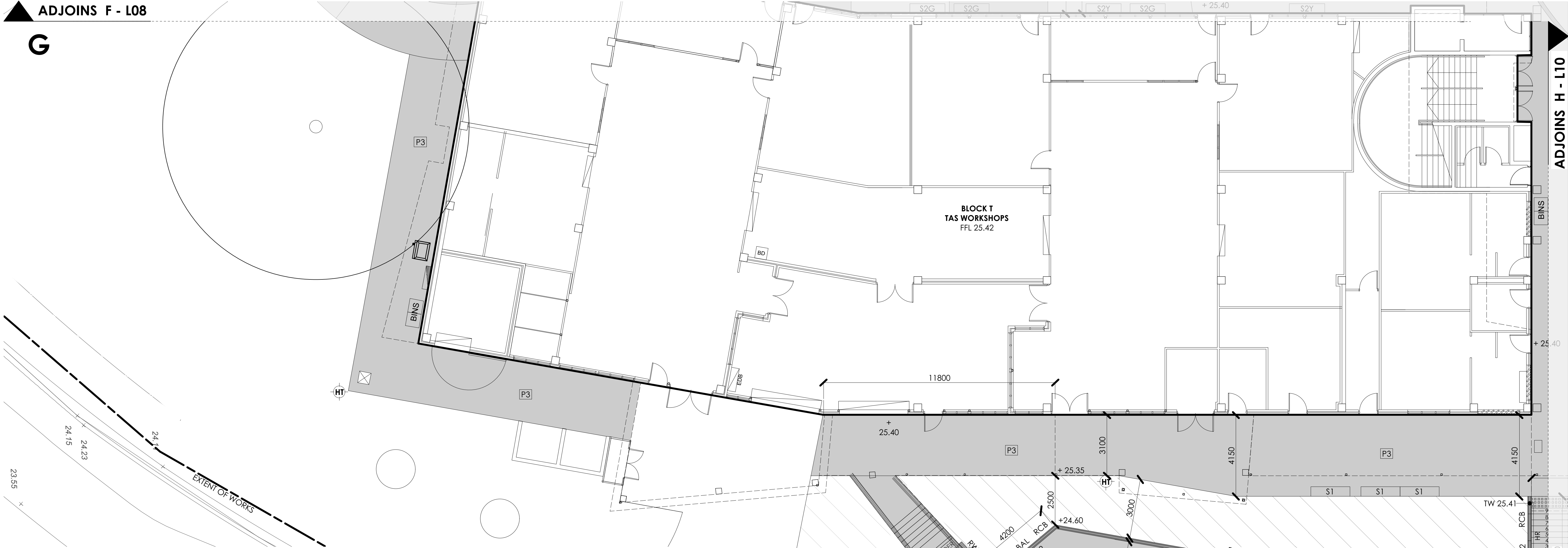
Public Works
Education

PROJECT:
HUNTER SPORTS HIGH SCHOOL
MAJOR CAPITAL WORKS UPGRADE
CLIENT:
NSW GOVERNMENT PUBLIC WORKS
NSW GOVERNMENT EDUCATION
address: 412 king street newcastle nsw 2300 ph: 49 294 926

SITE:
PACIFIC HIGHWAY
GATESHEAD, 2290
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drawn: KM	scale: 1: 100 @ A1	no in set: 8 / 23	date: 03.03.16
phase: WD	project no: 11029.5 contract no: WS692136689	DWG no: L08	revision no: 02



LEGEND

EXISTING TREE TO BE RETAINED AND PROTECTED.

MASS PLANTING

PAVEMENT TYPE 1: PLAIN CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.

PAVEMENT TYPE 2: CONCRETE WITH APPLIED TEXTURE COATING. REFER SPECIFICATIONS & ENGINEERS DETAILS.

PAVEMENT TYPE 3: COLOURED CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.

PAVEMENT TYPE 4: COLOURED CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.

FENCE: REFER FENCE PLAN (L02).

TACTILE GROUND SURFACE INDICATORS: REFER ARCHITECTS SPECIFICATIONS.

RETAINING WALL: 400MM WIDE IN-SITU CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.

RETAINING WALL: COLOURED CONCRETE BLOCK. REFER SPECIFICATIONS & ENGINEERS DETAILS

RAISED PLANTER: COLOURED CONCRETE BLOCK. REFER SPECIFICATIONS & ENGINEERS DETAILS

W1 WALL TYPE 1: 400MM WIDE IN-SITU CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.

SS 500 x 500 x 2000MM SANDSTONE SEATING LOG. REFER SPECIFICATIONS.

SS2 500 x 500 x 500MM SANDSTONE LOG. REFER SPECIFICATIONS.

S1 CONCRETE BENCH SEAT: REFER DETAIL & SPECIFICATIONS.

S2 BENCH SEAT: REFER SPECIFICATIONS.

S3 BENCH SEAT WITH BACK REST: REFER SPECIFICATIONS.

TB1 TABLE TYPE 1: REFER DETAIL & SPECIFICATIONS.

ST BENCH AND TABLE SETTING: REFER SPECIFICATIONS.

SST CONCRETE SEATING STEP: 600MM WIDE X 300MM HIGH. REFER SPECIFICATIONS & ENGINEERS DETAILS.

TE TIMBER EDGE: 100 X 50MM H4 TREATED PINE. REFER DETAILS & SPECIFICATIONS.

CE 300MM WIDE CONCRETE MOWING EDGE. REFER DETAILS & SPECIFICATIONS.

SSD SUB SURFACE DRAINAGE: REFER DETAILS & SPECIFICATIONS.

SC SAW CUT PAVEMENT JOINT.

RCB ROOT CONTROL BARRIER: REFER SPECIFICATIONS.

GR TREE GRATE: 1500MM SQ TREE GRATE. REFER SPECIFICATIONS.

TP TREE PIT: REFER DETAIL & SPECIFICATIONS.

SH SHELTER: TO ARCHITECTS DETAIL.

TT TABLE TENNIS: REFER SPECIFICATIONS.

BR BIKE RACK: REFER SPECIFICATIONS.

HR HAND RAIL / BALUSTRADE: REFER ARCHITECTS DRAWINGS & SPECIFICATIONS.

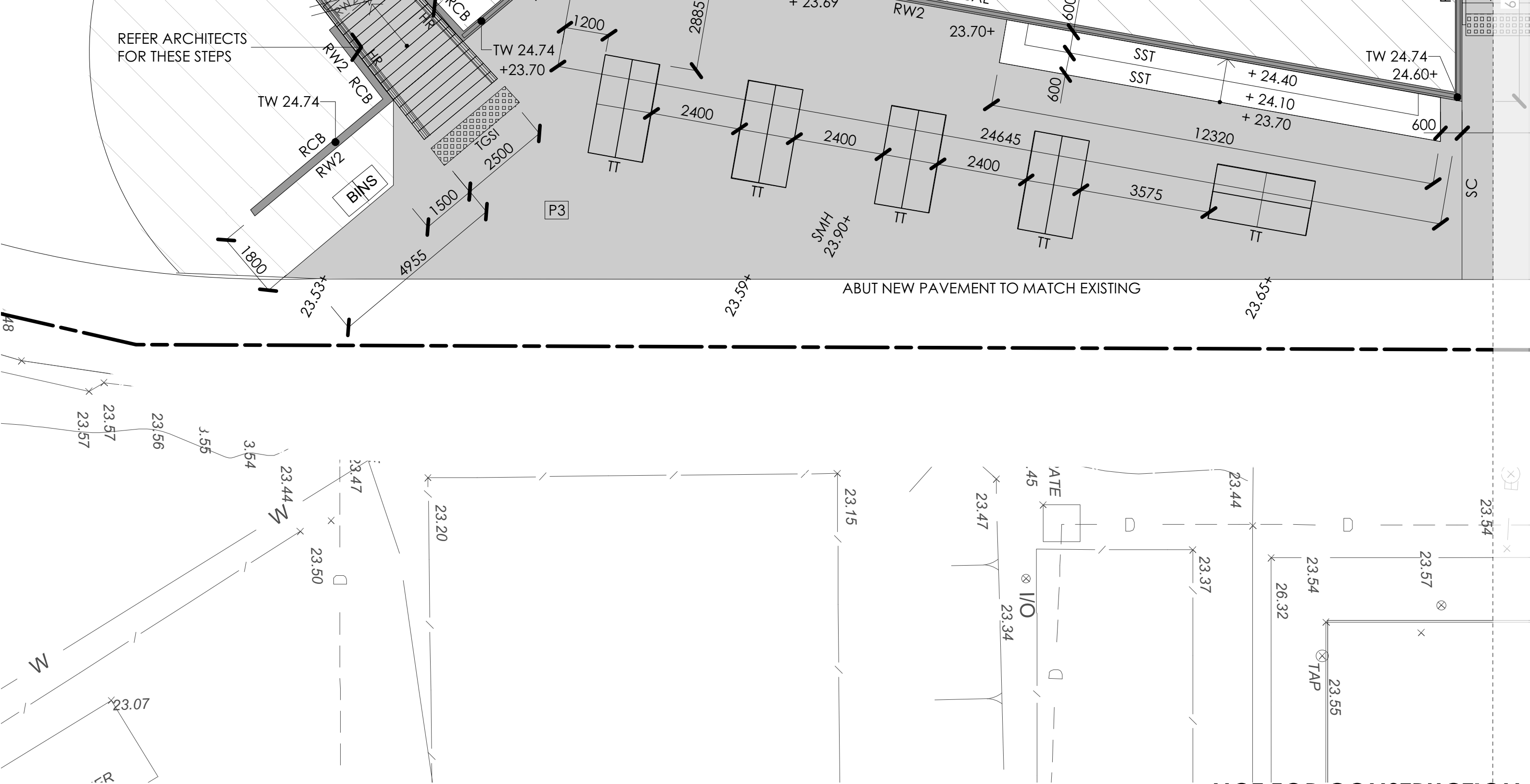
BINS BINS: REFER SPECIFICATIONS. REFER ARCHITECTS SITE PLAN FOR EXTENTS.

EXISTING LEVEL

DESIGN LEVEL

FP FLAG POLE: REFER SPECIFICATIONS

NOTE: PROVIDE INSET STAIR NOSINGS TO ALL STEP TREADS AS SPECIFIED BY ARCHITECTS.



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Public Works

Education

PROJECT:
HUNTER SPORTS HIGH SCHOOL
MAJOR CAPITAL WORKS UPGRADE
CLIENT:
NSW GOVERNMENT PUBLIC WORKS
NSW GOVERNMENT EDUCATION

address: 412 king street newcastle nsw 2300 ph: 49 294 926

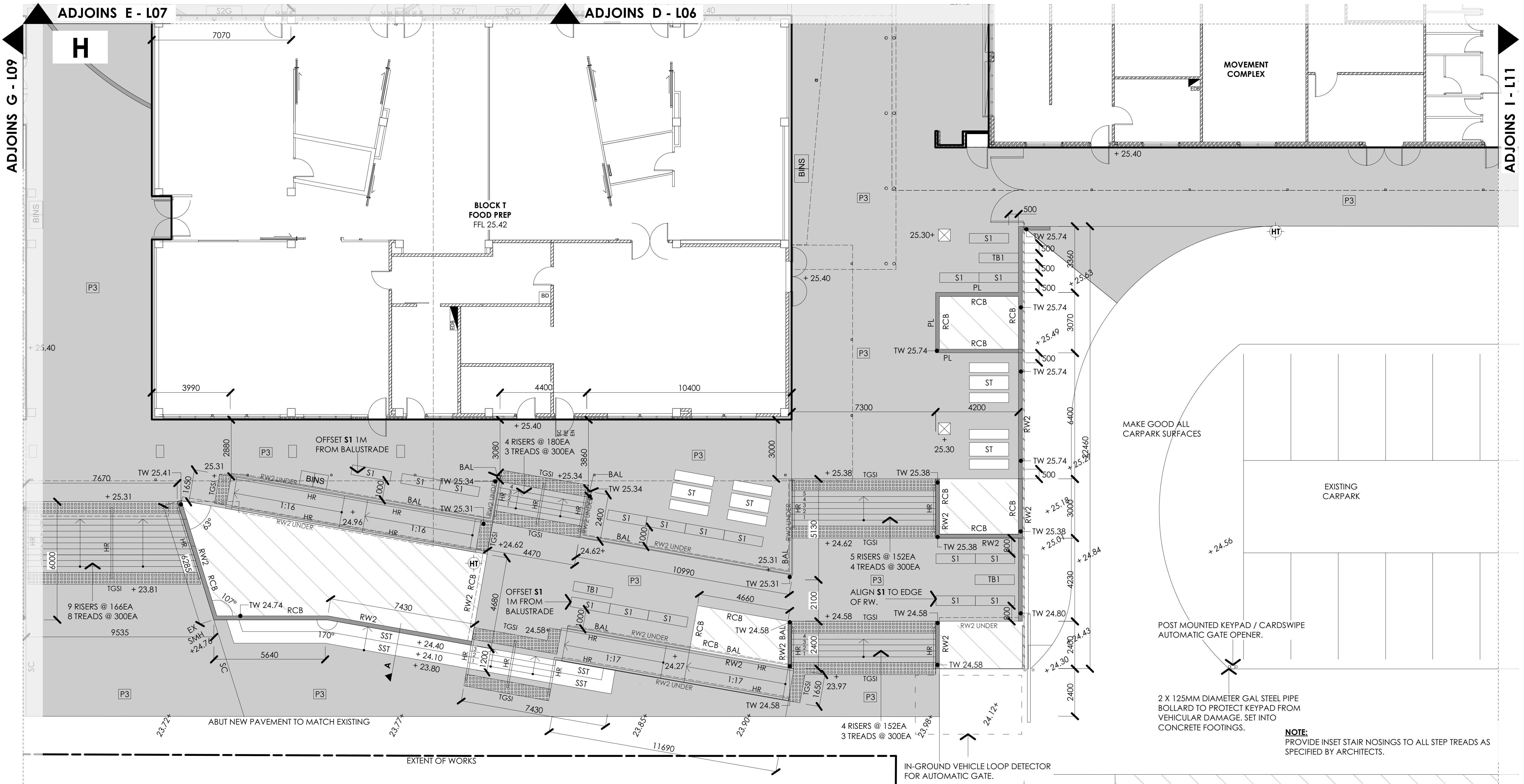
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phase: WD	project no: 11029.5 contract no: WS692136689	DWG no: L09	revision no: 02



LEGEND									
	EXISTING TREE TO BE RETAINED AND PROTECTED.		PAVEMENT TYPE 3: COLOURED CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.		RETAINING WALL: COLOURED CONCRETE BLOCK. REFER SPECIFICATIONS & ENGINEERS DETAILS		CONCRETE BENCH SEAT : REFER DETAIL & SPECIFICATIONS.		CONCRETE SEATING STEP: 600MM WIDE X 300MM HIGH. REFER SPECIFICATIONS & ENGINEERS DETAILS.
	MASS PLANTING		PAVEMENT TYPE 4: COLOURED CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.		RAISED PLANTER: COLOURED CONCRETE BLOCK. REFER SPECIFICATIONS & ENGINEERS DETAILS		BENCH SEAT: REFER SPECIFICATIONS.		TIMBER EDGE: 100 X 50MM H4 TREATED PINE. REFER DETAILS & SPECIFICATIONS.
	PAVEMENT TYPE 1: PLAIN CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.		FENCE: REFER FENCE PLAN (L02).		WALL TYPE 1: 400MM WIDE IN-SITU CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.		BENCH SEAT WITH BACK REST: REFER SPECIFICATIONS.		300MM WIDE CONCRETE MOWING EDGE. REFER DETAILS & SPECIFICATIONS.
	PAVEMENT TYPE 2: CONCRETE WITH APPLIED TEXTURE COATING. REFER SPECIFICATIONS & ENGINEERS DETAILS.		TACTILE GROUND SURFACE INDICATORS: REFER ARCHITECTS SPECIFICATIONS.		500 x 500 x 2000MM SANDSTONE SEATING LOG. REFER SPECIFICATIONS.		TABLE TYPE 1: REFER DETAIL & SPECIFICATIONS.		SUB SURFACE DRAINAGE: REFER DETAILS & SPECIFICATIONS.
			RETAINING WALL: 400MM WIDE IN-SITU CONCRETE. REFER SPECIFICATIONS & ENGINEERS DETAILS.		500 x 500 x 500MM SANDSTONE LOG. REFER SPECIFICATIONS.		BENCH AND TABLE SETTING: REFER SPECIFICATIONS.		SAW CUT PAVEMENT JOINT.
									ROOT CONTROL BARRIER: REFER SPECIFICATIONS.
									TREE GRATE: 1500MM SQ TREE GRATE. REFER SPECIFICATIONS.
									TREE PIT: REFER DETAIL & SPECIFICATIONS.
									SHELTER: TO ARCHITECTS DETAIL.
									TABLE TENNIS: REFER SPECIFICATIONS.
									BIKE RACK: REFER SPECIFICATIONS.
									HAND RAIL / BALUSTRADE: REFER ARCHITECTS DRAWINGS & SPECIFICATIONS.
									BINS: REFER SPECIFICATIONS. REFER ARCHITECTS SITE PLAN FOR EX
									EXISTING LEVEL
									DESIGN LEVEL
									FLAG POLE: REFER SPECIFICATIONS

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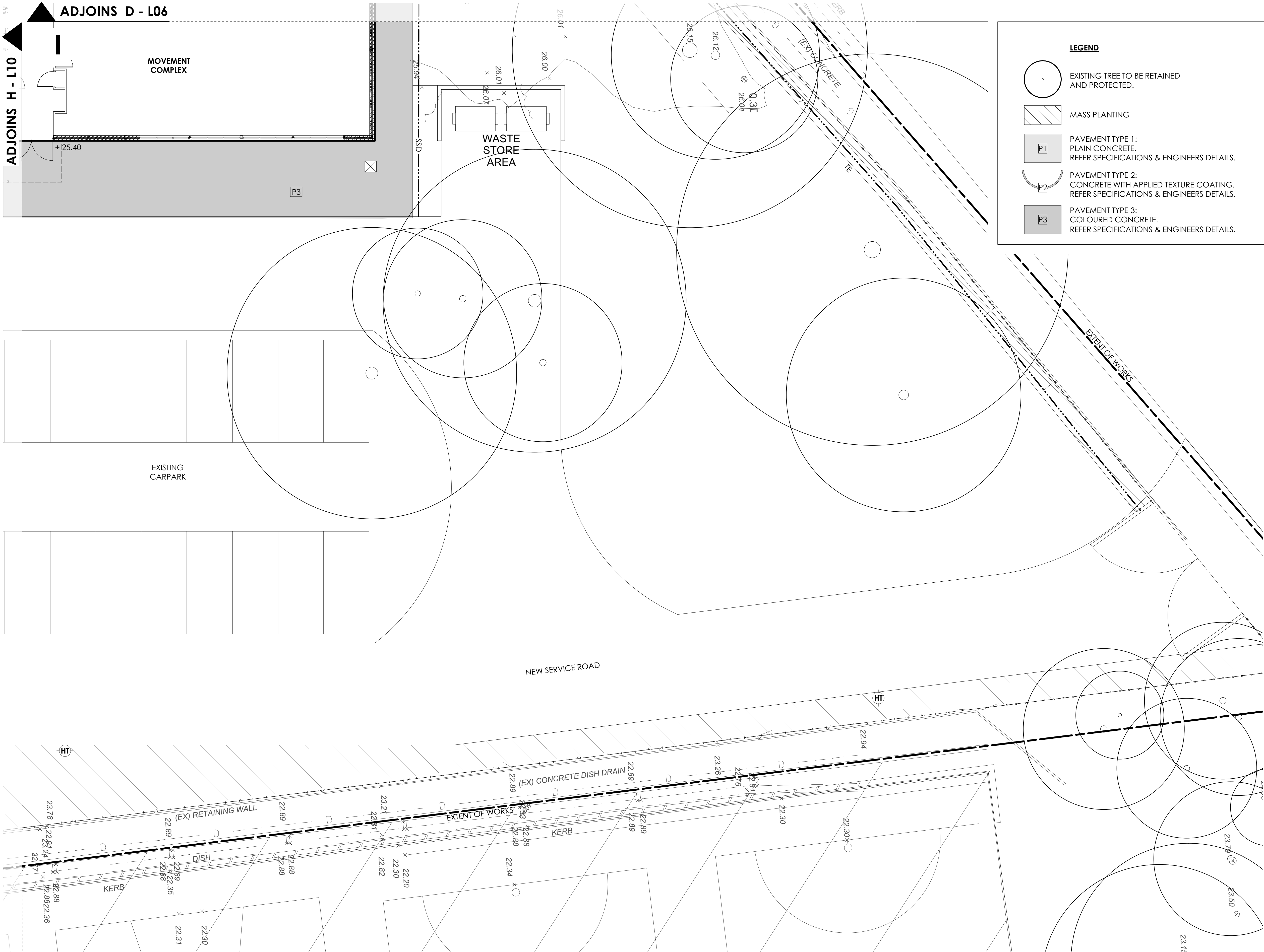
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MAJOR CAPITAL WORKS UPGRADE
CLIENT:
NSW GOVERNMENT PUBLIC WORKS
NSW GOVERNMENT EDUCATION
address: 412 king street newcastle nsw 2300 ph: 49 294 926

SITE:
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phase: WD	project no: 11029.5 contract no: WS692136689	DWG no: L10	revision no: 02



LEGEND

EXISTING TREE TO BE RETAINED AND PROTECTED.

MASS PLANTING

PAVEMENT TYPE 1:
PLAIN CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

PAVEMENT TYPE 2:
CONCRETE WITH APPLIED TEXTURE COATING.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

PAVEMENT TYPE 3:
COLOURED CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

P4 PAVEMENT TYPE 4:
COLOURED CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

FENCE:
REFER FENCE PLAN (L02).

TACTILE GROUND SURFACE INDICATORS:
REFER ARCHITECTS SPECIFICATIONS.

RW1 RETAINING WALL:
400MM WIDE IN-SITU CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

RW2 RETAINING WALL:
COLOURED CONCRETE BLOCK.
REFER SPECIFICATIONS & ENGINEERS DETAILS

PL RAISED PLANTER:
COLOURED CONCRETE BLOCK.
REFER SPECIFICATIONS & ENGINEERS DETAILS

W1 WALL TYPE 1:
400MM WIDE IN-SITU CONCRETE.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

SS 500 x 500 x 2000MM SANDSTONE SEATING LOG.
REFER SPECIFICATIONS.

SS2 500 x 500 x 500MM SANDSTONE LOG.
REFER SPECIFICATIONS.

S1 CONCRETE BENCH SEAT :
REFER DETAIL & SPECIFICATIONS.

S2 BENCH SEAT:
REFER SPECIFICATIONS.

S3 BENCH SEAT WITH BACK REST:
REFER SPECIFICATIONS.

TB1 TABLE TYPE 1:
REFER DETAIL & SPECIFICATIONS.

ST BENCH AND TABLE SETTING:
REFER SPECIFICATIONS.

SST CONCRETE SEATING STEP:
600MM WIDE X 300MM HIGH.
REFER SPECIFICATIONS & ENGINEERS DETAILS.

TE TIMBER EDGE:
100 X 50MM H4 TREATED PINE.
REFER DETAILS & SPECIFICATIONS.

CE 300MM WIDE CONCRETE MOWING EDGE.
REFER DETAILS & SPECIFICATIONS.

SSD SUB SURFACE DRAINAGE:
REFER DETAILS & SPECIFICATIONS.

SC SAW CUT PAVEMENT JOINT.

RCB ROOT CONTROL BARRIER:
REFER SPECIFICATIONS.

GR TREE GRATE:
1500MM SQ TREE GRATE.
REFER SPECIFICATIONS.

TP TREE PIT:
REFER DETAIL & SPECIFICATIONS.

SH SHELTER: TO ARCHITECTS DETAIL.

TT TABLE TENNIS:
REFER SPECIFICATIONS.

BR BIKE RACK:
REFER SPECIFICATIONS.

HR BAL HAND RAIL / BALUSTRADE:
REFER ARCHITECTS DRAWINGS & SPECIFICATIONS.

BINS BINS: REFER SPECIFICATIONS.
REFER ARCHITECTS SITE PLAN FOR EXTENTS.

EXISTING LEVEL

+25.50 DESIGN LEVEL

FP FLAG POLE:
REFER SPECIFICATIONS

NOTE:
PROVIDE INSET STAIR NOSINGS TO ALL STEP TREADS AS SPECIFIED BY ARCHITECTS.

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10m 250mm 100mm 200mm

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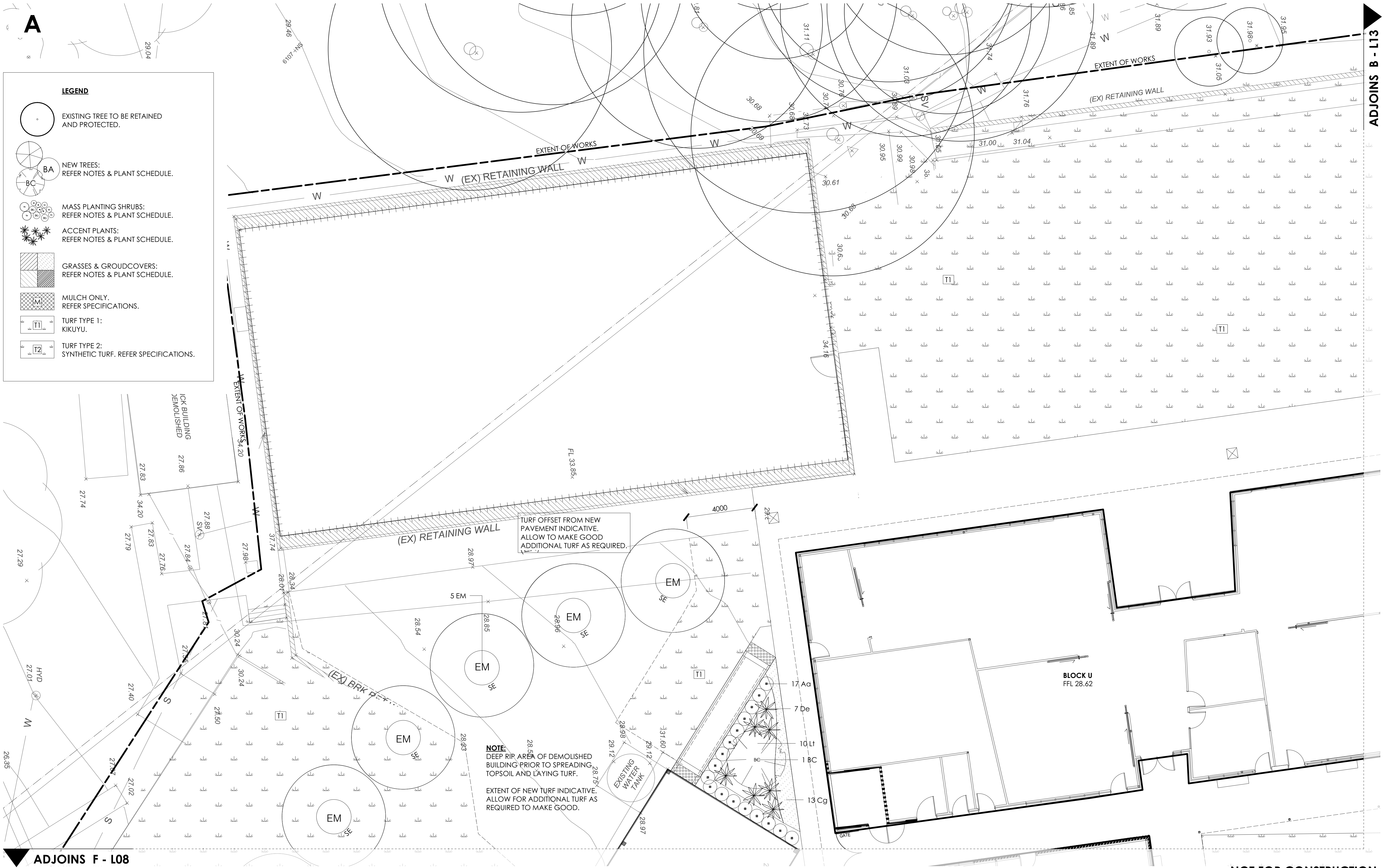
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@ A1			
phase:	project no:	DWG no:	revision no:
WD	11029.5	L11	02
contract no: WS692136689			



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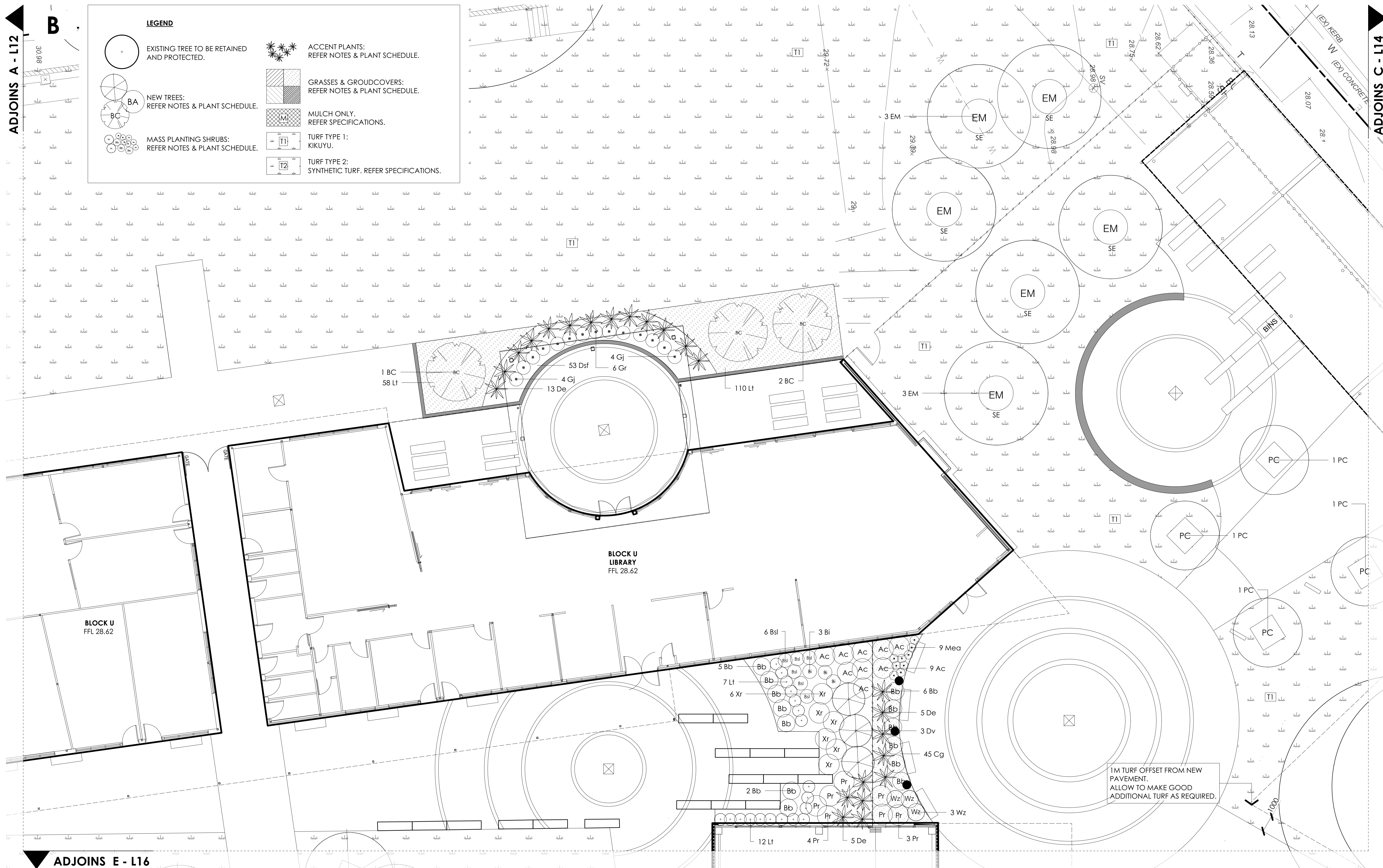
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phase: WD	project no: 11029.5 contract no: WS692136689	DWG no: L12	revision no: 02

ADJOINS A - L12 

ADJOINS C - L14



ADJOINS E - L16

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@ A1			
phase:	project no: 11029.5	DWG no:	revision:



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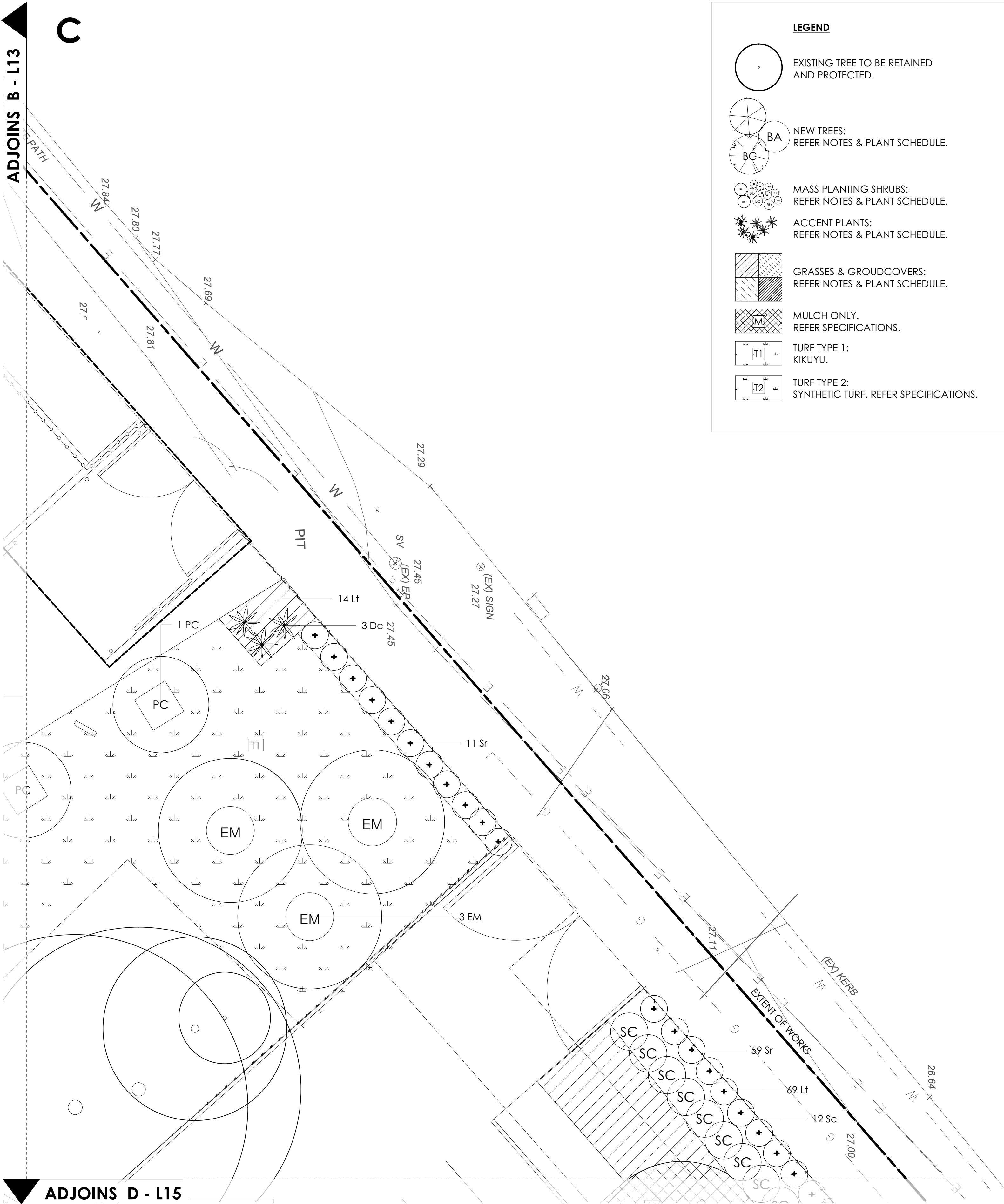
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Education

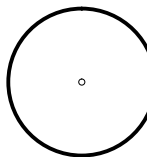
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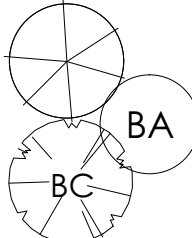
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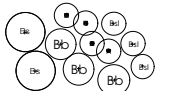
LEGEND



EXISTING TREE TO BE RETAINED AND PROTECTED.



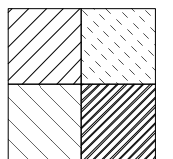
NEW TREES:
REFER NOTES & PLANT SCHEDULE.



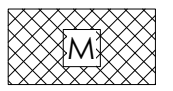
MASS PLANTING SHRUBS:
REFER NOTES & PLANT SCHEDULE.



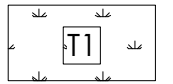
ACCENT PLANTS:
REFER NOTES & PLANT SCHEDULE.



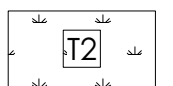
GRASSES & GROUDCOVERS:
REFER NOTES & PLANT SCHEDULE.



MULCH ONLY.
REFER SPECIFICATIONS.



TURF TYPE 1:
KIKUYU.



TURF TYPE 2:
SYNTHETIC TURF. REFER SPECIFICATIONS.

PLANT SCHEDULE							
ID	QTY	COMMON NAME	BOTANICAL NAME	POT SIZE	MATURE HEIGHT	MATURE SPREAD	COMMENTS
Trees							
AS	11	Dwarf Lillypilly	Acmena smithii 'Minor'	45 Litre	3 - 5m	3.5 - 6m	Aboriginal cultural plant - culinary.
BA	7	Lemon Scented Myrtle	Backhousia citriodora	45 Litre	10 - 15m	6 - 10m	
BC	13	Ivory Curl Tree	Buckinghamia celsissima	45 Litre	5 - 10m	3.5 - 6m	
ER	7	Blueberry Ash	Elaeocarpus reticulatus	45 Litre	5 - 10m	3.5 - 6m	
EM	19	Tallowood	Eucalyptus microcorys	45 Litre	25 - 30m	6 - 10m	
HF	11	Native frangipani	Hymenosporum flavum	45 Litre	10 - 15m	1.2 - 2.0m	
LC	4	Brush Box	Lophostemon confertus	75 Litre	20 - 25m	6 - 10m	
ME	8	Exmouth	Magnolia 'Exmouth'	100 Litre	20 - 25m	6 - 10m	
PC	5	Chanticleer Flowering Pear	Pyrus calleryana 'Chanticleer'	100 Litre	10 - 12m	3.5 - 5m	
SP	11	Pinnacle	Syzygium 'Pinnacle'	25 Litre	6 -10m	1.0 - 1.5m	
Shrubs							
Aa	106	Dwarf Lillypilly	Acmena 'Allyn Magic'	5 Litre	0.9 - 1m	0.7 - 0.8m	
As	10	Dwarf Woolly Bush	Adenanthos serceia 'Compact'	5 Litre	0.7 - 1.5m	1.0 - 1.5m	
Ac	23	Native Ginger	Alpinia caerulea 'Red Back'	5 Litre	1.0 - 2.0m	0.9 - 1.2m	Aboriginal cultural plant - spices.
Bb	27	Dwarf Banksia	Banksia 'Birthday Candles'	5 Litre	0.5 - 0.6m	1 - 1.2m	Cultivar of Aboriginal cultural plant - tools.
Bs	20	Hairpin Banksia	Banksia spinulosa	5 Litre	0.9 - 1.5m	0.9 - 1.2m	
Bi	3	Bungwahl Fern	Blechnum indicum	5 Litre	0.75 - 0.9m	0.3 - 0.6m	Aboriginal cultural plant - seeds.
Bsl	6	Water Fern	Blechnum 'Silver Lady'	5 Litre	0.75 - 0.9m	0.3 - 0.6m	Cultivar of Aboriginal cultural plant - seeds.
Cd	19	Dawson River Weeper	Callistemon 'Dawson River Weeper'	5 Litre	4 - 5m	3.0 - 4.0m	
Csf	21	Dwarf Bottlebrush	Callistemon 'Scarlett Flame'	5 Litre	0.6 - 1.5m	0.6 - 1.0m	
Cw	18	Dwarf Bottlebrush	Callistemon 'White Anzac'	5 Litre	0.9 - 1m	0.9 - 1.0m	
Cy	12	Sago Palm	Cycas revoluta	25 Litre	0.8 - 1.0m	0.9 - 1.1m	
Dv	3	Giant Hop Bush	Dodonaea viscosa	5 Litre	1.5 - 3m	2.0 - 3.5m	Aboriginal cultural plant - medicinal.
De	77	Gymea Lily	Doryanthes excelsa	25 Litre	1.5 - 3m	1.2 - 2.0m	Aboriginal cultural plant - seeds.
Ma	23	Burrawang	Macrozamia communis	25 Litre	1.5 - 3m	2.0 - 3.5m	Aboriginal cultural plant.
Mea	9	Native mint	Mentha australis	2.5 Litre	0.6 - 0.75m	0.0 - 0.3m	Aboriginal cultural plant - spices.
Pr	7	Round-leaved Mint Bush	Prostanthera rotundifolia	5 Litre	1.5 - 2.5m	1.2 - 1.5m	Aboriginal cultural plant - medicinal.
Sc	31	Cascade	Syzygium 'Cascade'	5 Litre	2.5 - 3.5m	1 - 1.5m	
Sr	102	Royal Flame	Syzygium 'Royal Flame'	5 Litre	1.0 - 1.5m	1.0 - 1.5m	
Wz	3	Dwarf Coastal Rosemary	Westringia 'Zena'	5 Litre	0.8 - 1m	0.8 - 1m	
Xr	6	Small Grass Tree	Xanthorrhoea resinosa	25 Litre	1.5 - 3m	0.9 - 1.2m	Aboriginal cultural plant - tools.
Ground Covers							
Aja	68	Austral Bugle	Ajuga australis	2.5 Litre	0.0 - 0.3m	0.6 - 0.9m	Aboriginal cultural plant - medicinal.
Cg	323	Pigface	Carpobrotus glaucescens	2.5 Litre	0.0 - 0.3m	1.2 - 2.0m	Aboriginal cultural plant - fruit.
Dsf	244	Silver Dichondra	Dichondra 'Silver Falls'	2.5 Litre	0.0 - 0.3m	0.9 - 1.2m	
Go	29	Ivy Goodenia	Goodenia ovata 'Prostrate'	2.5 Litre	0.1-0.2m	1 - 2m	
Gb	0	Bronze Rambler	Grevillea 'Bronze Rambler'	2.5 Litre	0.1 - 1.0m	2.0 - 3.0m	
Gr	69	Cherry Cluste	Grevillea 'Cherry Cluster'	2.5 Litre	0.3 - 0.5m	0.7 - 0.8m	
Ggc	97	Gold Cluster	Grevillea 'Gold Cluster'	2.5 Litre	0.3 - 0.4m	0.8 - 1.0m	
Gj	8	Groundcover Grevillea	Grevillea juniperina 'Yellow'	2.5 Litre	0.3 - 0.5m	0.7 - 0.8m	
Gn	59	Groundcover Grevillea	Grevillea 'New Blood'	2.5 Litre	0.0 - 0.25m	1.0 - 1.5m	3 per m
Gpm	7	Pink Midget	Grevillea 'Pink Midget'	2.5 Litre	0.5 - 0.6m	0.8 - 1.0m	
My	100	Spreading Myoporum	Myoporum parvifolium	2.5 Litre	Groundcover	1 - 2m	
Rh	26	Wrinkled Keraawang	Rulingia hermanniifolia	2.5 Litre	0.0 - 0.3m	0.9 - 1.2m	
Vh	73	Native Violet	Viola hederacea	2.5 Litre	0.0 - 0.3m	1.2 - 2.0m	
Wm	25	Groundcover Coastal Rosemary	Westringia 'Mundi'	2.5 Litre	0.3 - 0.4m	1.0 - 1.5m	
Grasses							
Dc	17	Blue Flax-lily	Dianella caerulea	2.5 Litre	0.45 - 0.6m	0.3 - 0.6m	
Lt	2125	Dwarf Mat Rush	Lomandra 'Tanika'	2.5 Litre	0.45 - 0.6m	0.6 - 0.9m	Cultivar of Aboriginal cultural plant - tools.
Perennials							
Bf	20	Green Silverbeet	Beta 'Fordhook Giant'	100mm	0.75 - 0.9m	0.9 - 1.2m	
Bev	24	Rainbow Silverbeet	Beta vulgaris	100mm	0.75 - 0.9m	0.9 - 1.2m	
Bo	6	Curly Kale	Brassica oleracea 'Dwarf Green Curled'	100mm	0.75 - 0.9m	0.4 - 0.6m	
Cym	6	Lemongrass	Cymbopogon citratus	100mm	0.9 - 1.5m	0.9 - 1.2m	
Mv	16	Common Mint	Mentha viridis	100mm	0.3 - 0.5m	0.5 - 0.6m	
Ov	16	Oregano	Origanum vulgare	100mm	0.3 - 0.5m	0.5 - 0.6m	
Pc	21	Curly Parsley	Petroselinum 'Curly'	100mm	0.3 - 0.5m	0.5 - 0.6m	
Ro	6	Rosemary	Rosmarinus officinalis	100mm	1.5 -2m	1.0 - 1.5m	
Tc	4	Lemon Thyme	Thymus x citriodorus	100mm	0.0 - 0.3m	0.3 - 0.6m	

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Public Works

Education

PROJECT:

HUNTER SPORTS HIGH SCHOOL
MAJOR CAPITAL WORKS UPGRADE

CLIENT:

NSW GOVERNMENT PUBLIC WORKS
NSW GOVERNMENT EDUCATION

address: 412 king street newcastle nsw 2300

ph: 49 294 926

SITE:

PACIFIC HIGHWAY
GATESHEAD, 2290

DRAWING:

SOFTWARES PLAN C

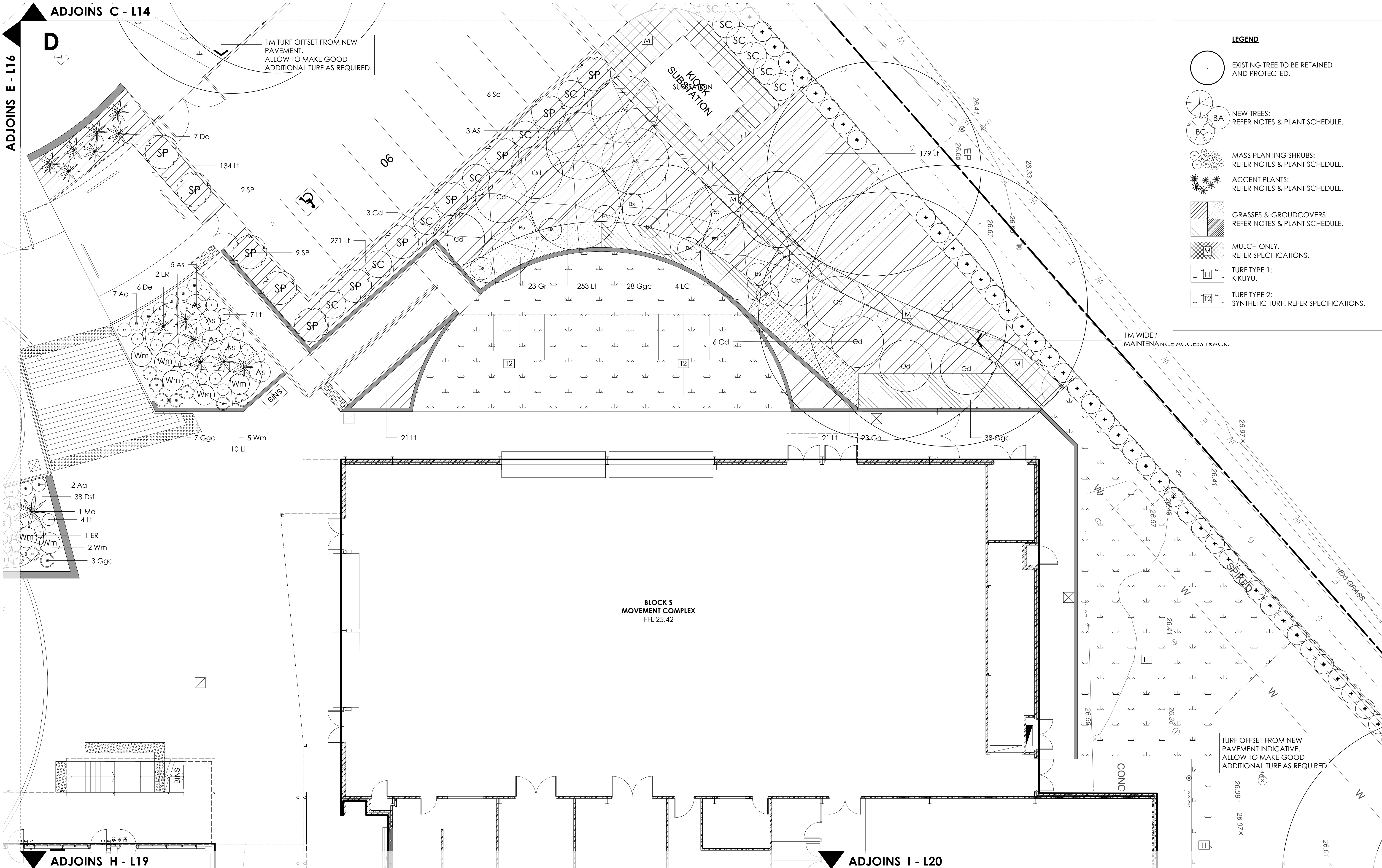
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drawn: KM	scale: 1: 100 @ A1	no in set: 14 / 23	date: 03.03.16
phase: WD	project no: 11029.5 contract no: WS692136689	DWG no: L14	revision no: 02



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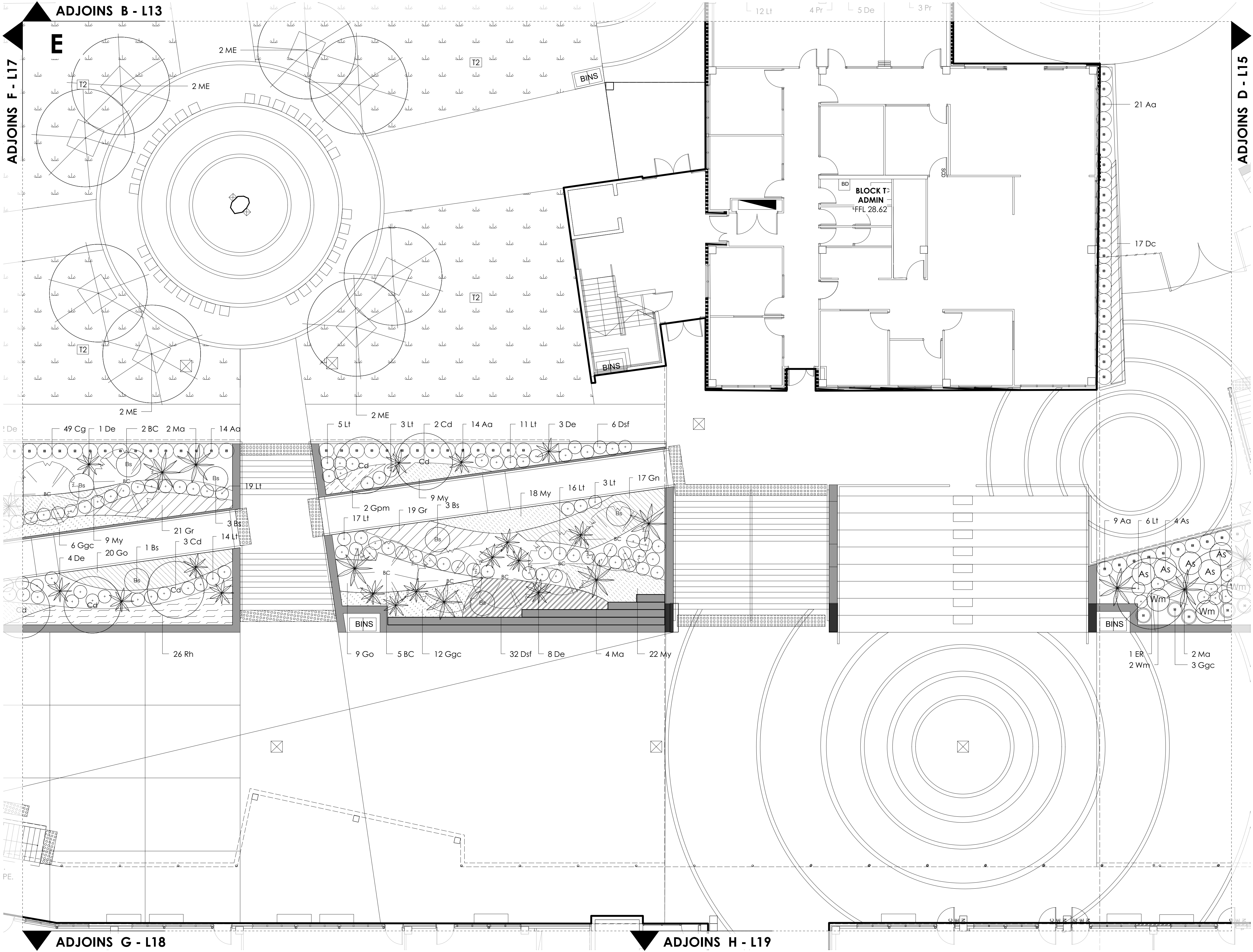
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Education

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MAJOR CAPITAL WORKS UPGRADE
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drawn: KM	scale: 1: 100 @ A1	no in set: 15 / 23	date: 03.03.16
phase: WD	project no: 11029.5 contract no: WS692136689	DWG no: L15	revision no: 02



LEGEND

- EXISTING TREE TO BE RETAINED AND PROTECTED.
- NEW TREES: REFER NOTES & PLANT SCHEDULE.
- MASS PLANTING SHRUBS: REFER NOTES & PLANT SCHEDULE.
- ACCENT PLANTS: REFER NOTES & PLANT SCHEDULE.
- GRASSES & GROUDCOVERS: REFER NOTES & PLANT SCHEDULE.
- MULCH ONLY. REFER SPECIFICATIONS.
- TURF TYPE 1: KIKUYU.
- TURF TYPE 2: SYNTHETIC TURF. REFER SPECIFICATIONS.

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00	18.04.16	TENDER ISSUE	KM	SR
rev no:	date:	comments:	by:	verified:

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Public Works
Education

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HUNTER SPORTS HIGH SCHOOL
MAJOR CAPITAL WORKS UPGRADE
CLIENT:
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NSW GOVERNMENT EDUCATION
address: 412 king street newcastle nsw 2300 ph: 49 294 926

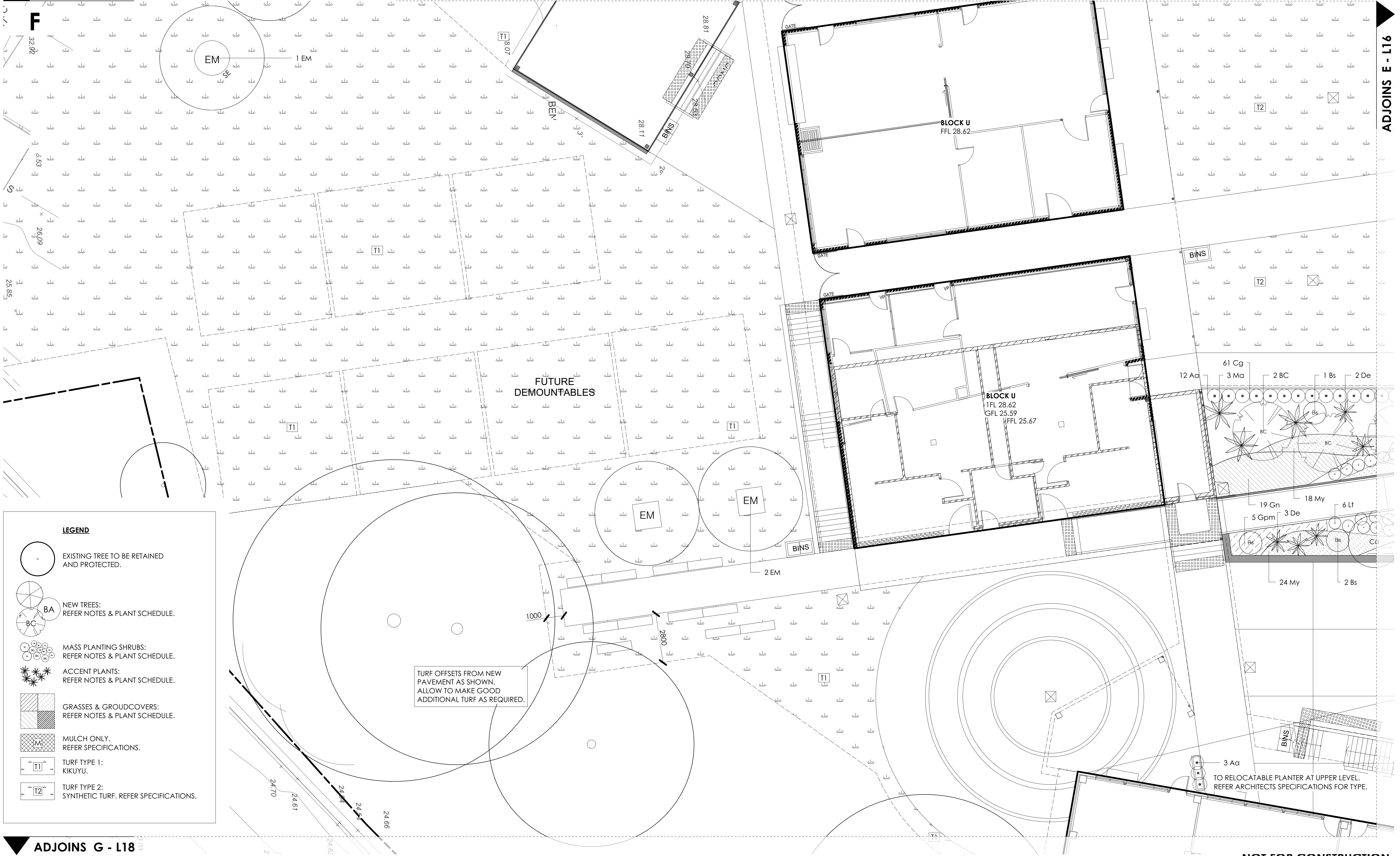
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WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO ORDERING MATERIALS OR COMPLETION OF WORKSHOP DRAWINGS.			
drawn: KM	scale: 1: 100 @ A1	no in set: 16 / 23	date: 03.03.16
phase: WD	project no: 11029.5 contract no: WS692136689	DWG no: L16	revision no: 02

ADJOINS A - L12



ADJOINS G - L18

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Public Works
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CLIENT:
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NSW GOVERNMENT EDUCATION
address: 412 king street newcastle nsw 2300 ph: 49 294 926

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WORK TO FIGURED DIMENSIONS IN REFERENCE TO SCALE. CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO ORDERING MATERIALS OR COMPLETION OF WORKSHOP DRAWINGS.			
drawn: KM	scale: 1: 100 @ A1	no in set: 17 / 23	date: 03.03.16
phase: WD	project no: 11029.5 contract no: WS692136689	DWG no: L17	revision no: 02

ADJOINS F - L17

G

ADJOINS H - L17

1M TURF OFFSET FROM NEW
PAVEMENT.
ALLOW TO MAKE GOOD
ADDITIONAL TURF AS REQUIRED.

BLOCK T
TAS WORKSHOPS
FFL 25.42

LEGEND

- EXISTING TREE TO BE RETAINED AND PROTECTED.
- NEW TREES:
REFER NOTES & PLANT SCHEDULE.
- MASS PLANTING SHRUBS:
REFER NOTES & PLANT SCHEDULE.
- ACCENT PLANTS:
REFER NOTES & PLANT SCHEDULE.
- GRASSES & GROUDCOVERS:
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- MULCH ONLY.
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10 25mm		100mm		200mm		ON ORIGINAL A1			



Public Works

Education

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CLIENT:
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GATESHEAD, 2290
DRAWING:
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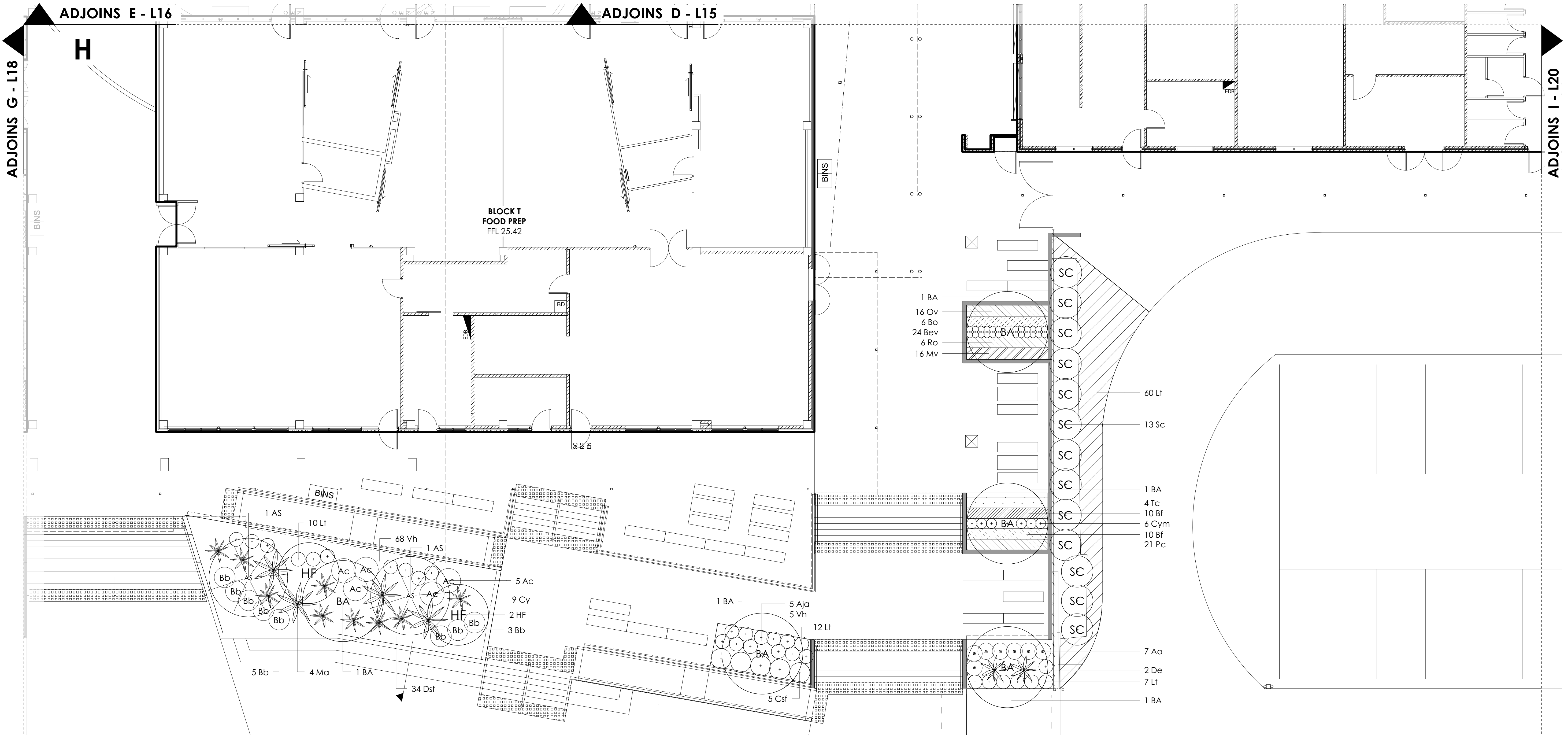
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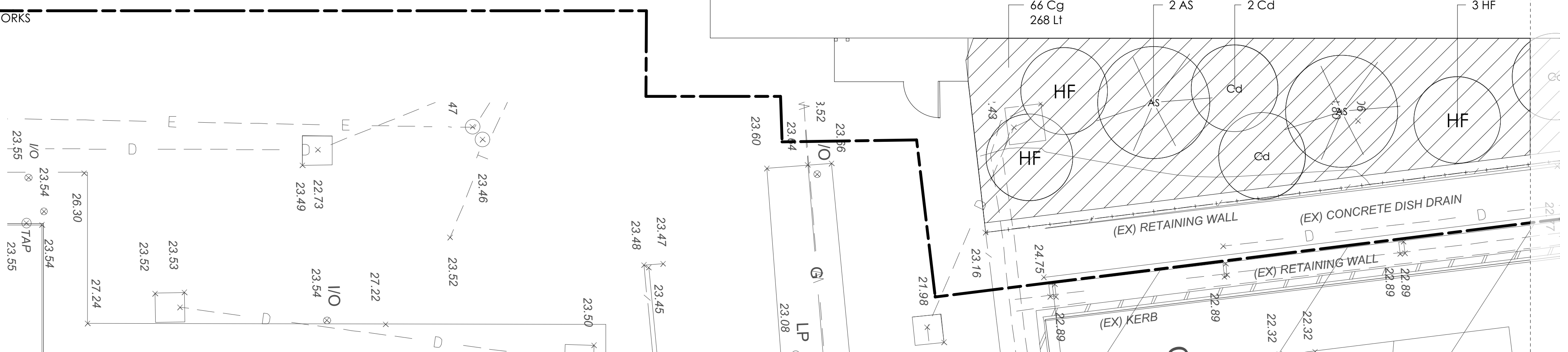
WORK TO FIGURED DIMENSIONS IN REFERENCE TO SCALE.
CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO ORDERING
MATERIALS OR COMPLETION OF WORKSHOP DRAWINGS.

drawn: KM	scale: 1: 100	no in set: 18 / 23	date: 03.03.16
phase: WD	project no: 11029.5 contract no: WS692136689	DWG no: L18	revision no: 02



LEGEND

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00	18.04.16	TENDER ISSUE	KM	SR

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HUNTER SPORTS HIGHSCHOOL

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Public Works

Education

PROJECT: HUNTER SPORTS HIGH SCHOOL MAJOR CAPITAL WORKS UPGRADE

CLIENT: NSW GOVERNMENT PUBLIC WORKS
NSW GOVERNMENT EDUCATION

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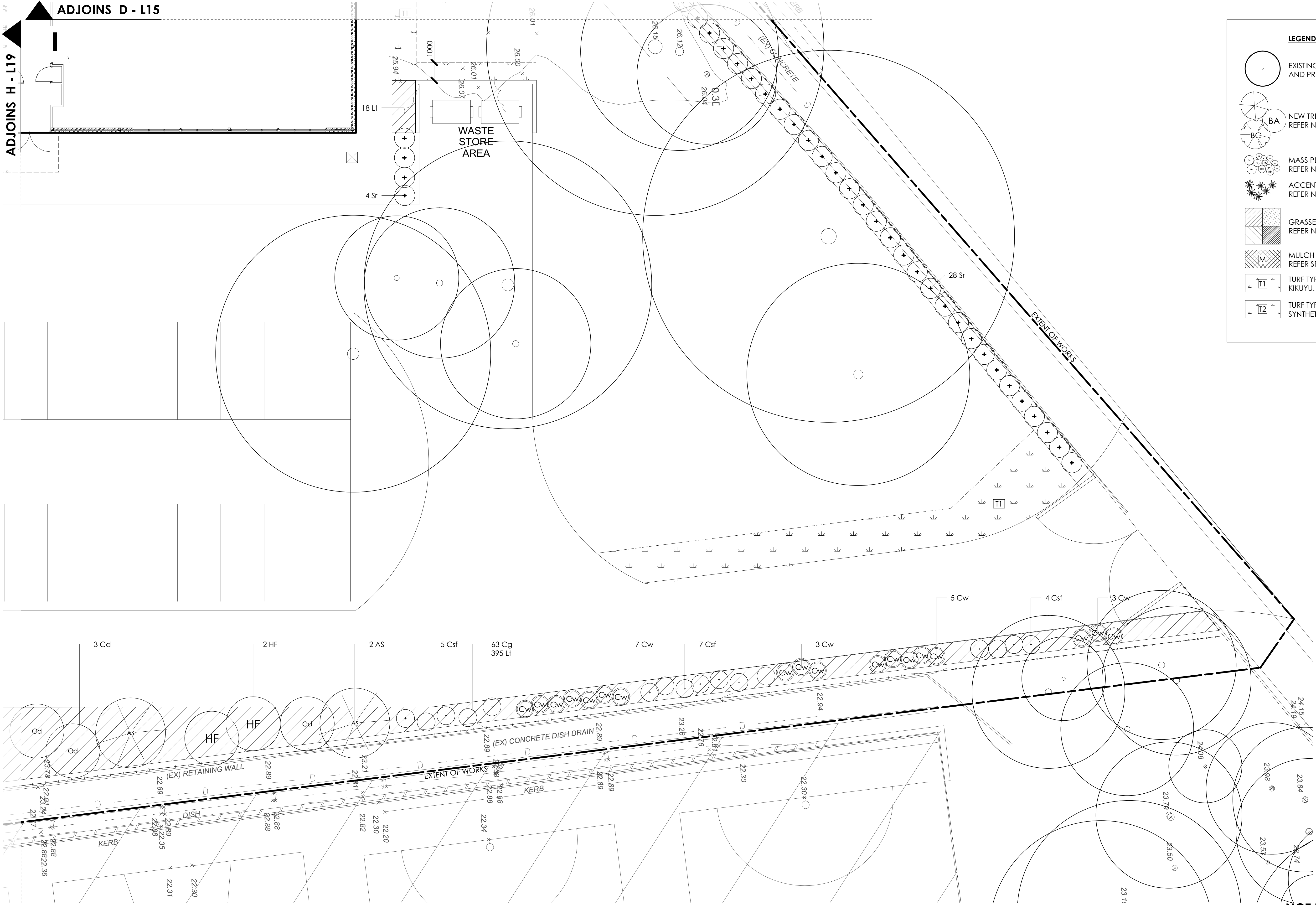
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landscape architects

NOT FOR CONSTRUCTION

WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO ORDERING MATERIALS OR COMPLETION OF WORKSHOP DRAWINGS.

drawn:	scale:	no in set:	date:
KM	1: 100	19 / 23	03.03.16
@ A1			

phase:	project no:	DWG no:	revision no:
WD	11029.5	L19	02
contract no: WS692136689			



LEGEND

EXISTING TREE TO BE RETAINED AND PROTECTED.

NEW TREES:
REFER NOTES & PLANT SCHEDULE.

MASS PLANTING SHRUBS:
REFER NOTES & PLANT SCHEDULE.

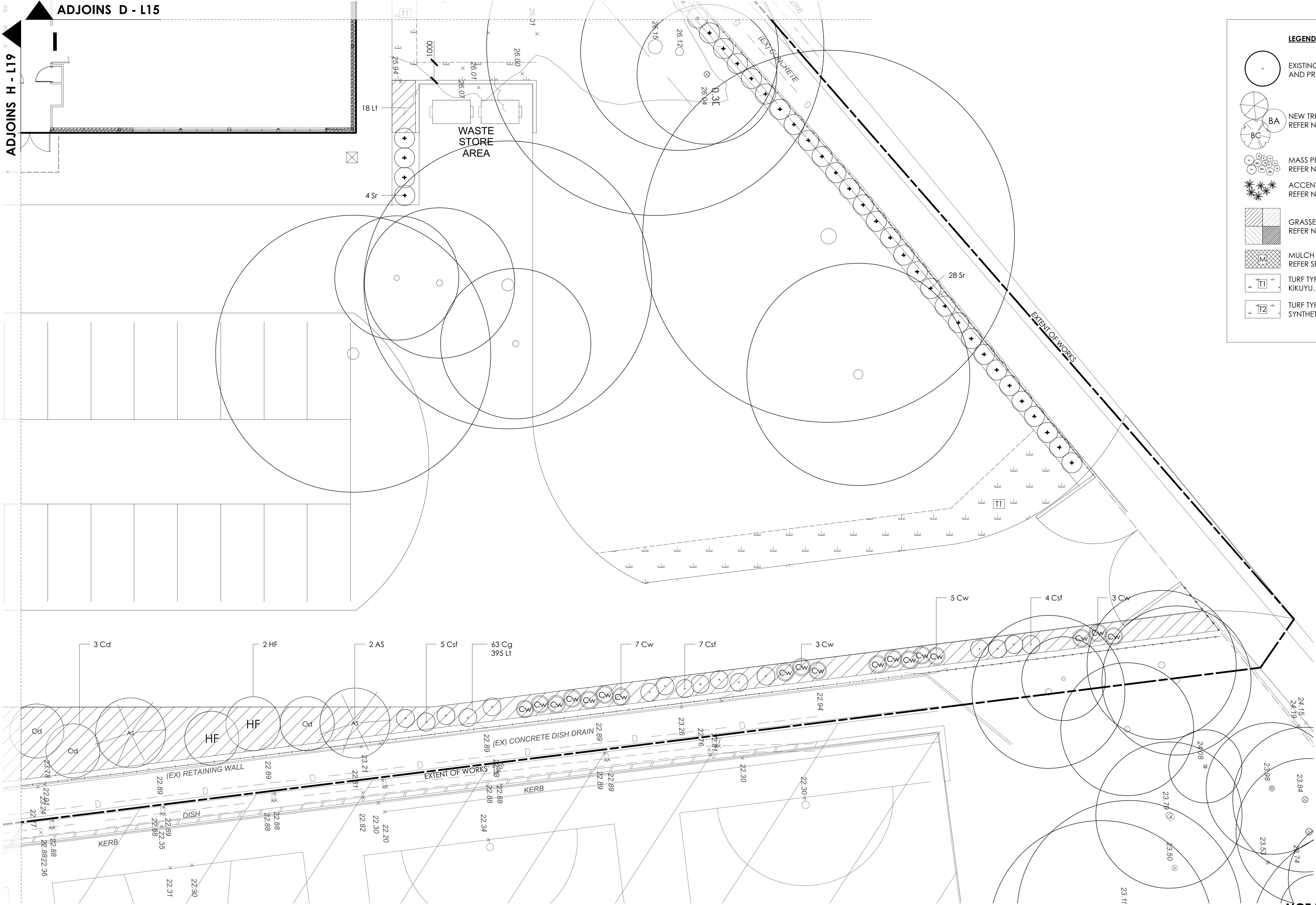
ACCENT PLANTS:
REFER NOTES & PLANT SCHEDULE.

GRASSES & GROUDCOVERS:
REFER NOTES & PLANT SCHEDULE.

MULCH ONLY.
REFER SPECIFICATIONS.

TURF TYPE 1:
KIKUYU.

TURF TYPE 2:
SYNTHETIC TURF. REFER SPECIFICATIONS.



LEGEND

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10 20mm

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00	18.04.16	TENDER ISSUE	KM	SR
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HUNTER SPORTS
HUNTER HIGH SCHOOL

NSW GOVERNMENT

Public Works
Education

PROJECT:
HUNTER SPORTS HIGH SCHOOL
MAJOR CAPITAL WORKS UPGRADE
CLIENT:
NSW GOVERNMENT PUBLIC WORKS
NSW GOVERNMENT EDUCATION
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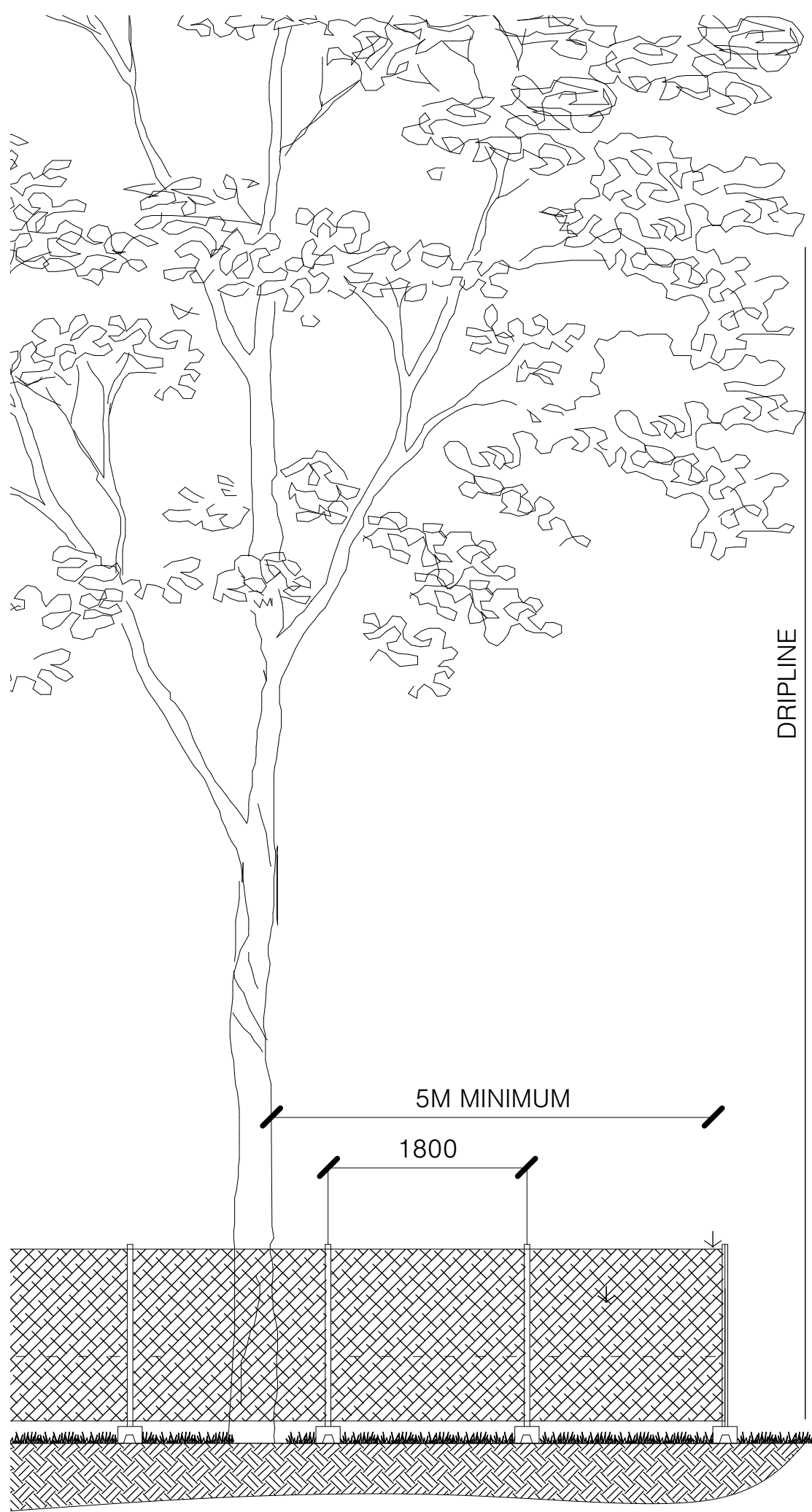
SITE:
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GATESHEAD, 2290
DRAWING:
SOFTWARES PLAN I
fax: 49 263 069 www.terras.com.au



NOT FOR CONSTRUCTION

WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALE.
CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO ORDERING
MATERIALS OR COMPLETION OF WORKSHOP DRAWINGS.

drawn:	scale:	no in set:	date:
KM	1: 100 @ A1	20 / 23	03.03.16
phase:	project no:	DWG no:	revision no:
WD	11029.5 contract no: WS692136689	L20	02



INSTALL PROTECTIVE FENCING AROUND ALL TREES TO BE RETAINED WITHIN THE CONSTRUCTION ZONE A MINIMUM OF 4M FROM THE TRUNK OR AS INDICATED BY ARBORIST.

FENCING TO BE FREE STANDING TEMPORARY CONSTRUCTION FENCING.

CLEARLY LEGIBLE SIGNAGE TO BE ATTACHED AT EYE LEVEL EVERY 10 METRES, READS "NO VEHICLES OR STOCKPILES INSIDE TPZ. NO UNAUTHORISED PERSONS". MINIMUM 4 SIGNS.

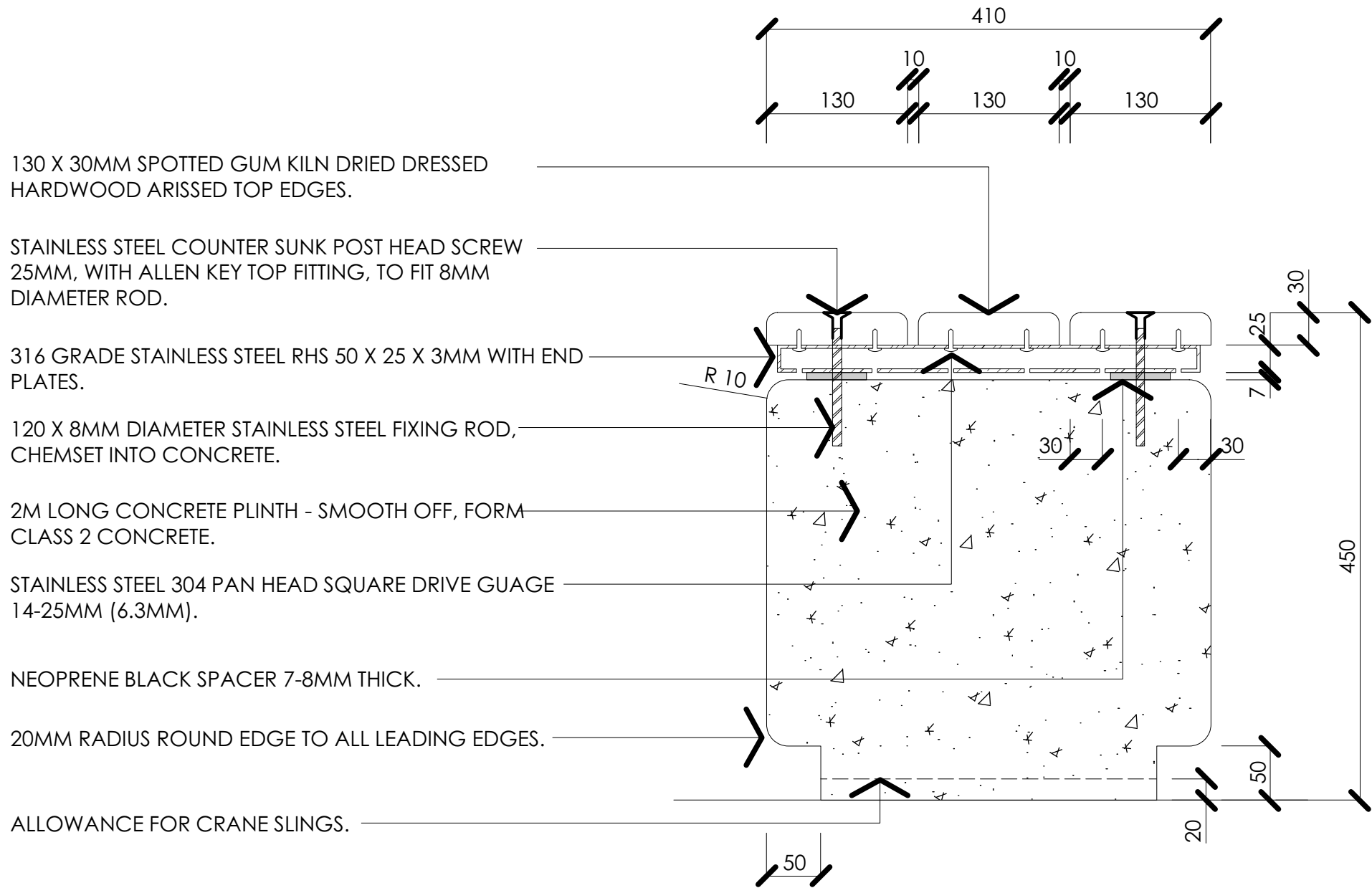
NOTES:

TREE PROTECTIVE FENCING SHALL BE IN PLACE BEFORE ANY OTHER SITE WORK IS UNDERTAKEN. FENCE MUST BE STRONG AND VISIBLE. POST NOTICES TO KEEP MACHINERY, VEHICLES AND PEOPLE OUT.

NO MATERIAL STOCKPILES ARE TO BE STORED OR PLANT / MACHINERY TRAFFIC OR PARKING IS TO OCCUR WITHIN THE DRIPLINE OF RETAINED TREES.

BEFORE WORK BEGINS, THE RETAINED TREES SHALL BE INSPECTED BY A QUALIFIED ARBORIST AND ANY REQUIRED PRUNING OR ANCILLARY WORK CARRIED OUT.

D1 TEMPORARY PROTECTIVE FENCING (TPF)
Typical Detail Scale 1:50



D5 CONCRETE BENCH SEAT (S1)
Typical Detail Scale 1:5

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02	23.05.16	TENDER ISSUE		KM	SR
01	04.05.16	REVISED TENDER		KM	SR
00	18.04.16	TENDER ISSUE		KM	SR
rev no:	date:	comments:		by:	verified:



Public Works

Education

PROJECT:

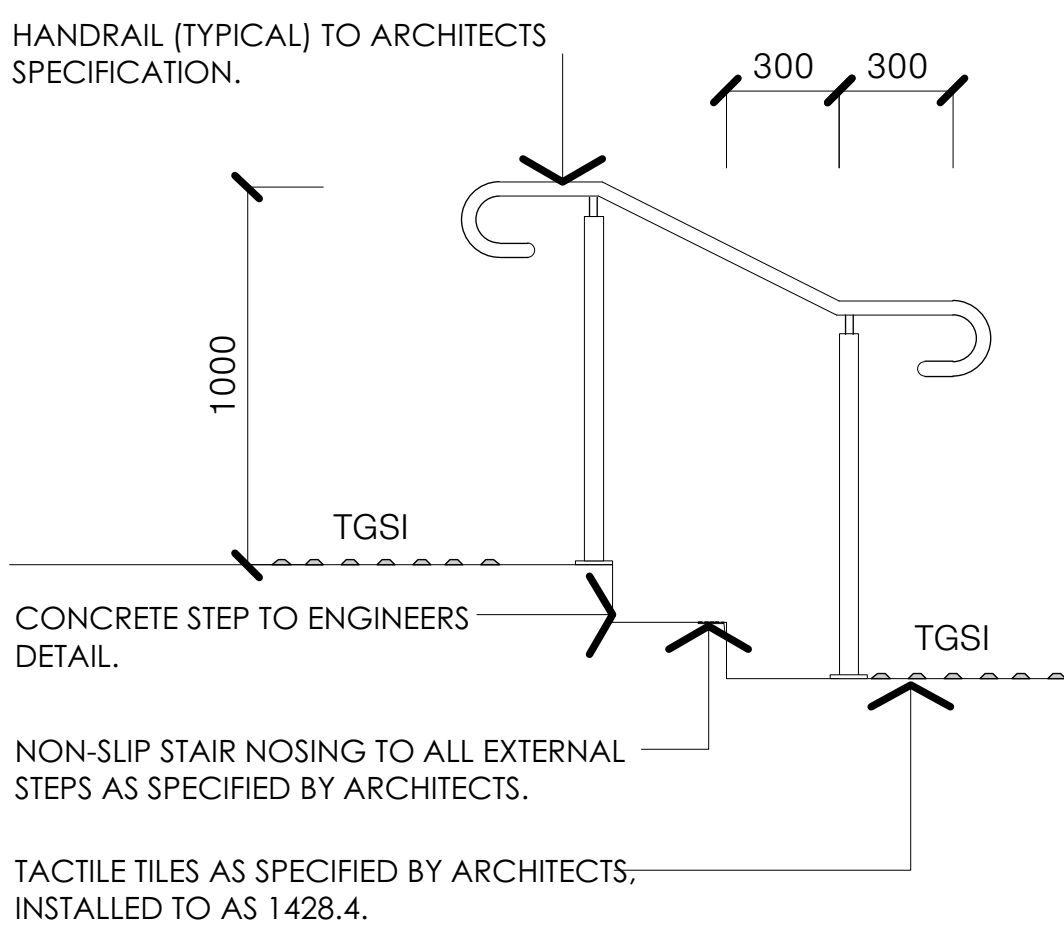
HUNTER SPORTS HIGH SCHOOL
MAJOR CAPITAL WORKS UPGRADE
CLIENT:
NSW GOVERNMENT PUBLIC WORKS
NSW GOVERNMENT EDUCATION

address: 412 king street newcastle nsw 2300 ph: 49 294 926

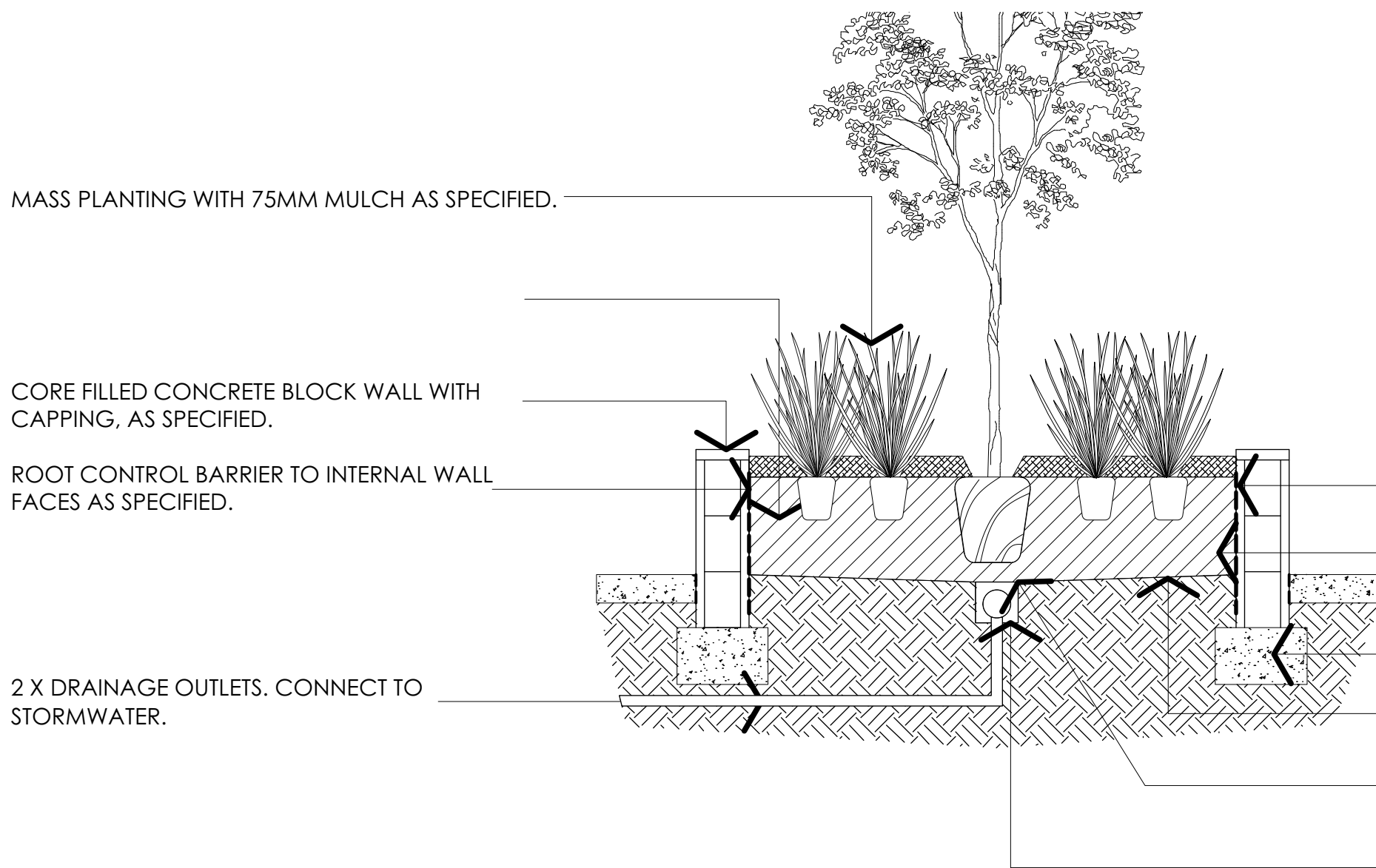
SITE:

PACIFIC HIGHWAY
GATESHEAD, 2290
DRAWING:
DETAILS 1

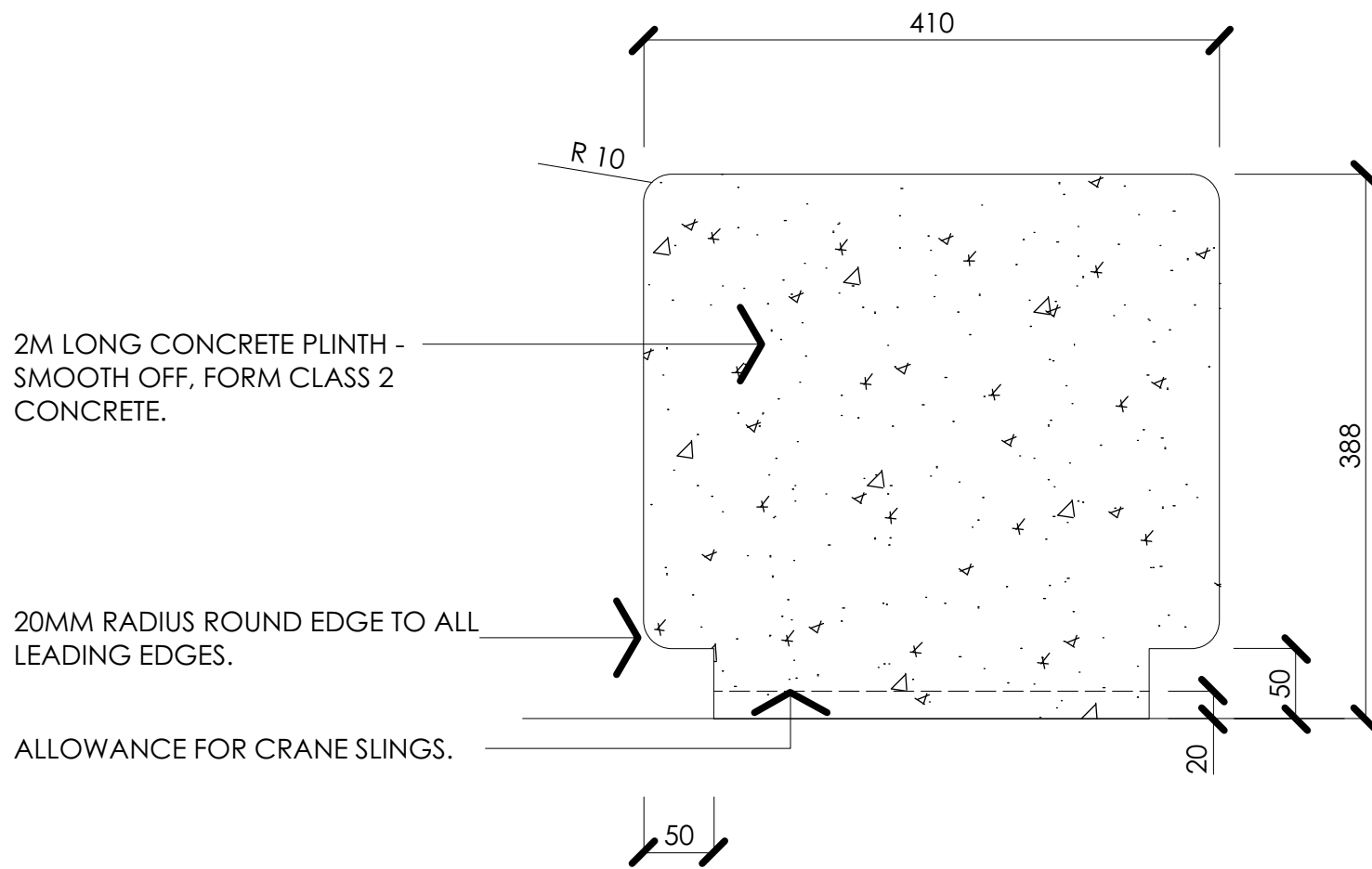
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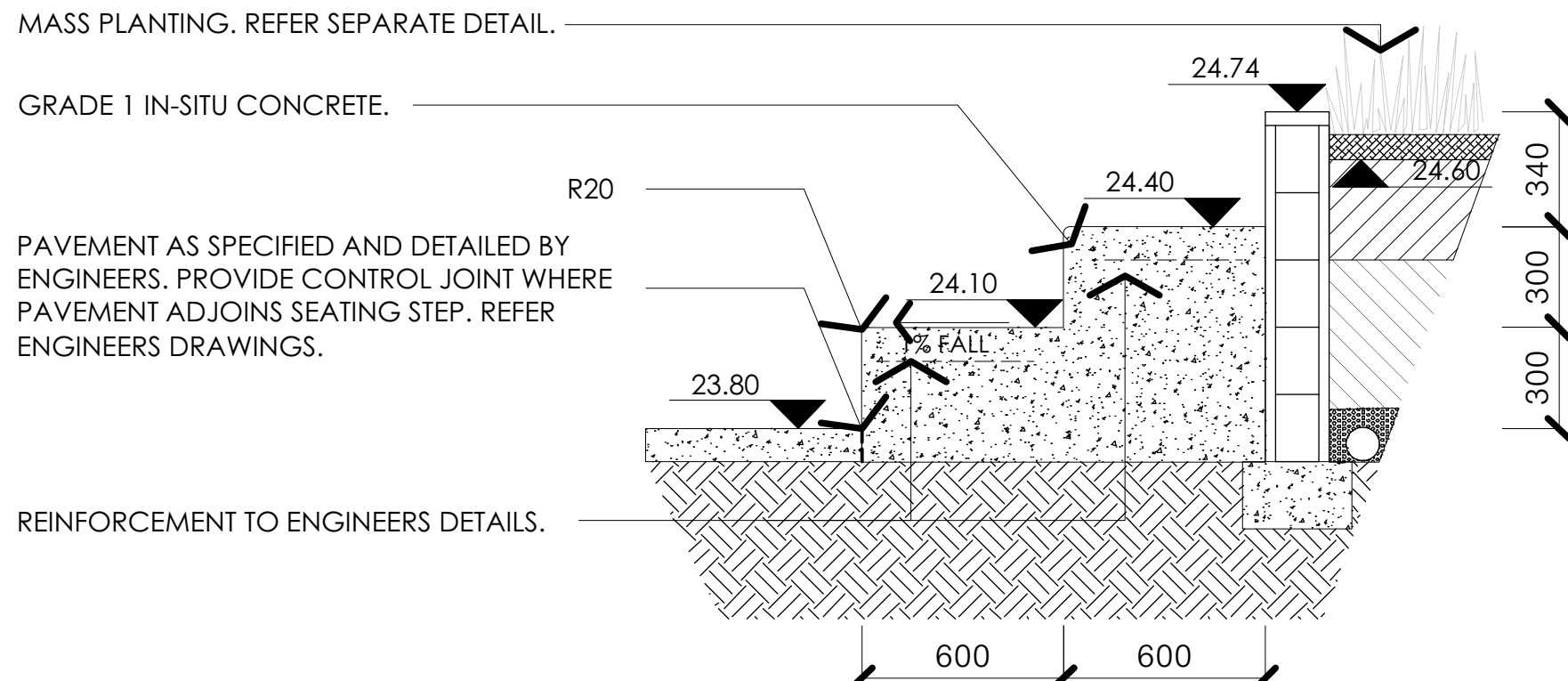
D2 STEP
Typical Detail Scale 1:20



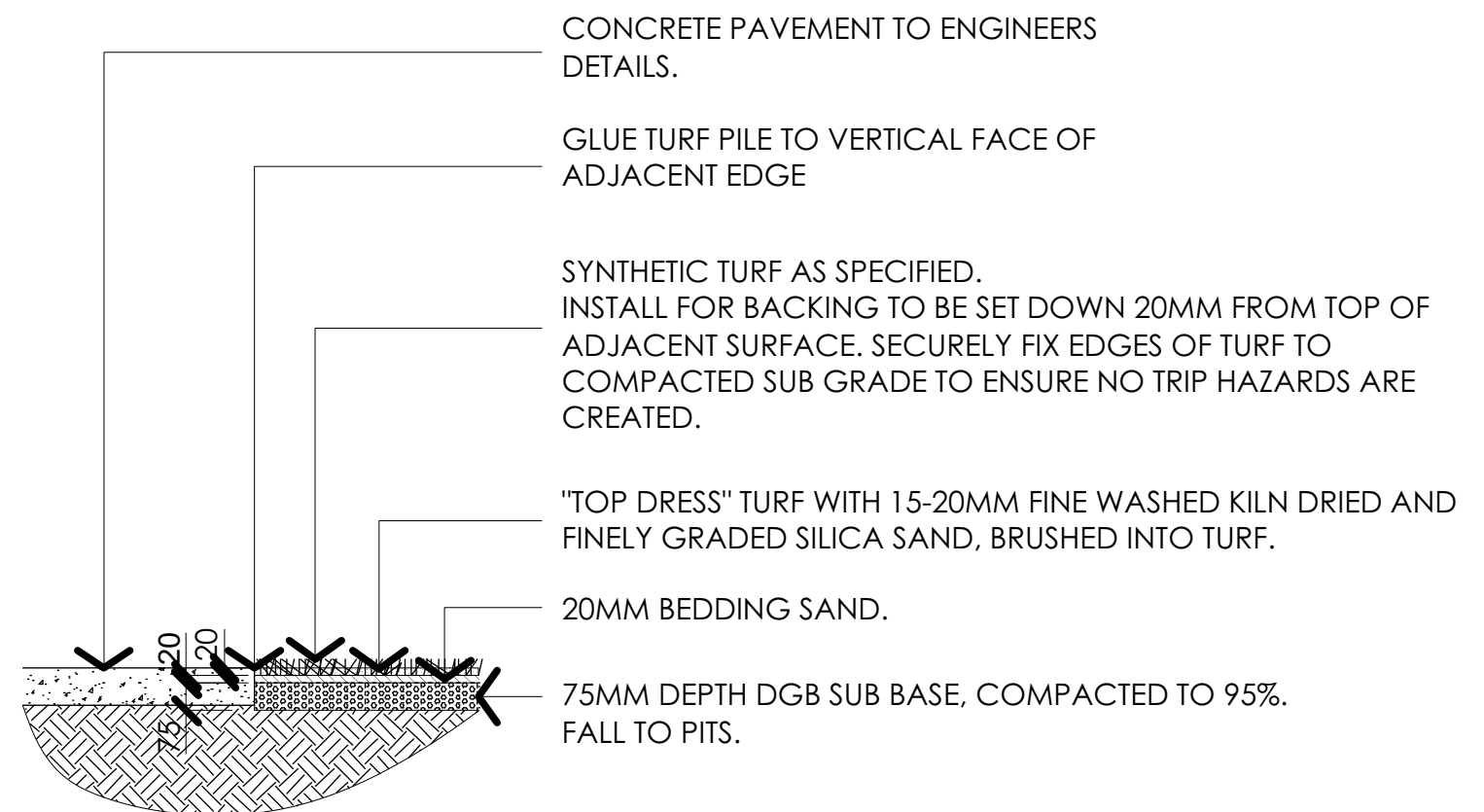
D4 PLANTER BOX (PL)
Typical Section Scale 1:20



D6 CONCRETE TABLE (T1)
Typical Detail Scale 1:5



D3 CONCRETE SEATING STEP (SST) - SECTION A
Typical Detail Scale 1:20

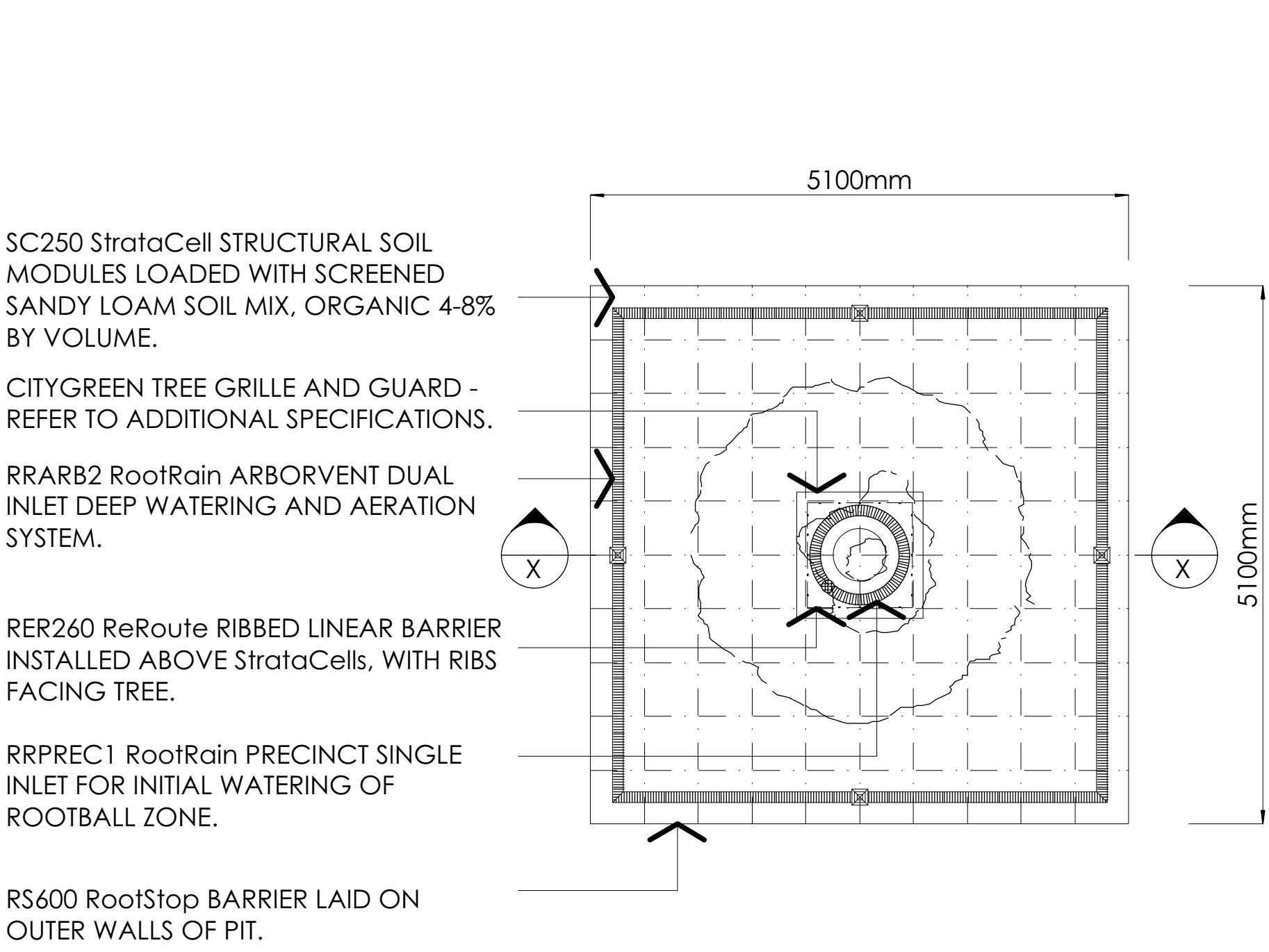


D7 SYNTHETIC TURF (T2)
Typical Detail Scale 1:20

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WORK TO FIGURED DIMENSIONS IN PREFERENCE TO SCALE. CHECK DIMENSIONS, LEVELS ON SITE PRIOR TO ORDERING MATERIALS OR COMPLETION OF WORKSHOP DRAWINGS.			
drawn: KM	scale: NOTED @ A1	no in set: 21 / 23	date: 03.03.16
phase: WD	project no: 11029.5 contract no: WS692136689	DWG no: L21	revision no: 02





D8 TREE PIT (TP) - IN PAVEMENT
Plan Scale 1:50

INSTALLATION/EXCAVATION TIPS

- 1.ADD 5% TO OUTER PLAN DIMENSIONS WHEN EXCAVATING PIT.
- 2.ALWAYS CHECK PIT DIMENSIONS AT BASE OF PIT, ENSURING SIDES ARE CLEAN AND SQUARE.
- 3.LEVEL AND SCREED DRAINAGE LAYER PRIOR TO PLACEMENT OF CELLS.

TREE GRATE - REFER SPECIFICATIONS.

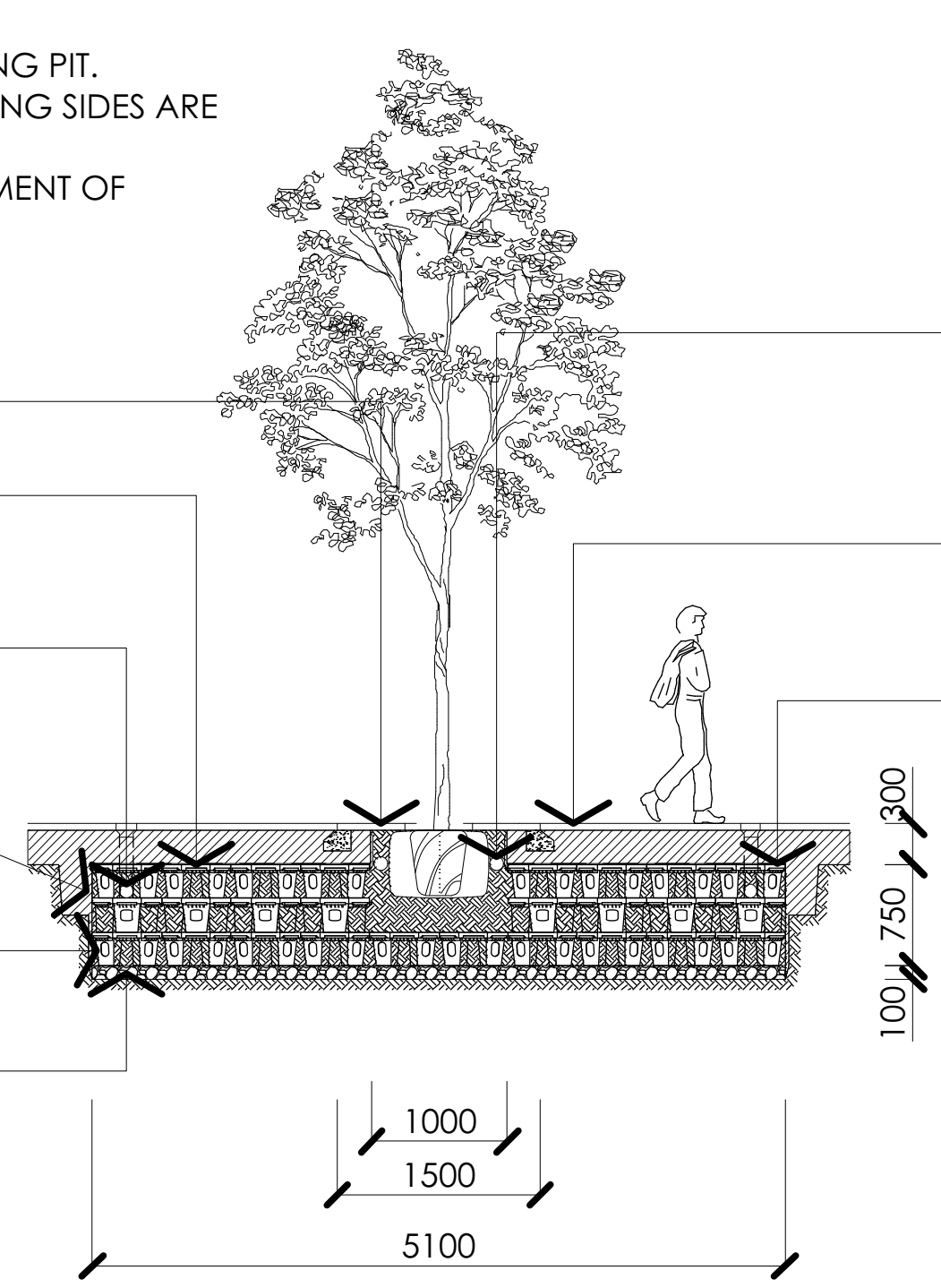
RER260 ReRoute RIBBED LINEAR BARRIER INSTALLED ABOVE StrataCells, WITH RIBS FACING TREE.

RRARB2 RootRain ARBORVENT DUAL INLET DEEP WATERING AND AERATION SYSTEM.

RS600 RootStop BARRIER LAID ON OUTER WALLS OF PIT.

SC250 StrataCell STRUCTURAL SOIL MODULES LOADED WITH SCREENED SANDY LOAM SOIL MIX, ORGANIC 4-8% BY VOLUME.

100mm DRAINAGE LAYER.

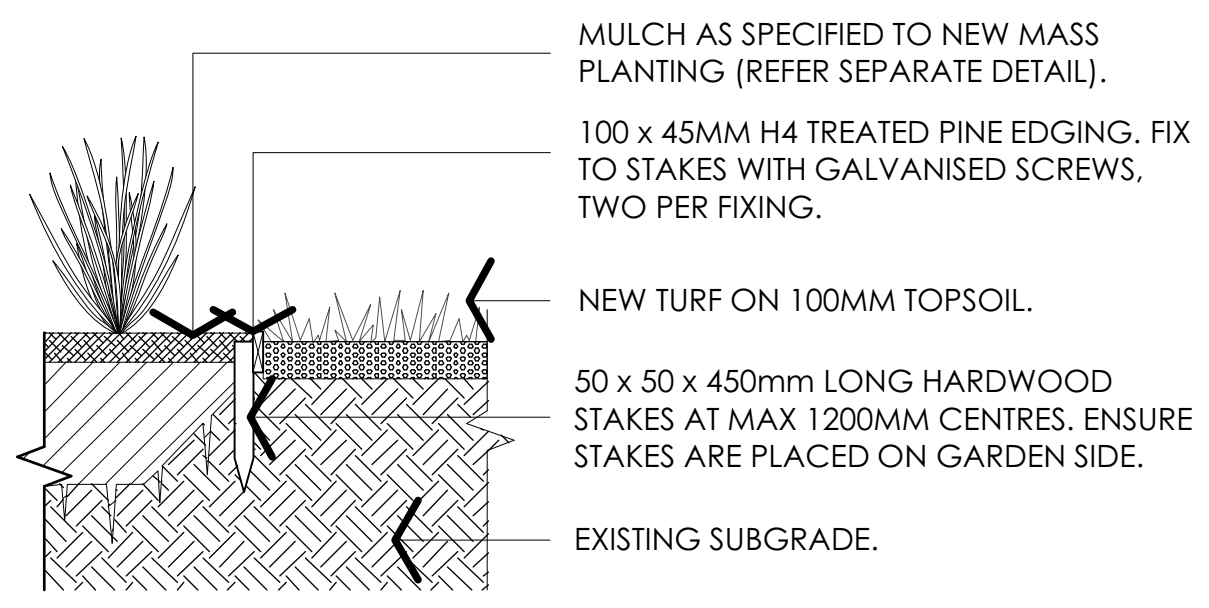


D9 TREE PIT (TP) - SECTION X
Section Scale 1:50

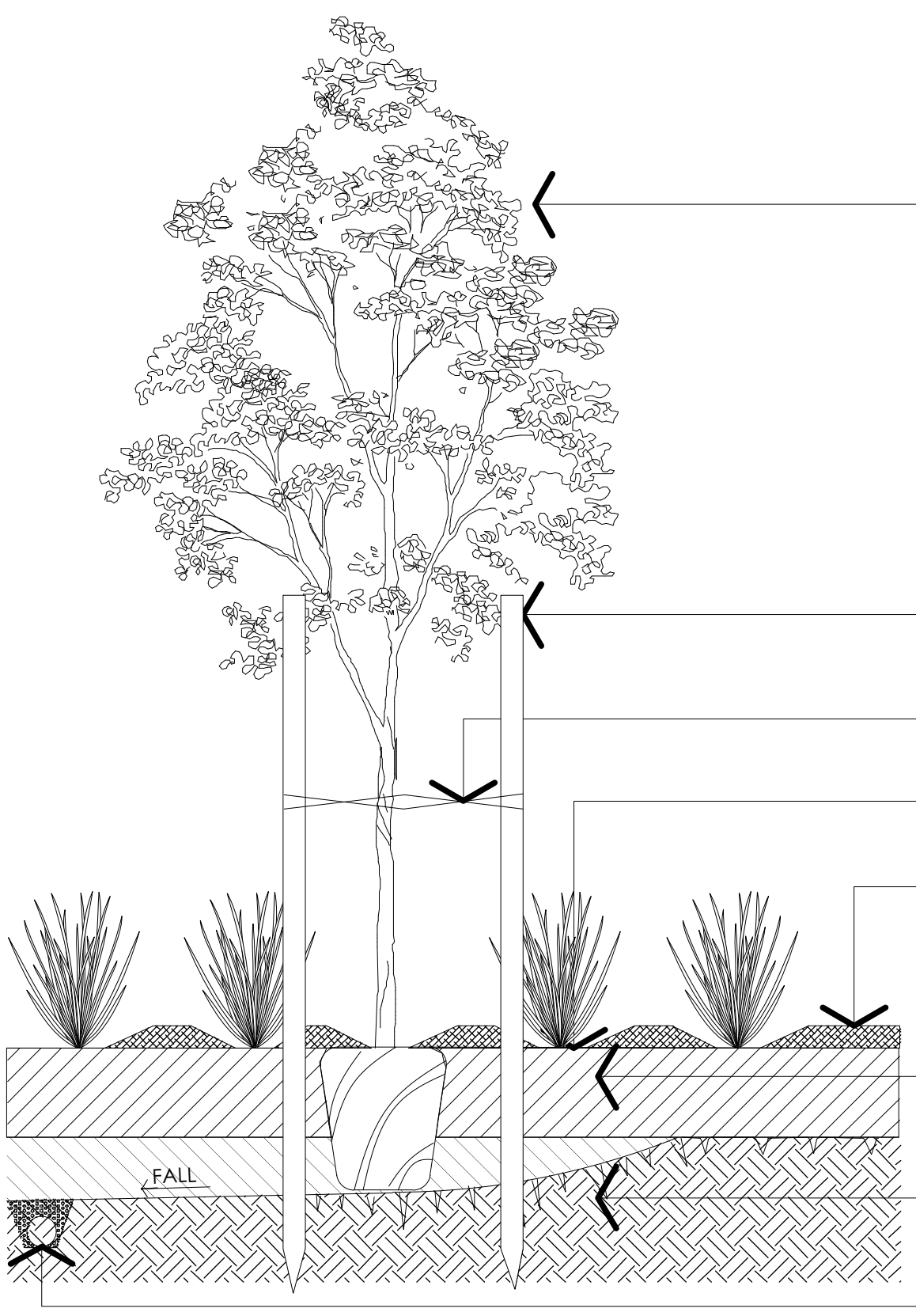
RRPREC1 RootRain PRECINCT SINGLE INLET FOR INITIAL WATERING OF ROOTBALL ZONE.

PAVEMENT DESIGN, AND BASE COURSE COMPACT LEVELS TO ENGINEER SPECIFICATIONS.

FilterGrid HEAVY GRADE NON-WOVEN FILTER FABRIC WITH REINFORCING GRID TO TOP SURFACE OF StrataCell MATRIX, AND FOLDED TO LINE OUTER EDGE OF MATRIX TO DEPTH OF 300mm.



D10 TURF (T1) AND TIMBER EDGE (TE)
Typical Detail Scale 1:20



SCHEDULED TREES TO MEET NATSPEC GUIDELINES AS PER SPECIFICATIONS. WRITTEN CERTIFICATION REQUIRED FROM PURCHASER PRIOR TO INSTALLATION.

PROVIDE 2 X 50 X 50 X 2400MM HARDWOOD STAKES. DRIVE INTO SOLID GROUND, ENSURING ROOT BALL IS NOT PENETRATED.

HESSIAN TIES IN FIGURE OF EIGHT PATTERN AFFIXED TO STAKES. ENSURE STEM MOVEMENT PERMITTED IN LIGHT WIND CONDITIONS.

TOP OF ROOTBALL LEVEL WITH TOP OF SOIL SURFACE.

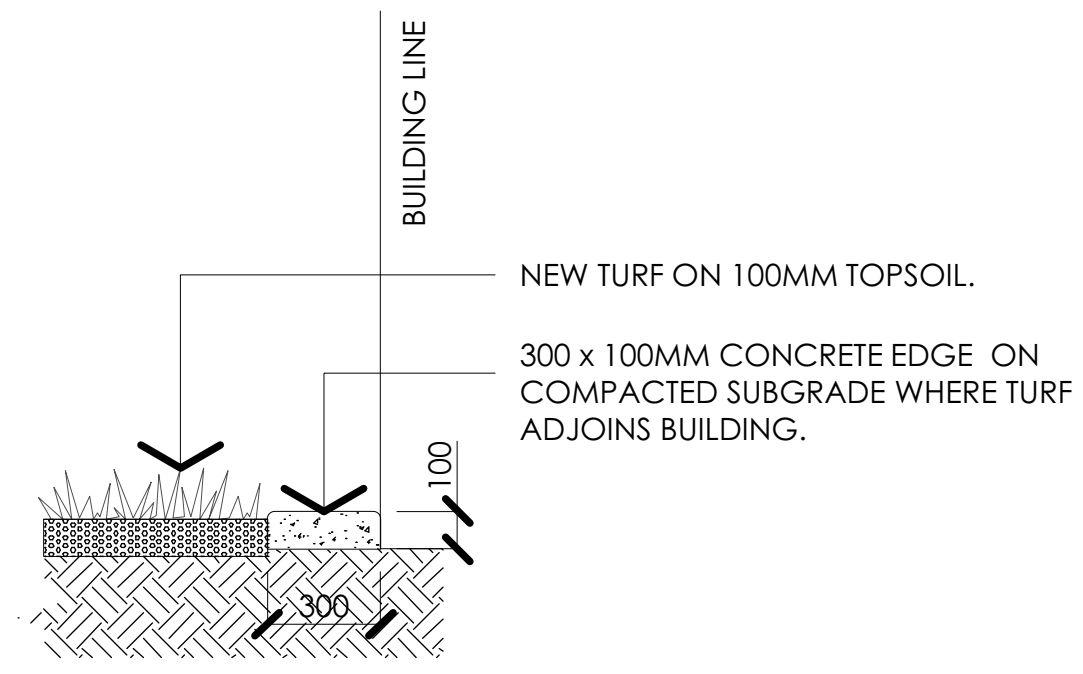
75MM MULCH AS SPECIFIED. ENSURE MULCH IS KEPT FREE OF TREE TRUNK.

EXCAVATE DEPTH OF ROOTBALL IN SCALLOPED AND FALL TO EXISTING SUB SURFACE DRAINAGE (IF PRESENT). CULTIVATE SUB GRADE AND BACKFILL WITH AMELIORATED SITE SOIL, AS PER SOIL TEST RECOMMENDATIONS, IF UNABLE TO ACHIEVE REQUIRED STANDARD, USE S1 PREMIUM GRADE GROWING MEDIA TO TOP 300MM AND S2 GENERAL PURPOSE GROWING MEDIA BELOW 300MM DEPTH.

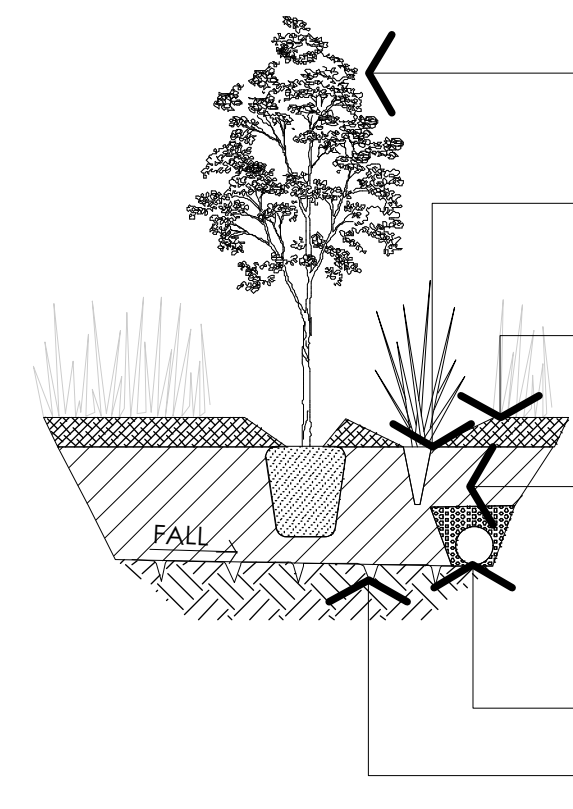
CULTIVATED SUBGRADE.

FALL SUBGRADE TO SUB SURFACE DRAINAGE.

D11 TREES IN MASS PLANTING
Typical Detail Scale 1:20



D12 CONCRETE EDGE (CE)
Typical Detail Scale 1:20



PLANTS TO BE HEALTHY AND VIGOROUS. TREES MUST HAVE SINGLE TERMINAL SHOOT (UNLESS DOCUMENTED TYPICAL OF PLANT TYPE). SHRUBS BUSHY IN CHARACTER AND NO INSECT DAMAGE FOUND ON PLANT. REFER NATSPEC PLANT GUIDELINES. CHECK PLANT FOR ROOT BINDING. REJECT WHERE UNACCEPTABLE ACCORDING TO NATSPEC.

FINISHED GROUND LEVEL. SET TOP OF PLANT ROOTBALL TO THIS LEVEL.

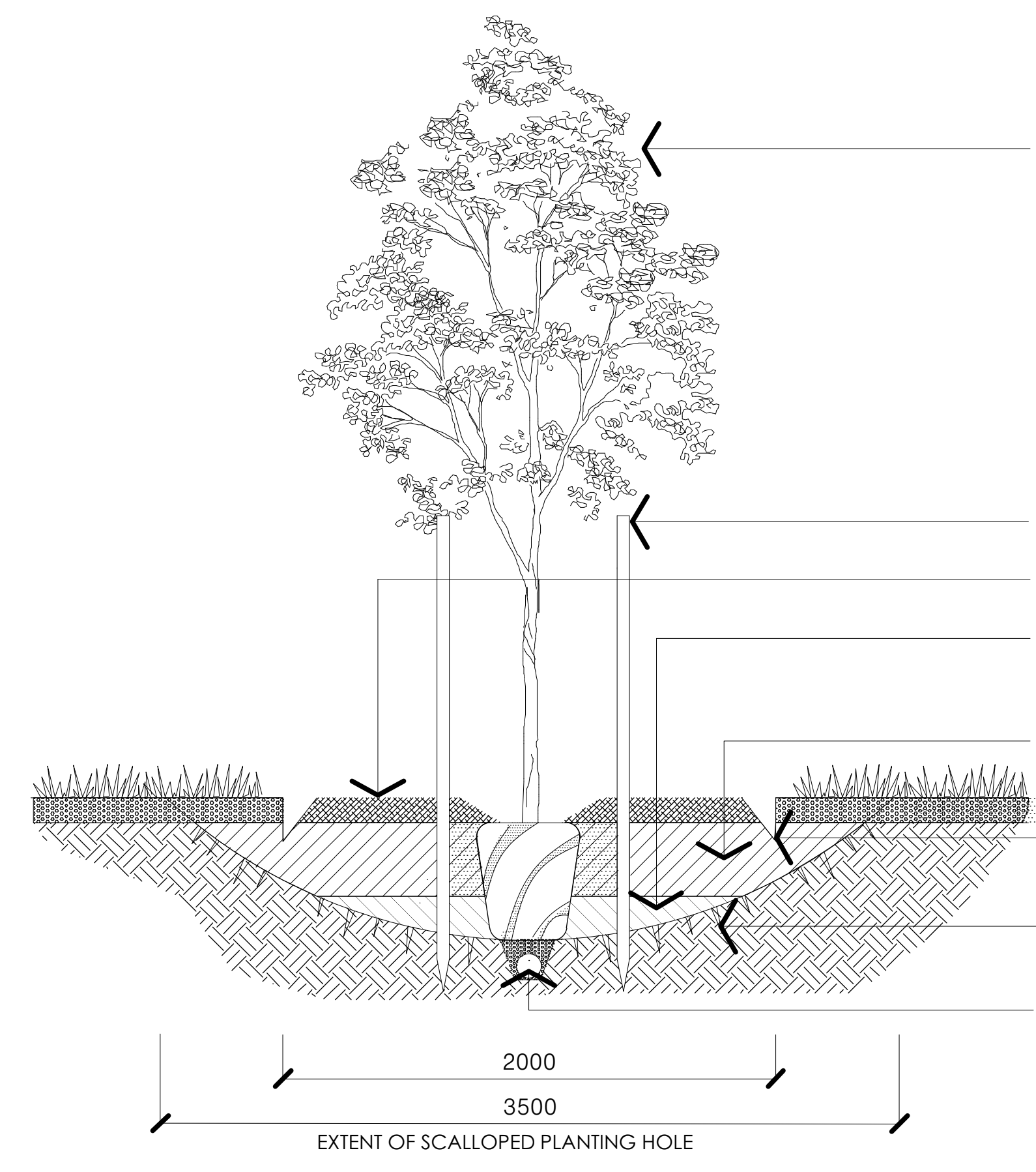
MULCH TO BE PLACED AROUND THE BASE OF PLANTS, DEPTH AS SPECIFIED. TO BE KEPT CLEAR FROM BASE OF TREES / SHRUBS TO PREVENT ROTTING. MULCH TO EXTENT OF ALL NEW MASS PLANTING, UNLESS OTHERWISE SPECIFIED.

BACKFILL TOP 300MM WITH AMELIORATED SITE SOIL. PROVIDE ADDITIVES AND FERTILISER TO BACKFILL MATERIAL AS RECOMMENDED IN SOIL TEST RESULTS OR USE S1 PREMIUM GRADE GROWING MEDIA IF UNABLE TO ACHIEVE ACCEPTABLE HORTICULTURAL GRADE.

FALL SUBGRADE TO SUB SURFACE DRAINAGE.

CULTIVATED SUBGRADE.

D13 MASS PLANTING
Typical Detail Scale 1:20



SCHEDULED TREES TO MEET NATSPEC GUIDELINES. WRITTEN CERTIFICATION REQUIRED FROM PURCHASER.

PROVIDE 2 X 2300 X 50MM SQ HARDWOOD STAKES DRIVEN 800MM DEEP INTO SOLID GROUND. DO NOT PENETRATE ROOT BALL. LOOSE 50MM HESSIAN TIE IN LOOSE FIGURE EIGHT CONFIGURATION, LOCATED TOWARDS BASE OF TRUNK. TIES TO ALLOW NORMAL MOVEMENT WHILST PROVIDING PROTECTION FROM PREVAILING CONDITIONS.

75MM MULCH AS SPECIFIED. KEEP CLEAR OF STEM.

IMPORTED GENERAL PURPOSE SOIL (S2) AS SPECIFIED TO AS 4419, DEPTH AS REQUIRED.

IMPORTED PREMIUM SOIL (S1) AS SPECIFIED TO AS 4419, TO 300MM DEPTH.

SPADE CUT EDGE IN TURF.

BREAK UP BASE OF PLANTING PIT. APPLY 200 GRAMS GYPSUM PER SQ M TO BASE OF PIT. EXCAVATE TREE PIT NO DEEPER THAN HEIGHT OF ROOTBALL.

SUB SURFACE DRAINAGE. CONNECT TO STORMWATER.

D14 TREES IN TURF WITH SPADE EDGE (SE)
Typical Detail Scale 1:20

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Public Works

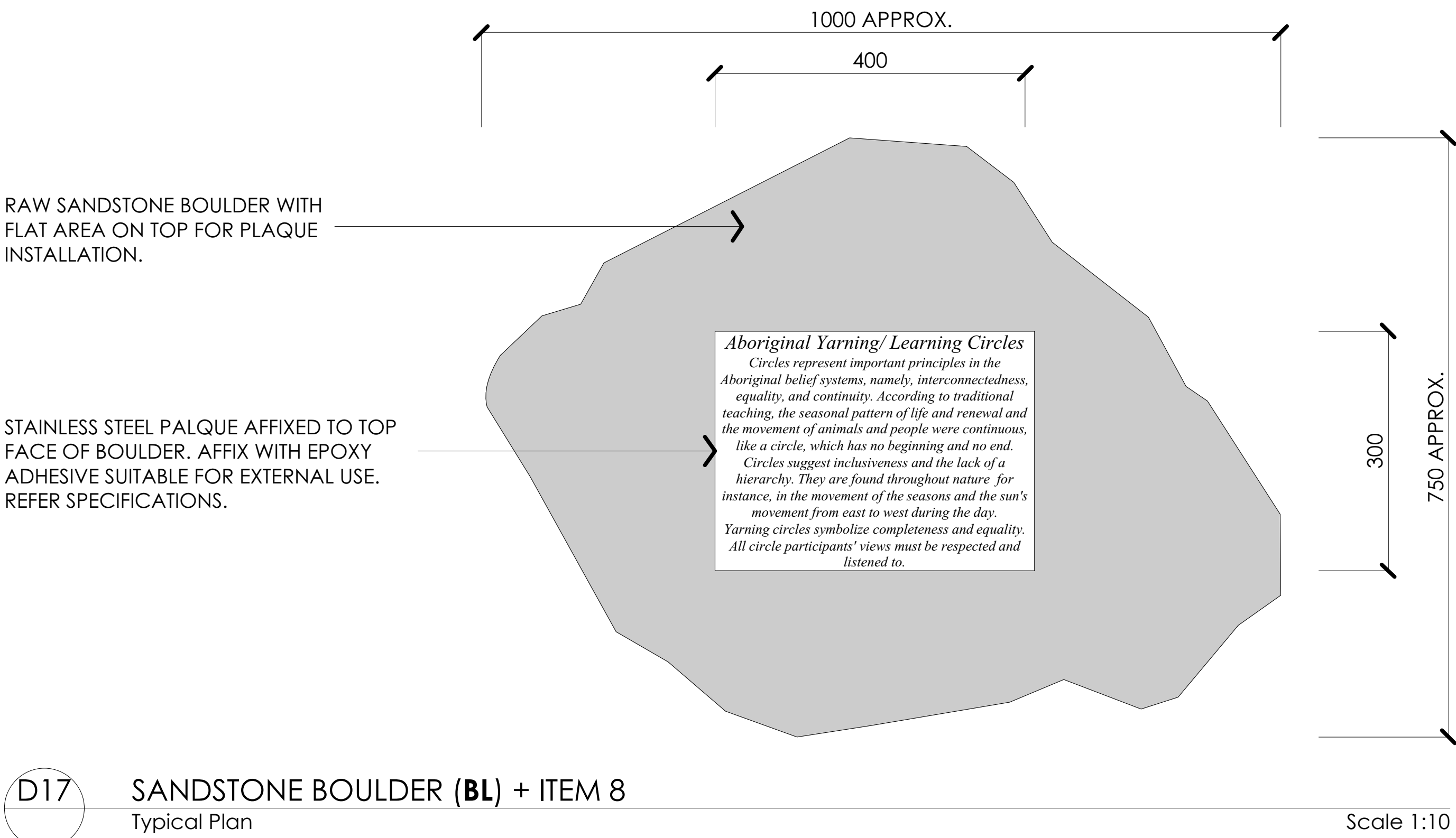
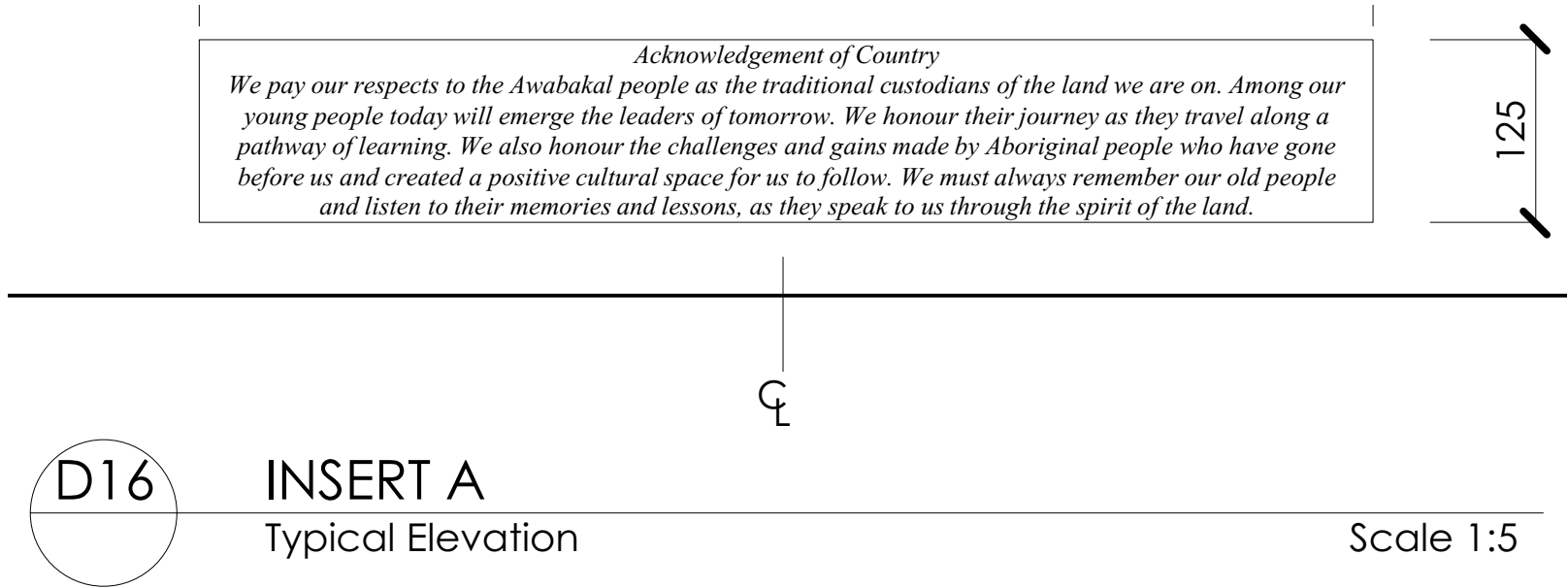
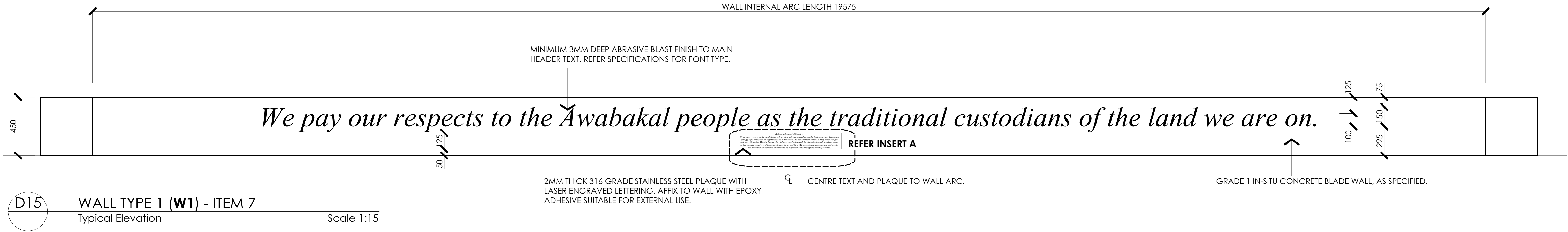
Education

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MAJOR CAPITAL WORKS UPGRADE
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GATESHEAD, 2290
DRAWING:
DETAILS 2



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phase: WD	project no: 11029.5 contract no: WS692136689	DWG no: L22	revision no: 02



D18 SANDSTONE BOULDER (BL) + ITEM 8
Preferred Indicative Shape

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KM	NOTED @ A1	23 / 23	03.03.16
phase:	project no:	DWG no:	revision no:
WD	11029.5 contract no: WS692136689	L23	02