

TREES



Acer rubrum 'October Glory'



Acer palmatum 'Dissectum Inaba Shidare'



Magnolia soulangeana 'Royal Crown'



Betula pendula



Magnolia teddy bear

HEDGES



Buxus microphylla japonica



Buxus sempervirens



Viburnum tinus - form



Viburnum tinus - detail



Phyllostachys nigra

SHRUBS



Rhapiolepis indica 'Snow Maiden'



Gardenia augusta 'Florida'



Rhapiolepis indica 'Oriental Pearl'

ACCENT



Liriope giganteum 'Evergreen Giant'



Ophiopogon japonicus

GROUND COVERS



Dichondra silver falls



Cerastium tomentosum



Gardenia radicans



Juniperus procumbens 'Nana'



Trachelospermum asiaticum



Viola hederacea



Trachelospermum jasminoides

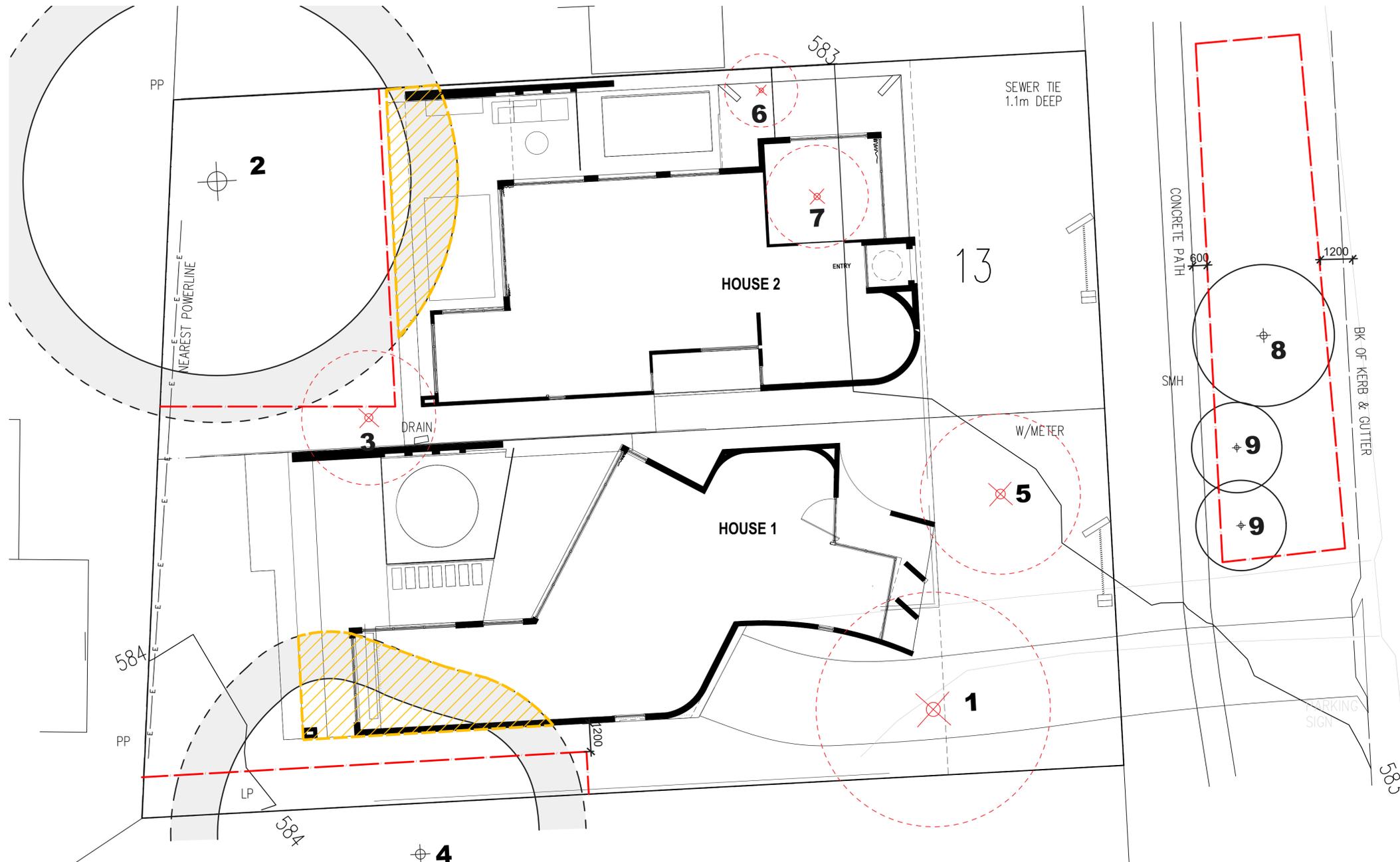
CLIMBERS

REV.	DESCRIPTION	DRAWN	APPROVED	DATE
A	FOR REVIEW	HJ	NH	04OCT22
B	FOR WORKS APPROVAL	JS	NH	06JUN23
C	FOR WORKS APPROVAL	JS	NH	13JUN23
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HARRIS HOBBS LANDSCAPES Landscape Architect
 16 ROBE STREET
 DEAKIN ACT 2600
 p +61 2 6273 4661
 e hhl@hhl.com.au
 w www.hhl.com.au

Harris Hobbs Landscapes acknowledges the Ngunawal people, the traditional custodians of the land on which we live, work, rest and play.

SCALE @ A3 NTS	DATE JUNE 2023	PROJECT 12 HOBART AVENUE FORREST ACT
	CLIENT CLAIRE JIANG	DRAWING TITLE IMAGES
STATUS FOR WORKS APPROVAL		JOB 22093
	REV C	DWG 501



TREE PROTECTION NOTES
 INSTALL 1800mm TALL CONTINUOUS CHAIN MESH PANELS SUPPORTED BY CONCRETE BASES TO ISOLATE CONSTRUCTION SITE WORKS AND VERGES AS SHOWN ON DRAWING.

ALL FENCING TO BE ERECTED ON COMMENCEMENT OF SITE WORK AND REMOVED AT COMPLETION OF CONSTRUCTION. THE FENCE IS TO REMAIN CONTINUOUS THROUGHOUT THE PROJECT, EXCEPT WHERE APPROVED SERVICE INSTALLATION OCCURS.

EXCAVATE WITH EXTREME CARE WITHIN TREE PROTECTION ZONES (CANOPY + 2m) EXPOSE ROOTS AND CUT ALL ROOTS >50mm DIA BY HAND SAW.

ALL EXPOSED ROOTS ARE TO BE KEPT DAMP (THROUGH WRAPPING IN WET HESSIAN OR SIMILAR) AND BACKFILLED AS SOON AS POSSIBLE.
 ANY PRUNING TO REMOVE BRANCHES TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD 4373 'PRUNING OF AMENITY TREES'.

ALL WORK IS TO BE IN ACCORDANCE WITH MITS 09 + TCCS REF 06 DOCUMENTS. ALL AREAS OF THE VERGE THAT ARE AFFECTED BY WORKS ARE TO BE REINSTATED AS PER MITS AND MIS REQUIREMENTS.

IT IS THE RESPONSIBILITY OF THE BUILDER TO ENSURE THAT ANY DISTURBANCES TO THE VERGE, TREES, PATHS, KERBS, ROADWAYS OR SERVICES OCCURING FROM EITHER CONSTRUCTION WORKS OR STORAGE OF MACHINERY/MATERIALS DURING THE CONSTRUCTION. WORKS ARE RECTIFIED TO THE SATISFACTION OF RELEVANT AUTHORITIES.

NO CARPARKING OR EQUIPMENT PARKING PERMITTED ON VERGES/OPEN SPACE.

NO SITE SHEDS, STORAGE SHEDS, SITE AMENITIES OR BILLBOARDS TO BE ERECTED ON VERGES.

NO CONSTRUCTION MATERIAL TO BE STORED ON VERGES.

NO WASH DOWN AREA WITHIN TREE PROTECTION ZONES.

HYDROEXCAVATION AND TREE PROTECTION METHODOLOGY

HYDRO EXCAVATION AND TREE PROTECTION METHODOLOGY DETAILS THE METHOD THE CONTRACTOR SHALL USE AS A BASIS FOR HYDRO EXCAVATING WITHIN THE TPZS.

ALL WORKS TO COMPLY WITH:

- AS4970:2009 PROTECTION OF TREES ON DEVELOPMENT SITES; AND
- AS4373:2007 PRUNING OF AMENITY TREES. 2.3 HYDRO EXCAVATION PROCEDURE WITHIN TPZ

HYDROEXCAVATION PROCEDURE WITHIN TPZ

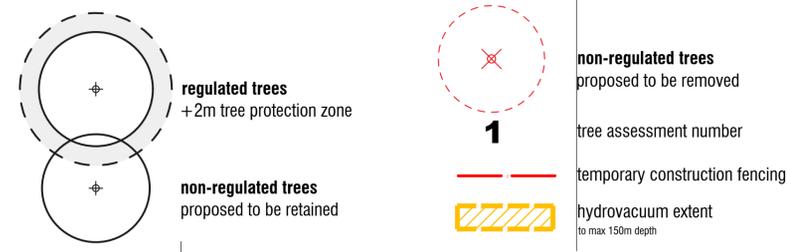
THE FOLLOWING PROCEDURE MUST BE FOLLOWED AT ALL TIMES WHEN EXCAVATING USING HYDRO EXCAVATION WITHIN ALL TPZS.

- ONLY AN EXPERIENCED AND COMPETENT HYDRO EXCAVATION OPERATOR (OPERATOR) SHALL OPERATE HYDRO VACUUM EXCAVATION EQUIPMENT.
- A QUALIFIED ARBORIST IS TO PROVIDE ON SITE ASSISTANCE TO THE OPERATOR, WHICH MAY INCLUDE:
 - ADVICE REGARDING DIFFERENT TREE SPECIES SPECIFIC ROOT SYSTEMS AND PARTICULAR SENSITIVITIES;
 - SUPERVISION OF HYDRO EXCAVATION TO ENSURE MINIMAL DAMAGE OCCURS TO ROOT SYSTEMS;
 - SUPERVISION OF ROOT PRUNING IF REQUIRED;
 - SUPERVISION OF BACKFILLING.
- THE NCA'S REPRESENTATIVE MAY INSPECT THE SITE FROM TIME TO TIME AND PROVIDE ADVICE THROUGH THE SUPERINTENDENT.
- 4 INCH (100MM) VACUUM SUCTION HOSE BE USED WITHIN ALL TPZS.
- THE OPERATOR IS REQUIRED TO USE A 45° FLAT FAN NOZZLE. A FLAT FAN NOZZLE IS OF SHORT LENGTH, SINGLE ORIFICE FITTING, THAT IS INSERTED INTO THE DIGGING END OF THE WAND AND AS SUCH THERE IS A SINGLE CONCENTRATED JET OF WATER EXITING FROM THE TIP OF THE NOZZLE WHICH SPRAYS WATER EVENLY. THE SPRAY IS WIDE AND REDUCES THE PRESSURE IMPACT ON THE ROOTS.
- A ROTATING NOZZLE OR ROTARY NOZZLE MUST NEVER BE USED IN A TPZ. THE ROTATING NOZZLE IS A CONICALLY SHAPED NOZZLE THAT CONTAINS A SINGLE EXIT POINT AS WELL AS A ROTOR INSERT. THE WATER FLOWING THROUGH THE NOZZLE IS DISPERSED THE TIP OF THE NOZZLE IN A CONICAL SHAPE. THE ROTATING NOZZLE GIVES THE EXTREME PRESSURE AS MINIMUM AS 0°. THE PRESSURE OF A 0° SPRAY CAN DAMAGE WOOD BARK AND ROOTS.
- THE MAXIMUM WATER PRESSURE TO BE USED AT ANY TIME WITH A FLAT FAN STRAIGHT TIP NOZZLE DURING HYDRO EXCAVATION WITHIN A TPZ SHALL BE 1,500 PSI. ALL PRESSURE MEASUREMENTS ARE TO BE MONITORED USING A PRESSURE GAUGE MOUNTED ON HYDRO-EXCAVATION MACHINE.
- THE PRESSURISED BLAST WAND SHALL NEVER REMAIN MOTIONLESS.
- A DISTANCE OF 50 - 150MM SHALL ALWAYS BE MAINTAINED BETWEEN THE END OF THE PRESSURE WAND NOZZLE AND THE SUBSOIL. THE NOZZLE SHALL NEVER BE INSERTED INTO THE SUBSOIL WHILE EXCAVATING IN A TPZ.
- HYDRO EXCAVATION INITIALLY SHALL BE COMMENCED AS FAR AS POSSIBLE FROM THE DRIP LINE AND IF THE SERVICES ARE NOT FOUND, HYDRO-EXCAVATION SHOULD CONTINUE TOWARDS THE DRIP LINE USING A SLIT TRENCHING TECHNIQUE.
- IF THE MAJOR DAMAGE TO STRUCTURAL ROOTS OCCURS WHILE UNDERTAKING HYDRO EXCAVATION, THE OPERATOR MUST STOP THE OPERATION IMMEDIATELY. DOCUMENT THE DAMAGE WITH PHOTOGRAPHS AND CONTACT THE PROJECT ARBORIST OR CLIENTS URBAN TREE MANAGER.
- BACKFILL AND RESTORATION OF DISTURBED AREAS.

TREE ASSESSMENT SCHEDULE

TREE NO.	SPECIES	HEIGHT (m)	WIDTH (m)	TRUNKS (no.)	TRUNK CIRC. (mm)	RATING	REGULATED	RECOMMENDATION	COMMENTS
1	Magnolia soulangeana	7	6	1	1300	GOOD	NO	REMOVE	
2	Platanus orientalis	20	14	1	3000	GOOD	YES	RETAIN	
3	Malus ioensis 'Plena'	5	5	1	500	GOOD	NO	REMOVE	
4	Ulmus parvifolia (neighbour)	16	12	1	1800	GOOD	YES	RETAIN	
5	Betula pendula	dead						REMOVE	
6	Conifer ssp.	7	1	2	1000	POOR	NO	REMOVE	
7	Prunus serrulata	4	3	1	450	POOR	NO	REMOVE	
8	Eucalyptus mannifera	13	4	1	800	GOOD	STREET	RETAIN	
9	Group of Prunus cerasifera	4	3	1	300	FAIR	STREET	RETAIN	

LEGEND



TREE ASSESSMENT PHOTOS



REV.	DESCRIPTION	DRAWN	APPROVED	DATE
A	FOR APPROVAL	HJ	NH	20SEP22
B	FOR WORKS APPROVAL	JS	NH	07JUN23
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HARRIS HOBBS LANDSCAPES Landscape Architect
 16 ROBE STREET DEAKIN ACT 32000
 p +61 2 6273 4661
 e hhl@hhl.com.au
 w www.hhl.com.au

SCALE @ A3
1:200

DATE
JUNE 2023

PROJECT
12 HOBART AVENUE FORREST ACT

CLIENT NAME
TREE PROTECTION PLAN

DRAWING TITLE
B 202

STATUS
FOR WORKS APPROVAL

JOB
22093

REV
B

DWG
202

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