PLANT_SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
AR	3	ACER RUBRUM `ARMSTRONG`	ARMSTRONG RED MAPLE	2" CAL.	B&B	CANOPY DIAMETER: 15`
AR2	3	ACER RUBRUM `AUTUMN BLAZE`	AUTUMN BLAZE RED MAPLE	2" CAL.	B&B	CANOPY DIAMETER: 40`
AT	1	ACER RUBRUM `OCTOBER GLORY`	OCTOBER GLORY RED MAPLE	2" CAL.	B&B	CANOPY DIAMETER: 35`
CO	2	CERCIS OCCIDENTALIS	WESTERN REDBUD	MULTI-STEM	B&B	CANOPY DIAMETER: 10`
EG	19	EXISTING TREE	EXISTING TREE	---		
PP3	1	PICEA GLAUCA `PENDULA`	WEEPING WHITE SPRUCE	6` HT.	B&B	CANOPY DIAMETER: 10`
PA2	8	PRUNUS SERRULATA `AMANOGAWA`	JAPANESE FLOWERING CHERRY	2" CAL.	CONTAINER	CANOPY DIAMETER: 12`
UC	1	ULMUS X `FRONTIER`	FRONTIER HYBRID ELM	2" CAL.	B&B	CANOPY DIAMETER: 30`

DROUGHT TOLERANT TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
GA	4	GINKGO BILOBA `AUTUMN GOLD` TM	AUTUMN GOLD MAIDENHAIR TREE	2" CAL.	CONTAINER	CANOPY DIAMETER: 30`
UE	2	ULMUS PROPINQUA `JFS-BIEBERICH` TM	EMERALD SUNSHINE ELM	2" CAL.	CONTAINER	CANOPY DIAMETER: 25`

NATIVE TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
AP3	1	ABIES PROCERA	NOBLE FIR	6` HT.	B&B	CANOPY DIAMETER: 30`
AP2	3	ACER CIRCINATUM `PACIFIC FIRE`	VINE MAPLE	MULTI-STEM	CONTAINER	CANOPY DIAMETER: 6`
AG2	2	ACER GINNALA `FLAME`	FLAME AMUR MAPLE	MULTI-STEM		CANOPY DIAMETER: 15`
CD	4	CALOCEDRUS DECURRENS	INCENSE CEDAR	6` HT.	B&B	CANOPY DIAMETER: 10`
CS2	1	CEDRUS ATLANTICA `GLAUCA PENDULA`	WEEPING BLUE ATLAS CEDAR	3` HT.	B&B	CANOPY DIAMETER: 15`
CN	1	CORNUS NUTTALLII	WESTERN FLOWERING DOGWOOD	2" CAL.	B&B	CANOPY DIAMETER: 50`
PO	6	PINUS CEMBRA SILVER WHISPERS	SWISS STONE PINE	6` HT.	B&B	CANOPY DIAMETER: 6`
PA	6	PINUS NIGRA `ARNOLD SENTINEL`	ARNOLD SENTINEL AUSTRIAN BLACK PINE	6` HT.	B&B	CANOPY DIAMETER: 7`

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
AG	30	AZALEA X `GIRARD`S FUCHSIA`	GIRARD`S FUCHSIA AZALEA	3 GAL.	POT	
BW	13	BUXUS MICROPHYLLA JAPONICA `WINTER GEM`	WINTER GEM BOXWOOD	2 GAL.	POT	
HL	1	HYDRANGEA PANICULATA `LIMELIGHT`	LIMELIGHT HYDRANGEA	3 GAL.	POT	
IS	28	ILEX CRENATA `SKY PENCIL`	SKY PENCIL JAPANESE HOLLY	2 GAL.	POT	
NB	15	NANDINA DOMESTICA `TUSCAN FLAME`	TUSCAN FLAME HEAVENLY BAMBOO	2 GAL.	POT	
PM2	1	PIERIS JAPONICA `MOUNTAIN FIRE`	MOUNTAIN FIRE PIERIS	3 GAL.	POT	
PP	14	PIERIS JAPONICA `PRELUDE`	PRELUDE LILY OF THE VALLEY SHRUB	2 GAL.	POT	
RC	5	RHODODENDRON X `CUNNINGHAM`S WHITE`	CUNNINGHAM`S WHITE RHODODENDRON	3 GAL.	POT	
RE	15	ROSA X `NOA97400A` TM	FLOWER CARPET AMBER ROSE	2 GAL.	POT	
RD	10	ROSA X `RADTKOPINK` TM	PINK DOUBLE KNOCK OUT ROSE	2 GAL.	POT	
SG	6	SPIRAEA X BUMALDA `GOLDFLAME`	GOLDFLAME SPIREA	2 GAL.	POT	
SV	1	SYRINGA VULGARIS	COMMON LILAC	3 GAL.	POT	

DROUGHT TOLERANT SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
BT	4	BERBERIS THUNBERGII `MONOMB`	CHERRY BOMB JAPANESE BARBERRY	2 GAL.	POT	
BP	11	BERBERIS THUNBERGII `PYGRUZAM`	PYGMY RUBY BARBERRY	2 GAL.	POT	
JH	1	JUNIPERUS CHINENSIS `HETZII COLUMNARIS`	HETZI COLUMN JUNIPER	3 GAL.	POT	
JB	11	JUNIPERUS HORIZONTALIS `BLUE CHIP`	BLUE CHIP JUNIPER	2 GAL.	POT	
JS	23	JUNIPERUS SCOPULORUM `SKYROCKET`	SKYROCKET JUNIPER	3 GAL.	POT	
LH	8	LAVANDULA ANGUSTIFOLIA `HIDCOTE`	HIDCOTE LAVENDER	1 GAL.	POT	
PM3	5	PINUS MUGO `MOPS`	MUGO PINE	2 GAL.	POT	
PS	3	PINUS MUGO `SLOWMOUND`	MUGO PINE	2 GAL.	POT	

GRASSES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
CK	57	CALAMAGROSTIS X ACUTIFLORA `KARL FOERSTER`	FEATHER REED GRASS	1 GAL.	POT	DROUGHT TOLERANT
HS	2	HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	1 GAL.	POT	DROUGHT TOLERANT
MS2	15	MISCANTHUS SINENSIS `MORNING LIGHT`	EULALIA GRASS	1 GAL.	POT	
MS	11	MISCANTHUS SINENSIS `YAKUSHIMA`	DWARF MAIDEN GRASS	1 GAL.	POT	

NATIVE SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
GS	21	GAULTHERIA SHALLON	SALAL	2 GAL.	POT	
MA	12	MAHONIA AQUIFOLIUM `COMPACTA`	COMPACT OREGON GRAPE	2 GAL.	POT	
MR	126	MAHONIA REPENS	CREEPING MAHONIA	2 GAL.	POT	
PW	2	PHILADELPHUS LEWISII	WILD MOCKORANGE	2 GAL.	POT	
PM	47	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	1 GAL.	POT	
RM2	3	RHODODENDRON MACROPHYLLUM	PACIFIC RHODODENDRON	2 GAL.	POT	
RK	5	RIBES SANGUINEUM `KING EDWARD VII`	RED FLOWERING CURRANT	3 GAL.	POT	
VO	5	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	2 GAL.	POT	

PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
AM2	11	ACHILLEA X `MOONSHINE`	MOONSHINE YARROW	1 GAL.	POT	DROUGHT TOLERANT
CE	18	CAREX ELATA `BOWLES GOLDEN`	BOWLES GOLDEN SEDGE	1 GAL.	POT	
CL	17	CROCOSMIA X `LUCIFER`	LUCIFER MONTBRETIA	1 GAL.	POT	
HP	48	HEUCHERA MICRANTHA `PALACE PURPLE`	PALACE PURPLE CORAL BELLS	1 GAL.	POT	NATIVE
HE	3	HOSTA X `ENTERPRISE`	PLANTAIN LILY	1 GAL.	POT	
HK	3	HOSTA X `KROSSA REGAL`	KROSSA RAGAL DAYLILY	1 GAL.	POT	

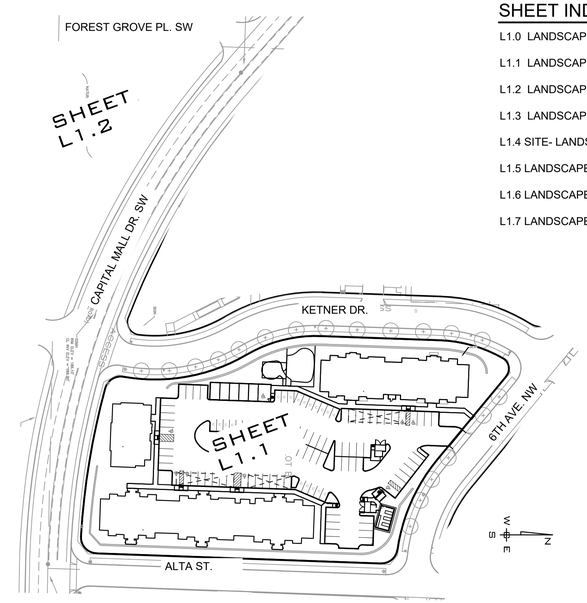
VINE/ESPALIER	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
PE2	10	PARTHENOCISSUS QUINQUEFOLIA ENGELMANNII	ENGELMANN VIRGINIA CREEPER	2 GAL.	POT	

GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
	28	GERANIUM X CANTABRIGIENSE `BIOKOVO`	BIOKOVO CRANESBILL	1 GAL.	POT	36" o.c.	

DROUGHT TOLERANT GROUND COVER	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
	13	DELOSPERMA COOPERI `JEWEL OF DESERT RUBY`	JEWEL OF THE DESERT RUBY ICE PLANT	4" POT	POT	48" o.c.	

NATIVE GROUND COVER	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
	281	ARCTOSTAPHYLOS UVA-URSI `MASSACHUSETTS`	MASSACHUSETTS MANZANITA	4" POT	POT	24" o.c.	
	2	COTONEASTER DAMMERI `CORAL BEAUTY`	CORAL BEAUTY COTONEASTER	1 GAL.	POT	60" o.c.	
	32	EUONYMUS FORTUNEI `COLORATUS`	COLORATUS PURPLE WINTERCREEPER	1 GAL.	POT	60" o.c.	
	6	EUONYMUS FORTUNEI `EMERALD GAIETY` TM	EMERALD GAIETY WINTERCREEPER	1 GAL.	POT	36" o.c.	
	312	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	4" POT	POT	12" o.c.	
	72	ADIANTUM PEDATUM	NORTHERN MAIDENHAIR FERN	1 GAL.	POT	24" o.c.	
	254	ASARUM CAUDATUM	BRITISH COLUMBIA WILD GINGER	4" POT	POT	12" o.c.	

*NOTE: GROUND COVER IS TO BE PLANTED IN A TRIANGLE PATTERN WHICH WILL PROVIDE 80% COVERAGE IN 3 YEARS. SEE SHEET L1.6 FOR DETAIL.



SHEET INDEX

L1.0 LANDSCAPE COVER
L1.1 LANDSCAPE PLAN
L1.2 LANDSCAPE PLAN
L1.3 LANDSCAPE SOIL AND VEGETATION PLAN
L1.4 SITE- LANDSCAPE AND HARDSCAPE
L1.5 LANDSCAPE DETAILS
L1.6 LANDSCAPE DETAILS
L1.7 LANDSCAPE ELEVATION

SHEET LAYOUT

NOT TO SCALE

NOTES: THIS SITE IS IN THE ALLISON SPRINGS WELL PROTECTION AREA.

QTY	PLANT MATERIAL AND INSTALLATION:	
66 –	TREES	$ 16,500
41 –	3 GAL. SHRUBS	2,120
449–	2 GAL. SHRUBS	8,430
98–	1 GAL. ORNAMENTAL GRASS	1,372
163 –	1 GAL. PERENNIAL	2,282
72–	1 GAL. GROUNDCOVER	1,296
802–	4" POT GROUNDCOVER	2807
		34,807
	SOIL AMENDMENT	8,200
	ORGANIC MULCH	2,420
	IRRIGATED GRASS SEED MIX(1,850 SF)	185
		$45,612
	SITE PREP WORK	$ 1767
	IRRIGATION	$ 25,000
	3 YR MAINTENANCE	$ 5,000
	TOTAL	$ 77,379

SEE SHEET L1.5 FOR LANDSCAPE NOTES

PRELIMINARY - NOT FOR CONSTRUCTION

STATE OF WASHINGTON
SUSAN M. MAR
5-6-20
REGISTERED LANDSCAPE ARCHITECT

OWNER
INLAND CONSTRUCTION
120 W. CATALDO AVE., STE 100
SPOKANE, WA 99201

NO.	DATE	BY	REVISIONS

WCE
WHIPPLE CONSULTING ENGINEERS
23428 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PH: 509-926-9017 FAX: 509-926-0227

CIVIL
STRUCTURAL
SURVEYING
TRAFFIC
PLANNING
X LANDSCAPE
OTHER

GOAT APARTMENTS
LANDSCAPE COVER
3300 CAPITAL MALL DR. SW BLK
OLYMPIA, WA 98502

DRAWN:	HMS
REVIEWED:	SMM
SCALE:	N/A
PROJ #:	20-2599
DATE:	05/06/20

SHEET
L1.0

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REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY	DETAIL
1	PROPERTY LINE		
2	CLEAR-VIEW TRIANGLE		
3	CONCRETE EDGER		
4	SHORT TERM BIKE RACKS SEE SHEET A1.1		
5	4" IRRIGATION SLEEVE, DEPTH OF 24" UNDER PAVEMENT AND 12" ELSEWHERE. IRRIGATION SYSTEM IS A DESIGN BUILD AND IS CONNECTED TO THE EXISTING SYSTEM.		
6	POINT OF CONNECTION FOR THE SEPERATELY METERED IRRIGATION SYSTEM. PROVIDE DCVA PER CITY STANDARDS. MODIFY EXISTING DESIGN BUILD IRRIGATION SYSTEM.		
7	TREE PROTECTION FENCE, SEE SHEET L1.7 FOR DETAIL		
8	PLAYGROUND		
9	TRASH ENCLOSURE, SEE SHEET A1.1		
10	PROVIDE AND INSTALL 4' BLACK-VINYL CHAIN LINK FENCE, SEE ARCH		
11	RETAINING WALL, SEE CIVIL SHEET C04		
12	PICNIC SHELTER, SEE SHEET A1.2		
13	1-3 MAN BOULDERS		
14	DOG WASHING STATION		
15	LONG TERM BIKE RACKS, SEE SHEET A1.2		
16	MONUMENT SIGN, SEE SHEET A1.1		
17	MAIL KIOSK, SEE ARCH		

REFERENCE NOTES SCHEDULE

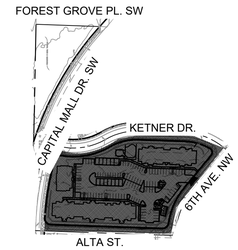
SYMBOL	DESCRIPTION	QTY	DETAIL
19	ULINE PICNIC TABLE, SEE SHEET L1.6 FOR DETAIL		
20	EVERETT BENCH, SEE DETAILL ON SHEET L1.6		

SYMBOL	DESCRIPTION	QTY	DETAIL
	IRRIGATED LAWN (SEED)	14,810 SF	
	DRYLAND GRASS SEED MIX	376 SF	

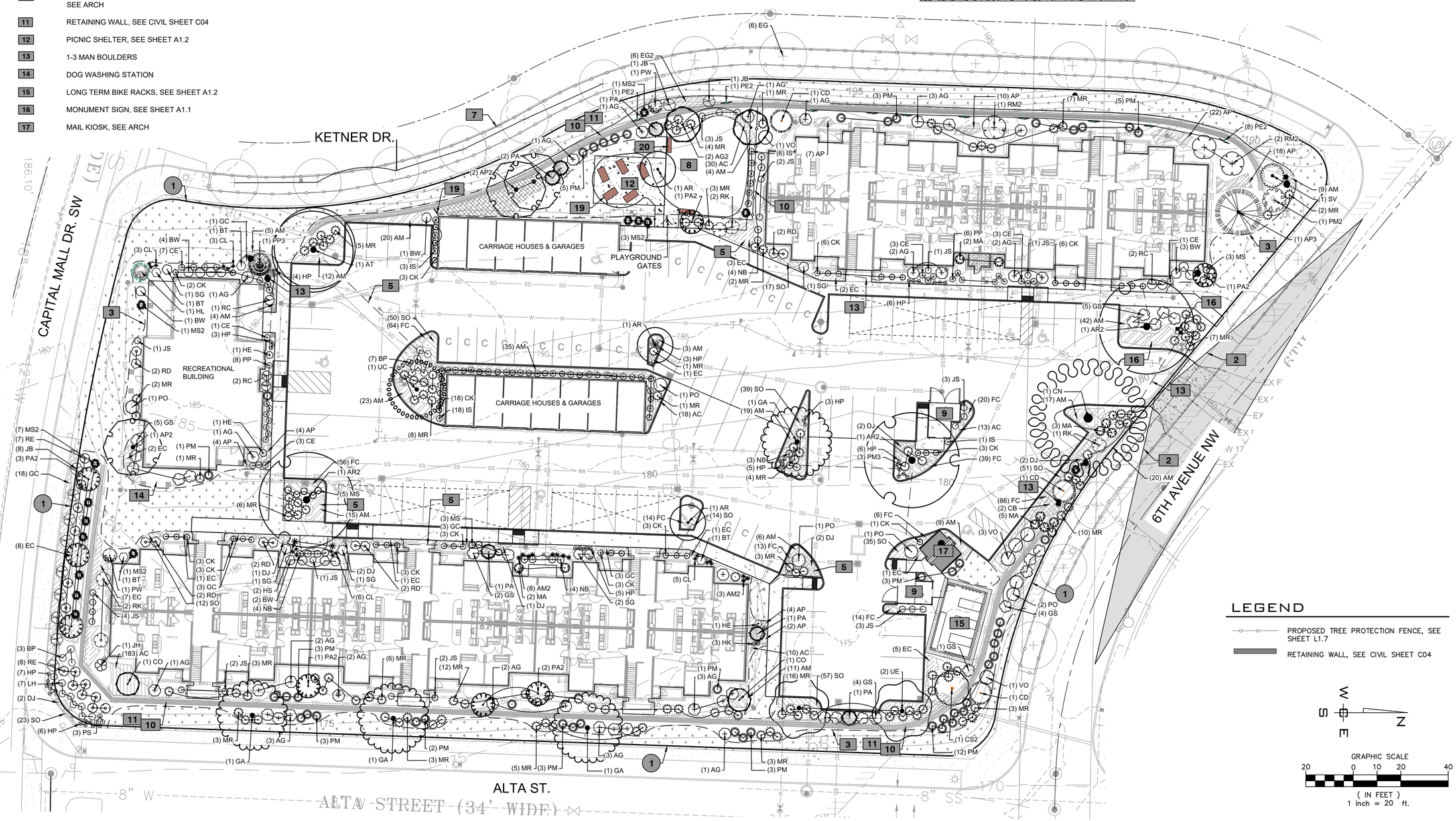
TIME LINE FOR: SITE PREPARATION, INSTALLATION, AND MAINTENANCE OF PLANT MATERIAL

1. IRRIGATION PLAN IS DESIGNED WITH A WATER SCHEDULE. SEE IRRIGATION NOTES, SHEET L1.1 FOR OUTLINES.
2. CONTRACTOR WILL INSTALL TREE PROTECTION MEASURES BEFORE GRADING. SEE GRADING PLAN.
3. CONTRACTOR TO ROUGH GRADE THE SITE. SWALE SOIL MIX IS ADDED AT THIS TIME.
4. IRRIGATION METERS, AND SLEEVES ARE INSTALLED DURING WATER LINE INSTALLATION, PRIOR TO ROAD AND SIDEWALK INSTALLATION.
5. IRRIGATION SYSTEM IS INSTALLED WHEN ALL OUTSIDE SITE WORK IS COMPLETED.
6. LANDSCAPE CONTRACTOR TO BRING THE SITE TO FINISHED GRADE AND INSTALL ALL PLANT MATERIAL.
7. LANDSCAPE CONTRACTOR TO CHECK IRRIGATION SYSTEM FOR FULL COVERAGE AND REVISE THE SYSTEM WHERE NEEDED.
8 IRRIGATION SPECIALIST TO PROVIDE THE CLIENT WITH A AN AS–BUILT DRAWING OF THE IRRIGATION SYSTEM.
9. CONTRACTOR TO WARRANTED ALL INSTALLED PLANT MATERIAL FOR 1 YEAR AND REPLACE ALL DEAD AND DYING PLANT MATERIAL.

SEE GENERAL LANDSCAPE NOTES FOR MORE INFORMATION



OVERVIEW



LEGEND

PROPOSED TREE PROTECTION FENCE, SEE SHEET L1.7

RETAINING WALL, SEE CIVIL SHEET C04

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

PRELIMINARY - NOT FOR CONSTRUCTION

STATE OF WASHINGTON
SUSAN M. MAN
STATE REGISTERED LANDSCAPE ARCHITECT
5-6-20

OWNER
INLAND CONSTRUCTION
120 W. CATALDO AVE., STE 100
SPOKANE, WA 99201

NO.	DATE	BY	REVISIONS

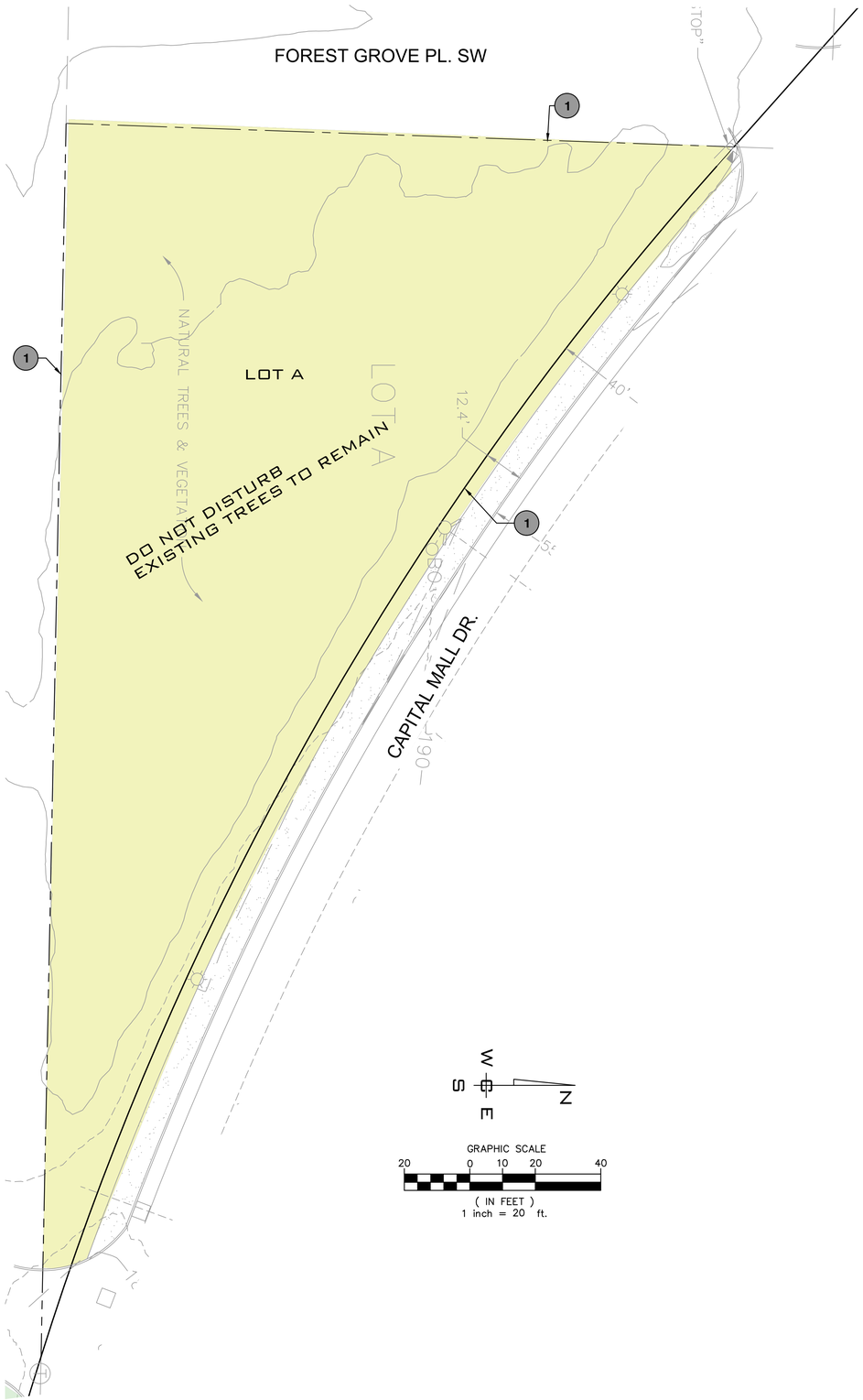
WHIPPLE CONSULTING ENGINEERS
23428 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PH: 509-926-0017 FAX: 509-926-0227

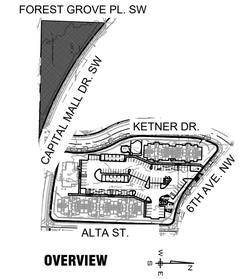
CIVIL	
STRUCTURAL	
SURVEYING	
TRAFFIC	
PLANNING	
X LANDSCAPE	
OTHER	

GOAT APARTMENTS
LANDSCAPE PLAN
3300 CAPITAL MALL DR. SW BLK
OLYMPIA, WA 98502

DRAWN:	HMS
REVIEWED:	SMM
SCALE:	1"-20'
PROJ #:	20-2599
DATE:	05/06/20

SHEET
L1.1





TREE DENSITY CALCULATIONS

CALCULATIONS PROVIDED BY WASHINGTON FORESTERY CONSULTANTS INC.

TOTAL ACREAGE (2 PARCELS	3.35 ACRES
RIGHT-OF-WAYS	0 ACRES
BUILDABLE AREA	3.35 ACRES

MINIMUM DENSITY REQUIRED:
(30 UNITS/ACRE X 3.35 ACRES) 100.5 TREE UNITS

PLANNED TREE RETENTION:
TOTAL TREE UNITS-TO BE SAVED 127.5 TREE UNITS
EXCESS OF TREE UNITS ON SITE 27.0 TREE UNITS

TIMELINE FOR ACTIVITY-PER WASHINGTON FORESTRY CONSULTANTS

1) THE SVPA ON THE SOUTH SIDE OF CAPITAL MALL DRIVE SW INCLUDES 19 HEALTHY TREES WORTH A TOTAL OF 124.5 TREE UNITS. THIS EXCEEDS THE MINIMUM REQUIREMENT OF 24.0 TREE UNITS. SINCE THIS TRACT IS ISOLATED FROM THE BUILDABLE AREA ON THE NORTH PARCEL, NO TREE PROTECTION FENCING IS REQUIRED.
2) CITY FORESTER NOTIFIES INSPECTOR THAT THE PRE-CONSTRUCTION MEETING MAY BE SCHEDULED.
3) CONTACT PROJECT FORESTER TO ATTEND PRE-CONSTRUCTION MEETING TO DISCUSS TREE PROTECTION ISSUES.
4) REMOVAL OF TREES AND GRADING MAY BEGIN WITH THE CLEARING LIMITS IN THE CONSTRUCTION AREA.
5) IF ANY UNPLANNED CONSTRUCTION ACTIVITY WILL AFFECT A SAVE TREE, CONTACT PROJECT FORESTER PRIOR TO THE IMPACT. PROJECT FORESTER ASSESSES THE PROPOSED IMPACT AND RECOMMENDS CULTURAL CARE, MITIGATION, OR REMOVAL. PROJECT FORESTER SENDS EMAIL TO CITY OF OLYMPIA FORESTER FOR FINAL APPROVAL.
6) CONDUCT ANY ANNUAL TREE TO DETERMINE SHORT- AND LONG-TERM EFFECTS OF SITE CHANGES ON PROTECTED TREES. PROVIDE ADDITIONAL CULTURAL CARE AS NEEDED.

GENERAL NOTES:

FOR MORE INFORMATION REGARDING TREES LOCATED ON THIS PROPERTY, PLEASE SEE THE WASHINGTON FORESTRY CONSULTATIONS, INC -LEVEL V TREE, SOIL, AND NATIVE VEGETATION PROTECTION AND REPLACEMENT PLAN-

REFERENCE_NOTES_SCHEDULE

SYMBOL	DESCRIPTION	QTY	DETAIL
1	PROPERTY LINE		

LEGEND

SYMBOL	DESCRIPTION
	BUILDING AREA
	PAVEMENT
	HARDSCAPE
	PROPOSED LANDSCAPE AREA
	EXISTING LANDSCAPE AREA

PRELIMINARY - NOT FOR CONSTRUCTION

STATE OF WASHINGTON
SUSAN MARIE MAY
5-6-20
REGISTERED LANDSCAPE ARCHITECT

OWNER
INLAND CONSTRUCTION
120 W. CATALDO AVE., STE 100
SPOKANE, WA 99201

NO.	DATE	BY	REVISIONS

WHPPLE. CONSULTING ENGINEERS
23028 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PH: 509-893-2617 FAX: 509-928-0227

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3300 CAPITAL MALL DR. SW BLK
OLYMPIA, WA 98502

DRAWN:	HMS
REVIEWED:	SMM
SCALE:	1"-20'
PROJ #:	20-2599
DATE:	05/06/20

SHEET
L1.2

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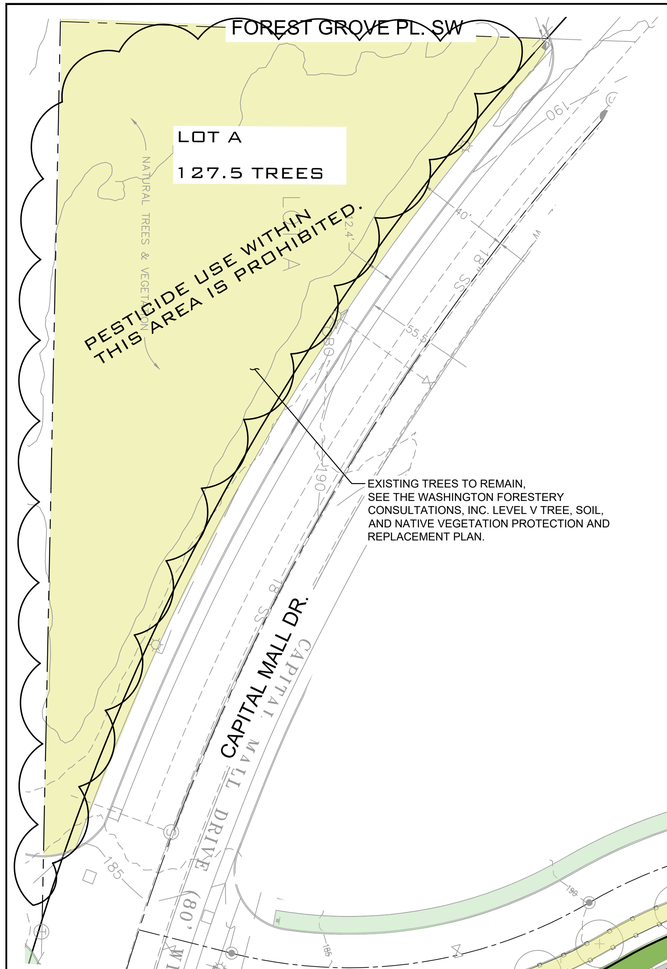


Class A Weeds: Non-native species whose distribution in Washington is still limited. Preventing new infestations and eradicating existing infestations are the highest priority. **Eradication of all Class A plants is required by law.**

Class B Weeds: Non-native species presently limited to portions of the State. Species are **designated** for required control in regions where they are not yet widespread. Preventing new infestations in these areas is a high priority. In regions where a Class B species is already abundant, control is decided at the local level, with containment as the primary goal. Please contact your County Noxious Weed Control Board to learn which species are designated for control in your area.

Class C Weeds: Noxious weeds that are typically widespread in WA or are of special interest to the state's agricultural industry. The Class C status allows county weed boards to require control if locally desired, or they may choose to provide education or technical consultation.

Class A Weeds
Eradication is required

common crupina	*Crupina vulgaris*
cordgrass, common	*Spartina anglica*
cordgrass, dense-flowered	*Spartina densiflora*
cordgrass, saltmeadow	*Spartina patens*
cordgrass, smooth	*Spartina alterniflora*
dyer's woad	*Isatis tinctoria*
eggleaf spurge	*Euphorbia oblongata*
false brome	*Brachypodium sylvaticum*
floating primrose-willow	*Ludwigia peploides*
flowering rush	*Butomus umbellatus*
French broom	*Genista monspessulana*
garlic mustard	*Alliaria petiolata*
giant hogweed	*Heracleum mantegazzianum*
goatsrue	*Galega officinalis*
hydrilla	*Hydrilla verticillata*
Johnsongrass	*Sorghum halepense*
knapweed, bighead	*Centaurea macrocephala*
knapweed, Vochin	*Centaurea nigrescens*
kudzu	*Pueraria montana* var. *lobata*
meadow clary	*Salvia pratensis*
oriental clematis	*Clematis orientalis*
purple starthistle	*Centaurea calcitrapa*
reed sweetgrass	*Glyceria maxima*
ricefield bulrush	*Schoenoplectus mucronatus*
sage, clary	*Salvia sclarea*
sage, Mediterranean	*Salvia aethiopis*
silverleaf nightshade	*Solanum elaeagnifolium*
small-flowered jewelweed	*Impatiens parviflora*
South American spongeplant	*Limnobium laevigatum*
Spanish broom	*Spartium junceum*
Syrian beancaper	*Zygophyllum fabago*
Texas blueweed	*Helianthus ciliaris*
thistle, Italian	*Carduus pycnocephalus*
thistle, milk	*Silybum marianum*
thistle, slenderflower	*Carduus tenuiflorus*
variable-leaf milfoil	*Myriophyllum heterophyllum*
wild four-o'clock	*Mirabilis nyctaginea*

Class B Weeds

blueweed	*Echium vulgare*
Brazilian elodea	*Egeria densa*
bugloss, annual	*Anchusa arvensis*
bugloss, common	*Anchusa officinalis*
butterfly bush	*Buddleja davidii*
camelthorn	*Alhagi maurorum*
common fennel, (except bulbing fennel)	*Foeniculum vulgare* except *F. vulgare* var. *azoricum)*
common reed (nonnative genotypes only)	*Phragmites australis*
Dalmatian toadflax	*Linaria dalmatica* ssp. *dalmatica*
Eurasian watermilfoil	*Myriophyllum spicatum*
European coltsfoot	*Tussilago farfara*
fanwort	*Cabomba caroliniana*
gorse	*Ulex europaeus*
grass-leaved arrowhead	*Sagittaria graminea*
hairy willowherb	*Epilobium hirsutum*
hawkweed oxtongue	*Picris hieracioides*
hawkweed, orange	*Hieracium aurantiacum*
hawkweeds: All nonnative species and hybrids of the meadow subgenus	*Hieracium*, subgenus *Pilosella*
hawkweeds: All nonnative species and hybrids of the wall subgenus	*Hieracium*, subgenus *Hieracium*
herb-Robert	*Geranium robertianum*
hoary alyssum	*Berteroa incana*
houndstongue	*Cynoglossum officinale*
indigobush	*Amorpha fruticosa*
knapweed, black	*Centaurea nigra*
knapweed, brown	*Centaurea jacea*
knapweed, diffuse	*Centaurea diffusa*
knapweed, meadow	*Centaurea x moncktonii*
knapweed, Russian	*Rhaponticum repens*
knapweed, spotted	*Centaurea stoebe*
knotweed, Bohemian	*Polygonum x bohemicum*
knotweed, giant	*Polygonum sachalinense*
knotweed, Himalayan	*Persicaria wallichii*
knotweed, Japanese	*Polygonum cuspidatum*
kochia	*Bassia scoparia*
lesser celandine	*Ficaria verna*
loosestrife, garden	*Lysimachia vulgaris*
loosestrife, purple	*Lythrum salicaria*
loosestrife, wand	*Lythrum virgatum*
Malta starthistle	*Centaurea melitensis*
parrotfeather	*Myriophyllum aquaticum*
perennial pepperweed	*Lepidium latifolium*
poison hemlock	*Conium maculatum*
policeman's helmet	*Impatiens glandulifera*
puncturevine	*Tribulus terrestris*
Ravenna grass	*Saccharum ravennae*
rush skeletonweed	*Chondrilla juncea*
saltcedar	*Tamarix ramosissima*
Scotch broom	*Cytisus scoparius*
shiny geranium	*Geranium lucidum*
spurge flax	*Thymelaea passerina*
spurge laurel	*Daphne laureola*
spurge, leafy	*Euphorbia virgata*
spurge, myrtle	*Euphorbia myrsinites*
sulfur cinquefoil	*Potentilla recta*
tansy ragwort	*Jacobaea vulgaris*
thistle, musk	*Carduus nutans*
thistle, plumeless	*Carduus acanthoides*
thistle, Scotch	*Onopordum acanthium*
velvetleaf	*Abutilon theophrasti*
water primrose	*Ludwigia hexapetala*
white bryony	*Bryonia alba*
wild chervil	*Anthriscus sylvestris*
yellow archangel	*Lamiastrum galeobdolon*
yellow floatingheart	*Nymphoides peltata*
yellow nutsedge	*Cyperus esculentus*
yellow starthistle	*Centaurea solstitialis*

Class C Weeds

absinth wormwood	*Artemisia absinthium*
Austrian fieldcress	*Rorippa austriaca*
babysbreath	*Gypsophila paniculata*
black henbane	*Hyoscyamus niger*
blackgrass	*Alopecurus myosuroides*
buffalobur	*Solanum rostratum*
cereal rye	*Secale cereale*
common barberry	*Berberis vulgaris*
common catsear	*Hypochaeris radicata*
common groundsel	*Senecio vulgaris*
common St. Johnswort	*Hypericum perforatum*
common tansy	*Tanacetum vulgare*
common teasel	*Dipsacus fullonum*
curlyleaf pondweed	*Potamogeton crispus*
English hawthorn	*Crataegus monogyna*
English ivy - four cultivars only	*Hedera helix* 'Baltica', 'Pittsburgh', and 'Star', and *H. hibernica 'Hibernica'*
Eurasian watermilfoil hybrid	*Myriophyllum spicatum* x *Myriophyllum sibiricum*
evergreen blackberry	*Rubus laciniatus*
field bindweed	*Convolvulus arvensis*
fragrant waterlily	*Nymphaea odorata*
hairy whitetop	*Lepidium appelianum*
Himalayan blackberry	*Rubus armeniacus*
hoary cress	*Lepidium draba*
Italian arum	*Arum italicum*
Japanese eelgrass	*Zostera japonica*
jubata grass	*Cortaderia jubata*
jointed goatgrass	*Aegilops cylindrica*
lawnweed	*Soliva sessilis*
longspine sandbur	*Cenchrus longispinus*
medusahead	*Taeniatherum caput-medusae*
nonnative cattail species and hybrids (reminder, does not include the native common cattail, *Typha latifolia*)	*Typha* species
old man's beard	*Clematis vitalba*
oxeye daisy	*Leucanthemum vulgare*
Pampas grass	*Cortaderia selloana*
perennial sowthistle	*Sonchus arvensis*
reed canarygrass	*Phalaris arundinacea*
Russian olive	*Elaeagnus angustifolia*

Class C Weeds continued

scentless mayweed	*Matricaria perforata*
smoothseed alfalfa dodder	*Cuscuta approximata*
spikeweed	*Centromadia pungens*
spiny cocklebur	*Xanthium spinosum*
spotted jewelweed	*Impatiens capensis*
Swainsonpea	*Sphaerophysa salsula*
thistle, bull	*Cirsium vulgare*
thistle, Canada	*Cirsium arvense*
tree-of-heaven	*Ailanthus altissima*
ventenata	*Ventenata dubia*
white cockle	*Silene latifolia* ssp. *alba*
wild carrot (except where commercially grown)	*Daucus carota*
yellow flag iris	*Iris pseudacorus*
yellow toadflax	*Linaria vulgaris*

To learn more about noxious weeds and noxious weed control in Washington State, please contact:

WA State Noxious Weed Control Board
P.O. Box 42560
Olympia, WA 98504-2560
(360)-725-5764

Email: noxiousweeds@agr.wa.gov
Website: http://www.nwcb.wa.gov

Or

WA State Department of Agriculture
21 North First Avenue #103
Yakima, WA 98902
(509) 249-6973

Or

Your County Noxious Weed Control Board

Please help protect Washington's economy and environment from noxious weeds!

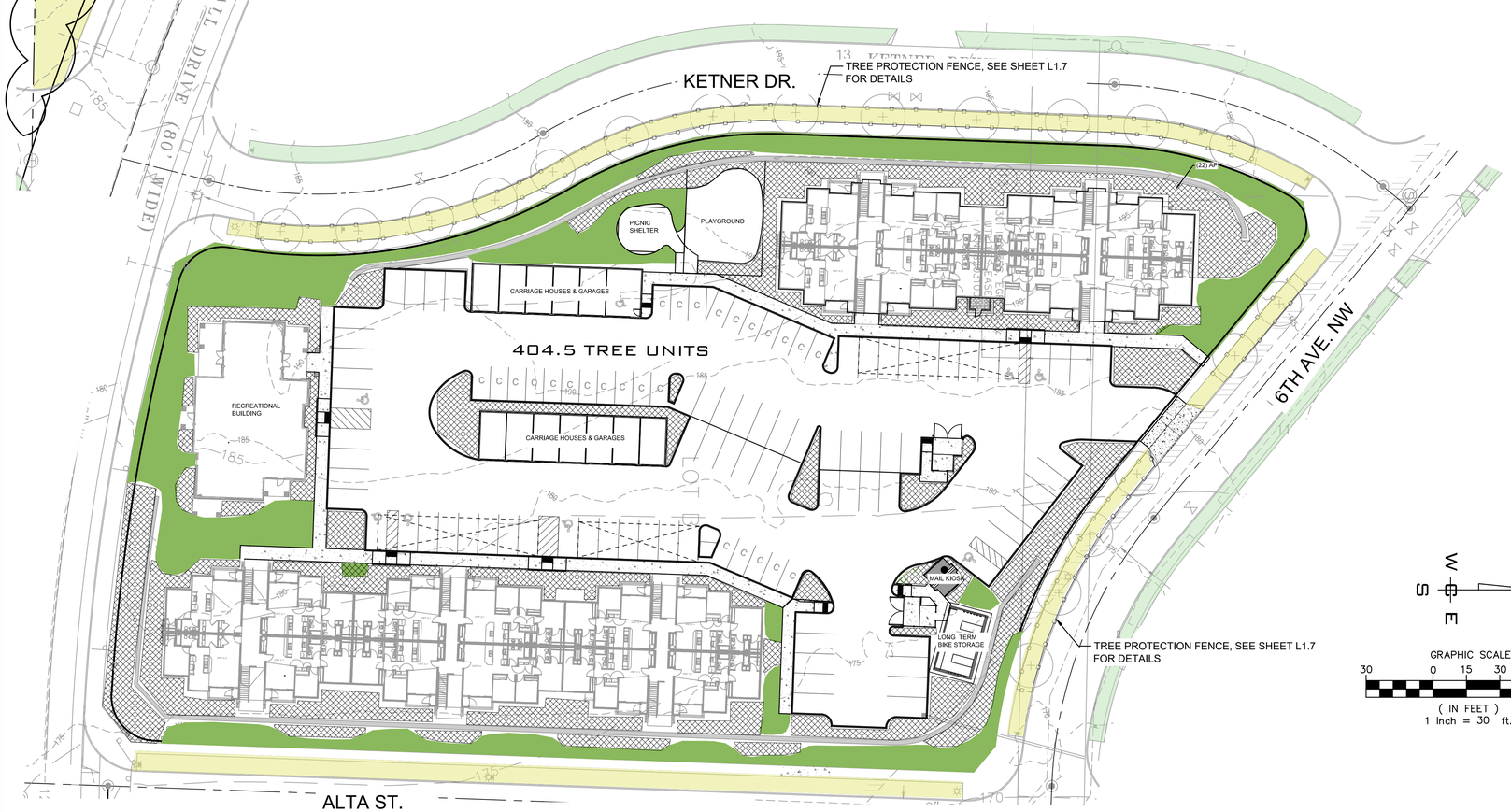
Cover photos of South American spongeplant infestation and plant with female flower by Jenifer Parsons, WA Department of Ecology

2020 Washington State Noxious Weed List

South American spongeplant, *Limnobium laevigatum*, is a new Class A noxious weed for 2020. Eradication in Washington is now required of this floating, aquatic perennial plant.

List arranged alphabetically by:
COMMON NAME

Washington State Noxious Weed Control Board



GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

NOXIOUS WEED SPECIFICATIONS (LOT A)

1. "CONTRACTOR AND OWNER": ALL INVASIVE PLANT SPECIES, INCLUDING BUT NOT LIMITED TO SCOTCH BROOM AND ENGLISH IVY, SHALL BE REMOVED ON LOT A ONLY. THERE WILL BE NO OTHER ACTION THEN NOXIOUS WEED REMOVAL.

SOILS NOTES

S/1 PREPARATION METHOD FOR GRASSY AREAS:

1. SCARIFICATION OF UNDERLYING SOILS SHALL TAKE PLACE TO A DEPTH OF 4" BEFORE TOPSOIL IS PLACED TO PREVENT SOIL LAYERING.
2. THE APPROVED TOPSOIL LAYER FOR ALL PERVIOUS SURFACES SHALL CONSIST OF A MINIMUM OF 10% ORGANIC MATTER AND SHALL HAVE A MINIMUM DEPTH OF 8" AS OUTLINED IN BMP 5.13 OF THE OLYMPIA STORMWATER MANUAL.
3. PLACE 2 INCHES OF COMPOST MATERIAL AND TILL INTO 4 INCHES OF SOIL (A TOTAL AMENDED DEPTH OF ABOUT 4.5 INCHES, FOR A SETTLED DEPTH OF 4 INCHES).
4. RAKE THE AREA SMOOTH AND REMOVE SURFACE ROCKS LARGER THAN 1 INCH IN DIAMETER.
5. PLACE 2 INCHES OF AA COMPOST AND RAKE.

S/2 PREPARATION METHOD FOR SHRUBS, TREES, AND GROUNDCOVER:

1. REMOVE 6" OF FILL SOIL AND ALL WEEDS, AND ADD 6" OF SANDY LOAM TOPSOIL, TILL THE SUB GRADE SOIL TO A 24-INCH DEPTH. DO NOT SCARIFY OR TILL WITHIN THE DRIP LINE OF EXISTING TREES THAT WILL BE RETAINED.
3. PLACE 3 INCHES OF COMPOST MATERIAL AND TILL INTO 18 INCHES OF SOIL (A TOTAL AMENDED DEPTH OF ABOUT 25.5 INCHES, FOR A SETTLED DEPTH OF 24 INCHES).
4. RAKE THE AREA SMOOTH AND REMOVE SURFACE ROCKS LARGER THAN 1 INCH IN DIAMETER.
5. PLACE 2 INCHES OF AA COMPOST AND RAKE.

S/3 PREPARATION METHOD FOR SHRUBS, TREES, AND GROUNDCOVER AREA IN TREE PROTECTED AREA. NO WORK SHALL BE DONE PAST THE LIMITS OF DISTURBANCE.

1. ALL WEED REMOVAL WILL BE WITH HAND TOOLS ONLY. DO NOT DISTURB TREE ROOT SYSTEMS.
2. RAKE THE AREA SMOOTH AND REMOVE SURFACE ROCKS LARGER THAN 1 INCH IN DIAMETER.
1. PLACE 2 INCHES OF AA COMPOST AND RAKE.

COMPOST AMENDMENT QUALITY STANDARDS
THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST THT MEETS THE DEFINITION OF "COMPOSTED MATERIALS" IN WAC 1730350 SECTION 220. THIS CODE IS AVAILABLE AT THE DEPT. OF ECOLOGY'S WEBSITE:
http://www.ecy.wa.gov/programs/swfa/compost/
1. THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER COTECT OF 35%-65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1.

2. THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.

LEGEND

- PROPOSED TREE PROTECTION FENCE, SEE SHEET L1.7
- RETAINING WALL, SEE CIVIL SHEET C04
- NOXIOUS WEED REMOVAL ONLY
- LAWN
- LANDSCAPE BEDS
- EXISTING LAWN AND TREES TO REMAIN

PRELIMINARY - NOT FOR CONSTRUCTION

STATE OF WASHINGTON
SUSAN M. MAR
STATE REGISTERED LANDSCAPE ARCHITECT
5-6-20

OWNER
INLAND CONSTRUCTION
120 W. CATALDO AVE., STE 100
SPOKANE, WA 99201

NO.	DATE	BY	REVISIONS

WCE
WHIPPLE CONSULTING ENGINEERS
23228 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PH: 509-892-2617 / FAX: 509-928-0227

CIVIL
STRUCTURAL
SURVEYING
TRAFFIC
PLANNING
X LANDSCAPE
OTHER

GOAT APARTMENTS
SOIL AND VEGETATION PLAN
3300 CAPITAL MALL DR. SW BLK
OLYMPIA, WA 98502

DRAWN:	HMS
REVIEWED:	SMM
SCALE:	1"-30'
PROJ #:	20-2599
DATE:	05/06/20

SHEET
L1.3

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REFERENCE_NOTES_SCHEDULE

SYMBOL	DESCRIPTION	QTY	DETAIL
	EXISTING LANDSCAPE	31,884 SF	

GRAPHIC SCALE
(IN FEET)
1 inch = 40 ft.

OVERVIEW

LEGEND

SYMBOL	DESCRIPTION	QTY	DETAIL
	PROPOSED HARD SURFACE AREA	47,714 SF	
	PROPOSED LANDSCAPING AREA	45,998 SF	
	EXISTING LANDSCAPE		

PRELIMINARY - NOT FOR CONSTRUCTION

STATE OF WASHINGTON
SUSAN MARIE MAY
STATE REGISTERED LANDSCAPE ARCHITECT
5-6-20

OWNER
INLAND CONSTRUCTION
120 W. CATALDO AVE., STE 100
SPOKANE, WA 99201

NO.	DATE	BY	REVISIONS

WCE
WHIPPLE CONSULTING ENGINEERS
23128 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PH: 509-926-2017 FAX: 509-926-0227

- CIVIL
- STRUCTURAL
- SURVEYING
- TRAFFIC
- PLANNING
- X LANDSCAPE
- OTHER

GOAT APARTMENTS
SITE-LANDCAPE AND HARDSCAPE
3300 CAPITAL MALL DR. SW BLK
OLYMPIA, WA 98502

DRAWN:	HMS
REVIEWED:	SMM
SCALE:	1"=20'
PROJ #:	20-2599
DATE:	05/06/20

SHEET
L1.4

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LANDSCAPE NOTES:

1. NO PLANTING SHALL BE DONE UNTIL INSTALLATION OF THE SPRINKLER SYSTEM IS COMPLETED, FINAL GRADES HAVE BEEN ESTABLISHED, PLANTING AREAS HAVE BEEN PROPERLY GRADED AND PREPARED AND THE WORK APPROVED BY THE LANDSCAPE ARCHITECT.
2. ALL PLANTS TO BE APPROVED BY THE DESIGNER OF THIS PLAN.
3. CONTRACTOR IS RESPONSIBLE FOR CHECKING ANY QUESTIONABLE NOTE, PLANT NAMES, SIZES, AND QUANTITIES.
4. IN THE EVENT OF DISCREPANCY OR SITE FACTORS AFFECTING INSTALLATION AS PER PLAN NOTIFY THE LANDSCAPE ARCHITECT.
5. ALL LAWN AREAS AND PLANTING BEDS SHALL BE STRIPPED AND CLEARED OF WEEDS, ROOTS, LAWN, AND DEBRIS. SPECIFIED LANDSCAPE AREAS SHALL BE RAKED TO A SMOOTH AND EVEN GRADE, AND ROCK/DEBRIS LARGER THAN 1.5" TO BE REMOVED.
9. TOP SOIL TO BE INSTALLED TO A DEPTH OF 4", IN LAWN AREAS, UNLESS OTHER WISE NOTED. TOPSOIL BROUGHT TO THE SITE SHALL BE SANDY LOAM THAT IS NON-TOXIC, WELL-DRAINED AND FREE OF NOXIOUS WEEDS. GRASS, BRUSH, STICKS ROCKS, GREATER THAN 1" DIAMETER COARSE GRAVEL, HARD CLAY, AND OTHER DEBRIS UNLESS OTHERWISE NOTED, FINAL GRADE SHALL BE RAKED SMOOTH AND EVEN.
10. SUB GRADE IN ALL LANDSCAPE AREAS TO BE +/-0.5'.
11. TREE PLANTING SPECIFICATIONS
    - A. TREE PLANTING HOLES SHALL BE 3-5 TIMES THE DIAMETER OF THE ROOT BALL OF THE TREE TO BE PLANTED. THE TREE SHOULD BE CENTERED IN THE HOLE.
    - B. ROPES, STRINGS, BURLAP AND OTHER WRAPPING SHALL BE REMOVED FROM THE ROOT BALL. PLASTIC CONTAINERS AND WIRE BASKETS SHALL BE REMOVED ENTIRELY BEFORE TREE IS PLACED IN THE PLANTING HOLE.
    - C. SOIL UNDER THE TREE ROOT BALL WILL REMAIN UNDISTURBED TO SUPPORT ROOT BALL AND REDUCE SETTING.
    - D. THE ROOT COLLAR SHALL BE LEVEL OR UP TO 1 INCH ABOVE THE FINISHED GRADE.
    - E. BACKFILL USING EXISTING SOIL. WATER THOROUGHLY TO ELIMINATE AIR POCKETS. DO NOT TAMP.
    - F. COVER THE TREE RING AREA (MINIMUM OF 6' DIAMETER) WITH 2 TO 4 INCHES OF ORGANIC MATERIAL. MULCH SHOULD BE NO CLOSER THAN 4 INCHES FROM THE ROOT COLLAR OF THE TREE.COMPOST OR WOOD CHIPS ARE ACCEPTABLE MULCH MATERIALS. DO NOT USE ROCK AS MULCH.
    - G. STAKE ONLY IF NECESSARY FOR STABILITY. TIES SHOULD BE TIGHT ENOUGH TO SUPPORT THE TREE WHILE ALLOWING THE TREE TO SWAY. ALL TIES AND STAKES SHALL BE REMOVED WITHIN A YEAR. IF THE TREE STILL REQUIRES SUPPORT, CONTRACTOR MUST REPLACE TREE.
    - H. WATER NEW TREES TO A DEPTH OF 12 TO 18 INCHES AT LEAST ONCE A WEEK DURING THE FIRST THREE GROWING SEASONS. DURING PERIODS OF DROUGHT, NEW TREES NEED MORE FREQUENT WATERING. TREES SHOULD BE ON A SEPARATE ZONE FROM TURF.
    - I. MAINTAIN TREE RINGS (MULCHED AREA) OR INSTALL ADEQUATE EDGING MATERIAL TO KEEP TURF AND WEEDS OUT OF THE RING.
    - J. ROOT BARRIERS SHALL BE USED WHEN PLANTING TREES WITH FOUR FEET (4') OF ANY PUBLIC CURB OR SIDEWALK.
12. AMENDED BACKFILL FOR SHRUB PLANTING HOLES SHALL BE:
    A. 80% OF ON SITE SOIL.
    B. 20% OF ORGANIC AMENDMENT.
13. ALL PLANT MATERIAL SHALL CONFORM TO THE CURRENT AMERICAN ASSOCIATION OF NURSERYMEN'S NATIONAL STANDARD SPECIFICATIONS.
14.. ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED FOR 1-YEAR. LANDSCAPE CONTRACTOR SHALL REPLACE ANY PLANTS WHICH ARE DEAD, EXCEPT THOSE DUE TO VANDALISM OR NEGLECT, WITH PLANT MATERIAL EQUAL TO ORIGINAL.
15. CONTRACTOR SHALL VERIFY ALL QUANTITIES. IN THE CASE OF A DISCREPANCY, THE ILLUSTRATED LOCATIONS SHALL DICTATE COUNT.
16. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT AND OR THE OWNER.
17. THREE INCHES (3") OF 2" ROUND RIVER ROCK MULCH IS TO BE USED IN ALL SHRUB BEDS. UNLESS OTHERWISE NOTED. SPREAD PREEN OR EQUIVALENT, BEFORE BARK PLACEMENT, TO PREVENT WEEDS.
18. FERTILIZER TABLETS SHALL BE AGRIFORM "PLANTING TABLETS" AS MANUFACTURED BY AGRIFORM INTERNATIONAL CHEMICAL, INC. OR EQUAL, FERTILIZE ONLY AFTER THE FIRST YEAR PLANTED, ONLY IF THE PLANTS NEED FERTILIZER, PER THE FOLLOWING SCHEDULE:

PLANT SIZE	TABLET QUAN.	TABLET STRENGTH
1-2 GAL.	1	10 GRAM
5 GAL.	2	21 GRAM
3/4"-1 1/4" CAL.	4	21 GRAM

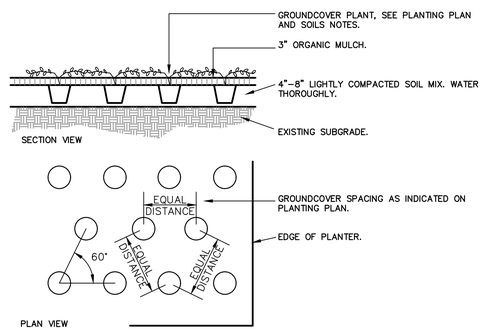
18. MAINTAIN A 2' MIN. SPACE BETWEEN BUILDING WALLS AND MATURE WIDTH OF ADJACENT PLANTS.
19. CONTRACTOR SHALL INSTALL LANDSCAPE EDGER PER PLAN.
20. SOILS:
    16% ALDERWOOD GRAVELLY SANDY LOAM, 0-8 PERCENTS SLOPES, FOUND ALONG ALTA AVE. ONLY.
    84% ALDERWOOD GRAVELLY SANDY LOAM, ON 8-15% SLOPES.
21. ALL LANDSCAPED AREAS SHALL BE PLANTED TO A DENSITY OF 80% COVERAGE AND MATURITY. GROUND COVER IS TO BE PLANTED IN A TRIANGULAR PATTERN, SEE SHEET L1.5 FOR DETAIL. ADDITIONAL PLANTINGS MAY BE REQUIRED UPON CITY INSPECTION PRIOR TO BUILDING PERMIT OCCUPANCY.
22. CONCRETE LANDSCAPE EDGER IS TO BE USED BETWEEN ALL LAWNS AND PLANTING BEDS, UNLESS OTHERWISE NOTED. SEE SHEET L1.5 FOR DETAIL.
23. AMENDED BACKFILL FOR PLANTING HOLDS SHALL BE:
    A. 9 PARTS OF VOLUME ON SITE SOIL.
    B. 1 PART OF VOLUME ORGANIC AMENDMENT.
24. IRRIGATED HYDROSEED SHALL BE IN ALL LAWN AREAS, UNLESS OTHERWISE NOTED.
25. PLANTINGS IN PARKING LOT ISLANDS AND PERIMETER PLANTING AREAS MUST BE 60% NATIVE.
26. ALL DISTURBED AREAS SHALL BE HYDROSEEDED WITH EROSION CONTROL MIX.

IRRIGATION NOTES:

1. IRRIGATED HYDROSEED SHALL BE IN ALL LAWN AREAS, UNLESS OTHERWISE NOTED.
2. IRRIGATION SYSTEM IS DESIGN BUILD: IRRIGATION POINT OF CONNECTION IS AT WATER STUB. INSTALL METER, BACKFLOW PREVENTION DEVICE, IRRIGATION CONTROLLER, VALVES AND IRRIGATION PIPE AND EMITTERS/HEADS. ALL MAINLINES SHALL BE SCH. 40 P.V.C. ALL LATERAL LINES SHALL BE POLY N.S.F. 100 PSI. ALL IRRIGATION PIPING SHALL BE SIZED NOT TO EXCEED (5) FEET PER SECOND, MAXIMUM VELOCITY. CONTRACTOR SHALL GUARANTEE IRRIGATION SYSTEM FOR ONE YEAR AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP. ANY REPAIRS REQUIRED DURING THIS PERIOD, IF DUE TO DEFECTIVE MATERIALS OR WORKMANSHIP, SHALL BE MADE BY THE CONTRACTOR AT NO COST TO THE OWNER. A DRIP SYSTEM SHALL BE DESIGNED FOR TREES AND SHRUBS ON SEPARATE ZONES FROM LAWN AREA. LAWN AREAS SHALL HAVE A 100% COVERAGE BY SPRINKLER HEADS.
3. TREES SHALL BE ON A SEPARATE IRRIGATION ZONE.
4. PROVIDE 4" PVC SLEEVES AS REQUIRED, WITH 24" OF COVER UNDER PAVEMENT, MIN.
5. 110-VOLT ELECTRICAL SERVICE FROM ELECTRICAL SOURCE TO IRRIGATION CONTROLLER. INCLUDING WIRE HOOK-UP, INTO CONTROLLER, IRRIGATION CONTRACTOR TO MOUNT CONTROLLER PER DESIGN AND COORDINATE WITH GENERAL CONTRACTOR.

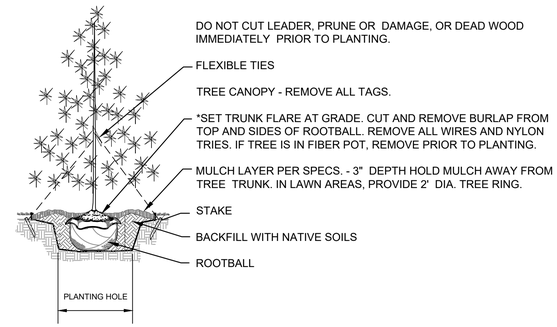
GENERAL NOTES:

1. SEE CIVIL PLANS FOR GRADING AND DRAINAGE INFORMATION.
2. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO INSTALLATION OR ANY DEMOLITION OF CONSTRUCTION OPERATIONS, ANY DAMAGE TO EXISTING UTILITIES ON SITE OR ADJACENT PROPERTY SHALL BE CONTRACTOR'S RESPONSIBILITY.
3. PRIOR TO DIGGING, VERIFY LOCATION OF ALL UNDER GROUND UTILITY I.E. CABLES, CONDUIT, GAS, WATER, SEWER, ELECTRICAL AND REPAIR ANY/ALL DAMAGE, NOT AN EXTRA COST TO THE OWNER.
4. INSTALLER RESPONSIBLE FOR ALL REQUIRED PERMITS AND LOCAL CODES.

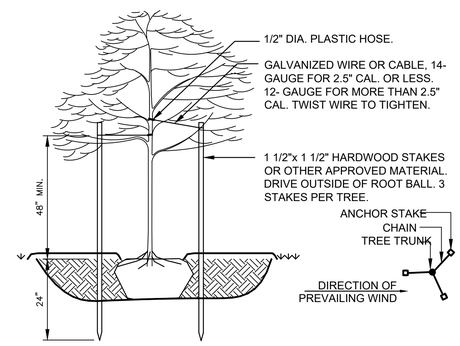


GROUNDCOVER PLANTING
NOT TO SCALE

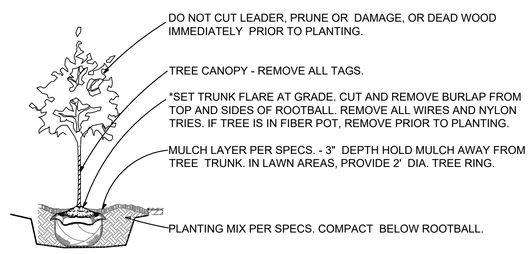
GROUNDCOVER IN PARKING LOT ISLANDS MUST BE PLANTED IN A TRIANGULAR PATTERN.



EVERGREEN TREE PLANTING
NOT TO SCALE

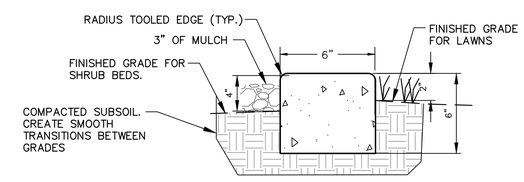


TREE STAKING
NOT TO SCALE



DECIDUOUS TREE PLANTING
NOT TO SCALE

NOTES:
* USE TRUNK FLARE TO DETERMINE THE REAL TOP OF THE ROOTBALL, THEN PLANT TRUNK FLARE AND TOP OF ROOTBALL AT GRADE.



NOTE:
1. INSTALL 1/2" EXPANSION JOINT MATERIAL WHEN CURBING MEETS ANY OTHER HARD SURFACE AND EVERY 20' INTERVAL.
2. EDGER SHALL BE USED BETWEEN PLANTING BEDS AND LAWN AREAS.

CONCRETE LANDSCAPE EDGER
NOT TO SCALE

PRELIMINARY - NOT FOR CONSTRUCTION

STATE OF WASHINGTON — SUSAN MARIE MAY — 40677 — REGISTERED LANDSCAPE ARCHITECT — 5-6-20

OWNER
INLAND CONSTRUCTION
120 W. CATALDO AVE., STE 100
SPOKANE, WA 99201

NO.	DATE	BY	REVISIONS

WCE
WHIPPLE CONSULTING ENGINEERS
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PH. 509-926-0017 / FAX. 509-926-0227

CIVIL
STRUCTURAL
SURVEYING
TRAFFIC
PLANNING
X LANDSCAPE
OTHER

GOAT APARTMENTS
LANDSCAPE DETAILS
3300 CAPITAL MALL DR. SW BLK
OLYMPIA, WA 98502

DRAWN:	HMS
REVIEWED:	SMM
SCALE:	N/A
PROJ #:	20-2599
DATE:	05/06/20

SHEET
L1.5

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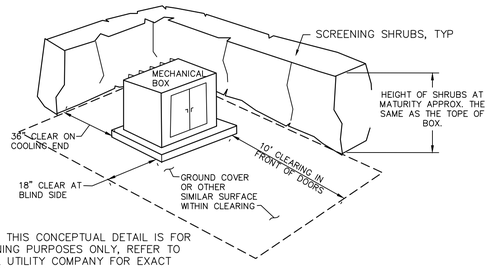
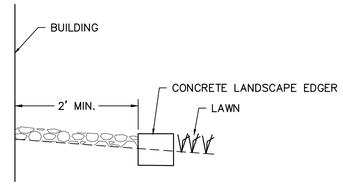


NOTE: THIS CONCEPTUAL DETAIL IS FOR PLANNING PURPOSES ONLY, REFER TO LOCAL UTILITY COMPANY FOR EXACT DIMENSIONS, PLACEMENT AND DESIGN.

PLANTING AT PAD-MOUNTED EQUIPMENT

NOT TO SCALE



NOTES:
1. USE AS A MULCH STRIP TO KEEP IRRIGATION OFF OF BUILDING.

BUILDING TO EDGER DETAIL

NOT TO SCALE

UB 36-2/UB 48-2 Specifications
36" and 48" DeepRoot® Tree Root Barrier

Specified tree root barrier is a mechanical barrier and root deflector used to prevent tree roots from damaging hardscapes and landscapes. Assembled in 24" (609 mm) long modules to create varying lengths for linear applications, or perimeter surround applications at minimum 8' (243cm) diameter.

A. Materials
1. The contractor shall furnish and install tree root barrier as specified. The root barrier shall be either product #UB 36-2 or UB 48-2 as manufactured by DeepRoot® Green Infrastructure, LLC, 530 Washington Street, San Francisco, CA, www.deeproot.com (800.458.7668).

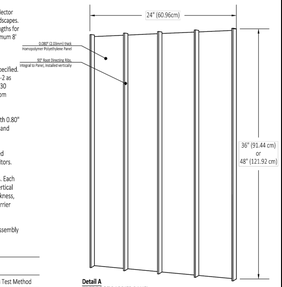
2. Root barrier shall be recyclable, black, extruded panels with 0.80" (2.03 mm) wall thickness in modules 24" (609 mm) long and either 36" (910 mm) or 48" (1,220 mm) deep.

3. Root barrier shall be manufactured with 100% reprocessed homopolymer polyethylene with added ultraviolet inhibitors.

4. Root barrier shall be comprised of 24" (609 mm) modules. Each panel shall have no less than four (4) Molded Integral Vertical Root Directing Ribs of a minimum 0.080" (2.03 mm) thickness, protruding 1.72" (12.7 mm) at 90° from interior of the barrier panel, spaced 6" (152.4 mm) apart. (See Detail A)

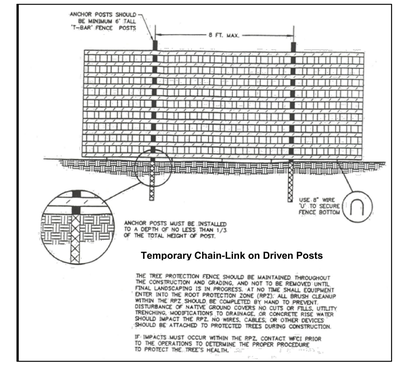
5. Root barrier shall have an integrated Joining System for assembly by sliding one panel into another.

Material and Thickness	Homopolymer Polyethylene 0.080 inch Extruded	
Properties	Typical Value	ASTM Test Method
Tensile stress @ yield	3800 PSI	D638
Elongation @ break %	10%	D638
Tensile Modulus	155,000 PSI	D638
Notched Izod Impact	0.4 - 4.0	D256A
Flexual Modulus 73 ‡ PSI	145,000	D790
Hardness Shore	P66	D2240



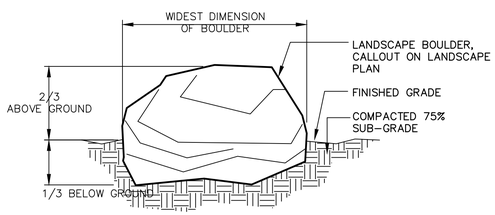
TREE ROOT BARRIER SPECIFICATIONS

NOT TO SCALE



TREE PROTECTION FENCE

NOT TO SCALE

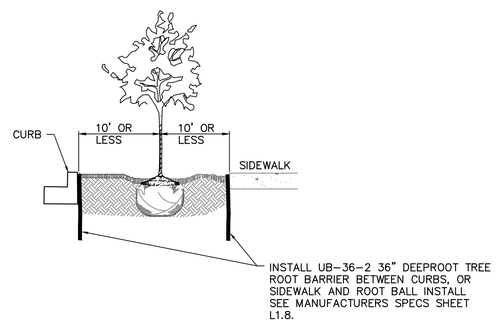


LANDSCAPE BOULDER

NOT TO SCALE

NOTES:
1. ALL LANDSCAPE BOULDERS SHALL BE SET UNDER DIRECTION OF LANDSCAPE ARCHITECT.

2. SEE LANDSCAPE PLAN FOR LOCATION, SIZE, AND NUMBER OF BOULDERS.



TREE ROOT BARRIER

NOT TO SCALE

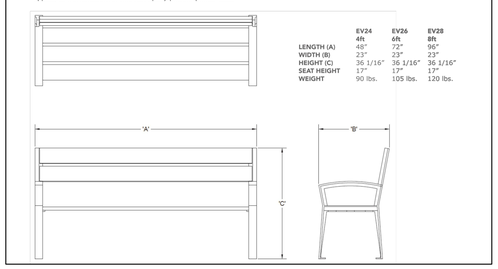
THE INSTALLATION OF ROOT BARRIERS IS REQUIRED BY COA ENGINEERING DESIGN STANDARDS FOR AREAS AFFECTING PUBLIC ROW SIDEWALKS AND PER ACC 18.50.040(C) FOR ON-SITE AREAS WHERE "TREES PLANTED WITHIN 10 OF A PUBLIC STREET, SIDEWALK, PAVED TRAIL, OR WALKWAY SHALL BE A DEEP-ROOTED SPECIES AND SHALL BE SEPARATED FROM HARDSCAPES BY A ROOT BARRIER TO PREVENT PHYSICAL DAMAGE TO PUBLIC IMPROVEMENTS."

EVERETT BENCH WITH BACK
Bench with back and flat bench are covered by Patent No. Des. D794,971. Litter receptacle is Exclusive By Design™.

KEYSHIELD® METAL FINISH
The trademarked KEYSHIELD® finish protects each piece of furniture from chipping, cracking, and UVA damage while providing unparalleled corrosion resistance. Steel products are finished with a two-coat powder coating process applied to a 7-15 mil thickness. Substrate preparation includes sandblasting to a white finish to remove all surface contaminants. The raw product then receives a corrosion-inhibiting phosphate coating prior to the application of the powder coating. The first coat applied to the substrate is zinc rich epoxy powder primer used exclusively on sandblasted parts. The second coat is a colored polyester powder coating. Both coats are electrostatically applied and oven cured according to powder coating manufacturing specifications to create a smooth, satin-like finish and a low-emitting non-porous armor.

FULLY ASSEMBLED UNIT
The Everett bench with back is manufactured in the USA as a fully assembled unit to provide ultimate stability and avoid damage during transit to the site, saving time and money.

MATERIALS
Fully-welded commercial-grade aluminum construction.



	EV24 4ft	EV26 6ft	EV28 8ft
LENGTH (A)	48"	72"	96"
WIDTH (B)	23"	23"	23"
HEIGHT (C)	36 1/16"	36 1/16"	36 1/16"
SEAT HEIGHT	17"	17"	17"
WEIGHT	90 lbs.	105 lbs.	120 lbs.

EVERETT BENCH DETAIL

NOT TO SCALE

HARMONY LITTER RECEPTACLE

The classic design of the Harmony litter receptacle allows you the freedom to coordinate with a bench series, or mix and match for an eclectic motif.

Click on the box(es) below to collapse product details, documentation and pricing.

- HIII-22 - Harmony litter receptacle 22 gal
- HIII-32 - Harmony litter receptacle 32 gal

Length:28 in.
Width: 28 in.
Height: 32 in.
Weight: 137
Price: $680.00

HARMONY LITTER RECEPTACLE DETAIL

Metal ADA Picnic Table - 8' Rectangle, Black

More Images & Video

Uline loves these! Attractive, rugged and built to last. Give your corporate office patio an upscale look.

- Thermoplastic coating withstands heat, cold and all weather elements. Rust free.
- High gloss, smooth surface allows for easy spray paint and graffiti removal.
- 9 gauge expanded metal with 2" black steel frame.
- Rounded corners for added safety.
- Wheelchair access with shorter benches.
- Mounting Hardware sold separately.

MODEL NO.	DESCRIPTION	SIZE L x W x H	WT. (LBS.)	PRICE EACH 1	PRICE EACH 3+	ADD TO CART
H-2673BL	8' ADA Rectangle	96 x 61 x 30 1/2"	160	$680	$630	1 ADD

DROP SHIPS IN 1 DAY FROM NC UNASSEMBLED VIA MOTOR FREIGHT

ULINE BENCH DETAIL

NOT TO SCALE

PRELIMINARY - NOT FOR CONSTRUCTION

STATE OF WASHINGTON
SUSAN MARIE MAY
5-6-20
REGISTERED LANDSCAPE ARCHITECT

OWNER
INLAND CONSTRUCTION
120 W. CATALDO AVE., STE 100
SPOKANE, WA 99201

NO.	DATE	BY	REVISIONS

WCE
WHIPPLE CONSULTING ENGINEERS
2528 NORTH SULLIVAN ROAD
SPOKANE VALLEY, WA 99216
PH: 509-926-0217 FAX: 509-926-0227

CIVIL
STRUCTURAL
SURVEYING
TRAFFIC
PLANNING
X LANDSCAPE
OTHER

GOAT APARTMENTS
LANDSCAPE DETAILS
3300 CAPITAL MALL DR. SW BLK
OLYMPIA, WA 98502

DRAWN:	HMS
REVIEWED:	SMM
SCALE:	N/A
PROJ #:	20-2599
DATE:	05/06/20

SHEET
L1.6

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