
APPENDIX D

**CITY WATER CONSERVATION LANDSCAPING AND
WATER WASTE ORDINANCE**

CITY of ALBUQUERQUE
ELEVENTH COUNCIL

COUNCIL BILL NO. 0-80 ENACTMENT NO. 18-1995

SPONSORED BY: Alan B. Armijo

1 ORDINANCE

2 CALLING FOR THE REDUCTION OF WATER USED FOR LANDSCAPING PURPOSES
3 IN ALBUQUERQUE; ADOPTING RECOMMENDATIONS OF THE WATER
4 CONSERVATION LANDSCAPING COMMITTEE; REPEALING THE EXISTING
5 ALBUQUERQUE WATER WASTE ORDINANCE, SECTION 6-1-1-1, ET SEQ. ROA
6 1994.

7 BE IT ORDAINED BY THE COUNCIL, THE GOVERNING BODY OF THE CITY OF
8 ALBUQUERQUE:

9 Section 1. SHORT TITLE. This ordinance shall be known as the Water
10 Conservation Landscaping and Water Waste Ordinance.

11 Section 2. INTENT.

12 (A) To implement the outdoor water use recommendations of the
13 Water Conservation Task Force, as called for in Resolution Bill No. R-58, Enactment
14 No. 49-1992, adopted by the Council in May of 1992.

15 (B) To assist in reducing overall per capita water use in the City by
16 30%.

17 (C) To reduce yard irrigation and irrigation-related water waste, which
18 comprise over 40% of the City's total annual water usage. To reduce peak summer
19 usage, which is two to three times winter usage and determines the need for capital
20 facilities to adequately meet system demand. To reduce irrigation water usage
21 without sacrificing landscape quality by using lower water use plants, improved design
22 and planting practices, different watering practices, and better irrigation system design
23 and maintenance.

24 (D) To revise and make more effective the Albuquerque Water Waste
25 Ordinance. To reduce water waste, i.e., overwatering, inefficient watering, or release
26 of excess water which generates fugitive water in the public right-of-way. To reduce

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1 damage to publicly owned streets and the public expenditures necessary to repair the
2 damage caused by this wasted water. To increase street safety by reducing the
3 potential of frozen water on City streets.

4 (E) To initially encourage voluntary water conservation for existing
5 single family residences while requiring conservation on all other properties. To apply
6 more stringent requirements to City owned facilities to set an example.

7 **Section 3. DEFINITIONS.**

8 **AUTOMATIC CONTROLLER.** A mechanical or solid state timer capable
9 of operating valve stations to set the days and length of time water is applied.

10 **BUBBLERS.** Irrigation heads which deliver water to the soil adjacent to
11 the heads.

12 **DISTURBED SLOPES.** Slopes that have been altered from their natural
13 configuration or vegetative cover by human activity.

14 **DRIP IRRIGATION.** Low pressure, low volume irrigation applied slowly,
15 near or at ground level to minimize runoff and loss to evaporation.

16 **EVAPOTRANSPIRATION.** The quantity of water evaporated from
17 adjacent soil surfaces and transpired by plants during a specific time.

18 **EVEN NUMBERED PROPERTIES.** Properties whose official address ends
19 in an even number, excluding public parks and golf courses. Landscaped areas
20 associated with a building will use the number of that building as their address. Only
21 one address shall be used for a large landscaped area associated with one building or
22 activity, even if the landscaped area is broken into many separate subareas.

23 **FLOW RESTRICTION DEVICE.** Device applied by the water utility to the
24 customer's meter that restricts the volume of flow to the customer.

25 **FUGITIVE WATER.** The pumping, flow, release, escape, or leakage of
26 any water from any pipe, valve, faucet, connection, diversion, well, or any facility for
27 the purposes of water supply, transport, storage, disposal, or delivery onto adjacent
28 property or the public right-of-way.

29 **HAND WATERING.** The application of water for irrigation purposes
30 through a hand-held hose, including hoses moved into position by hand and left to
31 flow freely or through a shut-off nozzle.

32 **HARVESTED WATER.** Precipitation or irrigation runoff collected, stored
33 and available for reuse for irrigation purposes.

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1 **HIGH WATER USE PLANTS.** Plants which require either large volumes
2 or frequent application of water throughout their life as specified in the "Albuquerque
3 Plant List" published by the City. Weekly or more application needed during peak
4 summer months.

5 **HIGH WATER USE TURF.** A surface layer of earth containing regularly
6 mowed grass, with its roots, which requires large volumes and/or frequent application
7 of water throughout its life. High water use grasses include but are not limited to
8 Annual Bluegrass, Kentucky Bluegrass, Perennial Ryegrass, Red Fescue, and Tall
9 Fescue.

10 **INFILTRATION RATE.** The amount of water absorbed by the soil per unit
11 of time, usually expressed in inches per hour.

12 **LANDSCAPE AREA.** The entire parcel less the building footprint,
13 driveways, non-irrigated portions of parking lots, hardscapes such as decks and
14 patios, and other non-porous areas. (Does not include public right-of-way.)

15 **LOW WATER USE PLANTS.** Plants which are able to survive without
16 supplemental water once established as specified in the "Albuquerque Plant List".
17 Application needed at least once a month for plants to thrive.

18 **MEDIUM AND LOW WATER USE TURF.** A surface layer of earth
19 containing regularly mowed grass, with its roots, which requires moderate or low
20 volumes and/or frequency of application of water once established. Low and medium
21 water use grasses include but are not limited to Bermuda and Bermuda hybrids,
22 Zoysia, blue grama, and Buffalo grass.

23 **MEDIUM WATER USE PLANTS.** Plants which require some supplemental
24 watering throughout the life of the plant as specified in the "Albuquerque Plant List".
25 At least twice a month application needed during the peak summer months once
26 established. The most appropriate species for a landscaped area will depend upon the
27 conditions of the particular site.

28 **MAYOR.** The Mayor of Albuquerque or his/her designated representative.

29 **MULCH.** Any material such as leaves, bark, straw, or other materials left
30 loose and applied to the soil surface to reduce evaporation. Organic mulches include
31 pine bark, compost, and woodchips. Inorganic mulches include rock, cobble, and
32 gravel.

33 **ODD NUMBERED PROPERTIES.** Properties whose official address ends

1 in an odd number, excluding public parks and golf courses. Large landscaped areas
2 associated with a building will use the number of that building as their address. Only
3 one address shall be used for a large landscaped area associated with one building or
4 activity, even if the landscaped area is broken into many separate subareas.

5 **PRECIPITATION RATE.** The amount of water applied per unit of time,
6 usually expressed in inches per hour.

7 **PRIVATELY OWNED PROPERTY.** All property within the City of
8 Albuquerque which is not owned by the City.

9 **PUBLIC RIGHT-OF-WAY.** The area of land acquired or obtained by the
10 City, County, or State of New Mexico primarily for the use of the public for the
11 movement of people, goods, and vehicles, but not including such property that is
12 landscaped.

13 **PUBLICLY OWNED PROPERTY.** Property owned by the City of
14 Albuquerque.

15 **RESPONSIBLE PARTY.** The owner, manager, supervisor, or person who
16 receives the water bill, or person in charge of the property, facility, or operation during
17 the period of time the violation(s) is observed.

18 **RUNOFF.** Water which is not absorbed by the soil or landscape to which
19 it is applied. Runoff occurs when water is applied too quickly (application rate
20 exceeds infiltration rate), particularly if there is a severe slope. This Ordinance does
21 not apply to storm-water runoff which is created by natural precipitation rather than
22 human-caused or applied water use.

23 **SHUT-OFF NOZZLE.** Device attached to end of hose that completely
24 shuts off the flow, even if left unattended.

25 **SINGLE FAMILY RESIDENTIAL.** A detached single family residential
26 structure.

27 **SPRINKLER HEAD.** A device which discharges water through a nozzle.

28 **STATIC WATER PRESSURE.** The pipeline or municipal water supply
29 pressure when water is not flowing. City system static water pressure is expected
30 to be at least 50 pounds per square inch except during peak hours of 7:00 a.m. to
31 9:00 a.m. and 7:00 p.m. to 9:00 p.m.

32 **VALVE.** A device used to control the flow of water in the irrigation
33 system.

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1 WATER HAMMER. A sudden surge of water, usually caused by sudden
2 shutoff of the water source.

3 WATER CONSERVATION OFFICER. City employee charged with
4 managing the water conservation effort.

5 WATER WASTE. The non-beneficial use of water supplied by the
6 municipal water supply system. Non-beneficial uses include but are not restricted to:

7 (1) Landscape water applied in such a manner, rate and/or
8 quantity that it regularly overflows the landscaped area being watered and runs onto
9 adjacent property or public right-of-way;

10 (2) Landscape water which leaves a sprinkler, sprinkler system,
11 or other application device in such a manner or direction as to spray onto adjacent
12 property or public right-of-way;

13 (3) Washing down of hard surfaces such as parking lots,
14 aprons, pads, driveways, or other surfaced areas when water is applied in sufficient
15 quantity to flow from that surface onto adjacent property or the public right-of-way;

16 (4) Water applied in sufficient quantity to cause significant
17 ponding on impervious surfaces on private property.

18 Section 4. APPLICABILITY. All sections of the Ordinance, except Sections 7
19 through 10, apply to all properties within the City limits of Albuquerque and/or served
20 by the municipal water utility. Compliance with these Sections is a condition of
21 service from the utility.

22 (A) Sections 7 through 10 (Planting Restrictions, Design Regulations,
23 Irrigation System Standards, and Landscape Plan Requirements) apply to all property
24 developed within the City limits after the effective date of the Ordinance and to
25 existing parks and golf courses. Sections 7 through 10 do not apply to properties
26 with an approved landscape plan, if the property is developed within three years of
27 the effective date of the Ordinance, excepting the water budget limitations for existing
28 parks and golf courses in Section 7. Sections 7 through 10 will apply to properties
29 with an approved landscape plan which are not developed within three years of the
30 effective date of this Ordinance.

31 (B) This Ordinance does not apply to water provided through the
32 Middle Rio Grande Conservancy District for irrigation purposes. Water obtained
33 through non-City water system sources, however, will be included in the calculation

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1 of inches per year for the water budgets for golf courses and parks, as described in
2 Section 7.

3 (C) Permits of Occupancy of any new construction should depend
4 upon compliance with all appropriate requirements of this Ordinance.

5 Section 5. WATERING RESTRICTIONS. These restrictions apply to all
6 properties within the City limits and/or served by the municipal water utility.

7 (A) All outdoor landscape watering on publicly owned property during
8 the months of April through September must occur between 5:00 p.m. and 10:00
9 a.m. This restriction serves as a guideline for landscape watering on privately owned
10 property. This restriction shall not apply to drip irrigation and low precipitation
11 bubblers, hand watering, or watering of containerized plants and plant stock.

12 (B) All outdoor watering on publicly owned property during the months
13 of December through March must occur between 10:00 a.m. and 2:00 p.m. This
14 restriction serves as a guideline for landscape watering on privately owned property.
15 This restriction shall not apply to drip irrigation and low precipitation bubblers, hand
16 watering, or watering containerized plants and plant stock. This restriction shall not
17 apply to golf courses or parks that are in regular use or in use for a special event
18 during these hours.

19 (C) Shutoff nozzles are required on any hoses used for hand watering,
20 car washing (commercial and private), or other outdoor uses, excepting hoses on
21 single family residential. Back siphonage devices, to prevent the reverse flow of
22 water in lines from the irrigation system to the water supply, must be installed on
23 hose bibs prior to use of the shutoff nozzles, except on single family residential.

24 (D) All publicly owned properties other than parks and golf courses
25 shall water no more than every other day. All even numbered properties shall water
26 only on even numbered dates. All odd numbered properties shall water only on odd
27 numbered dates. This restriction serves as a guideline for landscape watering on
28 privately owned property.

29 (E) Restrictions in Items (A) through (D) do not apply to the following:

30 (1) Outdoor irrigation necessary for the establishment of newly
31 sodded lawns and landscaping within the first 30 days of planting. Watering of newly
32 seeded turf within the first year of planting;

33 (2) Irrigation necessary for one day only where treatment with

1 a commercial application of chemicals requires immediate watering to preserve an
2 existing lawn or to establish a new lawn;
3 (3) Water used to control dust or compact soil;
4 (4) Manual operation of automatic systems for very short
5 periods of time to check system condition and effectiveness.

6 Section 6. WATER WASTE. These restrictions apply to all properties within
7 the City limits and/or served by the municipal water utility.

8 (A) No person, firm, corporation, or municipal or other government
9 facility or operation shall waste, cause or permit to be wasted any water provided by
10 the municipal water supply system of the City of Albuquerque.

11 (B) No person, firm, corporation, or municipal or other government
12 facility or operation shall cause or permit the flow of fugitive water onto adjacent
13 property or public right-of-way.

14 (C) The restrictions in Subsections (A) and (B) of this Section do not
15 apply to the following:

16 (1) Storm run-off allowed under provisions of the City's
17 Drainage Ordinance;

18 (2) Flow resulting from temporary water supply system failures
19 or malfunctions. These failures or malfunctions shall be repaired as quickly as
20 possible;

21 (3) Flow resulting from fire fighting or routine inspection of fire
22 hydrants or from fire training activities;

23 (4) Water applied as a dust control measure as may be required
24 under Section 8.0 of the Air Pollution Control Regulations;

25 (5) Water applied to abate spills of flammable or otherwise
26 hazardous materials, where water is the appropriate methodology;

27 (6) Water applied to prevent or abate health, safety, or accident
28 hazards when alternate methods are not available;

29 (7) Flow resulting from routine inspection, operation, or
30 maintenance of the municipal water supply system;

31 (8) Water used by the Traffic Engineering Division, City of
32 Albuquerque, in the course of installation or maintenance of traffic flow control
33 devices;

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1 (9) Water used by contractors or utilities in saw-cutting of
2 pavement, compaction, or other use required under terms of their contract.

3 Section 7. PLANTING RESTRICTIONS. The following specifications apply to
4 all new development approved following the effective date of this Ordinance.
5 Compliance with either the water budget approach described in Subsection (A) of this
6 Section or the restrictions proposed in Subsection (C) of this Section is required.
7 Subsection (C) of this Section will serve as general guidelines for developing the water
8 budget approach described in Paragraph (A) (1). Subsection (B) applies to all public
9 parks and public and private golf courses.

10 (A) Water Budget Approach

11 (1) Landscaping on privately owned properties shall meet the
12 following: Water Budget equals $(42)(.6)(LA)(.62)$, where:

13 (a) "Water Budget" means maximum annual water
14 allowance in gallons per year;

15 (b) "42" is the average annual water requirement in
16 inches per year based on historic City park and golf course use;

17 (c) ".6" is the adjustment factor to reduce water usage;
18 subject to change through Ordinance revisions as the conservation program becomes
19 more aggressive or moderate over time and as more actual data become available;

20 (d) "LA" is the landscaped area in square feet;

21 (e) ".62" is the conversion from inches per year per area
22 to gallons per year.

23 (2) Properties which are landscaped by this approach must
24 install an irrigation flow meter immediately downstream from the City water meter.
25 This meter will be installed at the property owner's expense and will accurately
26 measure the entire amount of water used for landscaping on the property. This meter
27 will be City property and will be accessible to the City's meter reader. If the decision
28 to use an irrigation meter is made after installation of a normal size meter box, thereby
29 requiring replacement of the smaller meter box, this replacement will be at the
30 property owner's expense.

31 (3) Any usage over the approved water budget will be subject
32 to the excess use surcharge(s) defined in the Albuquerque Water and Sewer Rates
33 Ordinance and established by the Mayor's rules and regulations promulgated pursuant

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1 to that Ordinance. This surcharge(s) will be calculated on an annual basis and applied
2 to the January water bill for the property. If two different surcharges are defined in
3 the Water and Sewer Rates Ordinance or the Mayor's rules and regulations, the
4 surcharge for excess usage up to 10% of the water budget shall be the lower of the
5 surcharges. The surcharge for excess usage over 10% of the water budget shall be
6 the higher of the surcharges.

7 (B) Water Budgets for Parks and Golf Courses

8 (1) Public parks and golf courses and private golf courses shall
9 use medium and low water use plants as much as possible. High water use turf shall
10 be allowed only in those areas with heavy usage or foot traffic, such as athletic fields,
11 playgrounds, and golf course tees, greens, and fairways.

12 (2) All existing public and private golf courses will be allowed
13 up to 44 inches of water per landscaped acre per year up to January 1, 1998. All
14 existing public and private golf courses will be allowed up to 40 inches of water per
15 landscaped acre per year between January 1, 1998 and January 1, 2001. Allowable
16 usage after January 1, 2001 will remain at 40 inches per landscaped acre per year
17 unless altered by amendment to this Ordinance, based on the City's conservation
18 goals and available technology. Private golf courses using privately owned wells must
19 report well usage to the City on a monthly basis. Any usage over the allowable
20 amount will be subject to the excess use surcharge(s) described in Paragraph (A) (3).
21 Usage will be calculated on a per individual park or per individual golf course basis.

22 (3) All new golf courses or existing golf course expansion
23 permitted by the City after the effective date of this Ordinance will be allowed up to
24 37 inches per landscaped acre per year. Any usage over the allowable amount will
25 be subject to the excess use surcharge(s) described in Paragraph (A) (3). The
26 landscaped area for new golf courses shall not exceed 90 acres per 18 holes or 45
27 acres per 9 holes.

28 (4) All existing public parks will be allowed up to 40 inches of
29 water per landscaped acre per year up to January 1, 1998. All existing public parks
30 will be allowed up to 35 inches of water per landscaped acre per year between
31 January 1, 1998 and January 1, 2001. Allowable usage after January 1, 2001 will
32 remain at 35 inches per landscaped acre per year unless altered by amendment to this
33 Ordinance, based on the City's conservation goals and available technology. Any

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1 usage over the allowable amount will be subject to the excess use surcharge(s)
2 described in Paragraph (A) (3) of this Section.

3 (5) All new public parks permitted after the effective date of
4 this Ordinance will be allowed up to 35 inches per landscaped acre per year. Any
5 usage over the allowable amount will be subject to the excess use surcharge(s)
6 described in Paragraph (A) (3) of this Section.

7 (C) Planting Restrictions Approach

8 (1) All publicly owned properties other than parks and golf
9 courses shall use medium and low water use plants on 100% of the landscaped area.

10 (2) All privately owned properties other than golf courses shall
11 use medium and low water use plants on a minimum of 80% of the landscaped area.

12 (3) All privately owned properties other than golf courses shall
13 not use high water use turf in more than 20% of the landscaped area.

14 (4) Due to plant availability, trees are exempt from the
15 restrictions in Subsection (C) of this Section, regardless of water use requirements,
16 until January 1, 1998. Trees shall be subject to the restrictions in Subsection (C) of
17 this Section beginning on January 1, 1998. Use of low water use trees between the
18 effective date of this Ordinance and January 1, 1998 is encouraged. (See
19 "Albuquerque Plant List")

20 Section 8. DESIGN REGULATIONS. The following regulations apply to all
21 property developed in the City after the effective date of this Ordinance. The
22 regulations do not apply to property developed prior to the effective date of this
23 Ordinance or to properties with an approved landscape plan, if the property is
24 developed within three years of the effective date of this Ordinance. These
25 regulations will apply to properties with an approved landscape plan which are not
26 developed within three years of the effective date of this Ordinance.

27 (A) High water use turf shall not be planted on slopes greater than 4:1.

28 (B) All existing disturbed slopes and all man made slopes shall receive
29 erosion control from plantings. Concrete, asphalt, or any other water and air
30 impervious paving/cover will not be allowed.

31 (C) High and medium water use turf shall not be planted in street
32 medians. Low water use turf may be planted in street medians greater than fifteen
33 feet wide if set back from the curb at least two feet.

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1 (D) Excepting for the allowance for medians in Subsection (B) of this
2 Section, no turf shall be planted within eight feet from the curb within the public right-
3 of-way. No high water use turf shall be planted in areas less than ten feet in any
4 dimension excepting within back or side yards of residential properties, or where
5 contiguous with turf on adjacent property so that the dimension totals ten feet
6 minimum. Turf areas within parking lots shall not be less than 15 feet in any
7 dimension.

8 (E) Any existing features should be evaluated for incorporation in
9 design to include natural drainages, rock outcroppings, strong stands of native
10 vegetation which can be protected, detention area where vegetation has grown and
11 is being supported by nuisance flows or harvested water.

12 (F) Fountains using over 500 gallons of make-up water (that is
13 consumed and must be replaced by addition of more water) per day will not be
14 approved except through special permit by the Water Conservation Officer. Multiple
15 fountains on the same property will be considered one fountain to determine usage.
16 Water used in fountains shall be recycled to minimize water usage and evaporation.

17 (G) Decorative ponds proposed for aesthetic or ornamental purposes
18 (that are not needed to retain storm drainage or for wetlands projects) and containing
19 more than one-half acre of surface area will not be approved, except through special
20 permit by the Water Conservation Officer. Multiple ponds on the same property will
21 be considered one pond to determine surface area. This does not apply to
22 government owned detention basins, which may contain more than one-half acre of
23 surface area.

24 **Section 9. IRRIGATION SYSTEM STANDARDS.** The following standards apply
25 to all new development except single family residential. The standards serve as
26 guidelines for single family residential development. General standards for irrigation
27 systems are included in Subsections (A) through (G) of this Section. Additional, more
28 specific guidance can be found in Section 1001, "Landscaping" of the "City of
29 Albuquerque Standard Specifications for Public Works Construction."

30 (A) Irrigation systems shall be designed to be in conformance with all
31 provisions of this Ordinance.

32 (B) Irrigation systems shall be designed to minimize water waste,
33 overwatering, overspraying, and susceptibility to vandalism.

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- 1 (C) Irrigation systems shall be designed to be site-specific, reflecting
2 plant type, soil type, infiltration rates, slopes, and prevailing wind direction.
- 3 (D) Irrigation systems shall be controlled by an automatic controller
4 having multiple programming capabilities. Irrigation systems shall be reprogrammed
5 as needed to reflect the age of plants and the season.
- 6 (E) Temporary irrigation systems shall be allowed for establishment
7 of erosion control and revegetation plants. They shall be removed at establishment
8 time.
- 9 (F) Valves shall be utilized to regulate water pressure, prevent water
10 hammer and possible damage to piping and fittings, and prevent line drainage.
- 11 (G) Sprinkler heads shall be installed at least eight inches away from
12 curbs in the public right-of-way or, in the absence of a curb, the outer edge of the
13 roadway and shall not spray toward the curb.
- 14 (H) Spray heads shall not be used in medians less than fifteen feet
15 wide. Low precipitation spray heads may be used in medians equaling or exceeding
16 15 feet in width, provided that these heads are located at least two feet from the curb
17 and spray away from the curb.
- 18 (I) Damaged or malfunctioning parts shall be replaced immediately.
- 19 (J) Effective March 1, 1996, all new turf landscaped areas of one to
20 ten acres shall have a Landscape Irrigation Audit performed by an authorized
21 Landscape Irrigation Auditor, certified by the Irrigation Association. The audits will
22 be conducted in accordance with the current edition of the Landscape Irrigation
23 Auditor's Handbook. The audit shall be performed prior to the installation of turf or
24 seed. The minimum efficiency requirements to meet in the audit are a 55%
25 distribution uniformity for all spray systems and a 65% distribution uniformity for all
26 rotary systems.
- 27 (K) Effective March 1, 1996, all new turf landscaped areas over ten
28 acres shall have the sprinkler heads tested for uniformity of performance using the
29 Center for Irrigation Technology's (CIT) Sprinkler Profile and Coverage Evaluation
30 (SPACE) program. These tests will be performed prior to the installation of the
31 irrigation system and the sprinkler heads shall have a scheduling coefficient of 1.3 or
32 less for full circle heads and 1.5 or less for partial circle heads, with one being perfect.
33 The sprinkler heads shall be installed in the spacing and pressure range tested.

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1 Section 10. LANDSCAPE PLAN REQUIREMENTS. Landscape planting and
2 irrigation system design plans are required for all development using a Water Budget
3 Approach and all new development or construction or building additions over 200
4 square feet with over 10,000 square feet of landscaped area. Additional information
5 on submittal of these plans can be found in Section 14-16-4-1 ROA 1994 of the
6 Zoning Code. These plans will include:

7 (A) Basic Site Information including north arrow, property lines,
8 adjacent public right-of-way, street names, location of existing and proposed building,
9 location of all existing and proposed driveways, parking areas, walks and other
10 pavement, retaining walls, fences, existing vegetation to remain, pools, ponds, water
11 features, and any other significant site features at a scale no smaller than one inch
12 equals 40 feet (one inch equals 20 feet preferred).

13 (B) Grading information including contour lines at one foot contour
14 intervals (may increase to five foot maximum if slopes exceed 2:1), proposed final site
15 grading for all paved and landscaped areas, and finish floor elevation of principal
16 (existing and proposed) on-site structures. Two copies must be provided. The
17 Grading and Drainage Plan prepared for project is acceptable.

18 (C) Planting information including type and size of existing vegetation
19 to remain, location, quantity, type (botanical and/or common name), and size of all
20 proposed plants, square footage of total turf, native seed, and shrub and tree planting
21 areas (indicate type of proposed mulch or vegetative groundcover), square footage of
22 ornamental pond areas, combined square footage for all landscaping, and total site
23 area.

24 (D) Irrigation system design information including tap-in location and
25 static water pressure at the point of connection, as provided by the City (location of
26 taps, backflow preventers, and valves may be adjusted according to site conditions
27 at time of installation), location, type, and size of all main irrigation system
28 components, including water meters, backflow preventers, shut-off valves and zone
29 control valves, system control, main line and lateral piping, and sprinkler heads,
30 bubblers, and drip irrigation tubing runs, manufacturer stated precipitation rates and
31 total required operating pressure for each control valve/zone.

32 (E) Irrigation management information including recommended monthly
33 and/or seasonal irrigation schedule for proposed system, stated as follows:

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- 1 (1) Run time per cycle for each control valve;
- 2 (2) Frequency of cycle for each control valve;
- 3 (3) Amount of applied water per month and/or season per each
- 4 control valve (optional);
- 5 (4) Total amount of applied water per month and/or season
- 6 (optional).

7 This information shall be provided to the property owner and/or manager
8 and shall be posted at the controller location. The schedule shall reflect site specific
9 conditions of soil, slope, ambient temperatures, winds, and humidity. Implementation
10 of the schedule shall be adjusted to reflect weather and is the responsibility of the
11 property owner.

12 **Section 11. VARIANCES AND APPEALS.** The Mayor shall be responsible for
13 the enforcement of this Ordinance. The Mayor may prescribe policies, rules, or
14 regulations to carry out the intent and purposes of this Ordinance.

15 (A) Variances to Section 5 Water Restrictions and Section 6 Water
16 Waste. Administrative variances to the restrictions in Section 5 and Section 6 may
17 be issued by the Mayor or his/her designee, provided that the general intent of this
18 Ordinance has been met, compliance with the Ordinance is proven to cause practical
19 difficulties and unnecessary hardship, and all options for abatement through modified
20 water management have been exhausted. The criteria to determine hardship shall
21 include level of capital outlay and time required to be compliance with this Ordinance.

22 Variances may be issued for a period not to exceed one year and shall
23 stipulate both short-term corrective measures and a schedule for completion of long-
24 term corrective measures. Variances must be renewed on an annual basis if long-term
25 corrective measures cannot be completed within one year.

26 (B) Appeal of Section 5 Watering Restrictions and Section 6 Water
27 Waste. Any responsible party may appeal fees for Section 5 Water Restriction
28 violations and Section 6 Water Waste restriction violations to the City Hearing Officer
29 by filing an appeal within seven calendar days of the date of violation. Such request
30 shall be made in writing and filed in the Office of the City Clerk. The appeal shall
31 identify the property and state the grounds of appeal together with all material facts
32 in support thereof. A filing fee of twenty dollars shall be added to the water bill in the
33 event the violation is upheld by the Hearing Officer. When a hearing is requested, the

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1 Hearing Officer shall send written notice by certified mail, return receipt requested,
2 to the appellant of the time and place of the hearing. At the hearing the appellant
3 shall have the right to present evidence as to the alleged fact upon which the Mayor
4 based the determination of the need for assessment of fee and any other facts which
5 may aid the Hearing Officer in determining whether this Ordinance has been violated.
6 The Hearing Officer shall, within seven working days following the hearing, issue a
7 written decision specifying the fee, if appropriate, and the action that must be taken
8 to avoid additional penalty. Fees will be void if the written decision is not issued
9 within seven working days.

10 (C) Judicial Review. The exclusive remedy for parties dissatisfied with
11 the action of the City Hearing Officer on Section 5 Watering Restrictions and Section
12 6 Water Waste shall be the filing of a petition for a writ of certiorari with the State
13 District Court. The petition for review shall be limited to the record made at the
14 administrative hearing held pursuant to this Ordinance.

15 (D) Variances to Sections 7, 8, 9, and 10 requirements. A variance
16 to the regulations in Sections 7, 8, 9, and 10 may be issued by the Mayor, through
17 the Zoning Hearing Examiner, provided that the general intent of this Ordinance has
18 been met and compliance with this Ordinance is proven to cause practical difficulties
19 and unnecessary hardship. The variance procedure for this Ordinance will comply
20 with the variance procedure in the Zoning Code, as described in Section 14-16-4-4
21 ROA 1994. Appeals of decisions of the Zoning Hearing Examiner are to the
22 Environmental Planning Commission. Appeals of decisions of the Environmental
23 Planning Commission are to the City Council. Appeal is made by filing written notice
24 with the Planning Department within 15 days after the request for variance has been
25 denied. Appeal procedures will comply with those in Zoning Code, Section 14-16-4-
26 4 ROA 1994.

27 Section 12. FEES.

28 (A) Fees and Restriction of Service. Any responsible party who
29 violates any of the provisions of Sections 5 and 6 of this Ordinance shall be subject
30 to progressively higher fees and flow restriction until the violation ceases or a variance
31 is granted. The assessment of fees and application of flow restriction shall be
32 consecutive without regard to the time that elapses between violations. Fees are
33 suspended and flow restriction may not be applied if an appeal is pending. The

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1 schedule for assessment of fees and application of flow restriction shall be as follows:

- 2 (1) First observed violation - \$20;
 - 3 (2) Second observed violation - \$50;
 - 4 (3) Third through fifth observed violation - \$100 per violation;
 - 5 (4) Sixth through eighth observed violation - \$200 per violation;
 - 6 (5) Eighth or more observed violation - application of flow
- 7 restriction device at meter. This device cannot be removed by the responsible party
8 and will not be removed by the utility until the responsible party adequately
9 demonstrates to the City that the violation has ceased or until a variance is granted.

10 (B) Assessment of Fees. Assessment of fees for violations of the
11 regulation in Sections 5 and 6 will be through the water bills for the responsible
12 party's water billing account. Fees shall be included in the water bill which is issued
13 within 30 days of the watering or water waste violation and shall be listed as a
14 separate line item on the water bill. Responsible parties shall be notified of the fee
15 through certified mail within 15 days of the violation. Fees must be paid within the
16 normal payment period allowed by the water billing system.

17 (C) Fines and Imprisonment. Any responsible party who violates any
18 provision of Sections 7 through 10 of this Ordinance shall be deemed guilty of a
19 misdemeanor, and upon conviction thereof, shall be punished by a fine not to exceed
20 \$500 and/or imprisonment in the City Jail for a period not to exceed 90 days.
21 Application of fines for violations of the regulations in Sections 7 through 10 will
22 comply with the Zoning Code, Section 7-14-46 ROA 1994.

23 (D) Effective March 1, 1996, in lieu of fees for violations of the
24 regulations in Sections 5 and 6, the responsible party may have a landscape water
25 audit performed by an authorized Landscape Irrigation Auditor, certified by the
26 Irrigation Association. The audit will be conducted in accordance with the current
27 edition of the Landscape Auditor's Handbook. The audit must be performed within
28 30 days of notification of violation and the audit recommendation must be
29 implemented within 60 days of the audit. If these deadlines are not met, the fees for
30 violation of the regulations will apply.

31 Section 13. EFFECTIVE DATE OF CERTAIN CONSERVATION MEASURES.
32 Conservation requirements as they apply to new construction shall take effect six
33 months after the effective date of this legislation.

1 Section 14. EVALUATION. After this Ordinance has been in effect for
2 approximately 12 months from the date of publication, a comprehensive evaluation
3 and analysis shall be conducted by the Public Works Department in which input is
4 received from residents, businesses, and others. This report shall be forwarded to
5 the City Council.

6 Section 15. REPEAL OF EXISTING ORDINANCE. Section 6-1-1-1 et seq. ROA
7 1994 Albuquerque Water Waste Ordinance is repealed.

8 Section 16. SEVERABILITY CLAUSE. If any section, paragraph, sentence,
9 clause, word or phrase of this Ordinance is for any reason held to be invalid or
10 unenforceable by any court of competent jurisdiction, such decision shall not affect
11 the validity of the remaining provisions of this Ordinance. The Council hereby declares
12 that it would have passed this Ordinance and each section, paragraph, sentence,
13 clause, word or phrase thereof irrespective of any provision being declared
14 unconstitutional or otherwise invalid.

15 Section 17. COMPILATION. This Ordinance shall be incorporated in and made
16 part of the Revised Ordinances of Albuquerque, New Mexico, 1994.


17 Section 18. EFFECTIVE DATE. This Ordinance shall take effect on February
18 1, 1995.

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1 PASSED AND ADOPTED THIS 6th DAY OF MARCH, 1995
2 BY A VOTE OF 7 FOR AND 1 AGAINST.

3 Yes: 7
4 No: Brasher
5 Excused: Gallegos

6 
7 Vincent E. Griego, President
8 City Council

9
10 APPROVED THIS 24th DAY OF March, 1995.

11 
12 Martin J. Chavez, Mayor
13 City of Albuquerque

14
15
16 ATTEST:
17 Millie Santillana
18 City Clerk

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ALBUQUERQUE PLANT LIST

This list is not all-inclusive. New plants will be added to the list through periodic revisions. Water requirements for trees are shown for informational purposes, but trees are not subject to the planting restrictions in the "Water Conservation Landscaping and Water Waste Ordinance."

Water Requirement:

- H = High water use. Either large volumes or frequent application of water is needed throughout the life of the plant; weekly or more often during peak summer months.
M = Moderate water use. Some supplemental water is needed throughout the life of the plant; at least twice monthly during peak summer months once established.
L = Low water use. Able to survive once established without supplemental water; water needed at least once a month for plants to look their best.

High Pollen Producer:

Indicated by italics.

Soils Suitability:

Suitable for any soil unless specific one listed.

<u>Scientific name</u>	<u>Common name</u>	<u>Water</u>	<u>Height</u>	<u>Sunlight</u>	<u>Soils</u>
LARGE DECIDUOUS TREES					
<i>Carya illinoensis</i>	<i>Pecan</i>	H	to 100'	Full	Clay
Catalpa speciosa	Catalpa	M	to 40'	Full	
Celtis occidentalis	Hackberry	M	to 40'	Full	
Fraxinus oxycarpa	"Raywood" Ash	H	to 35'	Full	
<i>Fraxinus pennsylvanica</i>	<i>"Marshall", "Summit," Patmore Ash</i>	H	to 60'	Full	
Fraxinus texana	Texas Ash	M	to 40'	Full	
<i>Fraxinus velutina</i>	<i>"Rio Grande/Fan-Tex", "Modesto" Ash</i>	H	to 40'	Full	
Gleditsia triacanthos var. inermis	Honey Locust	H	to 80'	Full	
Gymnocladus dioica	Kentucky Coffee	M	to 50'	Full	
Juglans major	Arizona walnut	H	30-50'	Full	
Juglans regia 'Carpathian'	Carpathian Walnut	H	to 20'	Full	
Maclura pomifera	Osage Orange	M	to 50'	Full	
Metasequoia glyptostroboides	Dawn Redwood	H	to 60'	Full	
Pistachia chinensis	Chinese Pistache	M	to 60'	Full	
Platanus wrightii	Arizona Sycamore	H	40-80'	Full	
Populus acuminata	Lanceleaf Cottonwood	H	to 50'	Full	
<i>Populus fremontii</i>	<i>Cottonwood</i>	H	40-80'	Full	
Quercus macrocarpa	Bur Oak	H	50-80'	Full	
Quercus texana	Texas Red Oak	H	to 40'	Full	
Robinia x ambigua	"Idaho", "Purple Robe" Locust	M	40-50'	Full	
Robinia pseudoacacia	Black Locust	M	40-80'	Full	
Tilia cordata	Littleleaf Linden	H	to 40'	Part/Full	
<i>Ulmus crassifolia</i>	<i>Cedar Elm</i>	H	to 40'	Full	
<i>Ulmus parvifolia</i>	<i>Chinese or Lacebark Elm</i>	M	to 50'	Full	

Scientific name Common name Water Height Sunlight Soils

EVERGREEN TREES

<i>Abies concolor</i>	White Fir	H	to 60'	Full	
<i>Cedrus atlantica</i>	Atlas Cedar	H	to 80'	Full	
<i>Cedrus deodara</i>	Deodar Cedar	H	to 80'	Full	
<i>Cedrus libani</i>	Cedar of Lebanon	H	to 80'	Full	
<i>Cercocarpus ledifolius</i>	Curleaf Mountain Mahogany	L/M	8-25'	Full	
<i>Cupressus arizonica</i>	Arizona Cypress	M	to 70'	Full	
<i>Cupressocyparis leylandii</i>	Leyland Cypress	M	to 60'	Full	
<i>Juniperus chinensis</i>	"Spartan", "Hetzi "Columnaris," "Keteleeri," "Robusta Green", "Torulosa" Juniper	M	varies by variety	Full	
<i>Juniperus deppeana</i>	Alligator Juniper	M	to 60'	Full	
<i>Juniperus monosperma</i>	One-seed Juniper	M	to 20'	Full	
<i>Juniperus scopulorum</i>	"Cologreen," "Blue Heaven", "Table Top," "Welchii," Rocky Mountain Juniper	M	to 50'	Full	
<i>Juniperus virginiana</i>	"Hillspire," "Caenaerti" "Emerald Sentinel," Eastern Red Cedar	M	40-60'	Full	
<i>Picea pungens</i>	Blue Spruce	H	to 80'	Full	
<i>Pinus aristata</i>	Bristlecone Pine	M	20 to 45'	Full	
<i>Pinus edulis</i>	Pinon	M	to 35'	Full	
<i>Pinus flexilis</i>	Limber Pine	M/H	to 30'	Full	
<i>Pinus nigra</i>	Austrian Pine	H	35'	Full	
<i>Pinus sylvestris</i>	Scotch Pine	M/H	45'	Full	
<i>Quercus turbinella</i>	Shrub Live Oak	M	5-15'	Full	
<i>Sequoia sempervirens</i>	Coast Redwood	H	to 100'	Full	
<i>Sequoiadendron giganteum</i>	Giant Sequoia	H	to 100'	Full	
<i>Taxus species</i>	Yew	H	variable	Shade	
<i>Thuja species</i>	Arbor vitae	M	variable	Full	
<i>Yucca elata</i>	Soaptree Yucca	L	10-17'	Full	Sandy
<i>Yucca faxoniana</i>	Palm Yucca	L	to 13'	Full	Sandy

SMALL DECIDUOUS TREES

<i>Albizia julibrissin rosea</i>	Mimosa	M	20'	Full	
<i>Celtis reticulata</i>	Western Hackberry	M	20-30'	Full	
<i>Cercis canadensis</i>	Eastern Redbud	H	to 40'	Part/Full	
<i>Cercis occidentalis</i>	Western Redbud	M	16'	Full	
<i>Cercis reniformis</i>	'Oklahoma' Redbud	M	to 25'	Part/Full	
<i>Chilopsis X Catalpa</i>	Chitalpa	M	to 25'	Full	
<i>Chilopsis linearis</i>	Desert Willow	L	to 25'	Full	Sandy
<i>Cotinus coggygria</i>	Smoketree	M	30'	Full	Sandy
<i>Crataegus ambigua</i>	Russian Hawthorn	M/H	15 to 25'	Part/Full	
<i>Crataegus crus-gallin</i> 'Inermis'	Thornless Cockspur Hawthorn	M	30'	Full	
<i>Crataegus laevigata</i>	English Hawthorn	M/H	15 to 25'	Part/Full	
<i>Crataegus phaenopyrum</i>	Washington Thorn	H	to 25'	Part/Full	
<i>Forestiera neomexicana</i>	New Mexico Olive	M	20'	Part/Full	
<i>Fraxinus cuspidata</i>	Fragrant Ash	M	to 20'	Full	
Fruit trees		H	to 25'	Full	

<u>Scientific name</u>	<u>Common name</u>	<u>Water</u>	<u>Height</u>	<u>Sunlight</u>	<u>Soils</u>
Koelreuteria paniculata	Golden Raintree	M	20-35'	Full	
Malus cultivars	Crabapples	H	varies	Full	
Melia azedarach 'Umbracu liformis'	Texas Umbrella Tree	L	to 40'	Full	
Prosopis glandulosa	Honey Mesquite	L/M		Full	
Prosopis pubescens	Scrubbean Mesquite	M		Full	
Prunus americana	American Plum	H	to 30'	Full	
Prunus armeniaca	Apricot	H	20'	Full	
Prunus cerastifera	Purpleleaf Plum	H	15 to 25'	Full	
Prunus virginiana	Chokecherry	H	to 20'	Full	
Ptelea trifoliata	Hoptree	M	20'	Full	
Pyrus calleryana	Ornamental Pear	H	to 25'	Full	
Quercus gambelii	Gambel's Oak	M	20-30'	Full	
Rhamnus cathartica	Buckthorn	H	20'	Full	
Rhus lanceolata	Prairie Flameleaf Sumac	M	to 25'	Part/Full	
Robinia neomexicana	Rose Locust	M	to 25'	Full	
Sambucus mexicana	Mexican Elder	L/M	to 20'	Full	
Sapindus drummondii	Soapberry	M	20-40'	Full	
Sophora japonica	Japanese Scholar Tree	H	to 35'	Part/Full	
Sorbus aucuparia	European Mountain Ash	H	to 25'	Part/Full	
Vitex agnus-castus	Chaste Tree	M	to 25'	Full	
Ziziphus jujuba	Chinese Date Jujube	L/M	20-30'	Full	

EVERGREEN SHRUBS

Abelia grandiflora	Glossy Abelia	H	5 to 10'	Part/Full	
Arctostaphylos pungens	Pointleaf Manzanita	M	3 to 6'	Partial	
Arctostaphylos uva-ursi	Kinnikinnick	M/H	6" X 24"	Shade	
Artemisia cana	Silver Sage	L	1 1/2 to 3'	Full	
Artemisia filifolia	Treadleaf or Sand Sage	L	2 to 5'	Full	Sandy
Artemisia tridentata	Bigleaf Sage	L	2 to 7'	Part/Full	Clay
Atriplex canescens	Fourwing Saltbush	L	2 to 5'	Full	Sand
Baccharis salicina	Desert Broom	L/M	6 to 7'	Full	Sandy
Berberis gladwynensis	'William Penn' Barberry	M/H	to 6'	Part/Full	
Berberis haematocarpa	Algerita	L/M	4 to 6'	Full	
Berberis mentorensis	Mentor Barberry	H	to 7'	Part/Full	
Cercocarpus montanus	Mountain Mahogany	M	4 to 12'	Full	
Cotoneaster buxifolius	Grayleaf Cotoneaster	M	1 to 6'	Full	
Cotoneaster congestus	Pyrenees Cotoneaster	M/H	to 3'	Part/Full	
Cotoneaster dammeri	'Coral Beauty', 'Eichholz' 'Lowfast'	M/H	1' X 6'	Part/Full	
Cotoneaster lacteus	Red Clusterberry, Parney Cotoneaster	M	6 to 8'	Full	
Cotoneaster salicifolius	Willowleaf Cotoneaster	M	to 15'	Full	
Cotoneaster salicifolius repens	Dwarf Willowleaf Cotoneaster	M	6"	Full	
Cowania mexicana	Cliffrose	L	4 to 20'	Full	
Cytisus scoparius	Scotch Broom	M	to 4'	Full	
Dasyllirion wheeleri	Sotol	L	3'	Full	Sandy
Elaeagnus pungens	Silverberry	M	6 to 15'	Full	
Ephedra viridis	Mormon Tea	L	2 to 4'	Full	Sandy
Ericameria laricifolia	Turpentine Bush	L	2 to 4'	Full	
Euonymus kiautschovia	'Mahattan' Euonymus	M	to 6'	Part/Full	

<u>Scientific name</u>	<u>Common name</u>	<u>Water</u>	<u>Height</u>	<u>Sunlight</u>	<u>Soils</u>
Eurotia lanata	Winterfat	L	12 to 24"	Full	Sandy
Fallugia paradoxa	Apache Plume	L	3 to 8'	Full	
Garrya Wrightii	Wright's Silk Tassel	L	2 to 8'	Full	
Genista hispanica	Spanish Broom	M	to 4'	Full	
Hesperaloe parviflora	Red Yucca	M	3 to 4'	Full	
Juniperus chinensis	"Ames", "Blue Point", "Fruitland," "Hetzii Glauca", "Old Gold", "Mint Julep", "Pfitzer", "Sargent", "Sea Green" Juniper	M	varies	Full	
Juniperus horizontalis	"Wilton Carpet", "Gray Carpet"	M	varies	Full	
Juniperus sabina	"Arcadia", "Buffalo", "Scandia", "Tam" Juniper	M	varies	Full	
Juniperus squamata	"Blue Carpet" Juniper	M	1'	Full	
Larrea tridentata	Creosotebush	L	3 to 6'	Full	
Lavandula angustifolia	English Lavender	M	2'	Part/Full	
Ligustrum japonicum	Waxleaf Privet	H	to 8'	Part/Full	
Mahonia aquifolium 'Compacta'	Oregon Grape Holly, Compact Oregon Grape Holly	M	to 6' 2'	Part/Full Part/Full	
Mahonia repens	Creeping Grape Holly	M	1' X 3'+	Shade	
Nandina domestica	Nandina	H	varies	Shade/Full	
Nolina microcarpa	Beargrass	L	to 4'	Full	
Nolina texana	Beargrass	L	to 2'	Full	
Opuntia clavata	Dagger Spine Cholla	L	3"	Full	Sandy
Opuntia imbricata	Cholla	L	4 to 15'	Full	Sandy
Opuntia phaeacantha	Prickly Pear	L	6" to 2'	Full	Sandy
Photinia fraseri	Photinia	M	to 10'	Full	
Prunus caroliniana	Carolina Cherry Laurel	H	to 15'	Part/Full	
Purshia tridentata	Antelope Bitterbush	L	to 10'	Full	
Pyracantha lelandii	Firethorn	M	8'+	Part/Full	
Raphiolepis indica	India Hawthorn	M	to 3'	Part/Shade	
Rosmarinus officinalis 'Prostratus'	Prostrate Rosemary	M	2'	Full	
Salvia dorrii	Desert Sage	L	1 to 3'	Full	
Santolina chamaecyparissus	Lavender cotton	L	1 to 3'	Full	
Santolina virens	Green Santolina	L	1 to 3'	Full	
Spartium junceum	Spanish Broom	M	6 to 10'	Full	
Vauquelinia californica	Arizona Rosewood	L	to 20'	Full	
Virburnum X burkwoodii	Burkwood Viburnum	H	5'	Part/Full	
Yucca baccata	Datil	L	to 3'	Full	Sandy
Yucca glauca	Soapweed	L	to 4'	Full	Sandy

DECIDUOUS SHRUBS

Amorpha fruticosa	False Indigo	M	4 to 10'	Partial	Clay
Anisacanthus thurberi	Hummingbird Trumpet	L/M	3-5'	Part/Full	
Berberis thunbergii	Japanese Barberry	M	1 to 6'	Part/Full	
B. thunbergii 'Atropurpurea'	Redleaf Barberry	M	4 to 6'	Full	
B. t. 'Atropurpurea Nana'	'Crimson Pygmy' Barberry	M	1' X 2'	Full	

<u>Scientific name</u>	<u>Common name</u>	<u>Water</u>	<u>Height</u>	<u>Sunlight</u>	<u>Soils</u>
Buddleia davidii nanhoensis	Dwarf Butterflybush	M	3 to 5'	Part/Full	
Caesalpinia gilliesii	Bird of Paradise	L	to 10'	Full	
Caragana sp.	Peashrub	M	to 20'	Full	
Caryopteris x clandonensis	Blue Mist	M	to 2'	Full	
Ceanothus fendleri	Ceanothus	M	to 3'	Full	
Celtis pallida	Desert Hackberry	L	to 18'	Full	
Chamaebatiaria millefolium	Fernbush	L/M	2 to 5'	Full	
Chaenomeles japonica	Flowering Quince	H	2 to 6'	Full	
Chrysothamnus nauseosus	Chamisa, Rabbitbush	L	2 to 5'	Full	
Cornus alba	Tartarian Dogwood	H	to 10'	Shade	
Cornus stolonifera	Redtwig Dogwood	H	7'	Shade/Part	
Cotoneaster apiculatus	Cranberry Cotoneaster	M/H	to 4'	Part/Full	
Cotoneaster divaricatus	Spreading Cotoneaster	M	to 6'	Part/Full	
Cotoneaster horizontalis	Rockspray Cotoneaster	M	2 to 3'	Full	
Euonymus alata 'Compacta'	Burning Bush	H	to 6'	Part/Full	
Fendlera rupicola	Cliff Fendlerbush	M	to 6'	Full	Sandy
Forestiera neomexicana	New Mexican Olive	M	to 15'	Part/Full	
Fouquieria splendens	Ocotillo	L	8 to 25'	Full	Sandy
Genista tinctoria	Summer Broom	M	2' X 4'	Full	
Hibiscus syriacus	Rose of Sharon	M/H	to 10'	Full	
Hippophae rhamnoides	Sea Buckthorn	H	to 30'	Full	
Holodiscus dumosus	Rock Spirea	M	3 to 6'	Part/Full	
Ilex cornuta	'Burford' Holly	H	to 10'	Shade	
Ilex wilsonii	Wilson Holly	H	to 8'	Shade	
Jasminum nudiflorum	Winter Jasmine	M	10 to 15'	Full	
Kolkwitzia amabilis	Beauty Bush	M/H	to 10'	Part/Full	
Lagerstroemia indica x fauriei	Crepemyrtle, "Pecos", "Zuni"	H	6 to 30'	Full	
Ligustrum vulgare	Common Privet	H	to 12'	Part/Full	
Lonicera fragrantissima	Winter Honeysuckle	M	to 5'	Part/Full	
Lonicera tartarica	Tartarian Honeysuckle	H	to 6'	Partial	
Parryella filifolia	Dunebroom	L	2 to 3'	Full	Sandy
Parthenium incanum	Mariola	L	1 to 3'	Full	
Philadelphus cultivars	Mockorange	M/H	to 10'	Part/Full	
Philadelphus microphyllus	Littleleaf Mockorange	M	to 6'	Part/Full	
Potentilla fruticosa	Shrubby Cinquefoil	H	1 to 3'	Shade/Part	
Prunus besseyi	Western Sand Cherry	M	2 to 3'	Full	
Prunus X cistena	Redleaf Plum Bush	H	to 6'	Full	
Prunus tomentosa	Nanking Cherry	H	6'	Full	
Psoralea scoparia	Broom Dalea	L	3'	Full	
Punica granatum	Pomegranite	H	20 to 30'	Full	
Rhamnus frangula 'Columnaris'	Tallhedge Buckthorn	H	to 10'	Shade	
Rhus glabra	Smooth Sumac	H	3 to 20'	Full	
Rhus glabra cismontana	Cutleaf Sumac	M	3 to 4'	Full	
Rhus microphylla	Littleleaf Sumac	L/M	3 to 6'	Full	
Rhus trilobata	Threeleaf Sumac	L/M	2 to 6'	Full	
Rhus trilobata 'Prostrata'	Prostrate Sumac	L/M	1 to 3'	Full	
Ribes aureum	Golden Currant	H	2 to 6'	Part/Full	
Rosa foetida	"Austria Copper", "Persian Yellow" Roses	H	5 to 10'	Full	
Rosa rugosa	Species Rugosa Roses	H	3 to 8'	Full	
Rosa woodsii	Woods Rose	M	to 4'	Full	

<u>Scientific name</u>	<u>Common name</u>	<u>Water</u>	<u>Height</u>	<u>Sunlight</u>	<u>Soils</u>
Salvia greggii	Cherry Sage	M	to 3'	Part/Full	
Shepherdia argentea	Silver Buffaloberry	M/H	10 to 15'	Part/Full	
Spiraea X bumalda	'Anthony Waterer' Spirea	H	to 3'	Part/Full	
Spiraea japonica	'Little Princess' Spirea	H	18"	Part/Full	
Spiraea prunifolia 'Plena'	Bridal Wreath/Shoebuttton	H	to 6'	Part/Full	
Spiraea vanhouttei	Bridal Wreath	H	to 6'	Part/Full	
Symphoricarpos albus	Snowberry	M	2 to 6'	Full	
Symphoricarpos orbiculatus	Coralberry	M	2 to 6'	Full	
Syringa rothomagensis	Chinese Lilac	M	to 8'	Part/Full	
Syringa patula 'Miss Kim'	Korean Lilac	M/H	to 6'	Part/Full	
Syringa vulgaris	Common Lilac	H	to 20'	Full	
Viburnum carlesii	Korean Spicebush	H	to 6'	Part/Full	
Viburnum plicatum tomentosum	Mariesii Viburnum	H	to 10'	Part/Full	
Viburnum opulus 'Sterile'	Snowball Bush	H	to 10'	Part/Full	
Viburnum trilobum compactum	Dwarf Cranberrybush	H	to 6'	Part/Full	
Vitex agnus-castus	Vitex	M	6 to 25'	Full	
Weigela florida	Weigela	M/H	to 10'	Full	

HERBACEOUS PERENNIALS AND ANNUALS*

Abronia sp.	Sand Verbena	L	to 24"	Full	Sandy
Achillea millefolium	Yarrow	H	12 to 36"	Part/Full	
Achillea taygetea	Moonshine Yarrow	H	12 to 24"	Part/Full	
Agave Parryi	Century Plant	L	24 to 36"	Full	Sandy
Agastache cana	Giant Hyssop	M	to 24"	Full	
Alcea rose*	Hollyhock	M	48 to 108"	Full	
Amsonia arenaria	Sand Stars	L	to 24"	Full	
Anacyclus depressus	Mat Daisy	M	3 to 6"	Part/Full	
Anchusa azurea*	Anchusa	M	36-60"	Part/Full	
Anemopsis californica	Yerba de Mansa	M	4 to 20"	Shade/Part	Clay
Antennaria rosea	Pussytoes	L	to 6"	Shade/Part	
Anthemis tinctoria	Golden Marguerite	M/H	2 to 3'	Full	
Arabis alpina	Mountain Rockcress	M/H	6"	Full	
Argemone squarrosa	Prickly Poppy	L	to 32"	Partial	
Armeria maritima	Thrift	M	6 to 12"	Full	
Artemisia abrotanum	Southernwood	M	to 3'	Part/Full	
Artemisia frigida	Fringed Sage	L	12 to 18"	Full	
Artemisia ludoviciana	Prairie Sage	L/M	24 to 30"	Full	Sandy
Artemisia pontica	Roman Wormwood	M	to 48"	Full	
Artemisia stelleriana	Beach Wormwood	M	1' X 2'	Part/Full	
Artemisia X 'Powis Castle'	'Powis Castle' Wormwood	M	to 2'	Part/Full	
Asclepias tuberosa	Butterflyweed	L	12 to 32"	Full	
Aster novae-angliae	Aster	H	12 to 48"	Full	
Baileya multiradiata*	Desert Marigold	L	12 to 24"	Full	
Berlandiera lyrata	Chocolate Flower	L	to 16"	Full	
Callirhoe involucrata	Poppy Mallow	L/M	to 24"	Full	
Calylophus species	Sundrops	L	6 to 20"	Full	
Campanula carpatica	Carpathian Harebells	H	8" X 24"	Shade	
Campanula rotundifolia	Harebells	H	18" X 24"	Shade	
Castilleja spp.	Indian Paintbrush	M	12 to 30"	Partial	
Centaurea cyanus	Cornflower	L/M	12 to 36"		

<u>Scientific name</u>	<u>Common name</u>	<u>Water</u>	<u>Height</u>	<u>Sunlight</u>	<u>Soils</u>
Centaurea cineraria	Dusty Miller	L/M	6 to 12"	Full	
Centranthus ruber	Valerian	M	18 to 36"	Part/Full	
Cerastium tomentosum	Snow in Summer	M	to 6"	Full	Sandy
Ceratostigma plumbaginoides	Dwarf Plumbago	M	24 to 48"	Shade/Full	
Chrysanthemum maximum	Shasta Daisy	H	24 to 48"	Full	
Chrysanthemum x morifolium	Chrysanthemum	H	12 to 36"	Full	
Chrysopsis villosa	Golden Aster	L	18" X 18"	Full	
Clarkia unguiculata*	Clarkia	H	12 to 36"	Full	
Consolida ambigua*	Larkspur	H	12 to 60"	Full	
Coreopsis lanceolata	Species & Hybrid Coreopsis	H	10 to 36"	Full	
Coreopsis verticillata	Threadleaf Coreopsis	H	to 24"	Full	
Cosmos bipinnatus*	Cosmos	M	36 to 96"	Full	
Delosperma cooperi	Purple Iceplant	L	to 5"	Full	Sandy
Delosperma nubigenum	Yellow Iceplant	M	1"	Full	Sandy
Dianthus barbatus*	Sweet William	M	10 to 20"	Part/Full	
Dianthus deltoides	Maiden Pink	M	8 to 12"	Part/Full	
Dicentra spectabilis	Bleeding Heart	H	18 to 24"	Shade	
Dictamnus spp.	Gas Plant	M	30 to 48"		
Dimorphotheca sinuata	African Daisy	M	4 to 12"		
Dyssodia acerosa	Wild Marigold	L	to 8"		
Echinacea purpurea	Purple Coneflower	H	48 to 60"	Full	
Echinops species	Globe Thistle	M	36 to 48"	Full	
Eriogonum umbellatum	Sulphur Flower	L	4 to 18"	Full	
Erysimum hieraciifolium	Siberian Wallflower	M	12 to 18"	Full	
Eschscholzia californica*	California Poppy	L	6 to 12"	Full	
Euphorbia marginata*	Snow on the Mountain	M	to 24"		
Euphorbia myrsinites	Blue Spurge	L	8 to 12"	Full	Sandy
Eustoma grandiflorum*	Tulip Gentian	L	12 to 18"	Part/Full	
Gaillardia x grandiflora	Gaillardia	M	24 to 48"	Full	
Gaura lindheimeri	Gaura	M	24 to 48"	Full	
Geranium macrorrhizium	Geranium	M/H	4" X 18"	Shade	
Geum ciliatum	Prairie Smoke	H	4 to 24"	Full	
Gilia tricolor*	Bird's Eyes	M	10 to 20"		
Gypsophila elegans*	Annual Baby's Breath	M	12 to 18"	Part/Full	
Gypsophila paniculata	Baby's Breath	M	24 to 36"	Part/Full	
Gypsophila repens	Creeping Baby's Breath	L/M	4 to 8"	Part/Full	
Helenium hoopesii	Common Sneezeweed	H	12 to 72"		
Helianthus annuus	Sunflower	H	to 120"	Full	
Helianthus maximilliaia	Maximillian Sunflower	H	to 120"	Full	
Hemerocallis hybrids	Daylilies	H	18 to 36"	Full	
Hesperis matronalis	Dames Rocket	H	24 to 36"		
Heuchera sanguinea	Coral Bells	H	15 to 30"	Shade/Part	
Hymenoxys argentea	Perky Sue	L	12"	Full	
Iberis sempervirens	Candytuft	H	9 to 12"	Shade/Part	
Iberis umbellata	Globe Candytuft	M	12 to 15"	Shade/Part	
Ipomoea leptophylla	Bush Morningglory	L	to 36"	Full	Sandy
Ipomopsis longiflora*	Blue Gilia	L	to 24"	Full	
Ipomopsis rubra*	Skyrocket	L	to 72"	Full	
Iris hybrids	Bearded Iris	M		Full	
Kniphofia uvaria	Red Hot Poker	L/M	36 to 60"	Full	
Lavandula angustifolia	English Lavender	L/M	36 to 48"	Full	
Liatri punctata	Gayfeather	L/M	12 to 36"	Full	Sandy

<u>Scientific name</u>	<u>Common name</u>	<u>Water</u>	<u>Height</u>	<u>Sunlight</u>	<u>Soils</u>
<i>Liatris scariosa</i>	Tall Gayfeather	M	30 to 40"	Full	Sandy
<i>Linaria maroccana</i>	Baby Snapdragon	M	to 18"	Full	
<i>Linaria vulgaris</i>	Butter & Eggs	M	9 to 18"	Full	
<i>Linum grandiflorum</i> 'Rubrum'	Scarlet Flax	M	12 to 18"	Full	
<i>Linum perenne</i>	Blue Flax	M	to 18"	Full	
<i>Lobelia cardinalis</i>	Cardinal Flower	H	24 to 48"	Shade/Part	
<i>Lobularia maritima</i> *	Sweet Alyssum	M	to 12"	Part/Full	
<i>Lupinus argenteus</i>	Silverstem Lupine	L	8 to 24"	Full	
<i>Lupinus perennis</i>	Sundial Lupine	H	to 24"	Full	
<i>Lupinus texensis</i>	Texas Bluebonnet	H	to 12"	Full	
<i>Lupinus hybrids</i>	Lupine	H	15 to 36"	Full	
<i>Machaeranthera bigelovii</i> *	Purple Aster	L	to 60"	Full	
<i>Melampodium leucanthum</i>	Blackfoot Daisy	L	6 to 16"	Full	
<i>Mirabilis jalapa</i>	Four-O'Clock	M	36 to 48"	Full	
<i>Mirabilis multiflora</i>	Giant Four O'Clock	L/M	to 18"	Full	
<i>Monarda citriodora</i>	Lemon Mint	H	to 24"	Full	
<i>Monarda didyma</i>	Beebalm	H	24 to 48"	Full	
<i>Monarda menthifolia</i>	Wild Bergemot	H	6 to 12"	Full	
<i>Nemophila menziesii</i> *	Baby Blue-Eyes	H	6 to 10"	Full	
<i>Nepeta mussini</i> syn <i>faassenii</i>	Catmint	M	8" X 24"	Shade/Full	
<i>Oenothera berlandieri</i>	Mexican Primrose	L/M	10 to 12"	Full	Sandy
<i>Oenothera caespitosa</i>	White Evening Primrose	L	10 to 12"	Full	Sandy
<i>Oenothera hookerii</i>	Evening Primrose	H	24 to 72"	Full	Sandy
<i>Oenothera missouriensis</i>	Yellow Evening Primrose	M	8 to 12"	Full	Sandy
<i>Oenothera pallida</i>	Pale Evening Primrose	M	12 to 18"	Full	Sandy
<i>Oenothera speciosa</i>	Mexican Evening Primrose	L/M	12 to 24"	Full	Sandy
<i>Papaver nudicaule</i>	Iceland Poppy	H	12-18"	Part/Full	
<i>Papaver orientale</i>	Oriental Poppy	M/H	18 to 36"	Shade/Part	
<i>Papaver rhoeas</i> *	Shirley Poppy	M	24 to 60"		
<i>Penstemon ambiguus</i>	Bush Penstemon	L	to 24"	Full	Sandy
<i>Penstemon angustifolius</i>	Narrowleaf Penstemon	L	to 12"	Full	Sandy
<i>Penstemon barbatus</i>	Scarlet Bugler	M	18 to 36"	Full	
<i>Penstemon cardinalis</i>	Cardinal Penstemon	L/M	to 30"	Full	
<i>Penstemon clutei</i>	Sunset Penstemon	L	to 24"	Full	
<i>Penstemon jamesii</i>	James Penstemon	L/M	to 10"	Full	
<i>Penstemon palmeri</i>	Palmer Penstemon	L	to 60"	Full	
<i>Penstemon pinifolius</i>	Pineleaf Penstemon	L/M	to 12"	Full	
<i>Penstemon pseudospectabilis</i>	Desert Beardtongue	L	to 36"	Full	Sandy
<i>Penstemon strictus</i>	Rocky Mountain Penstemon	M	to 24"	Full	
<i>Petalostemon purpureum</i>	Prairieclover	L/M	to 36"	Full	
<i>Perovskia atriplicifolia</i>	Russian sage	M	48 to 60 "	Full	Sandy
<i>Phlox paniculata</i>	Summer Phlox	H	36 to 48"	Full	
<i>Phlox subulata</i>	Creeping Phlox	M	to 6"	Full	
<i>Phyla nodiflora</i>	Creeping Lippia	M	to 3"	Full	
<i>Physalis lobata</i>	Purple Groundcherry	L/M	to 6"	Full	
<i>Physostegia virginiana</i>	False Dragonhead	H	to 4"	Full	
<i>Psilostrophe tagetina</i>	Paperflower	L	to 16"	Full	Sandy
<i>Ratibida columnifera</i>	Coneflower	L/M	to 32"	Full	
<i>Rudbeckia fulgida</i> "Goldsturm"	Goldsturm Rudbeckia	H	to 24"	Full	
<i>Rudbeckia hirta</i> <i>pulcherrima</i> *	Black-Eyed Susan	M	72 to 108"	Full	

<u>Scientific name</u>	<u>Common name</u>	<u>Water</u>	<u>Height</u>	<u>Sunlight</u>	<u>Soils</u>
Rudbeckia laciniata "Golden Glow," "Hortensiana"	Golden Glow	M	72 to 108"	Full	
Ruta graveolens	Rue	M	to 36"	Full	
Salvia azurea grandiflora	Pitcher Sage	M	36 to 48"	Full	
Salvia farinacea*	"Blue Bedder", "Victoria" Mealy Sage	M		Full	
Salvia greggii	Autumn or Cherry Sage	M	to 36"	Full	
Salvia officinalis	Garden Sage	M	to 24"	Full	
Salvia splendens*	Scarlet Sage	M	12 to 36"	Full	
Sanvitalia procumbens	Creeping Zinnia	L	4 to 6"	Full	
Saponaria ocymoides	Soapwort	M	6" X 18"	Shade/Part	
Scabiosa caucasica	Scabiosa	H	18 to 24"	Part/Full	
Sedum spectabile	Stonecrop	L/M	12 to 24"	Full	
Sedum spurium	Dragon's Blood Sedum	M/H	4" X 8"	Shade/Part	
Sedum x Autumn Joy	Autumn Joy Sedum	L/M	12 to 24"	Full	
Sempervivum tectorum	Hen and Chicks	M	3 to 4"	Full	
Senecio longiflora	Silver Groundsel	L	18 to 24"	Full	Sandy
Solidago hybrids	Goldenrod	M/H	12 to 36"	Part/Full	
Sphaeralcea coccinea	Scarlet Globemallow	L	to 20"	Full	
Stachys byzantina	Woolly Lamb's Ear	M	12 to 15"	Part/Full	
Tagetes erecta*	African Marigold	H	12 to 36"	Full	
Tagetes patula*	French Marigold	H	6 to 18"	Full	
Talinum calycinum	Flame Flower	L	to 8"		
Tanacetum densum-amani	Partridge Feather	L/M	to 12"		
Tanacetum vulgare	Tansy	M	to 36"	Part/Full	
Teucrium chamaedrys	Germander	M	to 12"	Part/Full	
Thelesperma ambigua	Threadleaf Cota	M	to 32"		
Thymus pseudolanuginosus	Wooly Thyme	M	2" X 18"	Shade/Full	
Thymus serpyllum	Creeping Thyme	M	2" X 18"	Shade/Full	
Verbena bipinnatifida	Fern Verbena	L	to 12"	Full	
Verbena x hybrida	Garden Verbena	M	6 to 12"	Full	
Verbena rigida	Purple Verbena	L	2 to 4"	Full	
Verbena wrightii	Western Vervain	L	12 to 32"	Full	
Vernonia incana	Woolly Speedwell	M	12 to 18"	Part/Full	
Veronica liwanensis	Turkish Speedwell	M	3" to 2'	Part/Full	
Veronica pectinate	Wooly Speedwell	M	3" to 18"	Part/Full	
Veronica spicata	Veronica	H	10 to 36"	Partial	
Vinca minor	Periwinkle	M/H	6" X 12"	Shade/Part	
Viola cornuta	Tufted Violet	H	4 to 12"	Partial	
Viola odorata	Sweet Violet	H	2 to 8"	Partial	
Viola x wittrockiana*	Pansy	H	to 9"	Full	
Wyethia scabra	Desert Mule's Ear	L	to 20"	Full	
Zauschneria californica	Hummingbird Plant	M	12 to 24"	Full	
Zinnia grandiflora	Desert Zinnia	L	to 8"	Full	Sandy

BULBS

Allium caeruleum, cernuum, christophii, karataviense, schoenoprasum, sphaerocephalum, tuberosum	Flowering Onions	M/H	12-24"	Full	
Crocus species	Crocus	L/M	4"	Full	
Fritillaria imperialis	Crown Imperial	M/H	to 4"	Part/Full	

<u>Scientific name</u>	<u>Common name</u>	<u>Water</u>	<u>Height</u>	<u>Sunlight</u>	<u>Soils</u>
Galanthus	Snowdrop	M	6 to 9 in	Shade	
Ipeion uniflorum	Starflower	M	6 to 8"		
Muscari armeniacum	Grape Hyacinth	M	4 to 8"	Partial	
Narcissus	Daffodil	M	to 18"	Part/Full	
Scilla siberica	Siberian Squill	M	to 6"	Shade/Part	
Tulipa acuminata, clusiana, kaufmanniana, chrysantha	Tulips	M	6 to 35"	Partial	

GROUND COVERS

Anacyclus depressus	Mat Daisy	L	3 to 12"		
Artemisia frigida	Fringed Sage	L	12 to 18"		
Baccaris pilularis 'Twin Peaks'	Dwarf Coyotebush	L	to 12"		
Cerastium tomentosum	Snow-In-Summer	M	6 to 8"		
Chamaemelum nobilis	Chamomile	L/M	3 to 12"		
Clematis ligusticifolia	Western Virginsbower	M	18 to 20"		
Convallaria majalis	Lily-Of-The-Valley	H	to 12"	Shade	
Cotoneaster dammeri	"Coral Beauty," "Eichholz","Lowfast," Bearberry Cotoneaster	M	3 to 6"		
Cytisus decumbens	Creeping Broom	M	to 8"		
Delosperma nubigenum	Ice Plant	L	to 12"		
Duchesnea indica	Mock Strawberry	M	to 8"	Partial	
Eriogonum umbellatum	Sulphur Flower	L	4 to 12"		
Euonymus fortunei colorata	Purpleleaf Wintercreeper	H	to 10"	Part/Full	
Euphorbia cyparissias	Cypress Spurge	M	to 12"		
Euphorbia epithymoides	Cushion Spurge	M/H	12 to 18"		
Euphorbia rigida	Spurge	L	to 24"		
Galium odoratum	Sweet Woodruff	H	6 to 12"	Part/Full	
Gysophila repens	Creeping Baby's Breath	M	4 to 8"		
Juniperus horizontalis	Juniper	M	4 to 18"	Full	
Lamium maculatum	Spotted Nettle	H	to 6"	Full	
Lantana montevidensis	Trailing Lantana	M	to 36"	Full	
Mahonia repens	Creeping Mahonia	M	to 36"	Shade/Part	
Melampodium leucanthum	Blackfoot Daisy	L	6 to 16"		
Oenothera sp.	Evening Primrose	L/M	8 to 24"		
Paxistima myrsinites	Oregon Boxwood	H	to 30"		
Penstemon caespitosus	Mat Penstemon	M	to 4"		
Phlox subulata	Moss Phlox	H	6 to 9"	Full	
Potentilla tabernaemontani	Spring Cinquefoil	M	2 to 6"		
Ranunculus repens	Creeping Buttercup	H	12 to 24"		
Santolina chamaecyparissus	Lavender-Cotton	L	12 to 36"		
Saponaria ocymoides	Soapwort	M	6 to 9"	Full	
Sedum spp.	Stonecrop	L/M	4 to 24"	Full	
Sedum spurium	Dragon's Blood Sedum	L	2 to 6"	Full	
Sempervivum tectorum	Hen and Chicks	M	to 4"	Full	
Thymus spp.	Lemon, Creeping, Wooley or Common Thyme	M	2 to 12"	Full	
Verbena peruviana	Verbena	L	to 4"	Full	
Veronica prostrata	Harebell Veronica	M	3 to 8"		
Vinca minor	Periwinkle	H	6 to 12"	Part/Full	
Zinnia grandiflora	Rocky Mt. Zinna	L	to 8"		

<u>Scientific name</u>	<u>Common name</u>	<u>Water</u>	<u>Height</u>	<u>Sunlight</u>	<u>Soils</u>
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VINES

<i>Campsis radicans</i>	Trumpet Vine	M	to 40'	Full	
<i>Clematis hybrids</i>	Clematis	H	to 15'	Shade/Part	
<i>Clematis ligusticifolia</i>	Western Virgin's Bower	M	to 20'	Shade/Part	
<i>Clematis tangutica</i>	Golden Lanterns	H	10 to 15'	Partial	
<i>Euonymus fortunei colorata</i>	Purpleleaf Wintercreeper	H	10" X 6'	Shade/Full	
<i>Hedera helix</i>	English Ivy, Hahn's Ivy	M/H	12" X 10'	Shade	
<i>Lonicera japonica 'Halliana'</i>	Hall's Honeysuckle	M	to 12"		
<i>Lonicera sempervirens</i>	Coral honeysuckle	M/H	to 8'	Shade/Part	
<i>Parthenocissus inserta</i>	Woodbine	M	to 100'	Full	
<i>Parthenocissus quinquefolia</i>	Virginian Creeper	M	to 100'	Full	
<i>Parthenocissus tricuspidata</i>	Boston Ivy	M	to 100'	Partial	
<i>Periploca graeca</i>	Silkvine	L/M	to 40'	Full	
<i>Polygonum aubertii</i>	Silver Lacevine	L/M	to 50'	Full	
<i>Rosa banksiae</i>	Lady Banks' Rose	M	to 20'	Full	
<i>Wisteria sinensis</i>	Wisteria	M/H	to 20'	Shade/Full	

GRASSES

<i>Agropyron Smithii</i>	Western Wheatgrass	H	12 to 30"	Full	
<i>Bouteloua curtipendula</i>	Sideoats Grama	M	12 to 40"	Full	
<i>Bouteloua gracilis</i>	Blue Grama	L/M	6 to 12"	Full	
<i>Buchloe dactyloides</i>	Buffalograss	L/M	4 to 12"	Full	
<i>Cortaderia selloana</i>	Pampas Grass	H	to 12'	Full	
<i>Eragroshs tricores</i>	Sand Lovegrass	M		Full	
<i>Erianthus ravennae</i>	Northern Pampas Grass	H	to 14'	Full	
<i>Festuca ovina</i>	Sheep's Fescue	H	to 8"	Partial	
<i>Festuca ovina glauca</i>	Blue Fescue	M/H	to 12"	Full	
<i>Festucaelatior</i>	Turf Tall Fescue	H	to 18'	Full	
<i>Helictotrichon sempervirens</i>	Blue Avena	M	to 24"	Full	
<i>Hilaria jamesii</i>	Galleta	L	12 to 14"	Full	
<i>Oryzopsis hymenoides</i>	Indian Ricegrass	L	12 to 24"	Full	
<i>Pennisetum alopecuroides</i>	Hardy Fountaingrass	M	to 30"	Full	
<i>Pennisetum setaceum</i> "Cupreum"	Fountain Grass	M	to 48"	Full	
<i>Pennisetum villosum</i>	Dwarf Feathertop	M	to 24"	Full	
<i>Poa protensis</i>	Kentucky Bluegrass	H	to 12"	Full	
<i>Schizachyrium scoparium</i>	Little Bluestem	M	to 30"	Full	
<i>Sporobolus cryptandrus</i>	Sand Dropseed	L	to 20"	Full	
<i>Sporobolus wrightii</i>	Giant Sacaton	M	to 36"	Full	

7/27/94