1. TURF GRASS – SOD

2. FINISHED GRADE FOR LAWN AREAS: 1-1/2" BELOW TOP OF HARDSCAPE FOR SOD

3. 4" DEPTH TOPSOIL – SEE PLANTING SPECIFICATIONS

4. UNDISTURBED SUBGRADE OR COMPACTED TO 95% MDD PER ASTM D-1557

5. HARDSCAPE
**NOTE:** PROVIDE CONSTRUCTION OR CONTROL JOINTS AT 5’ O.C. MAX. AND EXPANSION JOINTS WHERE MOWSTRIP ABUTS ANY MASONRY TYPE IMPROVEMENT.

1. 6”x6” CONCRETE MOWSTRIP (MIN. 2000 PSI AT 28 DAYS)
2. 1/2” RADIUS TROWLED EDGES (TYP.)
3. FINISH GRADE FOR LAWN AREAS: 1-1/2” BELOW TOP OF CONCRETE FOR SOD
4. #3 REBAR CONT. LAP 12” MIN. AT SPLICES.
5. UNDISTURBED SUBGRADE OR COMPACTED TO 90% MDD PER ASTM D-1557
6. 3” LAYER MULCH IN PLANTER BEDS (SEE PLANT SCHEDULE FOR MULCH TYPE)
7. FINISH GRADE AT 2” BELOW TOP OF CONCRETE FOR PLANTING BED AREAS
1. 12"x6" Concrete Mowstrip (min. 2000 PSI at 28 days)
2. 2" Radius Trowled Edges (typ.)
3. Finish grade for lawn areas: 1-1/2" below top of concrete for sod
4. #3 Rebar cont. lap 12" at splices.
5. Undisturbed subgrade or compacted to 90% MDD per ASTM D-1557
6. 3" layer mulch in planter beds (see plant schedule for mulch type)
7. Finish grade at 2" below top of concrete for planting bed areas

Note: Provide construction or control joints at 5' o.c. max. and expansion joints where mowstrip abuts any masonry type improvement.
1. 18"x6" CONCRETE MOWSTRIP (MIN. 2000 PSI AT 28 DAYS)
2. 1/2" RADIUS TROWLED EDGES (TYP.)
3. FINISH GRADE: 1-1/2" BELOW TOP OF CONCRETE FOR SOIL/SOD
4. FENCE AT CENTERLINE
5. #3 REBAR CONT. LAP 12" AT SPLICES.
6. 4" COMPACTED ROADBASE 95% MDD PER ASTM D-1557
7. UNDISTURBED SUBGRADE OR COMPACTED TO 90% MDD PER ASTM D-1557

NOTE: CONTRACTION JOINTS EVERY 10' MAXIMUM AND EXPANSION JOINTS EVERY 50' MAXIMUM
HERRIMAN CITY
ENGINEERING DEPARTMENT
LANDSCAPE
PERENNIAL PLANTING

1 [ROOT BALL]
2 CROWN — AT FINISHED GRADE
3 FINISHED GRADE
4 FINISHED GRADE AT SLOPE
(WHERE OCCURS)
5 UNDISTURBED SOIL
6 2X ROOTBALL DIA. MIN.
7 BACKFILL MIX — SEE PLANTING NOTES
8 TOP OF PAVING (WHERE APPLICABLE)
9 3" LAYER OF MULCH
(SEE PLANT SCHEDULE
FOR MULCH TYPE)
NOTE: STAKES SHALL BE REMOVED AFTER 1 FULL GROWING SEASON.
1. 2” Dia. or 2”x2” Sq. X 10’ Straight Wooden Stake (2 Required)

2. Prevailing Wind Direction


4. Tree Trunk

5. 3” Layer Mulch Around Each Tree (3’ Radius Circle When In Turf)

6. Watering Basin – See Tree/Shrub Planting Detail

7. Rootball

8. 24” Min.

9. See Tree/Shrub Planting Detail

Note: Stakes Shall Be Removed After 1 Full Growing Season.
1. PRUNE CIRCLING ROOTS, PROTRUDING ROOT STUBS, AND FIBROUS MATTED ROOTS FLUSH WITH THE ROOT BALL. HANDLE ROOT BALL WITH CARE. MINIMIZE CRUMBLING, CRACKING, AND SPLITTING.
2. AFTER PLACING THE TREE IN THE HOLE, REMOVE WIRE AND BURLAP. LEAVE NO TWINE OR BURLAP ON OR NEAR THE SURFACE OF THE BALL OR AROUND THE TRUNK. CUT VERTICAL SLITS IN BURLAP THAT REMAINS. DO NOT FOLD BURLAP INTO THE HOLE.
3. SLIDE ROOT BALLS OUT OF CONTAINERS. DO NOT PULL ON THE TRUNK. IF THE ROOT BALL IS TOO LARGE, CUT THE CONTAINER OFF AFTER THE TREE IS PLACED IN THE PLANTING HOLE.
4. USE SOIL REMOVED FROM THE HOLE AS BACKFILL. IF SOIL IS BASE COURSE MATERIAL, MIX WITH 1/3 ORGANIC MULCH. MIX THOROUGHLY.
5. COMPACT BACKFILL IN 6" LAYERS. WATER. ALLOW WATER TO SOAK DEEPLY INTO THE SOIL. MAKE SURE ROOT BALL GETS THOROUGHLY WET.
6. FERTILIZER SHALL BE PROVIDED IN EACH BASIN AT THE TIME OF INSTALLATION. FERTILIZER APPLICATION SHALL BE PER MANUFACTURER’S RECOMMENDATIONS.
HERRIMAN CITY
ENGINEERING DEPARTMENT
LANDSCAPE
GATE ASSEMBLY FOR TRAIL HEAD (OPTION A)

NOTES:
1. GATE MUST SWING INTO HERRIMAN CITY PROPERTY.
2. PRIME AND PAINT GATE ASSEMBLY GLOSSY BLACK.
3. THE PIPE FOR THE POST IS 6" SCHEDULE 40 STEEL PIPE.
4. THE GATE SHALL BE CONSTRUCTED OF 3" SCHEDULE 40 STEEL PIPE.
5. CUT AND WELD PIECES TO FIT. GRIND TO SMOOTH FINISH.
6. CONCRETE SHALL BE MIN. 3000 PSI AT 28 DAYS.

6" STEEL POST TO WHICH OPEN GATE MAY BE ATTACHED. USE LOOPED CHAIN TO SECURE GATE WHILE MAINTENANCE VEHICLES PASS THROUGH.
HERRIMAN CITY
ENGINEERING DEPARTMENT
LANDSCAPE
GATE ASSEMBLY FOR TRAIL HEAD (OPTION B)

HINGES MUST BE HEAVY DUTY HINGES FROM METAL MART PROPERLY WELDED TO POST AND GATE

3" SCHEDULE 40 PIPE TYP.

CONCRETE FOUNDATION 4,000 PSI

3" THICK ASPHALT PER CITY

6" THICK UNTREATED BASE COURSE COMPACTED PER CITY

6" DIAMETER SCHEDULE 40 PIPE FILLED WITH CONCRETE TYP.

PROPERLY PREPARED SUBGRADE OF FILL COMPACTED PER GEOTECHNICAL REPORT AND SPECIFICATIONS

0.25"X7"X5" STEEL PLATE

0.75"X1.25" CUTOUT TO MATCH LOCKING STUD ON 6" DIAMETER POST

1.25"X0.5"X1" STEEL PLATE

HOLE FOR LOCK PER CITY
LOCK PARTS LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>2</td>
<td>HINGES</td>
<td>2</td>
</tr>
<tr>
<td>B</td>
<td>2</td>
<td>METAL PLATE</td>
<td>5</td>
</tr>
<tr>
<td>C</td>
<td>1</td>
<td>2” SQ. TUBE</td>
<td>7</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>PAD LOCK</td>
<td>1</td>
</tr>
<tr>
<td>E</td>
<td>2</td>
<td>LOCKING PIN</td>
<td>6</td>
</tr>
<tr>
<td>F</td>
<td>1</td>
<td>POST</td>
<td>3</td>
</tr>
<tr>
<td>G</td>
<td>1</td>
<td>GATE</td>
<td>4</td>
</tr>
</tbody>
</table>

NOTES FOR LOCK PARTS:

1. ITS THE DEVELOPERS RESPONSIBILITY TO PROVIDE LOCKS FOR GATES. LOCK MUST BE KEYED TO HERRIMAN CITY STANDARD. LOCK IS TO BE A KRYPTONITE PL1002. LOCK CAN BE PURCHASED AT ARCHITECTURAL BUILDING SUPPLY (801)486-3481.
2. THE HINGES MUST BE HEAVY DUTY HINGES FROM METAL MART.
3. THE METAL PLATE SHOULD BE 2 1/2” X 4” AND 3/8” THICK WITH A 5/8” HOLE FOR THE LOCKING PIN TO GO THROUGH AND MUST BE CUT AND WELDED ON APPROXIMATELY A 30° ANGLE TO THE 3” SCHEDULE 40 PIPE.
4. THE LOCKING PIN IS MADE FROM 3/4” ROUND STALK THAT IS 7 1/2” TALL WITH A 2 1/2” BEND WITH A HOLE AT THE BOTTOM SO THAT THE LOCK CAN GO THROUGH.
5. THE TUBING SHALL BE 2 1/2” SQ TUBING WITH A CAPPED END AND SHALL BE 4” LONG WITH A 5/8” HOLE FOR LOCKING PIN TO GO THROUGH CUT AND WELD ON AT APPROXIMATELY 30° ANGLE TO THE 6” SCHEDULE 40 PIPE.
Paved Trail:

- ¾" aggregate bituminous asphalt per Herriman City asphalt specification or poured-in-place concrete per Herriman City specification.

- Compacted road base 95% MDD per ASTM D-1557 8' min.

Unpaved Trail:

- ½" minus recycled asphalt product or, with city engineer approval, compacted crusher fines (½" crushed aggregate rock).

- Compacted native subgrade 8' min.

6" UBC

6" aggregate material

3" asphalt

6" concrete

NOTE:

1. If trail abuts private property, trail edge needs to be offset a minimum of 3 ft. from property line or fence, whichever is more stringent.

2. If recycled asphalt product or crusher fines are used, treat with appropriate weed control product and ground sterilant if allowed to be applied per the label recommendations.
1. Concrete Curb Wall (4000 PSI at 28 Days)
2. Undisturbed or compacted sub grade to 95% MDD Relative Density
3. 2 #4 Rebar Cont. Top and Bottom
4. 6" Untreated Base Course compacted to 95% MDD per ASTM D-1557
5. 12" EWF Playground Fall Surfacing
6. Playground Finished Grade
7. ½" Radius
1. 4" CONCRETE WALK W/ 8"X24" DEEP EDGE (4000 PSI AT 28 DAYS)

2. UNDISTURBED OR 95% COMPACTED SUBGRADE

3. #4 REBAR CONT.

4. 4" UNTREATED BASE COURSE COMPACTED TO 95%
   MDD PER ASTM D-1557

5. 12" PLAYGROUND BARK

6. FINISH GRADE

7. 1/2" RADIUS

NOTE: CONTROL JOINT SPACING SHALL BE EQUAL TO WALK WIDTH. EXPANSION JOINTS SHALL BE PLACED EVERY ±40'.
HERRIMAN CITY APPROVED TREE LIST - JUNE 2020
(All park strip or parking lot island trees shall be deciduous.)

Botanical Name/Common Name

PLANTING WIDTHS - 3-5 FEET
Acer campestre / Hedge Maple
Acer ginnala / Amur Maple (tree form, all varieties)
Acer tataricum / Tatarian Maple (tree form)
Amelanchier x grandifolii 'Autumn Brilliance' / Apple Serviceberry
Carpinus betulus 'Frans Fontaine' / Frans Fontaine Hornbeam
Cercis canadensis var. / Eastern Redbud (all varieties)
Chitalpa x tashkentensis / Chitalpa (tree form)
Crataegus spp. / Hawthorn (thornless and flowering)
Koelreuteria paniculata / Goldenrain Tree
Maackia amurensis / Amur Maackia
Malus hybrid / Flowering Crabapple (fireblight resistant varieties)
Morus alba / White Mulberry (fruitless)
Morus rubra / Red Mulberry (fruitless)
Ostrya virginiana / Hop Hornbeam
Quercus robur fastigiata / Columnar English Oak
Syringa pekinensis / Chinese Lilac Tree
Syringa reticulata / Japanese Tree Lilac
Ulmus parvifolia / Lace Bark Elm
Zelkova serrata 'City Sprite' / City Sprite Japanese Zelkova

PLANTING WIDTHS - 5-10 FEET
Acer pseudoplatanus / Sycamore Maple
Acer rubrum / Red Maple
Acer truncatum x platanoides / (Norwegian Sunset, Urban Sunset)
Carpinus betulus / European Hornbeam (Fastigiata)
Celtis occidentalis / Common Hackberry
Corylus colurna / Turkish Filbert
Fagus sylvatica / European Beech
Gleditsia triacanthos / Honey Locust (thornless varieties)
Ginkgo biloba / Ginkgo Maidenhair
Gymnocladus dioicus / Kentucky Coffeetree (fruitless)
Maclura pomifera 'White Shield' / Osage Orange
Parrotia persica / Persian Ironwood
Quercus bicolor / Swamp Oak
### Botanical Name/Common Name

#### PLANTING WIDTHS - 3-5 FEET
- Quercus ellipsoidalis and cultivar 'Majestic Skies' / Northern Pin Oak
- Quercus macrocarpa / Bur Oak
- Quercus robur / English Oak
- Quercus rubra / Northern Red Oak
- Tilia cordata / Littleleaf Linden (several varieties)
- Tilia euchlora / Crimean Linden
- Tilia tomentosa / Silver Linden (several varieties)

#### FOR ALL PLANTING WIDTHS GREATER THAN 10 FEET (i.e. open space)
- Acer miyabei 'State Street' / State Street Maple
- Acer negundo 'Sensation' / Sensation Box Elder
- Aesculus glabra / Buckeye
- Aesculus x carnea / Horsechestnut (red)
- Albizia julibrissin / Mimosa
- Catalpa speciosa / Northern Catalpa
- Celtis reticulata / Netleaf Hackberry
- Cladrastis kentuckea / Yellowwood
- Cornus mas / Cornelian Cherry Dogwood
- Fagus sylvatica / European Beech
- Liriodendron tulipifera / Tuliptree
- Quercus alba / White Oak
- Quercus cerris / Turkey Oak
- Quercus muehlenbergii / Chinkapin Oak
- Quercus shumardii / Shumard Oak
- Tilia americana / American Linden
- Ulmus americana / American Elm (I.E. 'Colonial Spirit', 'Prairie Expedition' - survivors of Dutch Elm Disease)
- Ulmus hybrids / (i.e. 'Frontier' and 'Accolade')
- Ulmus propinqua 'Emerald Sunshine' / Emerald Sunshine Elm

#### CONIFERS: BEST IN GROUPINGS AT ENTRANCES TO DEVELOPMENTS, OPEN SPACES AN IN NON-TRADITIONAOUL PARKING STRIPS AT LEAST 20 FET WIDE
- Cedrus atlantica 'Glaucu' / Blue Atlas Cedar
- Cedrus deodara 'Karl Fuchs', Kashmir, 'Shalimar' / Deodar Cedar
- Chamaecyparis nootkatensis 'Pendula' / Weeping Alaska Cedar
HERRIMAN CITY APPROVED TREE LIST - JUNE 2020 (cont.)
(All park strip or parking lot island trees shall be deciduous.)

### Botanical Name/Common Name

- **Calocedrus decurrens** / Incense Cedar
- **Juniperus chinensis cultivars** / Chinese Juniper
- **Juniperus scopulorum** / Rocky Mountain Juniper
- **Pinus nigra (cultivars for columnar and dwarf)** / Austrian Pine
- **Pinus leucodermis 'Heldrechil'** / Bosnian Pine
- **Pinus sylvestris (cultivars for columnar and dwarf)** / Scotch Pine
- **Pinus strobus** / Eastern White Pine
- **Pinus flexilis 'Vanderwolf's Pyramid'** / Vanderwolf Pine
- **Juniperus virginiana** / Eastern Red Cedar
- **Pinus edulis** / Pinyon pine
- **Sequoiadendron giganteum** / Giant Sequoia
- **Taxodium distichum** / Bald cypress
- **Thuja orientalis** / Arborvitae (won’t grow on secondary water)

### Prohibited Street Trees

- **Acer saccharinum** / Silver Maple
- **Ailanthus altissima** / Tree of Heaven
- **Betula species** / Birch species
- **Eleagnus angustifolia** / Russian Olive
- **Fraxinus species** / Ash species
- **Populus species** / Cottonwood species
- **Prunus cerasifera** / Cherry Plum
- **Prunus padus** / May Day Tree
- **Pyrus calleryana** / Flowering Pear
- **Robinia species** / Locust species
- **Salix species** / Willow species
- **Sophora japonica** / Japanese Pagoda Tree
- **Ulmus pumila** / Siberian Elm
- **Ziziphus jujube** / Chinese Date
- All varieties of trees bearing fruits or nuts
- All conifer trees
- Thorned trees
# Herriman City Approved Upland See Mix - Sept. 2020

<table>
<thead>
<tr>
<th>Botanical Name/Common Name</th>
<th>LBS PL$/acre</th>
<th>% by Weight</th>
<th>% by Seed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grasses</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Achnatherum hymenoides / Indian Ricegrass</td>
<td>4.00</td>
<td>14.6%</td>
<td>10.0%</td>
</tr>
<tr>
<td>Elytrigia repens x Pseudoroegneria spicata 'Newhy' / Newhy Hybrid Wheatgrass</td>
<td>3.50</td>
<td>12.7%</td>
<td>8.7%</td>
</tr>
<tr>
<td>Elymus lanceolatus ssp. lanceolatus / Thickspike Wheatgrass</td>
<td>3.50</td>
<td>12.7%</td>
<td>9.6%</td>
</tr>
<tr>
<td>Elymus trachycaulus ssp. Trachycaulus 'Pryor' / Pryor Slender Wheatgrass</td>
<td>4.00</td>
<td>14.6%</td>
<td>11.3%</td>
</tr>
<tr>
<td>Festuca ovina 'Covar' / Covar Sheep Fescue</td>
<td>0.60</td>
<td>2.2%</td>
<td>7.2%</td>
</tr>
<tr>
<td>Poa secunda ssp. Sandbergii / Sandberg Bluegrass</td>
<td>0.40</td>
<td>1.5%</td>
<td>6.6%</td>
</tr>
<tr>
<td><strong>Forbs/Shtubs/Cover Crop</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Artemisia frigida / Fringed Sagebrush</td>
<td>0.03</td>
<td>0.1%</td>
<td>2.4%</td>
</tr>
<tr>
<td>Chrysothamnus viscidiflorus / Douglas Rabbitbrush</td>
<td>0.15</td>
<td>0.5%</td>
<td>6.6%</td>
</tr>
<tr>
<td>Oenothera pallida / White Evening Primrose</td>
<td>0.30</td>
<td>1.1%</td>
<td>2.7%</td>
</tr>
<tr>
<td>Triticum aestivum x Secale cereale / QuickGuard Sterile Triticale</td>
<td>6.00</td>
<td>21.8%</td>
<td>1.4%</td>
</tr>
</tbody>
</table>

*Rocky Mountain Wildflower Mix*

<table>
<thead>
<tr>
<th>Botanical Name/Common Name</th>
<th>LBS PL$/acre</th>
<th>% by Weight</th>
<th>% by Seed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linum perenne / Blue Flax</td>
<td>1.40</td>
<td>5.1%</td>
<td>7.3%</td>
</tr>
<tr>
<td>Sanguisorba minor / Small Burnet</td>
<td>0.40</td>
<td>5.1%</td>
<td>7.3%</td>
</tr>
<tr>
<td>Rudbeckia hirta / Black-eyed Susan</td>
<td>0.11</td>
<td>0.4%</td>
<td>3.3%</td>
</tr>
<tr>
<td>Eschscholzia californica / California Poppy</td>
<td>0.40</td>
<td>1.5%</td>
<td>2.3%</td>
</tr>
<tr>
<td>Cheiranthus allionii / Wallflower</td>
<td>0.29</td>
<td>1.1%</td>
<td>1.5%</td>
</tr>
<tr>
<td>Gaillardia pulchella / Firewheel</td>
<td>0.29</td>
<td>1.1%</td>
<td>0.8%</td>
</tr>
<tr>
<td>Lupinus sericeus / Silky Lupine</td>
<td>0.40</td>
<td>1.5%</td>
<td>0.1%</td>
</tr>
<tr>
<td>Penstemon strictus / Rocky Mountain Penstemon</td>
<td>0.23</td>
<td>0.8%</td>
<td>2.4%</td>
</tr>
<tr>
<td>Coreopsis lanceolata / Lance-leaved Coreopsis</td>
<td>0.34</td>
<td>1.2%</td>
<td>1.3%</td>
</tr>
<tr>
<td>Ratibida columnifera / Prairie Coneflower</td>
<td>0.11</td>
<td>0.4%</td>
<td>2.4%</td>
</tr>
<tr>
<td>Ratibida columnifera forma pulcherrima / Mexican Hat</td>
<td>0.11</td>
<td>0.4%</td>
<td>2.4%</td>
</tr>
<tr>
<td>Papaver rhoeas / Flanders Poppy</td>
<td>0.09</td>
<td>0.3%</td>
<td>5.1%</td>
</tr>
<tr>
<td>Penstemon palmeri / Palmer Penstemon</td>
<td>0.23</td>
<td>0.8%</td>
<td>2.2%</td>
</tr>
<tr>
<td>Coreopsis tinctoria / Plains Coreopsis</td>
<td>0.09</td>
<td>0.3%</td>
<td>2.2%</td>
</tr>
<tr>
<td>Linanthus grandifloras / Moutain Phlox</td>
<td>0.13</td>
<td>0.1%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Lupinus argenteus ssp. Rubraulis / Mountain Lupine</td>
<td>0.17</td>
<td>0.6%</td>
<td>3.0%</td>
</tr>
<tr>
<td>Geranium viscosissimum / Wild Geranium</td>
<td>0.08</td>
<td>0.3%</td>
<td>0.1%</td>
</tr>
<tr>
<td>Gaillardia aristata / Blanket Flower</td>
<td>0.23</td>
<td>0.8%</td>
<td>0.5%</td>
</tr>
</tbody>
</table>

*Rocky Mountain Wildflower Mix is a proprietary seed mix provided by Granite Seed and Erosion Control Company. They can provide the entire seed mixes as described above. Their contact information is shown below:

Granite Seed, 1697 West 2100 North, Lehi, Utah 84043