Know what's below. Call before you dig.

Area 7
Area 8
Area 9
Area 10

Full sized sheet is 11"x17"
Know what's below before you dig.

Call High Plains Design LLC
Land Use Planning, Site Design and Landscape Architecture
(307) 286-7978

LIBRARY

APPROX. LOCATION PEDESTRIAN DIRECTORY

58.0'

12.0'

CONCRETE WALK-THRU WITH BENCHES

APPROX. LOCATION PEDESTRIAN DIRECTORY

EDUCATION AND ENRICHMENT CENTER

LEGEND

4-8" RIVER COBBLE

1-2" RIVER ROCK

MOSS ROCK GROUPING

EXISTING LIGHT POST

FUTURE BENCH

Scale 1"=10'0"

FULL SIZED SHEET IS 11"X17"
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Land Use Planning, Site Design and Landscape Architecture
(307) 286-7978

NORTH

LEGEND

MOSS ROCK GROUPING

EXISTING LIGHT POST

4-8" RIVER COBBLE

1-2" RIVER ROCK

FULL SIZED SHEET IS 11"X17"

Scale 1"=10'0"
Know what's below. Call before you dig.

High Plains Design LLC
Land Use Planning, Site Design and Landscape Architecture
(307) 286-7978

February 6, 2018

FULL Sized SHEET IS 11"x17"
PLANT SCHEDULE

<table>
<thead>
<tr>
<th>QTY.</th>
<th>SCIENTIFIC NAME/COMMON NAME</th>
<th>MIN. SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td><strong>Amelanchier alnifolia 'Regent'</strong></td>
<td>#5</td>
</tr>
<tr>
<td></td>
<td>Regent Serviceberry</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td><strong>Fallugia paradoxa</strong></td>
<td>#5</td>
</tr>
<tr>
<td></td>
<td>Apache Plume</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td><strong>Picea pungens 'St. Mary's Broom'</strong></td>
<td>#3</td>
</tr>
<tr>
<td></td>
<td>St. Mary's Blue Spruce</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td><strong>Proveskia arriplicafolia</strong></td>
<td>#1</td>
</tr>
<tr>
<td></td>
<td>Russian Sage</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td><strong>Chrysothamnus nauseosus nauseosus</strong></td>
<td>#5</td>
</tr>
<tr>
<td></td>
<td>Dwarf Baby Blue Rabbitbrush</td>
<td></td>
</tr>
<tr>
<td>58</td>
<td><strong>Artemesia versicolor 'Sea Foam'</strong></td>
<td>#5</td>
</tr>
<tr>
<td></td>
<td>Sea Foam Sage</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td><strong>Pinus mugo 'Slowmound'</strong></td>
<td>#3</td>
</tr>
<tr>
<td></td>
<td>Slowmound Mugo Pine</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td><strong>Sedum rupestris 'Angelina'</strong></td>
<td>#1</td>
</tr>
<tr>
<td></td>
<td>Angelina Sedum</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td><strong>Callardia aristata 'Arizona Sun'</strong></td>
<td>#1</td>
</tr>
<tr>
<td></td>
<td>Arizona Sun Blanket Flower</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td><strong>Eriogonum umbellatum 'Kannah Creek'</strong></td>
<td>#1</td>
</tr>
<tr>
<td></td>
<td>Kannah Creek Buckwheat</td>
<td></td>
</tr>
<tr>
<td>192</td>
<td><strong>Calamagrostis x acutiflora 'Karl Forster'</strong></td>
<td>#1</td>
</tr>
<tr>
<td></td>
<td>Feather Reed Grass</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td><strong>Lavandula angustifolia 'Hidcote'</strong></td>
<td>#1</td>
</tr>
<tr>
<td></td>
<td>Hidcote Lavender</td>
<td></td>
</tr>
</tbody>
</table>

**IN CASE OF A DISCREPANCY BETWEEN THE PLANT SCHEDULE AND THE PLANS, THE PLANS WILL SUPERCEDE THE PLANT SCHEDULE.**
SHRUBS/PERENNIALS

FOR 5 GALLON AND LARGER PLANT MATERIAL CONSTRUCT A 2' HIGH WATERING RING AROUND SHRUB AT EDGE OF PLANTING PIT. FOR 1 GALLON MATERIAL, CONSTRUCT A 2' X 18" DIA. WATER RING.

2X ROOT BALL DIA. SCARIFY SIDES AND BOTTOM.

1-2 INCH RIVER ROCK 2-3' DEPTH

SIDEWALK

SHRUB BED FINISHED GRADE

6' DEPTH AMENDED SOIL

EXISTING LIGHT POST

MOSS ROCK GROUPING

1-2" RIVER ROCK

4-8" RIVER COBBLE

Know what's below. Call before you dig.
Know what's below. Call before you dig.

1.0" BELOW TOP OF EDGING
SET GRADE APPROX. 1.0"

SIDEWALK
LAWN OR SEEDING
FOR LAWN AND SEED
SET GRADE APPROX. 1.0"
BELOW TOP OF EDGING
CURB OR SIDEWALK

LANDSCAPE FABRIC

SIDEWALK
CURB OR SIDEWALK

LANDSCAPE FABRIC BELOW
1-2 INCH RIVER ROCK

LAWNS, ORNAMENTAL GRASSES
PERENNIAL FLOWERS

SIDEWALK OR OTHER PAVED SURFACE

SPECMEN MOSS ROCK BOULDERS

BURY THE BOTTOM 1/4 TO 1/2 OF THE STONE. SIDES OF ROCK SHOULD NOT ALLOW SHADOWS TO OCCUR.

1-2 INCH RIVER ROCK LANDSCAPE FABRIC BELOW

FOR 1-2 INCH ROCK, SET GRADE APPROXIMATELY 3" BELOW TOP OF EDGING, CURB OR SIDEWALK

LARAMIE COUNTY COMMUNITY COLLEGE
CAMPUS MALL

LARAMIE COUNTY COMMUNITY COLLEGE
CAMPUS MALL

February 6, 2018
LANDSCAPE SPECIFICATIONS

MATERIALS:

1. Rock Areas:
   1.1. River Cobble Areas, where described on plans, use 4-8 inch river cobble (fill with smaller rock as necessary). Underlay with landscape fabric. (See Detail, Sheet 19)
   1.2. In all other areas, as described on plan, use 1-2 inch river rock. Underlay with landscape fabric. Rock shall be placed at approximate 2-3 inch depth and set level with top of edging, sidewalk and/or curb.

1.3. Specimen Boulders (by others) shall be harvested moss rock type in sizes ranging from ½ to 2½ ton each. Set according to detail, Sheet 8

2. Landscape Fabric: Landmaster Polyspun 300 or equivalent. Secure with commercial grade fabric staples, U shaped 6” long, 1” wide, per manufacturer's recommendations.

   3.1. Concrete Color: Davis “Canyon, 160” or equivalent.
   3.2. Provide 1½” PVC sleeving under concrete to route drip irrigation pipe.

GENERAL:

6. Contractor Qualifications: The project shall be performed by an experienced landscape Contractor having not less than 5 years successful experience in landscape projects of similar size and scope as this project.

7. Preservation of Properties: The Contractor shall be responsible for the preservation of all public or private properties including: existing trees, shrubs, turf, fences, other landscape features and all structures. If any direct or indirect damage or injury is done to public or private properties by, or on account of any act, omission, neglect or misconduct in the execution of the work, on the part of the Contractor, such property shall be restored by the Contractor, at his/her expense. Restoration shall be to a condition similar or equal to that existing before damage or injury in such manner as may be acceptable to the owner.

8. Utilities: Locate underground utilities and perform work in a manner to avoid damage. Hand excavate as required. Maintain stakes until removal is approved. Adjustments to tree locations based on these separations shall be done in the field. Utility separation shall be as follows:
   8.1. 10 feet between trees and water and/or sewer lines.
   8.2. 4 feet between trees and gas lines.
   8.3. 10 feet between trees and fire hydrants.

9. Excavation: During excavation, when conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions or other obstructions, notify the Owner’s Representative.

10. Upon completion of work, clean adjacent streets and site paving from debris and dirt accumulations.

11. Guarantee and Acceptance: All plant material shall be guaranteed by the contractor for one full year from final acceptance. During the acceptance and warranty period the contractor shall provide general maintenance of all items installed by said contractor, including weeding and to replace any plant material that is not in good condition and producing new growth.

12. Contractor shall remove all stakes at end of warranty period.

13. Contractor shall keep on site for Owner’s Representative’s inspection, all receipts for soil amendments.

DEMOlITION: BY OTHERS

1. Remove and dispose of all sod located in areas to be landscaped. Care should be taken to protect all existing utilities, irrigation piping, signs, concrete and other items in the area.

SOIL PREPARATION AND FINAL GRADING:

1. Protect existing structures, fences, sidewalks, paving, curbs, signs, and other features remaining during construction. Grub and remove unsuitable woody and rock material present in the surface grade. Take precaution to accommodate proper drainage and flow during and after grading and soil preparation.

2. Rip to 6 inch depth in all areas to receive plantings. Remove all objects greater than 2 inch in diameter.

3. Evenly distribute soil amendment at approximate 2” depth. (approx. 6 CY/1,000 SF). Only organic materials may be used, such as compost that is low in salts (below 3 mmhos/cm). Sphagnum peat and compost made from purely plant sources are low in salts and are good choices for amending Colorado and Wyoming soils.

4. Amendments shall be tilled a minimum of six inches deep forming a uniform mix. Any sticks, stones or other debris brought to the surface during tilling that is one inch or more in any dimension shall be removed.

5. Grade shall be set to allow for proper drainage away from all structures and shall maintain smooth, flowing landforms, free of vegetation, surface debris, bumps or depressions.

6. Compact to a firm, but not hard density (80% of Standard Proctor Density at +/- optimum moisture).

7. Entire site area to receive plantings shall be prepared per above noted soil amendment and tilling and graded to final grade prior to installation of any plant material.

8. For rock areas, trim finish grade elevations adjacent to paved areas, back of curb or edging to 2-3 inch below finished grade. (See detail drawing, sheet 8 of this drawing set)

DRIc STREAM BED SURROUNDING SPECIMEN BOULDERS AND OTHER AREAS:

1. Use 4-8 inch river cobble and fill open areas with 1-2 inch river rock. Place cobble on landscape fabric.

SPECIMEN BOULDERS: BY OTHERS

1. Boulders shall be harvested moss rock type, in a range of sizes from 1/4 to 3/4 ton each and arranged according to the plan to the extent possible. Set boulders according to detail, Sheet 8.
LANDSCAPE SPECIFICATIONS

PLANTING:

1. Entire site to receive plantings shall be prepared per soil amendment specifications as well as graded to final grades prior to installation of any plant material.
2. All plant quantities listed on plant schedule are for reference only. Plants shall be provided based on plan quantities.
3. All plants shall conform to the requirements of the ANSI Standards for Nursery Stock. All plants shall be true to species and sizes specified.
4. The plants supplied under these specifications shall consist of plants coming from propagating houses, beds, frames or nurseries. “Collected stock” will not be accepted unless specified or as an approved substitute.
5. Provide trees and shrubs grown in Wyoming or northern Colorado nursery fields for a major portion of plant life.
6. Plants that are not well rooted, are root bound or have root rot shall be rejected. All plants shall have a well-formed network of whitish roots binding the soil together. If the roots are brown, soft or rotten; have a mass of thick roots circling the pot with little soil; or few roots and with soil that easily falls away; reject the plant.
7. All B&B, (balled and burlapped) plants shall conform to or exceed the minimum sizes specified in the requirements of the American Standards for Nursery Stock. No balled and burlapped plant shall be accepted if the ball is broken or the trunk loose in the ball or visible roots are exposed.
8. Schedule and coordinate delivery and planting with other landscape work in such a manner that the plants will not be in a site holding area more than one day prior to planting unless special arrangements are made to care for and secure unplanted material.
9. Open Holes or Pits: No hole or pit shall remain open without safety devices to protect the Owner from liability for personal accidental injury. Barricade open excavations occurring as part of this work and post with warning lights. Operate warning lights as recommended by authorities having jurisdiction.
10. Plant trees, shrubs and perennials after final grades are established. Hand water all plantings once installed. Re-grade as needed upon installation of plants and irrigation and prior to installation of landscape fabric and rock.
11. Planting Depth: In clay or clay loam soils, the planting pit for all container-grown and B&B plants shall be 2-3" shallower than the height of the root ball at root flare. Plant the root ball so the top permanent roots are on average two inches above grade. Cover with moist soil. In loam and sandy loam soils, where there is good water and air movement into the soil, plants may be placed in planting pits at a depth equal to but no deeper than the height of the root flare. Determine that the apparent root flare on the base of the tree trunk is indeed the actual root flaire by carefully removing soil on top of the root ball to verify the top permanent roots. In all cases, the root ball shall be placed on firm, undisturbed soil in the planting pit to prevent settling. Width of planting pits shall be no less than 24” wider than the root ball.
12. Removal of Containers: Wire and Rope: All containers, whether metal, plastic or natural fiber, shall be removed from the soil ball prior to planting. B&B plants whose soil balls are wrapped in burlap (treated or not) shall have the burlap pulled away from the trunks and root ball and all restraining ropes cut and removed to prevent girdling. B&B trees wrapped in artificial, non-biodegradable “burlap” or plastic shall not be accepted for planting. Plants in wire baskets shall be planted in such a manner that all twine around the trunks and a minimum of the top 3/4 of the wire is completely removed before back-filling.
13. Backfill: Soil used as backfill shall be of a texture that will freely allow air and water movement following firming to remove large air pockets.
14. Obstructions: Where rubble fill is encountered, notify Owner’s Representative and prepare planting pits properly by removal of rubble or other acceptable methods. When conditions encountered are severe and extensive (as determined by Owner’s Representative) proceed with additional work at the direction of the Owner’s Representative.
15. Coordinate planting and schedule with installation of irrigation system to ensure that neither operation will damage the other. Insure system is operating to provide adequate water.

IRRIGATION:
1. Follow all recommended practices as set forth by the Manufacturer’s Specifications and the Irrigation Association.
2. Contractor shall replace existing irrigation valves with drip valve kits and tie into existing Hunter NOD solenoid, (up to 4 ea. Rain Bird XCL-LF-100-PRF, or equivalent)
3. Contractor shall provide ½ inch drip pipe and fittings as needed and connect into new drip valves. Provide drip emitters to all newly planted shrubs and perennials. Space all emitters accordingly across the root zone. Provide 4 ea. 2 gallon emitters for Serviceberry shrubs, 2 ea. 1 gallon emitters for shrubs and 1 ea. 1 gallon emitter for ornamental grasses and perennials. Place ½ inch end plug with cap in appropriately sized valve boxes at end of all individual pipe runs.
4. Place drip pipe in shallow trench and below landscape fabric and rock. Stake drip pipe and tubing as needed.
5. Insure irrigation rates for newly planted trees, shrubs, and perennials are adequate during establishment. Irrigation should be checked every 2-3 weeks to assure the system is working properly. Adjust zone timing as necessary, especially in the case of high heat and low precipitation.
6. Newly planted trees and shrubs require additional irrigation for 2-3 years. Particularly in the first year. Provide 5-10 gallons per week for shrubs, ornamental grasses and perennials during the first growing season, applied over the root system. Provide additional watering during dry winters.