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SOIL PREPARATION AND PLANTING

PREPARATION - GENERAL

1. Lay out individual tree and shrub locations and the areas for multiple plantings. Stake tree locations and outline planting areas before start of planting work. Make minor adjustments as may be required. Landscape Designer or Owners Representative approval required before installation.

PREPARATION OF PLANTING SOIL

- PREPARATION OF (PLANTING) SOIL**
1. Topsoil (Stockpiled): Clean topsoil of roots, plants, stones, clay lumps, and other extraneous materials harmful or toxic to plant growth.
 2. Mix Black Gold Soil Conditioner (or approved substitute soil amendments) and fertilizer with topsoil as required based on existing soil conditions. Preparation of the planting soil shall not occur if planting will not follow within a few days. Stockpile covered on-site.
 3. Pit and Trench Backfill: Mix planting soil prior to backfilling, and stockpile at site.
 4. Planting Beds: Mix planting soil either prior to backfilling, or apply on surface of topsoil and mix thoroughly before planting.

PREPARATION OF PLANTING BEDS

1. Spread planting soil mixture to minimum depth required to meet lines, grades, and elevations shown, after light rolling and natural settlement. Place approximately 1/2 of total amount of planting soil required. Work into top of loosened sub-grade to create a transition layer, then place remainder of the planting soil.
2. Remove 8 inches to 10 inches of soil and replace with prepared planting soil mixture. Backfill for each bed with three parts topsoil and one part Black Gold Soil Conditioner (or approved substitute) thoroughly mixed prior to placing.

EXCAVATION FOR TREES AND SHRUBS

1. **Excavation for Trees and Shrubs**
 - a. For trees and shrubs with a trunk diameter less than 6 inches, excavate vertical sides and bottom of excavation slightly raised at center to provide proper drainage. Loosen hard sub-soil in bottom of excavation.
 - A. For each inch trunk (DBH) trees, make excavations at least half as wide as the ball diameter and equal to the ball depth, plus following additional width and depth on top of compacted backfill.
 - B. Allow for 3 inch thick settling layer of planting soil inside.
 - C. For trees planted in containers, excavations should be 1/2 inch wider and 1/2 inch deeper than container.
 - b. For trees and shrubs with a trunk diameter greater than 6 inches, excavate vertical sides and bottom of excavation, adjusted to size of trunk and depth of root system.
2. **Dispose of substrate removed from planting excavations.** Do not mix with planting soil or use as backfill.
3. **Fill excavations for trees and shrubs with water and allow water to percolate out prior to planting.**
 - a. For trees and shrubs planted in containers, backfill with planting soil and compacted backfill (approved substrate) thoroughly mixed prior to planting.
 - b. Backfill with three parts topsoil and one part Black Gold® Soil Conditioner (or approved substitute) thoroughly mixed prior to planting.
4. **Place Agri-Ton.**
 - a. Place Agri-Ton. Free Fertilizer Tablets (or approved substitute) in planting pit prior to back filling at the following rate: three per tree, one per shrub, one per each trunk.

PLANTING TREES AND SHRUBS

- ### PLANTING TREES AND SHRUBS
- Plant trees and shrubs on a level of compacted planting soil inside, plumb and in line of or perpendicular with top of base as well as elevation as indicated finished landscape grading. Remove burble from sides of bales, center on bottom. When all bales are placed, fill around base and sides of bales, and work each layer to settle bales and eliminate voids and air pockets. When all bales are in place, use a shovel to break the plastic covering remaining on back of bales. Retest watering unit and adjust. Water again after placing final plant layer.
- When using plastic mulch, use plastic mulch with double buried strips, except use one on sides and corners. Do not plant on top of bales so as not to damage root ball.
- Plan to backfill to allow for mulching.
- Apply 2" layer of mulch, using appropriate material, to provide an adequate film from shrubs, branches, stems, twigs and foliage.
- If all deciduous trees or shrubs are removed when in full-leaf, spray with anti-desiccant at nursery before moving and spraying again 2 weeks after planting.
- Remove and discard excessively clogged or disfigured stock resulting from improper pruning.
- Wring trees twice of 2 inches caliper and larger: start at ground and cover trunk to just above first branches and securely attach to trunk with 2" wide straps.
- Apply 2" layer of mulch to all trees and shrubs and take appropriate measures before pruning.
- Guy and stake trees immediately after planting, as indicated.

DECIDUOUS & EVERGREEN TREES				
LABEL	QUANTITY	COMMON NAME	SCIENTIFIC NAME	SIZE
ASP	00	Quaking Aspen	Populus tremuloides	1.5' - 3.5' ca
NAH	00	Northern Acclaim Honeylocust	Gleditsia triacanthos inermis 'Northern Acclaim	2.0' - 2.5' ca
RBC	00	Red Barron Crab Apple	Malus 'Red Barron'	2.0' - 2.5' ca
SSC	00	Spring Snow Crab Apple	Malus 'Spring Snow'	2.0' - 2.5' ca
SPR	00	Colorado Spruce	Picea pungens	6' ht.

DECIDUOUS SHRUBS				
LABEL	QUANTITY	COMMON NAME	SCIENTIFIC NAME	SIZE
SER	00	Saskatoon Serviceberry	<i>Amelanchier alnifolia</i>	#7 Pot
RAB	00	Rabbirush	<i>Chrysothamnus</i> sp.	#5 Pot
RED	00	Redwing Dogwood	<i>Cornus stolonifera</i>	#5 Pot
YPT	00	Yellow Potentilla	<i>Potentilla fruticosa</i>	#5 Pot
PPT	00	Pink Potentilla	<i>Potentilla fruticosa</i> 'pink beauty'	#5 Pot
ARM	00	Arnold's Honey Suckle	<i>Lonicera involucrata</i> 'Arnold's Red'	#7 Pot
CUR	00	Golden Currant	<i>Ribes aurum</i>	#5 Pot
RCD	00	Native Pink Shrub Rose	<i>Rosa woodsii</i>	#7 Pot
COM	00	Common Larch	<i>Syringia vulgaris</i>	#5 Pot

ORNAMENTAL GRASSES				
LABEL	QUANTITY	COMMON NAME	SCIENTIFIC NAME:	SIZE
FOX	00	Foxtail	<i>Alopecurus pratensis</i>	#1 Pot
FTG	00	Fountain Grass	<i>Pennisetum alopecuroides</i>	#5 Pot
PFG	00	Purple-leaf Fountain Grass	<i>Pennisetum setaceum rubrum</i>	#5 Pot

4 SITE PLAN LEGEND

	PROPERTY BOUNDARY		PROPOSED EDGE OF CONCRETE DECK
	ADJACENT PROPERTY BOUNDARY		PROPOSED BUILDING OVERHANG
	EXISTING EASEMENT		PROPOSED POND
	EXISTING SETBACK		SIDEWALK/BOARDWALK
	EXISTING EDGE OF ASPHALT		PERIMETER DRAIN
	PROPOSED EDGE OF ASPHALT		WALL
	EXISTING 2 FT CONTOUR		VEGETATION OUTLINE
	EXISTING 10 FT CONTOUR		ASPHALT
	PROPOSED 2 FT CONTOUR		CONCRETE
	PROPOSED 10 FT CONTOUR		GRAVEL
	EXISTING EDGE OF GRAVEL		ROCKRIP RAP
	CENTER LINE OF DITCH		
	EXISTING FENCE		

4 SITE PLAN LEGEND

Populus Quaking Aspen (55 Total)
 Populus tremuloides
 2.50' minimum caliper (Clumps and Single Stem)

Potted Evergreen shrubs (434 Total)
 Junipers, Picea, Pinus spp.
 Size: 45 Container Minimum

Potted Deciduous shrubs (08 Total)
 Pinus, Cornus, Rosa, etc.
 Size: 45 Container Minimum

Potted Ornamental Trees (434 Total)
 Flowering Crabapple-Malus hybrids
 Size: 2.50' Minimum Caliper

Snow Aggregate on Weed Fabric

Potted Evergreen Trees (11 Total)
 Picea pungens, Pinus ponderosa, etc.
 Heights Vary (See Worksheet)

Native and Ornamental Perennials (315 Total)
 Size: 41 Container Minimum

Existing Aspen Trees to Remain

Existing Aspen Trees to be Removed During Construction

Existing Evergreen Trees to Remain

- XW— EXISTING WATER LINE
- E— EX CURB STOP, GATE VALVE, FIRE HYDRANT
- W— PROPOSED WATER SERVICE LINE
- E— PR CURB STOP, GATE VALVE, FIRE HYDRANT
- T— THURST BOLT
- XS— EXISTING SEWER LINE
- S— EXISTING MANHOLE AND CLEANOUTS
- S— PROPOSED SEWER LINE
- XS— PROPOSED MANHOLE AND CLEANOUTS
- XS— EXISTING ELECTRIC
- T— EXISTING TELEPHONE
- T— UTILITY PEDSTALS
- G— POWER POLE
- XS— GAS
- S— STORM INLET
- E— PR CURB STOP W/ FLARED END SECTIONS
- E— EX CURB W/ FLARED END SECTIONS

TRADE OR INDUSTRY NAME:	SEED COMMON NAME	PERCENT OF MIX	Broadcast Seeding Rate
TRANSITION TURF MIX	Smooth Brome, VNS	40%	1-2 lbs. per 1,000 SF
	Perennial Ryegrass, VNS	25%	

MOUNTAIN MEADOW MIX	Winter Rye (cereal grain)	20%	40-60 lbs. per Acre
	Forage Perennial Ryegrass, VNS	20%	
	Mountain Brome, Bromar	20%	
	Timothy, Climax	15%	
	Forage Kentucky Bluegrass, VNS	14%	
	Orchardgrass, Pytman	10%	

	Alsike Clover	01%	Broadcast Seeding Rate: 3-5 lbs. per 1,000 SF
ALL-BLUE KENTUCKY BLUEGRASS	Kentucky Bluegrass, Jackpot	20%	
	Kentucky Bluegrass, Milagro	20%	
	Kentucky Bluegrass, Blue Devil	20%	
	Kentucky Bluegrass, Mercury	20%	
	Kentucky Bluegrass, Rockstar	20%	

NOTE:

NOTE: Application rates per manufacturers specifications. Accepted methods of application include: Broadcast with Penn Mulch, and hydroseeding.

1. All plant material shown will be controlled by an automatic irrigation system to be designed. The irrigation system shall be designed using common industry practices and principals. The system shall be installed in such a manner as to maintain efficiency and performance. The existing conditions of the site will determine the ultimate design and layout of the irrigation

IRRIGATION SYSTEM DESIGN GUIDELINES

- IRIGATION SYSTEM DESIGN GUIDELINES**
- All design and construction shall be in accordance with the following:
1. All design shall be based on a 100-year design storm runoff from the local drainage, overland and/or similar conditions where water flows into adjacent properties, non-irrigated areas, hawks, roadways or structures.
 2. The irrigation system shall be automatic, constructed to discourage vandalism and simple to maintain.
 3. All equipment shall be of proven design and construction with local serviceability.
 4. Control valves should be rated at 200 PSI.
 5. Visible sprinkler assemblies at heads shall be all of pop-up design.
 6. All heads should have a minimum of 18" working pressure with local serviceability.
 7. Lawn and shrub spray heads shall be set back from hardscape a minimum of 18 inches. Rotor type heads shall be set back a minimum of 24 inches.
 8. Design sprinklers and rotor head stations with consideration for worst wind conditions. Close spacing and longer angles are required in high and frequent wind areas.
 9. All equipment shall be protected by manufacturer's maximum recommendations for proper coverage.
 10. **Only irrigation heads with matched precipitation rates shall be used on the same valve.**
 11. Valve circulating shall be designed to be consistent with hydrotechnics.
 12. Sprinklers, droppers, valves, etc. must meet manufacturer's specifications.
 13. The use of air or pressure compensating bubblers is encouraged for all shrubs and trees. Small, narrow and irregularly shaped or sloping areas shall be irrigated with drip, micro-spray or pressure-compensating bubblers heads.
 14. All "hot" areas that are on a slope shall be irrigated with micro-sprays.

DRIP IRRIGATION DESIGN GUIDELINES

- #### Drip Irrigation Design Guidelines
1. The drip system must be sized for mature-size plants.
 2. All drip valves may be operated at any one time during an irrigation cycle provided gpm does not exceed supply.
 3. Distribution tubing (microtubing) shall be buried no more than 6 inches below grade. The end of 1/2" distribution tube must be secured by a stake. The maximum length of microtubing must be specified on the plan to be 10' or less.
 4. All proposed drip emitters shall match the gallons per day per plant according to plant size and plant type.

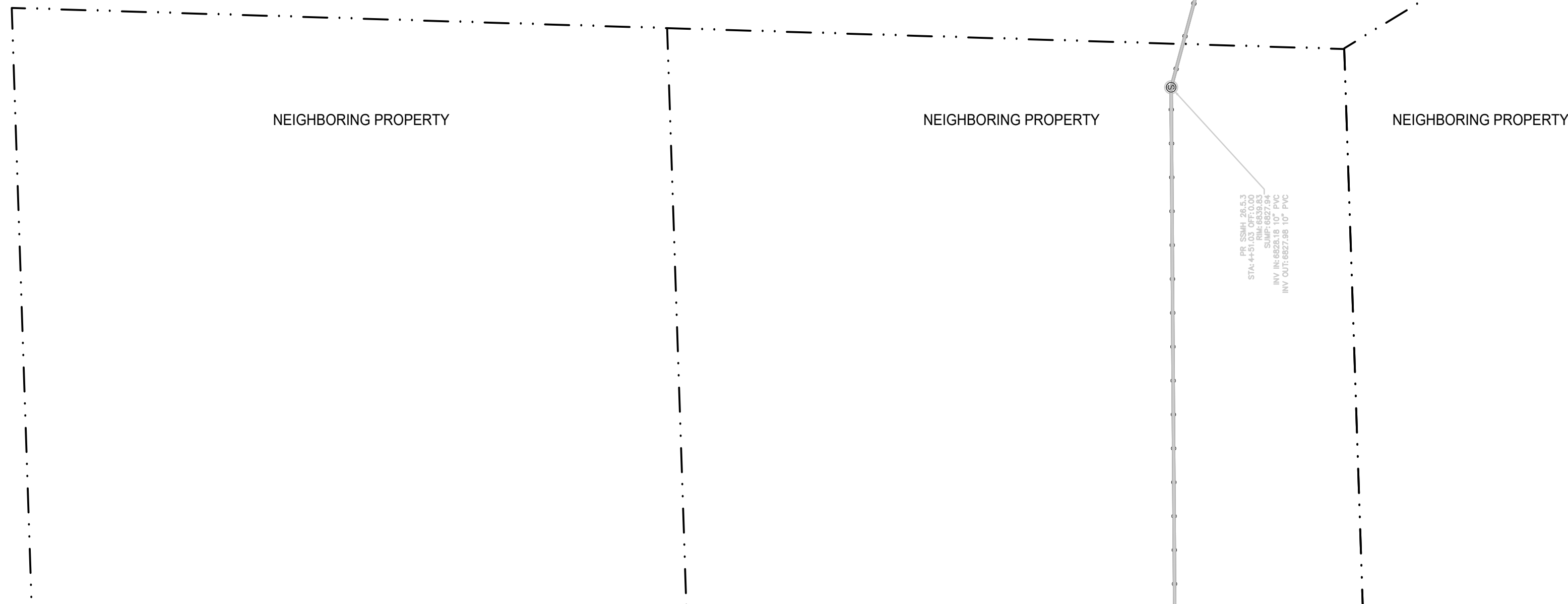
SPECIFICATIONS FOR IRRIGATION EFFICIENCY

SPECIFICATIONS FOR IRRIGATION EFFICIENCY
Irrigation efficiencies are expected from well-designed and maintained systems. The following are required

4. High flow check valves shall be installed in or under all heads where damage could occur to property due to flooding; unless controllers with flow sensor capabilities are specified that can automatically shut off individual control valves when excess flow is detected.
5. Pressure compensating screens/strainers shall be specified on all spray heads to reduce radius to prevent overwatering.
6. Soil moisture sensing systems for turf grasses/shades shall be used. The moisture sensing system shall provide at least one sensor, located in the turf grass.
7. The system shall have the capabilities of automatically making daily schedule adjustments according to plant water needs, derived from weather sensing and recording equipment on or near the site as recommended and may be substitutable for a weather station.
8. If a soil moisture sensing system is not used and the controller cannot automatically make plant schedule adjustments from local data, then provide an irrigation schedule for each of the following conditions:
 - a. Plant establishment period
 - b. Established landscaping
 - c. Temporarily irrigated areas
9. Schedules shall include: Irrigation run times per cycle, cycles per day, and days per week (month) for each plant/shrub/zone. The system shall be able to schedule irrigation for the cooler time of each day to avoid irrigating during periods of strong winds and high temperatures, with high evaporation loss.
10. Electronic multi-program controllers shall be specified where there is a combination of different hydrazones or when using different plant types.



WALTON
CREEK ROAD



INV IN: 6828.18 10" PVC
INV OUT: 6827.98 10" PVC
SUMP: 6827.94
RM: 6839.83

LANDSCAPE MASTER PLAN


$$1'' = 20' - 0'$$

SITE PLAN REVISIONS
03 NOVEMBER 2025

LANDSCAPE MASTER PLAN

William J. Rangitsch

970-879-0819
2910 345 lincoln ave ste. 200
steamboat springs, co. 80477

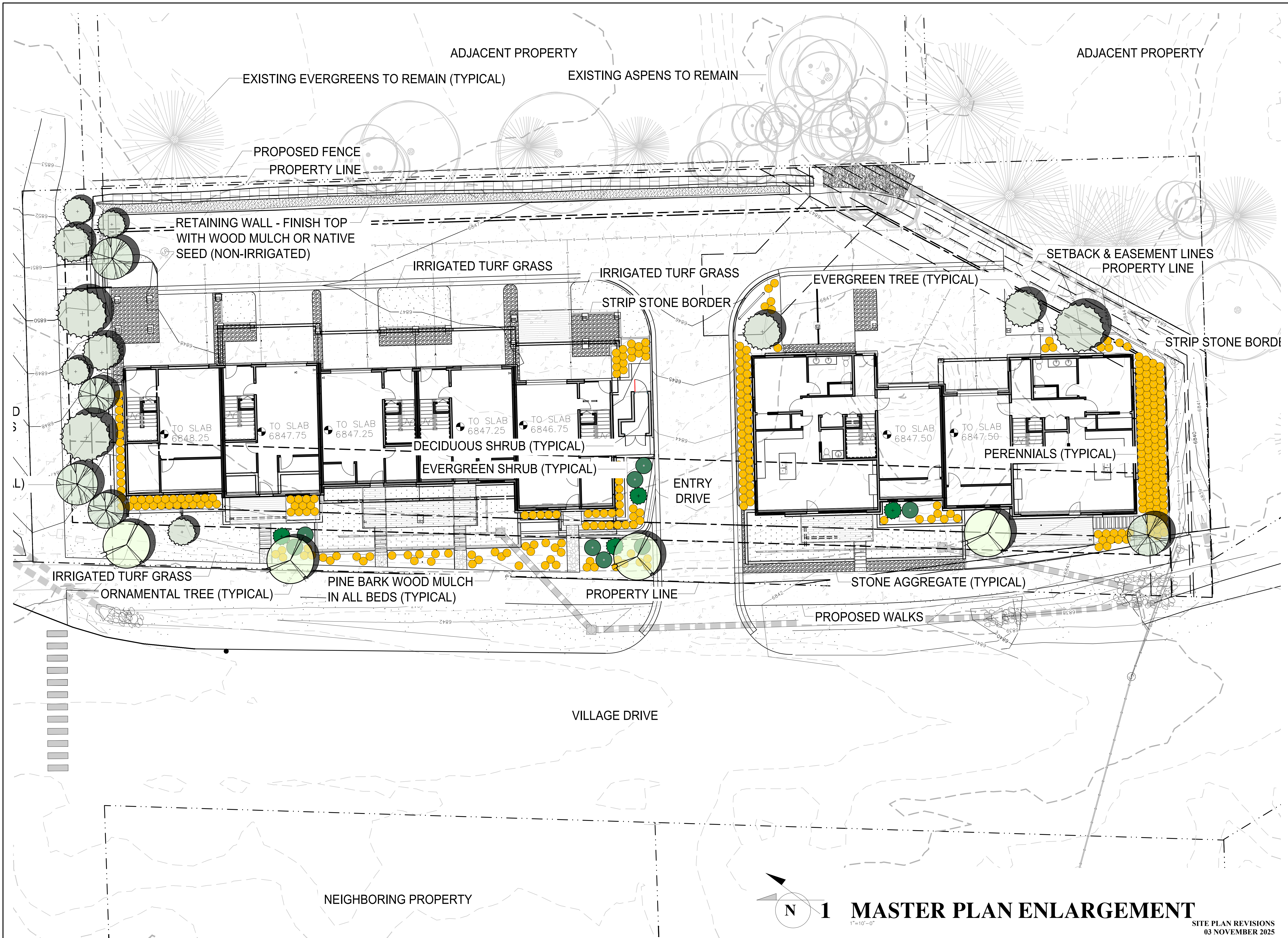


**A Residential Development for
Village Drive
Townhomes
1805 Walton Creek Road
Steamboat Springs, Colorado**

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18-01

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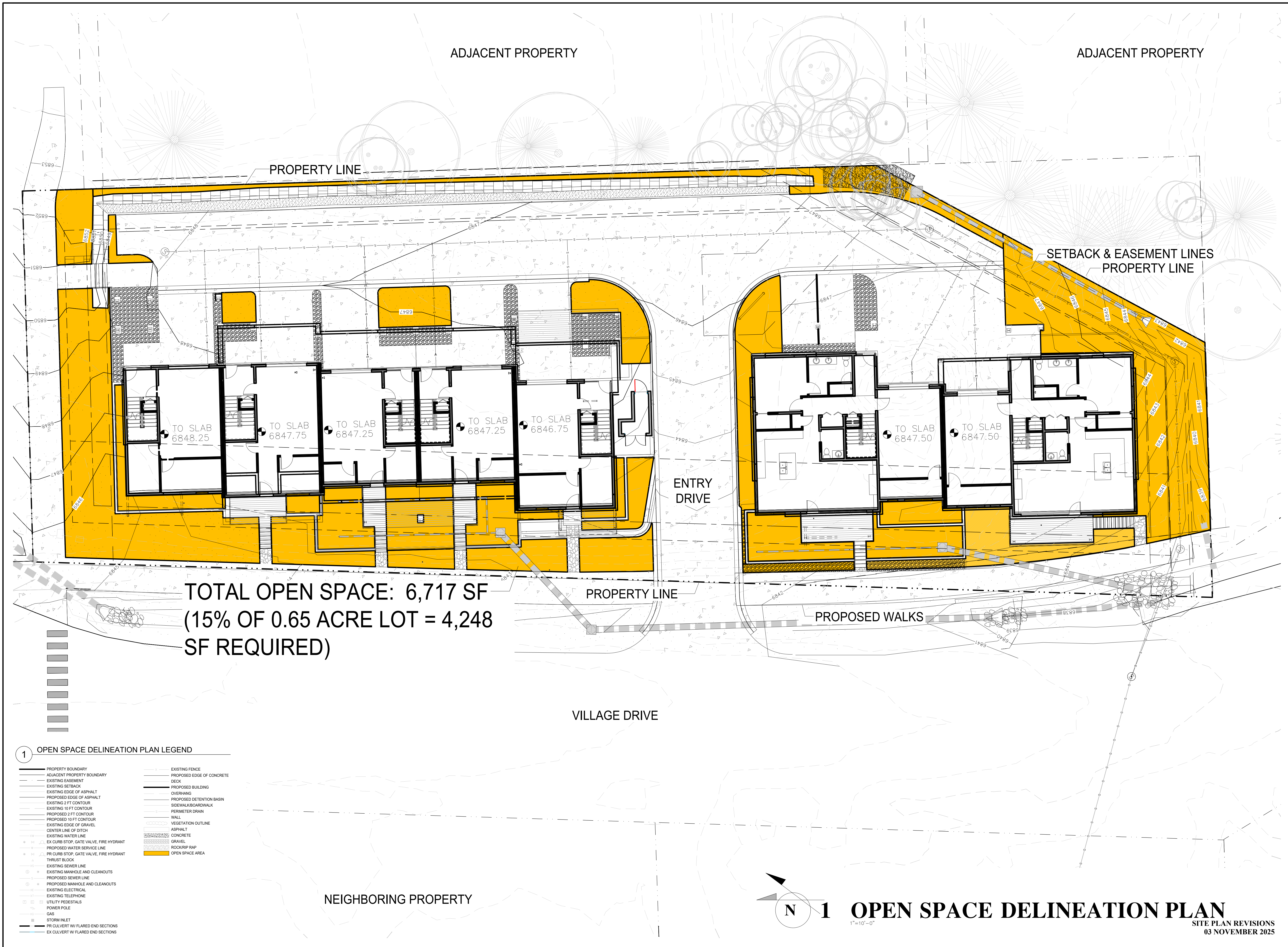


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<p>LANDSCAPE MASTER PLAN</p>	
<p>William J. Rangitsch 970.879.0819 772910 345 Lincoln Ave. Ste. 200 Steamboat Springs, CO 80477 p.o. box</p>	
<p>A Residential Development for Village Drive Townhomes 1805 Walton Creek Road Steamboat Springs, Colorado</p>	
<p>STEAMBOAT ARCHITECTURAL ASSOCIATES</p>	<p>18-01</p>

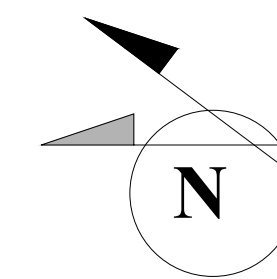
1 MASTER PLAN ENLARGEMENT
1"=10'-0"

SITE PLAN REVISIONS
03 NOVEMBER 2025

L1.1



- 1 OPEN SPACE DELINEATION PLAN LEGEND
- | | |
|--|---------------------------|
| PROPERTY BOUNDARY | EXISTING FENCE |
| ADJACENT PROPERTY BOUNDARY | PROPOSED EDGE OF CONCRETE |
| EXISTING EASEMENT | DECK |
| EXISTING SETBACK | PROPOSED BUILDING |
| EXISTING EDGE OF ASPHALT | OVERHANG |
| PROPOSED EDGE OF ASPHALT | PROPOSED DETENTION BASIN |
| EXISTING 2 FT CONTOUR | SIDEWALK/BOARDWALK |
| EXISTING 10 FT CONTOUR | PERIMETER DRAIN |
| PROPOSED 2 FT CONTOUR | WALL |
| PROPOSED 10 FT CONTOUR | VEGETATION OUTLINE |
| EXISTING EDGE OF GRAVEL | ASPHALT |
| CENTER LINE OF DITCH | CONCRETE |
| EXISTING WATER LINE | GRAVEL |
| EX CURB STOP, GATE VALVE, FIRE HYDRANT | ROCK/RIIP RAP |
| PROPOSED WATER SERVICE LINE | OPEN SPACE AREA |
| PR CURB STOP, GATE VALVE, FIRE HYDRANT | |
| THRUST BLOCK | |
| EXISTING SEWER LINE | |
| EXISTING MANHOLE AND CLEANOUTS | |
| PROPOSED SEWER LINE | |
| PROPOSED MANHOLE AND CLEANOUTS | |
| EXISTING ELECTRICAL | |
| EXISTING TELEPHONE | |
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| PR CULVERT W/ FLARED END SECTIONS | |
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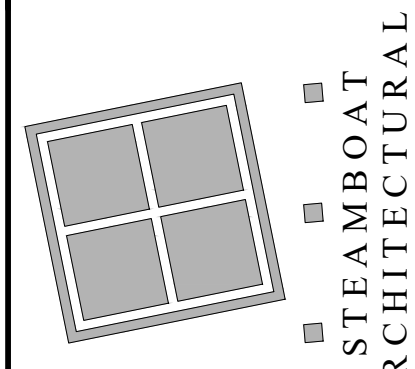
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OPEN SPACE DELINEATION PLAN

1"=10'-0"

SITE PLAN REVISIONS
03 NOVEMBER 2025

A Residential Development for
**Village Drive
Townhomes**
1805 Walton Creek Road
Steamboat Springs, Colorado



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LANDSCAPE MASTER PLAN

L1.2

18-01

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CONSTRUCTION
SAFETY.

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