- 1. Prior to the start of any excavation for the project both on and off the site, the contractor shall notify the utility notification center of colorado at: 1-800-922-1987 and verify that all existing utilities have been located and marked. 2. Contractor(s) shall thoroughly familiarize themselves with all construction documents, specifications, and site conditions prior to
- immediately to the Landscape Designer for clarification and resolution prior to bidding or construction. . All trees to be located outside of the water and sewer utility easements.
- 4. All dimensions are taken to face of building except where otherwise noted. . For layout and dimensioning of lots, see engineering drawings. 6. Screened images show existing conditions. Where existing conditions lie under or are impinged upon by proposed buildings

bidding and prior to construction. Any discrepancies between drawings, specifications, and site conditions shall be reported

- and/or site elements, the existing condition will be removed, abandoned and/or capped or demolished as required. Contractor shall begin maintenance immediately after planting and will continue until final acceptance. The landscape contractor
- shall guarantee all plant materials for one (1) full year from date of acceptance. 8. The landscape contractor shall supply all plant materials in quantities sufficient to complete all plantings shown on this drawing. All plant materials are subject to the approval of the Landscape Designer, at the nursery, and at the site.

inch. Stone mulch for planted areas to be a mixture of native stone, pea gravel, and other varied sizes of indigenous material to be

- . All plant materials shall conform to the guidelines established by the american association of nurserymen. All plants to be balled in burlap or containerized, and shall bear the same relationship to finish grade as to original grades before digging. 10. Mulch for planted areas to be aged cedar bark: partially decomposed, dark brown in color and free of wood chips thicker than 1/4
- placed in such a way to be random and visually (natural) in appearance. 11. Planting soil mix: excavated soil to be thoroughly incorporated with black gold soil conditioner (or equivalent) to be added per manufacturer's recommended rates
- 12. All areas of the site which have been disturbed and not otherwise developed shall be loamed and seeded with a minimum depth of
- 13. All plant materials to be under an automatic drip irrigation system to be installed.

# PLANTING SPECIFICATIONS - GENERAL

SOIL PREPARATION AND PLANTING

- 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 1. Topsoil (Stockpiled): Clean topsoil of roots, plants, stones, clay lumps, and other extraneous materials harmful or toxic to plant
- 2. Mix Black Gold Soil Contidioner (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
- 3. Pit and Trench Backfill: Mix planting soil prior to backfilling, and stockpile at site.
- 4. Planting Beds: Mix planting soil either prior to planting, 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.
- 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 . Excavate pits, beds, and trenches with vertical sides and with bottom of excavation slightly raised at center to provide proper
- drainage. Loosen hard sub-soil in bottom of excavation. A. For ball and burlap (B&B) trees, make excavations at least half again as wide as the ball diameter and equal to the ball depth, plus following allowance for setting of ball on a layer of compacted backfill. B. Allow for 3 inch thick setting layer of planting soil mixture.
- C. For container grown stock, excavate as specified for ball and burlap stock, adjusted to size of container width and depth. Dispose of subsoil removed from planting excavations. Do not mix with planting soil or use as backfill. Fill excavations for trees and shrubs with water and allow water to percolate out prior to planting.
- 4. Backfill pits with three parts topsoil and one part Black Gold Soil Conditioner (or approved substitute) thoroughly mixed prior to
- 5. Place Agriform Tree Fertilizer Tablets (or approved substitute) in planting pit prior to back filling at the following rate: three per each tree, one per each shrub.
- PLANTING TREES AND SHRUBS
- 1. Set ball and burlap (B&B) stock on layer of compacted planting soil mixture, plumb and in center of pit or trench with top of ball at same elevation as adjacent finished landscape grades. Remove burlap from sides of balls; retain on bottoms. When set, place additional back.fill around base and sides of ball, and work each layer to settle backfill and eliminate voids and air pockets. When excavation is approximately 2/3 full, water thoroughly before placing remainder of backfill. Repeat watering until no more is absorbed. Water again after placing final layer of backfill. 2. Set container grown stock, as specified, for balled burlapped stock, except cut cans on 2 sides with an approved can cutter an
- from plant ball so as not to damage root balls.
- Apply anti-desiccant, using power spray, to provide an adequate film over trunks, branches, stems, twigs and foliage. A. If deciduous trees or shrubs are moved when in full-leaf, spray with anti-desiccant at nursery before moving and spray
- Remove and replace excessively pruned or disfigured stock resulting from improper pruning. 6. Wrap tree trunks of 2 inches caliper and larger, start at ground and cover trunk to height of first branches and securely attach. Inspect tree trunks for injury, improper pruning and insect infestation and take corrective measures before wrapping.
- 7. Guy and stake trees immediately after planting, as indicated.

3	SAMPL	E PLANT LIST			
3		DECIDUOUS & EV	ERGREEN TREES		
LABEL	QUANTITY	COMMON NAME	SCIENTIFIC NAME:	SIZE	
ASP NAH PFC RBC SSC	00 00 00 00 00	Quaking Aspen Northern Acclaim Honeylocust Prairie Fire Crabapple Red Baron Crabapple Spring Snow Crabapple	Populus tremuloides Gleditsia triacanthos inermis 'Northern Acclaim Malus 'Prairie Fire' Malus 'Red Baron' Malus 'Spring Snow'	1.5" - 3.5" cal. 2.0" - 2.5" cal. 2.0" - 2.5" cal. 2.0" - 2.5" cal. 2.0" - 2.5" cal.	
		EVERGREE	EN SHRUBS		
LABEL	QUANTITY	COMMON NAME	SCIENTIFIC NAME:	SIZE	
GLB MUG BCJ BUJ	00 00 00 00	Globe Spruce Mugo Pine Blue Chip Juniper Buffalo Juniper	Picea pungens ' Glauca Globosa ' Pinus mugo 'Slowmound' Juniperus horizontalis 'Blue Chip' Juniperus sabina 'Buffalo'	#7 Pot #7 Pot #5 Pot #5 Pot	

BUJ 00		Blue Chip Juniper Buffalo Juniper	Juniperus horizontalis 'Blue Chip' Juniperus sabina 'Buffalo'	#5 Pot #5 Pot	
		DECIDUO	US SHRUBS		
LABEL	QUANTITY	COMMON NAME	SCIENTIFIC NAME:	SIZE	
SER	00	Saskatoon Serviceberry	Amelanchier alnifolia	#7 Pot	
RTD	00	Redtwig Dogwwod	Cornus stolonifera	#5 Pot	
DBL	00	Diablo Ninebark	Physocarpus opulifolius 'Monlo'	#5 Pot	
YPT	00	Yellow Potentilla	Potentilla fruticosa	#5 Pot	
PPT	00	Pink Potentilla	Potentilla fruticosa 'pink beauty'	#5 Pot	
ARH	00	Arnold's Red Honey Suckle	Lonicera involucrata 'Arnold's Red'	#7 Pot	
SPI	00	Goldflame Spirea	Ribes aureum	#5 Pot	
ROS	00	Native Pink Shrub Rose	Rosa woodsii	#5 Pot	
LIL	00	Common Lilac	Syrangia vulgaris	#7 Pot	

PERENNIALS								
LABEL	QUANTITY	COMMON NAME	SCIENTIFIC NAME:	SIZE				
COL	00	Rocky Mountain Columbine	Aquilegia caerulea	#1 Pot				
AST	00	Showy Daisy	Aster alpinus 'goliath'	#1 Pot				
COR	00	Lance-leaf Coreopsis	Coreopsis lanceolata	#1 Pot				
DIA	00	Granite Pinks Dianthus	Dianthus spp.	#1 Pot				
ECP	00	Purple Coneflower	Echinacea purpurea	#1 Pot				
GER	00	Cranesbill Geranium	Geranium spp.	#1 Pot				
DAY	00	Rocky Mountain Summer Daylily	Hemerocallis 'Rocky Mountain Summer'	#1 Pot				
WBF	00	Western Blue Flag	Iris missouriensis	#1 Pot				
LUP	00	Blue Lupine	Lupinus 'the govenor'	#1 Pot				
MON	00	Red Bee-Balm	Monarda 'scarlet red'	#1 Pot				
POP	00	Oriental Poppy	Papaver orientale	#1 Pot				
RMP	00	Roocky Mountain Penstemon	Penstemon strictus	#1 Pot				
RUD	00	Black-eyed Susan	Rudbeckia fulgida 'goldstrum'	#1 Pot				

		ORNAMENTAI	_ GRASSES	
LABEL	QUANTITY	COMMON NAME	SCIENTIFIC NAME:	SIZ
KFG BOG	00 00	Karl Foerster Feather Reed Grass Blue Oat Grass	Calamagrostis x acutiflora 'Karl Foerster' Helictotrichon sempervirens	#1
		GROUNDO	COVERS	

BOG 00		Blue Oat Grass	Helictotrichon sempervirens	#1 Pot
		GROUN	IDCOVERS	
LABEL	QUANTITY	COMMON NAME	SCIENTIFIC NAME:	SIZE
SWD	00	Sweet Woodruff	Galium odoratum	Flat - F1
BCP	00	Blue Creeping Phlox	e Creeping Phlox Phlox subulata 'emerald blue'	
CPT	00	Creeping Yellow Potentilla	Potentilla repens	Flat - F1
SAP	00	Rock Soapwort	Saponaria ocymoides	Flat - F1
GMS	00	Goldmoss Stonecrop	Sedum acre évergreen	Flat - F1
SED	00	Dragon's Blood Seedum	Sedum 'Dragon's Blood'	Flat - F1
VER	00	Creeping Speedwell	Veronica repens	Flat - F1
		Б <sup>1</sup> Ц	A.C A.C	EL. 6

## SITE PLAN LEGEND

PROPERTY BOUNDARY
— ADJACENT PROPERTY BOUNDARY
EXISTING EASEMENT
EXISTING SETBACK
EXISTING EDGE OF ASPHALT
PROPOSED EDGE OF ASPHALT
EXISTING 2 FT CONTOUR
EXISTING 10 FT CONTOUR
PROPOSED 2 FT CONTOUR
PROPOSED 10 FT CONTOUR
EXISTING EDGE OF GRAVEL
CENTER LINE OF DITCH
v EVISTING FENCE

— – – PHASE LINE

	PROPOSED EDGE OF CONCRET
	DECK
	PROPOSED BUILDING
	OVERHANG
	PROPOSED POND
	SIDEWALK/BOARDWALK
	PERIMETER DRAIN
	WALL
$\infty$	VEGETATION OUTLINE
	ASPHALT

CONCRETE GRAVEL ROCK/RIP RAP

## IRRIGATION SPECIFICATIONS - GENERAL

## IRRIGATION SYSTEM DESIGN GUIDELINES

- All irrigation systems shall be designed to avoid runoff onto hardscape from low head drainage, overspray and other similar
- conditions where water flows onto adjacent property, non-irrigated areas, walks, roadways or structures. The irrigation system shall be automatic, constructed to discourage vandalism and simple to maintain.
- All equipment shall be of proven design with local service available Control valves should be rated at 200 PSI.
- Visible sprinklers adjacent to hardscape shall be of pop-up design.
- All heads should have a minimum number of wearing pieces with an extended life cycle. Lawn and shrub spray head.s shall be set back from hardscape a minimum of 18 inches. Rotor type heads shall be set back a
- minimum of 4 feet from hardscape. Design sprayhead and rotor head stations with consideration for worst wind conditions. Close spacing and low-angle nozzles are
- required in high and frequent wind areas. Spacing of sprinkler heads shall not exceed manufacturer's maximum recommendations for proper coverage. . Only irrigation heads with matched precipitation rates shall be used on the same valve.
- Valve circuiting shall be designed to be consistent with hydrozones.
- Sprinklers, drippers, valves, etc., must be operated within manufacturer's specifications.
- 13. The use of drip 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 bubbler heads. 4. Trees in turf areas shall be on a separate station to provide proper deep watering.

### DRIP IRRIGATION DESIGN GUIDELINES

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

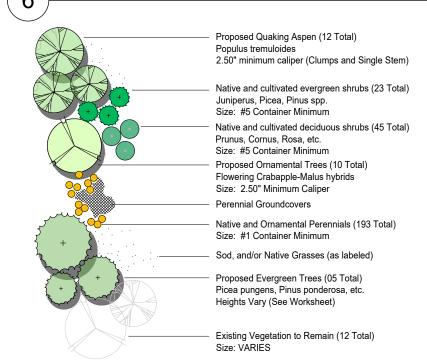
- SPECIFICATIONS FOR IRRIGATION EFFICIENCY rigation efficiencies are expected from well-designed and maintained systems. The following are required:
- controllers with flow sensor capabilities are specified that can automatically shut off individual control valves when excess flow is Pressure compensating screens/devices shall be specified on all spray heads to reduce radius as needed to prevent overthrow

1. High flow check valves shall be installed in or under all heads where damage could occur to property due to flooding, unless

- onto hardscape and/or to control high pressure misting. Soil moisture sensing systems for turf grass hydrozones shall be used. The moisture sensing system shall provide at least one
- sensor location in the turf grass. Controller systems with 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 are recommended and may be substituted for a moisture sensing system. If a soil moisture sensing system is not used and the controller cannot automatically make daily schedule adjustments from local data, then provide an irrigation schedule for all each of the following conditions:
- a. Plant establishment period c. Temporarily irrigated areas Schedules shall include: Irrigation run times per cycle, cycles per day, and days per week (month) for each plant hydrozone and
- application rate. Irrigating shall be scheduled for the cooler time of each day to avoid irrigating during periods of strong winds and high temperatures, with high evaporation loss. Electronic multi-program controllers shall be specified where there is a combination of different hydrozones or when using

# PLANT LEGEND

different types of irrigation equipment.



## 

TRADE OR INDUSTRY NAME:	SEED COMMON NAME	PERCENT OF MIX	BroadCodMSHEANTING Rate
TRANSITION TURF MIX	Smooth Brome, VNS	40%	1-2 lbs. per 1,000 SF
	Perennial Ryegrass, VNS	25%	
	Tall Fescue, Turf Type, VNS	25%	
	Canada Bluegrass, VNS	10%	
			Broadcast Seeding Rate
LOW GROW HIGH ALTITUDE	Crested Wheatgrass, Ephraim	30%	30-35 lbs. per Acre
	Perennial Ryegrass, VNS	25%	
	Sheep Fescue, VNS	15%	
	Chewing Fescue, Shadow II	15%	
	Upland Bluegrass, Drayler	15%	Duna danat Candina Data
			Broadcast Seeding Rate: 40-60 lbs. per Acre
MOUNTAIN MEADOW MIX	Winter Rye (cereal grain)	20%	40-00 lbs. per Acre
	Forage Perennial Ryegrass, VNS	20%	
	Mountain Brome, Bromar	20%	
	Timothy, Climax	15%	
	Forage Kentucky Bluegrass, VNS	14%	
	Orchardgrass, Potomac	10%	
	Alsike Clover	01%	Broadcast Seeding Rate
ALL-BLUE KENTUCKY BLUEGRASS	Kentucky Bluegrass, Jackpot	20%	3-5 lbs. per 1,000 SF
ALL-BLUE RENTUCKT BLUEGRASS	Kentucky Bluegrass, Milagro	20%	
	Kentucky Bluegrass, Milagro Kentucky Bluegrass, Blue Devil	20%	
	Kentucky Bluegrass, Blue Devil Kentucky Bluegrass, Mercury	20%	
	Kentucky Bluegrass, Mercury Kentucky Bluegrass, Rockstar	20%	
NOTE	nemucky bluegrass, mockstal	20/0	

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

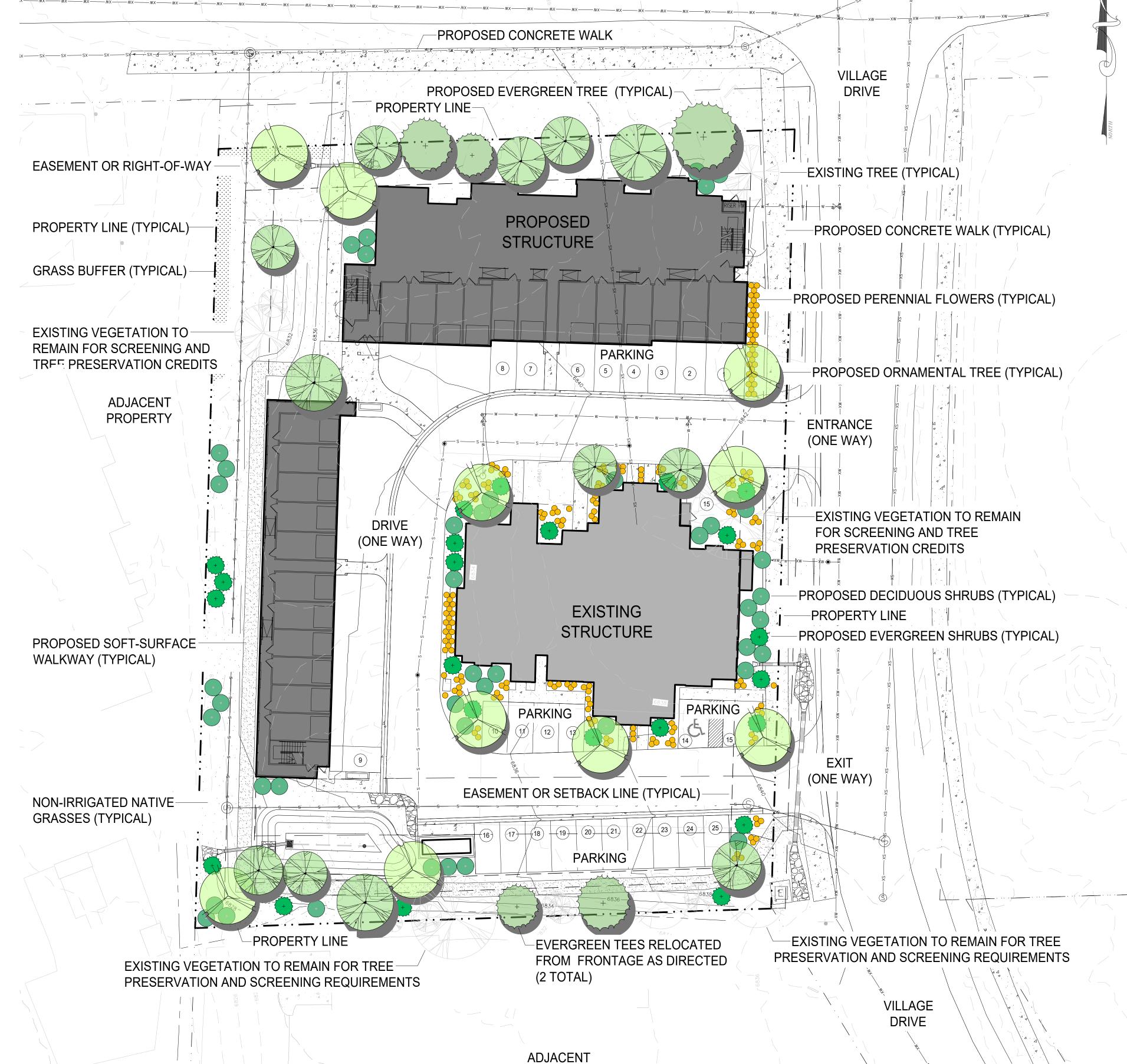
## **IRRIGATION NOTES**

- 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
- 2. At the request of the owner, an as-built plan will be required for submission at the conclusion of the project. All field changes will be recorded, and updated as necessary. Valve box locations are not to be installed in sod areas whenever possible. Take advantage of planting beds, and native turf areas outside the fence for potential valve box locations.
- Provide mainline isolation wherever possible through the use of schedule 40 pvc ball valves (to be sized as necessary) Multiple Points-of-Connection to be provided for providing irrigation water for the system. Locations have not been determined at this time. Locations to be designated prior to construction. Site plumber to provide 1-1/2" copper (minimum) extending 12" from

controllers. Locations to be specified prior to installation. Mounting and connection of 110v power to controller will be

the foundation wall, a minimum of 18" below grade. A fitting should be provided for conversion to PVC. When not located in building mechanical rooms, remote locations may be provided 6. Controller locations have not been determined at this time. A 110v dedicated circuit will be required as a power source for the

# WALTON CREEK ROAD



**PROPERTY** 



440 S. Lincoln Ave, Suite 4B P.O. Box 775966 Steamboat Springs, CO 80487 (970)-871-6772

		<u> </u>							
INT	AB	-							
REVISIONS	REVISIONS PER DRT COMMENTS								
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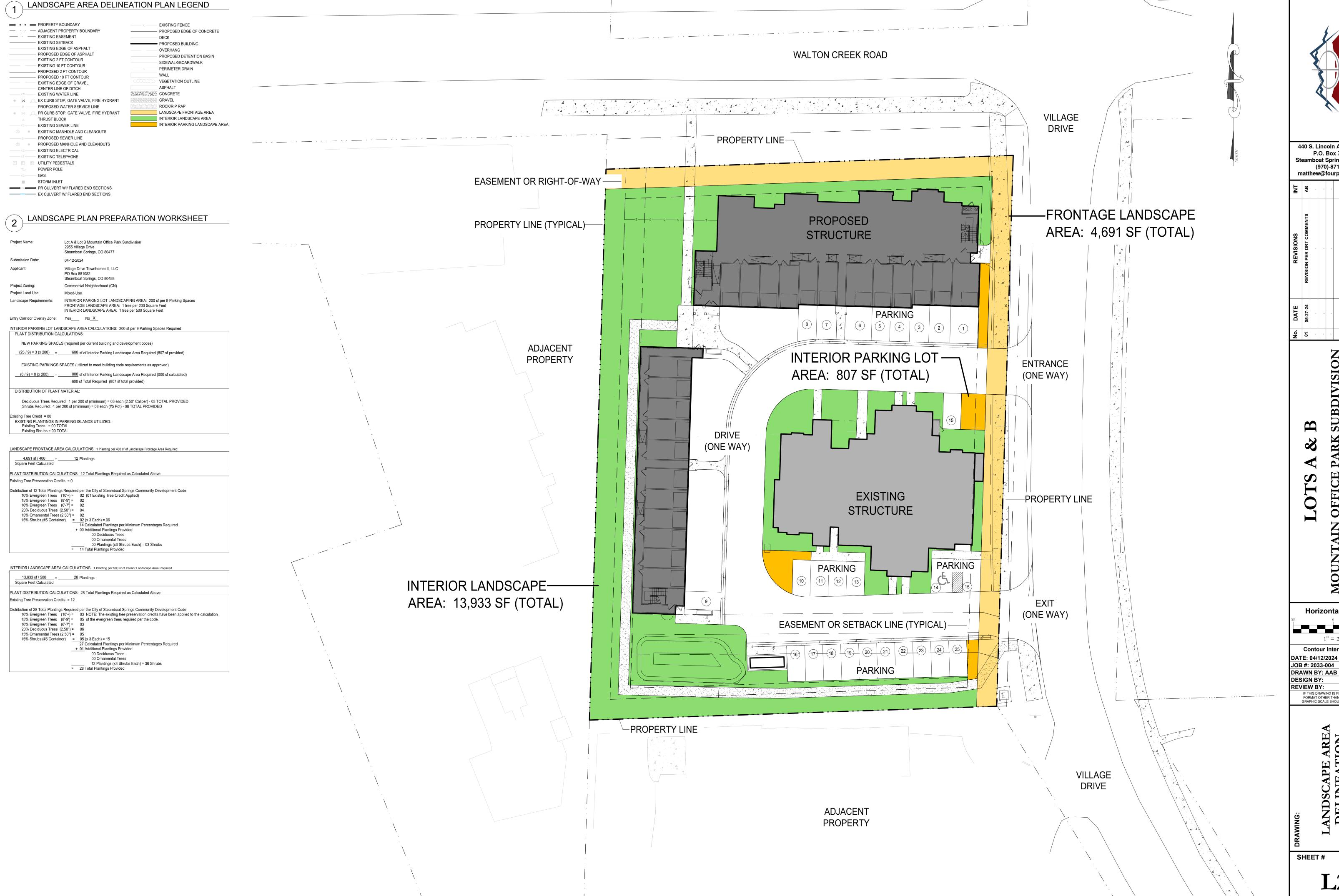
**Horizontal Scale** 

Contour Interval = 2 ft DATE: 04/12/2024 JOB #: 2033-004 DRAWN BY: AAB DESIGN BY:

> IF THIS DRAWING IS PRESENTED IN A FORMAT OTHER THAN 24" X 36", THE GRAPHIC SCALE SHOULD BE UTILIZED

**REVIEW BY:** 

SHEET#



440 S. Lincoln Ave, Suite 4B P.O. Box 775966 Steamboat Springs, CO 80487 (970)-871-6772 matthew@fourpointsse.com

**Horizontal Scale** Contour Interval = 2 ft DATE: 04/12/2024

IF THIS DRAWING IS PRESENTED IN A FORMAT OTHER THAN 24" X 36", THE GRAPHIC SCALE SHOULD BE UTILIZED.