PLANTING NOTES

- 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.
 Contractor(s) shall thoroughly familiarize themselves with all construction documents, specifications, and site conditions prior to bidding and prior to construction. Any discrepancies between drawings, specifications, and site conditions shall be reported 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.
 All dimensions are taken to face of building except where otherwise noted.
- For layout and dimensioning of lots, see engineering drawings.
- Screened images show existing conditions. Where existing conditions lie under or are impinged upon by proposed buildings 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. 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.
- 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.
 Mulch for planted areas to be aged cedar bark: partially decomposed, dark brown in color and free of wood chips thicker than 1/4
- inch. Stone mulch for planted areas to be a mixture of native stone, pea gravel, and other varied sizes of indigenous material to be placed in such a way to be random and visually (natural) in appearance.
 Planting soil mix: excavated soil to be thoroughly incorporated with black gold soil conditioner (or equivalent) to be added per
- naming our max encommended 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
- 6" depth topsoil.13. All plant materials to be under an automatic drip irrigation system to be installed.

2 PLANTING SPECIFICATIONS - GENERAL

SOIL PREPARATION AND PLANTING

PREPARATION - GENERAL

. 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

- Topsoil (Stockpiled): Clean topsoil of roots, plants, stones, clay lumps, and other extraneous materials harmful or toxic to plant growth.
 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 on-site.Pit and Trench Backfill: Mix planting soil prior to backfilling, and stockpile at site.
- Planting Beds: Mix planting soil either prior to planting, or apply on surface of topsoil and mix thoroughly before planting.
 PREPARATION OF PLANTING BEDS
- 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.
 Backfill pits with three parts topsoil and one part Black Gold Soil Conditioner (or approved substitute) thoroughly mixed prior to placing.
- 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
 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.
- 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.
 Dish top of backfill to allow for mulching.
- 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 again 2 weeks after planting.
- Remove and replace excessively pruned or disfigured stock resulting from improper pruning.
 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.

/ERGREEN TREES SCIENTIFIC NAME:	
	SIZE
Populus tremuloides	1.5" - 3.5" cal
Gleditsia triacanthos inermis 'Northern Acclaim	
Malus 'Red Barron'	2.0" - 2.5" ca
Malus 'Spring Snow'	2.0" - 2.5" ca
Picea pungens	6' ht.
EN SHRUBS	
SCIENTIFIC NAME:	SIZE
Picea pungens ' Glauca Globosa '	#7 Pot
Pinus mugo 'Slowmound'	#7 Pot #5 Pot
Juniperus horizontalis 'Blue Chip'	#5 Pot #5 Pot
Juniperus sabina 'Buffalo' Juniperus communis 'Effusa'	#5 Pot #5 Pot
JS SHRUBS	
SCIENTIFIC NAME:	SIZE
Amelanchier alnifolia Chrysothamnus spp.	#7 Pot #5 Pot
Cornus stolonifera	#5 Pot #5 Pot
Potentilla fruticosa	#5 Pot #5 Pot
Potentilla fruticosa Potentilla fruticosa 'pink beauty'	#5 Pot #5 Pot
Lonicera involucrata 'Arnold's Red'	#7 Pot
Ribes aureum	#5 Pot
Rosa woodsii	#5 Pot
Syrangia vulgaris	#7 Pot
NNIALS	
SCIENTIFIC NAME:	SIZE
Achillea millefolim	#1 Pot
Aquilegia caerulea	#1 Pot
Artemesia spp.	#1 Pot
Aster alpinus 'goliath'	#1 Pot
Coreopsis lanceolata	#1 Pot
Dianthus spp.	#1 Pot
Echinacea purpurea	#1 Pot
Echinacea purpurea 'white swan'	#1 Pot
Erigeron speciosus	#1 Pot
Gaillardia aristata	#1 Pot
Geranium spp.	#1 Pot
Ipomopsis aggregata	#1 Pot
Iris missouriensis	#1 Pot
Lupinus 'the govenor'	#1 Pot
Monarda 'scarlet red'	#1 Pot
Papaver orientale	#1 Pot
Penstemon barbatus	#1 Pot
Penstemon cardinalis	#1 Pot
Penstemon strictus Rudbeckia fulgida 'qoldstrum'	#1 Pot #1 Pot
Viguiera multiflora	#1 Pot #1 Pot
AL GRASSES	
SCIENTIFIC NAME:	SIZE
Alopecurus pratensis	#1 Pot
Pennisetum alopecuroides Pennisetum sataceum rubrum	#5 Pot #5 Pot
	#3 P01
DCOVERS SCIENTIFIC NAME:	SIZE
Lampranthus spectabilis	Flat - F15
Mahonia repens	Flat - F15
Phlox subulata 'emerald blue'	Flat - F15
Saponaria ocymoides	Flat - F15
	Saponaria ocymoides Sedum acre evergreen Sedum spurium 'Dragon's Blood' Sempervivum spp.

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

PLANT LEGEND Sod, and/or Native Grasses (as labeled) Proposed Quaking Aspen (05 Total) Populus tremuloides 2.50" minimum caliper (Clumps and Single Stem) Proposed Evergreen shrubs (04 Total) Juniperus, Picea, Pinus spp. Size: #5 Container Minimum Proposed Deciduous shrubs (08 Total) Prunus, Cornus, Rosa, etc. Size: #5 Container Minimum Proposed Ornamental Trees (04 Total) Flowering Crabapple-Malus hybrids Size: 2.50" Minimum Caliper Stone Aggregate on Weed Fabric

Proposed Evergreen Trees (11 Total)
 Picea pungens, Pinus ponderosa, etc.
 Heights Vary (See Worksheet)
 Native and Ornamental Perennials (351 Total)

Size: #1 Container Minimum • Existing Aspen Trees to Remain • Existing Aspen Trees to be Removed During Construction

— Existing Evergreen Trees to Remain

6 UTILITIES LEGEND

\smile			
	-×w-		EXISTING WATER LINE
۲	\bowtie	2	EX CURB STOP, GATE VALVE, FIRE HYDRANT
	- W -		PROPOSED WATER SERVICE LINE
۲	\bowtie	2	PR CURB STOP, GATE VALVE, FIRE HYDRANT
	\bigtriangleup		THRUST BLOCK
	-XS-		EXISTING SEWER LINE
S)	۲	EXISTING MANHOLE AND CLEANOUTS
			PROPOSED SEWER LINE
S)	۲	PROPOSED MANHOLE AND CLEANOUTS
	-XE-		EXISTING ELECTRICAL
	-XT-		EXISTING TELEPHONE
Т	E	TV	UTILITY PEDESTALS
	P.		POWER POLE
	-XG -		GAS
			STORM INLET
			PR CULVERT WI/ FLARED END SECTIONS
_	=		EX CULVERT W/ FLARED END SECTIONS

7 GRASS SEED MIXTURES

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%	
	Tall Fescue, Turf Type, VNS	25%	
	Canada Bluegrass, VNS	10%	
	0		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%	
			Broadcast Seeding Rate
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, Potomac	10%	
	Alsike Clover	01%	
			Broadcast Seeding Rate
ALL-BLUE KENTUCKY BLUEGRASS	Kentucky Bluegrass, Jackpot	20%	3-5 lbs. per 1,000 SI
	Kentucky Bluegrass, Milagro	20%	
	Kentucky Bluegrass, Blue Devil	20%	
	Kentucky Bluegrass, Mercury	20%	
	Kentucky Bluegrass, Rockstar	20%	
NOTE:			

RRIGATION NOTES

reauired.

- 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
- system.
 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
- 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
- this time. Locations to be designated prior to construction. Site prioride 1-1/2 copper (minimum) externaling 12 from 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 controllers. Locations to be specified prior to installation. Mounting and connection of 110v power to controller will be

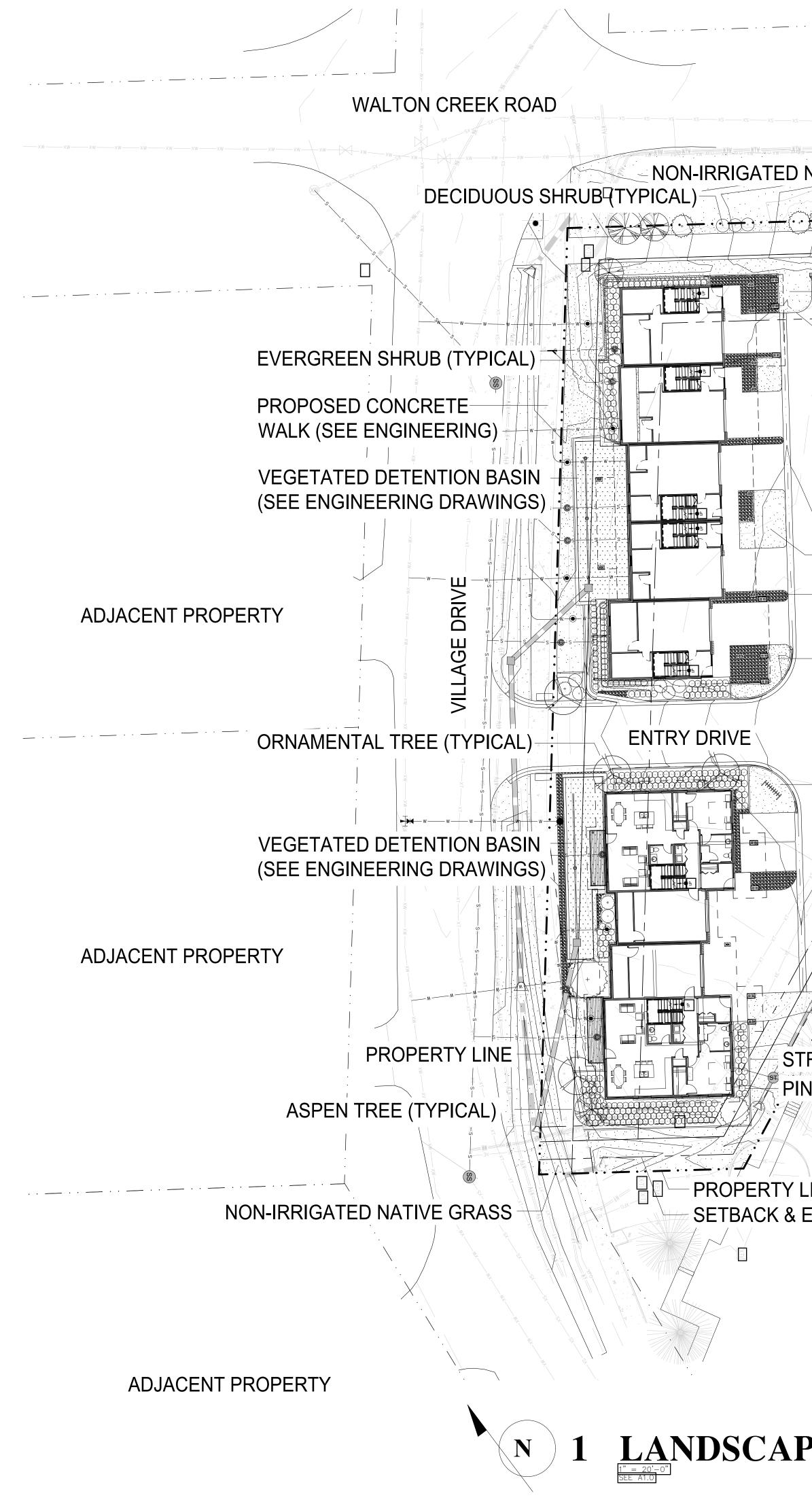
IRRIGATION SPECIFICATIONS - GENERAL

- IRRIGATION SYSTEM DESIGN GUIDELINES

 1.
 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 heads 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.9. 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.
 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.
- 14. Trees in turf areas shall be on a separate station to provide proper deep watering.
- DRIP IRRIGATION DESIGN GUIDELINES 1. 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 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.
 All proposed drip emitters shall match the gallons per day per plant according to plant size and plant type.

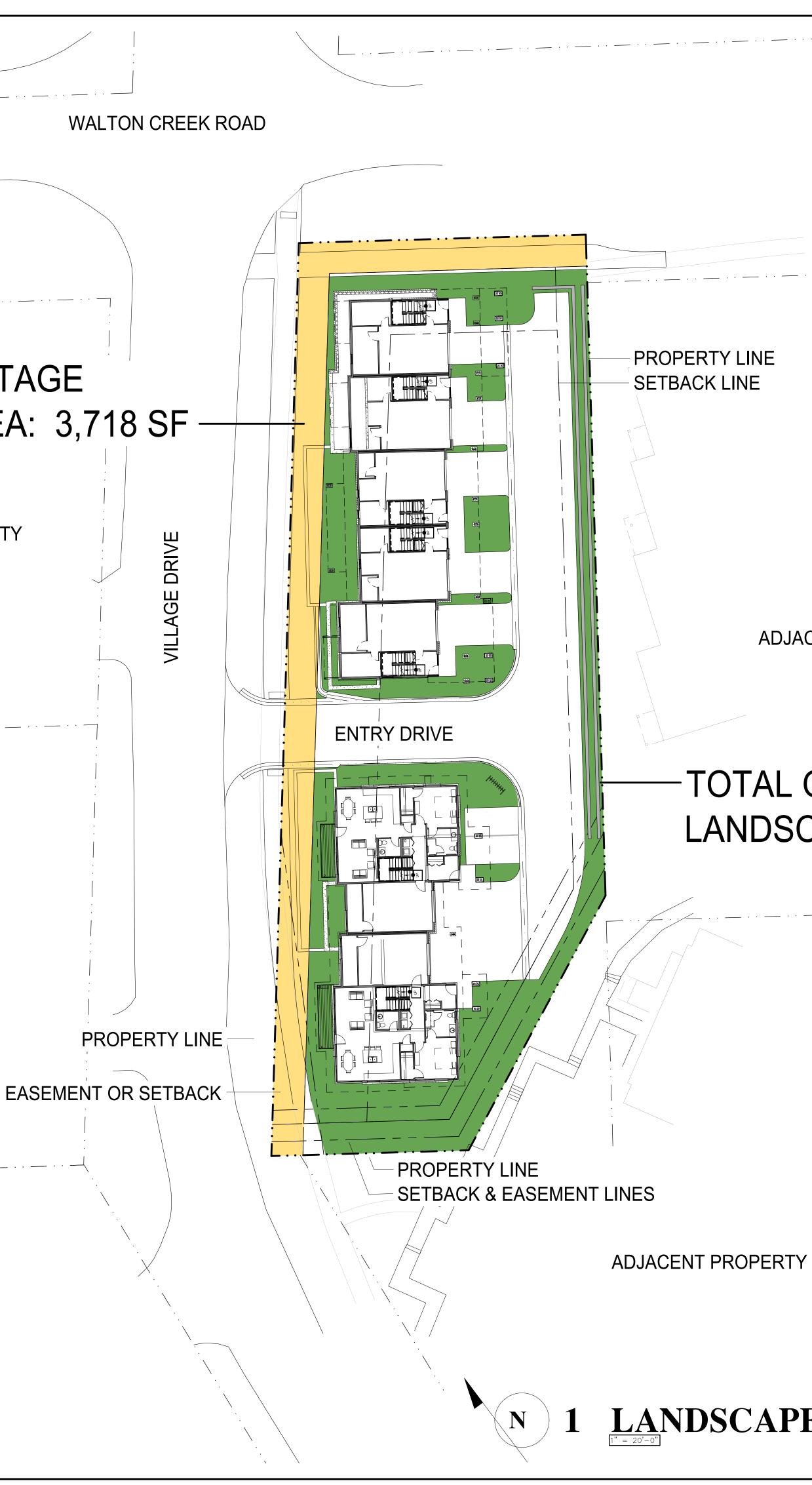
<u>SPECIFICATIONS FOR IRRIGATION EFFICIENCY</u> Irrigation efficiencies are expected from well-designed and maintained systems. The following are required:

- 1. 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.2. Pressure compensating screens/devices shall be specified on all spray heads to reduce radius as needed to prevent overthrow
- onto hardscape and/or to control high pressure misting. 3. 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.5. 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. b. Established landscaping.
- c. Temporarily irrigated areas.
 6. 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 different types of irrigation equipment.



	THESE DRAWINGS DO NOT INCLUDE THE COMPONENTS NECESSARY FOR CONSTRUCTION SAFETY. © Copyright 2020 SAA, P.C.
NATIVE GRASS	
IRRIGATED TURF GRASS RETAINING WALL - SEE ARCHITECTURALS PROPERTY LINE SETBACK LINE PROPOSED DRIVE WITH SNOWMELT PLANTINGS ALONG THIS EDGE TO BE FIELD LOCATED TO PROVIDE SCREENING OF SITE LIGHTING NON-IRRIGATED NATIVE GRASS	LANDSCAPE MASTER PLAN
- STONE AGGREGATE ON FABRIC ADJACENT PROPERTY - IRRIGATED TURF GRASS	
EVERGREEN TREE (TYPICAL) EXISTING ASPEN TO REMAIN IRRIGATED TURF GRASS EXISTING ASPENS TO	 J. Rangitsch J. Rangitsch O. 879. O819 345 lincolh ave ste. 200 boat springs, eo. 80477
REMAIN (TYPICAL) EXISTING EVERGREENS TO REMAIN (TYPICAL)	L p.o. box 772910 345 steamboar
TRIP STONE BORDER NE BARK WOOD MULCH	STEAMBOAT ARCHITECTURA ASSOCIATES
LINE EASEMENT LINES ADJACENT PROPERTY	A Residential Development for Village Drive Townhomes 1805 Walton Creek Road Steamboat Springs, Colorado
Reviewed for Code Compliance 11/01/2021 PENASTER PLAN PLANNING SUBMITTAL 26 OCTOBER 2021	A Reside VI TO 1805 Steamb

LANDSCAPE AREA 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 PROPOSED 2 FT CONTOUR PROPOSED 2 FT CONTOUR	
PROPOSED 211 CONTOUR WALL EXISTING EDGE OF GRAVEL VEGETATION OUTLINE	
CENTER LINE OF DITCH ASPHALT EXISTING WATER LINE CONCRETE	
Image: With the second seco	
Image: Market Stop, Gate Valve, Fire Hydrant Image: Landscape Frontage Area Image: Market Stop, Gate Valve, Fire Hydrant Image: Landscape Frontage Area Image: Market Stop, Gate Valve, Fire Hydrant Image: Landscape Frontage Area Image: Market Stop, Gate Valve, Fire Hydrant Image: Landscape Frontage Area Image: Market Stop, Gate Valve, Fire Hydrant Image: Landscape Frontage Area	
-xs EXISTING SEWER LINE Image: Ima	
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-xe EXISTING ELECTRICAL -xt EXISTING TELEPHONE	
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STORM INLET PR CULVERT WI/ FLARED END SECTIONS	· _ · _ · · · · _ · _ · · · · _ · _ · · · · _ · _ · · · · _ · _ · · · · _ · _ · · _ · · _ · _ · · _ · · _ · _ · · _ · _ · · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ · _ · · _ ·
EX CULVERT W/ FLARED END SECTIONS	
2 LANDSCAPE PLAN PREPARATION WORKSHEET	
	TOTAL OF FRONT
oject Name: Village Drive Townhomes 1805 Walton Creek Road Steamboat Springs, CO 80487	
mission Date: 03-19-2021	LANDSCAPE ARE/
plicant: Sunscope LLC 1897 Hunters Drive Steamboat Springs, Co 80487	
ject Zoning: Commercial Neighborhood (CN)	
ect Land Use: Residential dscape Requirements: FRONTAGE LANDSCAPE AREA: 1 tree per 400 Square Feet	
INTERIOR LANDSCAPE AREA: 1 tree per 500 Square Feet	
ry Corridor Overlay Zone: Yes No_X	
adscape Frontage Area: 1 Planting per 400 sf of Landscape Frontage Area 3,718 	ADJACENT PROPERT
equare Feet Calculated	
ing Tree Credit = 0	
ribution of 10 Total Plantings Required per the City of Steamboat Springs Community Development Code 10% Evergreen Trees (10'+) = 01 15% Evergreen Trees (8'-9') = 02	
15% Evergreen Trees (8-9) = 02 10% Evergreen Trees (6'-7') = 01 20% Deciduous Trees (2.50") = 02	
15% Ornamental Trees (2.50") = 02 15% Shrubs (#5 Container) = 02 10 Calculated Plantings per Minimum Percentages Required	
<u>+ 00</u> Additional Plantings Provided 00 Deciduous Trees	
00 Ornamental Trees 00 Plantings (x3 Shrubs Each) = 00 Shrubs = 10 Total Plantings Provided	
NTERIOR LANDSCAPE AREA CALCULATIONS: 1 Planting per 500 sf of Interior Landscape Area Required 6,661 = 14 Plantings	
Square Feet Calculated	
ANT DISTRIBUTION CALCULATIONS: 14 Total Plantings Required as Calculated Above sting Tree Credit = 0	
tribution of 14 Total Plantings Required per the City of Steamboat Springs Community Development Code 10% Evergreen Trees (10'+) = 02	
15% Evergreen Trees $(8'-9') = 03$ 10% Evergreen Trees $(6'-7') = 02$ 20% Deciduous Trees $(2.50'') = 03$	
15% Ornamental Trees (2.50") = 02 15% Shrubs (#5 Container) <u>= 02</u> (x 3 Each) = 06	
14 Calculated Plantings per Minimum Percentages Required + 00 Additional Plantings Provided 00 Deciduous Trees	
00 Ornamental Trees 00 Plantings (x3 Shrubs Each) = 00 Shrubs	
= 14 Total Plantings Provided	
	ADJACENT PROPERTY
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E AREA DELINEATION PLAN	
Y	A Residential Development for Village Drive Townhomes 1805 Walton Creek Road Steamboat Springs, Colorado
	Image: Constrained by the second s
OF INTERIOR CAPE AREA: 6,661 SF	William J. Rangi 970.879.0 p.o. box 772910 345 lincolh ave steamboat springs, ee
	tsch 819 ste. 200 . 80477
	LANDSCAPE AREA D
	REA DELINEATION PLAN
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