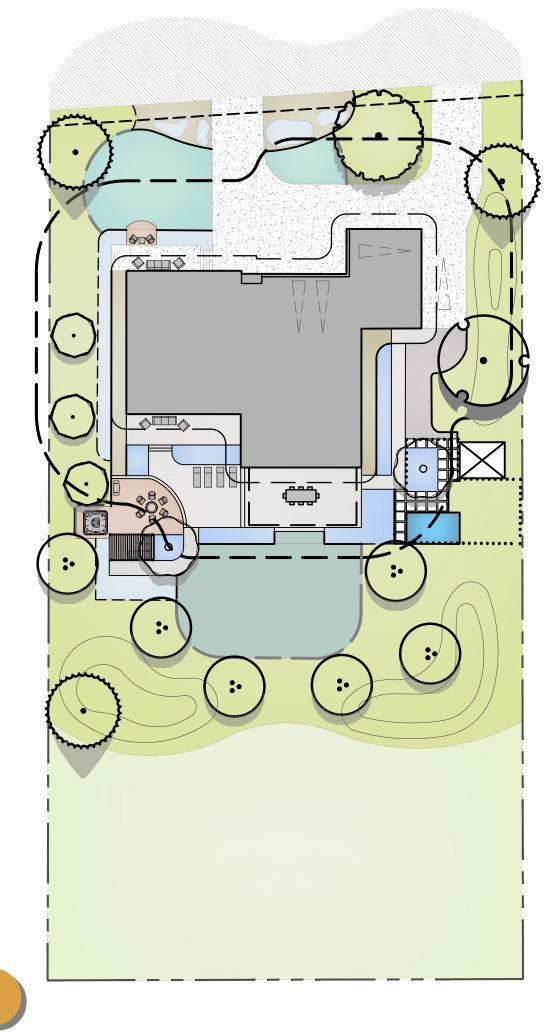
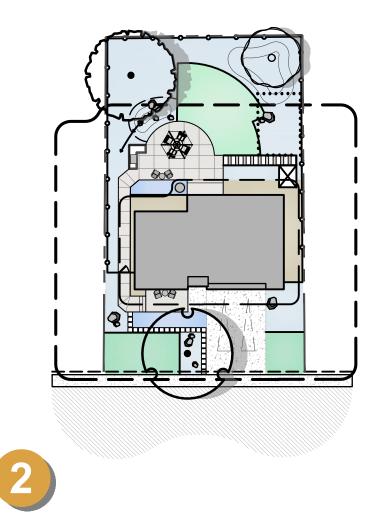
GENERAL LANDSCAPE NOTES

- 1. THE OWNER MAY ELECT TO UPSIZE OR DOWNSIZE PLANT MATERIAL AT THEIR DISCRETION BASED ON SELECTION, AVAILABILITY, OR TO ENHANCE SPECIFIC AREAS OF THE PROJECT. THE CONTRACTOR SHALL VERIFY PLANT MATERIAL SIZES WITH THE OWNER PRIOR TO PURCHASING, SHIPPING OR STOCKING OF PLANT MATERIALS.
- 2. REFER TO IRRIGATION PLANS FOR LIMITS AND TYPES OF IRRIGATION DESIGNED FOR THE LANDSCAPE. IN NO CASE SHALL IRRIGATION BE EMITTED WITHIN THE MINIMUM DISTANCE FROM BUILDING OR WALL FOUNDATIONS AS STIPULATED IN THE GEOTECHNICAL REPORT. ALL IRRIGATION DISTRIBUTION LINES, HEADS AND EMITTERS SHALL BE KEPT OUTSIDE THE MINIMUM DISTANCE AWAY FROM ALL BUILDING AND WALL FOUNDATIONS AS STIPULATED IN THE GEOTECHNICAL REPORT.
- 3. LANDSCAPE MATERIAL LOCATIONS SHALL HAVE PRECEDENCE OVER IRRIGATION MAINLINE AND LATERAL LOCATIONS. COORDINATE INSTALLATION OF IRRIGATION EQUIPMENT SO THAT IT DOES NOT INTERFERE WITH THE PLANTING OF TREES OR OTHER LANDSCAPE MATERIAL.
- 4. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING POSITIVE DRAINAGE EXISTS IN ALL LANDSCAPE AREAS. SURFACE DRAINAGE ON LANDSCAPE AREAS SHALL NOT FLOW TOWARD STRUCTURES AND FOUNDATIONS. MAINTAIN SLOPE AWAY FROM FOUNDATIONS PER THE GEOTECHNICAL REPORT RECOMMENDATIONS. ALL LANDSCAPE AREAS BETWEEN WALKS AND CURBS SHALL DRAIN FREELY TO THE CURB. IN NO CASE SHALL THE GRADE, TURF THATCH, OR OTHER LANDSCAPE MATERIALS DAM WATER AGAINST WALKS. MINIMUM SLOPES ON LANDSCAPE AREAS SHALL BE 2%; MAXIMUM SLOPE SHALL BE 25% UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS OR APPROVED BY THE OWNER.
- PRIOR TO INSTALLATION OF PLANT MATERIALS, AREAS THAT HAVE BEEN COMPACTED OR DISTURBED SHALL BE 5 THOROUGHLY LOOSENED TO A DEPTH OF AT LEAST 6" AND AMENDED PER SPECIFICATIONS.
- 6. TESTING OF EXISTING SOILS IN LANDSCAPE AREAS SHALL BE CONDUCTED TO IDENTIFY NUTRIENTS/CONTAMINANT LEVELS. REVIEW TESTING FOR RECOMMENDED AMOUNTS OF SOIL AMENDMENT. USE SOIL AMENDMENTS IN MODERATION WITH NATIVE PLANTS. THE FOLLOWING SCHEDULE SPECIFIES GENERAL SOIL AMENDMENT RECOMMENDATIONS PER 1000 SQUARE FEET OF LANDSCAPE AREAS:
 - BLUEGRASS AND HIGH-WATER PLANTINGS: 5 CUBIC YARDS/1000 SF
 - SHRUBS, PERENNIALS, & MODERATE-LOW-WATER PLANTINGS: 3 CUBIC YARDS/1000 SF
 - ENHANCED NATIVE TURF: 1-2 CUBIC YARDS/1000 SF **IRRIGATED NAIVE GRASS AREAS: NONE REQUIRED**
- 7. TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DRAINAGE AREAS, OR UTILITY EASEMENTS.
- 8. ALL TREES ARE TO BE STAKED AND GUYED PER DETAILS FOR A PERIOD OF 1 YEAR.
- ALL TREES IN SEED OR TURF AREAS SHALL RECEIVE MULCH RINGS.
- 10. SHRUB, GROUNDCOVER AND PERENNIAL BEDS ARE TO BE CONTAINED BY 4" x 14 GAUGE ROLL TOP, INTERLOCKING TYPE EDGER, JDR DURAEDGE OR EQUAL. EDGER IS NOT REQUIRED WHEN ADJACENT TO CURBS, WALLS, WALKS OR SOLID FENCES WITHIN 3" OF PRE-MULCHED FINAL GRADE.
- 11. MULCH SHRUB BEDS WITH MIN. 3" DEPTH, 5/8" MINUS LANDSCAPE ROCK . ALL GROUND COVER AND PERENNIAL FLOWER BEDS SHALL BE MULCHED WITH 3" DEPTH, SQUEEGEE 3/8" MINUS LANDSCAPE ROCK MULCH.
- USE OF WEED CONTROL FABRIC IS NOT RECOMMENDED TO POTENTIAL MULCH MOVEMENT THAT CAN LEAVE FABRIC EXPOSED. WEED BARRIER ALSO REDUCES THE INFILTRATION OF NATURAL PRECIPITATION.
- 12. AT SEED AREA BOUNDARIES ADJACENT TO EXISTING NATIVE AREAS, OVERLAP ABUTTING NATIVE AREAS BY THE FULL WIDTH OF THE SEEDER.
- 13. SHRUB BED PLANTING DESIGN SHOULD ACHIEVE MINIMUM 50% PLANT COVERAGE WITHIN 2-3 GROWING SEASONS. EXCEPTIONS INCLUDE:
 - AREAS WITHIN 5-FEET OF STRUCTURES LEFT UNPLANTED FOR LOW-FLAMMABILITY DESIGN CONSIDERATIONS AREAS WITHIN 5-FEET OF STRUCTURES WHERE IRRIGATION APPLICATION IS EXCLUDED TO LIMIT WATER NEAR FOUNDATIONS WHERE EXPANSIVE SOILS ARE PRESENT







SUSTAINABLE LANDSCAPE TEMPLATES | 100% LANDSCAPE DESIGN Northern Water 12/07/2023

LANDSCAPE LEGEND

	CODE	DESCRIPTION	APPLICA			
				HON		
	WA-01	TURF - BLUEGRASS		RAFFIC AND ACTIVE USE, MAIN	TAIN AT 3"-5" HEIGHT	
	WA-02	TURF - BUFFALO/BLUE GRAMA		•	JRF ALTERNATIVE, 3"-12" HEIGH	T
	WA-03	TURF - DOG TUFF	WARM SE	EASON TURF ALTERNATIVE (CC NG), 2"-5" HEIGHT		
	WA-04	TURF - TAHOMA 31 BERMUDAGRASS	HEAVY TH	,	BLUEGRASS WITH LOWER WAT	ER
	WA-05	NATIVE GRASS - IRRIGATED	LOW GRO		EDING INSTALLATION, IRRIGATE	D
	WA-06	NATIVE GRASS - IRRIGATED	ALTERNA		EIGHT), SEEDING INSTALLATION	,
	WA-07	PLANTING BED - HIGH WATER	-	BLE GARDENING OR OTHER SIN	IILAR FUNCTIONAL USE	
	WA-08	PLANTING BED - MODERATE USE	PLANTS V SEASON	WATERED TO ESTABLISH AND S	SUPPLEMENTED DURING GROW	ING
	WA-09	PLANTING BED - LOW WATER		LANTS WATERED TO ESTABLIS PRECIPITATION	SH AND LARGELY SUSTAIED BY	
	CODE	DESCRIPTION				
	M-01	STEEL EDGING	1			
	M-02	SPADE EDGING	1			
	M-03	PERFORATED EDGER] [
	M-04	OPTIONAL GARDEN IN-A-BOX AREA	-	TEMPL	ATE SUMMAR	YC
	CODE	DESCRIPTION	-	TEMPLATE #	SIZE	
	M-05	LANDSCAPE ROCK	-	1	45,730 SF	
	M-06	CRUSHER FINES	-	_	- /	
	M-07	DECORATIVE ROCK	-	2	7,400 SF	
			-			
	SYMBOL	DESCRIPTION	-	3	3,020 SF	WA
\bigcirc	M-08	LANDSCAPE BOULDER	-			
	CODE	DESCRIPTION	-	4	14,090 SF	
	P-01	ASPHALT PAVEMENT	-			
	P-02	PAVERS	-	5	6,750 SF	
	P-03	DECORATIVE PAVERS	-			
	P-04	POROUS PAVERS	-	6	5,770 SF	ſ
	P-05	CONCRETE PAVEMENT	-			
	CODE	DESCRIPTION	-			
	N-01	TREE LOCATIONS	-			
	N-02	SHRUB PLANTING	-			
	N-03	PERENNIAL PLANT LAYOUT	-			
	N-04	SHED	-			
	N-05	GRILL	-			
	N-06	FURNITURE BY OWNER	-			
	N-07	MOW LINE	-			
	N-08	RAIN GARDEN	-			
	N-09	RAIN BARREL	-			
	N-10	SWALE/CULVERT	1			
	N-11	CONCRETE/FLAGSTONE STEPPERS	-			
	N-12	FREESTANDING WALL	-			
	N-13	RETAINING WALL	-			
	N-14	LANDSCAPE BOULDER WALL	-			
	N-15	PLANTER WALL	-	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		
				محدم	PM	

TEMPLATE SUMMARY CHART

WATER NEEDED

(GAL/SF/YR)

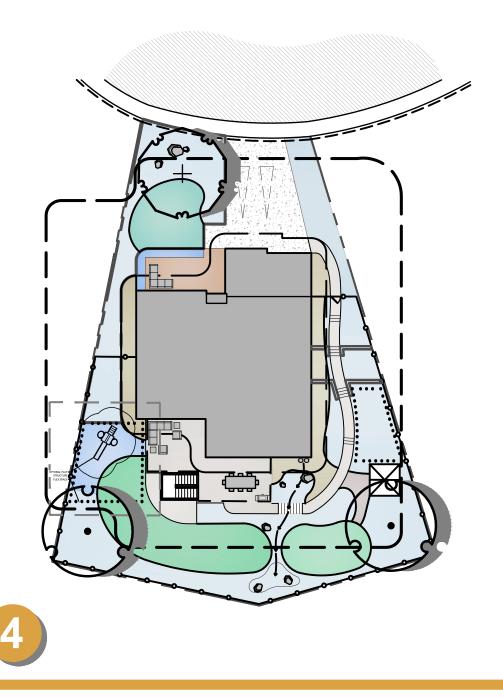
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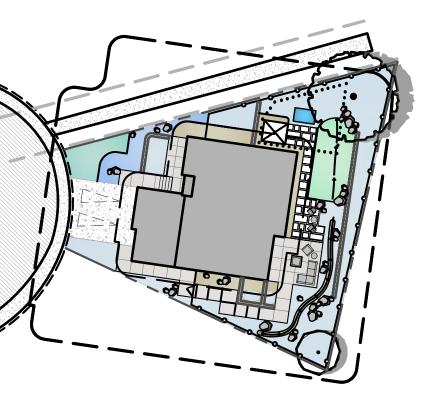
TEMPLATE #	SIZE	DESCRIPTION			
1	45,730 SF	LARGE LOT			
2	7,400 SF	CONTEMPORARY GEOMETRIC			
3	3,020 SF	WATER-WISE ADAPTIVE			
4	14,090 SF	NATURALISTIC			
5	6,750 SF	COLORADO CONTEMPORARY			
6	5,770 SF	MODERN ADAPTIVE			



SOD AND SEED MIXES

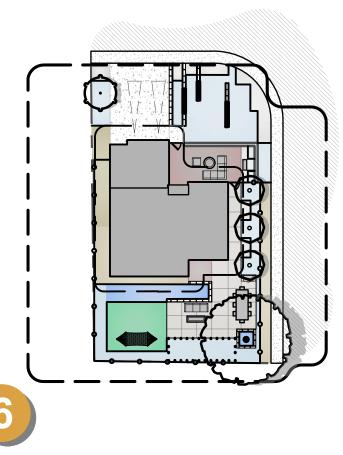
BLUEG	RASS (SOD)		OVERHEAD	SPRAY IRRIGATION
	BLUEGRASS BLEND			
	COMMON NAME	% OF	- TOTAL	WATER USE
	TALL FESCUE KENTUCKY BLUEGRASS		90% 10% 100%	HIGH HIGH
BUFFAL	OGRASS & BLUE GRAMA TUR	F SEED MIX	OVERHEAD	SPRAY IRRIGATION
	COMMON NAME	% OF TOTAL		WATER USE
	BUFFALO GRASS, CODY OR BOWIE BLUE GRAMA, ALMA OR BAD RIVER	80% 20%		LOW LOW
		100% 3S PLS / 1,000 SF; (BROADCAST)	4 LBS PLS /1,000 SF
	IFF TURF (PLUGS) ALL AS PLUGS WITH ON-CENTER SPACING /	AS RECOMMENDE	-	SPRAY IRRIGATION Y STOCK SUPPLIER
	SCIENTIFIC NAME	% OF TOTAL		WATER USE
	CYNADON 'PWIN04S'	100%		LOW
ТАНОМ	A 31 BERMUDAGRASS (SOD) -		OVERHEAD	SPRAY IRRIGATION INSTALL AS SOD
	SCIENTIFIC NAME	% OF TOTAL		WATER USE
	CYNODON DACTYLON X C. TRANSVAALEN	NSIS 100%		LOW
ENHAN	CED NATIVE TURF (SEED) ——		OVERHEAD	SPRAY IRRIGATION
	COMMON NAME	% OF TOTAL		WATER USE
	BUFFALO GRASS, CODY OR BOWIE	40%		LOW
	BLUE GRAMA, ALMA OR BAD RIVER SIDEOATS GRAMA, VAUGHN OR EL RENO	20% 20%		LOW LOW
	SLENDER WHEATGRASS	20%		LOW
	SEEDING RATE: (DRILL) 3 LBS PURE LI	100% VE SEED / 1,000 SI	F; (BROADCAS	T) 3 LBS PURE LIVE SEED / 1,000 SF
RRIGAT	ED NATIVE GRASS SEED	DER COUNTY REC		SPRAY IRRIGATION ATIVE SEED MIXES
	COMMON NAME	% OF TOTAL		WATER USE
	SIDE OATS GRAMA, VAUGHN	10%		LOW
	BLUE GRAMA, NATIVE, ALMA, OR HACHITA			LOW
	SLENDER WHEATGRASS, SAN LUIS	20% 10%		LOW
	JUNEGRASS WESTERN WHEATGRASS, ARRIBA	10% 10%		LOW LOW
	WESTERN WHEATGRASS	10%		LOW
	SWITCHGRASS, BLACKWELL OR NEBRASH			LOW

100% SEEDING RATE: (DRILL) 3 LBS PURE LIVE SEED / 1,000 SF; (BROADCAST) 3 LBS PURE LIVE SEED / 1,000 SF



REEN NEEDLEGRASS, LODORM OR NATIVE

LITTLE BLUESTEM, CIMMARON OR



LOW

LOW



SCALE: 1/32" =



PLANT SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	ROOT
DECIDUOU	S CANOPY TREES		
AC SN	ACER NEGUNDO 'SENSATION'	SENSATION BOX ELDER	B & B
CA SP	CATALPA SPECIOSA	NORTHERN CATALPA	B & B
GY DI	GYMNOCLADUS DIOICA `ESPRESSO`	KENTUCKY COFFEETREE	B & B
QU MA	QUERCUS MACROCARPA	BURR OAK	B & B
EVERGREE			
PLIS	PICEA PUNGENS 'ISELI FASTIGIATE'	FASTIGIATE SPRUCE	B&B
PI PO	PINUS PONDEROSA	PONDEROSA PINE	B & B
AC HW AM AB	ACER TATARICUM `HOT WINGS` AMELANCHIER X GRANDIFLORA `AUTUMN	HOT WINGS TATARIAN MAPLE AUTUMN BRILLIANCE SERVICEBERRY	B & B B & B
	BRILLIANCE	AUTUIVIN DRILLIAINCE SERVICEDERRT	DQD
CE PR	CELTIS OCCIDENTALIS 'JFS-KSU1'	PRAIRIE SENTINEL® HACKBERRY	B & B
CR IN	CRATAEGUS CRUS-GALLI INERMIS	THORNLESS COCKSPUR HAWTHORN	B & B
MA AD	MALUS X `ADIRONDACK`	ADIRONDACK CRABAPPLE	B & B
MA SS	MALUS X `SPRING SNOW`	SPRING SNOW CRAB APPLE	B & B
PR CH	PRUNUS X VIRGINIANA `P002`	SUCKER PUNCH CANADA CHOKECHERRY	B & B
DECIDUOU	S SHRUBS		
AM RE	AMELANCHIER ALNIFOLIA 'REGENT'	REGENT SERVICEBERRY	CONT.
AM CA	AMORPHA CANESCENS	LEADPLANT	CONT.
AR MO	ARONIA MELANOCARPA 'MORTON'	IROQUOIS BEAUTY™ BLACK CHOKEBERRY	CONT.
CH MI	CHAMAEBATIARIA MILLEFOLIUM	FERNBUSH	CONT.
CH NN	CHRYSOTHAMNUS NAUSEOSUS NAUCEOSUS	BABY BLUE RABBITBRUSH	CONT.
CO KE	CORNUS SERICEA `KELSEYI`	KELSEYI DOGWOOD	CONT.
CO BA	CORNUS SERICEA 'BAILEYI'	BAYLEY'S RED TWIG DOGWOOD	CONT.
CY SP	CYTISUS PURGANS `SPANISH GOLD`	SPANISH GOLD BROOM	CONT.
CY LE	CYTISUS X 'LENA'	LENA BROOM	CONT.
EU AL	EUONYMUS ALATUS `COMPACTUS`	COMPACT BURNING BUSH	CONT.
FA PA	FALLUGIA PARADOXA	APACHE PLUME	CONT.
HO DU	HOLODISCUS DUMOSUS	ROCK SPIREA	CONT.
JA AM	JAMESIA AMERICANA	WAXFLOWER	CONT.
LILO	LIGUSTRUM VULGARE `LODENSE`	LODENSE PRIVET	CONT.
PHLI	PHILADELPHUS MICROPHYLLUS	LITTLELEAF MOCKORANGE	CONT.
PH OP	PHYSOCARPUS OPULIFOLIUS 'DART'S GOLD'	DART'S GOLD NINEBARK	CONT.
PO FR	POTENTILLA FRUTICOSA	BUSH CINQUEFOIL	CONT.
PR BE	PRUNUS BESSEYI	WESTERN SAND CHERRY	CONT.
	RIBES AUREUM		CONT.
RONE	ROSA FLORIBUNDA 'NEARLY WILD'	NEARLY WILD ROSE	CONT.
SA PU	SALIX PURPUREA 'NANA'		CONT.
SH AG	SHEPHERDIA ARGENTEA 'TOTEM'	SILVER TOTEM® BUFFALOBERRY	CONT.
VI AL	VIBURNUM X RHYTIDOPHYLLOIDES `ALLEGHANY`	ALLEGHANY VIBURNUM	CONT.
			CONT
	ARCTOSTAPHYLOS X COLORADENSIS 'CHIEFTAIN'		CONT.
AR PA	ARCTOSTAPHYLOS X COLORADOENSIS 'PANCHITO'		CONT.
PI MO	PINUS MUGO `MOPS`	MUGO PINE	CONT.
	TAL GRASSES		0.0N/T
BO BA	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA GRASS	CONT.
FE EB	FESTUCA GLAUCA 'ELIJAH BLUE'	BLUE FESCUE	CONT.
	MISCANTHUS SINENSIS 'VARIEGATUS'	VARIEGATED MAIDEN GRASS	CONT.
MU RE			CONT.
PA SH	PANICUM VIRGATUM `SHENANDOAH`	SWITCH GRASS	CONT.
SC SC	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	CONT.
SC ST SP HE	SCHIZACHYRIUM SCOPARIUM `STANDING OVATION` SPOROBOLUS HETEROLEPIS	STANDING OVATION BLUESTEM GRASS PRAIRIE DROPSEED	CONT. CONT.
<u>PERENNIAL</u> AG RU	<u>-S</u> AGASTACHE RUPESTRIS	SUNSET HYSSOP	CONT.
AR FR	ARTEMISIA FRIGIDA	FRINGED SAGE	CONT.
EN PE	ENGELMANNIA PERISTENIA	ENGELMANN'S DAISY	CONT.
MO BE	MONARDA FISTULOSA	NATIVE BEEBALM	CONT.
SARE	SALVIA REPTANS 'P016S'	AUTUMN SAPPHIRE™ SAGE	CONT.
ZIGR	ZINNIA GRANDIFLORA	ROCKY MOUNTAIN ZINNIA	CONT.



SUSTAINABLE LANDSCAPE TEMPLATES | PLANT SCHEDULES

<u>SIZE</u>	WATER USE	<u>HEIGHT</u>	<u>SPREAD</u>
2"CAL 2"CAL 2"CAL 2"CAL 2"CAL	LOW LOW LOW LOW	25`-30` 40`-50` 50`-80` 50`-80`	20`-25` 30`-40` 40`-60` 60`-80`
6` HEIGHT 6` HEIGHT	MOD LOW	10`-15` 50`-80`	4`-6` 30`-40`
1.5"CAL 1.5"CAL	LOW LOW	15`-20` 15`-25`	15`-20` 15`-20`
1.5"CAL 1.5"CAL 1.5"CAL 1.5"CAL 1.5"CAL 1.5"CAL	LOW LOW MOD LOW LOW	30`-40` 20`-25` 15`-20` 15`-25` 20`-25`	10`-15` 15`-20` 10`-15` 20`-25` 15`-20`
#5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #	LOW LOW VERY LOW VERY LOW MOD MOD LOW LOW LOW LOW LOW LOW LOW LOW LOW LOW	7'-8' 3'-4' 4'-5' 4'-5' 1'-2' 2'-3' 9'-12' 3'-4' 2'-3' 7'-8' 5'-6' 5'-6' 7'-8' 2'-3' 5'-6' 4'-5' 2'-3' 5'-6' 4'-5' 2'-3' 5'-6' 2'-12' 9'-12'	7^{-8} 3^{-4} 2^{-3} 5^{-6} 2^{-3} 2^{-3} 2^{-3} 2^{-3} 3^{-10} 5^{-6} 3^{-4} 7^{-8} 5^{-6} 5^{-6} 5^{-6} 3^{-4} 4^{-5} 4^{-5} 4^{-5} 2^{-3} 5^{-6} 2^{-3} 5^{-6} 2^{-3} 5^{-6} 2^{-3} 5^{-6}
#5 #5 #5	LOW LOW LOW	2`-3` 2`-3` 2`-3`	5`-6` 5`-6` 2`-3`
#1 #1 #1 #1 #1 #1 #1	VERY LOW LOW MOD LOW LOW LOW LOW	2`-3` <1` 4`-5` 2`-3` 3`-4` 3`-4` 3`-4` 2`-3`	1`-2` <1` 2`-3` 1`-2` 1`-2` 2`-3` 1`-2` 1`-2`
#1 #1 #1 #1 #1 #1	LOW VERY LOW LOW LOW VERY LOW	1`-2` 1`-2` 1`-2` 2`-3` 2`-3` <1`	2`-3` 1`-2` 2`-3` 1`-2` 1`-2` 1`-2`

PLANT SCHEDULE LOW-FLAMMABILITY

CODE	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	WATER USE	HEIGHT	SPREAD
					WATER OOL	<u>IILIOIII</u>	
DECIDUOU	S SHRUBS						
BE TH	BERBERIS THUNBERGII 'ATROPURPUREA NANA'	DWARF RED LEAF JAPANESE BARBERRY	CONT.	#5	LOW	1`-2`	2`-3`
PH CH	PHILADELPHUS LEWISII 'CHEYENNE'	LEWIS MOCK ORANGE	CONT.	#5	LOW	6`-7`	5`-6`
PR PB	PRUNUS BESSEYI PAWNEE BUTTES	CREEPING WESTERN SAND CHERRY	CONT.	#5	LOW	2`-3`	5`-6`
RH GR	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	CONT.	#5	LOW	2`-3`	7`-8`
RH AU	RHUS TRILOBATA `AUTUMN AMBER`	AUTUMN AMBER SUMAC	CONT.	#5	VERY LOW	1`-2`	5`-6`
SY AL	SYMPHORICARPOS ALBUS	COMMON WHITE SNOWBERRY	CONT.	#5	LOW	3`-4`	3`-4`
EVERGREE	N SHRUBS						
EU EG	EUONYMUS FORTUNEI `EMERALD GAIETY` TM	EMERALD GAIETY EUONYMUS	CONT.	#5	MOD	1`-2`	3`-4`
HE PA	HESPERALOE PARVIFLORA	RED YUCCA	CONT.	#5	VERY LOW	3`-4`	3`-4`
YU FI	YUCCA FILAMENTOSA	ADAM'S NEEDLE	CONT.	#1	LOW	2`-3`	3`-4`
PERENNIAI	S						
AL MO	ALCHEMILLA MOLLIS	LADY`S MANTLE	CONT.	#1	MOD	1`-2`	1`-2`
AQ CA	AQUILEGIA CAERULEA	ROCKY MOUNTAIN COLUMBINE	CONT.	#1	MOD	1`-2`	1`-2`
AS TU	ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED	CONT.	#1	LOW	2`-3`	1`-2`
AS LA	ASTER LAEVIS	SMOOTH ASTER	CONT.	#1	LOW	3`-4`	1`-2`
BA AU	BAPTISIA AUSTRALIS	BLUE WILD INDIGO	CONT.	#1	LOW	3`-4`	2`-3`
CE TO	CERASTIUM TOMENTOSUM	SNOW IN SUMMER	CONT.	#1	LOW	1`-2`	1`-2`
CE PL	CERATOSTIGMA PLUMBAGINOIDES	DWARF PLUMBAGO	CONT.	#1	LOW	1`-2`	1`-2`
DE NC	DELOSPERMA BASUTICUM	ICE PLANT	CONT.	#1	LOW	<1`	1`-2`
DI CR	DIASCIA INTEGERRIMA 'P009S'	CORAL CANYON® TWINSPUR	CONT.	#1	LOW	1`-2`	1`-2`
EC PU	ECHINACEA PURPUREA	PURPLE CONEFLOWER	CONT.	#1	LOW	2`-3`	1`-2`
GA AR	GAILLARDIA ARISTATA	NATIVE BLANKET FLOWER	CONT.	#1	LOW	1`-2`	1`-2`
GE ST	GERANIUM VISCOSISSIMUM	STICKY GERANIUM	CONT.	#1	LOW	2`-3`	1`-2`
HE SA	HEUCHERA X `SNOW ANGEL`	SNOW ANGEL CORAL BELLS	CONT.	#1	MOD	1`-2`	1`-2`
LILI	LIATRIS LIGULISTYLIS	MEADOW BLAZING-STAR	CONT.	#1	LOW	2`-3`	1`-2`
MI MU	MIRABILIS MULTIFLORA	DESERT FOUR O'CLOCK	CONT.	#1	VERY LOW	2`-3`	3`-4`
PE DI	PENSTEMON DIGITALIS 'HUSKER RED'	HUSKER RED BEARDTONGUE	CONT.	#1	LOW	2`-3`	1`-2`
PE PP	PENSTEMON MEXICALI `PIKE`S PEAK PURPLE`	PIKES PEAK PURPLE PENSTEMON	CONT.	#1	LOW	1`-2`	<1`
PE ST	PENSTEMON STRICTUS	ROCKY MOUNTAIN PENSTEMON	CONT.	#1	LOW	1`-2`	1`-2`
RU FU	RUDBECKIA FULGIDA `GOLDSTRUM`	BLACK-EYED SUSAN	CONT.	#1	LOW	1`-2`	1`-2`
SA SP	SAPONARIA OCYMOIDES `SPLENDENS`	ROCK SOAPWORT	CONT.	#1	LOW	<1`	1`-2`
SE RU	SEDUM RUPESTRE 'ANGELINA'	ANGELINA STONECROP	CONT.	#1	LOW	<1`	2`-3`
SE AJ	SEDUM X `AUTUMN JOY`	AUTUMN JOY SEDUM	CONT.	#1	LOW	1`-2`	1`-2`
SO BA	SOLIDAGO X 'GOLDKIND'	GOLDEN BABY GOLDENROD	CONT.	#1	LOW	1`-2`	1`-2`
VE SN	VERONICA SNOWMASS	SNOWMASS BLUE-EYED SPEEDWELL	CONT.	#1	LOW	<1`	1`-2`
ZA GA	ZAUSCHNERIA GARRETTII 'PWWG01S'	ORANGE CARPET® HUMMINGBIRD TRUMPET	CONT.	#1	LOW	1`-2`	1`-2`
NOTES:							

SHRUBS, ORNAMENTAL GRASSES, AND PERENNIAL SIZING MAY BE REDUCED TO SAVE ON COST OF INSTALLATION. 1. 2. SHRUB BED PLANTING DESIGN SHOULD ACHIEVE MINIMUM 50% COVERAGE WITHIN 2-3 GROWING SEASONS 3. FIRE SMART PLANT SCHEDULE INCLUDES PLANTS WITH RATING OF 7 OR GREATER AS DESIGNATED BY IDAHO LOW-FLAMMABILITY https://idahofirewise.org/firewise-landscapes/firewise-plant-materials/



CORNER LOT 6

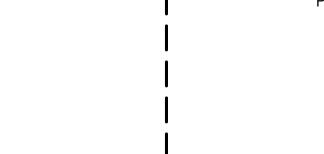
KEY CHARACTERISTICS: MODERN, ORGANIZED PLANTING SCHEMES, STAGGERED, CLEAN BORDERS, VARIED **TEXTURES & COLORS**



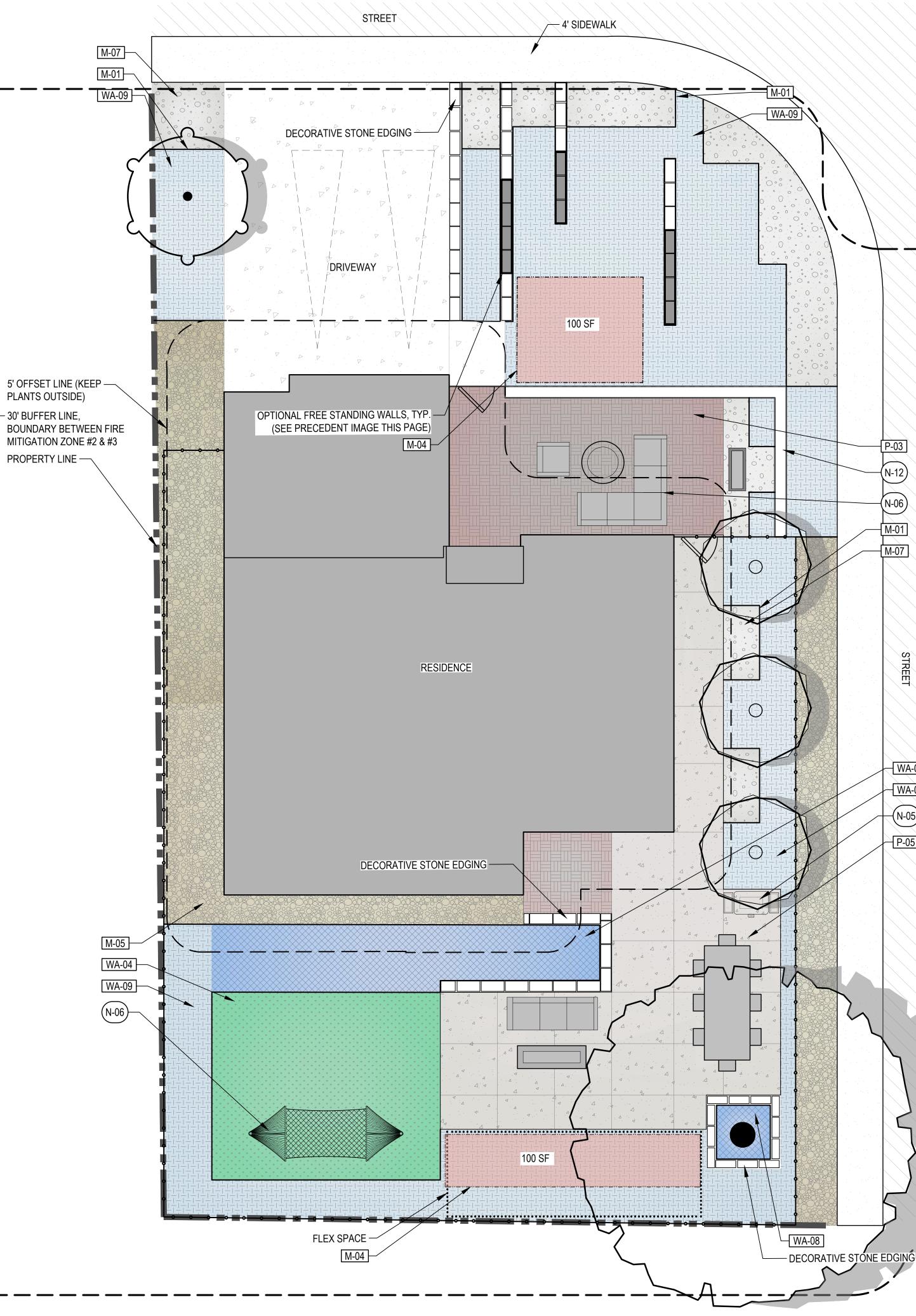


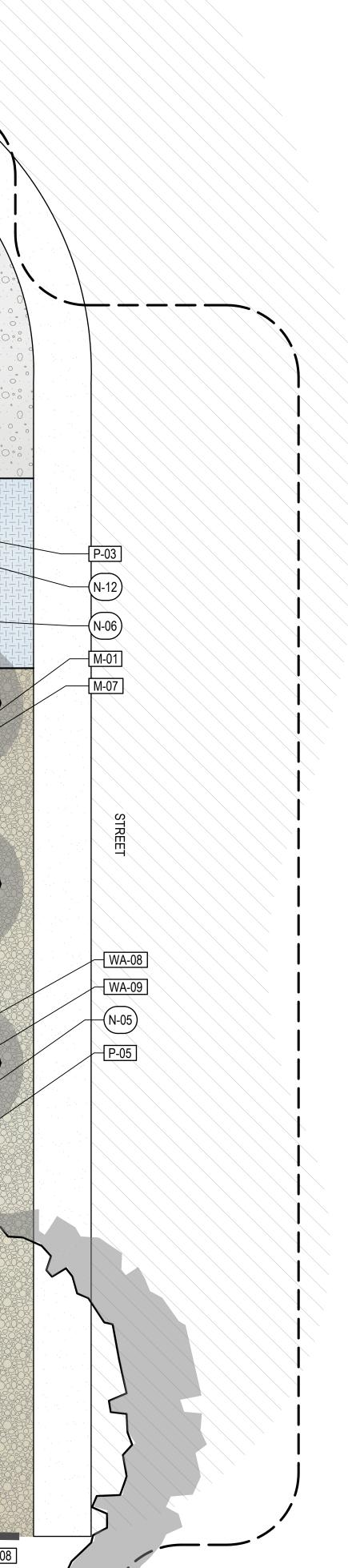












LEGEND

	PROPERTY LINE
	ROW LINE (ROW)
• • • • • • • • • • • • • • • • • • • •	FLEX SPACE
	FENCE
$-\cdots \rightarrow - \cdots \rightarrow$	SWALE/CULVERT
$-\cdots \rightarrow -\cdots \rightarrow$	SWALE/CULVERT EASEMENT LINE
$-\cdots \rightarrow -\cdots \rightarrow$	

	CODE	DESCRIPTION
	WA-01	TURF - BLUEGRASS
	WA-02	TURF - BUFFALO/BLUE GRAMA
	WA-03	TURF - DOG TUFF
+ + + + + + + + + + + + + + + + + + +	WA-04	TURF - TAHOMA 31 BERMUDAGRASS
	WA-05	NATIVE GRASS - IRRIGATED ENHANCED
	WA-06	NATIVE GRASS - IRRIGATED
	WA-07	PLANTING BED - HIGH WATER
	WA-08	PLANTING BED - MODERATE USE
	WA-09	PLANTING BED - LOW WATER
	CODE	DESCRIPTION
	M-01	STEEL EDGING
	M-02	SPADE EDGING
	M-03	PERFORATED EDGER
	M-04	OPTIONAL GARDEN IN-A-BOX AREA
L		
	CODE	DESCRIPTION
	M-05	LANDSCAPE ROCK
	M-06	CRUSHER FINES
0.0.0	M-07	DECORATIVE ROCK
_	SYMBOL	DESCRIPTION
	M-08	LANDSCAPE BOULDER
	CODE	DESCRIPTION
· · · · · · · · · · · · · · · · · · ·	P-01	ASPHALT PAVEMENT
	P-02	PAVERS
	P-03	DECORATIVE PAVERS
	P-04	POROUS PAVERS
	P-05	CONCRETE PAVEMENT
а	CODE	DESCRIPTION
	N-01	TREE LOCATIONS
	N-02	SHRUB PLANTING
	N-03	PERENNIAL PLANT LAYOUT
	N-04	SHED
	N-05	GRILL
	N-06	FURNITURE BY OWNER
	N-07	MOW LINE
	N-08	RAIN GARDEN
	N-09	RAIN BARREL
	N-10	SWALE/CULVERT
	N-11	CONCRETE/FLAGSTONE STEPPERS
	N-12	FREESTANDING WALL
	N-13	RETAINING WALL
	N-14	LANDSCAPE BOULDER WALL
	N-15	PLANTER WALL
		L

Plan is conceptual and subject to change.



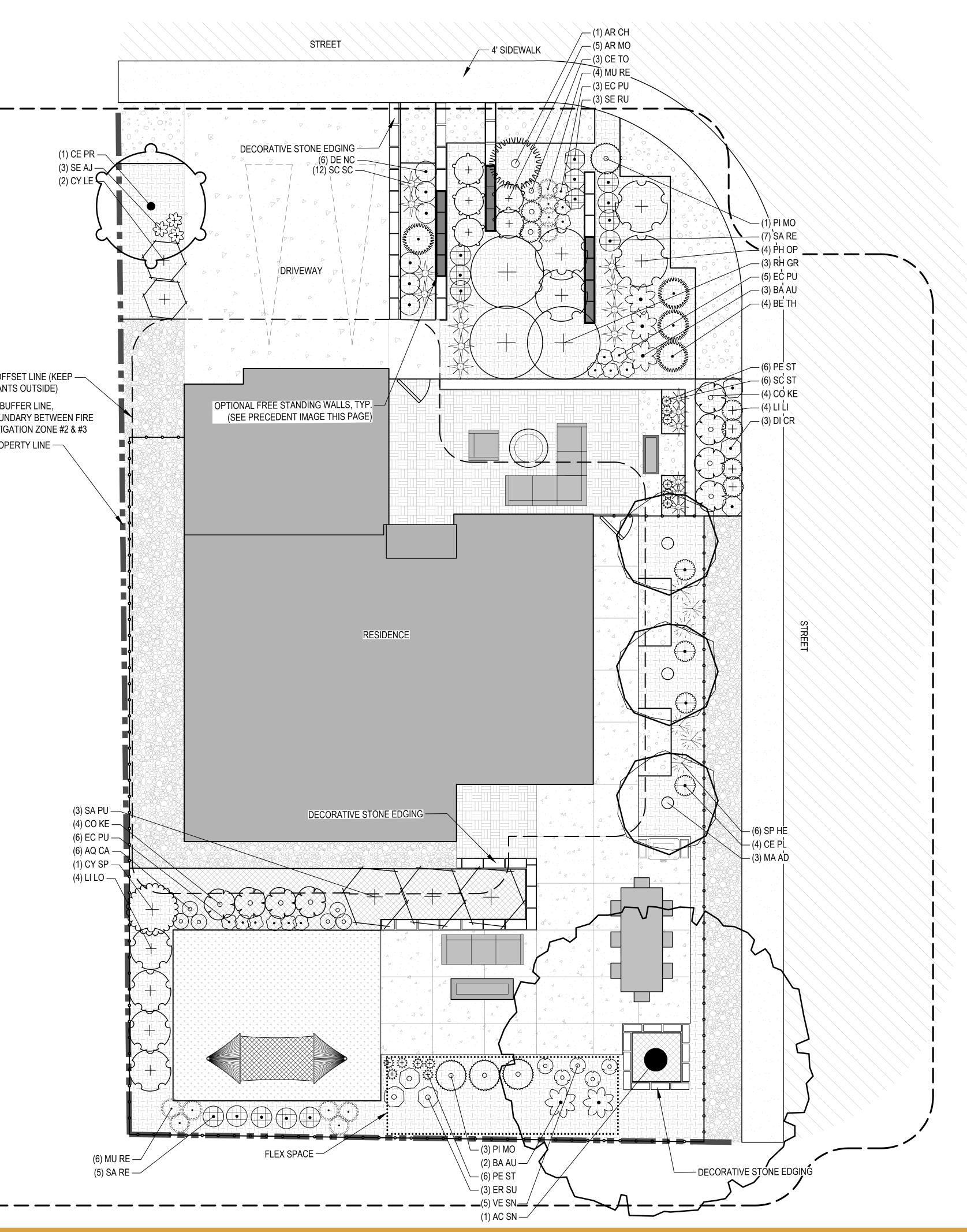
SCALE: 3/16" = 1



PLANT SCHEDULE

CODE	<u>QTY</u>	COMMON NAME	
-	US CANOP		·
AC SN	1	SENSATION BOX ELDER	
		_	
CE PR	1	PRAIRIE SENTINEL® HACKBERRY	
MA AD	3	ADIRONDACK CRABAPPLE	
DECIDUO	US SHRUBS	5	I
AR MO	5	IROQUOIS BEAUTY™ BLACK	l
BE TH	4	CHOKEBERRY DWARF RED LEAF JAPANESE BARBERRY	1
CO KE	8	KELSEYI DOGWOOD	
CY LE	2	LENA BROOM	
CY SP	1	SPANISH GOLD BROOM	1
LILO	4	LODENSE PRIVET	I
PH OP	4	DART'S GOLD NINEBARK	
RH GR	3	GRO-LOW FRAGRANT SUMAC	
SA PU	3	DWARF ARCTIC WILLOW	
EVERGRE	EN SHRUB	S	
AR CH	1	CHIEFTAIN MOCK BEARBERRY	1
		MANZANITA	I
PI MO	4	MUGO PINE	
ORNAME	NTAL GRAS	SES	
MU RE	10	UNDAUNTED MUHLY	
SC SC	12	LITTLE BLUESTEM	
SC ST	6	STANDING OVATION BLUESTEM GRASS	
SP HE	6	PRAIRIE DROPSEED	Ι
PERENNI	ALS		
AQ CA	6	ROCKY MOUNTAIN COLUMBINE	1
BA AU	5	BLUE WILD INDIGO	l
CE PL	4	DWARF PLUMBAGO	
CE TO	3	SNOW IN SUMMER	
DE NC	6	ICE PLANT	
DI CR	3	CORAL CANYON® TWINSPUR	1
EC PU	14	PURPLE CONEFLOWER	I
ER SU	3	SULPHUR FLOWER	
LI LI	4	MEADOW BLAZING-STAR	
PE ST	12	ROCKY MOUNTAIN PENSTEMON	
	12	AUTUMN SAPPHIRE™ SAGE	1
SA RE			
SE AJ	3	AUTUMN JOY SEDUM	I





LEGEND

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	ROW LINE (ROW)
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	FENCE
$-\cdots \rightarrow - \cdots \rightarrow$	SWALE/CULVERT
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	DESCRIPTION
	LANDSCAPE BOULDER
SYMBOL	DESCRIPTION
	LANDSCAPE ROCK
	CRUSHER FINES
	DECORATIVE ROCK

Plan is conceptual and subject to change.



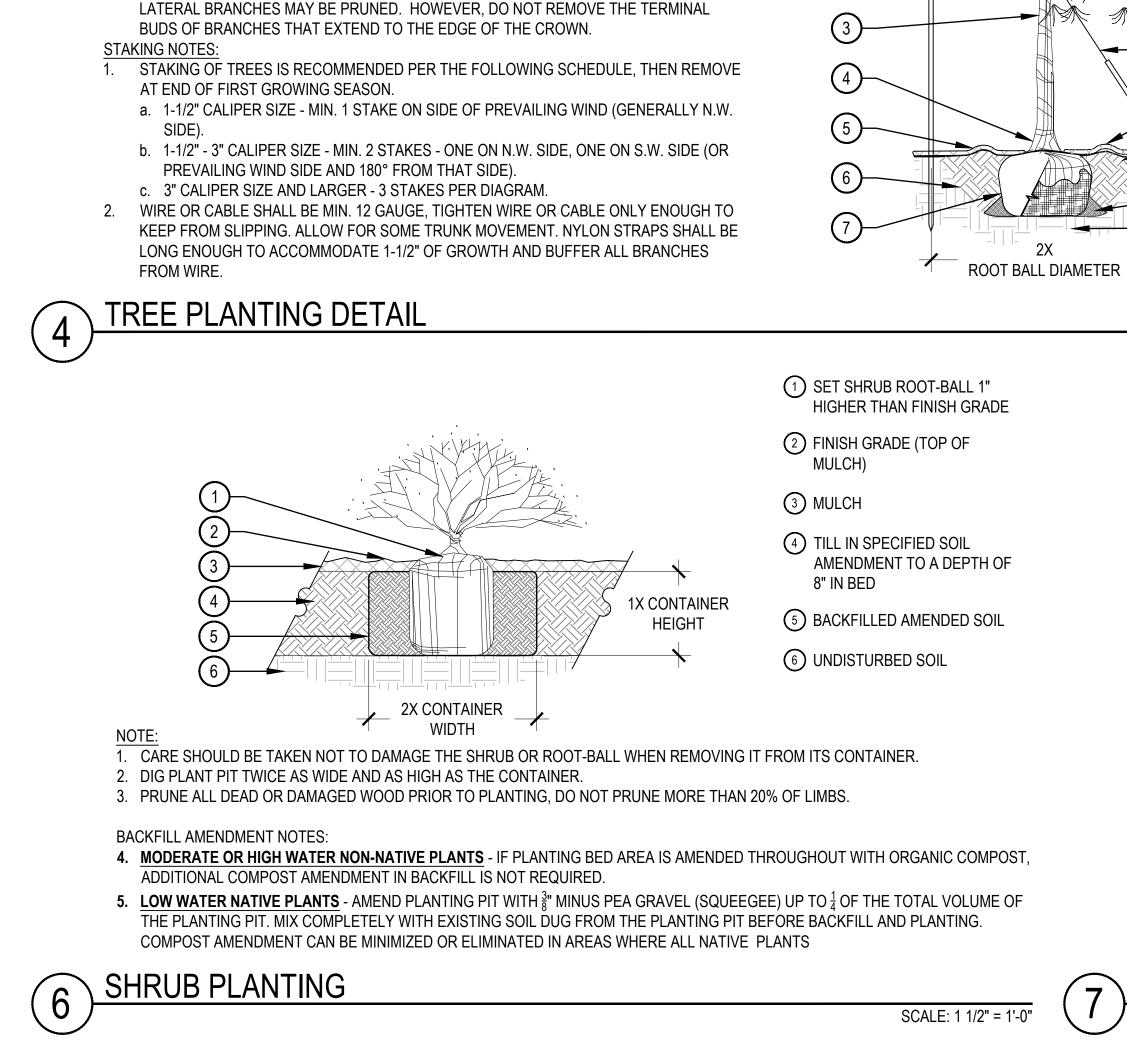
SCALE: 3/16" = 1'

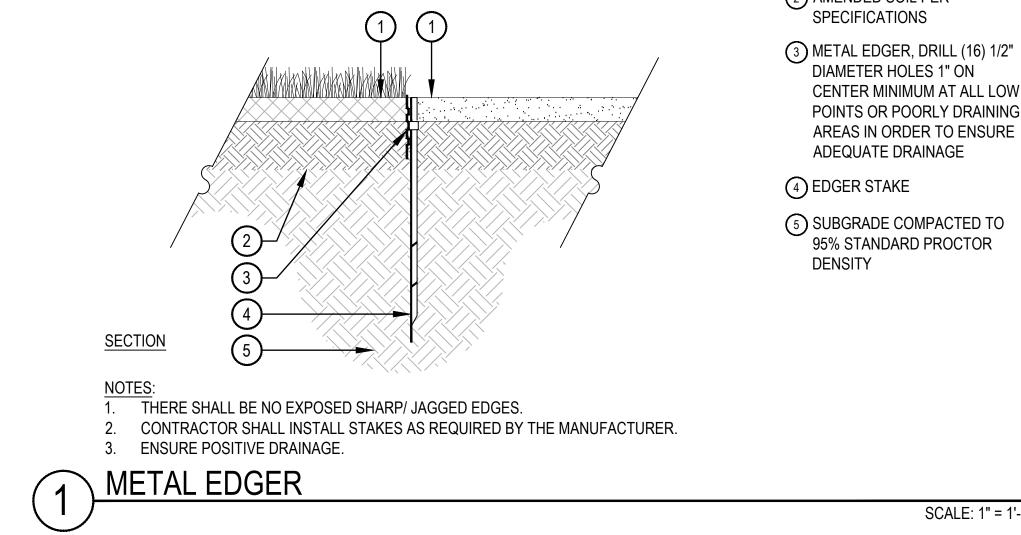


Northern Water 12/07/2023

SUSTAINABLE LANDSCAPE TEMPLATES | PLANT SCHEDULES

SCALE: 1 1/2" = 1'-0"





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LONGITUDINAL SECTION OF

EDGER AT LOW POINT

PRUNING NOTES:

ALL PRUNING SHALL COMPLY WITH ANSI A300 STANDARDS

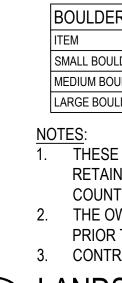
DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS,

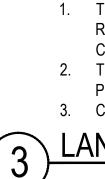
CO-DOMINANT LEADERS AND BROKEN BRANCHES. SOME INTERIOR TWIGS AND

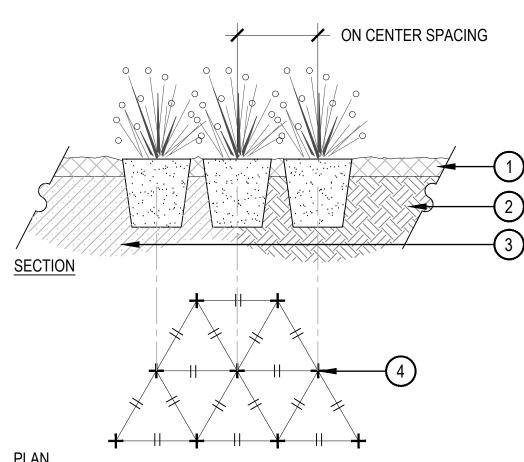
(1) FINISHED GRADE, TOP OF SOD THATCH LAYER AND TOP OF MULCH OR CRUSHER FINES SHALL BE FLUSH WITH TOP OF EDGER (2) AMENDED SOIL PER

SCALE: 1" = 1'-0"

- (1) TURFGRASS OR NATIVE GRASS SEED AREA
- (2) IRRIGATION HEADS SHOULD BE LOCATED ADJACENT TO MULCH BEDS, OFFSET HEAD INTO GRASS AREA TO ENSURE STABLE SUPPORT
- (3) PLANTING BED
- (4) VERTICAL SPADE CUT EDGE FILLED WITH SPECIFIED MULCH, TAPER EDGE OF BED SO MULCH IS DEEPER AGAINST SPADED EDGE
- (5) SPECIFIED DEPTH OF MULCH, TYPICALLY WOOD MULCH 3"-4" DEEP







<u>PLAN</u>



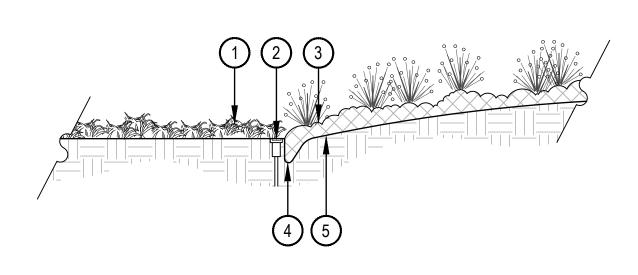


- NOTES
- SCALE: 3/16" = 1'-0" 1 ADJACENT PAVING, REFER TO
- (2) ECO-LINE, UNILOCK PERMEABLE PAVERS, REFER TO MATERIALS SCHEDULE, SHEET LS-100

HARDSCAPE PLANS

- (3) PERMEABLE JOINT OPENING AGGREGATE, ³/₁₆ INCH
- (4) 1" PERMEABLE SETTING BED AGGREGATE
- 5 6" MIN PERMEABLE BASE AGGREGATE
- 6 16" MIN PERMEABLE SUBBASE AGGREGATE
- (7) SEK SUREBOND SNAP EDGE PAVER EDGING WITH 10" METAL STAKE, OR APPROVED EQUAL
- (8) ADJACENT LANDSCAPE, REFER TO PLANS
- (9) SUBGRADE MATERIAL, MIN 5% SLOPE TO DRAIN, RE: CIVIL
- (10) PVC UNDERDRAIN PIPE

SCALE: 1" = 1'-0"



1. THIS EDGER DETAIL IS BEST FOR NATURALIZED OR INFORMAL LANDSCAPE AREAS THAT DON'T REQUIRE A HARD CLEAN EDGE AT PLANTING BEDS. SEE PLANS FOR RECOMMENDED LOCATIONS.

SPADE CUT EDGE **う**

A A

120°

120°

 (\bigcirc)

PLAN VIEW - THREE STAKES

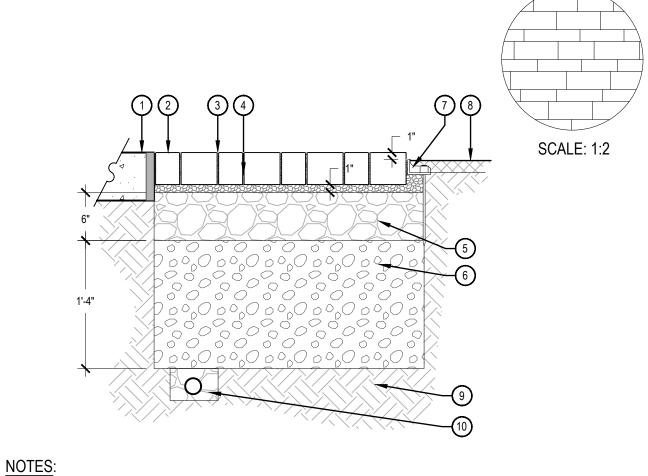
- 1 PLACE MINIMUM 1/2" PVC PIPE AROUND EACH WIRE, EXPOSED WIRE SHALL BE MAXIMUM 2" EACH SIDE
- (2) 6'-0"UNTREATED WOOD POST, MINIMUM 1.5" DIAMETER, ALL SHALL BE DRIVEN OUTSIDE ROOTBALL AND IN UNDISTURBED SOIL
- (3) TREE WRAP TO BE INSTALLED ONLY FROM OCTOBER 1 THROUGH APRIL 30, DECIDUOUS ONLY, WRAP FROM BASE OF TRUNK TO BOTTOM LIMB
- (4) PLANT TREE SO THAT TOP MOST MAJOR ROOT IS 1"-2" ABOVE FINISHED GRADE
- (5) 2'-0" RADIUS MULCH RING, CENTERED ON TRUNK, 3" DEPTH, DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK FINISHED GRADE REFERENCES TOP OF MULCH
- 6 1:1 SLOPE ON SIDES OF PLANTING HOLE
- (7) ROPES AT TOP OF ROOTBALL SHALL BE CUT, REMOVE TOP 1/3 OF BURLAP, NON-BIODEGRADABLE MATERIAL SHALL BE TOTALLY REMOVED

PAVING PATTERN

- (8) GROMMETED NYLON STRAPS
- (9) GALVANIZED WIRE, MINIMUM 12 GAUGE CABLE, TWIST WIRE ONLY TO KEEP FROM SLIPPING

SCALE: 1/2" = 1'-0"

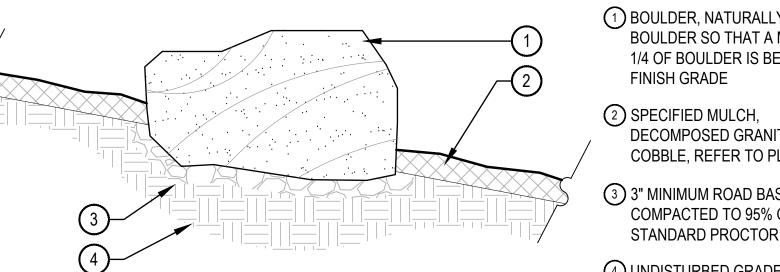
- 10 4-6" HIGH WATER SAUCER IN NON-TURF AREAS
- (11) BACKFILL WITH BLEND OF EXISTING SOIL AND A MAXIMUM 20%, BY VOLUME, ORGANIC MATERIAL, WATER THOROUGHLY WHEN BACKFILLING
- (12) 2'-0" STEEL T-POST, ALL SHALL BE DRIVEN BELOW GRADE AND OUTSIDE ROOTBALL IN UNDISTURBED SOIL
- (13) PLACE SOIL AROUND ROOT BALL FIRMLY, DO NOT COMPACT OR TAMP, SETTLE SOIL WITH WATER TO FILL ALL AIR POCKETS
- (14) PLACE ROOT BALL ON UNDISTURBED SOIL TO PREVENT SETTLEMENT



PROVIDE SMOOTH TRANSITION BETWEEN PLANK PAVING AND ADJACENT SURFACES. PROVIDE POSITIVE DRAINAGE FROM ALL PAVING SURFACES. 2.

PERMEABLE PAVING





1 BOULDER, NATURALLY SET BOULDER SO THAT A MINIMUM 1/4 OF BOULDER IS BELOW

DECOMPOSED GRANITE, OR COBBLE, REFER TO PLAN

(3) 3" MINIMUM ROAD BASE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY

(4) UNDISTURBED GRADE

LDER SIZE			
	SIZE		
BOULDER	18"-30" DIAMETER X 18" MINIMUM DEPTH		
IM BOULDER	30 - 48" DIAMETER X 24" MINIMUM DEPTH		
E BOULDER	48 - 60" DIAMETER X 32" MINIMUM DEPTH		

1. THESE ARE FREE STANDING BOULDERS ONLY. BOULDERS ASSOCIATED WITH THE BOULDER RETAINING WALLS, PARK ENTRY SIGNS AND INTERPRETIVE SIGNS ARE NOT INCLUDED IN THIS

2. THE OWNERS REPRESENTATIVE SHALL APPROVE LOCATIONS AND SIZES OF ALL BOULDERS

PRIOR TO PLACING 3. CONTRACTOR SHALL SUBMIT SAMPLE OR PHOTOS FOR APPROVAL.

LANDSCAPE BOULDER

1. WHEN SIMILAR SIZE PLANTS ARE MASSED IN GROUPS OF 3 OR MORE THE TRIANGULAR SPACING ILLUSTRATED IN PLAN VIEW IS RECOMMENDED.

PERENNIAL PLANT LAYOUT

SCALE: 3/4" = 1'-0"

(1) SPECIFIED MULCH, REFER TO LANDSCAPE NOTES SECTION

- (2) MODERATE OR HIGH WATER NON-NATIVE PLANTS AMENDED PLANTING BED TILLED TO A DEPTH OF 6" WITH: ORGANIC COMPOST AS RECOMMENDED IN THE LANDSCAPE NOTES SECTION OR AS VERIFIED WITH SOIL TESTING.
- (3) LOW WATER NATIVE PLANTS -AMEND PLANTING PIT WITH 3 MINUS PEA GRAVEL (SQUEEGEE) UP TO $\frac{1}{4}$ OF THE TOTAL VOLUME OF THE PLANTING PIT. MIX COMPLETELY WITH EXISTING SOIL DUG FROM THE PLANTING PIT. COMPOST AMENDMENT CAN BE MINIMIZED OR ELIMINATED IN AREAS WHERE ALL NATIVE PLANTS ARE USED.

(4) CENTER OF PLANT

(1) 5"-12" COBBLE, SET ON EDGE OF SWALE AS WELL AS IN A FEW INTERIOR AREAS TO CREATE A LOOSE, NATURALISTIC BORDER AS SHOWN

SCALE: 1" = 1'-0"

- (2) 2"-4" COBBLE, SET IN INTERIOR AREAS OF SWALE, 4"-5" DEPTH
- (3) ADJACENT LANDSCAPE, REFER TO LANDSCAPE PLANS
- (4) BOULDERS SET IN AND AROUND SWALE, REFER TO DETAIL X, SHEET L-XXX
- 5 DO NOT IMPEDE FLOW AT BOTTOM OF SWALE

SCALE: 1/4" = 1'-0"

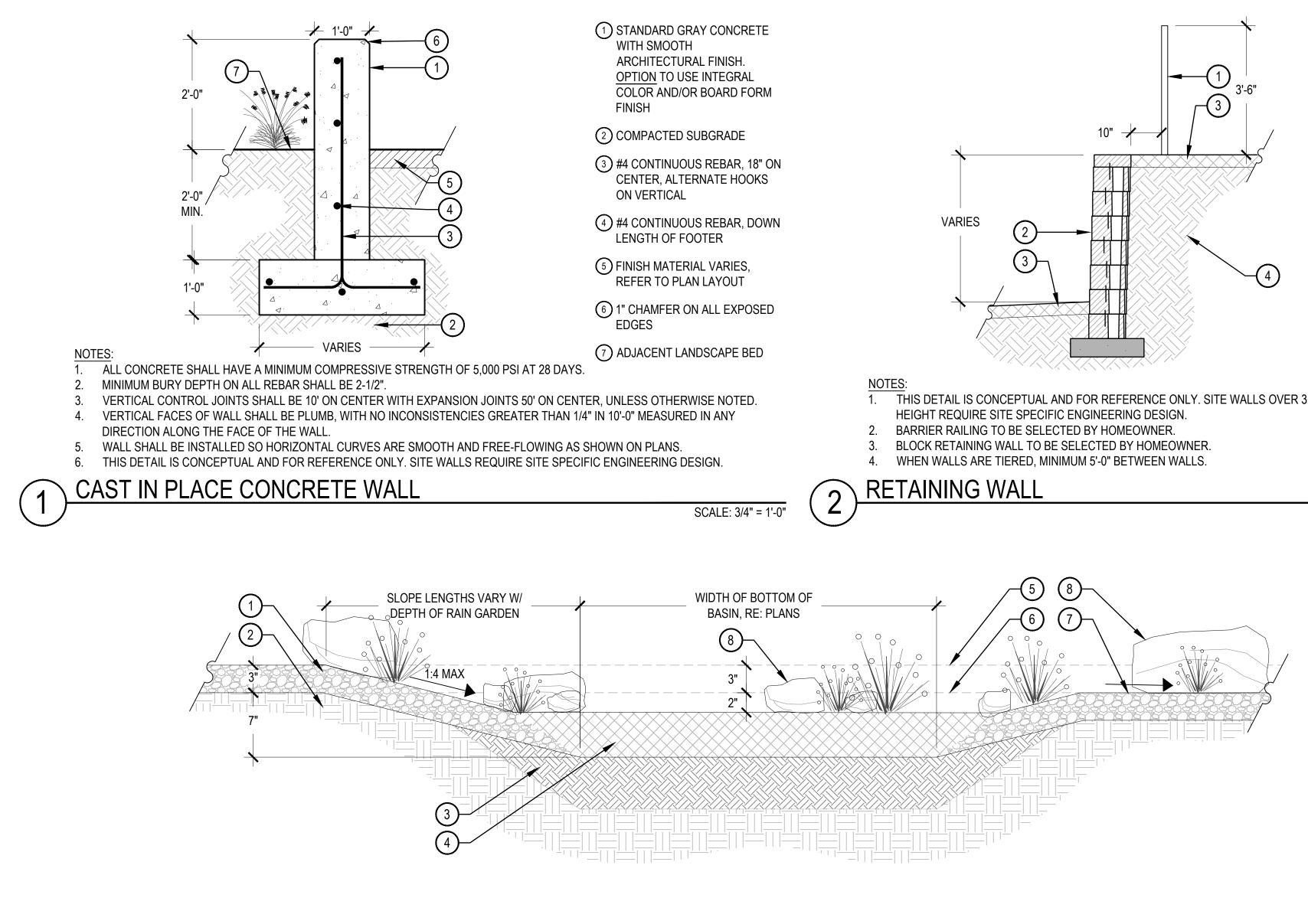
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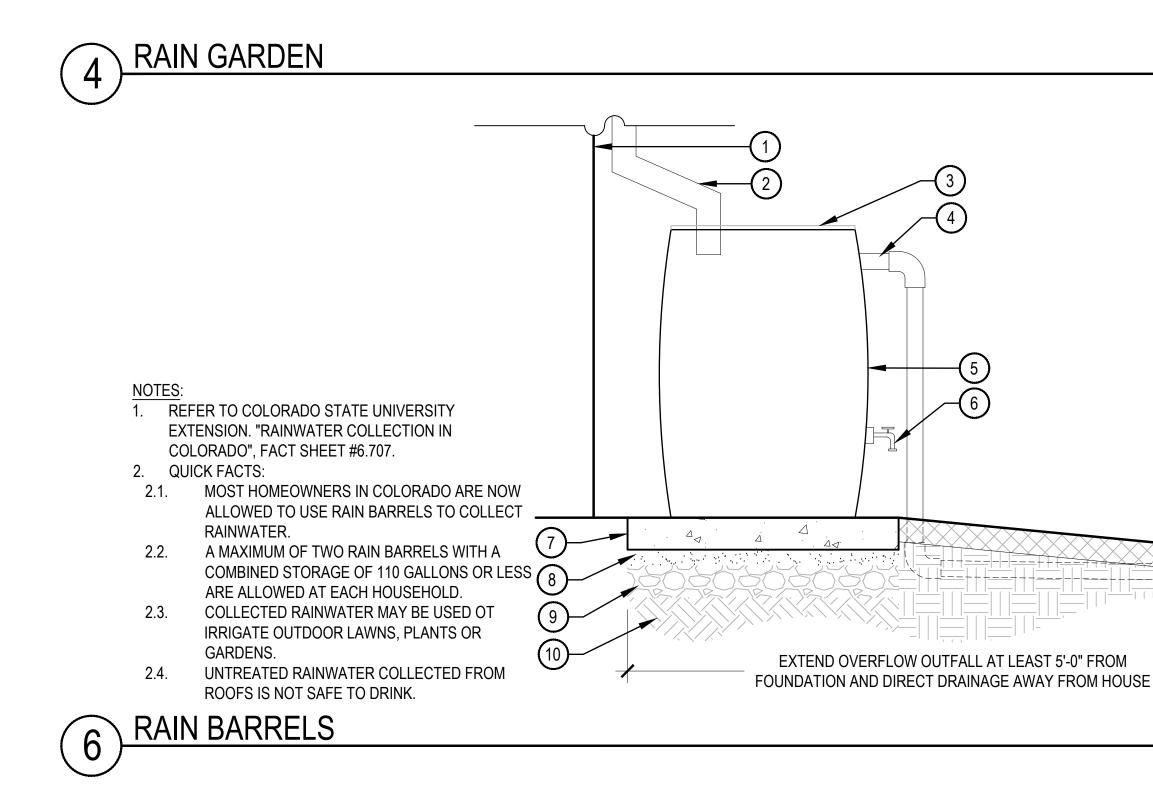


COBBLE SWALE

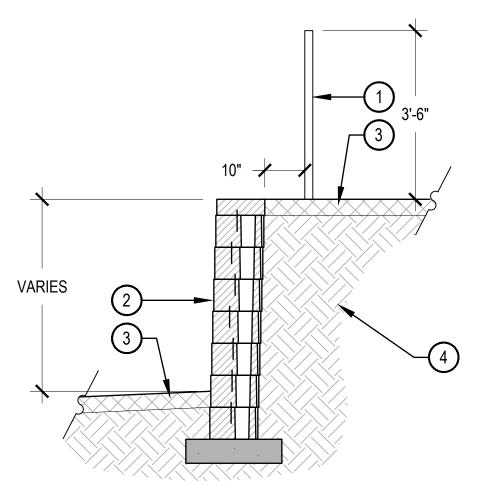
2. SPECIFIED WEED BARRIER FABRIC SHALL BE INSTALLED UNDER ALL COBBLE. NO WEED BARRIER FABRIC SHALL BE VISIBLE.

THERE SHALL BE NO STEEL EDGER BETWEEN COBBLE SWALE AND LANDSCAPE BED.





SUSTAINABLE LANDSCAPE TEMPLATES | LANDSCAPE DETAILS Northern Water 12/07/2023



- 1) BARRIER RAILING.MOUNT IN LANDSCAPE. TO BE INSTALLED WHEN RETAINING WALL IS 29" OR TALLER
- (2) BLOCK RETAINING WALL
- (3) ADJACENT LANDSCAPE
- 4 SUBGRADE COMPACTED PER MANUFACTURER'S SPECIFICATIONS



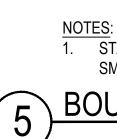
- THIS DETAIL IS CONCEPTUAL AND FOR REFERENCE ONLY. SITE WALLS OVER 3 FEET IN

1 RIVER ROCK

(2) UNDISTURBED SUBGRADE

SCALE: 1/2" = 1'-0"

- (3) AMENDED TOPSOIL
- (4) PEA GRAVEL MULCH
- 5 TOP ELEVATION OF BERM AROUND RAIN GARDEN. 3" ABOVE MAX PONDING LEVEL
- 6 ELEVATION OF MAX PONDING DURING STORM EVENT. PONDING 2" OF RAINWATER ABOVE PEA GRAVEL
- (7) OVERFLOW PATH AWAY FROM HOME
- (8) LANDSCAPE BOULDERS PER PLAN LAYOUT
- (9) A MIX OF 3"-10" COBBLE, SET ALONG EDGE OF RAIN GARDEN BASIN AS WELL AS IN A FEW INTERIOR AREAS TO CREATE A LOOSE, NATURALISTIC LOOK



30" MAXIMUM

HEIGHT

3

- SCALE: 1 1/2" = 1'-0"
- 5 RAIN BARREL TANK (UP TO TWO 55-GALLON BARRELS ALLOWED)
- 6 HOSE BIB, BALL VALVE
- PLATFORM, CIDER BLOCKS, BRICKS, OR POUR IN PLACE CONCRETE
- 8 PEA GRAVEL

1 RESIDENCE BUILDING

③ INLET WITH SCREEN

FILL RATE)

4 OVERFLOW DRAINAGE PIPE,

SECTIONS (SIZE PIPE TO

SLOPED 2% FOR HORIZONTAL

ACCOMMODATE RAIN WATER

2 DOWNSPOUT

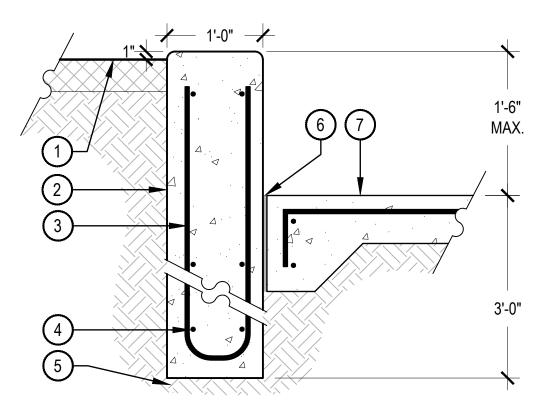
- 9 4" ROCK MULCH
- (10) COMPACTED SUBGRADE
- (11) OVERFLOW TO OUTLET AT THE COBBLE SWALE (SEE TEMPLATE #4 PLAN)
- (12) SPECIFIED MULCH OR COBBLE, SEE PLANS
- (13) UNDISTURBED SOIL
- (14) SURROUNDING GRADE, BEHIND

SCALE: 1" = 1'-0"

(11)

(12)-

(13)-



1. THIS DETAIL IS CONCEPTUAL AND FOR REFERENCE ONLY. SITE WALLS REQUIRE SITE SPECIFIC ENGINEERING DESIGN.

ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS. (7) SURROUNDING HARDSCAPE, MINIMUM BURY DEPTH ON ALL REBAR SHALL BE 2-1/2".

4. VERTICAL CONTROL JOINTS SHALL BE 10' ON CENTER WITH EXPANSION JOINTS 50' ON CENTER, UNLESS OTHERWISE NOTED.

5. VERTICAL FACES OF WALL SHALL BE PLUMB, WITH NO INCONSISTENCIES GREATER THAN 1/4" IN 10'-0" MEASURED IN ANY DIRECTION ALONG THE FACE OF THE WALL.

6. SEATWALL SHALL BE INSTALLED SO HORIZONTAL CURVES ARE SMOOTH AND FREE-FLOWING AS SHOWN ON PLANS.

CONCRETE PLANTER SEATWALL



- (2) CONCRETE SEATWALL, 1" RADIUS ON ALL EXPOSED CORNERS, SMOOTH ARCHITECTURAL FINISH
- (3) #4 REBAR, 24" ON CENTER SPACED FOR LENGTH OF WALL
- (4) (3) #4 REBAR SPACED EQUALLY ON EACH SIDE OF THE WALL, CONTINUOUS ALONG THE LENGTH OF THE WALL, **OVERLAP 12" AT SPLICES**
- (5) SUBGRADE COMPACTED TO 95% STANDARD PROCTOR DENSITY

6 EXPANSION JOINT

REFER TO PLAN LAYOUT

(1) AMENDED SOIL, REFER TO LANDSCAPE PLANS

SCALE: 1" = 1'-0"

- (2) MOSS ROCK BOULDERS OR SIMILAR
- (3) COMPACTED CLASS 6 GRAVEL TO PROVIDE STABILITY, COMPACT IN 6" MAXIMUM LIFTS
- (4) UNDISTURBED SOIL
- (5) BURY TWO-THIRDS OF BASE COURSE FOR STABLE FOUNDATION

1. STACK BOULDERS WITH 2:1 BATTER AND LEAN TO UPHILL SIDE, BOULDERS SHOULD BE NO SMALLER THAN 18"X18"X18".

6" MIN

BOULDER RETAINING WALL

SCALE: 1" = 1'-0"

Plan is conceptual and subject to change

