

DWG: S:\olsson\westminster.big dry creek\2 DESIGN\5 CAD\sheet files\BDC_Planting_Details.dwg
 DATE: Feb 28, 2024 12:49pm
 USER: Derek
 xx\PLANT\Cottonwood Pole
 xx\PLANT\Cottonwood Deep
 xx\PLANT\Evergreen
 xx\PLANT\Plug
 xx\PLANT\Shrub Planting
 xx\PLANT\Deciduous
 xx\PLANT\Willow Stake
 xx\SX

PLANTING NOTES - PHASE 2

PLANTING NOTES:

- CONTRACTOR SHALL EVALUATE EXISTING PLANT MATERIAL DESIGNATED FOR REMOVAL WITH OWNER'S REPRESENTATIVE. FOLLOWING REVIEW, THE CONTRACTOR SHALL TRANSPLANT ANY PLANT MATERIAL IDENTIFIED AS WORTHY. IF TRANSPLANT CANNOT BE ACCOMPLISHED IN A TIMELY FASHION, CONTRACTOR SHALL APPROPRIATELY STORE THE PLANT MATERIAL AND TRANSPLANT AT A TIME TO BE DETERMINED BY THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL PROVIDE THESE SERVICES AT NO ADDITIONAL COST TO OWNER.
 - THE CONTRACTOR SHALL SUPPLY ALL PLANTS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE PLAN. SHOULD ANY DISCREPANCIES EXIST BETWEEN QUANTITIES SHOWN IN THE PLANT LIST AND THOSE SHOWN IN THE DRAWINGS, THE DRAWINGS SHALL TAKE PRECEDENCE.
 - ALL PLANT MATERIAL SHALL BE REVIEWED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. CONTRACTOR SHALL ENSURE PLANT MATERIAL MEET THE SPECIFICATIONS OF THE AMERICAN STANDARDS FOR NURSERY STOCK (LATEST EDITION) AS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
 - CONTRACTOR SHALL FURNISH PLANT MATERIALS FREE OF PESTS
- OR PLANT DISEASES. PRESELECTED OR "TAGGED" MATERIAL MUST BE INSPECTED BY THE CONTRACTOR AND CERTIFIED PEST AND DISEASE FREE. IT IS THE CONTRACTOR'S OBLIGATION TO WARRANT ALL PLANT MATERIALS PER THE SPECIFICATIONS.
- CONTRACTOR SHALL STAKE PLANT LOCATIONS FOR THE REVIEW BY THE OWNER'S REPRESENTATIVE. PRIOR TO DIGGING PLANTING PITS. THE CONTRACTOR SHALL RELOCATE ANY PLANT AS DIRECTED BY THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING AT NO ADDITIONAL COST TO THE OWNER.
 - CONTRACTOR SHALL SEED AND MULCH AREAS NOTED WITHIN THE CONSTRUCTION LIMITS. ANY LANDSCAPE AREAS OUTSIDE OF LIMITS DISTURBED BY CONSTRUCTION OPERATIONS, NOT DIRECTED BY OWNER'S REPRESENTATIVE, SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL CONFINE ALL OPERATIONS TO THE CONSTRUCTION LIMITS SHOWN. THE CONTRACTOR WILL STAKE THE SEEDING LIMITS AND OBTAIN REVIEW FROM THE OWNER'S REPRESENTATIVE PRIOR TO SEEDING.
 - CONTAMINATION OF PLANTING MIX/TOPSOIL TO REMAIN DURING CONSTRUCTION WILL REQUIRE COMPLETE REPLACEMENT AT CONTRACTOR'S EXPENSE.
 - ALL COTTONWOOD POLES AND B&B TREES SHALL BE DEEP

- PLANTED. REFER TO DEEP BURY DECIDUOUS TREE PLANTING DETAIL.
- ALL TREES PLANTED AFTER EROSION CONTROL BLANKET IS PLACED SHALL WEDGE-STAKE THE EROSION CONTROL BLANKET BACK IN PLACE. EROSION CONTROL BLANKET TO BE CUT IN THE FORM OF AN "X" ON CENTER OF PLANTING LOCATION.
 - ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SEEDED. AREAS WILL REQUIRE AN APPROPRIATE LEVEL OF SOIL AMENDMENT AND MULCH FOR THE UPLAND SEED TO GERMINATE. CONTRACTOR WILL WORK WITH THE LANDSCAPE ARCHITECT TO DETERMINE APPROPRIATE LEVELS OF AMENDMENT AND MULCHING.
 - ALL AREAS CONTAINING PLUGS SHALL ALSO BE SEEDED WITH THE APPROPRIATE SEED MIX.
 - ANY AREAS WHERE TWO SEED MIXES ARE ADJACENT TO EACH OTHER SHALL OVERLAP THE SEED MIXES BY A MINIMUM OF FIVE FEET IN EITHER DIRECTION, FOR A TOTAL OF A TEN FOOT OVERLAP BETWEEN THE SEED MIXES.
 - ALL TREES AND LIMITS OF WETLAND PLUGS SHALL BE FIELD STAKED FOR OWNER'S REPRESENTATIVE'S APPROVAL PRIOR TO PLANTING.

- RIPARIAN AND UPLAND SEEDING AREA SOIL PREPARATION REQUIREMENTS: ALL AREAS INDICATED TO BE SEEDED WITH RIPARIAN/UPLAND SEED SHALL BE RIPPED TO A MINIMUM DEPTH OF 12 INCHES, AND SHALL RECEIVE SOIL PREPARATION THAT INCLUDES THE FOLLOWING SOIL CONDITIONERS:
 - MYCORRHIZAL SEED INOCULANT - REFER TO SPECIFICATIONS.
 - SLOW RELEASE ORGANIC FERTILIZER - REFER TO SPECIFICATIONS.
 - HUMATE - REFER TO SPECIFICATIONS.
- WETLAND SEEDING AREA SOIL PREPARATION REQUIREMENTS: ALL AREAS INDICATED TO BE SEEDED WITH WETLAND SEED SHALL BE RIPPED TO A MINIMUM DEPTH OF 12 INCHES. NO SOIL CONDITIONERS SHALL BE PROVIDED FOR WETLAND SEED AREAS.
- SEEDED AREAS NOT RECEIVING EROSION CONTROL BLANKET SHALL RECEIVE CRIMPED STRAW MULCH OR HYDROMULCH (SEE SPECIFICATIONS).

PLUG NOTES:

- PLANT PLUGS IN SINGLE SPECIES GROUPINGS OF 10-25.
- BULRUSH SHALL BE PLANTED IN THE WETTEST PORTIONS OF THE WETLAND PLUG ZONES (CLOSEST TO STREAM CHANNEL).

WATERING NOTES:

- DURING SUMMER MONTHS ALL TREES AND POLES SHALL BE INSPECTED EVERY 2-3 WEEKS FOR DRY SOIL. IF WATERING IS NECESSARY, THEN 15 GALLONS SHALL BE USED TO DEEPLY WATER AROUND THE ROOTBALL.

TREE REMOVAL AND TRANSPLANTING NOTES:

- CONTRACTOR WILL ENGAGE THE CITY'S FORESTER TO AGREE UPON AND TAG TREES FOR REMOVAL AND TRANSPLANT.
- CITY FORESTER AND/OR THE LANDSCAPE ARCHITECT WILL ACCOMPANY THE CONTRACTOR TO SELECT AND TAG TREES FOR PURCHASE.
- CITY FORESTER AND/OR THE LANDSCAPE ARCHITECT HAVE THE RIGHT TO REJECT ANY OR ALL VEGETATION UPON DELIVERY AT THE CONTRACTOR'S EXPENSE.
- TREES MUST BE FENCED OR APPROPRIATELY PROTECTED AGAINST BEAVER DAMAGE.

PLANTING SCHEDULE - PLANTING PHASE 2 - SHRUBS

SHRUB GROUP 1 - UPLAND					
ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	QUANTITY
ARTR	<i>Artemisia tridentata</i>	TALL WESTERN SAGE	60 ci	6'	2
ATCA	<i>Atriplex canescens</i>	FOURWING SALT BUSH	60 ci	4-6'	185
ROAR	<i>Rosa arkansana</i>	WILD PRAIRIE ROSE	60 ci	5-7'	200
YUGL	<i>Yucca glauca</i>	PLAINS YUCCA	5 GAL.	4-8'	191
TOTAL					576

SHRUB GROUP 2 - UPLAND					
ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	QUANTITY
ARFR	<i>Artemisia frigida</i>	FRINGED SAGE	60 ci	3-6'	124
CHMI	<i>Chamaebatia filifolium</i>	FERNBUSH	60 ci	4-6'	8
ERNA	<i>Ericameria nauseosa</i>	RABBIT BRUSH	60 ci	3-8'	208
KRLA	<i>Krascheninnikovia lanata</i>	WINTER FAT	60 ci	3-8'	105
RICE	<i>Ribes cereum</i>	WAX CURRANT	60 ci	4-6'	81
TOTAL					518

SHRUB GROUP 3 - UPLAND TRAILSIDE					
ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	QUANTITY
AMCA	<i>Amorpha canescens</i>	LEADPLANT	60 ci	3'	9
ARFR	<i>Artemisia frigida</i>	FRINGED SAGE	60 ci	3'	28
FAPA	<i>Fallugia paradoxa</i>	APACHE PLUME	60 ci	4'	11
PRBE	<i>Prunus besseyi</i>	WESTERN SANDCHERRY	60 ci	4'	44
RHTR	<i>Rhus trilobata</i>	SKUNKBUSH	60 ci	4'	47
TOTAL					130

SHRUB GROUP 4 - UPLAND TRAILSIDE					
ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	QUANTITY
JAMM	<i>Jamesia americana</i>	WAXFLOWER	60 ci	3'	36
MAAQ	<i>Mahonia aquifolium</i>	OREGON GRAPE HOLLY	60 ci	3'	44
PRBE	<i>Prunus besseyi</i>	WESTERN SANDCHERRY	60 ci	3'	25
RUPA	<i>Rubus parviflorus</i>	WESTERN THIMBLEBERRY	60 ci	3'	3
TOTAL					108

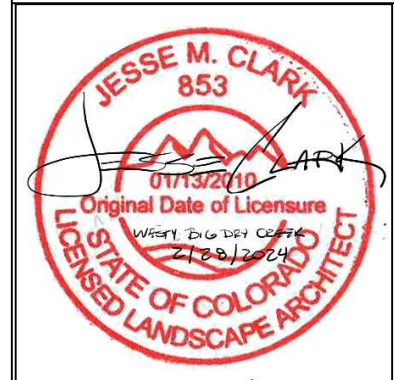
SHRUB GROUP 5 - RIPARIAN					
ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	QUANTITY
AMAL	<i>Amelanchier alnifolia</i>	SASKATOON SERVICEBERRY	60 ci	6-8'	129
COSE	<i>Cornus sericea</i>	REDOSIER DOGWOOD	60 ci	6-8'	198
CRER	<i>Crataegus erythropoda</i>	CERRO HAWTHORN	60 ci	4-6'	6
PHMO	<i>Physocarpus monogynus</i>	NATIVE NINEBARK	60 ci	4-6'	162
SYAL	<i>Symphoricarpos albus</i>	COMMON SNOWBERRY	60 ci	4-6'	168
TOTAL					663

SHRUB GROUP 6 - RIPARIAN					
ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	QUANTITY
FRV	<i>Fragaria virginiana</i>	WILD STRAWBERRY	60 ci	6-8'	66
PRAM	<i>Prunus americana</i>	AMERICAN PLUM	60 ci	6-8'	129
RIAU	<i>Ribes aureum</i>	GOLDEN CURRANT	60 ci	4-6'	109
ROWO	<i>Rosa woodsii</i>	WOODS' ROSE	60 ci	4-6'	102
SYCH	<i>Symphoricarpos x chenautilii</i> 'Hancock'	HANCOCK CORALBERRY	60 ci	4-6'	2
TOTAL					342

PLUG GROUP 5 - UPLAND POLLINATOR A							
ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	PERCENT MIX	COUNT	
AM	<i>Amorpha canescens</i>	LEADPLANT	60 ci	24"	15	233	
BE	<i>Berlandiera lyrata</i>	CHOCOLATE FLOWER	60 ci	24"	20	311	
ER	<i>Erigeron speciosus</i>	SHOWY FLEABANE	60 ci	24"	25	389	
GA	<i>Gaillardia aristata</i>	NATIVE BLANKET FLOWER	60 ci	24"	25	389	
SO	<i>Sorghastrum nutans</i>	INDIAN GRASS	60 ci	24"	15	233	
TOTAL						100	1,555

PLUG GROUP 6 - UPLAND POLLINATOR B							
ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	PERCENT MIX	COUNT	
AC	<i>Achillea millefolium</i>	YARROW	60 ci	24"	15	294	
EC	<i>Echinacea angustifolia</i>	NARROW-LEAVED PURPLE CONEFLOWER	60 ci	24"	20	392	
FP	<i>Fallugia paradoxa</i>	APACHE PLUME	60 ci	24"	10	196	
LI	<i>Liatris spicata</i>	GAYFEATHER	60 ci	24"	15	294	
RA	<i>Ratibida columnifera</i>	UPRIGHT PRAIRIE CONEFLOWER	60 ci	24"	20	392	
SH	<i>Scutellaria resinosa</i> 'Smoky Hills'	SMOKY HILLS SKULLCAP	60 ci	24"	20	392	
TOTAL						100	1,961

PLUG GROUP 7 - UPLAND POLLINATOR C							
ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	PERCENT MIX	COUNT	
BG	<i>Bouteloua gracilis</i>	BLUE GRAMA GRASS	60 ci	24"	15	303	
LL	<i>Linum lewisii</i>	BLUE FLAX	60 ci	24"	15	303	
MF	<i>Monarda fistulosa</i>	NATIVE LAVENDER BEE BALM	60 ci	24"	20	404	
PP	<i>Penstemon strictus</i>	ROCKY MOUNTAIN PENSTEMON	60 ci	24"	30	606	
RU	<i>Rudbeckia fulgida</i> 'Goldsturm'	BLACK EYED SUSAN	60 ci	24"	20	404	
TOTAL						100	2,019



OLSSON ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS (HORIZONTAL OR VERTICAL). THE EXISTING UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS HOWEVER THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.

REV. NO.	DATE	REVISIONS DESCRIPTION

PLANTING NOTES & SCHEDULE PHASE 1
 BIG DRY CREEK CORRIDOR IMPROVEMENTS
 DOWNSTREAM OF 104TH AVENUE
 ISSUE FOR CONSTRUCTION
 WESTMINSTER, COLORADO
 2024

drawn by: _____ DJS/VS
 checked by: _____ NP/LJC
 approved by: _____ JC
 QA/QC by: _____ GP
 project no.: 020-2379
 drawing no.: _____
 date: 01.2024