PLANTING NOTES - PHASE 1

PLANTING NOTES:

1. 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.
2. 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.
3. 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.
4. 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 WARRANTY ALL PLANT MATERIALS PER THE SPECIFICATIONS.
5. 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.
6. 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.
7. CONTAMINATION OF PLANTING MIX/TOPSOIL TO REMAIN DURING CONSTRUCTION WILL REQUIRE COMPLETE REPLACEMENT AT CONTRACTOR'S EXPENSE.
8. ALL COTTONWOOD POLES AND B&B TREES SHALL BE DEEP PLANTED. REFER TO DEEP BURY DECIDUOUS TREE PLANTING DETAIL.
9. 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.
10. 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.
11. ALL AREAS CONTAINING PLUGS SHALL ALSO BE SEEDED WITH THE APPROPRIATE SEED MIX.
12. 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.
13. ALL TREES AND LIMITS OF WETLAND PLUGS SHALL BE FIELD STAKED FOR OWNER'S REPRESENTATIVE'S APPROVAL PRIOR TO PLANTING.
14. 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:
    - 14.1. MYCORRHIZAL SEED INOCULANT - REFER TO SPECIFICATIONS.
    - 14.2. SLOW RELEASE ORGANIC FERTILIZER - REFER TO SPECIFICATIONS.
    - 14.3. HUMATE - REFER TO SPECIFICATIONS.
15. 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.
16. SEEDED AREAS NOT RECEIVING EROSION CONTROL BLANKET SHALL RECEIVE CRIMPED STRAW MULCH OR HYDROMULCH (SEE SPECIFICATIONS).

PLUG NOTES:

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

WATERING NOTES:

1. 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:

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

PLANTING SCHEDULE - PLANTING PHASE 1 - PLUGS, TREES, AND STAKES

PLUG GROUP 1 - WETLAND INSIDE BANK

ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	PERCENT MIX	COUNT
CN	*Carex nebrascensis*	NEBRASKA SEDGE	10 ci	24"	20	2,023
CP	*Carex pellita*	WOOLLY SEDGE	10 ci	24"	30	3,035
EP	*Eleocharis palustris*	CREEPING SPIKERUSH	10 ci	24"	30	3,035
JA	*Juncus arcticus ssp. Littoralis*	MOUNTAIN RUSH	10 ci	24"	20	2,023
				TOTAL	100	10,115

PLUG GROUP 2 - WETLAND OUTSIDE BANK

ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	PERCENT MIX	COUNT
CP	*Carex pellita*	WOOLLY SEDGE	10 ci	24"	45	1,874
SP	*Spartina pectinata*	PRAIRIE CORDGRASS	10 ci	24"	55	2,291
				TOTAL	100	4,165

PLUG GROUP 3 - WATER QUALITY

ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	PERCENT MIX	COUNT
BM	*Bolboschoenus maritimus*	ALKALI BULRUSH	10 ci	24"	25	628
DS	*Distichilis spicata*	INLAND SALT GRASS	10 ci	24"	20	502
CR	*Carex praegracilis*	CLUSTERED FIELD SEDGE	10 ci	24"	25	628
JT	*Juncus torreyi*	TORREY RUSH	10 ci	24"	30	754
				TOTAL	100	2,512

PLUG GROUP 4 - OVERBANK CHANNEL AND OXBOWS

ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	PERCENT MIX	COUNT
AC	*Allium cernuum*	NODDING WILD ONION	10 ci	24"	20	487
CE	*Carex emoryi*	EMORY SEDGE	10 ci	24"	25	609
GS	*Glyceria striata*	FOWL MANNAGRASS	10 ci	24"	30	731
SP	*Spartina pectinata*	PRAIRIE CORDGRASS	10 ci	24"	25	609
				TOTAL	100	2,436

TREES - DECIDUOUS

ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	QUANTITY
AMGR	*Amelanchier x grandiflora*	AUTUMN BRILLIANCE' SERVICEBERRY	6' CLUMP	PER PLAN	2
CEOC	*Celtis occidentalis*	WESTERN HACKBERRY	2" CALIPER B&B	PER PLAN	90
POAN	*Populus angustifolia*	NARROWLEAF COTTONWOOD	2" CALIPER B&B	PER PLAN	17
PODE	*Populus deltoides*	PLAINS COTTONWOOD	2" CALIPER B&B	PER PLAN	33
POPL	*Populus deltoides*	PLAINS COTTONWOOD	POLE	PER PLAN	125
PRVI	*Prunus virginiana*	CHOKECHERRY	6' CLUMP	PER PLAN	80
SAAM	*Salix amygdaloides*	PEACHLEAF WILLOW	6' CLUMP	PER PLAN	78
			TOTAL		425

TREES - EVERGREEN

ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	QUANTITY
JSCO	*Juniperus scopulorum*	ROCKY MOUNTAIN JUNIPER	6' HEIGHT	PER PLAN	2
PPON	*Pinus ponderosa*	PONDEROSA PINE	6' HEIGHT	PER PLAN	3
			TOTAL		5

WILLOW STAKES

ABBV.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	QUANTITY
SAEX	*Salix exigua*	COYOTE WILLOW	LIVESTAKE	36"	1080
			TOTAL		1080

eTRACKIT PERMIT #ENG_____

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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.

REVISIONS

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: DU/SV
checked by: NP/JC
approved by: JC
QA/QC by: GP
project no.: 020-2379
drawing no.:
date: 01.2024

SHEET
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DWG: S:\olsson.westminster.big dry creek\2 DESIGN\5 CAD\sheet files\BDC_Planting Details.dwg USER: Derek
DATE: Feb 28, 2024 12:39pm XREFS: xx.PLANT.Beaver Protection xx.PLANT.Cottonwood Deep xx.PLANT.Cottonwood Pole xx.PLANT.Evergreen xx.PLANT.Plug xx.PLANT.Shrub Planting xx.PLANT-Deciduous xx.PLANT.Willow Stake xx.SEC