RECLAIMED USES

TYPE OF USE	ACREAGE
UNDISTURBED AREAS (EXISTING WETLANDS, RIVER SETBACK AND RIGHT-OF-WAY)	64.0± AC.
MINING AREA RECLAIMED TO UPLAND	10.3± AC.
MINING AREA RECLAIMED TO OPEN WATER POND	103.6± AC.
MINING AREA RECLAIMED TO OPEN WATER POND OR SEALED WATER STORAGE RESERVOIR	35.1± AC.
MINING AREA RECLAIMED TO WETLAND	87.6± AC.
DISTURBED BUT NOT MINED LAND RECLAIMED TO UPLAND (TO BE SEEDED TO UPLAND DRYLAND GRASS)	105.1± AC.
TOTAL	405.7± AC.

UPLAND VEGETATION:

COMMON NAME	SCIENTIFIC NAME	VARIETY	%	PLS (LBS/AC)
Use Western Native Seed's	High Plains/Foothills Meadow Mix			
Western Wheatgrass	Pascopyrum gracilis		20	WNS
Sideoats Grama	Bouteloua curtipendla	Butte	20	WNS
Big Bluestem	Andropogon gerardii		6	WNS
Blue Grama	Bouteloua curtipendula		25	WNS
Indian Grass	Sorghastrum nuntans		6	WNS
Switchgrass	Panicum virgatum	Pathfinder	6	WNS
Sand dropseed	Sporobolus cryptandrus		2	WNS
Little Bluestem	Schizachyrium scopularium		5	WNS
Buffalo Grass	Buchloe dactyloides		5	WNS
Green Needle Grass	Stipa veridata		4	WNS
Mountain Muhly	Muhlenbergia montana		1	WNS
Total lbs/ac			100%	11.8

WETLAND VEGETATION:

THREE SOURCES OF WETLAND VEGETATION ENSURE THE ESTABLISHMENT OF A DIVERSE AND SELF-SUSTAINING WETLAND PLANT COMMUNITY AT THE RIVERVIEW BANK. SUBJECT TO SITE CONDITIONS AND AVAILABILITY, AFTER BASINS HAVE BEEN BACKFILLED AND GRADED THEY WILL BE SEEDED USING THE "FOOTHILLS WETLAND SEED MIX" PREPARED BY WESTERN NATIVE SEED COMPANY (SEE TABLE 1) OR SIMILAR PREPARED WETLAND SEED MIX NATIVE TO THE REGION AND LIFE ZONE. IN ADDITION, COLONIZATION FROM NEARBY EXISTING WETLAND PLANT COMMUNITIES AND VOLUNTEER PLANT GROWTH IS PROPOSED TO ENSURE THE PROPAGATION OF WETLAND VEGETATION THAT IS GENETICALLY BEST SUITED TO THE SPECIFIC ENVIRONMENTAL CONDITIONS ALONG THIS SECTION OF THE POUDRE RIVER RIPARIAN CORRIDOR.

LEGEND

- EXISTING VEGETATION
- EXISTING CONTOURS
- EXISTING DITCH OR CHANNEL
- EXISTING OILGAS FLOWLINES
- EXISTING TELEPHONE
- OVERHEAD ELECTRIC
- EXISTING FENCE
- EXISTING WATER LINE
- SECTION LINE
- PERMIT BOUNDARY
- IRRIGATION LINE (RELOCATED)
- EXISTING EASEMENTS
- POWER POLE
- SECTION CORNER
- POND
- WETLANDS
- UPLAND
- GAS WELL & SETBACK
- PHASE 1 WITHDRAWN FROM USR PER RESOLUTION NO. 2011-2833

FOOTHILLS WETLAND SEED MIX

COMMON NAME	SCIENTIFIC NAME	%	PLS (LBS/AC)
Use Western Native Seed's	High Plains/Foothills Wetland Mix most economical treatment		
American sloughgrass	Beckmannia syzigachne	12	WNS
Woolly sedge	Carex lanuginosa	0.5	WNS
Nebraska sedge	Carex nebrascensis	4	WNS
Creeping spikerush	Eleocharis palustris	10	WNS
Canada wildrye	Elymus canadensis	15	WNS
Arctic rush	Juncus balticus/arcticus	1	WNS
Torrey's rush	Juncus torreyi	1	WNS
Mannagrass	Glyceria striata	0.5	WNS
Switchgrass	Panicum virgtum	12	WNS
Hard-stem bulrush	Scirpus acutis	10	WNS
Three-square bulrush	Scirpus americanus	4	WNS
Cloaked bulrush	Scirpus pallidus	1	WNS
Alkali bulrush	Scirpus paludosus	10	WNS
Softstem bulrush	Scirpus validus	10	WNS
Prairie cordgrass	Spartina pectinata	9	WNS
Total lbs/ac		100	8

SPECIES SUBJECT TO CHANGE BASED ON AVAILABILITY

NOTE:
RECLAMATION NOTES:

1. A MINIMUM OF 6-12" OF TOPSOIL WILL BE PLACED ON ALL SLOPES ABOVE THE ASSUMED HIGH-WATER LINE (TOPSOIL WILL NOT BE REQUIRED IN SILT BASIN WETLANDS). RE-VEGETATION SHALL USE SEED MIXES LISTED IN THE TABLE, OR SIMILAR ALTERNATE MIX BASED ON COMMERCIAL AVAILABILITY AT THE TIME OF RECLAMATION. ALL SUBSTITUTIONS WILL BE DETERMINED IN CONSULTATION WITH QUALIFIED EXPERTS, AND APPROPRIATE TO THE REGION AND SOIL REGIME.

2. HIGH WATER LINE IS APPROXIMATE BASED ON AN ASSUMED 3' FREEBOARD & GROUNDWATER MONITORING BASELINE DATA.

3. ANY WETLAND AREAS AND RIPARIAN CORRIDOR AREAS WHICH ARE CREATED, ENHANCED, OR RESTORED, AND BUFFER ZONES CREATED ADJACENT TO THESE AREAS, MAY BE USED FOR WETLAND MITIGATION BANK CREDITS.

4. SEEDING WILL BE DONE DURING THE FIRST FAVORABLE SEEDING SEASON FOLLOWING TOPSOIL PLACEMENT. BASED ON RECOMMENDATION OF THE NRCS, IT IS ANTICIPATED THAT SEEDING WILL BE DONE BETWEEN NOVEMBER 1ST AND APRIL 30TH, UNLESS WEATHER CONDITIONS REQUIRE SEEDING OUTSIDE THESE MONTHS.

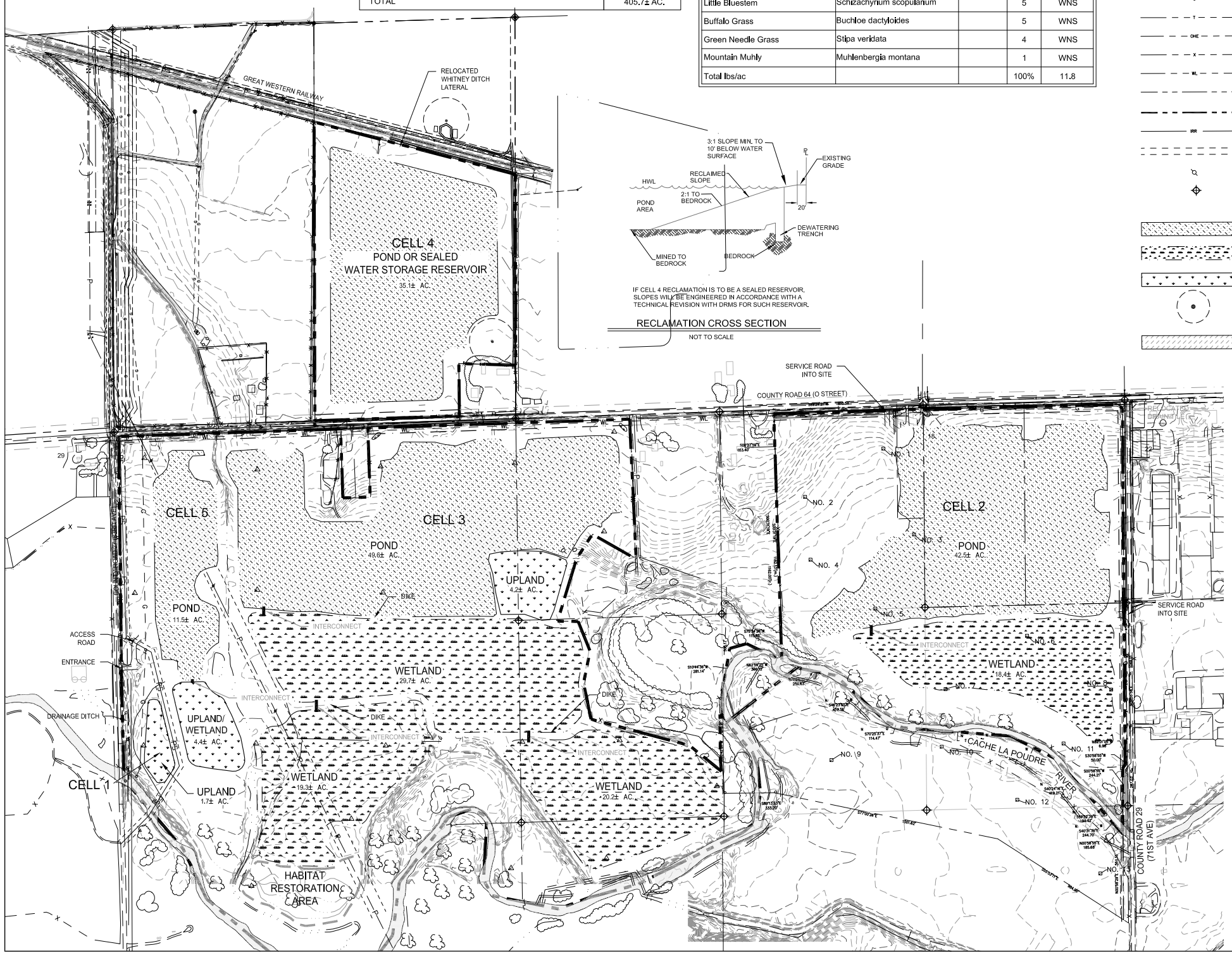
5. CERTIFIED WEED-FREE STRAW CRIMPED INTO TOPSOIL WILL BE USED WHERE GRASSES ARE TO BE ESTABLISHED ABOVE THE HIGH-WATER LINE ON RESERVOIR SIDE SLOPES OR AREA PLANTED INTO A TEMPORARY COVER CROP.

6. ALL PLANT MATERIAL SHALL BE MONITORED FOR DISEASE AND INSECTS. THE CHOICE AND VARIETY OF PLANT MATERIAL SHALL MINIMIZE DISEASE, INSECT AND MAINTENANCE PROBLEMS. DROUGHT TOLERANT, NATIVE OR ADAPTIVE PLANT SPECIES SHALL BE USED TO REVEGETATE THE SITE. GRASSES FOR REVEGETATION ARE SPECIFIED IN THE GRASS SEED MIX LIST. WEEDS SHALL BE MONITORED AND A WEED MANAGEMENT PROGRAM SHALL BE IMPLEMENTED UNTIL VEGETATION IS ESTABLISHED. TEMPORARY IRRIGATION WILL BE PROVIDED IF NECESSARY UNTIL THE VEGETATION IS ESTABLISHED. ALL PLANT MATERIAL AND LANDSCAPING SHALL BE INSTALLED ACCORDING TO THE GENERAL DESIGN STANDARDS OF THE WELD COUNTY LAND USE CODE.

7. THE RECLAMATION CELL LOCATIONS AND LIMITS ARE CONCEPTUAL, THEIR SIZE AND SHAPE MAY VARY DUE TO GEOLOGIC OR SITE CONDITIONS.

8. IF PHASE 2 RECLAMATION IS TO BE SEALED RESERVOIR, THE PLANT CLUSTERS WILL BE DECREASED OR ELIMINATED AS APPROPRIATE TO MAINTAIN THE INTEGRITY OF A SLURRY CUT-OFF TRENCH.

9. ANY DISTURBED AREAS NOT DESIGNATED WETLAND OR POND WILL BE SEEDED TO UPLAND GRASSES.



THIS MAP WAS PREPARED BY AGGREGATE INDUSTRIES-WCR, INC IN COOPERATION WITH CIVIL RESOURCES. AGGREGATE INDUSTRIES-WCR, INC WILL KEEP THE DIVISION OF RECLAMATION, MINING & SAFETY, INFORMED OF ANY CHANGES TO THE MINING OR RECLAMATION PLANS THROUGH ANNUAL REPORTS AND FILE TECHNICAL REVISIONS AND AMENDMENT APPLICATIONS AS NECESSARY THROUGHOUT THE LIFE OF THE MINE.

BY: _____ DATE: _____

CIVIL RESOURCES BY
GARY LINDEN

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GOLDEN, CO 80401
VALUE
CONTACT: CHRISTINE FELZ

RIVERVIEW RESOURCE

GREELEY, COLORADO

REVISIONS

NO.	DESCRIPTION	DATE

DESIGNED BY: GL	DATE: Mar 25, 2020
DRAWN BY: ALS	SCALE: AS NOTED
CHECKED BY: GL	AS NOTED
JOB NO.: Value	
DWG NAME: RIVERVIEW.DWG	

EXHIBIT F
RECLAMATION PLAN

SHEET: 3