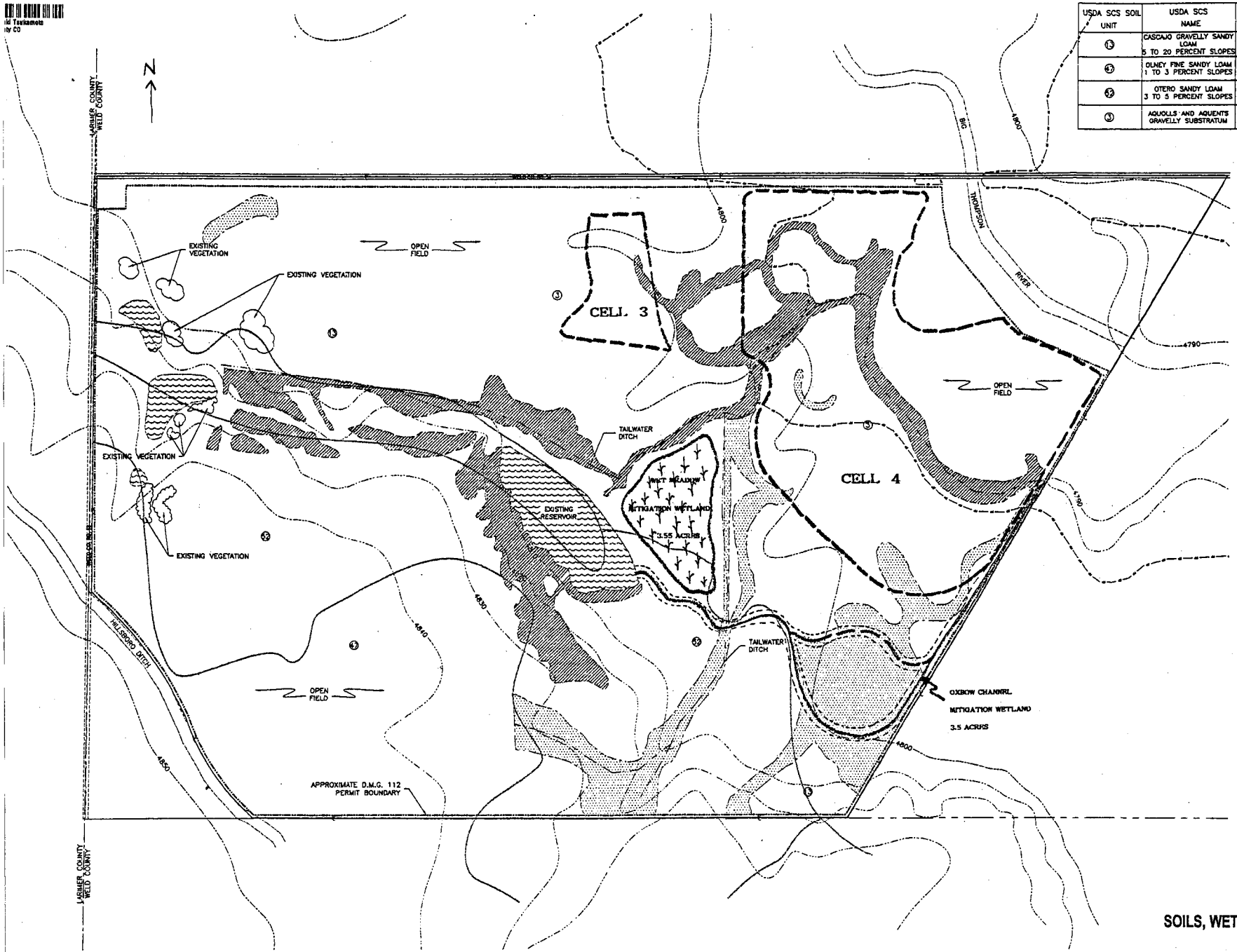
SOIL TYPES

USDA SCS SOIL UNIT	USDA SCS NAME	USDA SCS CAPABILITY CLASSIFICATION*	RECLAMATION USE	USDA SCS SURFACE LAYER THICKNESS
13	CASCAJO GRAVELLY SANDY LOAM 5 TO 20 PERCENT SLOPES	VIIe NONIRRIGATED	SUITABLE	9 INCHES
47	OLNEY FINE SANDY LOAM 1 TO 3 PERCENT SLOPES	IIe IRRIGATED IVe NONIRRIGATED	SUITABLE	10 INCHES
52	OTERO SANDY LOAM 3 TO 5 PERCENT SLOPES	IIIe IRRIGATED VIe NONIRRIGATED	SUITABLE	10 INCHES
3	AQUOLLS AND AQUENTS GRAVELLY SUBSTRATUM	VIIw	SUITABLE	48 INCHES



LEGEND

- PROPERTY LINE
- PERMIT BOUNDARY
- RIVER/DITCH
- PAVED ROAD
- UNPAVED ROAD
- FLOODPLAIN BOUNDARY (2001 MODELING)
- JURISDICTIONAL WETLANDS
- NON-JURISDICTIONAL WET MEADOW
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- VEGETATION
- POND/RESERVOIR
- SOIL POLYGON BOUNDARY

200 0 200 400

SCALE IN FEET
1"= 200'

NOTE:
TOPOGRAPHICAL CONTOURS TAKEN FROM THE USGS JOHNSTOWN COLORADO QUADRANGLE AT 10' CONTOUR INTERVALS.

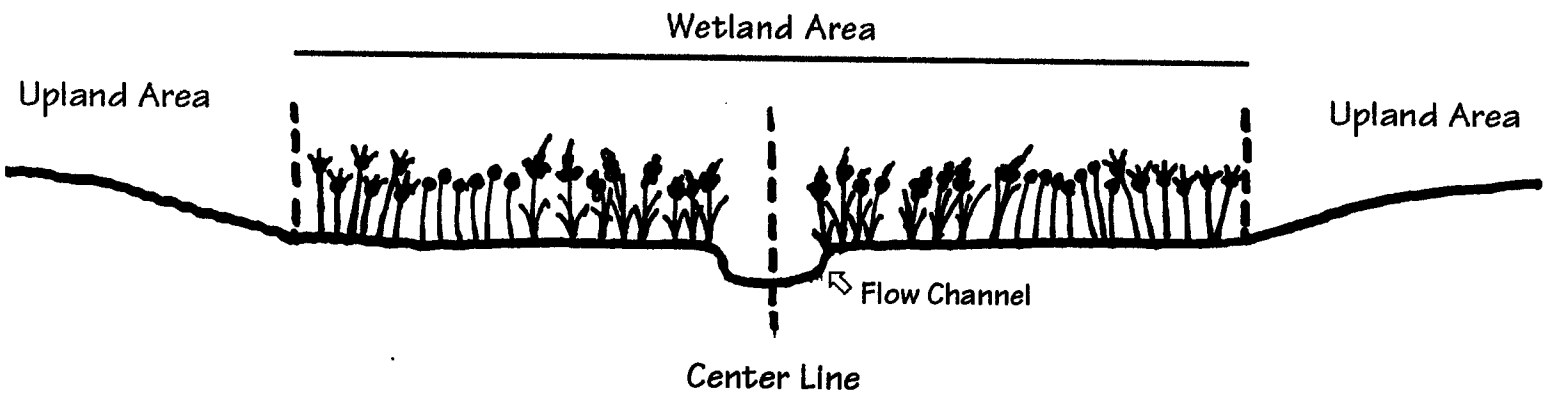
SOILS, WETLANDS AND FLOODPLAIN MAP

Loveland Ready Mix
Croissant & Green
Aggregate Mining
Corps File No. 200180205
Fig. 1 of 3

Banks and Gesso, LLC 720 Kipling St., Suite 117 Lakewood, Colorado 80215 (303) 274-4277	LOVELAND READY MIX CONCRETE, INC. 1811 W.12th LOVELAND, CO 80537		GREEN/CROISSANT SAND AND GRAVEL MINE AND CONCRETE PLA USE BY SPECIAL REVIEW #1329 WELD COUNTY COLORADO		
JOB NO	DATE	SCALE	DRAWN BY	DESIGNED BY	APPROVED BY	REV
20023	12/19/01	1"=200'	DRF	ARS		

Typical Cross Section
Oxbow Channel Mitigation Wetland

Flow Channel 5 ft. wide by 1 ft. deep
Wetland Area 30, 40, or 50 ft. wide depending on location
Wetland Area surface elevation within 18 in. of ambient ground water



Loveland Ready Mix
Croissant & Green
Aggregate Mining
Corps File No. 200180205
Fig. 2 of 3

WET MEADOW AND DRAINAGE SWALE SEED MIX
GREEN AND CROISSANT PROJECT

COMMON NAME	SPECIES NAME	CHARACTER	WETLAND DESIGNATION	SEEDS/LB	SEEDS/ SQFT	SEED RATE lbs (pls)/ac
Graminoids						
Redtop	*Agrostis alba*	perennial, introduced cool-season, sod	FACW	5,500,000	25	0.20
Bluejoint	*Calamagrostis canadensis*	perennial, native cool-season, sod	OBL	2,270,000	25	0.48
Nebraska Sedge	*Carex nebraskensis*	perennial, native cool-season, sod	OBL	534,000	10	0.82
Basin Wildrye	*Elymus cinereus*	perennial, native cool-season, bunchgrass	NI	150,000	4	1.16
Spike Rush	*Eleocharis palustris*	perennial, native cool-season, sod	OBL	620,000	20	1.41
Meadow Fescue	*Festuca pratensis*	perennial, native cool-season, sod	FAC	500,000	5	0.44
Three-Square	*Scirpus americanus*	perennial, native cool-season, sod	OBL	179,000	20	4.87
Forbs						
Rocky Mtn. Iris	*Iris missouriensis*	perennial, native cool-season	OBL	21,000	1	2.07
Totals					110	11.44

note: rates proposed are for drill seeding, broadcast rate 2x