BENT DAIRY
COLORADO DAIRY PARTNERS
EXISTING SITE

PASTURE

CRP/DRYLAND CROPGROUND

Bent Dairy
PROPOSED SITE

- Mature Herd
- Commodities
- Wastewater
- Replacements
- Stormwater
MATURE HERD (MAIN BUILDING)

- 4800 MATURE ROBOTICALLY MILKED
- 1800 DRY COWS AND SPECIAL NEEDS
- 80 ROBOT MILKERS
- DOUBLE 12 HOSPITAL PARLOR
- CROSSVENTILATED
  - DECREASED FOOTPRINT
  - AIR CONDITIONED
  - INCREASED COW COMFORT
COMMODITIES

- INDOOR FEED MIXING
  ◦ REDUCED DUST
  ◦ REDUCED SHRINK
  ◦ IMPROVED EMPLOYEE CONDITIONS

- DRIVE OVER PILE SILAGE STORAGE

- COVERED HAY STORAGE
WASTEWATER

- SEGREGATED STORMWATER AND PROCESS WATER STORAGE
  ◦ NEARLY ELIMINATES RISK OF PROCESS WATER SPILL

- ADVANCED MECHANICAL SEPARATION
  ◦ FLUSH WATER CLEANED AND RECYCLED TO CLEAN FREESTALL
  ◦ MINIMAL SOLIDS TO STORAGE LEAVING MOSTLY WATER
  ◦ SOLIDS STOCKPILED AND EASILY TRANSPORTABLE TO AREA FARMERS

- EARTHEN GRAVITY SEPARATION
  ◦ INEXPENSIVE SECONDARY SEPARATION

- STORAGE PONDS
  ◦ CLAY LINED
  ◦ 11.5 MONTHS STORAGE EXCEEDS REQUIREMENT OF 4 MONTHS
REPLACEMENTS

- ALL REPLACEMENTS RAISED ON-SITE
  - 6,300 REPLACEMENT HEIFERS
  - CALVES HOUSED INSIDE
  - 3.5 MONTHS CALVES ARE MOVED TO GROUP PENS OUTSIDE
  - HEIFERS BRED ON-SITE AND MOVED TO MATURE HERD AT CALVING

- DRYLOT
  - ECONOMICAL AND GOLD STANDARD FOR HEIFER DEVELOPMENT
  - GRADED AND LEVELED TO PROVIDE OPTIMUM DRAINAGE
STORMWATER

-SEGREGATED STORMWATER AND PROCESS WATER SYSTEM

- REDUCES CHANCE OF DISCHARGE
- DESIGNED FOR 25YR-24HR STORM EVENT OF 4.2”
- EXTRA CAPACITY FOR WINTER SNOWMELT, SPRING RAIN ETC
- DESIGNED TO COLORADO CDPHE, USEPA, NRCS STANDARDS
- SEDIMENT SETTLING BASIN
- CLAY LINED
LAND APPLICATION

- PROCESS WATER AND STORMWATER DEWATERED TO ADJOINING FARMGROUND
  - APPROXIMATELY 2,300 ACRES AVAILABLE FOR WASTEWATER
  - LAND APPLIED AT AGRONOMIC RATES
  - HEAVILY REGULATED

- SOLIDS
  - USED MINIMALLY ON DAIRY FARMGROUND
  - GIFTED TO AREA FARMERS
  - STORED ON-SITE THROUGH GROWING SEASON
TRAFFIC

- ALL TRAFFIC CONCENTRATED TO RD 14 (PAVED)

- ADDITIONAL SEASONAL/HARVEST ACCESSES

- CERTIFIED SCALES
WATER SUPPLY

- MULTIPLE DEEP AQUIFER COMMERCIAL WELLS
  - FULLY PERMITTED AND AUGMENTED FOR DAIRY USE