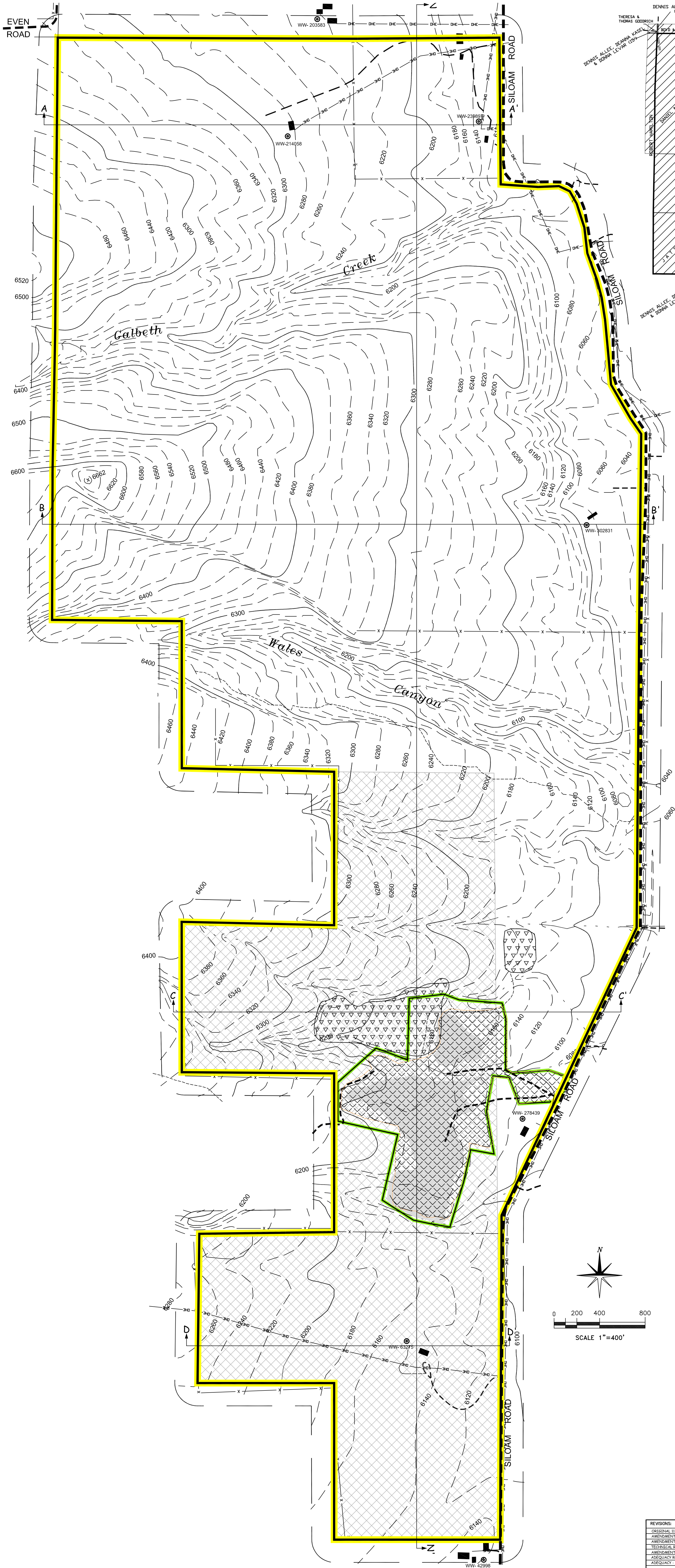




REVISIONS:	DATE:
ORIGINAL 112 PERMIT APPROVED	03/22/1977
AMENDMENT #1 APPROVED	05/01/1991
AMENDMENT #2 APPROVED	05/04/1995
TECHNICAL REVISION #1 APPROVED	09/16/2000
AMENDMENT #3 PREPARED	06/20/2007
ADEQUACY RESPONSE	11/09/2017
ADEQUACY - FOX EVEN ROAD	12/17/2017

STRUCTURES IN HANRATTY LEASE #1	STRUCTURES OUTSIDE LEASES
Ricky R & Bessie E Langdon HOUSE, FENCES, OUT BUILDINGS, DRIVEWAY & WATER WELL	Dennis Allee, Deanna Kassel, & Donna Levar, & Deanna Kassel, Donna Levar & Dennis Allee, Revocable Trust FENCES
STRUCTURES IN HANRATTY LEASE #2	Jeffrey & Mary Ellen Donley FENCE
Daniel W & Cheryl L Hanratty FENCES, HOUSE, OUTBUILDINGS, & DRIVEWAY	Ruth Eden, John & Debora Losavio, & Robert Eden FENCE
Matthew & Danette Ballard HOUSE, FENCES, OUT BUILDINGS WATER WELL, & DRIVEWAY	Bernard & Jacquelin Elliott HOUSE, BARN, FENCES, OUT BUILDINGS, WATER WELL & DRIVEWAY
Michael J Hanratty HOUSE, FENCES, WATER WELL & DRIVEWAY	Ronald G & Laura M Miller & Russell E & Dorothea M Foss FENCE & DRIVEWAY
Kathleen Rutter TRAILER HOUSE, FENCE & WATER WELL & DRIVEWAY	John B Seaman FENCE
Constance Demartine & Timothy Hanratty FENCE	Pueblo County Commissioners SILOAM ROAD EVEN ROAD
Theresa & Thomas Goodrich FENCE	San Isabel Electric Association, Inc. POWER LINES
Robert S Hamilton FENCES	Shelley Stuart Bullock* FENCE & DRIVEWAY
Alan Laughlin BUILDING, FENCES, WATER WELL & DRIVEWAY	Dorothy Youngren, Trust* FENCES
Boyd D & Janette L Rider FENCE	Kerry P & Debra K McKlem* FENCE & DRIVEWAY
Peter P & Magdalena U Shiner FENCE & DRIVEWAY	Note: * are structures that are not within 200 feet of excavation operations on mine.
Bonnie Jo Saltman French FENCE	
Summit Pressed Brick & Tile CO. & J A T Investments LLC FENCES, HOUSE, WATER WELL, & DRIVEWAY	

STRUCTURES LIST

LEGEND	
	NEW PERMIT BOUNDARY/ AFFECTED LANDS
	EXISTING PERMIT BOUNDARY/ AFFECTED LANDS
	200 FOOT LIMIT
	ROADS (HAUL, ACCESS) (TYP.)
	FENCE
	OVERHEAD ELECTRIC LINES
	TRAILS
	BUILDING
	WATER WELL
	TOPO CONTOUR
	EPHEMERAL DRAINAGE
	MINED AREA
	MINING & STOCKPILE AREA
	PRE 1976 DISTURBED & RECLAIMED AREA
	COUNTY NONCONFORMING USE AREA

Map Exhibit C - Current Conditions Map



P.O. Box 533 | Pueblo, Colorado 81003
phone: (719) 542-8278 | fax: (719) 542-5245

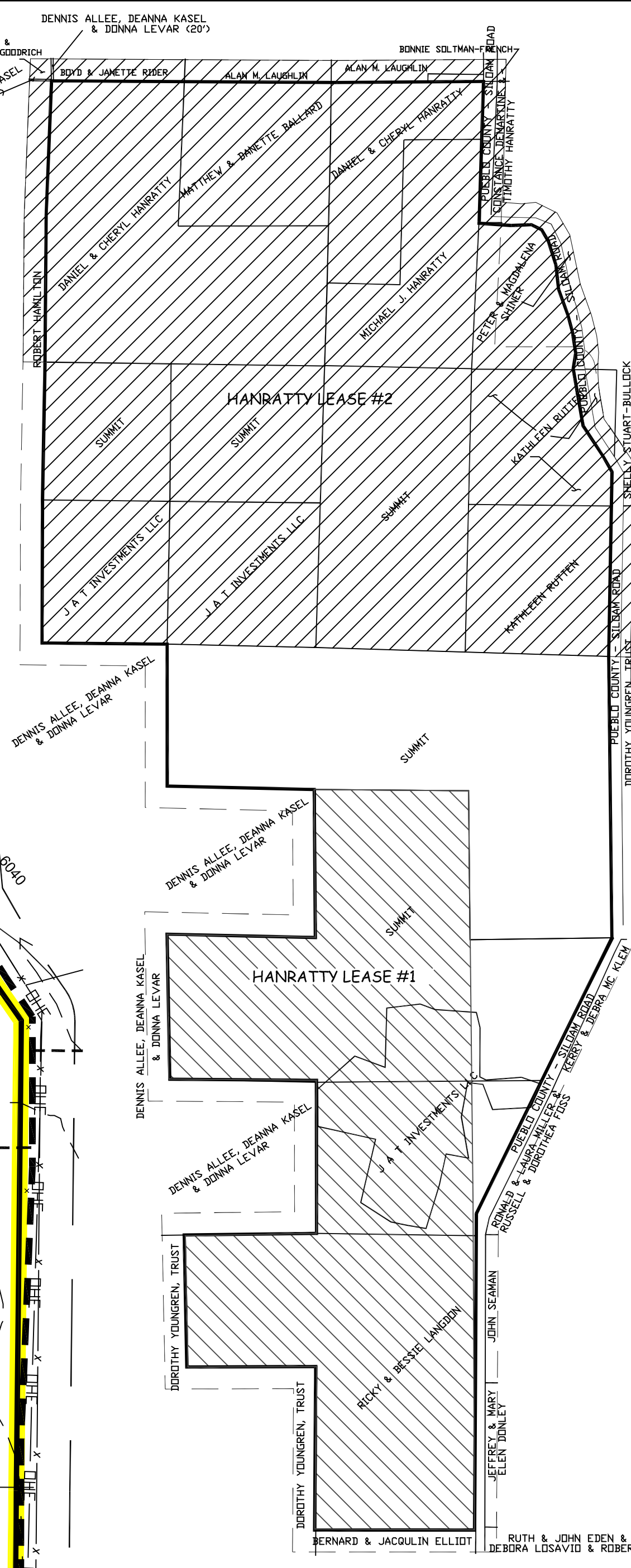
FOX NO 1 CLAY PIT

PERMIT - M-1977-219 AMENDMENT OF A 112 MLRB PERMIT

Parts of the NE1/4 of all of the W1/2, SE1/4, W1/2, SW1/4 & the NW1/4 of
Section 19, Parts of the NE1/4, & SE1/4 and all of the NE1/4, W1/2, NE1/2SW1/4 & NE1/4
NW1/4 of Section 30, and the W1/2 and NE1/2NW1/4, Section 31, T-22-S, R-67-W, 6th
P.M., Pueblo County, Colorado.
Containing 1,046.8 ac. more or less.

PREPARED BY: ENVIRONMENT, INC.
7805 VANCE DR., # 205A
ARVADA, CO 80003
303.423.7271
environment-inc@outlook.net

SCALE 1"=400'
DATE 06/15/2017



- Dennis Allee, Deanna Kassel, & Donna Levar, & Deanna Kassel, Donna Levar & Dennis Allee, Revocable Trust
7210 State Hwy 78
Pueblo, CO 81005-9610
- Matthew & Danette Ballard
4495 Siloam Rd W.
Beulah, CO 81023-9733
- Constance Demartine
& Timothy Hanratty
940 M St
Perris, CO 81240-9627
- Jeffrey & Mary Ellen Donley
7995 State Highway 78 W
Beulah, CO 81023-9783
- Ruth Eden, John & Debora Losavio,
& Robert Eden
61 Drake St
Pueblo, CO 81005-1944
- Bernard & Jacquelin Elliott
5421 Siloam Rd W
Beulah, CO 81023-9778
- Theresa & Thomas Goodrich
PO Box 217
Kim, CO 81049-0217
- Robert S Hamilton
PO Box 38429
Colorado Springs, CO 80937-8429
- Daniel W & Cheryl L Hanratty
4451 Siloam Rd W
Beulah, CO 81023-9733
- Michael J Hanratty
8080 State Hwy 78 Lot 22
Beulah, CO 81023-9700
- Summit Pressed Brick & Tile CO.
& J A T Investments LLC
PO Box 533
Pueblo, CO 81002-0533
- Ricky R & Bessie E Langdon
PO Box 243
Beulah, CO 81023-0243
- Alan Laughlin
11271 E Parker Rd
Parker, CO 80138-7801
- Kerry P & Debra K McKlem
5020 Siloam Rd W
Beulah, CO 81023-9778
- Ronald G & Laura M Miller &
Russell E & Dorothea M Foss
5184 Siloam Rd W
Beulah, CO 81023-9778
- Boyd D & Janette L Rider
8185 Even Rd
Beulah, CO 81023-9751
- Kathleen Rutten
1201 S La Crosse Ave
Pueblo, CO 81001-4517
- John B Seaman
6 Aberdeen Bluffs
Pueblo, CO 81004-1000
- Peter P & Magdalena U Shiner
4600 Siloam Rd W
Beulah, CO 81023-9733
- Bonnie Jo Soltman French
1603 Beaufort St.
Laramie, WY 82072-1932
- Shelley Stuart Bullock
1348 S Fairfax St.
Denver, CO 80222-3542
- Dorothy Youngren, Trust
8050 State Highway 78 W
Beulah, CO 81023-9607
- Pueblo County Commissioners
215 10th Street
Pueblo, CO 81003

OWNERSHIP MAP AND LIST (SEE EXHIBIT O)

STRUCTURES IN HANRATTY LEASE #1	STRUCTURES OUTSIDE LEASES
Ricky R & Bessie E Langdon HOUSE, FENCES, OUT BUILDINGS, DRIVEWAY & WATER WELL	Dennis Allee, Deanna Kassel, & Donna Levar, & Deanna Kassel, Donna Levar & Dennis Allee, Revocable Trust FENCES
STRUCTURES IN HANRATTY LEASE #2	Jeffrey & Mary Ellen Donley FENCE
Daniel W & Cheryl L Hanratty FENCES, HOUSE, OUTBUILDINGS, & DRIVEWAY	Ruth Eden, John & Debora Losavio, & Robert Eden FENCE
Mathew & Danette Ballard HOUSE, FENCES, OUT BUILDINGS WATER WELL, & DRIVEWAY	Bernard & Jacquelin Elliott HOUSE, BARN, FENCES, OUT BUILDINGS, WATER WELL & DRIVEWAY
Michael J Hanratty HOUSE, FENCES, WATER WELL & DRIVEWAY	Ronald G & Laura M Miller & Russell E & Dorothea M Foss FENCE & DRIVEWAY
Kathleen Rutten TRAILER HOUSE, FENCE & WATER WELL & DRIVEWAY	John B Seaman FENCE
Constance Demartine & Timothy Hanratty FENCE	Pueblo County Commissioners SILOAM ROAD EVEN ROAD
Theresa & Thomas Goodrich FENCE	San Isabel Electric Association, Inc. POWER LINES
Robert S Hamilton FENCES	Shelley Stuart Bullock* FENCE & DRIVEWAY
Alan Laughlin BUILDING, FENCES, WATER WELL & DRIVEWAY	Dorothy Youngren, Trust* FENCES
Boyd D & Janette L Rider FENCE	Kerry P & Debra K McKlem* FENCE & DRIVEWAY
Peter P & Magdalena U Shiner FENCE & DRIVEWAY	Note: * are structures that are not within 200 feet of excavation operations on mine.
Bonnie Jo Soltman French FENCE	
Summit Pressed Brick & Tile CO. & J A T Investments LLC FENCES, HOUSE, WATER WELL, & DRIVEWAY	

STRUCTURES LIST

- LEGEND**
- NEW PERMIT BOUNDARY/ AFFECTED LANDS
 - 200 FOOT LIMIT
 - ROADS (HAUL, ACCESS) (TYP.)
 - TOPO CONTOUR
 - FENCE
 - OVERHEAD ELECTRIC LINES
 - TRAILS
 - EPHEMERAL DRAINAGE
 - WATER WELL
 - ESTIMATED MINING DIRECTION
 - BUILDING
 - FUTURE MINING AREA
 - POTENTIAL MINING AREA
 - RECLAIMED AREA
 - MINING & PLANT SITE AREA
 - SLOPE AREAS
 - AREAS MINED PRE 1973

Map Exhibit C-1 - Mining Plan Map

P.O. Box 533 | Pueblo, Colorado 81003
phone: (719) 542-8278 | fax: (719) 542-5245

FOX NO 1 CLAY PIT

PERMIT - M-1977-219

AMENDMENT OF A 112 MLRB PERMIT

Parts of the NE1/4 of Section 19, Parts of the NE1/4, SE1/4, NE1/4, SW1/4 & the NW1/4 of Section 19, Parts of the NE1/4, SE1/4, NE1/4, SW1/4 & the NW1/4 of Section 30, and the NW1/4 of Section 31, T-22-S, R-67-W, 6th P.M., Pueblo County, Colorado.
Containing 1,046.8 ac. more or less.

PREPARED BY: **ENVIRONMENT, INC.**
7805 VANCE DR., # 205A
ARAPAHO, CO 80003
303-423-7979
environment-inc@outlook.net

SCALE 1"=400'

DATE 06/15/2017

REVISIONS:	DATE:
ORIGINAL 112 PERMIT APPROVED	03/22/1977
AMENDMENT #1 APPROVED	05/09/1991
AMENDMENT #2 APPROVED	05/04/1995
TECHNICAL REVISION #1 APPROVED	09/14/2000
AMENDMENT #3 PREPARED	06/20/2017
ADEQUACY RESPONSE	11/11/2017
ADEQUACY - FEE EVEN ROAD	12/08/2017

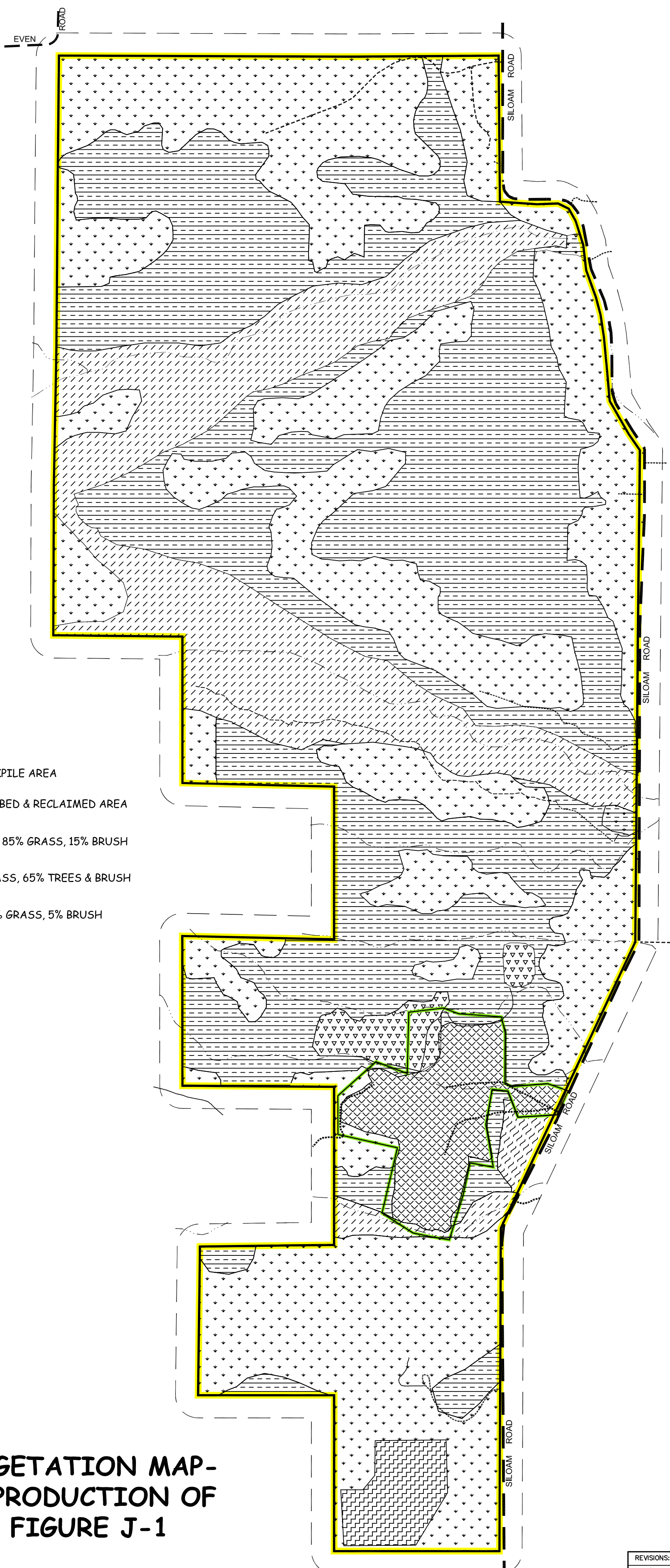
- MINING & STOCKPILE AREA
- PRE 1976 DISTURBED & RECLAIMED AREA
- EBF - Eutroboralfs, steep
- Ho - Holderness silt loam, 3 tp 9% slopes
- NuC - Nunn clay loam, 0 tp 3% slopes
- StE - Stroue extremely stony loam, 9 to 25% slopes
- TsD - Travessilla sandy loam, 1 to 9% slopes
- VmE - Vamar-Rock outcrop complex, 5 to 25% slopes
- Wo - Wormser silt loam

SOILS MAP -
REPRODUCTION OF
FIGURE I-1

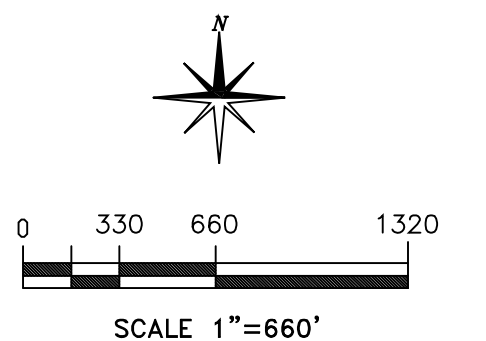


- MINING & STOCKPILE AREA
- PRE 1976 DISTURBED & RECLAIMED AREA
- GRASS - BRUSH - 85% GRASS, 15% BRUSH
- CANYON 35% GRASS, 65% TREES & BRUSH
- GRASSLAND - 95% GRASS, 5% BRUSH
- CROP LAND
- FARM YARD

VEGETATION MAP -
REPRODUCTION OF
FIGURE J-1



- LEGEND
- NEW PERMIT BOUNDARY/ AFFECTED LANDS
- EXISTING PERMIT BOUNDARY/ AFFECTED LANDS
- 200 FOOT LIMIT
- ROADS (HAUL, ACCESS) (TYP.)
- EPHEMERAL DRAINAGE



Map Exhibit C-2 - Soils & Vegetation Maps



P.O. Box 533 | Pueblo, Colorado 81003
phone: (719) 542-8278 | fax: (719) 542-5245

FOX NO 1 CLAY PIT

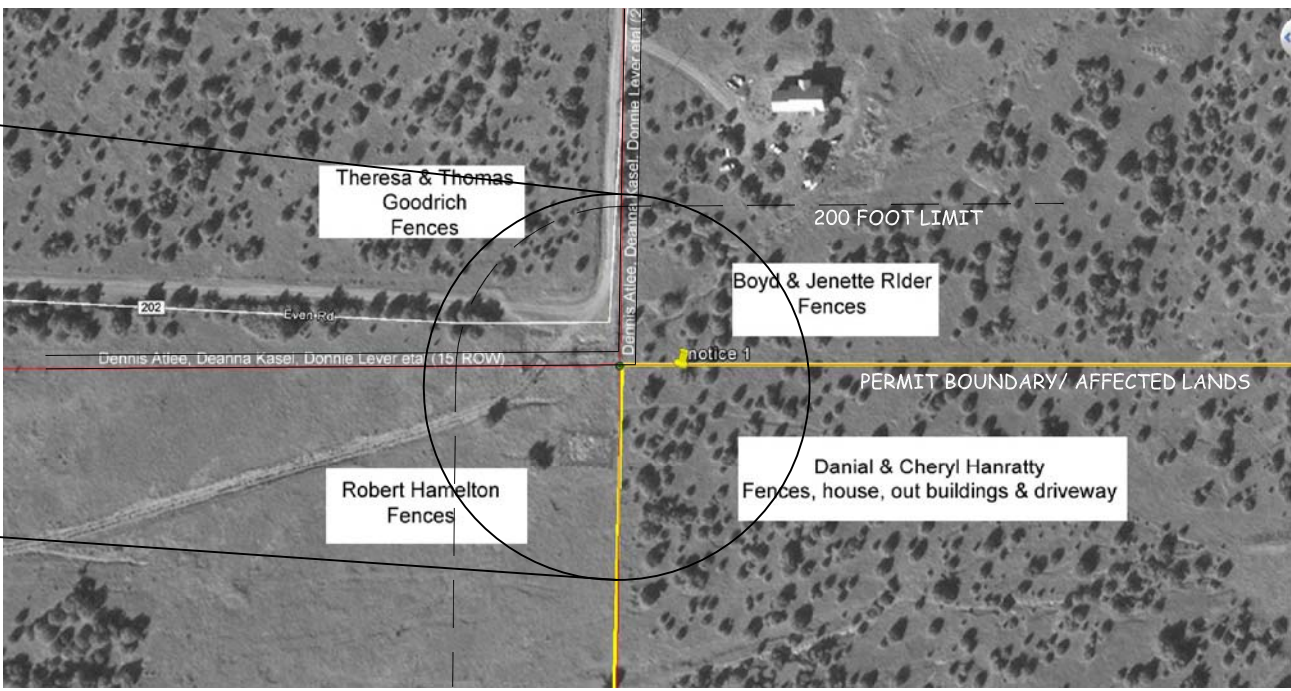
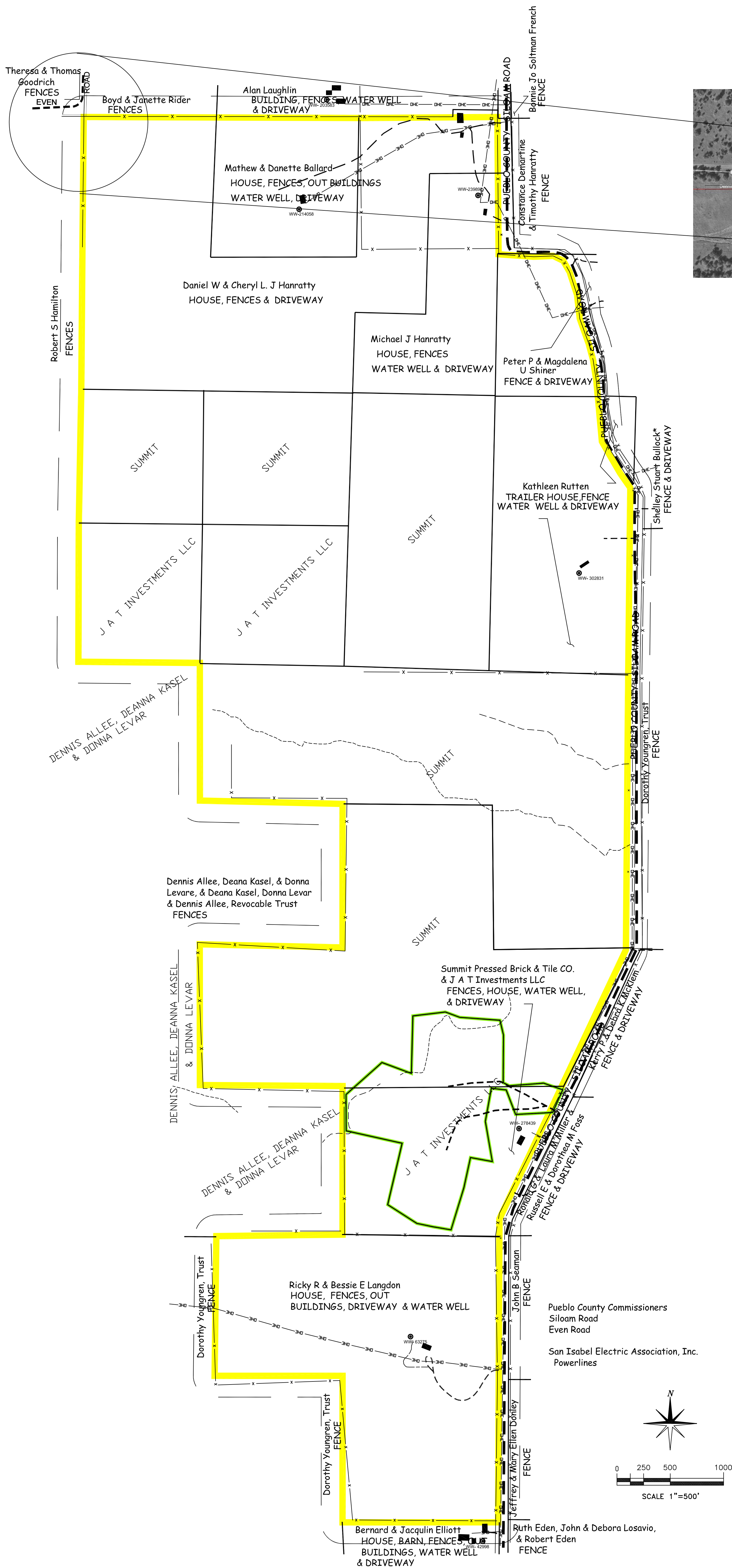
PERMIT - M-1977-219
AMENDMENT OF A 112 MLRB PERMIT

Parts of the NE1/4SE1/4 and all of the W1/4NE1/4, SE1/4SE1/4, W1/4SE1/4, SW1/4 and the NW1/4 of Section 19. Parts of the NE1/4SE1/4, SE1/4SE1/4 and all of the NE1/4, W1/4SE1/4, NE1/4SW1/4 & NE1/4NW1/4 of Section 30, and the W1/4NE1/4 and NE1/4NW1/4, Section 31, T-22-S, R-67-W, 6th P.M., Pueblo County, Colorado.
Containing 1,046.8 ac. more or less.

PREPARED BY: **ENVIRONMENT, INC.**
7865 VINCE DR., # 200
ARVADA, CO 80003
303-439-7237
environment-inc@outlook.com

REVISIONS:	DATE:
ORIGINAL ILL PERMIT APPROVED	03/22/1977
AMENDMENT #1 APPROVED	05/09/1991
AMENDMENT #2 APPROVED	05/04/1995
TECHNICAL REVISION #1 APPROVED	09/14/2010
AMENDMENT #3 PREPARED	06/02/2017
CREATED FOR ADEQUACY	10/24/2017
ADEQUACY - FIX EVEN ROAD	12/11/2017

SCALE 1"=660'
DATE: 10/17/2017



STRUCTURES IN HANRATTY LEASE #1	STRUCTURES OUTSIDE LEASES
Ricky R & Bessie E Langdon HOUSE, FENCES, OUT BUILDINGS, DRIVEWAY & WATER WELL	Dennis Allee, Deana Kasel, & Donna Levar, & Deana Kasel, Donna Levar & Dennis Allee, Revocable Trust FENCES
STRUCTURES IN HANRATTY LEASE #2	Jeffrey & Mary Ellen Donley FENCE
Daniel W & Cheryl L Hanratty FENCES, HOUSE, OUTBUILDINGS, & DRIVEWAY	Ruth Eden, John & Debora Losavio, & Robert Eden FENCE
Mathew & Danette Ballard HOUSE, FENCES, OUT BUILDINGS WATER WELL, & DRIVEWAY	Bernard & Jacquelin Elliott HOUSE, BARN, FENCES, OUT BUILDINGS, WATER WELL & DRIVEWAY
Michael J Hanratty HOUSE, FENCES, WATER WELL & DRIVEWAY	Ronald G & Laura M Miller & Russell E & Dorothea M Foss FENCE & DRIVEWAY
Kathleen Rutter TRAILER HOUSE, FENCE & WATER WELL & DRIVEWAY	John B Seaman FENCE
Constance Demartine & Timothy Hanratty FENCE	Pueblo County Commissioners SILLOAM ROAD EVEN ROAD
Theresa & Thomas Goodrich FENCE	San Isabel Electric Association, Inc. POWER LINES
Robert S Hamilton FENCES	Shelley Stuart Bullock* FENCE & DRIVEWAY
Alan Laughlin BUILDING, FENCES, WATER WELL & DRIVEWAY	Dorothy Youngren, Trust* FENCES
Boyd D & Janette L Rider FENCE	Kerry P & Debra K McKlem* FENCE & DRIVEWAY
Peter P & Magdalena U Shiner FENCE & DRIVEWAY	Note: * are structures that are not within 200 feet of excavation operations on mine.
Bonnie Jo Soltman French FENCE	
Summit Pressed Brick & Tile CO. & J A T Investments LLC FENCES, HOUSE, WATER WELL, & DRIVEWAY	

STRUCTURES LIST

LEGEND	
	NEW PERMIT BOUNDARY/ AFFECTED LANDS
	EXISTING PERMIT BOUNDARY/ AFFECTED LANDS
	200 FOOT LIMIT
	ROADS (HAUL, ACCESS) (TYP.)
	FENCE
	OVERHEAD ELECTRIC LINES
	TRAILS
	BUILDING
	WATER WELL

Map Exhibit C-3 - Structures Map



P.O. Box 533 | Pueblo, Colorado 81003
phone: (719) 542-8278 | fax: (719) 542-5245

FOX NO 1 CLAY PIT

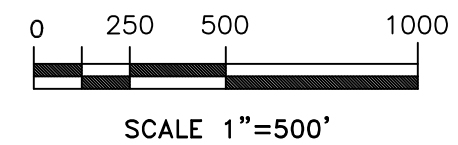
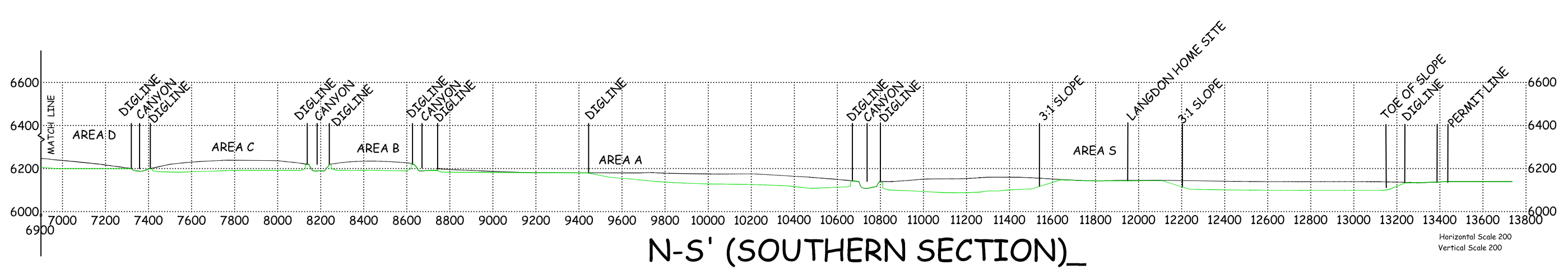
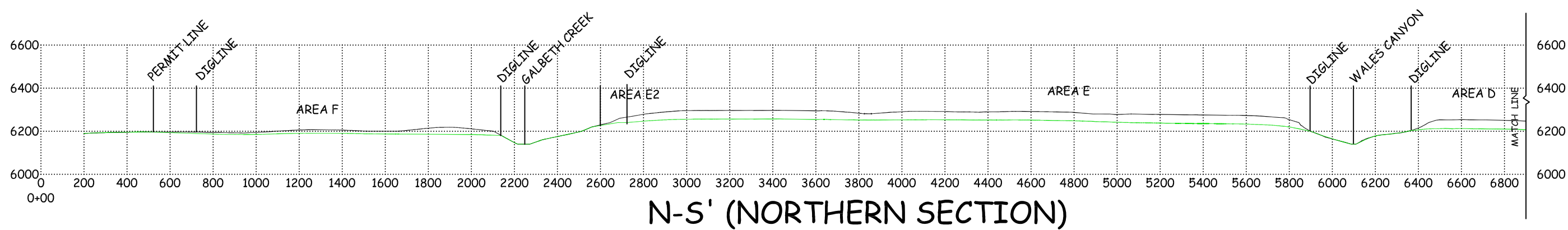
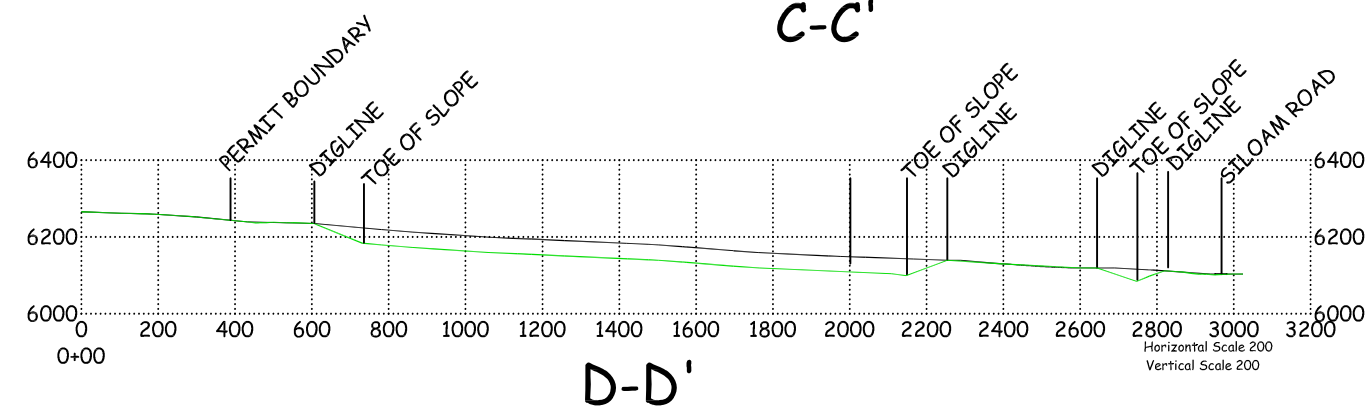
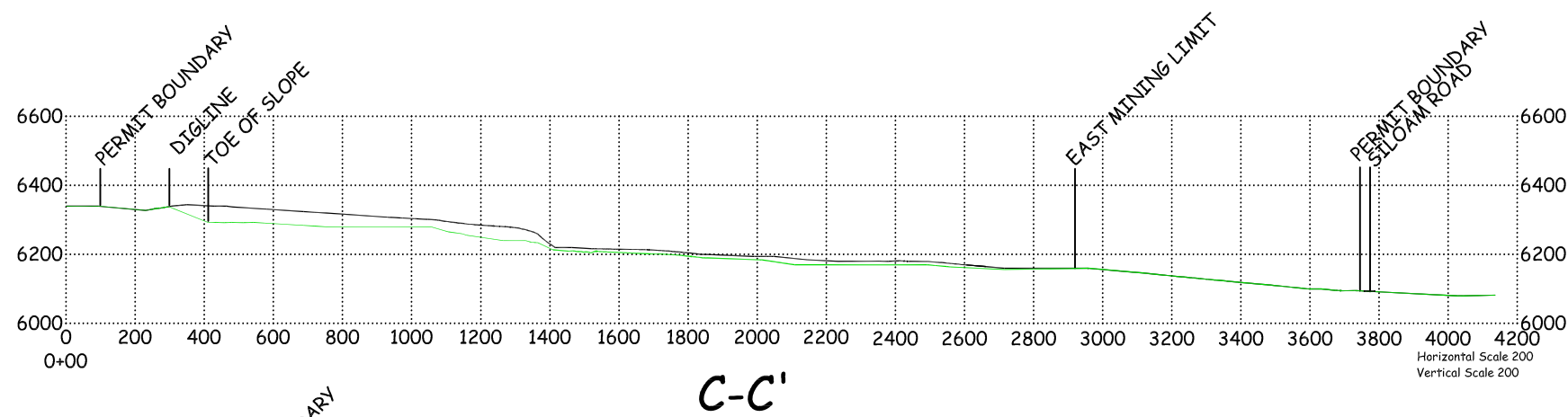
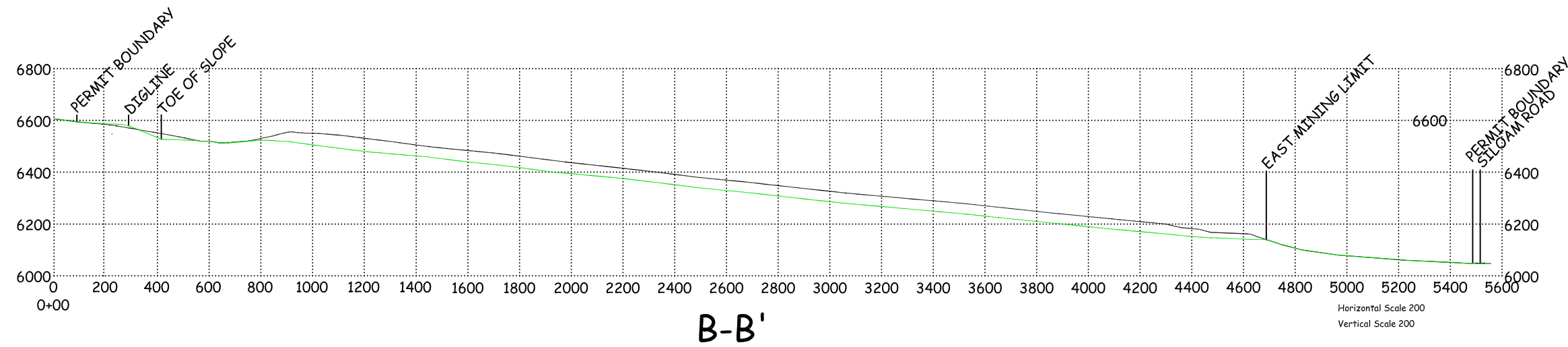
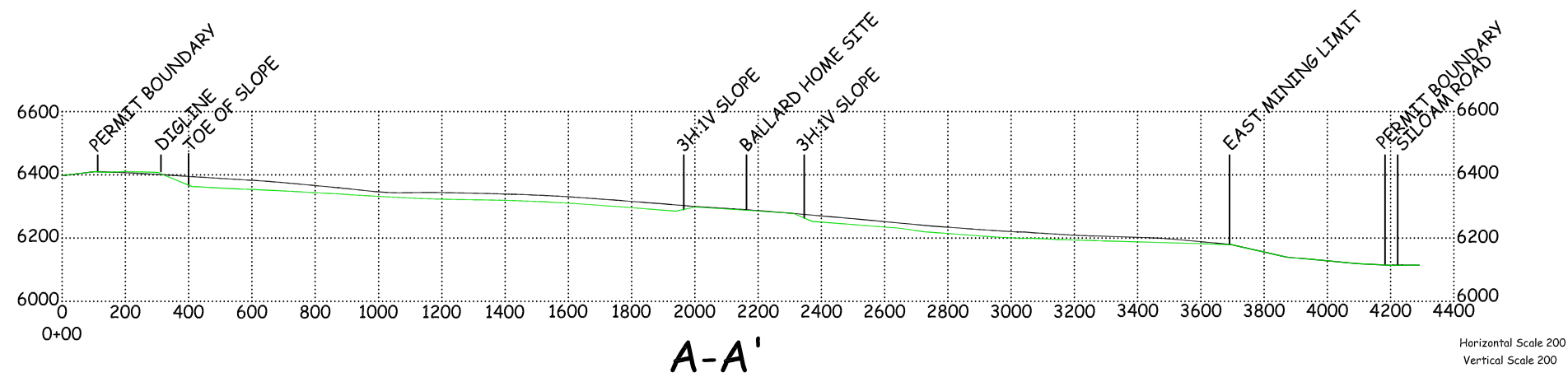
PERMIT - M-1977-219
AMENDMENT OF A 112 MLRB PERMIT

Parts of the NE1/4 of Section 19, Parts of the NE1/4, SE1/4, SW1/4 & the NW1/4 of
Section 19, Parts of the NE1/4, SE1/4, SW1/4 & the NW1/4 of Section 30, and the NW1/4 and NE1/4 of Section 31, T-22-S, R-67-W, 6th
P.M., Pueblo County, Colorado.
Containing 1,046.8 ac. more or less.

PREPARED BY: ENVIRONMENT, INC.
7805 VANCE DR., # 205A
ARVADA, CO 80003
303.453.7291
#environmentinc@outlook.com

SCALE 1"=400'
DATE 06/15/2017

REVISIONS:	DATE:
ORIGINAL 112 PERMIT APPROVED	03/22/1977
AMENDMENT #1 APPROVED	05/01/1991
AMENDMENT #2 APPROVED	05/04/1995
TECHNICAL REVISION #1 APPROVED	09/16/2000
AMENDMENT #3 PREPARED	06/20/2007
CREATED FOR ADEQUACY RESPONSE	11/08/2007
ADEQUACY - FOX EVEN ROADS	12/17/2007



Map Exhibit C-4 - Mine Cross Sections



P.O. Box 533 | Pueblo, Colorado 81003
phone: (719) 542-8278 | fax: (719) 542-5245

FOX NO 1 CLAY PIT

PERMIT - M-1977-219
AMENDMENT OF A 112 MLRB PERMIT

Parts of the NE $\frac{1}{4}$ SE $\frac{1}{4}$ and all of the W $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, W $\frac{1}{4}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ & the NW $\frac{1}{4}$ of Section 19, Parts of the NE $\frac{1}{4}$ SE $\frac{1}{4}$ & SE $\frac{1}{4}$ SE $\frac{1}{4}$ and all of the NE $\frac{1}{4}$, W $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$ & NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 30, and the W $\frac{1}{4}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 31, T-22-S, R-67-W, 6th P.M., Pueblo County, Colorado.
Containing 1,046.8 ac. more or less.

REVISIONS:	DATE:
ORIGINAL 112 PERMIT APPROVED	03/22/1977
AMENDMENT #1 APPROVED	05/09/1991
AMENDMENT #2 APPROVED	05/04/1995
TECHNICAL REVISION #1 APPROVED	09/14/2000
AMENDMENT #3 PREPARED	06/20/2017
Cross Section prepared by Tim Leisdon	11/03/2017
ADDITIONAL RESPONSE	11/08/2017
ADDITIONAL RESPONSE #2	12/18/2017

PREPARED BY: **ENVIRONMENT, INC.**
7800 VANCE DR., # 300A
ARVADA, CO 80003
P.M., Pueblo County, Colorado
environment-inc@outlook.net

SCALE 1"=400'
DATE 11/08/2017

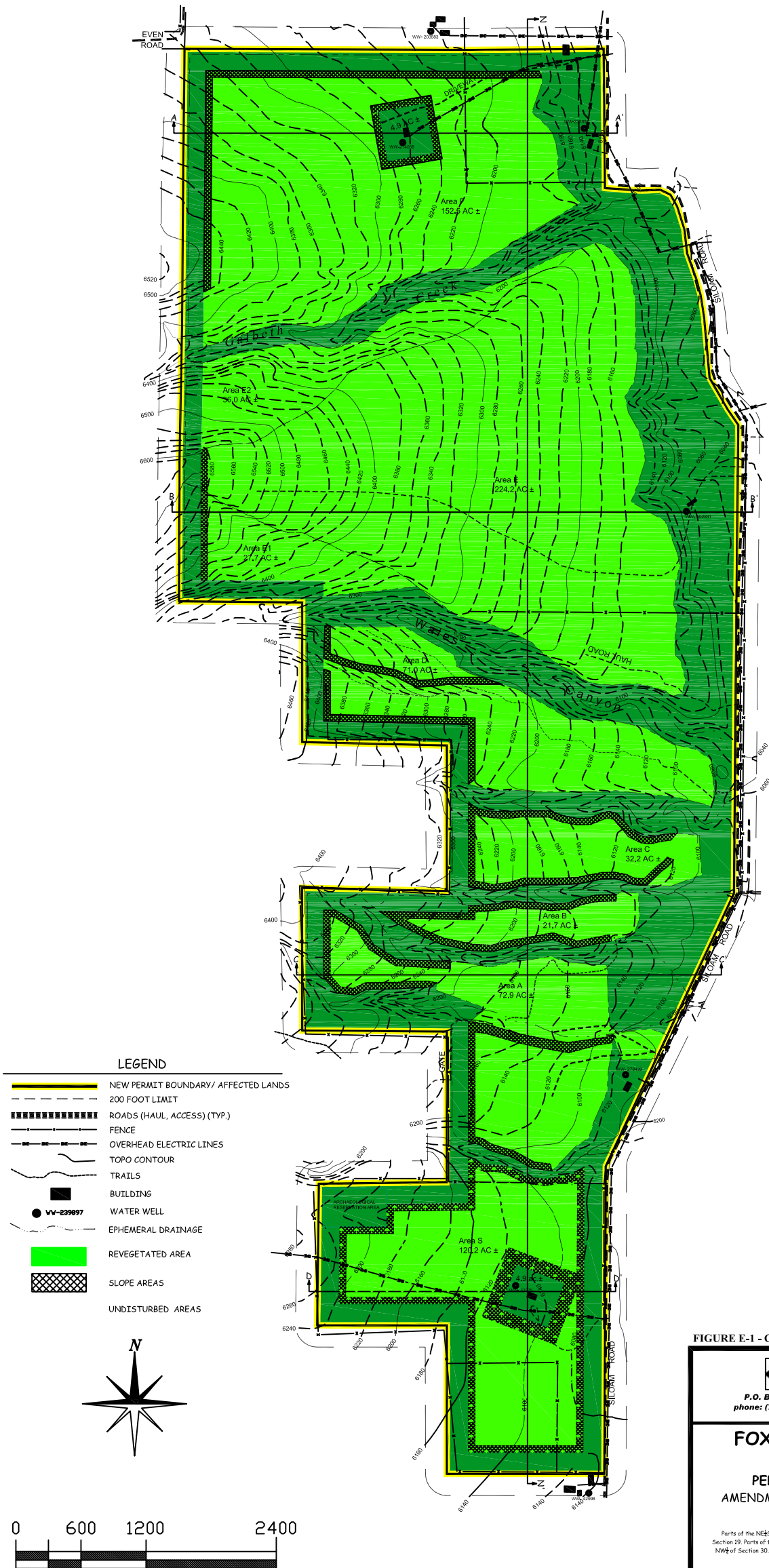


FIGURE E-1 - Color Reclamation Plan Sketch



P.O. Box 533 | Pueblo, Colorado 81003
phone: (719) 542-8278 | fax: (719) 542-5245

FOX NO 1 CLAY PIT

PERMIT - M-1977-219
AMENDMENT OF A 112 MLRB PERMIT

Parts of the NE1/4 Sec 30 and all of the NW1/4 Sec 30, T-22-S, R-67-W, 6th P.M., Pueblo County, Colorado.
Containing 1,046.8 ac. more or less.

REVISION	DATE
DESIGNER: J. R. B. APPROVED: J. R. B.	12/12/2017
PROJECT: FOX NO 1 CLAY PIT	12/12/2017
DESIGNER: J. R. B. APPROVED: J. R. B.	12/12/2017
PROJECT: FOX NO 1 CLAY PIT	12/12/2017
DESIGNER: J. R. B. APPROVED: J. R. B.	12/12/2017
PROJECT: FOX NO 1 CLAY PIT	12/12/2017

DESIGNED BY: J. R. B.
DRAWN BY: J. R. B.
CHECKED BY: J. R. B.
APPROVED BY: J. R. B.

SCALE: 1"=400'
DATE: 6/15/2017