

Photo Tour of the Tin Pan Canyon Gob Reclamation Project

Raton, New Mexico

1999



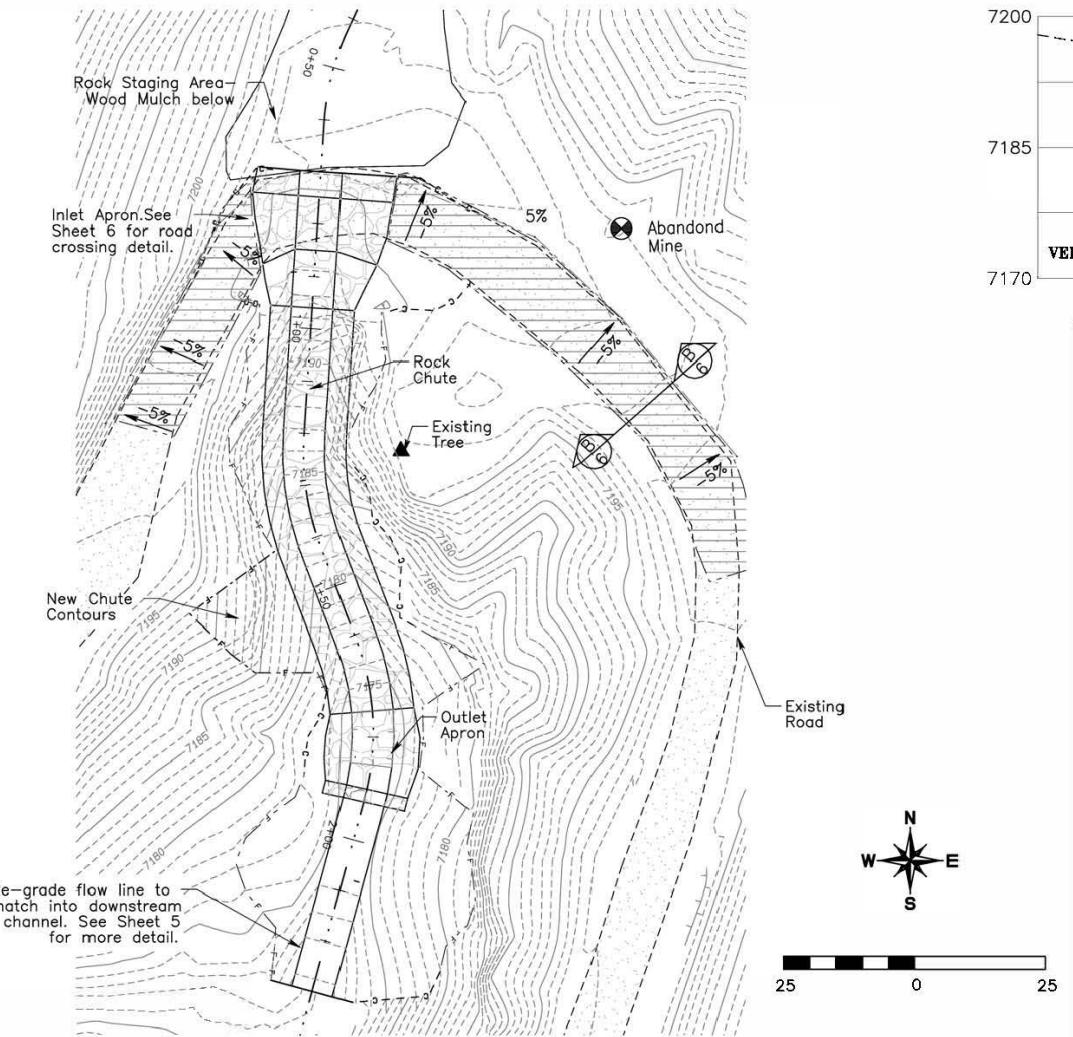
1999



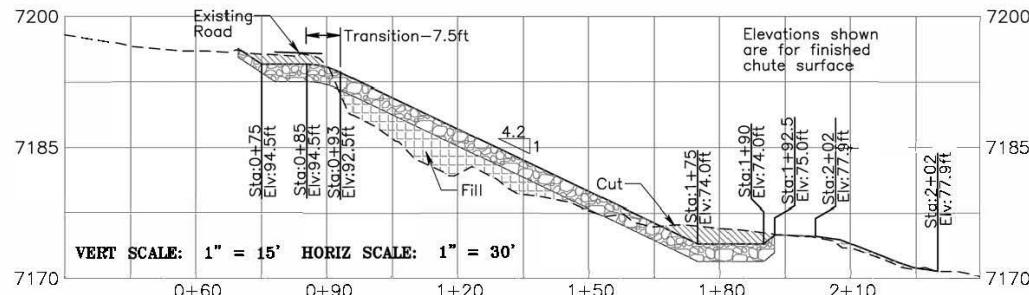


1999

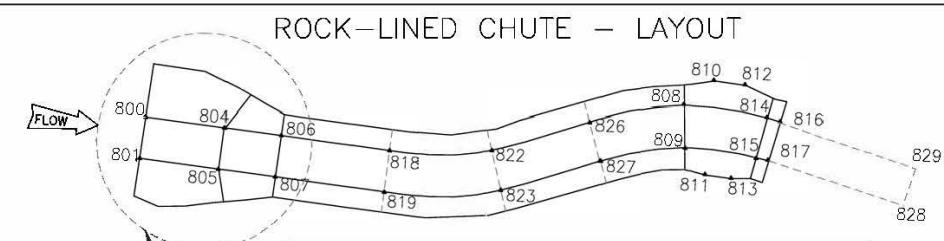
ROCK-LINED CHUTE - PLAN



ROCK-LINED CHUTE - Q PROFILE



ROCK-LINED CHUTE - LAYOUT



Pt #	Northing	Easting	Elevation	Descriptor
800	2162702.1	481525.0	7196.2	Start Inlet
801	2162702.6	481517.0	7196.2	Start Inlet
804	2162687.1	481524.0	7194.5	Start Transition
805	2162687.6	481516.1	7194.5	Start Transition
806	2162676.2	481523.3	7192.5	Start 2:1 Side Slopes
807	2162576.7	481515.4	7192.5	Start 2:1 Side Slopes
808	2162599.8	481534.8	7174.0	Begin Outlet Apron
809	2162599.2	481526.8	7174.0	Begin Outlet Apron
810	2162594.3	481539.9	7176.5	Outlet apron top rock
811	2162594.7	481521.9	7176.5	Outlet apron top rock
812	2162588.5	481539.5	7176.5	Outlet apron top rock
813	2162590.6	481521.6	7176.5	Outlet apron top rock
814	2162583.7	481533.6	7174.0	End Outlet Apron
815	2162585.5	481525.8	7174.0	End Outlet Apron
816	2162581.3	481533.0	7175.0	End/Top Chute Anchor
817	2162583.0	481525.2	7175.0	End/Top Chute Anchor
818	2162657.2	481522.1	7188.0	Rock Chute
819	2162657.7	481514.1	7188.0	Rock Chute
822	2162638.5	481522.8	7183.3	Rock Chute
823	2162636.7	481515.0	7183.3	Rock Chute
826	2162620.1	481529.3	7178.6	Rock Chute
827	2162617.3	481521.9	7178.6	Rock Chute
828	2162547.0	481515.4	7175.0	End Grading
829	2162544.9	481523.2	7175.0	End Grading

Natural
Channel
Design, Inc

DRAWN BY: D. HALLORAN & J. FLEISHMAN

DESIGNED BY: M. KEARLY

2900 N. West St. Suite #5
Flagstaff, Arizona 86004
(928) 774-2336

Rock Chute Overview & Layout

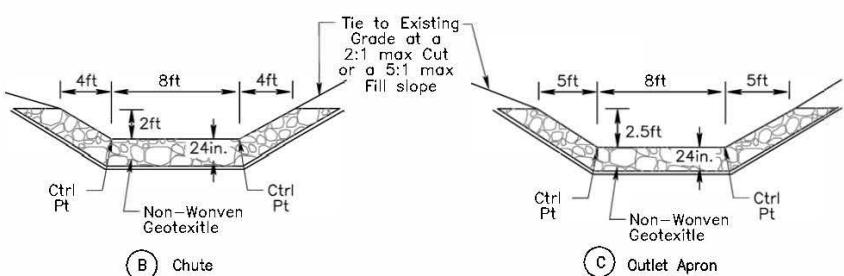
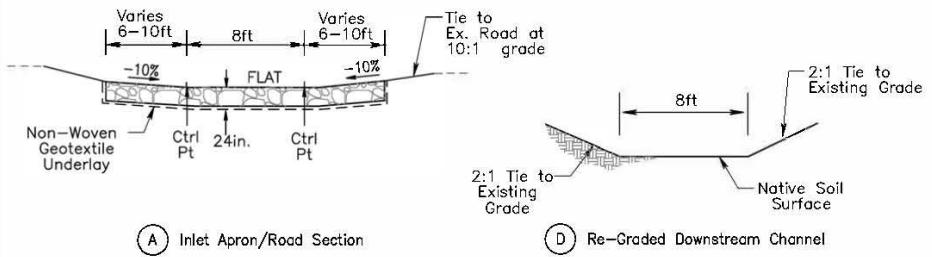
Tin Pan Canyon Headcut Stabilization Project



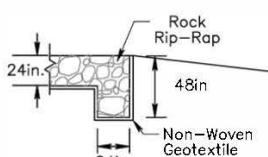
UNAUTHORIZED CHANGES & USES THE ENGINEER
PREPARING THESE PLANS WILL NOT BE RESPONSIBLE
FOR OR LIABLE FOR UNAUTHORIZED CHANGES
TO OR USES OF THESE PLANS. CHANGES
IN WRITING AND MUST BE APPROVED BY THE PREPAREE
OF THESE PLANS.

DIAL 811
BEFORE
YOU DIG

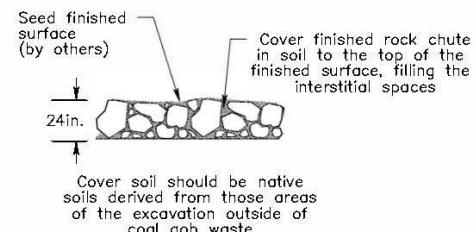
FILE NAME: Tin Pan	DATE: 01-28-2019
PROJECT NO: 18-308NM	SHEET: 4A of 7



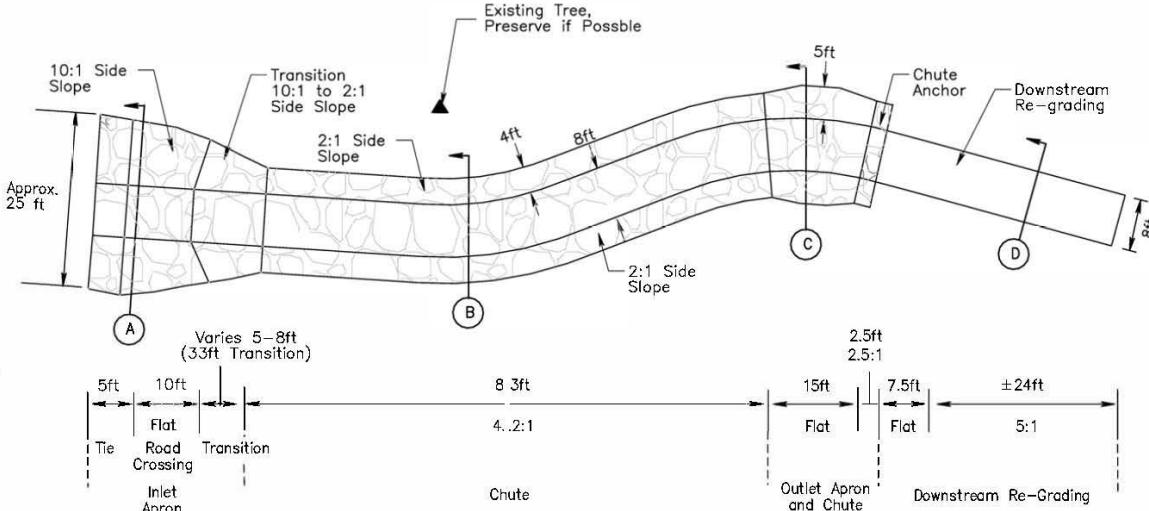
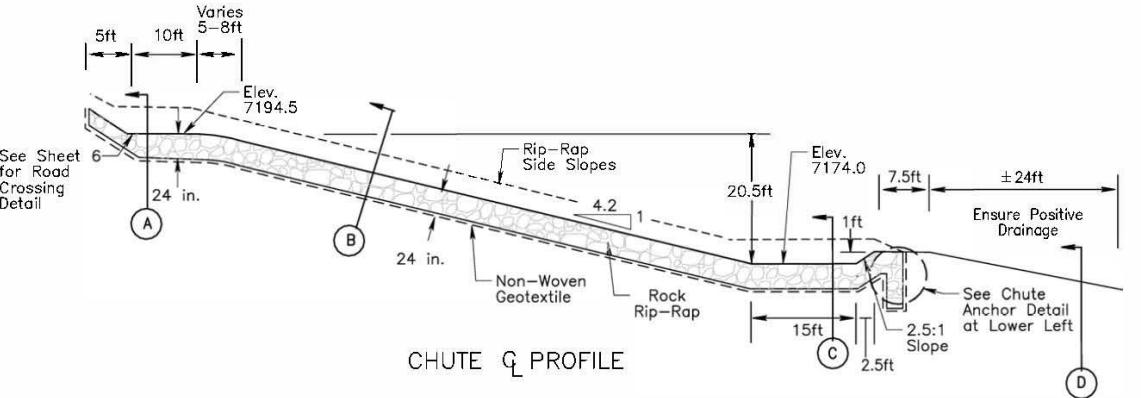
TYPICAL CROSS SECTIONS
(NOT TO SCALE)



CHUTE ANCHOR DETAIL
(NOT TO SCALE)



CHUTE FINISH DETAIL
(NOT TO SCALE)



SITE LAYOUT WILL BE CONDUCTED BY NCD STAFF IN THE FIELD.
ROCK-LINED CHUTE
PLAN & PROFILE VIEW
(NOT TO SCALE)

Natural
Channel
Design, Inc

2900 N. West St. Suite #5
Flagstaff, Arizona 86004
(928) 774-2336

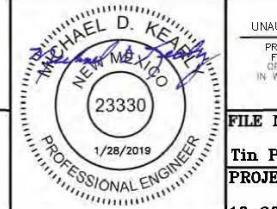
DRAWN BY: D. HALLORAN & J. FLEISHMAN

DESIGNED BY: M. KEARLY

REV DATE BY REVISION

DETAIL: Rock Chute

Tin Pan Canyon
Headcut Stabilization Project



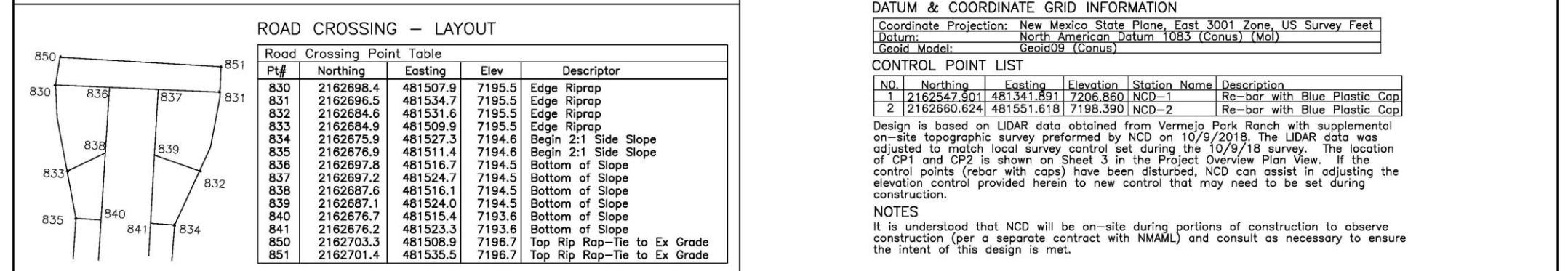
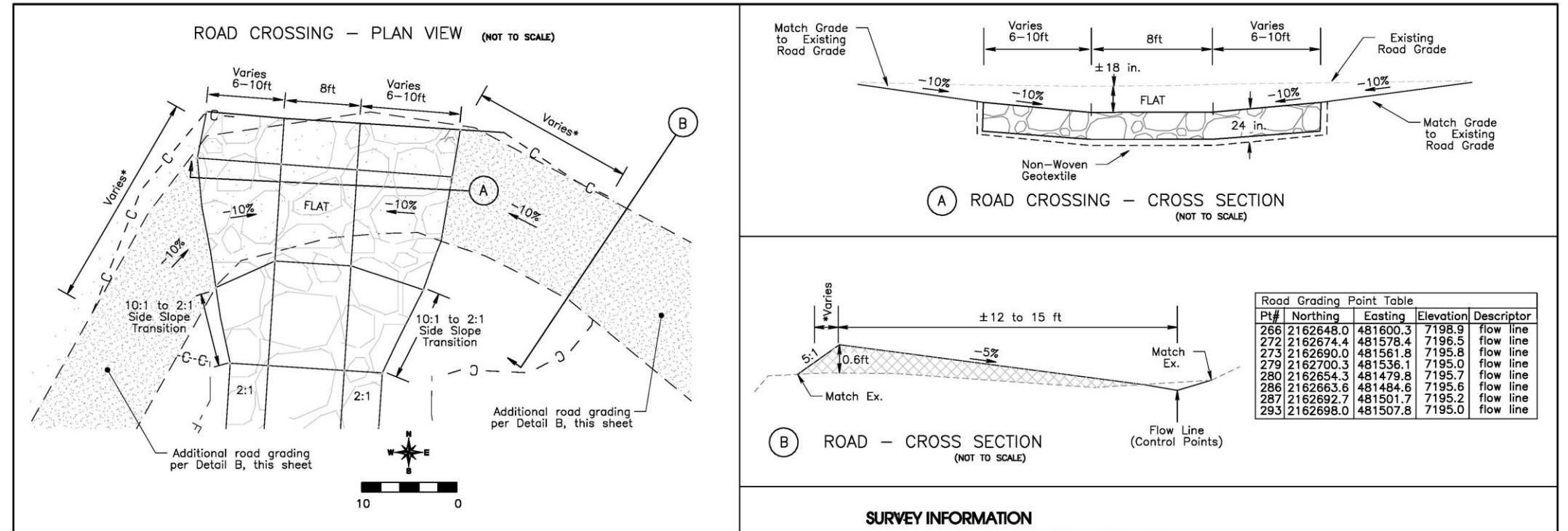
UNAUTHORIZED CHANGES & USES THE ENGINEER
PREPARING THESE PLANS, WILL NOT BE RESPONSIBLE
FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES
TO OR USES OF THESE PLANS. ALL CHANGES MUST BE
IN WRITING AND MUST BE APPROVED BY THE PREPARED
OF THESE PLANS.

**DIAL 811
BEFORE
YOU DIG**

FILE NAME: Tin Pan DATE: 01-28-2019

PROJECT NO: SHEET: 5A of 7

18-306NM



Natural Channel Design, Inc

DRAWN BY: D. HALLORAN & J. FLEISHMAN

DESIGNED BY: M. KEARLY

REV DATE BY REVISION

Road Crossing Overview & Layout

Tin Pan Canyon Headcut Stabilization Project

UNAUTHORIZED CHANGES & USES THE ENGINEER

PREPARING THESE PLANS WILL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARE OF THESE PLANS.

DIAL 811 BEFORE YOU DIG

FILE NAME: DATE: 01-28-2019

Tin Pan

PROJECT NO: SHEET: 6A of 7

PROFESSIONAL ENGINEER

1/28/2019

23330

NEW MEXICO

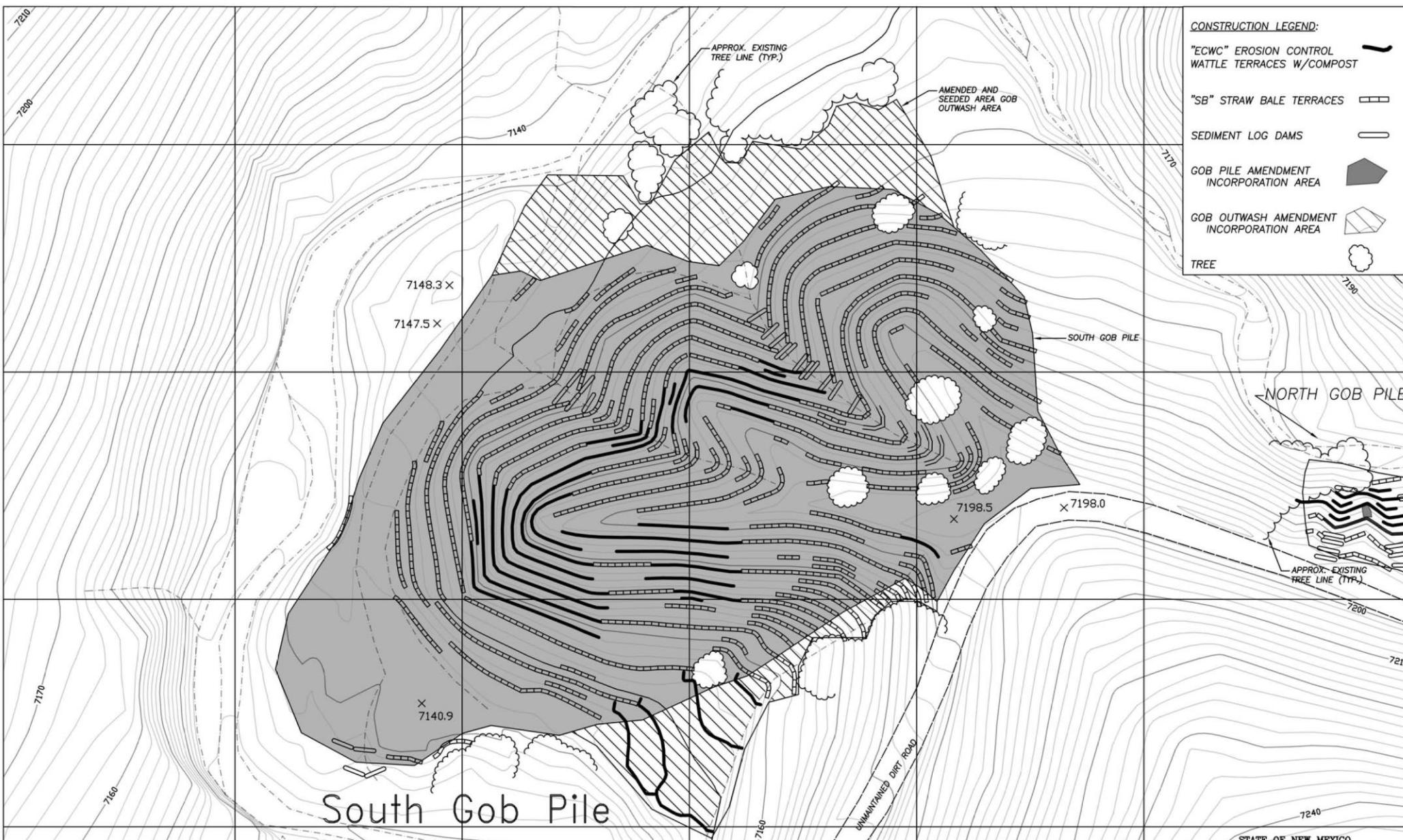
18-308NM

September 2020





September 2020



- 1) THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS BASED ON FIELD SURVEY DATA PROVIDED BY SURVEYING CONTROL, INC., ALBUQUERQUE, NEW MEXICO.
- 2) AERIAL PHOTOGRAPHY EXPOSED ON APRIL 23, 2002 BY PACIFIC WESTERN TECHNOLOGIES, LTD., ALBUQUERQUE, NEW MEXICO, UTILIZING A ZEISS RMK A 15/23 AERIAL MAPPING CAMERA WITH A CALIBRATED FOCAL LENGTH OF 153.188 MM.
- 3) CONTOUR/PLANIMETRIC BASE MAPPING AND RELATED DIGITAL FILES PRODUCED BY THOMAS R. MANN & ASSOCIATES, INC., ALBUQUERQUE, NEW MEXICO.

4) 500' GRID BASED ON FIELD SURVEY DATA FURNISHED BY SURVEYING CONTROL, INC., ALBUQUERQUE, NEW MEXICO. THE HORIZONTAL COORDINATES ARE NEW MEXICO STATE PLANE COORDINATES - EAST ZONE, NAD 83 (GARNO), AND HAVE BEEN ADJUSTED TO THE USGS TRIANGULATION STATION 'R 20'. TO OBTAIN TRUE STATE PLANE GRID COORDINATES, MULTIPLY BY $C_F = 0.999573209$. THE ELEVATIONS ARE REFERRED TO SEA LEVEL, NAVD 88, AND HAVE BEEN ADJUSTED TO 'R 20' AS WELL.

STATE OF NEW MEXICO
ABANDONED MINE LAND PROGRAM
MINING AND MINERALS DIVISION
NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT

SCALE: NOT TO SCALE
DATE: 12/18/2019

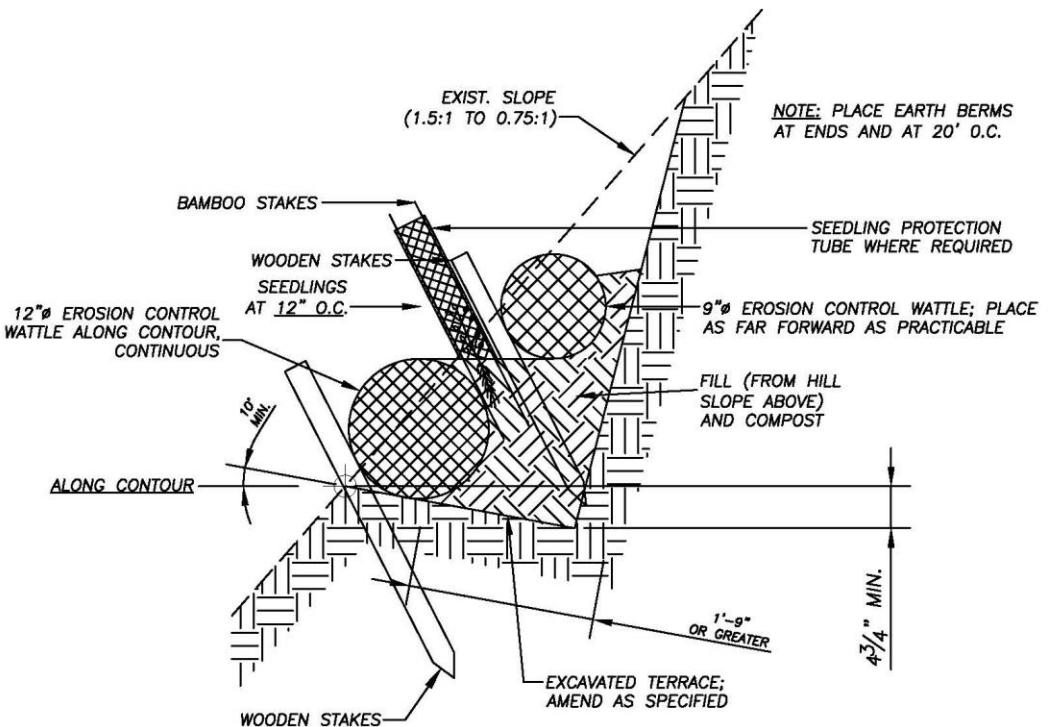
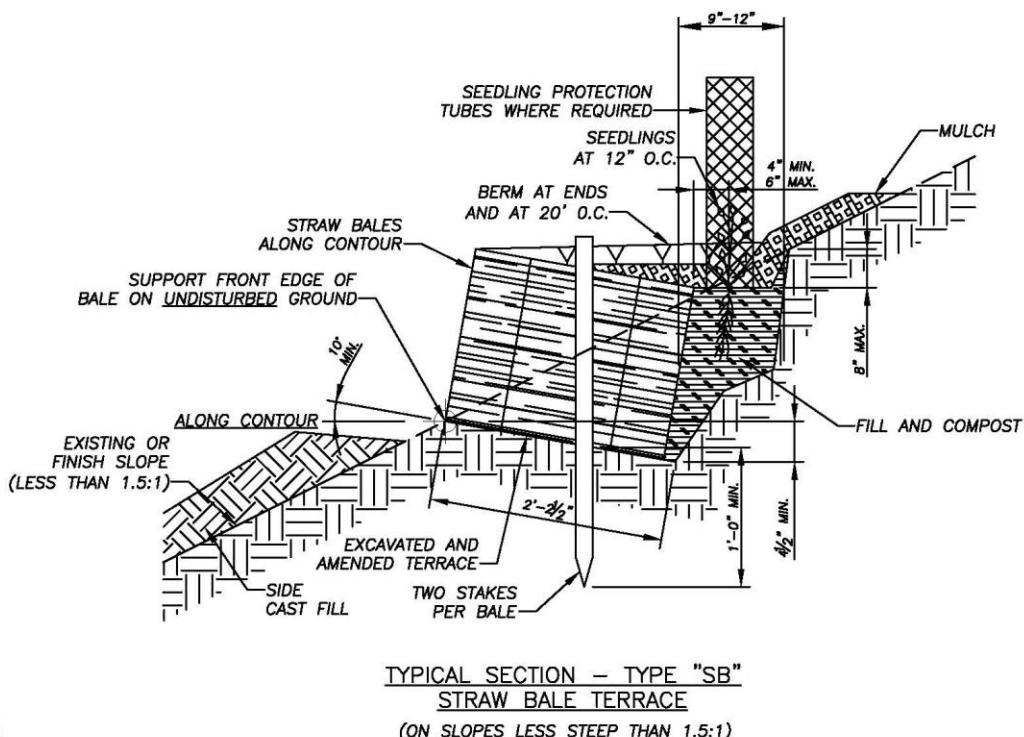


DRAWN BY: JAK
REVISED BY: YM

TIN PAN CANYON SOUTH GOB PILE PLAN VIEW

FILE: TIN PAN CANYON GOB RECLAMATION PROJECT

FIGURE: 3



October 2020



October 2020



October 2020



October 2020







November 2020





November 2020



November 2020

January 2021



February 2021



March 2021





July 2021

July 2023



August 2022



August 2022



August 2022





July 2023



July 2023

July 2023

