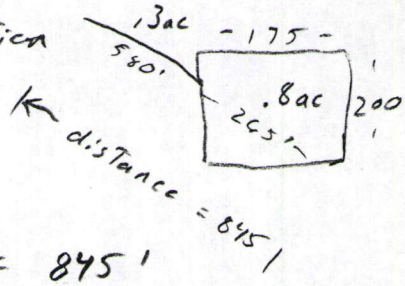
Levan Chicken Creek Mine – (West side of west Pit)

Access Road + part of pad.

Area of water collection



Distance for Tc = 845'

Average velocity of overland flow on bare ground + 5% slope

= 2 ft/sec (SCS graph)

$$Tc = 845 \left(\frac{1\ sec}{2\ ft}\right) = 422.5\ sec = 7.04\ min$$

calculate runoff

$Q = CiA$ use $C = 0.30$
$A = 1.1$ Acres
$i = 3.132$ in/hr

$Q = 0.30(3.132\ in/hr)(1.1\ acres)$
$= 3.7452$ cfs

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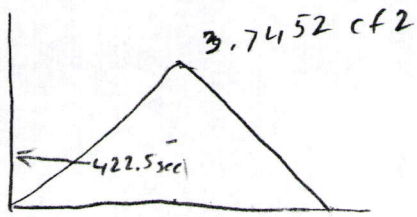
Total Runoff



$$V = 3.7452\ \frac{ft^3}{sec}(422.5\ sec.) = 1,582.35\ ft^3 = 58.6\ cy$$

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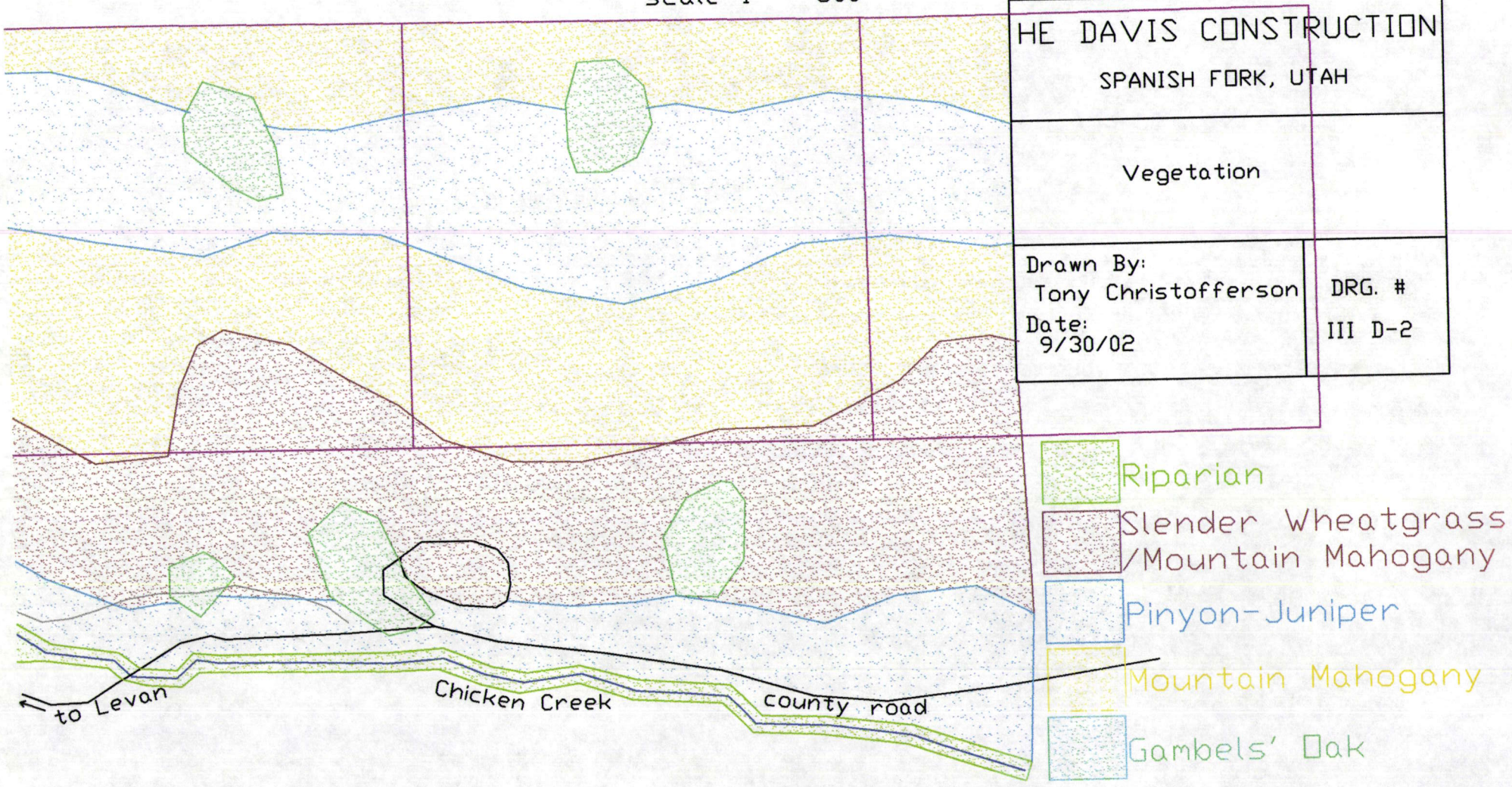
HE DAVIS
LEVAN CHICKEN CREEK (East)

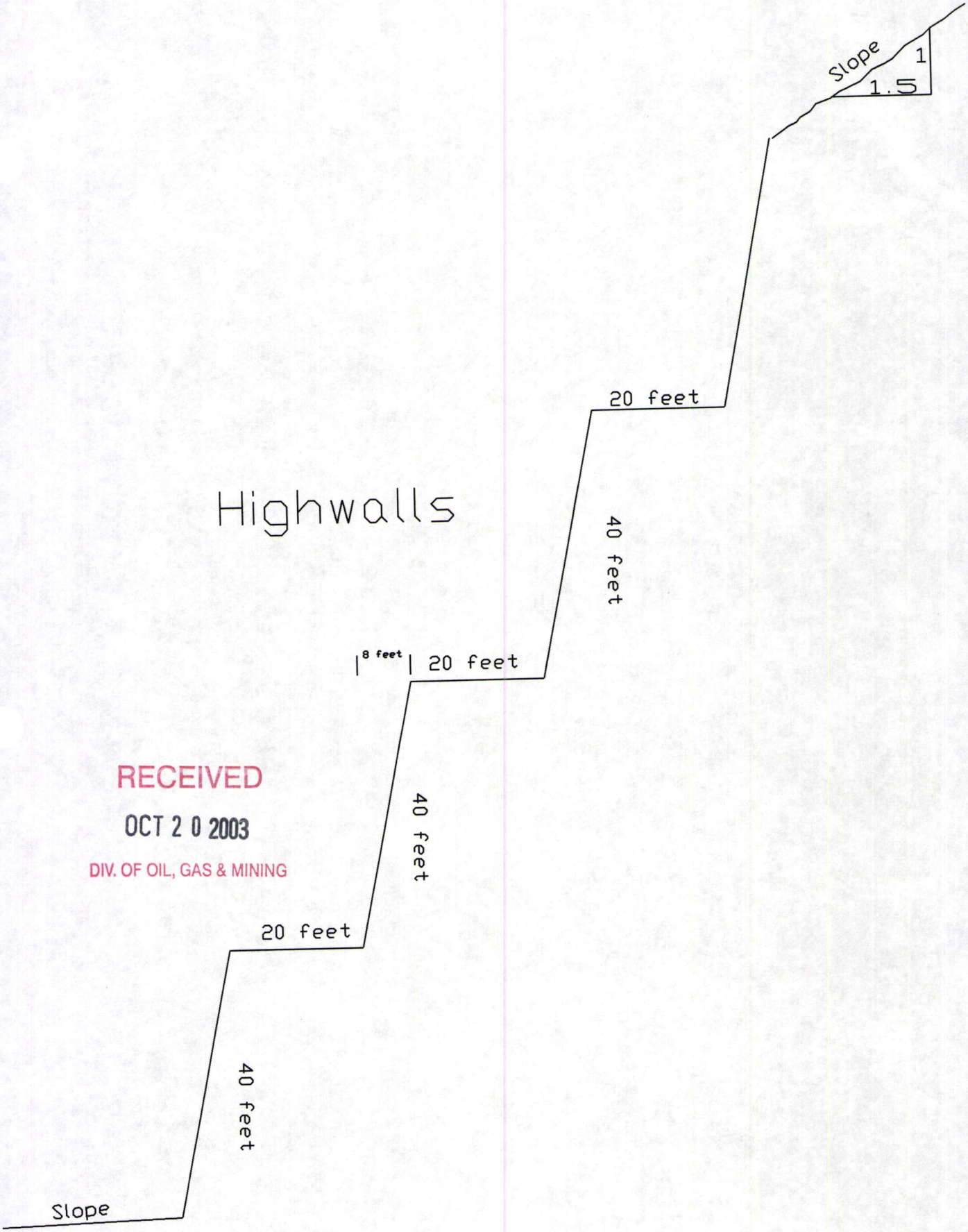
scale 1" = 500'

N

VEGETATION MAP of LEVAN CHICKEN CREEK	
HE DAVIS CONSTRUCTION SPANISH FORK, UTAH	
Vegetation	
Drawn By: Tony Christofferson Date: 9/30/02	DRG. # III D-2



Highwalls



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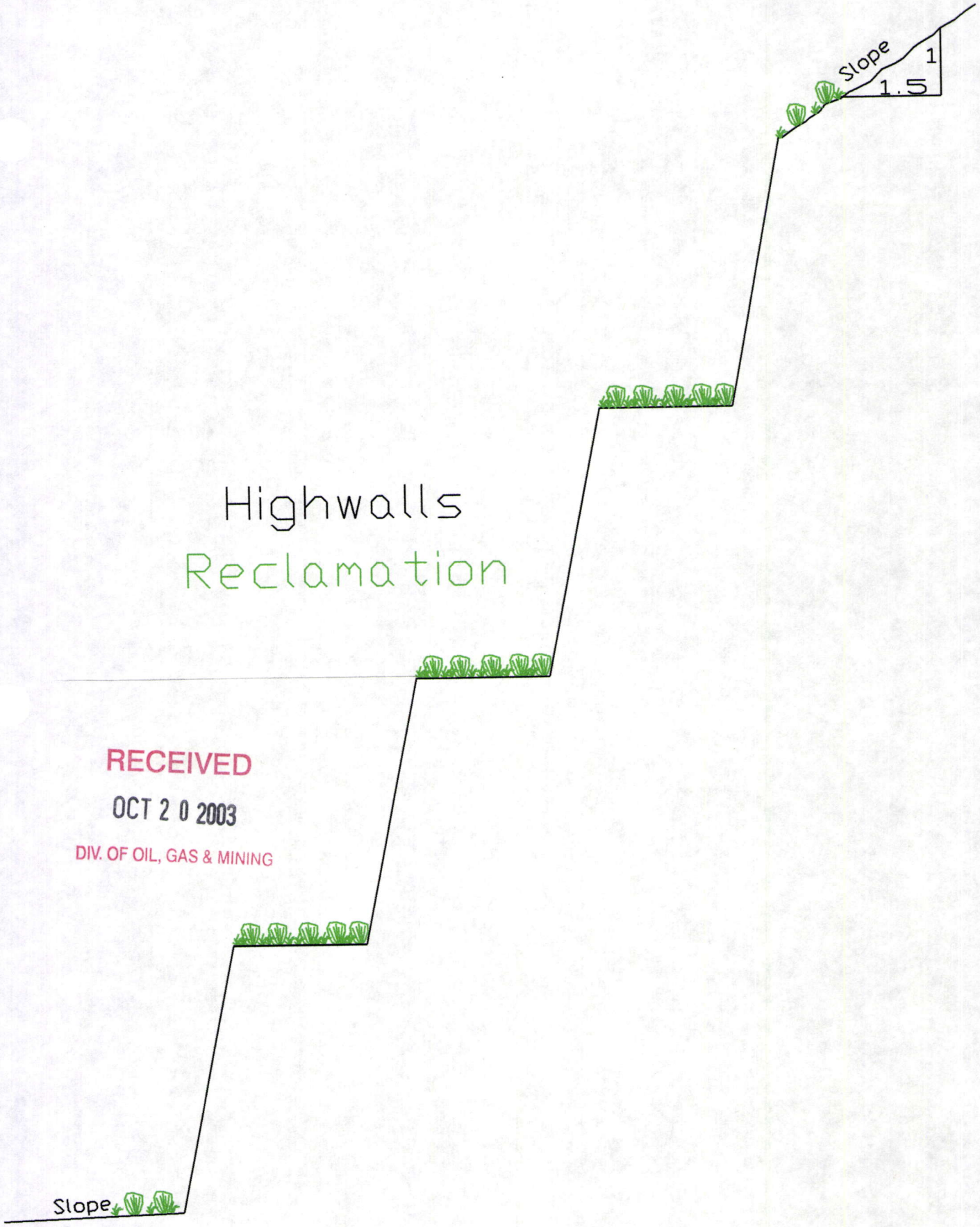

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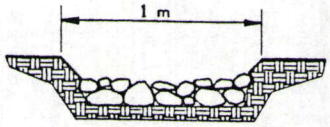
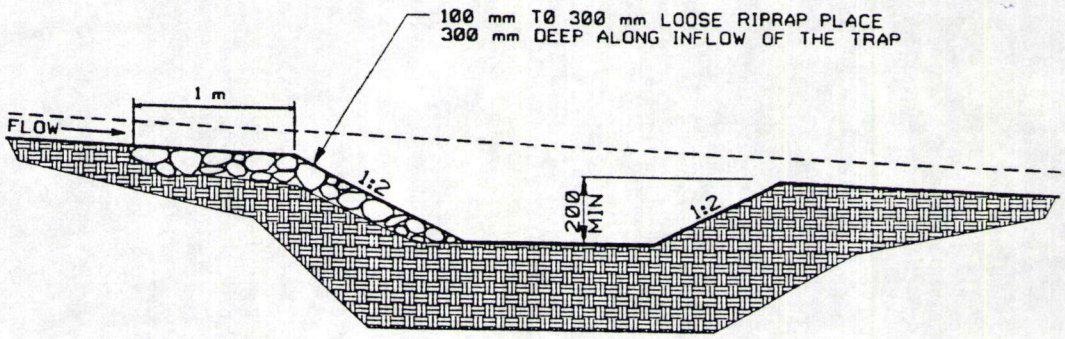
SEDIMENT TRAP



SECTION A - A



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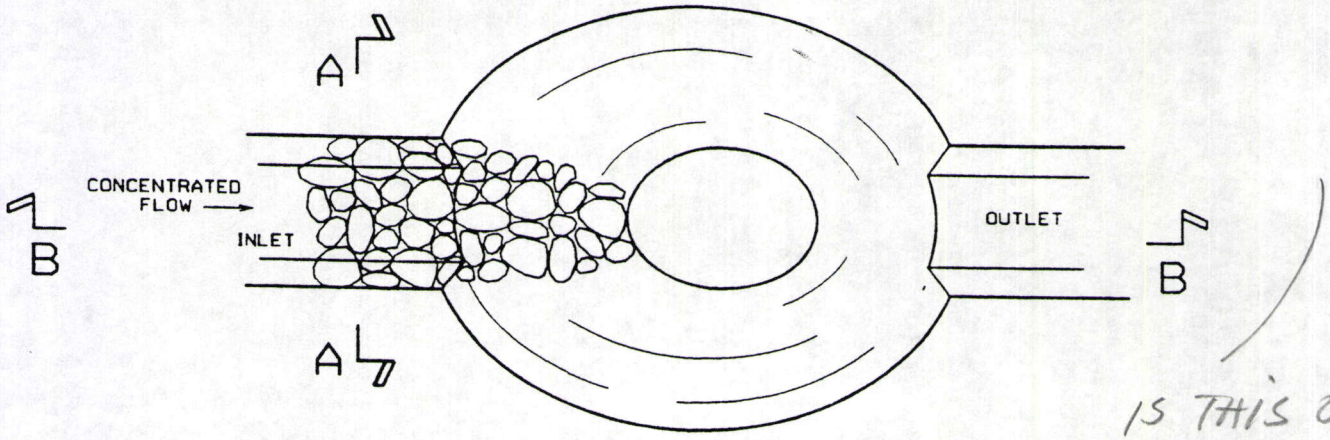
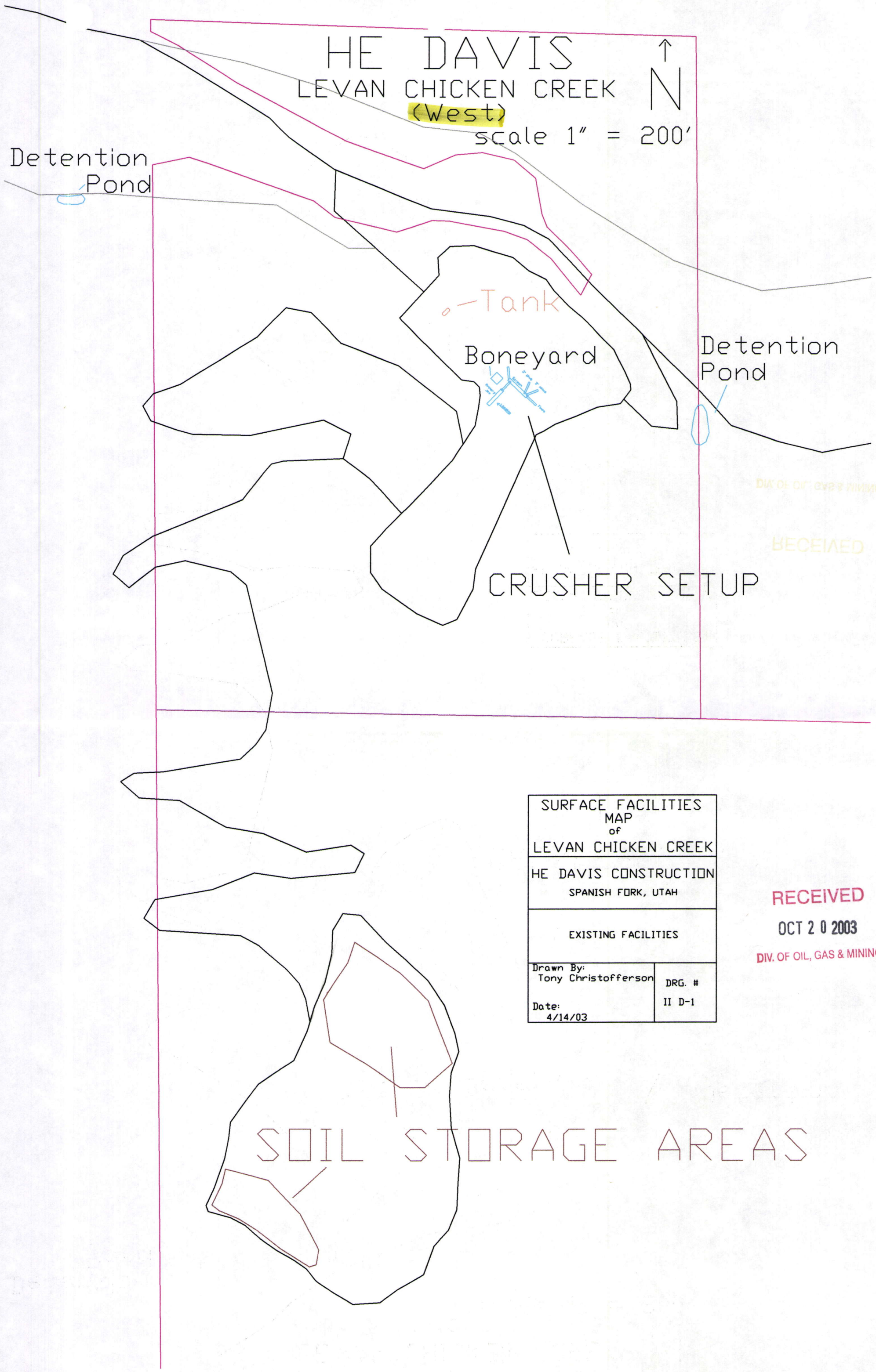
SECTION B - B



IS THIS ON ALL ROAD LOCATIONS?

PLAN VIEW



SURFACE FACILITIES MAP of LEVAN CHICKEN CREEK	
HE DAVIS CONSTRUCTION SPANISH FORK, UTAH	
EXISTING FACILITIES	
Drawn By: Tony Christofferson Date: 4/14/03	DRG. # II D-1

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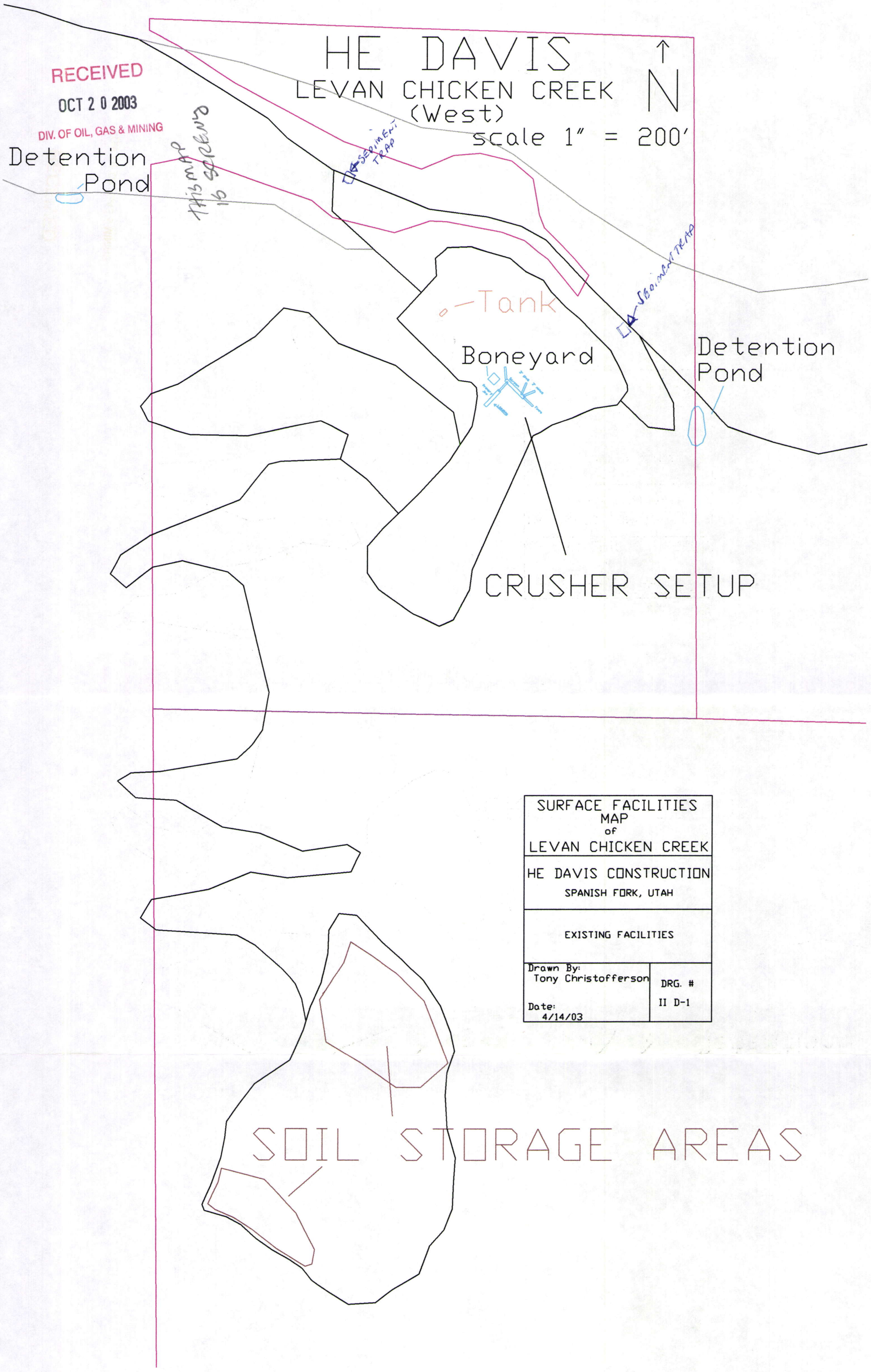

HE DAVIS CONSTRUCTION
CHICKEN CREEK MINE
Vicinity Map

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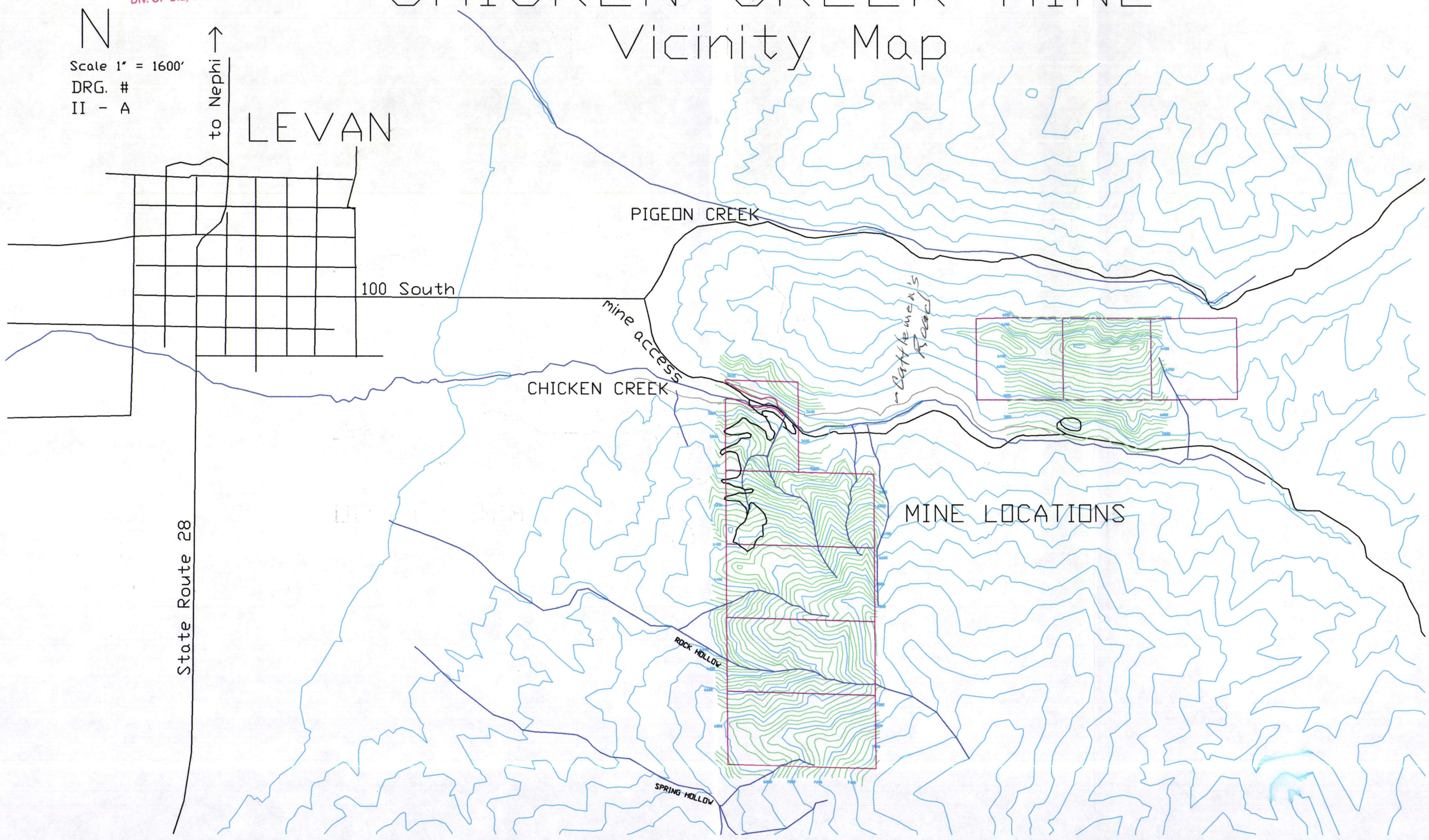

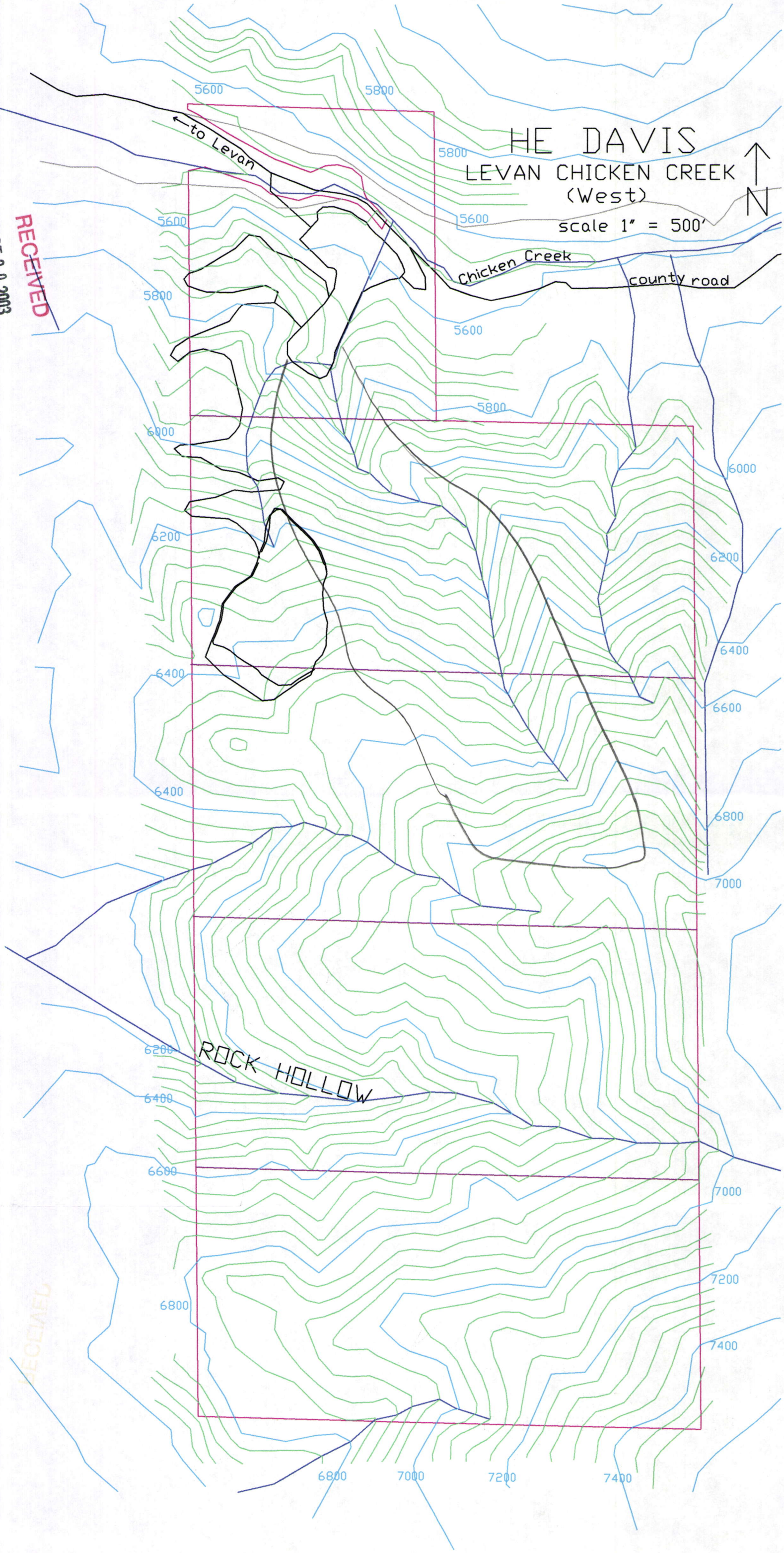

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This page is a reference page used to track documents internally for the Division of Oil, Gas and Mining

Mine Permit Number M0230016 Mine Name Levan Gypsum
Operator Geneva Rock Date 10-20-2003
TO _____ FROM _____

__CONFIDENTIAL __BOND CLOSURE __LARGE MAPS X EXPANDABLE
__MULTIPUL DOCUMENT TRACKING SHEET __NEW APPROVED NOI
__AMENDMENT _OTHER _____

Description YEAR-Record Number

__NOI X Incoming __Outgoing __Internal __Superceded

Drawings

___NOI __Incoming __Outgoing __Internal __Superceded

__NOI __Incoming __Outgoing __Internal __Superceded

__NOI __Incoming __Outgoing __Internal __Superceded

__TEXT/ 81/2 X 11 MAP PAGES __11 X 17 MAPS __LARGE MAP

COMMENTS: _____

CC: _____