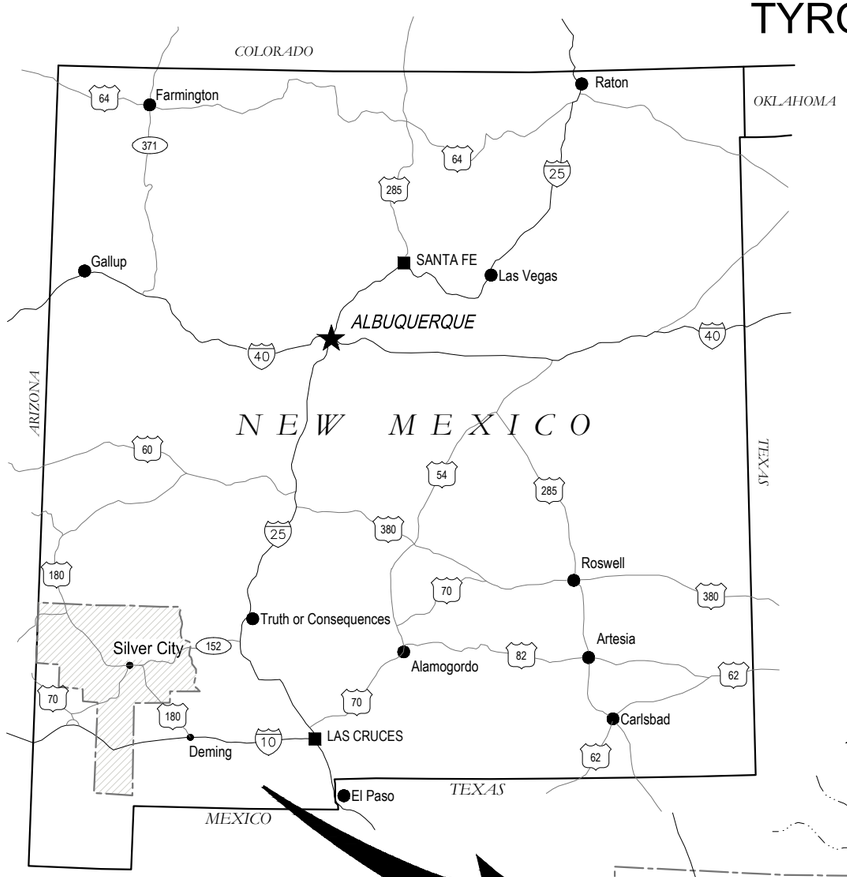
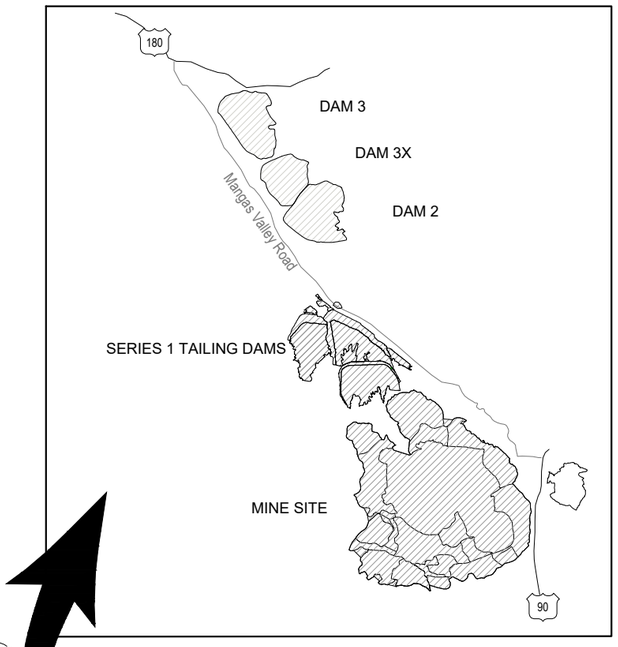
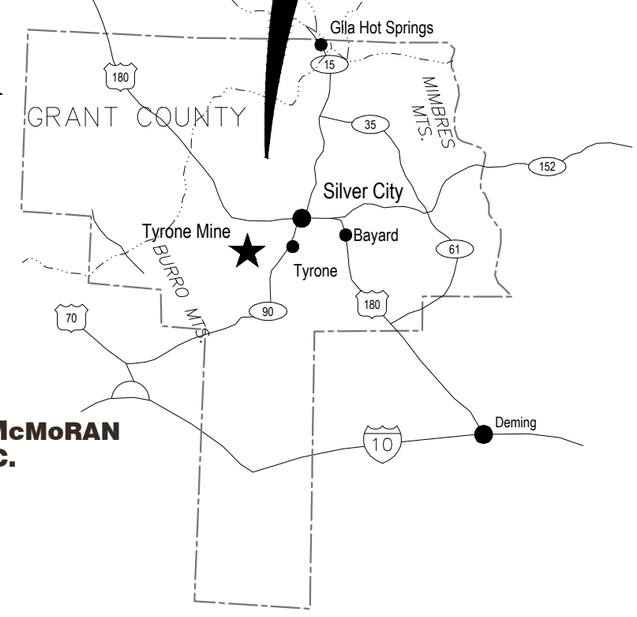
APPENDIX A
TYRONE MINE SITE CLOSURE CLOSEOUT PLAN

MAY 2019
Rev. 2- Revised Bond Calculation







PREPARED FOR:

FREEPORT-McMoRAN TYRONE, INC.

LIST OF DRAWINGS

DRAWING NO.	DRAWING TITLE
1.	COVER SHEET
2.	MINE SITE - OVERALL
3.	OVERALL GRADING SITE PLAN
4.	Nos. 1A AND1B LEACH STOCKPILES AND 1C WASTE - 2014 CONFIGURATION
5.	Nos. 1A AND 1B LEACH STOCKPILES AND 1C WASTE - GRADING AND DRAINAGE PLAN
6.	Nos. 1A AND 1B LEACH STOCKPILES AND 1C WASTE - CUT/FILL ISOPACH MAP
7.	Nos. 1A AND 1B LEACH STOCKPILES AND 1C WASTE - CROSS SECTIONS
8.	Nos. 2A, 2B LEACH AND 2B WASTE STOCKPILES - 2014 CONFIGURATION
9.	Nos. 2A, 2B LEACH AND 2B WASTE STOCKPILES - GRADING AND DRAINAGE PLAN
10.	Nos. 2A, 2B LEACH AND 2B WASTE STOCKPILES - CUT/FILL ISOPACH MAP
11.	Nos. 2A, 2B LEACH AND 2B WASTE STOCKPILES - CROSS SECTIONS
12.	Nos. 2C, 4A, 4B, 4C, 7B LEACH STOCKPILES, SOUTH RIM PIT AND SAN SALVADOR PITS - 2014 CONFIGURATION
13.	Nos. 2C, 4A, 4B, 4C, 7B LEACH STOCKPILES, SOUTH RIM AND SAN SALVADOR PITS - GRADING AND DRAINAGE PLAN
14.	Nos. 2C, 4A, 4B, 4C, 7B LEACH STOCKPILES, SOUTH RIM AND SAN SALVADOR PITS - CUT/FILL ISOPACH MAP
15.	Nos. 2C, 4A, 4B, 4C, 7B LEACH STOCKPILES, SOUTH RIM AND SAN SALVADOR PITS - CROSS SECTIONS
16.	No. 3A LEACH AND 3B WASTE STOCKPILES - 2014 CONFIGURATION
17.	No. 3A LEACH AND 3B WASTE STOCKPILES - GRADING AND DRAINAGE PLAN
18.	No. 3A LEACH AND 3B WASTE STOCKPILES - CUT/FILL ISOPACH MAP
19.	No. 3A LEACH AND 3B WASTE STOCKPILES - CROSS SECTIONS - 1
20.	No. 3A LEACH AND 3B WASTE STOCKPILES - CROSS SECTIONS - 2
21.	No. 5A OVER BURDEN STOCKPILE - 2014 CONFIGURATION
22.	No. 5A OVER BURDEN STOCKPILE - GRADING AND DRAINAGE PLAN
23.	No. 5A OVER BURDEN STOCKPILE - CUT/FILL ISOPACH MAP
24.	No. 5A OVER BURDEN STOCKPILE - CROSS SECTIONS
25.	Nos. 6B, 6C, AND SAVANNA IN-PIT LEACH STOCKPILES - 2014 CONFIGURATION
26.	Nos. 6B, 6C, AND SAVANNA IN-PIT LEACH STOCKPILES - GRADING AND DRAINAGE
27.	Nos. 6B, 6C, AND SAVANNA IN-PIT LEACH STOCKPILES - CUT/FILL ISOPACH MAP
28.	Nos. 6B, 6C, AND SAVANNA IN-PIT LEACH STOCKPILES - CROSS SECTIONS
29.	No. 9A OVER BURDEN STOCKPILE - 2014 CONFIGURATION
30.	No. 9A OVER BURDEN STOCKPILE - GRADING AND DRAINAGE
31.	No. 9A OVER BURDEN STOCKPILE - CUT/FILL ISOPACH MAP
32.	No. 9A OVER BURDEN STOCKPILE - CROSS SECTIONS
33.	DRAINAGE DETAILS
34.	HAUL ROUTE MAP

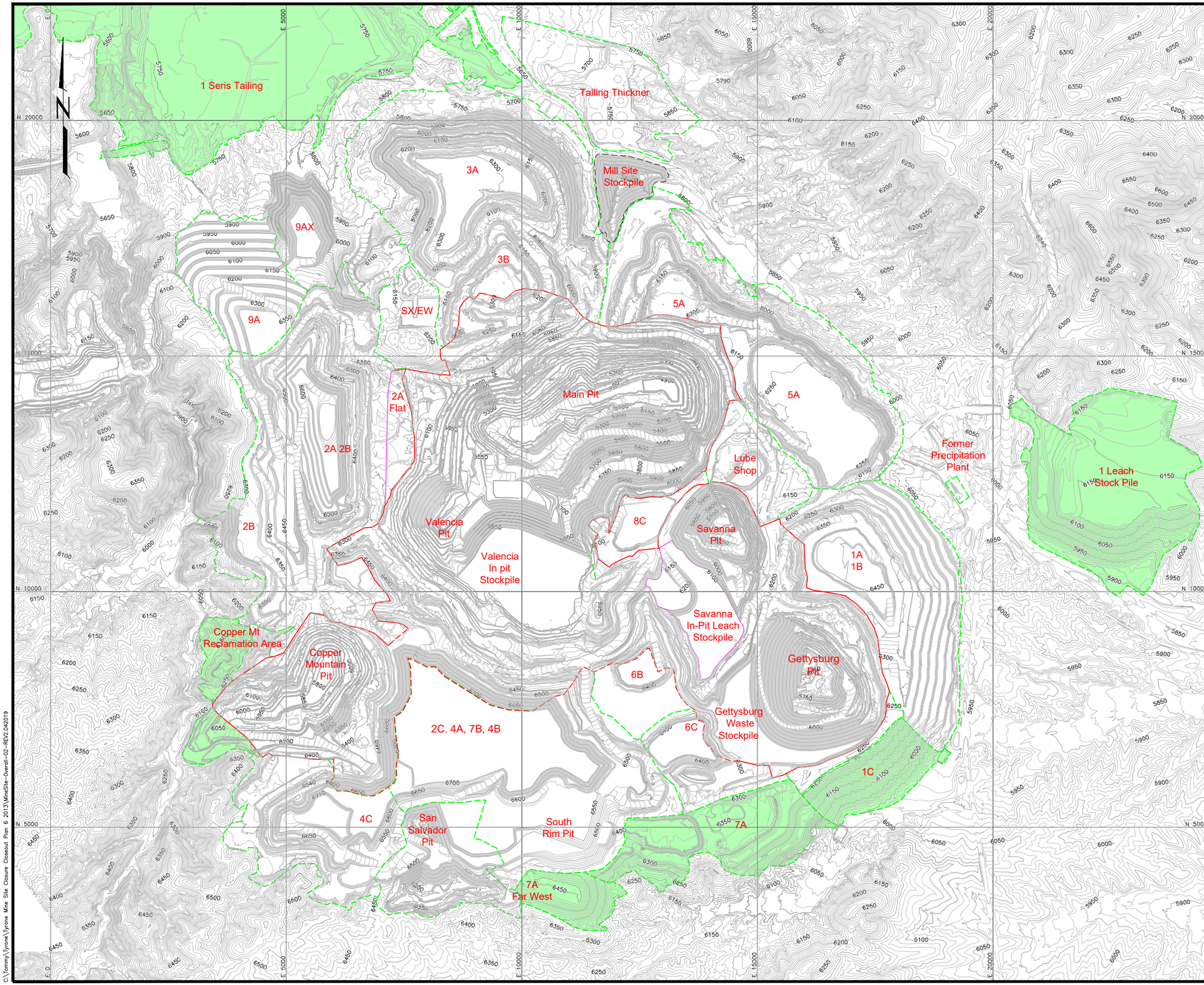
PREPARED BY:

Stantec

DENVER, CO

DRAWING No.:	REV.
1	2

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Cover-Sheet-01-REV1 042019



LEGEND

- 6250 — EXISTING CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- STOCKPILE LIMITS

SCALE
1000' 0 1000' 2000'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATIONS	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: MINE SITE - OVERALL

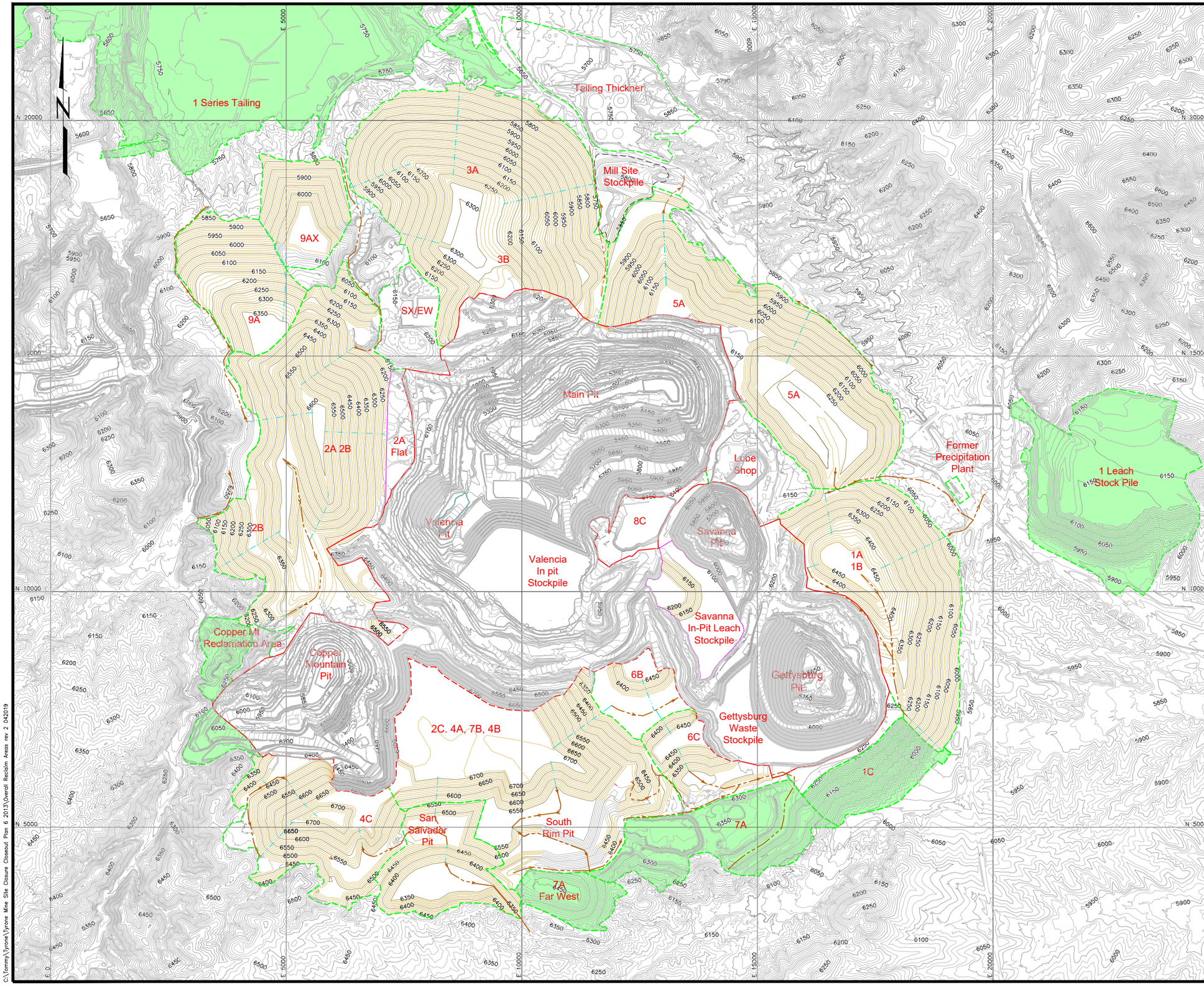
Stantec

Sheet 2 Of 34 Sheets

SCALE: 1"=1000'

DRAWING No. 2

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\MineSite-Overall-02-REV2.042019



LEGEND

- 6250 EXISTING CONTOURS
- 6250 REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- INTERIOR FLAT AREAS
- BENCH CHANNEL
- DOWNDRAIN
- STOCKPILE LIMITS
- RECLAIMED AREAS (2019)

SCALE
1000' 0 1000' 2000'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATIONS	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	8/14	T .IEIDICH	T .Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

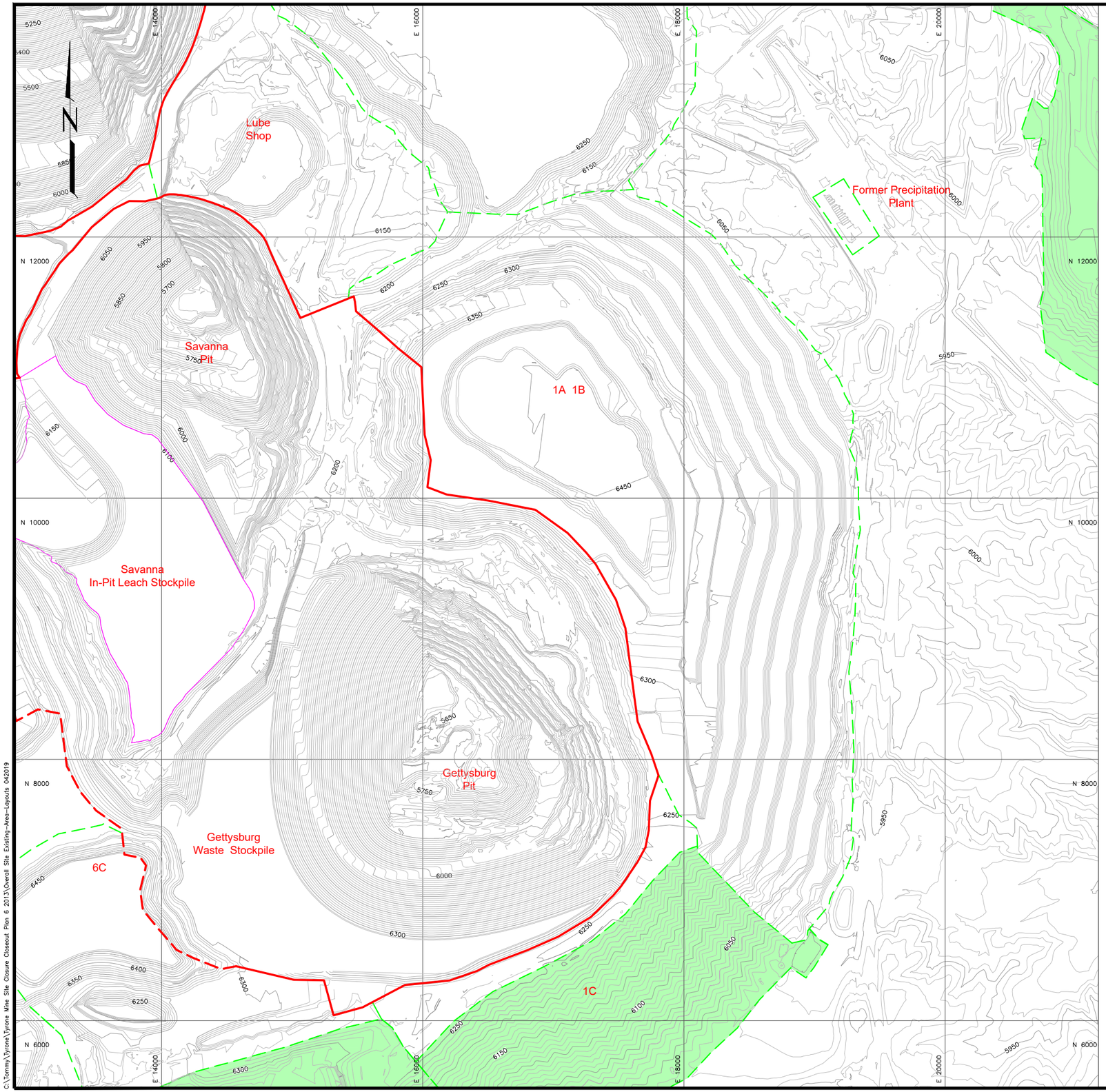
PROJECT:
TYRONE MINE AREA RECLAMATION

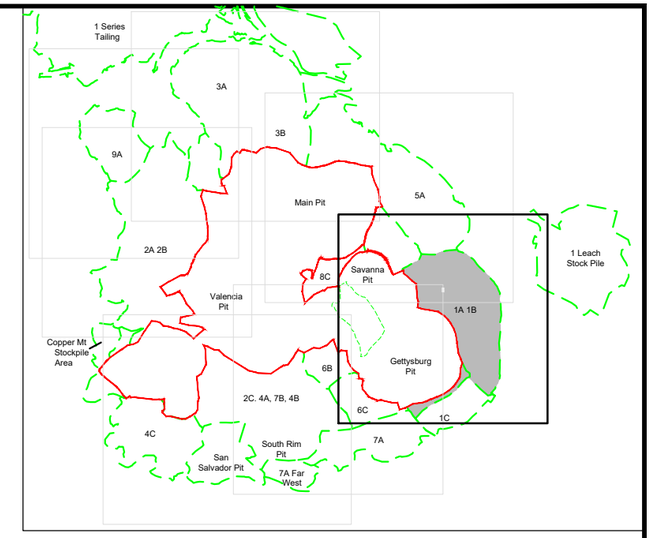
DRAWING TITLE:
OVERALL GRADING SITE PLAN

Stantec

Sheet 3 Of 34 Sheets
SCALE: 1"=1000'
DRAWING No. 3

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Reclaim Areas rev 2 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- LIMITS OF STOCKPILE

SCALE
400' 0 400' 800'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	05/19	T. Leidich	T. Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT:
TYRONE MINE AREA RECLAMATION

DRAWING TITLE:
Nos. 1A AND 1B LEACH STOCKPILES AND 1C WASTE -2014 CONFIGURATION

Stantec

Sheet 4 Of 34 Sheets
SCALE: 1"=400'
DRAWING No. 4

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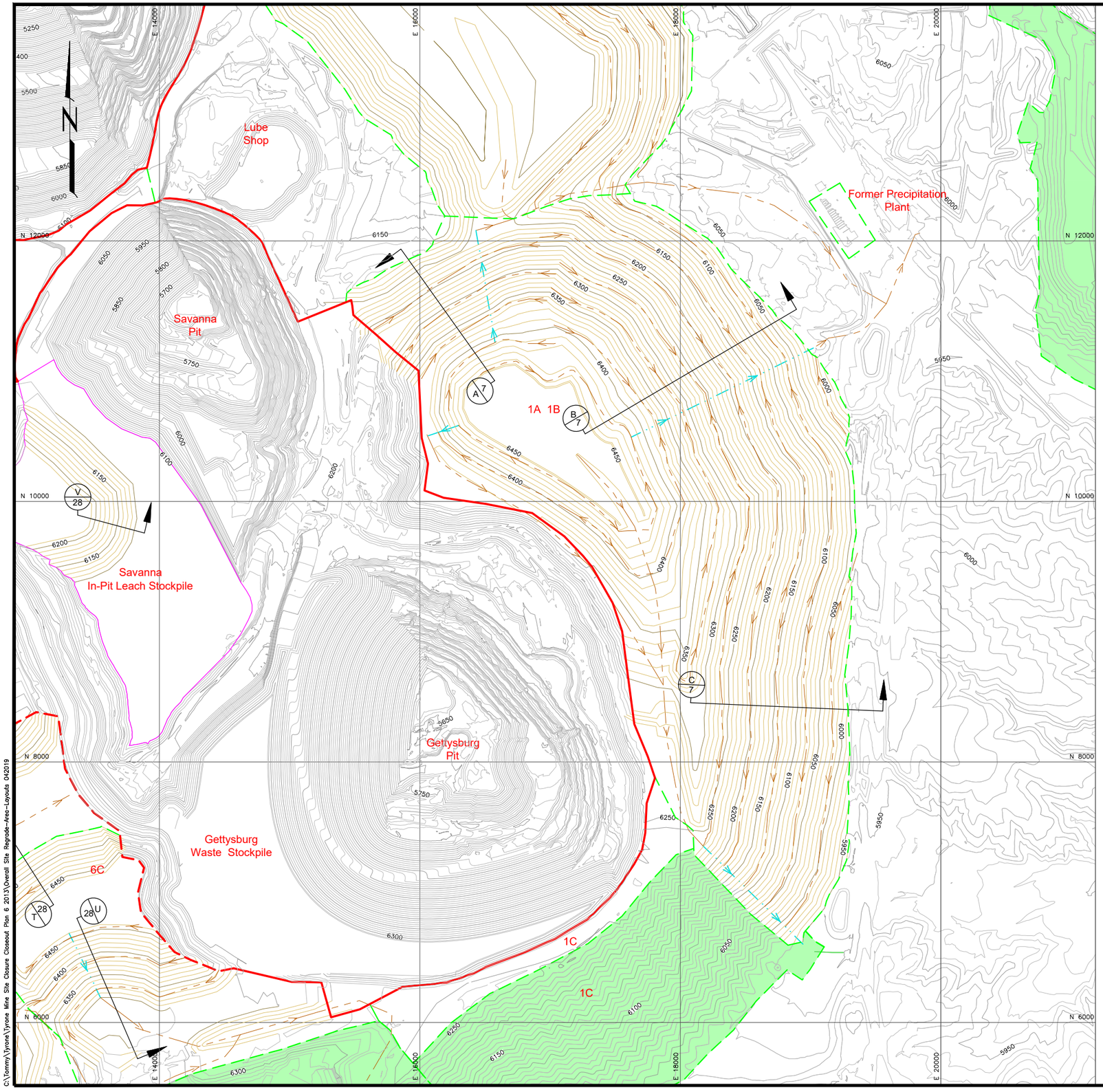
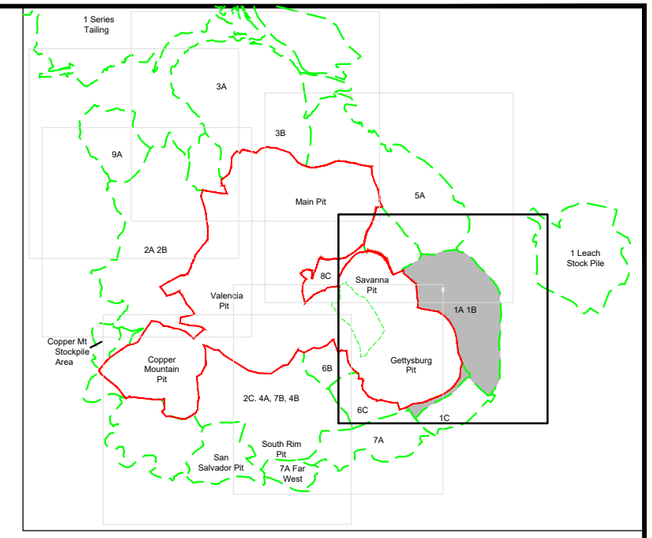




KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 6250 — REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- STOCKPILE LIMITS
- DOWNDRAIN
- BENCH CHANNEL
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- A / 8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN

SCALE
400' 0 400' 800'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: Nos. 1A, 1B LEACH STOCKPILES AND 1C WASTE - GRADING AND DRAINAGE PLAN

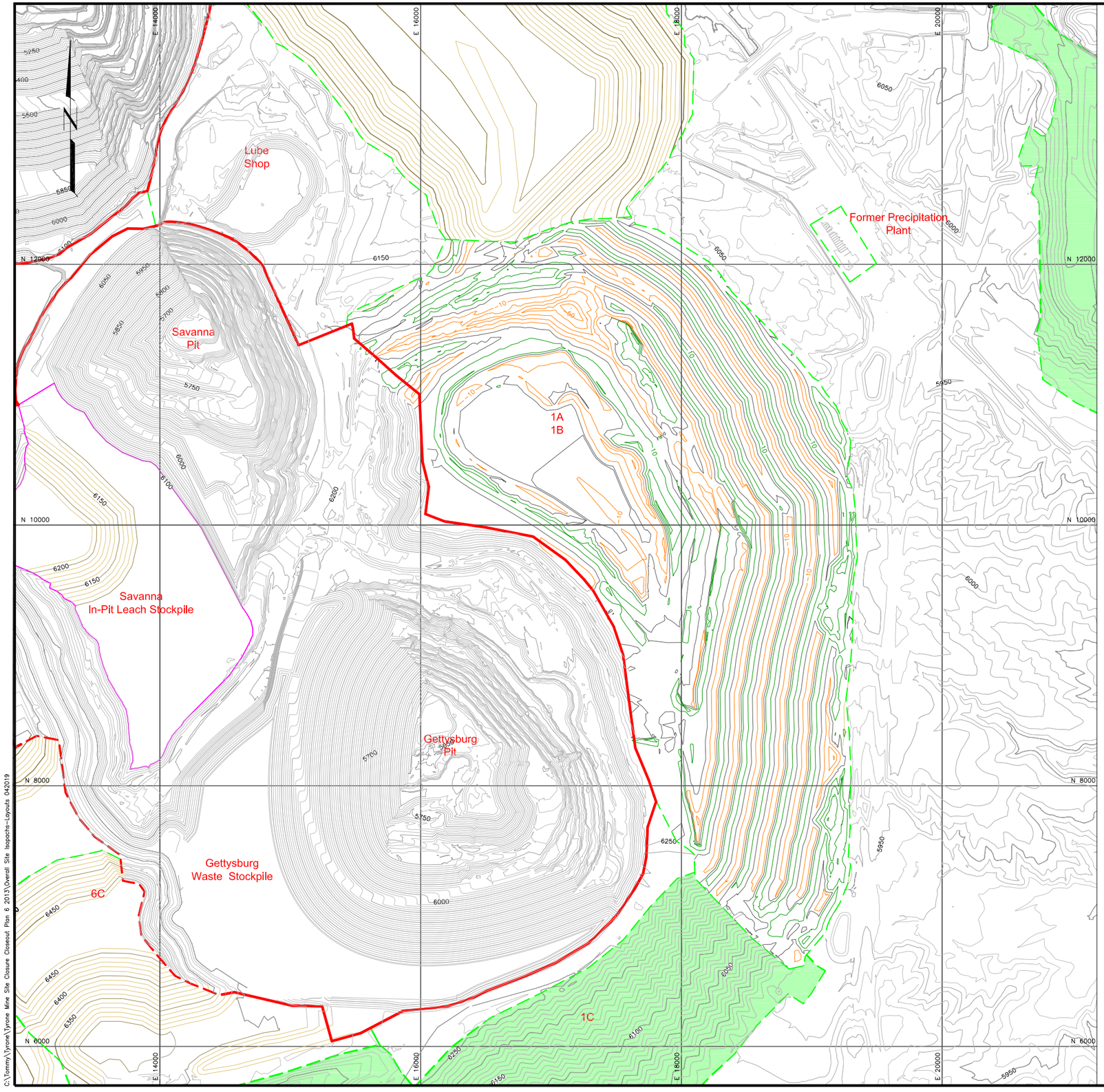
Stantec

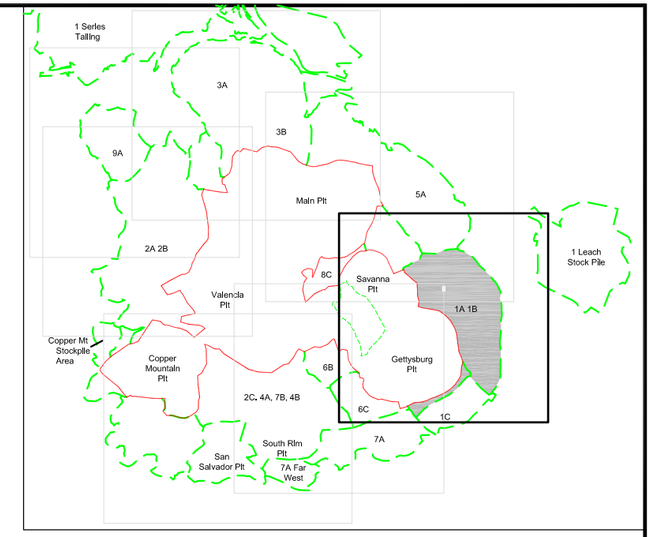
Sheet 5 Of 34 Sheets

SCALE: 1"=400'

DRAWING No. 5

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Regrade-Area-Layouts 042019





KEY MAP

LEGEND

- 6250 EXISTING CONTOURS
- 6250 REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- CUT ISOPACH
- FILL ISOPACH
- ZERO ELEVATION ISOPACH
- INTERIOR FLAT AREA
- STOCKPILE LIMITS
- RECLAIMED AREAS (2019)

SCALE
400' 0 400' 800'

CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT:
TYRONE MINE AREA RECLAMATION

DRAWING TITLE:
Nos. 1A And 1B LEACH STOCKPILES AND 1C WASTE - CUT/FILL ISOPACH MAP

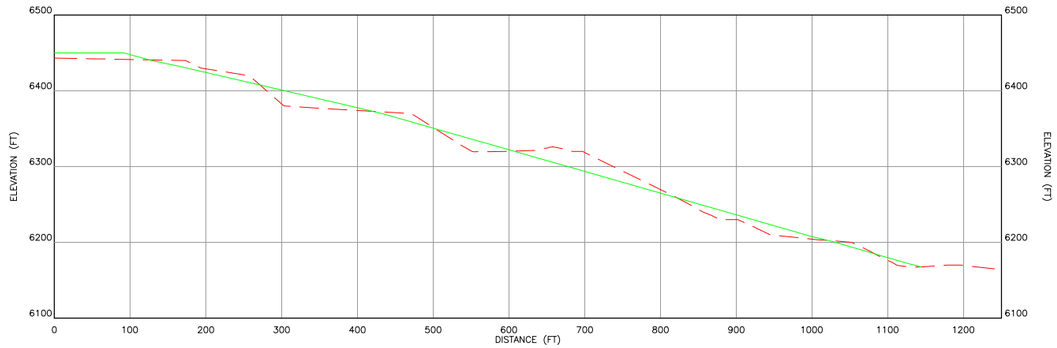
Stantec

Sheet 6 Of 34 Sheets

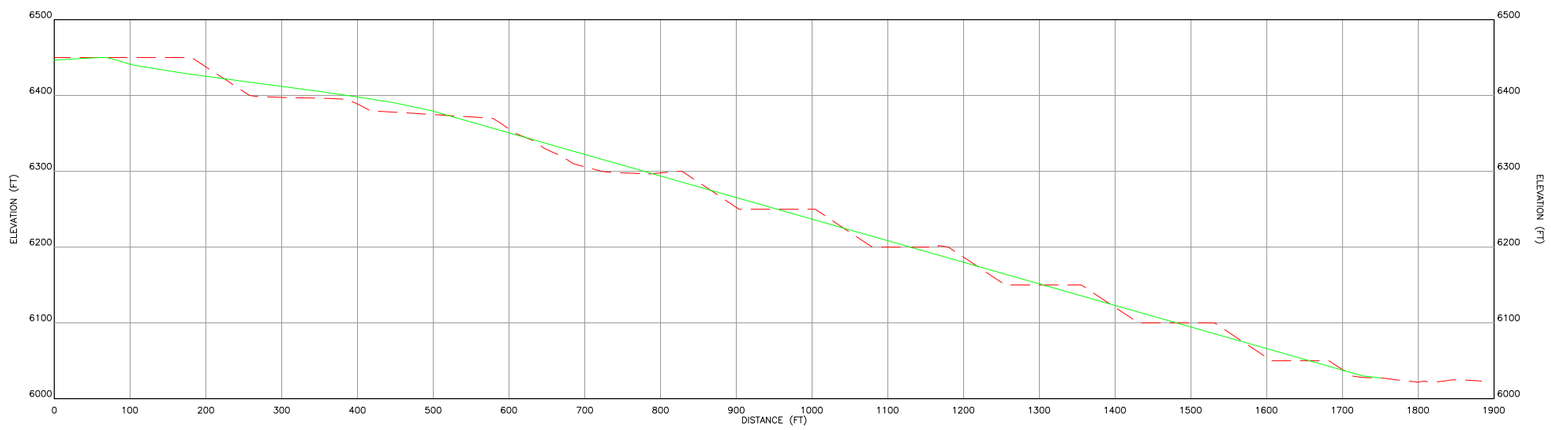
SCALE: 1"=400'

DRAWING No. 6

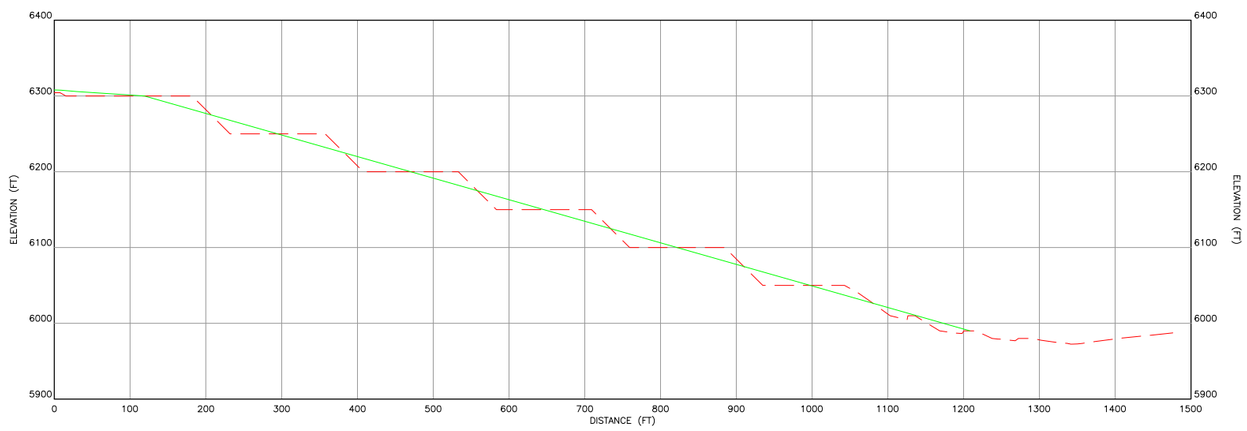
C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Isopachs-Layouts 042019



A/5 AREA 1A-1B - CROSS SECTION A



B/5 AREA 1A-1B - CROSS SECTION B



C/5 AREA 1A-1B - CROSS SECTION C

LEGEND

EXISTING GROUND SURFACE

REGRADE SURFACE

A/8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN

Note: The regrade surface shows the overall slope and does not show the terrace benchs that will be constructed on inter-bench outslope angles of 3H:1V at slope lengths no greater than 200'. For the typical final slope configuration refer to Drawing No. 33

SCALE
100' 0 100' 200'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
1	ISSUED FOR BOND CALCULATION	06/13	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: Nos. 1A, 1B LEACH STOCKPILES AND 1C WASTE - CROSS SECTIONS

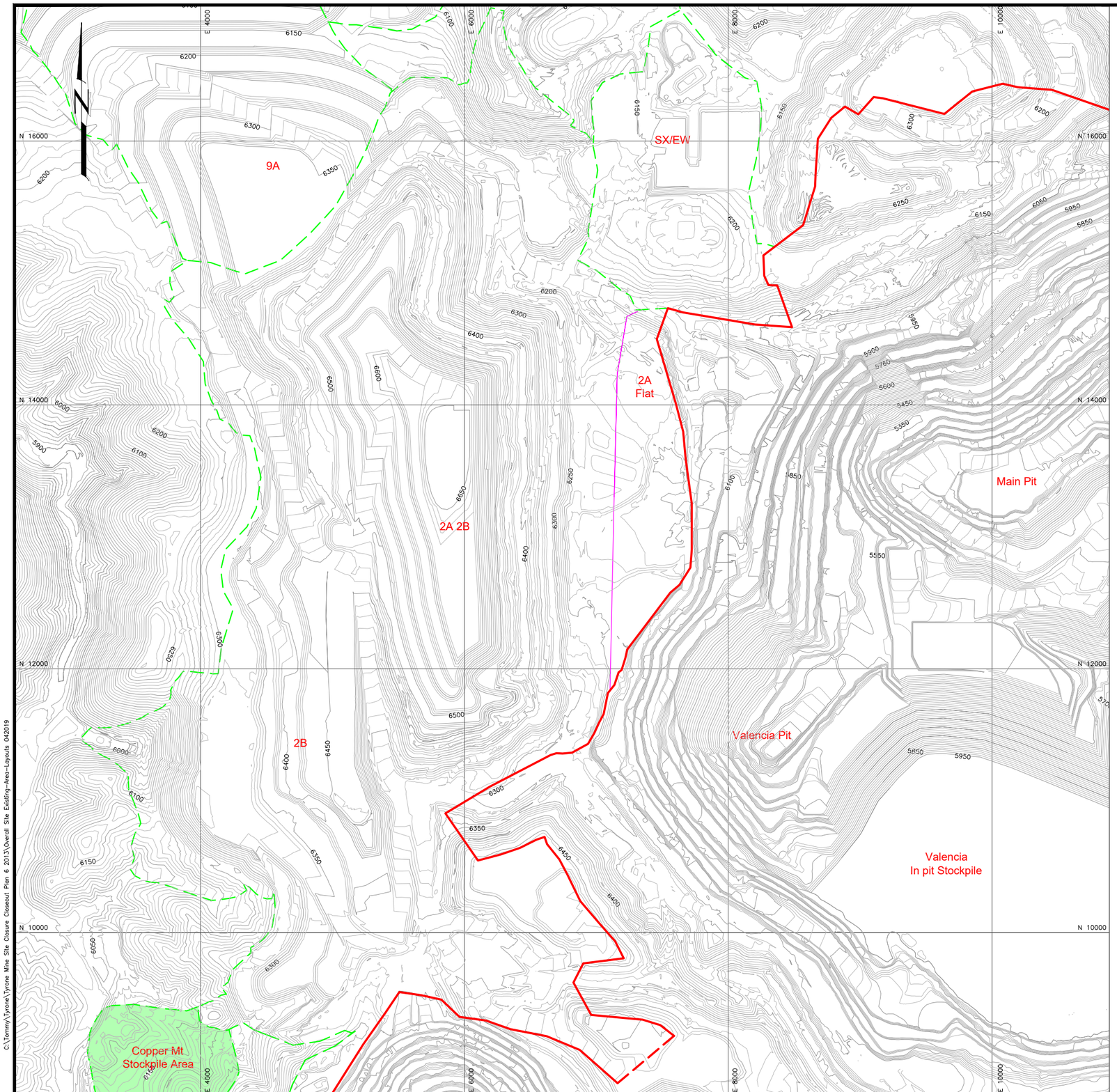
Stantec

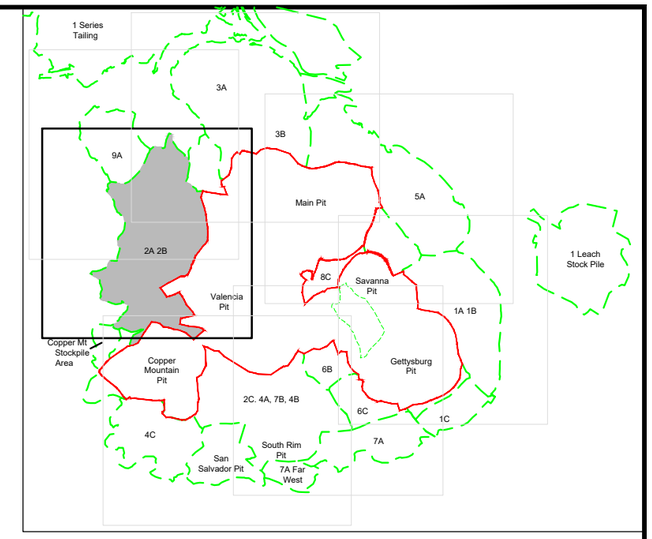
Sheet 7 Of 34 Sheets

SCALE: 1"=100'

DRAWING No. 7

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Cross-Sections-LayoutsREV1 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- LIMITS OF STOCKPILE

SCALE

400' 0 400' 800'

CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T. Leidich	T. Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: Nos. 2A, 2B LEACH AND 2B WASTE STOCKPILES-2014 CONFIGURATION

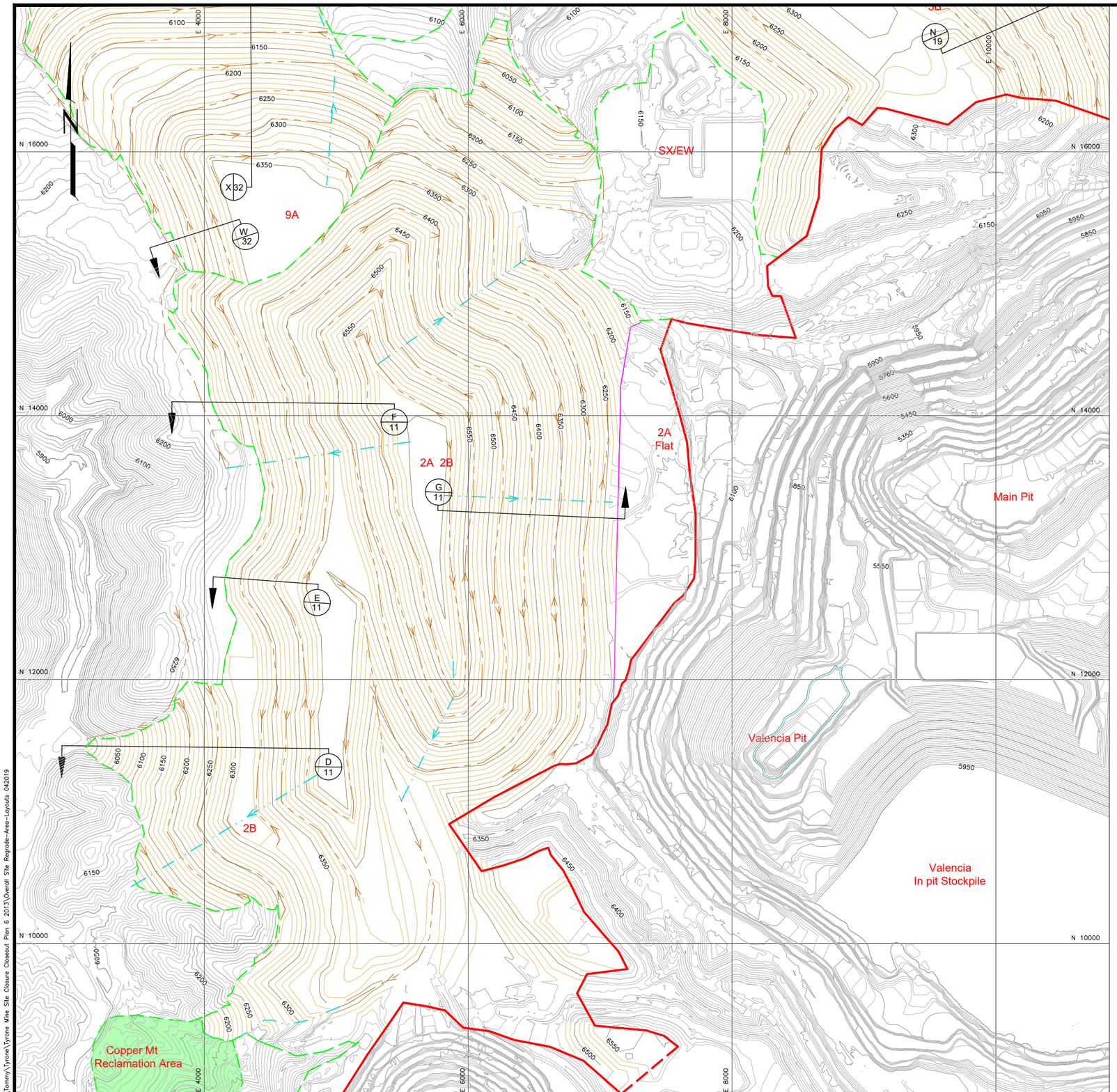
Stantec

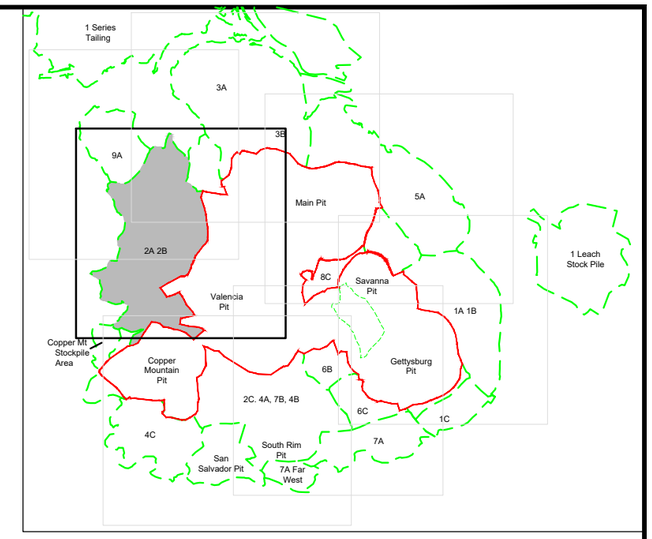
Sheet 8 Of 34 Sheets

SCALE: 1"=400'

DRAWING No. 8

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Existing-Area-Layouts 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 6250 — REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- STOCKPILE LIMITS
- DOWNDRAIN
- BENCH CHANNEL
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- A / 8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN

SCALE

400' 0 400' 800'

CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: Nos. 2A, 2B LEACH AND 2B WASTE STOCKPILES - GRADING AND DRAINAGE PLAN

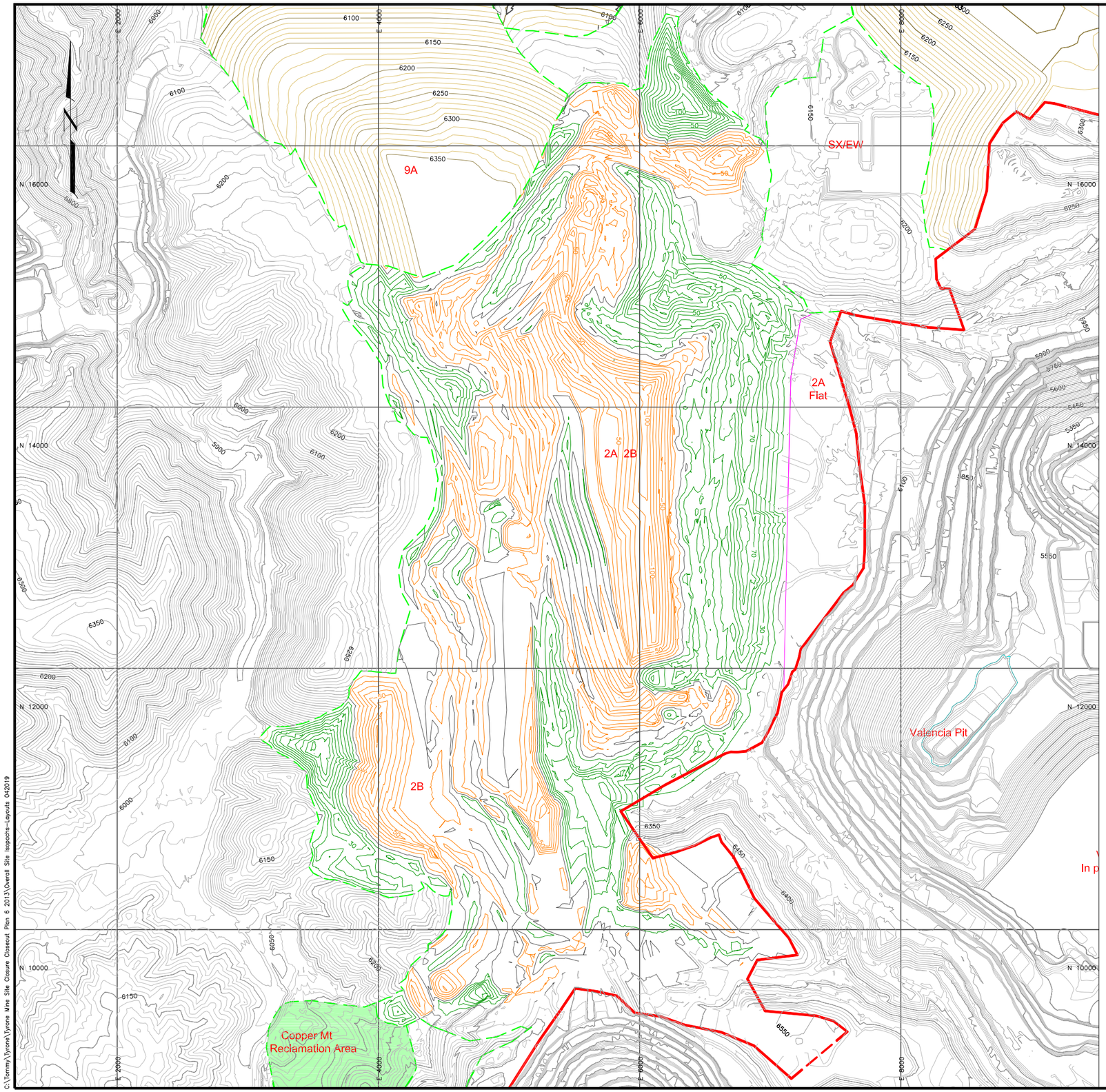
Stantec

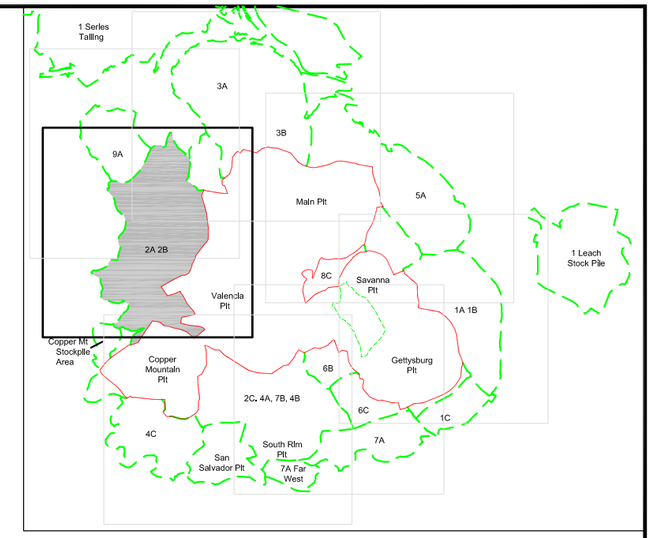
Sheet 9 Of 34 Sheets

SCALE: 1"=400'

DRAWING No. 9

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Regrade-Area-Layouts 042019





KEY MAP

LEGEND

- 6250 EXISTING CONTOURS
- 6250 REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- CUT ISOPACH
- FILL ISOPACH
- ZERO ELEVATION ISOPACH
- INTERIOR FLAT AREA
- STOCKPILE LIMITS
- RECLAIMED AREAS (2019)

SCALE
400' 0 400' 800'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

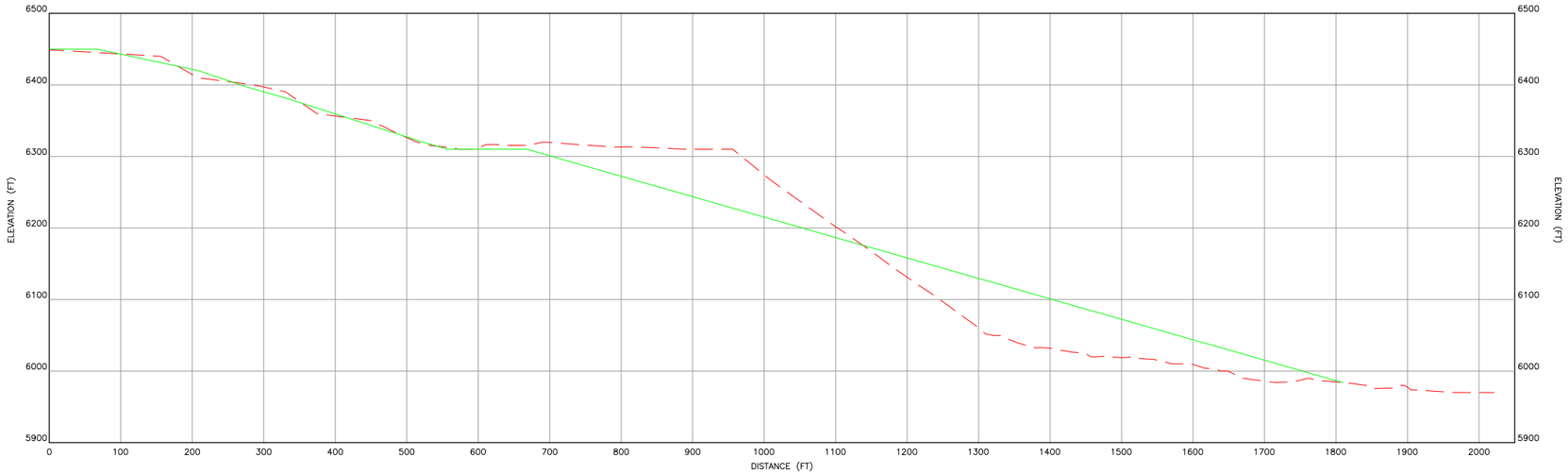
PROJECT:
TYRONE MINE AREA RECLAMATION

DRAWING TITLE:
Nos. 2A, 2B LEACH AND 2B WASTE STOCKPILES - CUT/FILL ISOPACH MAP

Stantec

Sheet 10 Of 34 Sheets
SCALE: 1"=400'
DRAWING No. 10

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Isopachs-Layouts 042019



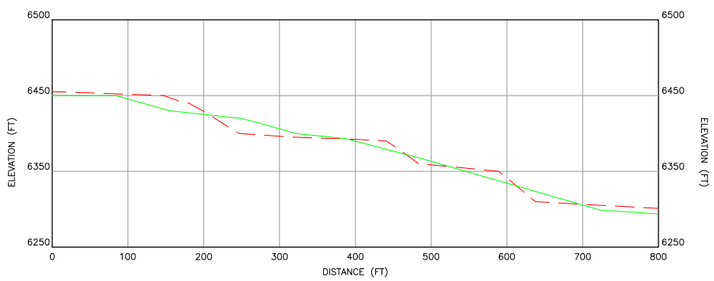
D 9 AREA 2A-2B - CROSS SECTION D

LEGEND

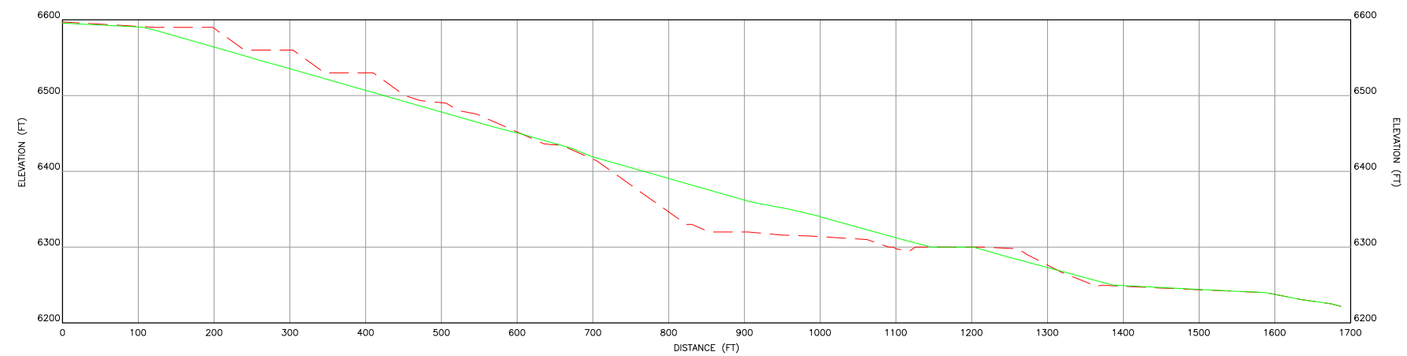
EXISTING GROUND SURFACE

REGRADE SURFACE

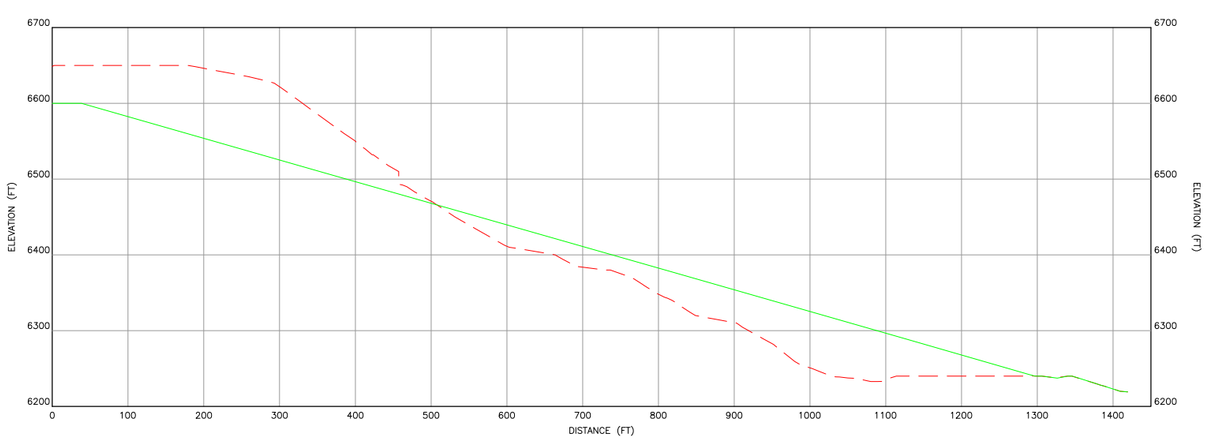
A 8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN



E 9 AREA 2A-2B - CROSS SECTION E



F 9 AREA 2A-2B - CROSS SECTION F



G 9 AREA 2A-2B - CROSS SECTION G

Note: The regrade surface shows the overall slope and does not show the terrace benchs that will be constructed on inter-bench outslope angles of 3H:1V at slope lengths no greater than 200'. For the typical final slope configuration refer to Drawing No. 33

SCALE
100' 0 100' 200'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
1	ISSUED FOR BOND CALCULATION	06/13	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: Nos. 2A, 2B LEACH AND 2B WASTE STOCKPILES - CROSS SECTIONS

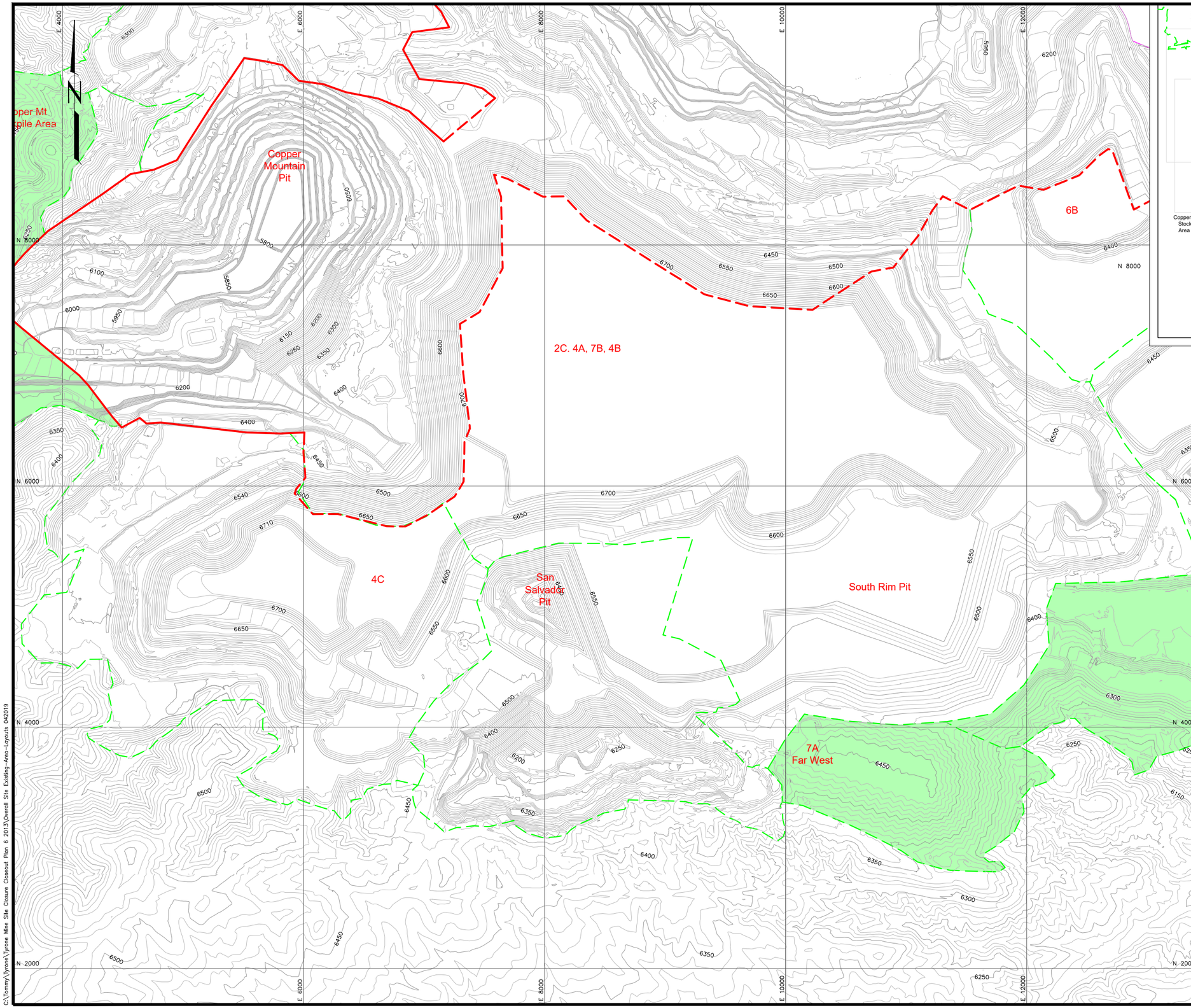
Stantec

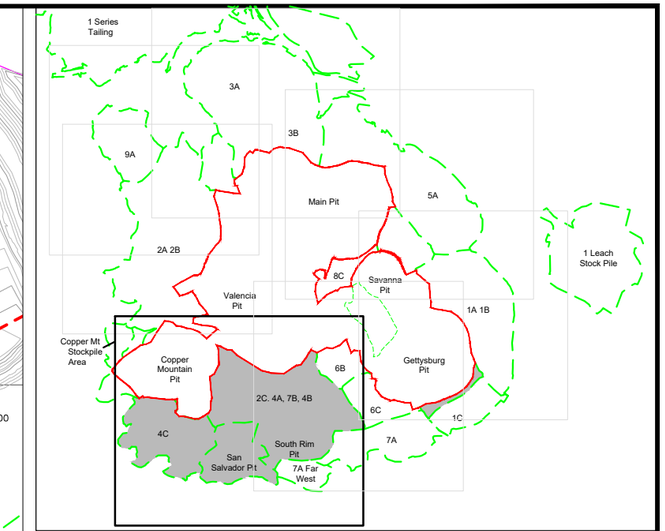
Sheet 11 Of 34 Sheets

SCALE: 1"=100'

DRAWING No. 11

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Cross-Sections-LayoutsREV1 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- LIMITS OF STOCKPILE

SCALE

400' 0 400' 800'

CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T. Leidich	T. Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: Nos. 2C, 4A, 4B, 4C, 7B LEACH STOCKPILES, SOUTH RIM AND SAN SALVADOR PITS 2014 CONFIGURATION

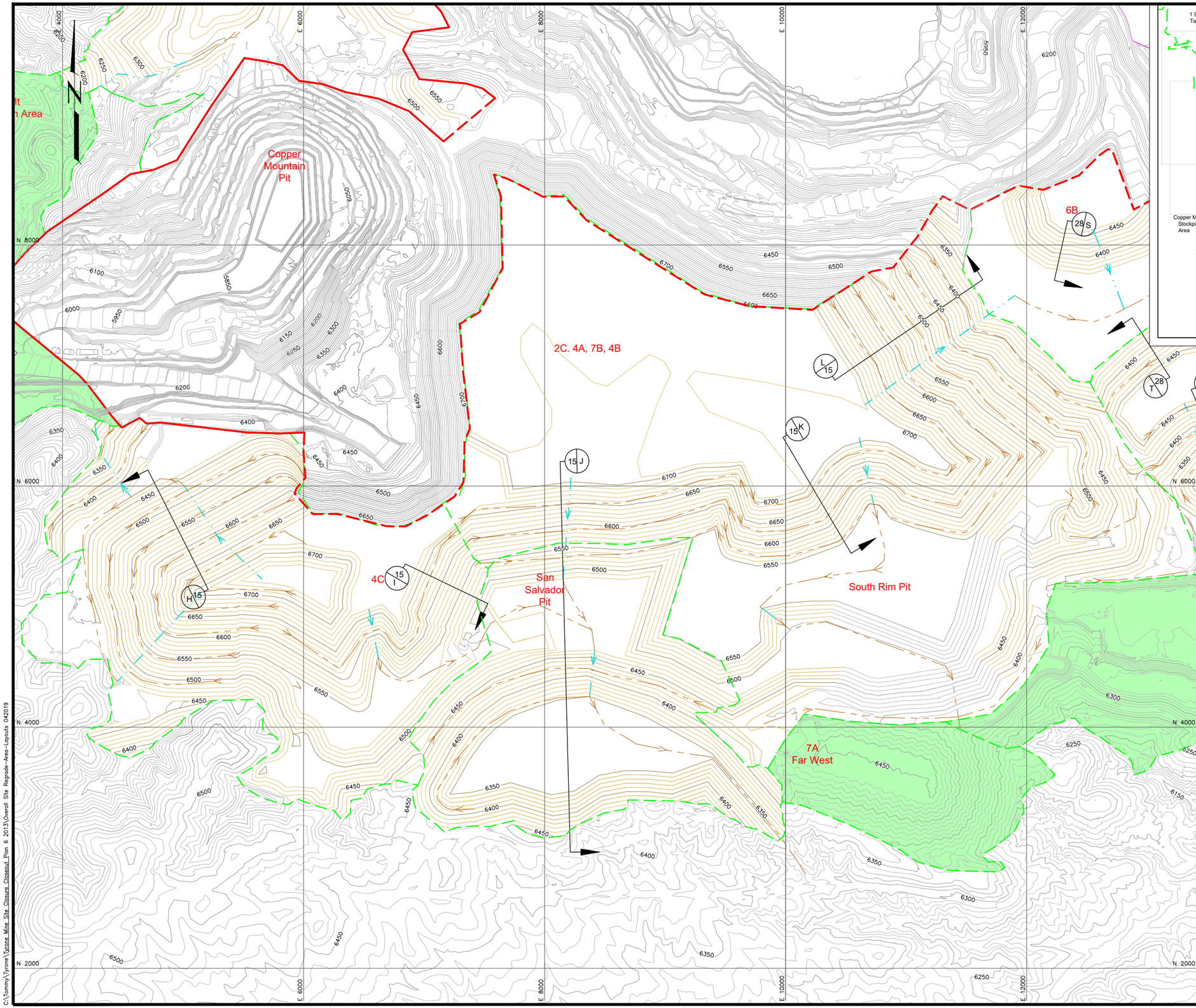
Stantec

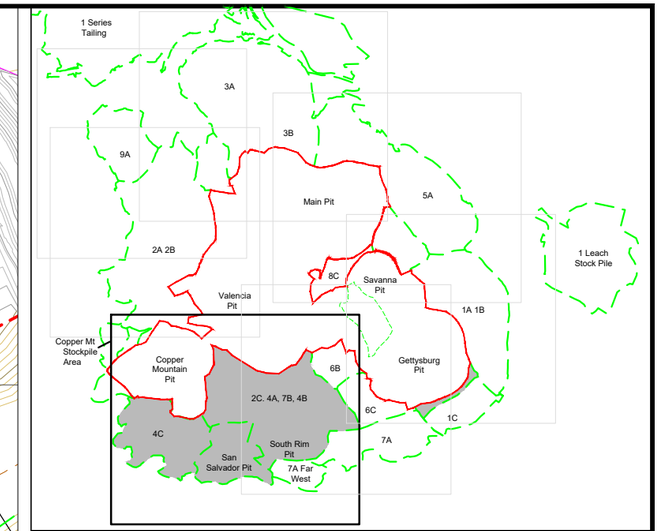
Sheet 12 Of 34 Sheets

SCALE: 1"=400'

DRAWING No. 12

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Existing-Area-Layouts 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 6250 — REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- STOCKPILE LIMITS
- DOWNDRAIN
- BENCH CHANNEL
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- A/8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN

SCALE

400' 0 400' 800'

CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Ledich	T Leidich	
0	DRAFT	08/14	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

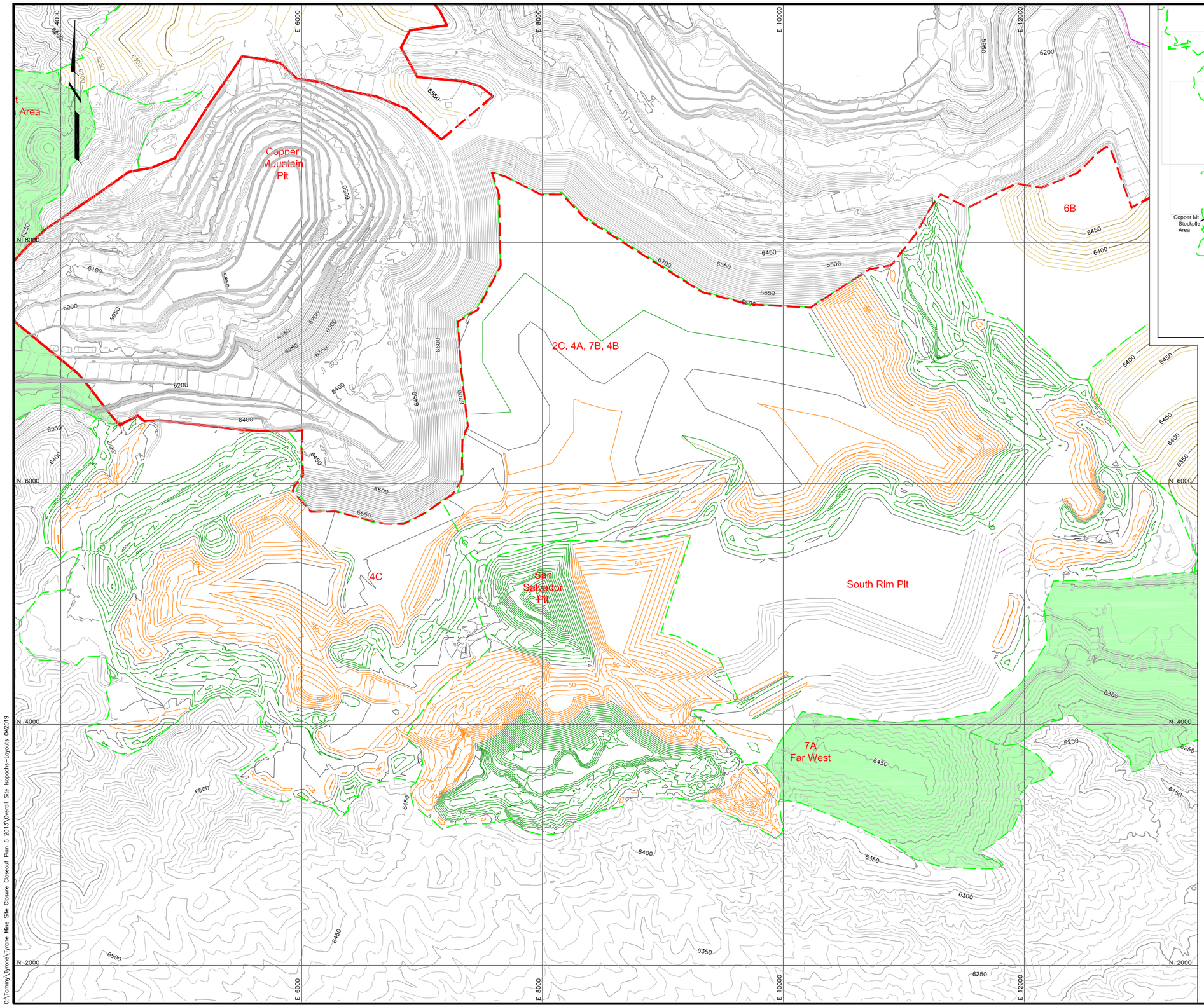
DRAWING TITLE: Nos. 2C, 4A, 4B, 4C, 7B LEACH STOCKPILES, SOUTH RIM AND SAN SALVADOR PITS GRADING & DRAINAGE PLAN

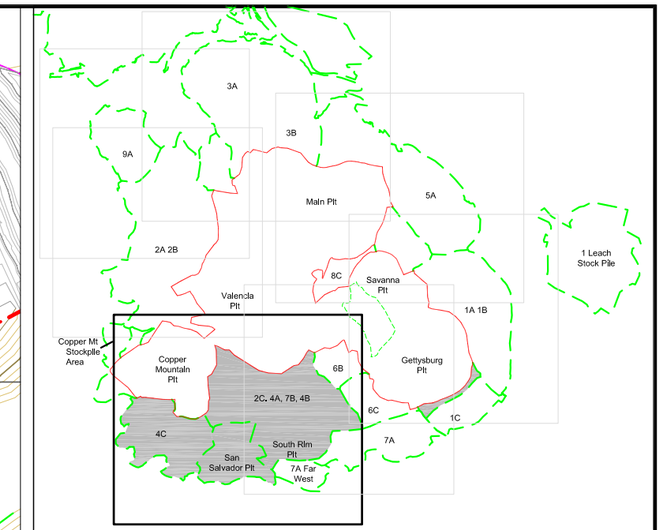
Stantec

Sheet 13 Of 34 Sheets

SCALE: 1"=400' | DRAWING No. 13

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Regrade-Area-Layouts 042019





KEY MAP

LEGEND

- 6250 EXISTING CONTOURS
- 6250 REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- CUT ISOPACH
- FILL ISOPACH
- ZERO ELEVATION ISOPACH
- INTERIOR FLAT AREA
- STOCKPILE LIMITS
- RECLAIMED AREAS (2019)

SCALE
400' 0 400' 800'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Ledich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

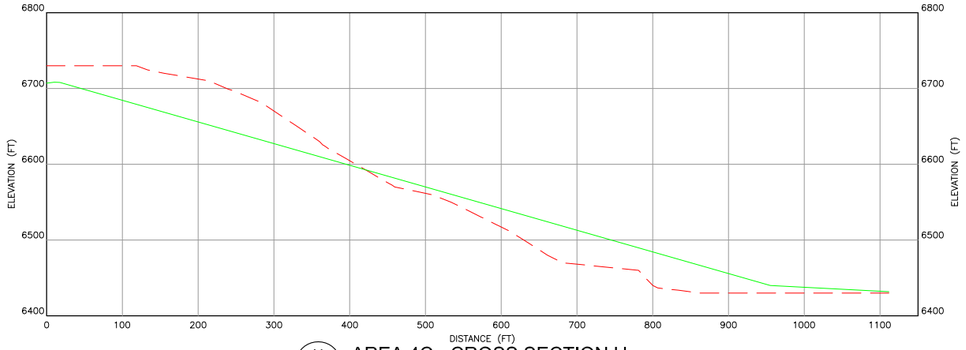
PROJECT:
TYRONE MINE AREA RECLAMATION

DRAWING TITLE:
Nos. 2C, 4A, 4B, 4C, 7B LEACH STOCKPILES, SOUTH RIM AND SAN SALVADOR PITS CUT/FILL ISOPACH MAP

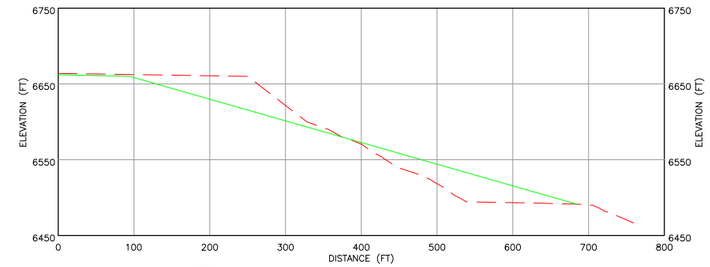
Stantec

Sheet 14 Of 34 Sheets
SCALE: 1"=400'
DRAWING No. 14

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Isopachs-Layouts 042019



H / 13 AREA 4C - CROSS SECTION H



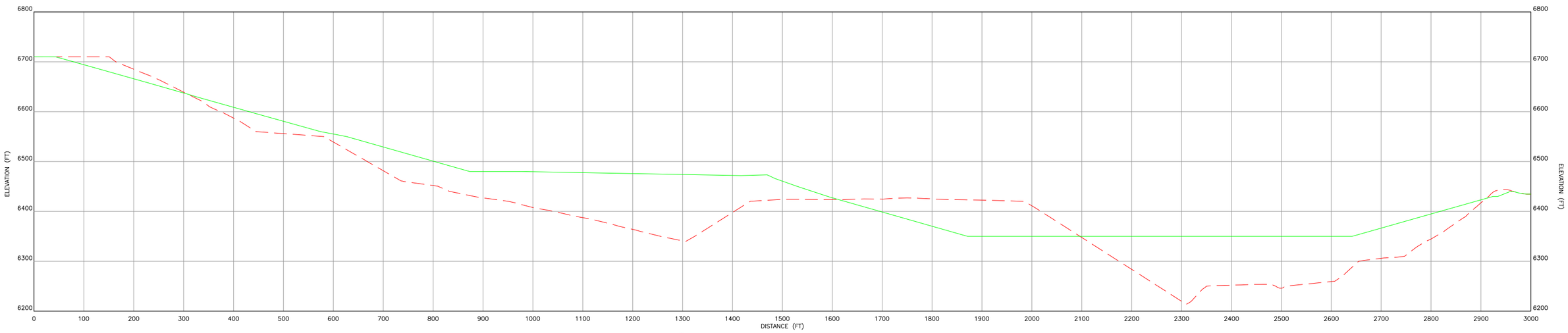
I / 13 AREA 4C - CROSS SECTION I

LEGEND

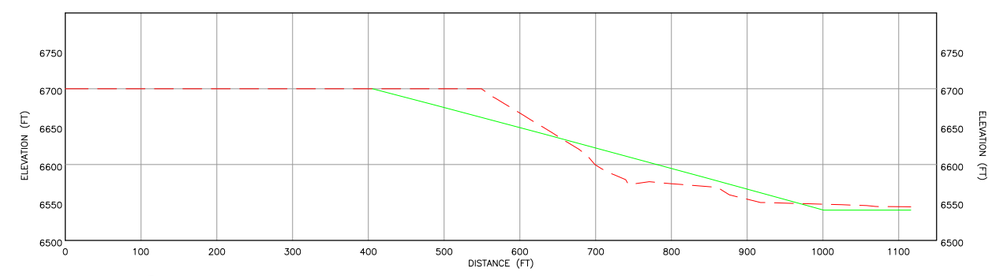
EXISTING GROUND SURFACE

REGRADE SURFACE

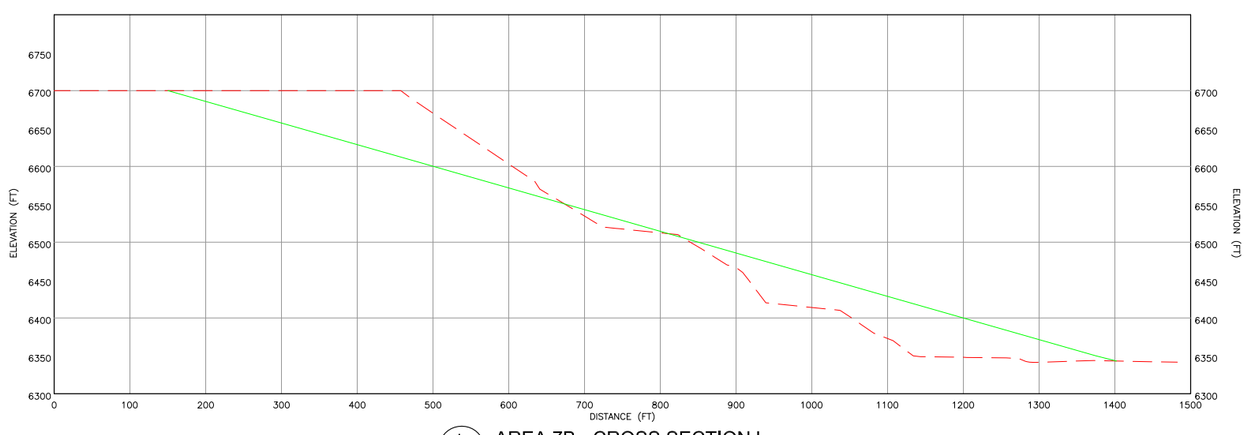
A / 8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN



J / 13 AREA 7B - CROSS SECTION J



K / 13 AREA 7B - CROSS SECTION K



L / 13 AREA 7B - CROSS SECTION L

Note: The regrade surface shows the overall slope and does not show the terrace benchs that will be constructed on inter-bench outslope angles of 3H:1V at slope lengths no greater than 200'. For the typical final slope configuration refer to Drawing No. 33

SCALE
100' 0 100' 200'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
1	ISSUED FOR BOND CALCULATION	06/13	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: Nos. 2C, 4A, 4B, 4C, 7B LEACH STOCKPILES, SOUTH RIM AND SAN SALVADOR PITS CROSS SECTIONS

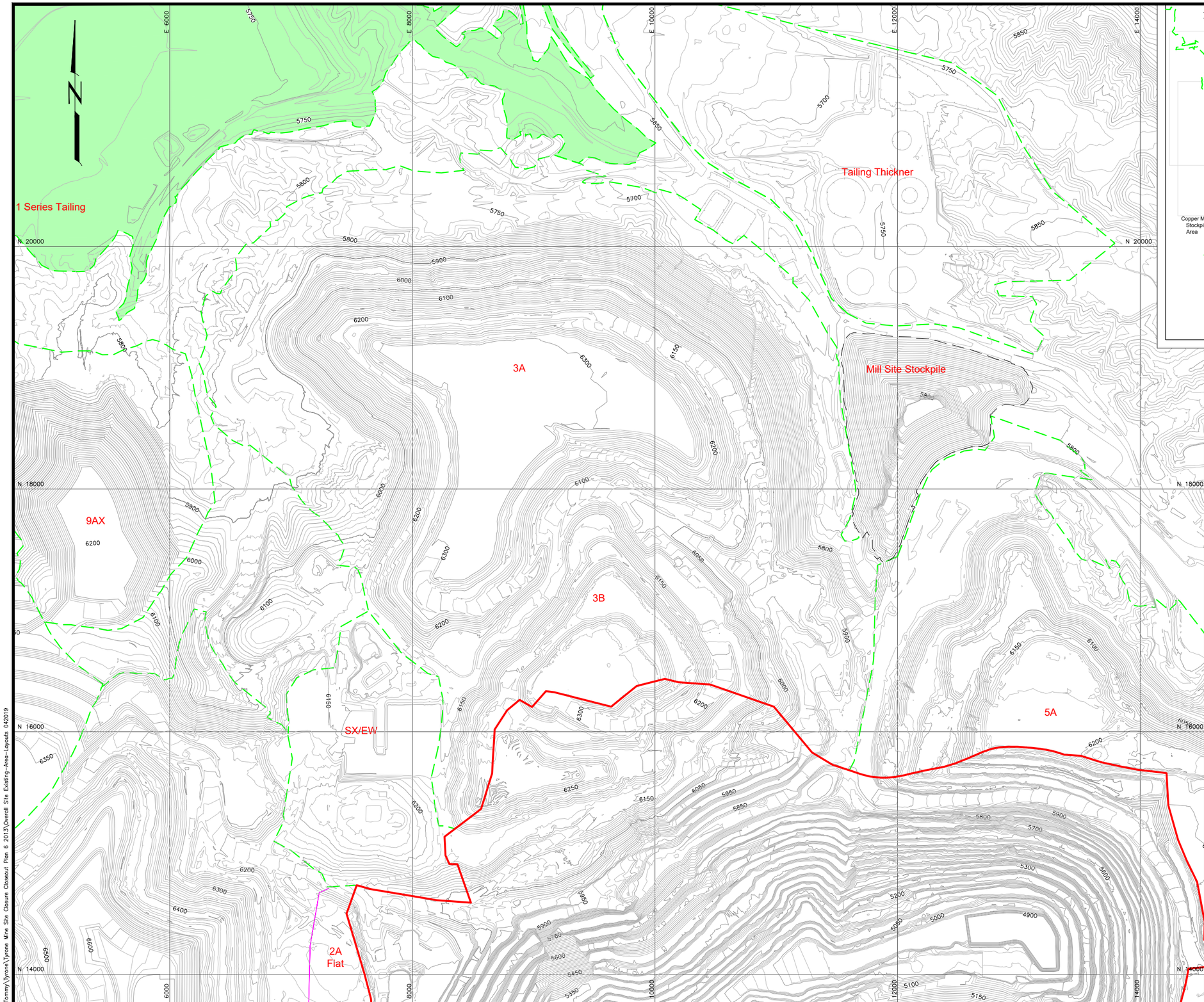
Stantec

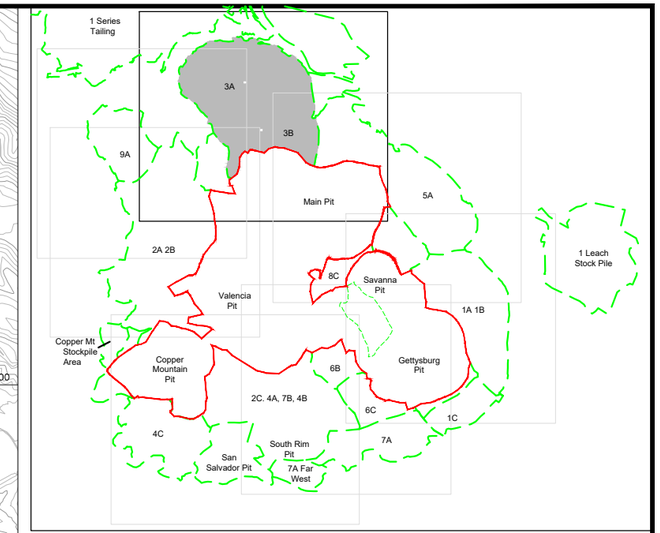
Sheet 15 Of 34 Sheets

SCALE: 1"=100'

DRAWING No. 15

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Cross-Sections-Layout&REV1 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- LIMITS OF STOCKPILE

SCALE
400' 0 400' 800'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T. Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT FOR DISCUSSION	05/07	T.Liedich	L.Berkness	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: No. 3A LEACH AND 3B WASTE STOCKPILES 2014 CONFIGURATION

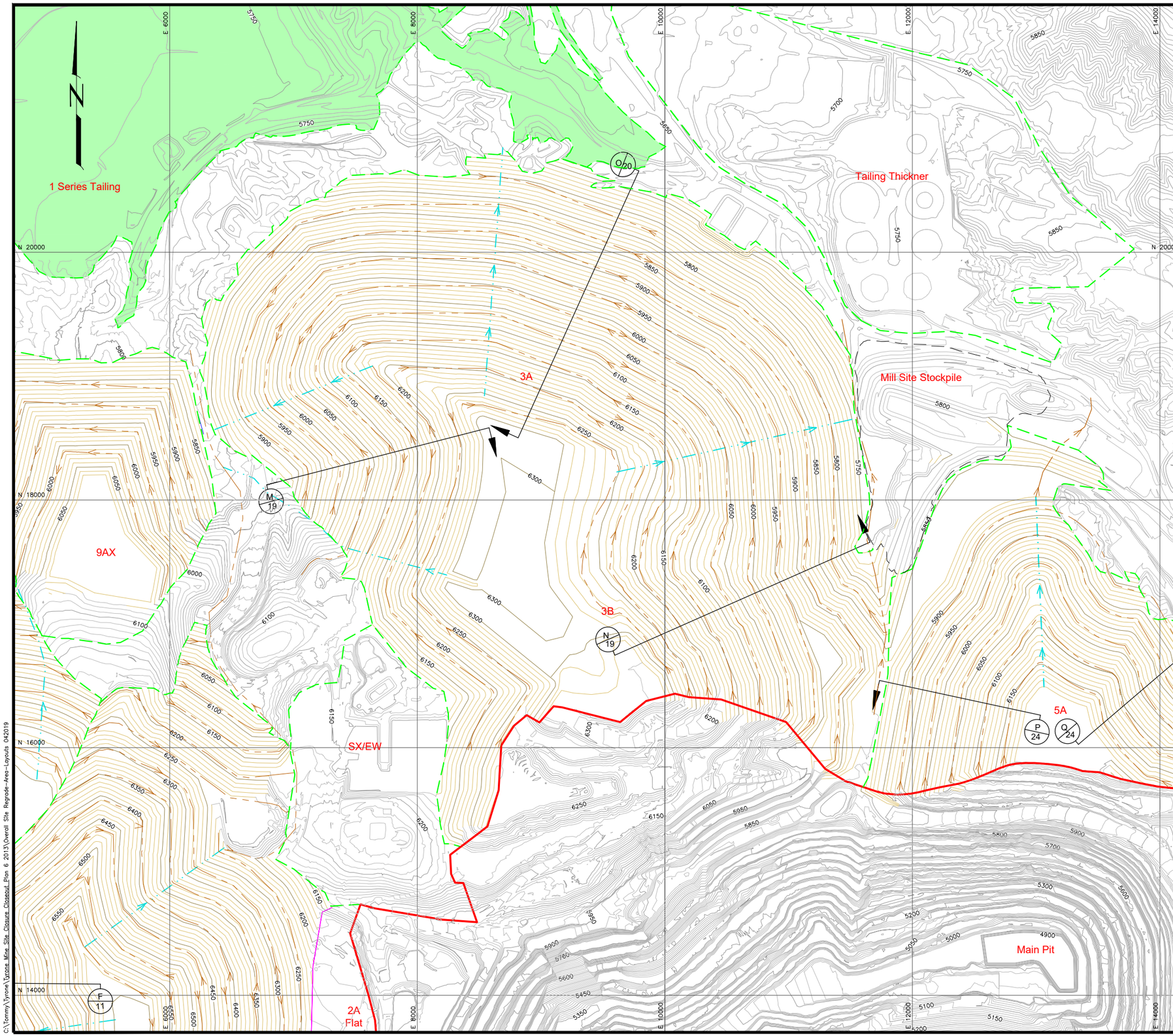
Stantec

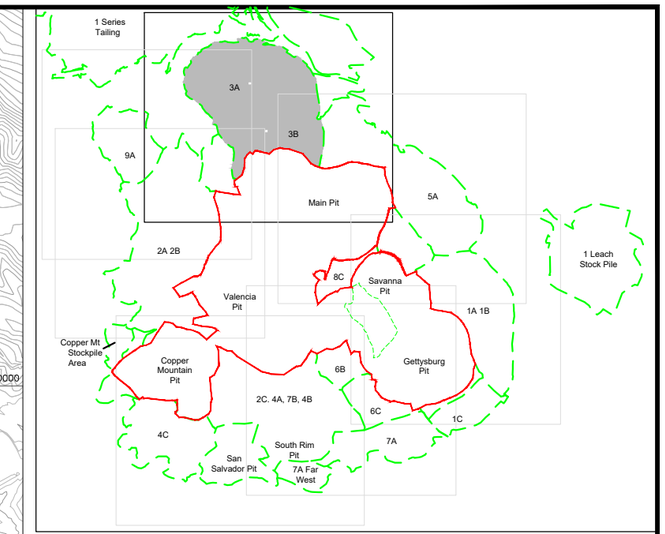
Sheet 16 Of 34 Sheets

SCALE: 1"=400'

DRAWING No. 16

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Existing-Area-Layouts 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 6250 — REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- STOCKPILE LIMITS
- DOWNDRAIN
- BENCH CHANNEL
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- A/8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN

SCALE
400' 0 400' 800'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT FOR DISCUSSION	05/07	T.Liedich	L.Berkness	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: No. 3A LEACH AND 3B WASTE STOCKPILES GRADING & DRAINAGE PLAN

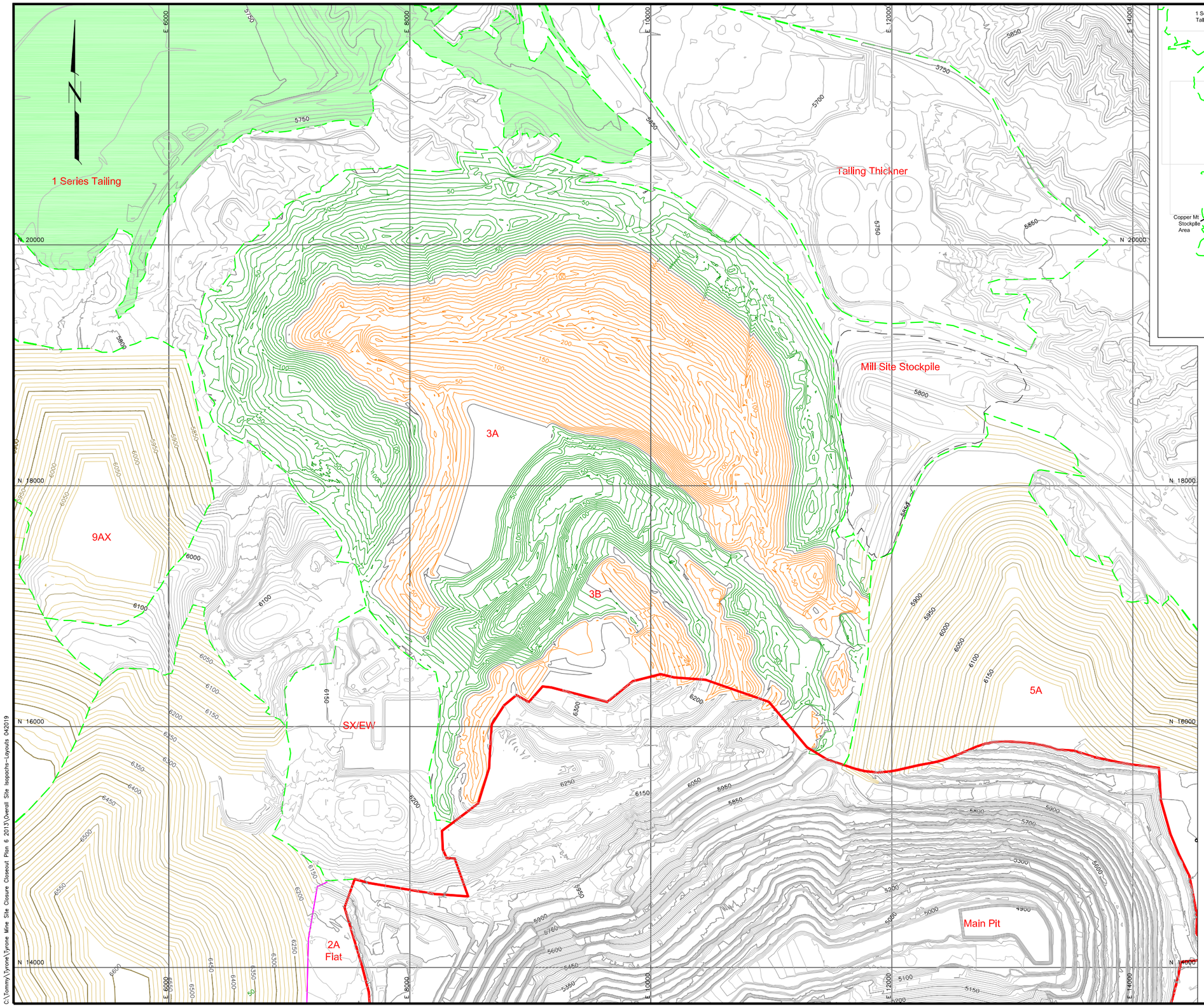
Stantec

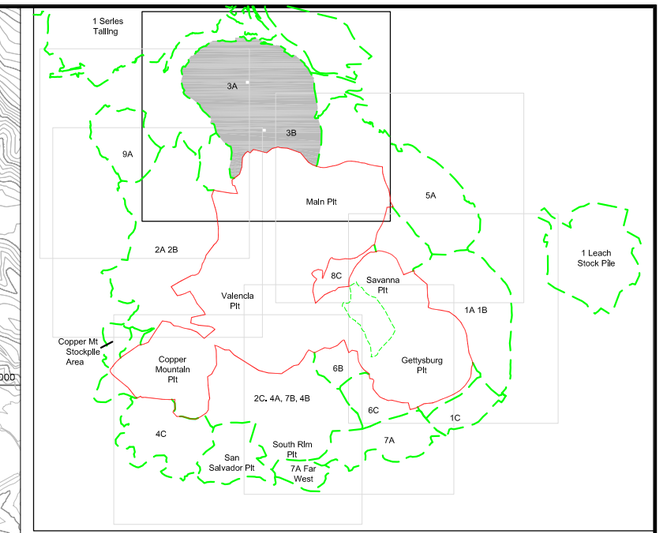
Sheet 17 Of 34 Sheets

SCALE: 1"=400'

DRAWING No. 17

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Regrade-Area-Layouts 042019





KEY MAP

LEGEND

- 6250 EXISTING CONTOURS
- 6250 REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- CUT ISOPACH
- FILL ISOPACH
- ZERO ELEVATION ISOPACH
- INTERIOR FLAT AREA
- STOCKPILE LIMITS
- RECLAIMED AREAS (2019)

SCALE
400' 0 400' 800'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	L.Moore	
0	DRAFT FOR DISCUSSION	05/07	T.Liedich	L.Berkness	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT:
TYRONE MINE AREA RECLAMATION

DRAWING TITLE:
No. 3A LEACH AND 3B WASTE STOCKPILES CUT/FILL ISOPACH MAP

Stantec

Sheet 18 Of 34 Sheets
SCALE: 1"=400'
DRAWING No. 18

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Isopachs-Layouts 042019

LEGEND

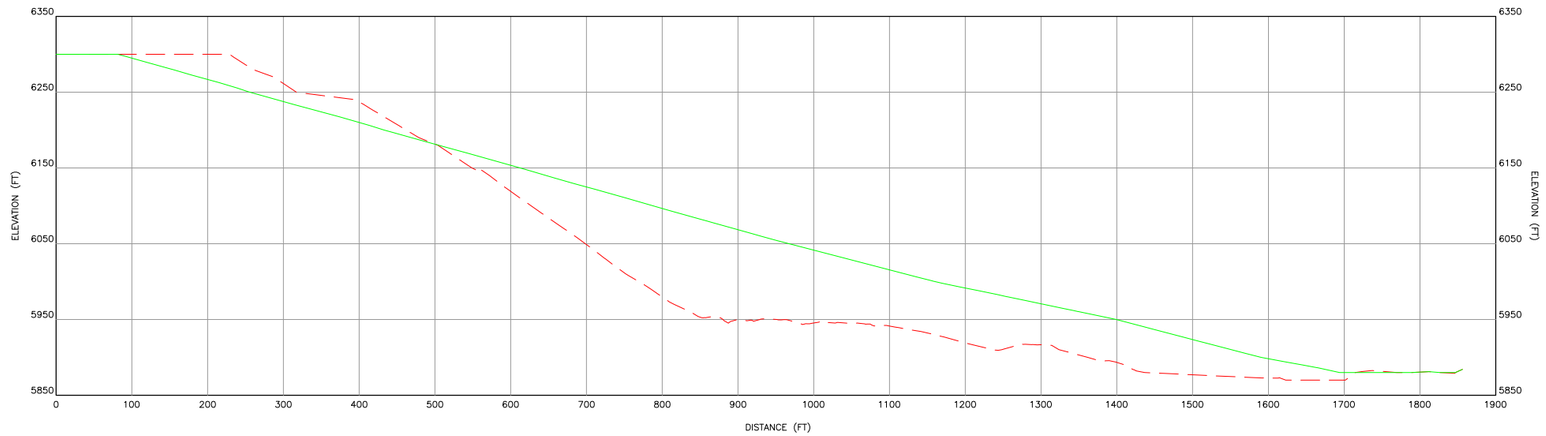
EXISTING GROUND SURFACE

REGRADE SURFACE

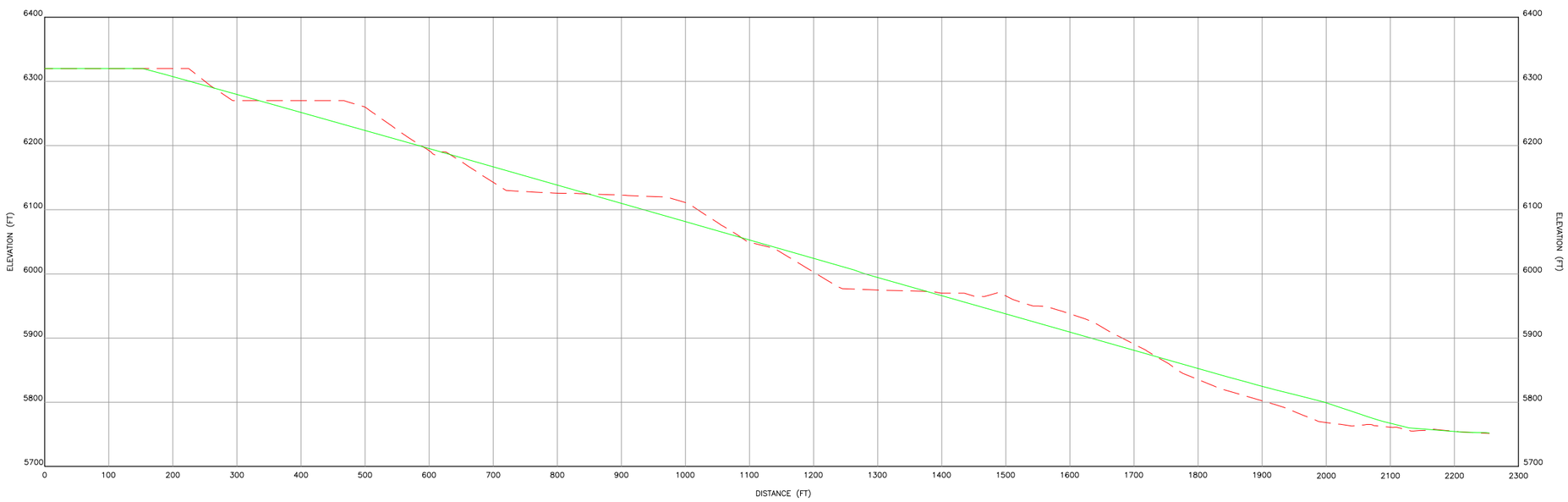
DETAIL/SECTION NUMBER

A / 8

DRAWING No. WHERE DETAIL/SECTION IS SHOWN



M / 17 AREA 3A-3B CROSS SECTION M



N / 17 AREA 3A-3B CROSS SECTION N

Note: The regrade surface shows the overall slope and does not show the terrace benchs that will be constructed on inter-bench outslope angles of 3H:1V at slope lengths no greater than 200'. For the typical final slope configuration refer to Drawing No. 33

SCALE

100' 0 100' 200'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
1	ISSUED FOR BOND CALCULATION	06/13	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: Nos. 3A LEACH AND 3B WASTE STOCKPILES CROSS SECTIONS - 1

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Sheet 19 Of 34 Sheets

SCALE: 1"=100'

DRAWING No. 19

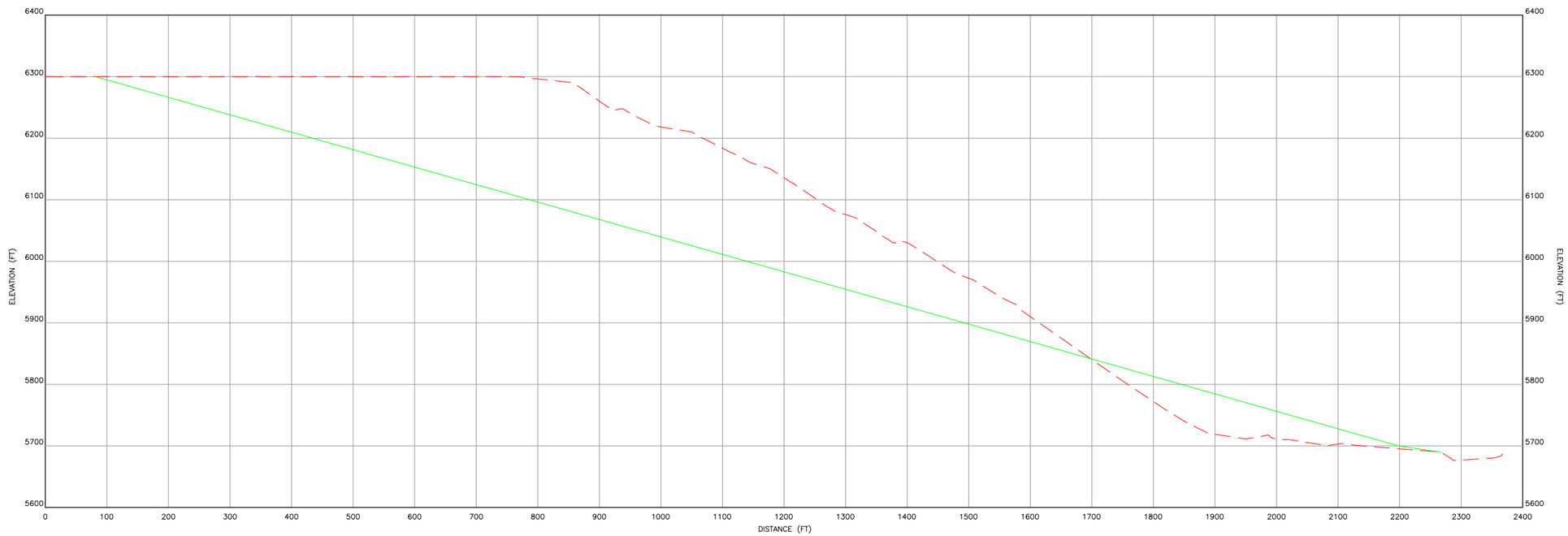
C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Cross-Sections-LayoutREV1 042019

LEGEND

EXISTING GROUND SURFACE

REGRADE SURFACE

A/8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN



0/17 AREA 3A-3B CROSS SECTION 0

SCALE

100' 0 100' 200'

Note: The regrade surface shows the overall slope and does not show the terrace benchs that will be constructed on inter-bench outslope angles of 3H:1V at slope lengths no greater than 200'. For the typical final slope configuration refer to Drawing No. 33

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
1	ISSUED FOR BOND CALCULATION	06/13	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: Nos. 3A LEACH AND 3B WASTE STOCKPILES CROSS SECTIONS - 2

Stantec

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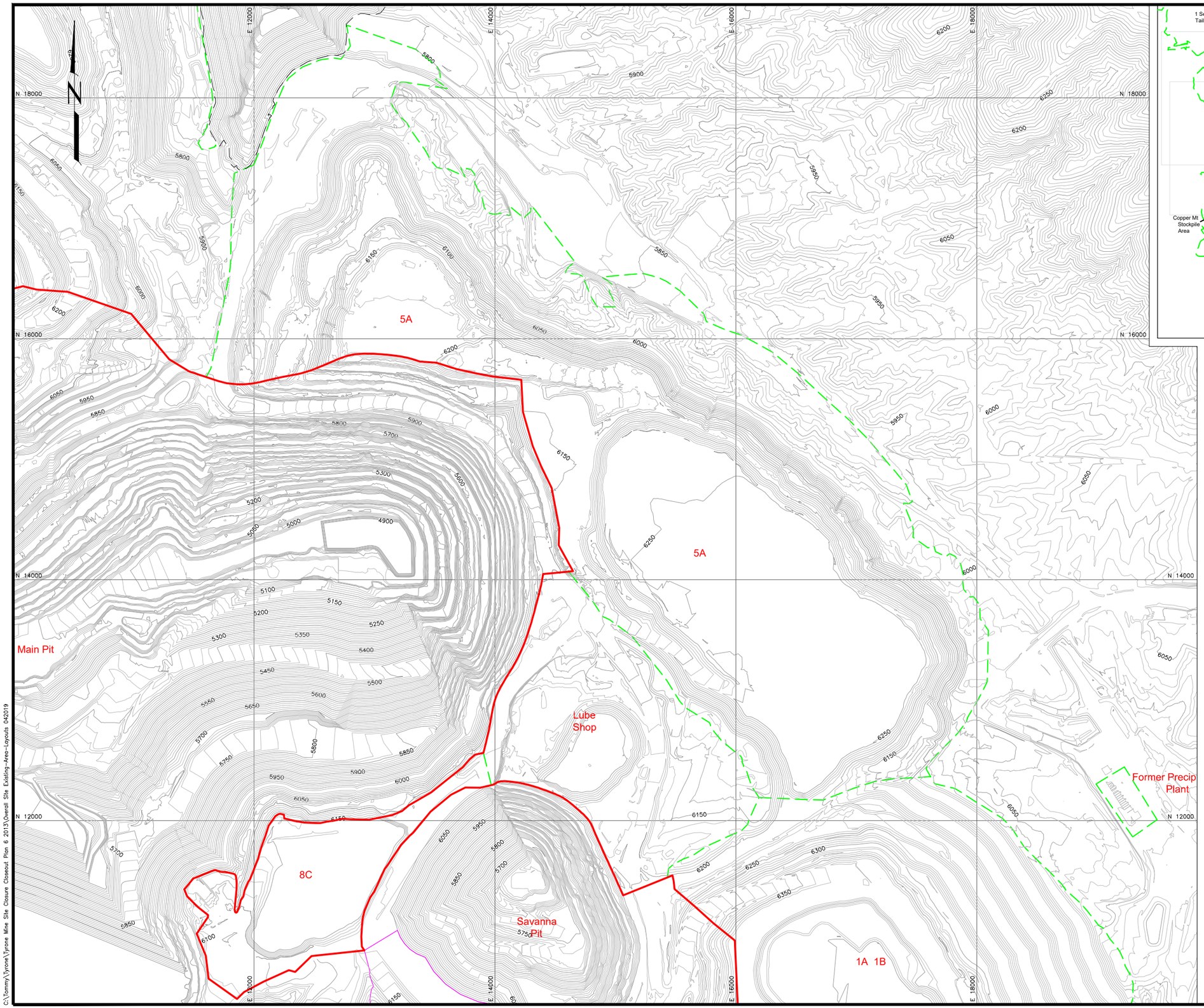
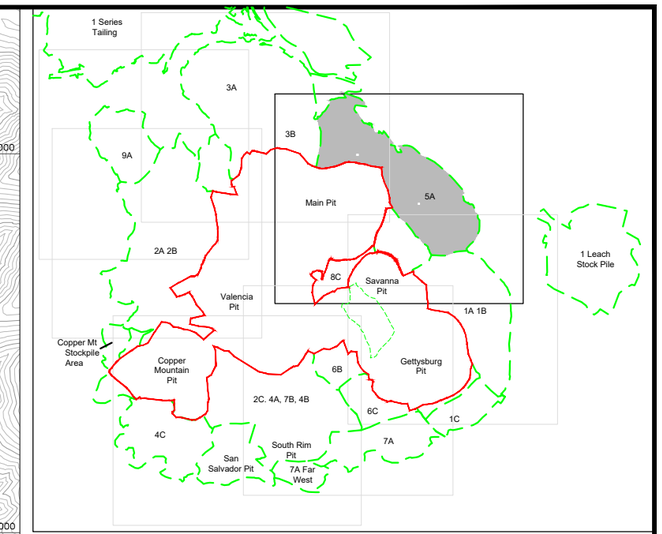
SCALE: 1"=100'

DRAWING No. 20

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Cross-Sections-LayoutsREV1 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- LIMITS OF STOCKPILE

SCALE

400' 0 400' 800'

CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: No. 5A OVER BURDEN STOCKPILE 2014 CONFIGURATION

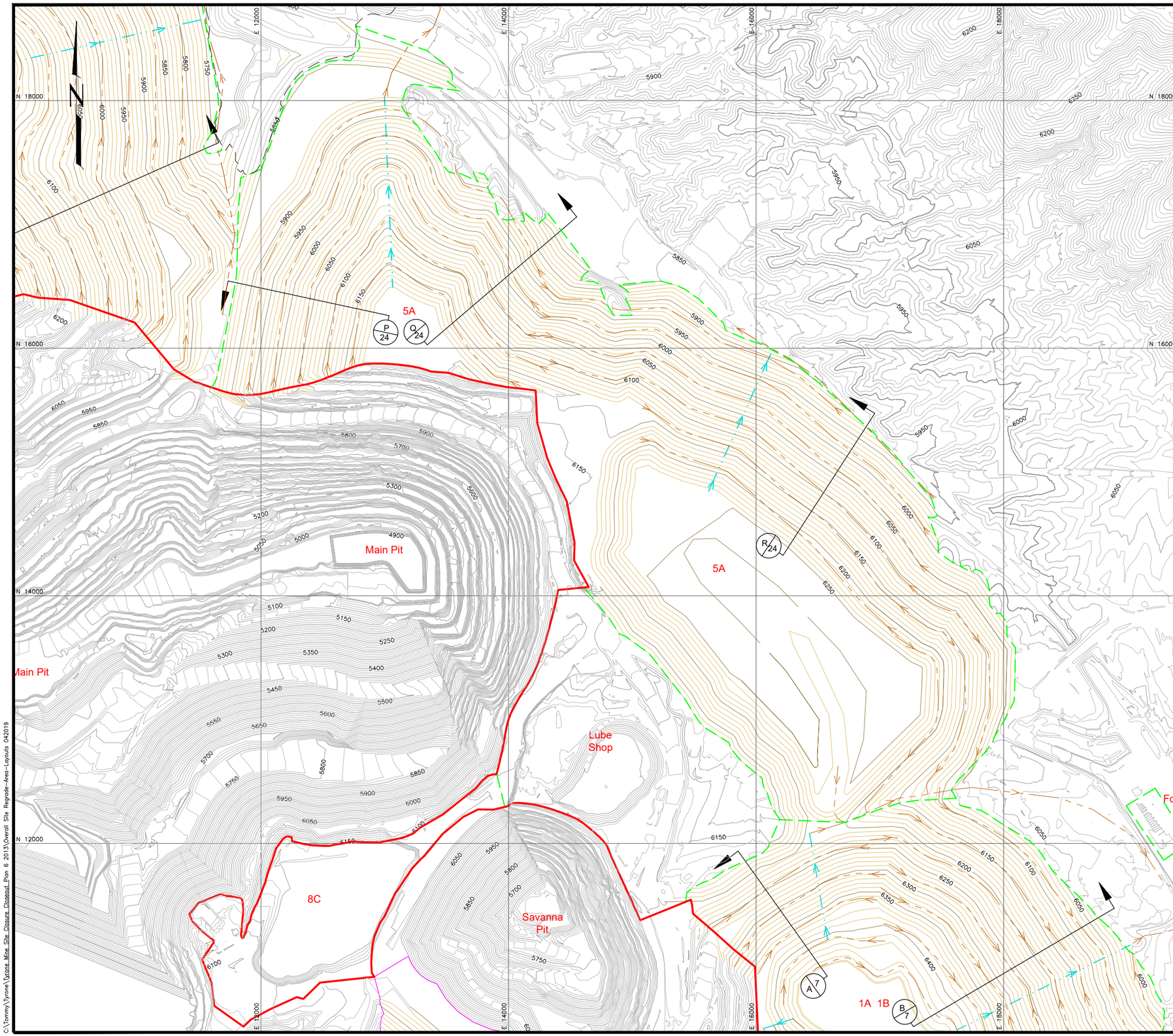
Stantec

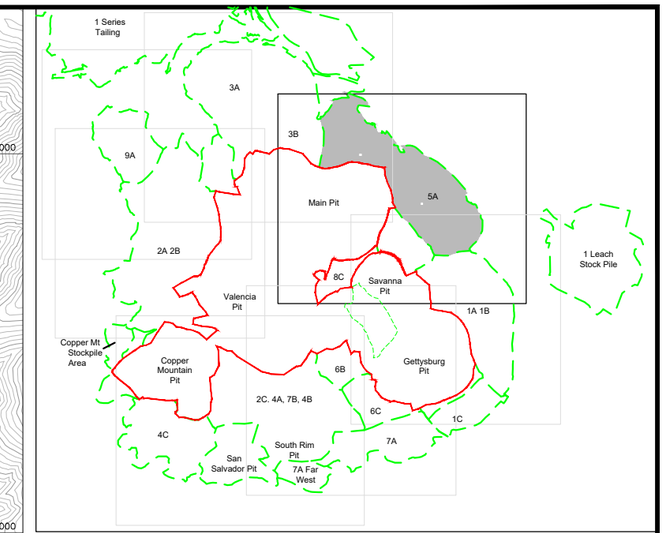
Sheet 21 Of 34 Sheets

SCALE: 1"=400'

DRAWING No. 21

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Existing-Area-Layouts 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 6250 — REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- STOCKPILE LIMITS
- DOWNDRAIN
- BENCH CHANNEL
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- A/8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN

SCALE

400' 0 400' 800'

CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: No. 5A OVER BURDEN STOCKPILE GRADING & DRAINAGE PLAN

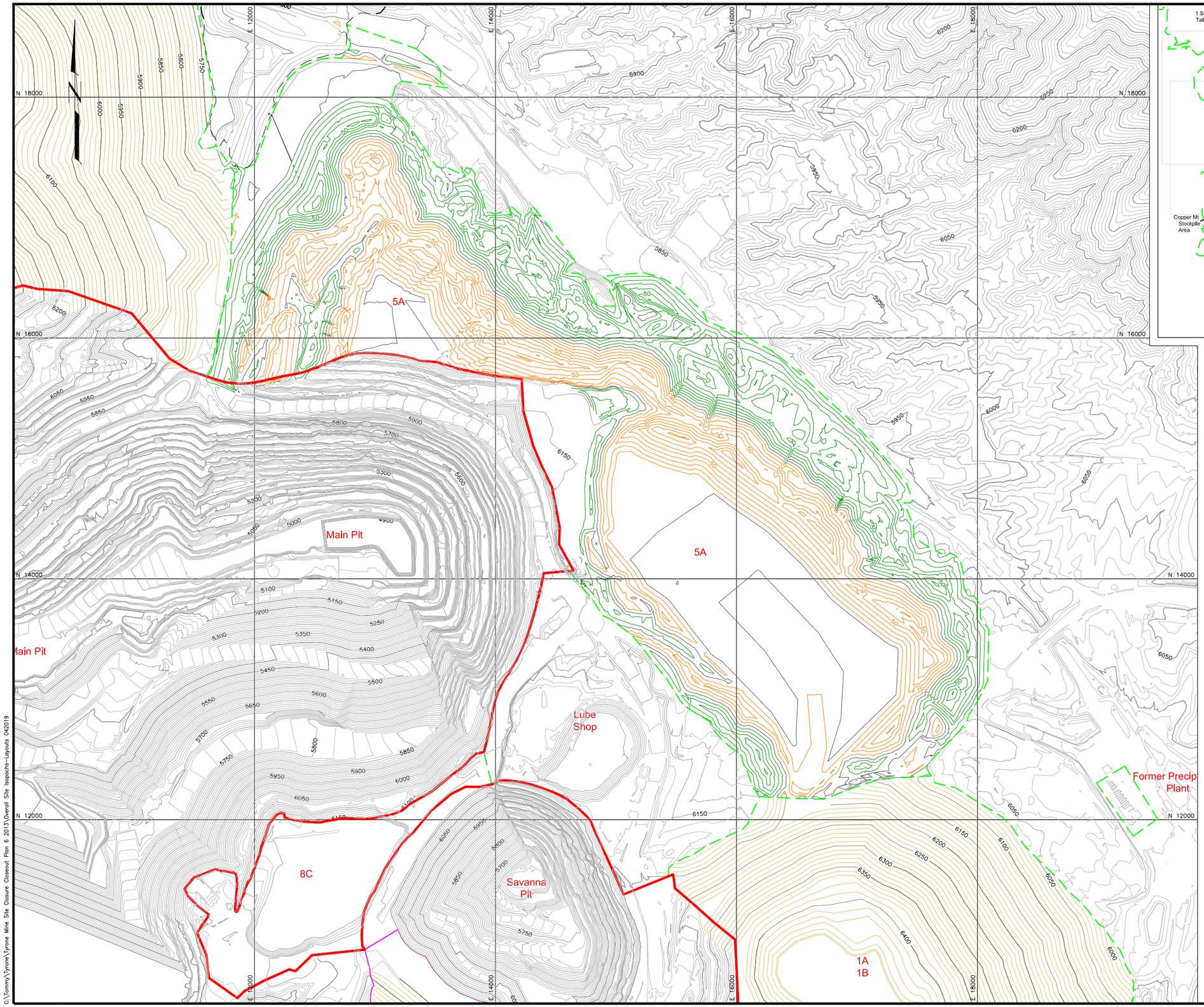
Stantec

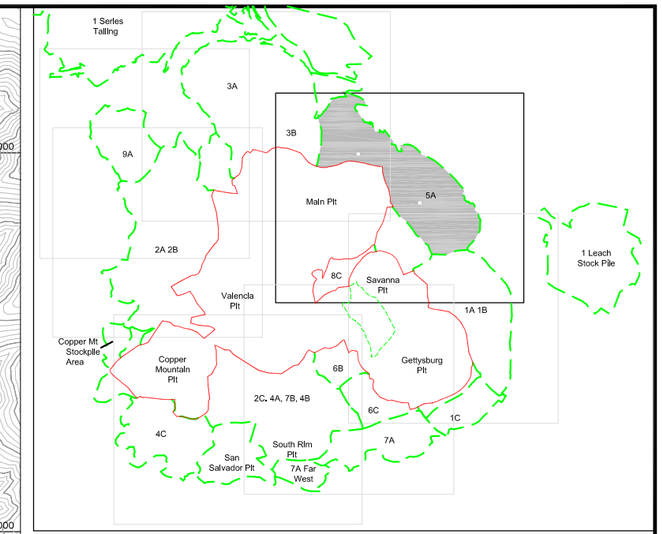
Sheet 22 Of 34 Sheets

SCALE: 1"=400'

DRAWING No. 22

C:\Tommy\Tyrone\Tyrone_Mine_Site_Closure_Closeout_Plan 6 2013\Overall Site Regrade-Area-Layouts 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 6250 — REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- CUT ISOPACH
- FILL ISOPACH
- ZERO ELEVATION ISOPACH
- INTERIOR FLAT AREA
- STOCKPILE LIMITS
- RECLAIMED AREAS (2019)

SCALE
400' 0 400' 800'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY	
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich		
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich		
0	DRAFT	09/12	T.Liedich	J.Bever		

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: No. 5A OVER BURDEN STOCKPILE CUT/FILL ISOPACH MAP

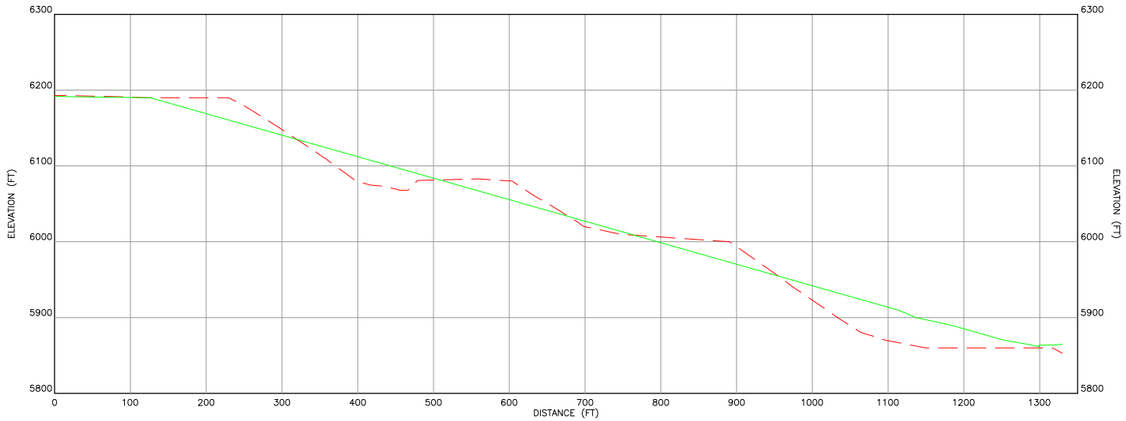
Stantec

Sheet 23 Of 34 Sheets

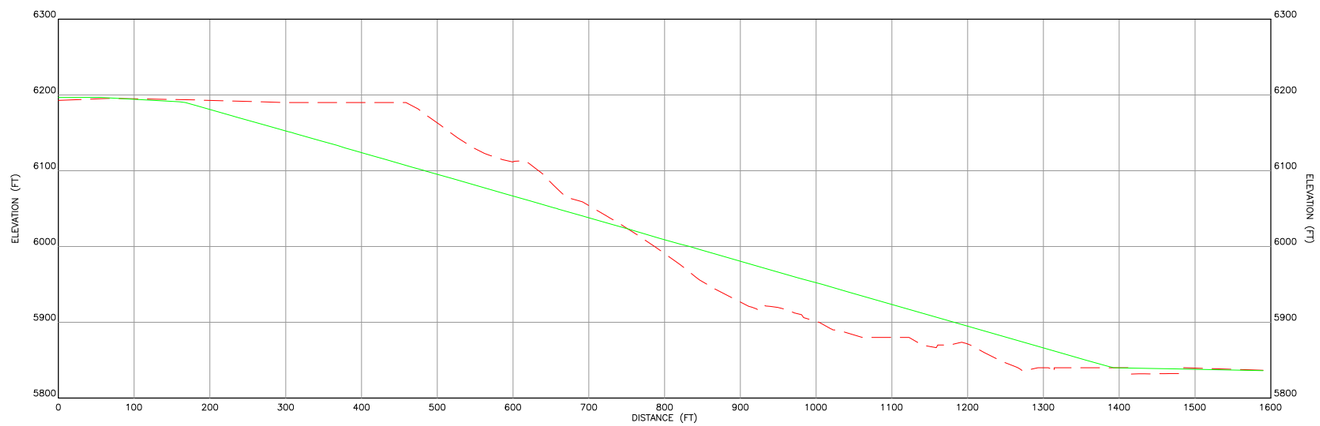
SCALE: 1"=400'

DRAWING No. 23

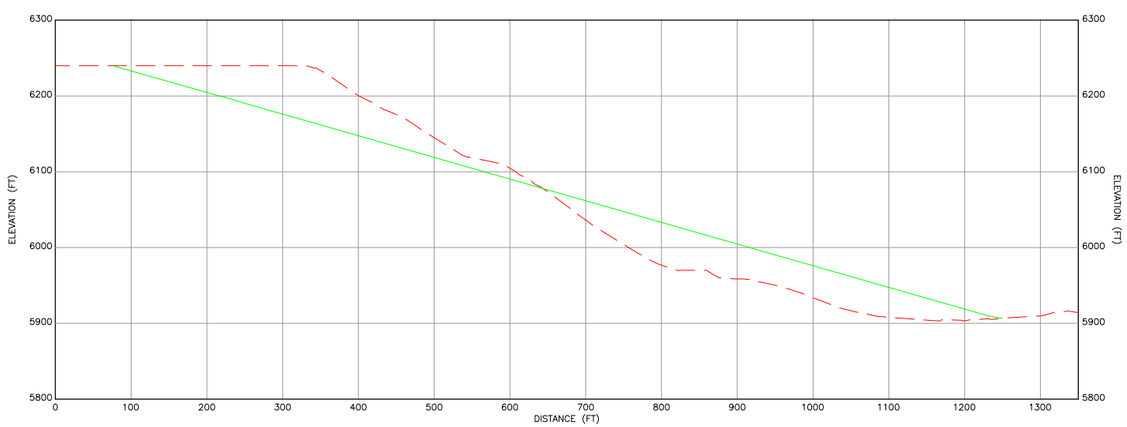
C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Isopachs-Layouts 042019



P 22 AREA 5A - CROSS SECTION P



Q 22 AREA 5A - CROSS SECTION Q



R 22 AREA 5A - CROSS SECTION R

LEGEND

EXISTING GROUND SURFACE

REGRADE SURFACE

A 8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN

Note: The regrade surface shows the overall slope and does not show the terrace benchs that will be constructed on inter-bench outslope angles of 3H:1V at slope lengths no greater than 200'. For the typical final slope configuration refer to Drawing No. 33

SCALE

100' 0 100' 200'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
1	ISSUED FOR BOND CALCULATION	06/13	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: No. 5A OVER BURDEN STOCKPILE CROSS SECTIONS

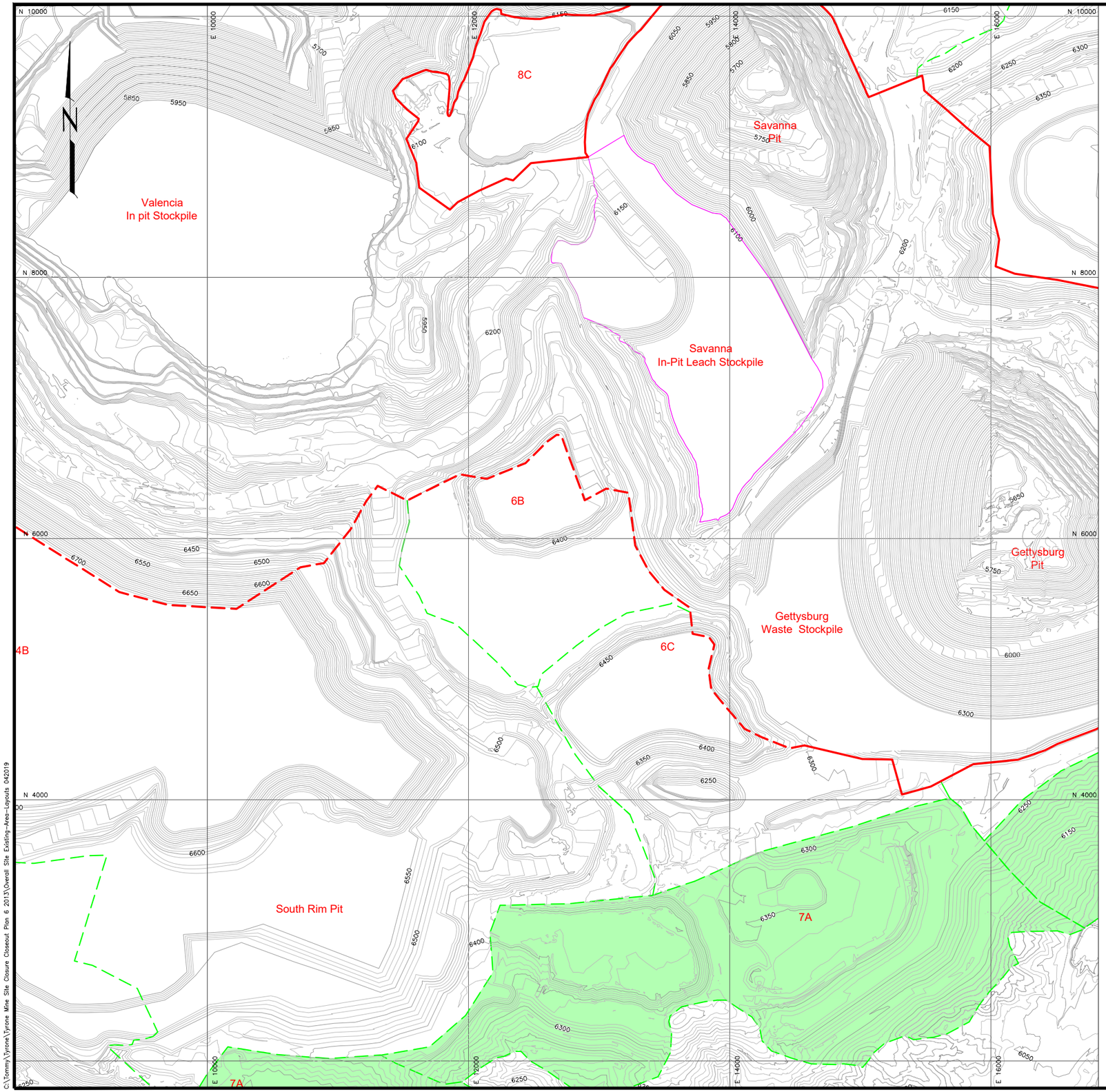
Stantec

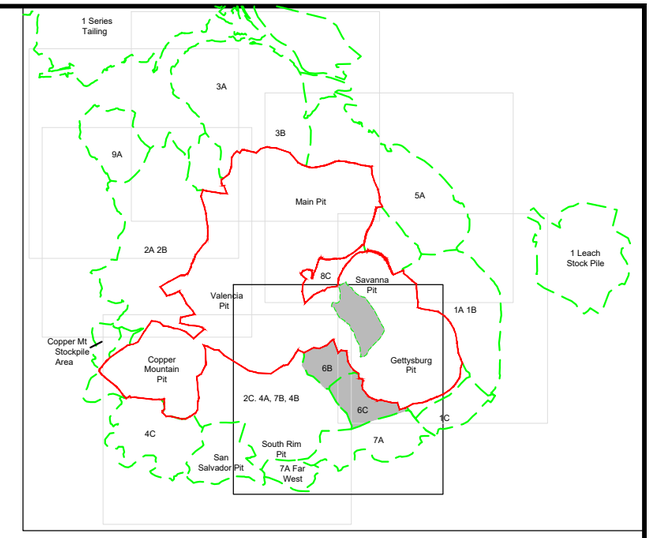
Sheet 24 Of 34 Sheets

SCALE: 1"=100'

DRAWING No. 24

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Cross-Sections-Layouts\REV1 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- LIMITS OF STOCKPILE

SCALE
400' 0 400' 800'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

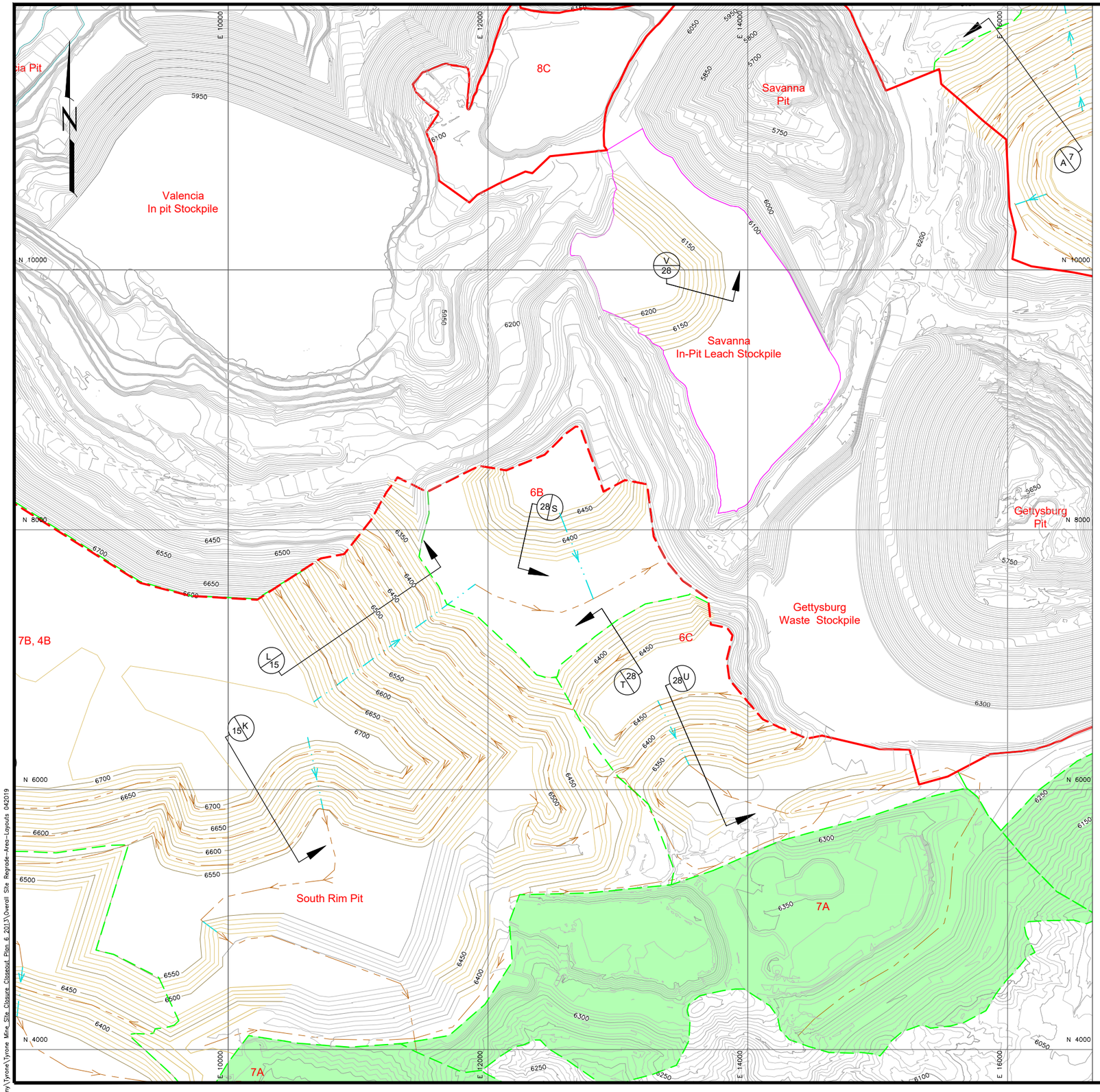
PROJECT:
TYRONE MINE AREA RECLAMATION

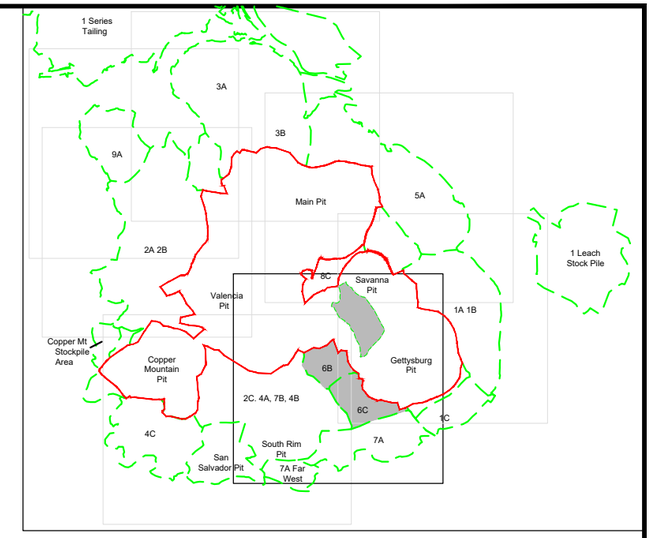
DRAWING TITLE:
Nos. 6B, 6C AND SAVANNA IN-PIT LEACH STOCKPILE - 2014 CONFIGURATION

Stantec

Sheet 25 Of 34 Sheets
SCALE: 1"=400'
DRAWING No. 25

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Existing-Area-Layouts 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 6250 — REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- STOCKPILE LIMITS
- DOWNDRAIN
- BENCH CHANNEL
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- A/8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN

SCALE

400' 0 400' 800'

CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/1	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T. Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: Nos. 6B, 6C, AND SAVANNA IN- PIT LEACH STOCKPILES - GRADING & DRAINAGE PLAN

Stantec

Sheet 26 Of 34 Sheets

SCALE: 1"=400'

DRAWING No. 26

Valencia
In pit Stockpile

Savanna
In-Pit Leach Stockpile

6B

6C

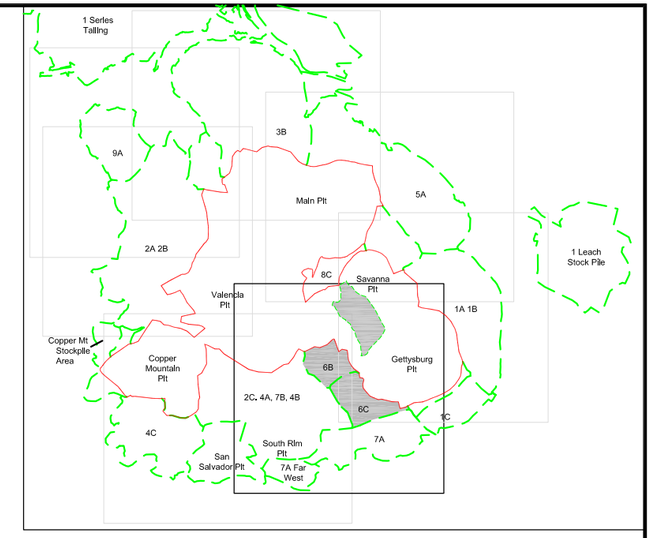
Gettysburg
Pit

Gettysburg
Waste Stockpile

South Rim Pit

7A

7A
Far West



KEY MAP

LEGEND

- 6250 EXISTING CONTOURS
- 6250 REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- CUT ISOPACH
- FILL ISOPACH
- ZERO ELEVATION ISOPACH
- INTERIOR FLAT AREA
- STOCKPILE LIMITS
- RECLAIMED AREAS (2019)

SCALE
400' 0 400' 800'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

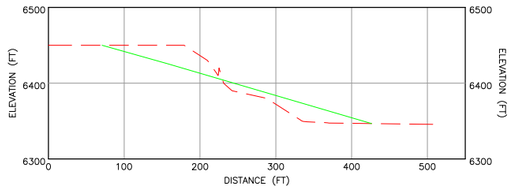
PROJECT:
TYRONE MINE AREA RECLAMATION

DRAWING TITLE:
Nos. 6B, 6C, AND SAVANNA IN-PIT LEACH STOCKPILE - CUT/FILL ISOPACH MAP

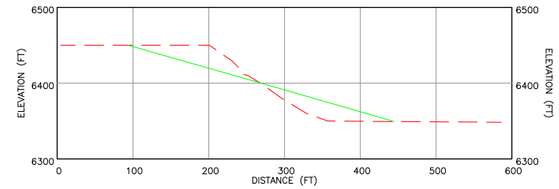
Stantec

Sheet 27 Of 34 Sheets
SCALE: 1"=400'
DRAWING No. 27

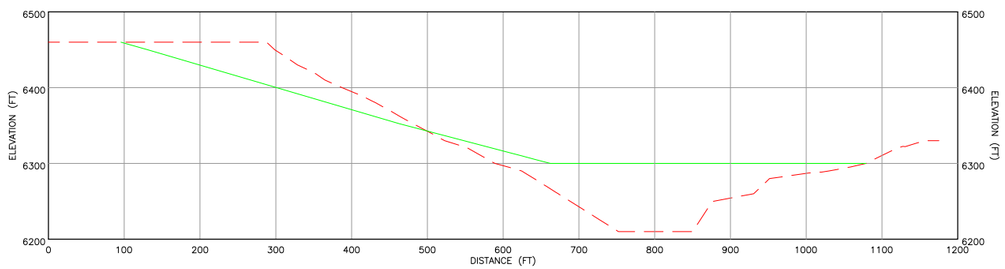
C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Isopachs-Layouts 042019



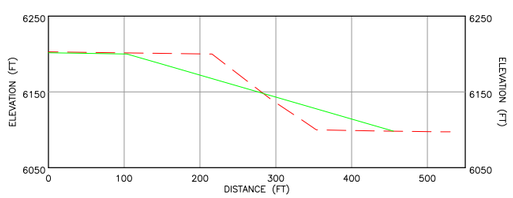
S / 26 AREA 6B - CROSS SECTION S



T / 26 AREA 6C - CROSS SECTION T



U / 26 AREA 6C - CROSS SECTION U



V / 26 AREA 8C - CROSS SECTION V

Note: The regrade surface shows the overall slope and does not show the terrace benchs that will be constructed on inter-bench outslope angles of 3H:1V at slope lengths no greater than 200'. For the typical final slope configuration refer to Drawing No. 33

LEGEND

EXISTING GROUND SURFACE

REGRADE SURFACE

A / 8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN

SCALE

100' 0 100' 200'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
1	ISSUED FOR BOND CALCULATION	06/13	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: Nos. 6B, 6C, AND SAVANNA IN-PIT LEACH STOCKPILES - CROSS SECTIONS

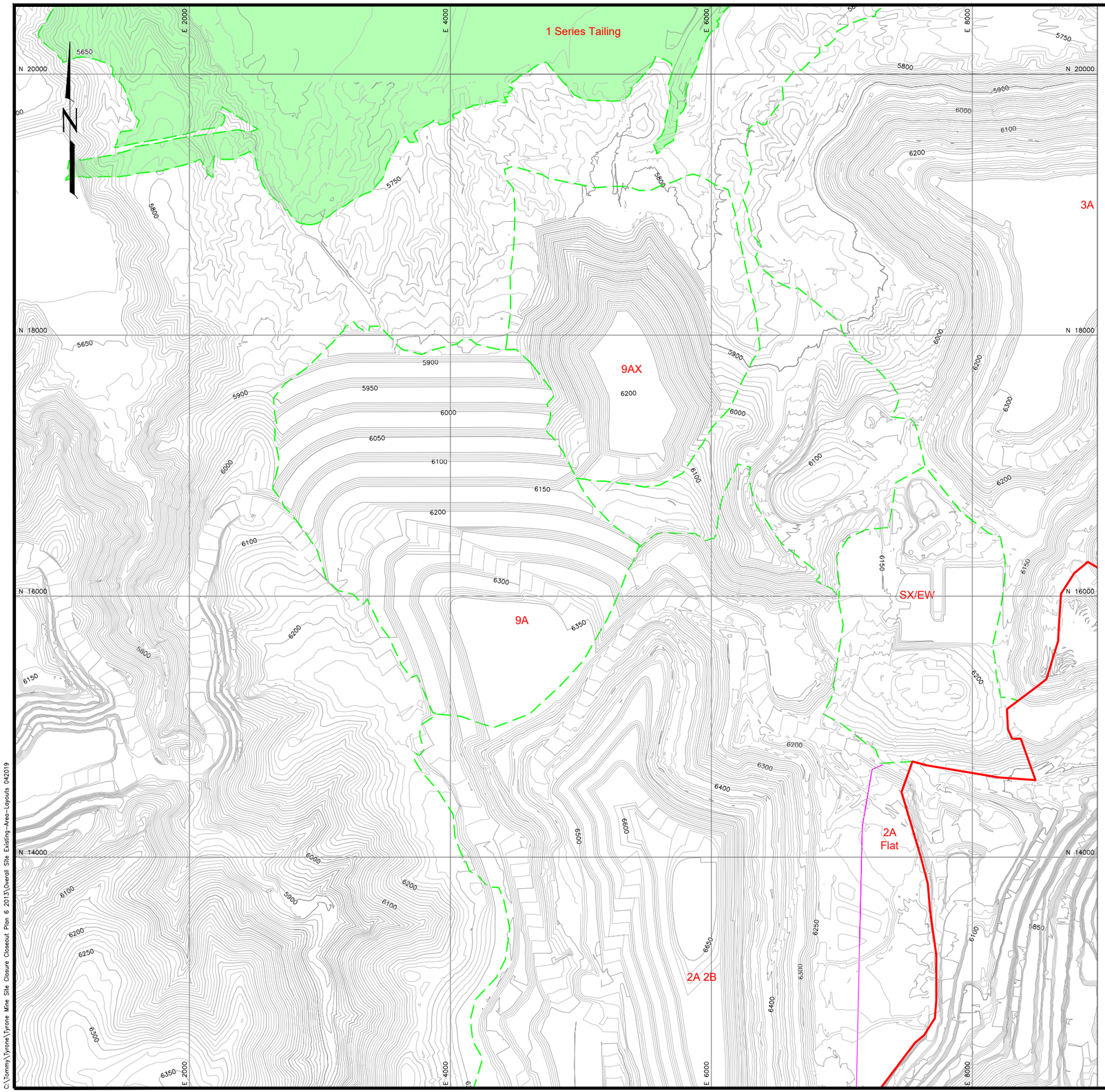
Stantec

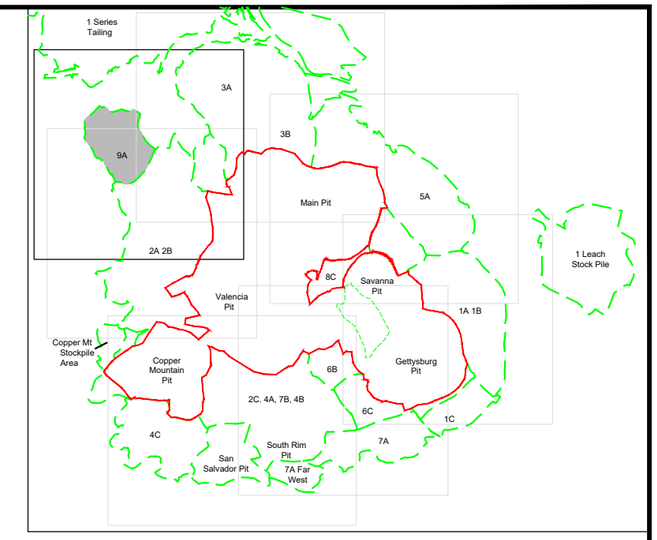
Sheet 28 Of 34 Sheets

SCALE: 1"=100'

DRAWING No. 28

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Cross-Sections-LayoutsREV1 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- LIMITS OF STOCKPILE

SCALE

400' 0 400' 800'

CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: No. 9A OVER BURDEN STOCKPILE 2014 CONFIGURATION

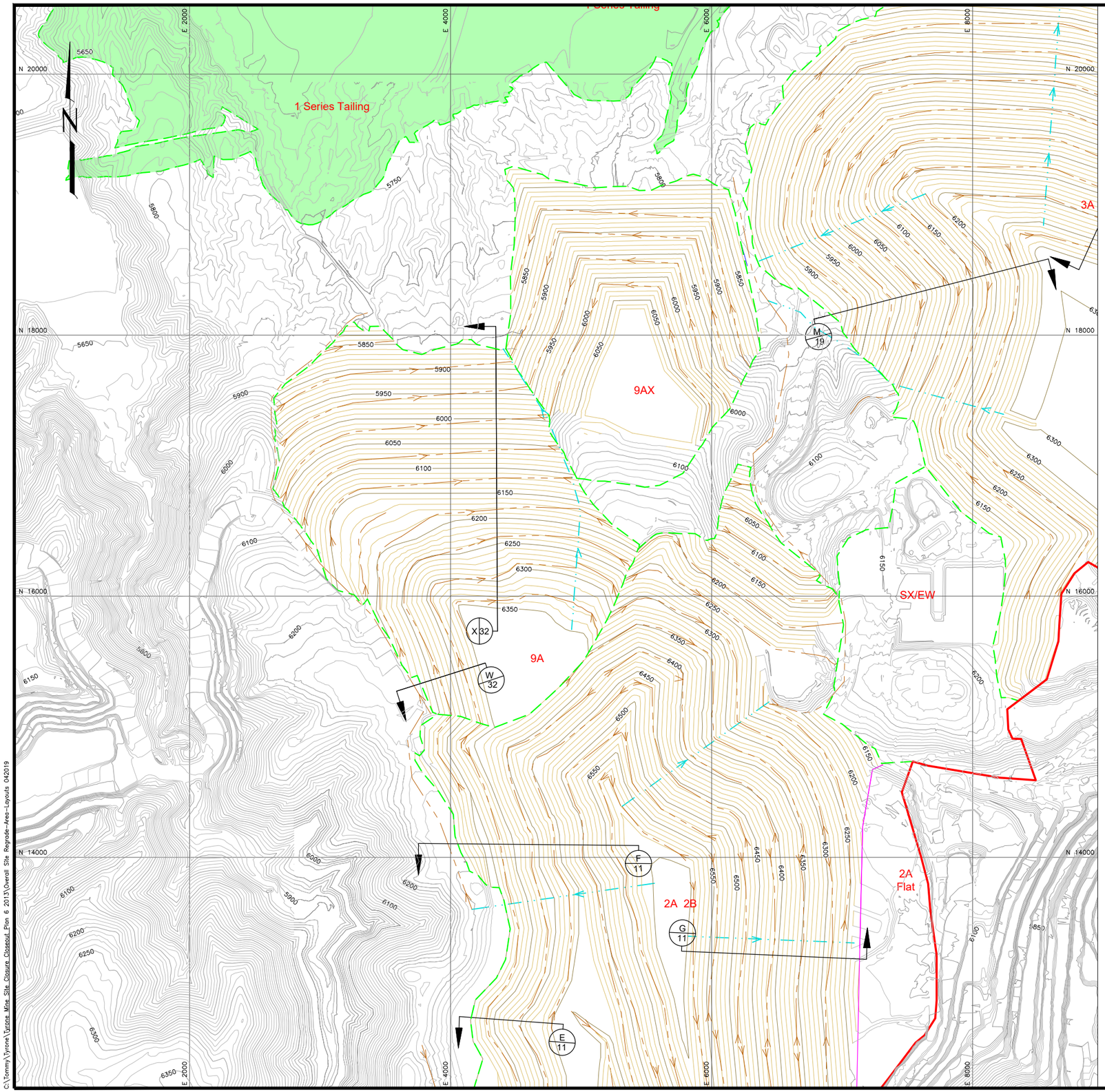
Stantec

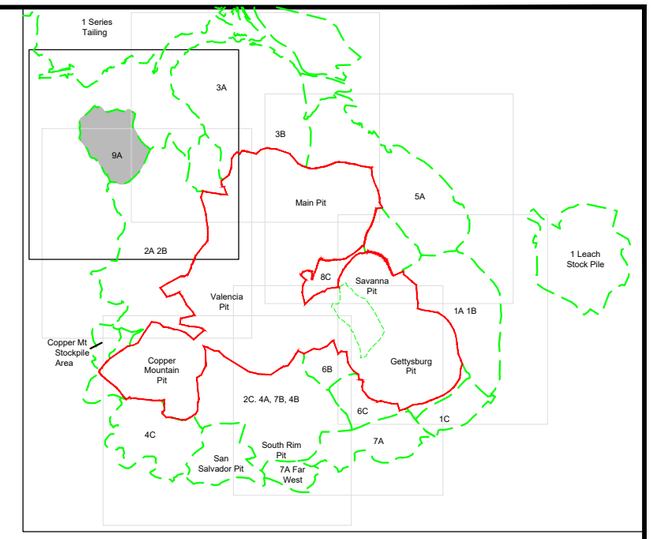
Sheet 29 Of 34 Sheets

SCALE: 1"=400'

DRAWING No. 29

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Existing-Area-Layouts 042019





KEY MAP

LEGEND

- 6250 — EXISTING CONTOURS
- 6250 — REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- STOCKPILE LIMITS
- DOWNDRAIN
- BENCH CHANNEL
- INTERIOR FLAT AREA
- RECLAIMED AREAS (2019)
- A / 8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN

SCALE

400' 0 400' 800'

CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	L.Moore	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: No. 9A OVER BURDEN STOCKPILE GRADING & DRAINAGE PLAN

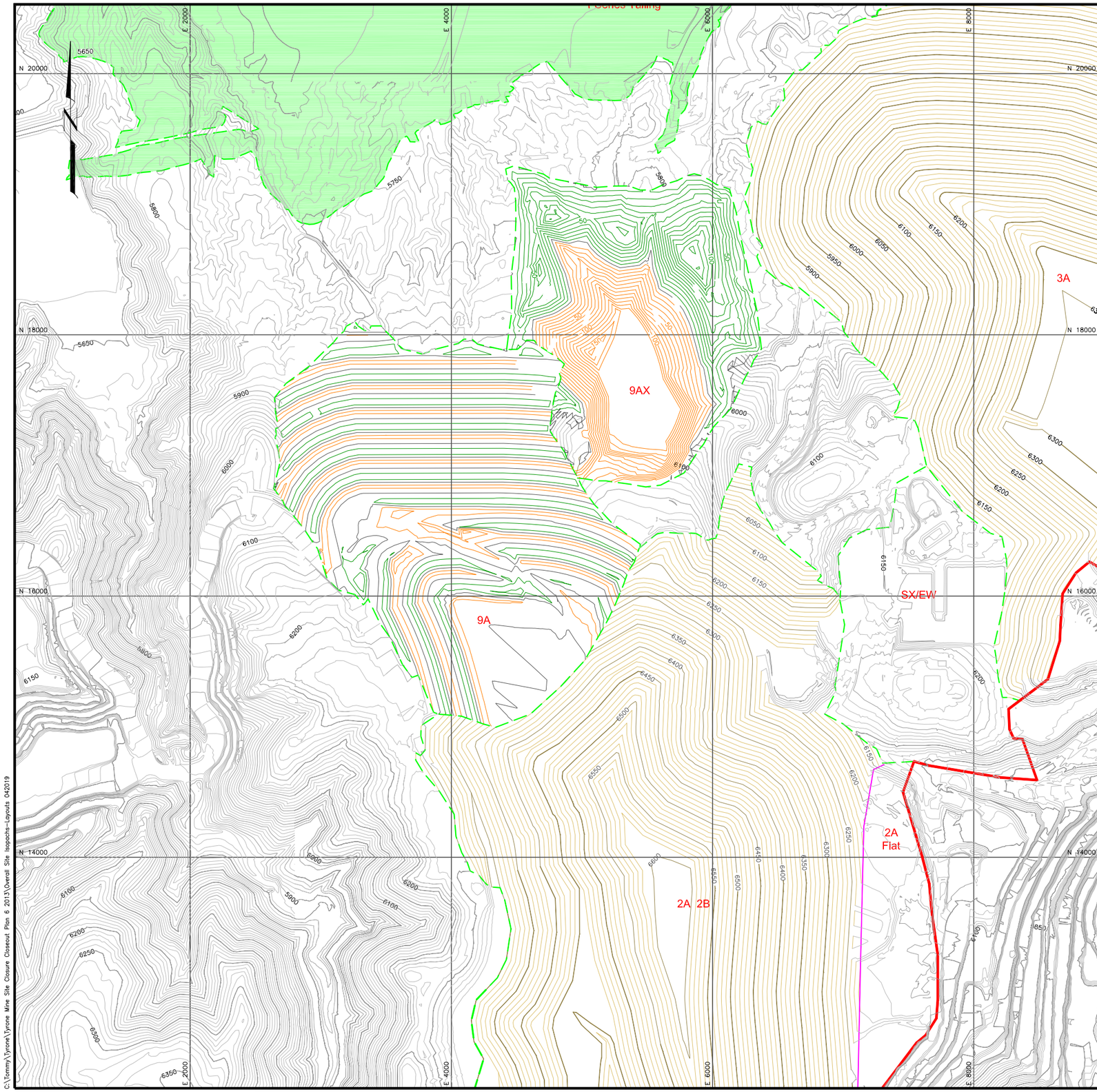
Stantec

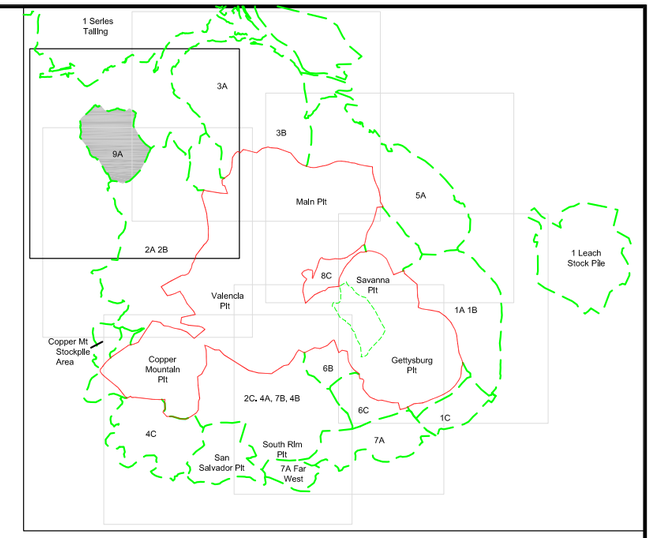
Sheet 30 Of 34 Sheets

SCALE: 1"=400'

DRAWING No. 30

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Regrade-Area-Layouts 042019





KEY MAP

LEGEND

- 6250 EXISTING CONTOURS
- 6250 REGRADED CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- CUT ISOPACH
- FILL ISOPACH
- ZERO ELEVATION ISOPACH
- INTERIOR FLAT AREA
- STOCKPILE LIMITS
- RECLAIMED AREAS (2019)

SCALE
400' 0 400' 800'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATION	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: No. 9A OVER BURDEN STOCKPILE CUT/FILL ISOPACH MAP

Stantec

Sheet 31 Of 34 Sheets

SCALE: 1"=400'

DRAWING No. 31

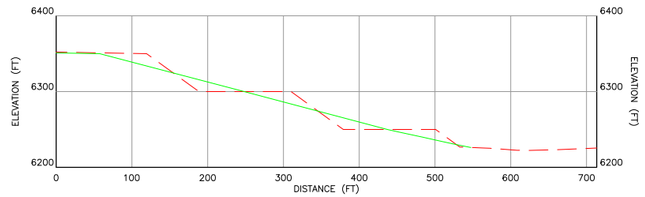
C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Isopachs-Layouts 042019

LEGEND

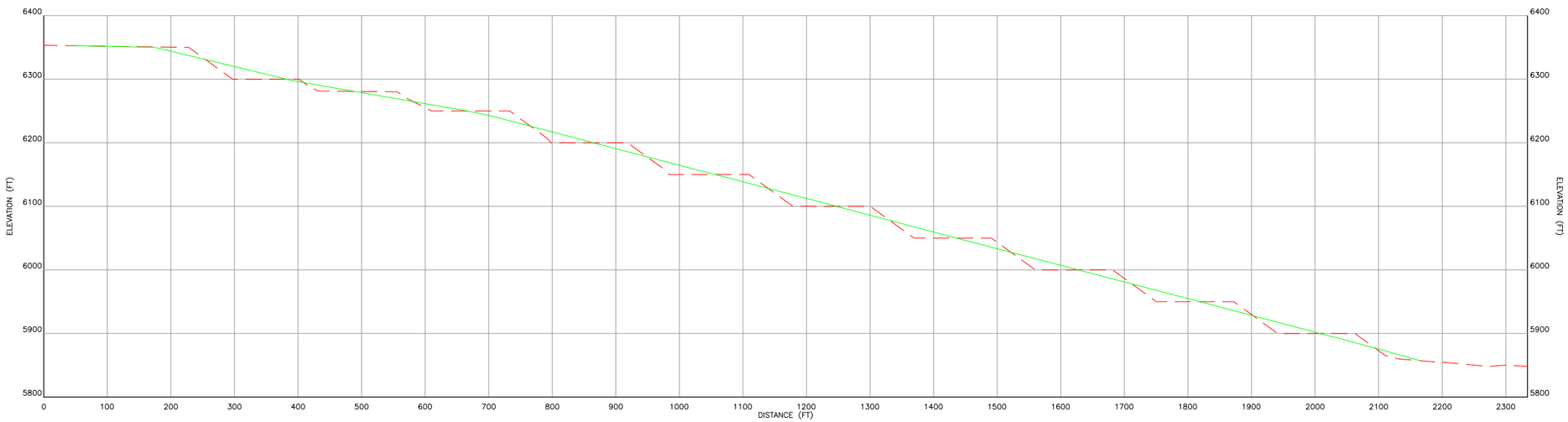
EXISTING GROUND SURFACE

REGRADE SURFACE

A / 8 — DETAIL/SECTION NUMBER; DRAWING No. WHERE DETAIL/SECTION IS SHOWN



W / 30 AREA 9A - CROSS SECTION W



X / 30 AREA 9A - CROSS SECTION X

SCALE

100' 0 100' 200'

Note: The regrade surface shows the overall slope and does not show the terrace benchs that will be constructed on inter-bench outslope angles of 3H:1V at slope lengths no greater than 200'. For the typical final slope configuration refer to Drawing No. 33

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
1	ISSUED FOR BOND CALCULATION	06/13	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: No. 9A OVER BURDEN STOCKPILE - CROSS SECTIONS

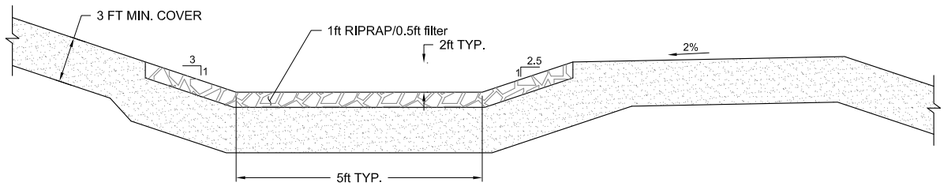
Stantec

Sheet 32 Of 34 Sheets

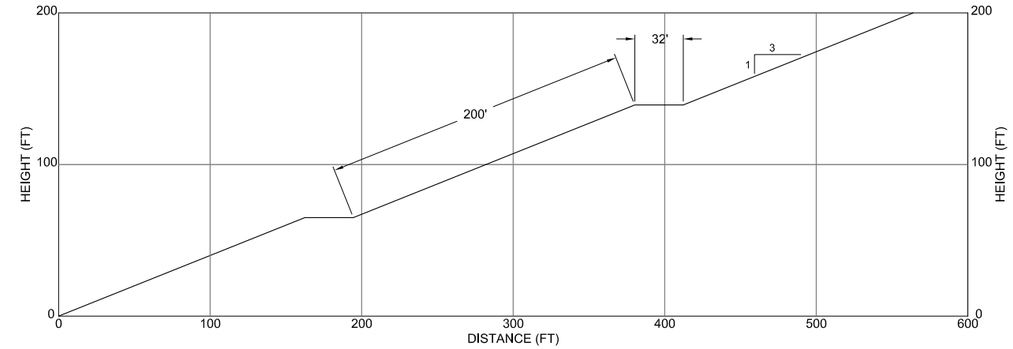
SCALE: 1"=100'

DRAWING No. 32

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Overall Site Cross-Sections-Layouts REV1 042019

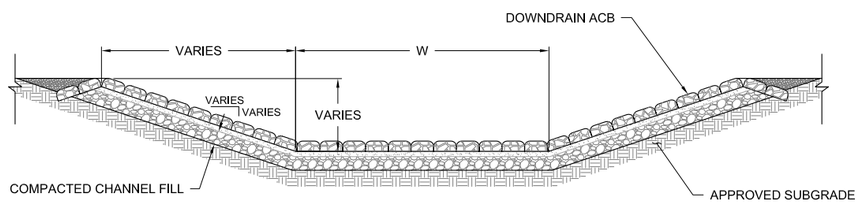


TYPICAL BENCH CHANNEL CROSS SECTION
NOT TO SCALE

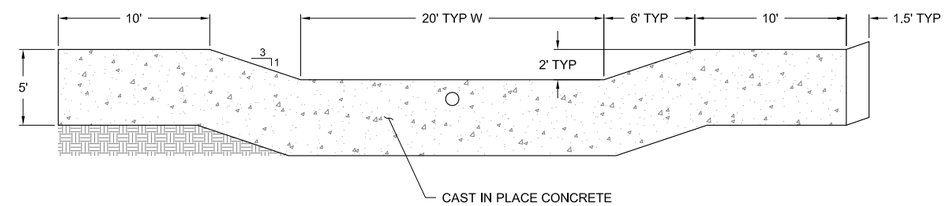


TYPICAL SLOPE CONFIGURATION

SCALE
50' 0 50' 100'

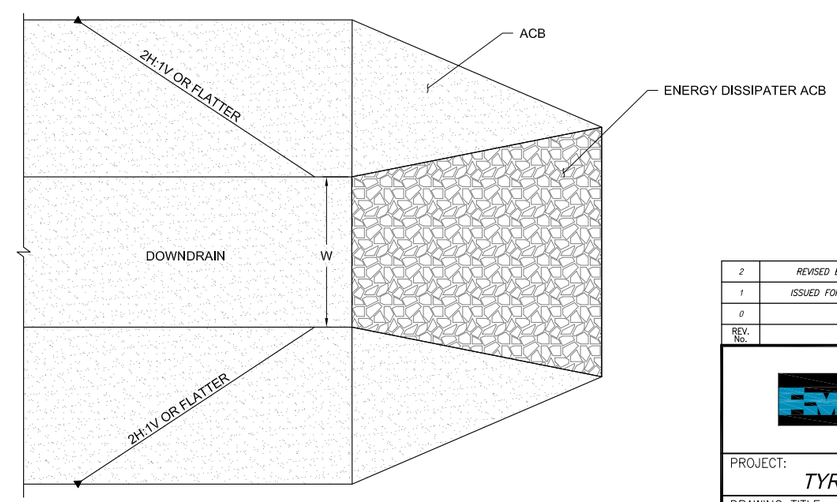


TYPICAL DOWNDRAIN CHANNEL CROSS SECTION
NOT TO SCALE



TYPICAL CUTOFF WALL SECTION

SCALE
5' 0 5' 10'



TYPICAL TOE ENERGY DISSIPATOR PLAN DETAIL
NOT TO SCALE

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATIONS	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	06/13	T.Liedich	T Leidich	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: DRAINAGE DETAILS

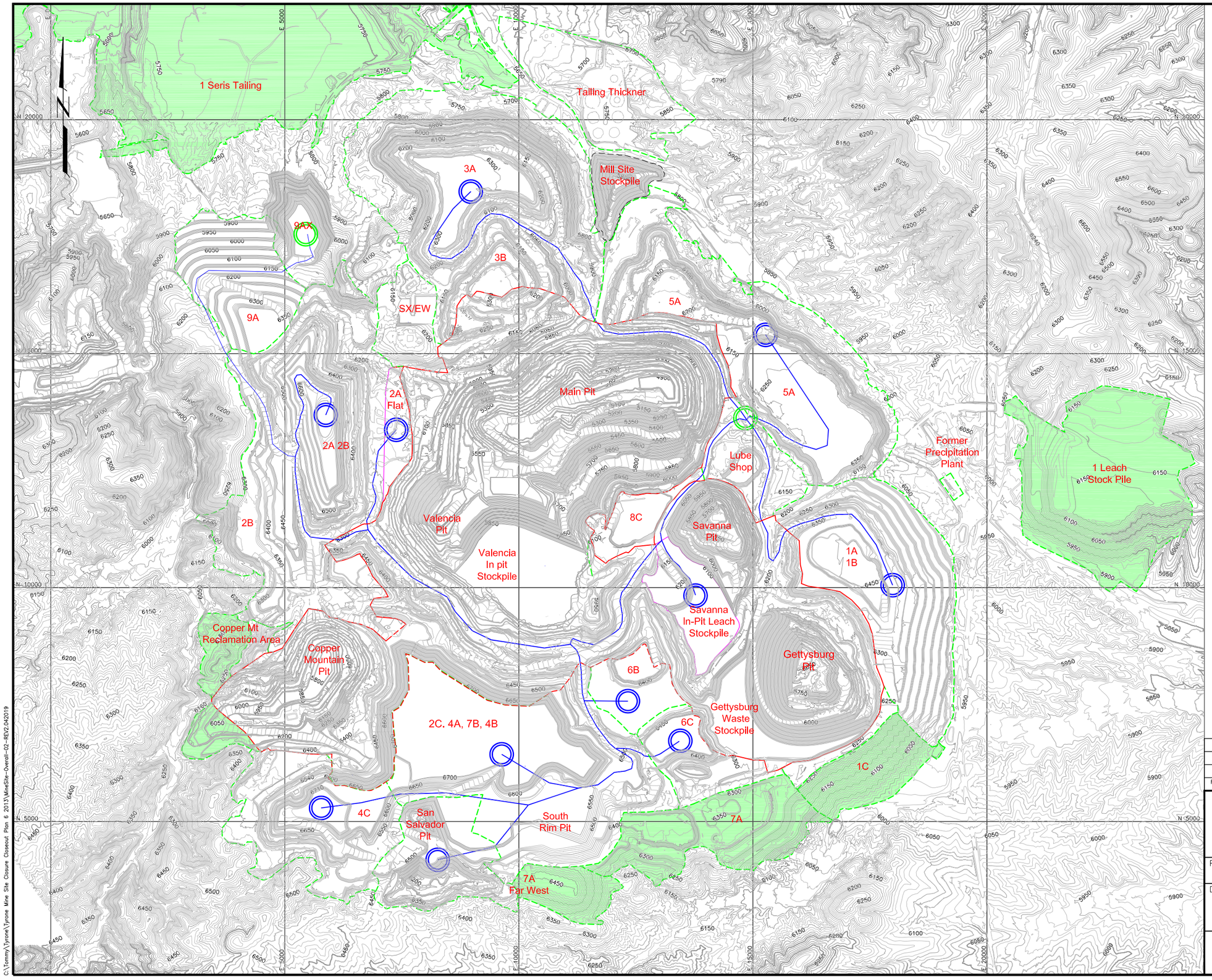
Stantec

Sheet 33 Of 34 Sheets

SCALE: AS SHOWN

DRAWING No. 33

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\Drainage Details 042019



LEGEND

- 6250 — EXISTING CONTOURS
- 2013 CONDITIONAL WAIVER AREA
- REVISED CONDITIONAL WAIVER AREA (based on 2014 mine configuration)
- RECLAMATION AREA
- INTERIOR FLAT AREA
- MINE HAUL ROAD
- CENTROID OF RECLAMATION AREA
- CENTER OF BORROW AREA
- RECLAIMED AREAS (2019)

SCALE
1000' 0 1000' 2000'
CONTOUR INTERVAL: 10'

REV. No.	REVISIONS	DATE	DESIGN BY	DRAWN BY	REVIEWED AND SIGNED BY
2	REVISED BOND CALCULATIONS	5/19	T.Leidich	T.Leidich	
1	ISSUED FOR BOND CALCULATION	08/14	T.Liedich	L.Moore	
0	DRAFT	09/12	T.Liedich	J.Bever	

FREEPORT-McMoRAN TYRONE, INC.

PROJECT: TYRONE MINE AREA RECLAMATION

DRAWING TITLE: HAUL ROUTE MAP

Stantec

Sheet 34 Of 34 Sheets

SCALE: 1"=1000'

DRAWING No. 34

C:\Tommy\Tyrone\Tyrone Mine Site Closure Closeout Plan 6 2013\MineSite-Overall-02-REV2.042019