

LOST AND FOUND

Phone: 13 25 35

BROOCH Found May 26 outside Grace Hotel on King St. City. Ph. 9282 2831 b/h.

DENTAL NOTICES

Phone: 13 25 35

DENTAL Prosthesist with 20yrs exp. Seeking P/T employment in Dental Practice. Currently self-employed. Central Coast. OK to travel. Ph: John 0426 177 110

PUBLIC NOTICES

Phone: 13 25 35

ANY PERSON knowing the existence or whereabouts of a Will made by Nancy Hodgson of Smithfield please ring Ms McCarthy 0404 729 480.

MASTERCARD, Visa, Amex or Diners Club. If you are a casual advertiser with Herald Classifieds you are welcome to prepay your Ad. by Mastercard, Visa, Amex or Diners. Just tell our Sales Adviser when you phone: Herald Classifieds 13 25 35.

MEDICAL NOTICES

Phone: 13 25 35

Surgery For Handover - No Cost

Established, fully accredited, GP practice near Liverpool for immediate handover due to health reasons at no cost. Call 0422 005 909

MASTERCARD, Visa, Amex or Diners Club. If you are a casual advertiser with Herald Classifieds you are welcome to prepay your Ad. by Mastercard, Visa, Amex or Diners. Just tell our Sales Adviser when you phone: Herald Classifieds 13 25 35.

TENDERS

Phone: 13 25 35

NEWCASTLE CITY COUNCIL TURNSTILE/CASHIER SERVICES & KIOSK OPERATIONS AT AGREED SWIMMING CENTRES Contract 2010/4837. Tenders are invited and will be received up to 2.00pm Tuesday 13 July 2010 for the following services: The provision of Turnstile Attendant / Cashier Services & Kiosk Operations at agreed Swimming Centres for a period of up to 3 swimming seasons. The services are required at Beresfield, Mayfield, Stockton & Wallsend Swimming Centres. Tenders may bid for services at either one or more of the four Swimming Centres. Documents are available electronically at www.tenderlink.com/newcastle. Alternatively, hardcopies are available for a non-refundable fee of \$13.00 GST inclusive from the Customer Enquiry Centre, Ground Floor of Council's Administration Centre, 282 King Street, Newcastle, 2300 or by calling (02) 4974 2030. Enquiries must be directed to Peter Withers on telephone 02 4974 5012. A pre-tender meeting will not be held. Responsibility for lodgement by the deadline lies solely with the tenderer. Lodgement information is provided in the tender document. Council is not bound to accept the lowest tender or any tender submitted. A pre-tender meeting will not be held.

MASTERCARD, Visa, Amex or Diners Club. If you are a casual advertiser with Herald Classifieds you are welcome to prepay your Ad. by Mastercard, Visa, Amex or Diners. Just tell our Sales Adviser when you phone: Herald Classifieds 13 25 35.

MELISSA TUTH RITCHIE, late of Wagga Wagga, New South Wales. Would anyone knowing the whereabouts of the above-named wife, please contact Mr Denis Barry, Solicitor, of Victorian Aboriginal Legal Service, 6 Alexandra Parade Fitzroy, Victoria on: Tel. 03 9419 3888. Email dbarry@vals.org.au

BUSINESS OPPORTUNITIES? Herald Classifieds, 13 25 35.

LEGAL NOTICES

In the Supreme Court of New South Wales, Equity Division

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of JOHN JOSEPH MAHER, late of Berocot, Retired Pharmacist, who died 19/05/2010, must send particulars of the claim to the PUBLIC TRUSTEE at the address appearing below within 31 days from publication of this notice. After that time and after six months from the date of death of the deceased the assets of the Estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the Public Trustee has notice. Election to administer with the Will dated 05/11/2004 annexed, was filed in NSW by the Public Trustee on 11/06/2010. Public Trustee, 3/60 Macquarie Street, Parramatta NSW 2124.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of ROY SINGLE, late of Hallidays Point, Pensioner, who died 11/04/2010, must send particulars of the claim to the PUBLIC TRUSTEE at the address appearing below within 31 days from publication of this notice. After that time and after six months from the date of death of the deceased the assets of the Estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the Public Trustee has notice. Election to administer with the Will dated 15/11/2007 annexed, was filed in NSW by the Public Trustee on 11/06/2010. Public Trustee, 2/114 William Street, Port Macquarie NSW 2444.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of JOHN ANDREW TAIG, late of Greystanes, Painter, who died 22/11/2009, must send particulars of the claim to the PUBLIC TRUSTEE at the address appearing below within 31 days from publication of this notice. After that time and after six months from the date of death of the deceased the assets of the Estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the Public Trustee has notice. Election to administer with the Will dated 12/02/1980 annexed, was filed in NSW by the Public Trustee on 11/06/2010. Public Trustee, 3/60 Macquarie Street, Parramatta NSW 2124.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of HELEN ANNE BELL, late of Berkeley, Retired, who died 24/04/2010, must send particulars of the claim to the PUBLIC TRUSTEE at the address appearing below within 31 days from publication of this notice. After that time and after six months from the date of death of the deceased the assets of the Estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the Public Trustee has notice. Election to administer with the Will dated 12/02/1980 annexed, was filed in NSW by the Public Trustee on 11/06/2010. Public Trustee, 59 Market Street, Wollongong NSW 2500.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of CARL WILLIAM WOODHOUSE, late of North Wollongong, Retired, who died 01/04/2010, must send particulars of the claim to the PUBLIC TRUSTEE at the address appearing below within 31 days from publication of this notice. After that time and after six months from the date of death of the deceased the assets of the Estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the Public Trustee has notice. Election to administer with the Will dated 11/06/2010, Public Trustee, 59 Market Street, Wollongong NSW 2500.

ANY person having any claim upon the estate of DOROTHY GLADYS BROOKFIELD, late of Campbelltown, in the State of New South Wales who died on 6 March 2010 must send particulars of the claim to the legal representative for the estate care of Marsdens Law Group, Level 1, 49 Dumargus Street, Campbelltown NSW 2560, not more than 30 days after publication of this notice. After that time the legal representative intends to distribute the property in the estate unless an application or notice of intended application for a family provision order is received by the legal representative.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of NOLA CECELIA RYAN, late of Cullburra Beach, Home Duties, who died 18/02/2010, must send particulars of the claim to the PUBLIC TRUSTEE at the address appearing below within 31 days from publication of this notice. After that time and after six months from the date of death of the deceased the assets of the Estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the Public Trustee has notice. Election to administer with the Will dated 11/06/2010, Public Trustee, 59 Market Street, Wollongong NSW 2500.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of MATE BABIC, late of Stockton, NSW Pensioner, who died 19/03/2010, must send particulars of the claim to the PUBLIC TRUSTEE at the address appearing below within 31 days from publication of this notice. After that time and after six months from the date of death of the deceased the assets of the Estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the Public Trustee has notice. Election to administer the Estate was filed in NSW by the Public Trustee on 14/05/2010. Public Trustee

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of IRWIN CATZEL, late of Woplahra, Shop Proprietor, who died on 12 February 2010 must send particulars of the claim to the executrix Mignon Catzel care of STEPHEN WAWN & ASSOCIATES, solicitors, 601/203 New South Head Road, Edgecliff NSW 2027 within one calendar month from publication of this notice. After that time the assets of the estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the Executor has notice. Probate was granted in NSW on 27 May 2010.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of ESTHER ALICE DOWD, late of Killara in the State of New South Wales, who died on 17 January 2010, must send particulars of the claim to the Executor ROBERT WILLIAM ELLIOTT & PATRICK GRIMES & CO, Solicitors, 139 Longueville Road, Lane Cove, within one calendar month from publication of this notice. After that time the assets of the estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the Executor has notice. Probate was granted in New South Wales on 11 June 2010.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of ESTHER EYRE, late of St Marys in the State of NSW, Council Word Processing Officer, who died on 24 March 2010 must send particulars of the claim to the Executor, Robert Eyre & Lamrock, Solicitors, Unit 4B, 61-79 Henry St, Penrith NSW 2750 within 31 days from publication of this notice. After that time and after six months from the date of death of the deceased the assets of the Estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the Executor has notice. Probate was granted in NSW on 11 June 2010.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of MAUREN GRIFFITHS, late of Bowral, Retired Airline Hostess, who died on 19 April 2009, must send particulars of the claim to the Executors, Kimm Kennedy and Anthony John Felgate care of STACKS/THE LAW FIRM, Suite 121, Gallery Level, Springetts Arcade, 302 Bong Bong Street (PO Box 703), Bowral NSW 2576, DX 4969 Bowral within one calendar month from publication of this notice. After that time the assets of the estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the Executors have notice. Probate was granted in New South Wales on 10 June 2010.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of BRANKO KULIC, late of 61 Milner Road, Guildford, NSW, 2161, Pensioner, who died on 10 December 2009, must send particulars of the claim to the Executrix, Viedunka Kulic c/o NOEL MOCKETT BROWN, of Noel Brown & Associates, Solicitors, Suite 4, First Floor, 13 William Street, Fairfield, NSW 2165, PO Box 39 Fairfield NSW 1860, within thirty (31) days from publication of this notice. After that time and after six (6) months from the date of death of the deceased the assets of the estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the Executor has notice. Probate was granted in New South Wales on 8 June 2010.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of MICHAEL JAMES BURGER, late of Marsfield who died on 16 October 2009, must send particulars of the claim to the legal representative for the estate care of Peter Prior & Co, 2/143 Pacific Highway, Hornsby NSW 2077, phone (02) 9476 5888, PC:090293, not more than 31 days after publication of this notice. After that time and after six months from the date of death of the deceased the assets of the estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the legal representative has notice, and (2) intends to distribute the property in the estate unless an application or notice of intended application for a family provision order is received by the legal representative. Letters of Administration were granted in New South Wales on 20 May 2010.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of JENNIFER JANE HUGHES also known as Jennifer Jane Rutthven Hughes also known as Jennifer Jane Rutthven Wallace, late of Roseville in the State of New South Wales who died on 29 December 2009, must send particulars of their claim to the Executor, Belinda Anne MacLeod care of Alfred J. Moran & Son, Solicitors, 84 Pitt Street, Sydney NSW 2000, within one (1) calendar month from publication of this notice. After that time the assets of the estate may be conveyed and distributed having regard only to the claims of which at the time of distribution she has notice. Probate was granted in New South Wales on 27 May 2010. Telephone: 9232 7144.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of FREDA KELSEO, late of Unit 4, 53 Kurrajong Street, Sutherland in the State of New South Wales who died on 23 February 2010 must send particulars of the claim to the Executor, Bruce Kelsio, care of Hannigans, 82 Centre Street, Casino NSW 2470, DX 20664 Casino, Phone 02 6662 4122, ref FGH.AN.C10291V, within one calendar month from publication of this notice. After that time the Executor may distribute the assets of the estate having regard only to the claims of which at the time of distribution the Executor has notice. Probate was granted in New South Wales on 8 June 2010.

NOTICE OF INTENDED DISTRIBUTION OF ESTATE. Any person having any claim upon the estate of MICHAEL JAMES BURGER, late of Marsfield who died on 16 October 2009, must send particulars of the claim to the legal representative for the estate care of Peter Prior & Co, 2/143 Pacific Highway, Hornsby NSW 2077, phone (02) 9476 5888, PC:090293, not more than 31 days after publication of this notice. After that time and after six months from the date of death of the deceased the assets of the estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the legal representative has notice, and (2) intends to distribute the property in the estate unless an application or notice of intended application for a family provision order is received by the legal representative. Letters of Administration were granted in New South Wales on 20 May 2010.

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ABEL UNDERGROUND MINE. donaldson coal. Donaldson Coal is developing a Subsidence Management Plan (SMP) to accompany an application to Industry & Investment NSW for Pillar Extraction mining at Abel Mine in the SMP application Area 2 outlined below. Once prepared the draft plan will be advertised and displayed for comment.

Map showing the location of the Abel Underground Mine. The map includes labels for 'BLACKHILL ROAD', 'JOHN RENSHAW DRIVE', and 'F3 FREEWAY'. A legend indicates 'Subsidence Management Plan Application Area 2' and 'Existing Workings'. A scale bar shows 0, 1km, and 2km. A north arrow is also present.

CONSTRUCTION ENGINEERING. SUBCONTRACTORS/Suppliers Construction Engineering is seeking contractors for our project. Bega Marketplace. For the trades of Concrete, Formwork, Structural Steel & Services. Please contact Construction Engineering P/L Ph (03) 9699 1122 Fax (03) 9699 7579. TENDERS WEB SERVICES. LOG ON TO TENDER me.com.au www.tenderme.com.au

ANY person having any claim upon the estate of DOROTHY GLADYS BROOKFIELD, late of Campbelltown, in the State of New South Wales who died on 6 March 2010 must send particulars of the claim to the legal representative for the estate care of Marsdens Law Group, Level 1, 49 Dumargus Street, Campbelltown NSW 2560, not more than 30 days after publication of this notice. After that time the legal representative intends to distribute the property in the estate unless an application or notice of intended application for a family provision order is received by the legal representative.

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PUBLIC ANNOUNCEMENTS

NEWCASTLE NEWSPAPERS PTY LIMITED
(The Herald, Lakes Mail, Port Stephens Examiner)
GENERAL TERMS AND CONDITIONS FOR COMPETITIONS/PROMOTIONS

- Information on how to enter and conditions of entry. Some conditions do apply to particular prizes as specified. Enter as many times as you wish, but each written entry must be in a separate envelope.
- Original entry forms only. Photocopies accepted.
- When entering competitions via sms, you may enter as many times as you wish.
- Entry is free and open to all New South Wales residents.
- Employees of the promoter and its agencies associated with any promotion of Newcastle Newspapers Pty Limited are ineligible to enter.
- The promoter is Newcastle Newspapers Pty Limited, publisher of The Herald, The Star, Port Stephens Examiner, Lakes Mail, 28 Bolton Street, Newcastle NSW 2300. Tel: 080 000 5822. Fax: 080 000 5823.
- Winners will be drawn at 11am on 28 June 2010 at Newcastle Pty Limited, 28 Bolton Street, Newcastle NSW 2300, or as specified. Winners will be notified by mail or by telephone. Prizes will be available in the next available issue of the Herald. The Star, Port Stephens Examiner, Lakes Mail, 28 Bolton Street, Newcastle NSW 2300.
- Prizes are non-transferable and will not be redeemed for cash. The promoter shall not be liable for any loss or damage whatsoever not limited to direct or consequential loss, or personal injury sustained or suffered during the course of prize winning with any other person.
- In travel prizes, winner must make their own way to and from the carrier's nearest departure point. Responsibility for luggage, meals, travellers cheques, insurance, passport, and visa applications, departure tax, international expenses, and other such matters other than travel prizes may be subject to certain restrictions as can be taken during Australian School Holidays, cancellations, etc. Accommodations, etc. airfares are subject to availability and must be taken before a date specified per promotion. Meals and transfers not included unless specified.
- Prizes will be awarded unless specified otherwise. The promoter reserves the right to prorate cash and prizes winners.
- Prize information, original information forms, etc. collected by Newcastle Newspapers and will be used to enter you in competitions and for the distribution of prizes. If you wish to be removed from our database, you must inform us about Newcastle Newspapers products and services. If you are a prize winner, your personal information will be given to the supplier of the prize. Your information do not wish your information to be disclosed to our partners or used to inform you of products and services, you will have the option to opt out of this information. (TPM/09/05867)

All Aluminium Scrap Removed Free of Charge
Ph: 4955 1283

GRESFORD COMMUNITY MARKETS

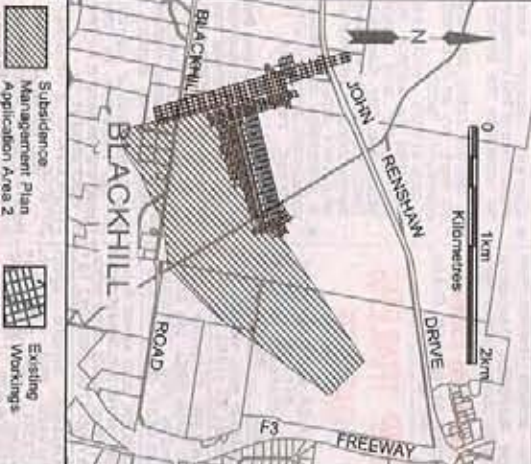
Sunday 20/6/10 - 9am-2pm
Sat. Cleveland, Horsfield Rd
For bookings Ph: 4358 9486

+82 THE HERALD

ABEL UNDERGROUND MINE ANNOUNCEMENTS



Donaldson Coal is developing a Subsidence Management Plan (SMP) to accompany an application to Industry & Investment NSW for Pillar Extraction mining at Abel Mine in the SMP application Area 2 outlined below. Once prepared the draft plan will be advertised and displayed for comment.



Any person wishing to provide input to the preparation of the plan can contact the mine on (02) 40151100

PUBLIC ANNOUNCEMENTS

ATTENTION PRIVATE PARTY ADVERTISERS

As from Thursday 1 July 2010, all private party advertisers advertising placed by private party advertisers in the Lakes Mail and The Lakes Examiner must be repaid before publication, except for advertising in domestic trade classifications and classifieds. Private party advertiser is a party advertiser who cannot provide an Australian Business Number or Number at the time of placement of advertising. Advertising may be provided by Visa, MasterCard or Diners Card, or by our offices at 28, 30 Bolton Street, Newcastle NSW 2300. Moreside, 10 William Street, Raymond Terrace, 28 Donald Street, Nelson Bay, or at selected newspapers. HERALD Classifieds Phone 131 696 My Paper.

PUBLIC ANNOUNCEMENTS

BOAT LICENCE

Marine radio, coxswain and deckhand training. Courses weekly. www.abilunderground.com.au Phone 0434 803 687

THE NEW ELDER ST. PRACTICE

General Practitioners 92 Elder Street (new number) Ph: 4950 9600

GREATTER NEWCASTLE GOLF AND HEALTH CLUB

Will hold the AGM, Thursday 1st July 2010, 10.00am at 5.30pm at Diggers Newcastle City, Hanbury Street, Mayfield. The Forum is a committee of volunteers keen to have a say about realcore services in the Hunter region.

Hamilton Auto Port

now trading as **Newcastle Car Services** located at 42 Union St, Newcastle New Ph: 4926 5555

HILLSBOROUGH Public School

Public school 28 having a fence on We are after 2000-2008 period parties to hold stalls on the night. All types of stalls (food, gifts, etc) well come. To register your interest or to find out more please contact Ginas on 0409542841

JAMES BURROWS ILLUSION HAIR ART

9590 8977

PUBLIC ANNOUNCEMENTS

Shopping in Bail

Going to Bail and want to buy a book, turntable, stereo, building materials, etc. iMovie can make all your importation arrangements. Contact: 434 1 9278 www.iMovie.com.au

TOMAGO TOMAREE STOCKTON

EXPRESSIONS OF INTEREST FOR SALE OF WATER RIGHTS. Please call 0402 818 467

Waratah High School Reunion Year 10, 1988

A reunion is planned for students and readers from Waratah High School for the 1988 Year 10 class. To be held at Mayfield Ex-services Club on Saturday 28 August 2010. For more information or 0411 399 896 or email: 31@hotmail.com for further details.

WINNERS of the Harrish Books and Paper Raffle

1st: N. Robinson
2nd: S. Quick
3rd: N. Robinson
All prizes have been distributed.

LEGAL SERVICES

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FOUND Tortie Point Birman X. Cat. 49523 872.

LOST dark green Larknet (Scarley breast), loved pet from Belmont area. Ph 4946 9288

LOST grey cat with red collar missing from Elmore Vale. Please phone 0414 472 058

LOST Quarter from Maryfield area. Whistler pet. Call: 4968 0845

LOST Rose gold ring. Call: 4968 0845

LOST 2000K gold \$155. REWARD 0419 272 922

HERALD CLASSIFIEDS GPM DAY PRIOR TO PUBLICATION (except Saturdays, Domain and Motors) PHONE 131 696

NBN LIMITED and SBS CORPORATION

PUBLIC NOTICE

NBN Television and SBS Corporation advise that they commenced a test transmission of 3D TV (television) video format on or after midnight, Wednesday 19th May 2010. The transmission is, of a full scale, only, and is intended to operate for a period of 9 weeks. This transmission originates from two main city transmitters only, located at Cooks Hill and Darakston on Charvee St (508,510). The digital service channel number is 12 (Channel 4). This transmission carries 3D video content in H.264 (MPEG-4) format and will not necessarily be able to be received on current HDTV receivers. Only specific 3DTV receivers will be capable of decoding the signal and displaying the video content in stereoscopic format. If this test transmission causes interference or problems with your digital television tuning or reception, please contact one of the following:

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Tel: 02 4928 2003 Or email: nbnvideo@nbn.com.au
Or go to online at www.nbn.com.au under Digital Television
SBS Corporation - 1800 500 777

Babies of 2010

The Herald will publish a special coloured lift out magazine, **Baby Talk - Babies of 2010**, introducing the babies born in Newcastle and surrounding regions throughout the year on Monday 24th January 2011.

This is a unique opportunity to show off your pride and joy to the thousands of readers of The Herald, as well as providing a lasting keepsake for you and your family.

To register your interest please call Herald Classifieds on 131 696 or email osmith@newcastle.fairfax.com.au and we will post or email you an application form and further details. The cost of the publication of your baby's treasured photo is \$66 (single) or \$88 (twin) including full colour.

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Monday 28th June, 2010 at 6:30pm, 528 Hunter Street. To book your seat call 13 19 01.

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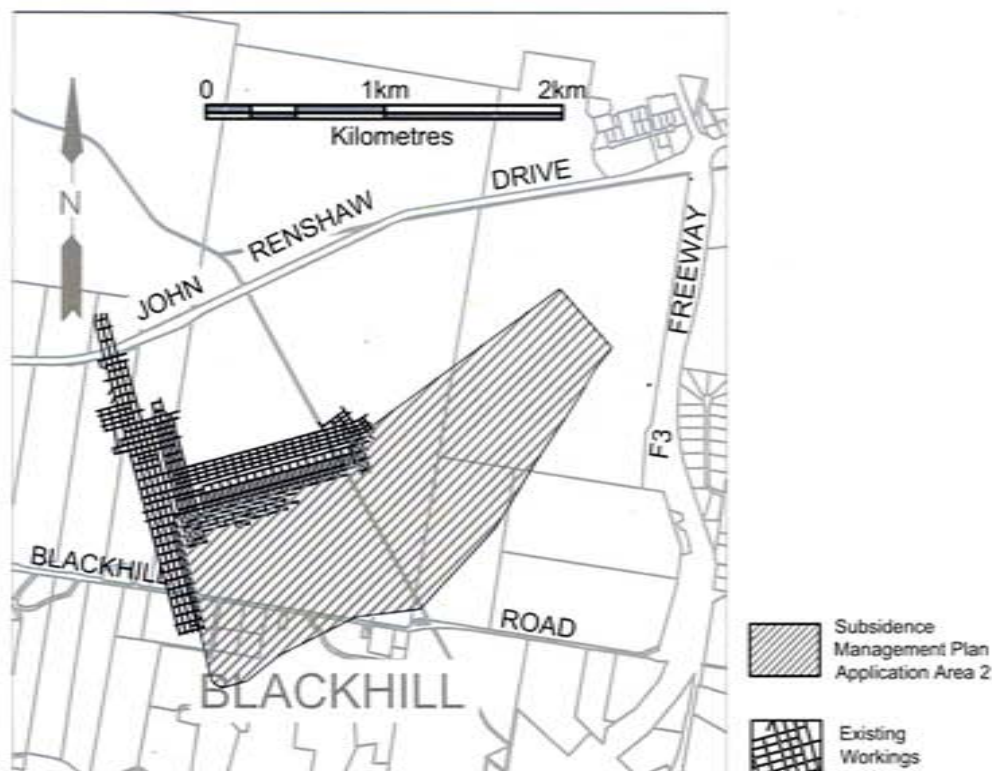
ABEL UNDERGROUND MINE

Community Newsletter



Donaldson Coal Pty Ltd ABN 87 073 088 945

Donaldson Coal is developing a Subsidence Management Plan (SMP) to accompany an application to Industry & Investment NSW for Pillar Extraction mining at Abel Mine in the SMP application Area 2 outlined below. Once prepared the draft plan will be advertised and displayed for comment.



Any person wishing to provide input to the preparation of the plan can contact the mine on (02) 40151100



Community Information Line
1800 111 271



Welcome to the Abel Underground Mine Community Newsletter.

Abel is an underground coal mine owned by Donaldson Coal, which commenced operation in March 2008.

Coal is extracted using the bord and pillar method, which uses continuous miners for first workings and secondary extraction. This two stage process accommodates irregular shaped coal deposits, enables adjustment to extraction to control subsidence and maximizes the efficiency of the operation. To date it has produced over 965,000 tonne of Run of Mine (ROM) coal.

The mine is currently manned by over 167 employees and 14 contractors. An increasing number of Donaldson's employees have joined the mine through an innovative training program developed to equip inexperienced miners with the skills to work in an underground coal mine. In addition to helping meet Donaldson's needs, the program has provided an innovative way for people to learn new skills and gain entry into the mining industry.



Donaldson Coal takes its environmental responsibility very seriously and at present is conducting amphibian and aquatic studies within the project area. The mine is also in the process of developing a Subsidence Management Plan (SMP) for application Area 2 and is seeking community feedback. Please see the back page of the newsletter for a map and further information.

Helping the Local Community

John Renshaw Drive / Black Hill Intersection



From its inception, Donaldson Coal has made a commitment to support vital programs to address issues such as skill shortages and unemployment, education and the environment in local lower Hunter communities.

To ensure this commitment is properly administered, the company has set up a number of Trusts and allocated funds to allow them to take the initiative. The Donaldson Job Creation

Trust is designed to fund programs to help generate employment in the Hunter Region. The Donaldson Conservation Trust funds environmental initiatives, and the Donaldson Community

Trust helps local communities achieve their objectives. The Trusts are independently administered by representatives from both Donaldson and the community, ensuring that target areas and

issues important to the local community are identified. In addition to the Trusts, Donaldson Coal also supports a range of local projects. To help improve road safety, for example, Donaldson

contributed \$250,000 towards the upgrade of the Black Hill Road intersection on John Renshaw Drive.

» Donaldson Conservation Trust

Donaldson Coal takes its environmental responsibility very seriously and for this reason has committed to contributing \$1-million over ten years to environmental conservation.

The Donaldson Conservation Trust has been set up specifically to fund environmental education, research, environmental management works or activities within State Conservation Area lands or other environmentally valuable lands that lie within or above Donaldson's mining leases,

exploration licenses or other land owned by the company. The Trust has recently commissioned the development of a multilayered GIS computer model that incorporates significant natural and man-made features within the geographical area, including information sourced from all public domain data

and private studies. This report will form the basis for all decision making to ensure that funds are most appropriately spent. The Trust has also recently released \$22,000 in funds for a terrestrial bat study as part of a PHD study being undertaken by a student at Newcastle University.

» Donaldson Job Creation Trust

Through the Donaldson Job Creation Trust, Donaldson Coal has given the undertaking to distribute \$1-million to encourage employment and training in the Hunter region, not just within the mining industry but across a range of industries.

The aim of this Trust is to provide training and job experience to improve the ability of people to compete in the job market, and fill skills

gaps in the Region. Since 2002, the Job Creation Trust has funded a number of training programs run by the Hunter Valley Training

Company, including a number of school based courses specifically designed to help youth at risk. A grant has also been given to

» Donaldson Community Welfare Trust

To contribute to community welfare, Donaldson Coal has committed \$250,000 over five years on educational needs, community works or other activities of benefit to the community within the Abel Underground Mine Area.

The Donaldson Community Welfare Trust allocates funding every six months, with a minimum of \$10,000 dedicated to educational projects linked to Black Hill Public School each round. An additional \$15,000 is made available for

other projects of benefit to the community within the Abel underground mine area. In addition to funding for the School, the Trust has recently provided \$12,000 in funding for the restoration of the historical cemetery at



• Benwerrin Rural Fire Brigade Station.

Black Hill and \$30,000 for the Benwerrin Rural Fire Brigade Station.

Trainees at Hunter Valley Training Company with HVTC Chair Milton Morris and Mark McPherson



the Maitland Region Art Gallery to further support local talent and boost its promotions effort with the appointment of a full-time graphic designer.

Donaldson Coal
Abel Mine
SMP STAKEHOLDER MEETING
ABEL SMP AREA 2

9 September 2010

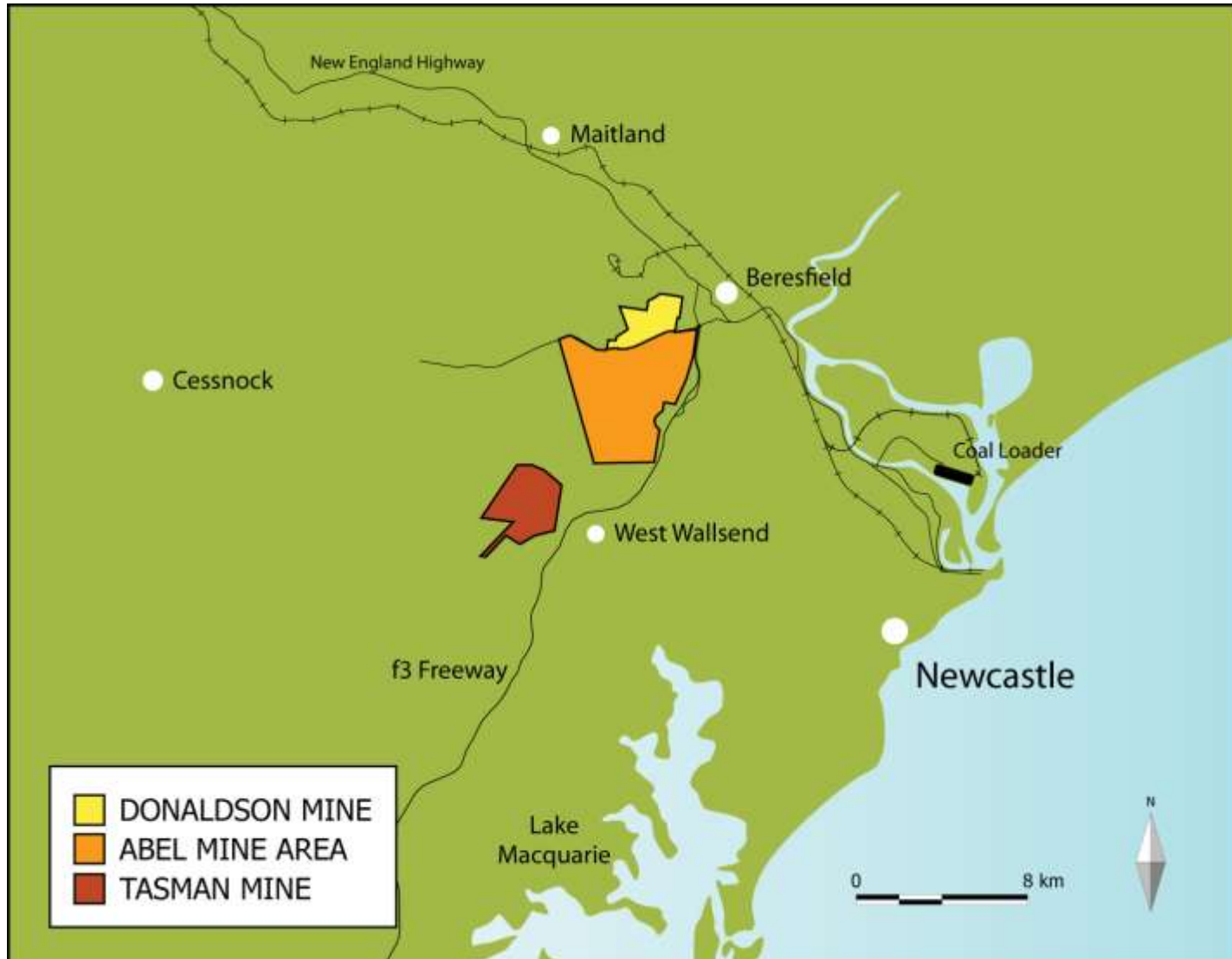
- Introduction and Meeting Objectives
- Donaldson Coal Background
- The Subsidence Management Plan (SMP) Process
- Abel Mine
 - Project Approval
 - Mine Planning
 - Mining Methods
 - Area 1
 - Area 2
 - SMP Area Surface Environment Assessment
- SMP Area 1 Approvals and conditions, Management Plans, Monitoring Programs

- Panel 1 (SMP Area 1) Progress to date
- Subsidence Results Panel 1, impacts and remediation
- SMP Area 2 Key surface features
 - Man made and Natural features potentially impacted by subsidence, including
 - Properties
 - Roads
 - Powerlines
 - Waterlines
 - Dams
 - Other infrastructure
- Abel SMP Area 2 Subsidence Assessment and Predictions
- Abel SMP Area 2 Subsidence Impacts
- Abel SMP Area 2 Proposed Monitoring
- Abel SMP Area 2 Mining Schedule
- Field Visit SMP Area 1/2

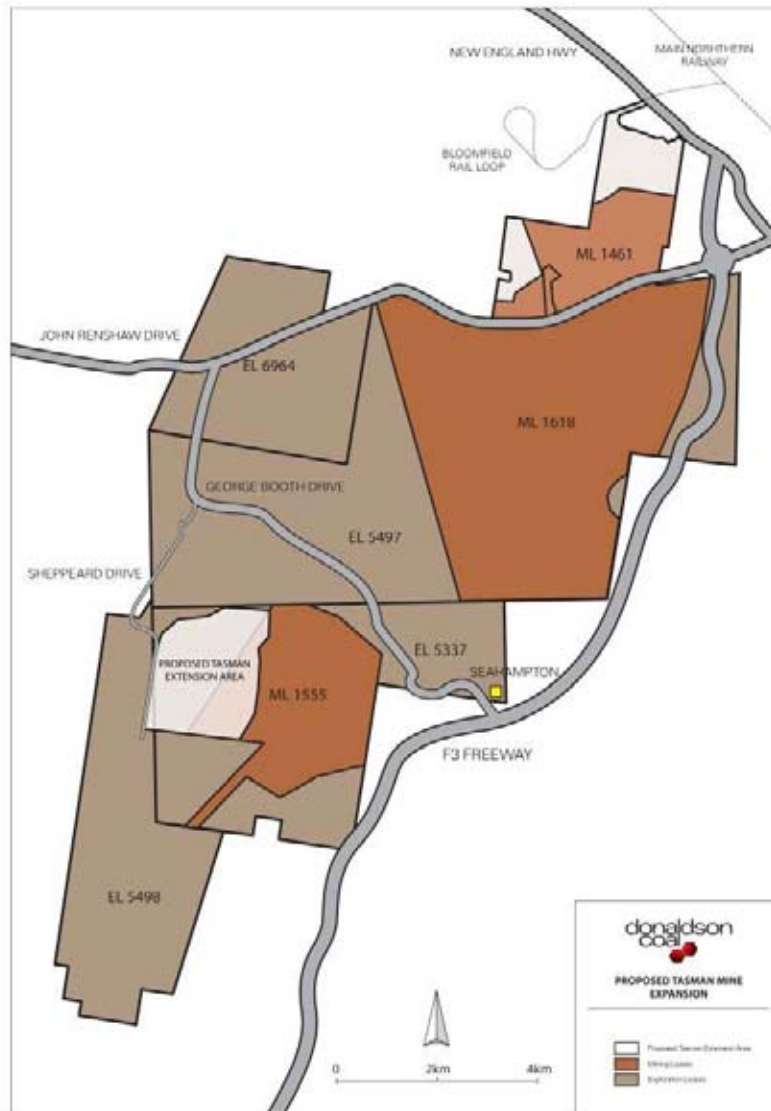
Meeting Objectives

1. Provide interested parties with an introduction to both the Subsidence Management Planning Process, review the approval procedure, update the results of mining Area 1 to date and outline the planning and baseline studies conducted in relation to the Abel mining proposal for Abel Area 2.
2. Consult with interested parties to identify any potential issues or relevant concerns to be considered and addressed in the preparation of the Subsidence Management Plan for Abel Area 2.

Location of Donaldson Coal Operations



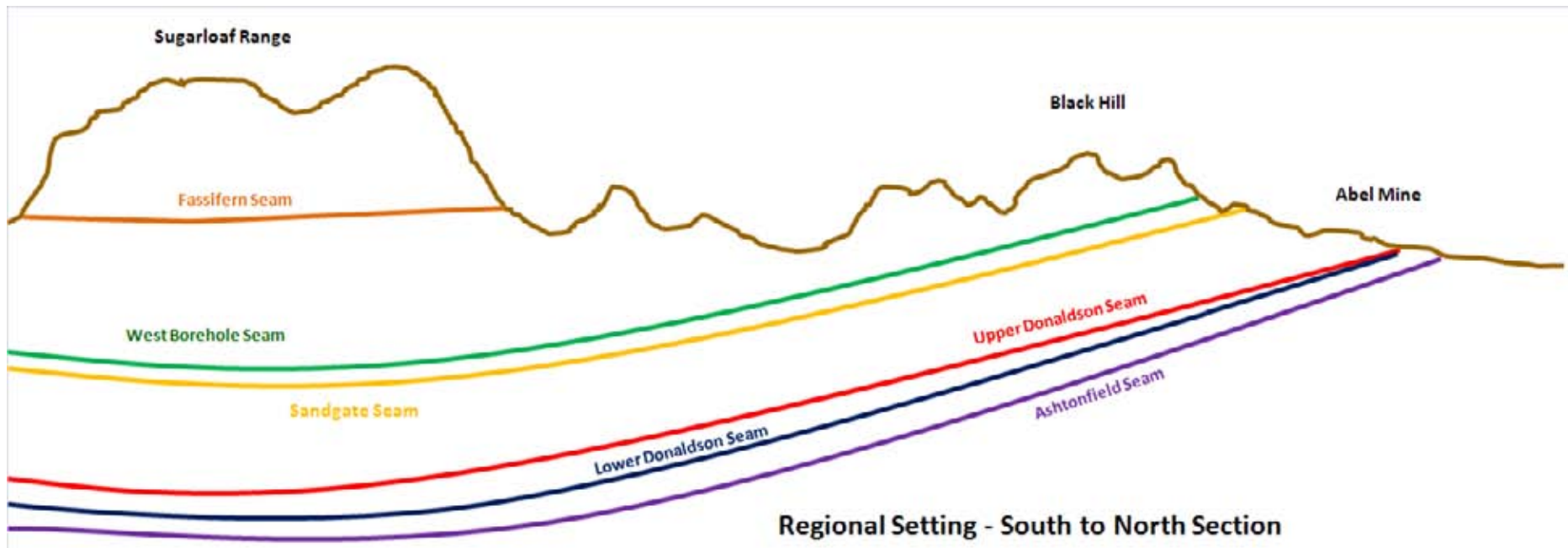
Lease Areas



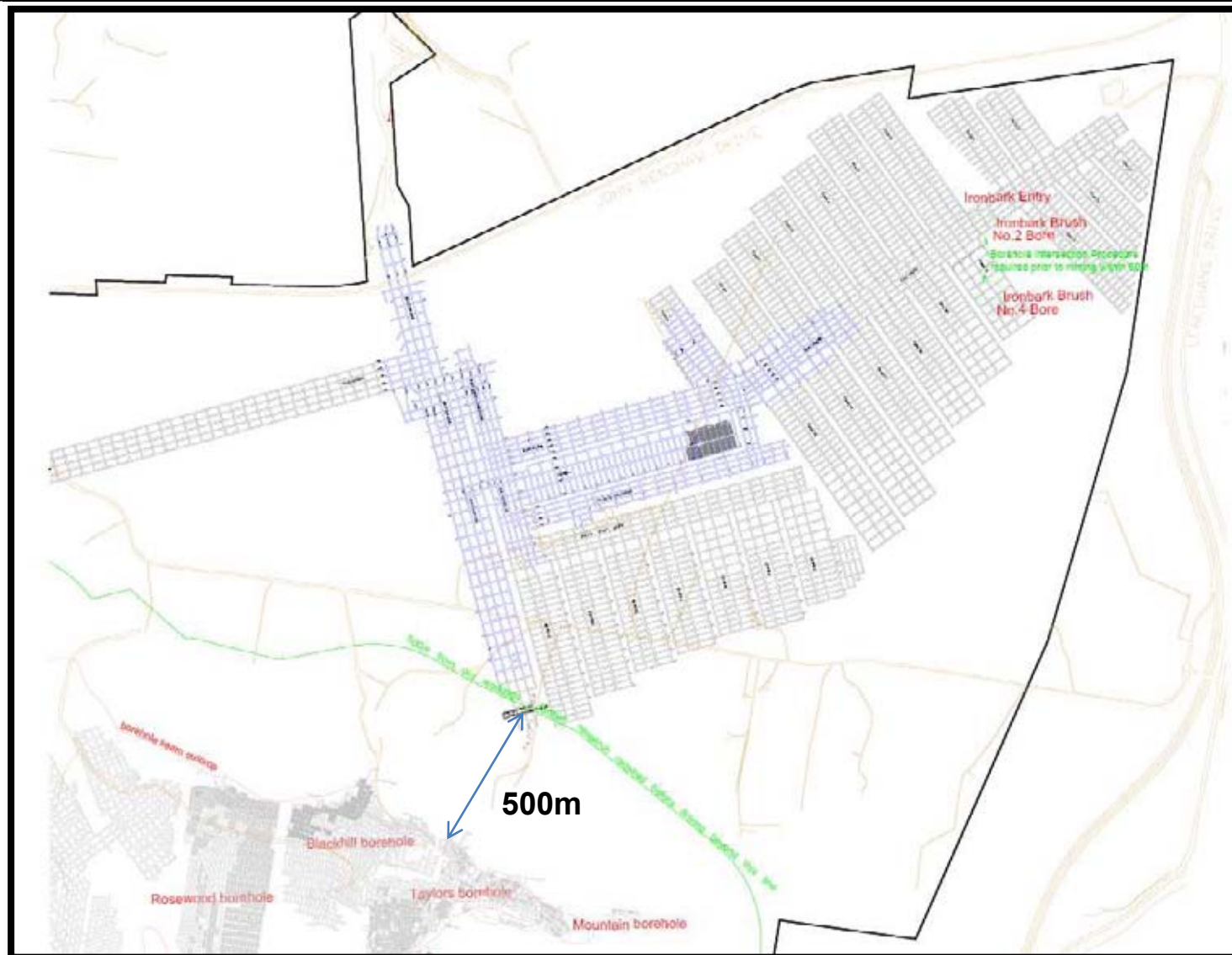
- Current Mining Leases:
 - ML 1461 (Donaldson O/C)
 - ML 1618 (Abel U/G)
 - ML 1555 (Tasman U/G)
- Current Exploration Areas:
 - EL 5337 (Tasman)
 - EL 5498 (Tasman)
 - EL 5497 (Abel)
 - EL 6964 (Abel)

Geological & Mining Setting

- ◆ Target seams are part of the East Maitland/Tomago district Four Mile creek formation
- ◆ Seams dips to south



Old Workings Borehole Seam



SMP Application Process

- Approval process introduced in March 2004 for the management of coal mining subsidence (*New Approval Process for Management of Coal Mining Subsidence – NSW*)
- Condition of Abel's Mining Lease 1618 that the leaseholder shall prepare a Subsidence Management Plan prior to commencing underground mining operations which will potentially lead to subsidence of the land surface
- This SMP process is currently being reviewed by Industry & Investment and Department of Planning.



- ◆ **Subsidence**- Vertical movement of the land surface caused by underground coal mining. For the purposes of the SMP approval process, subsidence is defined as mining-induced movements and deformations at the ground surface where:
 - ◆ *i) the vertical downward surface movements are greater than 20mm; or*
 - ◆ *ii) the potential impacts on major surface infrastructure, structures or natural features may be significant, notwithstanding that the vertical downward surface movements are less than 20mm.*
- ◆ **Mitigation Measures** – Subsidence management measures which aim to reduce subsidence impacts, usually implemented prior to or during mining.
- ◆ **Remediation Measures** – Subsidence management measures which aim to repair any adverse effects of subsidence, usually implemented after mining.
- ◆ **First workings**- Roadways driven to form pillars. Development of main headings and panel roads to establish access to the coal in the Pillar Extraction panels.
- ◆ **Second workings** – Extraction of coal from pillars formed during development.

- ◆ **Full extraction** - Systematic mining of all safely accessible coal within the formed pillars
- ◆ **Partial extraction** – Mining of a only a proportion of the formed pillars to reduce subsidence
- ◆ **Public Safety Management Plan** - prepared in consultation with I & I to ensure public safety in the mining area.
- ◆ **Principal Residence** —Principal Residence existing and defined at the date of Project Approval of this project. A Principal Residence is defined as an existing building capable of being occupied as a separate domicile and used for such purpose. Basically the main residential building on a property.
- ◆ **Effective subsidence** – 95% of predicted subsidence has occurred.
- ◆ **Goaf** – The mined-out area into which the immediate roof strata break.

- ◆ **Statement of Commitments** - The commitments by Donaldson Coal Pty Limited set out in Appendix 3 of the Project Approval.
- ◆ **Safe, serviceable & repairable** - Safe means no danger to users, serviceable means available for its intended use, and repairable means damaged components can be repaired
- ◆ **SMP** – Subsidence Management Plan
- ◆ **Angle of Draw** – The angle between the vertical line joining the edge of the mining void with the limit of vertical subsidence (usually taken as 20mm) at the surface
- ◆ **Cover Depth** – The depth of the coal seam from the ground surface (metres)
- ◆ **Property Management Plan** – Developed by Donaldson Coal in consultation with the property owner and Mine Subsidence Board to address the management / mitigation of any subsidence impacts.

● **SMP Area 2 Application to include:**

- Description of the surface area
- Mine workings and extraction schedule
- Subsidence predictions
- Assessment of impacts and socio-economic benefits
- Extracts of relevant conditions from Project Approval, Leases, Licences, Approvals
- Description of previous subsidence predictions, results and impact assessments from previous approvals
- Baseline monitoring / assessment including flora, fauna, surface water and groundwater
- Monitoring proposals
- Proposals to minimise surface impacts where required
- Proposals for ground and surface water management
- Proposals for rehabilitation if or where necessary
- Results of consultation with relevant stakeholders (community)
- Results of Risk Assessments carried out for the SMP Application
- Details of ongoing community consultation process

- **Stage 1 – Information Collection and Review**
 - Initial Consultation and Advertisement
 - Review of Statutes, Baseline Monitoring, Subsidence Prediction, Mine planning and initial Mine layout

- **Stage 2 – SMP Development**
 - Assessment and consideration of community input (Stakeholder Meeting, CCC)
 - Impact and Risk Assessment, monitoring program, mitigation / rehabilitation planning
 - Finalise Mine plan
 - Preparation of SMP written report and Subsidence Management Plan

- **Stage 3 – Assessment**
 - Submission of application to Industry & Investment NSW
 - Advertise and public display – opportunity for comment and submission
 - SMP Inter Agency review committee and Industry & Investment NSW assessment

- **Stage 4 – Implementation if Approval Granted**
 - Implement SMP subject to Approval Conditions

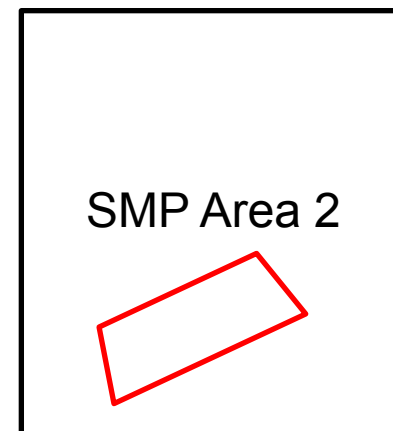
- **Stage 5 – Reporting, Review and Ongoing Consultation**
 - Review monitoring results in relation to predictions
 - Review impacts in relation to predictions
 - Report monitoring results, impacts and compliance with SMP through AEMR, reporting as required by Approval Conditions and through Community Consultation Process

Abel Mine

- Planning Focus November 2005
- EA lodged 2006
- Project approval granted June 2007
- Mining Lease ML1618 granted May 2008
- Abel commenced underground production from highwall in May 2008
- SMP Area 1 approved May 2010
- Pillar extraction production from Area 1 commenced July 2010
- SMP Area 2 = 221ha (*ML1618 area = 2,755ha*)
- Depth of cover in SMP 2 Area 95m to 150m
- Current workforce 200 including contractors
- 2010 planned ROM production 1.3mt.

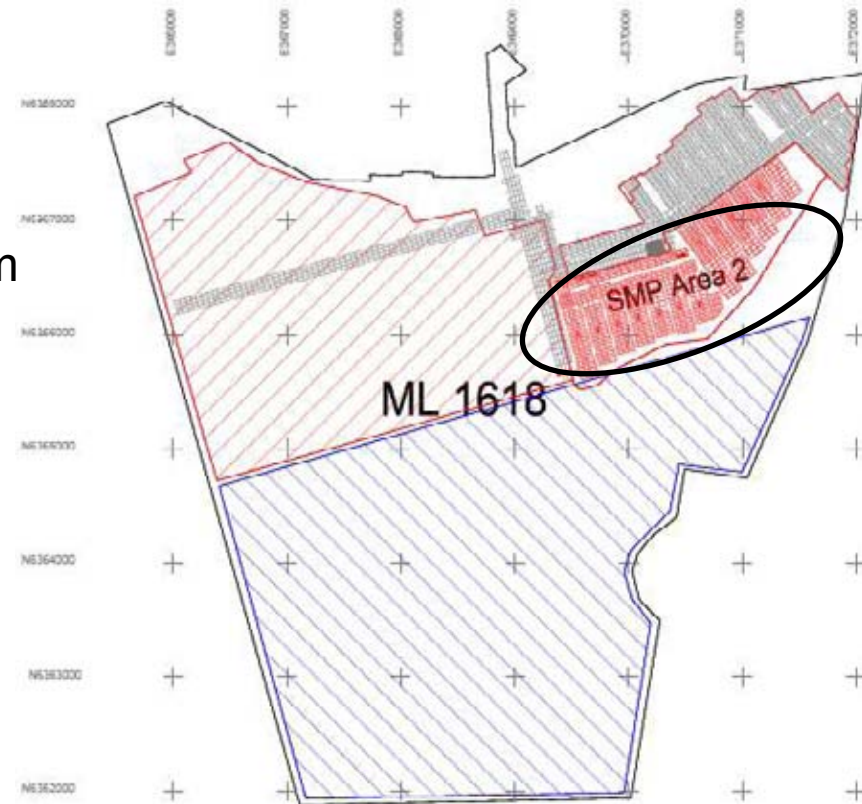


Abel Mine SMP Area 2



Abel Mine Plan

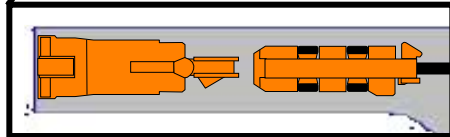
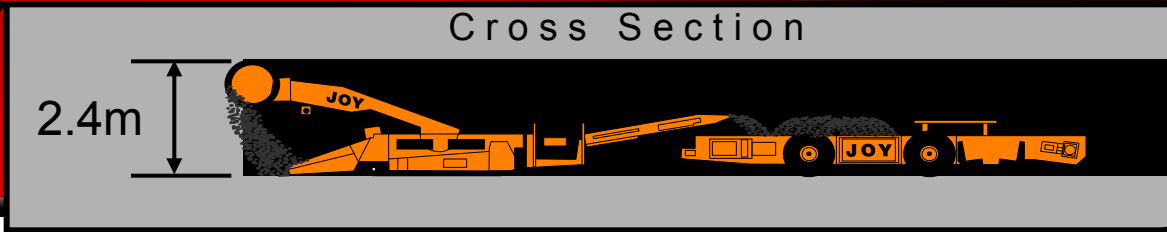
- Commenced coal production in May 2008 and will ramp up to 4.5mtpa and maintain that rate for >20yrs
- Target seams are the Upper and Lower Donaldson which range in thickness from 1.9m to 2.6m
- Soft coking and thermal products from the Upper Donaldson. Thermal from the Lower Donaldson
- At full production of 4.5mtpa will employ >350 people
- ML1618 area = 2,755 ha
- SMP Area 2 = 221ha



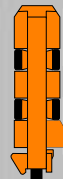
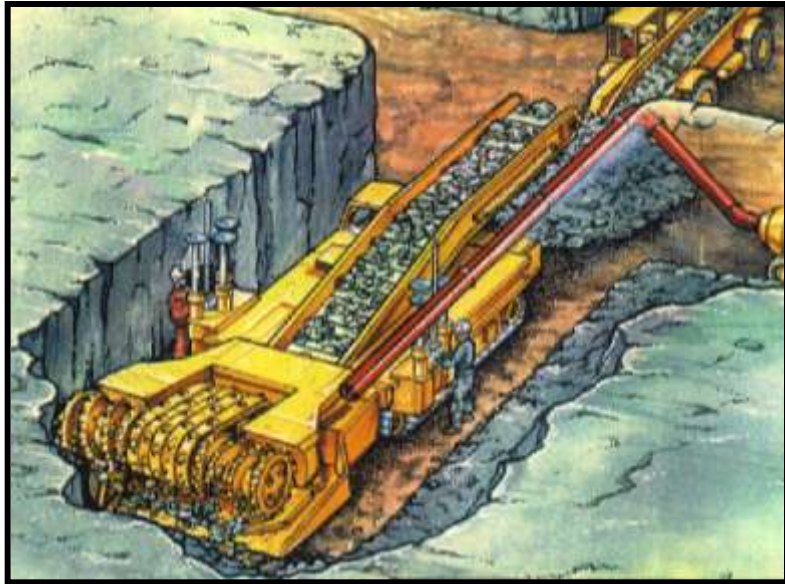
Upper Donaldson

Lower Donaldson

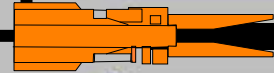
Bord & Pillar Mining



Continuous Miner



Shuttle Car



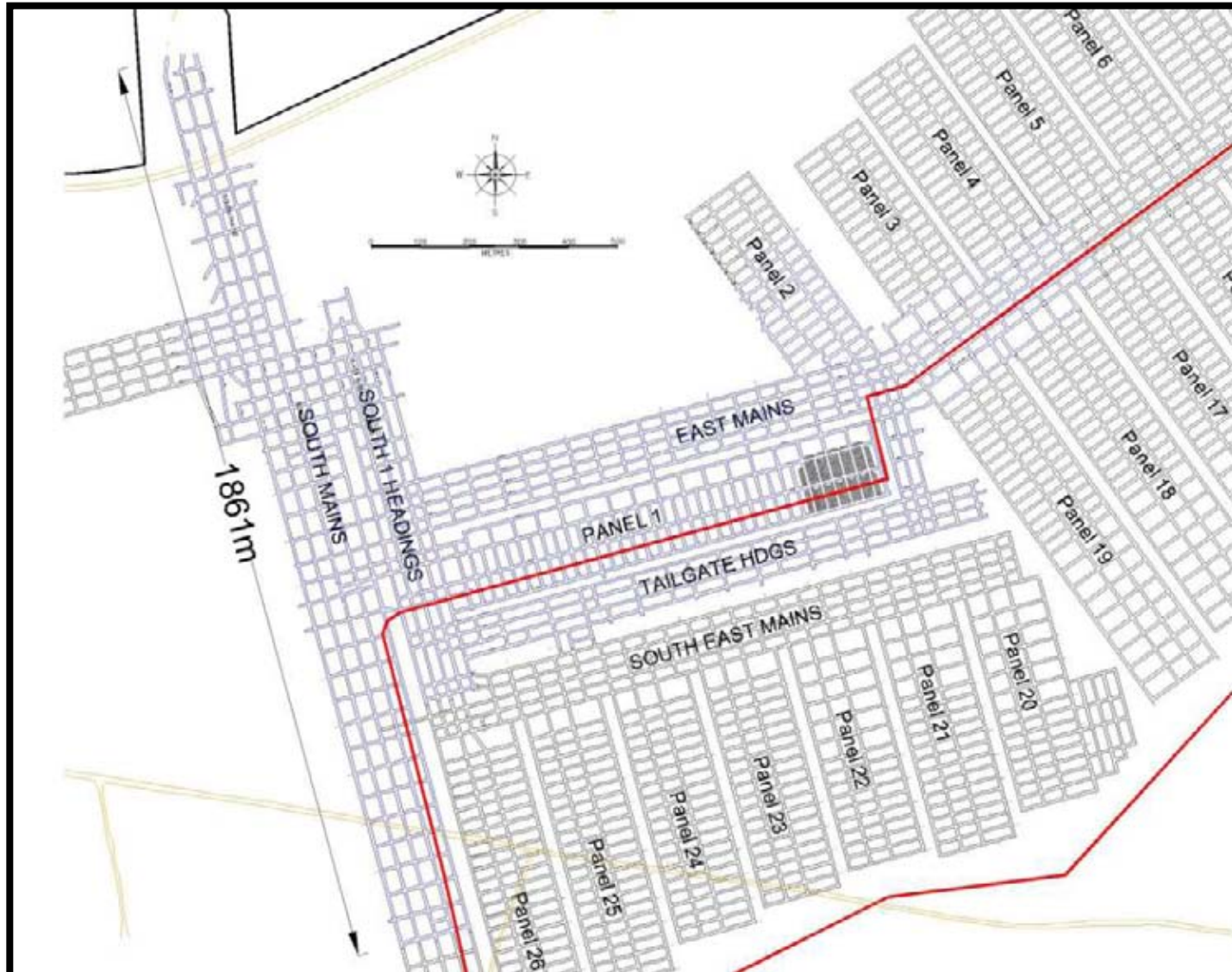
Feeder Breaker



Pillar of Coal

Abel Mine Plan

~ 40km of
Development
driveage
completed to date
Current face areas
up to 2km from
Surface Portal

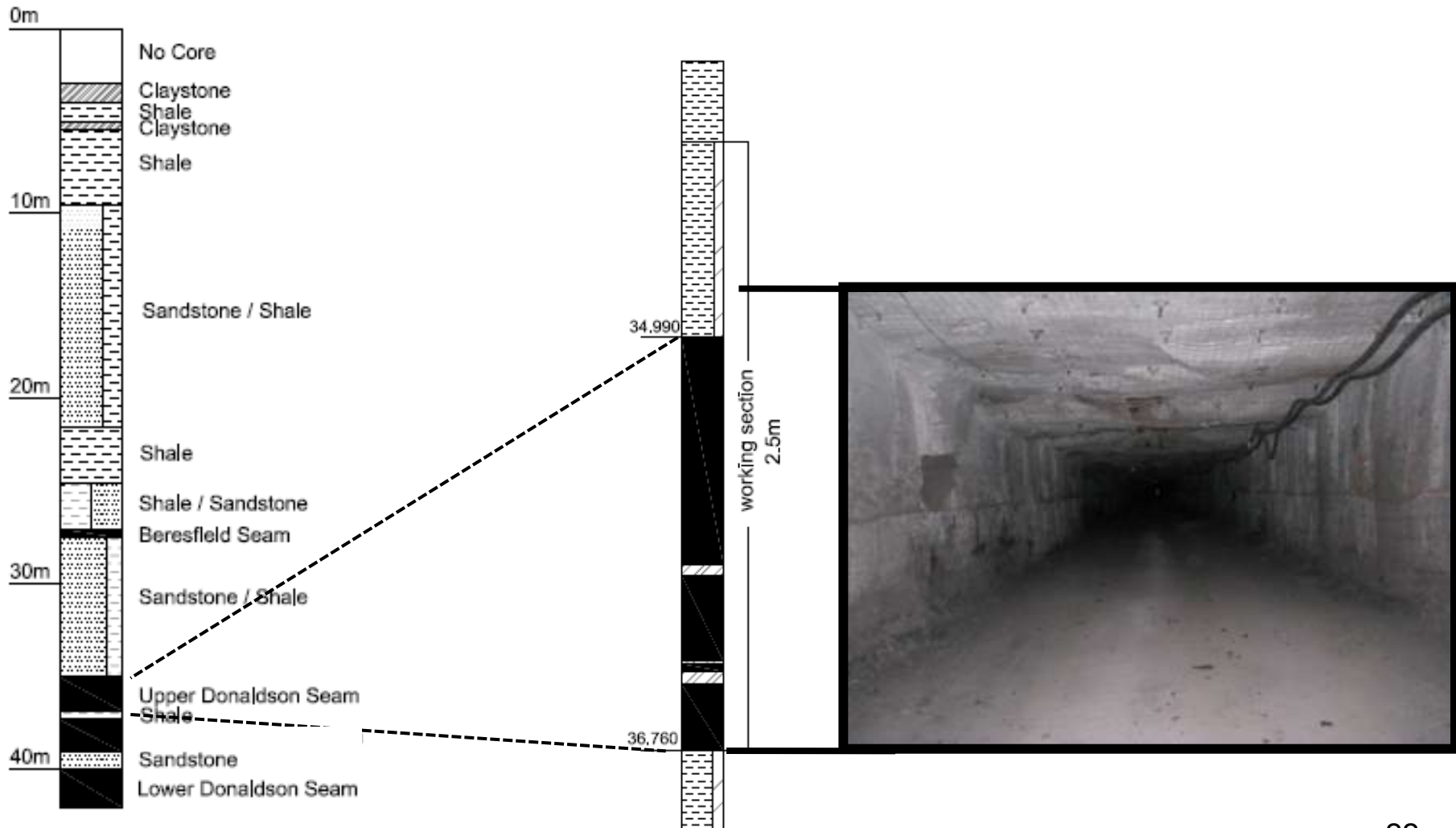


Mine Planning - Area 2

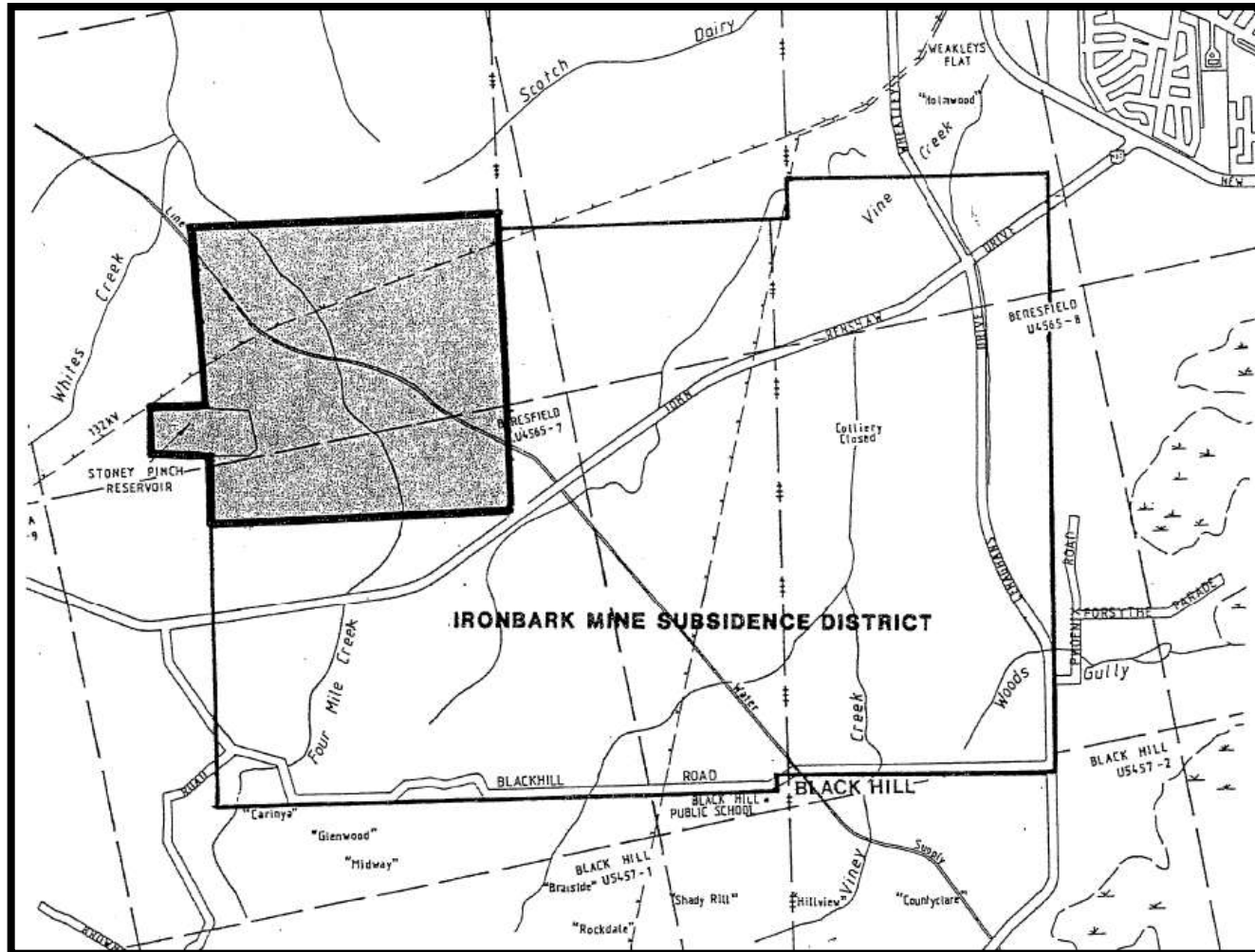
- ◆ Full extraction panels with the flexibility to retain long-term stable pillars for the protection of surface features
- ◆ Full extraction represents up to 85% reserve recovery within a mining panel
- ◆ Subsidence protection by either first workings or partial extraction
- ◆ No Pillar extraction below 50m depth of cover
- ◆ Panel width of 160m with appropriately designed barrier pillars



Typical Stratigraphic column (C086)



Historical Mine Subsidence District



Ironbark Subsidence District

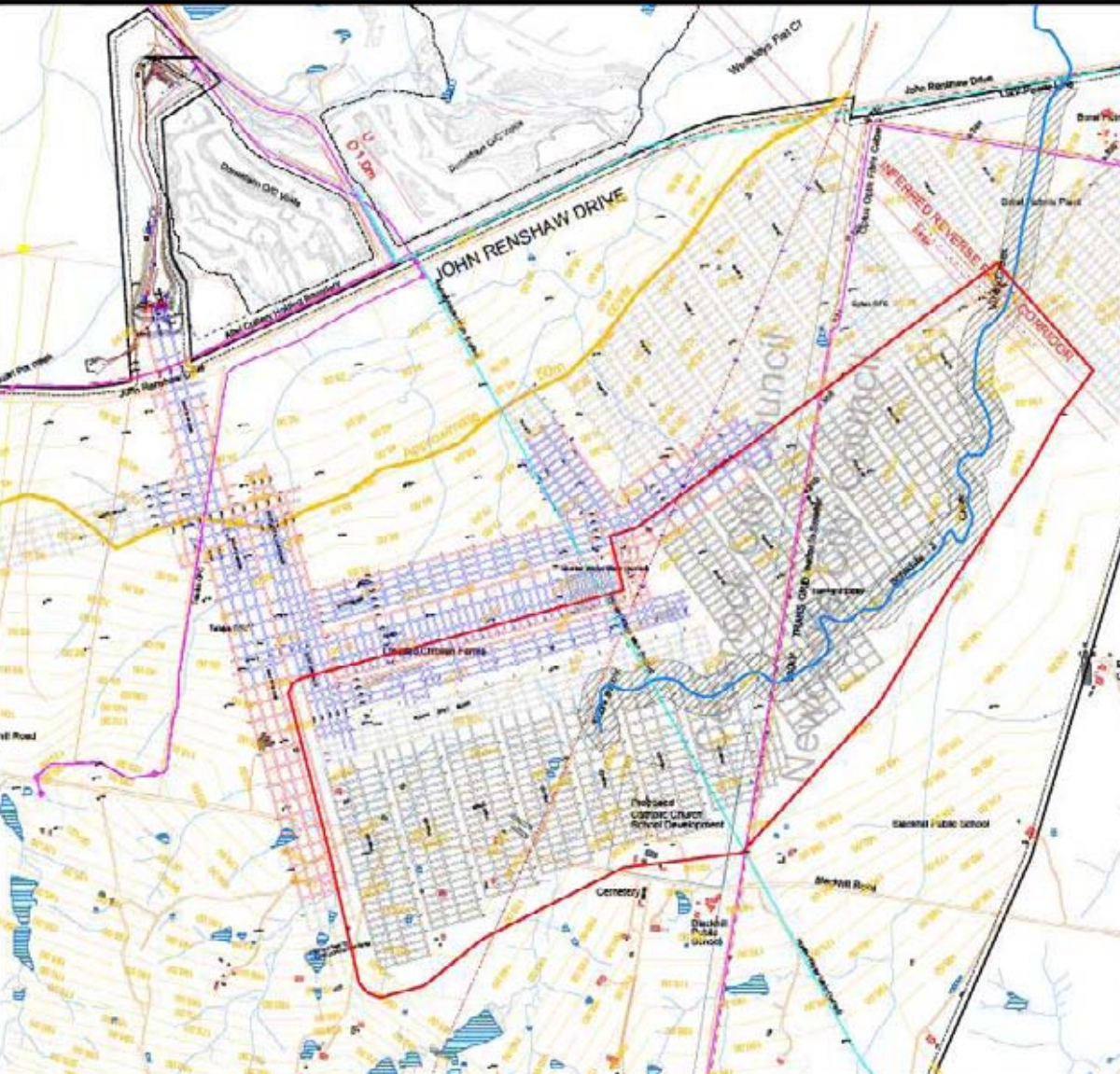
Initially gazetted in
1971

Extended in 1978

Revoked in 1994

New Subsidence
District proposed for
ML1618 area

SMP Application Area 2



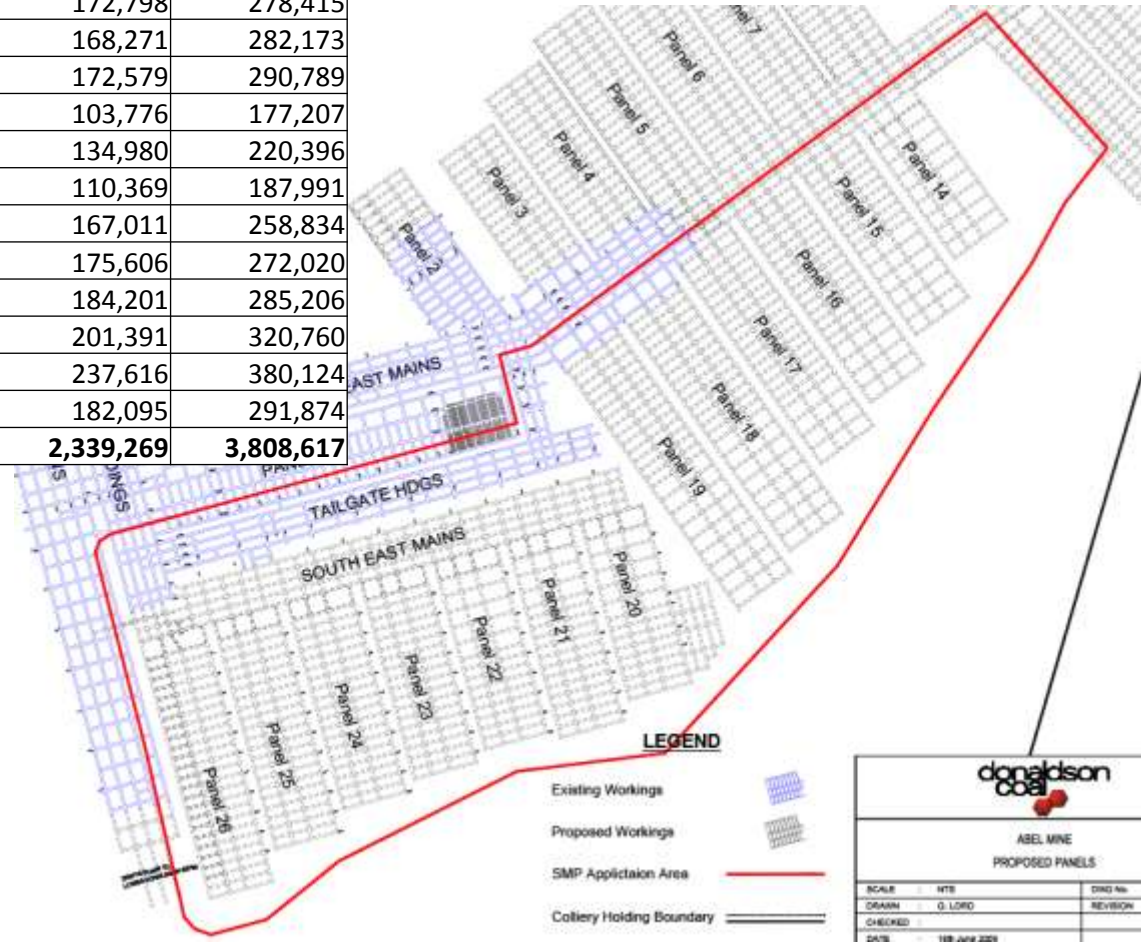
- Embraces 221ha
- Contains 6.3m tonnes of insitu coal
- Contains 3.7m tonnes of recoverable coal
- Is divided into 13 Panels & 2 areas of Main Headings
- Has an operating life of ~3 years
- Project Approval condition-effective Subsidence to be completed by June 2013
- Depth of cover ranges from 95m to 150m
- Area to be re-classified as a Subsidence District by MSB

SMP Application Area 2



SMP Area 2 Panel tonnages

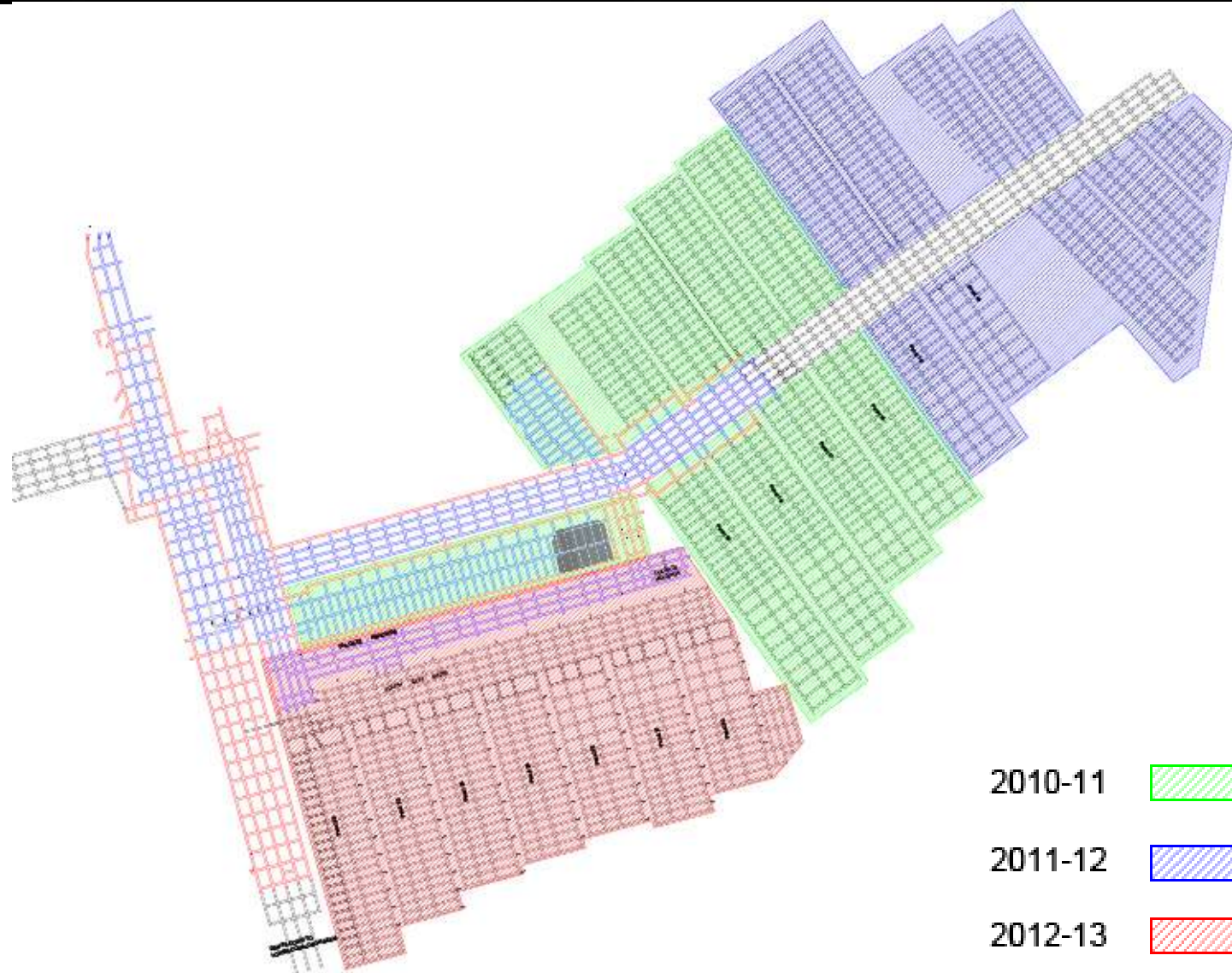
Total Tonnes	Length	Metres	development tonnes	extraction tonnes	Total
Panel 14	400	2,984	57,442	57,442	114,884
Panel 15	490	4,175	80,376	115,526	195,903
Panel 16	560	5,010	96,435	155,608	252,043
Panel 17	610	5,487	105,617	172,798	278,415
Panel 18	690	5,917	113,902	168,271	282,173
Panel 19	720	6,141	118,210	172,579	290,789
Panel 20	450	3,815	73,431	103,776	177,207
Panel 21	500	4,437	85,416	134,980	220,396
Panel 22	475	4,032	77,622	110,369	187,991
Panel 23	500	4,770	91,823	167,011	258,834
Panel 24	525	5,009	96,414	175,606	272,020
Panel 25	550	5,247	101,005	184,201	285,206
Panel 26	650	6,201	119,369	201,391	320,760
South East Mains	1100	7,403	142,508	237,616	380,124
Tailgate hdgs	1060	5,703	109,779	182,095	291,874
		76,330	1,469,349	2,339,269	3,808,617



**ABEL MINE
PROPOSED PANELS**

SCALE	HTS	DWG NO.
DRAWN	G. LOFD	REVISION
CHECKED		
DATE	18-JUN-2009	

SMP Area 2 Schedule

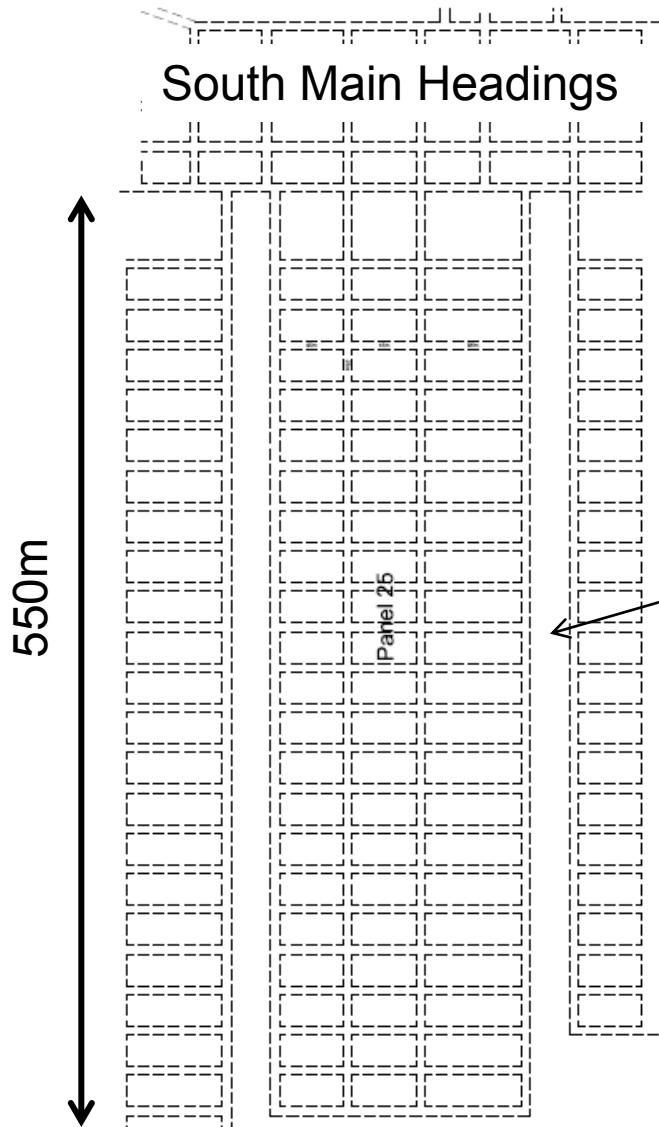


Abel Mining Method

- Continuous miner based bord and pillar system
- Layout designed to minimise impact on sensitive surface areas while minimising resource sterilisation
- Panels 160m wide
 - 4 heading layout
- 1st workings (Roadway development)
 - Single Continuous Miner (CM) Unit (20-30m /shift)
 - Dual CM Unit (35- 45m/shift)
- 2nd workings (Pillar extraction)
 - 1,000 tonnes per shift
- 6 day rotating roster
- Depth of cover range 95m to 150m



Abel Typical Panel Layout - Panel 25



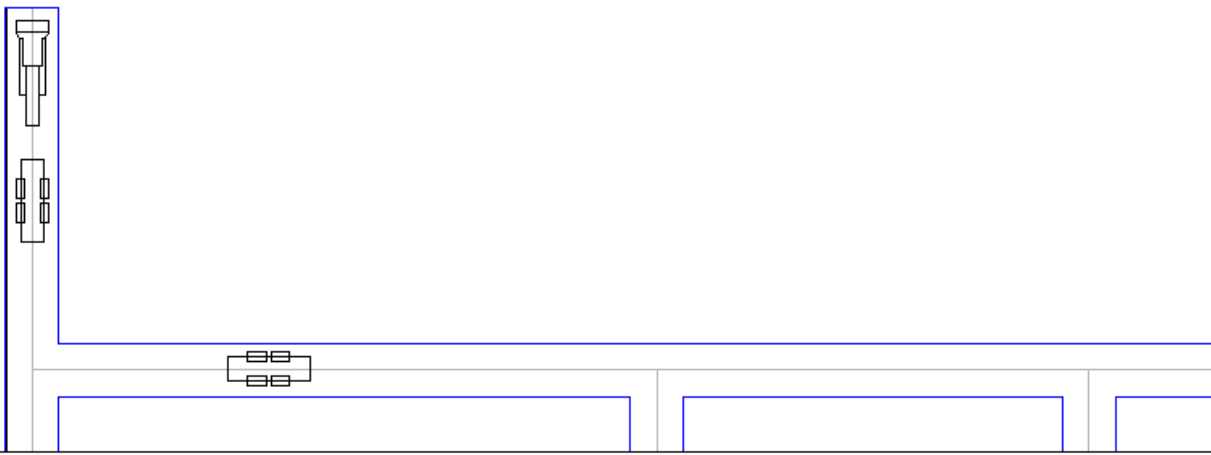
Panel 25	M Dev t Pillars	Time taken
1 st workings	5,247m	~17 weeks
2 nd workings	184,201t	~15 weeks
		~32 weeks

Barrier Pillar 24.5m

- ◆ Roadways driven to form pillars. Development of main headings and panel roads to establish access to the coal in the Pillar Extraction panels.

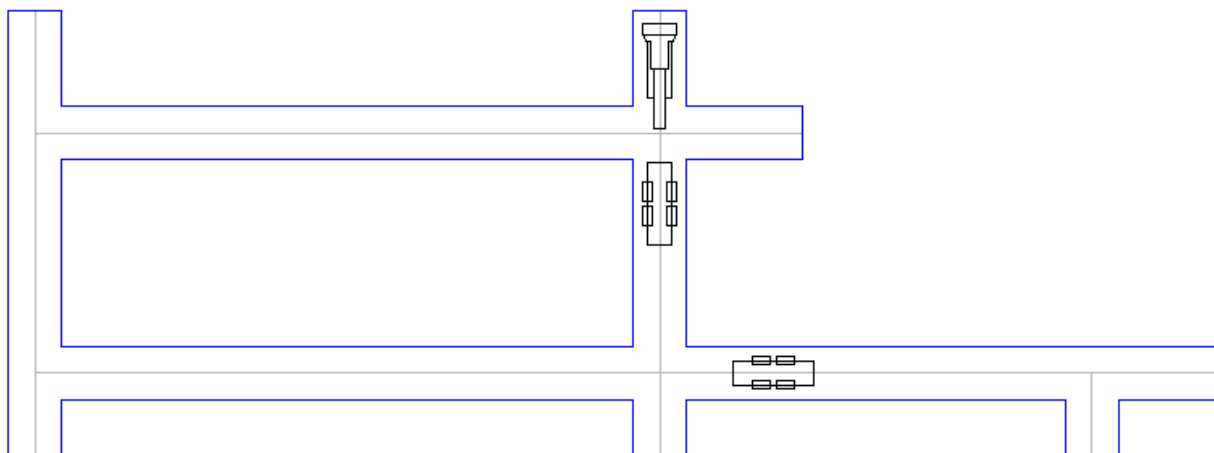


PANEL 2 PILLAR EXTRACTION





PANEL 2 PILLAR EXTRACTION



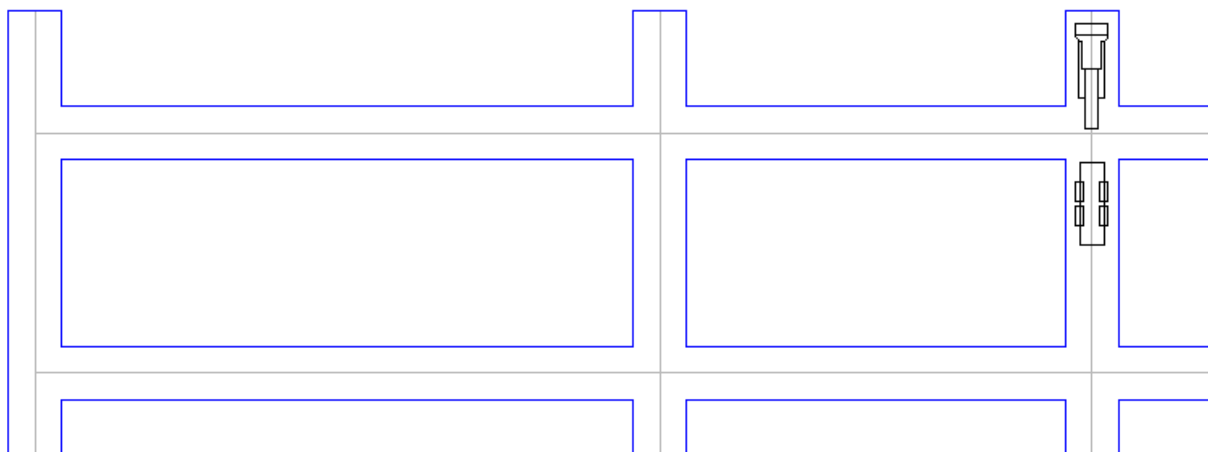
donaldson
coal

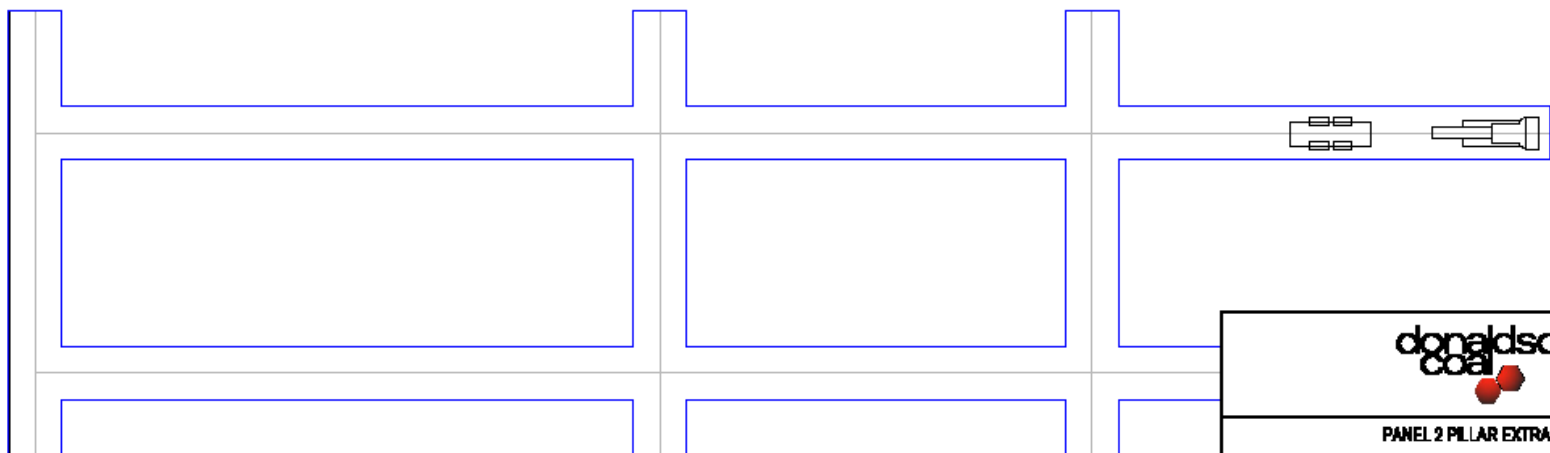


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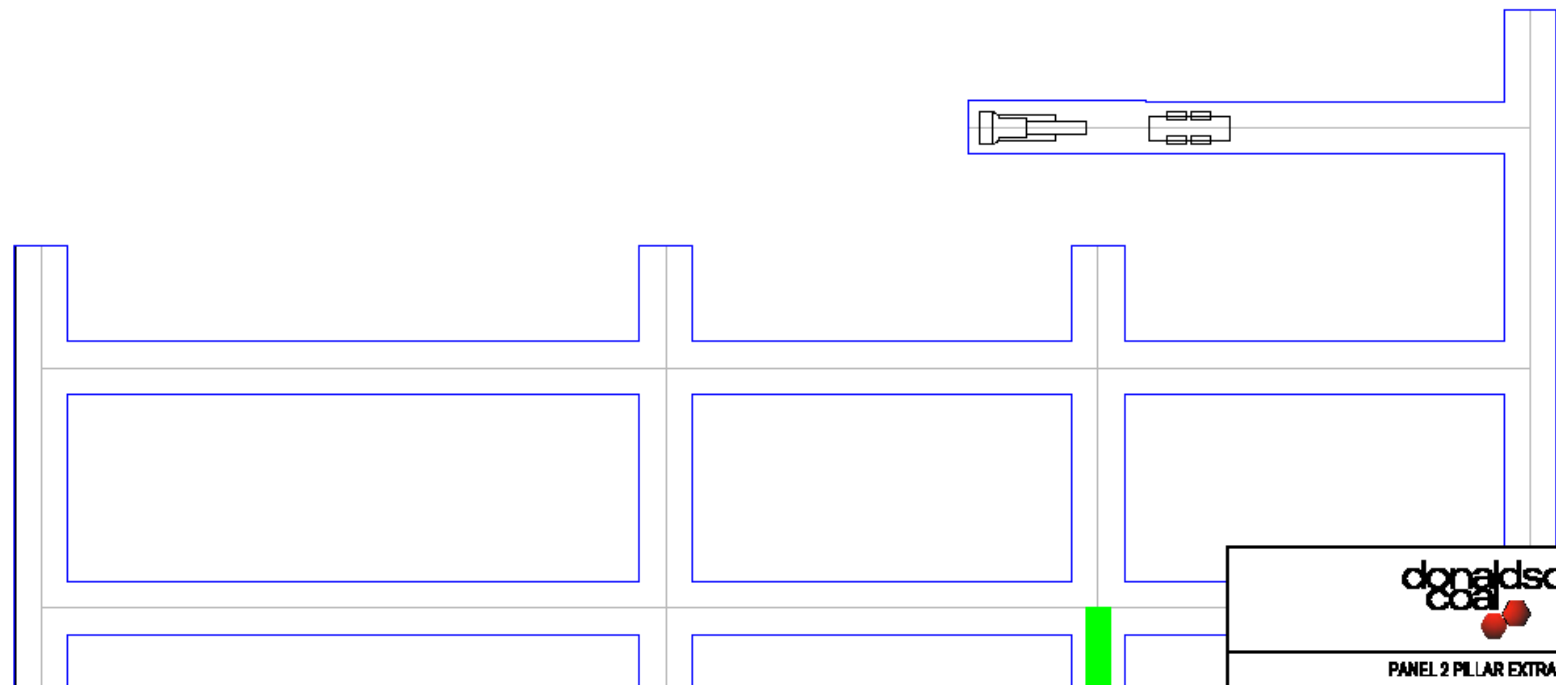
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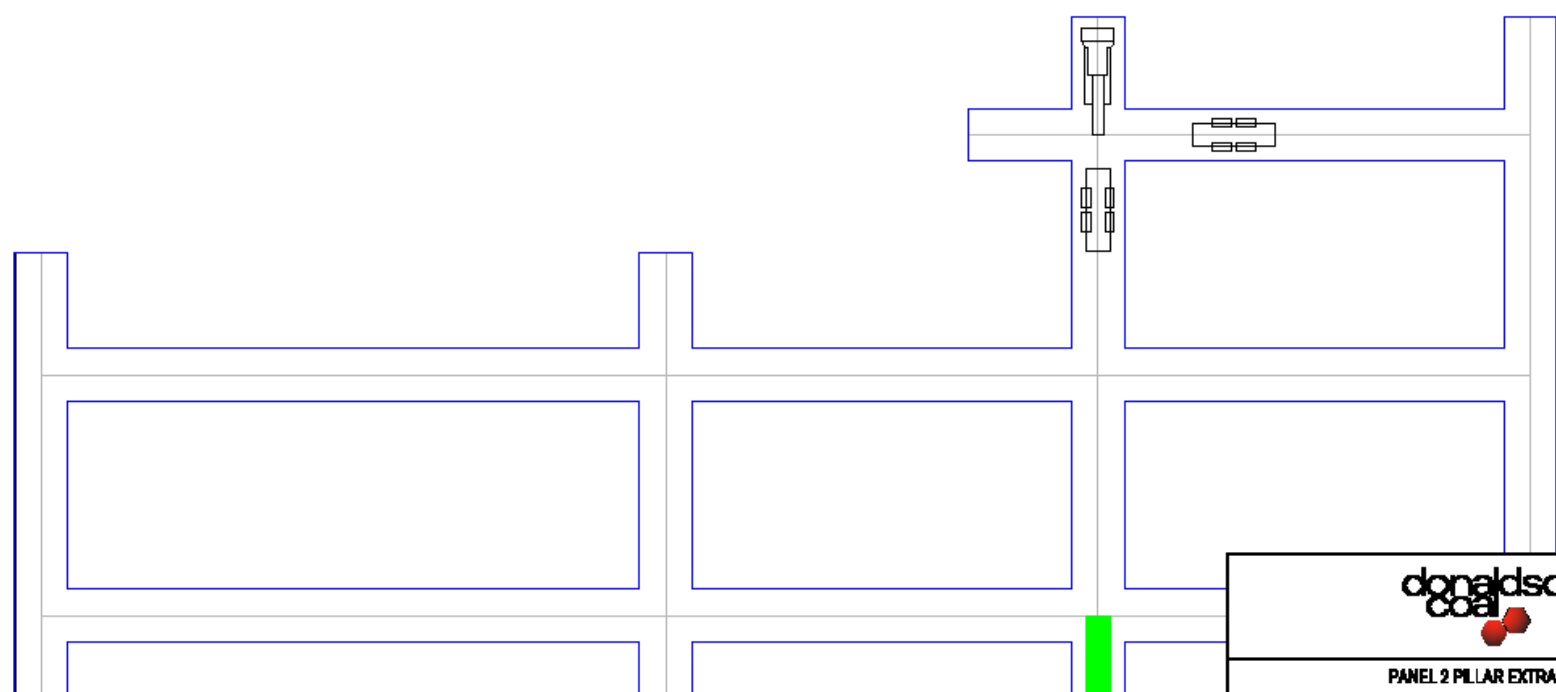
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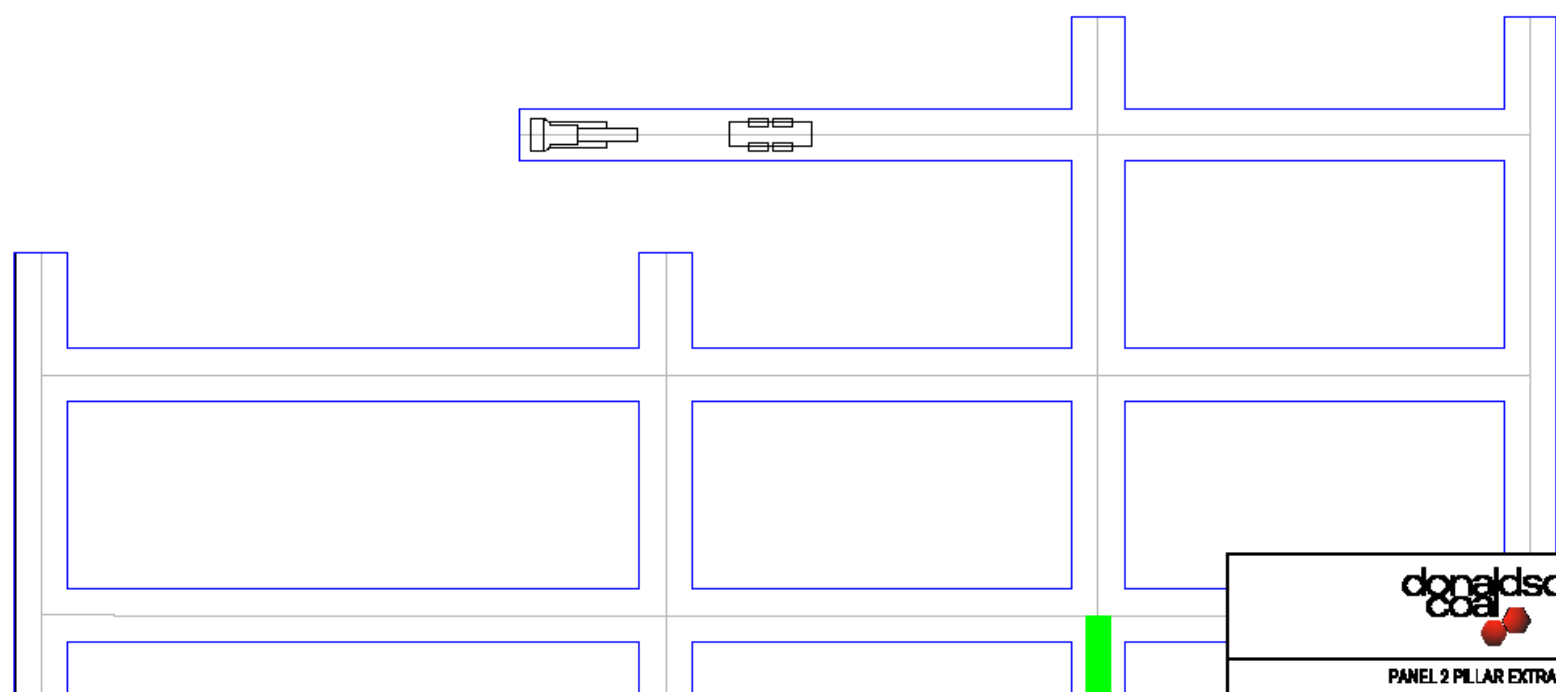
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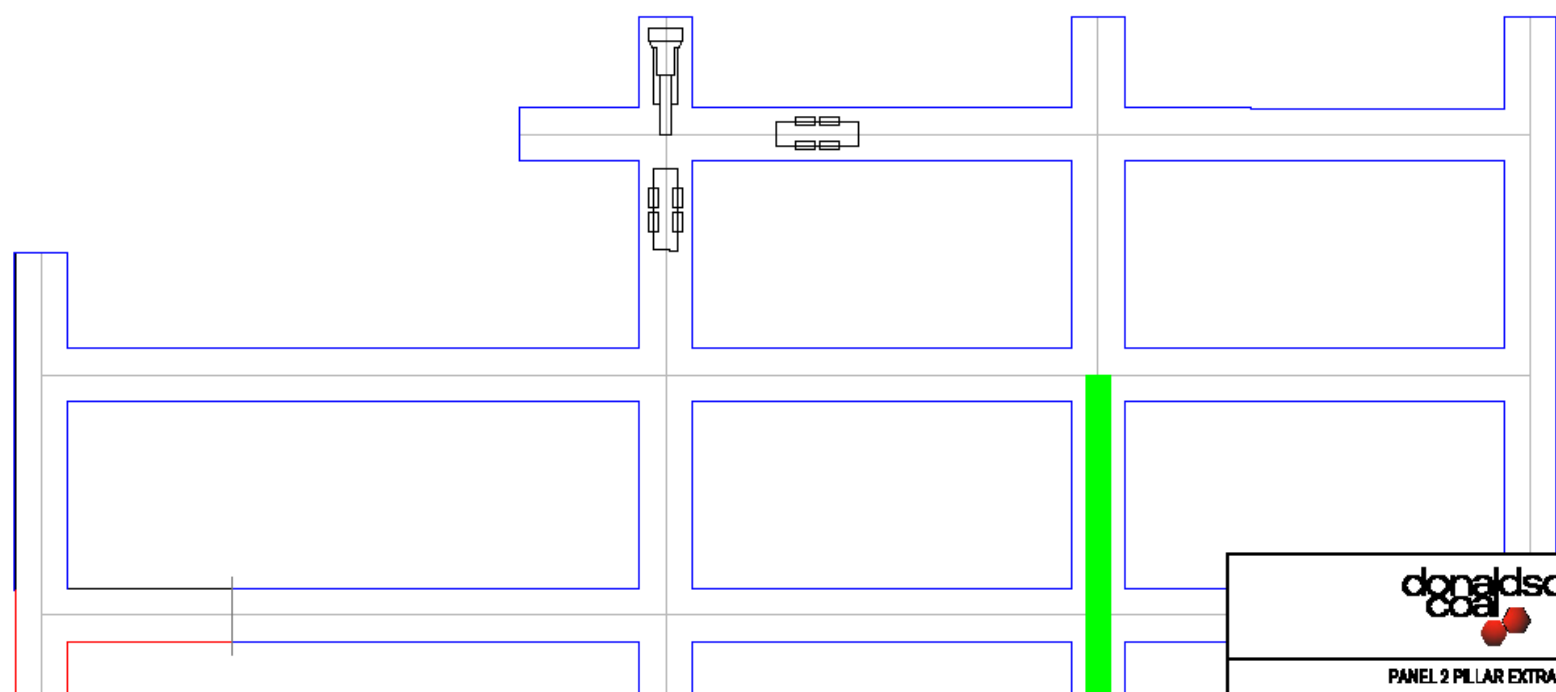


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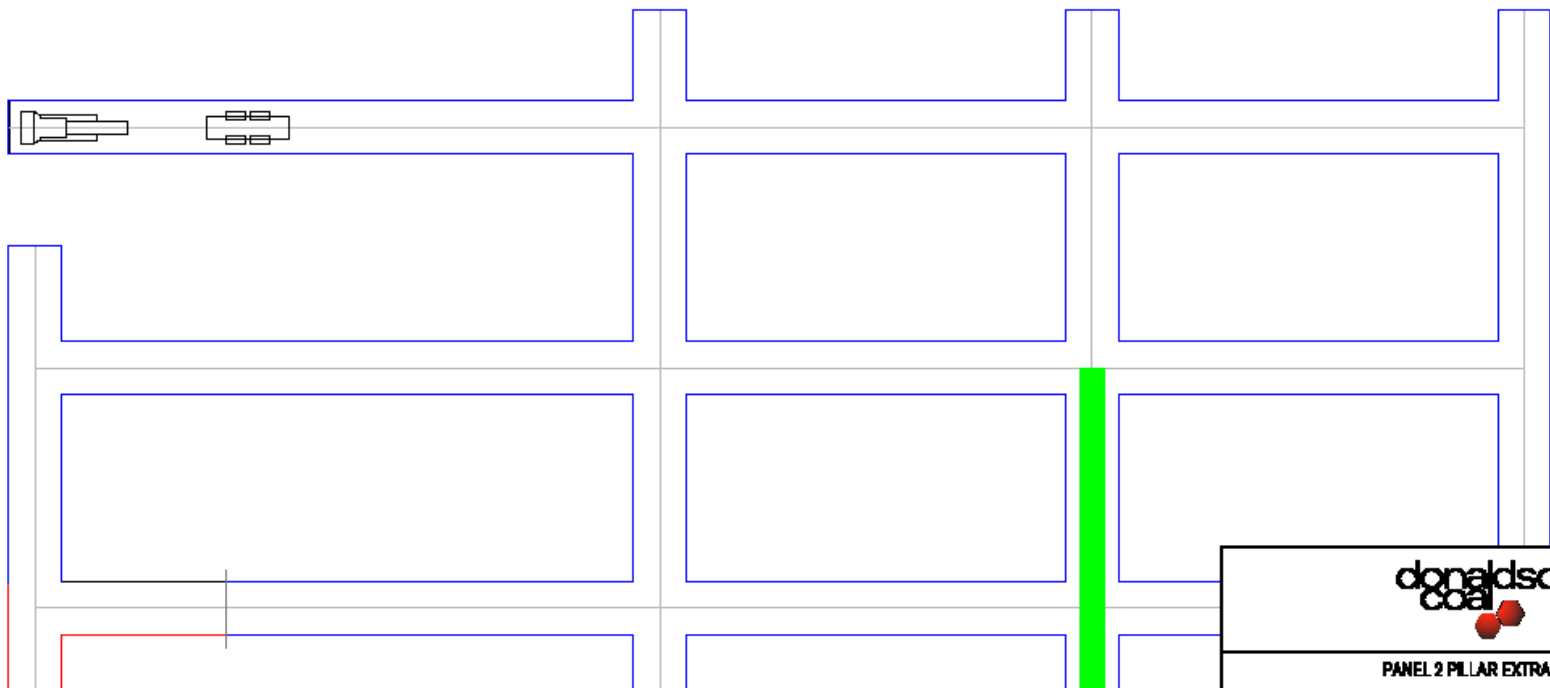


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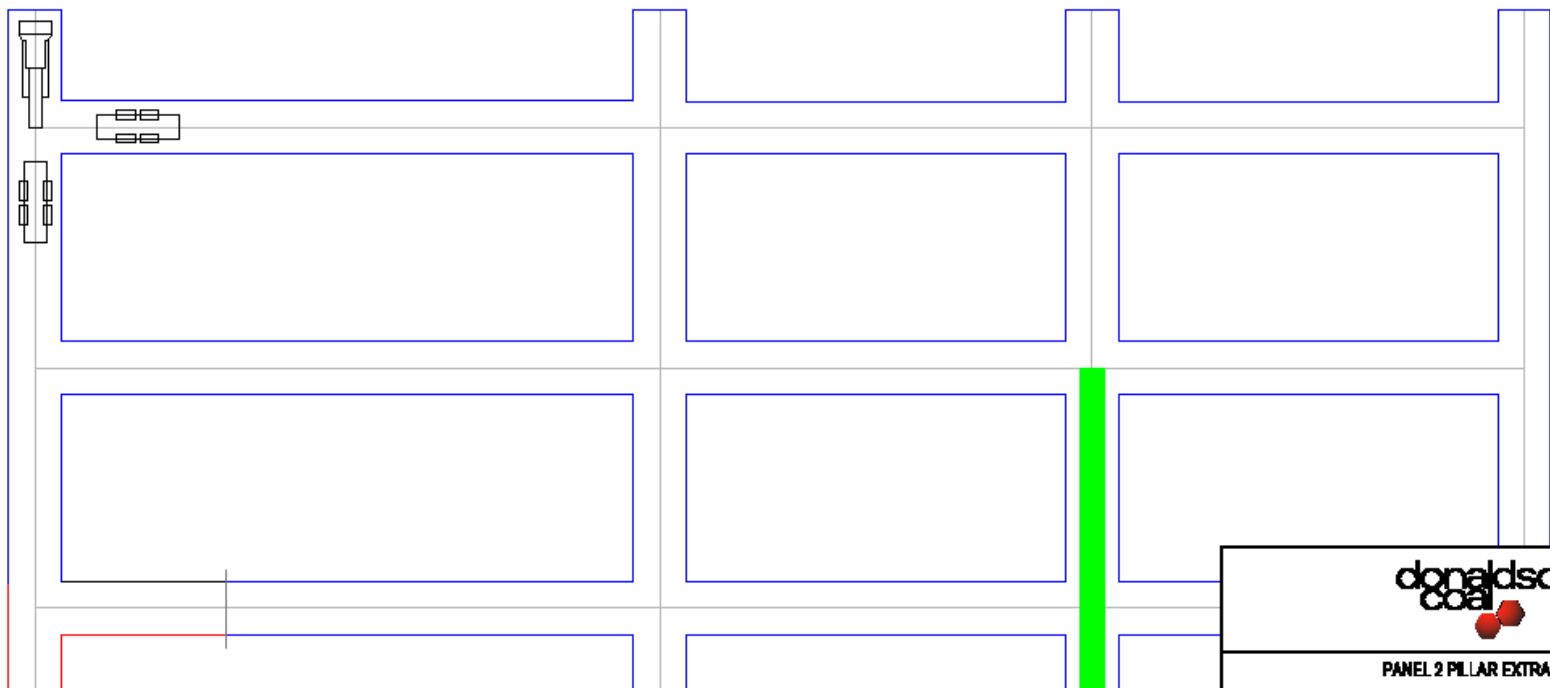
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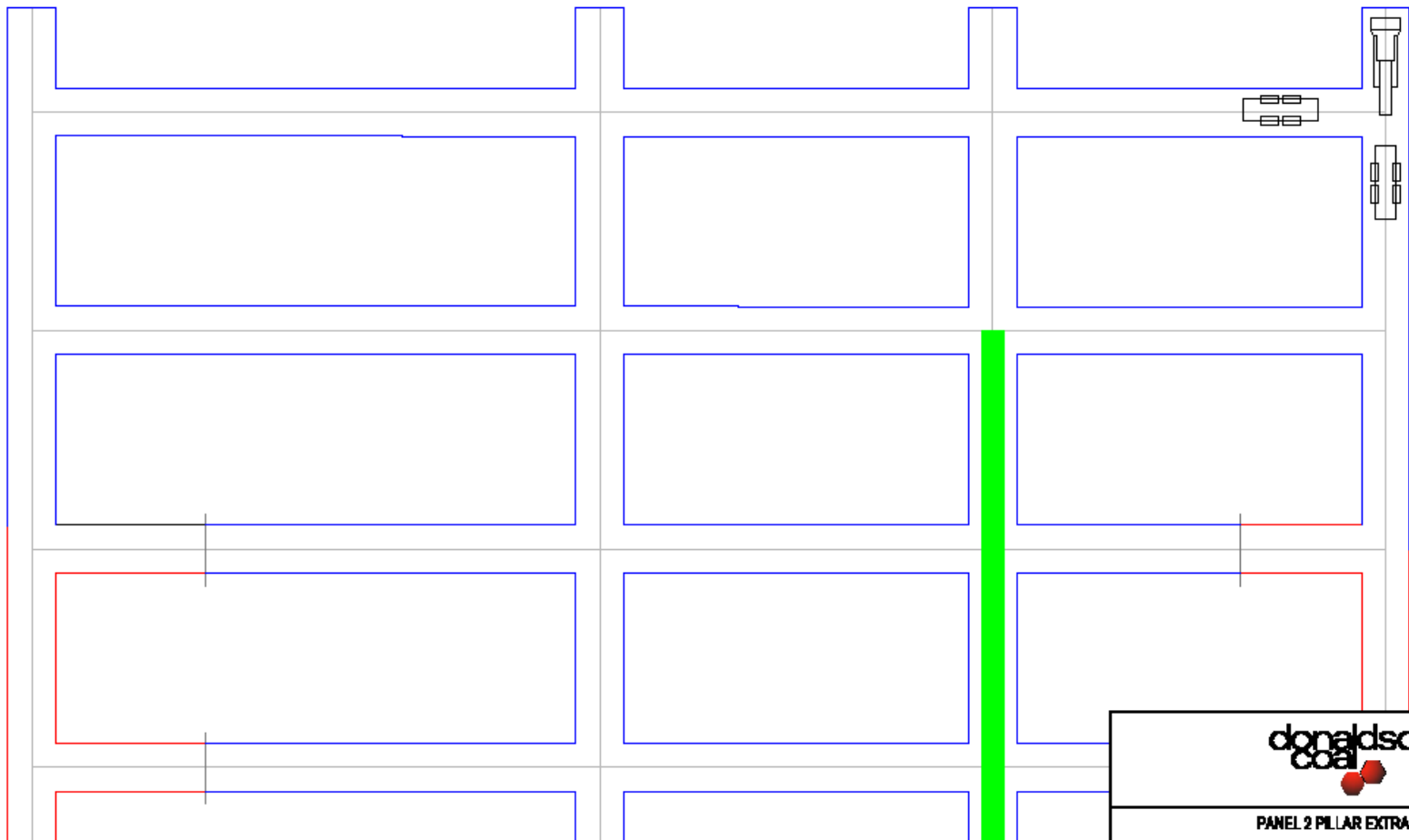
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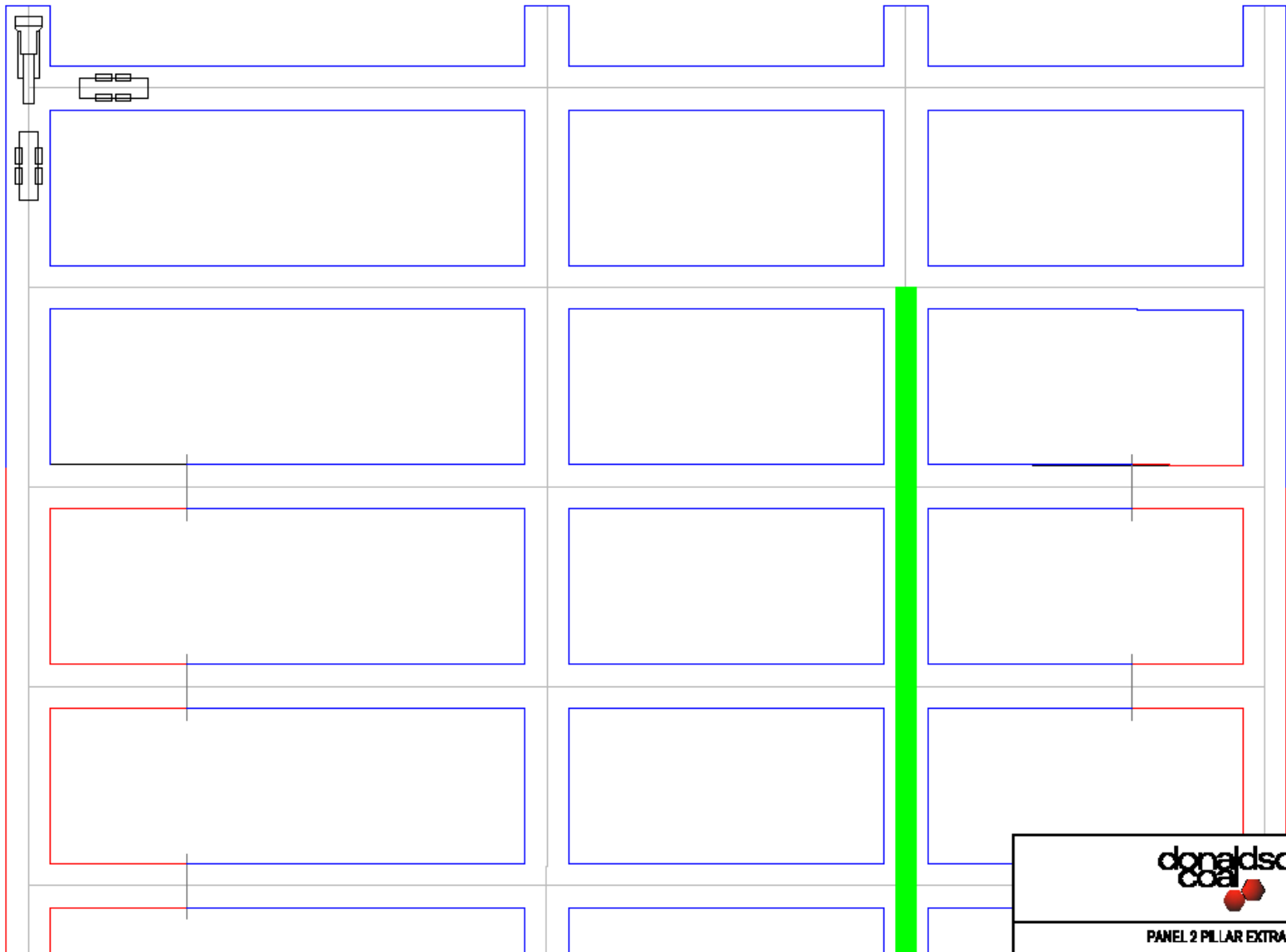
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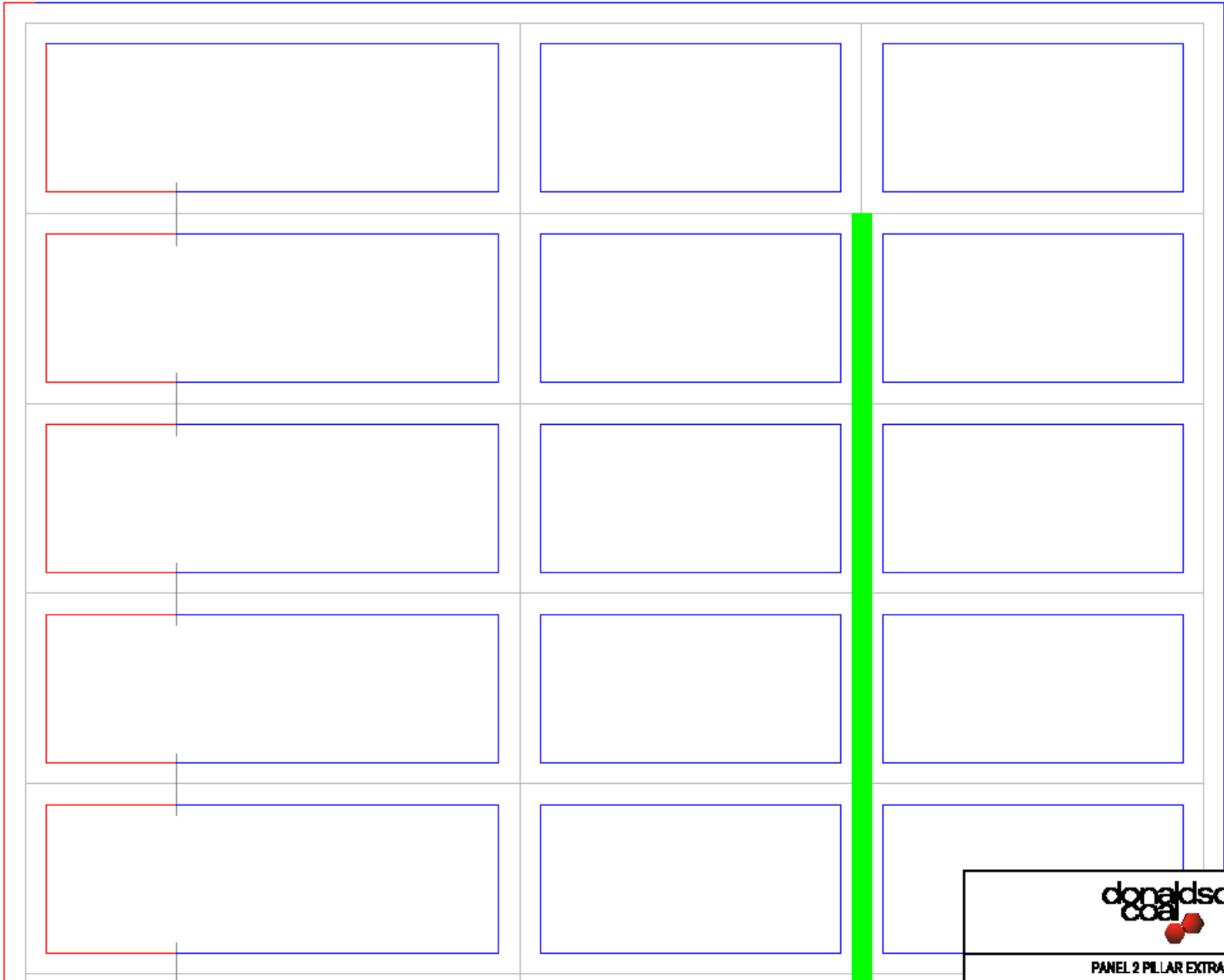
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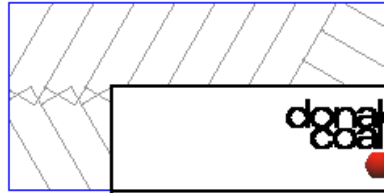
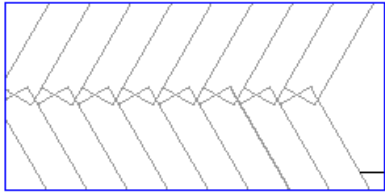
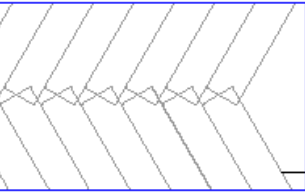
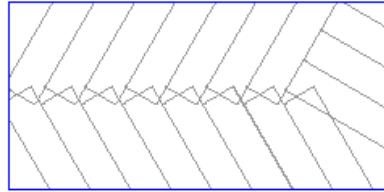
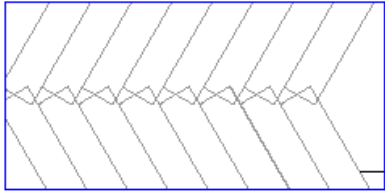
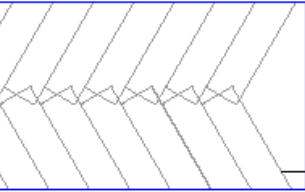
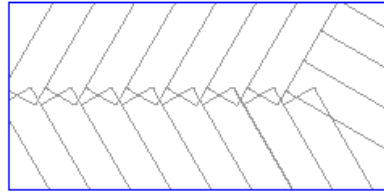
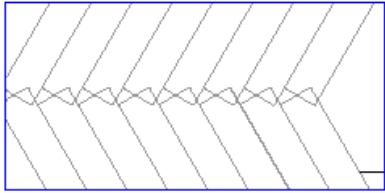
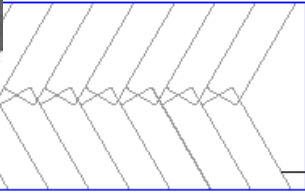
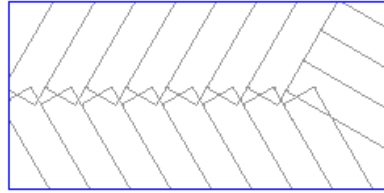
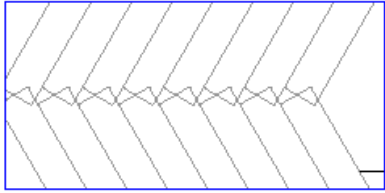
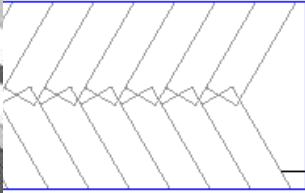
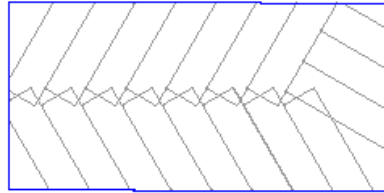
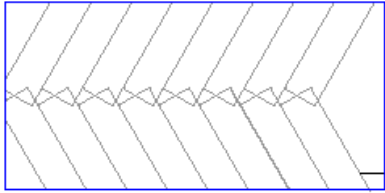
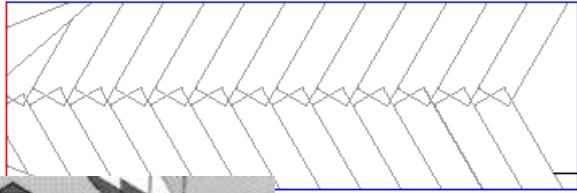
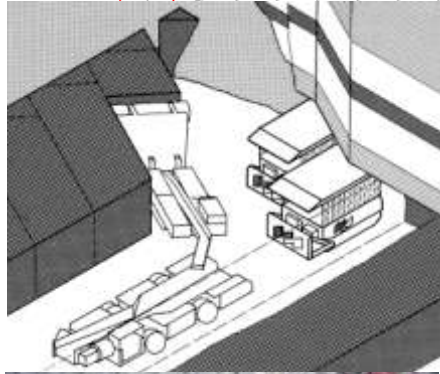
PANEL 2 PILLAR EXTRACTION



PANEL 2 PILLAR EXTRACTION

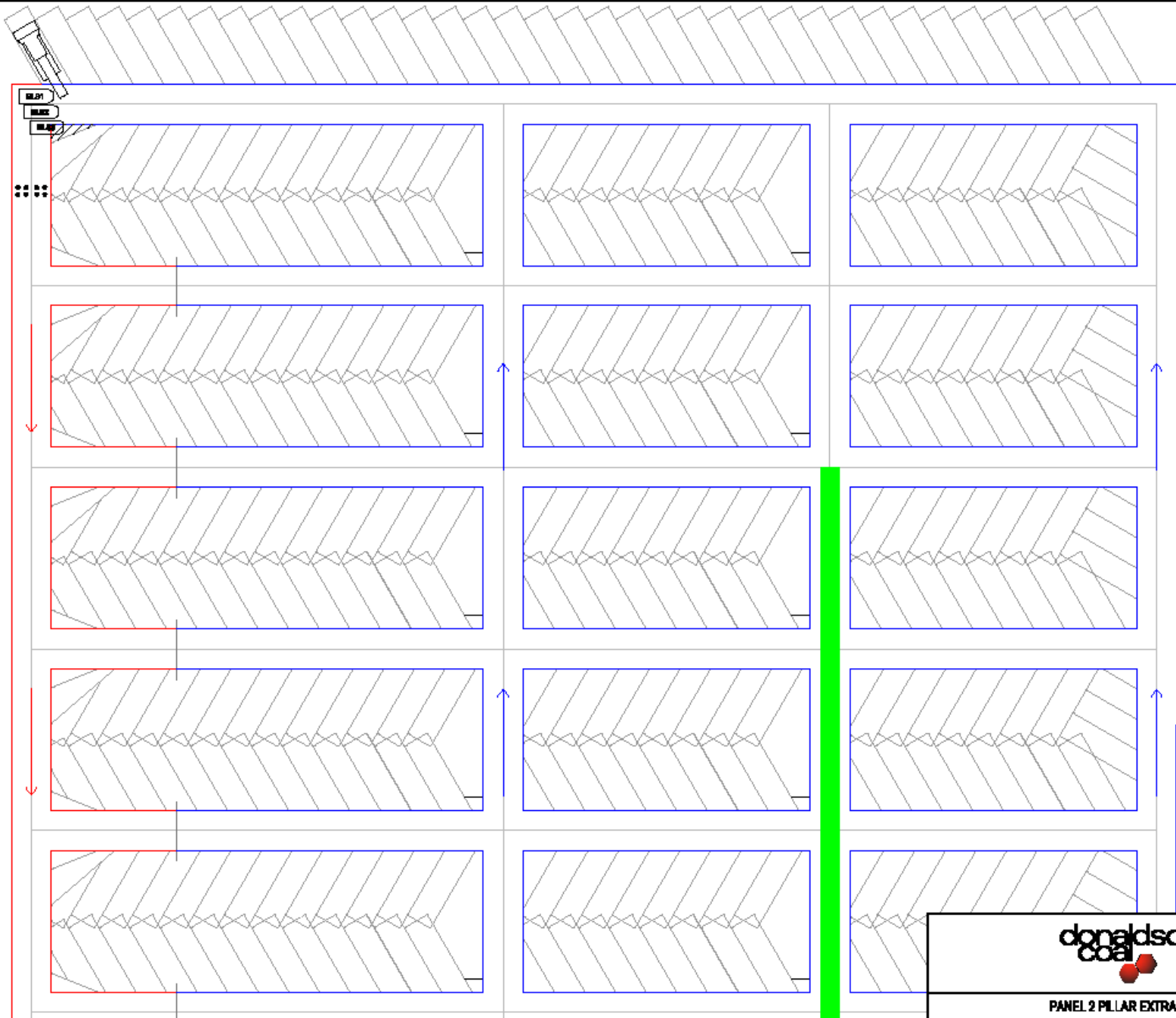
2nd WORKINGS

- ◆ Once 1st workings Development is completed, 2ndary extraction commences
- ◆ Extraction of coal from pillars formed during development

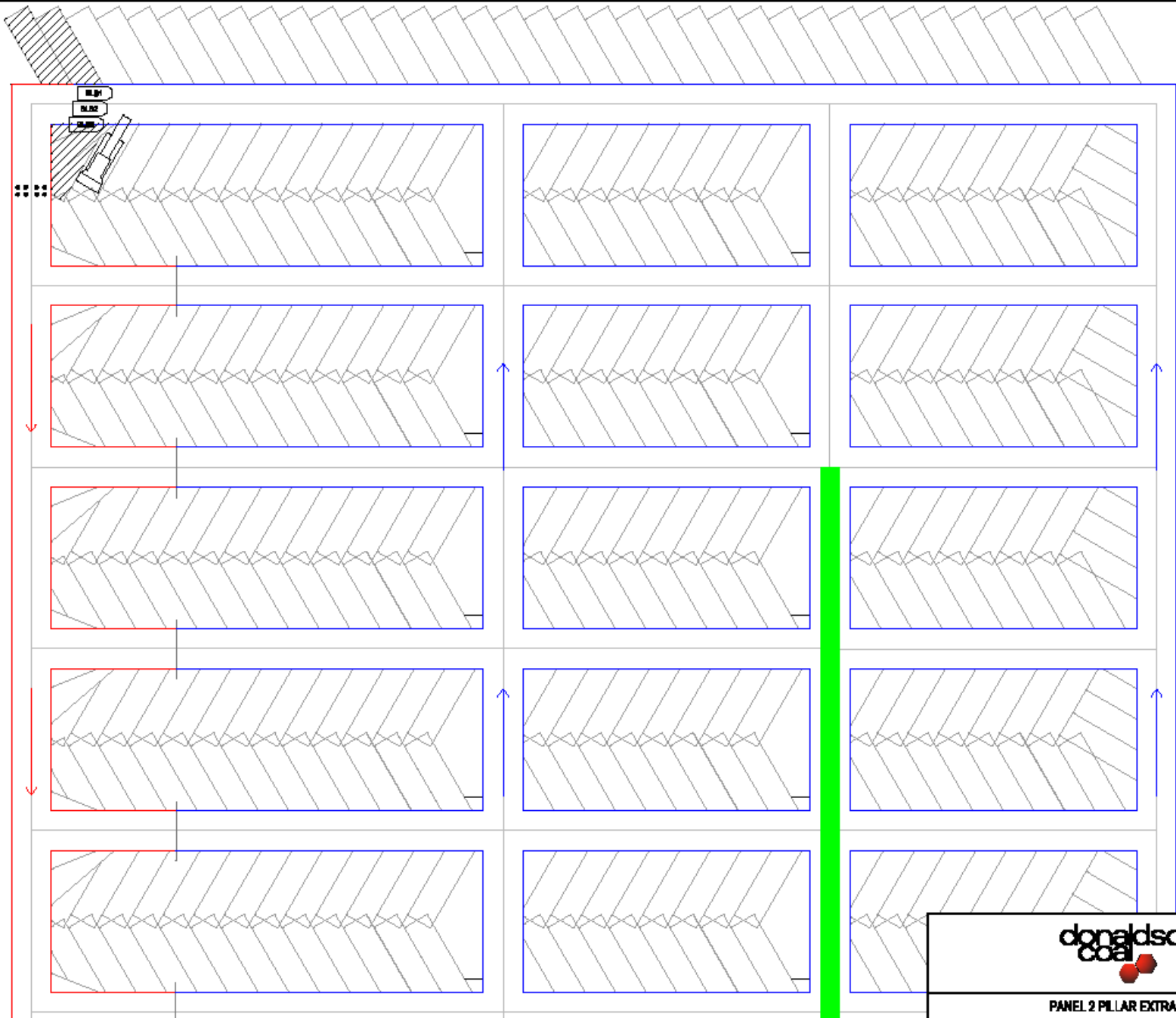


donaldson
coal

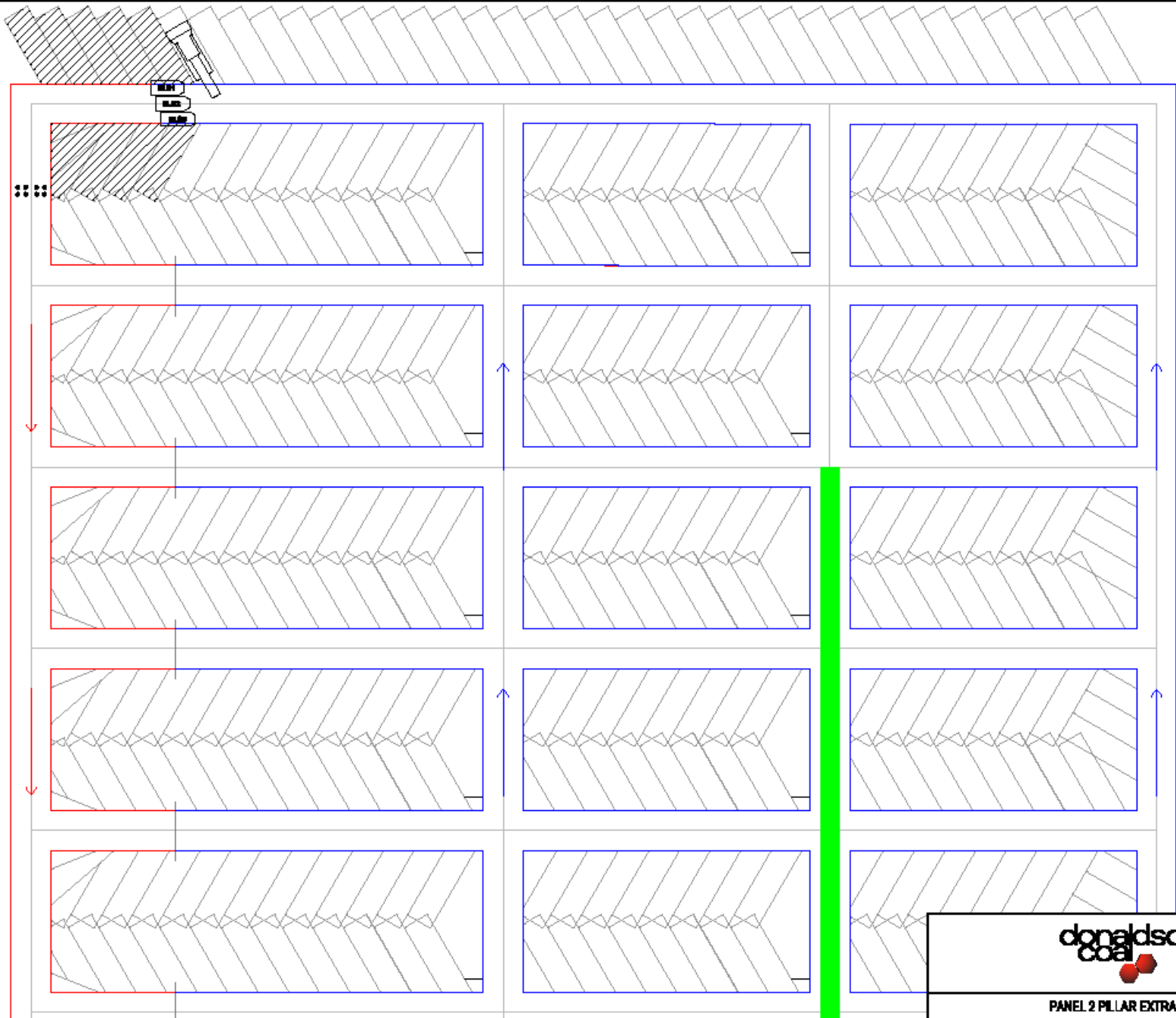
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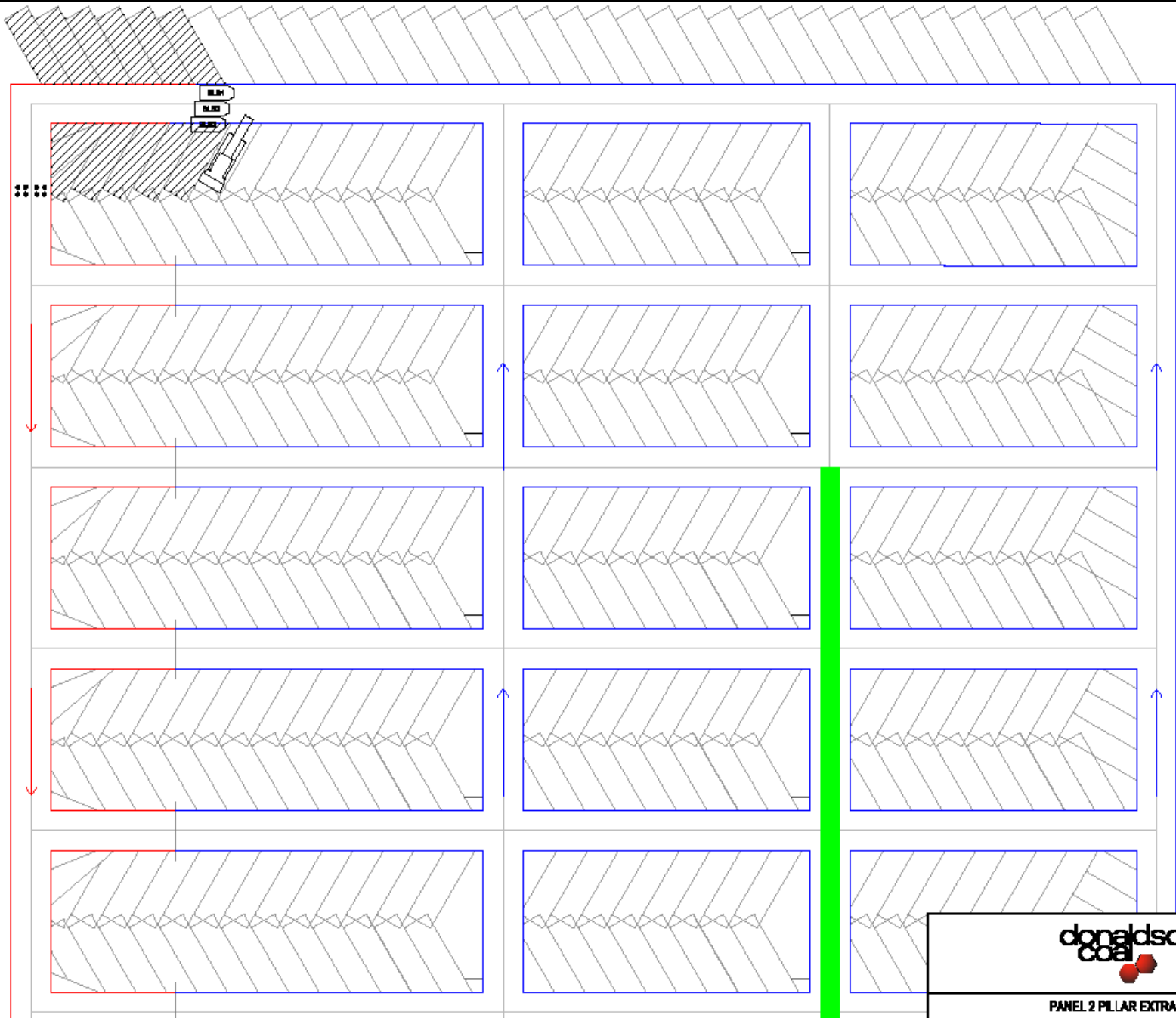
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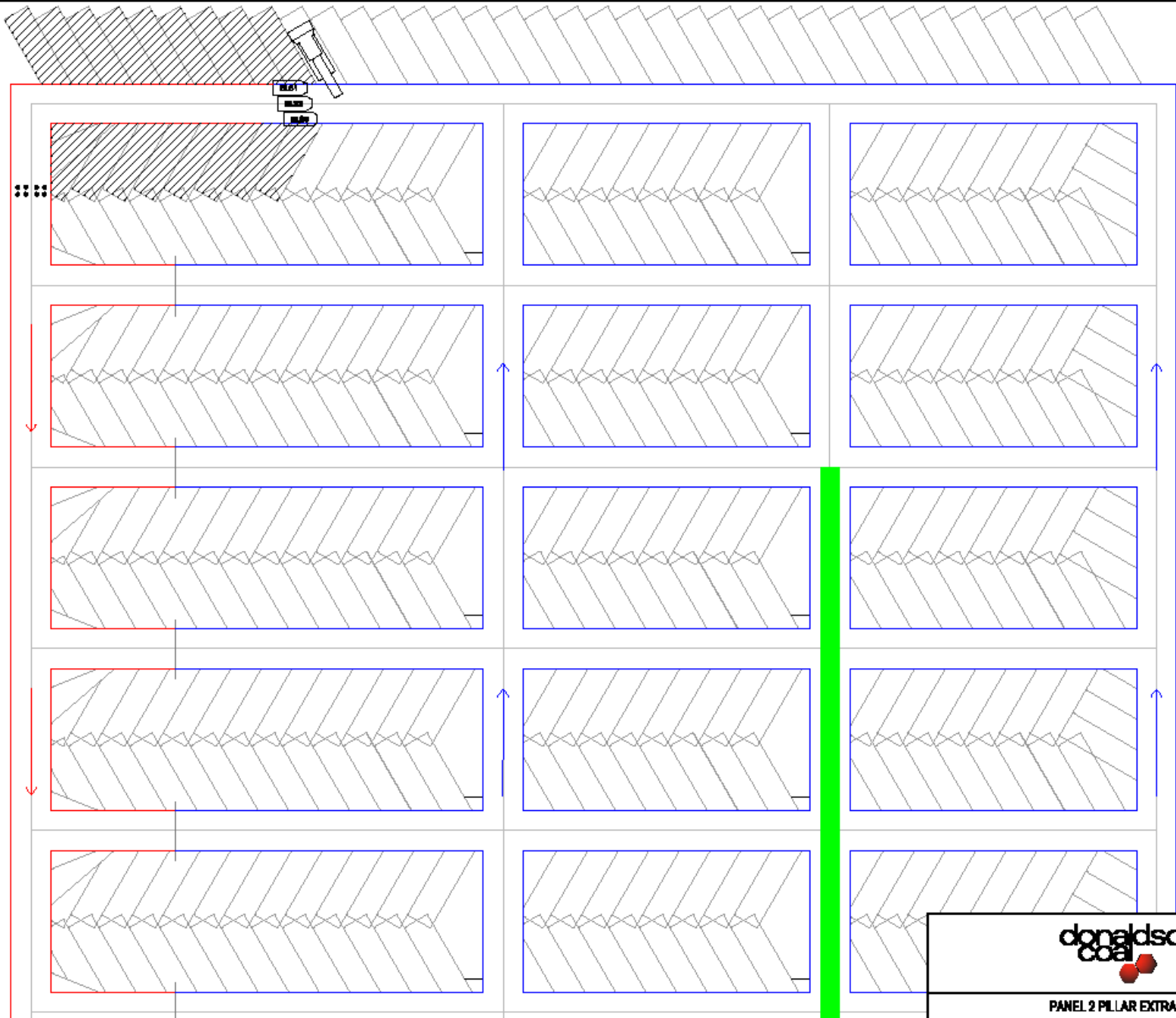
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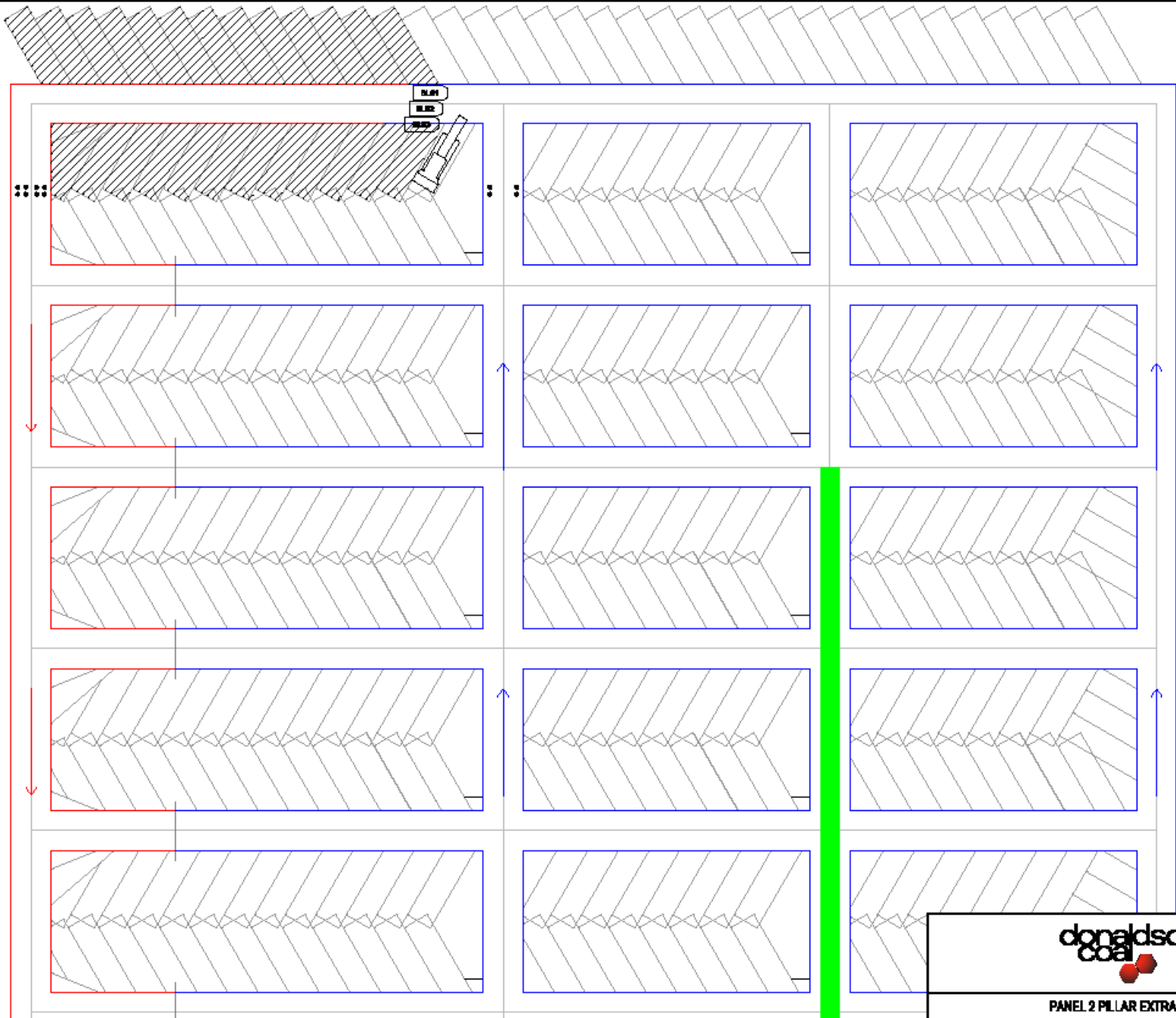
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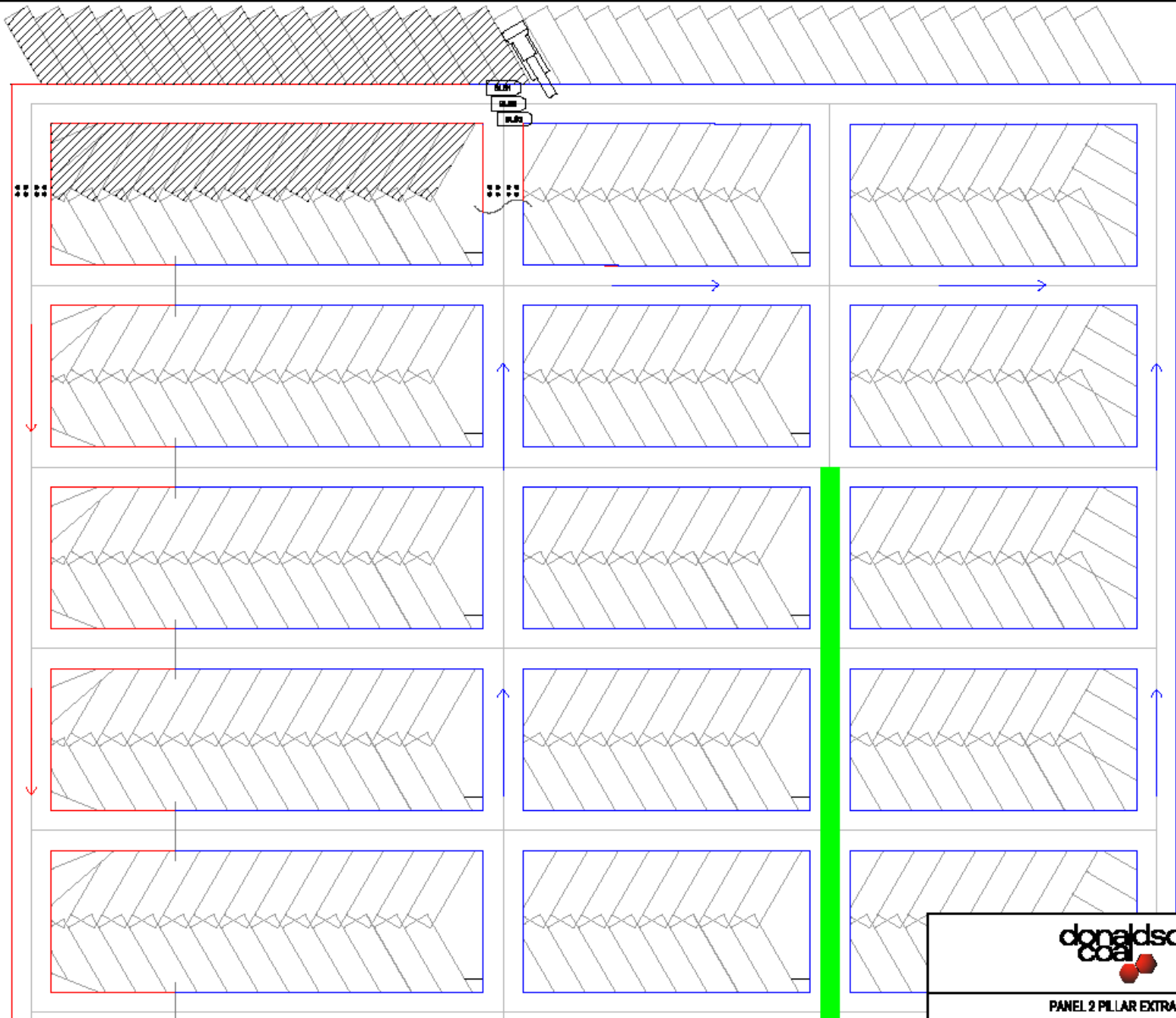
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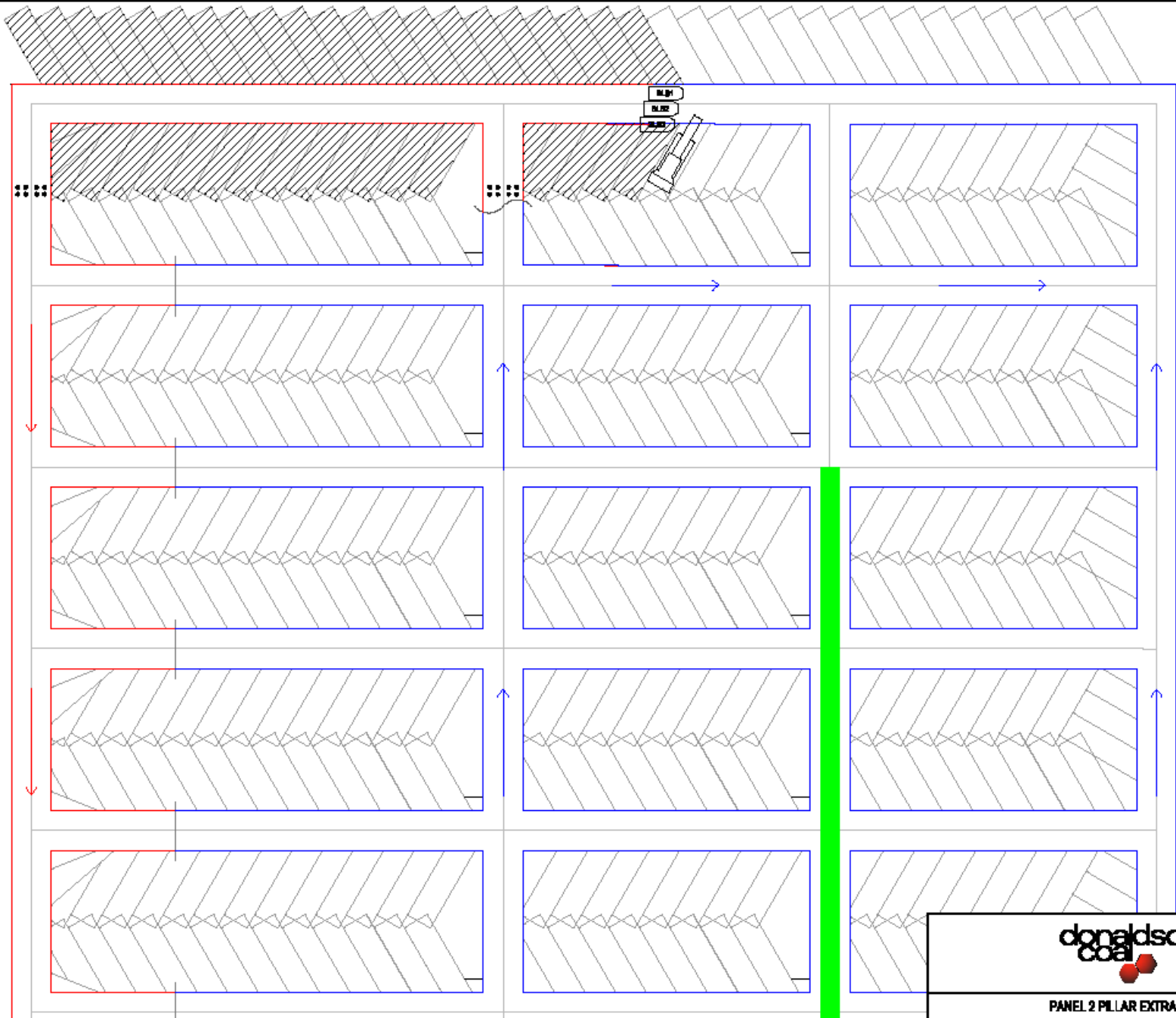
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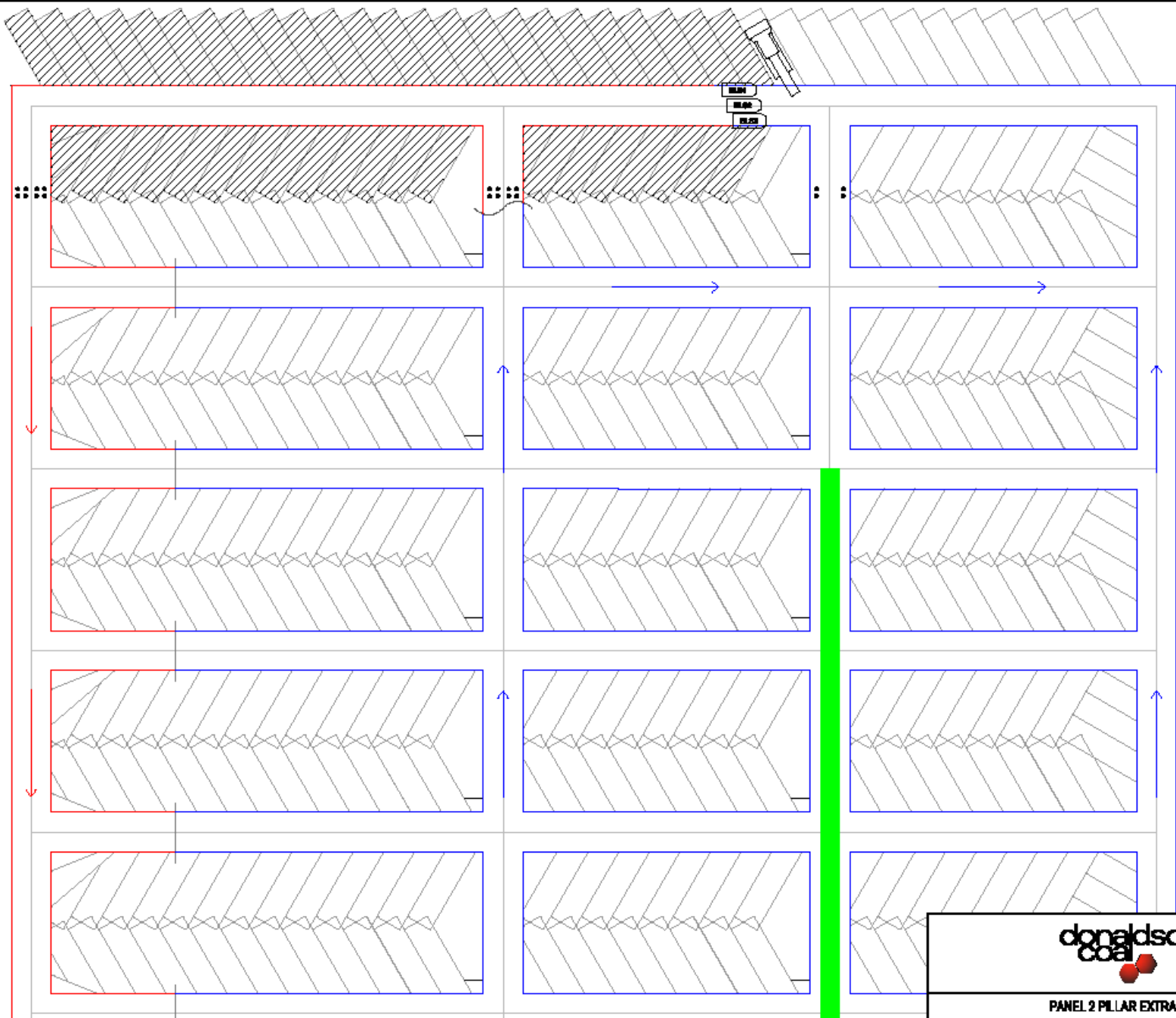
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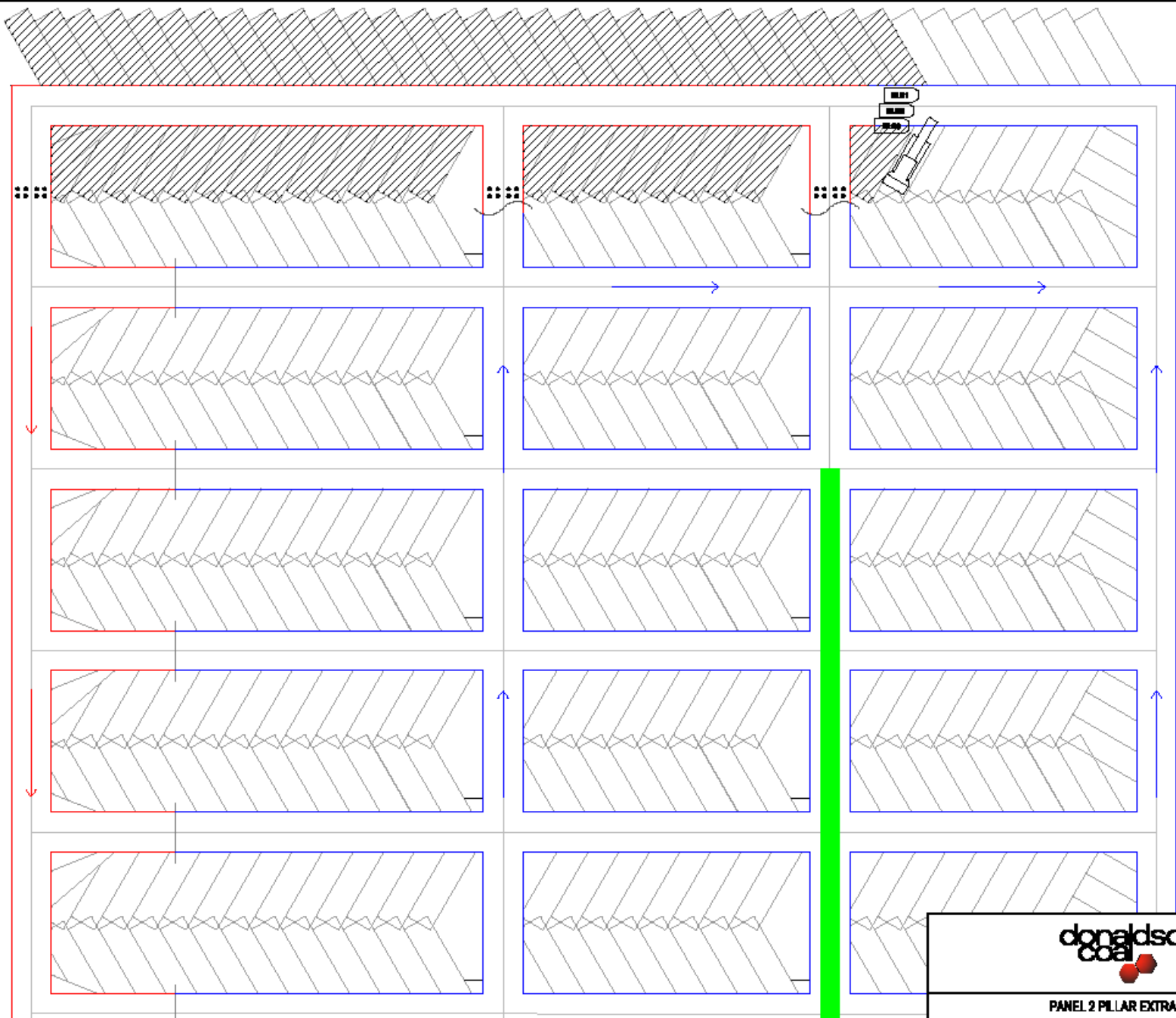
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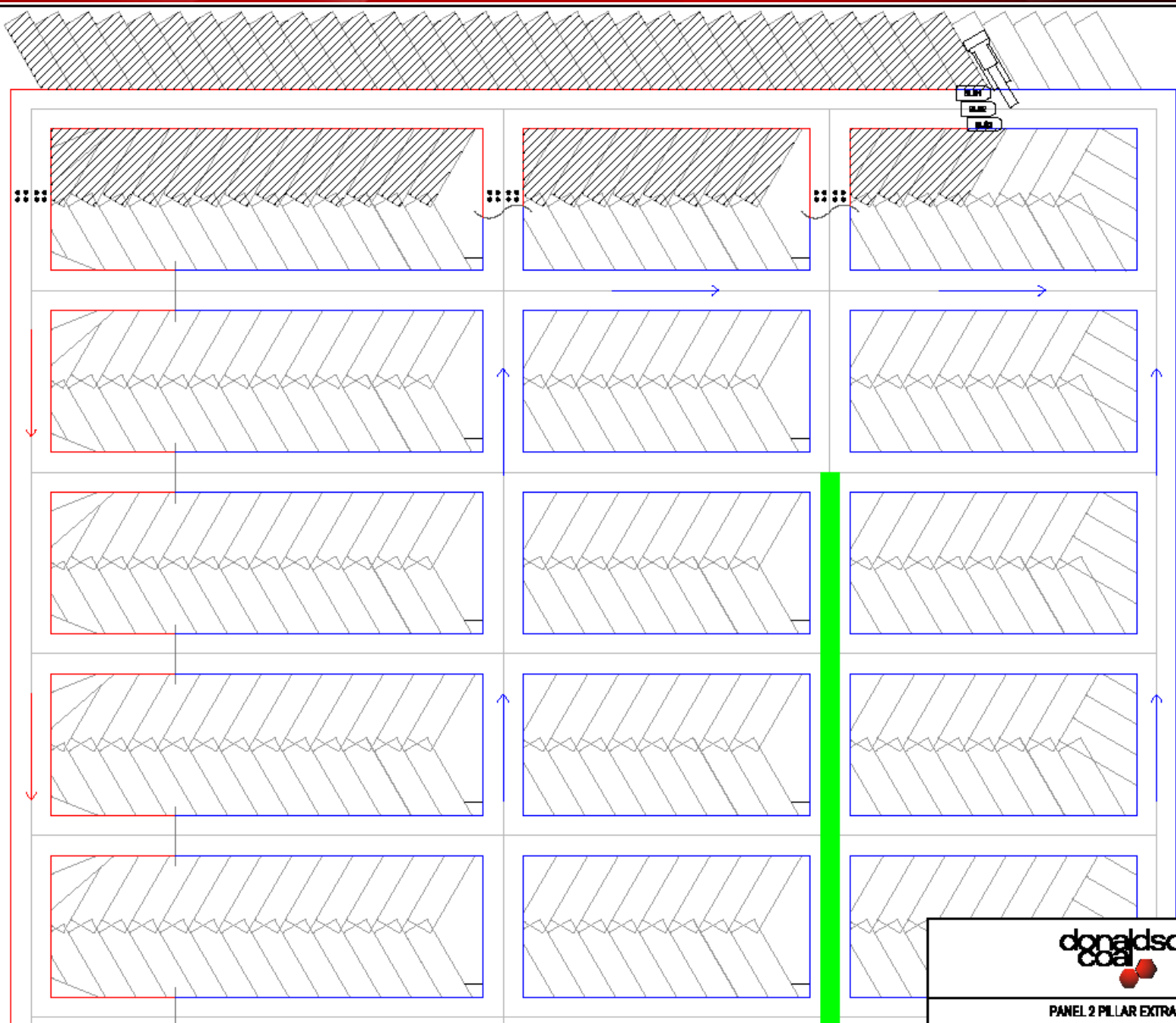
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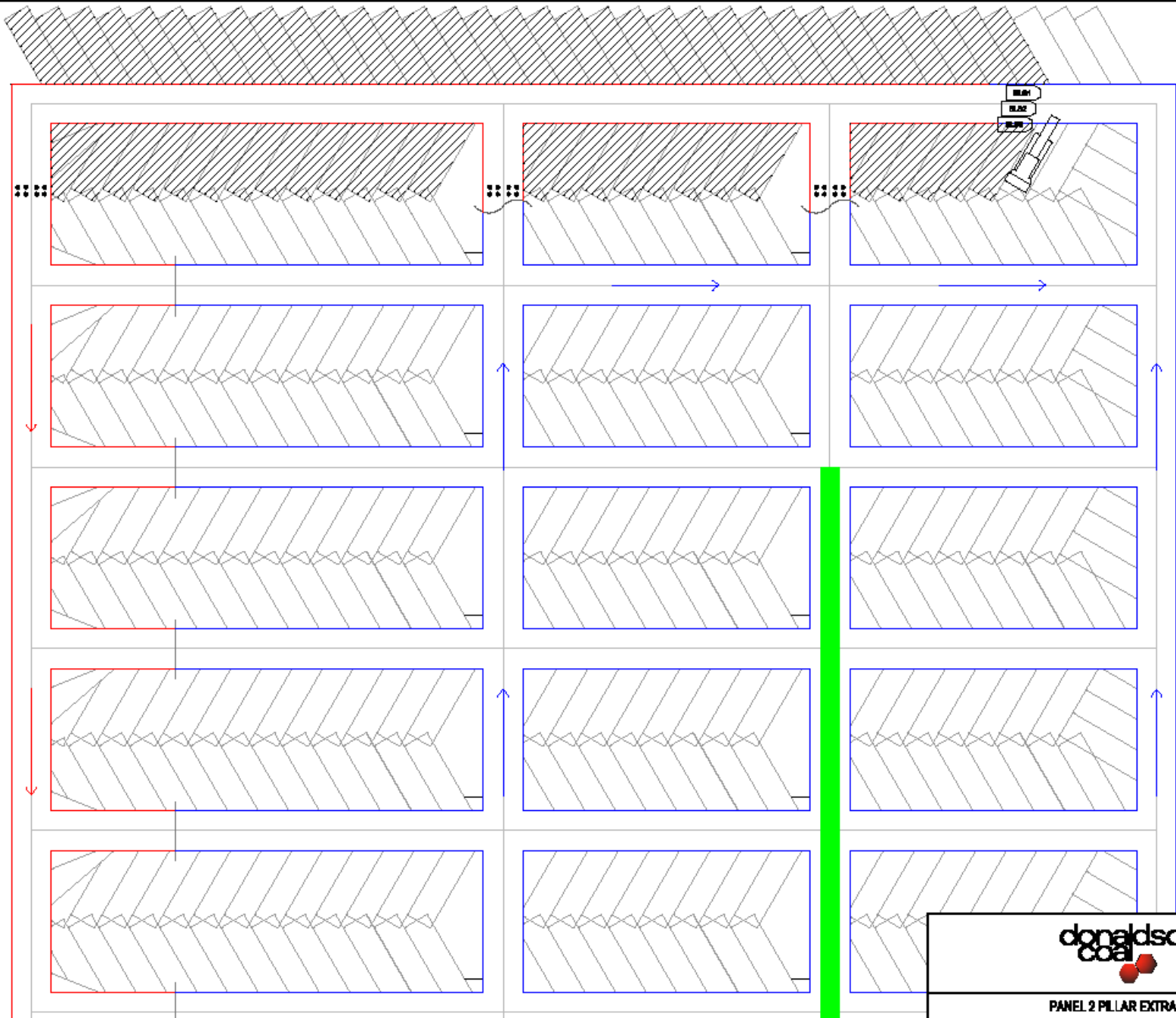


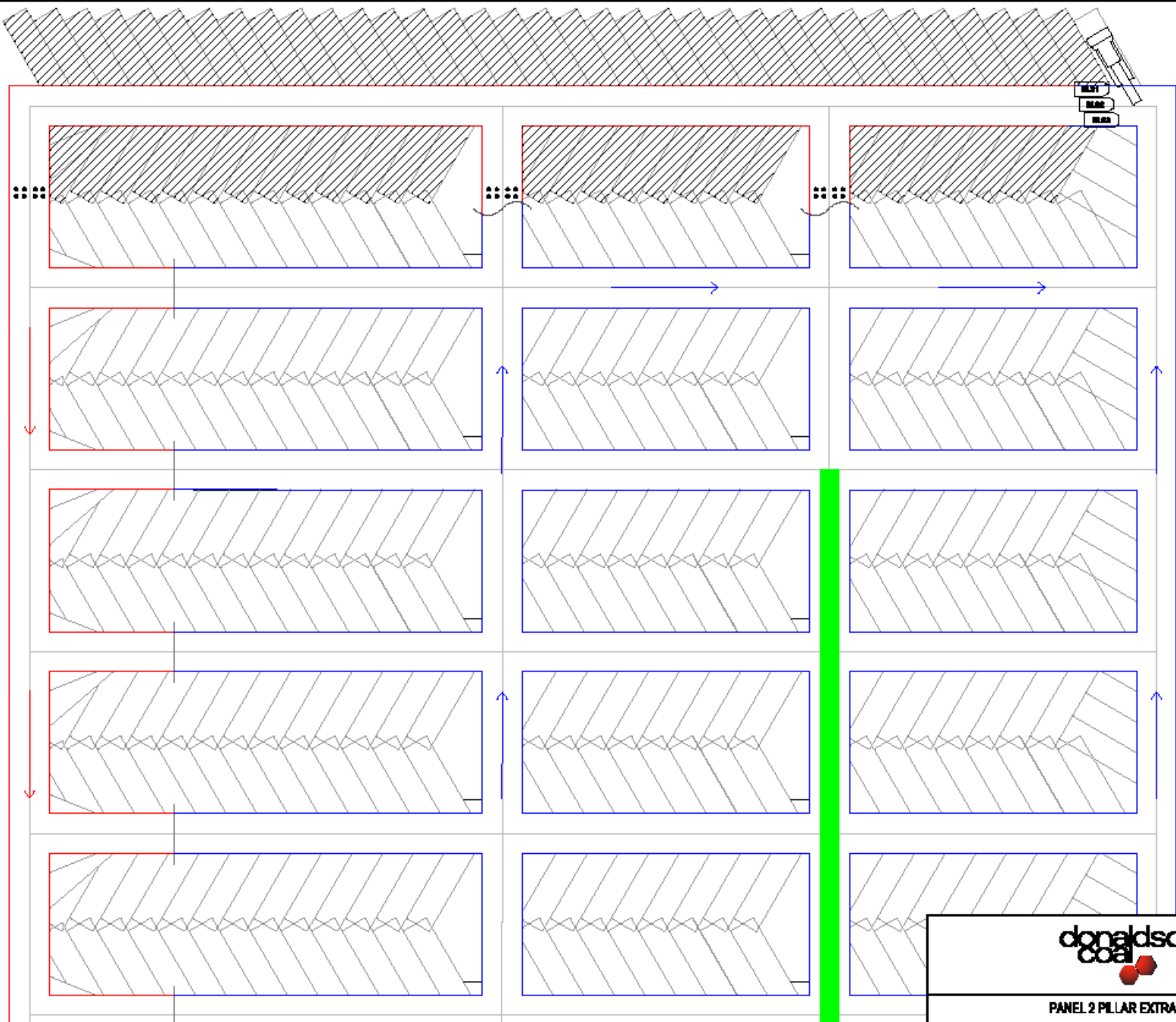
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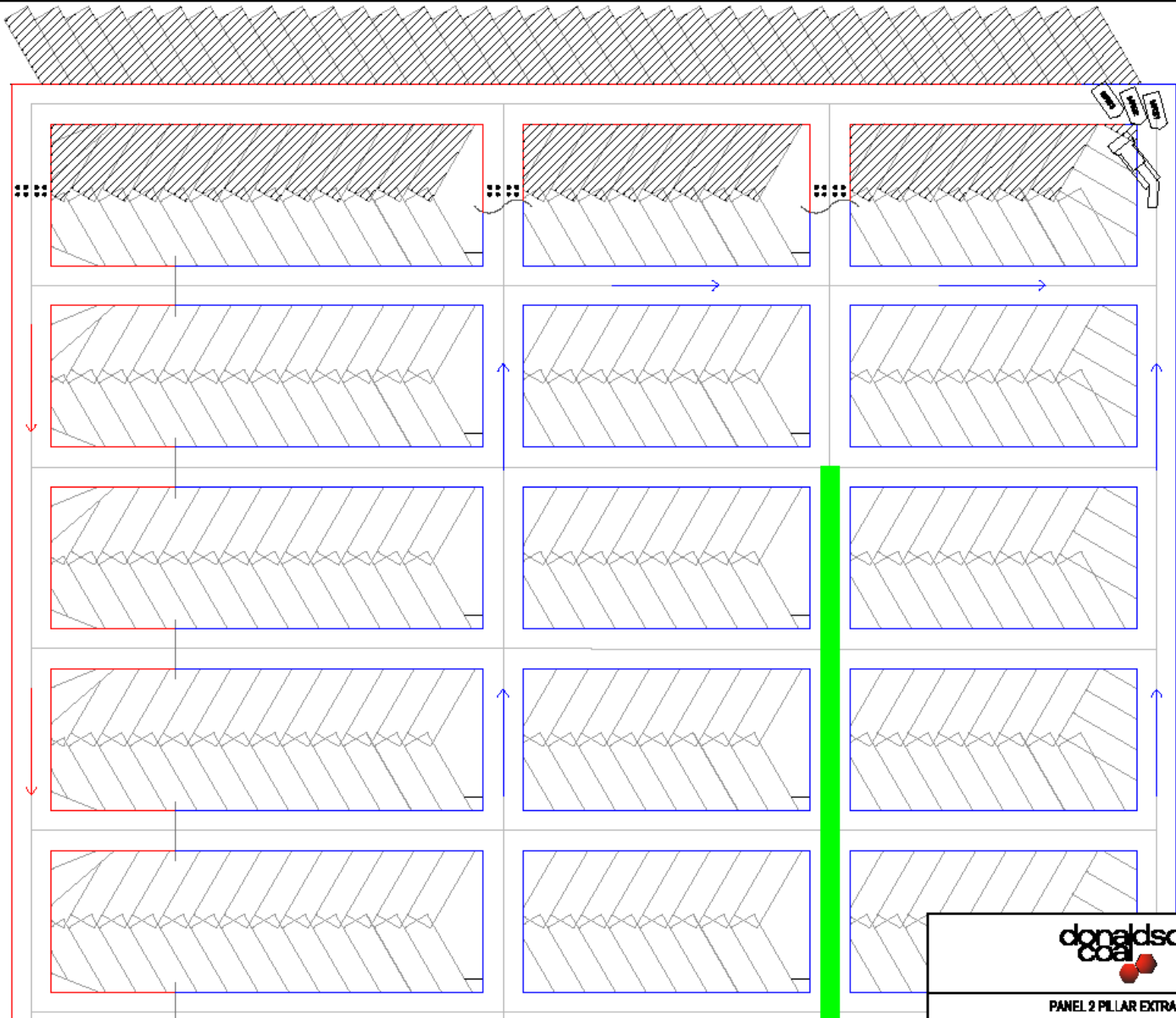
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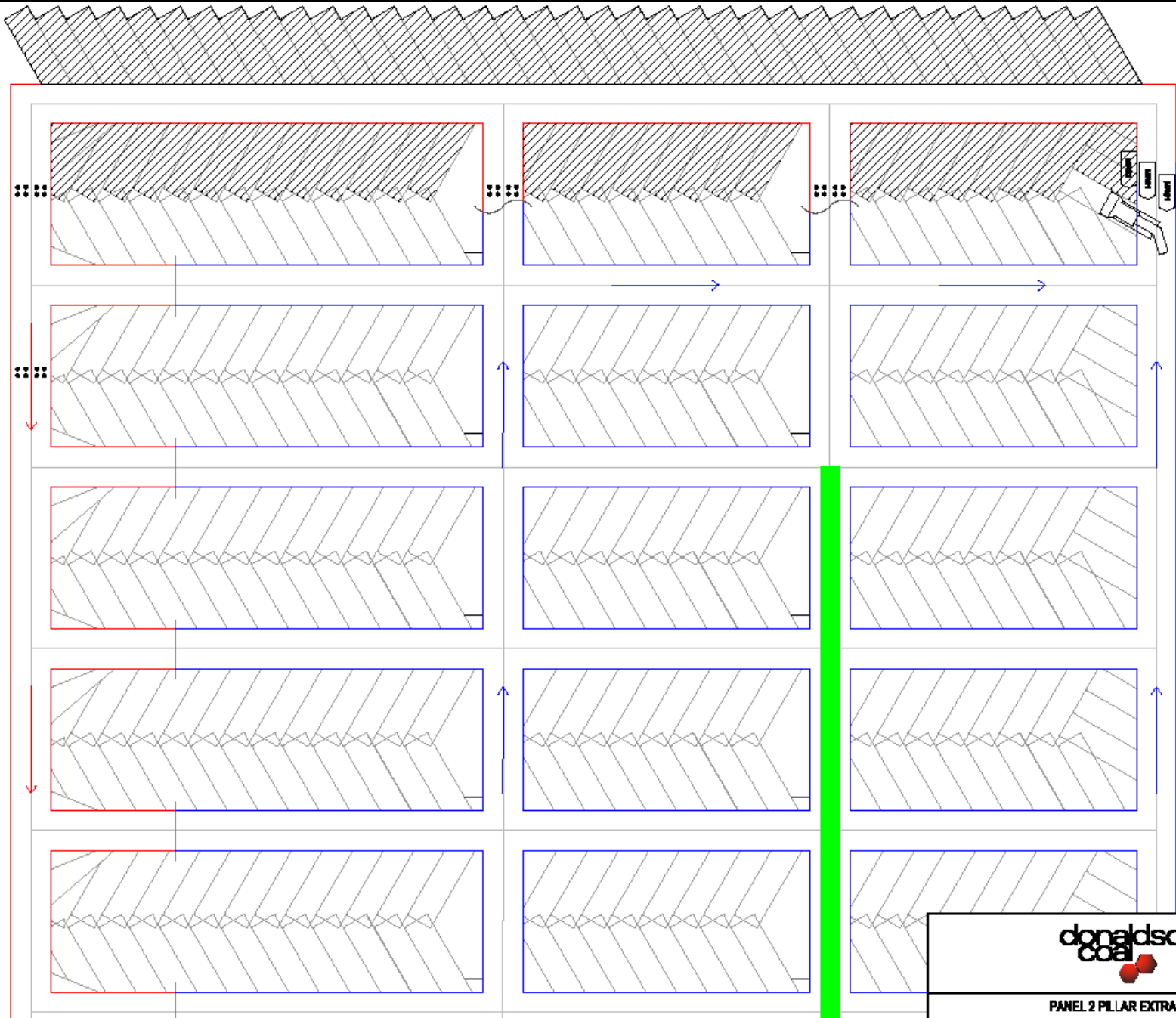




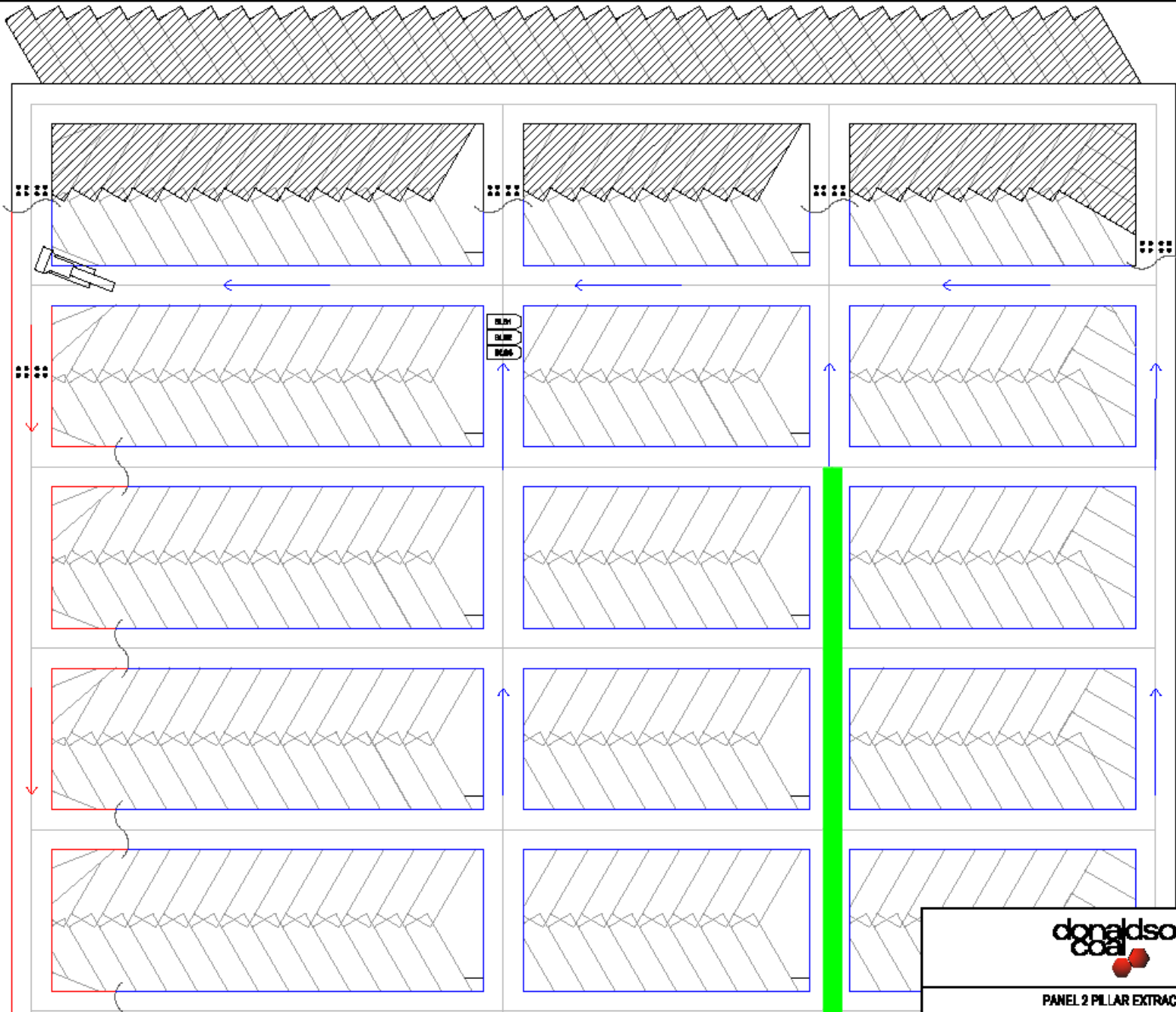
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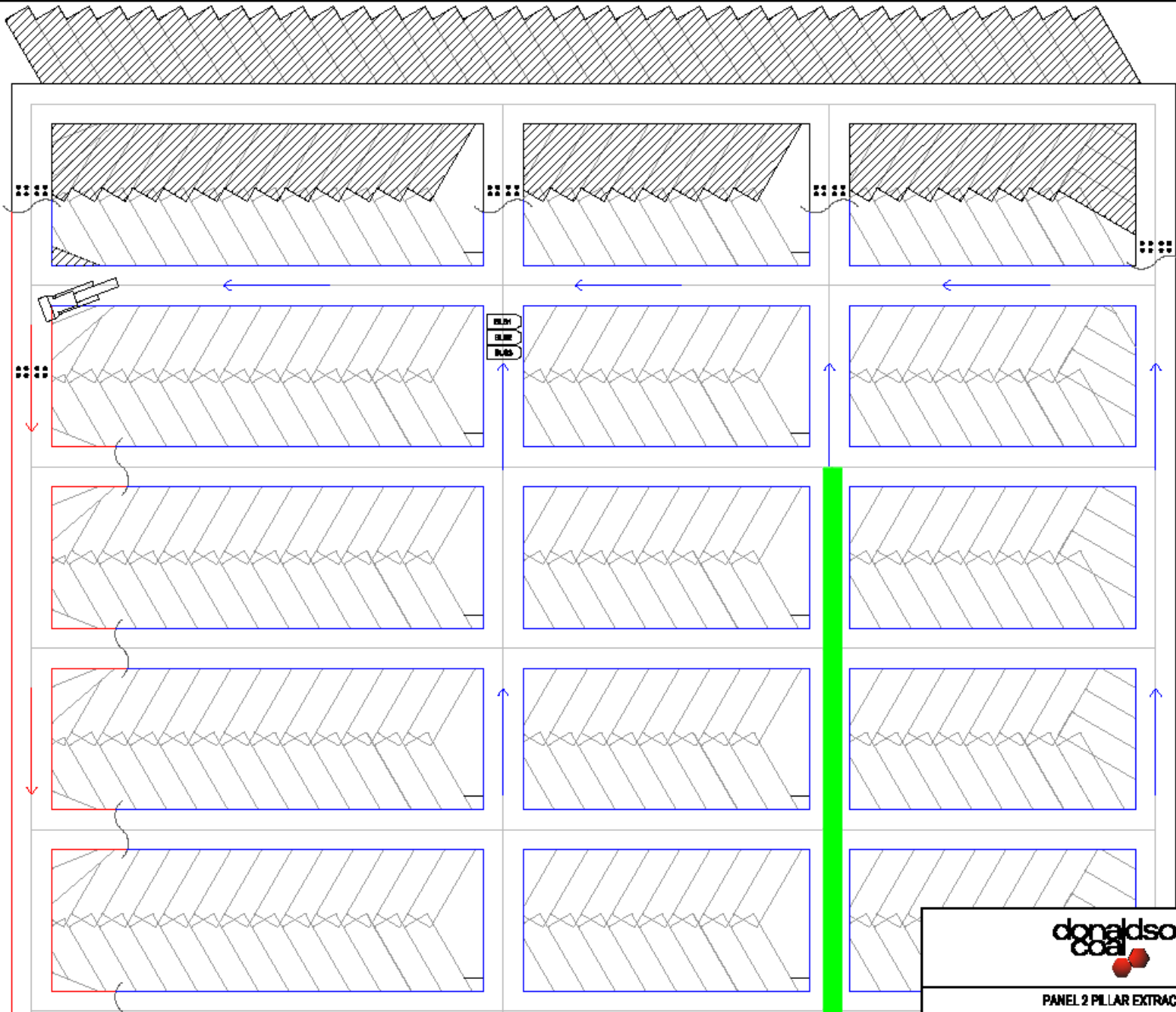
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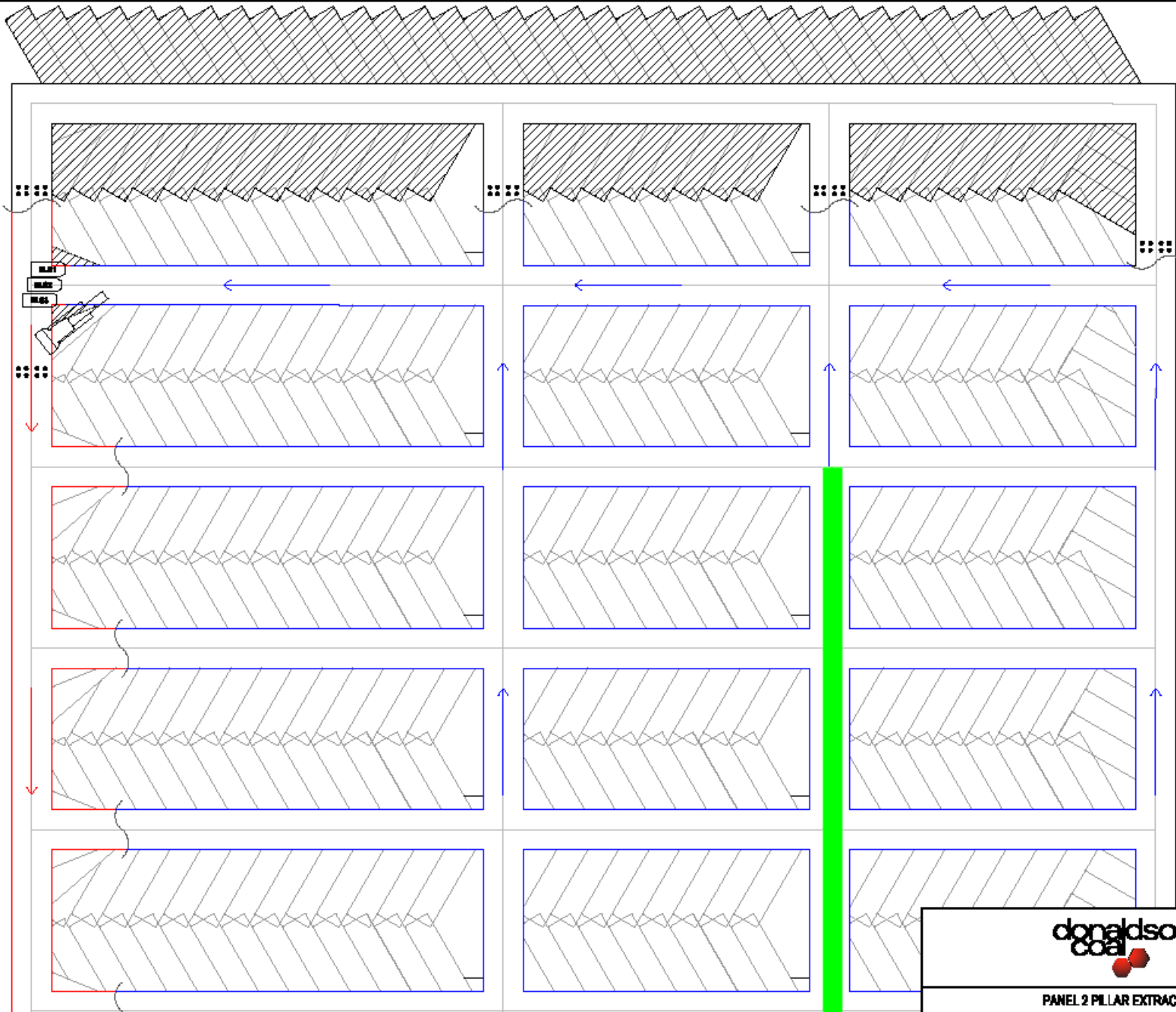
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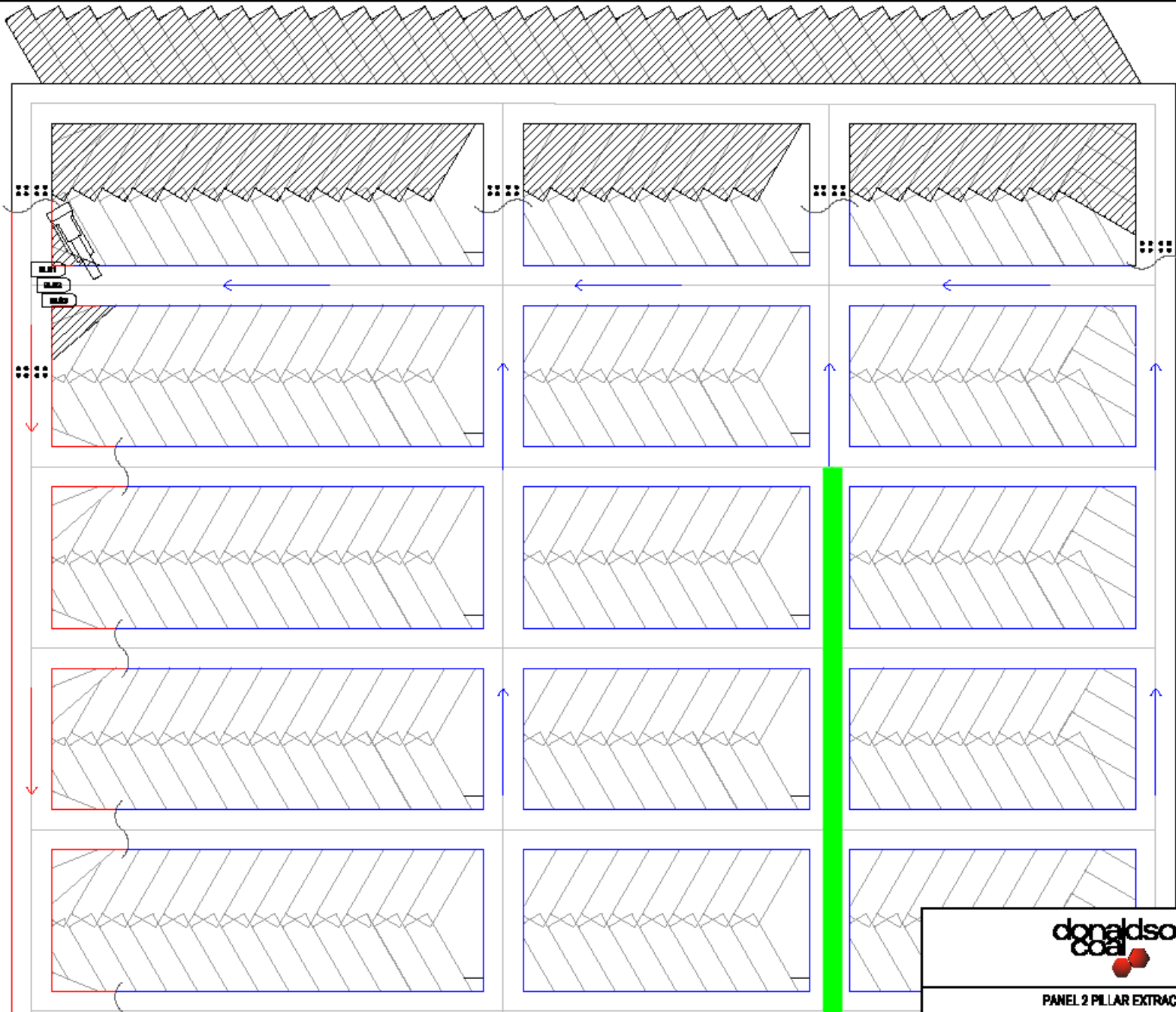
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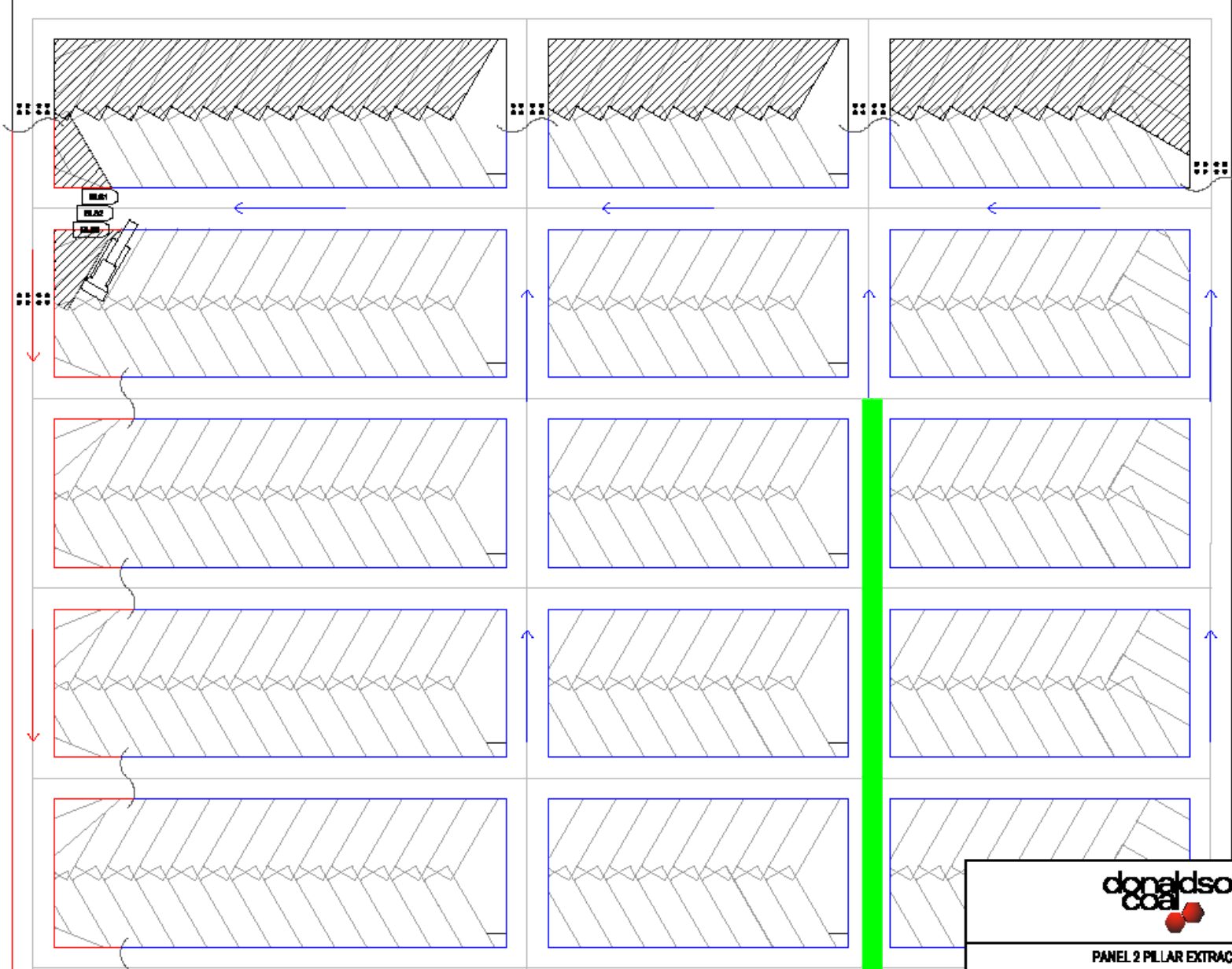
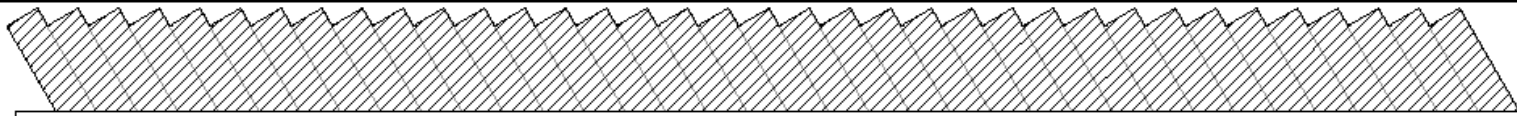
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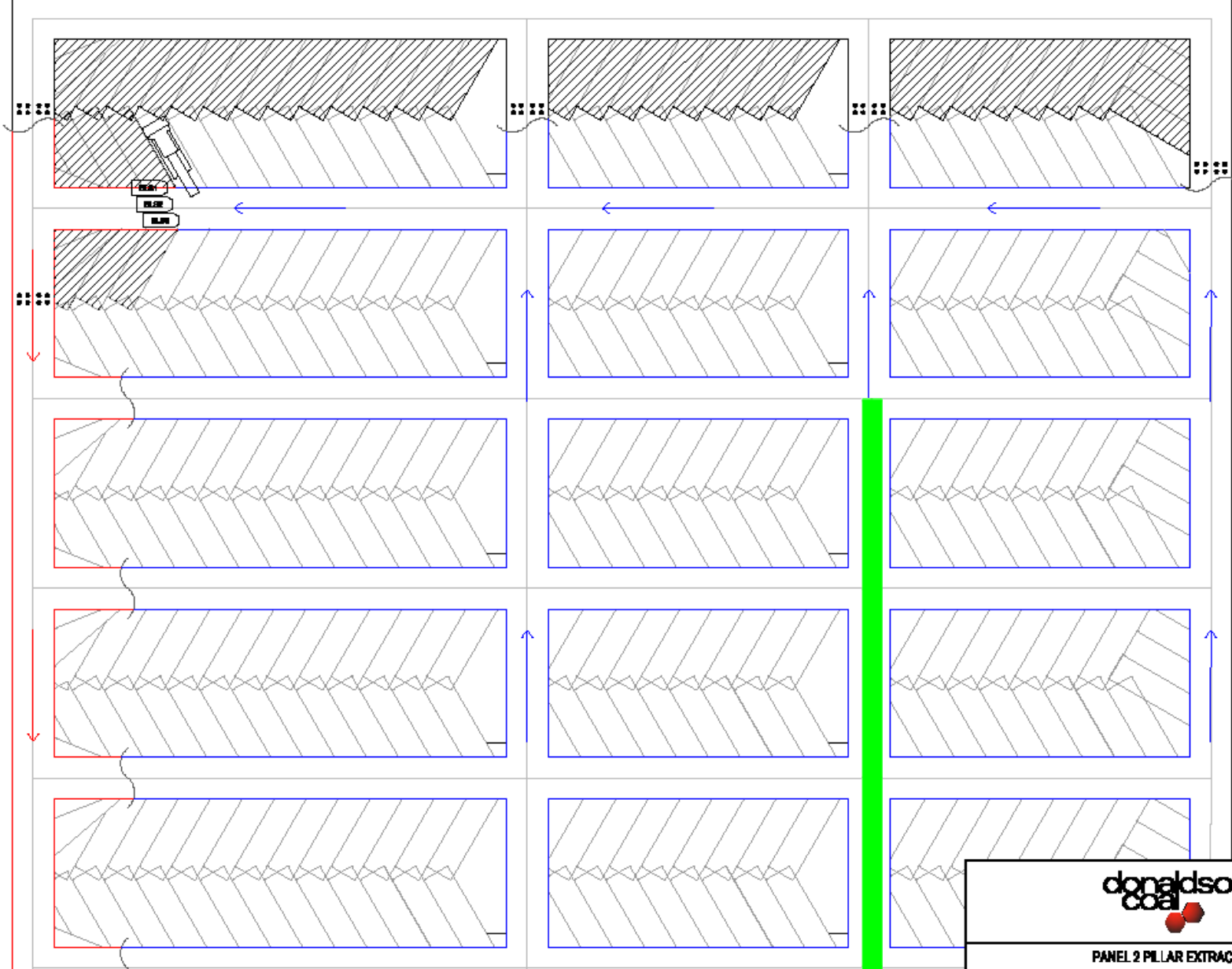
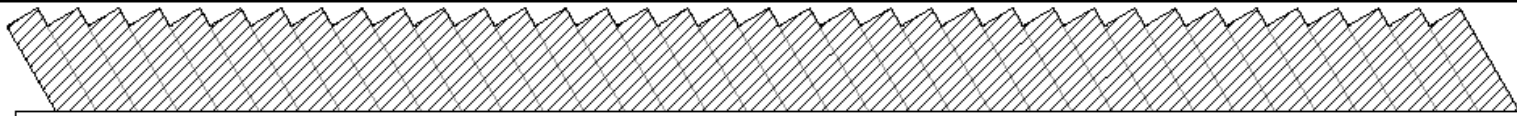
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PANEL 2 PILLAR EXTRACTION



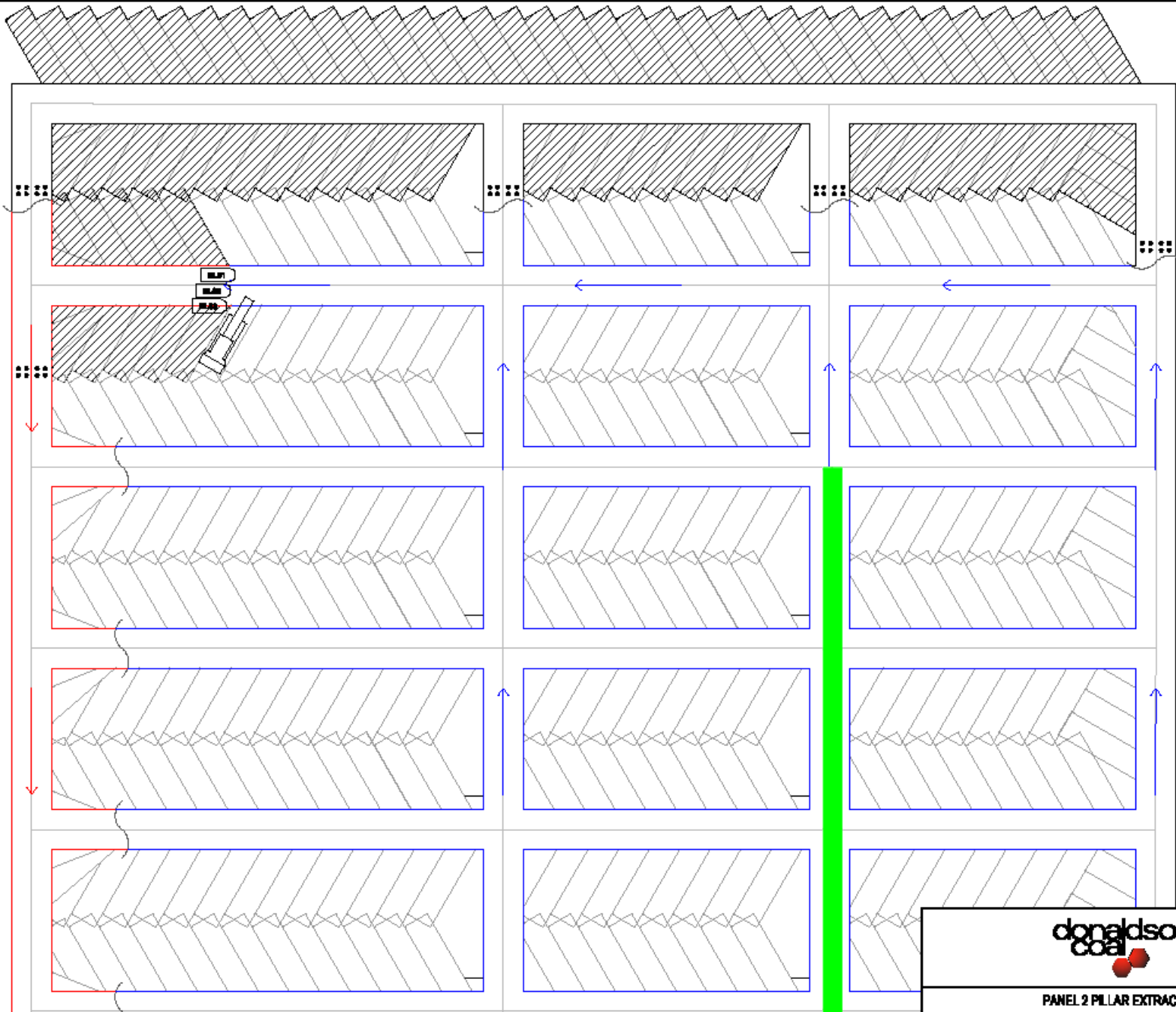
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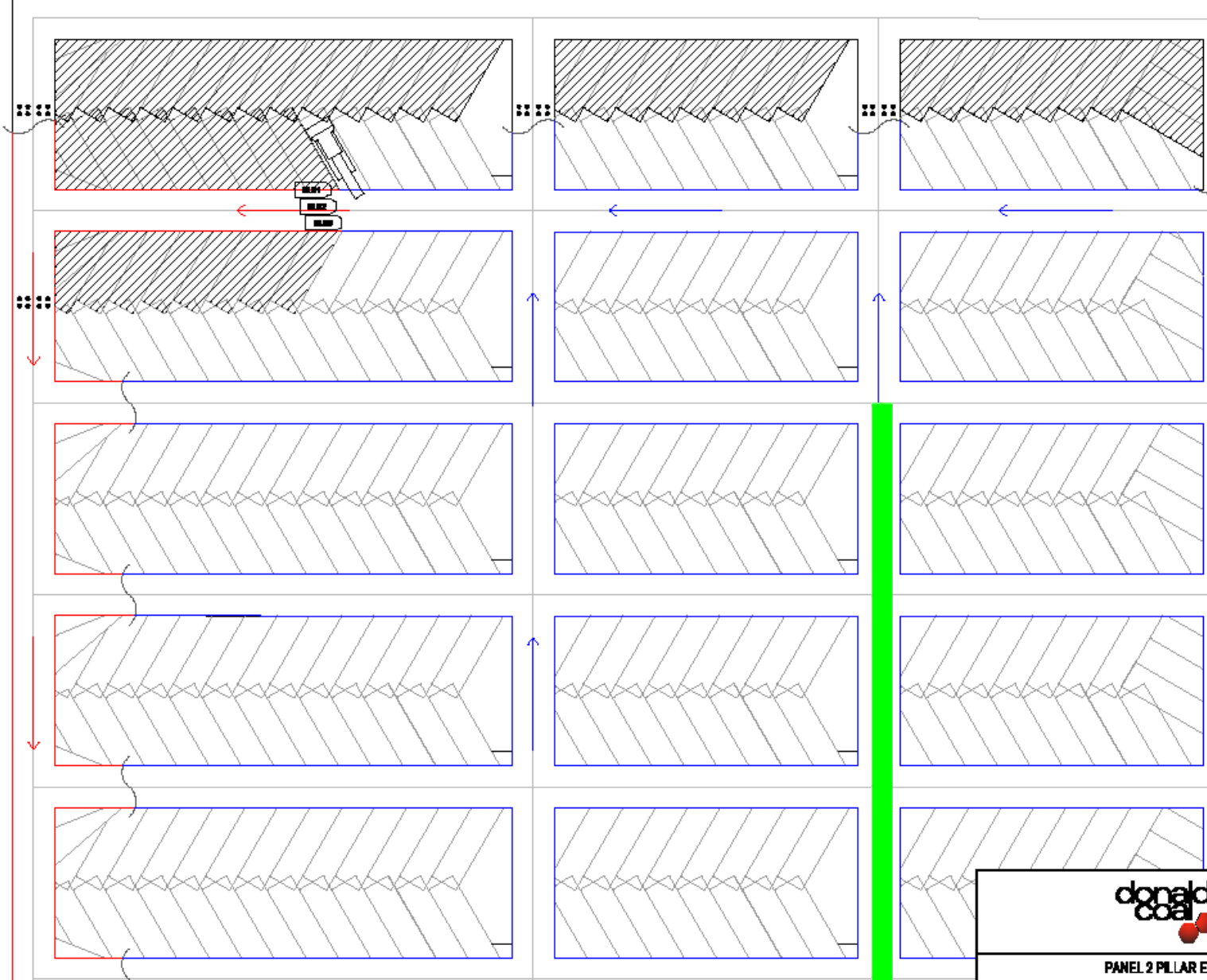
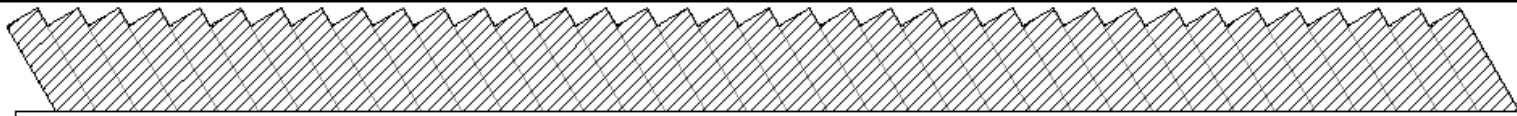
ROOF
PILLAR



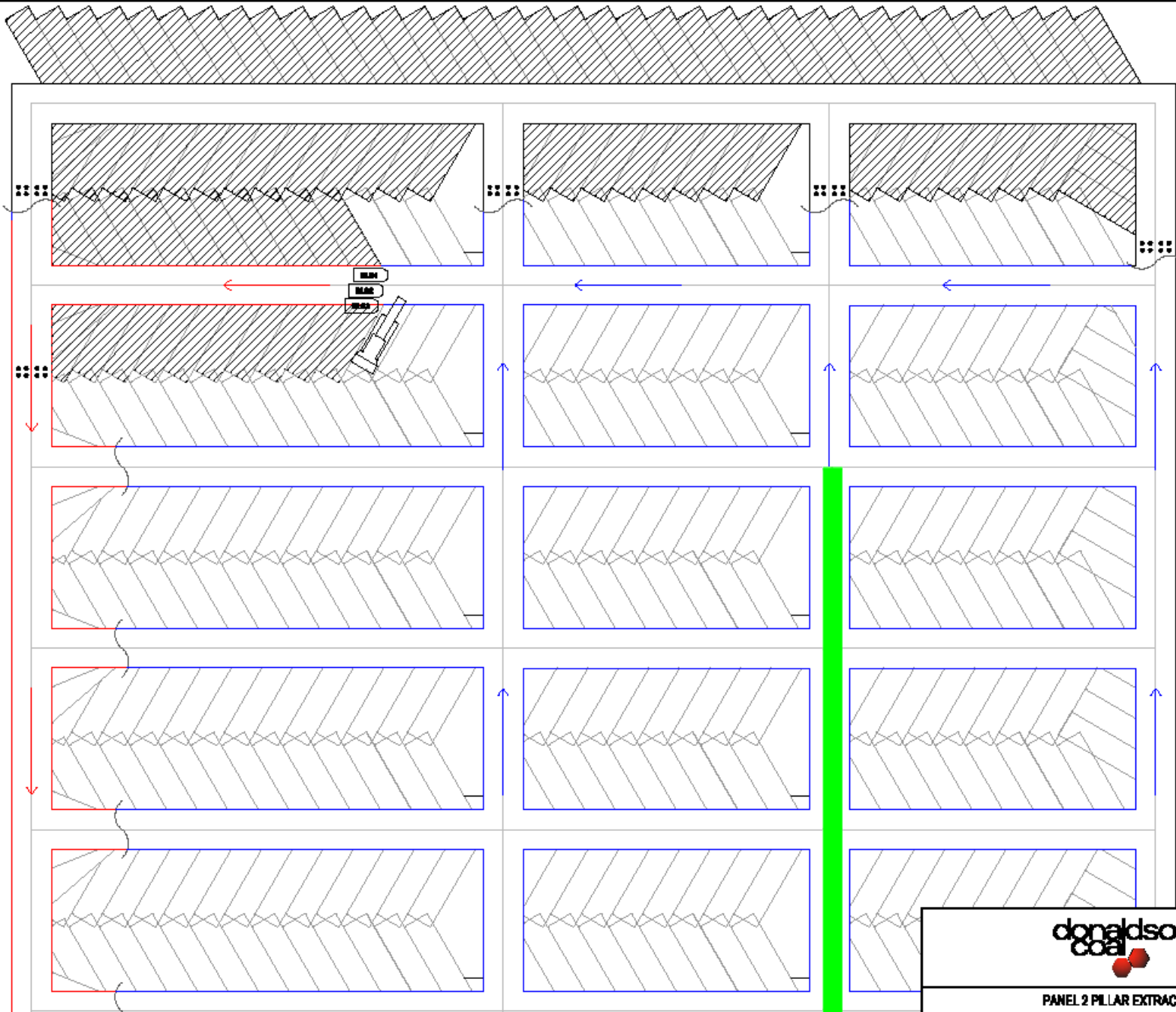
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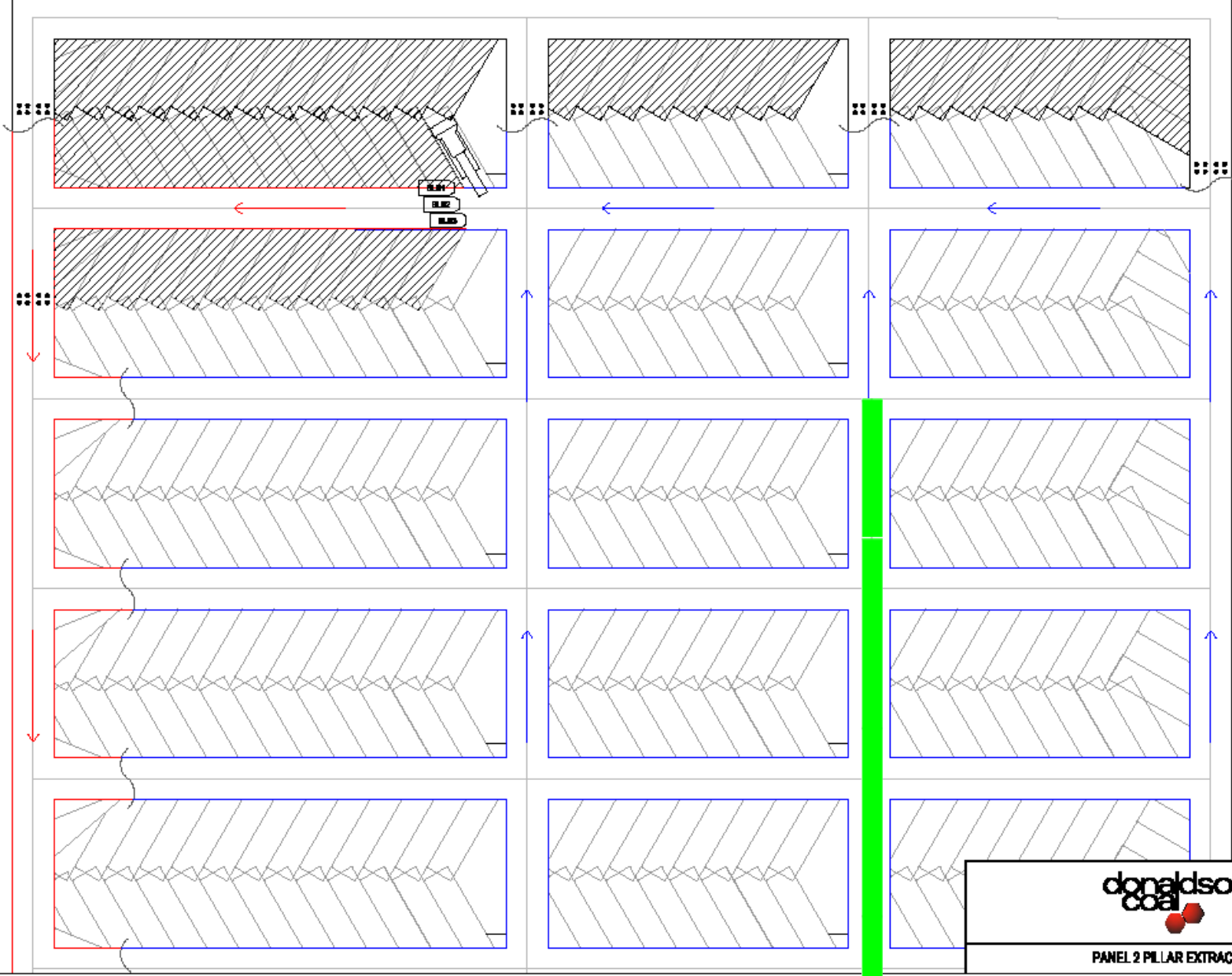
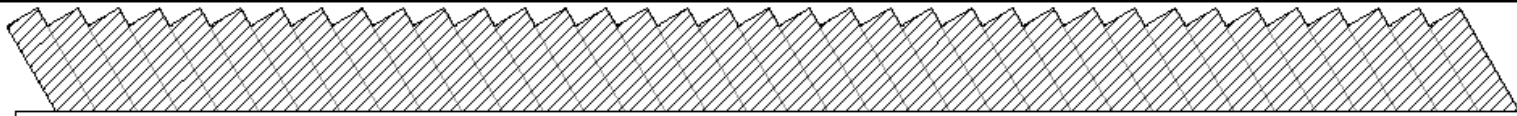
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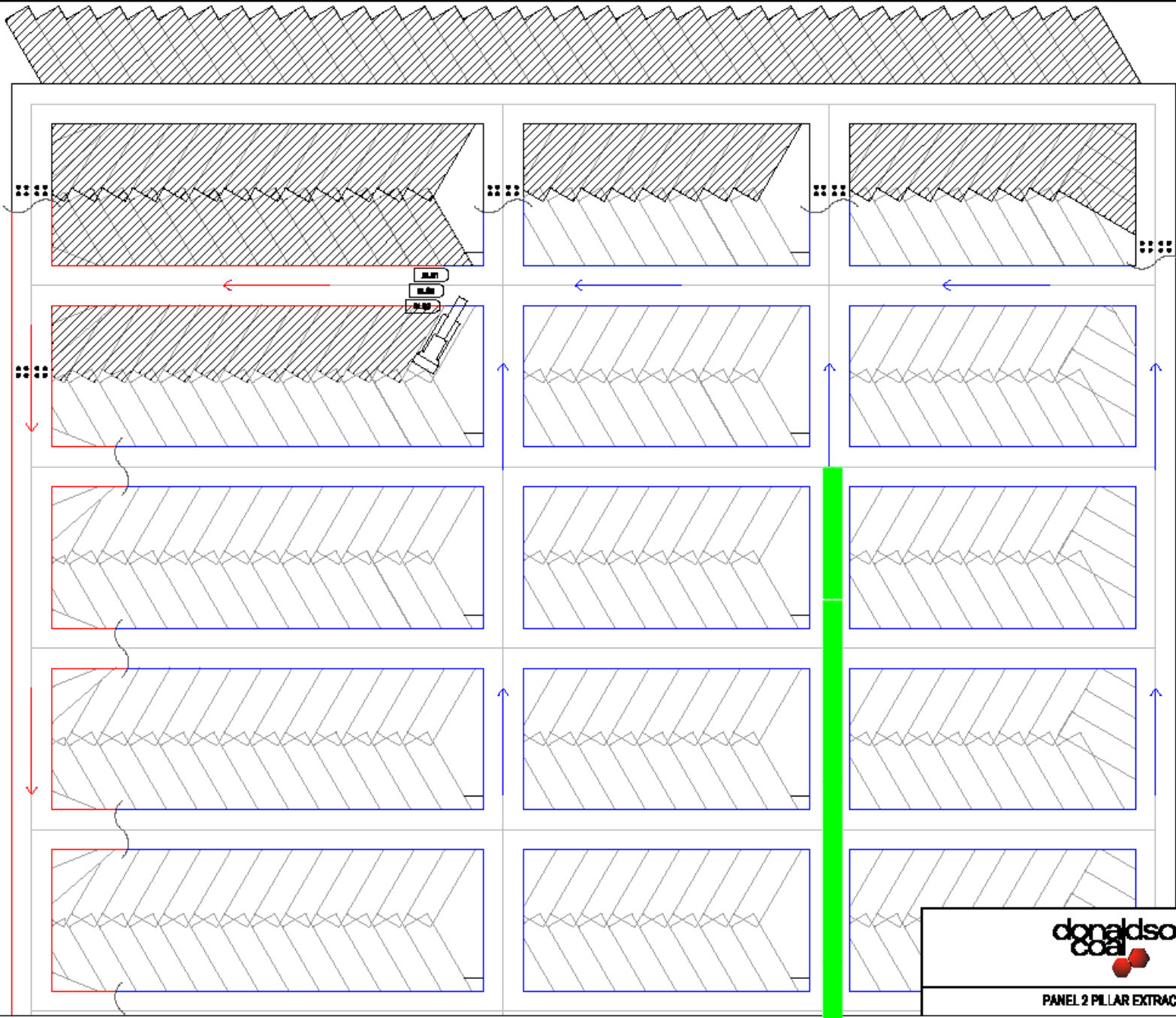
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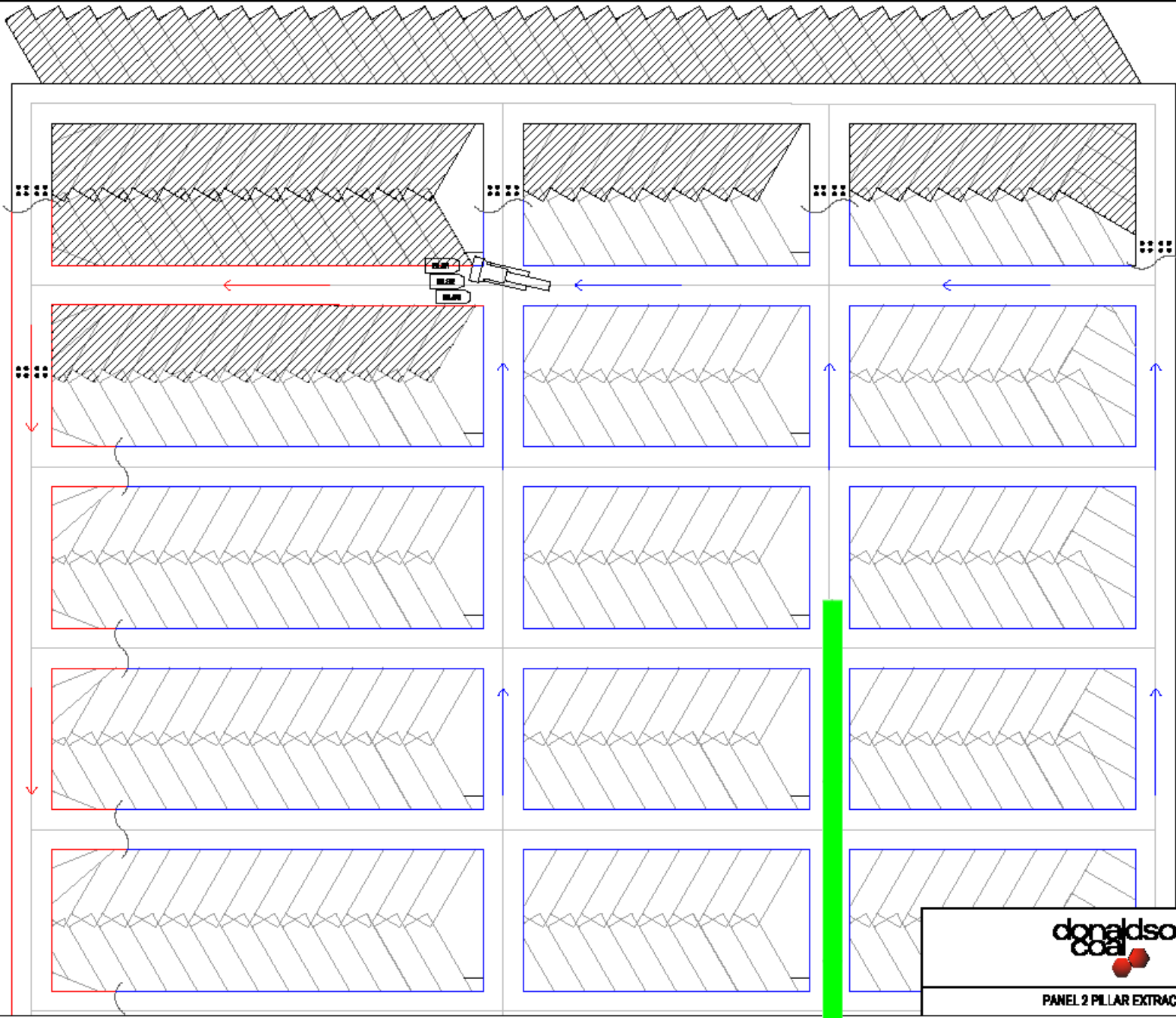
BLM
BLM



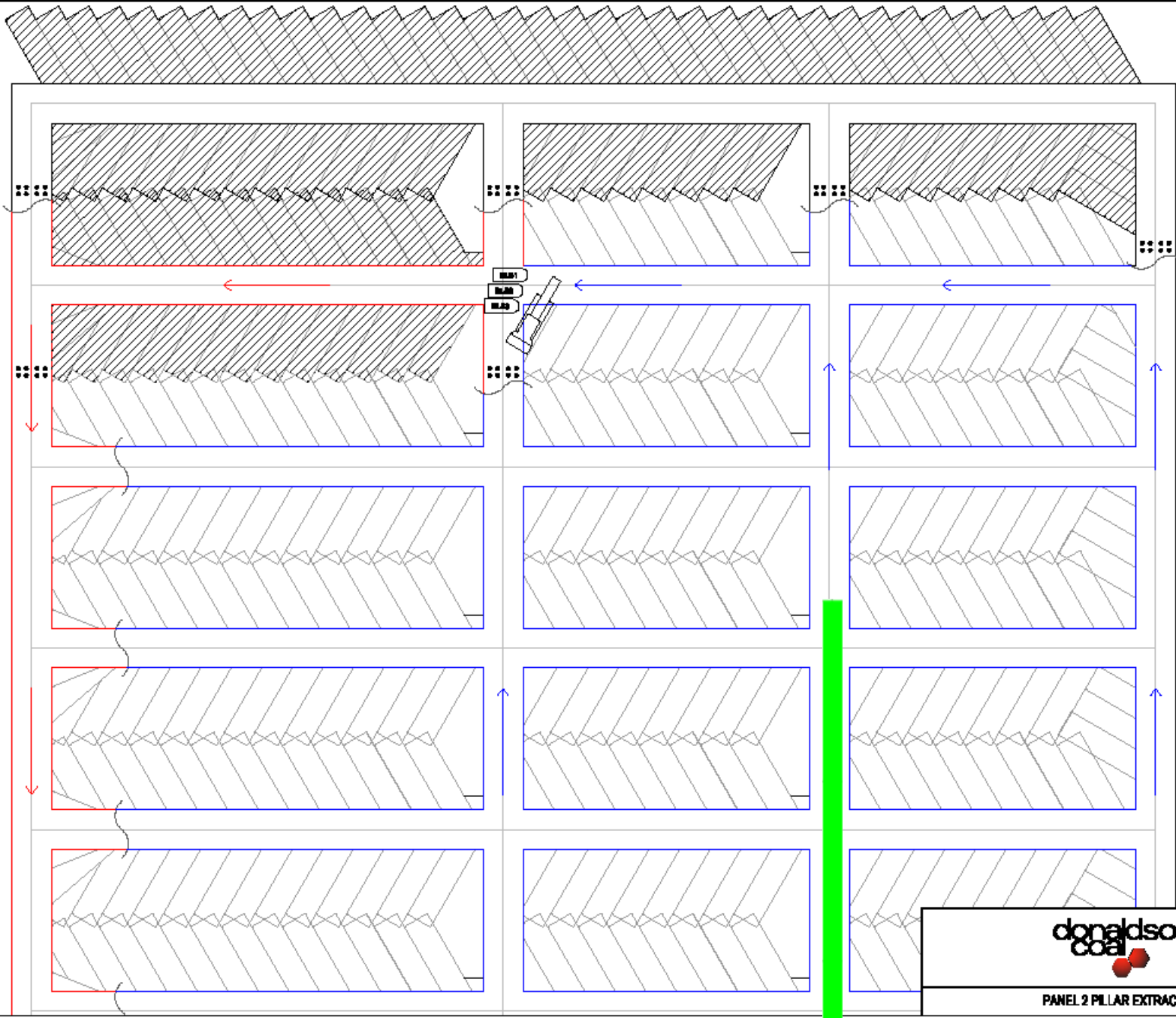
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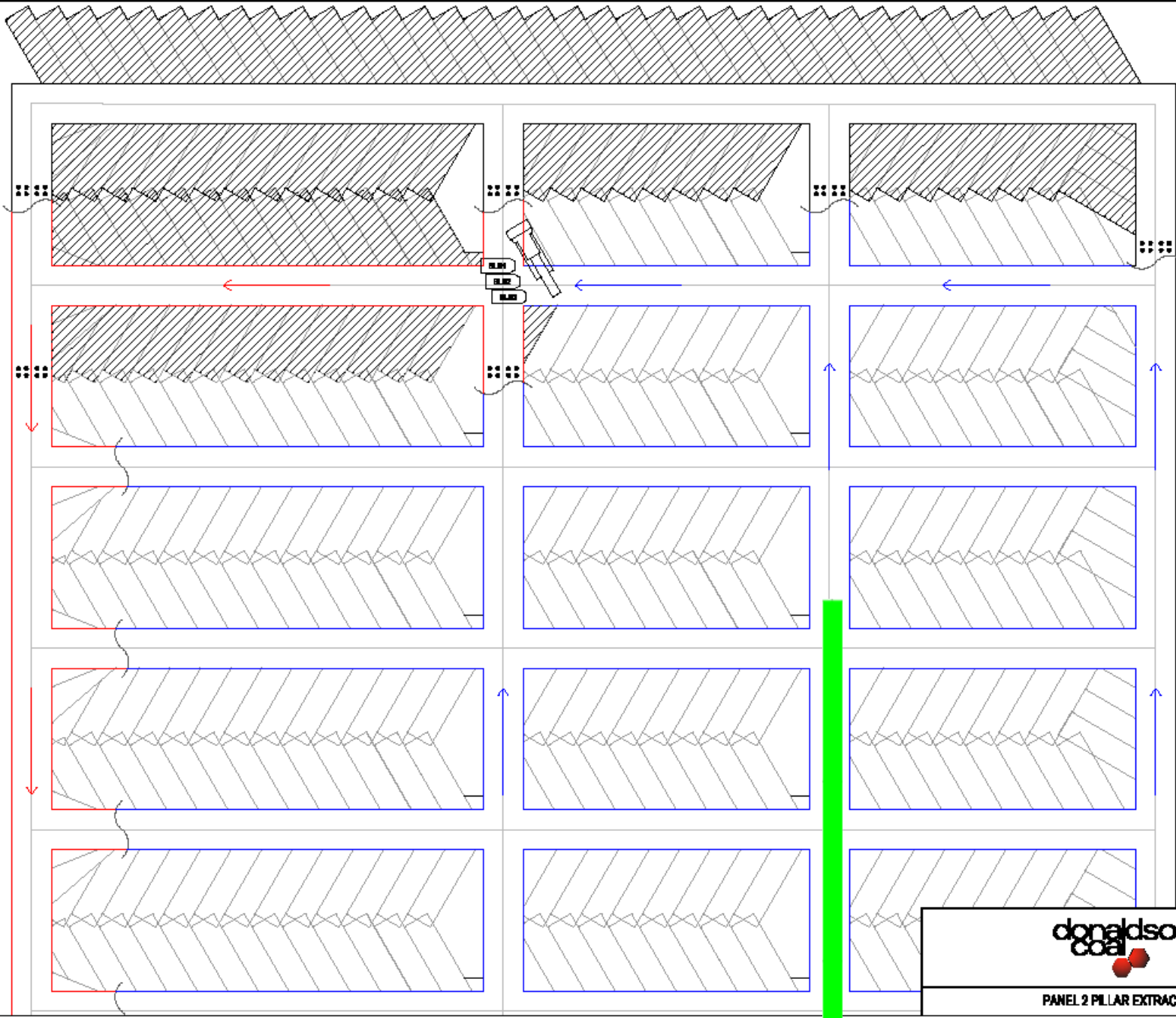
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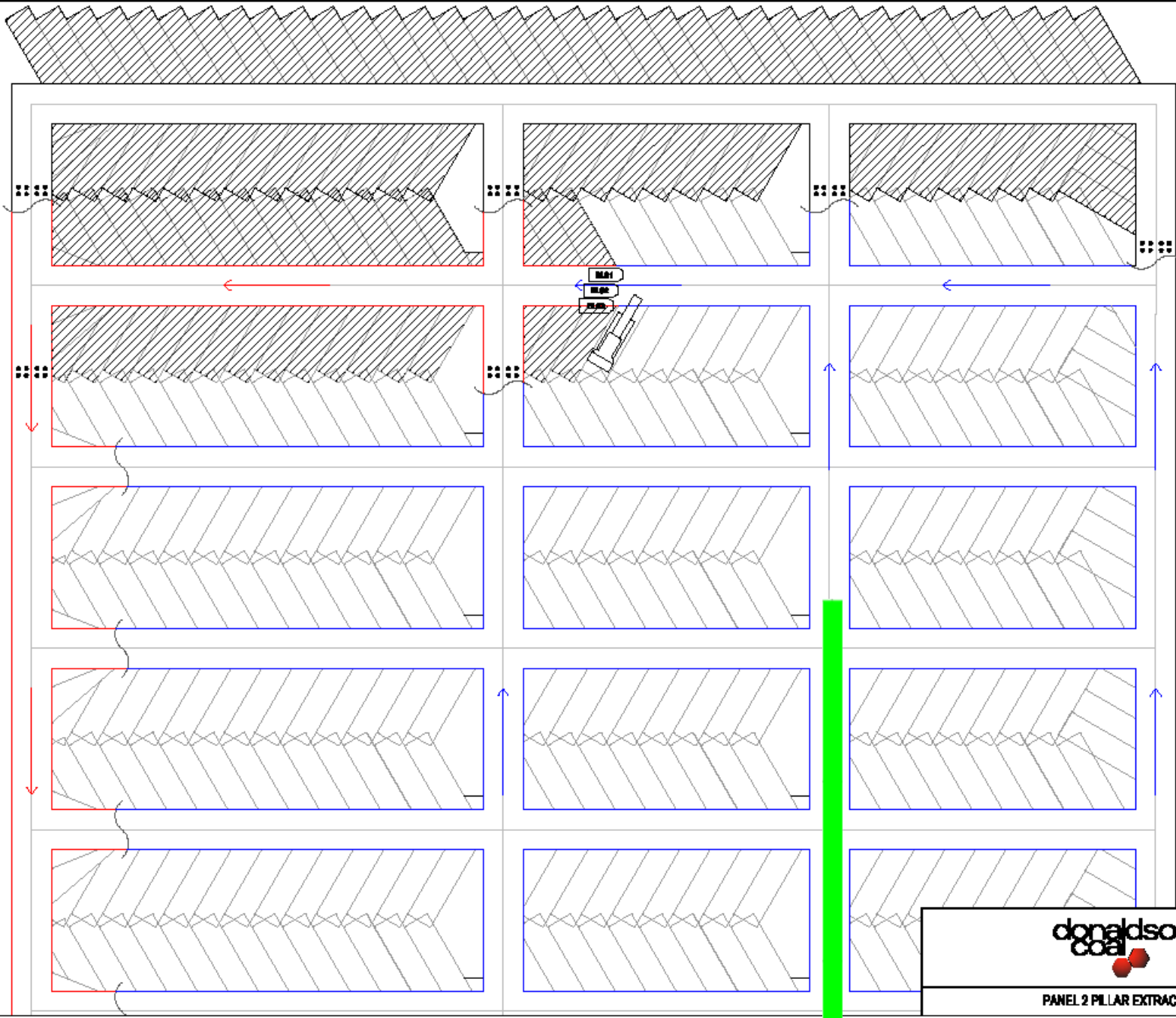
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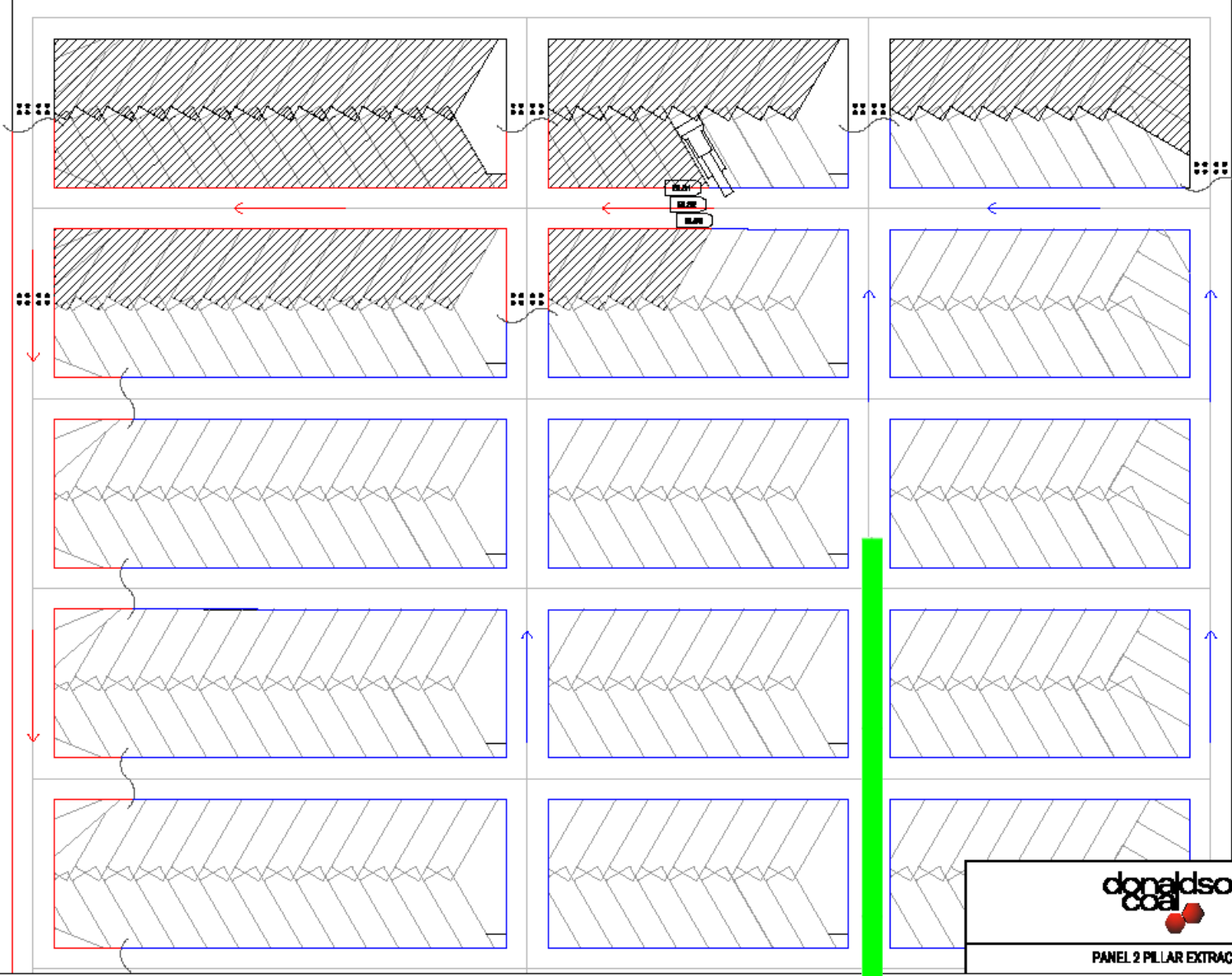
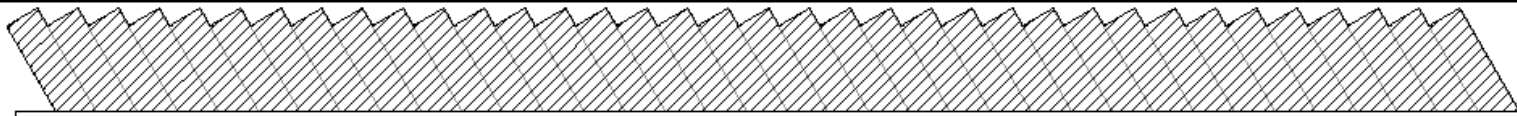
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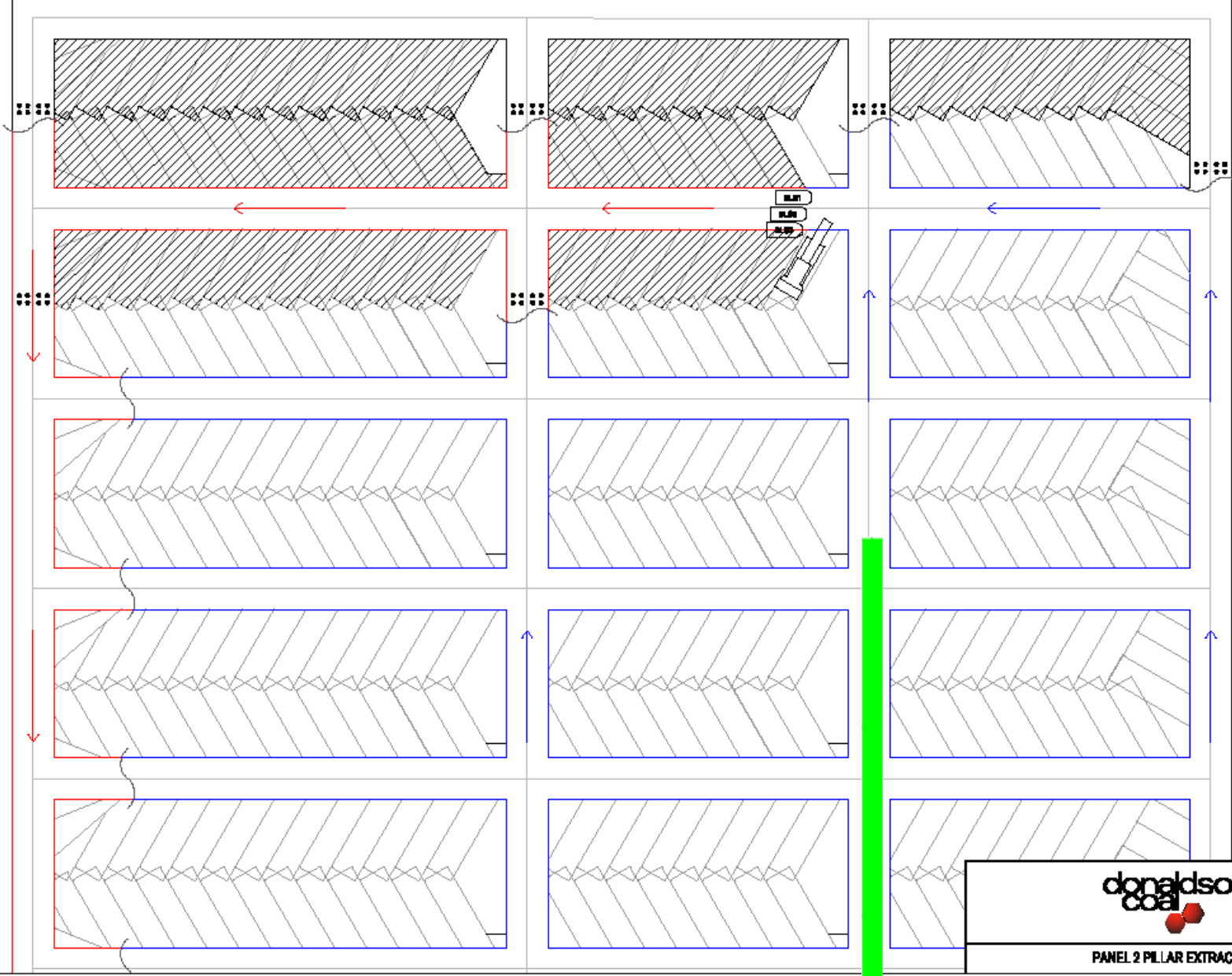
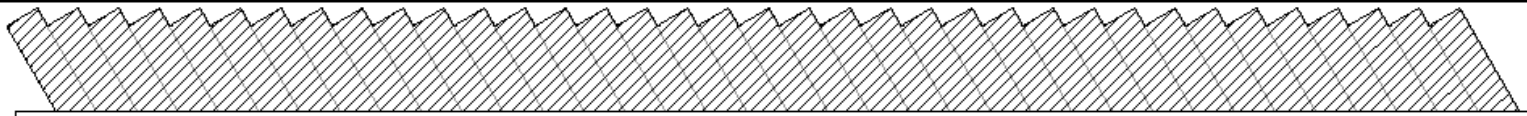
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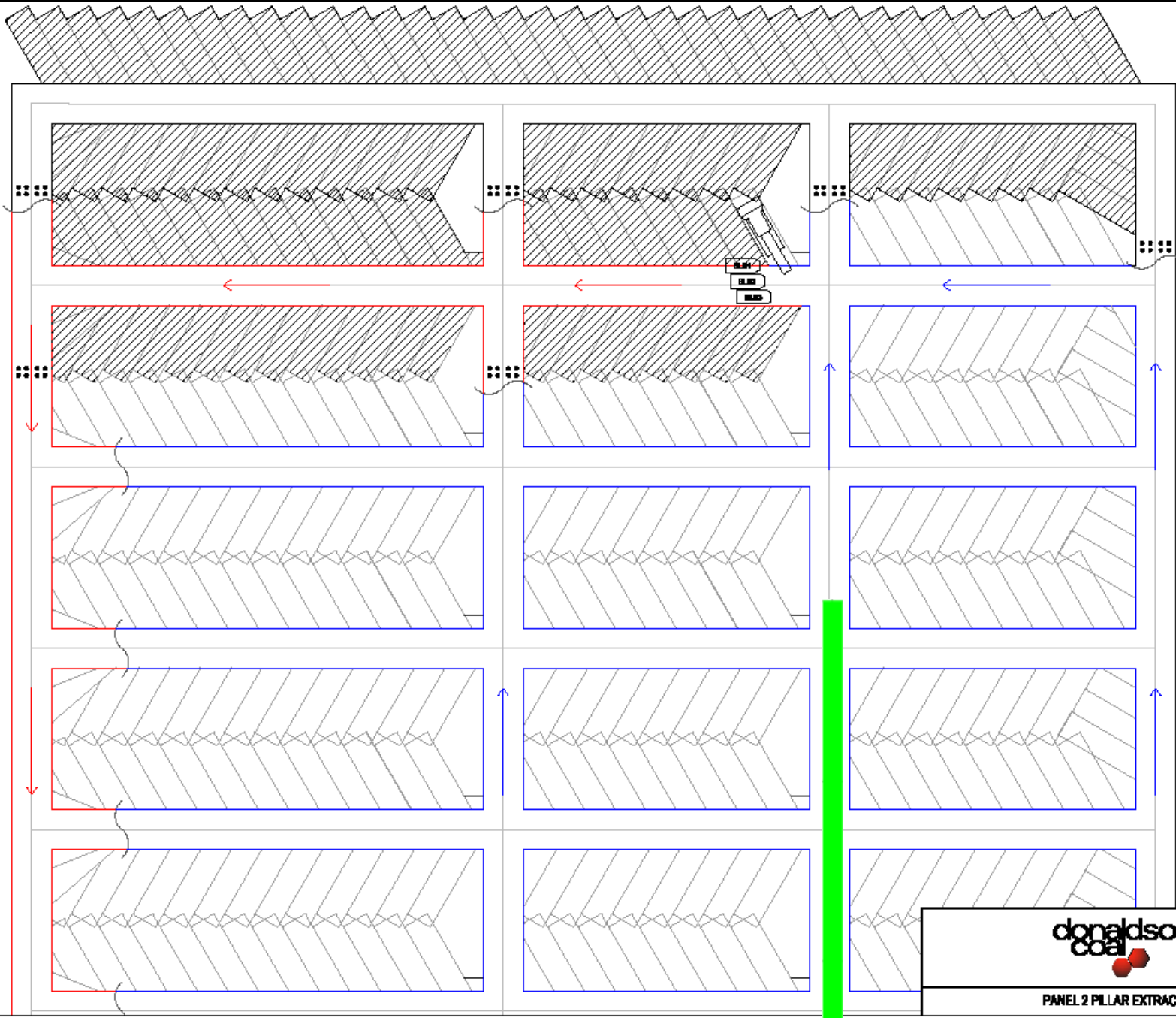


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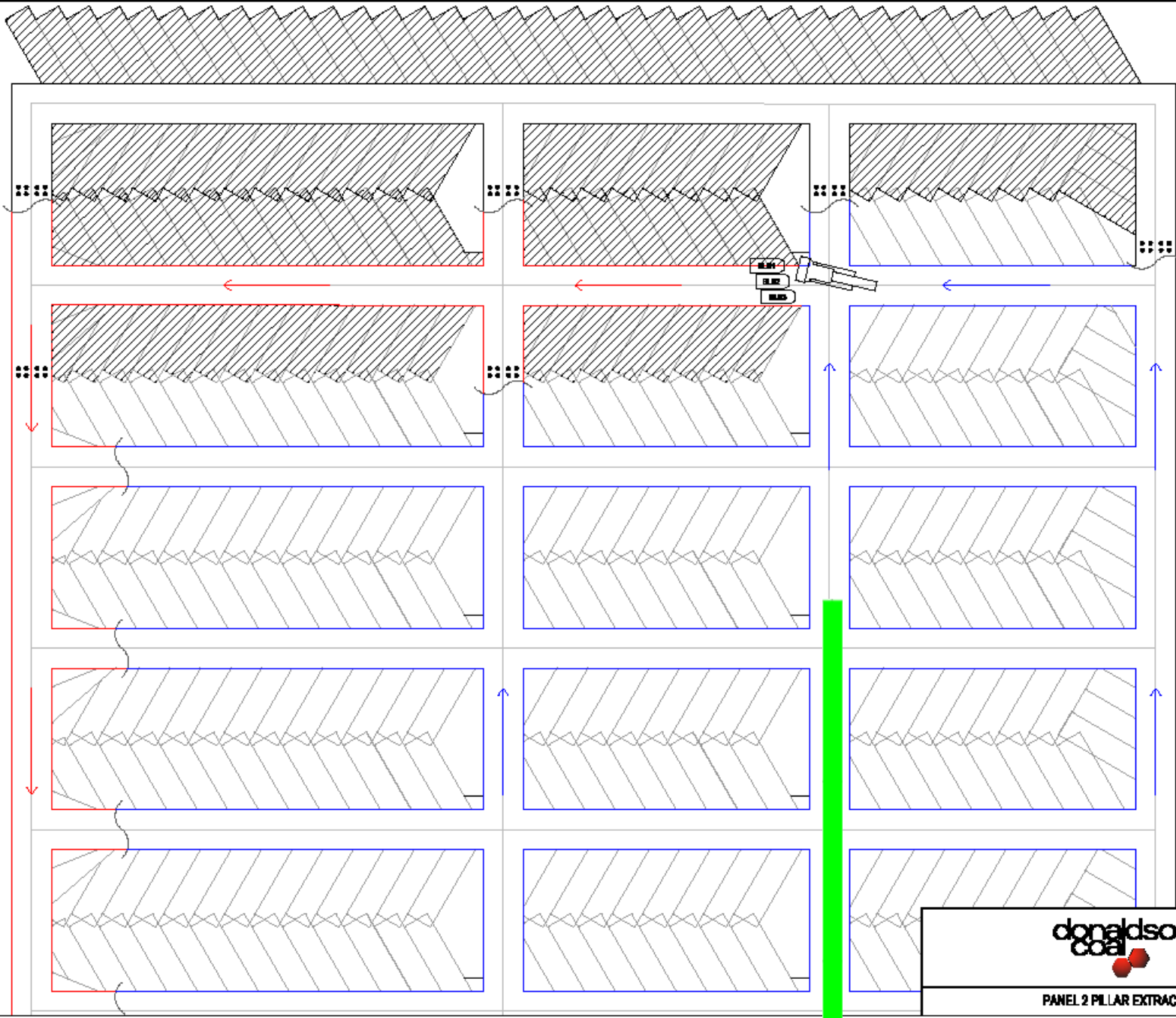


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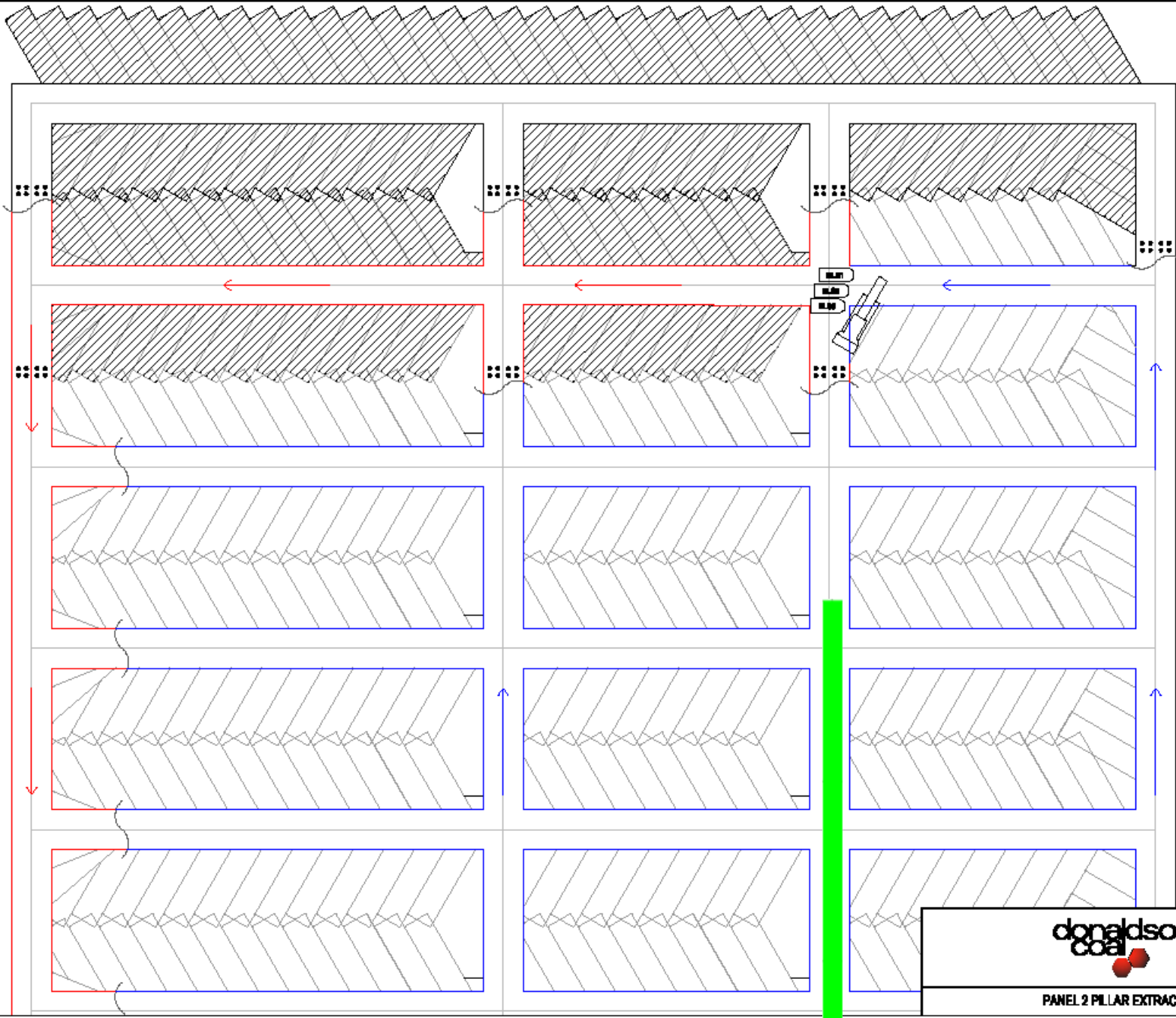




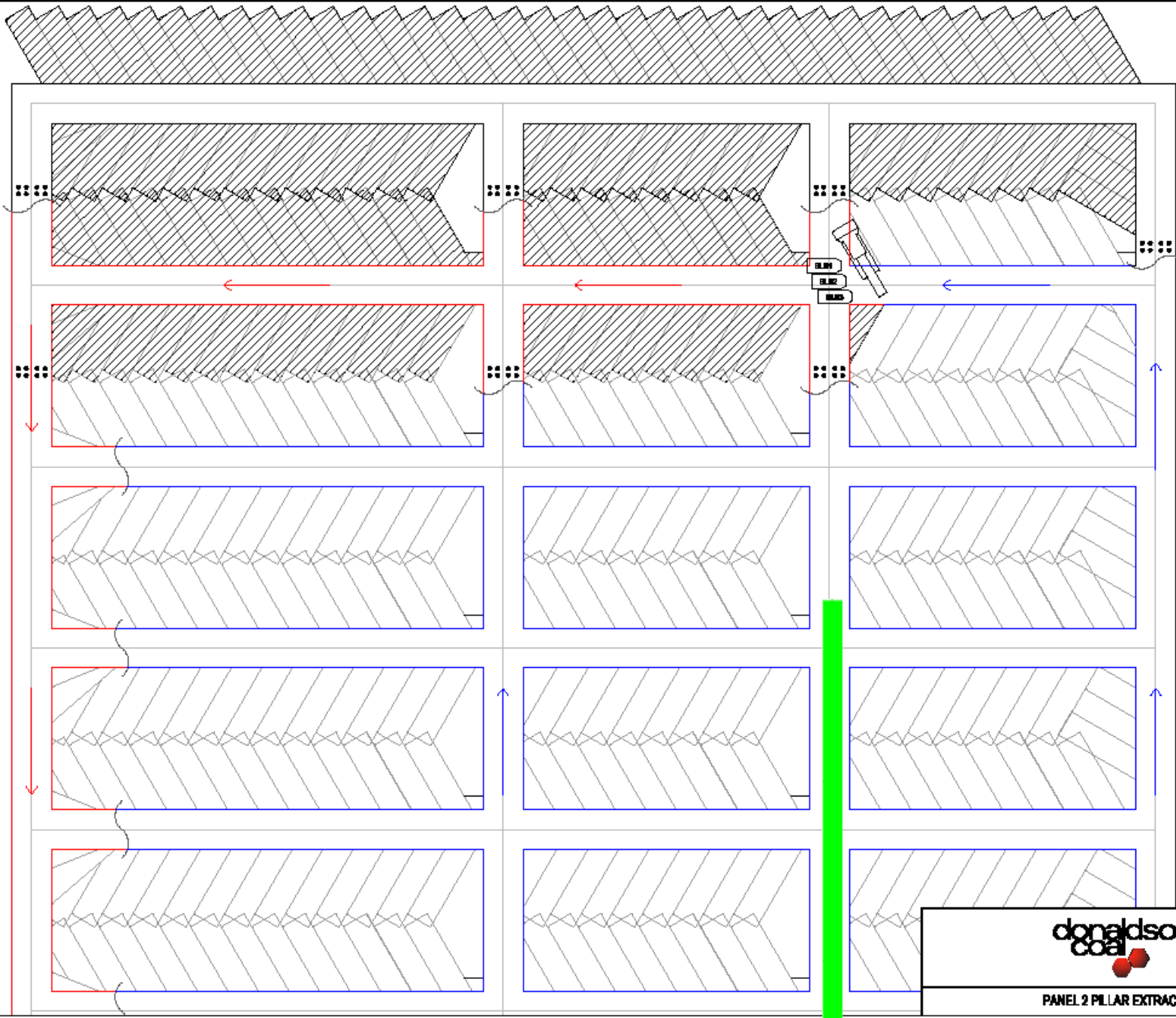
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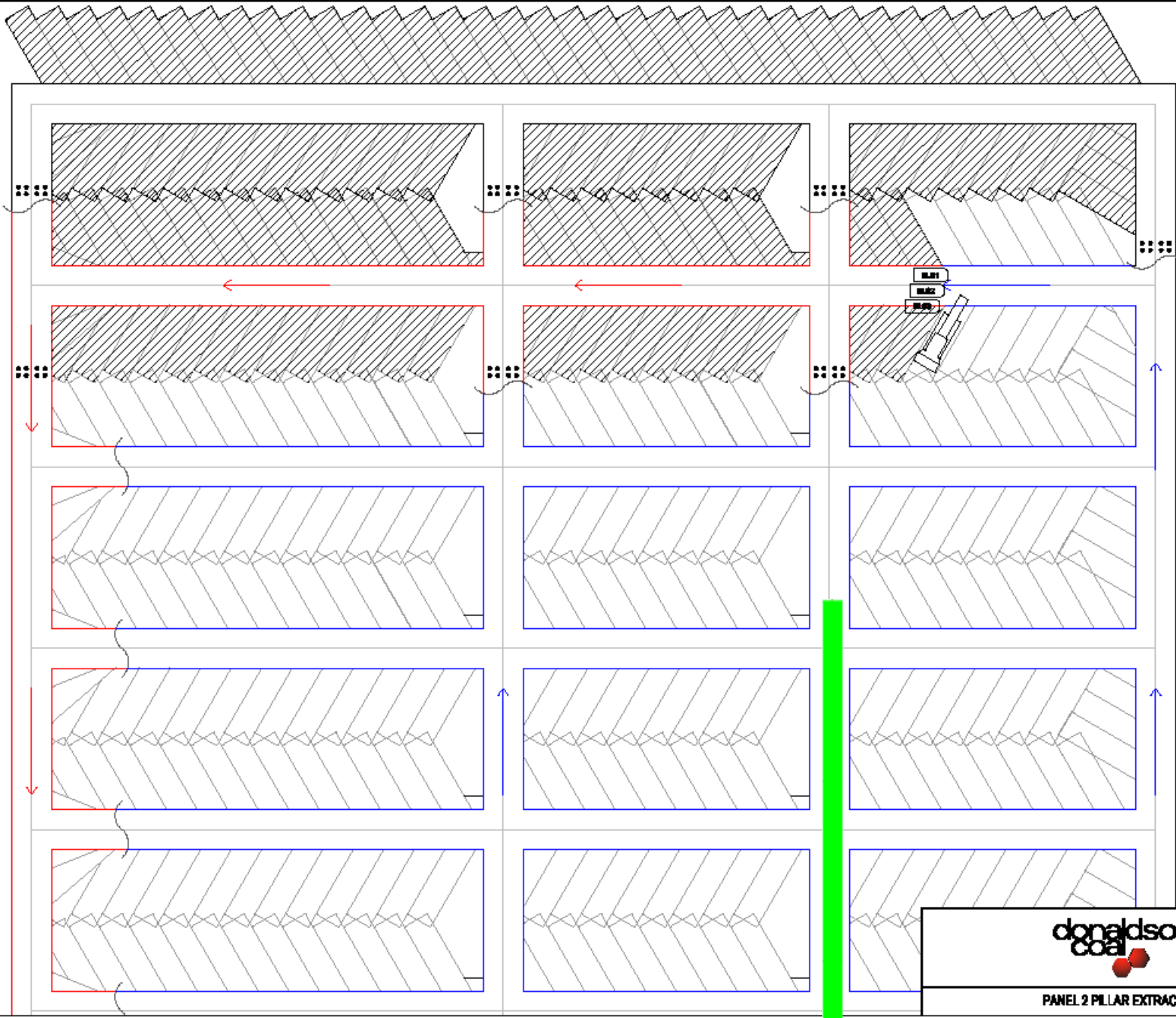
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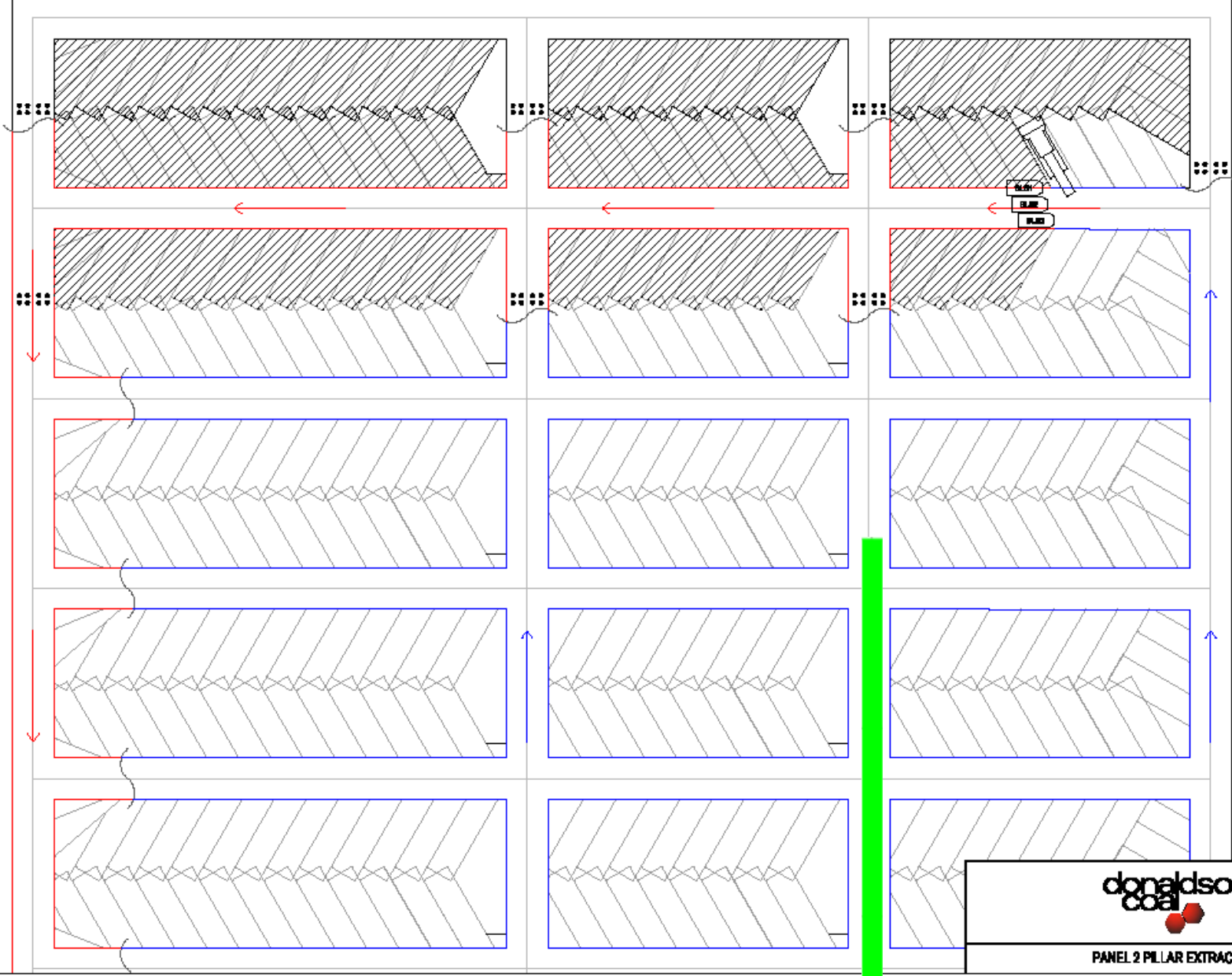
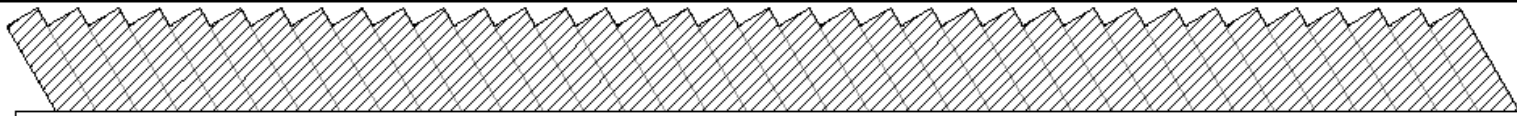
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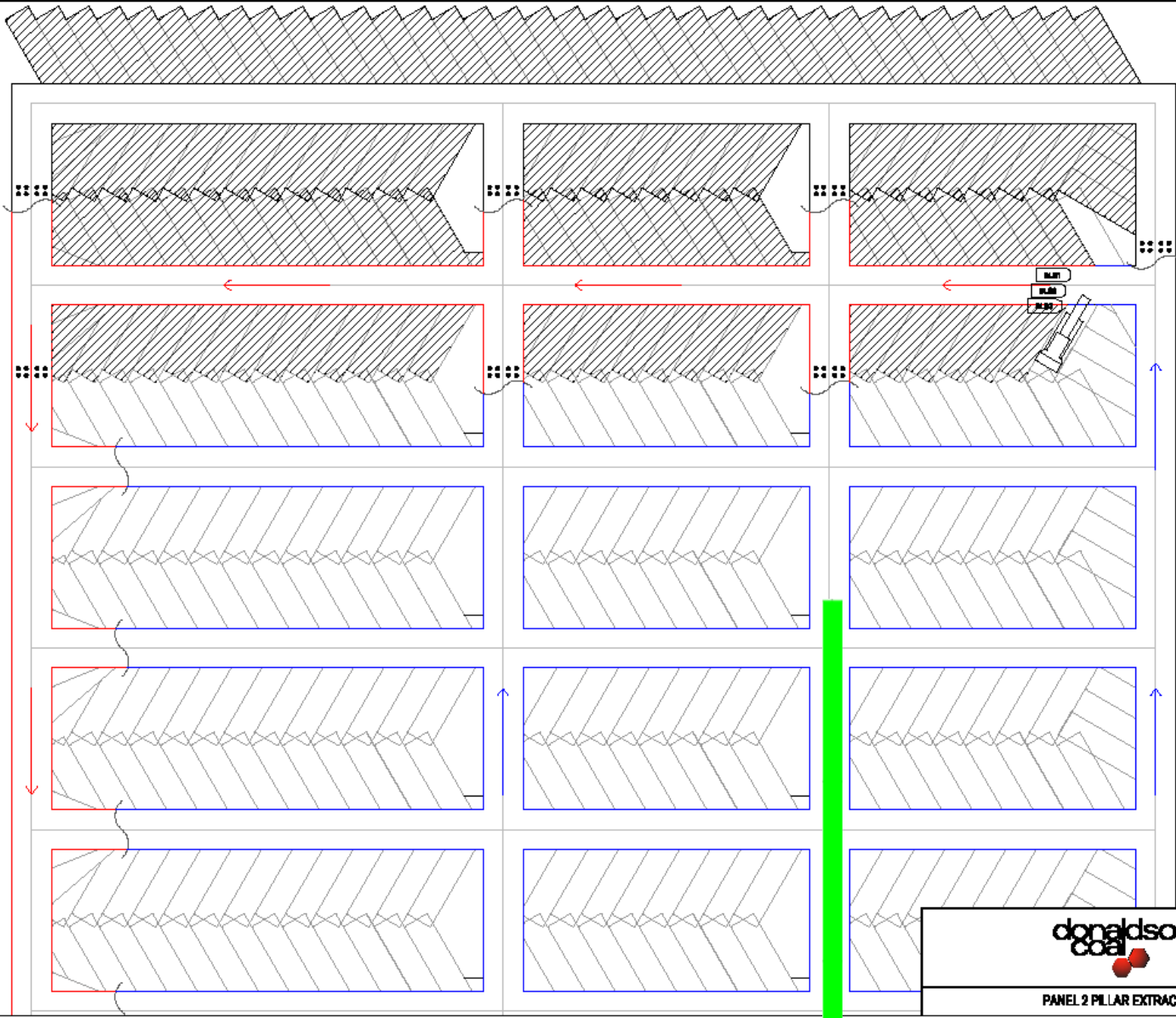


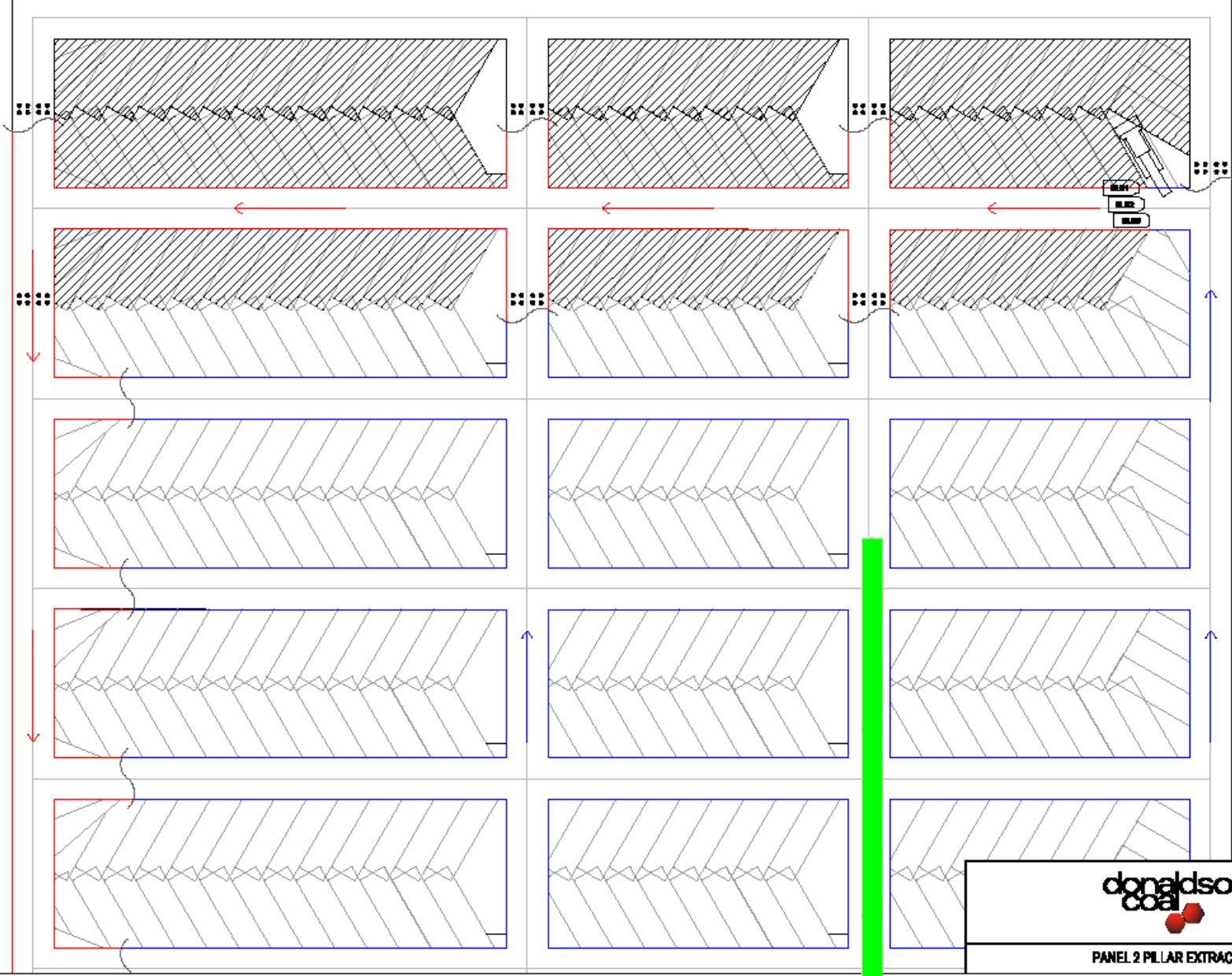
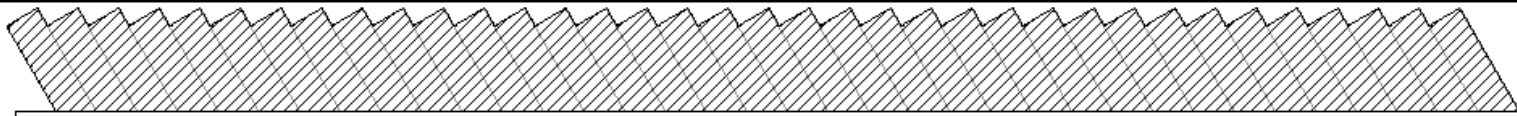
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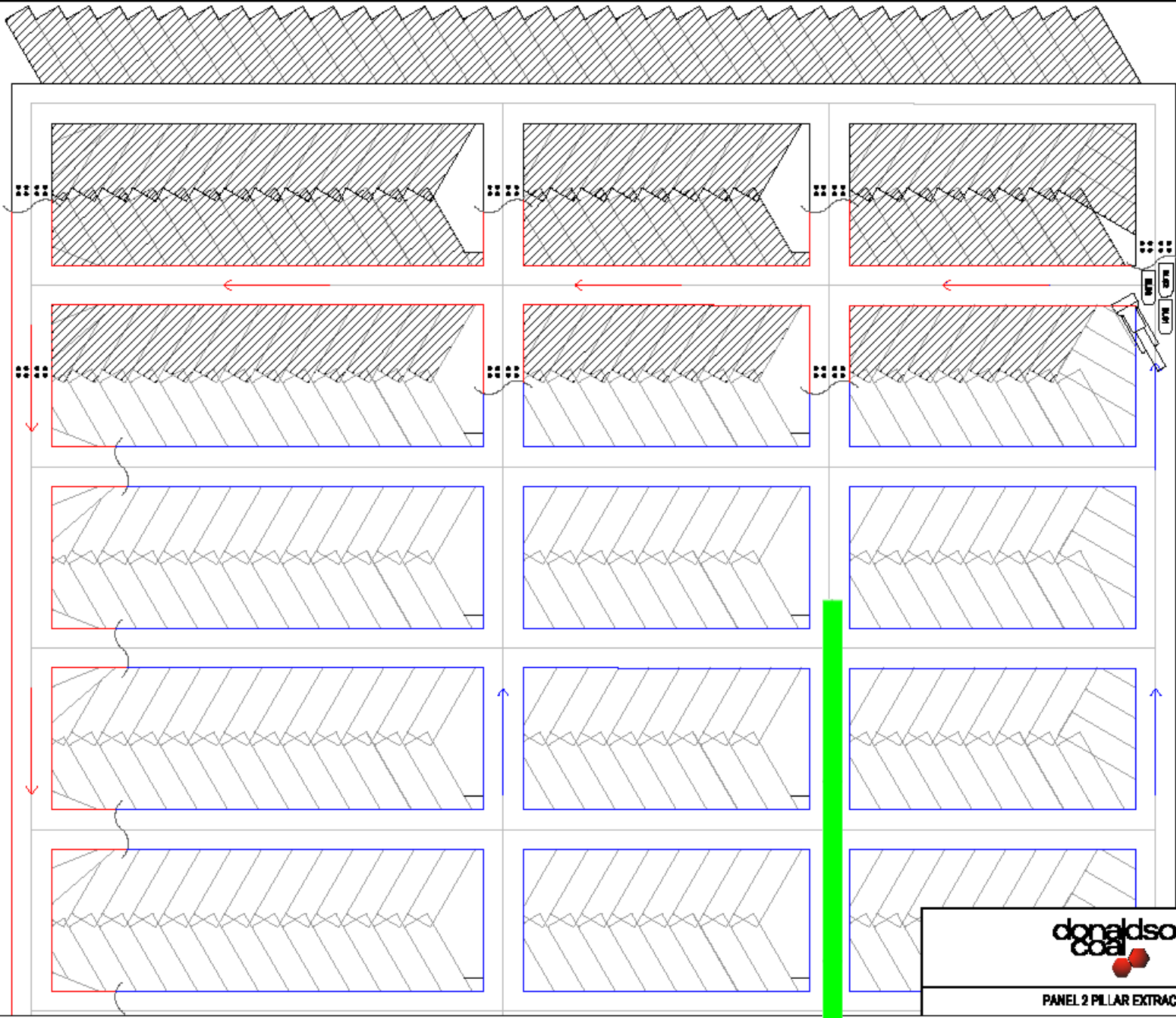
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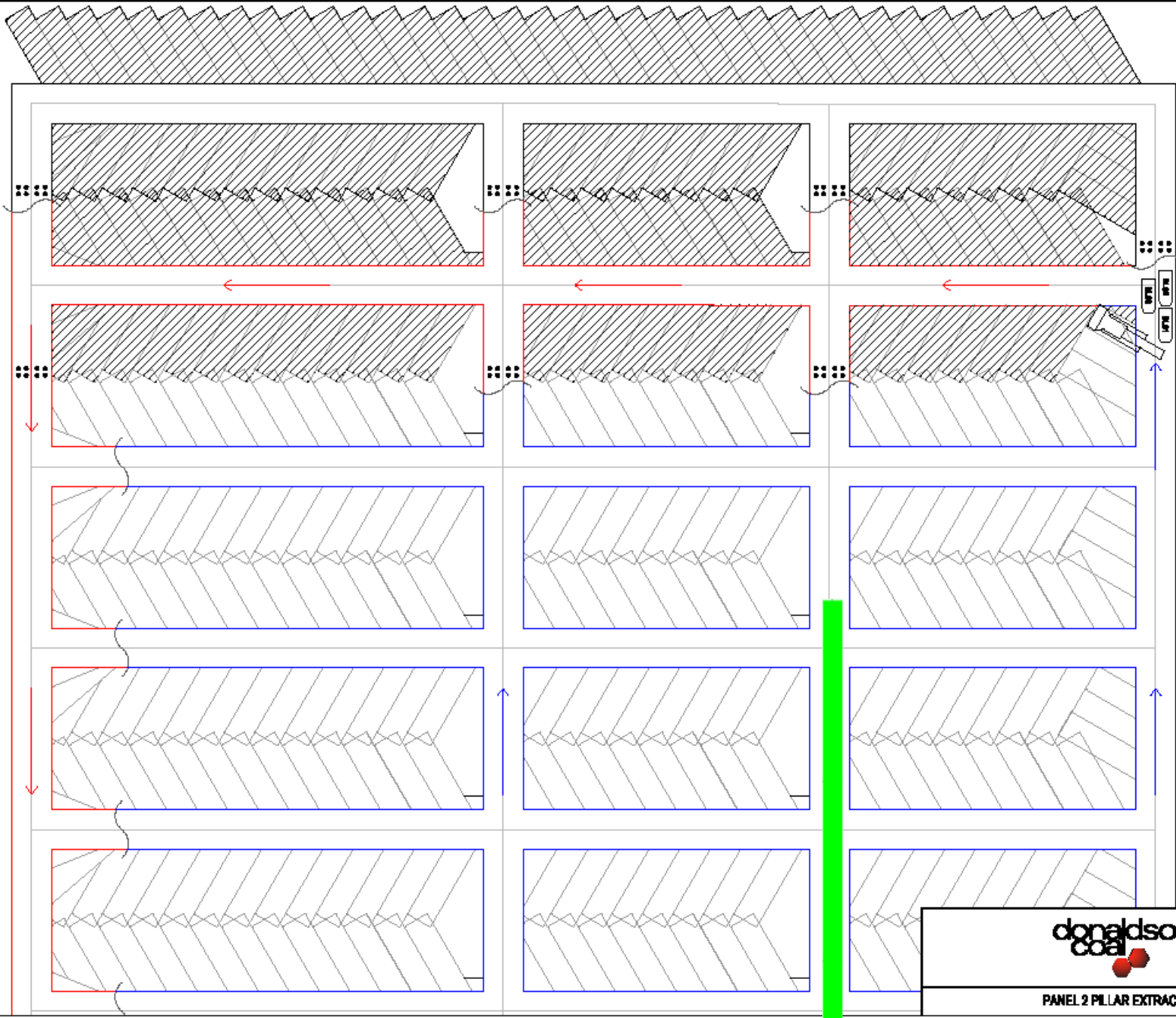


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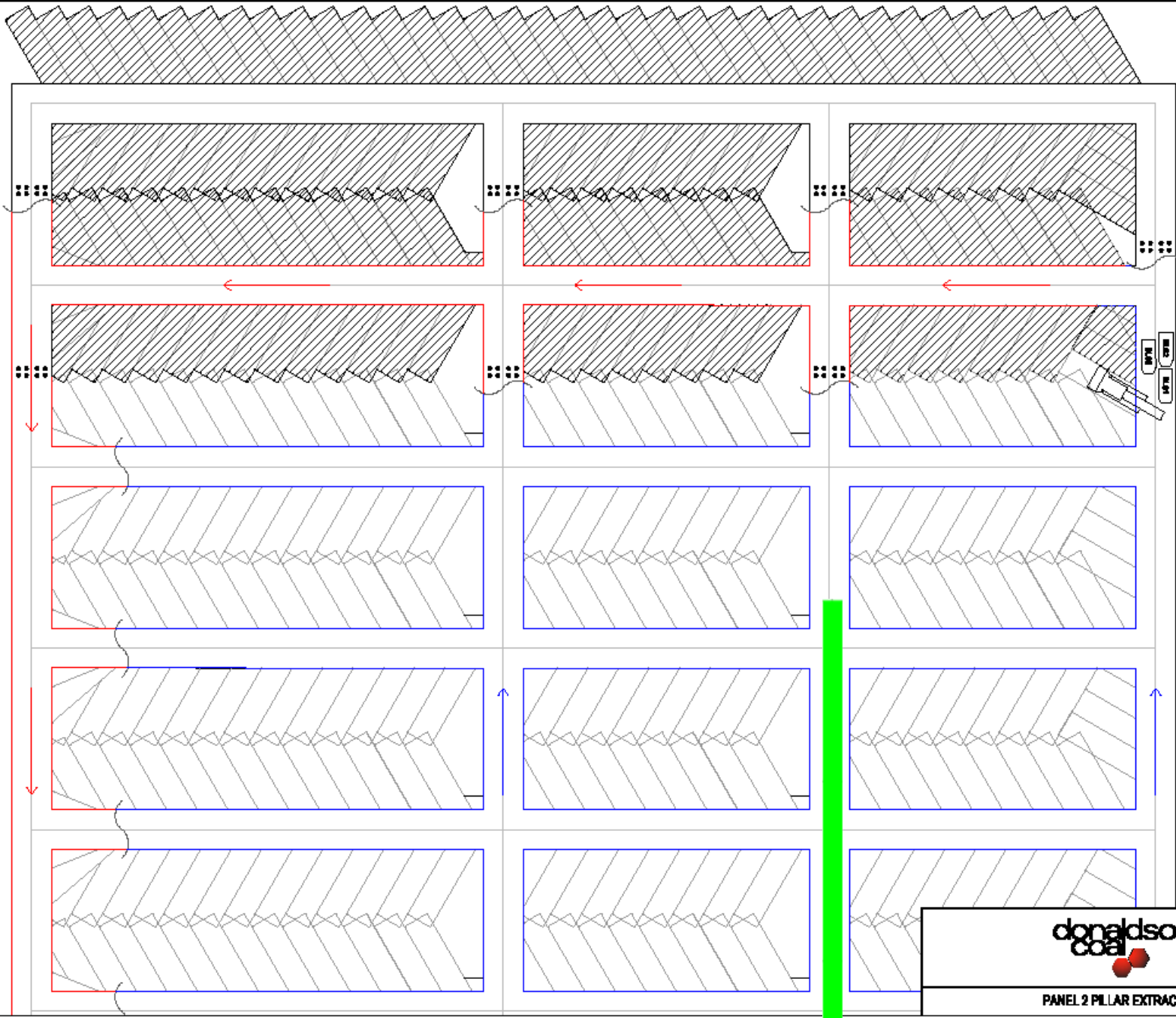


donaldson
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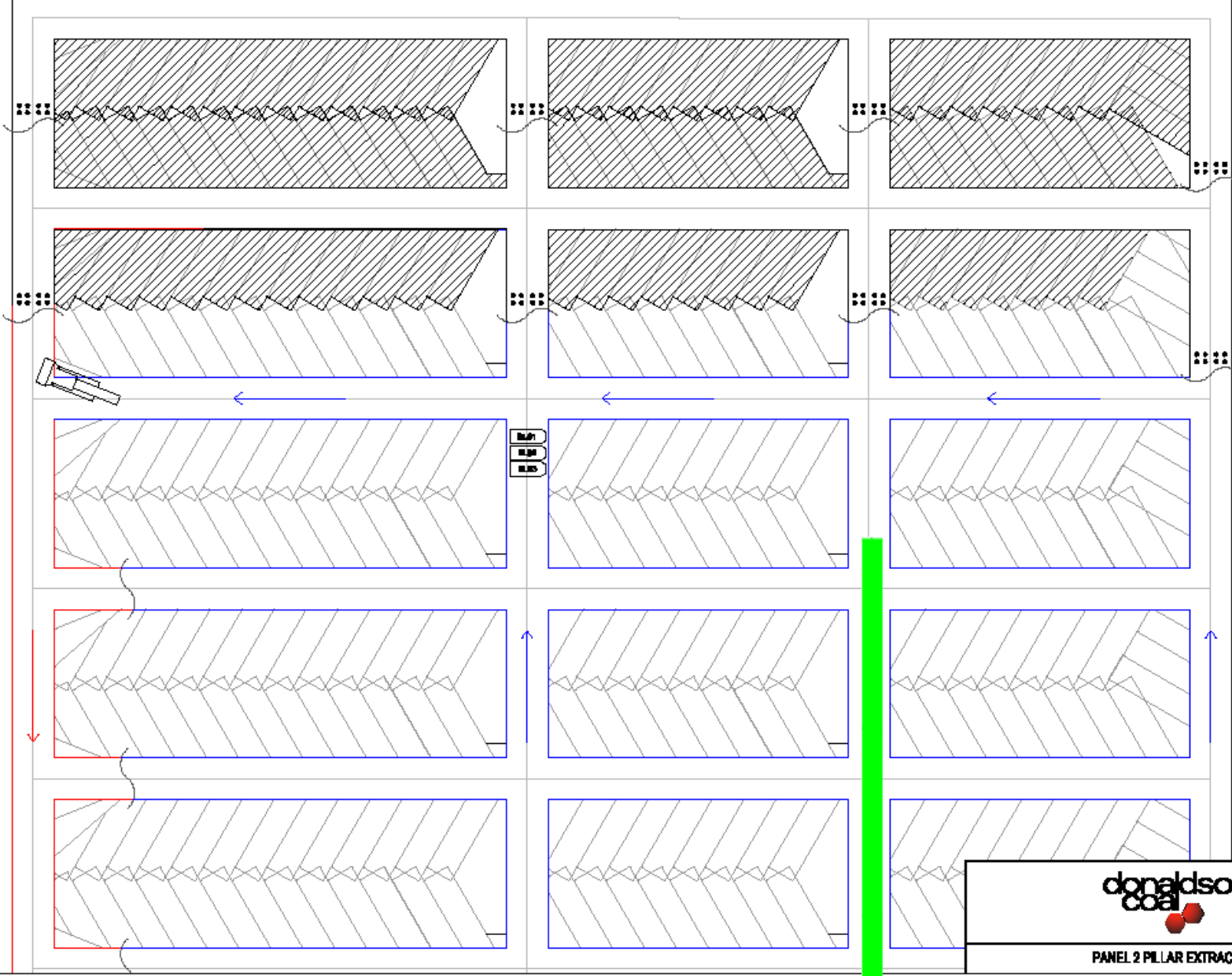
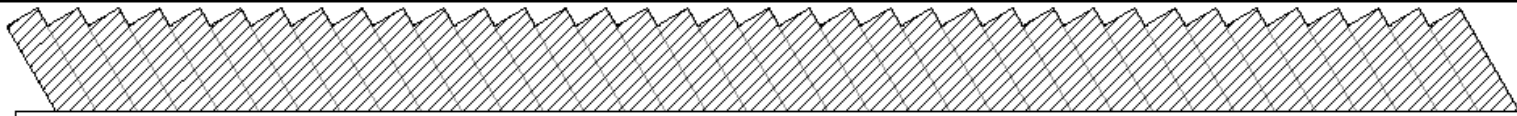
PANEL 2 PILLAR EXTRACTION



PANEL 2 PILLAR EXTRACTION



PANEL 2 PILLAR EXTRACTION



PANEL 2 PILLAR EXTRACTION

Surface Features

Abel Mine Lease- Full ML 1618 Area

- Pambalong Nature Reserve
- Black Hill cemetery
- Cliff Lines
- Private property and residences (100+)
- Numerous dams (approx 175)
- Black Hill school
- Church and cemetery
- Viney, Blue Gum, Long Gully, Buttai Creeks
- Boral Asphalt Plant (Black Hill Depot)
- Catholic Diocese Land
- C&A land (Black Hill Land Pty Ltd)
- Transgrid 330kV
- EA 132kV power line
- Rural 11kV power lines
- Aboriginal Artefacts
- Telstra/Optus Fibre optic cables
- Telstra copper comms cables
- Hunter water pipeline
- Agility gas pipeline
- Public Roads
- State survey marks
- Overlying mine workings
- Disused Richmond Vale railway line
- Black Hill & Stockrington Quarries

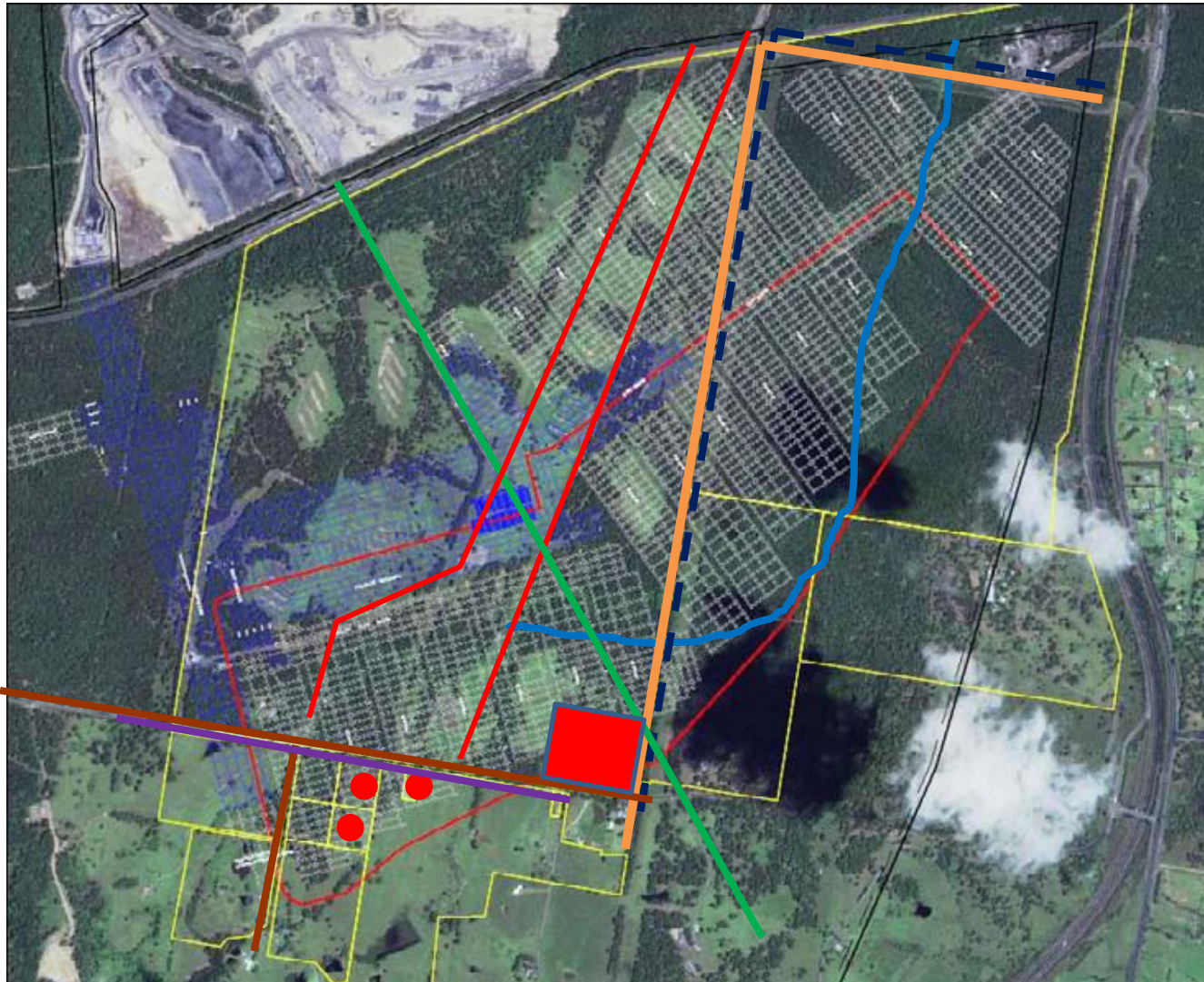
Abel Mine Lease- Area 1

-
-
-
-
-
-
-
- Viney Creek
- Boral Asphalt Plant (Black Hill Depot)
- Catholic Diocese Land
- C&A land (Black Hill Land Pty Ltd)
- Transgrid 330kV
- EA 132kV power line
- Rural 11kV/415V power lines
-
- Optus Fibre optic cables
-
- Hunter water pipeline
-
-
-
-
-
-
-
-

Abel Mine Lease- Area 2

-
-
-
- Private property (13) / Principal residences (4)
- 2 x dams
-
- Viney Creek
-
- Catholic Diocese Land
- C&A land (Black Hill Land Pty Ltd)
- Transgrid 330kV
- EA 132kV power line
- Rural 11kV/415V power lines
-
- Optus Fibre optic cables
- Telstra copper comms cables
- Hunter water pipeline
-
- Public Roads Black Hill Road, Taylors Road
- State survey marks
-
-
-
-

SMP Area 2 – Key surface features



Private Properties 

Viney Creek 

Optus Fibre Optic cable 

Transgrid 330kV Power Line 

EA 132kV/11kV Power Lines 

Hunter Water buried pipeline 

Principles Residences 

Black Hill Road and Taylors Road 

Telstra cables 

- Surface inspections and surveys conducted to identify features as part of EA Process including
 - Flora/Fauna
 - Groundwater
 - Surface Water
 - Aboriginal & European heritage
- Monitoring programs as required by Project and SMP Approvals
- This information is reviewed and updated as part of each SMP Area submission
- Consultation with Landowners and Stakeholders

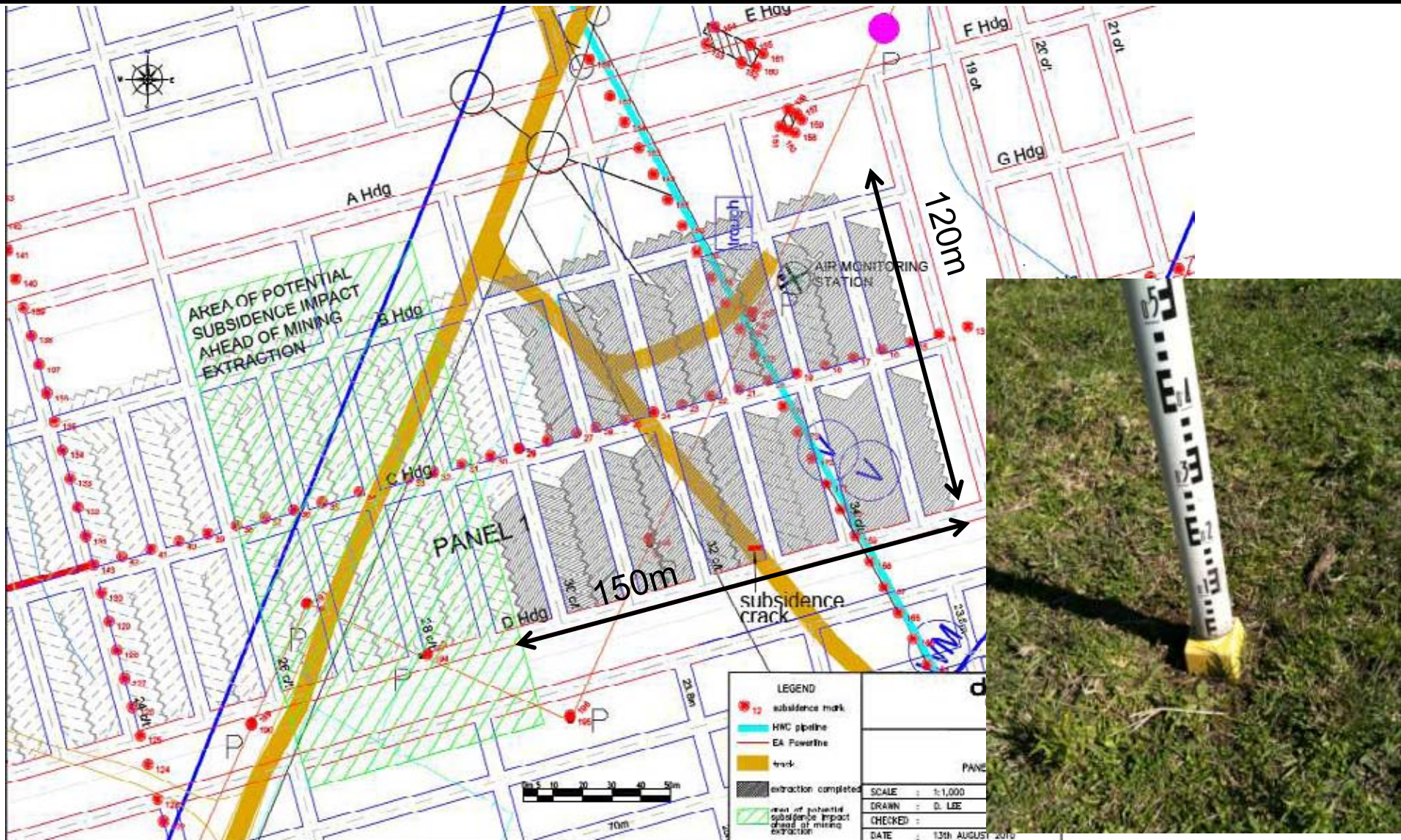
Area 1 Approval and Conditions, Management Plans, Monitoring Programs

- ◆ Approval for Abel Area 1 SMP was obtained on 26 May 2010;
- ◆ Minor variations have been approved to the layout of Panels 1 and 2 due to geological structures encountered
- ◆ Various Management Plans / Programs have been implemented,
 - ◆ Subsidence Monitoring Program;
 - ◆ Environmental Management Plan;
 - ◆ Public Safety Management Plan;
 - ◆ Infrastructure Management Plans for Hunter Water Corporation and Energy Australia;
 - ◆ Draft Transgrid Management Plan; and
 - ◆ Draft Property Management Plans for both the Catholic Diocese and Black Hill Land P/L land.

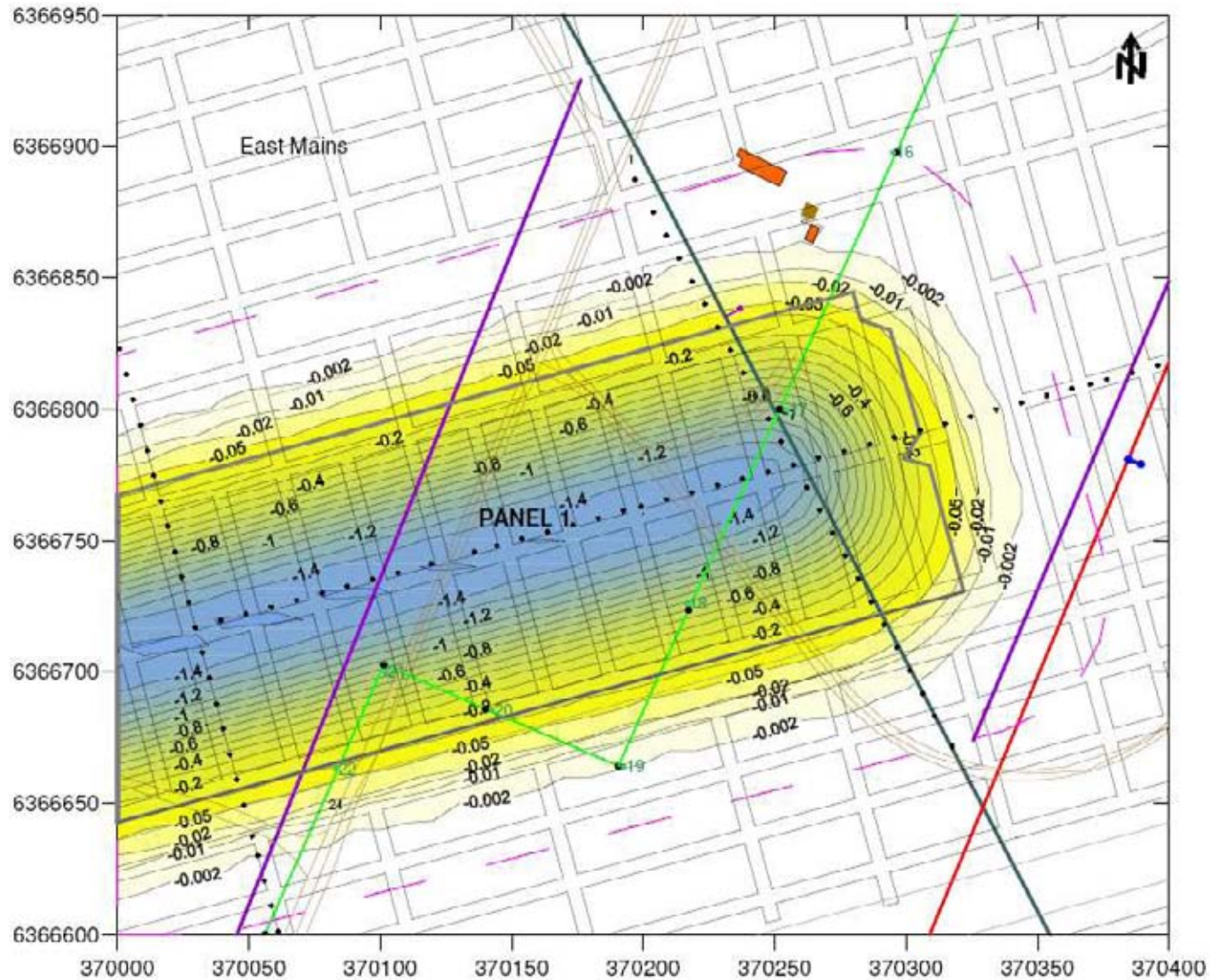
Panel 1 progress to date

- ◆ Commenced 12 July 2010
- ◆ Has retreated 150m
- ◆ Panel 2 to commence next week

Panel 1 Mining Notification to Landholder



Panel 1 subsidence predictions



Subsidence Results Panel 1, Impacts and Remediation

Monitoring

Panel	Monitoring Item	SMP Prediction For 156m wide Panel	Actual Survey Measurements to date For 120m wide Panel
Panel 1	Subsidence	1.58 to 1.76m	1.10m (incomplete)
	Strain	10-15mm/m	10-11mm/m
	Tilt	38-53mm/m	47mm/m

Some further minor subsidence increase is anticipated as extraction of the Panel progresses

Impacts

Panel	Impacts	SMP Prediction For 156m wide Panel	Actual Impacts to date For 120m wide Panel
Panel 1	Surface cracking	100-150mm	180-200mm across road only (remediated)
	Water Line (HWC)	Potential to be assessed by HWC	Minor crack on fitting fed from the HWC 200mm line (remediated in accordance with HWC MP)
	Power Line (EA)	Potential for clearance loss was identified	Clearance loss on EA 415V line was observed and EA notified (remediated in accordance with EAMP)

Subsidence cracking on access track



Subsidence cracking on access track



415V Conductor Clearance



415V conductor lifting



11kV Power pole repairs



Cracking on fitting HWC Water Line

- No Damage to 200mm Line, however leak resulting from cracking of disused copper connection to old 375mm Water Line



Subsidence Prediction Methodology

Several industry established empirical models were used to predict the maximum subsidence impact parameters and profiles for the given mining layouts. The predictions involved the following work:

- (i) The development of a geotechnical model for the study area.
- (ii) Review of Stage 1 results to date.
- (iii) Prediction of maximum panel and barrier pillar subsidence and profiles using the DgS Modified **ACARP, 2003** subsidence model.
- (iv) Subsidence, tilt, strain, horizontal displacement contours using **SDPS**[®] 3-D influence function software.
- (v) Post-mining topography, potential cracking width, ponding location and surface gradient change contours were estimated using **Surfer8**[®] contouring software.
- (vi) Estimation of sub-surface fracturing heights above the panels using empirically based models in **ACARP, 2003, Forster, 1995** and **Mark, 2007**.

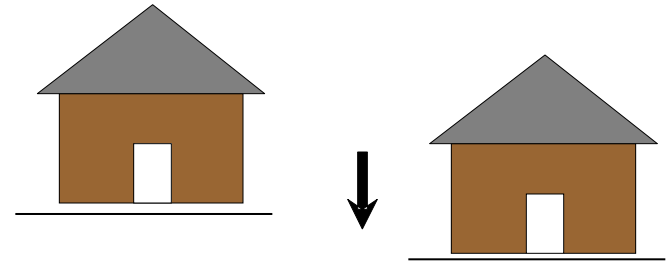
Subsidence Prediction Outcomes

For the 125 m to 160 m wide panels with mining heights of 2.4 to 3.7 m and cover depths of 95m to 150m, the predicted key subsidence impact parameters include:

- Final maximum panel subsidence between 42% and 51% of the mining height e.g. 1.0m to 1.90m.
- Final barrier pillar subsidence from 0.04 m to 0.21 m
- Maximum possible surface cracking widths of between 50 mm and 200 mm and tapering to depths of 5 to 10 m (likely to be mitigated by surface clays/weathered shales). Most cracks likely to be 'self healing' or may not develop at surface at all.
- No cracking or ponding expected along Viney Creek, due to buffer zone.
- Engineered solutions required for man-made features.

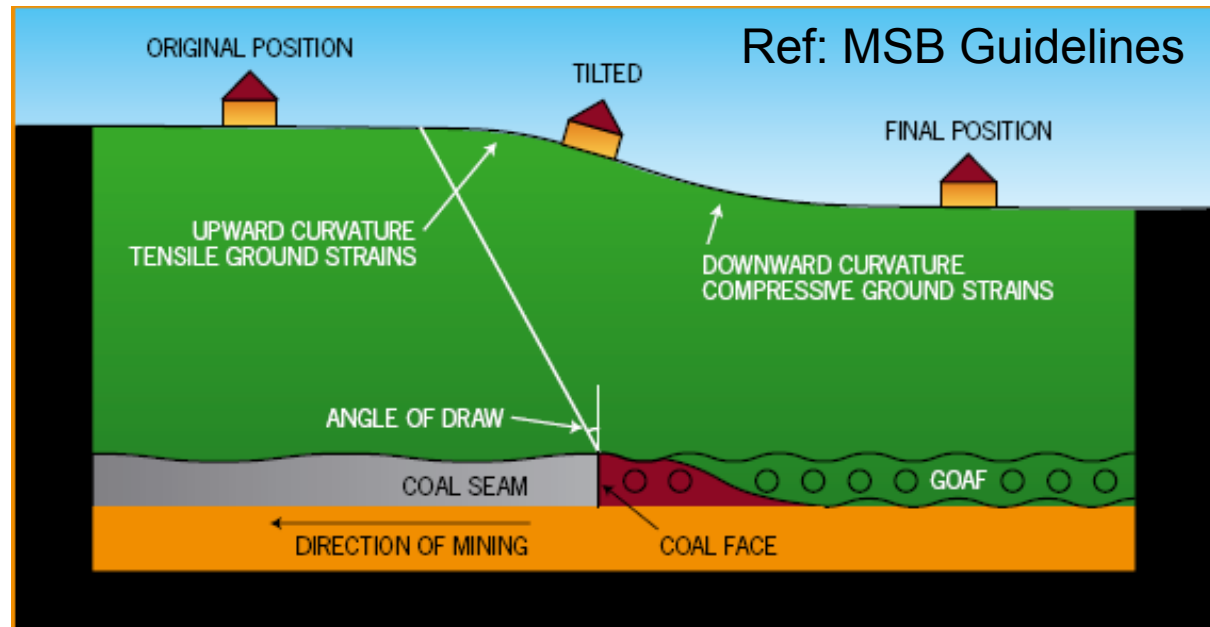
Subsidence Impact Parameters

- vertical subsidence (m)
rarely a direct concern, except
when adjacent to water bodies
or flat terrain with watercourses
(i.e. ponding)



Final maximum panel subsidence ranges from 1.0m to 1.9m for the given mining geometries.

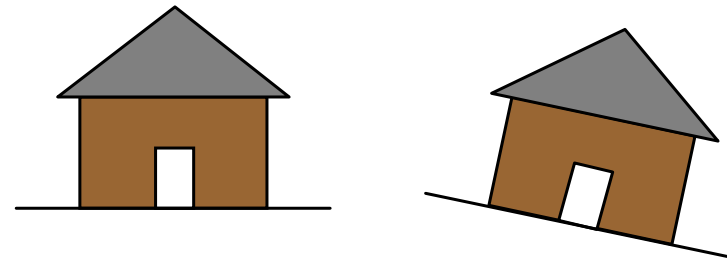
SCZs will limit subsidence to <20mm



Subsidence Impact Parameters

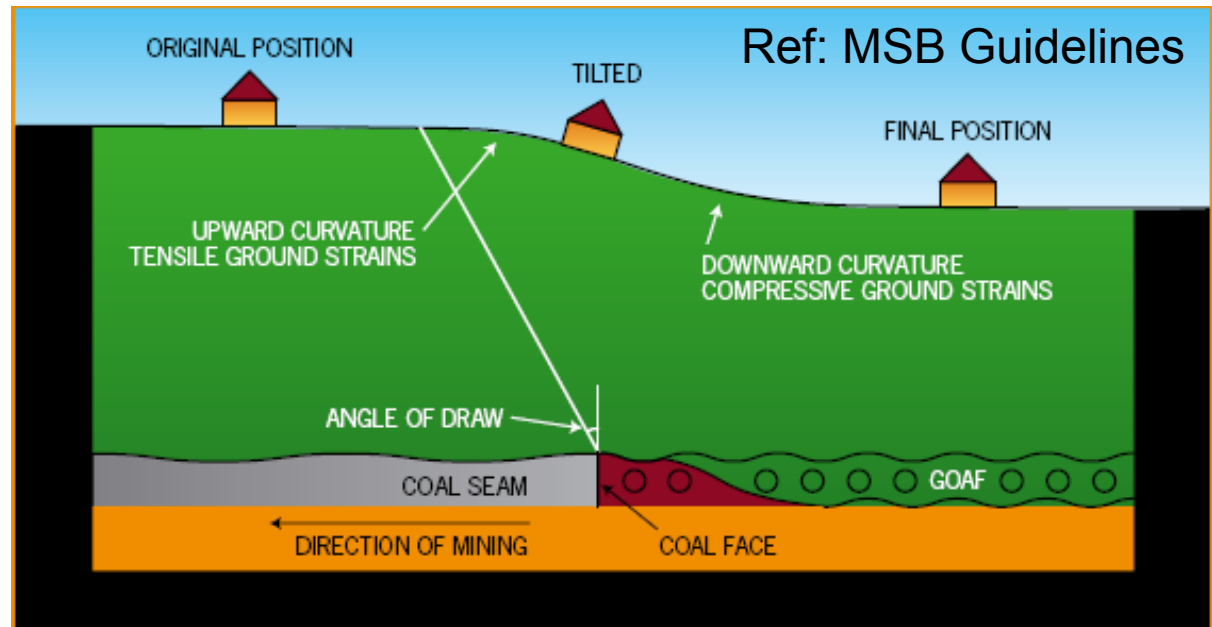
- Tilt (mm/m)
differential subsidence
does not commonly cause
structural damage

affects structure usage, drainage



Final maximum panel tilt ranges from 10 to 48 mm/m (30 mm/m typical).

Houses impacted by tilts > 7 mm/m.



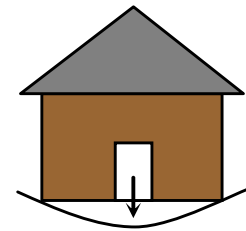
Subsidence Impact Parameters

- Curvature (bending)
differential tilt (1/km)
major damage driver

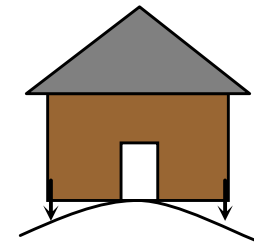
structures deformed and
can crack, shear or buckle

***Final maximum panel
hogging and sagging
curvature ranges from
0.5 to 1.9 1/km or
bending radii of 2 km
to 0.5 km.***

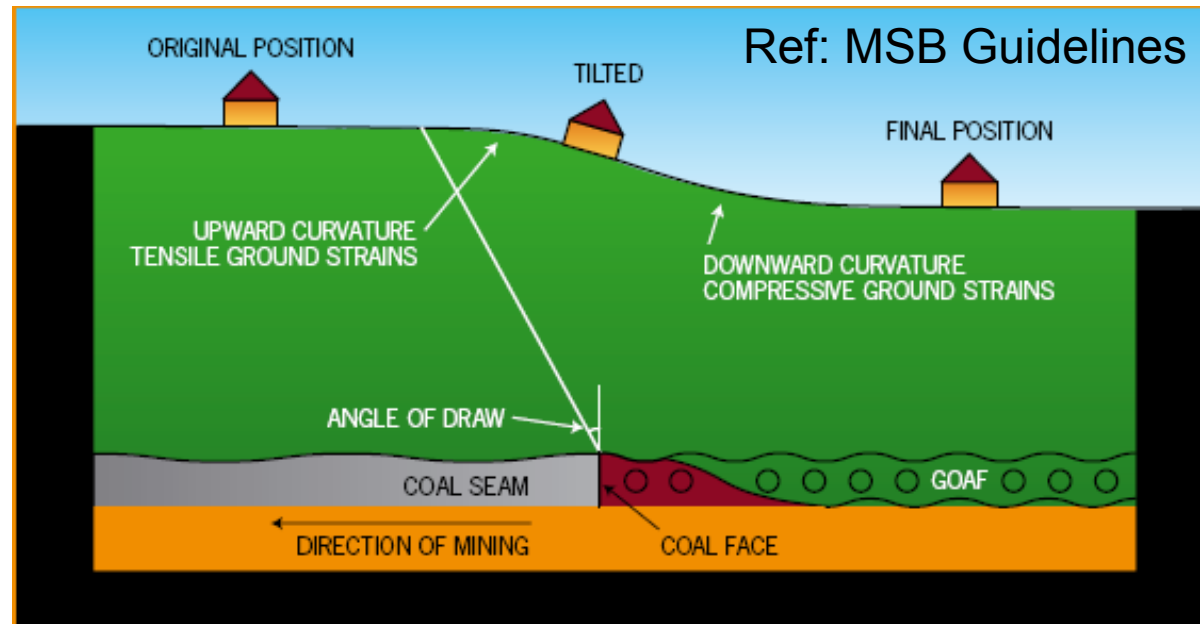
***Houses can crack
between 2 to 10 km
radii.***



sagging

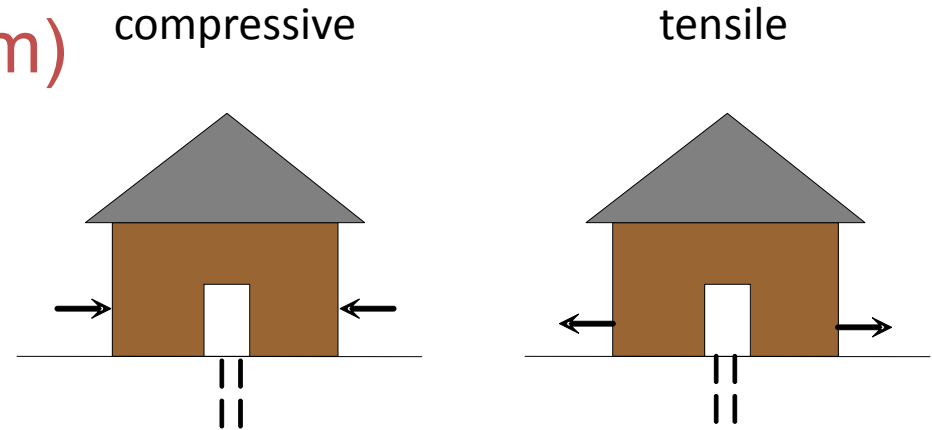


hogging



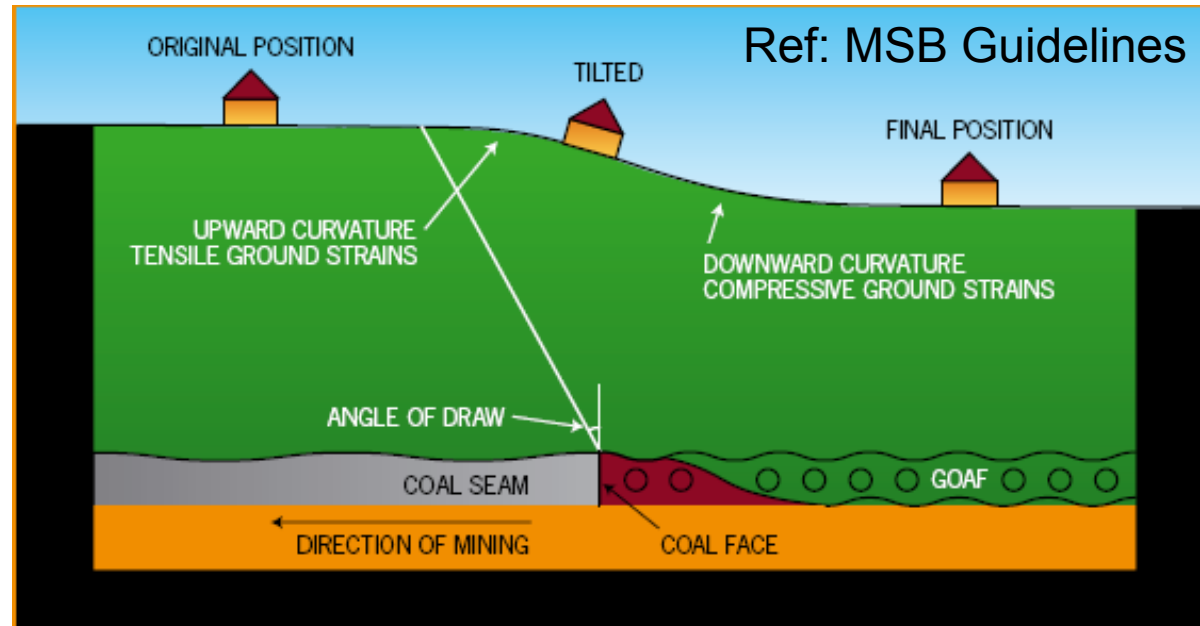
Subsidence Impact Parameters

- horizontal strain (mm/m)
tensile or compressive
associated with curvature
and has similar damage
outcomes

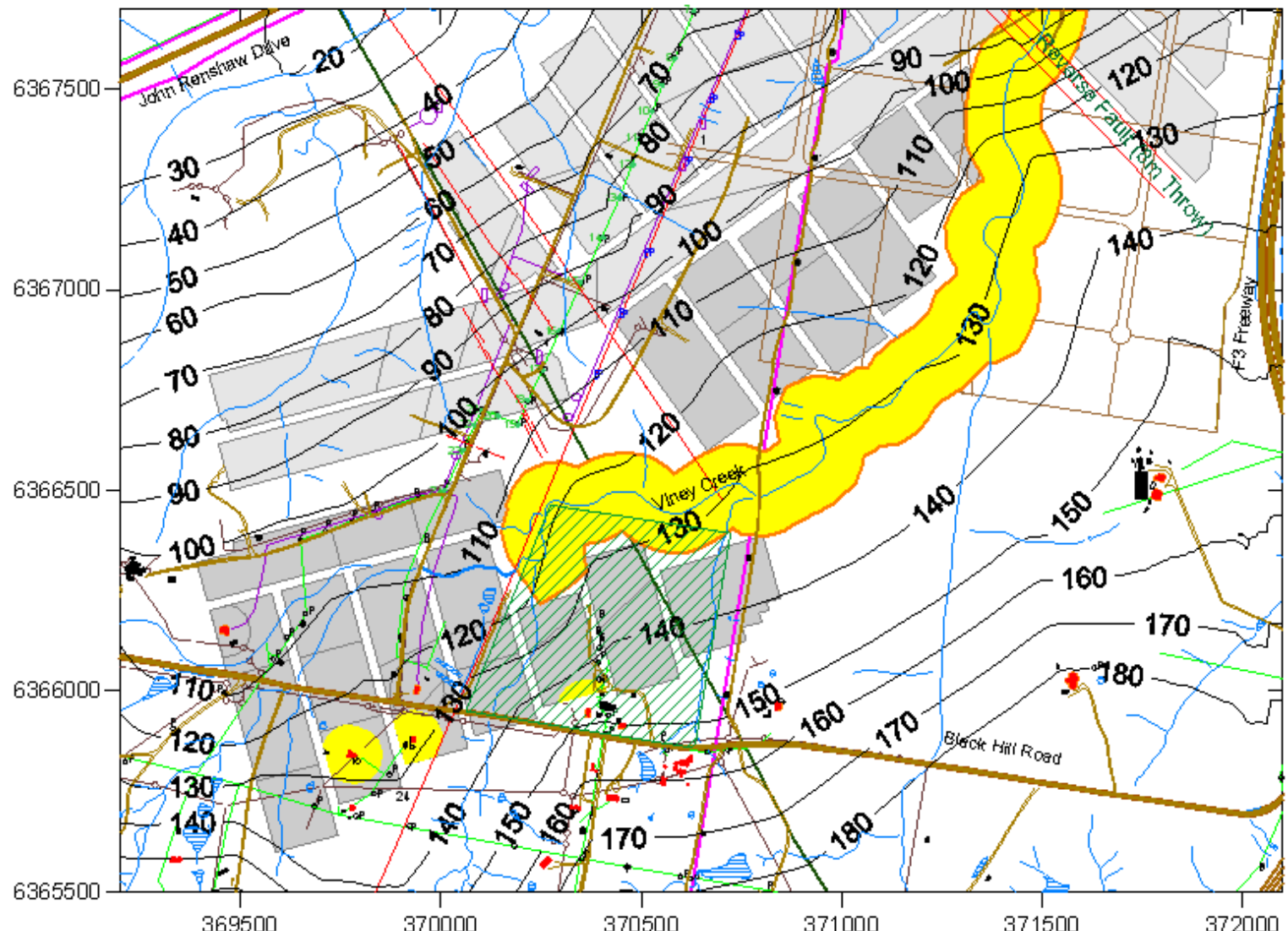


**Final maximum panel
tensile and
compressive strain
ranges from 5 to 20
mm/m (10 mm/m
typical) .**

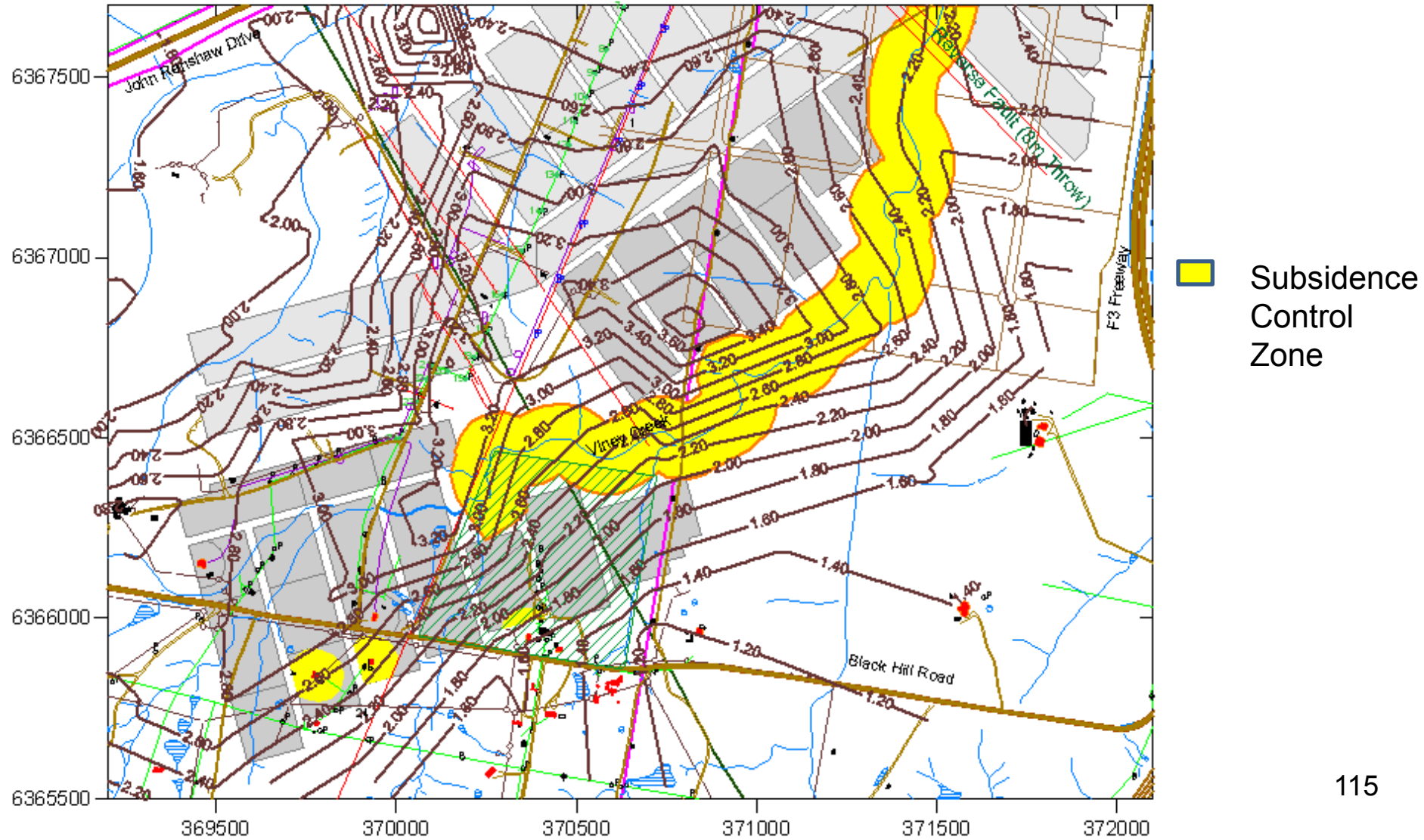
**Houses can crack > 3
mm/m**



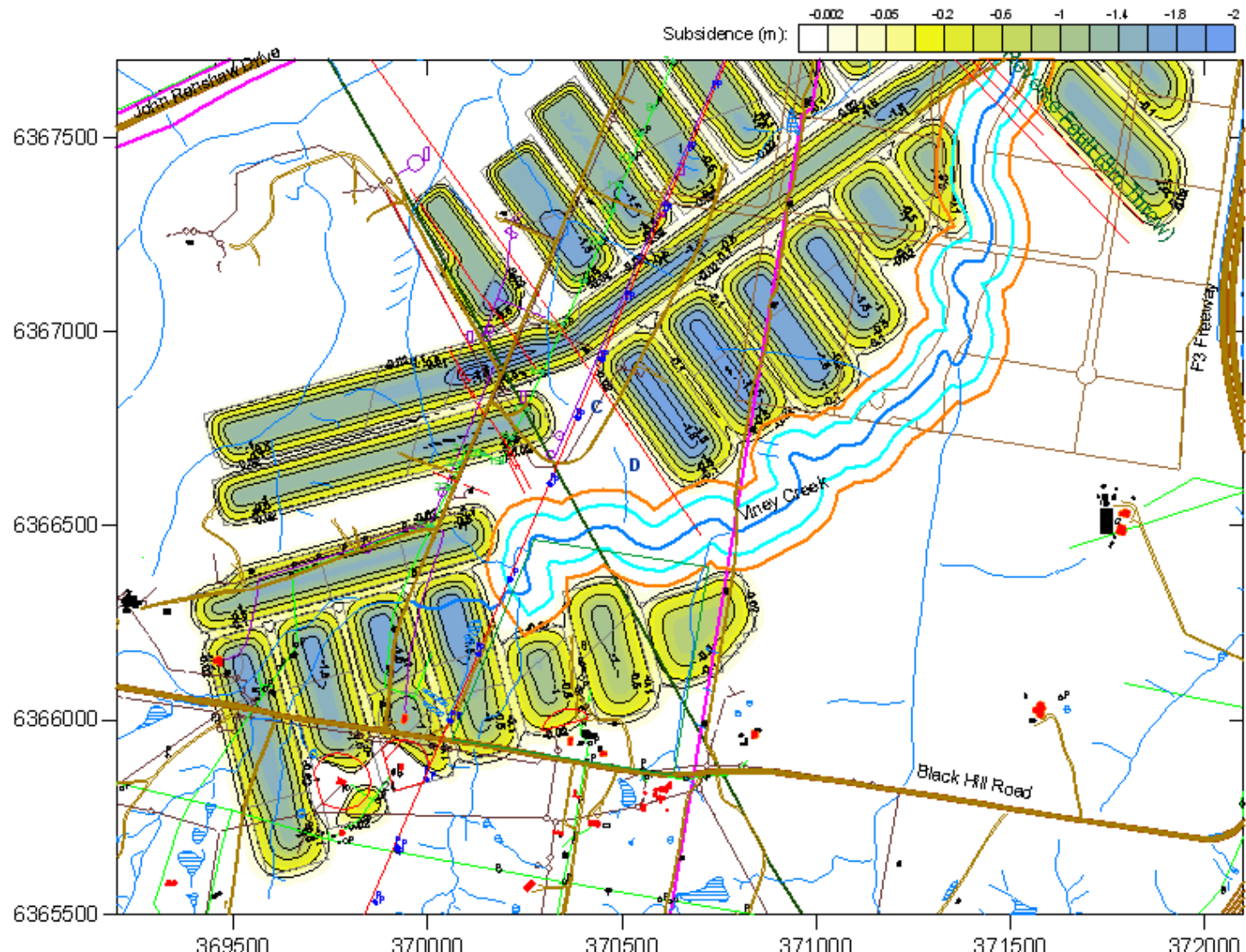
Prediction Input: Cover Depth



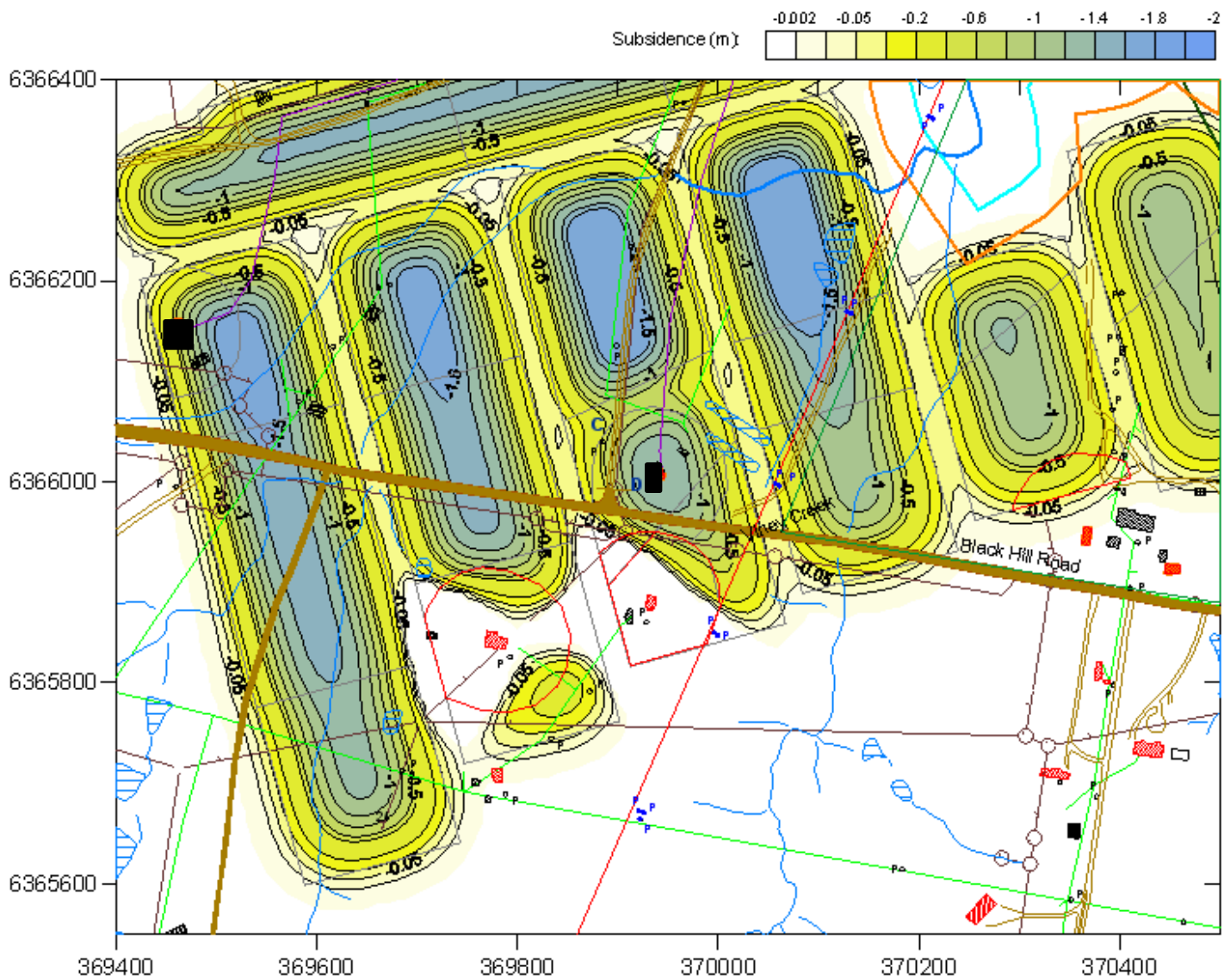
Prediction Input: Mining Height



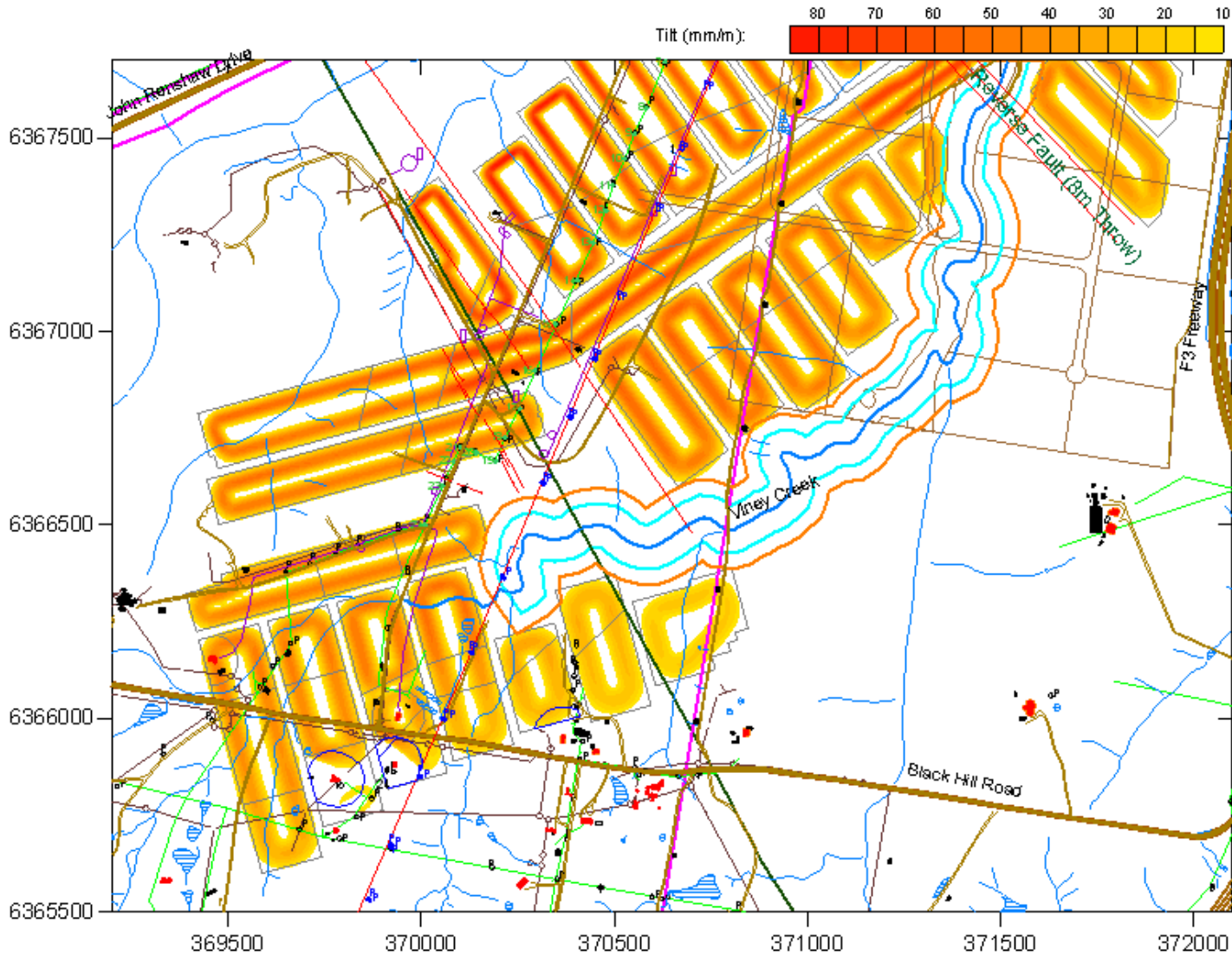
Prediction Outcomes: Subsidence




Predicted Subsidence at Principle Residences

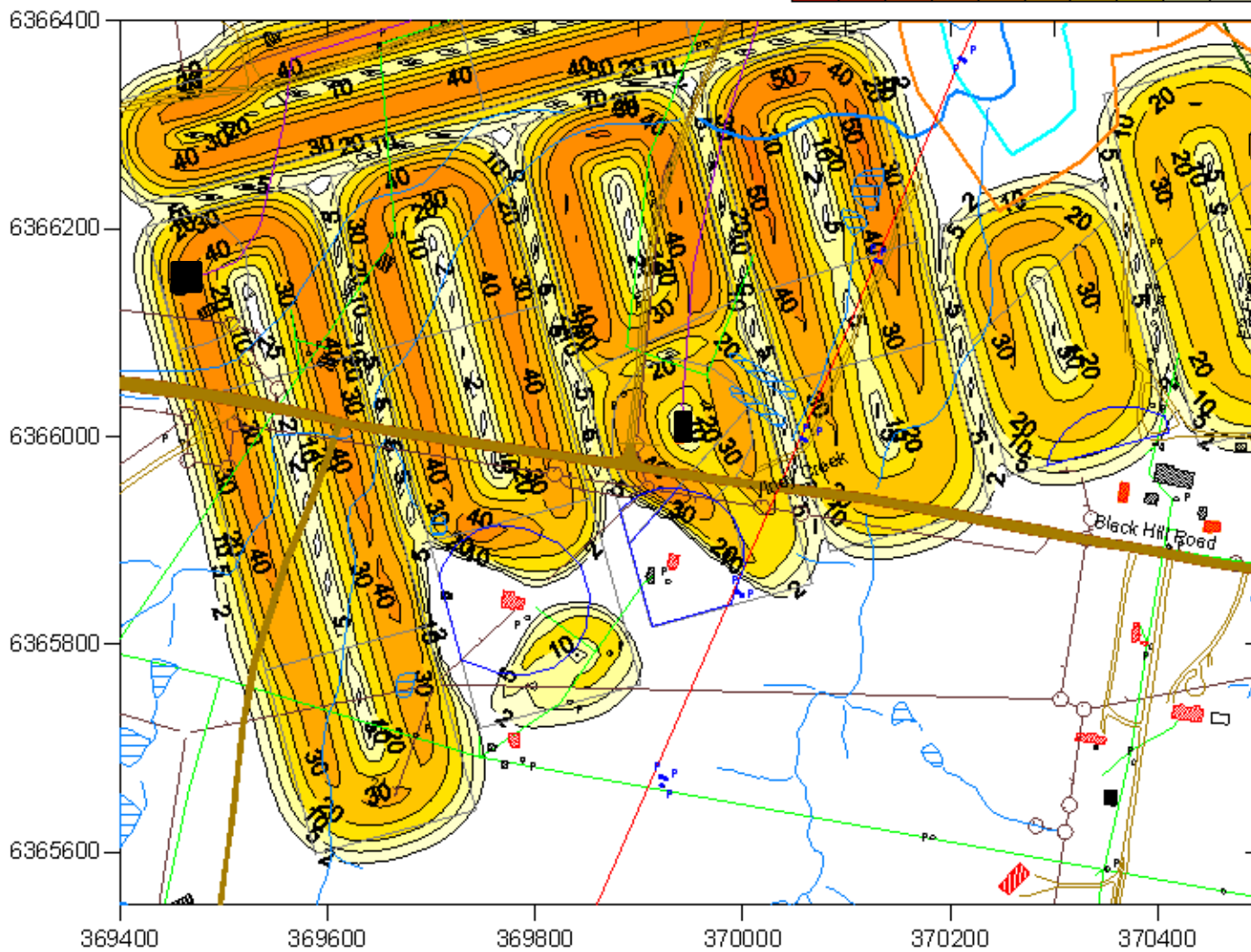
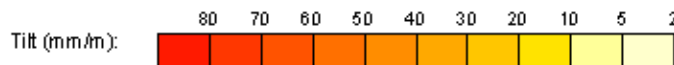


Prediction Outcomes: Tilt

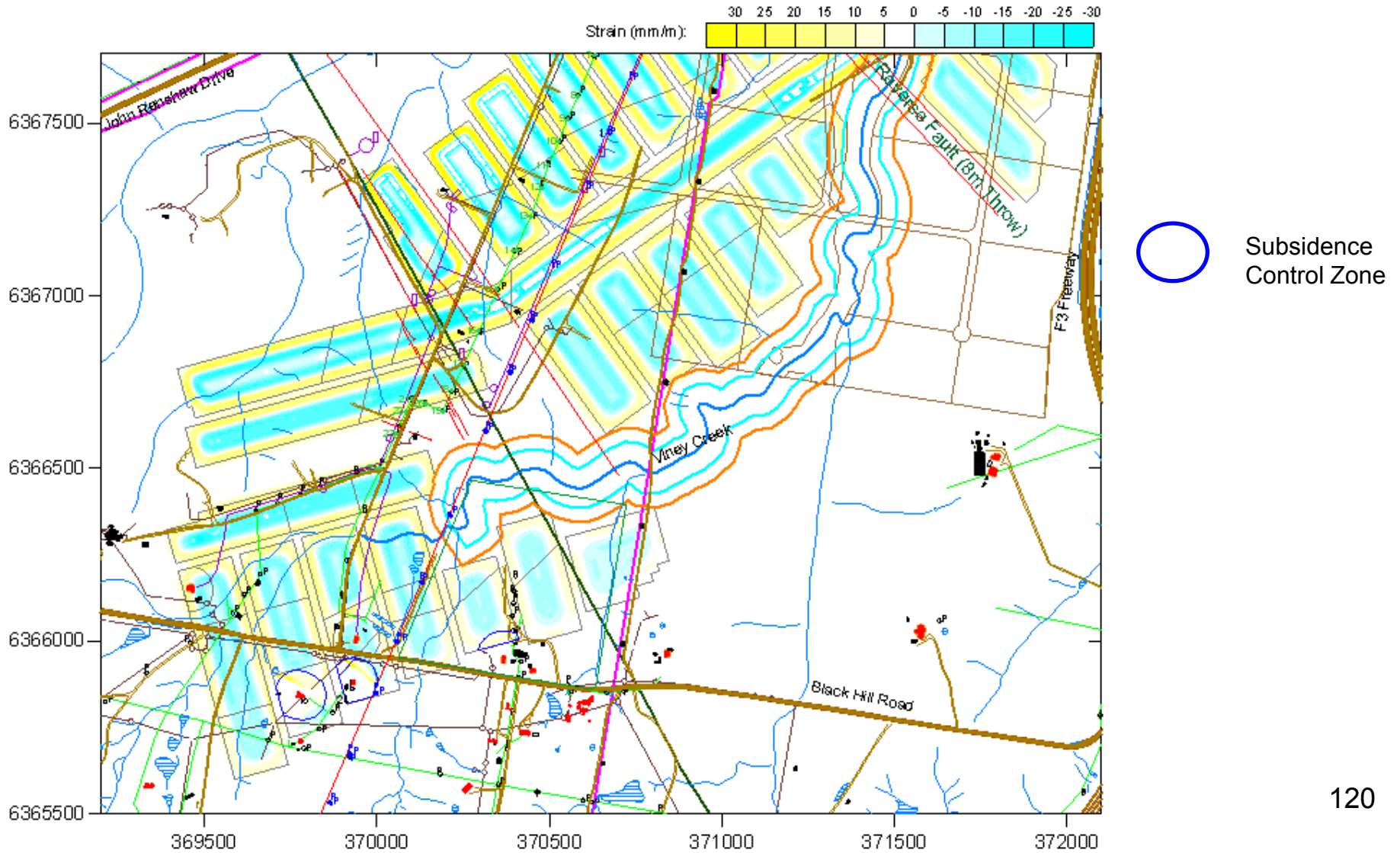


 Subsidence Control Zone

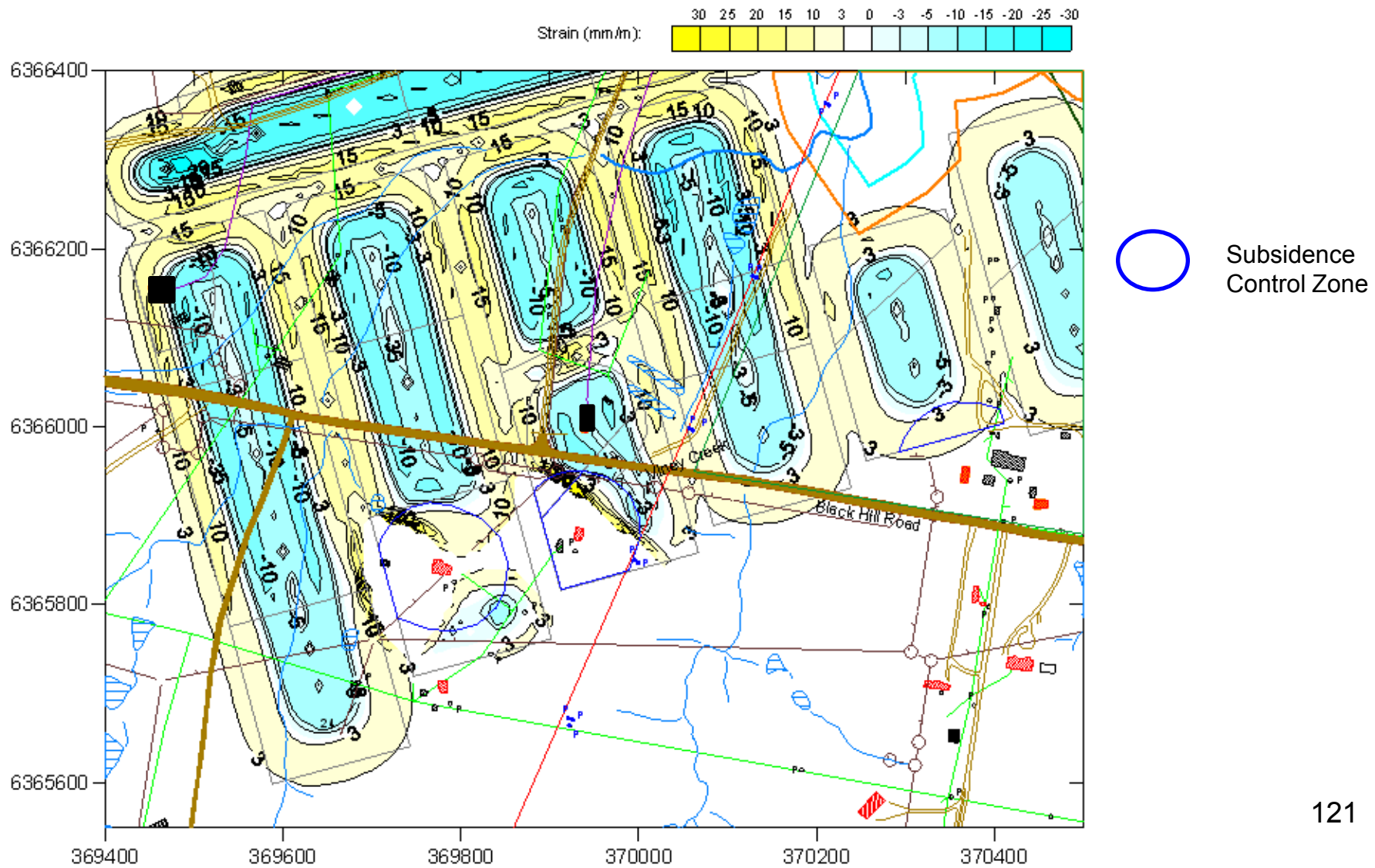
Predicted Tilt at Principle Residences



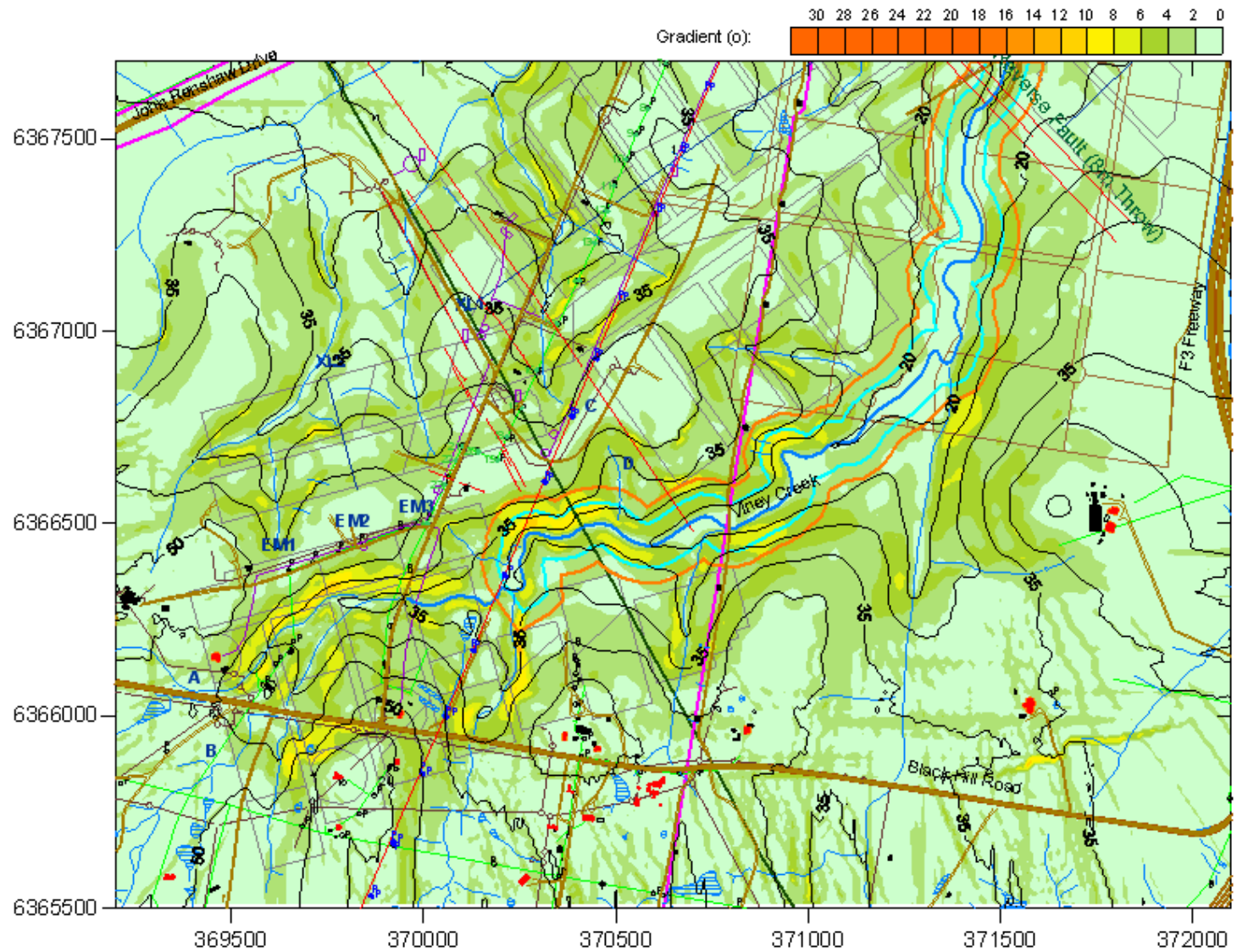
Prediction Outcomes: Strain



Predicted Strain at Principle Residences



Prediction Outcomes: Surface Gradients



Sub Surface Fracturing Assessment

- The **ACARP, 2003** model predicts that heights of continuous sub-surface fracturing for the proposed mining heights are > 10 m below the surface for cover depths > 100 m.

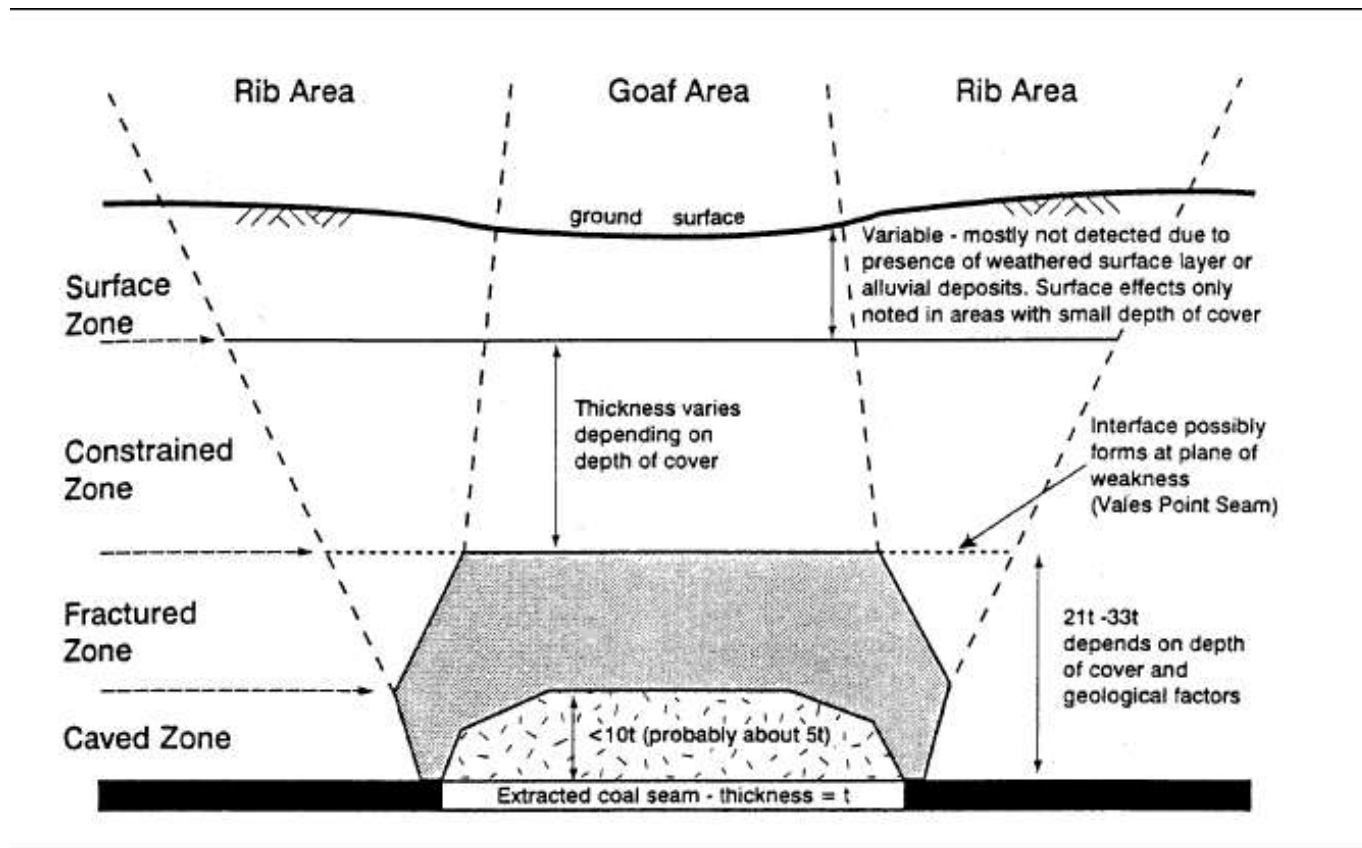
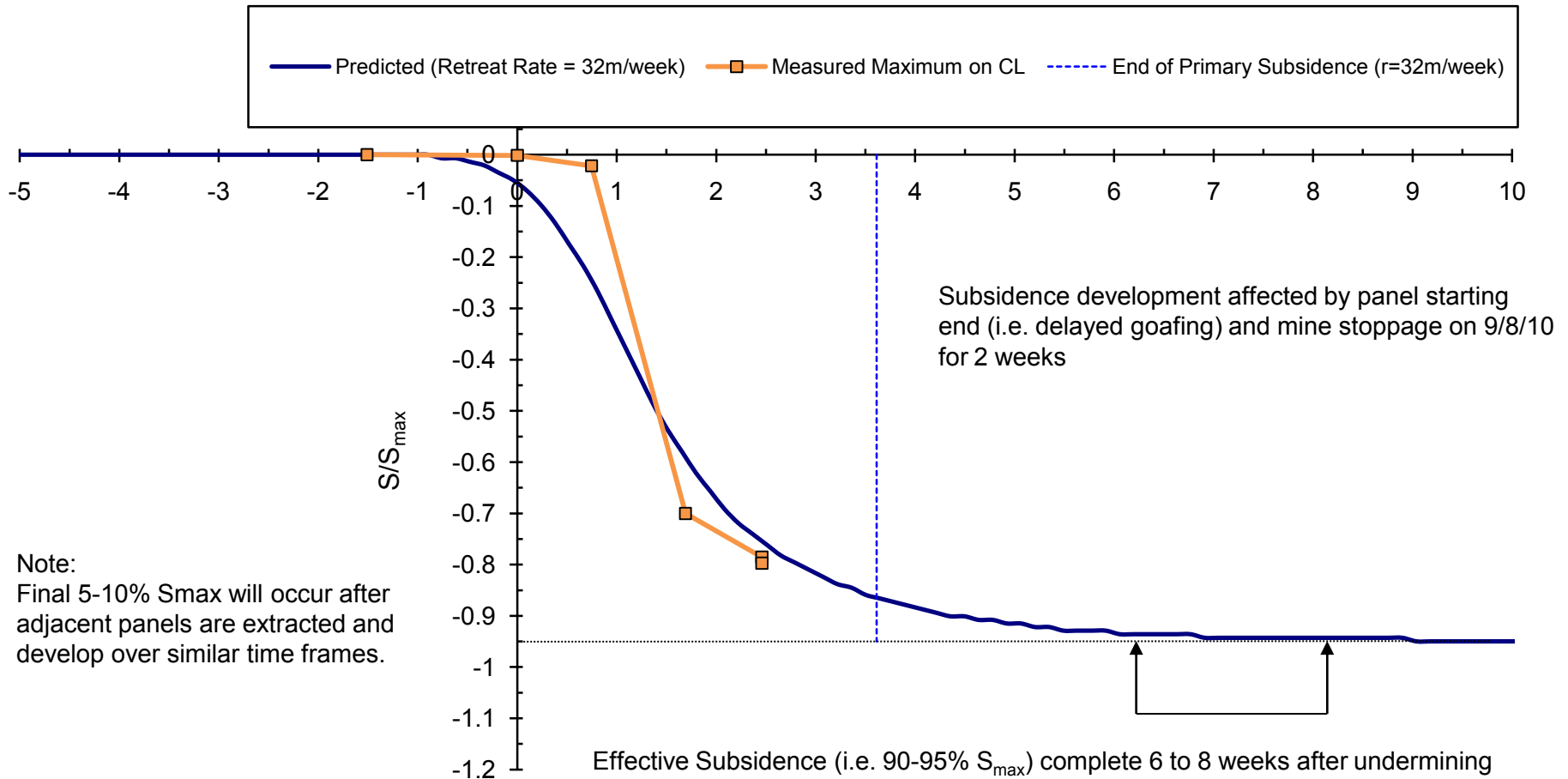


Fig. 1.33 Zones in the Overburden according to Forster (1995)

Abel Subsidence Development Rates – Area 1



- ◆ Surface above application area comprises a combination of land owned by Black Hill Land Pty Ltd, the Catholic Diocese of Maitland and Newcastle, a narrow strip traversing the area owned by Hunter Water Corporation, ten private properties and two public roads;

- ◆ Man made and natural features potentially impacted by subsidence arising from mining this area, are
 - ◆ Catholic Diocese of Maitland / Newcastle land, Stock water supply line; access roads and tracks; various fences, Principal Residence, disused, unoccupied residences – Property Management Plan to be prepared;
 - ◆ Black Hill Land Pty Ltd land, access roads and tracks – Property Management Plan to be prepared;

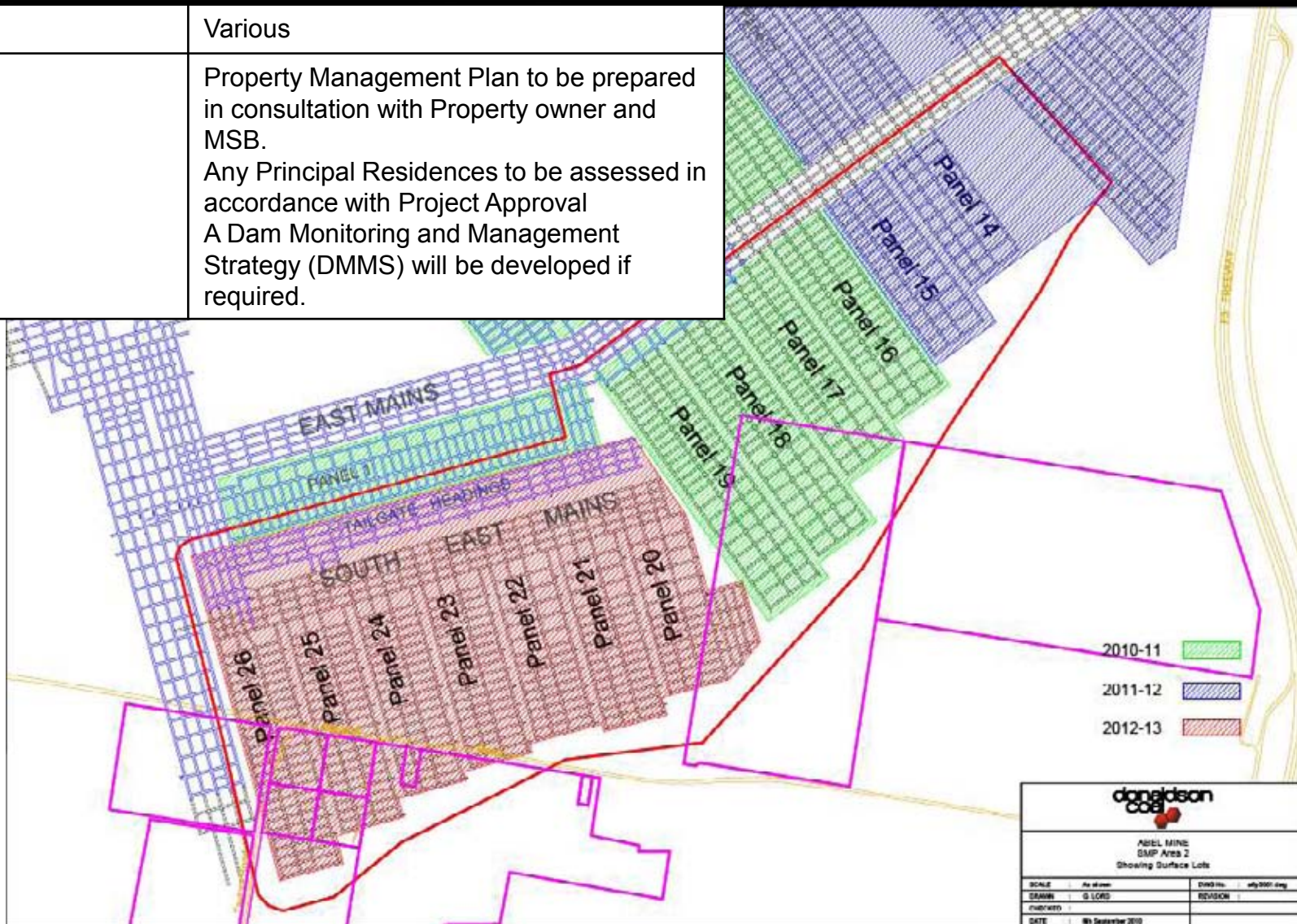
- ◆ Private properties and Principal Residences – Property Management Plans to be prepared – to include Mine Subsidence Board inspection, Dam Monitoring & Management Strategy and also consideration of outbuildings and other improvements as ‘other surface structures’. Discussions will also be held, as part of the SMP application preparation with property owners and the MSB regarding mitigation / rehabilitation and responsibilities
- ◆ Black Hill Road – Management Plan to be prepared in consultation with Cessnock City Council
- ◆ Telstra Copper cables – Management Plan to be prepared in consultation with Telstra.
- ◆ Hunter Water Corporation water pipeline – Existing Infrastructure Management Plan to reviewed;
- ◆ Energy Australia rural 11kV and 132kV power lines – Existing Infrastructure Management Plan to reviewed;

Key features

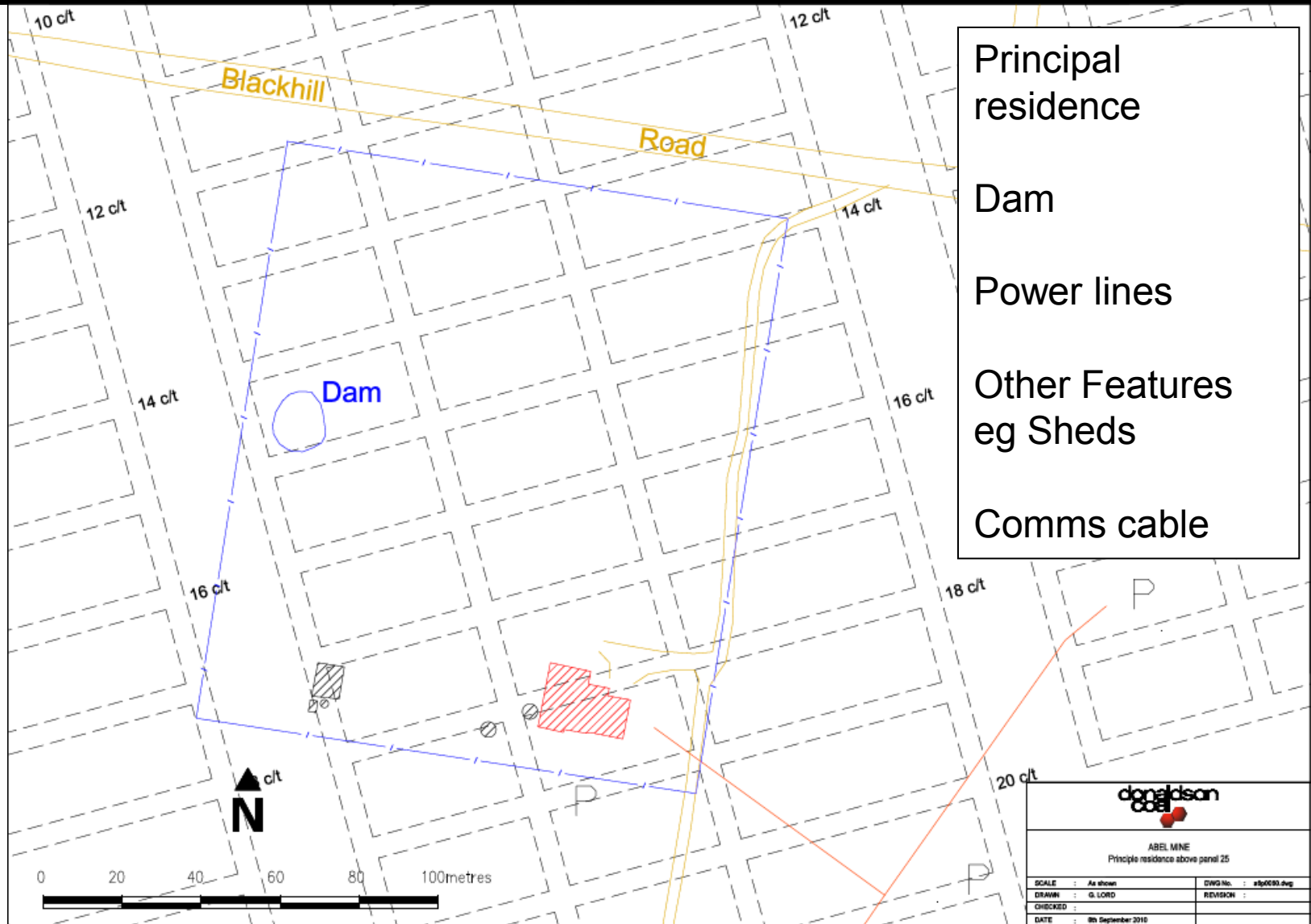
- ◆ Transgrid 330kV power line – Existing Infrastructure Management Plan to reviewed;
- ◆ Optus fibre optic cable – continued discussions relating to relocation and/or Management Plan
- ◆ Layout of the panels has been designed to provide management outcomes of subsidence impacts in line with the Statement of Commitments and Project Approval
- ◆ Maximum predicted subsidence in the application area ranges between 1.0m and 1.9m
- ◆ Maximum predicted strains from 5 to 20mm/m, and
- ◆ Maximum predicted tilts from 10 to 48mm/m excluding areas nominated to be protected.

Private Properties

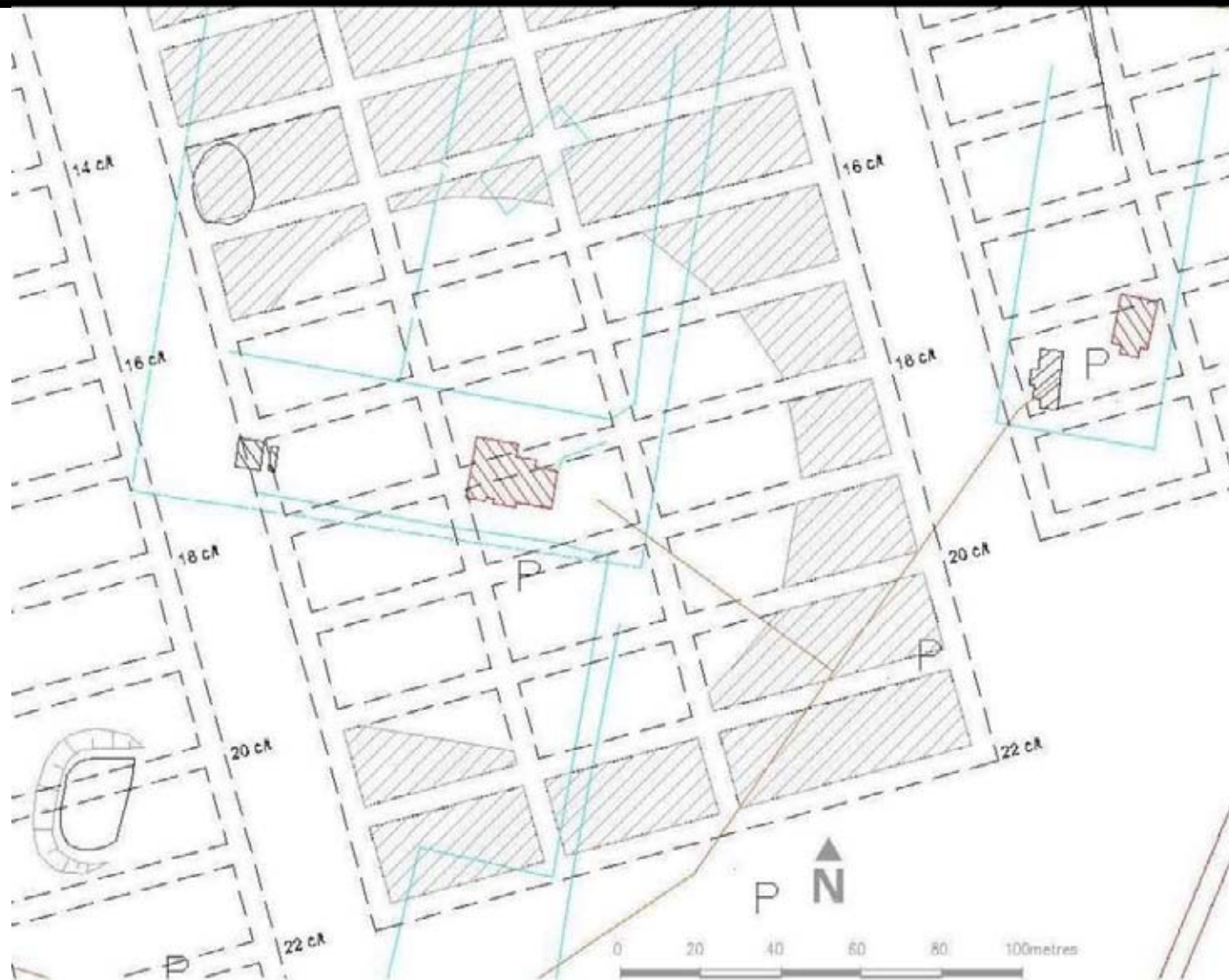
Timing	Various
Detail	<p>Property Management Plan to be prepared in consultation with Property owner and MSB.</p> <p>Any Principal Residences to be assessed in accordance with Project Approval A Dam Monitoring and Management Strategy (DMMS) will be developed if required.</p>



Typical Private Property Infrastructure



Typical Private Property Infrastructure

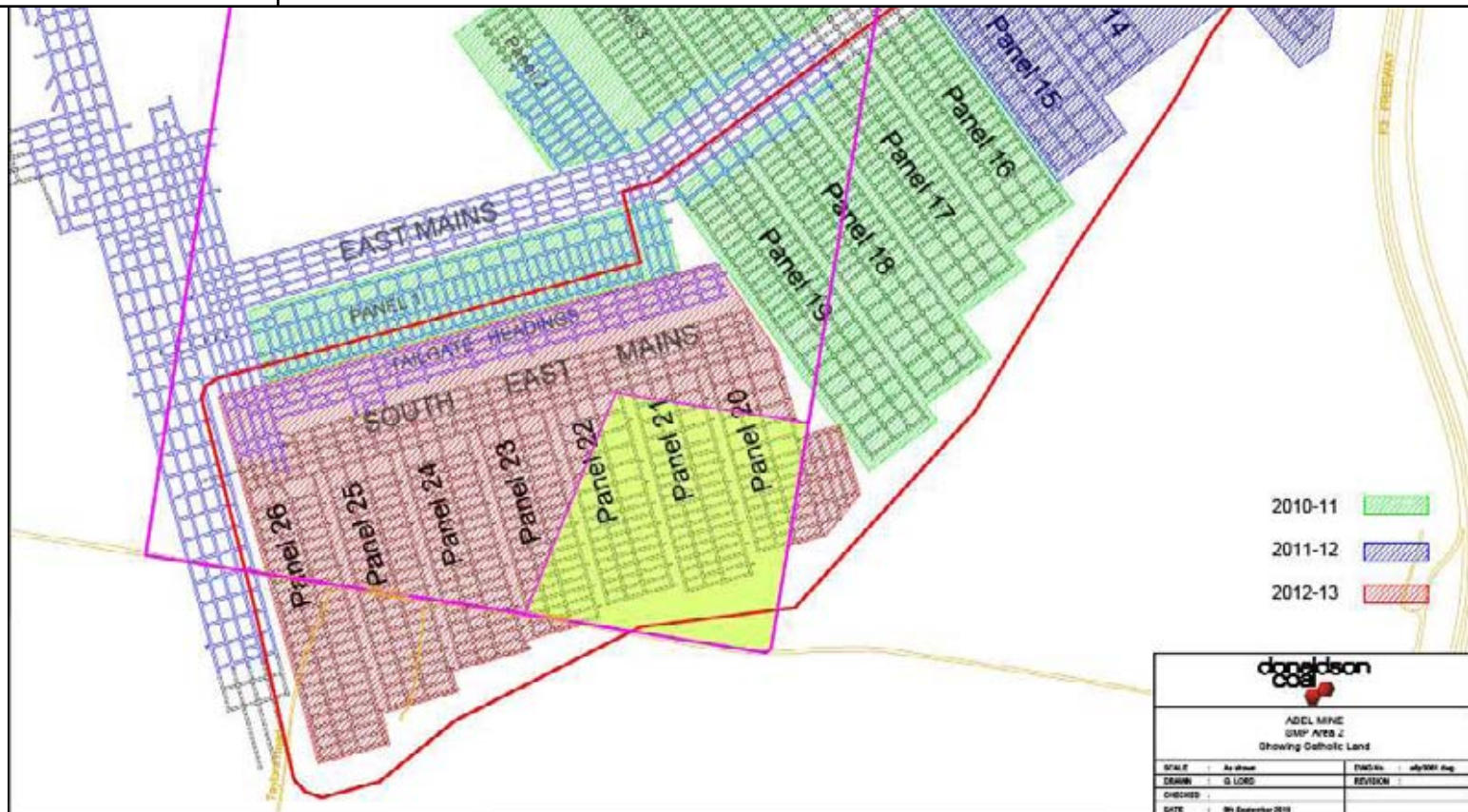


- ◆ A Dam Monitoring and Management Strategy (DMMS) will be developed for all dams prior to any mining impact.



Catholic Diocese Land

Timing	Extraction- Panel 19
Detail	Cattle agistment and stock watering system. Principal Residence area.
Property Management Plan	Draft completed
Access agreement	In place
Mining schedule agreement	In place

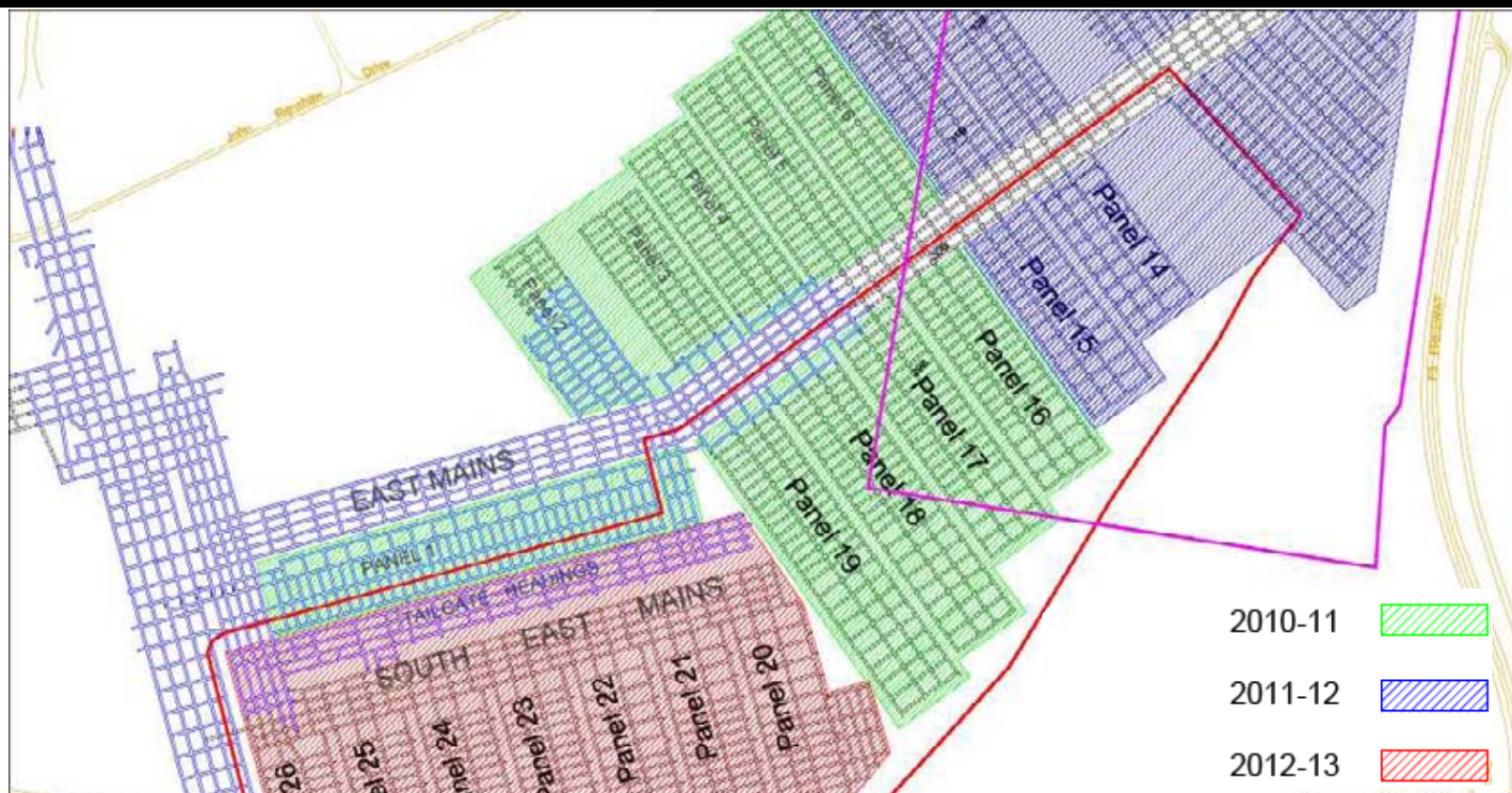


Catholic Diocese Land

- ◆ Irrigation system for cattle agistment
- ◆ Fences/gates/cattle grids
- ◆ Cattle yards/Holding yards
- ◆ Access tracks

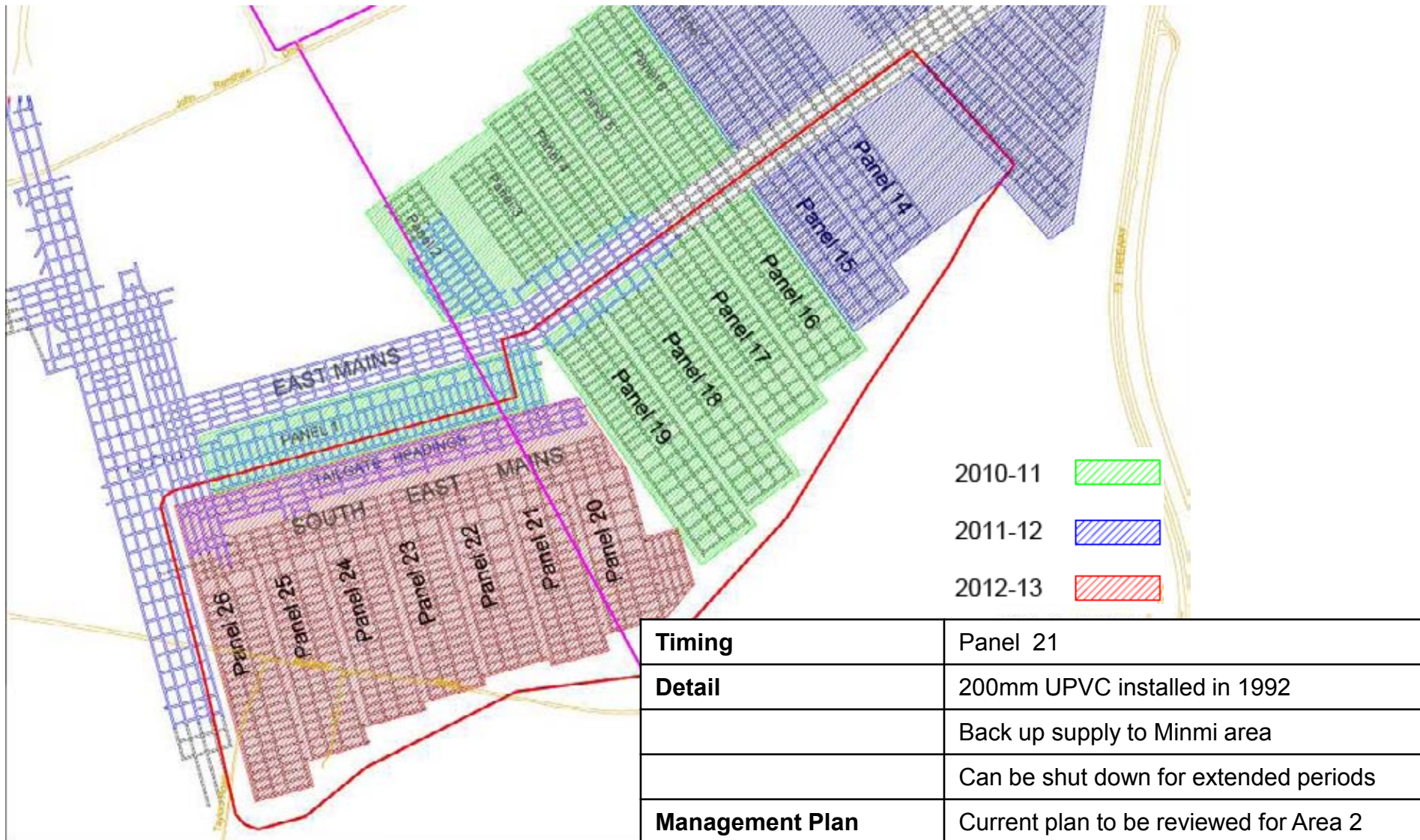


Black Hill Land Pty Limited



Timing	Extraction- Panel 18
Detail	Black Hill Land P/L is seeking concept plan approval for industrial development
Property Management Plan	Draft completed
Access agreement	To be Developed
Mining schedule agreement	Draft completed

Hunter Water Pipe line

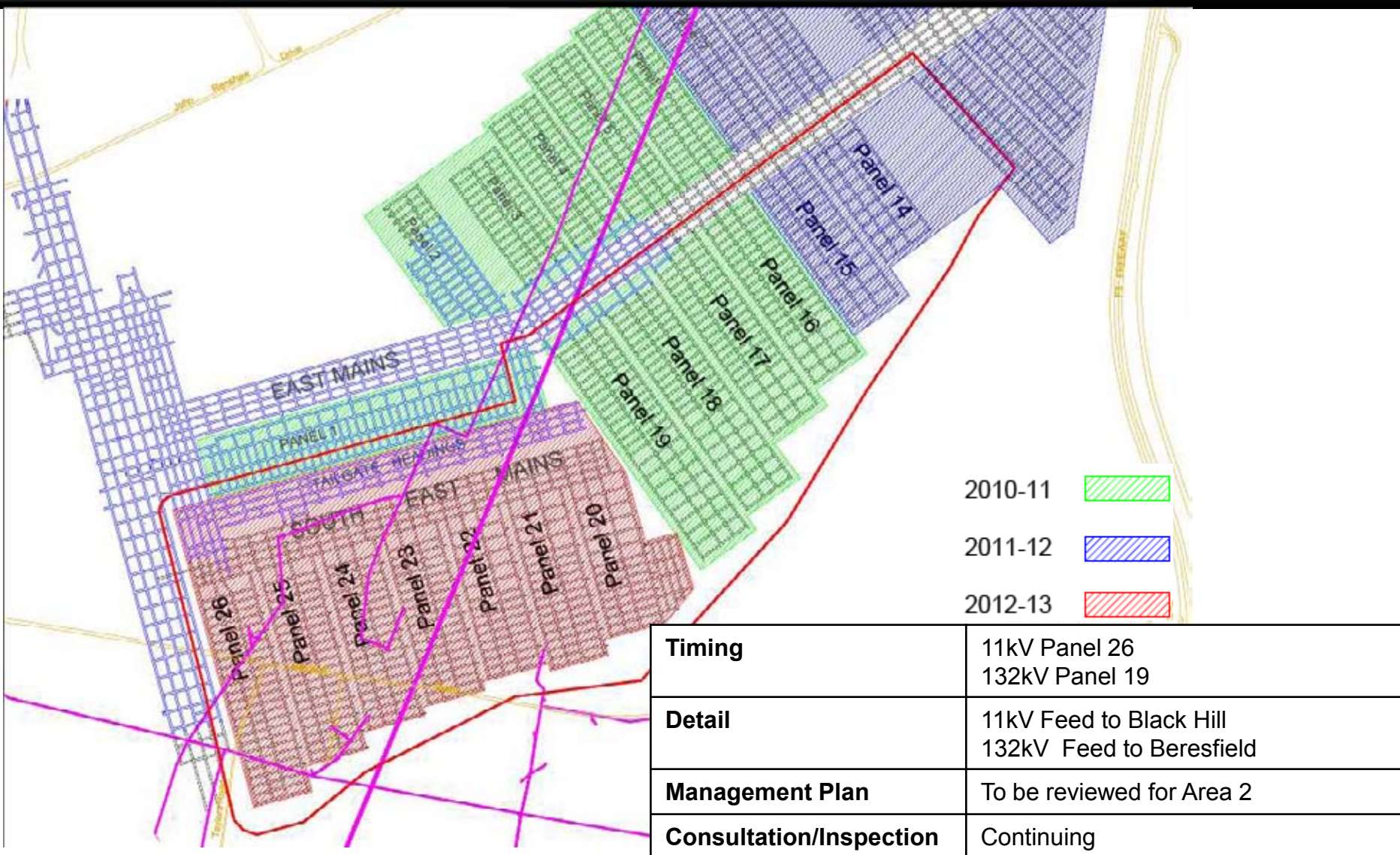


Hunter Water Pipe line

- ◆ 500mm cast iron pipe installed late 1800's
- ◆ 200mm UPVC pipe installed 1992 to replace 500mm pipe in anticipation of mining subsidence
- ◆ Subsidence lines installed for Panels 1,2
- ◆ Management Plans already in Place for Panels 1 and 2



Energy Australia Power Lines

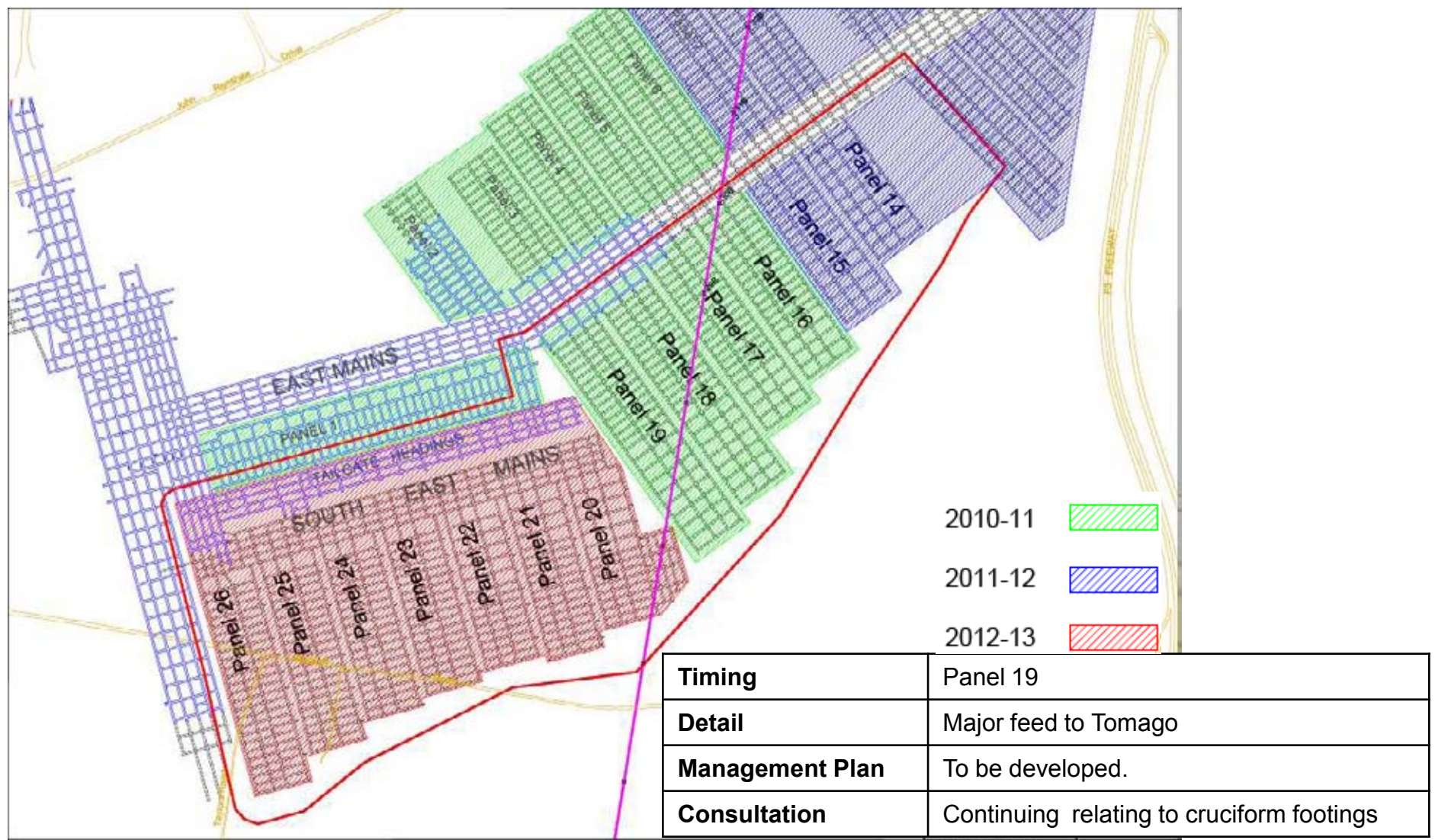


Energy Australia 132kV Power Line



- Installed 1960's
- Feed to Beresfield area from Killingworth 330/132kV sub station
- Critical power supply
- Steel channel cross arm
- 3 power conductors and 2 Earth wires
- Spacing at ~200m across SMP area
- Management plan to be developed in consultation with EA to ensure serviceability of power line
- Timing Panel 19

Transgrid 330kV Power Line



Timing	Panel 19
Detail	Major feed to Tomago
Management Plan	To be developed.
Consultation	Continuing relating to cruciform footings

Transgrid 330kV double circuit steel towers



- Installed in 1982/1983
- Critical feed to Tomago area
- 5 suspension towers in SMP Area 2
- Key issues
 - Vertical displacements may reduce clearance from ground surface and lead to infringement of statutory requirements for clearance of transmission lines (6.7m)
 - Horizontal displacement and tilt may affect the alignment and tension of the transmission lines
- Management plan to be developed in consultation with Transgrid to ensure serviceability of power line
- Timing Panel 19

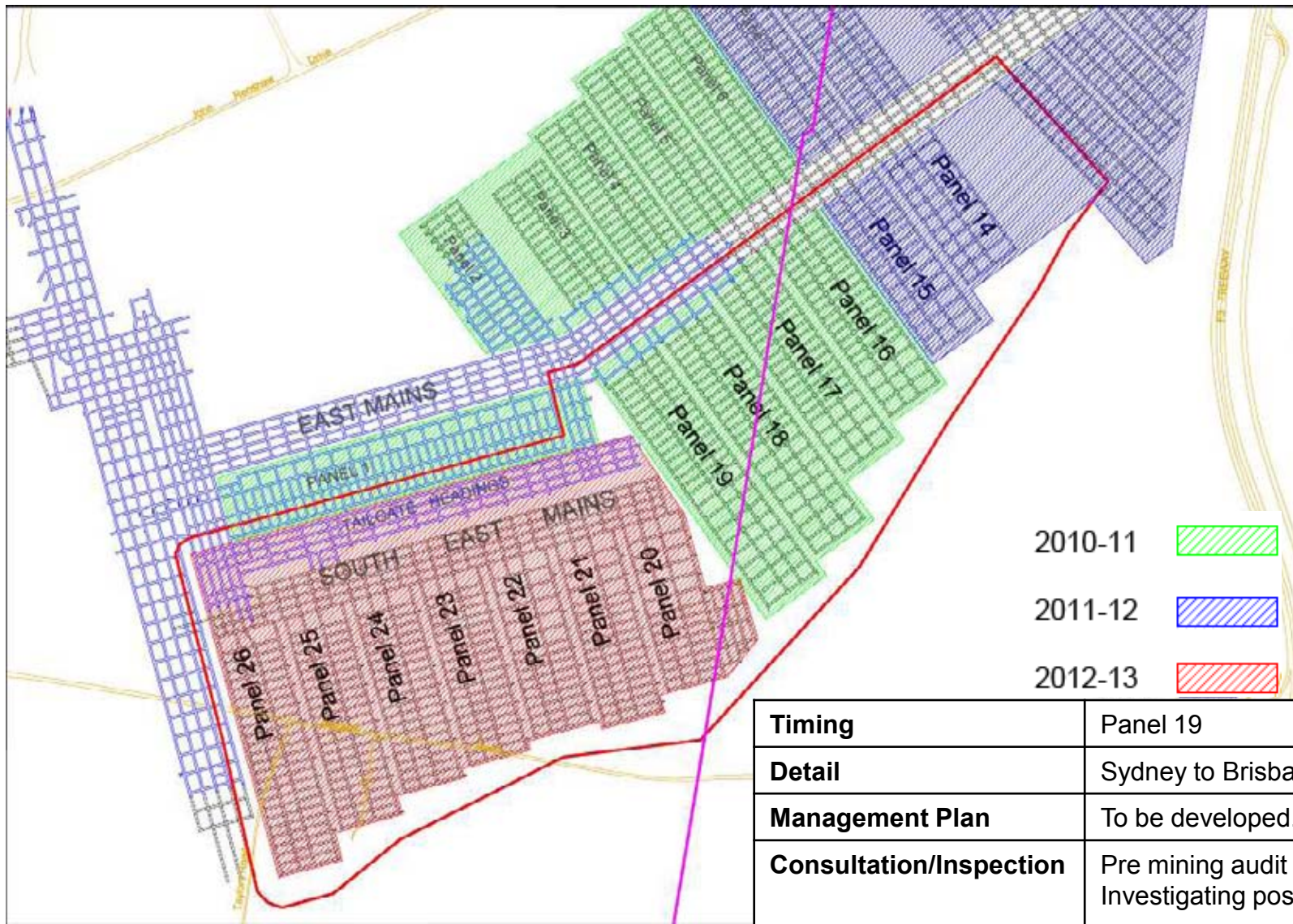
Transgrid 330kV double circuit steel towers

Cruciform footings

- Cruciform footings installed under suspension towers in 1982 in anticipation of future U/G Mining
- Designed to withstand 9.1m of sub from multi level seams
- The footing acts to tie the legs of the tower together to prevent spreading and to prevent the transfer of ground strains into the structure itself
- The size of the footing is such that the mass can prevent overturning of the tower in the event of extreme loading
- Similar towers in Newcastle district have been subsided 2m
- MSB have reported that their success has led to significant reserves of coal beneath towers being mined



Optus Fibre Optic cable



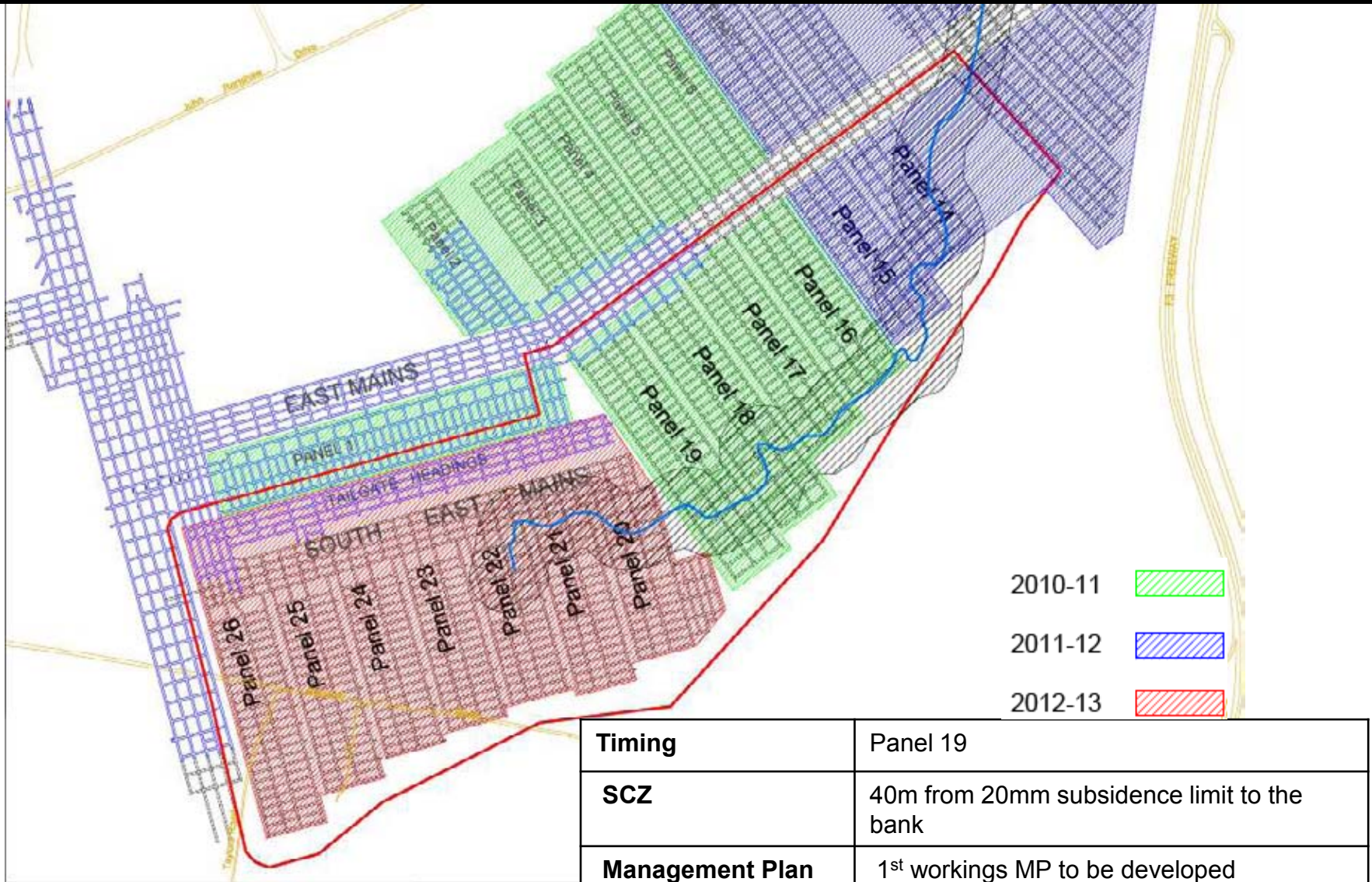
Timing	Panel 19
Detail	Sydney to Brisbane
Management Plan	To be developed.
Consultation/Inspection	Pre mining audit of cable completed. Investigating possible relocation.

Optus Fibre Optic

- Installed adjacent to Transgrid 330kV line in early 1980's
- Cable directly buried underground
- Designed to tolerate subsidence parameters based on F3 easement
 - 150mm subsidence
 - 1.0 mm/m strain
- Optus have own internal Management plan (similar to ones developed with other local mining companies)
- Donaldson Coal and Optus consulting on relocation and/or Management Plan
- Timing – Panel 19

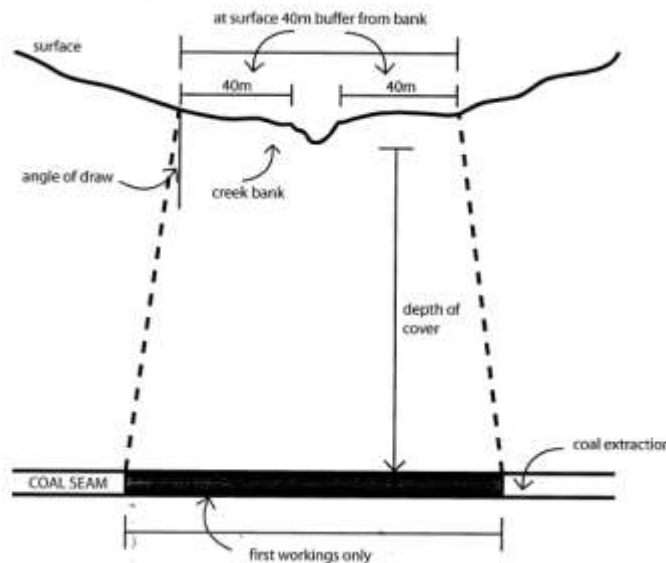


Viney Creek

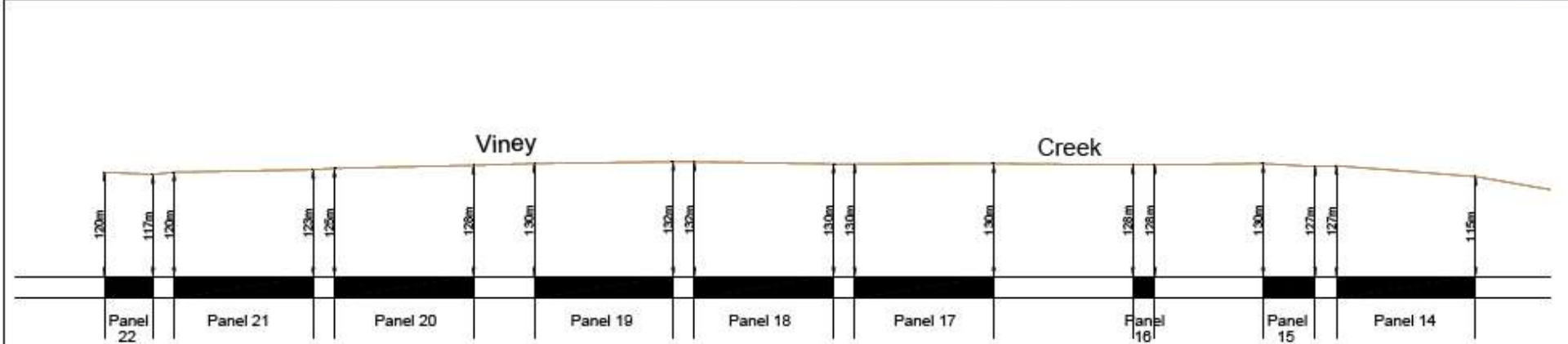


Viney Creek

- Schedule 2 Creek (as per Strahler system)
- Viney Creek flows through the SMP area from south to north. It flows under John Renshaw Drive and eventually discharges into Woodberry Swamp, a wetland system of the Hunter River estuary
- Ephemeral flow
- Heavily vegetated, and in places is heavily choked with weeds and reeds
- Depth of cover 115m to 120m in subject area
- As per Project approval, protected by 40m barrier from stream banks to the 20mm vertical subsidence contour



Viney Creek

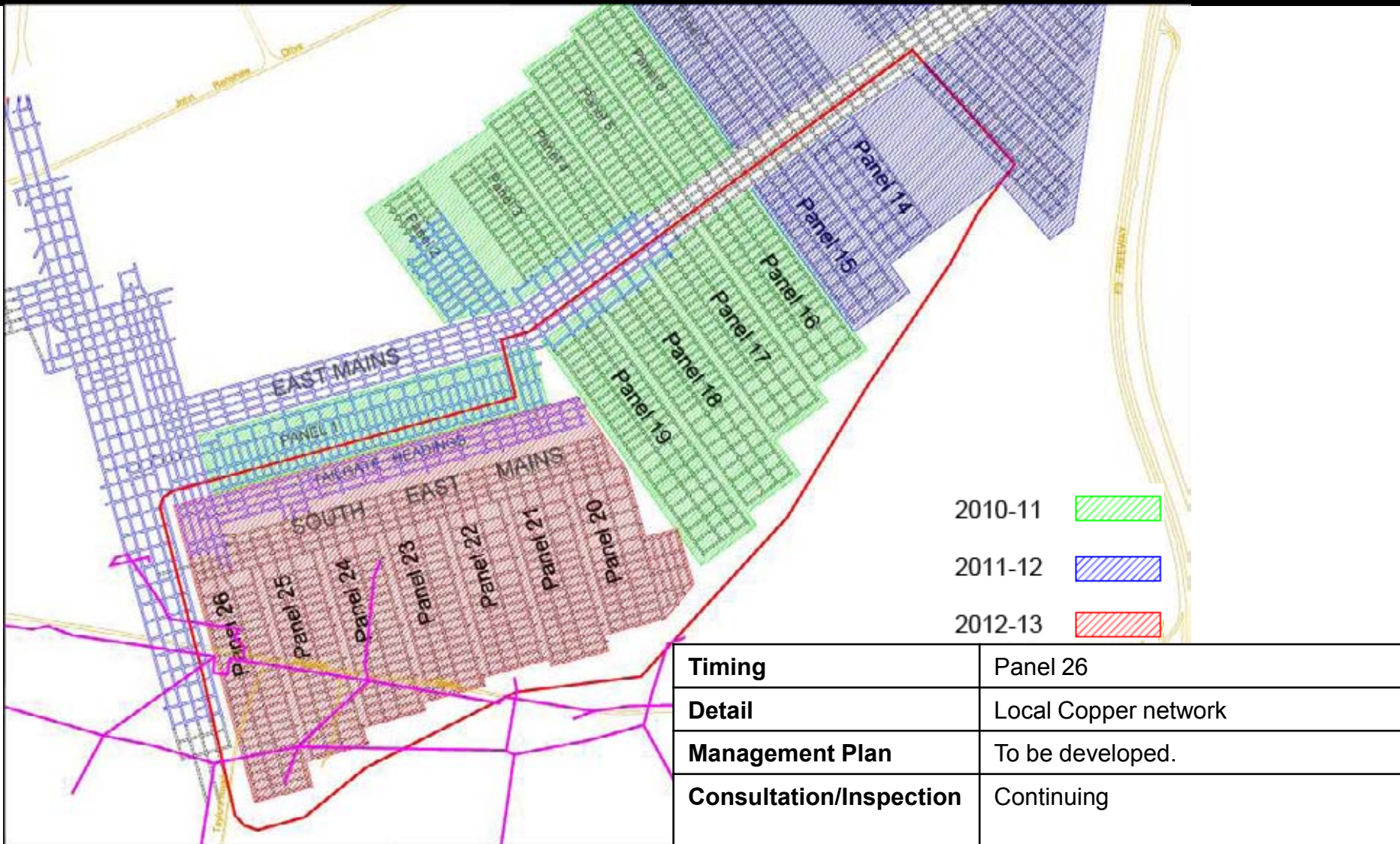


Viney Creek

- ◆ The stream has a high capacity to reduce erosion effects from subsidence due to its significant natural and introduced (weed/reed) vegetative cover
- ◆ In accordance with Project Approval Donaldson may undertake further extraction within this barrier should further studies indicate that such extraction can take place without compromising specified environmental objectives
- ◆ Final degree of extraction will depend on an iterative monitoring / assessment / prediction of a suitable degree of extraction under the creek based on observation of prior mining in similar geomorphology / mining layout / depth of cover etc situations in prior panels away from the creek.
- ◆ Timing Panel 19



Telstra Comms cables



Black Hill Road

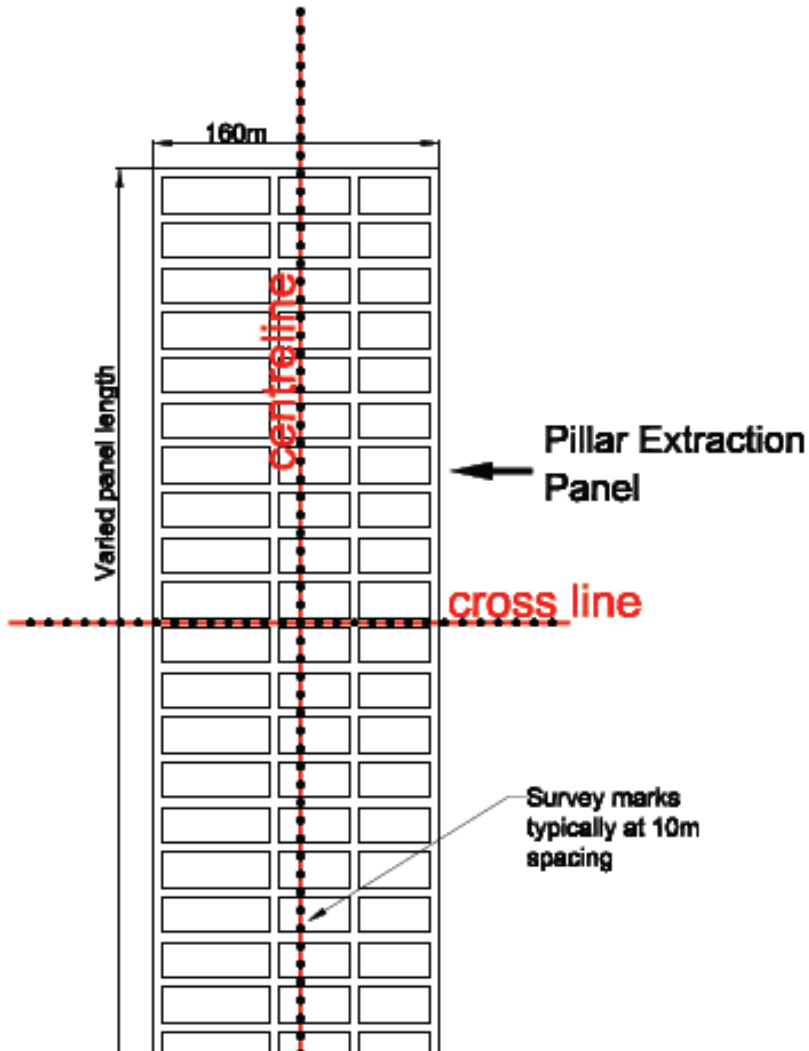
- ◆ The Company shall prepare and implement a Management Plan in consultation with Cessnock City Council. This plan of management will ensure the safety and serviceability of Black Hill and Taylors public roads



Proposed Monitoring

- ◆ Subsidence monitoring consisting of surveys, photographic and visual monitoring, including Principal Residence inspection and surveys;
- ◆ Dam and other improvement monitoring, pre and post mining surveys;
- ◆ Ecological monitoring, fauna and flora;
- ◆ Surface and groundwater monitoring;
- ◆ Infrastructure monitoring, survey, photographic and visual.
- ◆ Flora – specialist consultant
- ◆ Fauna – specialist consultant
- ◆ Groundwater – piezometers – specialist consultant
- ◆ Surface water- flow, water quality
- ◆ Subsidence surveys
- ◆ Visual inspections
- ◆ Photographic records

Subsidence Monitoring



Typical Subsidence Monitoring Program for Pillar Extraction Panels

- Approved by Industry & Investment NSW
- Panel length ranges from 400m to 1,100m
- Centre and cross line survey marks typically at 10m centres
- Feno survey markers used for SMP Area 1
- Removed after effective subsidence completed

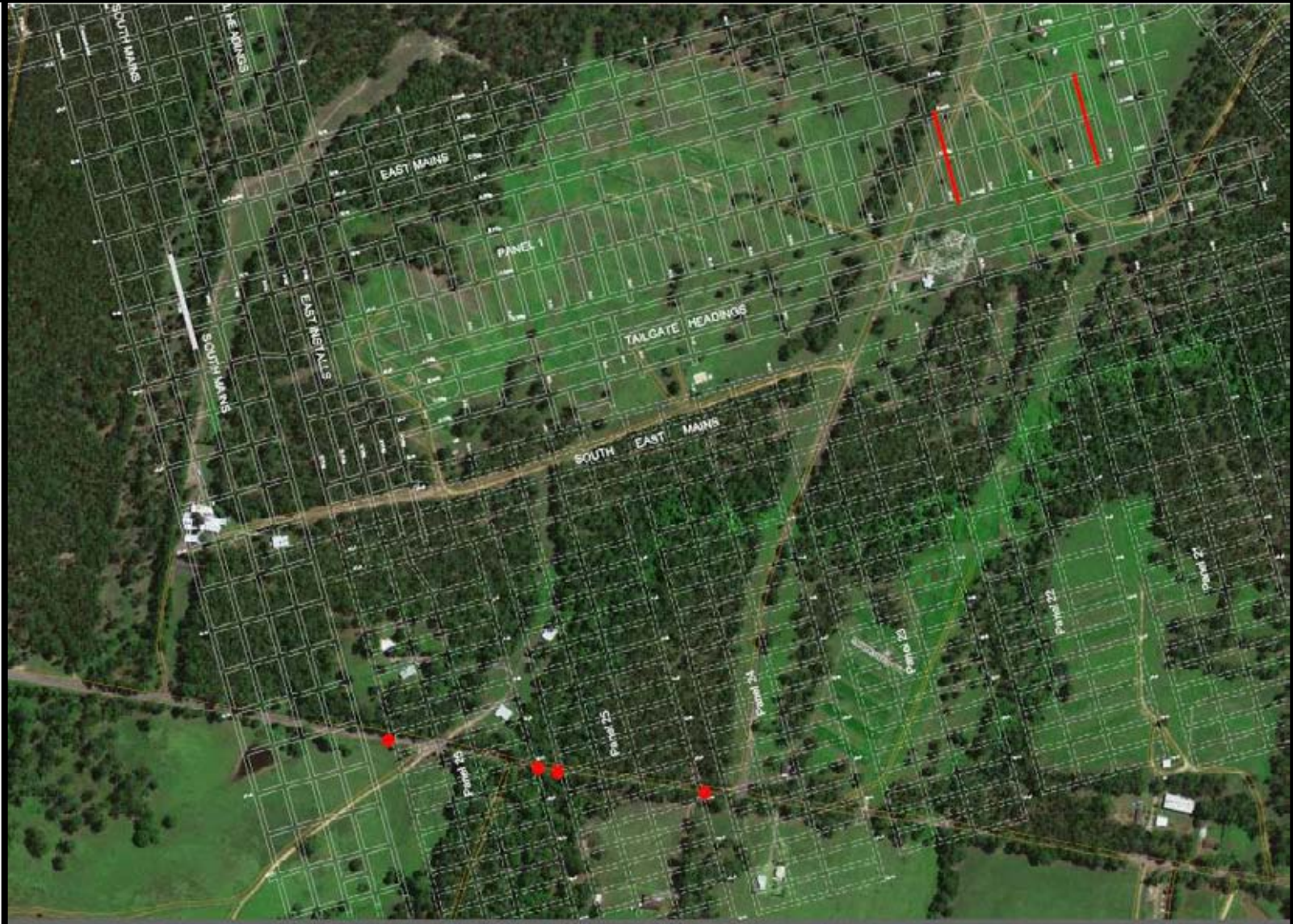


- ◆ Consultation commenced in CCC meeting 2010 and will continue throughout the preparation of the SMP application with
 - ◆ Industry & Investment and relevant agencies
 - ◆ Abel Community Consultative Committee
 - ◆ Landholders, and
 - ◆ Infrastructure owners
- ◆ Following this presentation and field inspection a Risk Assessment will be conducted to assess all risks and will include items raised from today. A member of the CCC will be in attendance.
- ◆ Preparation of the SMP Application will then continue with the aim to lodge the document in mid October 2010.

Abel Area 2 SMP Schedule

- ◆ Submit SMP Application (October 2010)
- ◆ Advertise submission of SMP Application
- ◆ Display period and opportunity for further community input (November 2010)
- ◆ Review of application (Industry & Investment then Inter Agency Review Committee)
- ◆ Determination – approval sought for commencement of pillar extraction (February 2011)

Site Inspection SMP Area 1 Panel 1





ABEL UNDERGROUND COAL MINE
SMP Area 2 Stakeholder Meeting
Thursday 9th September 2010 (9am to 1pm)
Abel Underground Mine Administration Building
Minutes

1. Opening and welcome – Tony Sutherland (Technical Services Manager – Underground Operations)

2. Attendees

Terry Lewin (Abel Mine CCC member), Carol Fraser (Resident), Noel & Daphne Blanch (Residents), Peter Allen (Resident), Rodney Lodge (Resident), Rod Taylor (Resident), Bruce & Joyce Doyle (Residents), Anne Clark (Resident), Doug Clark (Resident), Rosalie and Anthony Seton (Residents), Garry Moore (Mine Subsidence Board), Bruce Fraser (Transgrid), Brian Magin (Transgrid), Damien Harrigan & Sean Scanlon (Catholic Diocese of Maitland-Newcastle), Rod Sandell (Cessnock City Council), Steve Ditton (Ditton Geotechnical Services), Geoffrey Rock (Coal & Allied), Jonathon Smith (Industry & Investment NSW), Ray Ramage (Industry & Investment NSW), Colin Dove (Telstra Consultant), Johannes Honnef (Newcastle City Council), Andrew Fulton (Aquaterra), Kevin Price (Brunskill Pty Ltd),
Mark McPherson, Adam Heeney, Phil Brown, Tony Sutherland, Alison Freeman (Donaldson Coal)

3. Apologies

Alan Brown (Abel Mine CCC member), Karen Marler (DECCW), Mark Schneider (Telstra)

4. Meeting agenda

A PowerPoint presentation (***see copy on web site***) was then delivered by Tony Sutherland covering the agenda items below with Steve Ditton from Ditton Geotechnical Services giving an overview on the subsidence results from SMP Area 1 and the subsidence predictions for SMP Area 2.

- Introduction and Meeting Objectives
- Donaldson Coal Background
- The Subsidence Management Plan (SMP) Process
- Abel Mine
 - Project Approval
 - Mine Planning
 - Mining Methods
 - Area 1
 - Area 2
 - SMP Area Surface Environment Assessment
- SMP Area 1 Approvals and conditions, Management Plans, Monitoring Programs
- Panel 1 (SMP Area 1) Progress to date



- Subsidence Results Panel 1, impacts and remediation
- SMP Area 2 Key surface features
 - Man made and Natural features potentially impacted by subsidence, including
 - Properties
 - Roads
 - Powerlines
 - Waterlines
 - Dams
 - Other infrastructure
- Abel SMP Area 2 Subsidence Assessment and Predictions
- Abel SMP Area 2 Subsidence Impacts
- Abel SMP Area 2 Proposed Subsidence Monitoring
- Abel SMP Area 2 Mining Schedule

5. Surface Filed trip

A Field Visit of the surface areas was then undertaken of SMP Areas 1 & 2 as per attached plan. The surface area where Panel 1 had undermined was pegged out to show both the areas where the surface had already been undermined by Panel 1 and where some of the Panels of SMP Area 2 were located.

6. Lunch/ open forum

Lunch was provided on return to the mine site and an opportunity provided for informal discussions on any items for consideration in the SMP Area 2 preparation. No issues were raised.

The meeting was closed at 1pm.