60000628

Mining District File Summary Sheet

DISTRICT	Rosebud
DIST_NO	4010
COUNTY If different from written on document	Pershing
TITLE If not obvious	Rosebud Mine Survey Information
AUTHOR	mjb
DATE OF DOC(S)	1999 - 2000
MULTI_DIST Y / N? Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Dark Zone; Hecla Mining Co.; St. Louis target
COMMODITY If not obvious	
NOTES	Drill hole direction and speed data; handwritten notes; Surface location map of targets; mine and drill hole maps 27 p. 11 oversized maps

Keep docs at about 250 pages if no oversized maps attached (for every 1 oversized page (>11x17) with text reduce the amount of pages by ~25)

SS: DD 3/21/08
Initials Date

DB:
Initials Date

SCANNED:
Initials Date

Revised: 1/22/08

SURVEY INFO.

ACTION UNDERGROUND

DATE	SHIFT		DRILLER	DRILLER	HOLE#	BEARING	ANGLE	FOOTAGE FROM	TO	CORE RECOVERED	NQ SHIFT TOTAL	HQ SHIFT TOTAL	HOURS DRILLING	CASING	SETUP, TEAR DOWN	DRILLING CAVE, REAMING HOLE	HOLE CONDITIONIN	SURVEY	CEMENTING	POWER DELAY	WATER DELAY	BLAST DELAY	CLIENT DELAY	DRILLING COMPANY DELAY	SUPPLIES BENTONITE	VIBRALUBE	CEMENT	EZ MUD	K-ACETATE	DEXTRE	OIL	CON DE	KCL
7/19/99	DAY	1	Gaddie	Tom	RS-D359-99		-37	0	0	0		0	0		3								2										
7/20/99	DAY	1	Gaddie	Tom	RS-D359-99		-37	0	0	0		0	0		10																		
7/21/99	DAY	1	Gaddie	Tom	RS-D359-99		-37	0	0	0		0	0		10																		
7/22/99	DAY	1	Gaddie	Tom	RS-D359-99		-37	0	0	0		0	1		5					1	1			2				2					
7/22/99	NIGHT	1	Lavallee	Bamford	RS-D359-99		-37	0	67	67		67	6								2												
7/23/99	DAY	1	Gaddie	Tom	RS-D359-99		-37	67	222	155		155	8											2									
7/23/99	NIGHT	1	Lavallee	Bamford	RS-D359-99		-37	222	352	130		130	8				1	1															
7/24/99	DAY	1	Gaddie	Tom	RS-D359-99		-37	352	457	105		105	8				1							1									
7/24/99	NIGHT	1	Lavallee	Bamford	RS-D359-99		-37	457	547	90		90	7				1						2										
7/25/99	DAY	1	Gaddie	Tom	RS-D359-99		-37	547	602	55		55	5		1		1	1					2										
7/25/99	NIGHT	1	Lavallee	Bamford	RS-D359-99		-37	602	602	0		0	0		4			1						1									
7/25/99	NIGHT		Lavallee	Bamford	RS-D363-99		-36	0	0	0		0			4									1									
7/26/99	DAY	1	Gaddie	Tom	RS-D363-99		-36	0	142	142		142	7		2			1								4		7				4	
7/26/99	NIGHT	1	Lavallee	Bamford	RS-D363-99		-36	142	292	150		150	8				1							1									
7/27/99	DAY	1	Gaddie	Tom	RS-D363-99		-36	292	372	80		80	6				1	1						2									
7/27/99	NIGHT	1	Lavallee	Tom	RS-D363-99		-36	372	482	110		110																					
7/28/99	DAY	1	Gaddie	Tom	RS-D363-99		-36	482	572	90		90	8				1						1										
7/28/99	NIGHT	1	Lavallee	Tom	RS-D363-99		-36	572	662	90		90	8				1						1										
7/29/99	DAY	1	Gaddie	Tom	RS-D363-99		-36	662	742	80		80	8				2																
7/29/99	NIGHT	1	Lavallee	Tom	RS-D363-99		-36	742	742						7			3															
TOTALS		19	Shifts			71	FEET PER SHIFT				1344	0	1344	85	0	46	0	10	8	0	1	3	0	8	10	0	4	0	9	0	0	0	4	0
			ESTIMATED COSTS									$0.00	$23,184.00		$0.00	$3,910.00	$0.00	$950.00	$760.00	$0.00	$85.00	$255.00	$0.00	$680.00		$0.00	$300.00	$0.00	$315.00	$0.00	$0.00	$0.00		$0.00

TOTAL COST	**$33,439.00**	Recovery Percentage	100.0% NQ
TOTAL COST/FOOT	**$24.88**	Recovery Percentage	100% HQ
HOURLY COSTS	**$6,640.00**		
MUD COSTS	**$615.00**		

DARKZONE DRILLHOLES
12-20-99
DARKZONE.CR5 12/21/99 06:06:54

Point	Northing	Easting	Elevation	Description
1	2,204,482.2684	481,967.9582	4,345.06	N21BS
146	2,204,446.8501	482,396.7055	4,354.82	384
147	2,204,441.6573	482,399.6361	4,357.37	385
148	2,204,439.4456	482,400.6166	4,357.43	386
149	2,204,436.5937	482,401.4911	4,358.59	387
150	2,204,429.0662	482,407.0972	4,350.49	388
151	2,204,429.4145	482,406.5015	4,353.59	389
152	2,204,430.5218	482,435.1747	4,358.73	381
153	2,204,429.3186	482,435.5506	4,363.49	382
154	2,204,425.1618	482,437.6035	4,364.08	383
155	2,204,412.8824	482,472.0992	4,358.36	370
156	2,204,412.7553	482,471.8012	4,361.96	371
157	2,204,412.2666	482,472.2979	4,364.63	372
158	2,204,407.7960	482,474.9600	4,367.92	373
159	2,204,404.8226	482,476.6447	4,368.40	374
160	2,204,392.1322	482,483.4680	4,361.01	375
161	2,204,392.4909	482,483.4562	4,363.90	376
162	2,204,392.6683	482,482.9364	4,369.46	377
163	2,204,397.3947	482,510.3608	4,360.68	378
164	2,204,397.4057	482,510.0441	4,366.13	379
165	2,204,396.9083	482,510.0179	4,371.04	380

LONGYEAR UNDERGROUND

DATE	SHIFT		DRILLER	DRILLER	HOLE#	BEARING	ANGLE	FOOTAGE FROM	TO	CORE RECOVERED	SHIFT TOTAL	HQ SHIFT TOTALS	HOURS DRILLING	CASING	SETUP, TEAR DOWN	DRILLING CAVE, REAMING HOLE	HOLE CONDITIONING	SURVEY	CEMENTING	POWER DELAY	WATER DELAY	BLAST DELAY	CLIENT DELAY	LONG YEAR DELAY	SUPPLIES BENTONITE	VIBRALUBE	CEMENT	EZ MUD	K-Acetate	Dextred	OIL	KCL
6/4/99	DAY	1	Rogers	Kroll	RS-D358-99		-30	0	0	0	0												2									
6/4/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	0	0	0	0												2	5								
6/5/99	DAY	1	Kroll	Rogers	RS-D358-99		-30	0	0	0	0												4	2								
6/5/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	0	0	0	0				10									4								
6/6/99	DAY	1	Rogers	Kroll	RS-D358-99		-30	0	0	0	0				7									4								
6/6/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	0	0	0	0				10																	
6/6/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	0	0	0	0				10																	
6/8/99	DAY	1	Bamford	Hughes	RS-D358-99		-30	27	39	12		12	2											8								
6/9/99	DAY	1	Bamford	Hughes	RS-D358-99		-30	39	40	1		1	1											9								
6/10/99	DAY	1	Bamford	Hughes	RS-D358-99		-30	0	0	0		0												4								
6/11/99	DAY	1	Bamford		RS-D358-99		-30	40	44	4		4	0.5																			
6/11/99	NIGHT	1	Rogers	Kroll	RS-D358-99		-30	44	64	19		20	4											6								
6/12/99	DAY	1	Bamford	Hughes	RS-D358-99		-30	64	134	70		70											1	1								
6/12/99	NIGHT	1	Kroll	Rogers	RS-D358-99		-30	134	184	50		50	8											2				2				
6/13/99	DAY	1	Bamford	Hughes	RS-D358-99		-30	184	234	50		50	7											3								
6/13/99	NIGHT	1	Kroll	Rogers	RS-D358-99		-30	234	279	44		45	10															1				
6/14/99	DAY	1	Bamford	Hughes	RS-D358-99		-30	279	304	24		25	10															1				
6/14/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	304	340	36		36																1				
6/15/99	DAY	1	Bamford	Hughes	RS-D358-99		-30	340	389	49		49	10															1				
6/15/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	389	414	24		25	6.5										3	0.5								
6/16/99	DAY	1	Bamford	Hughes	RS-D358-99		-30	414	419	5		5	1							9												
6/17/99	DAY	1	Bamford	Hughes	RS-D358-99		-30	419	419	0		0												10								
6/17/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	419	419	0		0												9								
6/18/99	DAY	1	Bamford	Hughes	RS-D358-99		-30	419	419	0		0												8								
6/18/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	419	419	0		0												8								
6/19/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	419	419	0		0												6.5								
6/20/99	DAY	1	Bamford	Hughes	RS-D358-99		-30	419	419	0		0												4								
6/21/99	DAY	1	Bamford	Kroll	RS-D358-99		-30	419	419	0		0												6								
6/22/99	DAY	1	Bamford	Kroll	RS-D358-99		-30	419	419	0		0												11								
6/22/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	419	423	4		4	0.5											7.5								
6/23/99	DAY	1	Kroll	Rogers	RS-D358-99		-30	423	468	45		45	7										1	2								
6/23/99	NIGHT	1	Magoon		RS-D358-99		-30	468	468	0		0	0											6								
6/24/99	DAY	1	Kroll	Rogers	RS-D358-99		-30	468	513	45		45	8															2				
6/24/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	513	563	50		50	10															2				
6/25/99	DAY	1	Kroll	Rogers	RS-D358-99		-30	563	603	39		40	9											1								
6/25/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	603	638	35		35	7.5			2.5									12			2		1		
6/26/99	DAY	1	Kroll	Rogers	RS-D358-99		-30	638	653	15		15	5.5			2.5								2	8			1				
6/26/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	653	673	17		20	6.5			3.5									10	1		1				
6/27/99	DAY	1	Kroll	Rogers	RS-D358-99		-30	673	723	50		50	8			1								1		1		3				
6/27/99	NIGHT	1	Magoon	Arrington	RS-D358-99		-30	723	758	38		38	7			3									12			2				
TOTALS		40	Shifts			0 FEET PER SHIFT				726	0	734	129	0	37	12.5	0	0	0	9	0	0	13	130.5	42	2	0	19	0	1	0	0
ESTIMATED COSTS											$0.00	$13,762.50		$0.00	$3,145.00	$1,187.50	$0.00	$0.00	$0.00	$765.00	$0.00	$0.00	#######		$157.50	$150.00	$0.00	$665.00	$0.00	$33.79	$0.00	$0.00

TOTAL COST	$20,971.29	Drill Hole Recovery Percentage	98.9%
TOTAL COST/FOOT	$28.57	Total Cost / Recovered foot	$28.89
HOURLY COSTS	$6,202.50	Mud Cost / Foot Drilled	$1.37
MUD COSTS	$1,006.29		

2S Much Bay locate

2204075.5
481597.6
4460.2

25 much Bay Fac

Elev. 4465

2204075.5
481597.6
4460.2

3 80
N35W
375

Target
-3500
elev 3620

2205220
480780

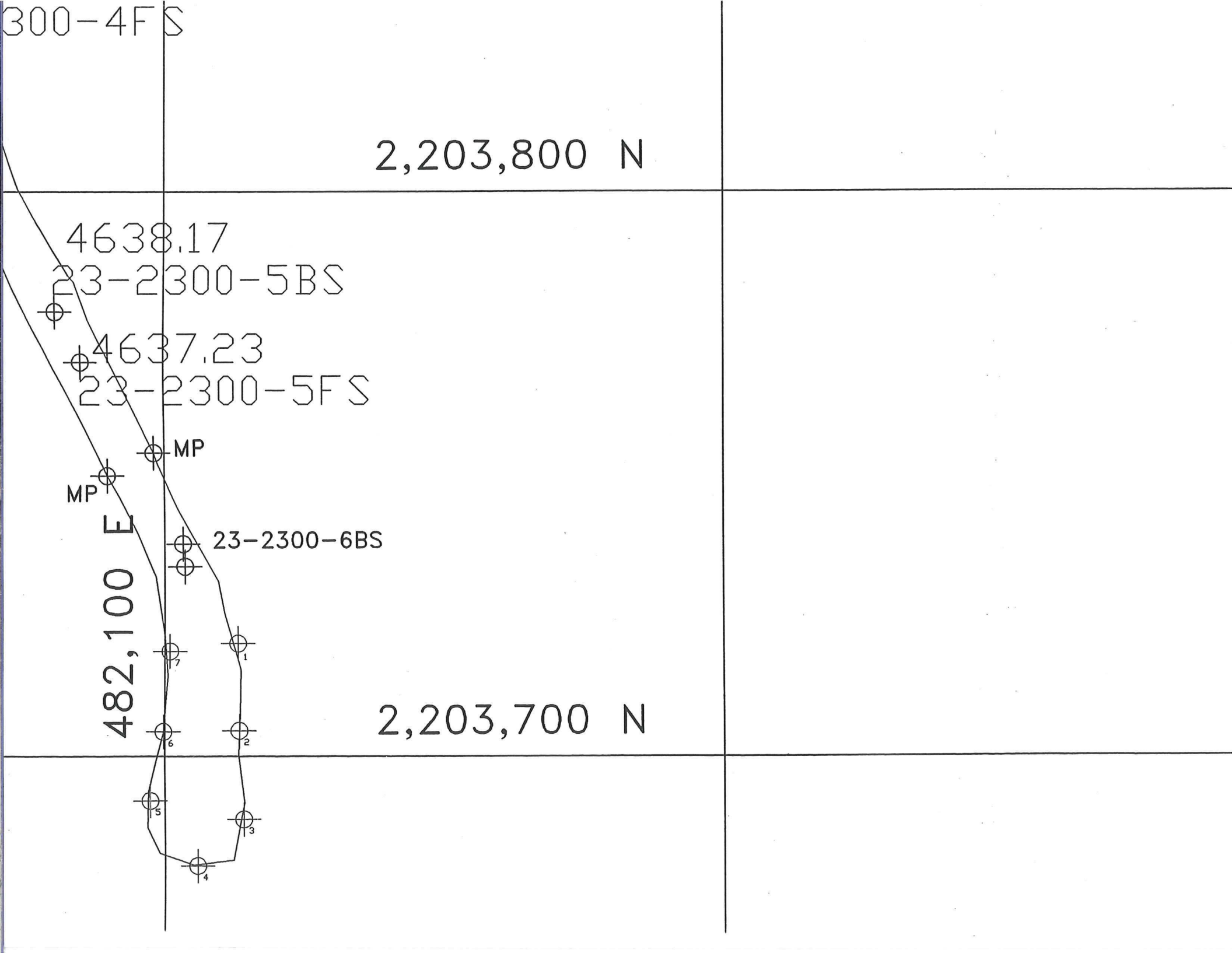
Section 14

Stream hole
-3000 off 3800

481120
2204740

MB41.CR5 04/13/99 13:58:38

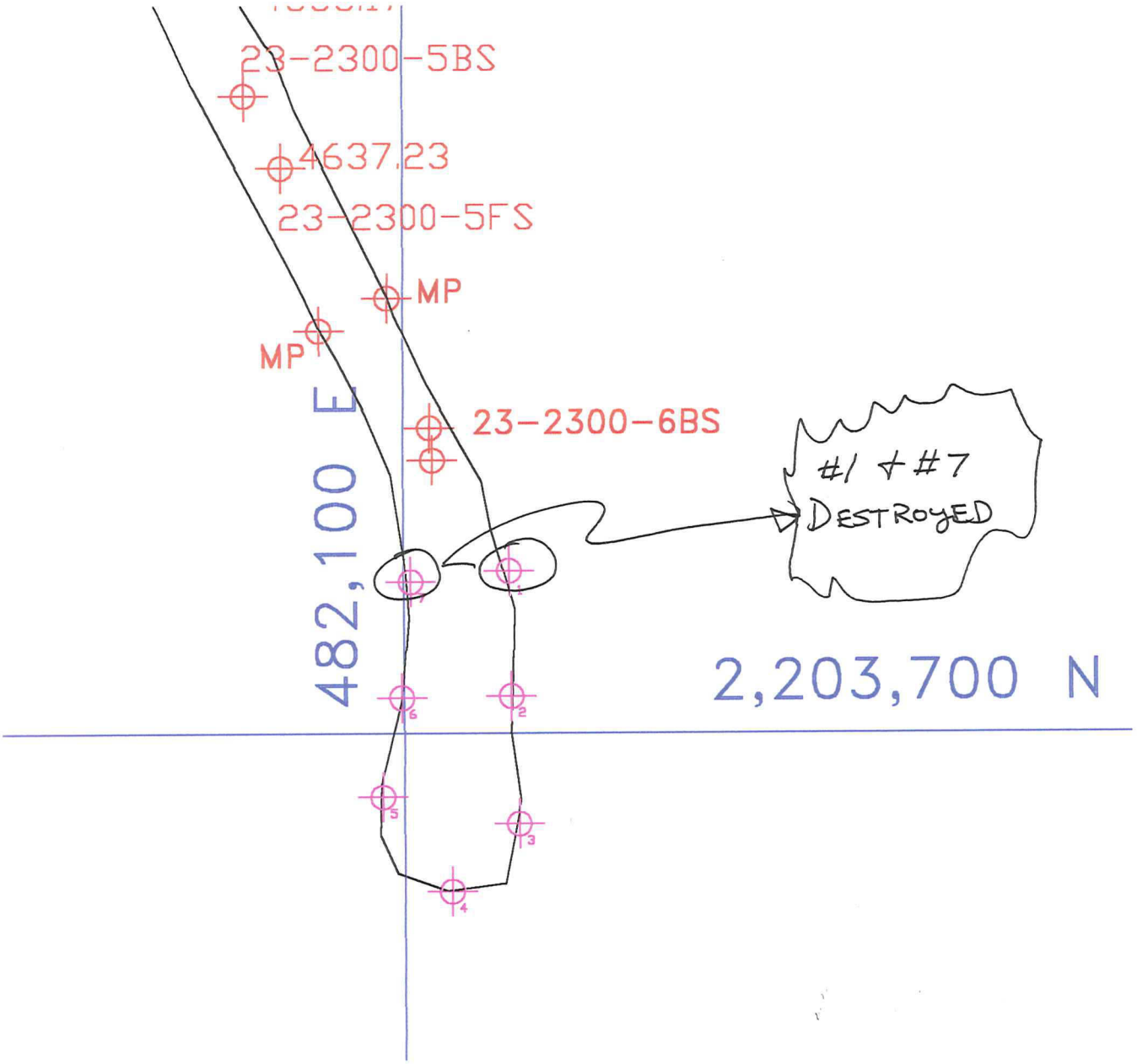
Point	Northing	Easting	Elevation	Description
1	2,203,651.6660	483,216.1010	4,754.28	A41-7FS
2	2,203,598.7200	483,231.1610	4,744.97	A41-6BS
3	2,203,630.9631	483,227.4831	4,752.58	41MBPT
5	2,203,634.9956	483,248.6607	4,743.46	MP1
6	2,203,648.1962	483,267.0575	4,744.93	MP2
7	2,203,661.1244	483,262.6866	4,745.94	MP3
8	2,203,648.8365	483,244.9688	4,744.66	MP4


300-4FS
2,203,800 N
4638.17
23-2300-5BS
4637.23
23-2300-5FS
MP
MP
23-2300-6BS
482,100 E
2,203,700 N
1
2
3
4
5
6
7

7/29/99
20 Scale

23-2300

Geo Measure Points



STP12DHS.CR5 06/16/99 07:29:41

Point	Northing	Easting	Elevation	Description
1	2,203,479.1600	480,781.6720	4,995.91	D7BS
66	2,203,433.7954	480,885.0276	4,974.03	D360
67	2,203,431.1858	480,881.9507	4,974.17	D361
68	2,203,429.4616	480,880.5097	4,974.10	D362

NDHS7-6.CR5 07/07/99 13:43:38

Point	Northing	Easting	Elevation	Description
1	2,204,459.4030	482,047.8630	4,335.09	nbs2
2	2,204,447.8390	482,028.6020	4,336.95	
3	2,204,487.9690	482,082.8697	4,324.04	D358
4	2,204,533.9691	482,187.1994	4,324.18	D357
5	2,204,560.7399	482,231.2480	4,325.37	D344
6	2,204,561.3731	482,232.1784	4,325.90	D356

NDHS7-6.CR5 07/07/99 13:43:38

Point	Northing	Easting	Elevation	Description
1	2,204,459.4030	482,047.8630	4,335.09	nbs2
2	2,204,447.8390	482,028.6020	4,336.95	
3	2,204,487.9690	482,082.8697	4,324.04	D358
4	2,204,533.9691	482,187.1994	4,324.18	D357
5	2,204,560.7399	482,231.2480	4,325.37	D344
6	2,204,561.3731	482,232.1784	4,325.90	D356

NDHS7-6.CR5 07/07/99 13:43:38

Point	Northing	Easting	Elevation	Description
1	2,204,459.4030	482,047.8630	4,335.09	nbs2
2	2,204,447.8390	482,028.6020	4,336.95	
3	2,204,487.9690	482,082.8697	4,324.04	D358
4	2,204,533.9691	482,187.1994	4,324.18	D357
5	2,204,560.7399	482,231.2480	4,325.37	D344
6	2,204,561.3731	482,232.1784	4,325.90	D356

STP41DHS.CR5 05/04/99 11:48:27

Point	Northing	Easting	Elevation	Description
1	2,203,651.1210	483,267.4530	4,756.37	D347
23	2,203,651.7966	483,272.3170	4,753.37	D348
24	2,203,652.5251	483,273.4820	4,750.38	D349
25	2,203,648.1846	483,267.4532	4,743.57	D350

Stone 41

VTBORE~1.CR5 05/13/99 13:18:03

Point	Northing	Easting	Elevation	Description
1	2,203,794.1530	482,609.1790	4,649.69	VENT
2	2,203,826.1480	482,595.4780	4,646.23	ED-6BS
3	2,203,775.6550	482,621.3442	4,635.91	D353
4	2,203,772.1657	482,622.2298	4,636.56	D352
5	2,203,770.0147	482,626.4114	4,637.34	D351

STP12DHS.CR5 06/16/99 07:29:41

Point	Northing	Easting	Elevation	Description
1	2,203,479.1600	480,781.6720	4,995.91	D7BS
66	2,203,433.7954	480,885.0276	4,974.03	D360
67	2,203,431.1858	480,881.9507	4,974.17	D361
68	2,203,429.4616	480,880.5097	4,974.10	D362

RS-D347-99

Front site

7' Toward Face (E) from MP 2

Back site

8' west of MP 3

13.8 East of MP 4

RS-D348-99

Same fore site as above

Back site

9.5' East of MP 4

12.3' west of MP 3

STLDHS.CR5 11/16/99 13:15:50

Point	Northing	Easting	Elevation	Description
1	2,204,077.9767	481,650.8979	4,474.33	T25-1BS
100	2,204,083.1875	481,613.3999	4,455.90	367
101	2,204,084.1813	481,611.0849	4,455.86	365
102	2,204,083.9791	481,608.9906	4,457.39	355
103	2,204,083.0992	481,612.2299	4,454.96	366
104	2,204,081.9211	481,612.1134	4,455.57	364

STP41DHS.CR5 05/04/99 11:51:20

Point	Northing	Easting	Elevation	Description
1	2,203,651.1210	483,267.4530	4,756.37	D347
23	2,203,651.7966	483,272.3170	4,753.37	D348
24	2,203,652.5251	483,273.4820	4,750.38	D349
25	2,203,648.1846	483,267.4532	4,743.57	D350

STP41DHS.CR5 05/04/99 11:51:20

Point	Northing	Easting	Elevation	Description
1	2,203,651.1210	483,267.4530	4,756.37	D347
23	2,203,651.7966	483,272.3170	4,753.37	D348
24	2,203,652.5251	483,273.4820	4,750.38	D349
25	2,203,648.1846	483,267.4532	4,743.57	D350

STP41DHS.CR5 05/04/99 11:51:20

Point	Northing	Easting	Elevation	Description
1	2,203,651.1210	483,267.4530	4,756.37	D347
23	2,203,651.7966	483,272.3170	4,753.37	D348
24	2,203,652.5251	483,273.4820	4,750.38	D349
25	2,203,648.1846	483,267.4532	4,743.57	D350

STP41DHS.CR5 05/04/99 11:51:20

Point	Northing	Easting	Elevation	Description
1	2,203,651.1210	483,267.4530	4,756.37	D347
23	2,203,651.7966	483,272.3170	4,753.37	D348
24	2,203,652.5251	483,273.4820	4,750.38	D349
25	2,203,648.1846	483,267.4532	4,743.57	D350

MB41.CR5 04/13/99 13:58:51

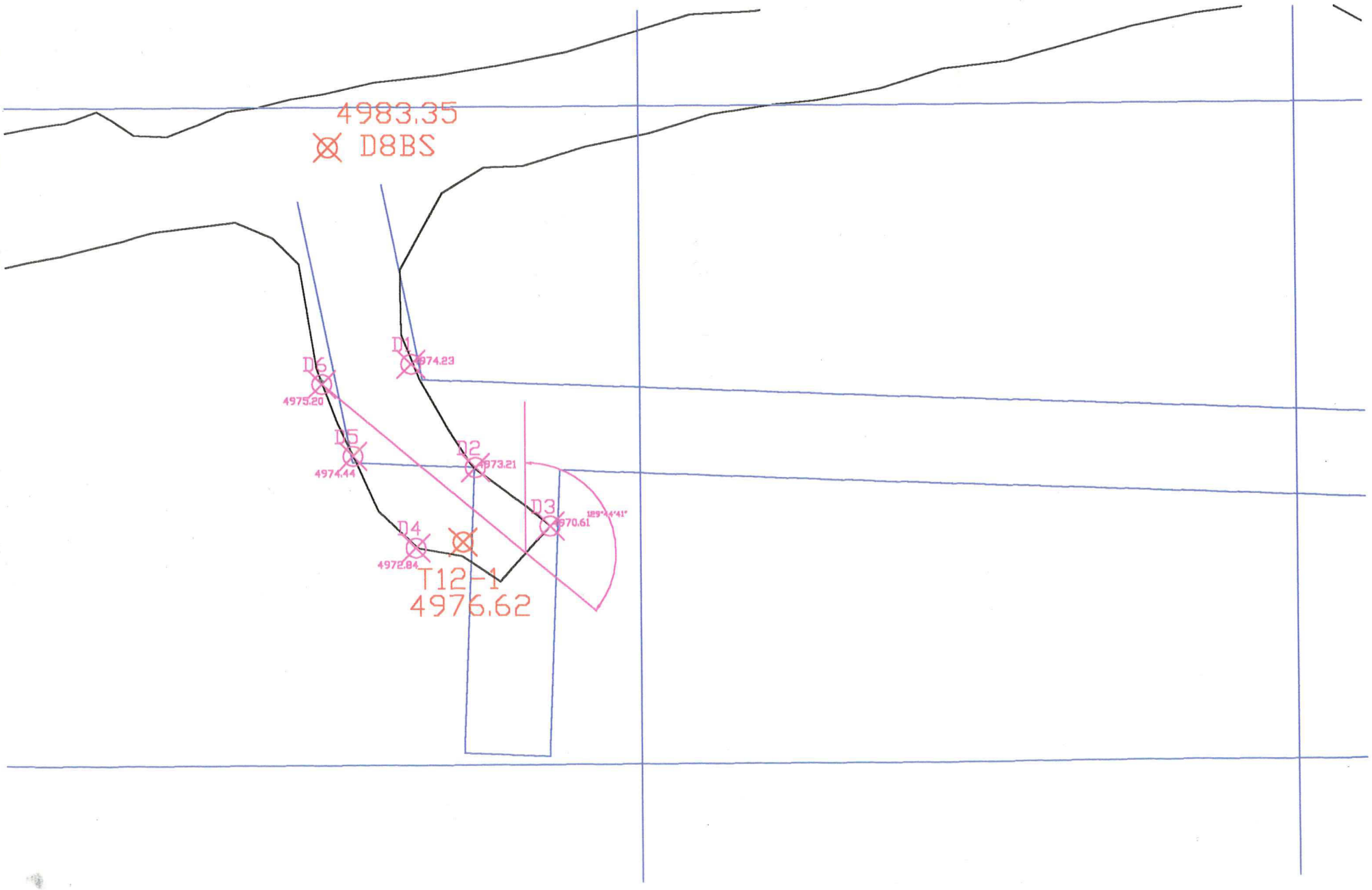
Point	Northing	Easting	Elevation	Description
1	2,203,651.6660	483,216.1010	4,754.28	A41-7FS
2	2,203,598.7200	483,231.1610	4,744.97	A41-6BS
3	2,203,630.9631	483,227.4831	4,752.58	41MBPT
5	2,203,634.9956	483,248.6607	4,743.46	MP1
6	2,203,648.1962	483,267.0575	4,744.93	MP2
7	2,203,661.1244	483,262.6866	4,745.94	MP3
8	2,203,648.8365	483,244.9688	4,744.66	MP4

Stope 41 Muck Bay - Drill Station

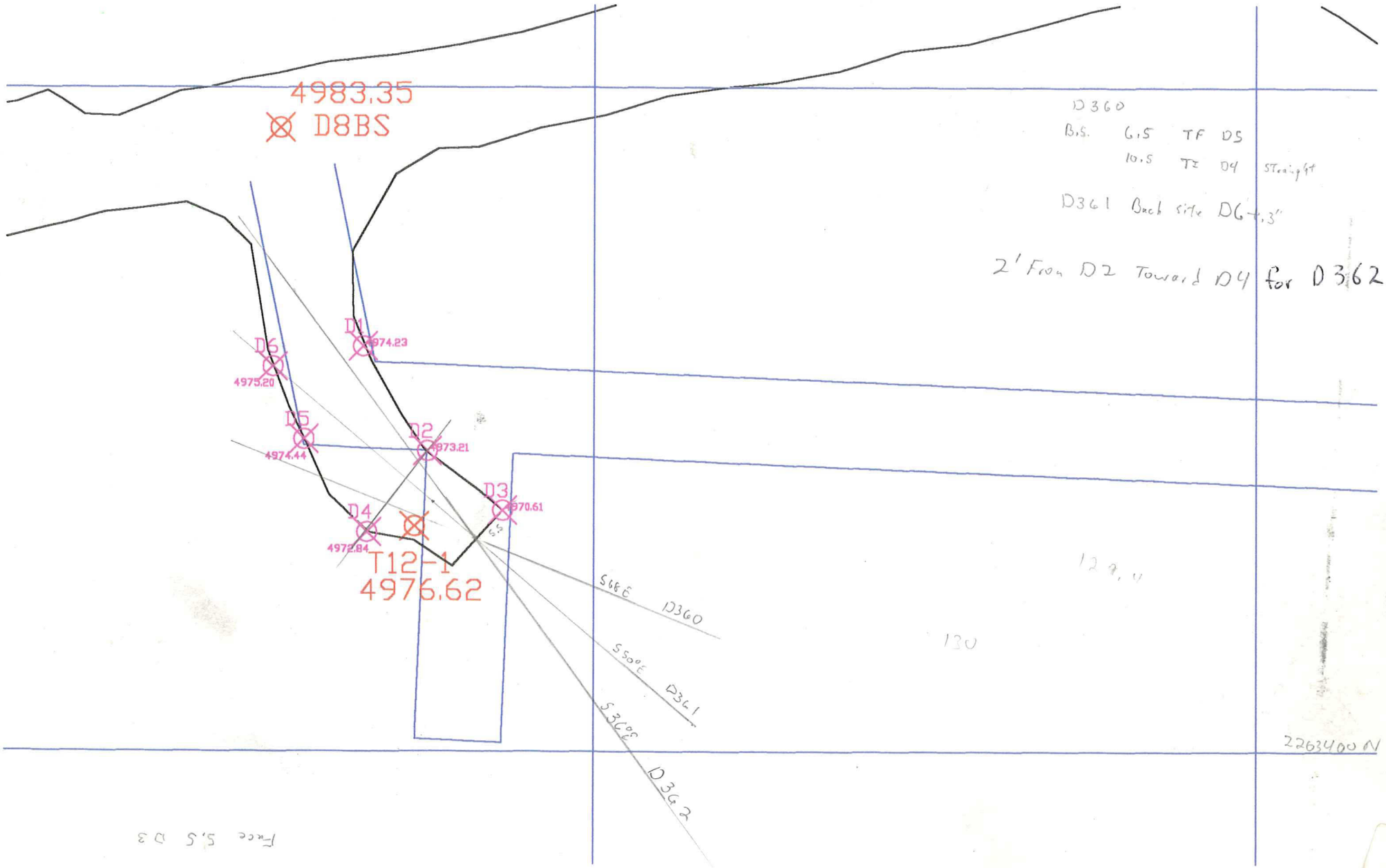
Survey Points.

NORTHD~1.CR5 04/19/99 09:08:38

Point	Northing	Easting	Elevation	Description
1	2,204,133.7429	482,074.1874	4,580.01	E15
59	2,204,558.3067	482,229.4089	4,327.17	D342
60	2,204,555.7280	482,223.5062	4,325.57	D343
61	2,204,458.0105	482,027.9071	4,323.04	D345
63	2,204,457.3760	482,028.1220	4,320.76	D346
64	2,204,429.1222	482,021.1211	4,326.26	D341
65	2,204,493.5368	481,724.9515	4,382.94	D340


4983.35
D8BS
D1
4974.23
D6
4975.20
D5
4974.44
D2
4973.21
D3
4970.61
189°44'41"
D4
4972.84
T12-1
4976.62

Face 5.5 From D3

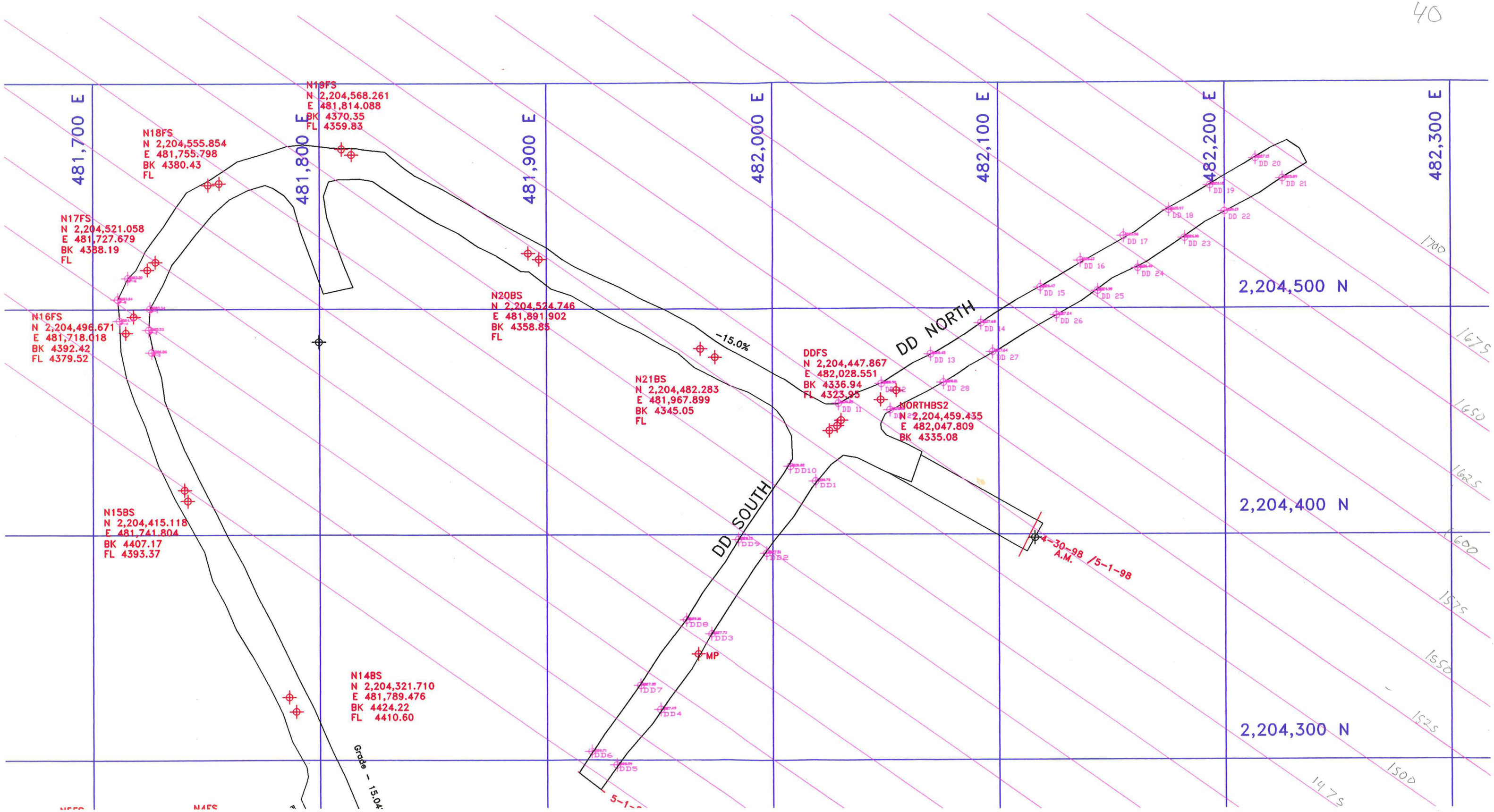


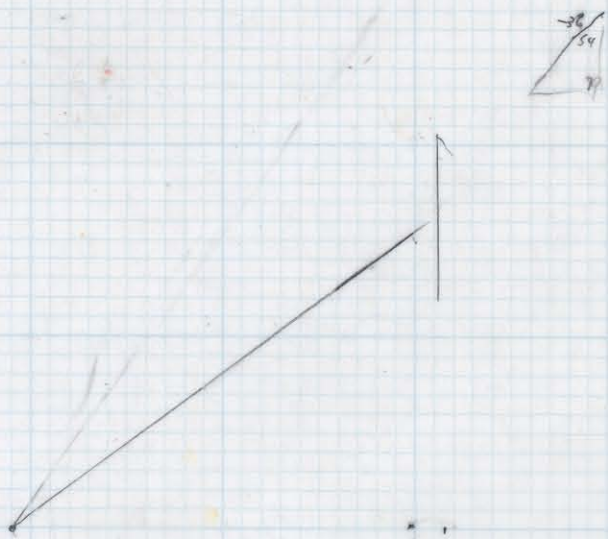
D360
B.S. 6.5 TF D5
10.5 TF D4 straight

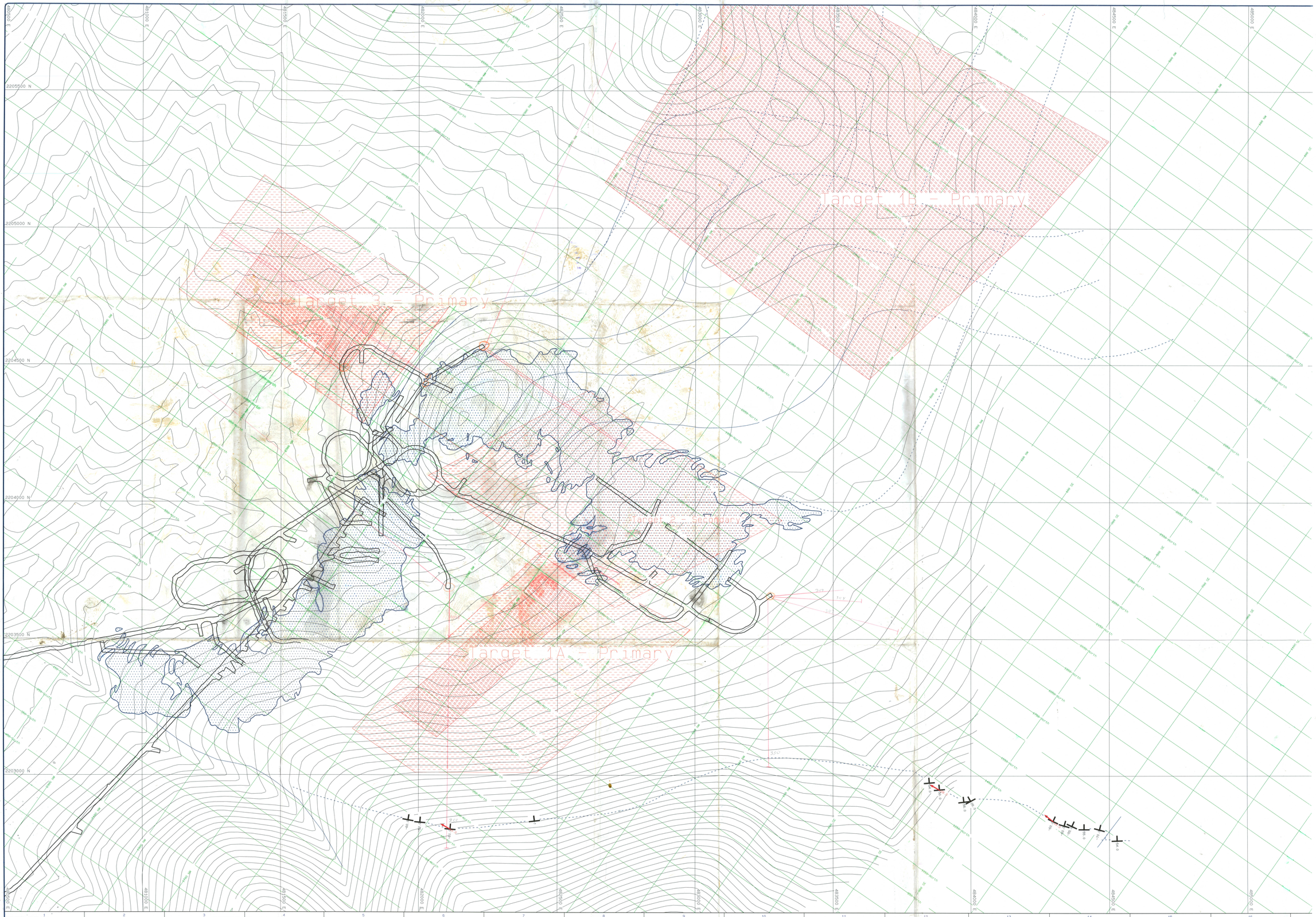
D361 Back site D6 +.3"

2' From D2 Toward D4 for D362

Face 5.5 D3


481,700 E
481,800 E
481,900 E
482,000 E
482,100 E
482,200 E
482,300 E
2,204,500 N
2,204,400 N
2,204,300 N
N19FS
N 2,204,568.261
E 481,814.088
BK 4370.35
FL 4359.83
N18FS
N 2,204,555.854
E 481,755.798
BK 4380.43
FL
N17FS
N 2,204,521.058
E 481,727.679
BK 4388.19
FL
N16FS
N 2,204,496.671
E 481,718.018
BK 4392.42
FL 4379.52
N15BS
N 2,204,415.118
E 481,741.804
BK 4407.17
FL 4393.37
N14BS
N 2,204,321.710
E 481,789.476
BK 4424.22
FL 4410.60
N20BS
N 2,204,524.746
E 481,891.902
BK 4358.85
FL
N21BS
N 2,204,482.283
E 481,967.899
BK 4345.05
FL
DDFS
N 2,204,447.867
E 482,028.551
BK 4336.94
FL 4323.95
NORTHBS2
N 2,204,459.435
E 482,047.809
BK 4335.08
-15.0%
DD NORTH
DD SOUTH
MP
4-30-98 /5-1-98
A.M.
Grade - 15.0%
1700
1675
1650
1625
1600
1575
1550
1525
1500
1475


36
54
70



DATE	DESCRIPTION	BY	APP'D	APP'D
REVISION				

DATE	DESCRIPTION	BY	APP'D	APP'D
REVISION				

REFERENCE

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APPROVALS

DATE
DATE
DATE
DATE

0 100 200 300 400 500

ENGINEER
DRAWN BY mjb
CHECKED BY
APPROVED BY
APPROVED BY
DATE 11-Feb-99
SCALE 1"= 100'

Surface Location Map

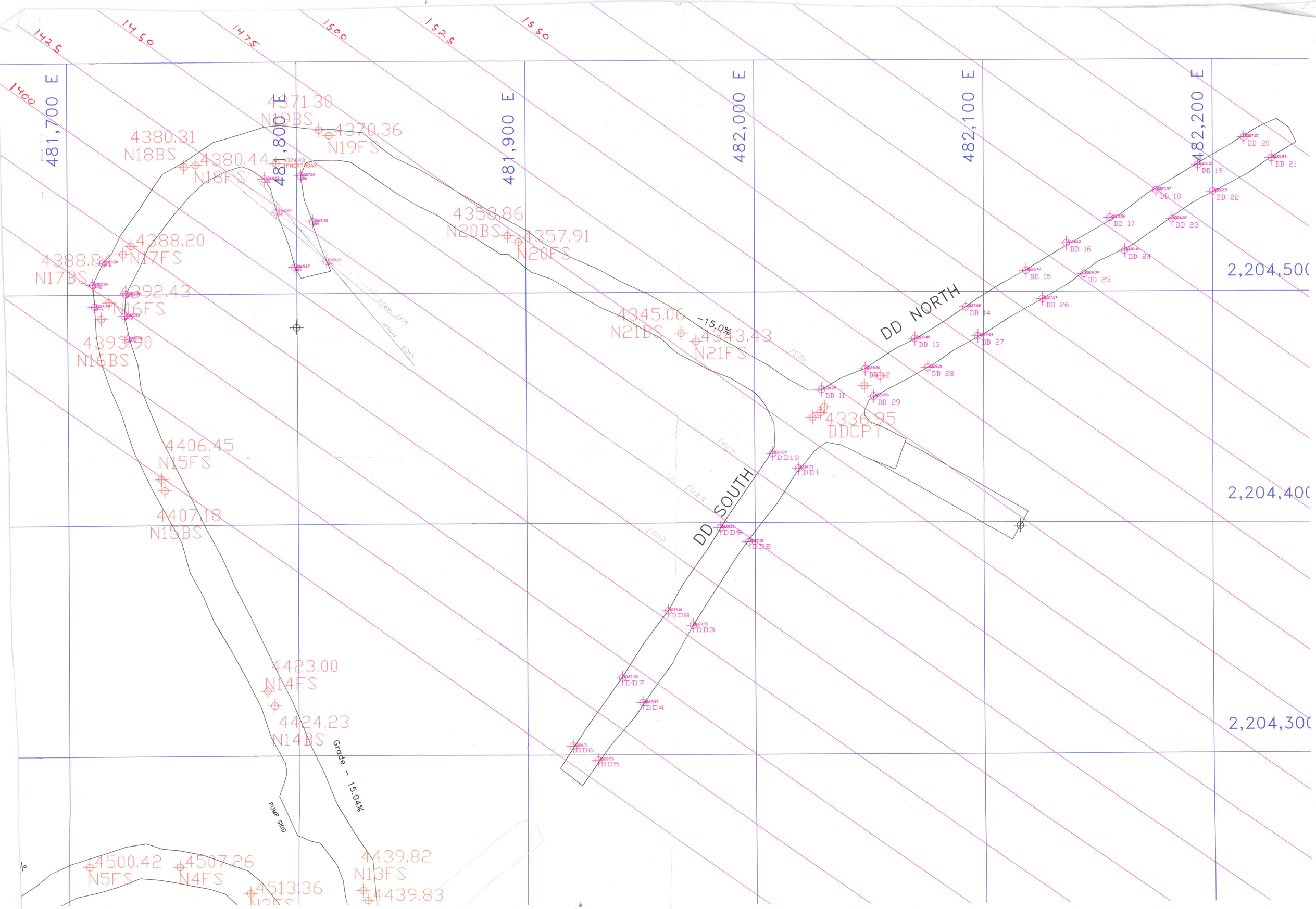
Targets

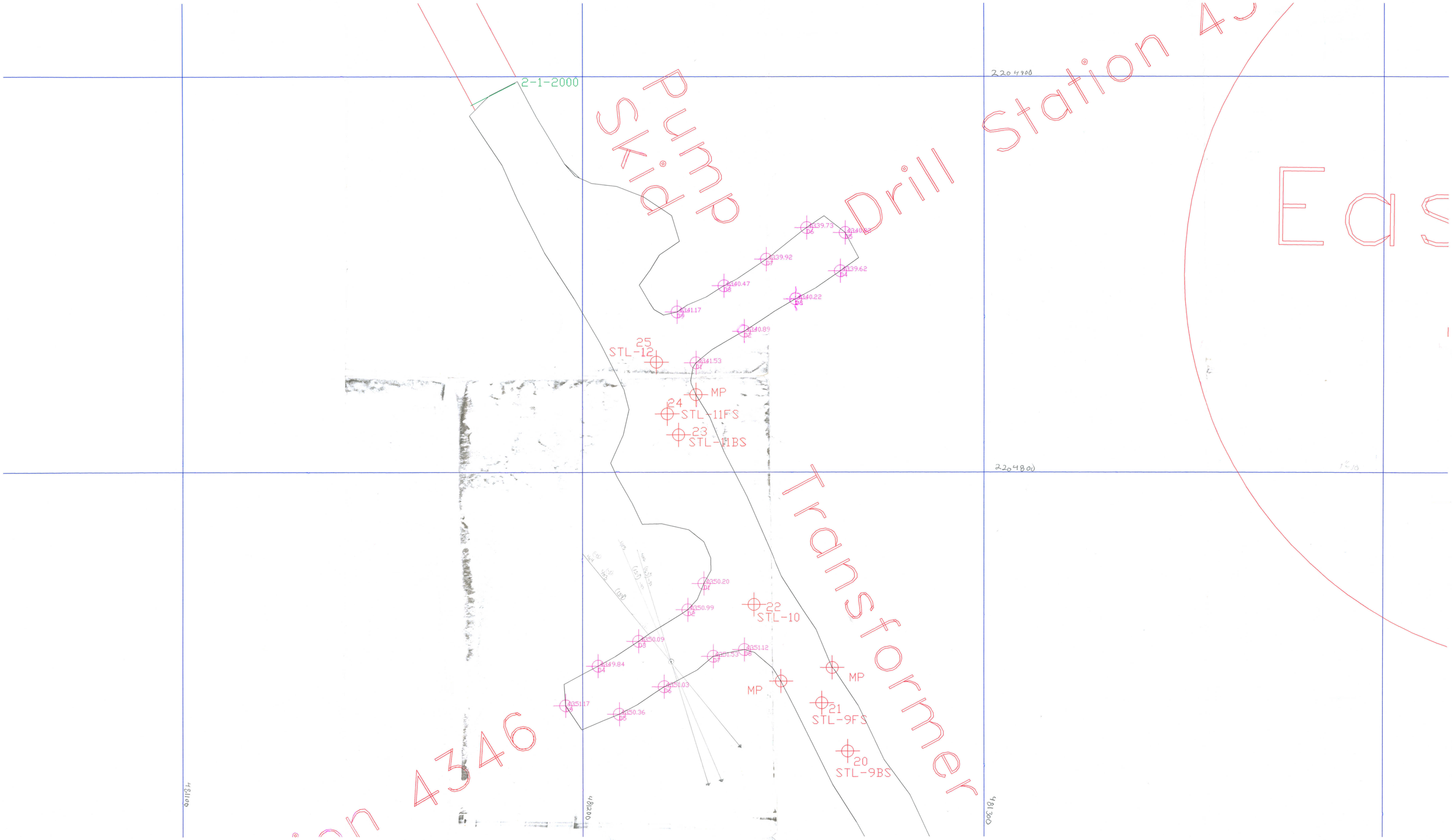
Hecla
MINING COMPANY
Rosebud Mine

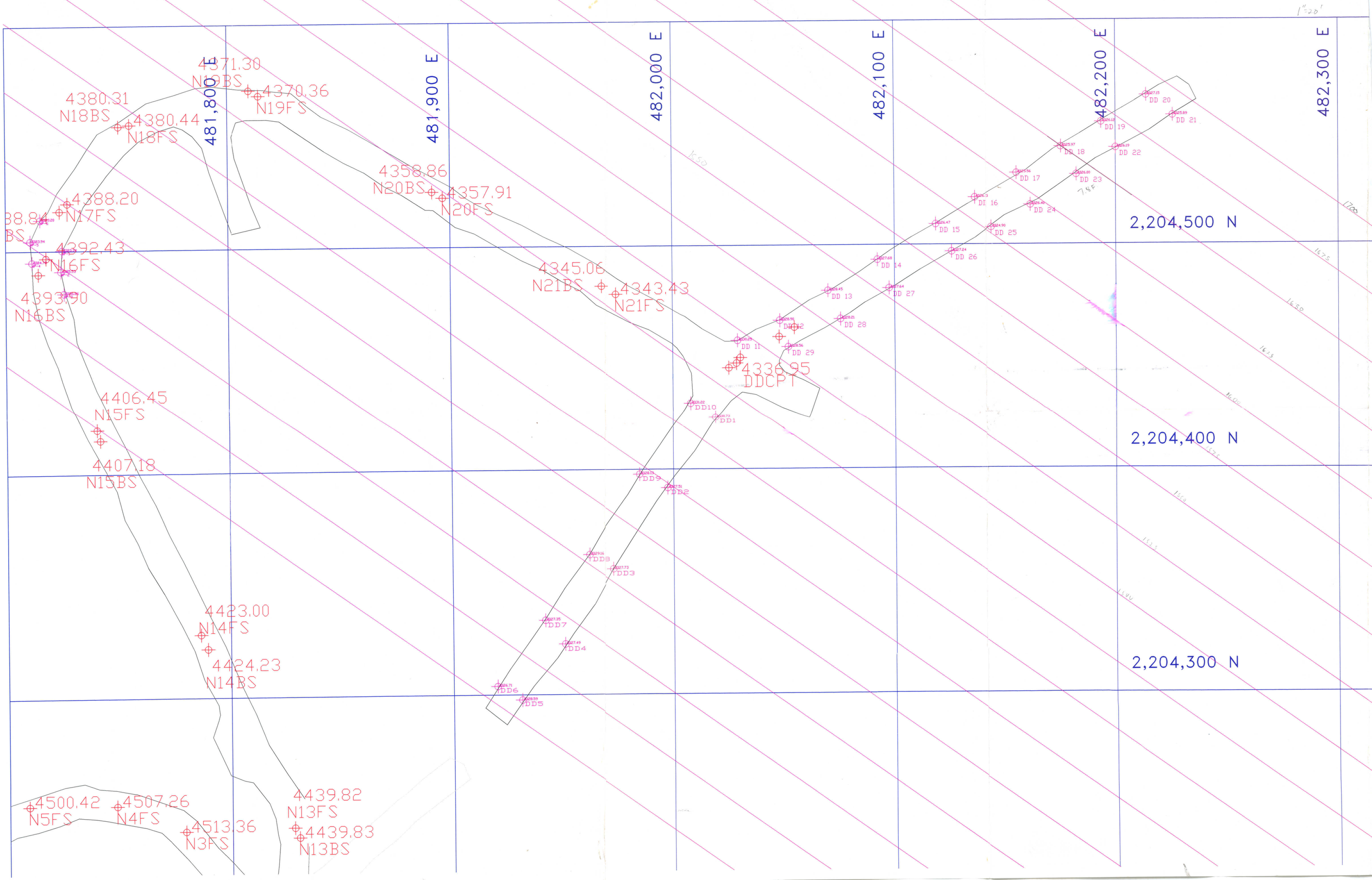
REVI
DRAW

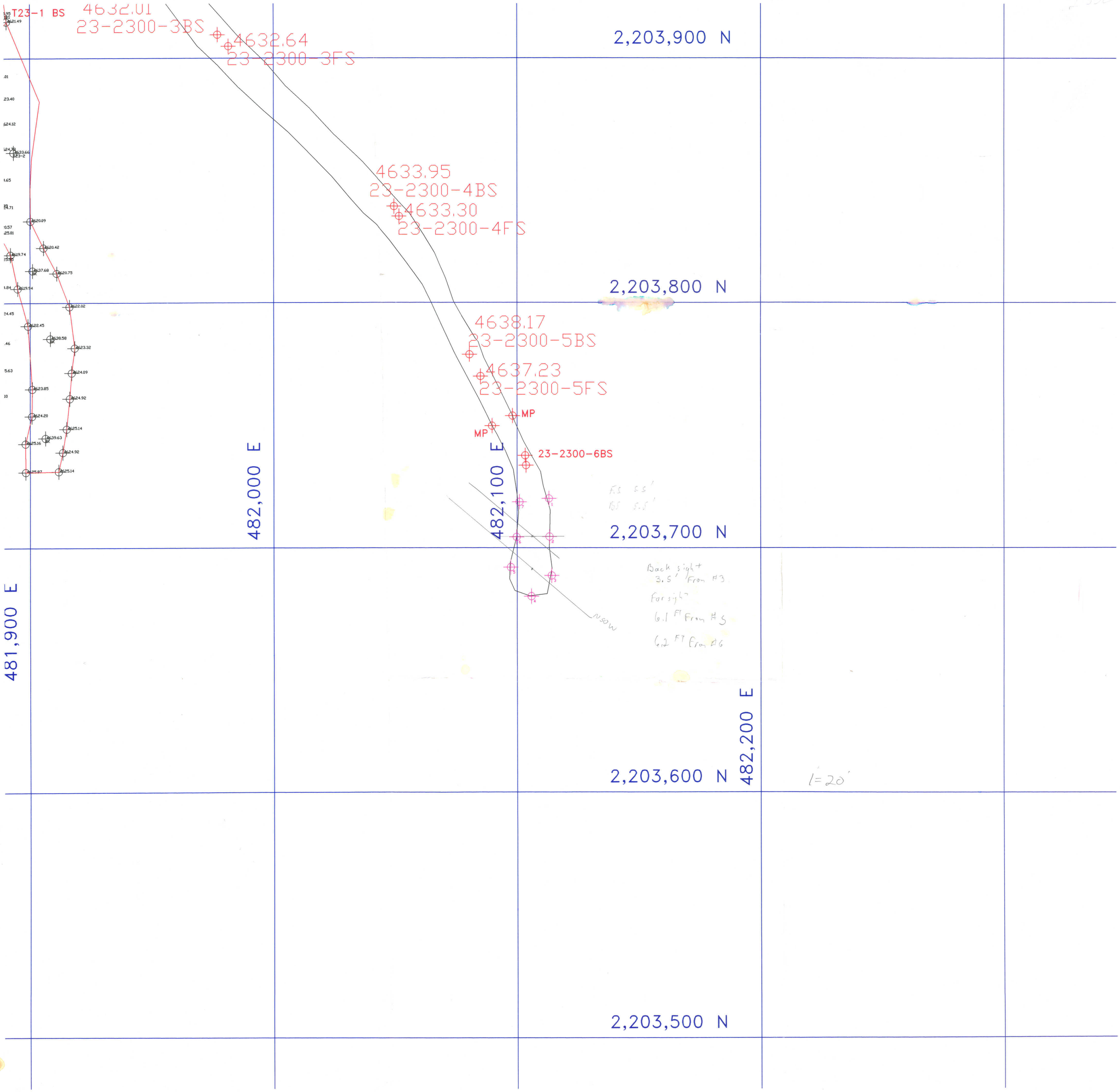
explorer.pl

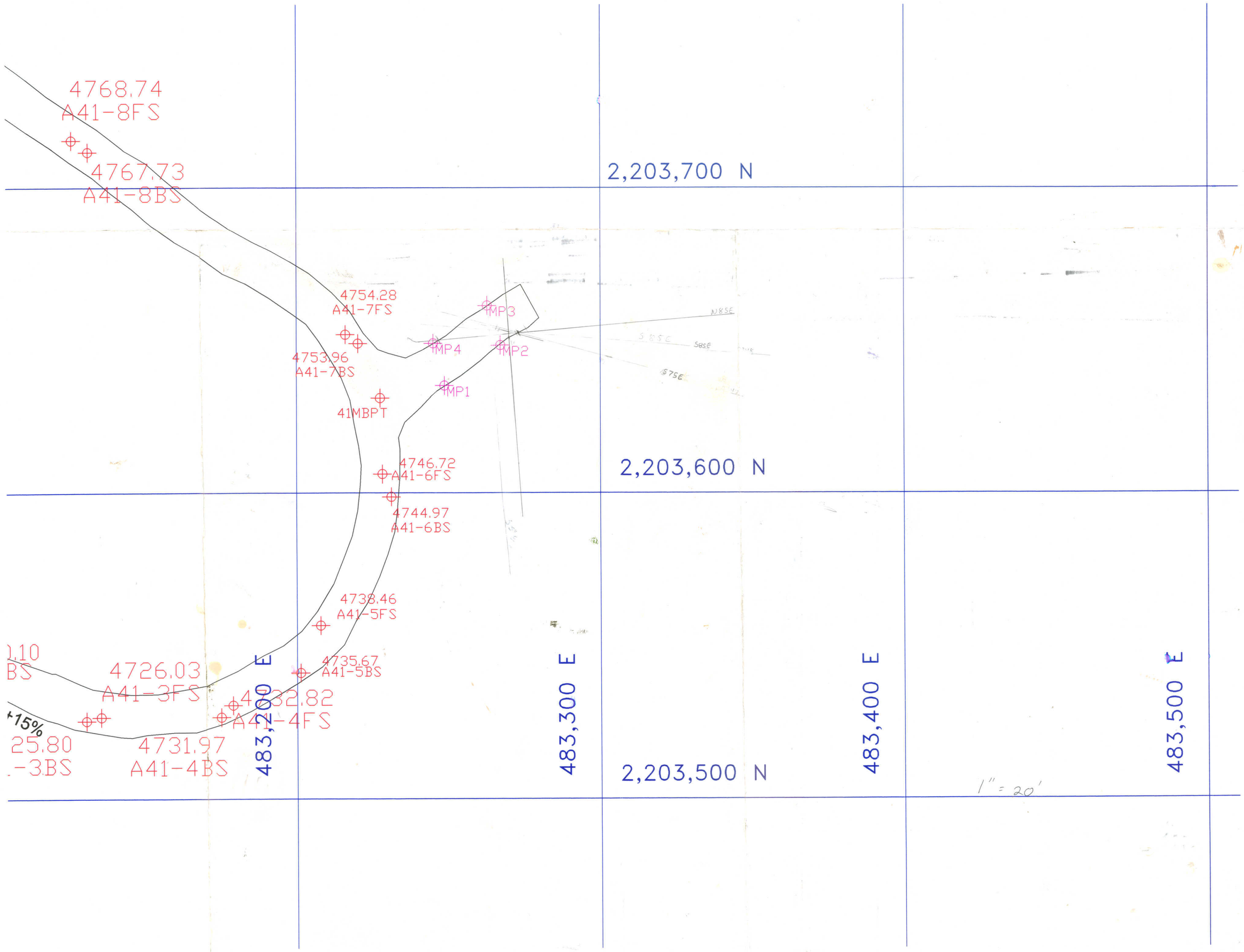
SURPAC2000 - HECLA MINING CO., ROSEBUD MINE, WINNEMUCCA, NV.

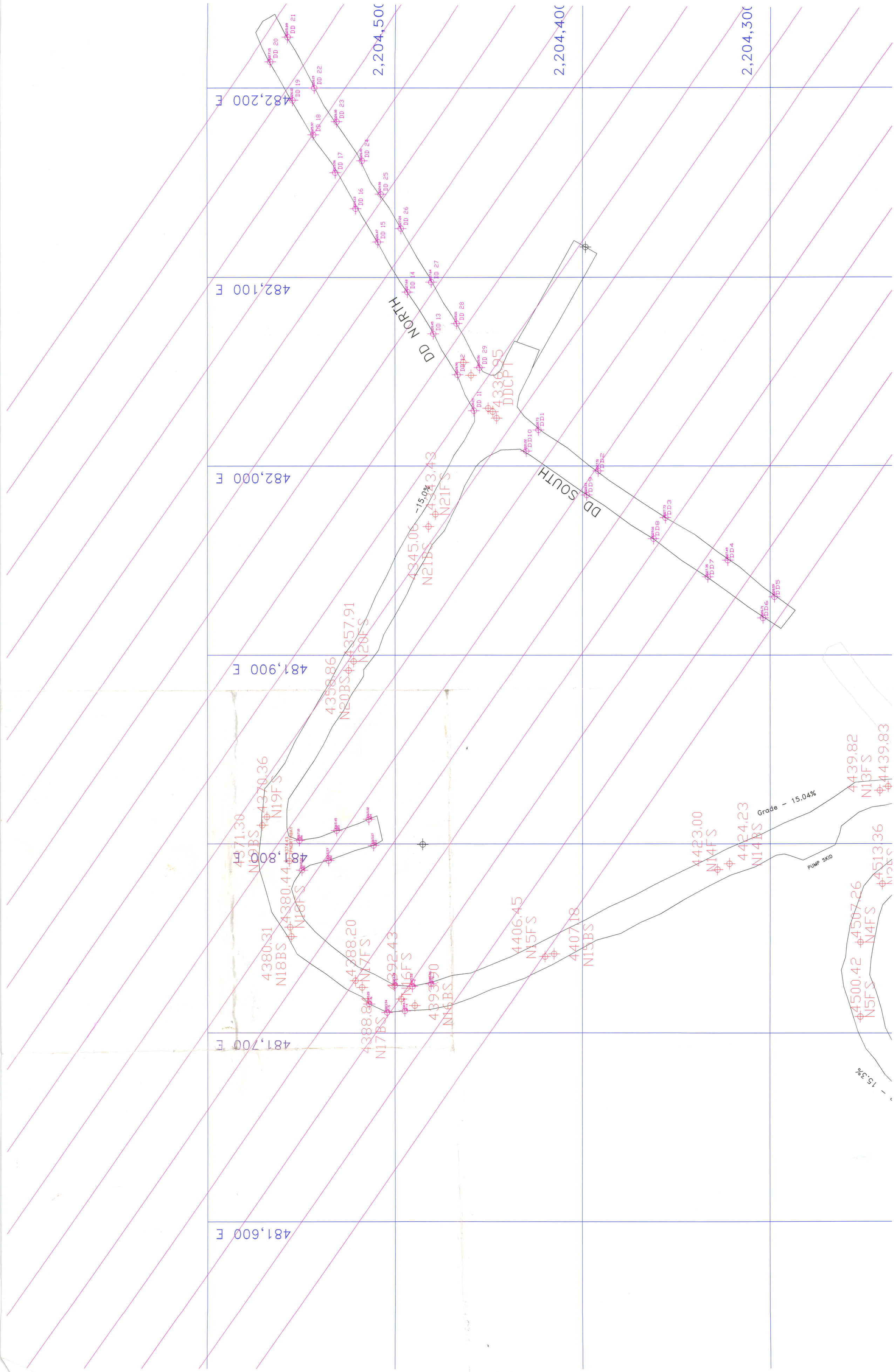

1425
1450
1475
1500
1525
1550
1400
481,700 E
481,800 E
481,900 E
482,000 E
482,100 E
482,200 E
2,204,500
2,204,400
2,204,300
4371.30
N19BS
4370.36
N19FS
4380.31
N18BS
4380.44
N18FS
4388.20
N17FS
4388.81
N17BS
4392.43
N16FS
4393.90
N16BS
4358.86
N20BS
4357.91
N20FS
4345.06
N21BS
4343.43
N21FS
-15.0%
DD NORTH
DD SOUTH
4336.95
DDCPT
4406.45
N15FS
4407.18
N15BS
4423.00
N14FS
4424.23
N14BS
Grade - 15.04%
PUMP SKID
4500.42
N5FS
4507.26
N4FS
4513.36
4439.82
N13FS
4439.83
DD 1
DD 2
DD 3
DD 4
DD 5
DD 6
DD 7
DD 8
DD 9
DD 10
DD 11
DD 12
DD 13
DD 14
DD 15
DD 16
DD 17
DD 18
DD 19
DD 20
DD 21
DD 22
DD 23
DD 24
DD 25
DD 26
DD 27
DD 28
DD 29

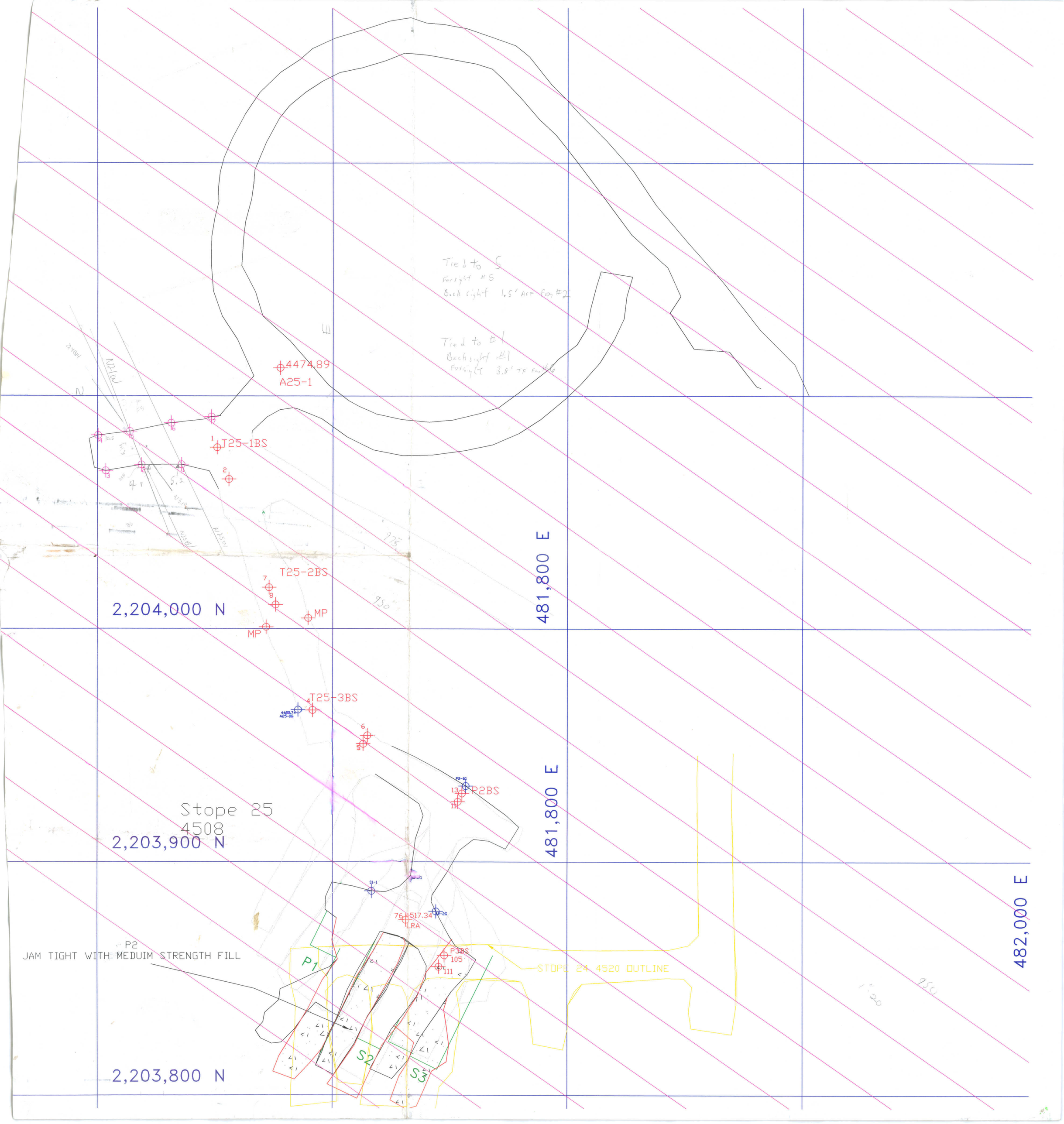

2-1-2000
Pump Skid
Drill Station 4
Eas
2204900
2204800
4981100
4981000
4981000
Transformer
Station 4346
STL-12
25
MP
24
STL-11FS
23
STL-11BS
22
STL-10
MP
MP
21
STL-9FS
20
STL-9BS

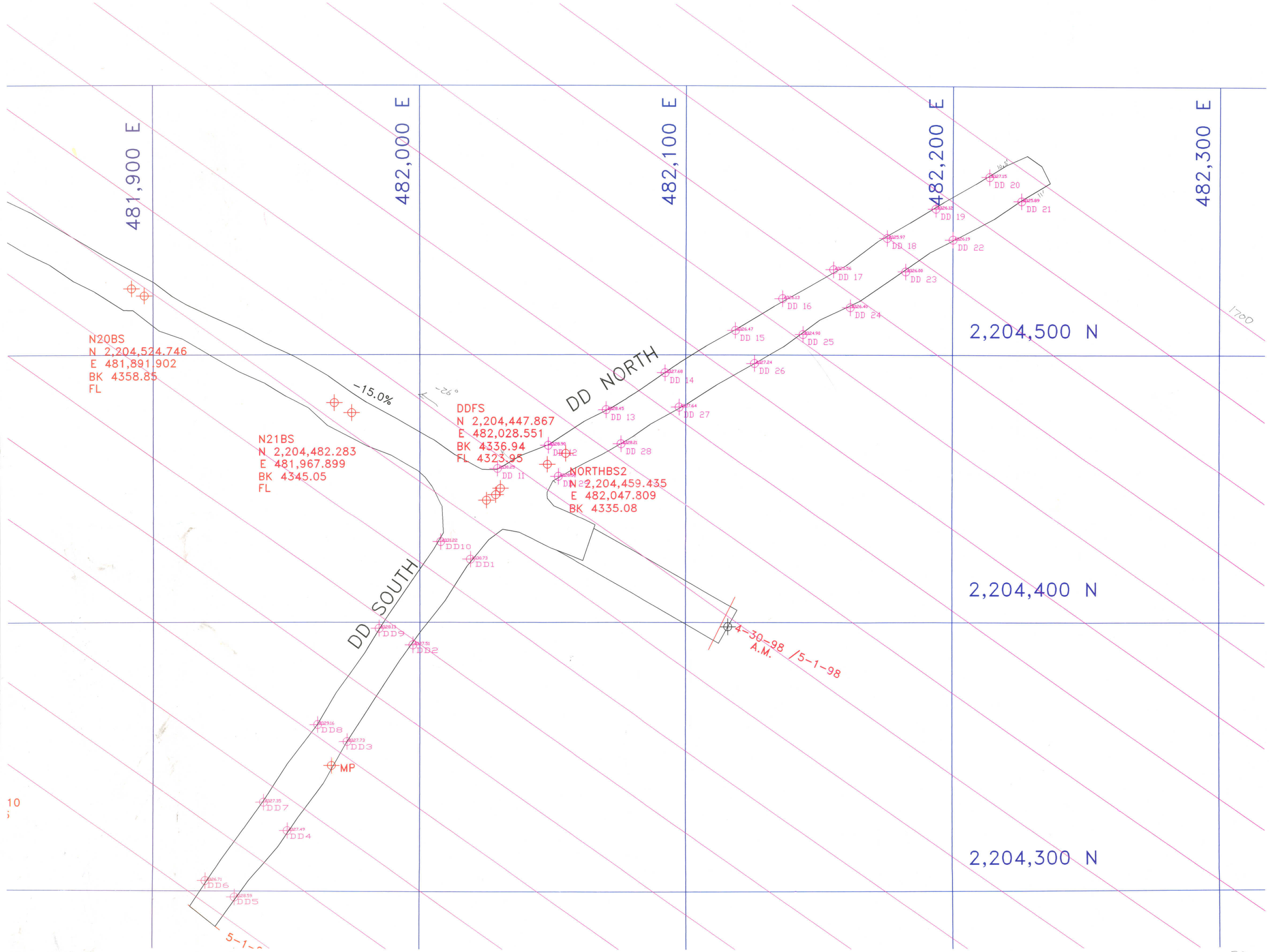

1"=20'
481,800 E
481,900 E
482,000 E
482,100 E
482,200 E
482,300 E
2,204,500 N
2,204,400 N
2,204,300 N
4371.30
N19BS
4370.36
N19FS
4380.31
N18BS
4380.44
N18FS
4358.86
N20BS
4357.91
N20FS
4388.20
N17FS
4392.43
N16FS
4393.90
N16BS
4345.06
N21BS
4343.43
N21FS
4336.95
DDCPT
4406.45
N15FS
4407.18
N15BS
4423.00
N14FS
4424.23
N14BS
4500.42
N5FS
4507.26
N4FS
4513.36
N3FS
4439.82
N13FS
4439.83
N13BS
DD 11
DD 12
DD 13
DD 14
DD 15
DD 16
DD 17
DD 18
DD 19
DD 20
DD 21
DD 22
DD 23
DD 24
DD 25
DD 26
DD 27
DD 28
DD 29
DD10
DD1
DD9
DD2
DD8
DD3
DD7
DD4
DD6
DD5
7.8E


T23-1 BS
4632.01
23-2300-3BS
4632.64
23-2300-3FS
2,203,900 N
4633.95
23-2300-4BS
4633.30
23-2300-4FS
2,203,800 N
4638.17
23-2300-5BS
4637.23
23-2300-5FS
MP
MP
23-2300-6BS
482,000 E
482,100 E
2,203,700 N
Back sight
3.5' From #3
Forsight
6.1 FT From #5
6.2 FT From #6
481,900 E
482,200 E
2,203,600 N
1=20'
2,203,500 N


4768.74
A41-8FS
4767.73
A41-8BS
2,203,700 N
4754.28
A41-7FS
IMP3
N85E
S85E
S85E
S75E
IMP4
IMP2
4753.96
A41-7BS
IMP1
41MBPT
4746.72
A41-6FS
2,203,600 N
4744.97
A41-6BS
4738.46
A41-5FS
4735.67
A41-5BS
4726.03
A41-3FS
4732.82
A41-4FS
4731.97
A41-4BS
+15%
483,200 E
483,300 E
483,400 E
483,500 E
2,203,500 N
1" = 20'


2,204,500
2,204,400
2,204,300
482,200 E
482,100 E
482,000 E
481,900 E
481,800 E
481,700 E
481,600 E
DD NORTH
DD SOUTH
DDCPT
-15.0%
Grade - 15.04%
PUMP SKID
-15.3%
4358.86
N20BS
4357.91
N20FS
4345.06
N21BS
4343.43
N21FS
4371.30
N19BS
4370.36
N19FS
4380.31
N18BS
4380.44
N18FS
4388.20
N17FS
4388.84
N17BS
4392.43
N16FS
4393.90
N16BS
4406.45
N15FS
4407.18
N15BS
4423.00
N14FS
4424.23
N14BS
4439.82
N13FS
4439.83
4500.42
N5FS
4507.26
N4FS
4513.36


Tied to 5
Foresight #5
Back sight 1.5' AFF from #2
Tied to #1
Backsight #1
Foresight 3.8' TF from #5
4474.89
A25-1
J25-1BS
T25-2BS
MP
MP
T25-3BS
P2BS
Stope 25
4508
2,204,000 N
2,203,900 N
2,203,800 N
481,800 E
481,800 E
482,000 E
P2
JAM TIGHT WITH MEDUIM STRENGTH FILL
P1
S2
S3
P3BS
105
111
LRA
STOPE 24 4520 OUTLINE


481,900 E
482,000 E
482,100 E
482,200 E
482,300 E
2,204,500 N
2,204,400 N
2,204,300 N
N20BS
N 2,204,524.746
E 481,891.902
BK 4358.85
FL
N21BS
N 2,204,482.283
E 481,967.899
BK 4345.05
FL
DDFS
N 2,204,447.867
E 482,028.551
BK 4336.94
FL 4323.95
NORTHBS2
N 2,204,459.435
E 482,047.809
BK 4335.08
-15.0%
-92°
DD NORTH
DD SOUTH
DD 1
DD 2
DD 3
DD 4
DD 5
DD 6
DD 7
DD 8
DD 9
DD 10
DD 11
DD 12
DD 13
DD 14
DD 15
DD 16
DD 17
DD 18
DD 19
DD 20
DD 21
DD 22
DD 23
DD 24
DD 25
DD 26
DD 27
DD 28
MP
4-30-98 /5-1-98
A.M.
1700

20

481,900 E
482,000 E
482,100 E
482,200 E
2,204,500 N
2,204,400 N
2,204,300 N

N20BS
N 2,204,524.112
E 481,892.247
BK 4361.35
FL

N21BS
N 2,204,481.732
E 481,968.176
BK 4347.56
FL

DDFS
N 2,204,447.392
E 482,028.755
BK 4339.46
FL 4323.95

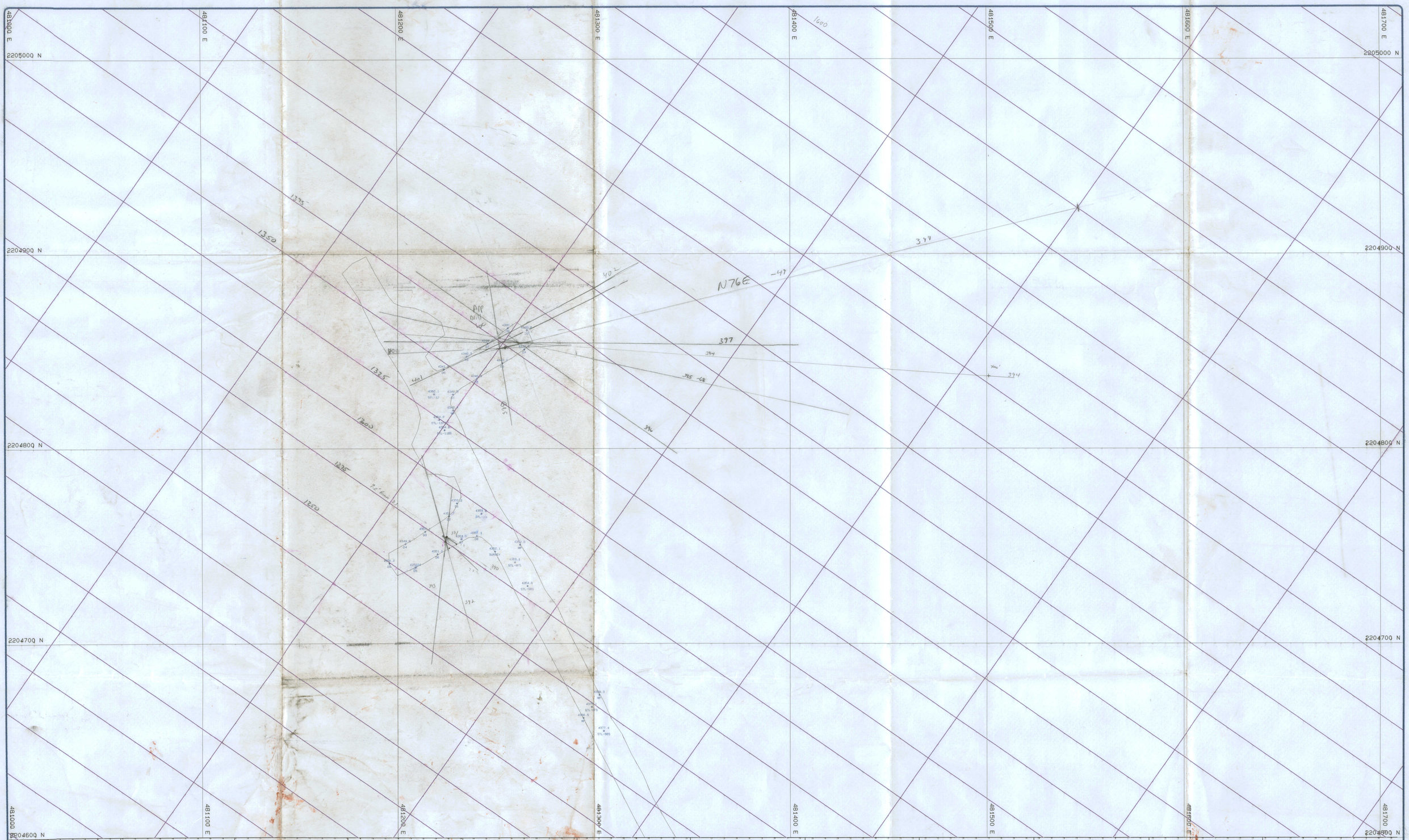
MP
MP
MP
NORTH BS
SOUTH BS

DD 1
DD 2
DD 3
DD 4
DD 5
DD 6
DD 7
DD 8
DD 9
DD 10
DD 12
DD 13
DD 14
DD 15
DD 16
DD 17
DD 18
DD 19
DD 20
DD 21
DD 22
DD 23
DD 24
DD 25
DD 26
DD 27
DD 28
DD 29

5-1-98 A.M.
5-6-98 P.M.
5-5-98 A.M.
5-1-98 A.M.
4-30-98 A.M. / 5-1-98
5-1-98 A.M.

1700
1675
1650
1625
1600
1575
1550
1525
1500
1475
1450

237.092
50.662


481000 E
481100 E
481200 E
481300 E
481400 E
481500 E
481600 E
481700 E
2205000 N
2204900 N
2204800 N
2204700 N
2204600 N
1600
1375
1350
1325
1300
1275
1250
N76E
377
379
394
395
396
397
401
402
-47
-68
-54
-70
-37
-33
-37
-37
-37