

SURVEY OPERATIONS

END OF CONTRACT REPORT

OS00A SEISMIC SURVEY

SANTOS LIMITED

VICTORIA

SURVEY OPERATIONS
END OF CONTRACT REPORT

for

SANTOS LIMITED

OS00A SEISMIC SURVEY

PEP 132

FEBRUARY / MARCH 2000

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1.0 INTRODUCTION

The OS00A Seismic Survey was carried out by Schlumberger Reservoir Evaluation Seismic (Schlumberger R.E.S.) for Santos Limited (hereafter referred to as Santos). The survey took place in Santos' exploration licence PEP 132. This licence is located approximately 40km east of Warrnambool, Victoria. This licence is part of the Otway Basin. The small township of Curdie vale lay in the eastern central part of the prospect. The Curdies River flowed through this same area.

This report covers the involvement of Schlumberger R.E.S. Crew 1161 survey crew in the aforementioned survey. The survey consisted of one 3D seismic survey – Curdier Vale 3D. Line ranging commenced on 8th February 2000 and was completed on the 29th February 2000. The survey line fieldwork commenced on 11th February 2000 and was completed on 8th March 2000.

An advance survey crew consisting of Eric Amedee and Craig Stolz was mobilized from the Cooper Basin (South Australia) and Brisbane respectively on 2nd and 3rd February. They attended a meeting with Santos in Adelaide on Friday 4th February to discuss operational and environmental issues relevant to the Curdier Vale 3D. They arrived at Curdier Vale on Saturday 5th February. After setting up the survey office at Curdier Vale they completed a control survey based on Flaxmans Hill trig station. A GPS base station was set up on a hill close to the survey office and the range from this station covered the whole prospect. The design for the survey was then finalised and ranging commenced at the northern end of the prospect.

The remainder of the survey crew mobilized from the Cooper Basin on 8th February and arrived at Curdier Vale on 10th February.

After the initial start up period of the survey, the make up of the survey crew changed to:

- a surveyor in charge who organized survey operations, liaised with the client representative;
- an office surveyor who processed field data and organised survey crew logistics;
- four line surveyors who chained and surveyed the lines;
- four GPS operators who assisted the surveyors with line surveying, backpacking, painting and numbering of pegs, and survey logistics.

The survey work was accomplished using various GPS (Global Positioning System) methods and conventional levelling methods. A GPS backpacking crew was used to flag through areas of native vegetation and to survey drilling locations near the Curdies River and in Fenwicks Reserve.

2.0 LINE SUMMARY

The station interval for all 3D lines was 40.0m. The following list contains details of the individual lines completed during the Curdie Vale 3D Seismic Survey.

3D Receiver lines:

Line	Start	End	Distance	Total km
OS00A-100	580	683	4.12	4.12
OS00A-108	572	683	4.44	4.44
OS00A-116	564	747	7.32	7.32
OS00A-124	548	747	7.96	7.96
OS00A-132	532	747	8.6	8.60
OS00A-140	524	747	8.92	8.92
OS00A-148	508	747	9.56	9.56
OS00A-156 / 188	500	747	9.88	49.40
OS00A-196 / 220	500	739	9.56	38.24
OS00A-228	540	739	7.96	7.96
OS00A-236 / 268	540	707	6.68	33.40
OS00A-276 / 332	540	691	6.04	48.32
OS00A-340 / 380	540	675	5.40	32.40
OS00A-388 / 412	620	675	2.20	8.80

The total for receiver lines was 269.44km.

3D Source Lines:

Line	Start	End	Distance	Total km
OS00A-500	156	219	2.52	2.52
OS00A-508 / 516	148	219	2.84	5.68
OS00A-524	140	219	3.16	3.16
OS00A-532	132	219	3.48	3.48
OS00A-540	132	379	9.88	9.88
OS00A-548 / 556	124	379	10.20	20.40
OS00A-564	116	379	10.52	10.52
OS00A-572	108	379	10.84	10.84
OS00A-580 / 612	100	379	11.16	55.80
OS00A-620 / 676	100	411	12.44	99.52
OS00A-684	100	331	9.24	9.24
OS00A-692	116	331	8.60	8.60
OS00A-700 / 708	116	267	6.04	12.08
OS00A-716 / 740	116	227	4.44	17.76
OS00A-748	116	187	2.84	2.84

The total for source lines was 272.32km.

The total line surveyed during the Curdie Vale 3D Seismic Survey was 541.76km.

2.0 PERSONNEL AND EQUIPMENT

2.1 PERSONNEL

The Schlumberger R.E.S. survey crew consisted of up to ten persons at any one time made up of one senior surveyor, one office surveyor, four line surveyors, and four GPS operators. The following is a list of personnel utilised during the survey:

Name	Duties
Eric Amedee	Senior Surveyor / Ranging / Computations
Craig Stolz	Senior Surveyor / Ranging / Computations
Ben Zillman	Survey / Ranging / Computations
Neil Harvey	Survey
John Flitcroft	Survey
Rob Mills	Survey
Dave Black	Survey
Darren Naumann	Survey
Ian Johnston	Survey
Scott Townsend	Survey
Rod Van Den Bosch	Survey
Haydn Kreichbergs	Survey
Bernie Devlin	Ranging

2.2 EQUIPMENT

The following equipment was used during the survey:

Survey / Ranging	5 Toyota Landcruiser utes 1 Toyota Hilux twin cab 1 Toyota Landcruiser wagon 5 4000 GPS receivers 2 4400 GPS receivers 1 4700 GPS receiver 4 TCS1 Survey controllers 2 TDC1 Data collectors 10 GPS radio/modems 2 HF radios 1 VHF crew radio per vehicle 1 UHF radio per vehicle 3 Handheld VHF radios 1 Handheld UHF radio 1 Dell Desktop computer 1 Toshiba 440 CDX Notebook computer 1 Sharp AL-1000 photocopier 1 Epson Stylus Colour 1520 printer Trimble Processing software Schlumberger R.E.S. processing software Survey consumables
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3.0 SURVEYING METHODS

3.1 SURVEY DATUMS

GPS field survey data was collected in World Geodetic System 1984 (WGS84) datum. It was then down loaded into Trimble Navigation's Trimble Survey Office software for conversion to Australian datum. WGS84 coordinates were converted to the Australian Geodetic Datum 1966 (AGD66) and output in Australian Map Grid Zone 54 coordinates. Ellipsoidal heights were converted to the Australian Height Datum (AHD) using the OSU91A geoid separation model.

The following parameters define the World Geodetic System 1984 datum:

Datum	World Geodetic System 1984
Spheroid	WGS84
Semi-Major Axis	6 378 137.0
Inverse Flattening	298.257
Unit of Measure	International Metre

The following parameters define the Australian Geodetic Datum 1966:

Datum	Australian Geodetic Datum 1966
Spheroid	Australian National Spheroid
Semi-Major Axis	6 378 160.0
Inverse Flattening	298.25
Unit of Measure	International Metre

The following are the parameters used in the seven parameter transformation which was used to convert survey data from WGS84 to AGD66:

Translations :	ΔX : 119.353m	ΔY : 48.301m	ΔZ : -139.484m
Rotations :	ϕx : 0.415"	ϕy : 0.260"	ϕz : 0.437"
Scale :	s : 0.6130ppm		

The following parameters define the Australian Map Grid Zone 54:

Projection :	AMG Zone 54
Latitude of origin :	0°
Central Meridian (CM) :	141° E
Scale Factor at CM :	0.9996
False Easting :	500 000
False Northing :	10 000 000
Unit of Measure :	International Metre

3.2 SURVEY METHODS

The 'Real time' kinematic (RTK) GPS surveying method was used for line surveying and the static GPS method for the control survey during the OS00A Seismic Survey.

The **RTK** method uses a radio and modem connected to a GPS receiver on a known base point. The base radio broadcasts a data package consisting of raw GPS data measured at the base and the base position directly to a radio and modem connected to a roving GPS receiver. Thus the roving receiver can calculate it's own position to within a few centimetres, eliminating time-consuming post-processing. Position data in WGS 84 format was collected in a Trimble TSC1 data collector and down loaded into Trimble Survey Office software where datum transformations and geoid separations were applied. The converted data was then exported to a text file for editing and QC checking.

The **static** GPS method involves setting up a receiver to log data on a known point then logging data on unknown points with a roving receiver for periods upwards of 15 minutes depending on the length of the baseline. This enables the change in geometry of the satellite positions to be measured. Once this data has been post-processed an accurate position can be determined.

For the Curdie Vale 3D survey the static method was used for establishing control and surveying new base positions. The survey crew used RTK for most line surveying. Some sections of line through native vegetation were positioned using differential GPS (DGPS) and levelled using a total station.

3.3 CHAINING METHODS

All lines on the OS00A survey were chained using the RTK survey/chaining method. RTK survey/chaining involved using the navigation software in the TSC1 survey controllers to guide the operator to the programmed station position and then record the point position using the RTK GPS surveying method. The TSC1 display showed the bearing and distance to the point as well as the delta easting and delta northing. This allowed the operator to check that he was within the staking out tolerances before he logged the point.

Six digit station numbers were used – the first three being the line name and the last three the station number. This system was used rather than eight digit numbers because it made operations in the recorder easier. On the receiver lines a numbered blue peg marked every fourth station. The other stations were marked with a blank blue peg. On the source lines every station was marked with a numbered white peg. Offset source points were marked with a white peg with the offset station number and offset distance and direction written on. All pegs were removed at the completion of the survey.

3.4 SURVEY CONTROL

The datum for the survey was Flaxmans Hill Trig. Station. Prior to commencing line preparation a control survey was done to establish a GPS base station for the survey. GPS base station CV1 was established on a hill close to the survey office house. This station was part of the control survey.

The Australian Map Grid coordinates and AHD height for FLAXMANS HILL are -

Station	East	North	Elevation	Remarks
FLAXMANS HILL	652309.188	5732603.399	75.646	PM1 Trig. Stn

Ties to other Permanent Markers are listed below:

Station	ΔE	ΔN	$\Delta Elev.$	Old Line
NULLA EAST	0.0	-0.2	0.0	PM57
PM532+18	0.0	-0.1	0.0	NR93-04
PM619+14	0.0	0.0	-0.5	NR93-10
PM319+3	-0.1	-0.4	0.0	NR93-12
PM582	0.1	-0.1	-0.1	NR93-06
PM334+6	0.0	0.1	-0.4	NR93-10
PM237+3	-0.1	0.1	-0.4	NR93-12
PM240+19	0.0	0.0	0.0	NR93-10
PM675+8	0.0	0.1	-0.1	NR93-04
PM346+9	-0.3	-0.1	-0.1	WA97-01

3.5 DATA PROCESSING AND QUALITY CONTROL

Survey data collected in the field was post-processed in different ways depending on which survey method was used.

Static points were processed using Trimble's GPSurvey software. This produced data in WGS84 format. It was then loaded into Trimble Survey Office where datum transformations and geoid separations were applied to obtain AMG Zone 54 coordinates and AHD heights.

For 'real time' kinematic (RTK) data, as the field data was collected in WGS84 format, it was downloaded into Trimble Survey Office where datum transformations and geoid separations were applied to obtain AMG Zone 54 coordinates and AHD heights. The data was then exported to a text file for editing and quality control checks.

Once the exported text file was edited a series of checks were performed to verify the integrity of the data:

- The GPS base coordinates and elevation were checked against the correct data.
- A chaining check which computes bearing and distance, and inline and offset distances between staked coordinates and the design coordinates was done. Any points outside tolerance were flagged, checked and, if possible, moved to a position within tolerance.
- Check shots to other stations in the prospect were computed and checked.
- PM listings were edited and checked.
- Files were checked for duplicate stations and gaps.

Once the checks were complete the data files were converted to a format suitable to the IMS system. All data were then checked against the IMS design and any queries sent back to survey for clarification.

At the end of the survey all data files were checked against the IMS database for any differences between the two data sets.

Once the checks were complete the data files were converted to a format suitable for Santos. These files and a copy of the Permanent Marker file were then written to disk and sent to Santos.

Schlumberger R.E.S. software was used to manage processing tasks, perform checks on data files and format data. Backups were made at regular intervals during processing to safeguard against loss of data due to system failure or file damage.

3.6 PERMANENT MARKERS

At the completion of the survey, 12 Permanent Markers were placed at appropriate locations throughout the grid. Most were located on roads, tracks or fences where they could be easily located for future seismic surveys or well location surveys.

These markers consisted of a steel fencing post with a steel dumpy (approx. 30cm) at the base. These markers had an aluminium tag, with the line name and station number inscribed upon it, bolted to the top.

A listing of Permanent Markers is included as Appendix A.

4.0 3D DESIGN PARAMETERS

Santos supplied design coordinates on disk prior to the survey. Origin coordinates and grid bearings were computed from this information and used to create a Schlumberger R.E.S. software generated design. This design was then checked against the Santos supplied data. Design data was then passed on to the IMS operator who created the design in the IMS system. This was then cross-checked against the survey and Santos designs. The survey design coordinates were then used to check field survey data for cross track and inline error.

After setting up panel templates, line preparation files and survey stakeout files were generated from the Schlumberger R.E.S. design. These were then loaded into the line preparation GPS units and the survey data controllers.

3D Design parameters:

Parameter	Receiver	Source
Grid Bearing	99° 42' 36"	9° 42' 36"
Station Interval	40.0m	40.0m
Line spacing	320m	320m
Line number increment	8	8
Inline tolerance	2m	8m
Cross-track tolerance	8m	8m

Receiver origin station:

R100 500
E 652454.35
N 5730347.51

Source origin station:

S500 100
E 652438.01
N 5730370.60

5.0 LINE PREPARATION

Line preparation and permitting was contracted to Exploration Field Services and supervised by Ray Willox of Peterborough, Victoria. Five fencing crews and two slashers were used during the survey. Each of the fencing crews consisted of two persons. Each slasher was attended by a fire tender. Three of the fencing crews were fitted with differential GPS units which allowed them to range the receiver lines as they fenced them. This system worked very well and released a surveyor from ranging duties. The source lines were ranged by the survey crew. Offset sections of line were flagged to allow the fencing crews to place gates correctly on line.

A hydro-mulcher was used to clear a path for the receiver lines through areas of native bushland and through heavily vegetated areas close to the Curdies River. The hydro-mulcher consisted of a bobcat with bucket (to clear logs etc) and slasher attachments. This unit cleared a path approximately 1.5m wide. This unit also drilled the shot holes using an auger attachment.

Source lines through native bushland were cleared using a hydro-axe. The hydro-axe was supplied by Peter C Roberts of Millicent, South Australia. This unit consisted of a tractor with a heavy duty hydraulic slasher blade mounted on an arm forward of the tractor. A 3m wide track suitable for the vibrators was cleared through the bushland. Vegetation on road and lane easements was hand cleared by a team of two persons.

The areas requiring hydro-mulching and hydro-axing were flagged beforehand by a survey backpacking crew.

Ray Willox supervised the line preparation and liaised with the survey and recording crews. He also handled the permitting, keeping the landholders informed of the progress of the survey and when the line preparation and survey crews would be entering onto their land.

6.0 HEALTH, SAFETY AND ENVIRONMENT

At the commencement of the Curdier Vale 3D survey an induction was held for the survey crew. The agenda at this induction was as follows: an introduction to the area; a discussion of proposed survey methods; and a presentation of known hazards in the area.

During the initial weeks of the survey a list of hazards was compiled by the survey crew and put into a presentation. This was to be shown to the recording crew prior to them commencing work in the area.

Daily toolbox meetings and weekly safety meetings were held to discuss relevant safety and operational matters. The safety meetings were attended by the survey crew, the line preparation crews and client representatives (Mike Walcott and Bruce Beer).

During the survey there were no lost time injuries (LTI) on the survey crew. Two Risk Identification Reports (RIR) were done – one for a bee sting and the other for entering into bull paddocks. Ten Stopcards were handed in during the survey.

Vegetation consisted of mainly grasslands with occasional clumps of Cyprus pines that acted as wind breaks and shade. There were also some areas of native bushland with thick bracken undergrowth. These areas were flagged through by a two person backpack survey crew. The source lines were then cleared to 3m wide by a hydra-axe while the receiver lines were cleared to 1.5m wide by a hydro-mulcher. Land use was predominantly dairy.

Two receiver lines and two source lines passed through Fenwicks Reserve in the south-west corner of the prospect. The reserve was flagged by a survey backpack crew and prior to line preparation representatives from the state Parks department inspected the lines. After this inspection it was decided to offset the southern receiver line and drill the eastern source line to minimise clearing. The southern receiver line (R204) was offset 120m to the south while the northern line (R212) was cleared using the hydro-mulcher. The western source line (S524) was offset to the west while the eastern line (S532) was cleared using the hydro-mulcher and shot holes drilled to avoid the need for the vibrators to access through the reserve. Line entries into the reserve were disguised to deter third party access and lines were cut to the minimum safe width.

During the survey every effort was made to reduce the effects of the survey on the environment. Minimal use was made of the hydro-axe and where ever possible lines were offset to avoid areas of native vegetation. Road side vegetation was hand cleared and disguised to reduce visual impact.

7.0 CONCLUSION

The survey and line preparation components of the OS00A Seismic Survey were completed in an efficient and professional manner. There were surprisingly few incidents during the survey and line preparation considering the number of small properties and the associated high number of fences and stock. This was, in no small measure, due to the quality of the permitting and the responsible attitude demonstrated by the survey and line preparation personnel.

The permitting of the survey was done very efficiently with all members of the survey crew receiving a bound document containing all the permit forms and a property map. Each property had an individual reference number that was referred to in the permitting book and on the property map. This made it very easy to identify which properties fell on particular lines and any specific landholder instructions. Also the location of any problems could be quickly identified and relayed to Ray Willox for appropriate action.

Santos supplied orthophoto maps of the survey area that were then overlaid with the design station locations. This greatly assisted with preplanning of offsets and access. The map was also loaded into the IMS system to assist with mapping and preplanning.

Respectfully submitted,



Eric Amedee
Senior Surveyor
Schlumberger RES

APPENDIX A – PERMANENT MARKER LISTING

The following is a list of Permanent Markers surveyed during the OS00A Seismic Survey:

Line	Station	Easting	Northing	Elev.
OS00A-R108	108674 + 29	659396.56	5729482.85	17.27
OS00A-R140	140539 + 01	654262.93	5731660.92	61.59
OS00A-R148	148637 + 01	658180.17	5731315.56	41.06
OS00A-R180	180674 + 33	659886.14	5732319.25	1.89
OS00A-R220	220538 + 37	654798.28	5734816.18	52.02
OS00A-R236	236699 + 39	661256.74	5734364.77	40.06
OS00A-R276	276580 + 07	656803.12	5736746.97	53.65
OS00A-R308	308673 + 30	660708.31	5737377.38	54.91
OS00A-S564	564349 + 07	656643.09	5739762.61	63.38
OS00A-S620	620227 + 37	658032.56	5734605.02	39.06
OS00A-S660	660280 + 25	659968.54	5736411.23	40.17
OS00A-S668	668349 + 08	660743.30	5739062.23	71.40

APPENDIX C – RECEIVER OFFSET LISTING

Line	Station	Offset	Comments
OS00A-156	156579	40N	BLDG
OS00A-156	156735	40N	TREES
OS00A-156	156736	40N	TREES
OS00A-156	156737	40N	TREES
OS00A-156	156738	40N	TREES
OS00A-156	156739	40N	TREES
OS00A-156	156740	40N	TREES
OS00A-156	156741	40N	TREES
OS00A-156	156742	40N	TREES
OS00A-156	156743	40N	TREES
OS00A-156	156744	40N	TREES
OS00A-156	156745	40N	TREES
OS00A-156	156746	40N	TREES
OS00A-156	156747	40N	TREES
OS00A-172	172690	40N	RIVER
OS00A-180	180532	11S	DAM
OS00A-188	188658	40N	DAM
OS00A-188	188659	80N	DAM
OS00A-188	188740	40S	BLDG
OS00A-196	196736	40N	DAM
OS00A-196	196737	40N	DAM
OS00A-204	204511	40S	TREES
OS00A-204	204512	80S	TREES
OS00A-204	204513	120S	TREES
OS00A-204	204514	120S	TREES
OS00A-204	204515	120S	TREES
OS00A-204	204516	120S	TREES
OS00A-204	204517	120S	TREES
OS00A-204	204518	120S	TREES
OS00A-204	204519	120S	TREES
OS00A-204	204520	120S	TREES
OS00A-204	204521	120S	TREES

Line	Station	Offset	Comments
OS00A-204	204522	120S	TREES
OS00A-204	204523	120S	TREES
OS00A-204	204524	120S	TREES
OS00A-204	204525	120S	TREES
OS00A-204	204526	120S	TREES
OS00A-204	204527	120S	TREES
OS00A-204	204528	120S	TREES
OS00A-204	204529	120S	TREES
OS00A-204	204530	120S	TREES
OS00A-204	204531	120S	TREES
OS00A-204	204532	120S	TREES
OS00A-204	204533	120S	TREES
OS00A-204	204534	120S	TREES
OS00A-204	204535	120S	TREES
OS00A-204	204536	120S	TREES
OS00A-204	204537	120S	TREES
OS00A-204	204538	120S	TREES
OS00A-204	204539	80S	TREES
OS00A-204	204540	40S	TREES
OS00A-204	204597	8S	BLDG
OS00A-228	228541	14N	TREES
OS00A-228	228542	14N	TREES
OS00A-228	228543	14N	TREES
OS00A-228	228544	13N	TREES
OS00A-228	228545	13N	TREES
OS00A-228	228546	14N	TREES
OS00A-228	228547	15N	TREES
OS00A-228	228548	14N	TREES
OS00A-228	228549	13N	TREES
OS00A-228	228550	13N	TREES
OS00A-228	228551	12N	TREES
OS00A-228	228552	12N	TREES
OS00A-228	228553	13N	TREES
OS00A-228	228556	9N T	REES
OS00A-228	228557	11N	TREES
OS00A-228	228696	40S	BLDGS
OS00A-228	228697	40S	BLDGS
OS00A-228	228698	40S	BLDGS
OS00A-228	228699	40S	BLDGS

Line	Station	Offset	Comments
OS00A-244	244650	40N	BLDG
OS00A-244	244651	40N	BLDG
OS00A-268	268540	40S	POWER
OS00A-268	268541	40S	POWER
OS00A-268	268542	40S	POWER
OS00A-268	268543	40S	POWER
OS00A-268	268544	40S	POWER
OS00A-268	268545	40S	POWER
OS00A-268	268546	40S	POWER
OS00A-268	268547	40S	POWER
OS00A-268	268548	40S	POWER
OS00A-268	268549	40S	POWER
OS00A-268	268550	40S	POWER
OS00A-268	268551	40S	POWER
OS00A-268	268552	40S	POWER
OS00A-268	268553	40S	POWER
OS00A-268	268554	40S	POWER
OS00A-268	268555	40S	POWER
OS00A-268	268556	40S	POWER
OS00A-268	268557	40S	POWER
OS00A-268	268558	40S	POWER
OS00A-268	268559	40S	POWER
OS00A-268	268560	40S	POWER
OS00A-268	268561	40S	POWER
OS00A-268	268562	40S	POWER
OS00A-268	268563	40S	POWER
OS00A-268	268564	40S	POWER
OS00A-268	268565	40S	POWER
OS00A-268	268566	40S	POWER
OS00A-268	268567	40S	POWER
OS00A-268	268568	40S	POWER
OS00A-268	268569	40S	POWER
OS00A-268	268570	40S	POWER
OS00A-268	268571	40S	POWER
OS00A-268	268572	40S	POWER
OS00A-268	268573	40S	POWER
OS00A-268	268574	40S	POWER
OS00A-268	268575	40S	POWER

Line	Station	Offset	Comments
OS00A-268	268576	40S	POWER
OS00A-268	268577	40S	POWER
OS00A-268	268578	40S	POWER
OS00A-268	268579	40S	POWER
OS00A-268	268580	40S	POWER
OS00A-268	268581	40S	POWER
OS00A-268	268582	40S	POWER
OS00A-268	268583	40S	POWER
OS00A-268	268584	40S	POWER
OS00A-268	268585	40S	POWER
OS00A-268	268586	40S	POWER
OS00A-268	268587	40S	POWER
OS00A-268	268588	40S	POWER
OS00A-268	268589	40S	POWER
OS00A-268	268590	40S	POWER
OS00A-268	268591	40S	POWER
OS00A-268	268592	40S	POWER
OS00A-268	268593	40S	POWER
OS00A-268	268594	40S	POWER
OS00A-268	268595	40S	POWER
OS00A-268	268596	40S	POWER
OS00A-268	268597	40S	POWER
OS00A-268	268598	40S	POWER
OS00A-268	268599	40S	POWER
OS00A-268	268600	40S	POWER
OS00A-268	268601	40S	POWER
OS00A-268	268602	40S	POWER
OS00A-268	268603	40S	POWER
OS00A-268	268604	40S	POWER
OS00A-268	268605	40S	POWER
OS00A-268	268606	40S	POWER
OS00A-268	268607	40S	POWER
OS00A-268	268608	40S	POWER
OS00A-268	268609	40S	POWER
OS00A-268	268610	40S	POWER
OS00A-268	268611	10N	BLDG
OS00A-268	268612	10N	BLDG
OS00A-268	268613	10N	BLDG
OS00A-268	268614	10N	BLDG
OS00A-268	268615	10N	BLDG

Line	Station	Offset	Comments
OS00A-268	268616	10N	BLDG
OS00A-268	268617	10N	BLDG
OS00A-268	268618	10N	BLDG
OS00A-292	292584	40N	BLDG
OS00A-292	292585	40N	BLDG
OS00A-324	324591	40S	TREES
OS00A-324	324592	40S	TREES
OS00A-324	324593	40S	TREES
OS00A-324	324594	40S	TREES
OS00A-324	324595	40S	TREES
OS00A-324	324596	40S	TREES
OS00A-324	324597	40S	TREES
OS00A-324	324598	40S	TREES
OS00A-324	324599	40S	TREES
OS00A-324	324600	40S	TREES
OS00A-324	324601	40S	TREES
OS00A-324	324602	40S	TREES
OS00A-324	324603	40S	TREES
OS00A-324	324604	40S	TREES
OS00A-324	324669	10N	BLDG
OS00A-324	324670	10N	BLDG
OS00A-340	340591	40N	TREES
OS00A-340	340592	40N	TREES
OS00A-340	340593	40N	TREES
OS00A-340	340594	40N	TREES
OS00A-340	340595	40N	TREES
OS00A-340	340596	40N	TREES
OS00A-340	340597	40N	TREES
OS00A-340	340598	40N	TREES
OS00A-340	340599	40N	TREES
OS00A-340	340600	40N	TREES
OS00A-340	340601	40N	TREES
OS00A-340	340602	40N	TREES
OS00A-340	340603	40N	TREES
OS00A-340	340604	40N	TREES
OS00A-348	348609	40N	BLDG

Line	Station	Offset	Comments
OS00A-348	348610	40N	BLDG
OS00A-356	356595	40S	DAM
OS00A-356	356596	40S	DAM
OS00A-356	356597	40S	DAM
OS00A-356	356598	40S	DAM
OS00A-356	356599	40S	DAM
OS00A-356	356600	40S	DAM
OS00A-412	412652	13S	BLDG

APPENDIX D - SOURCE OFFSET LISTING

Line	Station	Offset	Comments
OS00A-500	500177	40E	FENCE
OS00A-500	500178	40E	FENCE
OS00A-500	500179	80E	BLDG
OS00A-500	500180	120E	BLDG
OS00A-500	500181	160E	BLDG
OS00A-500	500182	200E	TANK
OS00A-500	500183	160E	BLDG
OS00A-500	500184	120E	TANK
OS00A-500	500185	80E	BLDG
OS00A-500	500186	80E	BLDG
OS00A-500	500187	80E	BLDG
OS00A-500	500188	40E	BLDG
OS00A-500	500189	40E	BLDG
OS00A-500	500190	40E	BLDG
OS00A-508	508158	40W	TANK
OS00A-508	508159	40W	TANK
OS00A-508	508160	40W	TANK
OS00A-508	508174	80E	DAM
OS00A-508	508175	80E	DAM
OS00A-508	508176	80E	DAM
OS00A-508	508177	40E	DAM
OS00A-508	508181	40E	TANK
OS00A-508	508182	40E	TANK
OS00A-508	508192	40W	TANK
OS00A-508	508193	40W	TANK
OS00A-508	508194	40W	TANK
OS00A-516	516189	40W	TANK
OS00A-516	516190	40W	TANK
OS00A-516	516200	80W	TREES
OS00A-516	516201	160W	TREES
OS00A-516	516202	160W	TREES
OS00A-516	516203	160W	TREES
OS00A-516	516204	160W	TREES

Line	Station	Offset	Comments
OS00A-516	516205	160W	TREES
OS00A-516	516206	160W	TREES
OS00A-516	516207	160W	TREES
OS00A-524	524201	200W	TREES
OS00A-524	524202	200W	TREES
OS00A-524	524203	200W	TREES
OS00A-524	524204	160W	TREES
OS00A-524	524205	160W	TREES
OS00A-524	524206	160W	TREES
OS00A-524	524207	160W	TREES
OS00A-524	524208	160W	TREES
OS00A-524	524209	160W	TREES
OS00A-524	524210	160W	TREES
OS00A-524	524211	160W	TREES
OS00A-524	524212	160W	TREES
OS00A-524	524213	160W	TREES
OS00A-524	524214	160W	TREES
OS00A-524	524215	200W	TREES
OS00A-532	532140	80E	DAM
OS00A-532	532141	80E	DAM
OS00A-532	532142	80E	DAM
OS00A-532	532143	80E	DAM
OS00A-532	532144	40E	DAM
OS00A-532	532179	80W	DAM
OS00A-532	532180	80W	DAM
OS00A-532	532181	80W	DAM
OS00A-532	532182	40E	DAM
OS00A-532	532183	40E	DAM
OS00A-532	532184	40E	DAM
OS00A-532	532195	40E	TANK
OS00A-532	532196	40E	TANK
OS00A-532	532212	40E	SWAMP SP
OS00A-532	532215	80E	TREES
OS00A-532	532216	12N	TREES
OS00A-540	540132	40W	TREES
OS00A-540	540133	40W	TREES
OS00A-540	540134	40W	TREES

Line	Station	Offset	Comments
OS00A-540	540135	40W	TREES
OS00A-540	540136	40W	TREES
OS00A-540	540137	40W	TREES
OS00A-540	540138	40W	TREES
OS00A-540	540139	80W	TREES
OS00A-540	540140	40W	TREES
OS00A-540	540141	40W	TREES
OS00A-540	540142	40W	TREES
OS00A-540	540143	40W	TREES
OS00A-540	540144	40W	TREES
OS00A-540	540145	40W	TREES
OS00A-540	540146	40W	TREES
OS00A-540	540147	40W	TREES
OS00A-540	540148	40W	TREES
OS00A-540	540149	40W	TREES
OS00A-540	540150	40W	TREES
OS00A-540	540151	40W	TREES
OS00A-540	540183	40E	BLDG
OS00A-540	540184	40E	BLDG
OS00A-540	540185	40E	BLDG
OS00A-540	540186	40E	BLDG
OS00A-540	540201	11W	ROAD
OS00A-540	540202	13W	ROAD
OS00A-540	540203	12W	ROAD
OS00A-540	540205	9E	TREES
OS00A-540	540267	15S	WATER PL
OS00A-540	540268	15N	WATER PL
OS00A-540	540272	120E200S	BLDG
OS00A-540	540273	80E240S	BLDG
OS00A-540	540274	40E280S	BLDG
OS00A-540	540300	80W	BLDG
OS00A-540	540301	80W	BLDG
OS00A-540	540302	80W	BLDG
OS00A-540	540303	80W	BLDG
OS00A-540	540304	80W	BLDG
OS00A-540	540311	40E	BLDG
OS00A-540	540312	40E	BLDG
OS00A-540	540313	40E	BLDG
OS00A-540	540314	40E	BLDG
OS00A-540	540331	160E	PL

Line	Station	Offset	Comments
OS00A-540	540332	80E	PL
OS00A-540	540374	40E	BLDG
OS00A-540	540375	80E	BLDG
OS00A-540	540376	80E	BLDG
OS00A-540	540377	40E	BLDG
OS00A-540	540378	40E	BLDG
OS00A-540	540379	40E	BLDG
OS00A-548	548147	120E11N	TREES
OS00A-548	548148	120E	TREES
OS00A-548	548149	120E	TREES
OS00A-548	548150	120E	TREES
OS00A-548	548151	120E	TREES
OS00A-548	548157	120W	TREES
OS00A-548	548158	8N	TREES
OS00A-548	548164	40E	TREES
OS00A-548	548165	40E	TREES
OS00A-548	548166	40E	TREES
OS00A-548	548176	120W	BLDG
OS00A-548	548177	120W	BLDG
OS00A-548	548178	120W	BLDG
OS00A-548	548179	120W	BLDG
OS00A-548	548180	120W	BLDG
OS00A-548	548181	80W	BLDG
OS00A-548	548193	80W	TREES
OS00A-548	548194	40W	TREES
OS00A-548	548195	40W	TREES
OS00A-548	548201	80E	TREES
OS00A-548	548202	80E	TREES
OS00A-548	548203	80E	TREES
OS00A-548	548204	80E	TREES
OS00A-548	548205	80E	TREES
OS00A-548	548206	80E	TREES
OS00A-548	548207	80E	TREES
OS00A-548	548208	80E	TREES
OS00A-548	548209	80E	TREES
OS00A-548	548210	80E	TREES
OS00A-548	548211	80E	TREES
OS00A-548	548212	80E	TREES
OS00A-548	548213	80E	TREES

Line	Station	Offset	Comments
OS00A-548	548234	11W	TREES
OS00A-548	548267	40E40S	WATER PL
OS00A-548	548268	200E40N	WATER P
OS00A-548	548269	160E	IRRIGATION
OS00A-548	548270	120E	IRRIGATION
OS00A-548	548271	120E	IRRIGATION
OS00A-548	548272	120E	IRRIGATION
OS00A-548	548273	120E	IRRIGATION
OS00A-548	548274	120E	IRRIGATION
OS00A-548	548275	120E	IRRIGATION
OS00A-548	548276	120E	IRRIGATION
OS00A-548	548277	120E	IRRIGATION
OS00A-548	548278	120E	IRRIGATION
OS00A-548	548279	120E	IRRIGATION
OS00A-548	548280	120E	IRRIGATION
OS00A-548	548281	120E	IRRIGATION
OS00A-548	548282	120E	IRRIGATION
OS00A-548	548283	120E	IRRIGATION
OS00A-548	548284	120E	IRRIGATION
OS00A-548	548285	120E	IRRIGATION
OS00A-548	548286	120E	IRRIGATION
OS00A-548	548287	120E	IRRIGATION
OS00A-548	548288	120E	IRRIGATION
OS00A-548	548328	40W	PL
OS00A-548	548329	40E	PL
OS00A-548	548339	40W	TANK
OS00A-548	548345	40W	TREES
OS00A-548	548346	120W	BLDG
OS00A-548	548347	120W	BLDG
OS00A-548	548348	160W	BLDG
OS00A-548	548349	160W	BLDG
OS00A-548	548350	120W	BLDG
OS00A-548	548352	40E	POWER POLE
OS00A-556	556146	8S	TREES
OS00A-556	556147	10N	TREES
OS00A-556	556166	40W	TANK
OS00A-556	556176	40W	TANK
OS00A-556	556193	160E	TREES
OS00A-556	556194	160E	TREES

Line	Station	Offset	Comments
OS00A-556	556195	160E	TREES
OS00A-556	556196	160E	TREES
OS00A-556	556197	9N	TREES
OS00A-556	556228	40E	TREES
OS00A-556	556229	80E	TANK
OS00A-556	556258	40E	TANK
OS00A-556	556259	40E	TANK
OS00A-556	556267	40E40S	WATER PL
OS00A-556	556268	40E40N	WATER PL
OS00A-556	556271	40E	TANK
OS00A-556	556272	40E	TANK
OS00A-556	556282	40E	TANK
OS00A-556	556283	40E	TANK
OS00A-556	556301	40E	TANK
OS00A-556	556302	40E	TANK
OS00A-556	556325	80W	PL
OS00A-556	556350	9N	ROAD
OS00A-556	556358	40W	TANK
OS00A-564	564210	80W	TANK
OS00A-564	564211	40W	TANK
OS00A-564	564212	40W	TANK
OS00A-564	564217	40W	TANK
OS00A-564	564218	40W	TANK
OS00A-564	564219	40W	TANK
OS00A-564	564222	40W	TANK
OS00A-564	564223	40W	TANK
OS00A-564	564227	6S	TREES
OS00A-564	564267	40E40S	WATER PL
OS00A-564	564268	40W40S	WATER PL
OS00A-564	564296	40W	TANK
OS00A-564	564297	40W	TANK
OS00A-564	564298	40W	TANK
OS00A-564	564320	40W	PL
OS00A-564	564321	80W	PL
OS00A-564	564322	120W	PL
OS00A-564	564371	40E	TREES
OS00A-564	564372	40E	TREES
OS00A-564	564373	40E	TREES
OS00A-564	564374	40E	TREES

Line	Station	Offset	Comments
OS00A-564	564375	80E	WINDMILL
OS00A-564	564376	80E	WINDMILL
OS00A-564	564377	40E	CULTIVATION
OS00A-564	564378	40E	CULTIVATION
OS00A-564	564379	40E	CULTIVATION
OS00A-572	572121	80W	TANK
OS00A-572	572122	80W	TANK
OS00A-572	572123	40W	TANK
OS00A-572	572124	80W	TANK
OS00A-572	572125	120W	TANK
OS00A-572	572153	80W	IRRIGATION
OS00A-572	572154	80W	IRRIGATION
OS00A-572	572155	80W	IRRIGATION
OS00A-572	572156	80W	IRRIGATION
OS00A-572	572157	80W	IRRIGATION
OS00A-572	572158	80W	IRRIGATION
OS00A-572	572159	80W	IRRIGATION
OS00A-572	572170	80E	TANK
OS00A-572	572179	40W	LANE
OS00A-572	572181	40E	TANK
OS00A-572	572182	40E	TANK
OS00A-572	572215	40W	TREES
OS00A-572	572216	40W	TREES
OS00A-572	572217	40W	TREES
OS00A-572	572218	40W	TREES
OS00A-572	572219	40W	TREES
OS00A-572	572220	40W	TREES
OS00A-572	572221	120W	BLDG
OS00A-572	572222	120W	BLDG
OS00A-572	572223	120W	BLDG
OS00A-572	572224	120W	BLDG
OS00A-572	572225	120W	BLDG
OS00A-572	572226	120W	BLDG
OS00A-572	572227	120W	BLDG
OS00A-572	572242	40W	TANK
OS00A-572	572243	40W	TANK
OS00A-572	572250	40E	TANK
OS00A-572	572253	40E	TANK
OS00A-572	572254	40E	TANK

Line	Station	Offset	Comments
OS00A-572	572257	40E	TANK
OS00A-572	572258	40E	TANK
OS00A-572	572259	40E	TANK
OS00A-572	572260	40E	TANK
OS00A-572	572261	40E	TANK
OS00A-572	572264	40E	TANK
OS00A-572	572265	40E	TANK
OS00A-572	572266	80E	BLDG
OS00A-572	572267	120E40S	WATER PL
OS00A-572	572268	40W40N	WATER PL
OS00A-572	572318	40W	PL
OS00A-572	572319	40E	PL
OS00A-572	572338	40E	BLDG
OS00A-572	572339	40E	BLDG
OS00A-572	572346	40E	BLDG
OS00A-572	572347	120E	BLDG
OS00A-572	572348	160E	BLDG
OS00A-572	572349	160E	BLDG
OS00A-572	572350	120E	BLDG
OS00A-572	572351	120E	BLDG
OS00A-572	572352	120E	BLDG
OS00A-572	572359	40E	WINDMILL
OS00A-572	572360	80E	WINDMILL
OS00A-572	572361	80E	WINDMILL
OS00A-572	572362	80E	TREES
OS00A-572	572363	80E	TREES
OS00A-572	572364	80E	TREES
OS00A-572	572365	80E	TREES
OS00A-572	572366	80E	TREES
OS00A-572	572367	80E	TREES
OS00A-572	572368	80E	TREES
OS00A-572	572369	80E	TREES
OS00A-572	572370	80E	TREES
OS00A-580	580111	40W	BLDG
OS00A-580	580112	40W	BLDG
OS00A-580	580113	40W	BLDG
OS00A-580	580114	40W	BLDG
OS00A-580	580115	40W	BLDG
OS00A-580	580118	40W	WATER

Line	Station	Offset	Comments
OS00A-580	580119	40W	WATER
OS00A-580	580120	80W	DAM
OS00A-580	580121	160W	BLDG
OS00A-580	580122	240W	BLDG
OS00A-580	580123	240W	BLDG
OS00A-580	580124	240W	BLDG
OS00A-580	580125	280W	BLDG
OS00A-580	580126	280W	BLDG
OS00A-580	580127	240W	BLDG
OS00A-580	580128	200W	BLDG
OS00A-580	580151	80W	BLDG
OS00A-580	580152	120W	BLDG
OS00A-580	580153	120W	BLDG
OS00A-580	580154	160W	BLDG
OS00A-580	580155	160W	BLDG
OS00A-580	580156	160W	BLDG
OS00A-580	580157	120W	BLDG
OS00A-580	580158	80W	BLDG
OS00A-580	580170	40W	BLDG
OS00A-580	580179	80E	BLDG
OS00A-580	580180	80E	BLDG
OS00A-580	580181	80E	BLDG
OS00A-580	580182	80E	BLDG
OS00A-580	580183	40E	BLDG
OS00A-580	580187	80W	PIPE
OS00A-580	580188	40W	BLDG
OS00A-580	580189	80W	BLDG
OS00A-580	580190	80W	BLDG
OS00A-580	580197	160W	BLDG
OS00A-580	580198	160W	BLDG
OS00A-580	580199	200W	BLDG
OS00A-580	580200	240W	BLDG
OS00A-580	580201	120E	BLDG
OS00A-580	580202	120E	BLDG
OS00A-580	580203	80E	BLDG
OS00A-580	580204	40E	BLDG
OS00A-580	580205	80E	BLDG
OS00A-580	580206	40E	BLDG
OS00A-580	580207	40E	BLDG
OS00A-580	580212	80W	BLDG

Line	Station	Offset	Comments
OS00A-580	580213	80W	BLDG
OS00A-580	580214	80W	BLDG
OS00A-580	580215	80W	BLDG
OS00A-580	580217	80W	FIRE STN
OS00A-580	580218	240E	FIRE STN
OS00A-580	580219	240E	BLDG
OS00A-580	580220	240E	BLDG
OS00A-580	580221	240E	BLDG
OS00A-580	580222	240E	BLDG
OS00A-580	580223	240E	BLDG
OS00A-580	580224	240E	BLDG
OS00A-580	580232	40W	BLDG
OS00A-580	580233	40W	BLDG
OS00A-580	580234	40W	BLDG
OS00A-580	580267	40W40S	WATER PL
OS00A-580	580268	80W40N	WATER PL
OS00A-580	580269	40W	BLDG
OS00A-580	580270	40W	BLDG
OS00A-580	580284	160W	BLDG
OS00A-580	580285	200W	BLDG
OS00A-580	580286	200W	BLDG
OS00A-580	580287	240W	BLDG
OS00A-580	580288	240W	BLDG
OS00A-580	580315	40W	PL
OS00A-580	580316	160W	PL
OS00A-588	588139	40E	TANK
OS00A-588	588140	40E	TANK
OS00A-588	588141	40W	TANK
OS00A-588	588142	40W	TANK
OS00A-588	588181	6N	LANE
OS00A-588	588190	40E	ROAD
OS00A-588	588195	40E	BLDG
OS00A-588	588196	80E	BLDG
OS00A-588	588197	80E	BLDG
OS00A-588	588198	80E	BLDG
OS00A-588	588199	80E	BLDG
OS00A-588	588200	80E	BLDG
OS00A-588	588201	80E	BLDG
OS00A-588	588202	40E	TREES

Line	Station	Offset	Comments
OS00A-588	588203	40E	TREES
OS00A-588	588204	40E	TREES
OS00A-588	588205	40E	TREES
OS00A-588	588210	40E	BLDG
OS00A-588	588211	40E	BLDG
OS00A-588	588212	40E	BLDG
OS00A-588	588213	80E	BLDG
OS00A-588	588214	80E	BLDG
OS00A-588	588215	80E	BLDG
OS00A-588	588222	40W	TANK
OS00A-588	588223	40W	TANK
OS00A-588	588228	40E	TREES
OS00A-588	588267	40W40S	WATER PL
OS00A-588	588268	120W40N	WATER PL
OS00A-588	588269	80W	BLDG
OS00A-588	588270	80W	BLDG
OS00A-588	588271	80W	BLDG
OS00A-588	588272	80W	BLDG
OS00A-588	588273	80W	BLDG
OS00A-588	588274	80W	BLDG
OS00A-588	588275	80W	BLDG
OS00A-588	588276	40E	TANK
OS00A-588	588277	40E	TANK
OS00A-588	588279	40W	TANK
OS00A-588	588280	40W	TANK
OS00A-588	588284	40E	TANK
OS00A-588	588285	40E	TANK
OS00A-588	588299	40E	TANK
OS00A-588	588300	40E	TANK
OS00A-588	588301	40E	TANK
OS00A-588	588302	40E	TANK
OS00A-588	588303	40E	TANK
OS00A-588	588304	40E	TANK
OS00A-588	588310	40E	BLDG
OS00A-588	588311	40E	BLDG
OS00A-588	588312	120E	PL
OS00A-588	588313	40E	PL
OS00A-588	588348	160E	BLDG
OS00A-588	588349	160E	BLDG
OS00A-588	588350	160E	BLDG

Line	Station	Offset	Comments
OS00A-588	588351	160E	BLDG
OS00A-588	588352	160E	BLDG
OS00A-588	588353	160E	BLDG
OS00A-588	588354	160E	BLDG
OS00A-588	588355	160E	BLDG
OS00A-588	588360	40W	WINDMILL
OS00A-588	588361	40W	WINDMILL
OS00A-588	588374	80W	BLDG
OS00A-588	588375	80W	BLDG
OS00A-588	588376	80W	BLDG
OS00A-596	596107	40W	TANK
OS00A-596	596182	40W	ROAD
OS00A-596	596183	80W	BLDG
OS00A-596	596184	120W	BLDG
OS00A-596	596185	160W	BLDG
OS00A-596	596186	200W	BLDG
OS00A-596	596202	80W	BLDG
OS00A-596	596203	80W	BLDG
OS00A-596	596204	120W	BLDG
OS00A-596	596205	80W	BLDG
OS00A-596	596206	80W	BLDG
OS00A-596	596262	80E	BLDG
OS00A-596	596263	80E	BLDG
OS00A-596	596264	80E	BLDG
OS00A-596	596265	80E	BLDG
OS00A-596	596266	80E	BLDG
OS00A-596	596267	120E40S	WATER PL
OS00A-596	596268	40E40N	ROAD
OS00A-596	596309	120E	PL
OS00A-596	596310	80E	PL
OS00A-596	596323	120W	TREES
OS00A-596	596324	80W	TREES
OS00A-596	596350	40W	BLDG
OS00A-596	596351	40W	BLDG
OS00A-596	596352	40W	BLDG
OS00A-596	596353	40W	BLDG
OS00A-596	596354	40W	BLDG
OS00A-596	596355	40W	BLDG
OS00A-596	596356	40W	BLDG

Line	Station	Offset	Comments
OS00A-596	596357	40W	BLDG
OS00A-596	596358	40W	BLDG
OS00A-604	604105	40W	TANK
OS00A-604	604106	40W	TANK
OS00A-604	604170	80W7S	BLDG
OS00A-604	604171	200W	BLDG
OS00A-604	604172	200W	BLDG
OS00A-604	604173	240W	BLDG
OS00A-604	604174	240W	BLDG
OS00A-604	604177	80E	ROAD
OS00A-604	604237	40E	FENCE
OS00A-604	604238	40E	FENCE
OS00A-604	604239	40E	FENCE
OS00A-604	604251	40E	TREES
OS00A-604	604252	40E	TREES
OS00A-604	604253	40E	TREES
OS00A-604	604254	40E	TREES
OS00A-604	604255	40E	TREES
OS00A-604	604256	40E	TREES
OS00A-604	604257	40E	TREES
OS00A-604	604258	40E	TREES
OS00A-604	604259	40E	TREES
OS00A-604	604260	40E	TREES
OS00A-604	604261	40E	TREES
OS00A-604	604262	40E	TREES
OS00A-604	604263	40E	TREES
OS00A-604	604264	40E	TREES
OS00A-604	604267	40E40S	WATER PL
OS00A-604	604268	40E40N	WATER PL
OS00A-604	604270	40E	BLDG
OS00A-604	604271	40E	BLDG
OS00A-604	604272	40E	BLDG
OS00A-604	604276	9E	TREES
OS00A-604	604306	80W	PL
OS00A-604	604323	40E	TREES
OS00A-604	604324	40E	TREES
OS00A-604	604325	40E	TREES
OS00A-604	604326	40E	TREES
OS00A-604	604327	40E	TREES

Line	Station	Offset	Comments
OS00A-604	604328	40E	TREES
OS00A-604	604329	40E	TREES
OS00A-604	604330	40E	TREES
OS00A-604	604331	40E	TREES
OS00A-604	604332	40E	TREES
OS00A-604	604333	40E	TREES
OS00A-604	604334	40E	TREES
OS00A-604	604335	40E	TREES
OS00A-604	604336	40E	TREES
OS00A-604	604337	40E	TREES
OS00A-604	604338	40E	TREES
OS00A-604	604339	40E	TREES
OS00A-604	604340	40E	TREES
OS00A-604	604358	40E	TANK
OS00A-612	612131	40E	TANK
OS00A-612	612133	40E	TANK
OS00A-612	612134	40E	TANK
OS00A-612	612139	40E	TANK
OS00A-612	612142	40E	TANK
OS00A-612	612150	40W	TANK
OS00A-612	612151	40W	TANK
OS00A-612	612152	40W	TREES
OS00A-612	612153	40W	TREES
OS00A-612	612173	40W	ROAD
OS00A-612	612174	40W	BLDG
OS00A-612	612175	40W	BLDG
OS00A-612	612180	40E	TANK
OS00A-612	612181	40W	TANK
OS00A-612	612182	40W	TANK
OS00A-612	612227	5S	ROAD
OS00A-612	612261	40E	BLDG
OS00A-612	612262	40E	BLDG
OS00A-612	612266	80W	BLDG
OS00A-612	612267	80W	BLDG
OS00A-612	612268	80W40N	WATER PL
OS00A-612	612269	40W	BLDG
OS00A-612	612294	40E	TANK
OS00A-612	612295	40E	TANK
OS00A-612	612296	40E	TANK

Line	Station	Offset	Comments
OS00A-612	612303	120E	PL
OS00A-612	612304	40E	TANK
OS00A-612	612305	40E	BLDG
OS00A-612	612306	40E	BLDG
OS00A-612	612313	40W	TANK
OS00A-612	612314	40W	TANK
OS00A-612	612324	80W	TANK
OS00A-612	612325	40W	TANK
OS00A-612	612339	40E	TANK
OS00A-612	612340	40E	TANK
OS00A-612	612341	40E	TANK
OS00A-612	612346	80E	TANK
OS00A-612	612347	80E	TANK
OS00A-612	612348	40E	BLDG
OS00A-612	612376	40E	TANK
OS00A-612	612377	80E	TANK
OS00A-612	612378	80E	TANK
OS00A-620	620118	40W	TANK
OS00A-620	620119	80W	TANK
OS00A-620	620120	40W	TANK
OS00A-620	620121	40W	TANK
OS00A-620	620122	40W	TANK
OS00A-620	620126	80W	TANK
OS00A-620	620127	80W	TANK
OS00A-620	620157	160E	BLDG
OS00A-620	620158	160E	BLDG
OS00A-620	620159	200E	BLDG
OS00A-620	620160	200E	BLDG
OS00A-620	620161	160W	BLDG
OS00A-620	620162	80W	BLDG
OS00A-620	620166	40W	ROAD
OS00A-620	620167	40E	ROAD
OS00A-620	620227	7S	ROAD
OS00A-620	620230	160W	CREEK
OS00A-620	620264	40E	FENCE
OS00A-620	620265	40E	FENCE
OS00A-620	620266	40E	FENCE
OS00A-620	620267	80E40S	WATER PL
OS00A-620	620268	40W40N	WATER PL

Line	Station	Offset	Comments
OS00A-620	620270	40W	BLDG
OS00A-620	620271	40W	BLDG
OS00A-620	620272	40W	BLDG
OS00A-620	620282	80W	TREES
OS00A-620	620283	80W	TREES
OS00A-620	620284	80W	TREES
OS00A-620	620285	80W	TREES
OS00A-620	620286	80W	TREES
OS00A-620	620287	80W	TREES
OS00A-620	620288	80W	TREES
OS00A-620	620299	40W	PL
OS00A-620	620300	120W	PL
OS00A-620	620351	40W	BLDG
OS00A-620	620352	40W	BLDG
OS00A-620	620353	40W	BLDG
OS00A-620	620354	40W	BLDG
OS00A-620	620355	40W	BLDG
OS00A-620	620361	80E	TREES
OS00A-620	620362	80E	TREES
OS00A-620	620363	80E	TREES
OS00A-620	620364	80E	TREES
OS00A-620	620365	80E	TREES
OS00A-620	620366	80E	TREES
OS00A-620	620367	80E	TREES
OS00A-620	620368	80E	TREES
OS00A-620	620369	80E	TREES
OS00A-620	620370	80E	TREES
OS00A-620	620371	80E	TREES
OS00A-620	620372	80E	TREES
OS00A-620	620373	80E	TREES
OS00A-620	620374	80E	TREES
OS00A-620	620375	80E	TREES
OS00A-620	620376	80E	TREES
OS00A-620	620377	80E	TREES
OS00A-620	620378	80E	TREES
OS00A-620	620379	80E	TREES
OS00A-620	620380	80E	TREES
OS00A-620	620381	80E	TREES
OS00A-620	620382	80E	TREES
OS00A-620	620383	80E	TREES

Line	Station	Offset	Comments
OS00A-620	620384	80E	TREES
OS00A-620	620385	80E	TREES
OS00A-620	620386	80E	TREES
OS00A-620	620387	80E	TREES
OS00A-620	620388	80E	TREES
OS00A-620	620389	80E	TREES
OS00A-620	620390	80E	TREES
OS00A-620	620391	80E	TREES
OS00A-620	620392	80E	TREES
OS00A-620	620393	80E	TREES
OS00A-620	620394	80E	TREES
OS00A-620	620395	80E	TREES
OS00A-620	620396	80E	TREES
OS00A-620	620397	80E	TREES
OS00A-620	620398	80E	TREES
OS00A-620	620399	80E	TREES
OS00A-620	620400	80E	TREES
OS00A-620	620401	80E	TREES
OS00A-620	620402	80E	TREES
OS00A-620	620403	80E	TREES
OS00A-620	620404	80E	TREES
OS00A-620	620405	80E	TREES
OS00A-620	620406	80E	TREES
OS00A-620	620407	80E	TREES
OS00A-620	620408	80E	TREES
OS00A-620	620409	80E	TREES
OS00A-620	620410	80E	TREES
OS00A-620	620411	120E40S	ROAD
OS00A-628	628146	8N	LANE
OS00A-628	628156	40E	TREES
OS00A-628	628157	40E	TREES
OS00A-628	628164	40E	BLDG
OS00A-628	628165	40E	BLDG
OS00A-628	628166	40E	BLDG
OS00A-628	628177	40W	TREES
OS00A-628	628178	40W	TREES
OS00A-628	628198	40E	TREES
OS00A-628	628199	40E	TREES
OS00A-628	628200	40E	TREES

Line	Station	Offset	Comments
OS00A-628	628201	40E	TREES
OS00A-628	628202	40W	TREES
OS00A-628	628203	40W	TREES
OS00A-628	628204	40W	TREES
OS00A-628	628205	40W	TREES
OS00A-628	628227	10N	ROAD
OS00A-628	628235	40W	CREEK
OS00A-628	628261	80E	WATER PL
OS00A-628	628262	40E	WATER PL
OS00A-628	628268	40E	TREES
OS00A-628	628275	40W	TANK
OS00A-628	628280	40E	TANK
OS00A-628	628287	80W	TANK
OS00A-628	628288	80W	TANK
OS00A-628	628289	40W	TANK
OS00A-628	628294	40W	TANK
OS00A-628	628295	40W	TANK
OS00A-628	628296	40W	TANK
OS00A-628	628297	160W	PL
OS00A-628	628298	240W	PL
OS00A-628	628299	160W	PL
OS00A-628	628305	40E	BLDG
OS00A-628	628321	13	TREES
OS00A-628	628322	13	TREES
OS00A-628	628323	13	TREES
OS00A-628	628324	12	TREES
OS00A-628	628325	13	TREES
OS00A-628	628326	13	TREES
OS00A-628	628327	13	TREES
OS00A-628	628328	13	TREES
OS00A-628	628329	12	TREES
OS00A-628	628330	12	TREES
OS00A-628	628331	12	TREES
OS00A-628	628332	40W	TREES
OS00A-628	628333	40W	TREES
OS00A-628	628334	40W	TREES
OS00A-628	628335	40W	TREES
OS00A-628	628336	40W	TREES
OS00A-628	628337	40W	TREES
OS00A-628	628338	40W	TREES

Line	Station	Offset	Comments
OS00A-628	628339	40W	TREES
OS00A-628	628340	40W	TREES
OS00A-628	628341	40W	TREES
OS00A-628	628342	40W	TREES
OS00A-628	628343	40W	TREES
OS00A-628	628350	10N	ROAD
OS00A-628	628355	40W	LANE
OS00A-628	628356	40W	LANE
OS00A-628	628357	40W	LANE
OS00A-628	628394	40W	BLDG
OS00A-628	628395	40W	BLDG
OS00A-628	628396	40W	BLDG
OS00A-628	628397	40W	BLDG
OS00A-628	628398	40W	BLDG
OS00A-628	628401	40E	WINDMILL
OS00A-628	628402	40E	WINDMILL
OS00A-628	628411	40E40S	ROAD
OS00A-636	636128	40E	TANK
OS00A-636	636131	8N	LANE
OS00A-636	636137	40E	TREES
OS00A-636	636143	80E	BLDG
OS00A-636	636144	160E	BLDG
OS00A-636	636145	160E	BLDG
OS00A-636	636146	160E	BLDG
OS00A-636	636147	160E	BLDG
OS00A-636	636148	160E	BLDG
OS00A-636	636149	200E	BLDG
OS00A-636	636150	240E	BLDG
OS00A-636	636151	240E	BLDG
OS00A-636	636152	240E	BLDG
OS00A-636	636153	240E	BLDG
OS00A-636	636154	240E	BLDG
OS00A-636	636155	200E	BLDG
OS00A-636	636156	200E	BLDG
OS00A-636	636157	200E	BLDG
OS00A-636	636158	200	BLDG
OS00A-636	636163	40E	TREES
OS00A-636	636172	80W	TREES
OS00A-636	636173	40W	TREES

Line	Station	Offset	Comments
OS00A-636	636174	40W	TREES
OS00A-636	636187	120W	BLDG
OS00A-636	636188	120W	BLDG
OS00A-636	636189	120W	BLDG
OS00A-636	636190	120W	BLDG
OS00A-636	636191	120W	BLDG
OS00A-636	636192	120W	BLDG
OS00A-636	636207	40W	TREES
OS00A-636	636208	40W	TREES
OS00A-636	636209	40W	TREES
OS00A-636	636210	40W	TREES
OS00A-636	636211	40W	TREES
OS00A-636	636212	40W	TREES
OS00A-636	636213	40W	TREES
OS00A-636	636214	40W	TREES
OS00A-636	636215	40W	TREES
OS00A-636	636216	40W	TREES
OS00A-636	636217	40W	TREES
OS00A-636	636218	40W	TREES
OS00A-636	636219	40W	TREES
OS00A-636	636220	40W	TREES
OS00A-636	636221	40W	TREES
OS00A-636	636222	40W	TREES
OS00A-636	636223	40W	PL
OS00A-636	636224	40W	TREES
OS00A-636	636227	6S	ROAD
OS00A-636	636234	40W40N	CREEK
OS00A-636	636253	40E40N	WATER PL
OS00A-636	636254	40E40N	WATER PL
OS00A-636	636294	160W	PL
OS00A-636	636295	40N	40W PL
OS00A-636	636300	80E	TREES
OS00A-636	636301	80E	TREES
OS00A-636	636302	80E	TREES
OS00A-636	636303	80E	TREES
OS00A-636	636304	80E	TREES
OS00A-636	636305	80E	TREES
OS00A-636	636306	80E	TREES
OS00A-636	636307	80E	TREES
OS00A-636	636308	80E	TREES

Line	Station	Offset	Comments
OS00A-636	636310	40W	TREES
OS00A-636	636311	40W	TREES
OS00A-636	636312	40W	TREES
OS00A-636	636313	40W	TREES
OS00A-636	636314	40W	TREES
OS00A-636	636315	40W	TREES
OS00A-636	636316	40W	TREES
OS00A-636	636317	40W	TREES
OS00A-636	636318	40W	TREES
OS00A-636	636319	40W	TREES
OS00A-636	636320	40W	TREES
OS00A-636	636321	40W	TREES
OS00A-636	636322	40W	TREES
OS00A-636	636323	40W	TREES
OS00A-636	636324	40W	TREES
OS00A-636	636325	40W	TREES
OS00A-636	636326	40W	TREES
OS00A-636	636327	40W	TREES
OS00A-636	636328	40W	TREES
OS00A-636	636329	40W	TREES
OS00A-636	636330	40W	TREES
OS00A-636	636352	40E	POWER POLE
OS00A-636	636353	40E	POWER POLE
OS00A-636	636396	200E	BULL PADDOCK
OS00A-636	636397	200E	BULL PADDOCK
OS00A-636	636398	200E	BULL PADDOCK
OS00A-636	636399	200E	BULL PADDOCK
OS00A-636	636400	160E	BULL PADDOCK
OS00A-636	636401	160E	BULL PADDOCK
OS00A-636	636402	160E	BULL PADDOCK
OS00A-636	636403	160E	BULL PADDOCK
OS00A-636	636404	160E	BULL PADDOCK
OS00A-636	636405	160E	BULL PADDOCK
OS00A-636	636406	160E	BULL PADDOCK
OS00A-636	636407	160E	BULL PADDOCK
OS00A-636	636408	160E	BULL PADDOCK
OS00A-636	636409	160E	BULL PADDOCK
OS00A-636	636410	160E	BULL PADDOCK
OS00A-636	636411	200E40S	ROAD

Line	Station	Offset	Comments
OS00A-644	644105	80W	TREES
OS00A-644	644106	40W	TREES
OS00A-644	644125	80E	TANK
OS00A-644	644126	80E	TANK
OS00A-644	644127	80W	TANK
OS00A-644	644134	120W	TANK
OS00A-644	644135	160W	TANK
OS00A-644	644136	80W	TANK
OS00A-644	644137	40W	BLDG
OS00A-644	644138	40W	BLDG
OS00A-644	644139	40W	BLDG
OS00A-644	644140	40W	BLDG
OS00A-644	644153	40W	TANK
OS00A-644	644157	40W	TANK
OS00A-644	644158	80W	TANK
OS00A-644	644159	40E	TANK
OS00A-644	644164	40E	BLDG
OS00A-644	644165	80E	BLDG
OS00A-644	644166	240E	BLDG
OS00A-644	644167	200E	BLDG
OS00A-644	644168	160E	BLDG
OS00A-644	644169	120E	BLDG
OS00A-644	644175	40E	TANK
OS00A-644	644176	80W	TANK
OS00A-644	644177	40W	TANK
OS00A-644	644178	40W	TANK
OS00A-644	644186	120W	GULLY
OS00A-644	644195	9N	TREES
OS00A-644	644212	40E	TANK
OS00A-644	644216	40E	TANK
OS00A-644	644220	40E	TANK
OS00A-644	644236	40E40N	GULLY
OS00A-644	644245	40E	BLDG
OS00A-644	644246	200W	BLDG
OS00A-644	644247	200W	BLDG
OS00A-644	644248	200W	PL BLDG
OS00A-644	644249	40E	TANK
OS00A-644	644250	40E	TREES
OS00A-644	644251	40E	BLDG
OS00A-644	644268	40E40N	ROAD

Line	Station	Offset	Comments
OS00A-644	644291	40E40N	PL
OS00A-644	644309	40W	TANK
OS00A-644	644312	40W	GULLY
OS00A-644	644316	40W	TREES
OS00A-644	644317	40W	TREES
OS00A-644	644341	80E	BLDG
OS00A-644	644342	120E	BLDG
OS00A-644	644343	120E	BLDG
OS00A-644	644344	80E	BLDG
OS00A-644	644345	80E	BLDG
OS00A-644	644346	80E	BLDG
OS00A-644	644347	80E	BLDG
OS00A-644	644348	80E	BLDG
OS00A-644	644349	80E	BLDG
OS00A-644	644350	40E	BLDG
OS00A-644	644351	40E	BLDG
OS00A-644	644382	40E	TREES
OS00A-644	644383	40E	TREES
OS00A-644	644384	40E	TREES
OS00A-644	644385	40E	TREES
OS00A-644	644386	40E	TREES
OS00A-644	644387	40E	TREES
OS00A-644	644388	40E	TREES
OS00A-644	644389	40E	TREES
OS00A-644	644390	40E	TREES
OS00A-644	644398	40E	WINDMILL
OS00A-644	644399	40E	WINDMILL
OS00A-644	644411	40E40S	ROAD
OS00A-652	652113	40W	TANK
OS00A-652	652114	40W	TANK
OS00A-652	652115	40W	TANK
OS00A-652	652133	40W	POND
OS00A-652	652134	200W	BLDG
OS00A-652	652135	240W	BLDG
OS00A-652	652136	280W	BLDG
OS00A-652	652137	200E	BLDG
OS00A-652	652173	40W	GULLY
OS00A-652	652175	40W	TANK
OS00A-652	652176	80W	TANK

Line	Station	Offset	Comments
OS00A-652	652177	40W	TANK
OS00A-652	652187	160W	BLDG
OS00A-652	652188	160W	BLDG
OS00A-652	652189	200W	BLDG
OS00A-652	652190	200W	BLDG
OS00A-652	652191	160W	BLDG
OS00A-652	652192	160W	BLDG
OS00A-652	652193	160W	BLDG
OS00A-652	652194	160W	BLDG
OS00A-652	652220	120E	DAM
OS00A-652	652229	40W	TANK
OS00A-652	652230	40W	TANK
OS00A-652	652238	120W	BLDG
OS00A-652	652239	120W	BLDG
OS00A-652	652240	120W	BLDG
OS00A-652	652241	120W	BLDG
OS00A-652	652242	160W	BLDG
OS00A-652	652243	160W	BLDG
OS00A-652	652244	160W	BLDG
OS00A-652	652245	160W	BLDG
OS00A-652	652250	40W	TANK
OS00A-652	652252	120W	TREES
OS00A-652	652253	120W	TREES
OS00A-652	652254	120W	TREES
OS00A-652	652255	120W	TREES
OS00A-652	652256	120W	TREES
OS00A-652	652257	120W	TREES
OS00A-652	652258	120W	TREES
OS00A-652	652259	120W	TREES
OS00A-652	652260	80W	TREES
OS00A-652	652261	80W	TREES
OS00A-652	652262	80W	TREES
OS00A-652	652263	80W	TREES
OS00A-652	652264	80W	TREES
OS00A-652	652265	80W	TREES
OS00A-652	652266	80W	TREES
OS00A-652	652267	80W	TREES
OS00A-652	652268	80W	ROAD
OS00A-652	652269	80W	ROAD
OS00A-652	652270	80W	ROAD

Line	Station	Offset	Comments
OS00A-652	652271	80W	ROAD
OS00A-652	652272	40W	ROAD
OS00A-652	652273	40W	ROAD
OS00A-652	652274	40W	ROAD
OS00A-652	652282	120E	DAM
OS00A-652	652283	120E	DAM
OS00A-652	652284	120E	DAM
OS00A-652	652285	120E	DAM
OS00A-652	652287	40E	TANK
OS00A-652	652288	80W	PL
OS00A-652	652289	160W	PL
OS00A-652	652304	40W	CREEK
OS00A-652	652305	40W	CREEK
OS00A-652	652306	80W	CREEK
OS00A-652	652307	80W	CREEK
OS00A-652	652310	40W	TREES
OS00A-652	652311	40W	TREES
OS00A-652	652312	40W	TREES
OS00A-652	652313	40W	TANK
OS00A-652	652376	9N	TANK
OS00A-652	652390	40E	POND
OS00A-652	652391	40E	POND
OS00A-652	652392	40E	TREES
OS00A-652	652393	40E	TREES
OS00A-652	652394	40E	TREES
OS00A-652	652395	40E	TREES
OS00A-652	652396	40E	TREES
OS00A-652	652411	40W40S	ROAD
OS00A-660	660129	40W	ROAD
OS00A-660	660130	80W	ROAD
OS00A-660	660131	40E	BLDG
OS00A-660	660132	40E	BLDG
OS00A-660	660140	40E	TANK
OS00A-660	660141	40E	TANK
OS00A-660	660174	40W	DAM
OS00A-660	660175	40W	DAM
OS00A-660	660184	80W	DAM
OS00A-660	660185	120W	DAM
OS00A-660	660186	200W	DAM

Line	Station	Offset	Comments
OS00A-660	660187	200W	DAM
OS00A-660	660188	240W	DAM
OS00A-660	660189	200W	DAM
OS00A-660	660190	200W	DAM
OS00A-660	660216	80W	DAM
OS00A-660	660217	120W	DAM
OS00A-660	660218	120W	DAM
OS00A-660	660237	40W40S	CREEK
OS00A-660	660238	80W80S	BLDG
OS00A-660	660239	120W120 S	BLDG
OS00A-660	660240	160W160 S	BLDG
OS00A-660	660241	200W200 S	BLDG
OS00A-660	660250	40W	CREEK
OS00A-660	660251	80W	CREEK
OS00A-660	660252	40E	CREEK
OS00A-660	660281	80W	TREES
OS00A-660	660282	40W	TREES
OS00A-660	660286	40W	PL
OS00A-660	660287	40E	PL
OS00A-660	660291	40E	TREES
OS00A-660	660293	80W	TREES
OS00A-660	660309	40E40S	TREES
OS00A-660	660324	40W	GULLY
OS00A-660	660340	40W	TANK
OS00A-660	660346	120W	BLDG
OS00A-660	660347	120W	BLDG
OS00A-660	660348	200W	BLDG
OS00A-660	660349	200W	BLDG
OS00A-660	660350	200E	BLDG
OS00A-660	660351	200E	BLDG
OS00A-660	660352	240E	BLDG
OS00A-660	660353	240E	BLDG
OS00A-660	660354	200E	BLDG
OS00A-660	660355	200E	BLDG
OS00A-660	660356	200E	BLDG
OS00A-660	660391	6S	TREES
OS00A-660	660411	40E40S	ROAD

Line	Station	Offset	Comments
OS00A-668	668117	40W	TREES
OS00A-668	668118	120W	TREES
OS00A-668	668119	120W	TREES
OS00A-668	668120	80W	BLDG
OS00A-668	668121	80W	BLDG
OS00A-668	668122	80W	BLDG
OS00A-668	668123	80E	BLDG
OS00A-668	668124	80E	BLDG
OS00A-668	668125	80E	BLDG
OS00A-668	668126	80E	BLDG
OS00A-668	668127	80E	BLDG
OS00A-668	668128	80E	BLDG
OS00A-668	668129	40E	BLDG
OS00A-668	668134	8S	TREES
OS00A-668	668139	80W	TANK
OS00A-668	668140	80W	TANK
OS00A-668	668146	80W	GATES
OS00A-668	668172	40E	TANK
OS00A-668	668173	40E	TANK
OS00A-668	668183	40W	CREEK
OS00A-668	668184	40W	CREEK
OS00A-668	668185	80W	CREEK
OS00A-668	668186	120W	CREEK
OS00A-668	668188	160E	RIVER
OS00A-668	668189	120E	RIVER
OS00A-668	668190	80E	RIVER
OS00A-668	668191	40E	RIVER
OS00A-668	668193	120E	RIVER
OS00A-668	668194	200E	RIVER
OS00A-668	668195	240E	RIVER
OS00A-668	668196	200W	CREEK
OS00A-668	668197	120W	CREEK
OS00A-668	668198	120W	CREEK
OS00A-668	668199	40W	CREEK
OS00A-668	668203	40W	CREEK
OS00A-668	668204	120W	CREEK
OS00A-668	668205	120W	CREEK
OS00A-668	668206	40W	CREEK
OS00A-668	668207	40W	CREEK
OS00A-668	668208	40W	CREEK

Line	Station	Offset	Comments
OS00A-668	668209	80W	CREEK
OS00A-668	668210	120W	CREEK
OS00A-668	668211	160W	CREEK
OS00A-668	668212	120W	CREEK
OS00A-668	668213	160W	QUARRY
OS00A-668	668214	200W	QUARRY
OS00A-668	668215	240W	QUARRY
OS00A-668	668216	240W	CREEK
OS00A-668	668217	160W	CREEK
OS00A-668	668218	120W	CREEK
OS00A-668	668219	120W	CREEK
OS00A-668	668220	120W	CREEK
OS00A-668	668221	80W	CREEK
OS00A-668	668222	80W	CREEK
OS00A-668	668223	40W	CREEK
OS00A-668	668224	40W	CREEK
OS00A-668	668225	40W	CREEK
OS00A-668	668226	80W	CREEK
OS00A-668	668227	80W	CREEK
OS00A-668	668228	160W	CREEK
OS00A-668	668229	200W	CREEK
OS00A-668	668230	240W	CREEK
OS00A-668	668231	280W	CREEK
OS00A-668	668232	280W	RIVER
OS00A-668	668233	280W	CREEK
OS00A-668	668234	200W	CREEK
OS00A-668	668235	240W	CREEK
OS00A-668	668236	280W40S	BLDG
OS00A-668	668237	280W40S	BLDG
OS00A-668	668239	80E	QUARRY
OS00A-668	668242	12W7S	SP RIVER
OS00A-668	668281	280W	DEER PARK
OS00A-668	668282	280W	ROAD
OS00A-668	668283	240W	ROAD
OS00A-668	668284	200W	ROAD
OS00A-668	668285	240W	PL
OS00A-668	668286	120W	ROAD
OS00A-668	668287	90W	ROAD
OS00A-668	668288	70W	ROAD
OS00A-668	668289	40W	ROAD

Line	Station	Offset	Comments
OS00A-668	668291	40E	ROAD
OS00A-668	668294	40E	DAM
OS00A-668	668295	40E	DAM
OS00A-668	668300	40W	TREES
OS00A-668	668301	40W	TREES
OS00A-668	668302	40W	TREES
OS00A-668	668303	40W	TREES
OS00A-668	668304	40W	TREES
OS00A-668	668305	40W	TREES
OS00A-668	668306	40E	TREES
OS00A-668	668307	40E	TREES
OS00A-668	668308	40E	BLDG
OS00A-668	668309	80E40S	TREES
OS00A-668	668310	40E	TREES
OS00A-668	668311	40E	TREES
OS00A-668	668312	40E	TREES
OS00A-668	668313	80E	TREES
OS00A-668	668314	40E	TREES
OS00A-668	668315	40E	TREES
OS00A-668	668316	80E	TANK
OS00A-668	668317	80E	TANK
OS00A-668	668322	160W	TREES
OS00A-668	668323	160W	YARDS
OS00A-668	668324	160W	YARDS
OS00A-668	668325	160W	YARDS
OS00A-668	668326	120W	YARDS
OS00A-668	668327	120W	YARDS
OS00A-668	668328	120W	YARDS
OS00A-668	668329	120W	YARDS
OS00A-668	668330	120W	YARDS
OS00A-668	668331	120W	YARDS
OS00A-668	668332	40E	TREES
OS00A-668	668333	40E	TREES
OS00A-668	668334	40E	PL
OS00A-668	668335	40E	PL
OS00A-668	668336	80E	PL
OS00A-668	668341	40E	TANK
OS00A-668	668360	40W	TANK
OS00A-668	668375	40W	BLDG
OS00A-668	668376	40W	BLDG

Line	Station	Offset	Comments
OS00A-668	668377	40W	BLDG
OS00A-668	668378	40W	BLDG
OS00A-668	668381	40W	TANK
OS00A-668	668382	40W	TANK
OS00A-668	668411	40W40S	ROAD
OS00A-676	676121	40W	ROAD
OS00A-676	676122	40W	ROAD
OS00A-676	676123	40W	ROAD
OS00A-676	676124	40W	ROAD
OS00A-676	676125	15N	ROAD
OS00A-676	676138	120E	BLDG
OS00A-676	676139	200E	BLDG
OS00A-676	676140	200E	BLDG
OS00A-676	676141	200E	BLDG
OS00A-676	676142	200E	BLDG
OS00A-676	676150	80E	BLDG
OS00A-676	676151	120E	BLDG
OS00A-676	676152	120E	BLDG
OS00A-676	676153	120E	BLDG
OS00A-676	676154	120E	BLDG
OS00A-676	676155	120E	BLDG
OS00A-676	676156	120E	BLDG
OS00A-676	676157	80E	FENCE
OS00A-676	676158	80E	FENCE
OS00A-676	676183	160E	RIVER
OS00A-676	676184	120E	RIVER
OS00A-676	676185	120E	RIVER
OS00A-676	676186	40E	RIVER
OS00A-676	676198	80E	TREES
OS00A-676	676199	80E	TREES
OS00A-676	676200	80E	TREES
OS00A-676	676201	80E	TREES
OS00A-676	676202	120E	TREES
OS00A-676	676203	160E	TREES
OS00A-676	676218	40E	TREES
OS00A-676	676237	40E	WATER PL
OS00A-676	676238	40E40N	WATER PL
OS00A-676	676239	80E	BLDG
OS00A-676	676240	80E	BLDG

Line	Station	Offset	Comments
OS00A-676	676241	80E	BLDG
OS00A-676	676242	80E	TREES
OS00A-676	676243	80E	TREES
OS00A-676	676244	160E	TREES
OS00A-676	676245	160E	TREES
OS00A-676	676246	160E	TREES
OS00A-676	676247	160E	TREES
OS00A-676	676248	160E	TREES
OS00A-676	676249	160E	TREES
OS00A-676	676250	80E	CREEK
OS00A-676	676251	80E	CREEK
OS00A-676	676252	120W	CREEK
OS00A-676	676253	120W	CREEK
OS00A-676	676254	80W	CREEK
OS00A-676	676255	80W	CREEK
OS00A-676	676256	160W	RIVER
OS00A-676	676257	40W	TREES
OS00A-676	676268	40E	TANK
OS00A-676	676282	120E	PL
OS00A-676	676289	40E120S	DEER FARM
OS00A-676	676290	40E120S	DEER FARM
OS00A-676	676291	40E120S	DEER FARM
OS00A-676	676292	240W	CREEK
OS00A-676	676293	200W	CREEK
OS00A-676	676294	160W	CREEK
OS00A-676	676295	120W	CREEK
OS00A-676	676303	40E	BLDG
OS00A-676	676304	120E	BLDG
OS00A-676	676305	160E	BLDG
OS00A-676	676306	200E	BLDG
OS00A-676	676307	200E	BLDG
OS00A-676	676308	200E	BLDG
OS00A-676	676316	40W	ROAD
OS00A-676	676317	40W	ROAD
OS00A-676	676318	40W	ROAD
OS00A-676	676319	40W	ROAD
OS00A-676	676323	80E	BLDG
OS00A-676	676324	80E	BLDG
OS00A-676	676325	80E	BLDG
OS00A-676	676326	80E	BLDG

Line	Station	Offset	Comments
OS00A-676	676327	80E	BLDG
OS00A-676	676328	80E	BLDG
OS00A-676	676329	40E	BLDG
OS00A-676	676332	40W10S	POWER
OS00A-676	676333	40W10N	POWER
OS00A-676	676334	40W	ROAD
OS00A-676	676335	40W	ROAD
OS00A-676	676336	40W	ROAD
OS00A-676	676337	80W	BLDG
OS00A-676	676338	120W	BLDG
OS00A-676	676339	120W	BLDG
OS00A-676	676340	120W	BLDG
OS00A-676	676341	120W	BLDG
OS00A-676	676342	120W	BLDG
OS00A-676	676343	120W	BLDG
OS00A-676	676344	80W	BLDG
OS00A-676	676345	80W	BLDG
OS00A-676	676346	40W	ROAD
OS00A-676	676347	40W	ROAD
OS00A-676	676348	40W	ROAD
OS00A-676	676349	40W	ROAD
OS00A-676	676350	40W	ROAD
OS00A-676	676351	40W	ROAD
OS00A-676	676352	40W	ROAD
OS00A-676	676353	40W	ROAD
OS00A-676	676354	40W	ROAD
OS00A-676	676355	40W	ROAD
OS00A-676	676357	80W	PL
OS00A-676	676358	80W	PL
OS00A-676	676359	40W	ROAD
OS00A-676	676360	40W	ROAD
OS00A-676	676361	40W	ROAD
OS00A-676	676362	40W	ROAD
OS00A-676	676363	40W	ROAD
OS00A-676	676364	40W	ROAD
OS00A-676	676365	40W	ROAD
OS00A-676	676366	40W	ROAD
OS00A-676	676367	40W	ROAD
OS00A-676	676368	40W	ROAD
OS00A-676	676369	40W	ROAD

Line	Station	Offset	Comments
OS00A-676	676370	40W	ROAD
OS00A-676	676371	40W	ROAD
OS00A-676	676372	40W	ROAD
OS00A-676	676373	40W	ROAD
OS00A-676	676374	40W	ROAD
OS00A-676	676375	40W	ROAD
OS00A-676	676376	40W	ROAD
OS00A-676	676377	80E	BLDG
OS00A-676	676378	80E	BLDG
OS00A-676	676379	80E	BLDG
OS00A-676	676380	120W	BLDG
OS00A-676	676381	40W	ROAD
OS00A-676	676382	40W	ROAD
OS00A-676	676383	40W	ROAD
OS00A-676	676384	40W	ROAD
OS00A-676	676385	40W	ROAD
OS00A-676	676386	40W	ROAD
OS00A-676	676387	40W	ROAD
OS00A-676	676388	40W	ROAD
OS00A-676	676389	40W	ROAD
OS00A-676	676390	40W	ROAD
OS00A-676	676391	40W	ROAD
OS00A-676	676392	40W	ROAD
OS00A-676	676393	40W	ROAD
OS00A-676	676394	40W	ROAD
OS00A-676	676395	40W	ROAD
OS00A-676	676396	40W	ROAD
OS00A-676	676397	40W	ROAD
OS00A-676	676398	40W	ROAD
OS00A-676	676399	40W	ROAD
OS00A-676	676400	40W	ROAD
OS00A-676	676401	40W	ROAD
OS00A-676	676402	40W	ROAD
OS00A-676	676403	40W	ROAD
OS00A-676	676404	40W	ROAD
OS00A-676	676405	40W	ROAD
OS00A-676	676406	40W	ROAD
OS00A-676	676407	40W	ROAD
OS00A-676	676408	40W	ROAD
OS00A-676	676409	40W	ROAD

Line	Station	Offset	Comments
OS00A-676	676410	40W	ROAD
OS00A-676	676411	40W	ROAD
OS00A-684	684100	6N	FENCE
OS00A-684	684118	40E	ROAD
OS00A-684	684140	80W	BLDG
OS00A-684	684141	80W	BLDG
OS00A-684	684142	80W	BLDG
OS00A-684	684143	80W	BLDG
OS00A-684	684153	40E	TREES
OS00A-684	684154	40E	TREES
OS00A-684	684155	40E	TREES
OS00A-684	684156	80E	TREES
OS00A-684	684176	40W	SP RIVER
OS00A-684	684178	120W	SP RIVER
OS00A-684	684180	280E	TREES
OS00A-684	684181	200E	TREES
OS00A-684	684182	160E	TREES
OS00A-684	684183	160E	TREES
OS00A-684	684184	120E	TREES
OS00A-684	684185	120E	TREES
OS00A-684	684186	120E	TREES
OS00A-684	684187	80E	TREES
OS00A-684	684188	80E	TREES
OS00A-684	684189	40E	TREES
OS00A-684	684206	40W	SLOPE
OS00A-684	684207	40W	TREES
OS00A-684	684208	40W	TREES
OS00A-684	684209	40W	TREES
OS00A-684	684210	40W	TREES
OS00A-684	684217	80E	CREEK
OS00A-684	684236	80W	WATER PL
OS00A-684	684237	200E	WATER PL
OS00A-684	684238	120E	ROAD
OS00A-684	684239	40E	DAM
OS00A-684	684240	80E	TANK
OS00A-684	684241	120E	TANK
OS00A-684	684242	120E	BLDG
OS00A-684	684243	40E	TANK
OS00A-684	684244	40E	TANK

Line	Station	Offset	Comments
OS00A-684	684260	40W	CREEK
OS00A-684	684269	40E	TANK
OS00A-684	684270	40E	TANK
OS00A-684	684273	40E	TREES
OS00A-684	684274	40E	TREES
OS00A-684	684275	40E	TREES
OS00A-684	684276	8W	LANE
OS00A-684	684279	80W	PL
OS00A-684	684280	80E	PL
OS00A-684	684288	40W40S	CREEK
OS00A-684	684289	80W80S	CREEK
OS00A-684	684290	40W40N	HILL
OS00A-684	684298	40E	DAM
OS00A-684	684299	40E	DAM
OS00A-684	684300	40E	DAM
OS00A-684	684301	40E	CREEK
OS00A-684	684302	40E	CREEK
OS00A-684	684303	40E	CREEK
OS00A-684	684304	40E	CREEK
OS00A-684	684305	40E	CREEK
OS00A-684	684306	40E	CREEK
OS00A-684	684317	80E	YARDS
OS00A-684	684318	80E	YARDS
OS00A-684	684319	80E	YARDS
OS00A-684	684320	80E	YARDS
OS00A-684	684321	80E	YARDS
OS00A-692	692121	80W	TREES
OS00A-692	692122	80W	TREES
OS00A-692	692123	80W	TREES
OS00A-692	692124	80W	TREES
OS00A-692	692230	160W	TREES
OS00A-692	692231	160W	TREES
OS00A-692	692232	160W	TREES
OS00A-692	692233	160W	TREES
OS00A-692	692234	160W	TREES
OS00A-692	692235	160W	TREES
OS00A-692	692259	40W	HILL
OS00A-692	692260	40W	HILL
OS00A-692	692261	80W	HILL

Line	Station	Offset	Comments
OS00A-692	692267	40E40S	SP RIVER
OS00A-692	692281	40W	IRRIGATION
OS00A-692	692282	40W	IRRIGATION
OS00A-692	692283	120W	IRRIGATION
OS00A-692	692286	40E	CREEK
OS00A-692	692287	40E	CREEK
OS00A-692	692288	120E7N	CREEK
OS00A-692	692289	160E40S	CREEK
OS00A-692	692290	40E	CREEK
OS00A-692	692291	40E	HILL
OS00A-700	700119	9N	TREES
OS00A-700	700122	40E	TREES
OS00A-700	700123	80E	TREES
OS00A-700	700124	40E	TREES
OS00A-700	700125	40E	TREES
OS00A-700	700126	40E	TREES
OS00A-700	700127	40E	TREES
OS00A-700	700128	40E	TREES
OS00A-700	700129	40E	TREES
OS00A-700	700130	40E	TREES
OS00A-700	700131	40E	TREES
OS00A-700	700137	40W	TREES
OS00A-700	700172	40E	TREES
OS00A-700	700173	40E	TREES
OS00A-700	700177	40W	TREES
OS00A-700	700225	80E	BLDG
OS00A-700	700226	80E	BLDG
OS00A-700	700227	240E	PL
OS00A-700	700228	160E	BLDG
OS00A-700	700229	120E	BLDG
OS00A-700	700230	80E	BLDG
OS00A-700	700231	40E	ROAD
OS00A-700	700235	8N	ROAD
OS00A-700	700256	80E	CREEK
OS00A-700	700257	40E	CREEK
OS00A-700	700260	40E	CREEK
OS00A-700	700261	120E	CREEK
OS00A-700	700262	80E	CREEK
OS00A-700	700263	80E	CREEK

Line	Station	Offset	Comments
OS00A-700	700264	80E	CREEK
OS00A-700	700265	120E	CREEK
OS00A-700	700266	200E	CREEK
OS00A-708	708116	160W	TREES
OS00A-708	708117	240W	TREES
OS00A-708	708118	280W	TREES
OS00A-708	708119	280W	TREES
OS00A-708	708120	280W	TREES
OS00A-708	708121	240W	TREES
OS00A-708	708122	200W	TREES
OS00A-708	708123	200W	TREES
OS00A-708	708124	200W	TREES
OS00A-708	708125	200W	TREES
OS00A-708	708126	200W	TREES
OS00A-708	708127	200W	TREES
OS00A-708	708128	200W	TREES
OS00A-708	708129	200W	TREES
OS00A-708	708130	200W	TREES
OS00A-708	708131	200W	TREES
OS00A-708	708132	200W	TREES
OS00A-708	708133	200W	TREES
OS00A-708	708134	200W	TREES
OS00A-708	708135	160W	TREES
OS00A-708	708136	160W	TREES
OS00A-708	708137	160W	TREES
OS00A-708	708138	280W	TREES
OS00A-708	708139	280W	TREES
OS00A-708	708140	280W	TREES
OS00A-708	708141	280W	TREES
OS00A-708	708142	280W	TREES
OS00A-708	708143	280W	TREES
OS00A-708	708144	280W	TREES
OS00A-708	708145	280W	TREES
OS00A-708	708160	80W	SP RIVER
OS00A-708	708199	40W	TREES
OS00A-708	708200	40W	TREES
OS00A-708	708209	80W	BLDG
OS00A-708	708210	80W	BLDG
OS00A-708	708211	80E	TANK

Line	Station	Offset	Comments
OS00A-708	708212	80E	TANK
OS00A-708	708213	40E	TANK
OS00A-708	708218	80E	BLDG
OS00A-708	708219	200E	BLDG
OS00A-708	708220	160E	BLDG
OS00A-708	708221	160E	TANK
OS00A-708	708222	80E	WATER PL
OS00A-708	708223	40E	WATER PL
OS00A-708	708225	40E	TANK
OS00A-708	708226	40E	TANK
OS00A-708	708240	40W	TANK
OS00A-708	708246	40W	GULLY
OS00A-708	708247	40W	GULLY
OS00A-708	708266	40W	GULLY
OS00A-708	708267	240W	SP HILL
OS00A-716	716125	80E	TREES
OS00A-716	716126	80E	TREES
OS00A-716	716127	80E	TREES
OS00A-716	716128	80E	TREES
OS00A-716	716129	80E	TREES
OS00A-716	716130	80E	TREES
OS00A-716	716131	80E	TREES
OS00A-716	716132	80E	TREES
OS00A-716	716133	80E	TREES
OS00A-716	716134	80E	TREES
OS00A-716	716135	80E	TREES
OS00A-716	716136	80E	TREES
OS00A-716	716137	80E	TREES
OS00A-716	716148	280W	CREEK
OS00A-716	716149	280W	CREEK
OS00A-716	716150	240W	CREEK
OS00A-716	716151	200W	CREEK
OS00A-716	716152	160W	CREEK
OS00A-716	716153	160W	CREEK
OS00A-716	716154	120W	CREEK
OS00A-716	716155	80W	CREEK
OS00A-716	716156	280E	TREES
OS00A-716	716157	240E	TREES
OS00A-716	716158	240E	TREES

Line	Station	Offset	Comments
OS00A-716	716159	240E	TREES
OS00A-716	716160	240E	TREES
OS00A-716	716161	280E40S	CREEK
OS00A-716	716162	200E	TREES
OS00A-716	716163	160E	TREES
OS00A-716	716164	120E	TREES
OS00A-716	716165	120E	TREES
OS00A-716	716166	120E	TREES
OS00A-716	716167	80W	TREES
OS00A-716	716168	40W	TREES
OS00A-716	716169	40W	HILL
OS00A-716	716213	40W	WATER PL
OS00A-716	716214	80W	WATER PL
OS00A-716	716215	120W	WATER PL
OS00A-716	716225	40E	TANK
OS00A-716	716226	40E	TANK
OS00A-724	724116	80E	TREES
OS00A-724	724117	80E	TREES
OS00A-724	724118	80E	TREES
OS00A-724	724119	80E	TREES
OS00A-724	724120	80E	TREES
OS00A-724	724121	80E	TREES
OS00A-724	724122	80E	TREES
OS00A-724	724123	80E	TREES
OS00A-724	724124	80E	TREES
OS00A-724	724125	80E	TREES
OS00A-724	724135	40W	CREEK
OS00A-724	724136	120W	CREEK
OS00A-724	724137	160W	CREEK
OS00A-724	724138	240W	CREEK
OS00A-724	724154	40E	GULLY
OS00A-724	724162	80W	TREES
OS00A-724	724171	80E	TREES
OS00A-724	724190	40W	TANK
OS00A-724	724191	40W	TANK
OS00A-724	724205	40W	WATER PL
OS00A-724	724206	40E	WATER PL
OS00A-724	724207	40E	TREES
OS00A-724	724227	40W	FENCE

Line	Station	Offset	Comments
OS00A-732	732127	40W	CREEK
OS00A-732	732128	80W	CREEK
OS00A-732	732129	120W	CREEK
OS00A-732	732130	160W	CREEK
OS00A-732	732131	200W	CREEK
OS00A-732	732134	80E13N	RIVER
OS00A-732	732135	200E	CREEK
OS00A-732	732136	160E	CREEK
OS00A-732	732137	120E	CREEK
OS00A-732	732138	120E	CREEK
OS00A-732	732139	80E	CREEK
OS00A-732	732140	80E	TREES
OS00A-732	732141	80E	TREES
OS00A-732	732142	80E	TREES
OS00A-732	732143	120E	TREES
OS00A-732	732144	120E	TREES
OS00A-732	732145	160E	TREES
OS00A-732	732155	40W	TANK
OS00A-732	732156	40W	TANK
OS00A-732	732165	80E	TANK
OS00A-732	732193	40W	BLDG
OS00A-732	732194	80W	BLDG
OS00A-732	732195	120W	BLDG
OS00A-732	732196	120W	BLDG
OS00A-732	732197	120W	BLDG
OS00A-732	732198	120W	BLDG
OS00A-732	732199	120W	BLDG
OS00A-732	732200	160W	WATER PL
OS00A-732	732210	40W	FENCE
OS00A-732	732215	40W	TANK
OS00A-732	732216	40E	TANK
OS00A-732	732223	40E	FENCE
OS00A-740	740130	40E	SP RIVER
OS00A-740	740146	180W	DAM
OS00A-740	740147	180W	DAM
OS00A-740	740148	180W	DAM
OS00A-740	740149	200W	TREES
OS00A-740	740150	200W	TREES

Line	Station	Offset	Comments
OS00A-740	740151	200W	TREES
OS00A-740	740152	200W	TREES
OS00A-740	740153	200W	TREES
OS00A-740	740154	200W	TREES
OS00A-740	740155	240W	TREES
OS00A-740	740156	240W	TREES
OS00A-740	740161	40E	BLDG
OS00A-740	740162	40E	BLDG
OS00A-740	740163	40E	BLDG
OS00A-740	740181	16W	TANK
OS00A-740	740183	40W	TANK
OS00A-740	740184	40W	BLDG
OS00A-740	740185	80W	BLDG
OS00A-740	740186	120W	BLDG
OS00A-740	740187	120W	BLDG
OS00A-740	740188	120W	BLDG
OS00A-740	740189	120W	BLDG
OS00A-740	740190	120W	BLDG
OS00A-740	740191	120W	IRR
OS00A-740	740192	40W	WATER PL
OS00A-740	740193	80W	WATER PL
OS00A-740	740194	120W	IRRIGATION
OS00A-740	740195	160W	DAM
OS00A-740	740196	160W	DAM
OS00A-740	740197	160W	DAM
OS00A-740	740198	160W	BLDG
OS00A-740	740199	160W	BLDG
OS00A-740	740200	160W	BLDG
OS00A-740	740201	160W	BLDG
OS00A-748	748116	40W	CREEK
OS00A-748	748120	40W	CREEK
OS00A-748	748121	80W	CREEK
OS00A-748	748122	80W	CREEK
OS00A-748	748123	40W	CREEK
OS00A-748	748124	40W	CREEK
OS00A-748	748125	40W	CREEK
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OS00A-748	748127	40W	CREEK
OS00A-748	748128	80W14S	CREEK

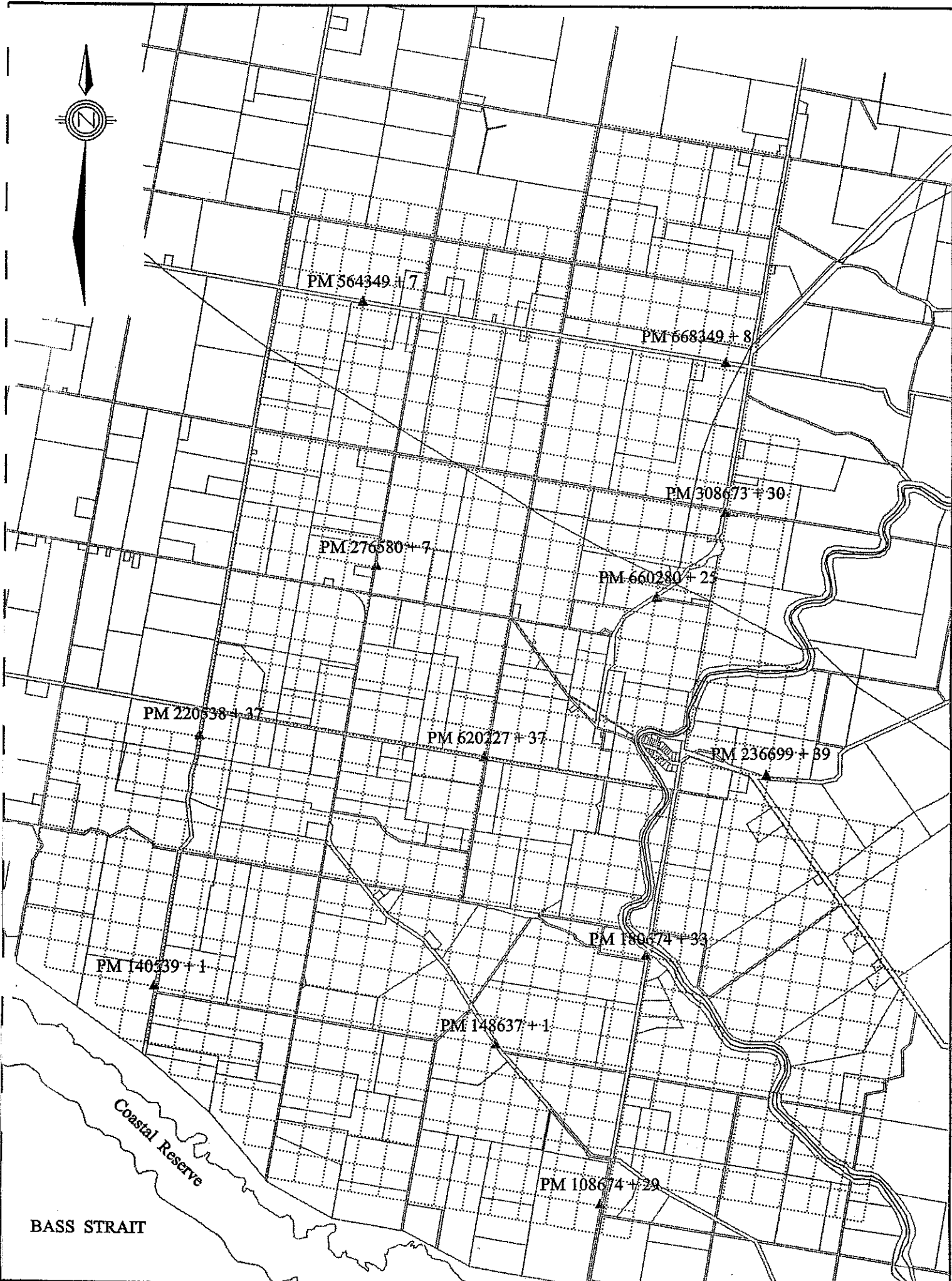
Line	Station	Offset	Comments
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OS00A-748	748139	200W	IRRIGATION
OS00A-748	748140	200W	IRRIGATION
OS00A-748	748141	200W	IRRIGATION
OS00A-748	748142	200W	IRRIGATION
OS00A-748	748143	200W	IRRIGATION
OS00A-748	748144	200W	IRRIGATION
OS00A-748	748145	200W	IRRIGATION
OS00A-748	748146	240E	TREES
OS00A-748	748147	160E	TREES
OS00A-748	748148	120E	TREES
OS00A-748	748149	40E	TREES
OS00A-748	748157	9N	TREES
OS00A-748	748161	40W	TREES
OS00A-748	748162	40W	TREES
OS00A-748	748163	40W	TREES
OS00A-748	748166	80W	TREES
OS00A-748	748173	200W	BLDG
OS00A-748	748174	200W	BLDG
OS00A-748	748175	200W	BLDG
OS00A-748	748176	200W	BLDG
OS00A-748	748177	200W	BLDG
OS00A-748	748178	160W	BLDG
OS00A-748	748179	120W	BLDG
OS00A-748	748180	80W	BLDG
OS00A-748	748181	40W	BLDG
OS00A-748	748182	120W	WATER PL
OS00A-748	748183	120W	WATER PL

APPENDIX E – EMP LISTING

The following is a list of Environmental Monitor Points placed and surveyed during the OS00A Seismic Survey:

EMP #	Easting	Northing	Line
EMP 1	654 471.7	5 734 654.6	OS00A-S532
EMP 2	654 761.0	5 734 497.0	OS00A-R212
EMP 3	657 082.7	5 734 729.2	OS00A-S596
EMP 4	659 142.9	5 739 264.5	OS00A-R348
EMP 5	659 968.8	5 736 410.1	OS00A-S660
EMP 6	659 695.4	5 736 243.7	OS00A-R276
EMP 7	659 980.5	5 734 252.9	OS00A-R228
EMP 8	659 885.4	5 732 319.5	OS00A-R180

APPENDIX F – PERMANENT MARKER LOCATION SKETCHES



PM 564349 + 7

PM 568349 + 8

PM 308673 + 30

PM 276580 + 7

PM 660280 + 23

PM 220538 + 37

PM 620227 + 37

PM 236699 + 39

PM 140539 + 1

PM 180674 + 33

PM 148637 + 1

PM 108674 + 29

Coastal Reserve

BASS STRAIT

Scale
Not to Scale
Date
08/03/00

Rev. A
Dwg
CV-Key

Title
Curdie Vale 3D
Key Plan

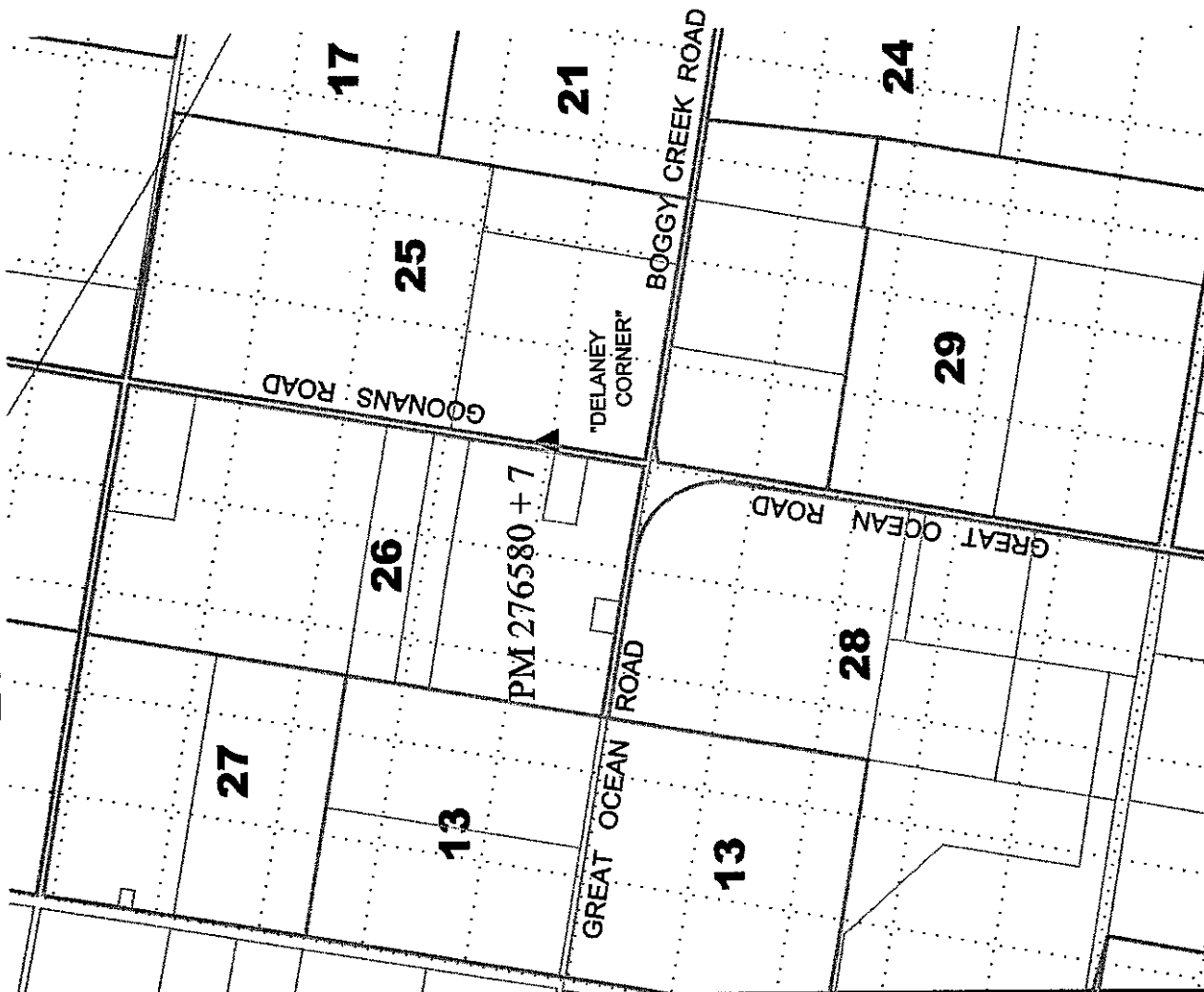
Schlumberger

LOCATION PLAN



Datum		Key		Scale		Title	
ADG 66		E 652309.19		N.T.S		Rev A	
NIRRANDA PM 1		Zone 54		Date		Dwg	
FLAXMANS HILL		AHD (der)		08/03/00		CV-PM-2	
		Number Refers to					
		58					
		Permit Forms and					
		Landowner Listing					

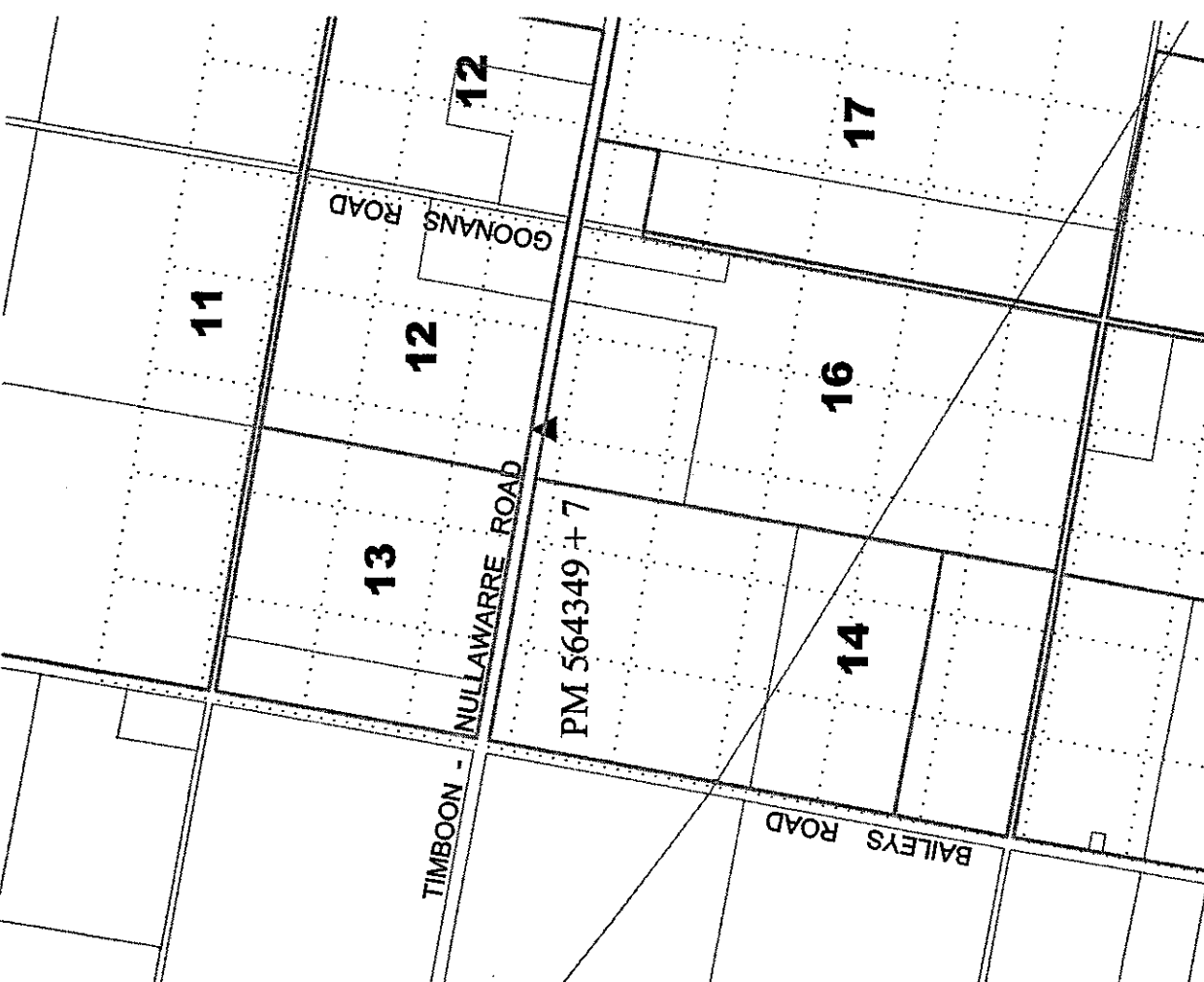
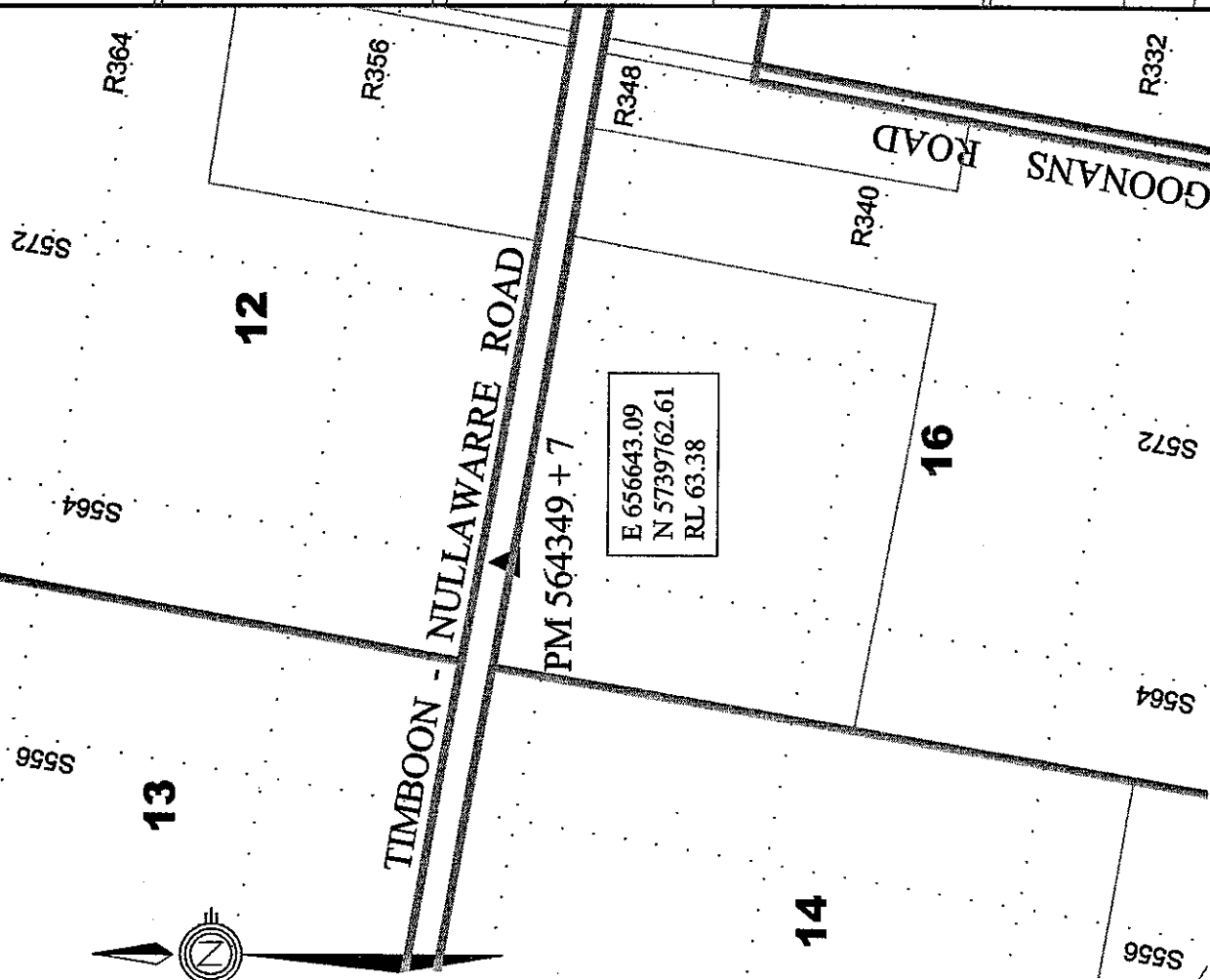
LOCATION PLAN



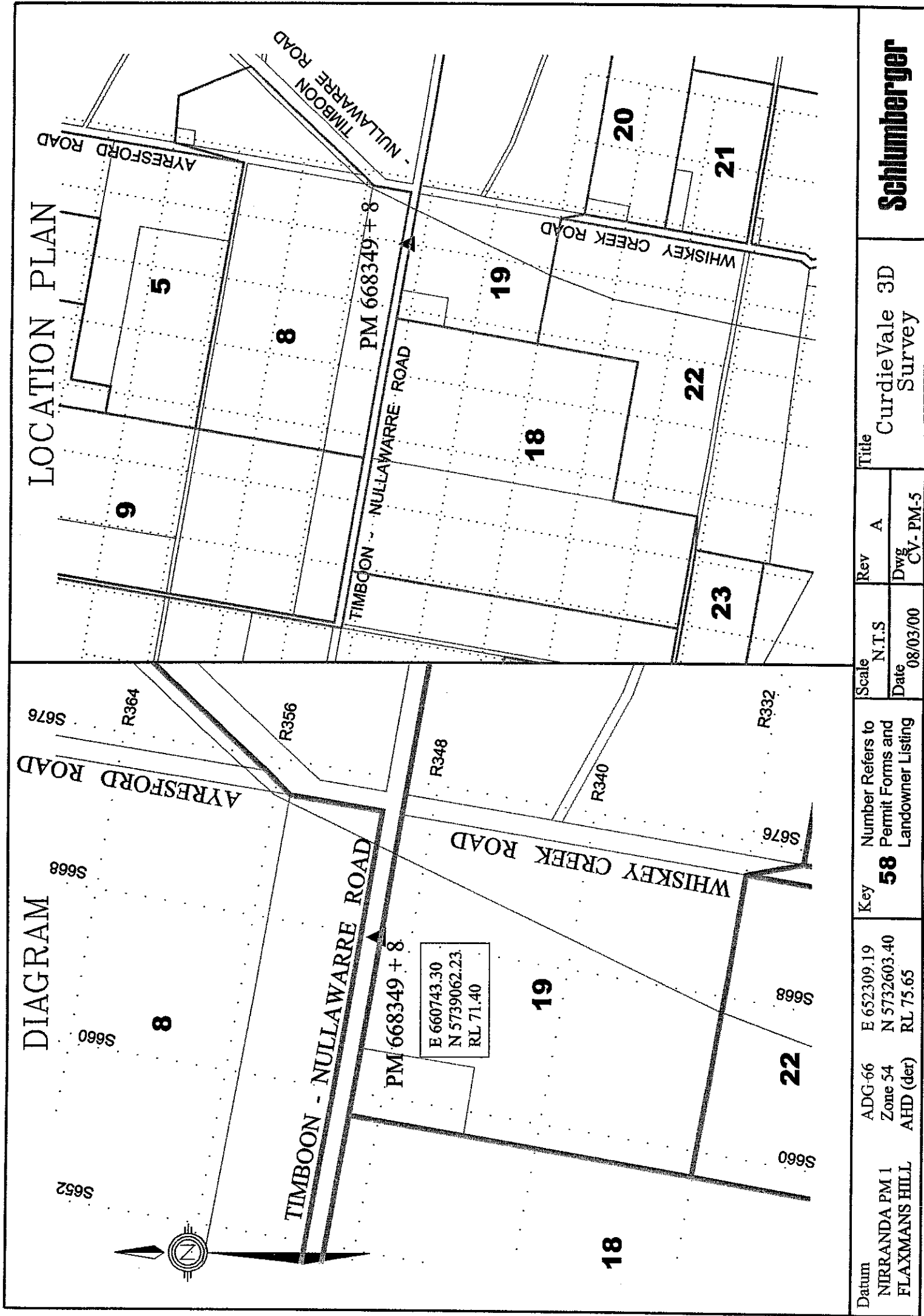
Datum		ADG 66		E 652309.19		Key		Number Refers to		Scale		Rev		Title	
NIRRANDA PM 1		Zone 54		N 5732603.40		58		Permit Forms and		N.T.S		A		CurdieVale 3D	
FLAXMANS HILL		AHD (der)		RL 75.65				Landowner Listing		Date		Dwg		Survey	
										08/03/00		CV-PM-3			

DIAGRAM

LOCATION PLAN



Datum NIRRANDA PM 1 FLAXMANS HILL	ADG 66 Zone 54 AHD (der)	E 652309.19 N 5732603.40 RL 75.65	Key 58 Number Refers to Permit Forms and Landowner Listing	Scale N.T.S	Rev A	Title CurdieVale 3D Survey	Schlumberger
				Date 08/03/00	Dwg CV-PM-4		



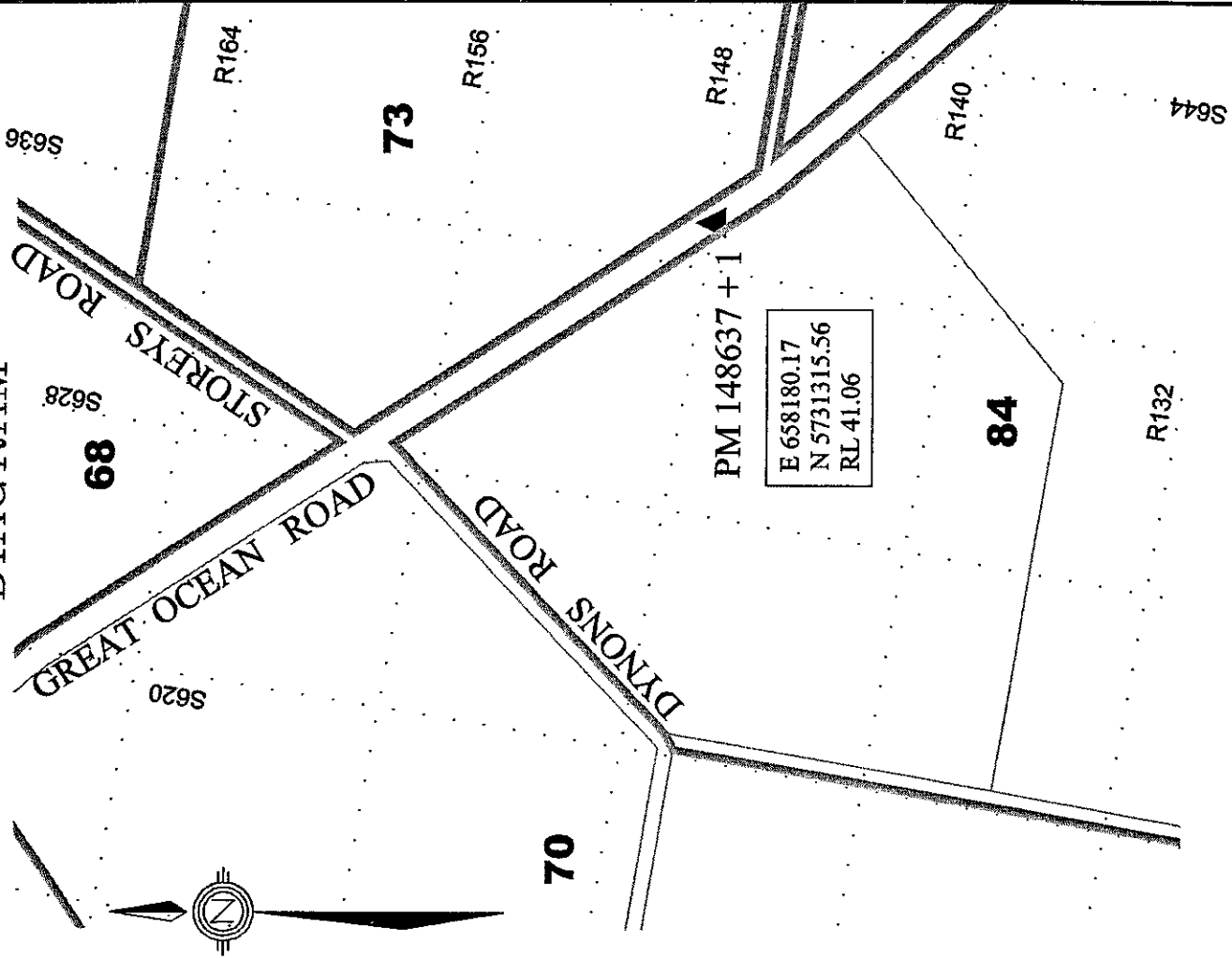
LOCATION PLAN



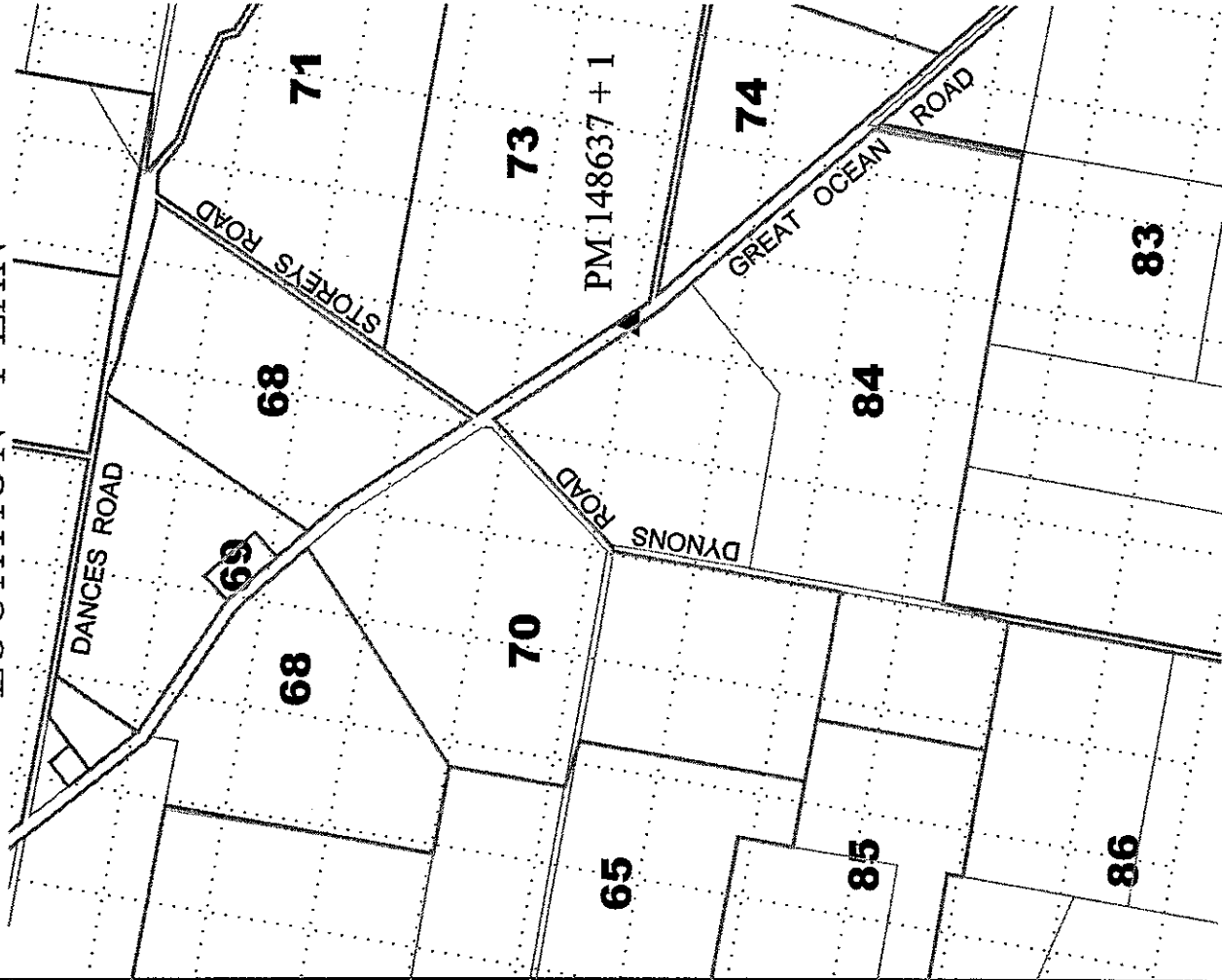
Datum	ADG 66 NIRRANDA PM 1 FLAXMANS HILL	E 652309.19 N 5732603.40 RL 75.65	Key	Number Refers to 58 Permit Forms and Landowner Listing	Scale	N.T.S.	Rev	A	Title
					Date	08/03/00	Dwg	CV-PM-6	CurdieVale 3D Survey

Schlumberger

DIAGRAM

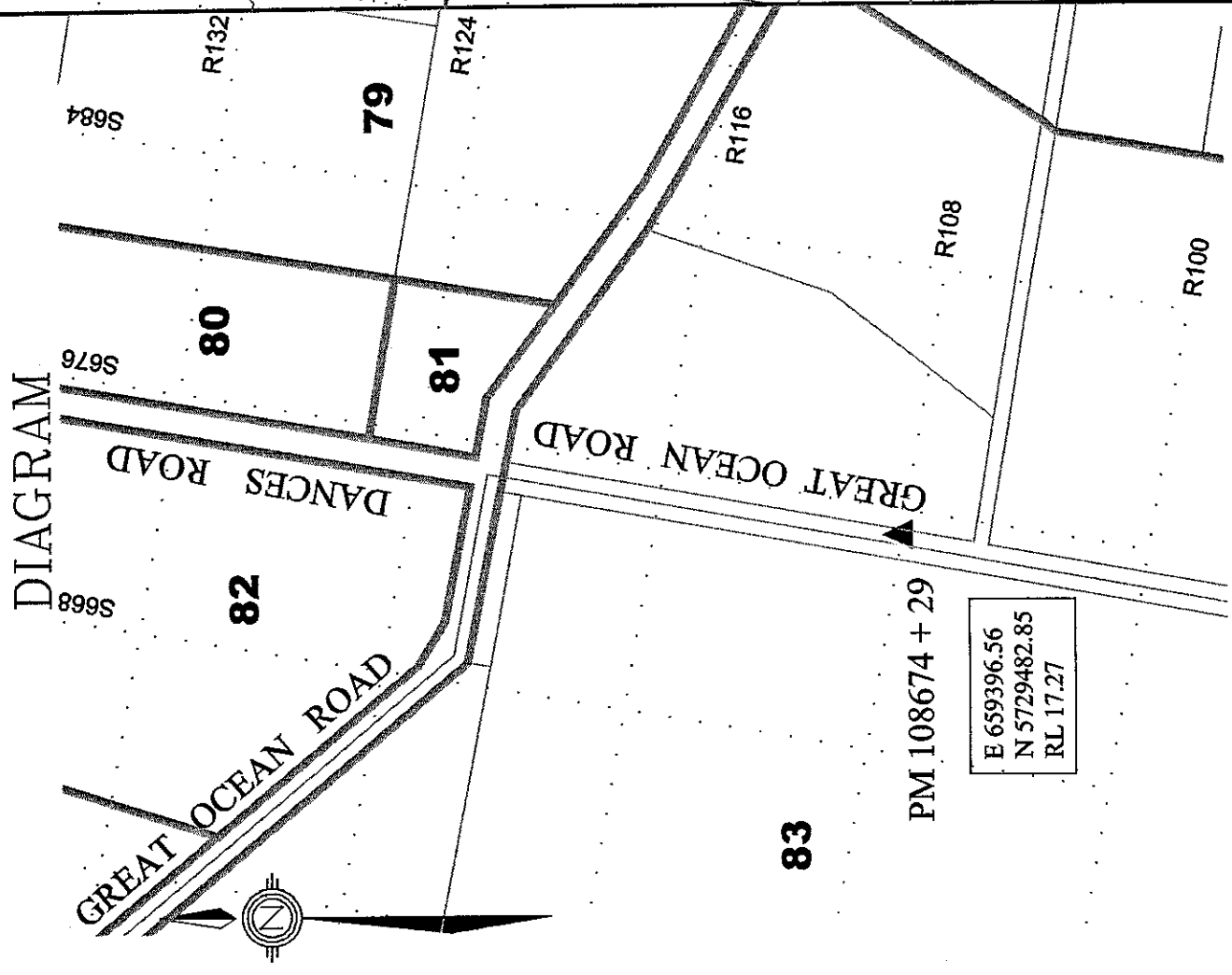


LOCATION PLAN

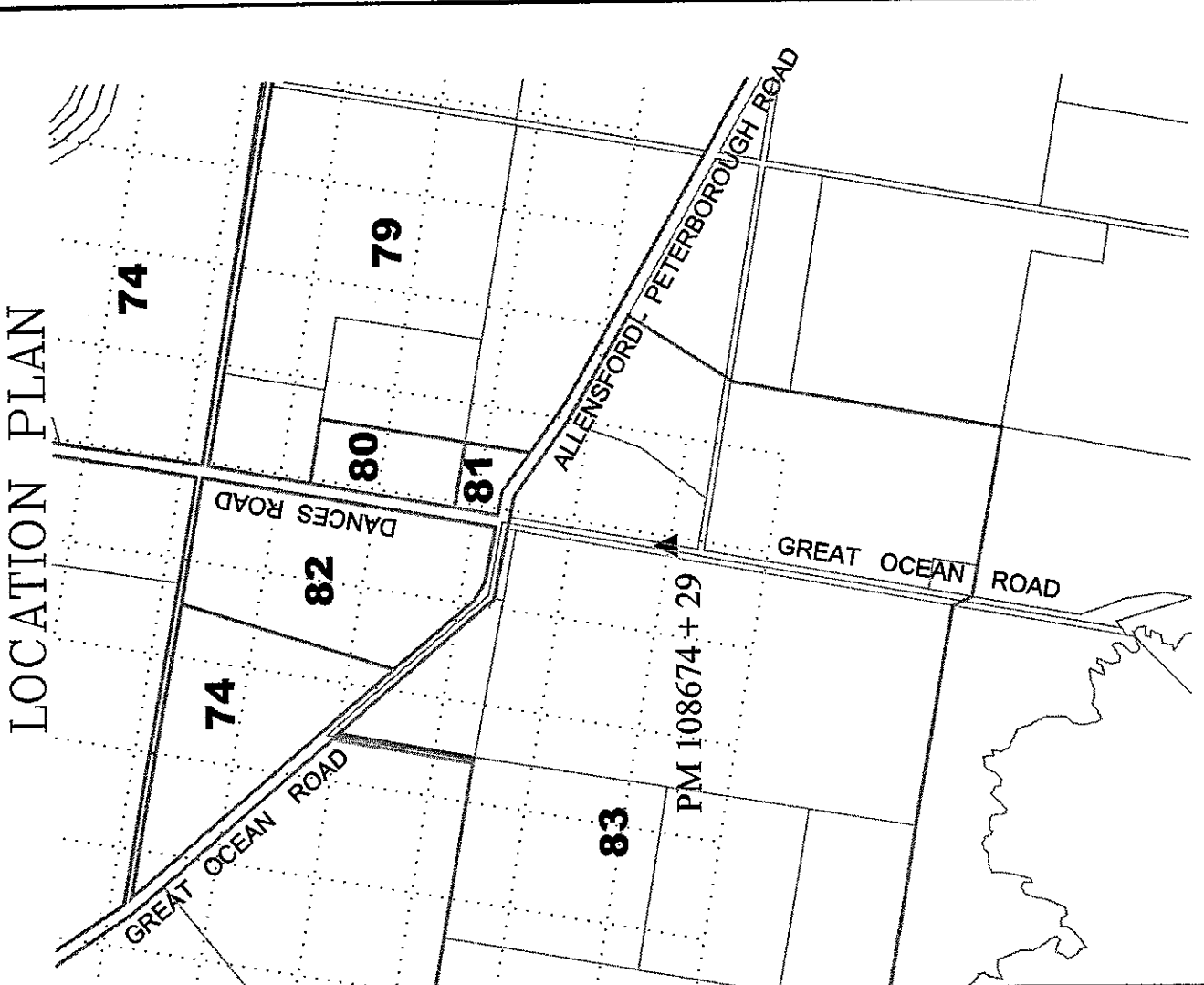


Datum	ADG 66 NIRRANDA PM 1 FLAXMANS HILL	Zone 54 AHD (der)	E 652309.19 N 5732603.40 RL 75.65	Key 58	Number Refers to Permit Forms and Landowner Listing	Scale N.T.S.	Rev A	Title CurdieVale 3D Survey	Schlumberger
						Date 08/03/00	Dwg CV-PM-7		

DIAGRAM

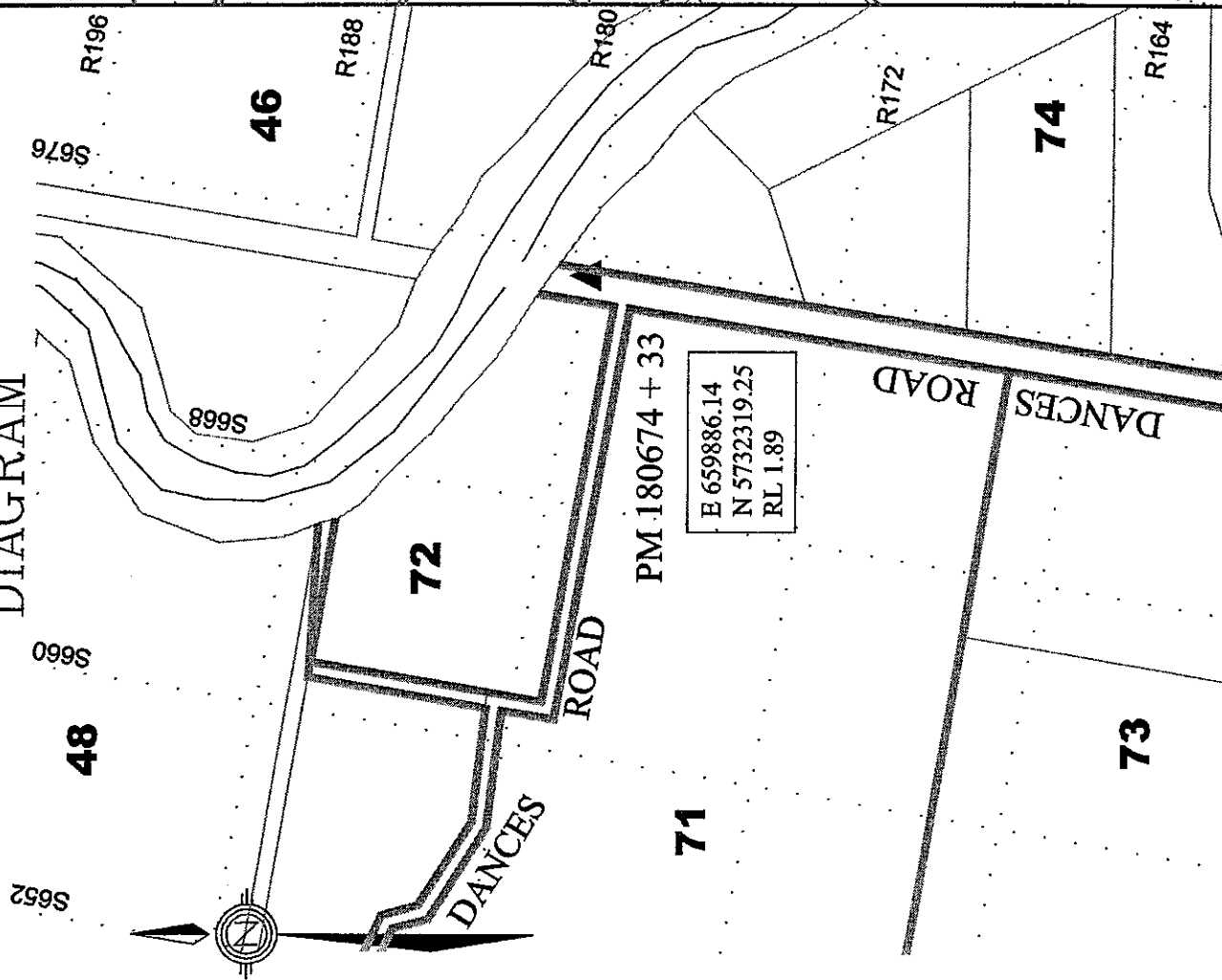


LOCATION PLAN



Datum NIRRANDA PM 1 FLAXMANS HILL			ADG 66 Zone 54 AHD (der)		E 652309.19 N 5732603.40 RL 75.65		Key 58 Number Refers to Permit Forms and Landowner Listing	Scale N.T.S		Rev A	Title Curdie Vale 3D Survey	Schlumberger
								Date 08/03/00	Dwg CV-PM-8			

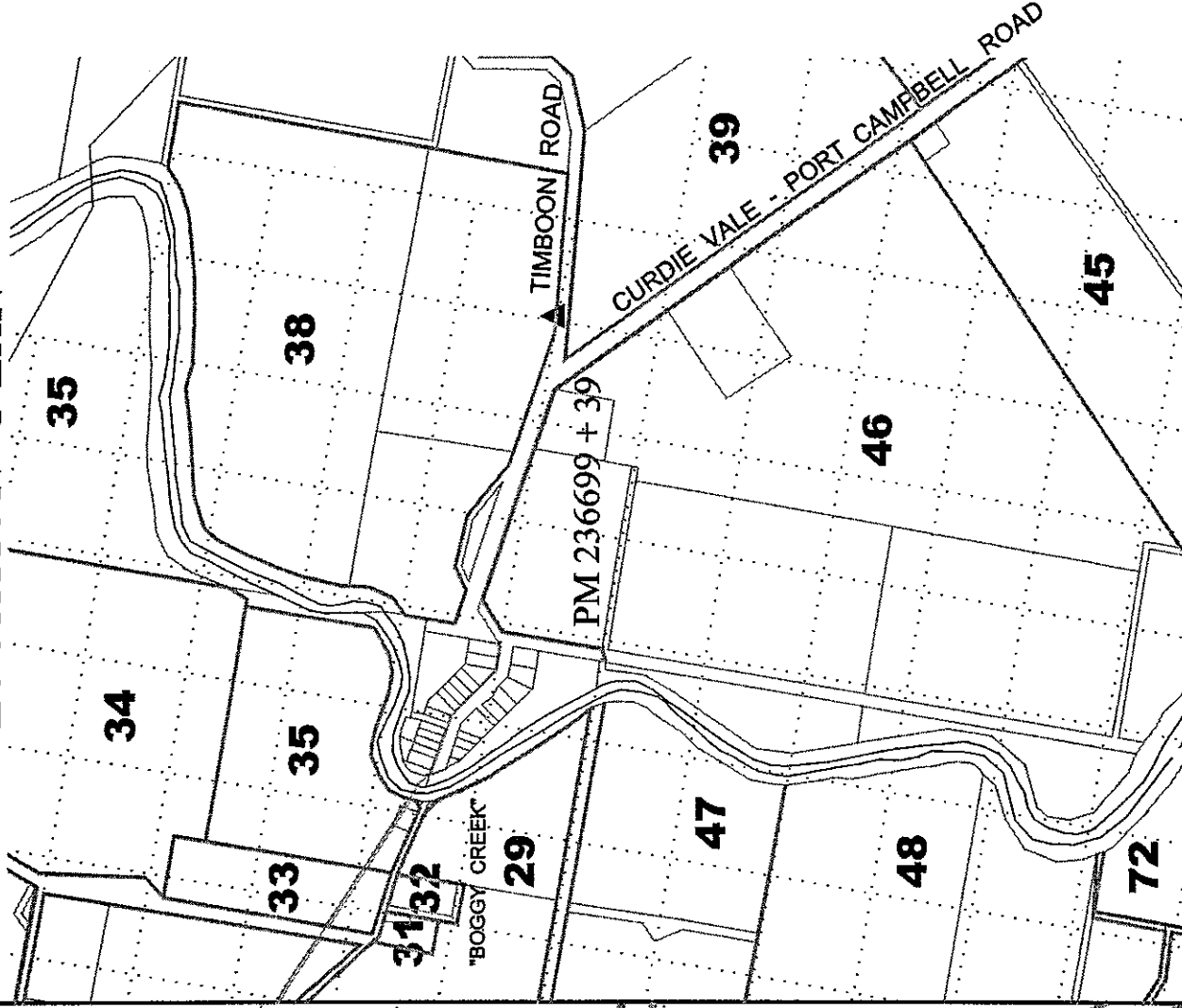
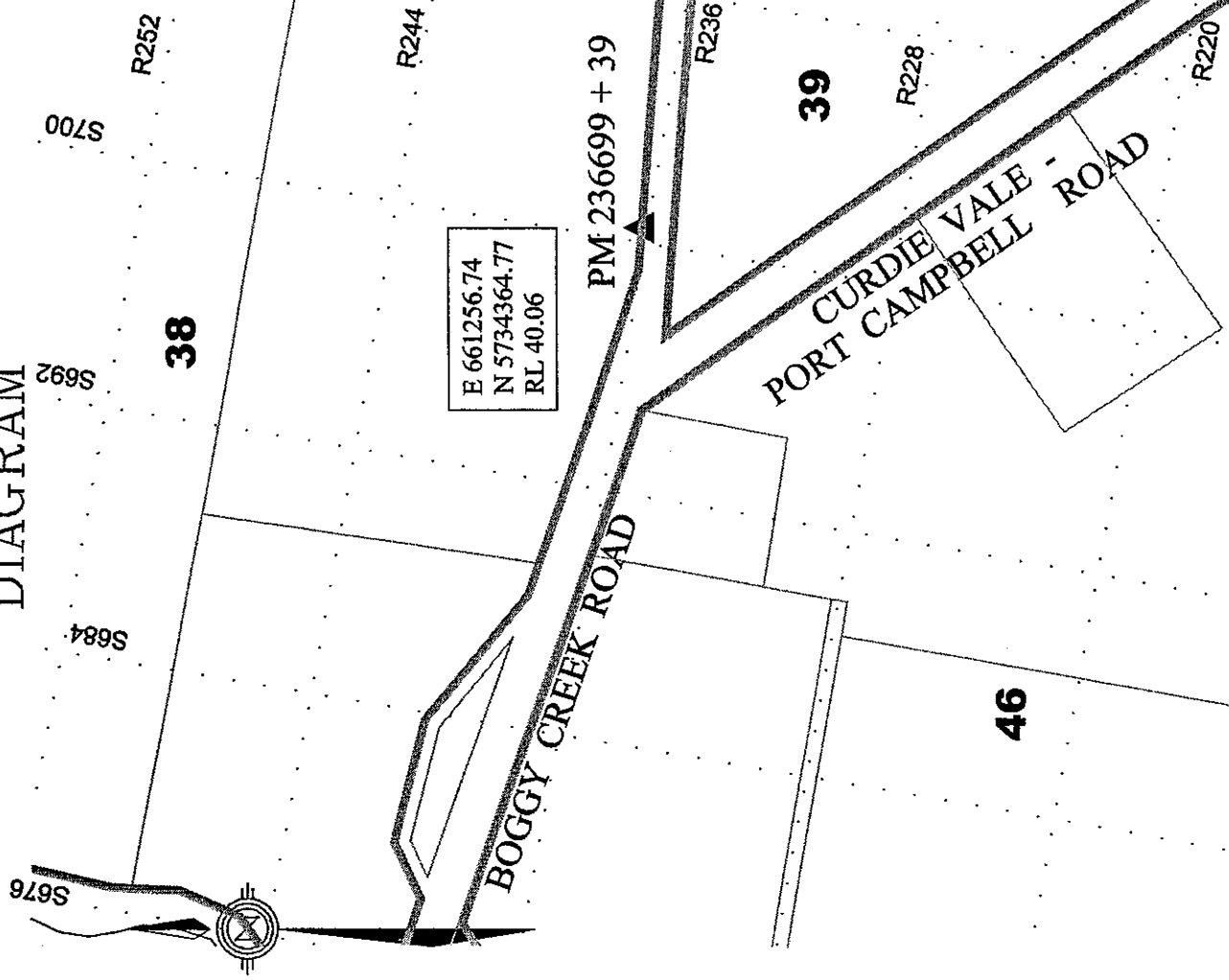
LOCATION PLAN



Datum		ADG 66	E 652309.19	Key	Number Refers to 58 Permit Forms and Landowner Listing	Scale N.T.S	Rev A	Title CurdieVale 3D Survey	Schlumberger
NIRRANDA PM 1		Zone 54	N 5732603.40						
FLAXMANS HILL		AHD (der)	RL 75.65						
						Date 08/03/00	Dwg CV-PM-9		

DIAGRAM

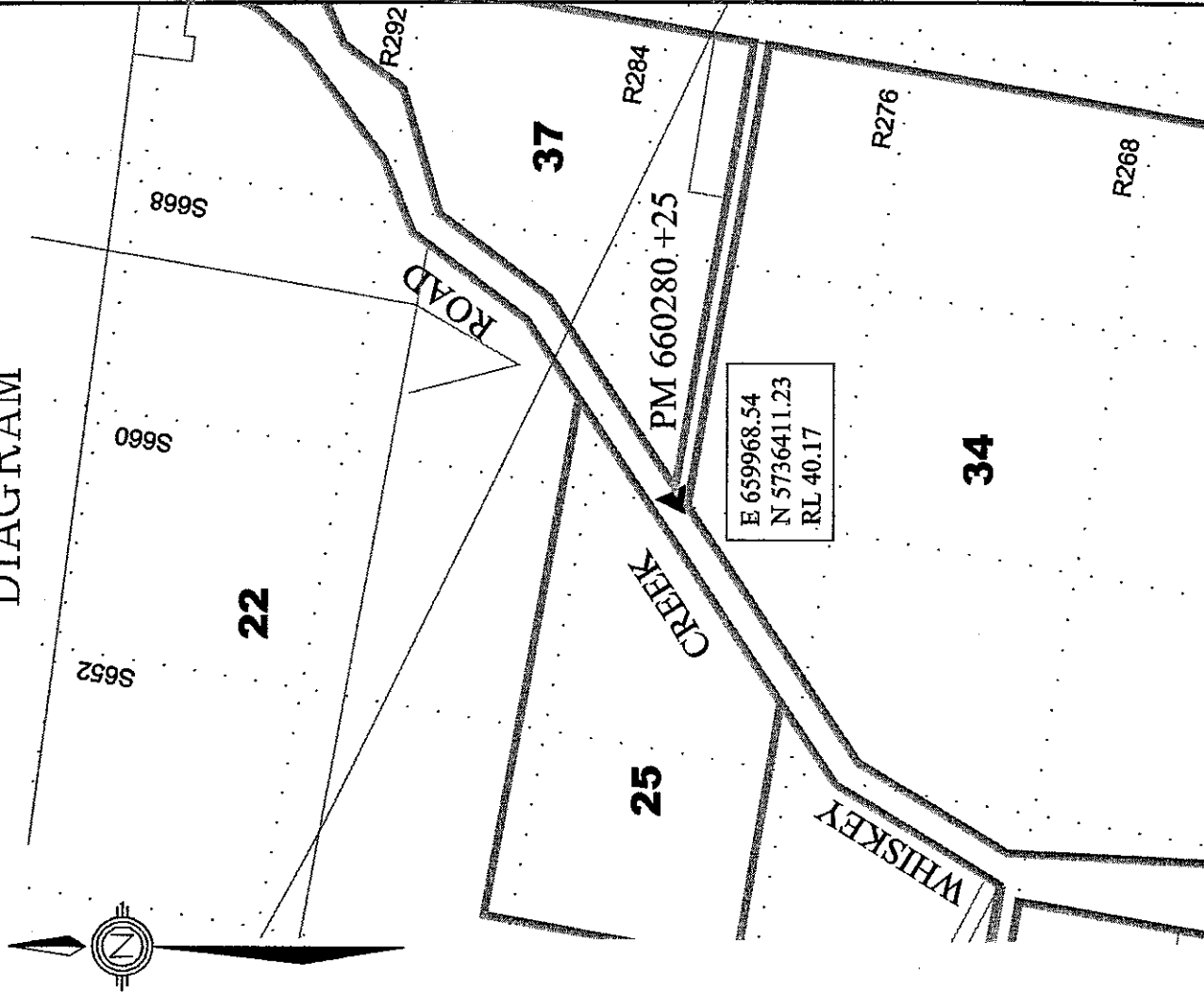
LOCATION PLAN



Datum	ADG 66	Zone 54	AHD (der)	Key	Number Refers to Permit Forms and Landowner Listing	Scale	Rev	Title	Schlumberger
NIRRANDA PM 1	ADG 66	Zone 54	AHD (der)	58	Number Refers to Permit Forms and Landowner Listing	N.T.S	A	CurdieVale 3D Survey	Schlumberger
FLAXMANS HILL						Date	Dwg		
						08/03/00	CV- PM-10		

DIAGRAM

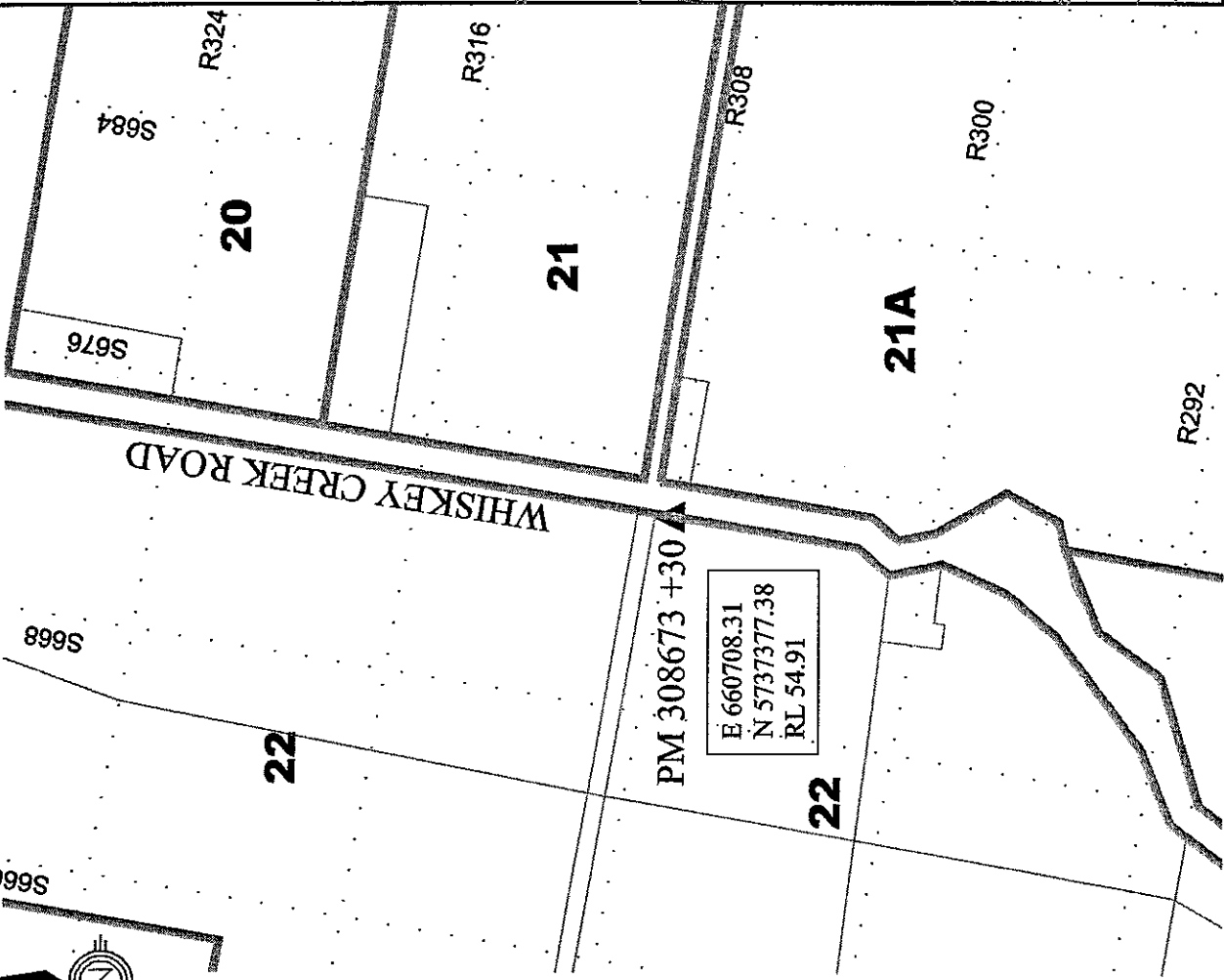
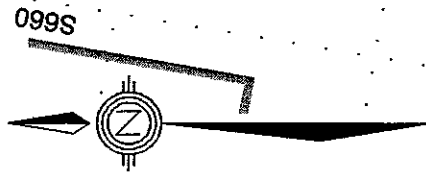
LOCATION PLAN



Datum			ADG 66	E 652309.19	Key	Number Refers to 58 Permit Forms and Landowner Listing	Scale	Rev	Title	Schlumberger
NIRRANDA PM 1			Zone 54	N 5732603.40			N.T.S	A		
FLAXMANS HILL			AHD (der)	RL 75.65	Date	08/03/00	Dwg	CV-PM-11		

DIAGRAM

LOCATION PLAN

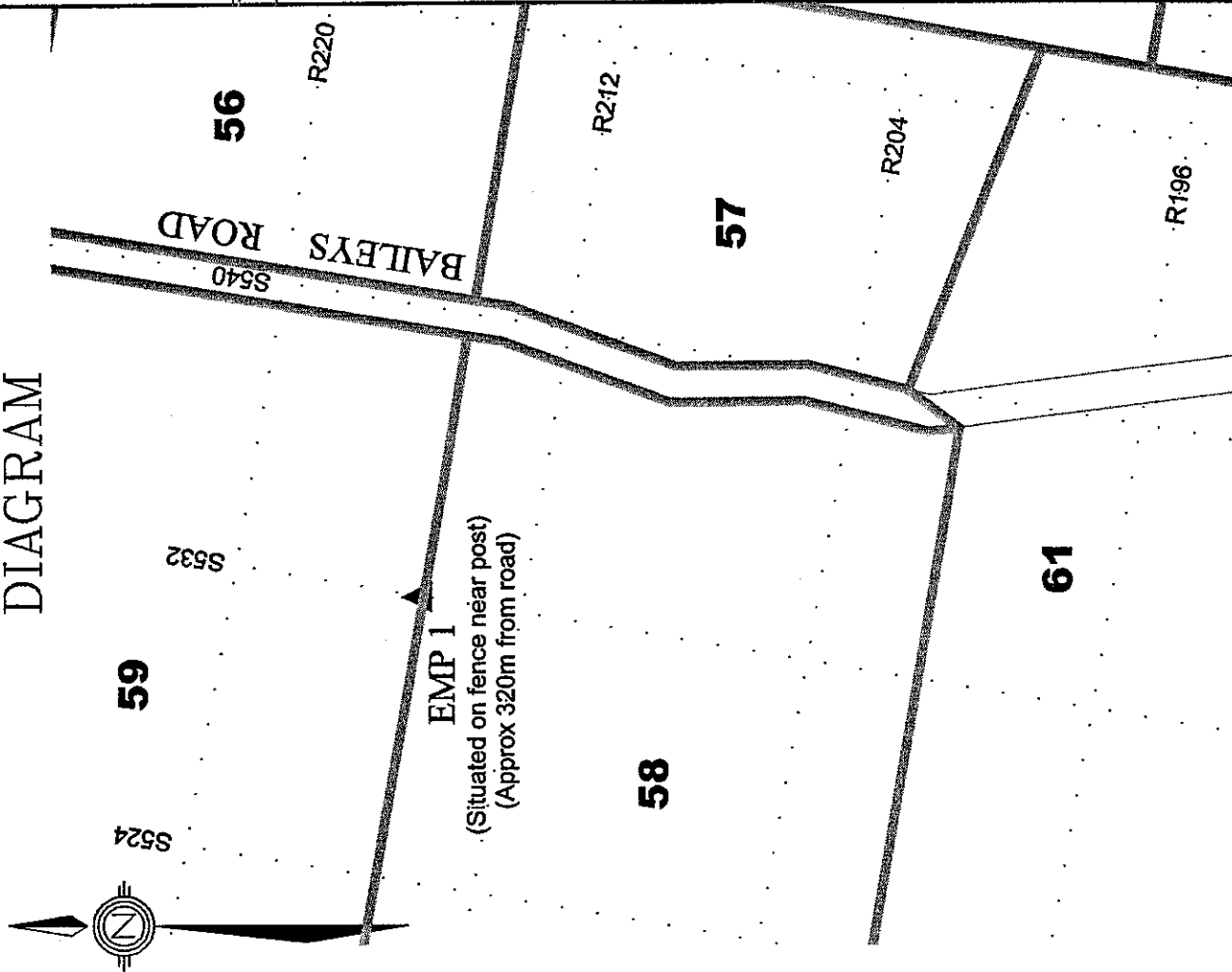


Datum	ADG 66	E 652309.19	Key	Number Refers to Permit Forms and Landowner Listing	Scale	Rev	Title	
							A	
NIRRANDA PM 1	Zone 54	N 5732603.40	58		N.T.S			CurdieVale 3D Survey
FLAXMANS HILL	AHD (der)	RL 75.65			Date	Dwg	CV- PM-12	
					08/03/00			

Schlumberger

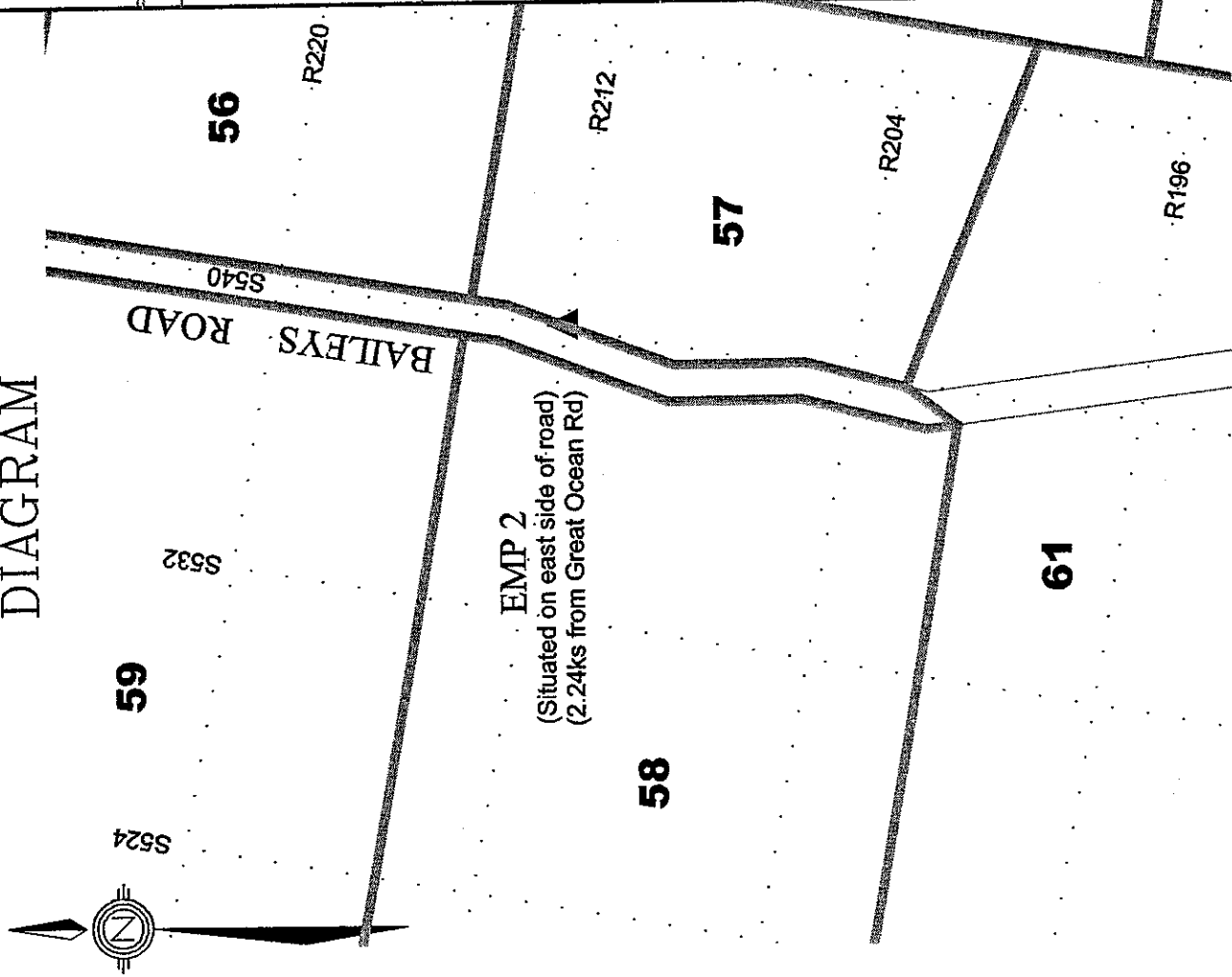
APPENDIX G – EMP LOCATION SKETCHES

LOCATION PLAN

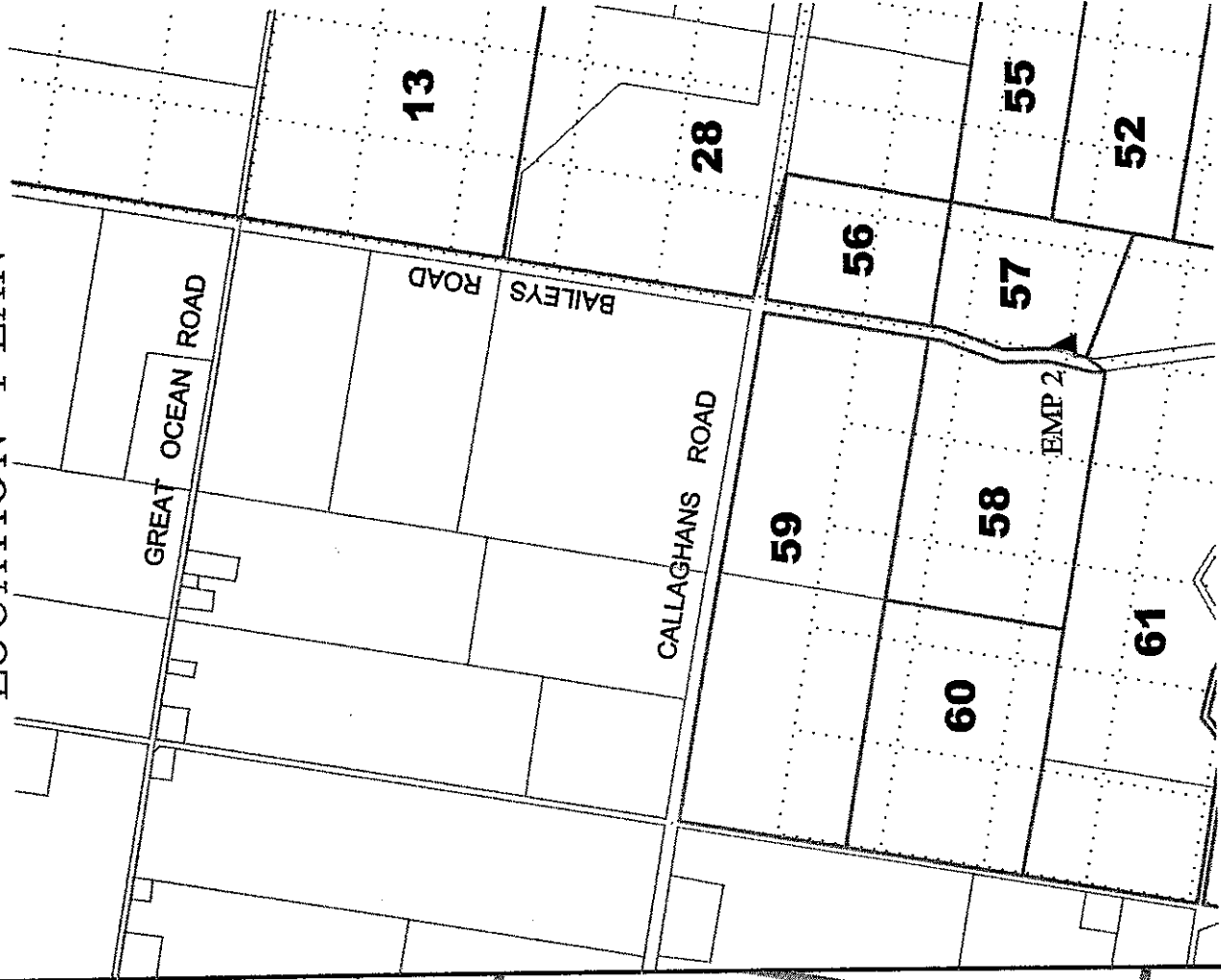


Co-ordinates ADG 66 Zone 54	654471 E 5734654 N	38° 31' 22" S 142° 46' 19" E	Key 58 Number Refers to Permit Forms and Landowner Listing	Scale		Rev A	Title EMP 1 Curdie Vale 3D
				N.T.S			
				Date 23/02/00	Dwg CV-EMP-1		
Schlumberger							

DIAGRAM



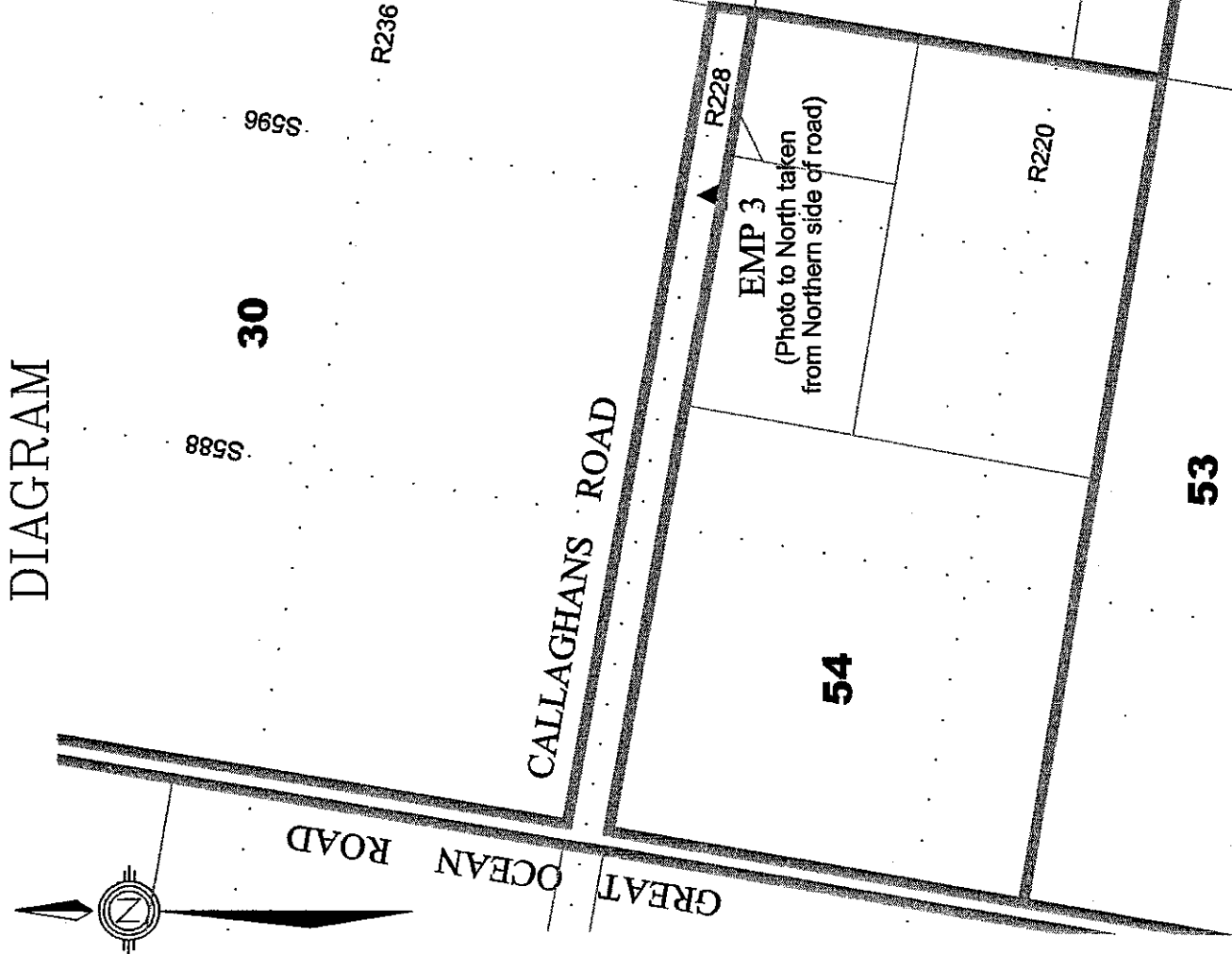
LOCATION PLAN



Co-ordinates ADG 66 Zone 54	654761 E 5734497 N	38° 31' 27" S 142° 46' 31" E	Key 58	Number Refers to Permit Forms and Landowner Listing	Scale	Rev	Title	Schlumberger
					N.T.S.	A		
					Date	Dwg	Curdie Vale 3D	
		23/02/00	CV-EMP-2					

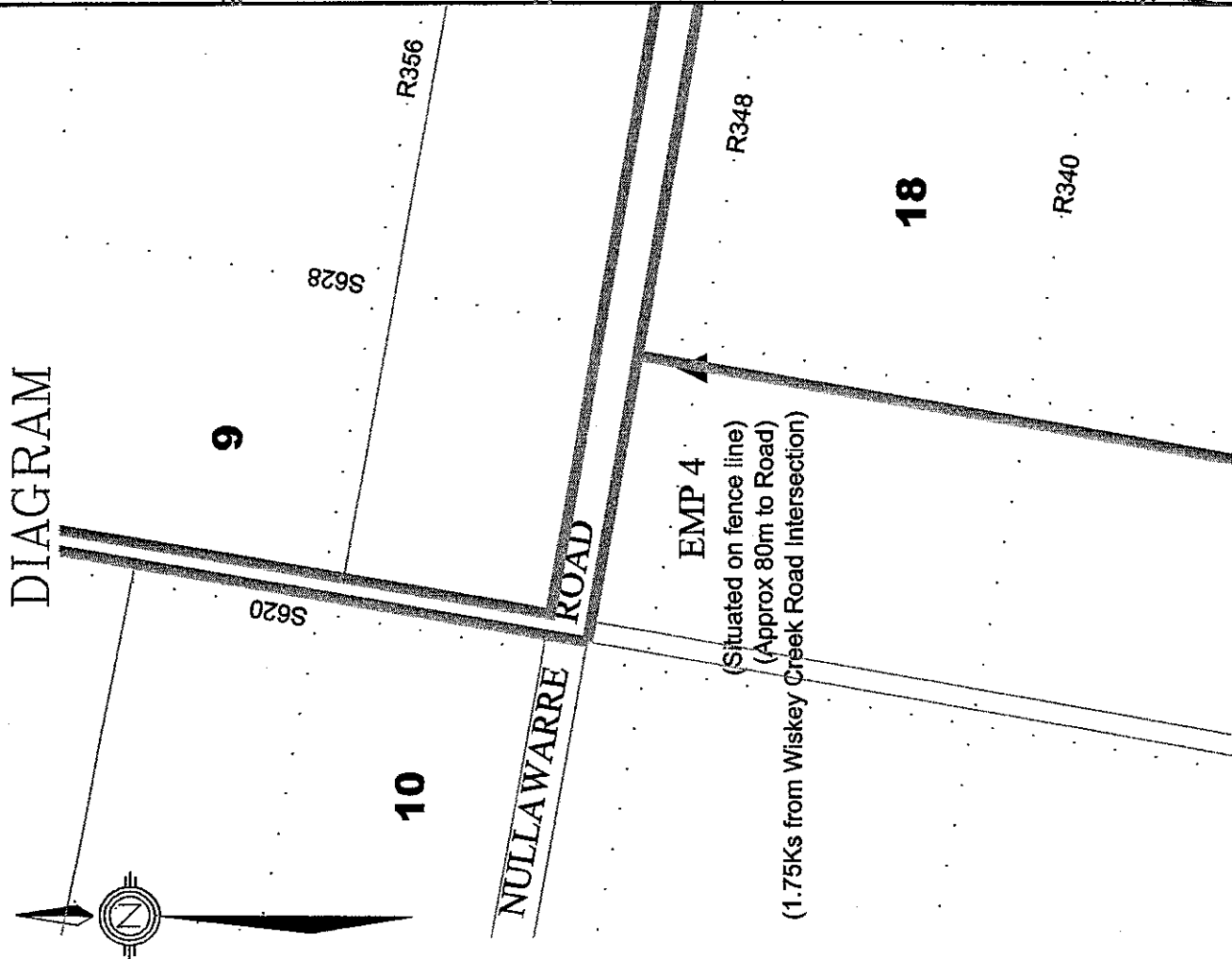
DIAGRAM

LOCATION PLAN



Co-ordinates ADG 66 Zone 54	657083 E 5734729 N	38° 31' 18" S 142° 48' 07" E	Key 58	Number Refers to Permit Forms and Landowner Listing	Scale	Rev A	Title EMP 3 Curdie Vale 3D	Schlumberger
					Date 23/02/00			

DIAGRAM

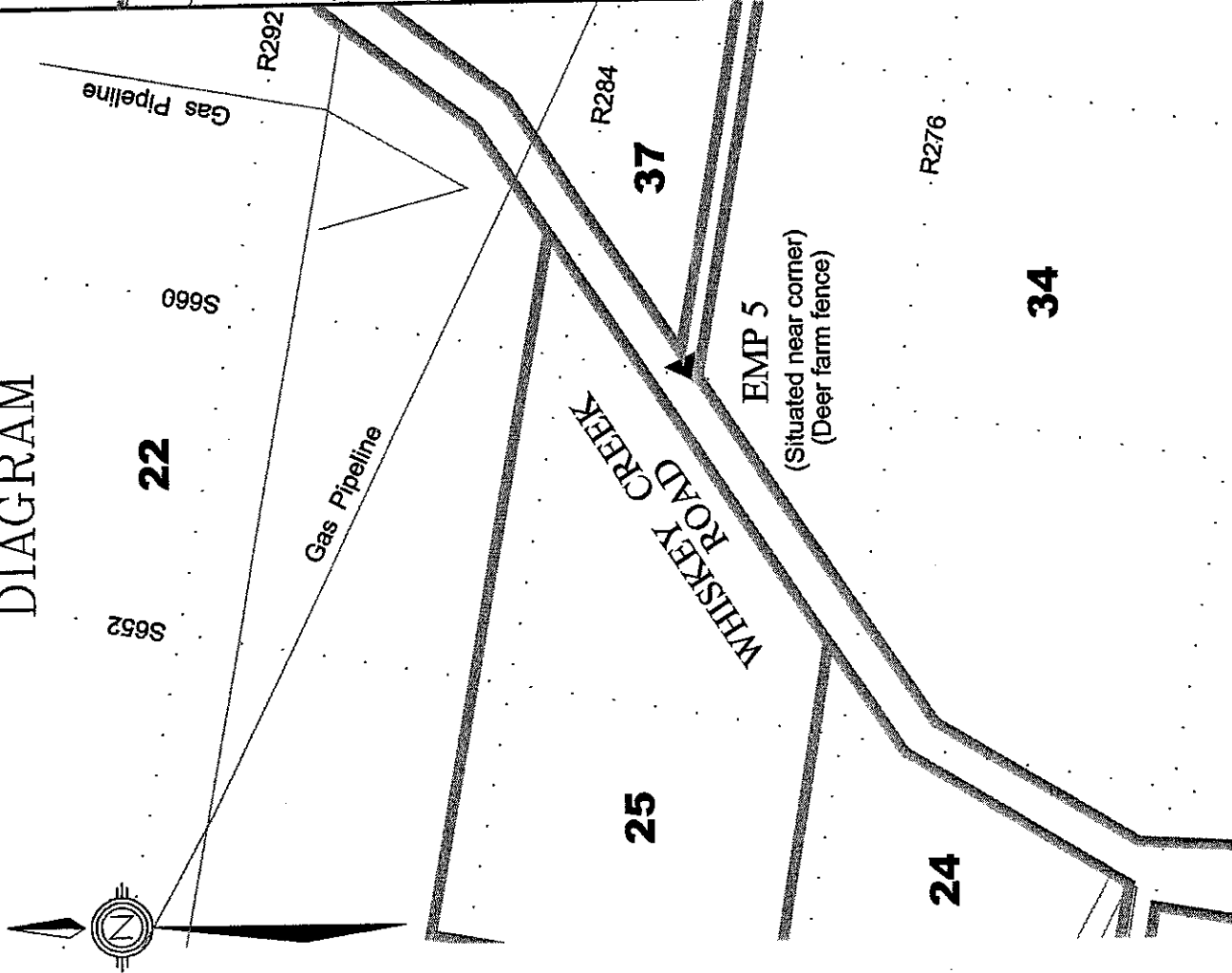


LOCATION PLAN



Co-ordinates ADG 66 Zone 54	659143 E 5739265 N	38° 28' 50" S 142° 49' 28" E	Key 58	Number Refers to Permit Forms and Landowner Listing	Scale		Rev A	Title EMP 4 Curdie Vale 3D	Schlumberger
					N.T.S.				
					Date 23/02/00	Dwg CV-EMP-4			

DIAGRAM



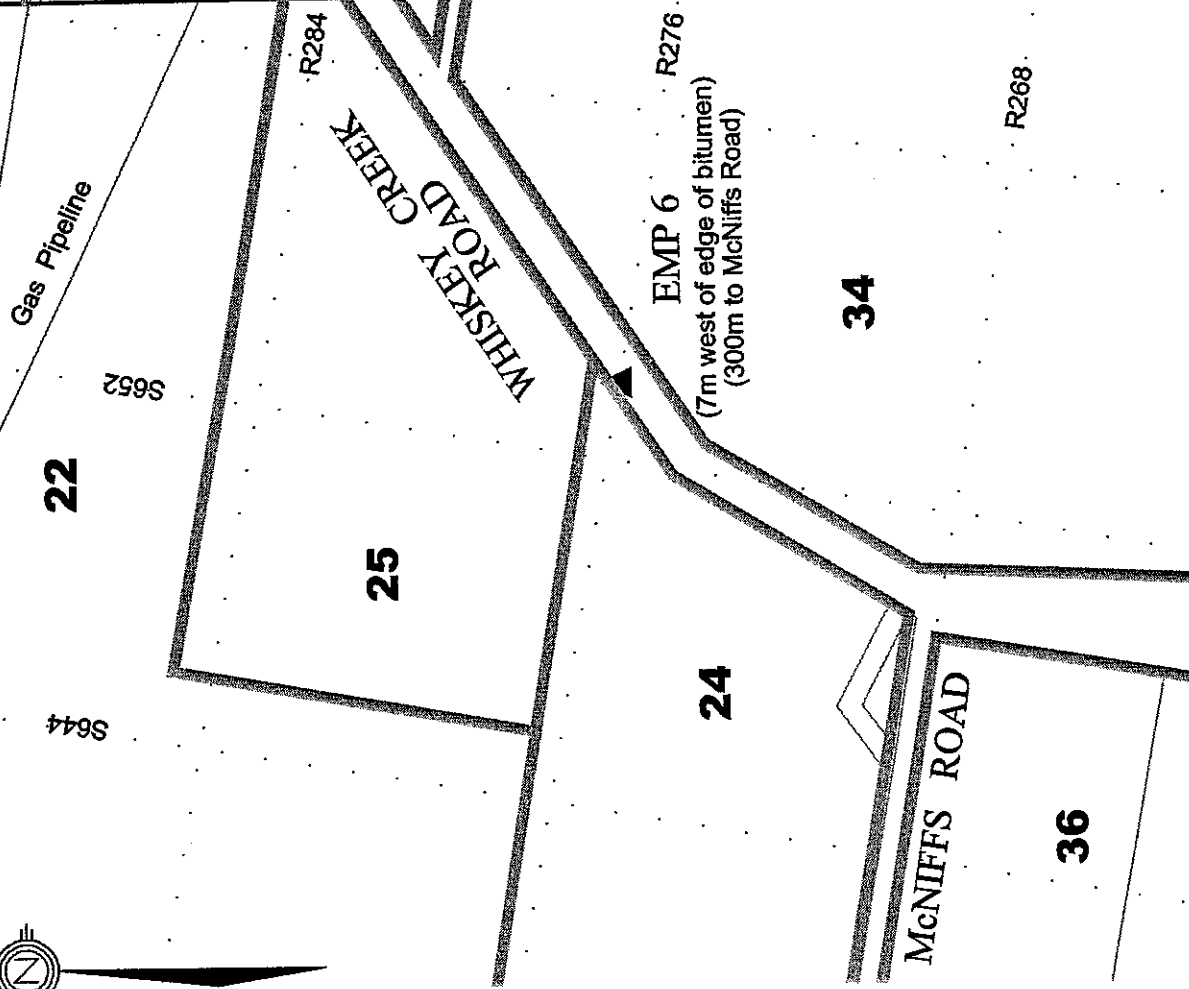
LOCATION PLAN



Co-ordinates ADG 66 Zone 54	659968 E 5736410 N	38° 30' 22" S 142° 50' 05" E	Key 58 Number Refers to Permit Forms and Landowner Listing	Scale N.T.S.	Rev A	Title EMP 5 Curdie Vale 3D	Schlumberger
				Date 23/02/00	Dwg CV-EMP-5		

DIAGRAM

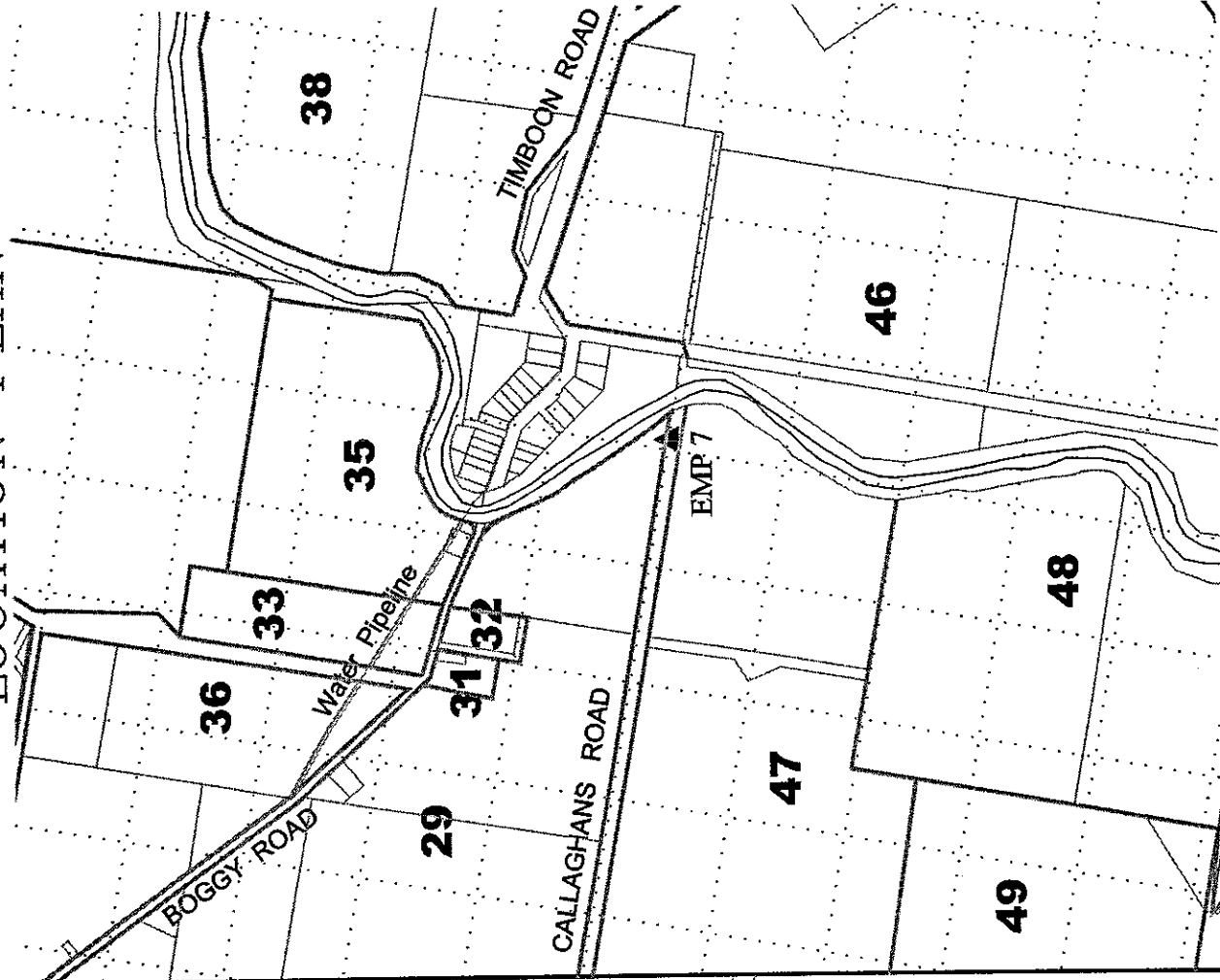
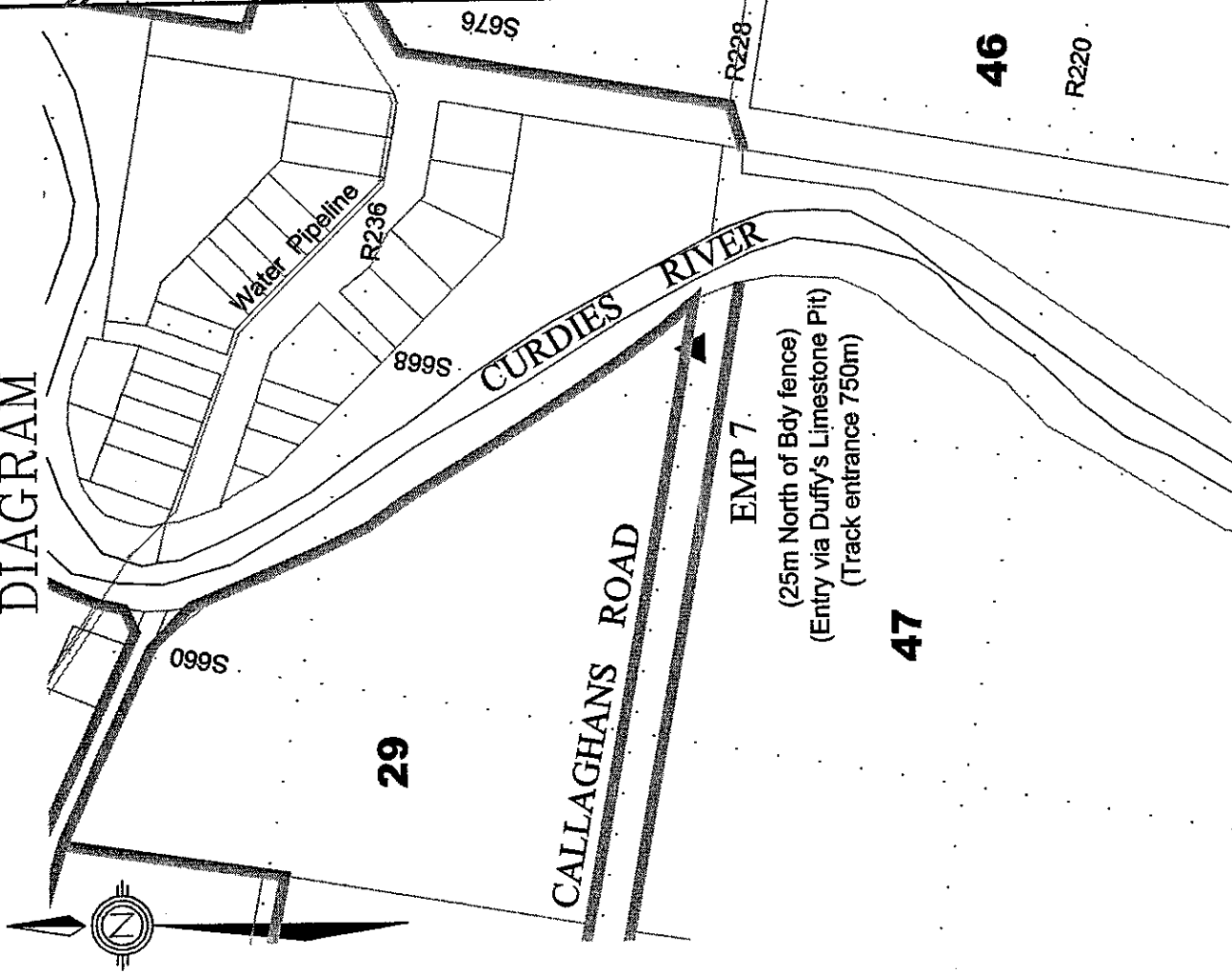
LOCATION PLAN



Co-ordinates ADG 66 Zone 54		38° 30' 28"-S 142° 49' 53" E		Key 58 Number Refers to Permit Forms and Landowner Listing	Scale N.T.S.	Rev A	Title EMP 6 Curdie Vale 3D
					Date 23/02/00	Dwg CV-EMP-6	
					Schlumberger		

DIAGRAM

LOCATION PLAN



Co-ordinates
ADG 66
Zone 54

659980 E
5734252 N

38° 31' 32" S
142° 50' 06" E

Key
Number Refers to
Permit Forms and
Landowner Listing

58

Scale
N.T.S.
Date
23/02/00

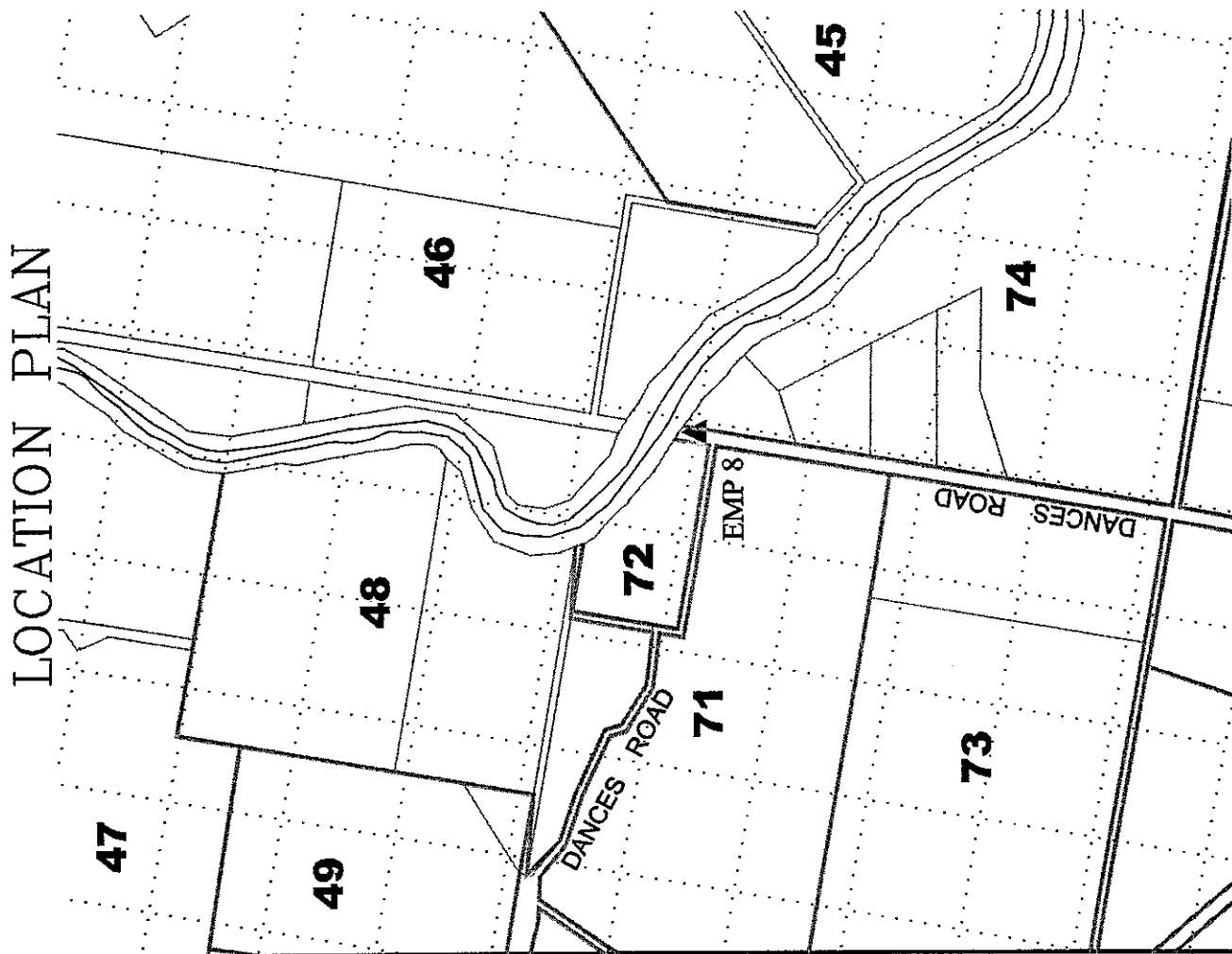
Rev
A
Dwg
CV-EMP-7

Title

EMP 7
Curdie Vale 3D

Schlumberger

LOCATION PLAN



Co-ordinates	38° 32' 34" S 142° 50' 04" E	Key	Number Refers to Permit Forms and 58 Landowner Listing	Scale N.T.S	Rev A	Title EMP 8 Curdie Vale 3D	Schlumberger
ADG 66 Zone 54	659885 E 5732319 N			Date 23/02/00	Dwg CV-EMP-8		