

CITY OF ALBUQUERQUE



January 30, 2017

Richard J. Berry, Mayor

Jake
Bordenave Designs
P.O. Box 91194,
Albuquerque, NM, 87199

RE: Albuquerque RV and Boat Storage
Conceptual Grading and Drainage Plan
Engineer's Stamp Date 1-20-2017 (File: H10D030)

Dear Mr. Jake:

Based upon the information provided in your submittal received 1-20-2017, the above referenced Conceptual Grading and Drainage Plan is approved for Site Plan.

When you are submitting for Building Permit address the following:

1. Provide excerpt from Ladera Business Park Mark Goodwin 2002 for allowable discharge rate.
2. Provide spot elevation for the high point in the middle of the site.
3. Provide volume of stormwater quality for each pond and show the bottom elevation of ponds.

If you have any questions, you can contact me at 924-3999.

Sincerely,

Shahab Biazar, P.E.
City Engineer, Planning Dept.
Development Review Services

MA/SB



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2015)

Project Title: Alb. RV & Boat Storage Building Permit #: - Hydrology File #: H10-0030
DRB#: 1001523 EPC#: - Work Order#: -
Legal Description: Tract 1, Unit 2, Ladera Business Park
City Address: 2201 Vista Oriente NW

Applicant: BORDENAVE DESIGNS Contact: JAKE
Address: P.O. Box 91194, Alb. NM 87199
Phone#: 505-823-1344 Fax#: 505-821-9105 E-mail: jakebordenave@comcast.net

Other Contact: JUNO ARCHITECTS Contact: KEVIN
Address: 7925 Bosque St. NW, Alb, NM 87114
Phone#: 505-892-8453 Fax#: 505-890-1736 E-mail: JUNOARCHITECTS@aol.com

Check all that Apply:

DEPARTMENT:

- ☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

- ☐ ENGINEER/ARCHITECT CERTIFICATION
☒ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
☐ OTHER (SPECIFY) _____

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY
☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☒ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ GRADING PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR

PRE-DESIGN MEETING?

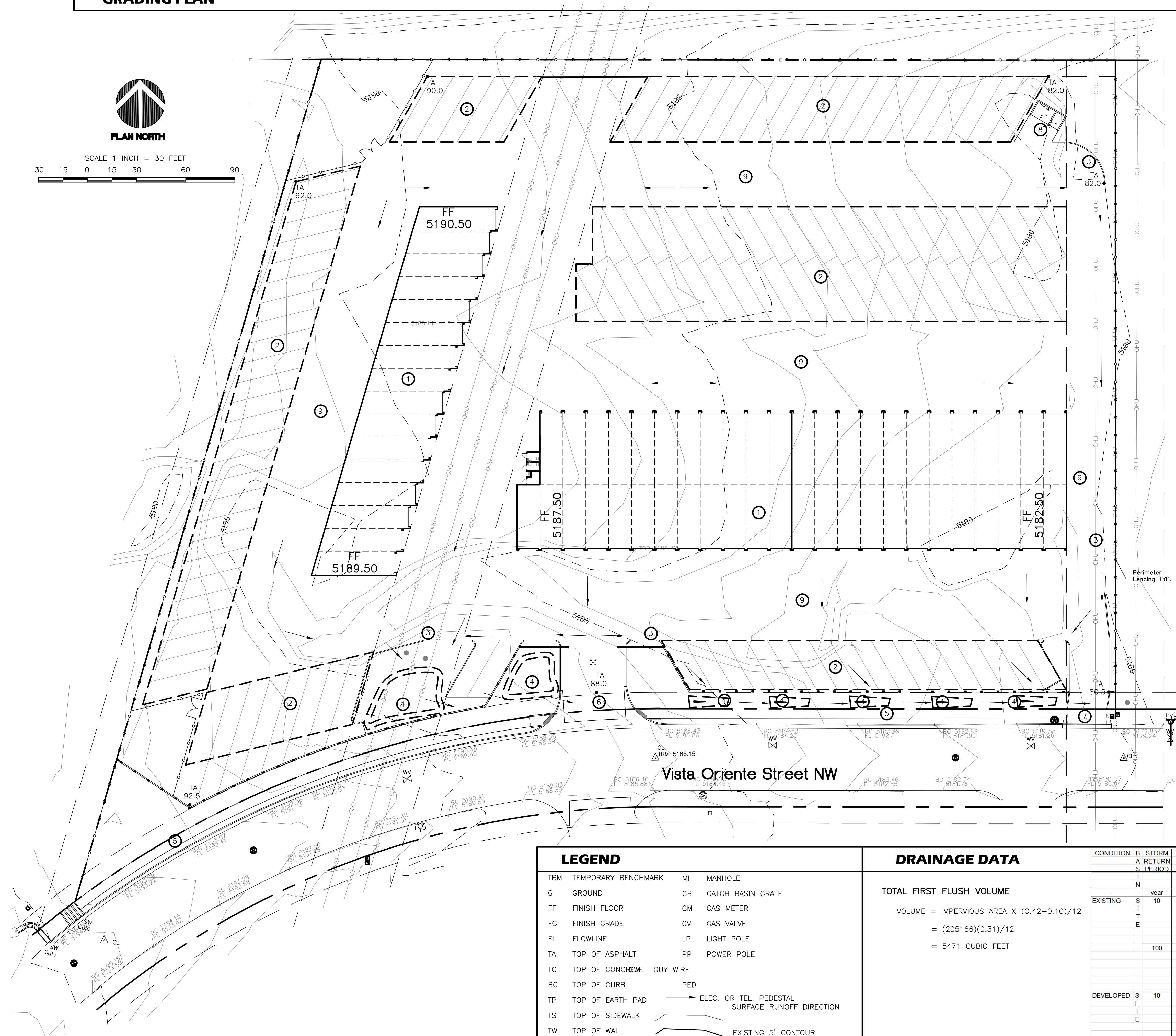
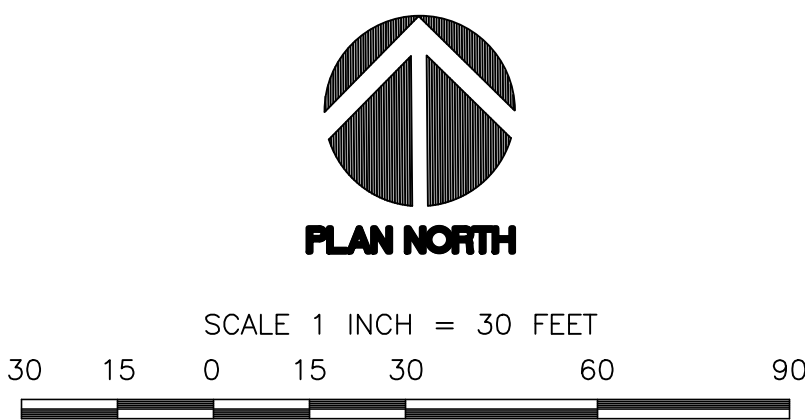
IS THIS A RESUBMITTAL?: ☐ Yes ☒ No

☐ OTHER (SPECIFY) _____

DATE SUBMITTED: 01/20/17 By: [Signature]

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ☐

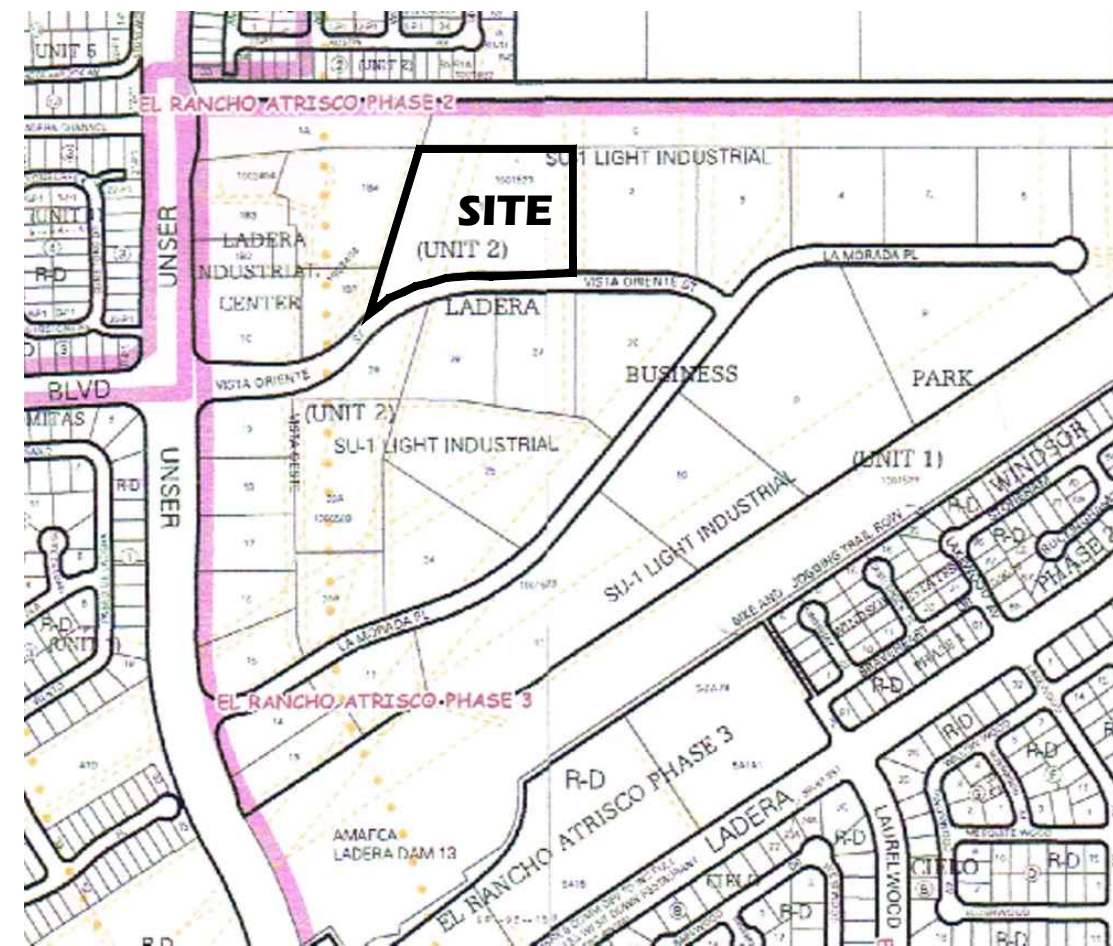
GRADING PLAN



DRAINAGE NOTES

1. THE SITE IS PRESENTLY VACANT AND THERE IS NO INDICATION OF PAST GRADING. THE CONTOURS WHILE CONVOLUTED IN APPEARANCE AVERAGE APPROXIMATELY 2% DOWNWARD TO THE SOUTHEAST.
3. THE SITE IS LOCATED IN RAINFALL ZONE 1. THERE WILL BE AN INCREASE (ABOVE EXISTING CONDITIONS) IN RUNOFF VOLUMES AND FLOW RATES DUE TO DEVELOPMENT. SEE TABLE BELOW FOR EXISTING AND FUTURE FLOW RATES AND RUNOFF VOLUMES.
4. RUNOFF FROM IMPERVIOUS AREAS ARE ROUTED TO SCATTERED ONSITE PONDS SIZED TO RETAIN FIRST FLUSH FLOWS. OVERFLOW FROM THESE PONDS IS ROUTED TO VISTA ORIENTE VIA THE PAVED ACCESS AISLES ON EACH SIDE OF THE SITE.
5. THE SITE IS LOCATED IN AN AREA DESIGNATED 'ZONE X' PER FEMA FIRM MAP NO. 114H, DATED AUGUST, 2012.
6. EXISTING TOPOGRAPHY FOR THE SITE WAS OBTAINED BY CARTESIAN SURVEYS, INC. IN NOVEMBER, 2015.

VICINITY MAP NO. F-11



KEYED NOTES

1. PROPOSED ENCLOSED STORAGE.
2. PROPOSED CANOPY STORAGE.
3. PROPOSED CONCRETE HEADER CURB.
4. PROPOSED RETENTION POND FOR INITIAL STORM RUNOFF.
5. PROPOSED 6' CONCRETE PUBLIC SIDEWALK PER COA STD. DET. 2430.
6. PROPOSED PRIVATE ENTRANCE DETAIL PER COA STD. DET. 2426.
7. PROPOSED DRIVE PAD PER COA STD. DET. 2425.
8. PROPOSED REFUSE ENCLOSURE.
9. PROPOSED LIGHT AND HEAVY DUTY ASPHALT PAVEMENT.

NOTE: ALL PUBLIC IMPROVEMENTS IN THE PUBLIC RIGHT-OF-WAY MUST BE INCLUDED ON A PUBLIC WORK ORDER.

FEMA FIRM PANEL NO. 326J



LEGAL DESCRIPTION

TRACT 1, LADERA BUSINESS PARK, UNIT 1

PERMANENT BENCHMARK

ACS STATION 3--H10, ELEVATION 5193.98 (NAVD 1988)

JUNO

ARCHITECTS

7925 Bosque ST. NW, Albuquerque, NM 87114 Ph. (505) 892-8453 Fax. (505)890-1736

PROJECT:
ALBUQUERQUE RV + BOAT STORAGE
2201 VISTA ORIENTE NW, ALBUQUERQUE, NM

SHEET TITLE:
CONCEPTUAL GRADING PLAN

REVISION DATE

ARCHITECT STAMP

CONSULTANT STAMP

DATE:

11-10-16

PROJECT NO.

1014

SHEET NO.

C1.1

12/21/16

LEGEND

TBM	TEMPORARY BENCHMARK	MH	MANHOLE
G	GROUND	CB	CATCH BASIN GRATE
FF	FINISH FLOOR	GM	GAS METER
FG	FINISH GRADE	GV	GAS VALVE
FL	FLOWLINE	LP	LIGHT POLE
TA	TOP OF ASPHALT	PP	POWER POLE
TC	TOP OF CONCRETE	GUY	GUY WIRE
BC	TOP OF CURB	PED	PEDESTAL
TP	TOP OF EARTH PAD		ELEC. OR TEL. PEDESTAL
TS	TOP OF SIDEWALK		SURFACE RUNOFF DIRECTION
TW	TOP OF WALL		
FH	FIRE HYDRANT		EXISTING 5' CONTOUR
WM	WATER METER		EXISTING 1' CONTOUR
WV	WATER VALVE		EXISTING SPOT ELEVATION
			PROPOSED SPOT ELEVATION

DRAINAGE DATA

TOTAL FIRST FLUSH VOLUME
VOLUME = IMPERVIOUS AREA X (0.42-0.10)/12
= (205166)(0.31)/12
= 5471 CUBIC FEET

CONDITION	STORM RETURN PERIOD	TREATMENT TYPE	TREATMENT AREA	EXCESS PRECIPITATION	PEAK RUNOFF	RUNOFF VOLUME	RUNOFF RATE
EXISTING	10	(table 4)	sq. ft.	(table 8)	(table 9)	cu. ft.	cfs
		A	219654	0.08	0.24	1464	1.21
		B	2472	0.22	0.76	45	0.04
		C	5039	0.44	1.49	185	0.17
		D	0	1.24	2.89	0	0.00
		TOTAL	227165	CP		1694	1.43
	100	A	219654	0.44	1.29	8054	6.50
		B	2472	0.67	2.03	138	0.12
		C	5039	0.99	2.87	416	0.33
		D	0	1.97	4.37	0	0.00
		TOTAL	227165			8608	6.95
DEVELOPED	10	A	0	0.08	0.24	0	0.00
		B	20226	0.22	0.76	371	0.35
		C	1773	0.44	1.49	65	0.06
		D	205166	1.24	2.89	21200	13.61
		TOTAL	227165			21636	14.03
	100	A	0	0.44	1.29	0	0.00
		B	20226	0.67	2.03	1129	0.94
		C	1773	0.99	2.87	146	0.12
		D	205166	1.97	4.37	33681	20.58
		TOTAL	227165			34957	21.64