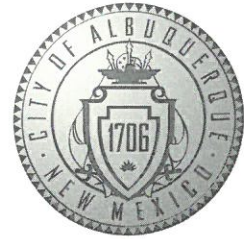


CITY OF ALBUQUERQUE



January 11, 2018

David Soule, P.E.
Rio Grande Engineering
PO Box 93924
Albuquerque, NM 87199

RE: **2100 Osuna NE**
Grading Plan Engineer's Stamp Date: 1/2/18
Drainage Report Engineer's Stamp Date: 12/28/17
Drainage File: E16D001

Dear Mr. Soule:

Based on the information provided in your submittal received 1/2/18, the Grading Plan and Drainage Report are approved for Grading, Paving and Building Permit.

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Sincerely,

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: _____ **Building Permit #:** _____ **City Drainage #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Engineering Firm: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Architect: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

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) _____

CHECK 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
☐ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☐ Yes ☐ No

DATE SUBMITTED: _____ **By:** _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____

CITY OF ALBUQUERQUE



November 20, 2017

David Soule, P.E.
Rio Grande Engineering
PO Box 93924
Albuquerque, NM 87199

RE: **2100 Osuna NE**
Grading Plan Engineer's Stamp Date 11/15/17
Drainage Report Engineer's Stamp Date: missing
Drainage File: E16D001

Dear Mr. Soule:

Based on the information provided in your submittal received 11/16/17, the Grading Plan and Drainage Report cannot be approved for Grading, Paving or Building Permit until the following are addressed:

General.

1. The complete package needs to be resubmitted, both paper and electronic.
We have resubmitted the entire updated package
2. Provide an agreement, signed by the 2 lot owners, showing that Lot 1A is allowed cross-lot drainage and ponding onto lot 4B. The Intent to Lease makes no mention of drainage.
Attached revised agreement
3. A Bernalillo County Recorded Private Facility Drainage Covenant, signed by the owner of Lot 4A, is required for the portion of the ponds located on lot 4A. The original notarized form, pond exhibit, and recording fee (\$25 payable to City of Albuquerque) must be turned into DRC (4th, Plaza del Sol) for routing.
Submitted
4. A Bernalillo County Recorded Private Facility Drainage Covenant, signed by the owner of Lot 1A, is required for the portion of the ponds located on lot 1A. The original notarized form, pond exhibit, and recording fee (\$25 payable to City of Albuquerque) must be turned into DRC (4th, Plaza del Sol) for routing.
Submitted
5. The provided draft is an outdated version and separate covenants are required. Additionally, exhibits with 0.10" font (minimum) are required. Please contact Charlotte LaBadie (clabadie@cabq.gov, 924-3996) or Madeline Carruthers (mtafoya@cabq.gov, 924-3997) regarding the routing and recording process for covenants.
Submitted updated covenant

Drainage Report.

1. How does Lot 1B (to the south of this site) drain? It appears to drain to its NE corner and onto the SW corner of your site. Provide additional discussion regarding this. If there are

CITY OF ALBUQUERQUE



off-site flows, these will need to be routed across your site as well. Include the topo figure in the Drainage Report to support this discussion.

We have added map and updated report
Grading Plan.

1. Provide a section view through the retaining wall (including dimensions, lease line, and basis of establishing the lease line).

We have added the section and basis of leasehold line

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

**Chappell Road Partners, LLC
6221 Chappell Rd NE
Albuquerque NM 87113**

November 1, 2017

Patrick Lashinski, C.O.O.
E2 Properties
2100 Osuna Rd, NE 87113

**RE: Letter of Intent: Land located at 1500 Osuna Road NE
Albuquerque NM 87113; NE Corner**

Dear Mr. Lashinski:

This letter of intent is for the above referenced property in Albuquerque, NM. Following are the terms and conditions that are proposed for the lease of the above-referenced property.

Property: .17 acres located at 1500 Osuna Road NE as shown on Attachment A

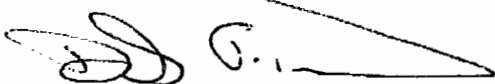
Lessor: Chappell Road Partners, LLC, or assignee

Lessee: E2 Properties

Terms: .17 acres shall be leased for \$8400/year N.N.N. The initial term will be for Ten (10) years with two five (5) year options to extend. Rent will increase at the commencement each extension as agreed to by both parties. All improvements shall be the responsibility of the Lessee.

Cross lot drainage from tract 1A lands of Lively will be accepted by the leaseholder portion of tract 4B lands of Lively and managed in accordance with current City of Albuquerque drainage ordinance. A drainage covenant for said improvements shall be executed.

Sincerely,



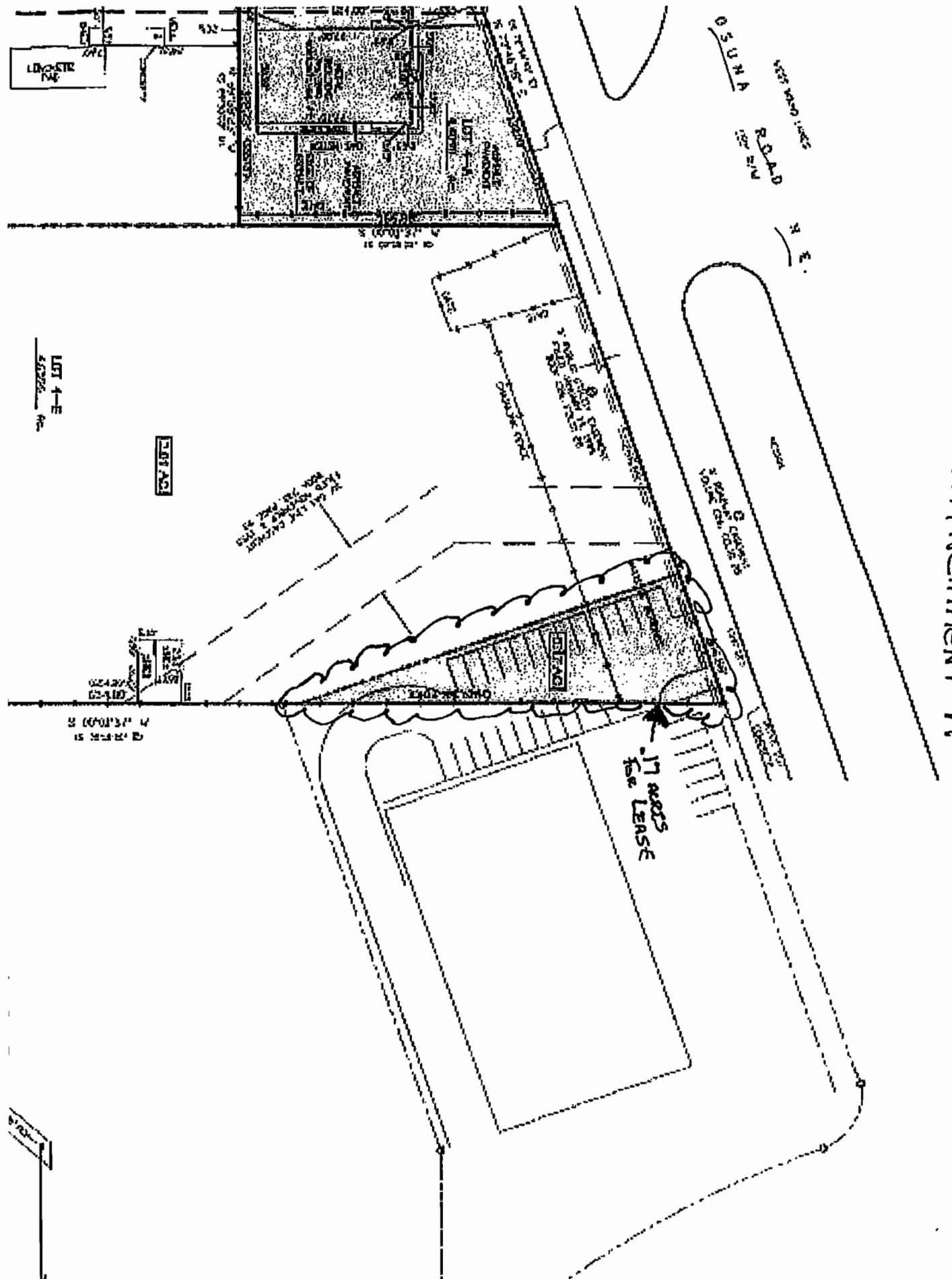
**Chappell Road Partners LLC
Dub Girand, Managing Member**

REVIEWED AND ACCEPTED

Lessee:

By: Virginia Buckmelter 12/18/17
Date

Richard
for him



REVISED
DRAINAGE REPORT

For

2100 Osuna NE
Albuquerque, New Mexico

Prepared by

Rio Grande Engineering
PO Box 93924
Albuquerque, New Mexico 87199

DECEMBER 2017



12/28/17

David Soule P.E. No. 14522

TABLE OF CONTENTS

Purpose	3
Introduction.....	3
Existing Conditions	3
Exhibit A-Vicinity Map	4
Proposed Conditions	5
Summary	5

Appendix

Site Hydrology	A
Hydraulic Model and calculations.....	B
Upland Basin Map.....	C

Map

Site Grading and Drainage Plan

PURPOSE

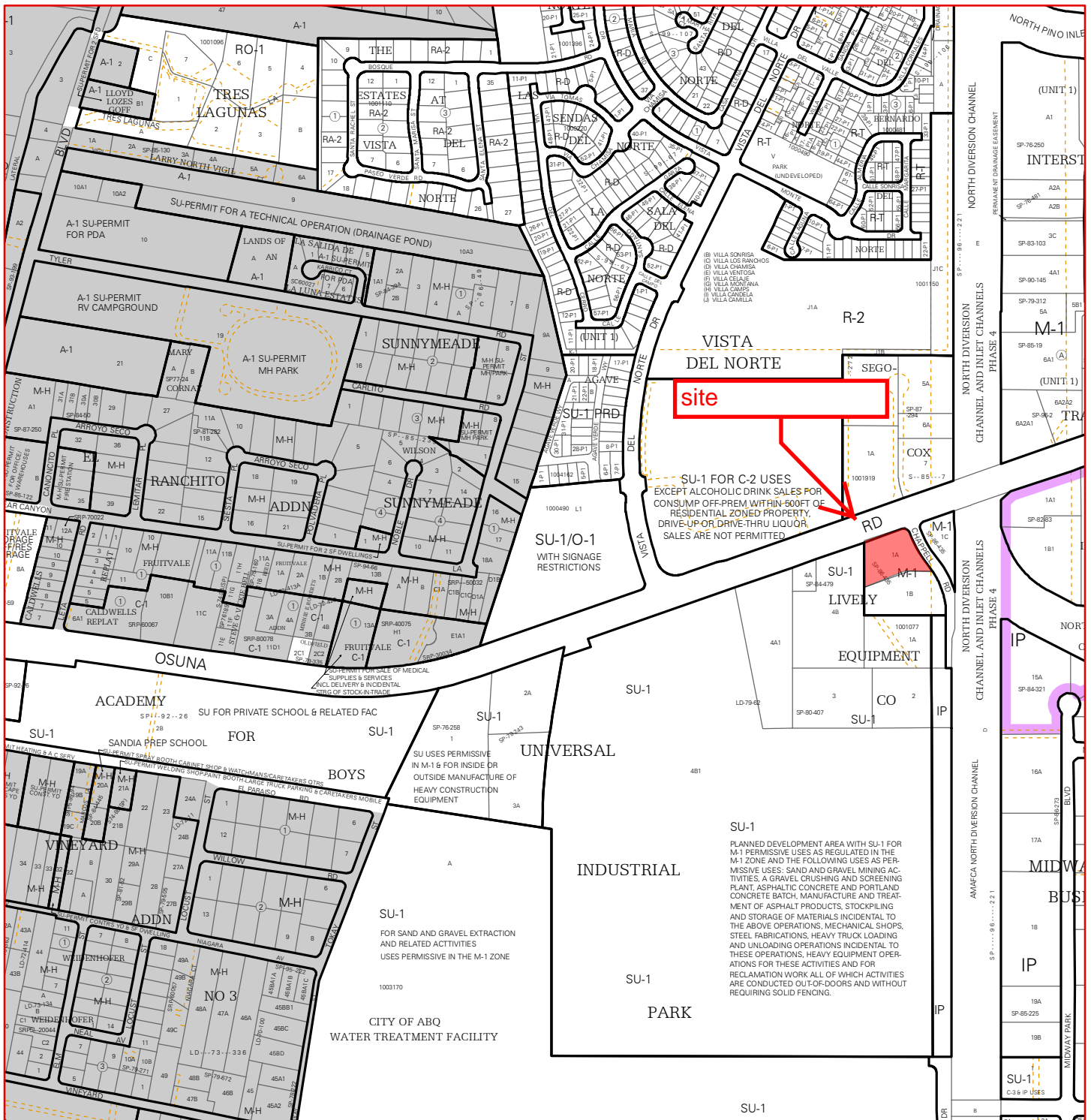
The purpose of this report is to provide the Drainage Management Plan for the addition of parking areas to an existing 1.7 acre parcel. This plan was prepared in accordance with the City of Albuquerque design regulations, utilizing the City of Albuquerque's Development Process Manual drainage guidelines. This report will demonstrate that the grading does not adversely affect the surrounding properties, nor the upstream or downstream facilities.

INTRODUCTION

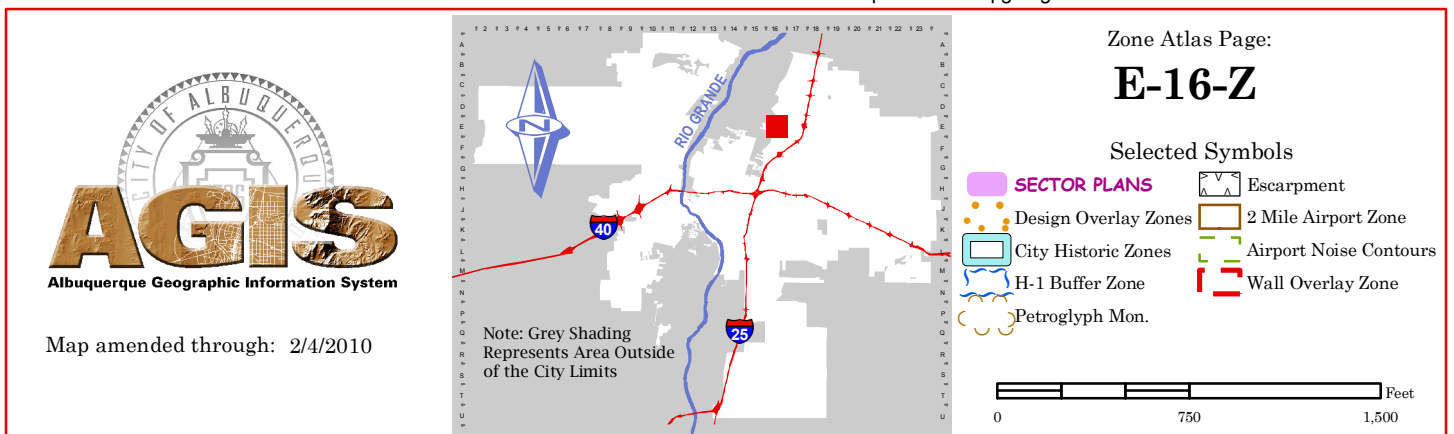
The subject of this report, as shown on the Exhibit A, is a 1.7 -acre parcel of land located on the southwest corner of Chappell and Osuna. The legal description of this site is tract 1A Lands of Lively Equipment Company and leasehold interest in portion of lot 4B Lands of Lively Equipment Company. As shown on FIRM map35001C0138H, the entire site is located within Flood Zone X. The AMAFCA North Diversion Channel is 200' upstream of property; the site is not impacted by upland flow. The site is a completely developed site. The entire parking area is paved, the surrounding landscape is completed and the entire supporting drainage infrastructure is completed. The site free discharges to Osuna, a drainage file for this development does not exist. The proposed improvements include the construction of additional parking on leased portion of the adjoining tract. Since this site is a redevelopment, the grading plan must conform to the existing conditions and reduce flow to less than existing while capturing the first flush.

EXISTING CONDITIONS

The site is currently a developed. The site currently discharges 7.37 cfs to the Osuna. The site is not impacted by upland flows. The curb and gutter and waterblock maintains flow in Chappell. The adjacent site to the east has an inlet that collects a portion of their flow and the north side of the property has a 6" curb and landscape berm that prevents flow from entering the subject property. The adjacent site flows to the site to the west, which is owned by the same lot owner. The south west corner has a small pond that overflows to Osuna. All downstream improvements are in place and maintained by the city of Albuquerque.



For more current information and more details visit: <http://www.cabq.gov/gis>



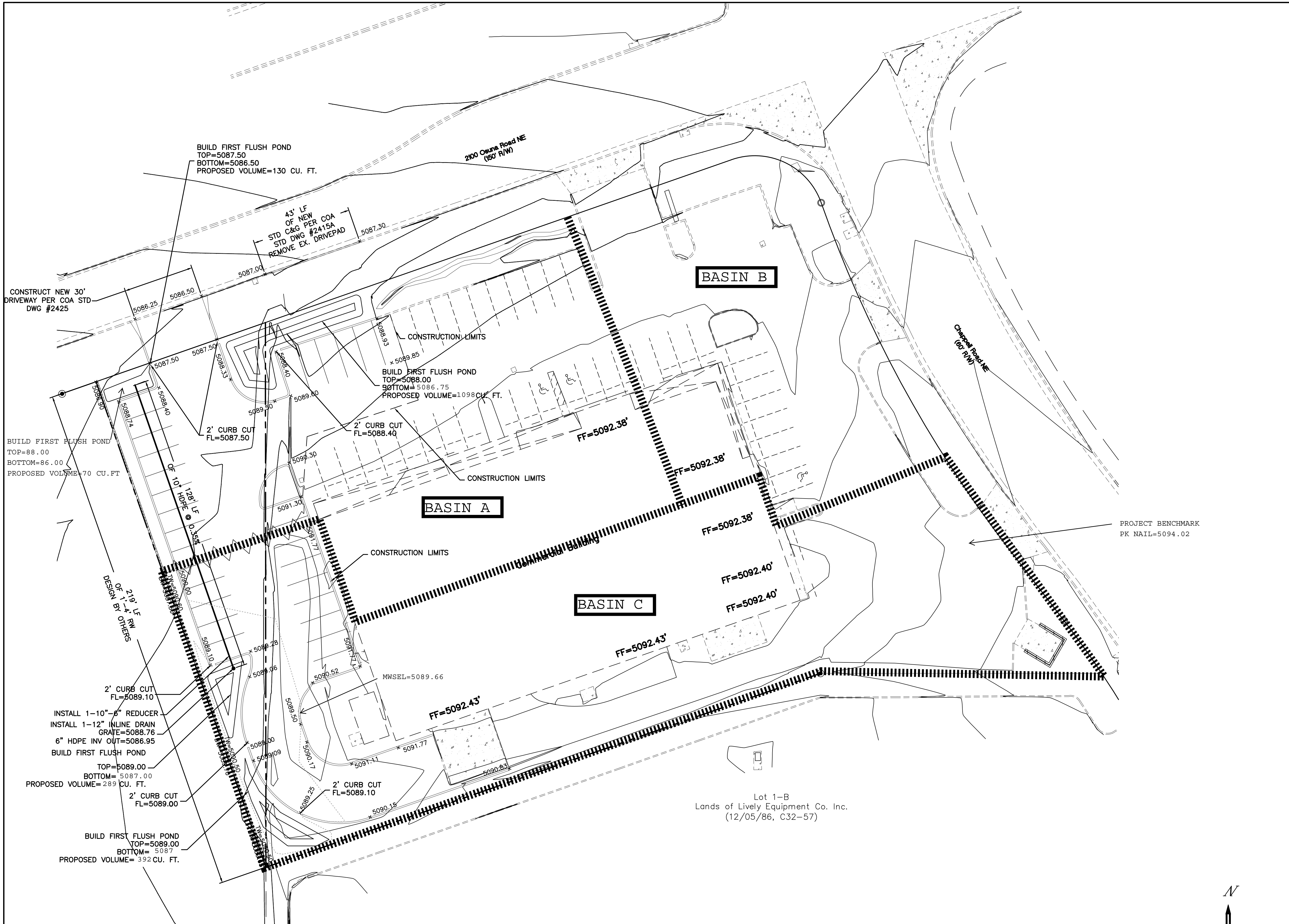
PROPOSED CONDITIONS

The proposed improvements consist of new parking area for the existing building. The affected area is a leasehold portion of the adjacent tract of land. The proposed site development will maintain existing patterns. The site contains 3 drain basins. Basin A contains the front portion of the lot and the improvements will increase the discharge from 2.55 cfs to 2.61 cfs. This basin discharges out an existing driveway to Osuna. Basin B contains the northern portion of the site and will not be modified, therefore the peak discharge of 1.55 cfs will remain to drain out the driveway to Osuna. The rear and southern portion of the lot will generate 3.51 cfs, compared to 3.27 cfs in existing condition. The total site discharge will be reduced by draining basin C to an inlet with a 6" outlet that will throttle the flow. As shown in appendix B, the pond was modeled using AHYMO. The peak discharge is reduced to 1.53 cfs and the max water surface is 5089.66 cfs. This area will overflow to basin A in a clogging event and continue to drain to Osuna. The combination of the three developed basins will be 5.69 cfs which is 1.68 cfs less than existing. The required first flush volume of 1,829 CF is retained onsite.

SUMMARY AND RECOMMENDATIONS

This project is an addition of parking to an existing building on a free discharging site. The parking area is to be located on a leased portion of an adjacent lot. There are no drainage files for the existing building. The drainage patterns will remain, the peak flow is being reduced by 1.53 cfs and the required first flush volume is being retained onsite. The onsite storm drain was designed to convey the flow. The ponds will overflow in an emergency or clogging situation via the parking lot discharging to Osuna. The development of this site will not negatively impact the upstream nor down stream facilities. Since the work area does not exceed 1 acre, erosion and sediment Control Plan should not be required prior to any construction activity.

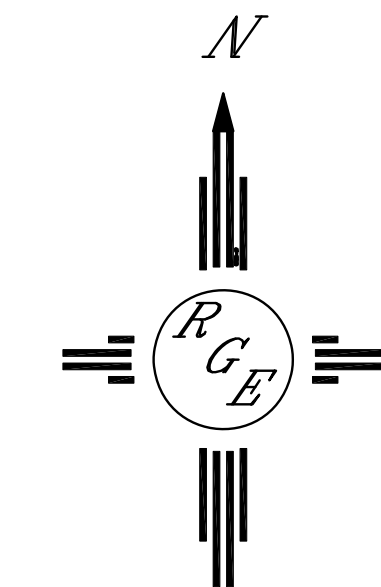
APPENDIX A
SITE HYDROLOGY



CAUTION:
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

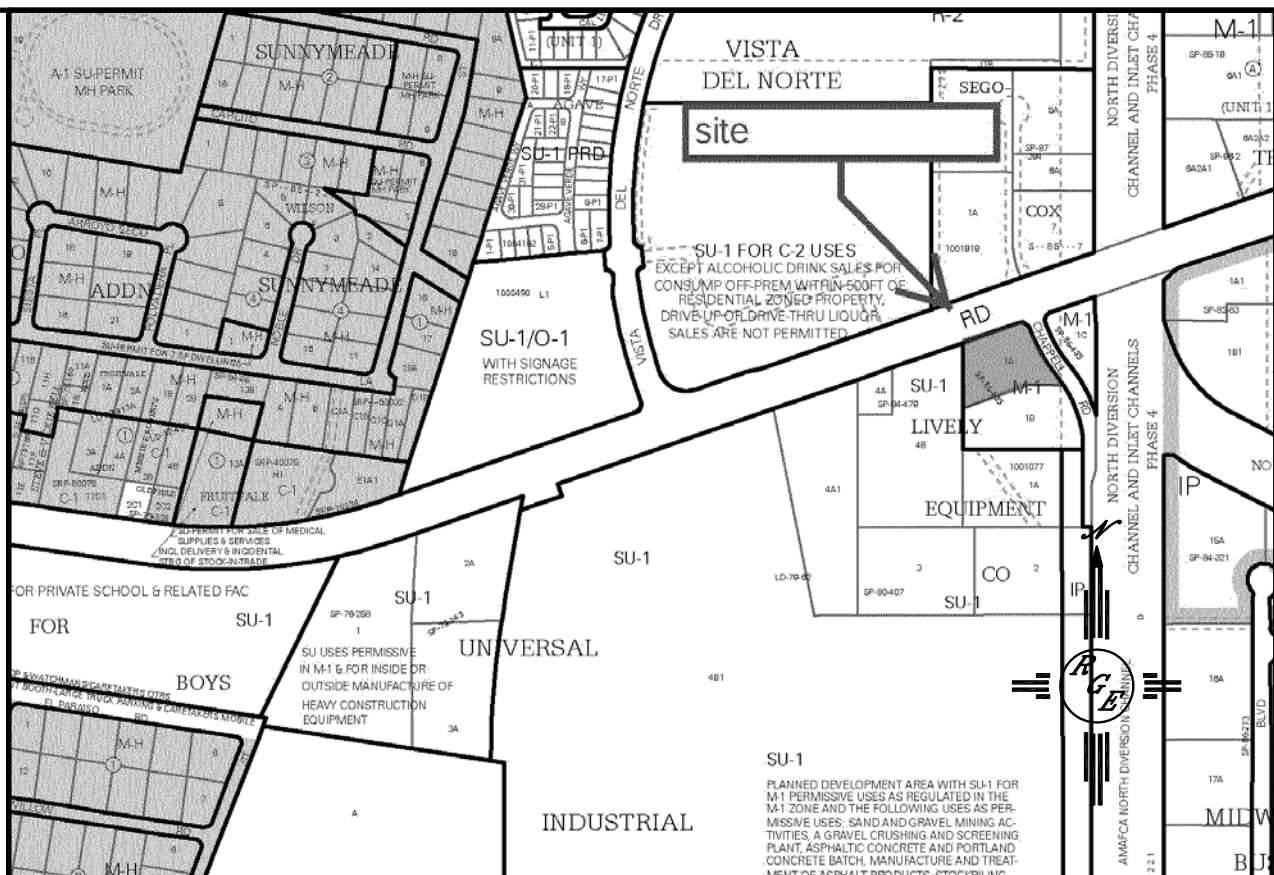
EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



GRAPHIC SCALE

SCALE: 1"=20'



VICINITY MAP: E-16-Z



LEGAL DESCRIPTION:

LOT 1A, 4B, LIVELY EQUIPMENT

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE NOTED.
3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. ALL NEW PAVING SHALL BE 6" PCC OVER 8" SUBGRADE PREPARATION IN CONFORMANCE TO ACI 330R-08. UNLESS OTHERWISE NOTED.
5. ANY CURBS OR PAVEMENT NEGATIVELY IMPACTED BY CONSTRUCTION ACTIVITY SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
6. ALL SITE WORK SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARDS FOR PUBLIC WORKS CONSTRUCTION EDITION 9

LEGEND

- | | | | |
|-----|------|-----|--------------------------------------------|
| --- | 5414 | --- | EXISTING CONTOUR |
| --- | 5415 | --- | EXISTING INDEX CONTOUR |
| --- | 5414 | --- | PROPOSED CONTOUR |
| --- | 5415 | --- | PROPOSED INDEX CONTOUR |
| --- | 5415 | --- | SLOPE TIE |
| --- | 5415 | --- | EXISTING SPOT ELEVATION |
| --- | 5415 | --- | PROPOSED SPOT ELEVATION |
| --- | 5415 | --- | BOUNDARY |
| --- | 5415 | --- | CENTERLINE |
| --- | 5415 | --- | RIGHT-OF-WAY |
| --- | 5415 | --- | PROPOSED CURB |
| --- | 5415 | --- | EXISTING CURB AND GUTTER |
| --- | 5415 | --- | PROPOSED SIDEWALK |
| --- | 5415 | --- | EXISTING SIDEWALK |
| --- | 5415 | --- | PROPOSED RETAINING WALL (DESIGN BY OTHERS) |

ENGINEER'S SEAL	2100 OSUNA	DRAWN BY WCWJ
DAVID SOULE REGISTERED PROFESSIONAL ENGINEER 14522	GRADING AND DRAINAGE PLAN	DATE 8-07-17
8/1/17	Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	21724-LAYOUT-3-24-17
DAVID SOULE P.E. #14522		SHEET # —
		JOB # 21724

Weighted E Method

2100 osuna

Existing Developed Basins

											100-Year, 6-hr.		
Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
			%	(acres)	%	(acres)	%	(acres)	%	(acres)			
EXISTING A	25233	0.579	0%	0	0.0%	0.000	19.0%	0.11006	81%	0.469	1.932	0.093	2.55
EXISTING B	15415	0.354	0%	0	0.0%	0.000	20.0%	0.07078	80%	0.283	1.922	0.057	1.55
EXISTING C	33657	0.773	0%	0	0.0%	0.000	30.0%	0.2318	70%	0.541	1.823	0.117	3.27
TOTAL EXISTING	74305	1.706	0%	0	0.0%	0.000	24.2%	0.41263	77%	1.293		0.267	7.37
PROPOSED A	25233	0.579	0%	0	0.0%	0.000	13.0%	0.07531	87%	0.504	1.991	0.096	2.61
PROPOSED B	15415	0.354	0%	0	0.0%	0.000	20.0%	0.07078	80%	0.283	1.922	0.057	1.55
PROPOSED C	33657	0.773	0%	0	0.0%	0.000	10.0%	0.07727	90%	0.695	2.021	0.130	3.51
TOTAL PROPOSED	74305	1.706	0%	0		0.000	13.1%	0.223	87%	1.482		0.283	7.669

Equations:

Weighted E = $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$ / (Total Area)

Volume = Weighted D * Total Area

Flow = $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

Where for 100-year, 6-hour storm (zone 3)

$E_a = 0.53$

$E_b = 0.78$

$E_c = 1.13$

$E_d = 2.12$

$Q_a = 1.57$

$Q_b = 2.28$

$Q_c = 3.14$

$Q_d = 4.7$

water quality requirement 1829.65362

discharge leaving sige

exisitng generated routed

basin a	2.55	2.61	2.61
basin b	1.55	1.55	1.55
basin c	3.27	3.51	1.53
TOTAL	7.37	7.67	5.69

APPENDIX B

HYDRAULIC MODELING AND CALCULATIONS

POND. txt

*S AHYMO - BASIN C
 *S POND ROUTING

START TIME=0.0 PUNCH CODE=0

RAINFALL TYPE=2
 QUARTER=0.0 ONE= 2.01 IN
 SIX= 2.35 IN DAY= 2.75 IN DT = 0.05 HR

COMPUTE NM HYD ID=1 HYD NO=101 DA= .0012078 SQ MI
 PER A=0 PER B=0.0 PER C=10.0 PER D=90.00
 TP=-.135 MASSRAIN=-1

PRINT HYD ID=1 CODE=3

* ROUTE THE TOTAL FLOW THROUGH THE PROPOSED RESERVOIR
 ROUTE RESERVOIR ID=2 HYD NO=102 INFLOW=1 CODE=3

OUTFLOW(CFS)	STORAGE(AC-FT)	ELEV(FT)
0.00	0.014	88.50
1.16	0.017	88.76
1.34	0.021	89.00
1.49	0.042	89.50
1.64	0.075	90.00

PRINT HYD ID=2 CODE=3

FINISH

AHYMO. OUT

AHYMO PROGRAM (AHYMO-S4) - Version: S4.01a - Rel: 01a
 RUN DATE (MON/DAY/YR) = 09/07/2017
 START TIME (HR: MIN: SEC) = 14:02:12 USER NO. =
 RioGrandeSi ngl eA41963517
 INPUT FILE = C:\Documents and Settings\Owner\Desktop\2017
 jobs\1734-2100osuna\POND.txt

*S AHYMO - BASIN C
 *S POND ROUTING

START TIME=0.0 PUNCH CODE=0

RAINFALL TYPE=2
 QUARTER=0.0 ONE= 2.01 IN
 SIX= 2.35 IN DAY= 2.75 IN DT = 0.05 HR

24-HOUR RAINFALL DIST. - BASED ON NOAA ATLAS 14 FOR CONVECTIVE
 AREAS (NM & AZ) - D1

DT =	0.050000 HOURS	END TIME =	24.000002 HOURS
0.0000	0.0023	0.0046	0.0071
0.0071	0.0099	0.0127	0.0159
0.0159	0.0203	0.0272	0.0347
0.0347	0.0424	0.0509	0.0595
0.0595	0.0684	0.0776	0.0870
0.0870	0.0974	0.1084	0.1204
0.1204	0.1437	0.1728	0.2117
0.2117	0.2559	0.3104	0.3831
0.3831	0.4649	0.6062	0.8258
0.8258	1.2021	1.4666	1.6752
1.6752	1.7800	1.8719	1.9379
1.9379	1.9905	2.0362	2.0697
2.0697	2.1005	2.1259	2.1418
2.1418	2.1530	2.1629	2.1722
2.1722	2.1803	2.1879	2.1953
2.1953	2.2025	2.2084	2.2118
2.2118	2.2152	2.2186	2.2217
2.2217	2.2247	2.2278	2.2307
2.2307	2.2336	2.2363	2.2391
2.2391	2.2417	2.2443	2.2469
2.2469	2.2494	2.2518	2.2542
2.2542	2.2565	2.2588	2.2611
2.2611	2.2633	2.2654	2.2676
2.2676	2.2697	2.2717	2.2738
2.2738	2.2758	2.2778	2.2798
2.2798	2.2817	2.2837	2.2856
2.2856	2.2874	2.2893	2.2911
2.2911	2.2930	2.2948	2.2965
2.2965	2.2983	2.3000	2.3017
2.3017	2.3034	2.3051	2.3068
2.3068	2.3084	2.3100	2.3117
2.3117	2.3133	2.3148	2.3164
2.3164	2.3180	2.3195	2.3210
2.3210	2.3225	2.3240	2.3255
2.3255	2.3269	2.3284	2.3298
2.3298	2.3313	2.3327	2.3341
2.3341	2.3355	2.3368	2.3382
2.3382	2.3396	2.3409	2.3422
2.3422	2.3436	2.3449	2.3462
2.3462	2.3474	2.3487	2.3500
2.3500	2.3513	2.3525	2.3538
2.3538	2.3551	2.3563	2.3576
2.3576	2.3589	2.3601	2.3614
2.3614	2.3627	2.3639	2.3652
2.3652	2.3665	2.3677	2.3690
2.3690	2.3702	2.3715	2.3728
2.3728	2.3740	2.3753	2.3765
2.3765	2.3778	2.3790	2.3803
2.3803	2.3815	2.3828	2.3840
2.3840	2.3853	2.3865	2.3878
2.3878	2.3890	2.3903	2.3915
2.3915	2.3927	2.3940	2.3952
2.3952	2.3965	2.3977	2.3989
2.3989	2.4002	2.4014	2.4027
2.4027	2.4039	2.4051	2.4064
2.4064	2.4076	2.4088	2.4101
2.4101	2.4113	2.4125	2.4137
2.4137	2.4150	2.4162	2.4174
2.4174	2.4186	2.4199	2.4211
2.4211	2.4223	2.4235	2.4247
2.4247	2.4260	2.4272	2.4284
2.4284	2.4296	2.4308	2.4320
2.4320	2.4333	2.4345	2.4357
2.4357	2.4369	2.4381	2.4393
2.4393	2.4405	2.4417	2.4429
2.4429	2.4441	2.4453	2.4465
2.4465	2.4478	2.4490	2.4502
2.4502	2.4514	2.4526	2.4538
2.4538	2.4550	2.4561	2.4573
2.4573	2.4585	2.4597	2.4609
2.4609	2.4621	2.4633	2.4645
2.4645	2.4657	2.4669	2.4681
2.4681	2.4692	2.4704	2.4716
2.4716	2.4728	2.4740	2.4752
2.4752	2.4764	2.4775	2.4787
2.4787	2.4799	2.4811	2.4822
2.4822	2.4834	2.4846	2.4858
2.4858	2.4869	2.4881	2.4893
2.4893	2.4905	2.4916	2.4928
2.4928	2.4940	2.4951	2.4963
2.4963	2.4975	2.4986	2.4998
2.4998	2.5010	2.5021	2.5033
2.5033	2.5044	2.5056	2.5068
2.5068	2.5079	2.5091	2.5102
2.5102	2.5114	2.5125	2.5137
2.5137	2.5148	2.5160	2.5171

AHYMO. OUT

2. 5183	2. 5194	2. 5206	2. 5217	2. 5229	2. 5240	2. 5252
2. 5263	2. 5274	2. 5286	2. 5297	2. 5309	2. 5320	2. 5331
2. 5343	2. 5354	2. 5365	2. 5377	2. 5388	2. 5399	2. 5411
2. 5422	2. 5433	2. 5445	2. 5456	2. 5467	2. 5478	2. 5490
2. 5501	2. 5512	2. 5523	2. 5535	2. 5546	2. 5557	2. 5568
2. 5579	2. 5590	2. 5602	2. 5613	2. 5624	2. 5635	2. 5646
2. 5657	2. 5668	2. 5679	2. 5691	2. 5702	2. 5713	2. 5724
2. 5735	2. 5746	2. 5757	2. 5768	2. 5779	2. 5790	2. 5801
2. 5812	2. 5823	2. 5834	2. 5845	2. 5856	2. 5867	2. 5878
2. 5889	2. 5899	2. 5910	2. 5921	2. 5932	2. 5943	2. 5954
2. 5965	2. 5976	2. 5986	2. 5997	2. 6008	2. 6019	2. 6030
2. 6040	2. 6051	2. 6062	2. 6073	2. 6084	2. 6094	2. 6105
2. 6116	2. 6126	2. 6137	2. 6148	2. 6159	2. 6169	2. 6180
2. 6191	2. 6201	2. 6212	2. 6223	2. 6233	2. 6244	2. 6254
2. 6265	2. 6276	2. 6286	2. 6297	2. 6307	2. 6318	2. 6328
2. 6339	2. 6350	2. 6360	2. 6371	2. 6381	2. 6392	2. 6402
2. 6413	2. 6423	2. 6433	2. 6444	2. 6454	2. 6465	2. 6475
2. 6486	2. 6496	2. 6506	2. 6517	2. 6527	2. 6538	2. 6548
2. 6558	2. 6569	2. 6579	2. 6589	2. 6600	2. 6610	2. 6620
2. 6630	2. 6641	2. 6651	2. 6661	2. 6672	2. 6682	2. 6692
2. 6702	2. 6712	2. 6723	2. 6733	2. 6743	2. 6753	2. 6763
2. 6774	2. 6784	2. 6794	2. 6804	2. 6814	2. 6824	2. 6834
2. 6844	2. 6854	2. 6865	2. 6875	2. 6885	2. 6895	2. 6905
2. 6915	2. 6925	2. 6935	2. 6945	2. 6955	2. 6965	2. 6975
2. 6985	2. 6995	2. 7005	2. 7015	2. 7025	2. 7034	2. 7044
2. 7054	2. 7064	2. 7074	2. 7084	2. 7094	2. 7104	2. 7114
2. 7123	2. 7133	2. 7143	2. 7153	2. 7163	2. 7172	2. 7182
2. 7192	2. 7202	2. 7211	2. 7221	2. 7231	2. 7241	2. 7250
2. 7260	2. 7270	2. 7280	2. 7289	2. 7299	2. 7309	2. 7318
2. 7328	2. 7338	2. 7347	2. 7357	2. 7366	2. 7376	2. 7386
2. 7395	2. 7405	2. 7414	2. 7424	2. 7433	2. 7443	2. 7452
2. 7462	2. 7472	2. 7481	2. 7491	2. 7500		

COMPUTE NM HYD ID=1 HYD NO=101 DA= .0012078 SQ MI
 PER A=0 PER B=0.0 PER C=10.0 PER D=90.00
 TP=-.135 MASSRAIN=-1

K = 0.073575HR TP = 0.135000HR K/TP RATIO = 0.545000 SHAPE
 CONSTANT, N = 7.106428
 UNIT PEAK = 4.2376 CFS UNIT VOLUME = 0.9962 B = 526.28
 P60 = 2.0100
 AREA = 0.001087 SQ MI IA = 0.10000 INCHES INF = 0.04000
 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =
 0.050000

K = 0.108816HR TP = 0.135000HR K/TP RATIO = 0.806046 SHAPE
 CONSTANT, N = 4.440407
 UNIT PEAK = 0.34314 CFS UNIT VOLUME = 0.9680 B = 383.54
 P60 = 2.0100
 AREA = 0.000121 SQ MI IA = 0.35000 INCHES INF = 0.83000
 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =
 0.050000

PRINT HYD ID=1 CODE=3

PARTIAL HYDROGRAPH 101.00

TIME	FLOW	TIME	FLOW	TIME	FLOW
------	------	------	------	------	------

			AHYMO. OUT				
TIME	FLOW		TIME	FLOW			
HRS	HRS	CFS	HRS	HRS	CFS	HRS	CFS
	0.000	0.0		4.950	0.0	9.900	0.0
14.850	0.0		19.800	0.0			
	0.150	0.0		5.100	0.0	10.050	0.0
15.000	0.0		19.950	0.0			
	0.300	0.0		5.250	0.0	10.200	0.0
15.150	0.0		20.100	0.0			
	0.450	0.0		5.400	0.0	10.350	0.0
15.300	0.0		20.250	0.0			
	0.600	0.0		5.550	0.0	10.500	0.0
15.450	0.0		20.400	0.0			
	0.750	0.0		5.700	0.0	10.650	0.0
15.600	0.0		20.550	0.0			
	0.900	0.0		5.850	0.0	10.800	0.0
15.750	0.0		20.700	0.0			
	1.050	0.2		6.000	0.0	10.950	0.0
15.900	0.0		20.850	0.0			
	1.200	0.5		6.150	0.0	11.100	0.0
16.050	0.0		21.000	0.0			
	1.350	1.3		6.300	0.0	11.250	0.0
16.200	0.0		21.150	0.0			
	1.500	3.6		6.450	0.0	11.400	0.0
16.350	0.0		21.300	0.0			
	1.650	2.2		6.600	0.0	11.550	0.0
16.500	0.0		21.450	0.0			
	1.800	1.1		6.750	0.0	11.700	0.0
16.650	0.0		21.600	0.0			
	1.950	0.6		6.900	0.0	11.850	0.0
16.800	0.0		21.750	0.0			
	2.100	0.3		7.050	0.0	12.000	0.0
16.950	0.0		21.900	0.0			
	2.250	0.2		7.200	0.0	12.150	0.0
17.100	0.0		22.050	0.0			
	2.400	0.1		7.350	0.0	12.300	0.0
17.250	0.0		22.200	0.0			
	2.550	0.1		7.500	0.0	12.450	0.0
17.400	0.0		22.350	0.0			
	2.700	0.0		7.650	0.0	12.600	0.0
17.550	0.0		22.500	0.0			
	2.850	0.0		7.800	0.0	12.750	0.0
17.700	0.0		22.650	0.0			
	3.000	0.0		7.950	0.0	12.900	0.0
17.850	0.0		22.800	0.0			
	3.150	0.0		8.100	0.0	13.050	0.0
18.000	0.0		22.950	0.0			
	3.300	0.0		8.250	0.0	13.200	0.0
18.150	0.0		23.100	0.0			
	3.450	0.0		8.400	0.0	13.350	0.0
18.300	0.0		23.250	0.0			
	3.600	0.0		8.550	0.0	13.500	0.0
18.450	0.0		23.400	0.0			
	3.750	0.0		8.700	0.0	13.650	0.0
18.600	0.0		23.550	0.0			
	3.900	0.0		8.850	0.0	13.800	0.0
18.750	0.0		23.700	0.0			
	4.050	0.0		9.000	0.0	13.950	0.0
18.900	0.0		23.850	0.0			
	4.200	0.0		9.150	0.0	14.100	0.0
19.050	0.0		24.000	0.0			
	4.350	0.0		9.300	0.0	14.250	0.0
19.200	0.0		24.150	0.0			

				AHYMO. OUT		
19.350	4.500	0.0	24.300	9.450	0.0	14.400
	0.0			0.0		0.0
19.500	4.650	0.0		9.600	0.0	14.550
	0.0					0.0
19.650	4.800	0.0		9.750	0.0	14.700
	0.0					0.0

RUNOFF VOLUME = 2.37568 INCHES = 0.1530 ACRE-FEET
 PEAK DISCHARGE RATE = 3.61 CFS AT 1.500 HOURS BASIN AREA =
 0.0012 SQ. MI.

* ROUTE THE TOTAL FLOW THROUGH THE PROPOSED RESERVOIR
 ROUTE RESERVOIR ID=2 HYD NO=102 INFLOW=1 CODE=3
 OUTFLOW(CFS) STORAGE(AC-FT) ELEV(FT)
 0.00 0.014 88.50
 1.16 0.017 88.76
 1.34 0.021 89.00
 1.49 0.042 89.50
 1.64 0.075 90.00

* * * * *

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
0.00	0.00	88.50	0.014	0.00
0.15	0.00	88.50	0.014	0.00
0.30	0.00	88.50	0.014	0.00
0.45	0.00	88.50	0.014	0.00
0.60	0.00	88.50	0.014	0.00
0.75	0.00	88.50	0.014	0.00
0.90	0.03	88.50	0.014	0.01
1.05	0.23	88.54	0.014	0.18
1.20	0.53	88.60	0.015	0.46
1.35	1.25	88.73	0.017	1.03
1.50	3.61	89.25	0.032	1.42
1.65	2.18	89.64	0.051	1.53
1.80	1.10	89.64	0.051	1.53
1.95	0.63	89.51	0.043	1.49
2.10	0.32	89.23	0.031	1.41
2.25	0.18	88.77	0.017	1.17
2.40	0.12	88.53	0.014	0.13
2.55	0.05	88.51	0.014	0.06
2.70	0.03	88.51	0.014	0.03
2.85	0.02	88.50	0.014	0.02
3.00	0.01	88.50	0.014	0.01
3.15	0.01	88.50	0.014	0.01
3.30	0.01	88.50	0.014	0.01
3.45	0.01	88.50	0.014	0.01
3.60	0.01	88.50	0.014	0.01
3.75	0.01	88.50	0.014	0.01
3.90	0.01	88.50	0.014	0.01
4.05	0.01	88.50	0.014	0.01
4.20	0.01	88.50	0.014	0.01
4.35	0.01	88.50	0.014	0.01

			AHYMO. OUT	
4. 50	0. 01	88. 50	0. 014	0. 01
4. 65	0. 01	88. 50	0. 014	0. 01
4. 80	0. 01	88. 50	0. 014	0. 01
4. 95	0. 01	88. 50	0. 014	0. 01
5. 10	0. 01	88. 50	0. 014	0. 01
5. 25	0. 01	88. 50	0. 014	0. 01
5. 40	0. 01	88. 50	0. 014	0. 01
5. 55	0. 01	88. 50	0. 014	0. 01
5. 70	0. 02	88. 50	0. 014	0. 02
5. 85	0. 02	88. 50	0. 014	0. 02
6. 00	0. 02	88. 50	0. 014	0. 02
6. 15	0. 02	88. 50	0. 014	0. 02
6. 30	0. 02	88. 50	0. 014	0. 02
6. 45	0. 02	88. 50	0. 014	0. 02
6. 60	0. 02	88. 50	0. 014	0. 02
6. 75	0. 02	88. 50	0. 014	0. 02
6. 90	0. 02	88. 50	0. 014	0. 02
7. 05	0. 02	88. 50	0. 014	0. 02
7. 20	0. 02	88. 50	0. 014	0. 02
7. 35	0. 02	88. 50	0. 014	0. 02
7. 50	0. 02	88. 50	0. 014	0. 02
7. 65	0. 02	88. 50	0. 014	0. 02
7. 80	0. 02	88. 50	0. 014	0. 02
7. 95	0. 02	88. 50	0. 014	0. 02
8. 10	0. 02	88. 50	0. 014	0. 02
8. 25	0. 02	88. 50	0. 014	0. 02
TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
8. 40	0. 02	88. 50	0. 014	0. 02
8. 55	0. 02	88. 50	0. 014	0. 02
8. 70	0. 02	88. 50	0. 014	0. 02
8. 85	0. 02	88. 50	0. 014	0. 02
9. 00	0. 02	88. 50	0. 014	0. 02
9. 15	0. 02	88. 50	0. 014	0. 02
9. 30	0. 02	88. 50	0. 014	0. 02
9. 45	0. 02	88. 50	0. 014	0. 02
9. 60	0. 02	88. 50	0. 014	0. 02
9. 75	0. 02	88. 50	0. 014	0. 02
9. 90	0. 02	88. 50	0. 014	0. 02
10. 05	0. 02	88. 50	0. 014	0. 02
10. 20	0. 02	88. 50	0. 014	0. 02
10. 35	0. 02	88. 50	0. 014	0. 02
10. 50	0. 02	88. 50	0. 014	0. 02
10. 65	0. 02	88. 50	0. 014	0. 02
10. 80	0. 02	88. 50	0. 014	0. 02
10. 95	0. 02	88. 50	0. 014	0. 02
11. 10	0. 02	88. 50	0. 014	0. 02
11. 25	0. 02	88. 50	0. 014	0. 02
11. 40	0. 02	88. 50	0. 014	0. 02
11. 55	0. 02	88. 50	0. 014	0. 02
11. 70	0. 02	88. 50	0. 014	0. 02
11. 85	0. 02	88. 50	0. 014	0. 02
12. 00	0. 02	88. 50	0. 014	0. 02
12. 15	0. 02	88. 50	0. 014	0. 02
12. 30	0. 02	88. 50	0. 014	0. 02
12. 45	0. 02	88. 50	0. 014	0. 02
12. 60	0. 02	88. 50	0. 014	0. 02
12. 75	0. 02	88. 50	0. 014	0. 02
12. 90	0. 02	88. 50	0. 014	0. 02
13. 05	0. 02	88. 50	0. 014	0. 02
13. 20	0. 02	88. 50	0. 014	0. 02

			AHYMO. OUT	
13. 35	0. 02	88. 50	0. 014	0. 02
13. 50	0. 02	88. 50	0. 014	0. 02
13. 65	0. 02	88. 50	0. 014	0. 02
13. 80	0. 02	88. 50	0. 014	0. 02
13. 95	0. 02	88. 50	0. 014	0. 02
14. 10	0. 02	88. 50	0. 014	0. 02
14. 25	0. 02	88. 50	0. 014	0. 02
14. 40	0. 02	88. 50	0. 014	0. 02
14. 55	0. 02	88. 50	0. 014	0. 02
14. 70	0. 02	88. 50	0. 014	0. 02
14. 85	0. 02	88. 50	0. 014	0. 02
15. 00	0. 02	88. 50	0. 014	0. 02
15. 15	0. 02	88. 50	0. 014	0. 02
15. 30	0. 02	88. 50	0. 014	0. 02
15. 45	0. 02	88. 50	0. 014	0. 02
15. 60	0. 02	88. 50	0. 014	0. 02
15. 75	0. 02	88. 50	0. 014	0. 02
15. 90	0. 02	88. 50	0. 014	0. 02
16. 05	0. 02	88. 50	0. 014	0. 02
16. 20	0. 02	88. 50	0. 014	0. 02
16. 35	0. 02	88. 50	0. 014	0. 02
16. 50	0. 02	88. 50	0. 014	0. 02
16. 65	0. 01	88. 50	0. 014	0. 02

TIME (HRS)	I NFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
16. 80	0. 02	88. 50	0. 014	0. 02
16. 95	0. 02	88. 50	0. 014	0. 02
17. 10	0. 02	88. 50	0. 014	0. 02
17. 25	0. 01	88. 50	0. 014	0. 02
17. 40	0. 02	88. 50	0. 014	0. 02
17. 55	0. 02	88. 50	0. 014	0. 02
17. 70	0. 02	88. 50	0. 014	0. 01
17. 85	0. 01	88. 50	0. 014	0. 01
18. 00	0. 01	88. 50	0. 014	0. 01
18. 15	0. 01	88. 50	0. 014	0. 01
18. 30	0. 01	88. 50	0. 014	0. 01
18. 45	0. 01	88. 50	0. 014	0. 01
18. 60	0. 01	88. 50	0. 014	0. 01
18. 75	0. 01	88. 50	0. 014	0. 01
18. 90	0. 01	88. 50	0. 014	0. 01
19. 05	0. 01	88. 50	0. 014	0. 01
19. 20	0. 01	88. 50	0. 014	0. 01
19. 35	0. 01	88. 50	0. 014	0. 01
19. 50	0. 01	88. 50	0. 014	0. 01
19. 65	0. 01	88. 50	0. 014	0. 01
19. 80	0. 01	88. 50	0. 014	0. 01
19. 95	0. 01	88. 50	0. 014	0. 01
20. 10	0. 01	88. 50	0. 014	0. 01
20. 25	0. 01	88. 50	0. 014	0. 01
20. 40	0. 01	88. 50	0. 014	0. 01
20. 55	0. 01	88. 50	0. 014	0. 01
20. 70	0. 01	88. 50	0. 014	0. 01
20. 85	0. 01	88. 50	0. 014	0. 01
21. 00	0. 01	88. 50	0. 014	0. 01
21. 15	0. 01	88. 50	0. 014	0. 01
21. 30	0. 01	88. 50	0. 014	0. 01
21. 45	0. 01	88. 50	0. 014	0. 01
21. 60	0. 01	88. 50	0. 014	0. 01
21. 75	0. 01	88. 50	0. 014	0. 01
21. 90	0. 01	88. 50	0. 014	0. 01
22. 05	0. 01	88. 50	0. 014	0. 01

AHYMO. OUT

22. 20	0. 01	88. 50	0. 014	0. 01
22. 35	0. 01	88. 50	0. 014	0. 01
22. 50	0. 01	88. 50	0. 014	0. 01
22. 65	0. 01	88. 50	0. 014	0. 01
22. 80	0. 01	88. 50	0. 014	0. 01
22. 95	0. 01	88. 50	0. 014	0. 01
23. 10	0. 01	88. 50	0. 014	0. 01
23. 25	0. 01	88. 50	0. 014	0. 01
23. 40	0. 01	88. 50	0. 014	0. 01
23. 55	0. 01	88. 50	0. 014	0. 01
23. 70	0. 01	88. 50	0. 014	0. 01
23. 85	0. 01	88. 50	0. 014	0. 01
24. 00	0. 01	88. 50	0. 014	0. 01
24. 15	0. 01	88. 50	0. 014	0. 01
24. 30	0. 00	88. 50	0. 014	0. 00

PEAK DISCHARGE = 1. 538 CFS - PEAK OCCURS AT HOUR 1. 70
 MAXIMUM WATER SURFACE ELEVATION = 89. 662
 MAXIMUM STORAGE = 0. 0527 AC-FT INCREMENTAL TIME= 0. 050000HRS

PRINT HYD ID=2 CODE=3

PARTIAL HYDROGRAPH 102. 00

TIME	TIME	FLOW	TIME	TIME	FLOW	TIME	FLOW
HRS	FLOW	CFS	HRS	FLOW	CFS	HRS	CFS
	HRS			HRS			
	CFS			CFS			
	0. 000	0. 0		4. 950	0. 0	9. 900	0. 0
14. 850	0. 0	0. 0	19. 800	0. 0	0. 0	10. 050	0. 0
15. 000	0. 0	0. 0	19. 950	0. 0	0. 0	10. 200	0. 0
15. 150	0. 0	0. 0	20. 100	0. 0	0. 0	10. 350	0. 0
15. 300	0. 0	0. 0	20. 250	0. 0	0. 0	10. 500	0. 0
15. 450	0. 0	0. 0	20. 400	0. 0	0. 0	10. 650	0. 0
15. 600	0. 0	0. 0	20. 550	0. 0	0. 0	10. 800	0. 0
15. 750	0. 0	0. 0	20. 700	0. 0	0. 0	10. 950	0. 0
15. 900	0. 0	0. 2	20. 850	0. 0	0. 0	11. 100	0. 0
16. 050	0. 0	0. 5	21. 000	0. 0	0. 0	11. 250	0. 0
16. 200	0. 0	1. 0	21. 150	0. 0	0. 0	11. 400	0. 0
16. 350	0. 0	1. 4	21. 300	0. 0	0. 0	11. 550	0. 0
16. 500	0. 0	1. 5	21. 450	0. 0	0. 0	11. 700	0. 0
16. 650	0. 0	1. 5	21. 600	0. 0	0. 0	11. 850	0. 0
16. 800	0. 0	1. 5	21. 750	0. 0	0. 0	12. 000	0. 0
16. 950	0. 0	1. 4	21. 900	0. 0	0. 0	12. 150	0. 0
17. 100	0. 0	1. 2	22. 050	0. 0	0. 0	12. 300	0. 0
17. 250	0. 0	0. 1	22. 200	0. 0	0. 0	12. 450	0. 0
17. 400	0. 0	0. 1	22. 350	0. 0	0. 0		

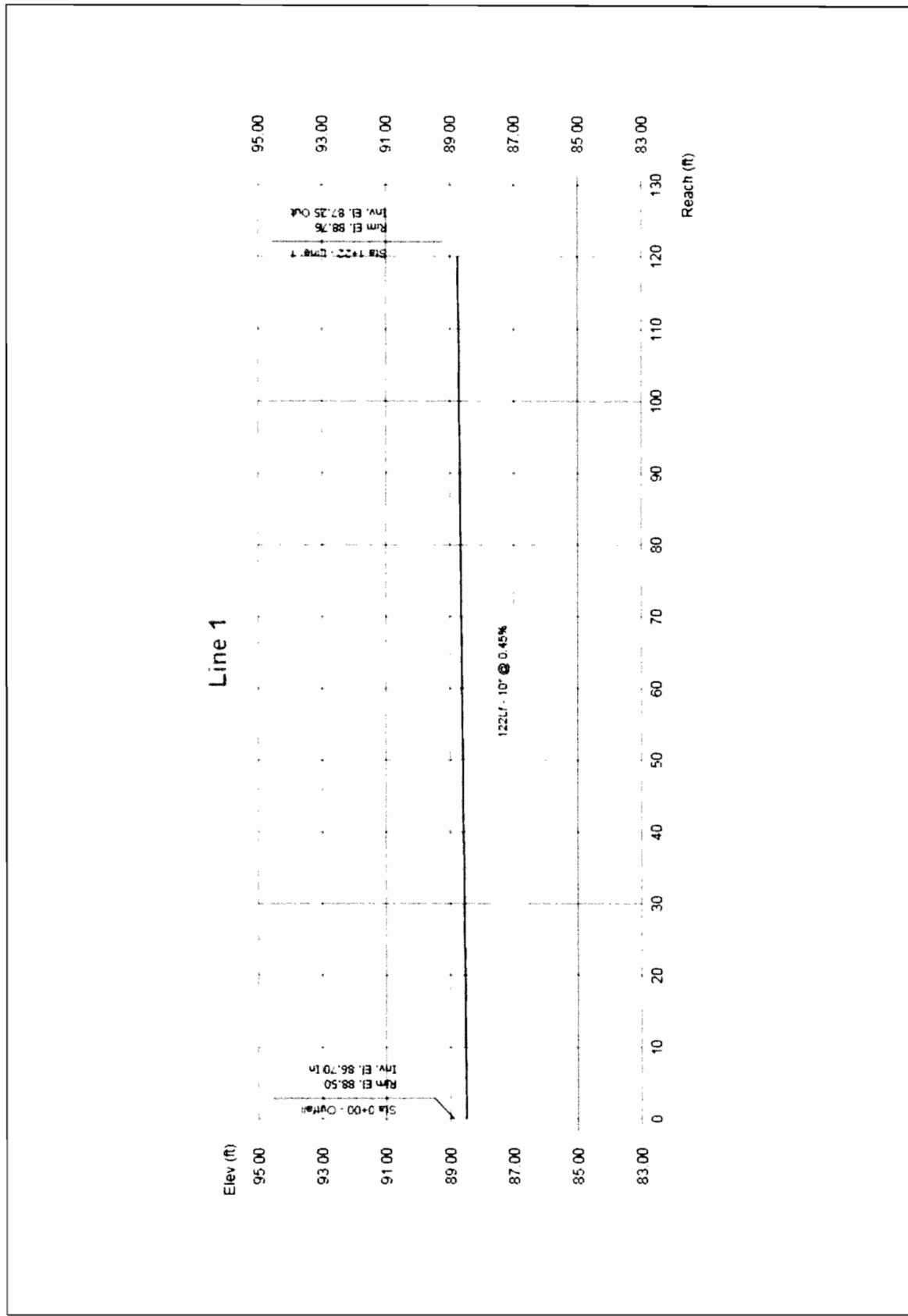
				AHYMO. OUT		
17.550	2.700	0.0	22.500	7.650	0.0	12.600
	0.0			0.0		0.0
17.700	2.850	0.0	22.650	7.800	0.0	12.750
	0.0			0.0		0.0
17.850	3.000	0.0	22.800	7.950	0.0	12.900
	0.0			0.0		0.0
18.000	3.150	0.0	22.950	8.100	0.0	13.050
	0.0			0.0		0.0
18.150	3.300	0.0	23.100	8.250	0.0	13.200
	0.0			0.0		0.0
18.300	3.450	0.0	23.250	8.400	0.0	13.350
	0.0			0.0		0.0
18.450	3.600	0.0	23.400	8.550	0.0	13.500
	0.0			0.0		0.0
18.600	3.750	0.0	23.550	8.700	0.0	13.650
	0.0			0.0		0.0
18.750	3.900	0.0	23.700	8.850	0.0	13.800
	0.0			0.0		0.0
18.900	4.050	0.0	23.850	9.000	0.0	13.950
	0.0			0.0		0.0
19.050	4.200	0.0	24.000	9.150	0.0	14.100
	0.0			0.0		0.0
19.200	4.350	0.0	24.150	9.300	0.0	14.250
	0.0			0.0		0.0
19.350	4.500	0.0	24.300	9.450	0.0	14.400
	0.0			0.0		0.0
19.500	4.650	0.0		9.600	0.0	14.550
	0.0					0.0
19.650	4.800	0.0		9.750	0.0	14.700
	0.0					0.0

RUNOFF VOLUME = 2.37545 INCHES = 0.1530 ACRE-FEET
 PEAK DISCHARGE RATE = 1.54 CFS AT 1.700 HOURS BASIN AREA =
 0.0012 SQ. MI.

FINISH

NORMAL PROGRAM FINISH

END TIME (HR: MIN: SEC) = 14:02:12

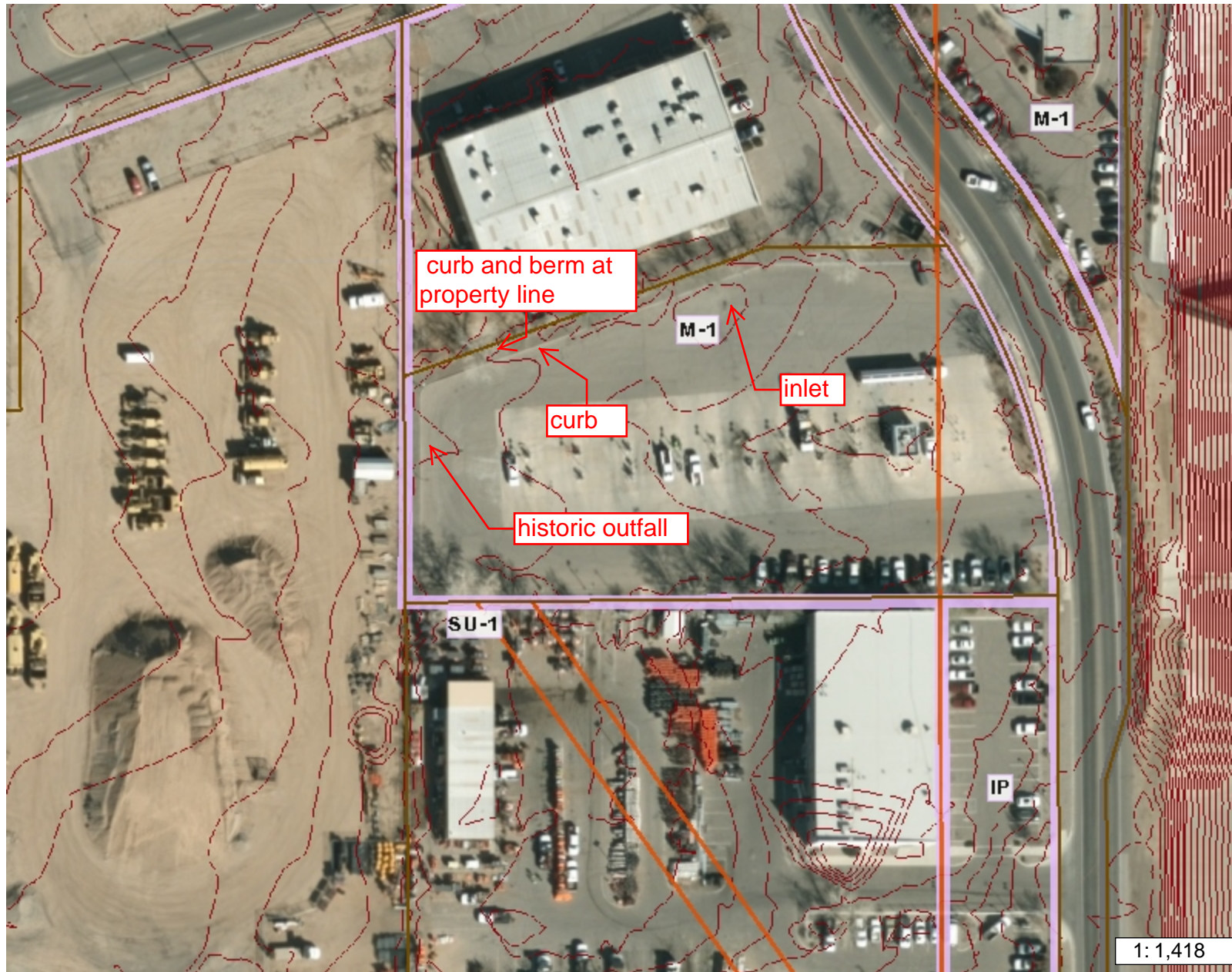


APPENDIX C

UPLAND FLOW MAP



City of Albuquerque



Legend

- Bernalillo County Parcels
- Easements
- Zoning
 - <all other values>
 - RESIDENTIAL
 - COMMERCIAL
 - OFFICE
 - INDUSTRIAL / WHOLESALE / MANUFACTURING
 - INSTITUTIONAL / GOVERNMENT
 - UTILITIES / TRANSPORTATION
 - OPEN SPACE / RECREATION / AGRICULTURAL
 - RESIDENTIAL / AGRICULTURAL
 - MESA DEL SOL MIXED USE
 - NOT CLASSIFIED
- Municipal Limits
 - Corrales
 - Edgewood
 - Los Ranchos
 - Rio Rancho
 - Tijeras
 - UNINCORPORATED
- World Street Map

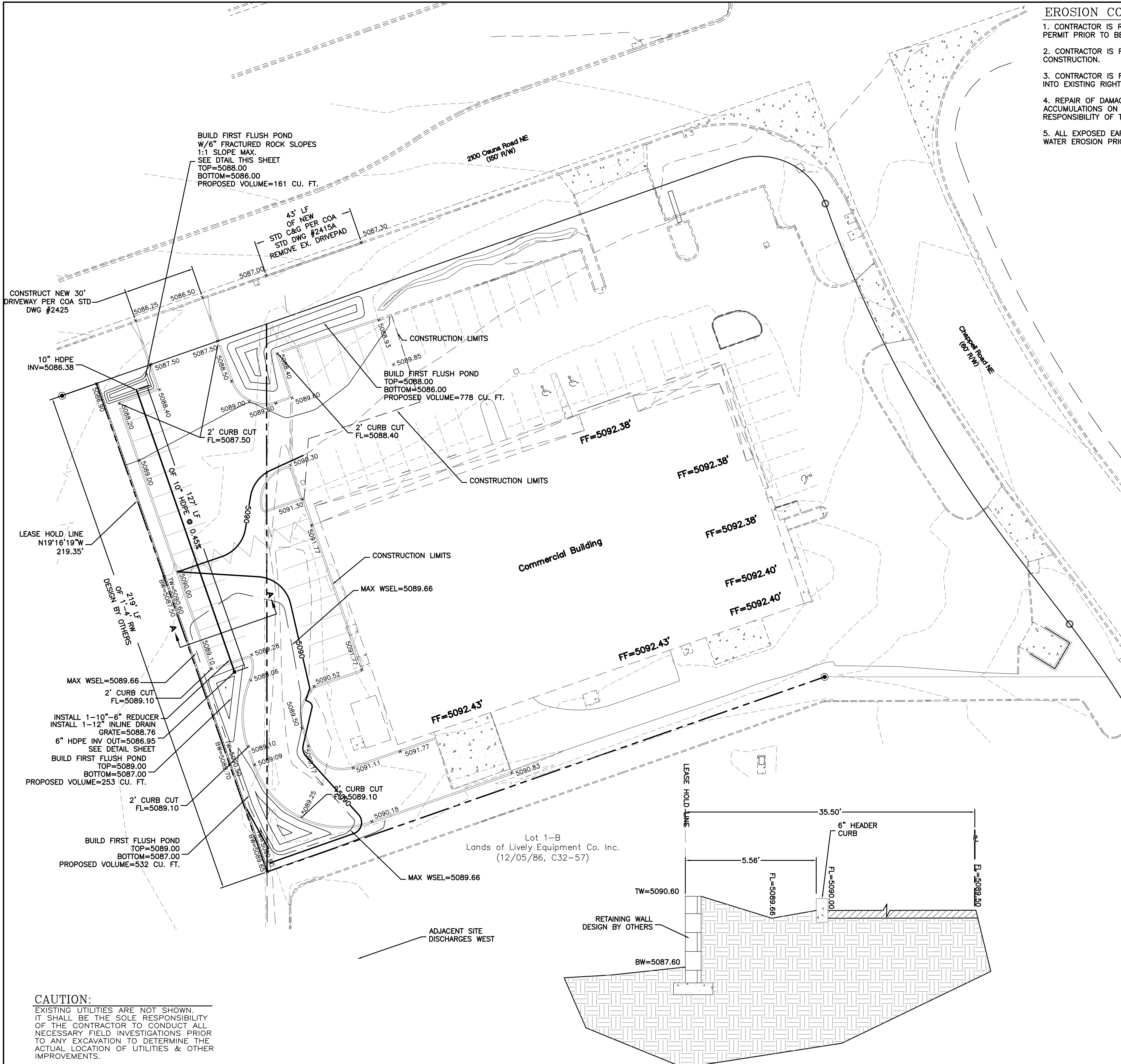
Notes

0.0 0 0.02 0.0 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere
11/14/2017 © City of Albuquerque

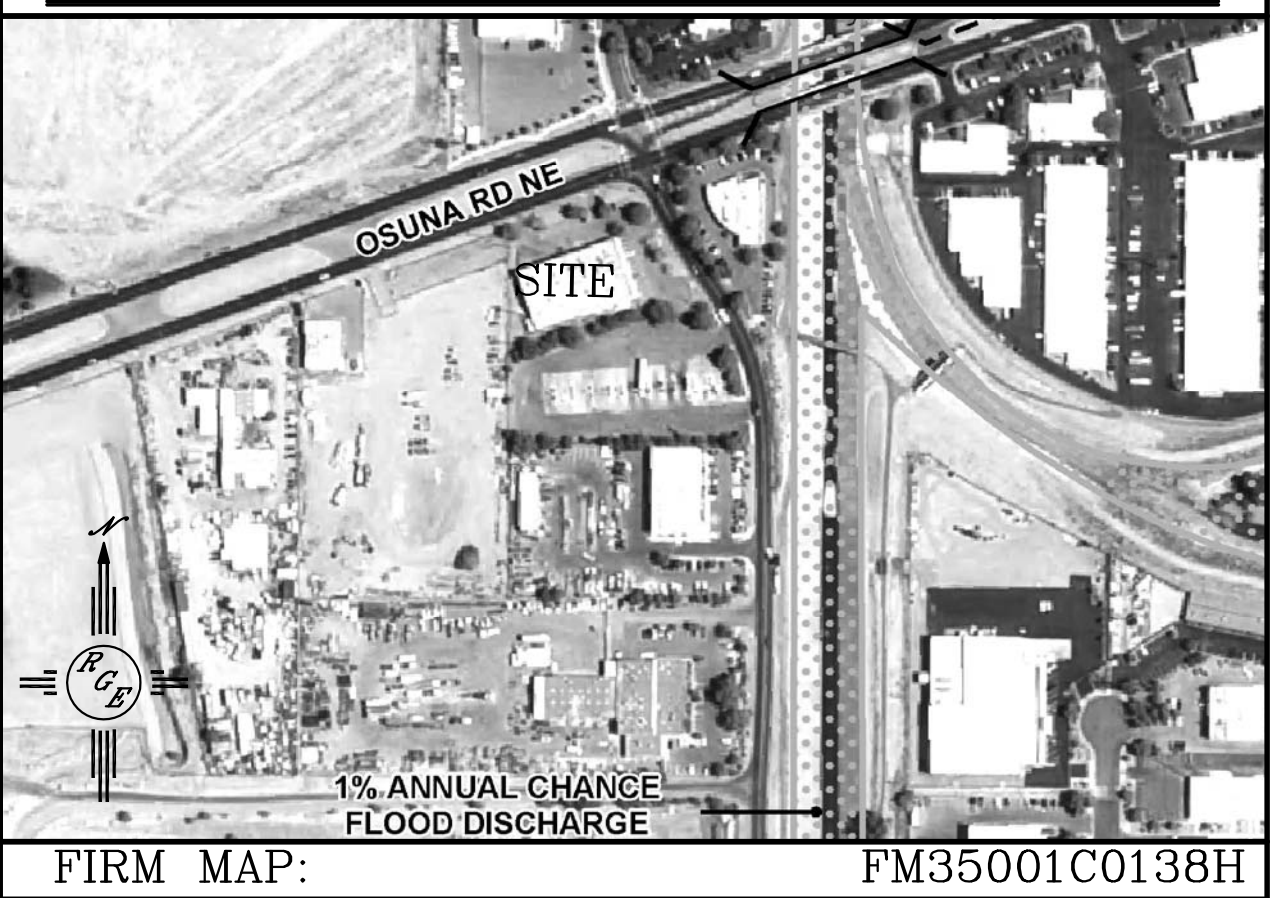
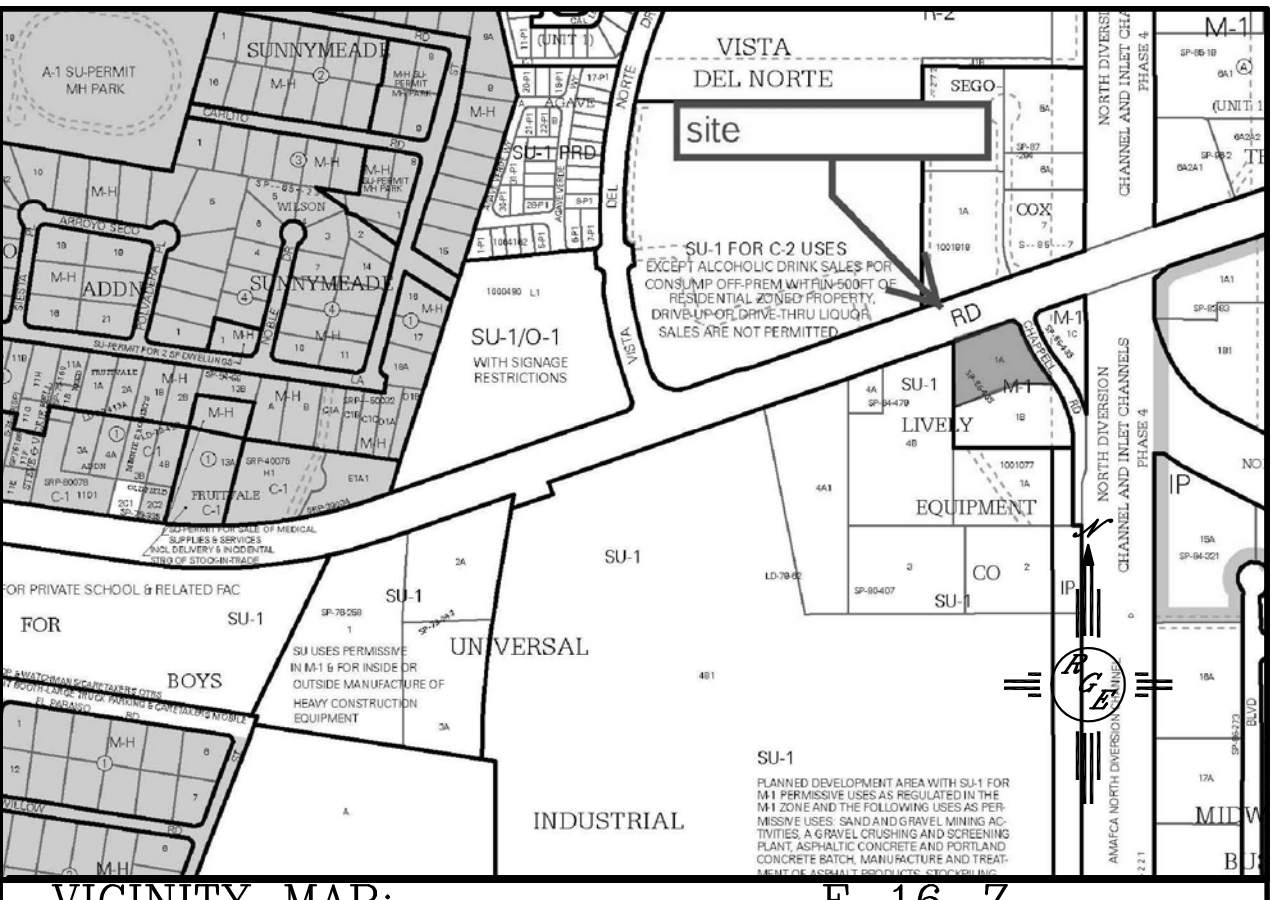
This map is a user generated static output from www.cabq.gov/gis and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR LEGAL PURPOSES



EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



LEGAL DESCRIPTION:

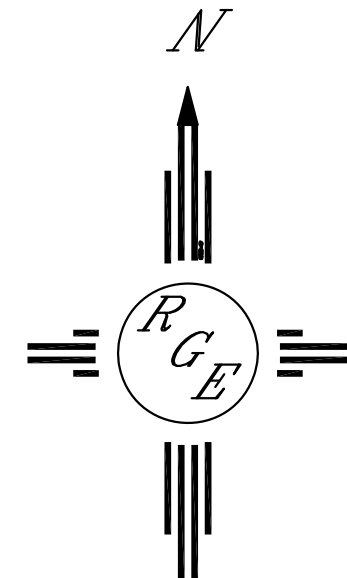
LOT 1A, 4B, LIVELY EQUIPMENT

NOTES:

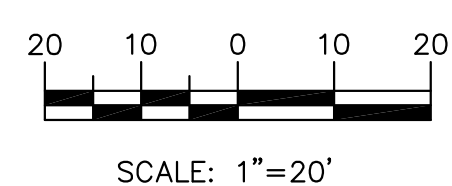
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE NOTED.
3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. ALL NEW PAVING SHALL BE 6" PCC OVER 8" SUBGRADE PREPARATION IN CONFORMANCE TO ACI 330R-08. UNLESS OTHERWISE NOTED.
5. ANY CURBS OR PAVEMENT NEGATIVELY IMPACTED BY CONSTRUCTION ACTIVITY SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
6. ALL SITE WORK SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARDS FOR PUBLIC WORKS CONSTRUCTION EDITION 9

LEGEND

- 5414--- EXISTING CONTOUR
- 5415--- EXISTING INDEX CONTOUR
- 5414--- PROPOSED CONTOUR
- 5415--- PROPOSED INDEX CONTOUR
- ▲ SLOPE TIE
- * 4048.25 EXISTING SPOT ELEVATION
- * 4048.25 PROPOSED SPOT ELEVATION
- BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY
- PROPOSED CURB
- EXISTING CURB AND GUTTER
- PROPOSED SIDEWALK
- EXISTING SIDEWALK
- PROPOSED RETAINING WALL (DESIGN BY OTHERS)



GRAPHIC SCALE



CAUTION:
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

SECTION A-A

NTS

<div>ENGINEER'S SEAL</div> <div></div> <div>1/2/18</div> <div>DAVID SOULE P.E. #14522</div>	2100 OSUNA		DRAWN BY WCWJ
	GRADING AND DRAINAGE PLAN		DATE 1-02-17
	 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999		21724-LAYOUT-3-24-17
			SHEET # — JOB # 21724

