# **CITY OF ALBUQUERQUE**



July 20, 2017

David Aube, PE Hartman + Majewski Design Group 120 Vassar Dr. SE Suite 100 Albuquerque, NM 87106

Re: **GAHP** Casa Feliz 511 Espanola St SE **Request Permanent C.O. - Accepted** Engineer's Stamp dated: 12-18-15 (L19D073H) Certification dated: 7-12-17

Dear Mr. Aube,

Based on the Certification received 7/17/2017, the site is acceptable for release of Certificate of Occupancy by Hydrology.

If you have any questions, you can contact me at 924-3986 or Totten Elliott at 924-3982. PO Box 1293

Albuquerque

Sincerely,

New Mexico 87103

www.cabq.gov

ellos. James D. Hughes, P.E.

Principal Engineer, Planning Dept. Development and Review Services

TE/JH C:

email: Serna, Yvette; Fox, Debi; Tena, Victoria; Sandoval, Darlene M.

# I. PURPOSE AND SCOPE

THE PURPOSE OF THIS DRAINAGE PLAN IS TO PRESENT THE EXISTING AND PROPOSED DRAINAGE

## **II. SITE DESCRIPTION AND HISTORY**

THE PROJECT CONTAINS MANY SCATTERED SITES, LOCATED AROUND A PREVIOUS PROJECT BY GREATER ALBUQUERQUQ HOUSING AUTHORITY CALLED PLAZA FELIZ. THE SITES ARE LOCATED ON ESPANOLA STREET SE, SAN PABLO STREET SE, GROVE STREET SE, BELL AVENUE SE, AND TRUMBELL AVENUE SE.

THIS AREA WAS AT ONE TIME FULLY DEVELOPED WITH A FOURPLEX ON EACH OF THE LOTS BEING REDEVELOPED BY THIS PROJECT. THE LAND WAS ORIGINALLY SUBDIVIDED IN 1944 AND WAS FULLY DEVELOPED PRIOR TO THE IMPLEMENTATION OF THE DRAINAGE ORDINANCE RESTRICTING FLOW FROM THE SITES INTO THE PUBLIC WAY. DEMOLITION OF THESE PRIOR FOURPLEXES WAS COMPLETED BY 2010 WITH THE EXCEPTION OF ONE LOT THAT STILL NEEDS TO HAVE THE BUILDING REMOVED FOR THIS PROJECT.

THE SITES WERE ALL FREE DISCHARGE INTO THE STREET, OR IN SOME CASES INTO THE ADJACENT PROPERTIES. EACH OF THE SITES WERE ANALYZED AS TYPE C SOIL TO ACCOUNT FOR THE PREVIOUSLY COMPACTED SOIL CONDITIONS. THIS INCLUDES THE LOT WITH THE EXISTING BUILDING TO BE REMOVED.

#### III. COMPUTATIONAL PROCEDURES

HYDROLOGIC ANALYSIS WAS PERFORMED UTILIZING THE DESIGN CRITERIA BASED ON SECTION 22.2, HYDROLOGY, OF THE DEVELOPMENT PROCESS MANUAL.

#### **IV. PRECIPITATION**

THE STORM EVENT USED FOR THE FOLLOWING CALCULATIONS IS THE 100YR-6HR STORM. THE PROJECT SITE IS LOCATED IN ZONE 3.

### V. EXISTING DRAINAGE CONDITIONS (REFER TO CD EX1)

CURRENTLY THE SITES FLOW FROM EAST TO WEST AND TOWARD BELL AVENUE FROM BOTH NORTH AND SOUTH. WITH THE PRIOR DEVELOPMENT, MANY OF THE LOTS CREATED CROSS LOT DRAINAGE PATTTERNS THAT WILL BE CORRECTED WITH THIS PROJECT. HISTORICALLY THE SITES HAD BEEN DEVELOPED AS FOURPLEX UNITS WITH APPROXIMATELY 6 PARKING SPACES ON SITE. THE SITES CONTAINED MINIMAL LANDSCAPING AND WERE LIKELY 85% IMPERVIOUS (USING SURROUNDING UNITS AS A TYPICAL DEVELOPMENT DENSITY).

USING THE 85% D AND 15% C SOIL TREATMENTS THE TYPCIAL 50X135 LOT (6750 SF) CREATES A PEAK RUNOFF RATE OF 0.74 CFS AND AN EXCESS RUNOFF VOLUME OF 0.0284 ACRE FEET DURING THE 100 YEAR 6 HOUR EVENT.

TO BE MORE CONSERVATIVE, THE SITES WERE ANALYZED AS 100% C SOIL AS REQUIRED FOR SOIL COMPACTED BY HUMAN ACTIVITY. THE REDUCES THE PEAK RUNOFF RATE TO 0.53 CFS AND AN EXCESS RUNOFF VOLUME OF 0.0167 ACRE FEET DURING THE 100 YEAR 6 HOUR EVENT.

# **VI. PROPOSED DRAINAGE CONDITIONS**

THE SCATTERED SITE HAVE BEEN ANALYZED INDIVIDUALLY. BUILDINGS HAVE BEEN ASSIGNED LETTERS AND THIS REPORT IS ORGANIZED TO FOLLOW THAT SAME ORDER.

BUILDING/SITE A IS LOCATED IN A SINGLE LOT THAT WILL HAVE A PORTION OF TRUMBELL VACATED AND IS THEREFORE SLIGHTLY LARGER THAN THE TYPICAL LOT AND CONTAINS 7425 SF. THIS SITE CURRENTLY CONTAINS AN APARTMENT BUILDING THAT WILL BE DEMOLISHED. THE SITE IS BROKEN UP INTO TWO SUB BASINS, THE FIRST FLOWING WEST TOWARD SAN PABLO AND THE OTHER TO THE EAST AND INTO TRUMBELL ON THE SOUTH. THE COMBINED FLOW RATES FOR THIS SITE 0.70 CFS WHICH IS LESS THAN THE ACTUAL CURRENT CONDITIONS OF 0.82 SF. THESE NUMBERS WERE ADJUSTED BECAUSE THE SITE CONTAINS THE 7425 SF IN LIEU OF THE TYPCIAL 6750 SF. THE INCLUSION OF SHALLOW PONDING AREAS (4" DEEP) THAT HARVEST 113 OF THE FIRST FLUSH VOLUME (91.6 CF REQUIRED) WILL FURTHER REDUCE THE PEAK RUNOFF.

BUILDING/SITE B CONTAINS 7 PARCELS AND WOULD HAVE CREATED A PEAK RUNOFF IN THE PREVIOUSLY DEVELOPED CONDITION OF 5.18 CFS (7 \* 0.74 CFS). THE PROPOSED DEVELOPMENT WILL CREATE A PEAK RUNOFF OF 4.32 CSF AND AN EXCESS RUNOFF VOLUME OF 0.1520 ACRE FEET. THE SHALLOW PONDS SURROUNDING THE BUILDING WILL HARVEST 576 CF WHICH EXCEEDS THE FIRST FLUSH REQUIRED VOLUME OF 305.6 CF.

BUILDING/SITE C AND D CONTAINS 5 PARCELS AND WOULD HAVE CREATED A PEAK RUNOFF IN THE PREVIOUSLY DEVELOPED CONDITION OF 3.71 CFS (5 \* 0.74 CFS). THE PROPOSED DEVELOPMENT WILL CREATE A PEAK RUNOFF OF 3.28 CSF AND AN EXCESS RUNOFF VOLUME OF 0.1156 ACRE FEET. THE SHALLOW PONDS SURROUNDING THE BUILDING WILL HARVEST 454 CF WHICH EXCEEDS THE FIRST FLUSH REQUIRED VOLUME OF 271.3 CF.

BUILDING/SITE E, F AND G CONTAINS 7 PARCELS AND WOULD HAVE CREATED A PEAK RUNOFF IN THE PREVIOUSLY DEVELOPED CONDITION OF 5.19 CFS (7 \* 0.74 CFS). THE PROPOSED DEVELOPMENT WILL CREATE A PEAK RUNOFF OF 4.35 CSF AND AN EXCESS RUNOFF VOLUME OF 0.1527 ACRE FEET. THE SHALLOW PONDS SURROUNDING THE BUILDING WILL HARVEST 393 CF WHICH EXCEEDS THE FIRST FLUSH REQUIRED VOLUME OF 263.0 CF.

EXCESS RUNOFF FROM THESE SITES CAN DISCHARGE INTO ESPANOLA THROUGH THE DRIVEWAY OPENING OR THROUGH A SMALL RUNDOWN CHANNEL LOCATED ON THE SOUTH SIDE OF BUILDING G AND THROUGH A SIDEWALK CULVERT UNDER THE PUBLIC SIDEWALK.

BUILDING/SITE H CONTAINS 3 PARCELS AND WOULD HAVE CREATED A PEAK RUNOFF IN THE PREVIOUSLY DEVELOPED CONDITION OF 2.22 CFS (3 \* 0.74 CFS). THE PROPOSED DEVELOPMENT WILL CREATE A PEAK RUNOFF OF 1.81 CSF AND AN EXCESS RUNOFF VOLUME OF 0.0629 ACRE FEET. THE SHALLOW PONDS SURROUNDING THE BUILDING WILL HARVEST 315 CF WHICH EXCEEDS THE FIRST FLUSH REQUIRED VOLUME OF 203.8 CF.

EXCESS RUNOFF FROM THESE SITES CAN DISCHARGE INTO ESPANOLA THROUGH THE DRIVEWAY OPENING OR THROUGH A SMALL RUNDOWN CHANNEL LOCATED ON THE SOUTH SIDE OF BUILDING H AND THROUGH A SIDEWALK CULVERT UNDER THE PUBLIC SIDEWALK.

BUILDING/SITE I CONTAINS 4 PARCELS AND WOULD HAVE CREATED A PEAK RUNOFF IN THE PREVIOUSLY DEVELOPED CONDITION OF 2.97 CFS (4 \* 0.74 CFS). THE PROPOSED DEVELOPMENT WILL CREATE A PEAK RUNOFF OF 2.88 CSF AND AN EXCESS RUNOFF VOLUME OF 0.1089 ACRE FEET. THE SHALLOW PONDS SURROUNDING THE BUILDING WILL HARVEST 218.3 CF WHICH EXCEEDS THE FIRST FLUSH REQUIRED VOLUME OF 117.1 CF. THIS SITE DRAINS OUT THE SOUTHERN DRIVEWAY INTO BELL AVENUE, SE.

BUILDING/SITE J CONTAINS 4 PARCELS AND WOULD HAVE CREATED A PEAK RUNOFF IN THE PREVIOUSLY DEVELOPED CONDITION OF 3.03 CFS (SLIGHTLY LARGER DUE TO VACATED ROW ON BELL AVENUE SE THAT IS INCORPORATED INTO THE SITE). THE PROPOSED DEVELOPMENT WILL CREATE A PEAK RUNOFF OF 2.48 CSF AND AN EXCESS RUNOFF VOLUME OF 0.0848 ACRE FEET. THE SHALLOW PONDS SURROUNDING THE BUILDING WILL HARVEST 308 CF WHICH EXCEEDS THE FIRST FLUSH REQUIRED VOLUME OF 151 CF. THIS SITE DRAINS OUT THE NORTHERN DRIVEWAY INTO BELL AVENUE, SE.

BUILDING/SITE K CONTAINS 3 PARCELS AND WOULD HAVE CREATED A PEAK RUNOFF IN THE PREVIOUSLY DEVELOPED CONDITION OF 2.22 CFS (3 \* 0.74 CFS). THE PROPOSED DEVELOPMENT WILL CREATE A PEAK RUNOFF OF 1.81 CSF AND AN EXCESS RUNOFF VOLUME OF 0.0629 ACRE FEET. THE SHALLOW PONDS SURROUNDING THE BUILDING WILL HARVEST 338CF WHICH EXCEEDS THE FIRST FLUSH REQUIRED VOLUME OF 102 CF.

BUILDING/SITE L IS LOCATED IN A SINGLE LOT THAT WILL HAVE A PORTION OF TRUMBELL VACATED AND IS THEREFORE SLIGHTLY LARGER THAN THE TYPICAL LOT AND CONTAINS 7425 SF. THE COMBINED FLOW RATES FOR THIS SITE 0.70 CFS WHICH IS LESS THAN THE ACTUAL CURRENT CONDITIONS OF 0.81 SF. THE INCLUSION OF SHALLOW PONDING AREAS (4" DEEP) THAT HARVEST 118 OF THE FIRST FLUSH VOLUME (91.6 CF REQUIRED) WILL FURTHER REDUCE THE PEAK RUNOFF.

### **VII. CONCLUSIONS**

EACH INDIVIDUAL SITE HAS BEEN DESIGNED TO HARVEST MORE THAN IS REQUIRED TO MEET THE MSSSS PERMIT REQUIREMENTS FOR FIRST FLUSH VOLUMES. SITES HAVE BEEN DESIGNED TO DIRECT EXCESS RUNOFF TO THE PUBLIC STREETS WHERE PREVIOUS DEVELOPMENTS DISCHARGED IN A CROSS LOT CONFIGURATION.

EACH LOT IS STILL ALLOWING FOR FREE DISCHARGE FOR RUNOFF EXCEEDING THAT CONTAINED IN THE MSSSS REQUIREMENTS DESCRIBED ABOVE. THIS IS CONSISTENT WITH AND A REDUCTION FROM THE HISTORIC DISCHARGE RATES FROM THE PREVIOUSLY DEVELOPED LOTS.

BECAUSE THERE IS A REDUCTION IN FLOW RATES AND EXCESS RUNOFF IS DIRECTED TOWARD THE PUBLIC STREET INSTEAD OF CROSS LOT DRAINAGE, THERE SHOULD BE BENEFITS TO THE DOWNSTREAM LOTS.

\_\_\_\_\_

# MANAGEMENT PLANS FOR THE GREATER ALBUQUERQUE HOUSING PROJECT TITLED CASA FELIZ.

Project: Project Numbe: Date:

Site Location

Precipitaion Zone

Casa Fleliz

2491 10/12/15

Dave A

3 Per Table A-1 COA DPM Section 22.2

Existing summary																								
Basin Name	EXA	EX B	EXC&D	EXE	EXF&G	EXH	EXI	EX J	EXK	EXL				Typ 85% D	Тур 100%С									
Area (sf)	7425	47202	33742	13504	33742	20250	26999	27556	20250	7425				6750	6750									
Area (acres)	0.170	1.084	0.775	0.310	0.775	0.465	0.620	0.633	0.465	0.170				0.155	0.155									
%A Land treatment	0	0	0	0	0	0	0	0	0	0				0	0									
%B Land treatment	0	0	0	0	0	0	0	0	0	0				0	0									
%C Land treatment	15	15	15	15	15	15	15	15	15	15				15	100									
%D Land treatment	85	85	85	85	85	85	85	85	85	85				85	0									
Soil Treatment (acres)																								
Area "A"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00									
Area "B"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00									
Area "C"	0.03	0.16	0.12	0.05	0.12	0.07	0.09	0.09	0.07	0.03				0.02	0.15									
Area "D"	0.14	0.92	0.66	0.26	0.66	0.40	0.53	0.54	0.40	0.14				0.13	0.00									
Excess Runoff (acre-feet)	0.0040	0.4000	0.4.400	0.0500	0.4400	0.0050	0.4400	0.4400	0.0050	0.0040	0			0.0004	0.0407									
100yr. 6hr.	0.0312	0.1986	0.1420	0.0568	0.1420	0.0852	0.1136	0.1160	0.0852	0.0312	acre-ft.			0.0284	0.0167									
10yr. 6hr. 2yr. 6hr.	0.0194 0.0112	0.1235 0.0710	0.0883 0.0508	0.0353 0.0203	0.0883 0.0508	0.0530 0.0305	0.0707 0.0406	0.0721 0.0415	0.0530 0.0305	0.0194 0.0112	acre-ft. acre-ft.			0.0177 0.0102	0.0080 0.0026									
100yr. 24hr.	0.0373	0.2370	0.0508	0.0203	0.0508	0.0303	0.1356	0.1384	0.0303	0.0112	acre-ft.			0.0339	0.0020									
-	0.0010	0.2010	0.1001	0.0010	0.1001	0.1011	0.1000	0.1001	0.1011	0.0010				0.0000	0.0107									
Peak Discharge (cfs)	0.82	5 19	3.71	1 49	2 71	2 22	2.07	3.03	<b>っ</b> つつ	0.92	ofo			0.74	0.52									
100 yr. 10yr.	0.82 0.54	5.18 3.45	2.46	1. <b>4</b> 8 0.99	3.71 2.46	2.22 1.48	2.97 1.97	3.03 2.01	2.22 1.48	0.82 0.54	cfs cfs			0.74 0.49	0.53 0.31									
2yr.	0.32	2.01	1.43	0.57	1.43	0.86	1.15	1.17	0.86	0.34	cfs			0.49	0.12									
														0.20	<u>-</u>									
Proposed summary																								
Basin Name	Pro A1	Pro A2	Pro B1	Pro B2	Pro C1	Pro C2	Pro D1	Pro E1	Pro F1	Pro F2	Pro G1	Pro H1	Pro H2	Pro I1	Pro I2	Pro I3	Pro J1	Pro J2	Pro J3	Pro K1	Pro K2	Pro L1	Pro L2	
Area (sf)	2104	5321	12942	34260	4525	25692	4525	7462	4525	30721	4525	6275	13975	3257	3342	20400	5469	21808	278	6435	13815	2104	5321	
Area (acres)	0.048	0.122	0.297	0.787	0.104	0.590	0.104	0.171	0.104	0.705	0.104	0.144	0.321	0.075	0.077	0.468	0.126	0.501	0.006	0.148	0.317	0.048	0.122	
%A Land treatment	10	0	45	45	10		10	50	10		10	25	10	10			25	10		25	10	10		
%B Land treatment %C Land treatment	10 25	0 65	15 25	15 50	10 25	65	10 25	50 15	10 25	65	10 25	25 25	10 60	10 20	65	15	25 25	10 60	50	25 25	10 60	10 25	65	
%D Land treatment	25 65	35	25 60	35	25 65	35	25 65	35	25 65	35	25 65	20 50	30	20 70	35	85	25 50	30	50 50	25 50	30	25 65	35	
	00	00	00	00	00	00	00	00	00	00	00	00	00	10	00	00	00	00	00			00	00	
Soil Treatment (acres) Area "A"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Area "B"	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Area "C"	0.01	0.08	0.07	0.39	0.03	0.38	0.03	0.03	0.03	0.46	0.03	0.04	0.19	0.01	0.05	0.07	0.03	0.30	0.00	0.04 0.04	0.19	0.00	0.08	
Area "D"	0.03	0.04	0.18	0.28	0.07	0.21	0.07	0.06	0.07	0.25	0.07	0.07	0.10	0.05	0.03	0.40	0.06	0.15	0.00	0.07	0.10	0.03	0.04	
Excess Runoff (acre-feet)																								
100yr. 6hr.	0.0078	0.0169	0.0465	0.1055	0.0169	0.0818	0.0169	0.0211	0.0169	0.0978	0.0169	0.0208	0.0421	0.0125	0.0106	0.0858	0.0181	0.0657	0.0010	0.0213	0.0416	0.0078	0.0169	acre-f
10yr. 6hr.	0.0047	0.0094	0.0275	0.0583	0.0101	0.0456	0.0101	0.0114	0.0101	0.0545	0.0101	0.0119	0.0229	0.0075	0.0059	0.0534	0.0104	0.0358	0.0006	0.0122	0.0227	0.0047	0.0094	acre-f
2yr. 6hr.	0.0026	0.0045	0.0147	0.0276	0.0055	0.0217	0.0055	0.0053	0.0055	0.0259	0.0055	0.0061	0.0105	0.0042	0.0028	0.0307	0.0053	0.0164	0.0003	0.0063	0.0104	0.0026	0.0045	acre-f
100yr. 24hr.	0.0092	0.0187	0.0539	0.1169	0.0197	0.0904	0.0197	0.0236	0.0197	0.1081	0.0197	0.0238	0.0461	0.0147	0.0118	0.1024	0.0207	0.0719	0.0011	0.0244	0.0456	0.0092	0.0187	acre-f
Peak Discharge (cfs)																								
100 yr.	0.21	0.49	1.27	3.05	0.46	2.36	0.46	0.61	0.46	2.82	0.46	0.58	1.23	0.33	0.31	2.24	0.51	1.92	0.03	0.59	1.22	0.21	0.49	cfs
10yr.	0.14	0.30	0.81	1.86	0.29	1.47	0.29	0.36	0.29	1.75	0.29	0.36	0.75	0.22	0.19	1.49	0.31	1.17	0.02	0.37	0.74	0.14	0.30	cfs
2yr.	0.07	0.15	0.43	0.89	0.16	0.72	0.16	0.16	0.16	0.86	0.16	0.18	0.35	0.12	0.09	0.87	0.16	0.55	0.01	0.19	0.35	0.07	0.15	cfs
	101-	101-	500 1	=0.0 f	1010	0000	10.10	4055	1010	1014	1010	0 F 0 0	0500	400-	~	0700	0505	0010	~	4000	1000	1015	1015	
Roof Areas	1615 45.8	1615 <b>4</b> 5.8		5394 152.8		6286 178.1	1643 46.6	1355 38. <b>4</b>	1643 46.6	4641 131.5	1643 46.6	3598 101.9	3598 101.9	1367 38.7	0	2766 78.4	2505 71.0	2812 79.7	0	1800 51.0	1800 51.0	1615 45.8	1615 45.8	cf
First Flush Ponding Voulme (cf) First Flush Acre Feet	45.8 0.0011	45.8 0.0011	0.0035	0.0035		0.0041	46.6 0.0011	38.4 0.0009	46.6 0.0011	0.0030	46.6 0.0011	0.0023	0.0023	0.0009	0.0 0.0000	78.4 0.0018		79.7 0.0018	0.0 0.0000	0.0012	0.0012	45.8 0.0011	45.8 0.0011	ct acre-i
	0.0011	0.0011	0.0000	0.0000	0.0011	0.0041	0.0011	0.0008	0.0011	0.0000	0.0011	0.0020	0.0023	0.0008	0.0000	0.0010	0.0010	0.0010	0.0000	0.0012	0.0012	0.0011	0.0011	

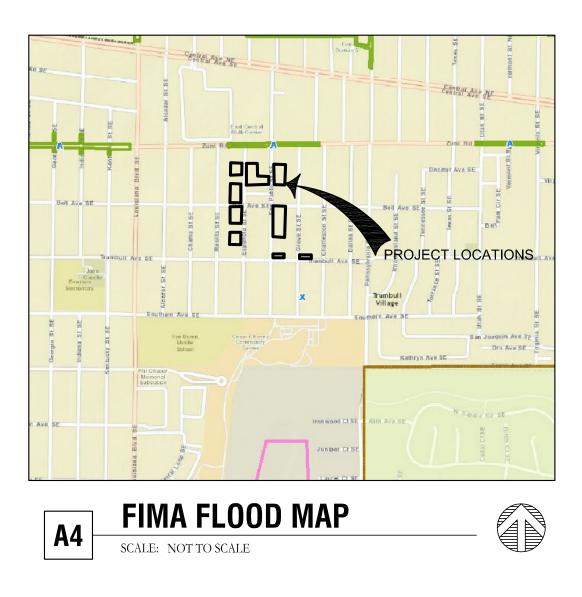
Drainage Certification (L19-D073G, DRB#1010672, 16ZHE-80041) & (L19-D073H, DRB#1010667, 16ZHE-80041) & (L19-D073I, DRB#1010667, 16ZHE-80041)

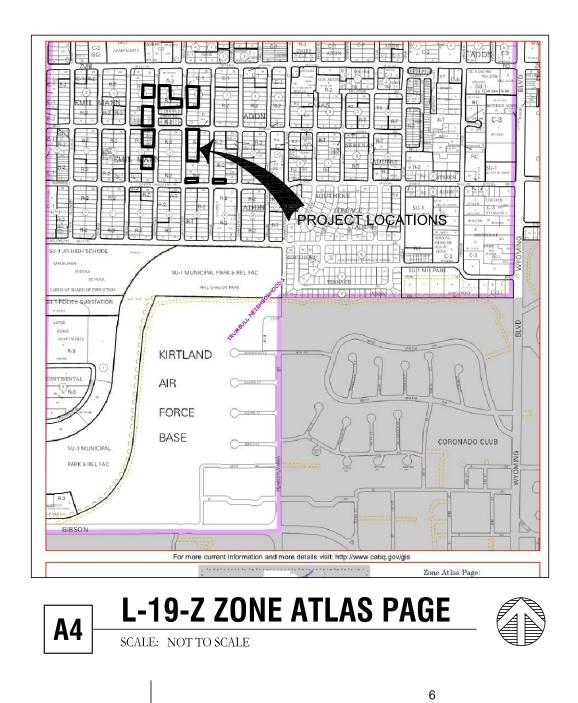
I, David A Aube. NMPE 14221, of the firm The Hartman + Majewski Design Group, Inc, hereby certify that portion of the project (Building I, J and K located at 443, 511 and 523 Espanola Street SE) is in substantial compliance with and in accordance with the design intent of the Grading and Drainage plan approved plan dated 12-18-15. The record information that has been edited onto the original design documents where obtained by Community Sciences Corporation on May 4th, 2017. I further certify that I have personally visited the project site on July 11th, 2017 and have determined by visual inspection that the actual site conditions shown on this plan to be true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Permanent Certificate of Occupancy for Building I, J and K located at 443, 511 and 523 Espanola Street SE.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the drainage aspects of this project. Those relying on the record documents are advised to obtain independent verification of its accuracy before using it for any other purpose.











SHEET NUMBER

### OVERALL EXISTING SITE DRAINAGE PLAN

SHEET TITLE

NO.	DATE	DESCRIPTION
	ht: Design Gr	oub
Copyrig		
Copyrig		[
Copyrig Drawn		DA
	by	DA
Drawn	by	-

REVISIONS

\_\_\_\_\_

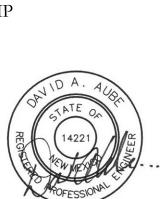
GREATER ALBUQUERQUE HOUSING PATRTNERSHIP

ALBUQUERQUE, NEW MEXICO 87108

441 ESPANOLA STREET SE,

100% CONSTRUCTION DOCUMENTS

STAMP



**PROJECT NAME** 

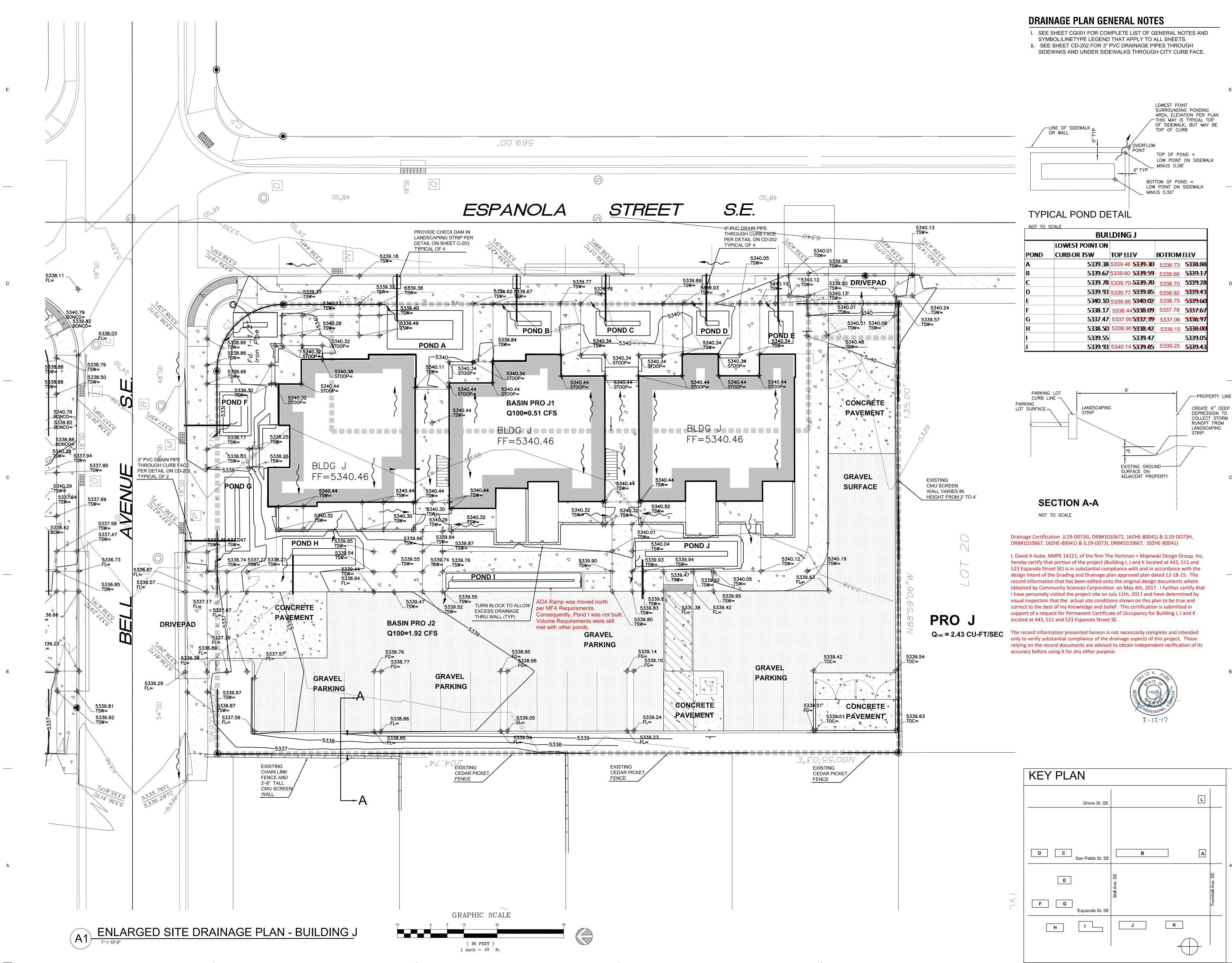
CASA FELIZ

CONSULTANT

Albuquerque New Mexico 87106 T 505 242 6880 • F 505 242 6881

THE HARTMAN + MAJEWSKI **D**ESIGN **G**ROUP Architects • Engineers • Interior Design Planners • Urban Designers • LEED® 120 Vassar Dr SE Suite 100

cre-ft acre-ft. cre-ft. cre-ft cre-ft



1

4

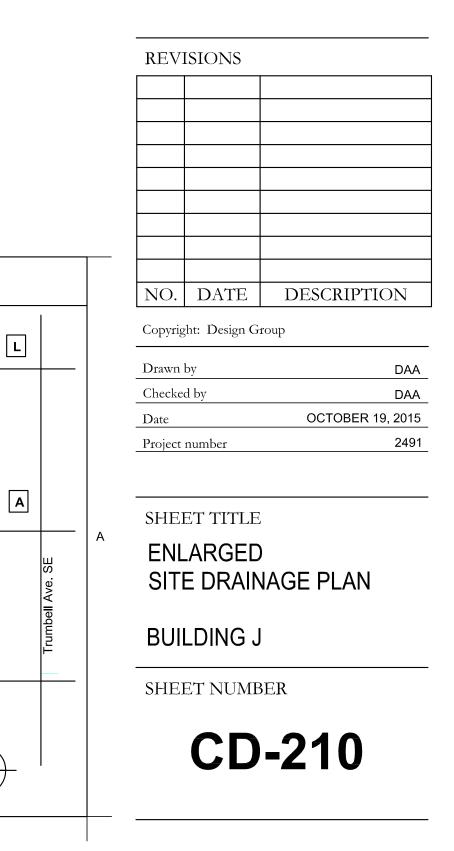
3

5

6

4

5





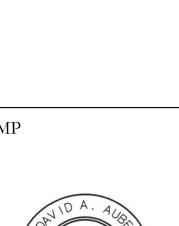
ALBUQUERQUE, NEW MEXICO 87108

441 ESPANOLA STREET SE,

**100% CONSTRUCTION** DOCUMENTS PROJECT NAME CASA FELIZ

12-18-15

STAMP



CONSULTANT

THE HARTMAN + MAJEWSKI DESIGN GROUP

Architects • Engineers • Interior Design Planners • Urban Designers • LEED®

120 Vassar Dr SE Suite 100 Albuquerque New Mexico 87106 T 505 242 6880 • F 505 242 6881

#### DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: <u>GAHP Casa Feliz (L19D073G H, I)</u> DRB #: \_\_\_\_ EPC#:\_\_\_\_ ZONE MAP/DRG. FILE #:<u>L-19-Z</u> WORK ORDER#:

LEGAL DESCRIPTION: Lot 13-18, 18-20 Block 4, Lots 4-8, 17-18 Block 5, etc. Emil Mann Addition CITY ADDRESS: 443, 511, and 523 Espanola Street SE

- ENGINEERING FIRM: Hartman + Majewski Design Group ADDRESS: <u>120 Vassar Dr SE, Suite 100</u> CITY, STATE: <u>Albuquerque, NM 87106</u>
- OWNER: Greater Albuquerque Housing Partnership ADDRESS: <u>320 Gold SW, Suite 918</u> CITY, STATE: <u>Albuquerque, NM</u>
- ARCHITECT: Hartman + Majewski Design Group ADDRESS: <u>120 Vassar Dr SE, Suite 100</u> CITY, STATE: <u>Albuquerque, NM</u>
- SURVEYOR: <u>Community Sciences.</u> ADDRESS: \_\_\_\_\_ CITY, STATE: <u>Albuquerque, NM</u>

CONTRACTOR: \_\_\_\_\_ ADDRESS: \_\_\_\_\_ CITY, STATE: \_\_\_\_

CHECK TYPE OF SUBMITTAL:

DRAINAGE REPORT DRAINAGE PLAN 1<sup>st</sup> SUBMITTAL, *REQUIRES TCL or equal* DRAINAGE PLAN RESUBMITTAL CONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN ENGINEER'S CERTIFICATION (HYDROLOGY) CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL) ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN) OTHER

WAS A PRE-DESIGN CONFERENCE ATTENDED:

YES
NO
COPY PROVIDED

DATE SUBMITTED: July 14, 2017

BY:David Aube P.E.

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature , location and scope of the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.

2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.

3. **Drainage Report**: Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

CONTACT: <u>David Aube</u> PHONE: <u>505-998-6430</u> ZIP CODE: <u>87106</u>

CONTACT: <u>Felipe Rael</u> PHONE: <u>505-244-1614</u> ZIP CODE: <u>87102</u>

CONTACT: <u>Mark Wade</u> PHONE: 505-998-6442 ZIP CODE: <u>87106</u>

CONTACT: PHONE: <u>505-</u> ZIP CODE:

CONTACT: \_\_\_\_\_ PHONE: ZIP CODE:

CHECK TYPE OF APPROVAL SOUGHT:

SIA / FINANCIAL GUARANTEE RELEASE PRELIMINARY PLAT APPROVAL S. DEV. PLAN FOR SUB'D. APPROVAL S. DEV. PLAN FOR BLDG. PERMIT APPROVAL SECTOR PLAN APPROVAL FINAL PLAT APPROVAL FOUNDATION PERMIT APPROVAL **BUILDING PERMIT APPROVAL**  $\boxtimes$ CERTIFICATE OF OCCUPANCY (PERM.) CERTIFICATE OF OCCUPANCY (TEMP.) **GRADING PERMIT APPROVAL** PAVING PERMIT APPROVAL WORK ORDER APPROVAL OTHER (SPECIFY)