CITY OF ALBUQUERQUE



Richard J. Berry, Mayor

July 26, 2017

Scott Steffen, PE Bohannan Huston, Inc. 7500 Jefferson St NE Albuquerque, NM 87109

RE: Sawmill Village Phase 2 Grading Plan Stamp Date: 7/24/17 Hydrology File: H13D025A

Dear Mr. Steffen:

PO Box 1293

Based upon the information provided in your submittal received 7/24/17, the Grading Plan **is not** approved for Building Permit. The following comments need to be addressed for approval of the above referenced project:

Albuquerque

1. Please provide the required 0.87' water block per COA Paving Detail No. 2426.

2. Please provide the three point chart for each driveway radius per COA Paving Detail No. 2426.

3. Please provide a section through the proposed building and existing adjacent pond. Please label the elevations of the top of pond, the bottom of pond and the 100 year WSE.

www.cabq.gov

New Mexico 87103

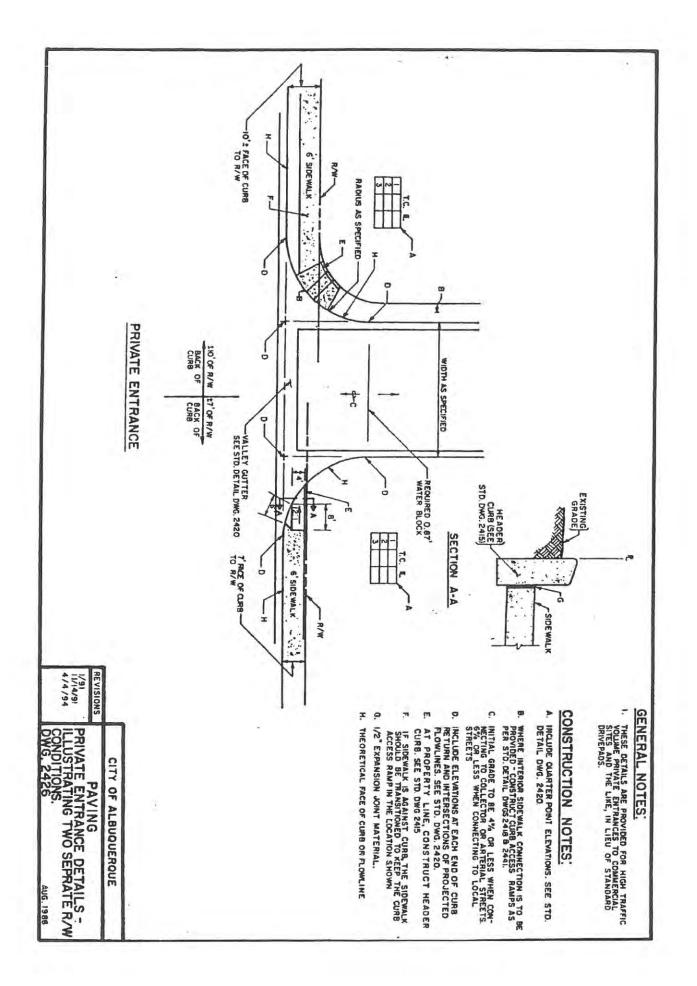
I have attached the COA Paving Detail No. 2426 and the proposed section for your use.

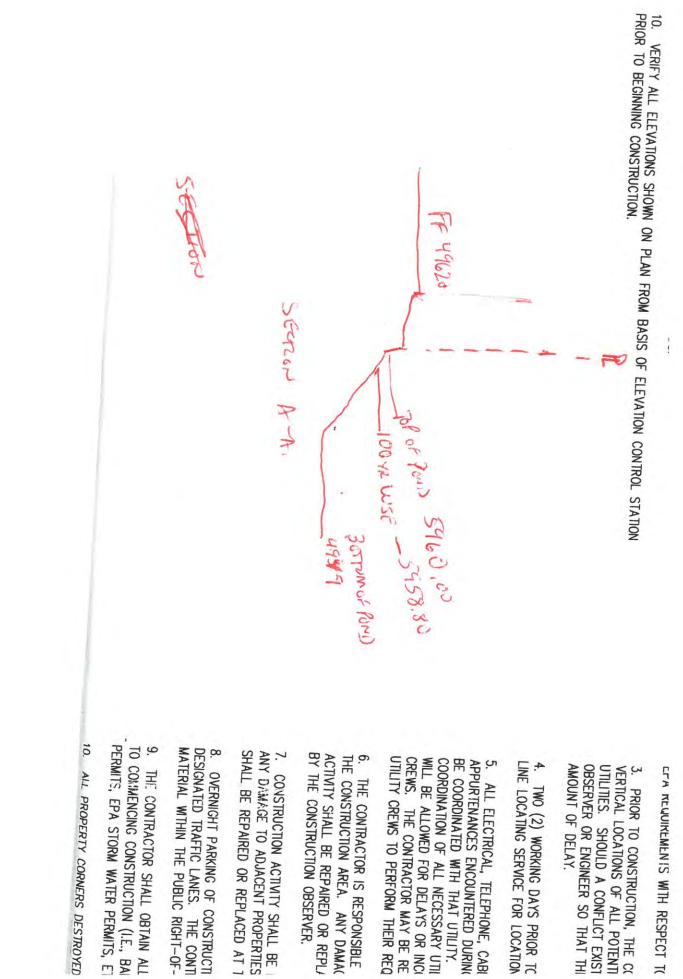
If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissetto

Reneé C. Brissette, P.E. Senior Engineer, Hydrology Planning Department





PERMITS, EPA STORM WATER PERMITS, ET TO COMMENCING CONSTRUCTION (I.E., BA)

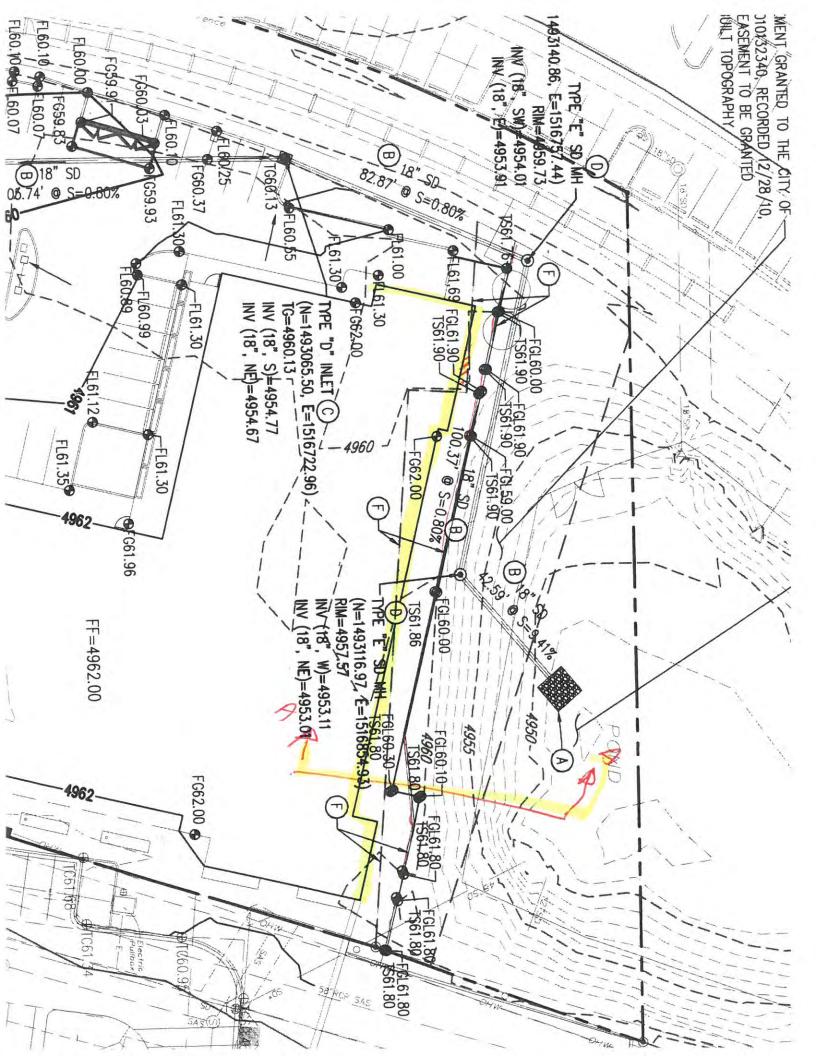
8. OVERNIGHT PARKING OF CONSTRUCTI DESIGNATED TRAFFIC LANES. THE CONTI MATERIAL WITHIN THE PUBLIC RIGHT-OF-

SHALL BE REPAIRED OR REPLACED AT 1 7. CONSTRUCTION ACTIVITY SHALL BE ANY DAMAGE TO ADJACENT PROPERTIES

ACTIVITY SHALL BE REPAIRED OR REPL/ THE CONSTRUCTION AREA. ANY DAMA(THE CONTRACTOR IS RESPONSIBLE

UTILITY CREWS TO PERFORM THEIR REQ

THE CONTRACTOR MAY BE RE



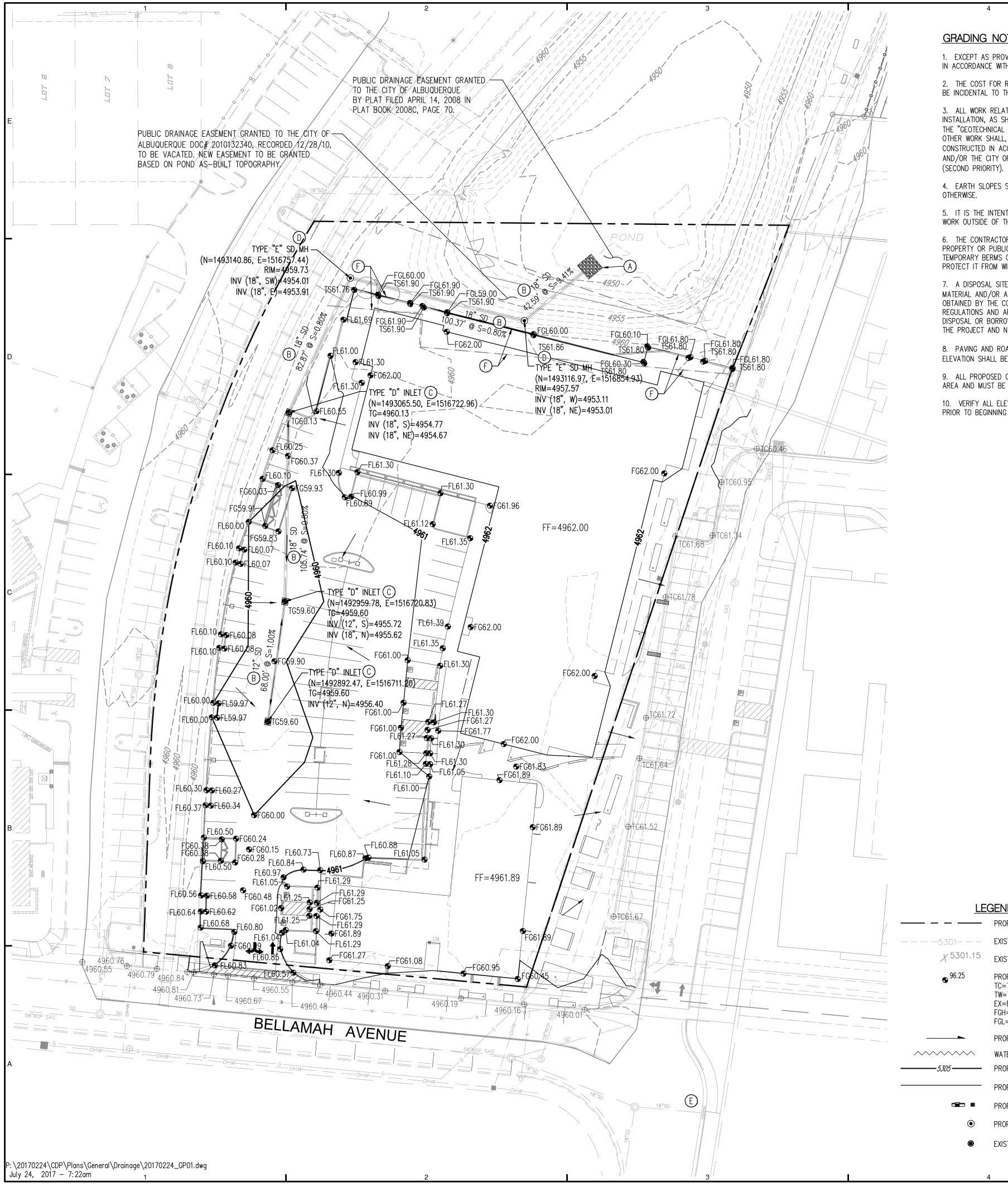


City of Albuquerque

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:				
TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CONTROL		BUILDING PERMIT APPROVAL CERTIFICATE OF OCCUPANCY				
TYPE OF SUBMITTAL:						
ENGINEER/ ARCHITECT CERTIFICATION		RY PLAT APPROVAL				
		SITE PLAN FOR SUB'D APPROVAL SITE PLAN FOR BLDG. PERMIT APPROVAL				
CONCEPTUAL G & D PLAN		FINAL PLAT APPROVAL				
GRADING PLAN						
DRAINAGE MASTER PLAN	FOUNDATIO	FOUNDATION PERMIT APPROVAL				
DRAINAGE REPORT	GRADING P	ERMIT APPROVAL				
CLOMR/LOMR	SO-19 APPR	SO-19 APPROVAL				
TRAFFIC CIRCUITATION LAVOUT (TOL)		RMIT APPROVAL				
TRAFFIC CIRCULATION LAYOUT (TCL) TRAFFIC IMPACT STUDY (TIS)		PAD CERTIFICATION				
EROSION & SEDIMENT CONTROL PLAN (ESC)	WORK ORDE					
	CLOMR/LON	/IK				
OTHER (SPECIFY)	PRE-DESIGN	MEETING				
	OTHER (SPE	ECIFY)				
IS THIS A RESUBMITTAL?: Yes No						
DATE SUBMITTED:By: _						

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ____



GRADING NOTES

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.

5

2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.

3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS

4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN

5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.

6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS OR SILT FENCE AT THE PROPERTY LINES AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.

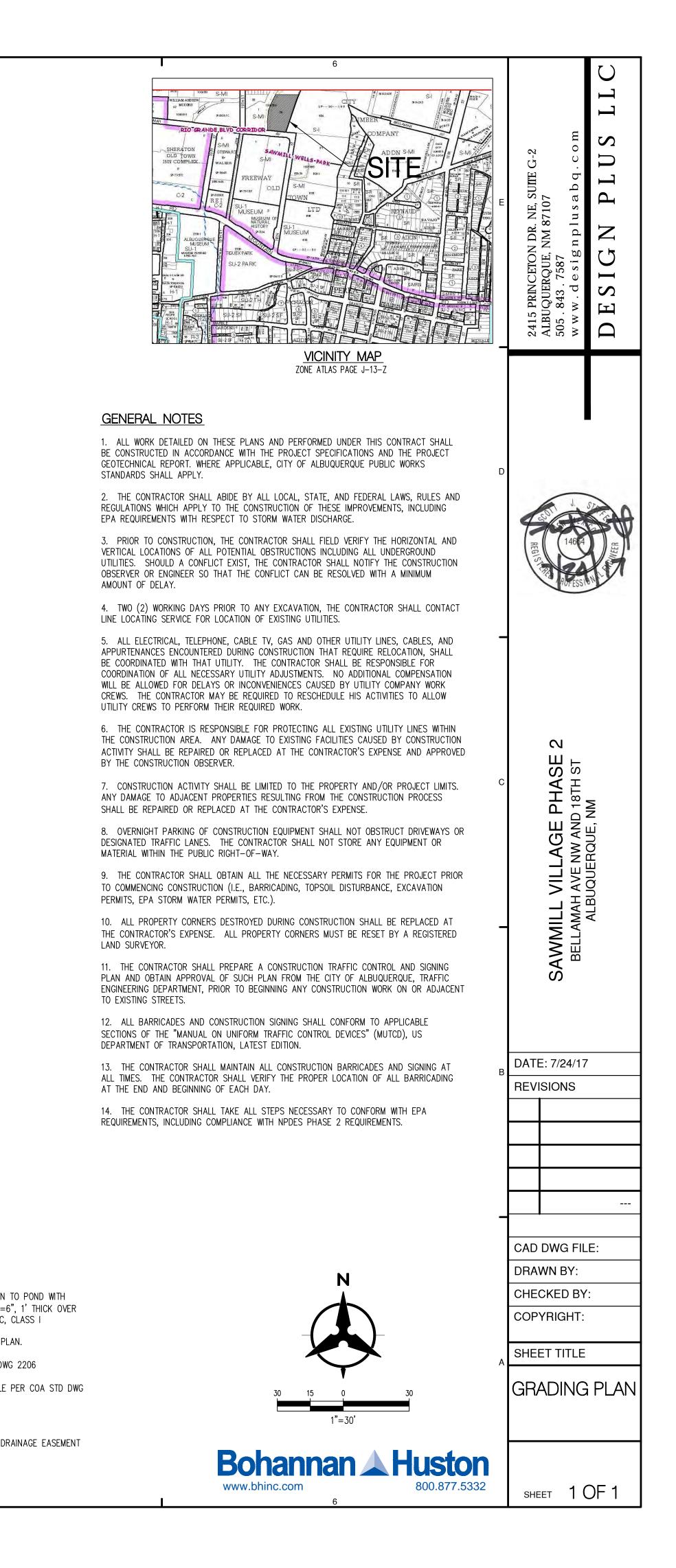
7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

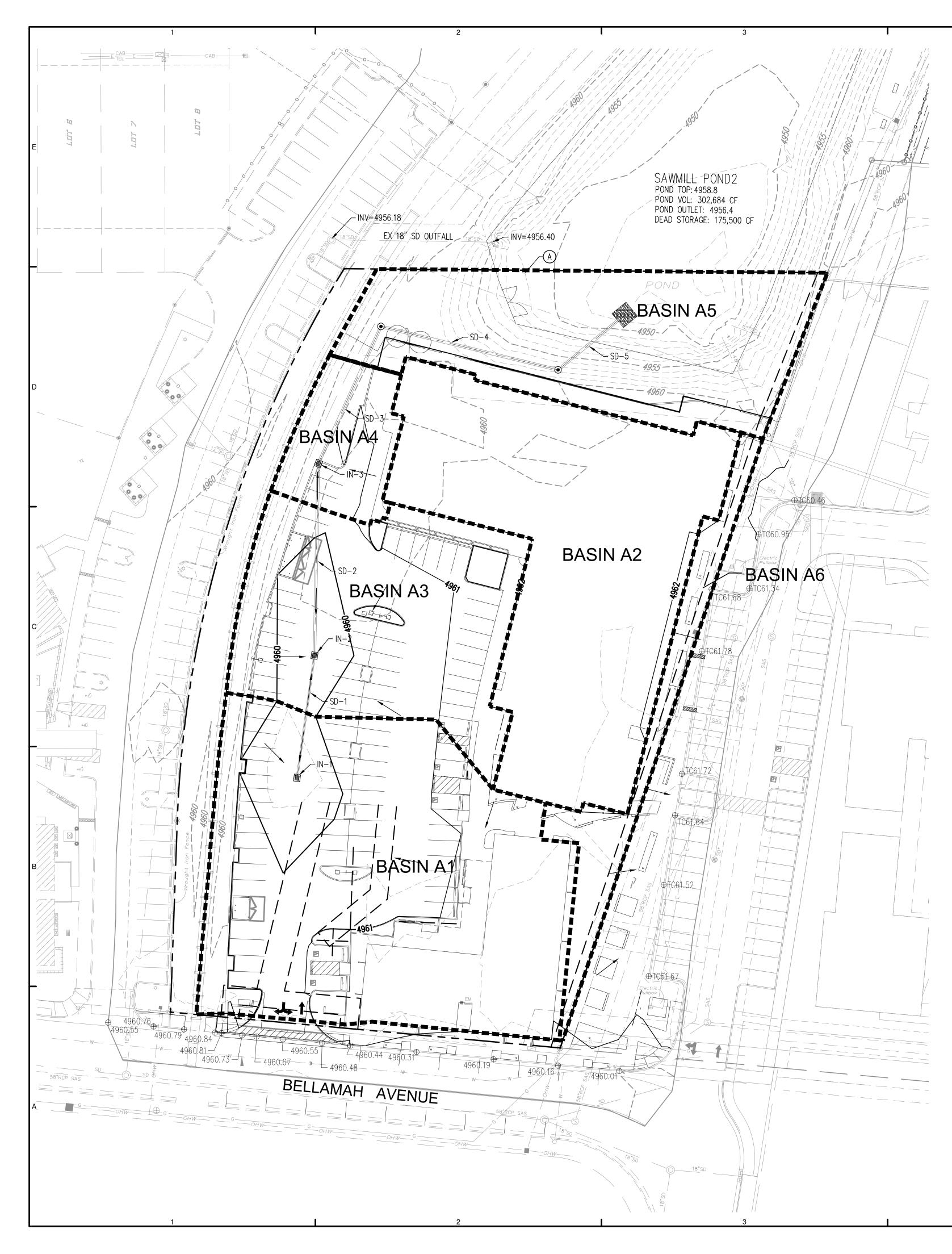
8. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATION.

9. ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR MEDIANS AND ISLANDS.

10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.

LEC	GEND		
	PROPERTY LINE		
— — — 5301— — —	EXISTING CONTOURS		
χ ^{5301.15}	EXISTING GROUND SPOT ELEVATION		
● ^{96.25}	PROPOSED SPOT ELEVATION TC=TOP OF CURB, FL=FLOW LINE TW=TOP OF WALL, BW=BOTTOM OF WALL EX=EXISTING, TG=TOP OF GRADE FGH=FINISH GROUND HIGH SIDE	A	KEYED NOTES DAYLIGHT PRIVATE STORM DRAIN TO POND
	FGL=FINISH GROUND LOW SIDE	\bigcirc	10'X10' RIP RAP BLANKET, D50=6", 1' THI NON-WOVEN GEOTEXTILE FABRIC, CLASS I
`	PROPOSED DIRECTION OF FLOW	B	HDPE STORM DRAIN, SIZE PER PLAN.
~~~~~	WATER BLOCK		TYPE 'D' INLET PER COA STD DWG 2206
	PROPOSED INDEX CONTOURS	$\bigcirc$	TIPE D INLET PER COA SID DWG 2200
	PROPOSED INTER CONTOURS	$\bigcirc$	TYPE 'E' STORM DRAIN MANHOLE PER COA 2209
	PROPOSED STORM DRAIN INLET	E	EXISTING STORM DRAIN INLET
۲	PROPOSED MANHOLE	(F)	LIMITS OF PORTION OF PUBLIC DRAINAGE E
۲	EXISTING MONUMENT		TO BE VACATED.





	STORM DRAIN PIPE TABLE								
PIPE #	INLET/SD/BASIN	Size in.	Slope	Capacity* cfs	ACTUAL FLOW cfs				
SD1	N'	12	1.00%	3.6	32				
SD2	N2. SD2. A2	18	0.80%	9.4	7.8				
SD3	N3. SD2	18	0.80%	9.4	<u>9</u> .1				
SD4	SD3	18	0.80%	9.4	<u>9</u> .1				
SD5	SD5	18	1040%	33.9	<u>9</u> .1				
		Сара	city Based (	on Manning's E	iq w. N=0.01				

hel ‡	In et Type ²	Basin	Actua.	Arrai	ିର୍ବନେମ୍ବ
	iner ipe		Flow (cfs)	Head ft	1:4:1
ŀ-1	· S3_004.74EC	<u>!</u> -	12	::	3-
<b>N-</b> 2	1-83LCC4-745C	13	• 5		-
h-3	1-83LCC4-7455		· · ·		23

# SAWMILL VILLAGE PHASE 2 Proposed Developed Conditions Basin Data Table

This table is based on the DPM Section 22.2. Zone: 3

8asin	Area	Area	Land Treatment Percentages				Q(100yr) Q(100yr) \	V(100yr)	V _{r106ye-8hrr}	V ₁₁₀₀₇ -2410	FIRST FLUSH	
ID	(SQ.FT)	(AC.)	A	В	с	D	(cfslac.)	(CFS)	(inches)	(CF)	(CF)	(CF)
ONSITE	BASINS											
A1	31243	0.72	0%	10 -	68	90%	4.5	3.2	25	5171	6168	797
A2	25757	0.5 <u>9</u>	0%	08	0%	100%	4.7	2.8	2.1	4550	5409	739
A3	17199	0.39	0	5	03	95%	4.6	í.§	2.1	2942	3497	453
A4	-471	0.10	0	54	03	46	3.4	5.3	1.4	522	591	59
Аõ	16846	J.39	02	03	36 😳	143	3.4	1.3	1.j	1787	1858	69
Å6	5021	0.12	0	58	03	95	4.6	<u>5.5</u>	2.1	859	1018	135
TOTAL	100537	2.31		E	-		-	10.0		15831	18481	2252

# GRADING AND DRAINAGE NARRATIVE

Site Location and Background Information

The purpose of this submittal is to present a grading and drainage plan for the proposed Sawmill Village Phase 2 development located at the northwest corner of Bellamah Avenue and 18th Street. The site legal description is Tract 2-D-1, Arbolera De Vida Subdivision. The proposed development will include two buildings and associated parking and plaza areas. Building A1 is a mixed use building with retail and active use spaces on the ground floor and residential apartments on the second and third floors. Building A2 is a proposed two story Charter School.

The Sawmill Unit 2 Master Drainage Plan,"Drainage Report for Arbolera de Vida Unit 2 (aka Sawmill)" by Bohannan Huston Inc., dated October 16, 2003, and amended on February 24, 2005, allows for free discharge from the proposed development to Sawmill Pond 2 (City Hydrology file: H13-D25). The Sawmill Village Drainage Plan by Bohannan Huston, Inc., dated May 13, 2008, incorporated Sawmill Village Phase 1 into the Sawmill Master Drainage Plan (City Hydrology file: H13-D25A). The Sawmill Village Drainage Plan modified Pond 2 to accept runoff from Phase 1 to be in compliance with the guidelines and recommendations set forth in the Master Drainage Plan. This grading and drainage plan is submitted in support of Hydrology approval for site development plan approval.

<u>Methodology</u> Section 22.2 of the City of Albuquerque Development Process Manual was used to analyze the site hydrology. The site is in rainfall zone 2 as defined by figure A-1 of the DPM section 22. The onsite storm drain was sized based on Manning's Equation. The onsite storm drain inlets were sized based on the inlets being in a sump condition.

### Existing Conditions

The site is currently undeveloped land that has been previously disturbed, with an existing slope across the site of less than 1% from southeast to northwest. Sawmill Pond 2 encroaches on the northern portion of the site, which is encumbered by a drainage easement for the pond. Except for flows entering the pond, there are no offsite flows entering the site that will impact the proposed development. The site is slightly higher than Bellamah Avenue to the south, Sawmill Village Phase 2 to the east, the railroad bed to the west and Pond 2 to the north.

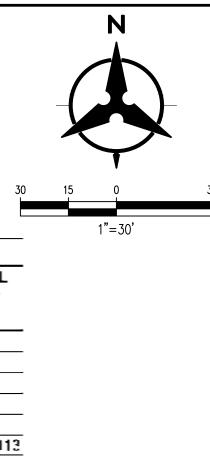
#### Proposed Conditions

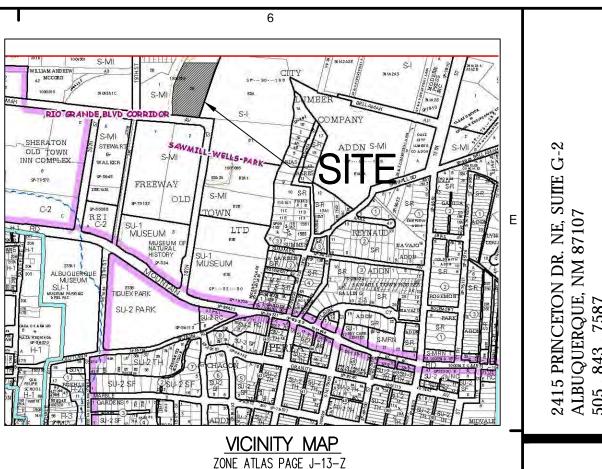
The site is divided into 6 onsite drainage basins based on the proposed grading plan and roof drainage. Basins A1, A3 and A4 drain via the parking lot to a proposed private storm drain system that conveys flows to Pond 2. Basin A2 encompasses the roof for Building 2. The roof drains from Building 2 will connect directly to the storm drain system. Basin A5, which includes the sidewalk on the north side of Building 2 and that portion of Pond 2 that encroaches into the site, drains via surface flow into Pond 2.

Basin A6 encompasses the plaza area on the east side of Buildings A1 and A2, which drains to the existing Sawmill Village Phase 1 parking area to the east of the site. An existing storm drain will collect the flow from Basin A6 and convey it to Pond 2. Basins 8 and 13 of the Sawmill Village Drainage Plan allow for flows from the site to drain east into this existing storm drain, which was constructed with Phase 1.

Pond 2 is sized for a 100yr 24hr volume per the Sawmill Master Drainage Plan. Per the latest drainage certification for Sawmill Village (dated October 04, 2011), the existing volume was determined to be 6.45 acre-ft. The required pond volume for the fully developed Arbolera de Vida subdivision is 5.79 acre-ft (252,167CF), which is lower than the ponding volume provided, 6.45 acre-ft (281,084CF). Pond 2 is a retention pond to elevation 4956.4 at which it can discharge 4 cfs to the existing Bellamah storm drain.

<u>Conclusions</u>





The Pond 2 volume at an elevation 4958.8 is 6.95 acre-ft, which is 20% greater than the required pond volume for the fully developed Arbolera de Vida subdivision. In the event that the pond is full the proposed private storm drain system that discharges to the pond would surge. The lowest grate elevations in the private storm drain system are within the Sawmill Village Phase 2 parking lot. The water surface elevation would rise, inundating the Sawmill Village Phase 2 parking area, eventually spilling to Bellamah Avenue. The elevation at which water would spill into Bellamah Avenue is 4961.0, which is 0.9 feet lower than the adjacent finished floor elevation. This allows for the pond to safely discharge flows without flooding adjacent structures in the event that the 100-year, 24-hour storm event is exceeded.

# <u>First Flush</u>

This project is required to meet the first flush requirements of the City Drainage Ordinance. The first flush requirement is calculated as 0.34 inches (0.44 inches less 0.1 inch initial abstraction) times the the percentage of impervious surface within the development (land treatment D). The first flush requirement for Sawmill Village Phase 2 is approximately 2250 cubic feet. The first flush requirement will be met by existing retention volume in Pond 2, which was created by lowering the pond bottom from the Sawmill Village Phase 1 Grading Plan pond bottom elevation (4950.66). The volume available for the first flush is 21,600 cubic feet, which is greater than what is required for the project.

# <u>Flood plain</u>

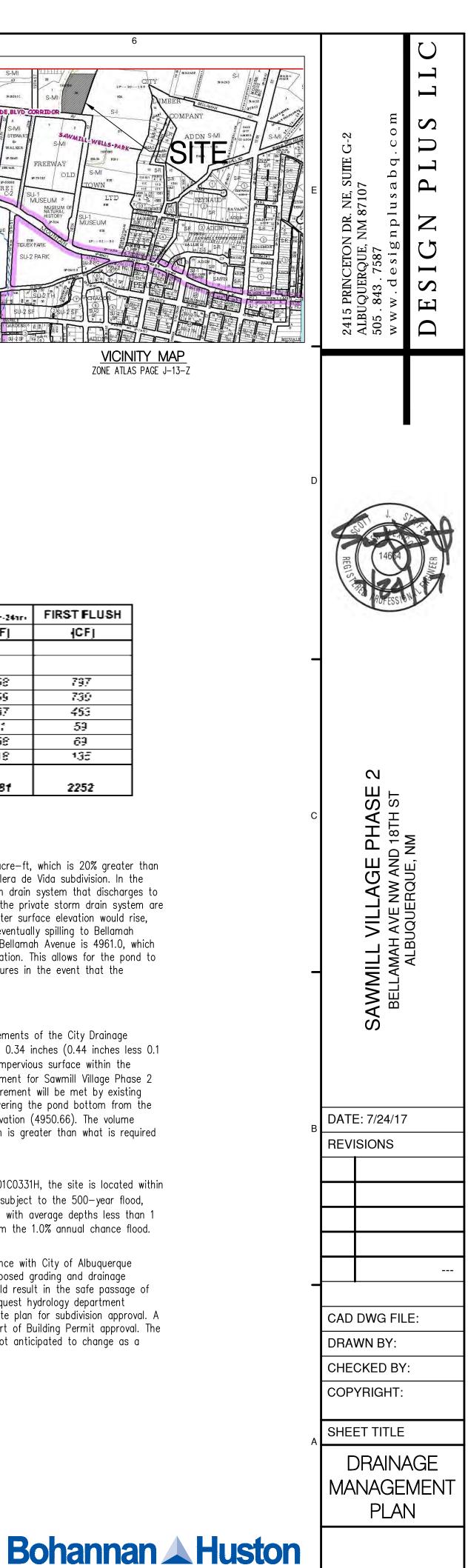
In accordance with FEMA community map panel #35001C0331H, the site is located within a Zone "X" flood plain. This means the site is either subject to the 500-year flood, located within an area of 1.0% chance of annual flood with average depths less than 1 foot, or is located in an area protected by levees from the 1.0% annual chance flood.

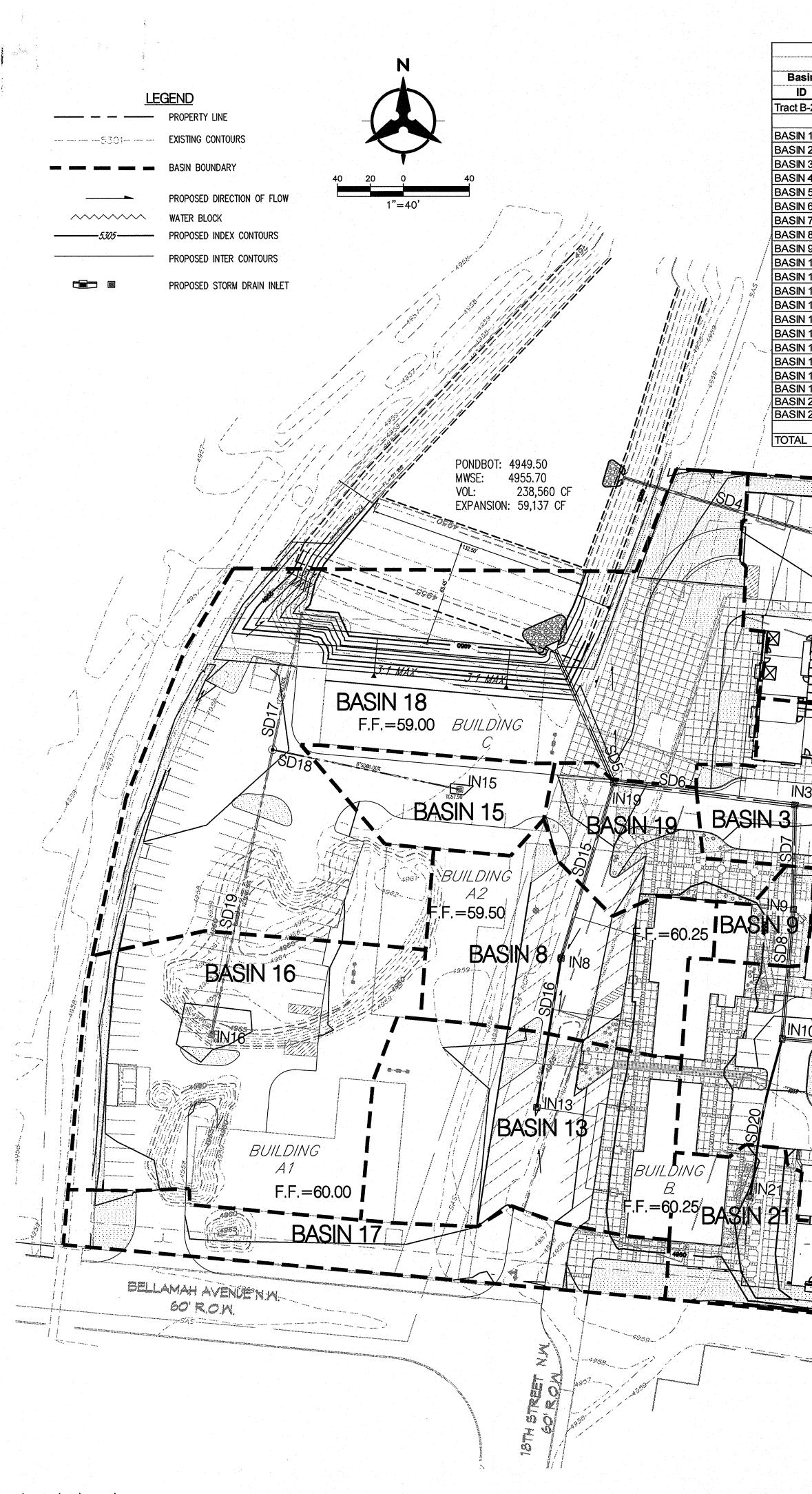
This drainage submittal has been prepared in accordance with City of Albuquerque requirements. This plan clearly demonstrates the proposed grading and drainage concepts. The implementation of these concepts would result in the safe passage of the 100 year storm event. With this submittal we request hydrology department approval of this Grading and Drainage Plan for DRB site plan for subdivision approval. A more detailed Grading Plan will be submitted in support of Building Permit approval. The proposed drainage scheme presented in this plan is not anticipated to change as a result of the more detailed grading plan.

www.bhinc.com

800.877.5332

SHEET 1 OF 1

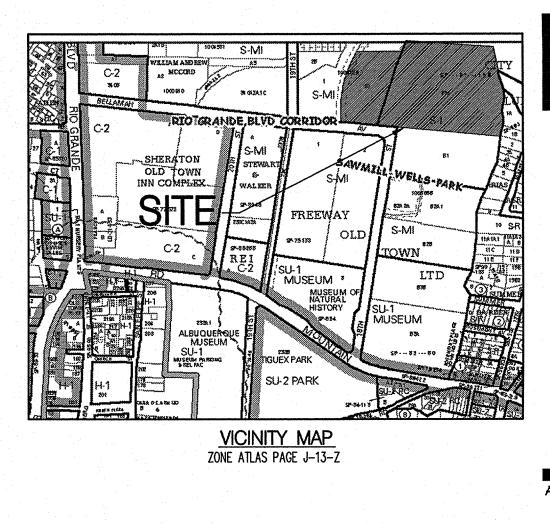




P:\070249\cdp\general\070249DMP01.dwg Thu, 22—May—2008 — 9:49:am, Plotted by: JSMITH

| 1                    | ***************************************                                                                                                                                                                                    | ***************************************                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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FT)         (Ac)         A         B           226055         7.46         0.0%         5.0%         5.0%           32962         0.76         0.0%         10.0%         0.0%           34871         0.80         0.0%         10.0%         0.0%           34871         0.80         0.0%         10.0%         0.0%           34871         0.80         0.0%         10.0%         0.0%           34871         0.80         0.0%         10.0%         0.0%           1411         0.26         0.0%         5.0%         0.0%           20604         0.48         0.0%         10.0%         0.0%           20760         0.66         0.0%         5.0%         0.0%           21398         0.49         0.0%         5.0%         0.0%           22666         0.52         0.0%         5.0%         0.0%           22666         0.52         0.0%         0.0%         0.0%           22666         0.52         0.0%         0.0%         0.0%           247         0.56         0.0%         0.0%         0.0%</td> <td>The table is based on the DPM Section 22, 2002;           Area         Land Treatment Percentages;           (AC)         A         B         C         D           226055         7.46         0.0%         5.0%         5.0%         90.0%;           32962         0.76         0.0%         10.0%;         0.0%         90.0%;           38640         0.20         0.0%;         5.0%;         0.0%;         95.0%;           111         0.0%;         5.0%;         0.0%;         95.0%;         0.0%;         95.0%;           20604         0.40;         10.0%;         0.0%;         95.0%;         0.0%;         95.0%;           20604         0.40;         0.0%;         5.0%;         0.0%;         95.0%;         0.0%;         95.0%;           2076         0.06;         0.0%;         5.0%;         0.0%;         95.0%;         0.0%;         95.0%;           21386         0.0%;         5.0%;         0.0%;         95.0%;         0.0%;         95.0%;           22806         0.22;         0.0%;         5.0%;         0.0%;         95.0%;           22806         0.22;         0.0%;         95.0%;         0.0%;         95.0%;           &lt;</td> <td>Tris table based on the DPM Sector 22, 2000         Q(100)           (SQ. 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FT)         (AC.)         A         B         C         D         (cfc/ac.)           220005         7.46         0.0%         5.0%         5.0%         90.0%         4.45           32692         0.76         0.0%         10.0%         0.0%         90.0%         4.46           34671         0.80         0.0%         10.0%         0.0%         90.0%         4.46           34671         0.80         0.0%         10.0%         0.0%         90.0%         4.48           1415         0.22         0.0%         5.0%         0.0%         90.0%         4.48           2706         0.08         0.0%         10.0%         0.0%         90.0%         4.48           2706         0.08         0.0%         5.0%         0.0%         90.0%         4.48           2708         0.08         0.0%         5.0%         0.0%         90.0%         4.48           2708         0.08         0.0%         5.0%         0.0%         90.0%         4.48           2708         0.08         0.0%         0.0%         90.0%         4.48           22082 <t< td=""><td>Area         Lind Treatment Percentages         Q(100)         Q(10)</td><td>The BUR &amp; Based on the DPM Sector 24.2 Across - 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	ACTUAL
acity	FLOW
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.85	0.48
).50	4.05
0.50	7.42
.02	25.65
0.00	20.92
6.00	14.20
6.00	13.92
6.00	9.36
.43	4.37
.52	1.75
).50	4.79
.56	3.33
.52	2.13
).50	3.93
.56	2.25
.56	1.92
0.50	5.81
.04	3.81
.21	0.68
.56	3.13
.00	3.13





ARCHITECT

# GRADING AND DRAINAGE NARRATIVE

## Site Location and Background Information

The purpose of this submittal is to present a drainage and grading plan for the proposed Sawmill Village development to the North of Bellamah and 18th street. The design site proposes mixed use development. There will be some residential townhomes, and some commercial sites. The site is in rainfall zone 2 as defined by figure A-1 of the DPM section 22. The existing legal description of the site is Tract 2-D, Arbolera De Vida and Lot B-2-A, Duke City Lumber Company Addition. Please see the vicinity map on this sheet for a graphic depiction of the site location. This conceptual grading and drainage plan is submitted in support of site plan approval.

The Sawmill Master Drainage Plan Area, prepared by Bohannan Huston Inc., addresses drainage off the western site and the surrounding area to the west and north (city hydrology file: H13-D25). This submittal integrates the eastern Lot B-2-A into the Sawmill Master Drainage Plan and modifies the pond construction to be in compliance with the guidance and recommendations set forth in that report.

#### Existing Conditions

This entire site (Tracts 2-D & B-2-A) is approximately 10 acres and is an old industrial sawmill. The natural slope of the site is very flat. The slope across the site is less than 1% from the northeast to the southwest. There is an existing pond north of Tract 2-D that is part of the Sawmill Master Drainage Plan. It currently discharges into the storm drain in Bellamah at a maximum flow of 4 C.F.S. The site is approximately level with Bellamah and the surrounding properties.

## Proposed Conditions

 $X_{i}$ 

Under proposed conditions the site will slope slightly to the pond north of Tract 2–D and utilize storm drain systems to convey runoff to the pond w/ functional surface slopes. The site will be mostly impervious treatment D and the rest landscaped treatment B and C. The Sawmill Master Drainage Plan sizes the existing pond as a retention system to be conservative. The pond is a retention pond to elevation 4954 at which it can discharge 4 C.F.S. in a detention condition. The existing pond is sized to accept runoff from the Tract 2–D (the portion of the site west of 18th St.). The pond expansion is sized to accept additional runoff from Lot B-2-A. With this project, we propose to expand the volume of the existing pond by approximately 59,000 CF. This expansion can be accomplished without lowering the pond bottom. Accordingly, the depth of retained water below the invert of the outlet pipe will not be increased with this project. The proposed pond expansion volume exceeds the 100yr, 6hr storm volume generated by tract B-2-A.

## Flood plain

In accordance with FEMA community map panel #35001C0331 E, the site is not located within a flood plain.

# Offsite Flows

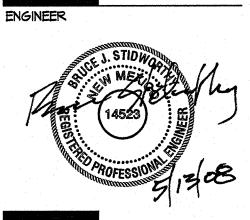
There are no significant upstream offsite flows which will impact this site.

### Conclusions

This drainage submittal has been prepared in accordance with City of Albuquerque requirements. This plan clearly demonstrates the proposed, general surface grading and drainage. The implementation of this design will result in the safe passage of the 100 year storm event. With this submittal we request hydrology department approval of this Grading and Drainage Plan for building permit.

I	JL	ET	TA	BL	Ε

Inlet #	Inlet Type	Top of Grate	Actual Flow	Avail Head ft	Capacity
IN1	2'x2' Nyloplast Road & Highway Grate	57.07	3.37	0.5	6.00
IN2	2'x2' Nyloplast Road & Highway Grate	58.00	3.57	0.5	6.00
IN3	2'x2' Nyloplast Road & Highway Grate	58.38	0.91	0.5	6.00
IN4	2'x2' Nyloplast Road & Highway Grate	58.38	1.46	0.5	6.00
IN5	2'x2' Nyloplast Road & Highway Grate	58.76	0.48	0.5	6.00
IN6	2'x2' Nyloplast Road & Highway Grate	59.15	1.20	0.5	6.00
IN7	2'x2' Nyloplast Road & Highway Grate	59.16	2.13	0.5	6.00
IN8	2'x2' Nyloplast Road & Highway Grate	57.97	1.68	0.5	6.00
IN9	2'x2' Nyloplast Road & Highway Grate	59.39	0.28	0.5	6.00
IN10	2'x2' Nyloplast Road & Highway Grate	58.64	2.64	0.5	6.00
IN11	2'x2' Nyloplast Road & Highway Grate	58.45	3.23	0.5	6.00
IN12	2'x2' Nyloplast Road & Highway Grate	58.81	4.37	0.5	6.00
IN13	2'x2' Nyloplast Road & Highway Grate	57.97	2.25	0.5	6.00
IN14	24" Standard Nyloplast Grate	58.80	1.75	0.5	3.60
IN15	2'x2' Nyloplast Road & Highway Grate	57.90	0.68	0.5	6.00
IN16	2'x2' Nyloplast Road & Highway Grate	57.75	3.13	0.5	6.00
IN19	2'x2' Nyloplast Road & Highway Grate	57.30	0.80	0.5	6.00
IN20	2'x2' Nyloplast Road & Highway Grate	57.15	1.02	0.5	6.00
IN21	18" Pedestrian Nyloplast Grate	57.00	0.84	0.5	2.20
* The ac less thar	tual head available varies with each inlet, 0.5'.	but in no c	ase is the	e availab	le head





REVIEWED BYBJSDATEMay 13, 2008PROJECT NO.06124DRAWING NAME

DRAINAGE MANAGEMENT PLAN

SHEET NO.

REVISIONS

 $\Delta$ 

# CITY OF ALBUQUERQUE

May 14, 2008

Bruce J. Stidworthy, P.E. Bohannan Huston, Inc. 7500 Jefferson St NE – Courtyard I Albuquerque, NM 87109

#### Re: Sawmill Village Grading and Drainage Plan

Engineer's Stamp dated 5-13-08 (H13/D025A)

Dear Mr. Stidworthy,

Based upon the information provided in your submittal received 5-13-08, the above referenced plan is approved for Building Permit conditional on compliance with the SWPPP. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

PO Box 1293

Albuquerque

address: Kathy Verhage, Department of Municipal Development, Storm Drainage Division, P.O. Box 1293, One Civic Plaza, Rm. 301, Albuquerque, NM 87103

This project requires a National Pollutant Discharge Elimination System (NPDES)

NM 87103

www.cabq.gov

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

permit. You are required to send a copy of your SWPPP on a CD to the following

If you have any questions, you can contact me at 924-3695.

Curti & Cherne Curtis A. Cherne, P.E. Senior Engineer, Planning Dept. Development and Building Services

- Stephensen

Principal exercises a stational Pollution Devices a little area of the following of the following and the following a station of the following sta

C: file

Sincerely,

Albuquerque - Making History 1706-2006