### CITY OF ALBUQUERQUE

Planning Department David Campbell, Director



February 27, 2019

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

RE: Lot 39PI - Oxbow Bluff 5004 Sandpiper NW **Grading and Drainage Plan Engineer's Stamp Date: 2/1/19** Hydrology File: G11D014D39

Dear Mr. Soule,

Based on the submittal received on 2/11/19, the Grading and Drainage Plan is approved for PO Box 1293

Building Permit.

Please note: Oxbow Bluff ACC has a contract with Bohannan-Houston to perform the reviews. Please submit the engineer's certificate to BHI for their approval, which they should then submit

to the Planning Department for our files.

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov. NM 87103

www.cabq.gov

Albuquerque

Dana Peterson, P.E.

Sincerely,

Senior Engineer, Planning Dept. **Development Review Services** 



# City of Albuquerque

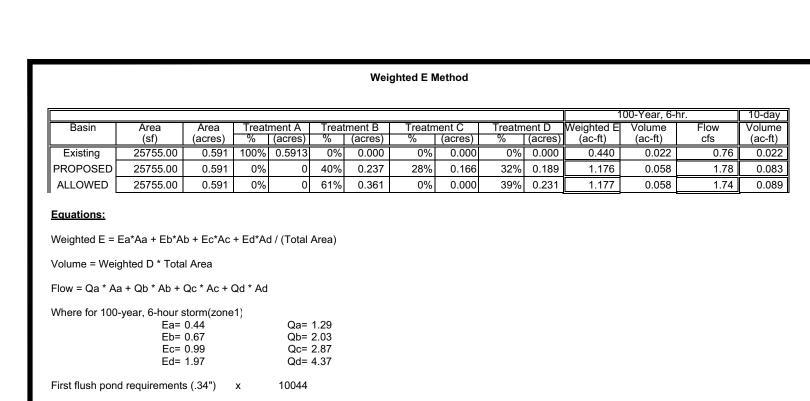
#### Planning Department

#### Development & Building Services Division

#### DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 5004 sandpiper	Building Permit #	#: Hydro	ology File #.
DRB#:	EPC#:	Work	Order#:
Legal Description: LOT 39PI OX	BLOW BLUFF		
		- WALL	
DDANDON CARLE		Contact	<u>.                                    </u>
Address:			
Phone#:			
Other Contact: RIO GRANDE ENG	GINEERING	Contact	. DAVID SOULE
Address: PO BOX 93924 ALB			
Phone#: 505.321.9099	Fax#: 505.872.0	1999 <b>E-mail:</b>	david@riograndeengineering.com
TYPE OF DEVELOPMENT:P			
Check all that Apply:			
DEPARTMENT:  X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION  TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION CONCEPTUAL G & D PLAN X GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERI ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING?  IS THIS A RESUBMITTAL?:  X	ATION  MIT APPLIC  (TCL)  No	IYPE OF APPROVAL/ACCI  X BUILDING PERMIT APP CERTIFICATE OF OCCU  PRELIMINARY PLAT A SITE PLAN FOR SUB'D SITE PLAN FOR BLDG. FINAL PLAT APPROVA  SIA/ RELEASE OF FINA FOUNDATION PERMIT GRADING PERMIT APP SO-19 APPROVAL PAVING PERMIT APPR GRADING/ PAD CERTII WORK ORDER APPROVA CLOMR/LOMR FLOODPLAIN DEVELOR OTHER (SPECIFY)	PROVAL PROVAL PROVAL PERMIT APPROVAL AL ANCIAL GUARANTEE APPROVAL PROVAL PROVAL OVAL FICATION AL PMENT PERMIT
DATE SUBMITTED:	•		
COA STAFF:	ELECTRONIC SUBM	ITTAL RECEIVED:	_

FEE PAID:\_\_\_\_



THIS SITE IS LOCATED WITHN BASIN F OF THE OXBOW BLUFF DRAINAGE MASTER PLAN G11/D14. THE PLAN CALLS FOR FREE DISCHARGE BASED UPON 39% IMPERVIOUS AND 61% TYPE B.

A WATER QUALITY POND WAS ADDED TO CONTAIN THE 234 CFS REQURIED PER THE CITY OF ALBUQUERQUE DRAINAGE ORDINANCCE, THEREFORE THE PEAK RATE WILL BE LESS THAN ALLOWED

THE LAND TREATMENT OF THIS LOT GENERATES .04 CFS GREATER FLOW THAN ALLOWED, YET 243CF LESS TOTAL DISCHARGE IN THE 100 YEAR, 10-DAYDESIGN STORM

THE NO FLOW IS ALLOWED TO ENTER THE SITE AND DUE TO EXISTING ROADWAY AND CURB AND GUTTER. THE POND DISCHARGES OVER TOP OF CURB VIA A LINED SWALE

THE MASTER DRAINAGE PLAN ALLOWS FOR FREE DISCHARGE TO ROADWAY. THE FLOWS ARE THEN CONVEYED TO AN EXISTING INLET AND OUTFALL

THIS SITE CONFORMS TO THE OXBOW BLUFF MASTER PLAN AND THE CITY OF ALBUQUERQUE FIRST FLUSH ORDINANCE

234 cubic feet

-243 cubic feet

Ponding provided

DRAINAGE NARRATIVE

Ponding required to reduce flow to allowed by retaining the difference betweent the 100-year 10-day volume:

EMERGENCY OVERFLOW DETAIL

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 (CITY) ACCEPTANCE OF ANY PROJECT.

Curve Table							
Curve #	Length	Radius	Delta	Chord Direction	Chord Length		
C6	85.56	142.00	34.52	N31° 04' 35"E	84.27		
C7	37.00	247.00	8.58	N9° 31' 25"E	36.97		
C8	34.93	25.00	80.05	S45° 15' 33"W	32.16		
C9	20.87	25.00	47.83	N70° 47' 56"W	20.27		
C10	56.11	45.00	71.44	S82° 36' 16"E	52.55		

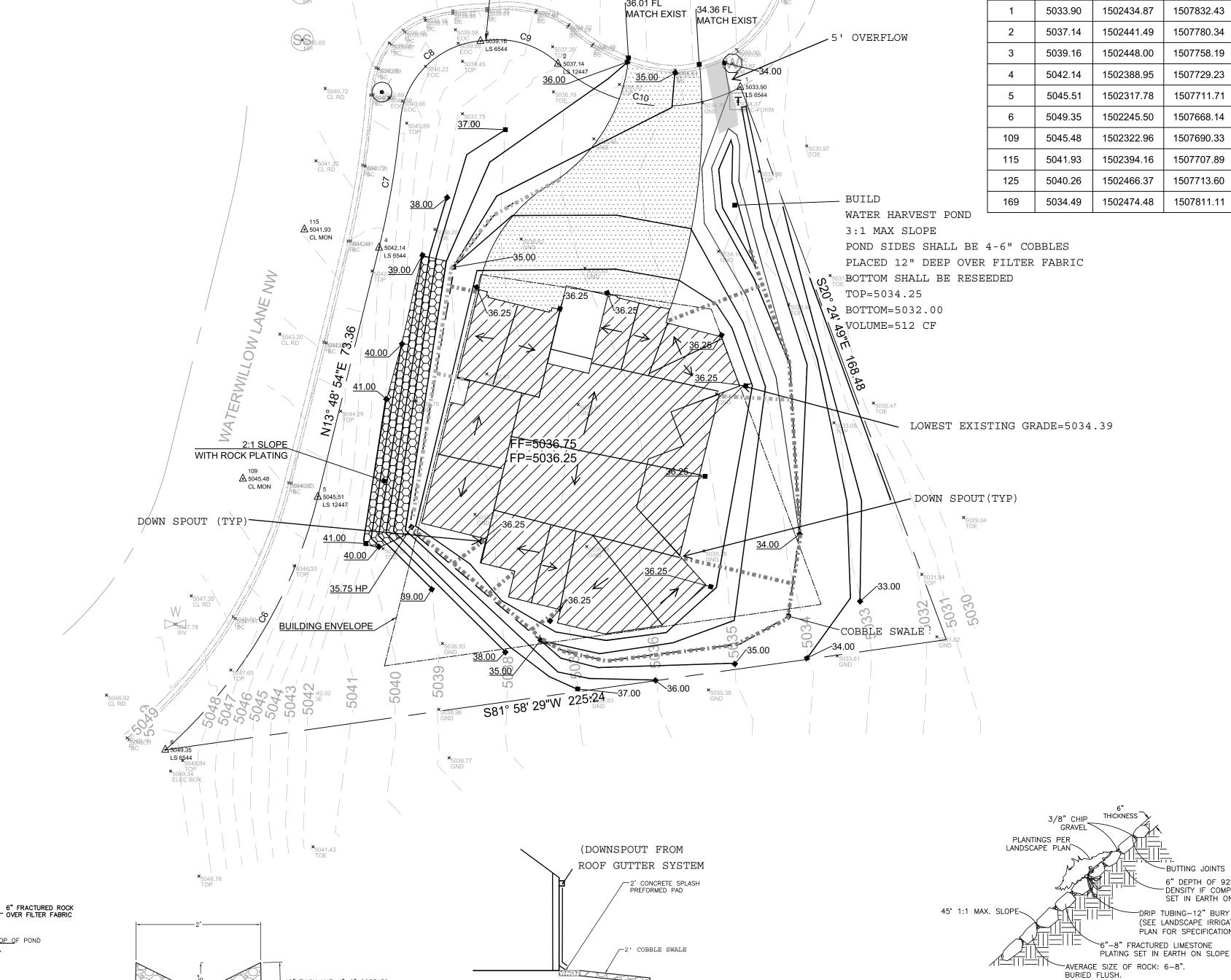
BENCHMARK/PROPERTY CORNER							
Point #	Elevation	Northing	Easting	Description			
1	5033.90	1502434.87	1507832.43	LS 6544			
2	5037.14	1502441.49	1507780.34	LS 12447			
3	5039.16	1502448.00	1507758.19	LS 6544			
4	5042.14	1502388.95	1507729.23	LS 6544			
5	5045.51	1502317.78	1507711.71	LS 12447			
6	5049.35	1502245.50	1507668.14	LS 6544			
109	5045.48	1502322.96	1507690.33	CL MON			
115	5041.93	1502394.16	1507707.89	CL MON			
125	5040.26	1502466.37	1507713.60	CL MON			
169	5034.49	1502474.48	1507811.11	CL MON			

DENSITY IF COMPACTION SET IN EARTH ON SLOPE

(SEE LANDSCAPE IRRIGATION

PLAN FOR SPECIFICATIONS)

NTS ROCK PLATING DETAIL

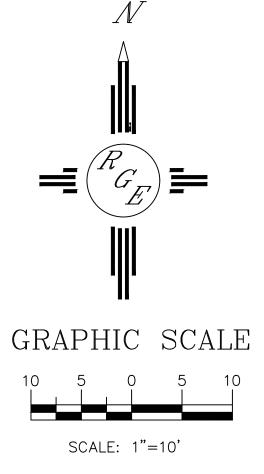


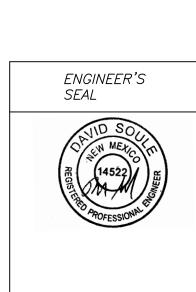
ROOF DRAIN SPLASH PAD DETAIL

THICK MAT-4"-6" COBBLES

COBBLE SWALE DETAIL

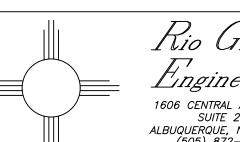
-N85° 17' 09"E 3.06





DAVID SOULE P.E. #14522

5004 SANDPIPER NW LOT 39-PI OXBOW BLUFF SUBDIVISION GRADING AND DRAINAGE PLAN



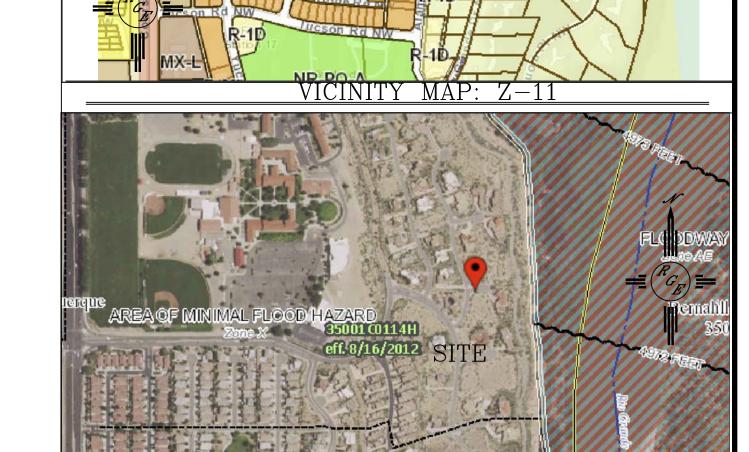
SHEET # Rio Grande 1 OF 1 Lingineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999 JOB #

DRAWN

 $^{BY}$   $_{JDG}$ 

DATE

02-01-2019



R-MH

R-1D

### LEGAL DESCRIPTION:

LOT 39 OXBOW BLUFF SUBDIVISION

### NOTES:

FIRM MAP:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE

2. TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THIS PLAN WAS OBTAINED BY CONSTRUCTION SURVEY TECH DATED JANUARY 2019

3.. ALL DISTURBED AREAS MUST BE RESEED OR LANDSCAPED PRIOR TO FINAL C.C ALL AREAS OUTSIDE THE BUILDING ENVELOPE MUST BE RESEED WITH NATIVE MIX 4. DUE TO EXISTING TOPOGRAPHY AND UNDEVELOPED NATURE OF THE DOWN STEAM AREA, PERIODIC MAINTENANCE OF PONDS AND SWALES ARE REQUIRED.

## LEGEND

---- EXISTING CONTOUR — — 5410— — EXISTING INDEX CONTOUR —5411———— PROPOSED CONTOUR —5410———— PROPOSED INDEX CONTOUR PROPOSED FLOWLINE ELEVATIONS COBBLE SWALE