CITY OF ALBUQUERQUE

Planning Department
David S. Campbell, Director

May 22, 2018

Hugh Floyd, P.E.
RESPEC
5971 Jefferson NE, Suite 101
Albuquerque NM 87109

RE: **Tract B, Lands of Black Development**
        Engineer's Certification for Release of Financial Guarantees
        Engineer's Stamp Dated 3/1/2018
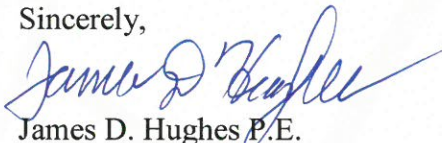   **Certification dated 3/26/2018**

Dear Mr. Floyd

The Engineer's Certification received 5/21/2018 is approved for Release of Financial
Guarantee.

If you have any questions, please contact me at 924-3986 or e-mail jhughes@cabq.gov .

PO Box 1293

Sincerely,

Albuquerque

James D. Hughes P.E.
Principal Engineer, Planning Dept.
Development Review Services

NM 87103

www.cabq.gov

Orig: Drainage File

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: COORS / COORS BYPASS   Building Permit #: _____   City Drainage #: **B14D017**

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

Legal Description: TRACT B, LANDS OF BLACK DEVELOPMENT ONE

City Address: 9820 COORS BLVD. NW, ABQ NM 87114

Engineering Firm: RESPEC   Contact: HUGH FLOYD

Address: 5791 JEFFERSON STREET NE, SUITE 101, ABQ NM 87109

Phone#: 505-253-9810   Fax#: 505-998-9038   E-mail: HUGH.FLOYD@RESPEC.COM

Owner: LARRY H. MILLER   Contact: GREG FLINT

Address: 9350 SOUTH 150 EAST, SUITE 1000, SANDY UTAH 84070

Phone#: 801-563-4176   Fax#: _____   E-mail: GREG.FLINT@LHM.COM

Architect: _____   Contact: _____

Address: _____

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

Other Contact: _____   Contact: _____

Address: _____

Phone#: _____   Fax#: _____   E-mail: _____
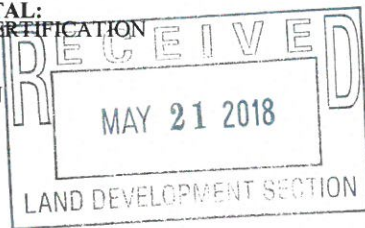
Check all that Apply:

DEPARTMENT:

__X__ HYDROLOGY/ DRAINAGE

_____ TRAFFIC/ TRANSPORTATION

_____ MS4/ EROSION & SEDIMENT

CONTROL TYPE OF SUBMITTAL:

__X__ 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) _____

IS THIS A RESUBMITTAL?: __X__ Yes _____ No

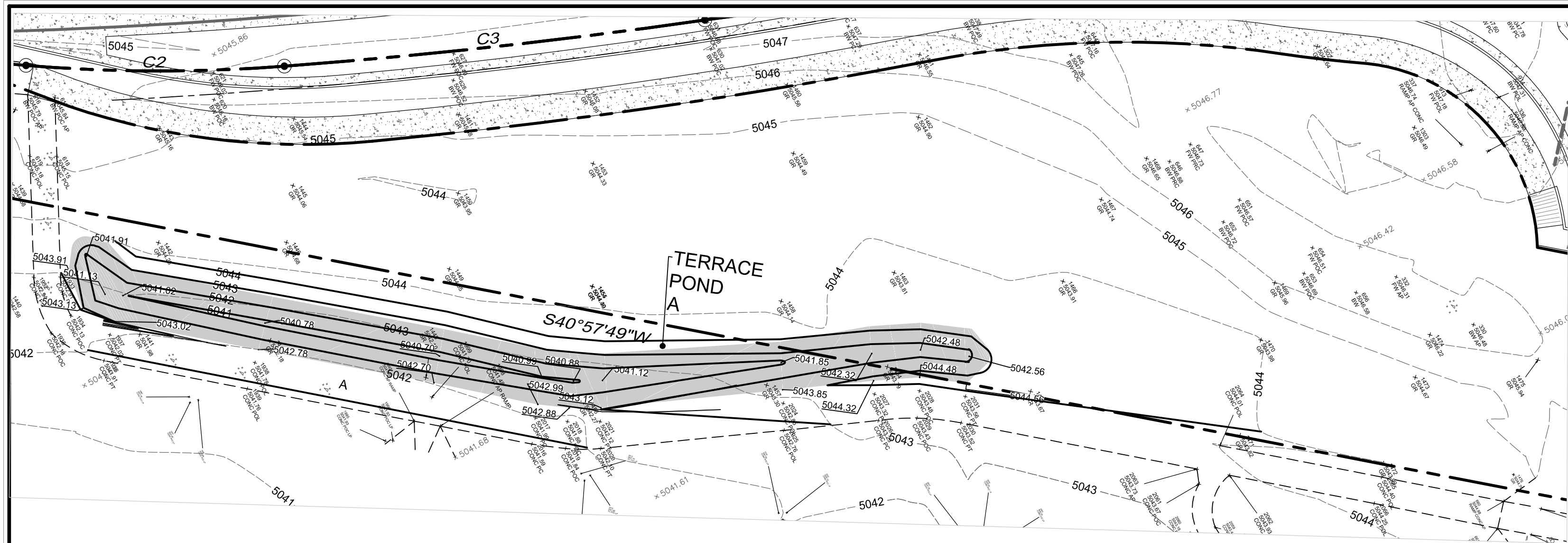**CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:**

_____ BUILDING PERMIT APPROVAL

__X__ CERTIFICATE OF OCCUPANCY

_____ PRELIMINARY PLAT APPROVAL

_____ SITE PLAN FOR SUB'D APPROVAL

_____ SITE PLAN FOR BLDG. PERMIT APPROVAL

_____ FINAL PLAT APPROVAL

__X__ 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) _____

RECEIVED MAY 21 2018 LAND DEVELOPMENT SECTION

DATE SUBMITTED: 5-18-18   By: Hugh Floyd

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ___

RESPEC
WATER & NATURAL RESOURCES
5971 JEFFERSON ST NE
SUITE 101
ALBUQUERQUE, NM 87109
PHONE: 505.366.4187

DESIGNED	HWF
DRAWN	BJM
CHECKED	HWF
DATE	03/26/2018

STAMP

HUGH W. FLOYD
NEW MEXICO
16633
LICENSED PROFESSIONAL ENGINEER

SECTION B-B: TEMPORARY RETENTION TERRACE
NTS

TIE TO EX FG
100-YR STORM WSEL
TIE TO EX 3:1 SLOPE
3:1   3:1   3:1   3:1
0.5'
VARIES   1.5'   3'   1.5'   VARIES

Terrace Pond A

Retention Area (A)	=	12	sq. ft.
Terrace Length (L)	=	205	ft.
Retention Volume (V)	=	2460	cu. Ft.

Terrace Pond B

Avg. Retention Area (A)	=	17.5	sq. ft.
Terrace Length (L)	=	230	ft.
Retention Volume (V)	=	4025	cu. Ft.

TIE TO EX FG
100-YR STORM WSEL
TIE TO EX 3:1 SLOPE
3:1   3:1   3:1   3:1
1'   1'
6'   6'   3'   VARIES

SECTION A-A: TEMPORARY RETENTION TERRACE
NTS

Onsite Basin 1 Existing Conditions:
Area =   0.514   ac

Treatment Type Areas

A_A =   0.00   ac A_B =   0.00   ac A_C =   0.51   ac A_D =   0.00   ac

Excess Precipitation (e) for a 100-year, 6-hour storm event based on Table A-8
E_A =   0.44   in E_B =   0.67   in E_C =   0.99   in E_D =   1.97   in

Weighted Excess Precipitation (E) calculation using equation a-5
$E = (E_A*A_A+E_B*A_B+E_C*A_C+E_D*A_D)/(A_A+A_B+A_C+A_D)$
E =   0.99   in

Precipitation Depth (P) for 100-year, 24-hour storm event based on Table A-2
P(24-hr) =   2.66   in   P for 100-year, 6-hour storm event based on Table A-2
                              P(6-hr) =   2.20   in

Runoff Volume for 100-year, 6-hour calculation using equation a-6
$V = Weighted E*(AA+AB+AC+AD)$
V(6-hr) =   0.042   ac-ft   =   1847.1618   cu ft

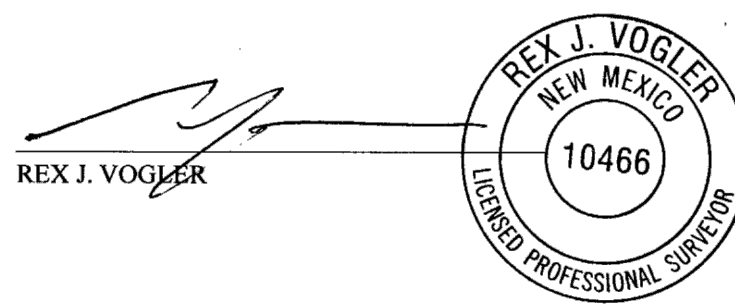Runoff Volume for 100-year, 24-hour calculation using equation a-7
$V = V(6-hr)+AD*(P(24-hr)-P(6-hr))$
V(24-hr) =   0.042   ac-ft   =   1847.1618   cu ft

Onsite Basin 2 Existing Conditions:
Area =   1.079   ac

Treatment Type Percentages

A_A =   0.00   ac A_B =   0.00   ac A_C =   1.079   ac A_D =   0.00   ac

Excess Precipitation (e) for a 100-year, 6-hour storm event based on Table A-8
E_A =   0.44   in E_B =   0.67   in E_C =   0.99   in E_D =   1.97   in

Weighted Excess Precipitation (E) calculation using equation a-5
$E = (E_A*A_A+E_B*A_B+E_C*A_C+E_D*A_D)/(A_A+A_B+A_C+A_D)$
E =   0.99   in

Precipitation Depth (P) for 100-year, 24-hour storm event based on Table A-2
P(24-hr) =   2.66   in   P for 100-year, 6-hour storm event based on Table A-2
                              P(6-hr) =   2.20   in

Runoff Volume for 100-year, 6-hour calculation using equation a-6
$V = Weighted E*(AA+AB+AC+AD)$
V(6-hr) =   0.089   ac-ft   =   3877.6023   cu ft

Runoff Volume for 100-year, 24-hour calculation using equation a-7
$V = V(6-hr)+AD*(P(24-hr)-P(6-hr))$
V(24-hr) =   0.089   ac-ft   =   3877.6023   cu ft

LEGEND

LIMITS OF PONDED AREA IN 100-YR STORM

● SURVEY POINTS

TERRACE POND A

TERRACE POND B

S40°57'49"W

SURVEYOR CERTIFICATION

THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.
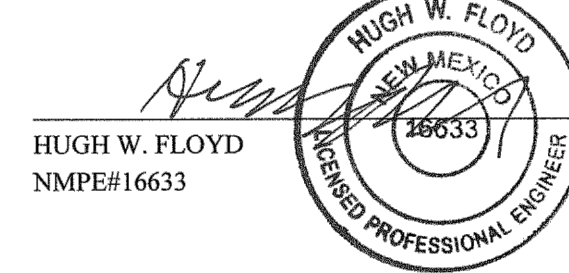
REX J. VOGLER
NEW MEXICO
10466
LICENSED PROFESSIONAL SURVEYOR

REX J. VOGLER   03/28/2018
                     DATE

DRAINAGE CERTIFICATION

I, HUGH W. FLOYD, NMPE 16633, OF THE FIRM RESPEC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN WITH STAMP DATE 03/26/18. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY REX J. VOGLER, NMPS 10466, OF THE FIRM RIO GRANDE SURVEYING CO. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 3/20/18 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.
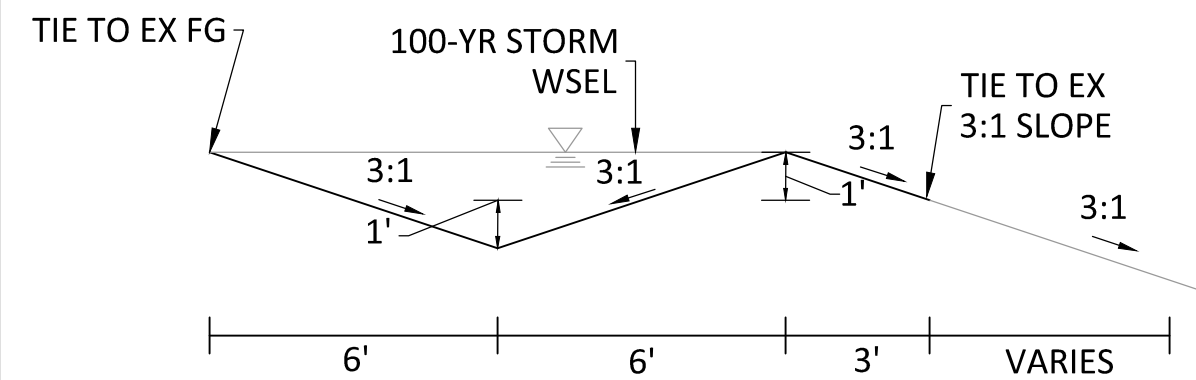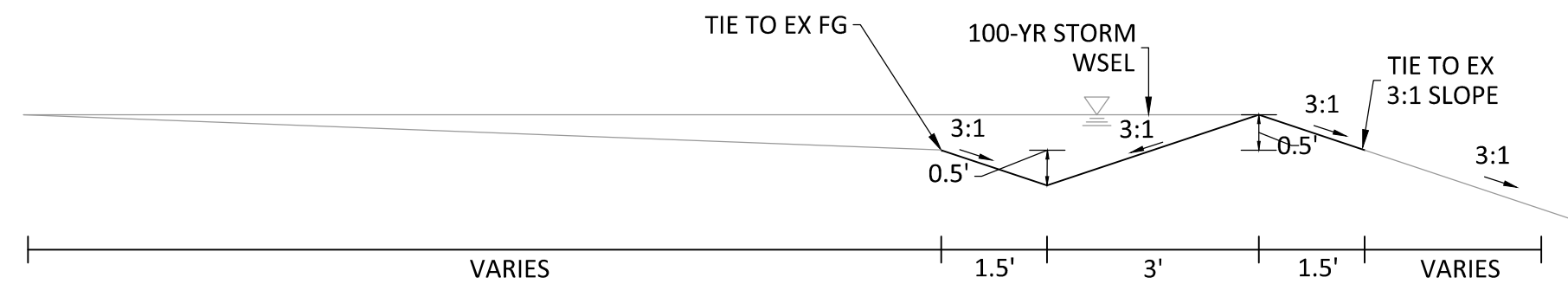
HUGH W. FLOYD
NEW MEXICO
16633
LICENSED PROFESSIONAL ENGINEER

HUGH W. FLOYD   DATE: 3/26/18
NMPE#16633

TRACT B,
LANDS OF BLACK DEVELOPMENT ONE
9820 COORS BLVD NW

INTERIM GRADING AND DRAINAGE PLAN

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

SHEET NUMBER:

1 OF 1