CITY OF ALBUQUERQUE

Planning Department
David S. Campbell, Director

Timothy M. Keller, Mayor

May 22, 2018

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

RE: **Tract B, Lands of Black Development**
Interim Grading and Drainage Plan for Grading Permit and Work Order
Engineer's Stamp Dated 3/1/2018

Dear Mr. Floyd

The Interim G&D Plan received 5/21/2018 is approved for Grading Permit and Work Order.

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

Sincerely,

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

PO Box 1293

Albuquerque

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:**

____ ENGINEER/ ARCHITECT CERTIFICATION

____ CONCEPTUAL G & D PLAN

X 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

RECEIVED
MAY 21 2018
LAND DEVELOPMENT SECTION

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

X GRADING PERMIT APPROVAL

____ SO-19 APPROVAL

____ PAVING PERMIT APPROVAL

____ GRADING/ PAD CERTIFICATION

X WORK ORDER APPROVAL

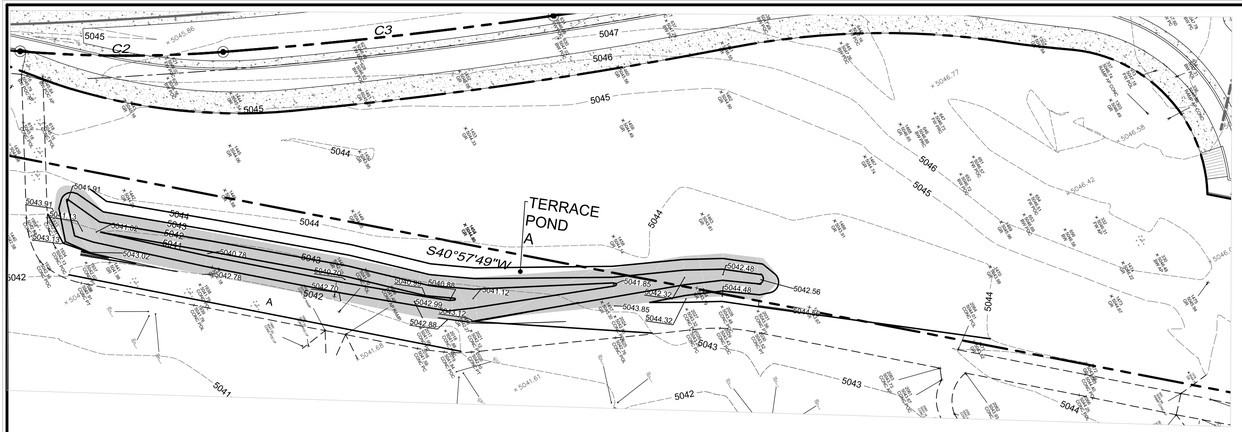
____ CLOMR/LOMR

____ PRE-DESIGN MEETING

____ OTHER (SPECIFY) _____

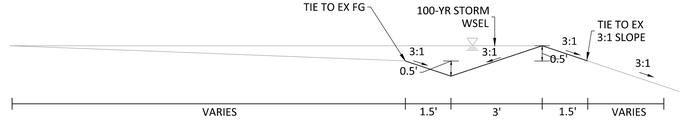
DATE SUBMITTED: 5-18-18 By: Hugh Floyd

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ___



LEGEND

LIMITS OF PONDED AREA IN 100-YR STORM



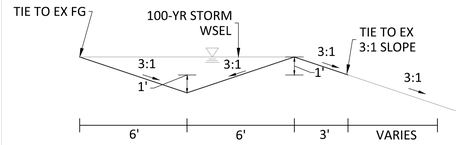
SECTION B-B: TEMPORARY RETENTION TERRACE
NTS

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.



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

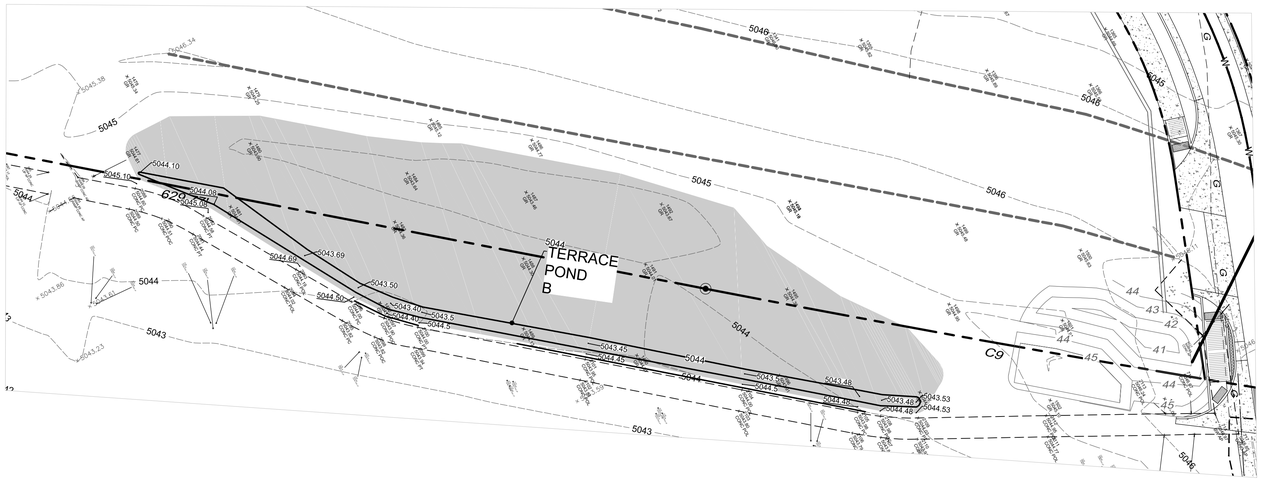
V = Weighted E*(AA+AB+AC+AD)

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



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

REVISION

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

STAMP

HUGH W. FLOYD
NEW MEXICO
16633
LICENSED PROFESSIONAL ENGINEER
6-1-18

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