CITY OF ALBUQUERQUE

Planning Department
David S. Campbell, Director



Timothy M. Keller, Mayor

April 6, 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 4/2/2018 is acceptable, but prior to approval for Release of Financial Guarantee the G&D Plan must be approved for Grading Permit and Work Order and written acceptance from NMDOT must be received for the storm drain constructed in Coors south of this site clearly identifying the party responsible for maintenance as someone other than the City of Albuquerque, perhaps a utility permit from NMDOT to Larry H Miller.

Albuquerque

PO Box 1293

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

NM 87103

Sincerely,

www.cabq.gov

James D. Hughes F.E.

Principal Engineer, Planning Dept. Development Review Services

Orig: Drainage File

Page 1 of 1 Albuquerque - Making History 1706-2006



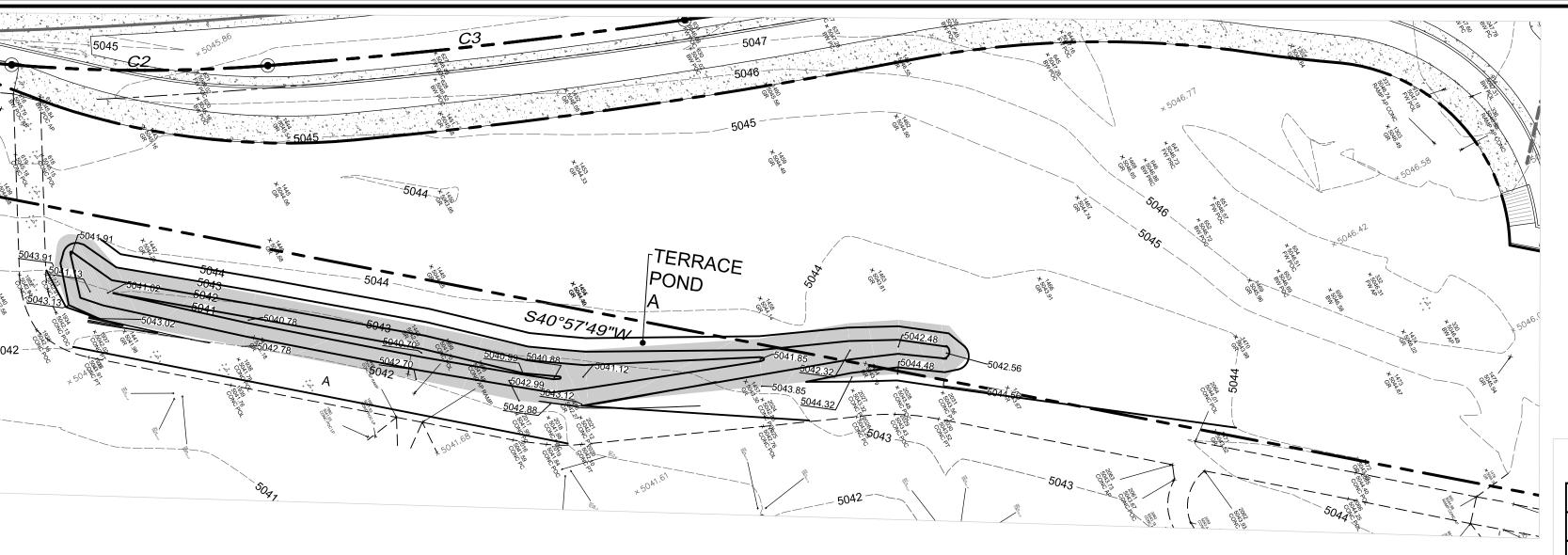
City of Albuquerque

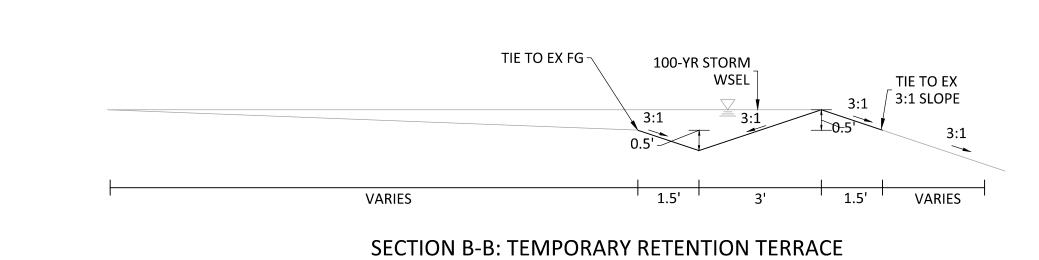
Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: COORS / COORS BYPASS	Building Permit #: City Drainage #: B14D0
DRB#: EPC#:	work Order#.
egal Description: TRACT B, LANDS OF BLACK DEVELOPMENT ON	NE
ity Address: 9820 COORS BLVD. NW, ABQ NM 87114	
Engineering Firm: RESPEC	Contact: HUGH FLOYD
Address: 5791 JEFFERSON STREET NE, SUITE 101, ABQ NM 87109	
hone#: 505-253-9810 Fax#: 505-998-9	9038 E-mail: HUGH.FLOYD@RESPEC.COM
wner: LARRY H. MILLER	Contact: GREG FLINT
ddress: 9350 SOUTH 150 EAST, SUITE 1000, SANDY UTAH 84070	
none#: 801-563-4176 Fax#:	E-mail: GREG.FLINT@LHM.COM
rchitect:	Contact:
none#: Fax#:	E-mail:
ther Contact:	Contact:
ddress:	
	E-mail:
EPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION	CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT: BUILDING PERMIT APPROVAL CERTIFICATE OF OCCUPANCY
DEPARTMENT: X HYDROLOGY/ DRAINAGE	BUILDING PERMIT APPROVAL X CERTIFICATE OF OCCUPANCY PRELIMINARY PLAT APPROVAL SITE PLAN FOR SUB'D APPROVAL
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT	BUILDING PERMIT APPROVAL X CERTIFICATE OF OCCUPANCY PRELIMINARY PLAT APPROVAL
EPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CONTROL TYPE OF SUBMITTAL: X ENGINEER/ ARCHITECT CERTIFICATION CONCEPTUAL G & D PLAN	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
EPARTMENT: 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	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
EPARTMENT: 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 MASTER PLAN	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 SIA/ RELEASE OF FINANCIAL GUARANTEE FOUNDATION PERMIT APPROVAL
EPARTMENT: 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 PEROPT	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 SIA/ RELEASE OF FINANCIAL GUARANTEE FOUNDATION PERMIT APPROVAL GRADING PERMIT APPROVAL SO-19 APPROVAL
EPARTMENT: 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)	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 SIA/ RELEASE OF FINANCIAL GUARANTEE FOUNDATION PERMIT APPROVAL GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL PAVING PERMIT APPROVAL COUNTY OF THE PROVAL SOLUTION OF T
EPARTMENT: 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)	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 SIA/ RELEASE OF FINANCIAL GUARANTEE FOUNDATION PERMIT APPROVAL GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL PAVING PERMIT APPROVAL COUNTY OF THE PROVAL SOLUTION OF T
EPARTMENT: 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)	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 SIA/ RELEASE OF FINANCIAL GUARANTEE FOUNDATION PERMIT APPROVAL GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL PAVING PERMIT APPROVAL COUNTY OF THE PROVAL SOLUTION OF T
EPARTMENT: 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)	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 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
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 CIRCUITATION LAYOUT (TCL)	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 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





TIE TO EX FG 7

Terrace Pond A

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

100-YR STORM TIE TO EX

Terrace Pond B

1011400101141			
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

LEGEND



SURVEY POINTS

Weighted Excess Precipitation (E) calculation using equation a-5 $E = (E_A * A_A + E_B * A_B + E_C * A_C + E_D * A_D) / (A_A + A_B + A_C + A_D)$ 0.99 in Precipitation Depth (P) for 100-year, 24-hour storm event based on Table A-2 P for 100-year, 6-hour storm event based on Table A-2

P(24-hr) = 2.66 in P(6-hr) = 2.20 in

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

Runoff Volume for 100-year, 6-hour calculation using equation a-6

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

V = V(6-hr)+AD*(P(24-hr)-P(6-hr))V(24-hr) = 0.042 ac-ft = 1847.1618 cu ft

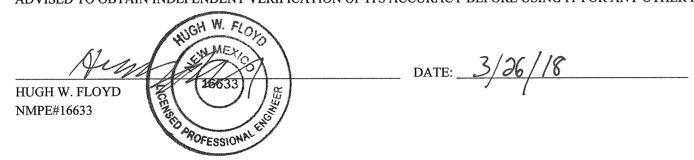
SURVEYOR CERTIFICATION

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.

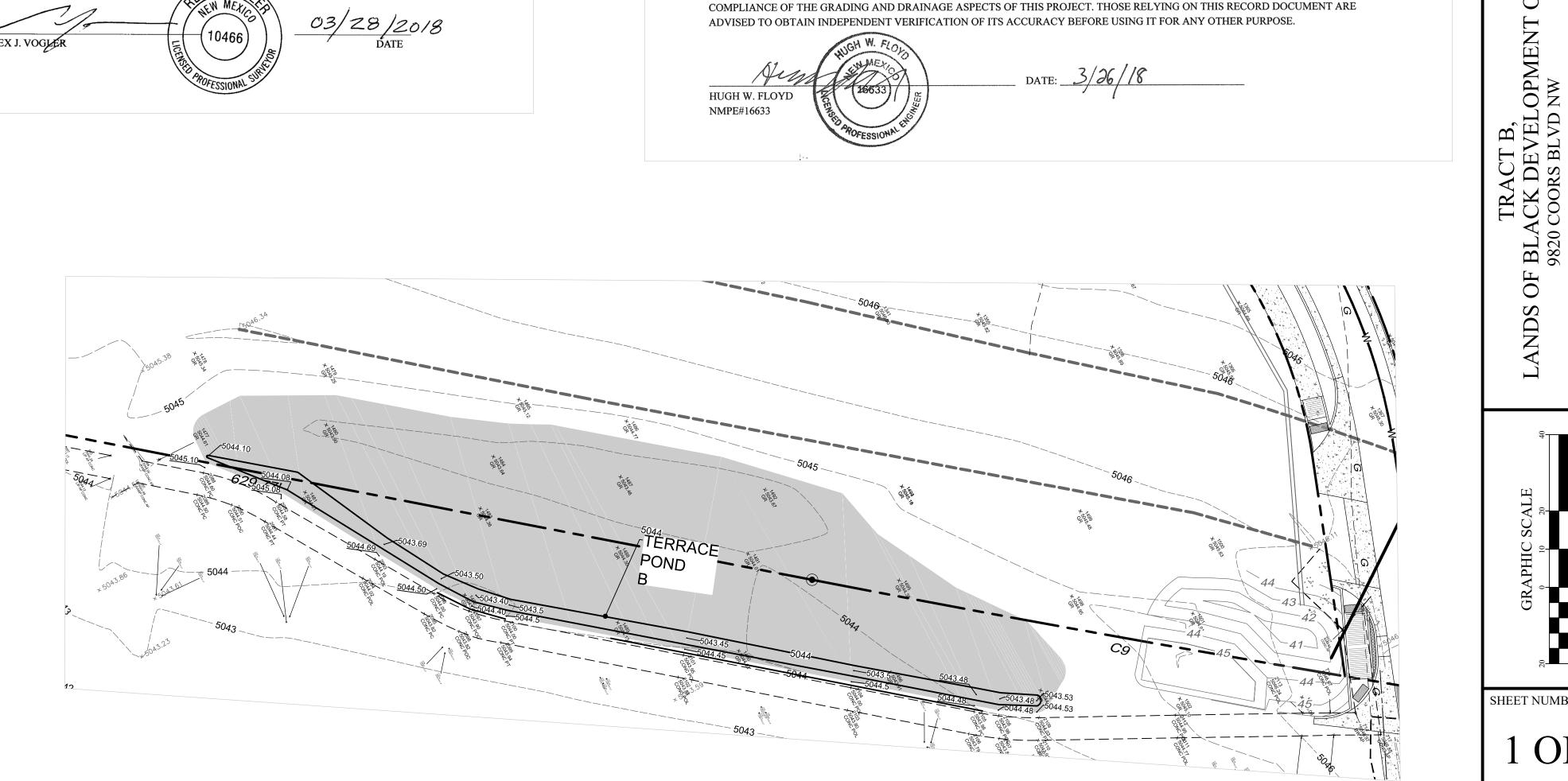


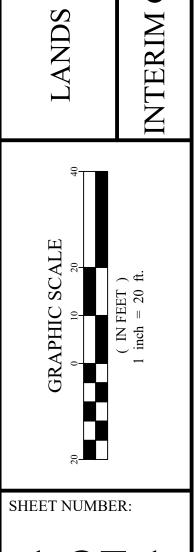
I, HUGH W. FLOYD, NMPE 16633, OF THE FIRM RESPEC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY.

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.



Onsite Basin 2 Existing Conditions: 1.079 ac Treatment Type Percentages 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 for 100-year, 6-hour storm event based on Table A-2 P(24-hr) = 2.66 in 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) 3877.6023 cu ft V(6-hr) = 0.089 ac-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





OF