CITY OF ALBUQUERQUE

Planning Department Brennon Williams, Director



September 6, 2019

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

RE: 6030 Iliff Rd. NW

Grading and Drainage Plan Engineer's Stamp Date: 08/26/19

Hydrology File: J11D024

Dear Mr. Soule:

Based upon the information provided in your submittal received 08/27/19, the Grading and

Drainage Plan is approved for action by the DRB on the Preliminary Plat / Final Plat.

Please note, that the Plat will need a cross lot easement on Tract 261-A-2 for the benefit of Tract

261-A-1 (the existing hotel). Once Tract 261-A-2 is to be developed, an approved Grading and Drainage Plan will be required from Hydrology. Also Tract 261-A-2 will have to be designed

per this approved Grading and Drainage Plan with the limited discharge of 21 CFS for both

NM 87103 Tracts.

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

www.cabq.gov

Albuquerque

Sincerely,

Renée C. Brissette, P.E. CFM Senior Engineer, Hydrology

Renée C. Brissette

Planning Department



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6030 ILIFF DRB#: TRS 261-A & 26 City Address: 6030 ILIFF NW Applicant: SP HOTELS LLC Address: 3304 W HIGHWAY 66 Phone#:	EPC#: 1-B UNIT 8 TOWNOF ATR GALLUP NM 87301-6841	Work Order#:
Other Contact: RIO GRANDE ENGINE Address: PO BOX 93924 ALB NM	EERING 87199	Contact: DAVID SOULE
Phone#: 505.321.9099 TYPE OF DEVELOPMENT: PLAT Check all that Apply:		E-mail: david@riograndeengineering.com
DEPARTMENT: X HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFICATION PAD CERTIFICATION CONCEPTUAL G & D PLAN XX GRADING PLAN DRAINAGE REPORT DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERMIT A ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL) TRAFFIC IMPACT STUDY (TIS) STREET LIGHT LAYOUT OTHER (SPECIFY) PRE-DESIGN MEETING? IS THIS A RESUBMITTAL?: Yes XX No	BUILDING I CERTIFICA X PRELIMINA SITE PLAN SITE PLAN X FINAL PLA SIA/ RELEA PPLIC FOUNDATION GRADING I SO-19 APPE PAVING PE GRADING/I WORK ORDI CLOMR/LO FLOODPLA OTHER (SP.	ASE OF FINANCIAL GUARANTEE ON PERMIT APPROVAL PERMIT APPROVAL ROVAL PROVAL PAD CERTIFICATION ER APPROVAL MR IN DEVELOPMENT PERMIT ECIFY)
DATE SUBMITTED: COA STAFF:		

FEE PAID:____

Weighted E Method

ILLIF HOTEL

Existing Developed Basins

							100-Year, 6-hr.			10-day				
Basin	Area	Area	Treatment	A	Treatment I	В	Treatm	ent C	Treatmen	t D	Weighted E	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
ALLOWED	228690	5.250	0%	0	13.0%	0.683	3.0%	0.1575	84%	4.410	1.772	0.775	21.11	1.363
PROPOSED	228690	5.250	0%	0	23.0%	1.208	42.0%	2.205	35%	1.838	1.259	0.551	16.81	0.796

Equations:

Weighted $E = Ea^*Aa + Eb^*Ab + Ec^*Ac + Ed^*Ad / (Total Area)$

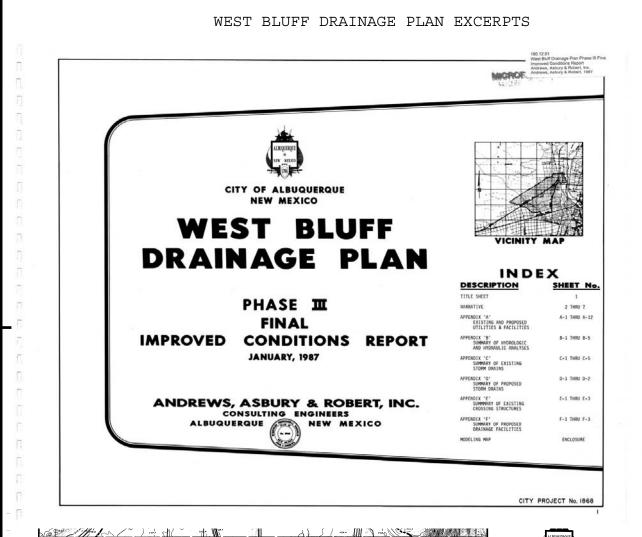
Volume = Weighted D * Total Area

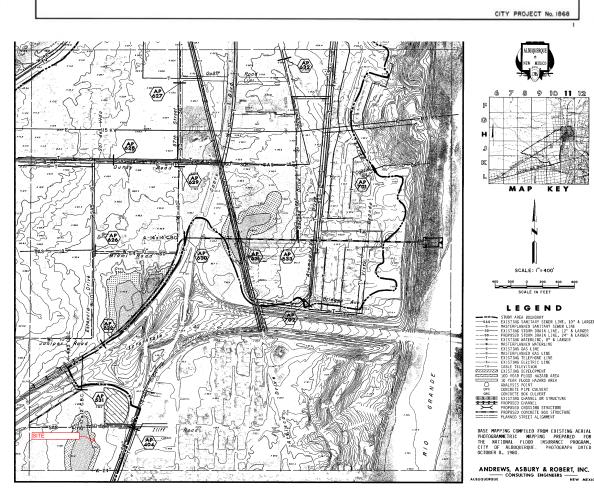
Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm (zone 1)

Qa= 1.29 Ea= 0.44 Eb= 0.67 Qb= 2.03 Ec= 0.99Qc= 2.87 Ed= 1.97 Qd= 4.37 FIRST FLUSH REQUIRED=1.838x43560*.34/12=2269 CF

THE PURPOSE OF THIS PLAN IS TO PROVIDED JUSTIFICATION FOR THE VACATION OF A TEMPORARY DRAINAGE EASEMENT. THE SITE WAS ORIGINALY DEVELOPED UTILIZING AND THE APPROVED GRADING PLAN J10D24. SINCE THE DEVELOPMENT INITIALLY OCCURRED THE CITY HAS CONSTRUCTED THE WEST BLUFF DIVERSION AND THE WEST MESA DIVERSION. THIS SITE IS LOCATED BELOW THE WEST BLUFF DIVERSION AND IS NOT IMPACTED BY UPLAND FLOW. THIS SITE IS LOCATED IN BASIN 404 OF THE WEST 1-40 DN AS SHOWN THIS BASIN WAS MODELLED UTILIZING 0%A,13%B,3%C,84%D LAND TREATEMENTS. ALL THE DOWN STREAM IMPROVEMENTS ARE IN PLACE AND THIS SITE IS NOW ALLOWED TO DISCHARGE PER THE DEVELOPED CONDITIONS IN THE REGIONAL DRAINAGE MASTER PLANS. THE SITE WILL REMOVE THE RESTRICTIONS AT THE INLET AND

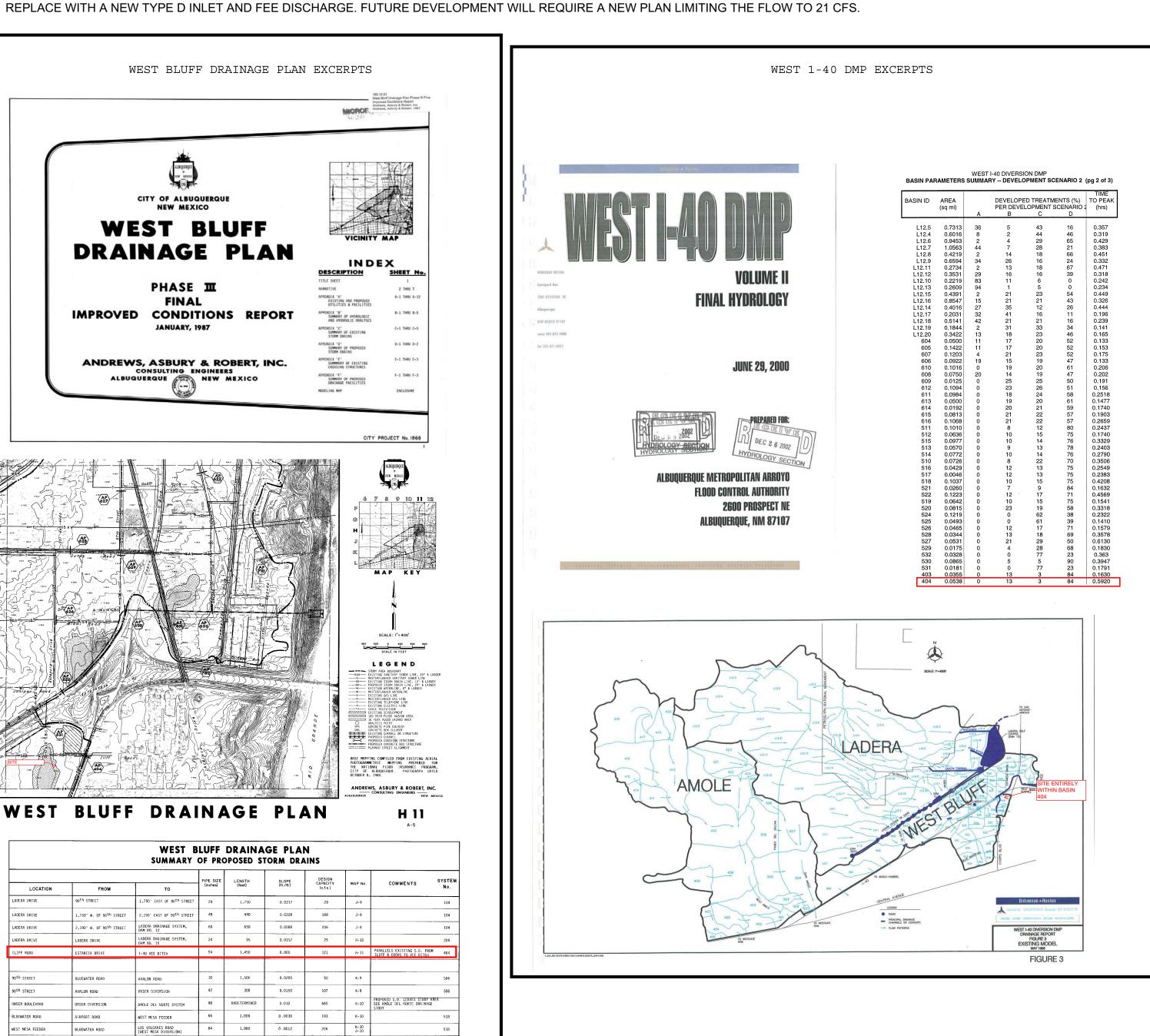




WEST BLUFF DRAINAGE PLAN

WEST BLUFF DRAINAGE PLAN SUMMARY OF PROPOSED STORM DRAINS									
LOCATION	FROM	то	PIPE SIZE (inches)	LENGTH (feet)	SLOPE (ft./ft.)	DESIGN CAPACITY (c.f.s.)	MAP No.	COMMENTS SYSTE	
LADERA DRIVE	90 th STREET	1,750' EAST OF 90 th STREET	24	1,750	0.0217	29	J-9	104	
LADERA DRIVE	1,750' W. OF 90 th STREET	2,190' EAST OF 90 th STREET	48	440	0.0228	188	J-9	104	
LADERA DRIVE	2,190' W. OF 90 th STREET	LADERA DRAINAGE SYSTEM, DAM NO. 12	60	650	0.0086	206	J-9	104	
LADERA DRIVE	LADERA DRIVE	LADERA DRAINAGE SYSTEM, DAM NO. 15	24	95	0.0157	25	H-10	205	
ILIFF ROAD	ESTANCIA DRIVE	I-40 VEE DITCH	54	1,450	0.005	121	H-11	PARALLELS EXISTING S.D. FROM ILIFF & COORS TO VEE DITCH 404	
90 th STREET	BLUEWATER ROAD	AVALON ROAD	30	1,500	0.0200	50	K-9	506	
90 th STREET	AVALON ROAD	UNSER DIVERSION	42	300	0.0150	107	K-9	506	
UNSER BOULEVARD	UNSER DIVERSION	AMOLE DEL NORTE SYSTEM	90	UNDETERMINED	0.010	665	K-10	PROPOSED S.D. LEAVES STUDY AREA SEE AMOLE DEL NORTE DRAINAGE STUDY	
BLUEWATER ROAD	AIRPORT ROAD	WEST MESA FEEDER	66	1,800	0.0038	193	K-10	518	
WEST MESA FEEDER	BLUEWATER ROAD	LOS VOLCANES ROAD (WEST MESA DIVERSION)	84	1,900	0.0012	206	K-10 J-10	518	
LOS VOLCANES	500' W. OF AIRPORT ROAD	AIRPORT ROAD	60	500	0.007	189	J-10	512	
LOS VOLCANES	AIRPORT ROAD	WEST MESA DIVERSION	84	2,350	0.006	461	J-10	512	
HANOVER ROAD	550' W. OF 64 th STREET	WEST MESA DIVERSION	48	550	0.006	96	J-10	530	
HANOVER ROAD	650' E. OF 64 th STREET	WEST MESA DIVERSION	42	650	0.004	55	J-10	530	
MIAMI ROAD	ESTANCIA DRIVE	I-40 INTERCEPTOR	54	950	0.0105	175	H-11	630	
OURAY ROAD	SOL DE VIDA	57 th STREET	24	900	0.004	12	H-11	633	
57 th STREET	QUAIL ROAD	OURAY ROAD	36	1,100	0.004	37	H-11	633	
OURAY ROAD	57 th STREET	COORS BOULEVARD	48	450	0.005	95	Н-11	633	
OURAY ROAD	COORS BOULEVARD	CORONA DRIVE	60	1,040	0.0068	200	H-11	633	
CORONA DRIVE	PHEASANT ROAD	OURAY ROAD	54	1,600	0.0034	99	H-11	633	
CORONA DRIVE	OURAY ROAD	WEST BLUFF OUTFALL	66	1,000	0.012	343	H-11	633	
	ı	i	I i		1		I		

H 11



CAUTION: EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

EROSION CONTROL NOTES:

LOT 3-A-1 SMELL SUMMINISTEN NO.2 CHC2003C, PG.323, 10/30/03)

LOT 3-A-2-B SHELL SUMMYSSION MILE OK.2004C, PG.397, 12/27/04>

LOT 2 SHELL SUBDIVISION NO.2 (DK.C7, PG.102, 03/17/70)

SHELL SUBDIVISION NO.2 (DK.2017C, PG.90, 08/04/17)

ILIFF ROAD NW (60' R-₩)

TRACT 261-A

TÒWN OF ATRISCO UNIT NO

TRACT 261-A-2 140,023 SQ. FT. GRUSS 3.2144 AC. GRUSS

119,811 SQ. FT. NET 2.7505 AC. NET

HANDVER ROAD NW

(60' R-W)

NOTE FOR

IT DATA

- 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 ACCEPTANCE OF ANY PROJECT.

FIRST FLUSH VOLUME =BOTTOM OF POND TO GRATE

GRAPHIC SCALE

SCALE: 1"=60'

=31827 CUBIC FEET

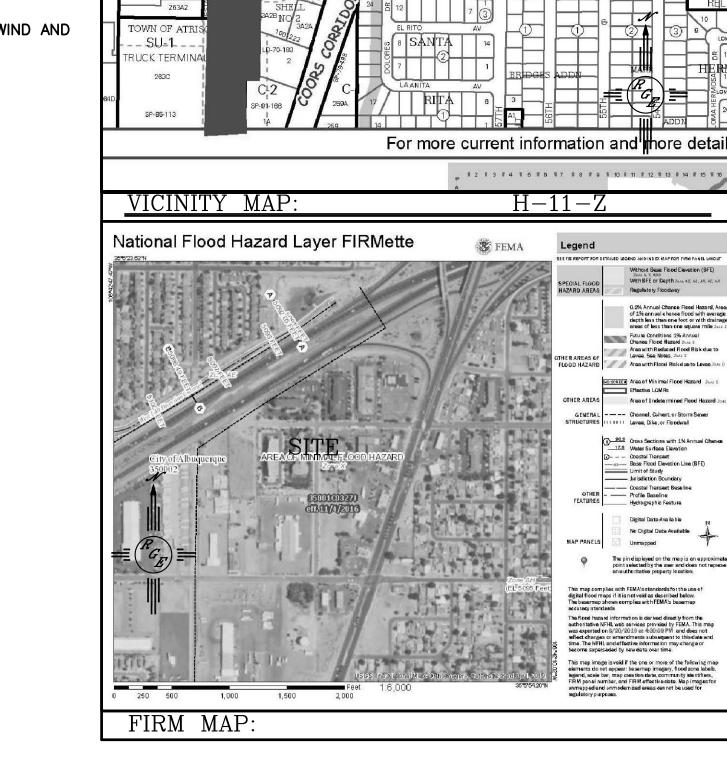
MAINTAIN EXISTING 18" RC

GRATE=5054.00

INV=5050.49

REMOVE EXISTING STANDPIPE

INSTALL NEW TYPE D INLET



LEGAL DESCRIPTION:

ADDN

TRACTS 261-A-1 & 261-A-2, UNIT 8, TOWN OF ATRISCO GRANT

- 1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE
- 2. ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE
- 3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- 4. ALL NEW PAVING SHALL BE 6" PCC OVER 8" SUBGRADE PREPARATION IN CONFORMANCE TO ACI 330R-08. UNLESS OTHERWISE NOTED.
- 5. ANY CURBS OR PAVEMENT NEGATIVELY IMPACTED BY CONSTRUCTION ACTIVITY SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
- 6. ALL SITE WORK SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARDS FOR PUBLIC WORKS CONSTRUCTION EDITION 9

LEGEND

