

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

April 8, 2022

Scott McGee, P.E.  
9700 Sand Verbena Trail NE  
Albuquerque, NM 87122

**RE: Cutler Right-of-Way Dedication  
Grading and Drainage Plan  
Engineer's Stamp Date: 02/03/22  
Hydrology File: H17D036**

Dear Mr. McGee:

Based upon the information provided in your submittal received 02/28/2022, the Grading & Drainage Plans are approved for Work Order and for action by the DRB on Platting.

PO Box 1293

Albuquerque

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Dough Hughes, PE, [jhughes@cabq.gov](mailto:jhughes@cabq.gov), 924-3420) 14 days prior to any earth disturbance.

NM 87103

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto:rbrissette@cabq.gov).

Sincerely,

[www.cabq.gov](http://www.cabq.gov)

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



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2018)

**Project Title:** \_\_\_\_\_ **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_

**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_

**Legal Description:** \_\_\_\_\_

**City Address:** \_\_\_\_\_

**Applicant:** \_\_\_\_\_ **Contact:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Other Contact:** \_\_\_\_\_ **Contact:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**TYPE OF DEVELOPMENT:** \_\_\_\_\_ PLAT (# of lots) \_\_\_\_\_ RESIDENCE \_\_\_\_\_ DRB SITE \_\_\_\_\_ ADMIN SITE

IS THIS A RESUBMITTAL? \_\_\_\_\_ Yes \_\_\_\_\_ No

**DEPARTMENT:** \_\_\_\_\_ TRAFFIC/TRANSPORTATION \_\_\_\_\_ HYDROLOGY/DRAINAGE

Check all that Apply:

### TYPE OF SUBMITTAL:

- \_\_\_\_\_ ENGINEER/ARCHITECT CERTIFICATION
- \_\_\_\_\_ PAD CERTIFICATION
- \_\_\_\_\_ CONCEPTUAL G & D PLAN
- \_\_\_\_\_ GRADING PLAN
- \_\_\_\_\_ DRAINAGE MASTER PLAN
- \_\_\_\_\_ DRAINAGE REPORT
- \_\_\_\_\_ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- \_\_\_\_\_ ELEVATION CERTIFICATE
- \_\_\_\_\_ CLOMR/LOMR
- \_\_\_\_\_ TRAFFIC CIRCULATION LAYOUT (TCL)
- \_\_\_\_\_ TRAFFIC IMPACT STUDY (TIS)
- \_\_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_
- \_\_\_\_\_ PRE-DESIGN MEETING?

### 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
- \_\_\_\_\_ GRADING PERMIT APPROVAL
- \_\_\_\_\_ SO-19 APPROVAL
- \_\_\_\_\_ PAVING PERMIT APPROVAL
- \_\_\_\_\_ GRADING/ PAD CERTIFICATION
- \_\_\_\_\_ WORK ORDER APPROVAL
- \_\_\_\_\_ CLOMR/LOMR
- \_\_\_\_\_ FLOODPLAIN DEVELOPMENT PERMIT
- \_\_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_

**DATE SUBMITTED:** \_\_\_\_\_ **By:** \_\_\_\_\_

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_



## SCOTT M MCGEE PE, LLC

### CIVIL ENGINEER

February 28, 2022

Renee C. Brissette, PE CFM  
Senior Engineer, Hydrology  
Planning Department  
600 2<sup>nd</sup> Street NW, Ste. 201  
Albuquerque, NM 87102

RE: Cutler R/W Dedication (H17/ D036)

Dear Ms. Brissette,

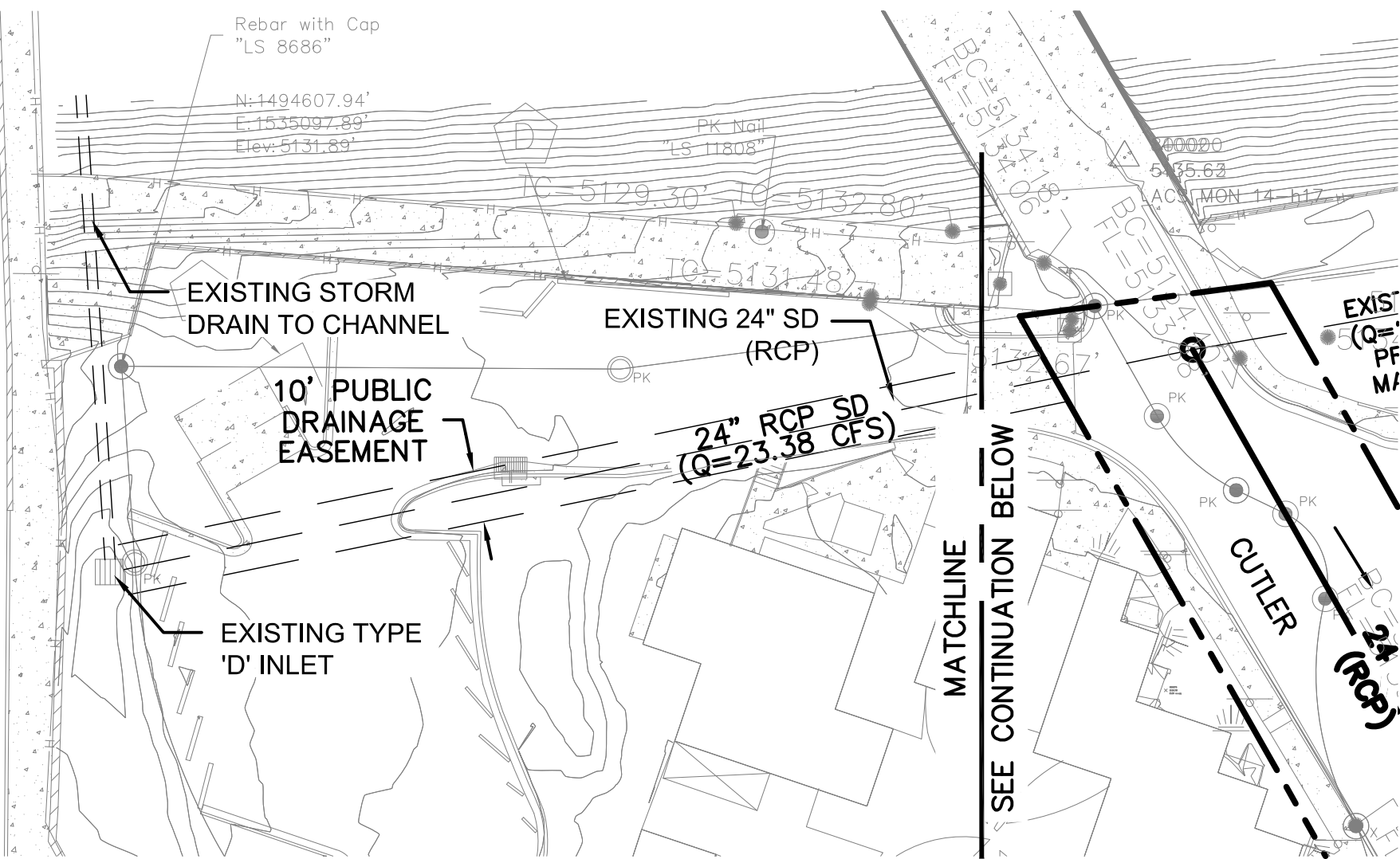
Thank you for your review comments of December 17, which have been addressed as follows:

1. The proposed Cutler Avenue R/W width has been noted and the turnaround shown dotted.
2. The proposed storm drain is RCP and requested additional elevations have been added.
3. The HDR project starts immediately east of this site and I emailed power point slides showing that. The cul-de-sac is located east of the project limits and is outside the scope of this work.
4. The Cutler proposed R/W area is noted on the plan and Offsite areas identified.
5. The existing street X-section will remain unchanged with 30' F-F width, 6" high curbs, and cross-slope to the north varying from 1-2%.
6. The existing street capacity  $Q = (1.486 / .017)(15/2)(0.5)^{2/3}(.093)^{1/2} = 38.4$  CFS.
7. The 24" storm drain capacity  $Q = (1.486 / .015)(3.14)(0.5)^{2/3}(.044)^{1/2} = 13.0$  CFS. When under pressure the capacity easily exceeds the design flow
8. Keyed Note A has been added to describe the removal and new construction.
9. The sidewalk culvert removal has been noted.
10. Private storm drains have been noted as "Privately Maintained".
11. A "10' PUBLIC DRAINAGE EASEMENT" has been noted across the Green Jeans site.

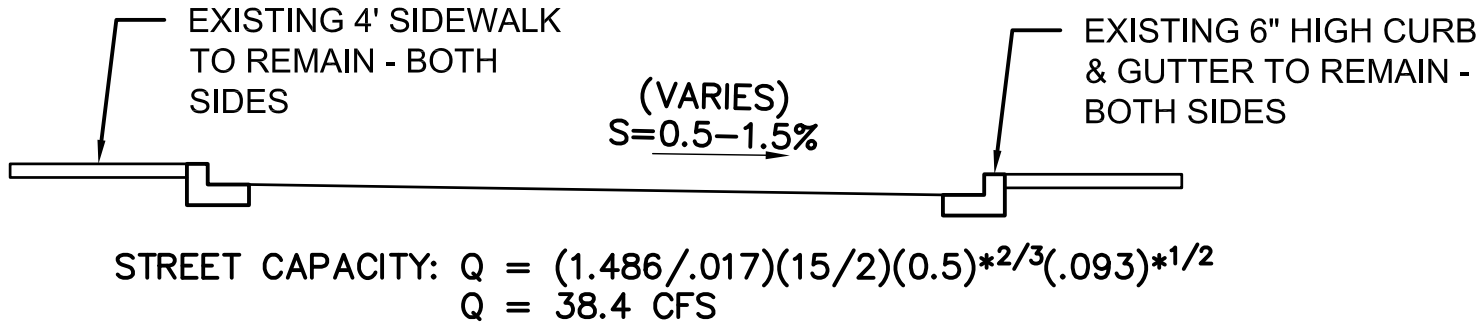
Please contact me with any additional questions. Thank you.

  
Scott M McGee





MASTER DRAINAGE PLAN – NORTHWEST PORTION  
1" = 30'



STREET SECTION  
NTS

KEYED NOTES

- A. REMOVE EXISTING SIDEWALK CULVERT. INSTALL NEW PRIVATE TYPE 'D' INLET (TOP OF GRATE = 32.4 AND INVERT = 29.5) WITH 12" PRIVATE STORM DRAIN (HDPE) PIPE CONNECTION TO BACK OF NEW INLET PER CITY STD DWG NO. 2237.

DRAINAGE ANALYSIS

CUTLER AVENUE RIGHT-OF-WAY

LEGAL DESCRIPTION: TRACTS A-1-A, A-1-B-1, A-1-B-2 ACME ACRES

SITE AREA: (746.5')(46.0)= 34,339 SF (0.79 acres)

SURVEYOR: CSI - Cartesian Surveys Inc. dated March 2021

FLOOD HAZARD: From FEMA Map 35001C0351H (8/16/12), this site is identified as being within Zone 'X' which is determined to be outside the 0.2% annual chance floodplain.

OFFSITE FLOW: Offsite flow enters the proposed R/W from two adjacent sites. The developed site to the SE discharges 5.1 CFS (H17/036A2) and a portion of the existing hotel discharges 6.65 CFS (H17/036) to this R/W. The Green Jeans parcel drains to the SW and away from this street.

EXISTING CONDITIONS: The three abutting tracts are all developed commercial sites with paved and gravel access and parking areas.

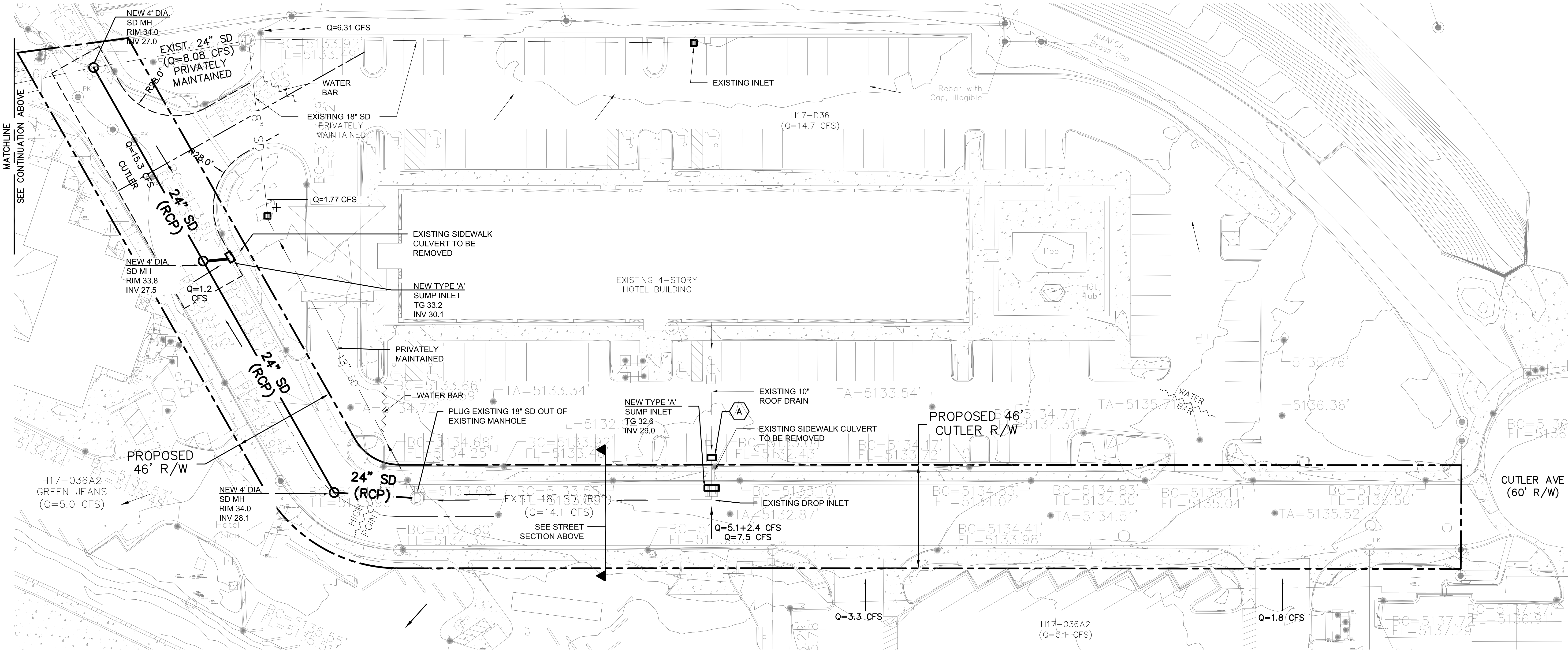
PROPOSED IMPROVEMENTS: The private street areas are proposed to be dedicated to the City for public R/W.

DRAINAGE APPROACH: The site drainage pattern will not change and will follow the present conditions.

Three existing drainage files cover the adjacent developments: H17-D36 Hampton Inn, H17-D036A Law Office, and H17-D036A2 Green Jeans. The Green Jeans site currently drains away from Cutler Avenue. It is included as a portion of the tract will be dedicated for public R/W, but the drainage remains unchanged.

The law office site currently discharges a total Q=5.1 CFS to Cutler Avenue. This runoff is carried to an existing inlet on the north side of the street as shown. The Hotel site is split into 3 drainage basins: D1 is a triangular area at the west end of the site (Q=1.77 CFS); D2 is the north ½ of the building and northern portion of the parking area (Q=6.31 CFS); and D3 is the building roof and south parking area (Q=6.65 CFS). Basin D3 discharges to the existing Cutler inlet through an existing sidewalk culvert and a roof drainpipe. The remainder of the hotel runoff is routed to the west by an existing 24" storm drain. The total flow (Q=23.38 CFS) is less than the capacity of 28.5 CFS.

Zone 2: Q=[(0.1)(3.14)+(0.9)(4.7)](0.79)=3.6 CFS  
Manning capacities (Q=1.486xAxR<sup>2/3</sup>xS<sup>1/2</sup>/n) are then as follows:  
Q18"=8.1 CFS and Q24"=17.5 CFS for s=0.6% slope



MASTER DRAINAGE PLAN CUTLER R/W  
1" = 20'



Scott M McGee PE

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505.263.2905  
scottmmcgee@gmail.com

