

CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



Mayor Timothy M. Keller

June 28, 2018

Ron Hensley, P.E.
THE Group
300 Branding Iron Rd. SE
Rio Rancho, NM 87124

**RE: Holiday Inn Express
10500 Copper Avenue NE
Grading and Drainage Plan
Engineer's Stamp Date: 06/19/18
Hydrology File: K21D009H3**

Dear Mr. Hensley:

PO Box 1293

Based upon the information provided in your submittal received 06/22/2018, the Grading and Drainage Plan is approved for Building Permit.

Albuquerque

Please attach a copy of this approved plan in the construction sets for Building Permit processing. Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

NM 87103

Please provide a Private Facility Drainage Covenant per Chapter 17 of the DPM for first flush pond prior to Permanent Release of Occupancy. Please submit this on the 4th floor of Plaza de Sol. A \$25 fee will be required.

www.cabq.gov

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

Sincerely,

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 3/2018)

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:** _____

Check all that Apply:

IS THIS A RESUBMITTAL?: ____ Yes ____ No

DEPARTMENT:

____ HYDROLOGY/ DRAINAGE
____ TRAFFIC/ TRANSPORTATION

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: _____



The **H**ENSLEY **E**NGINEERING **G**ROUP

June 20, 2018

Hydrology Development
City of Albuquerque
PO Box 1293
Albuquerque, NM 87103

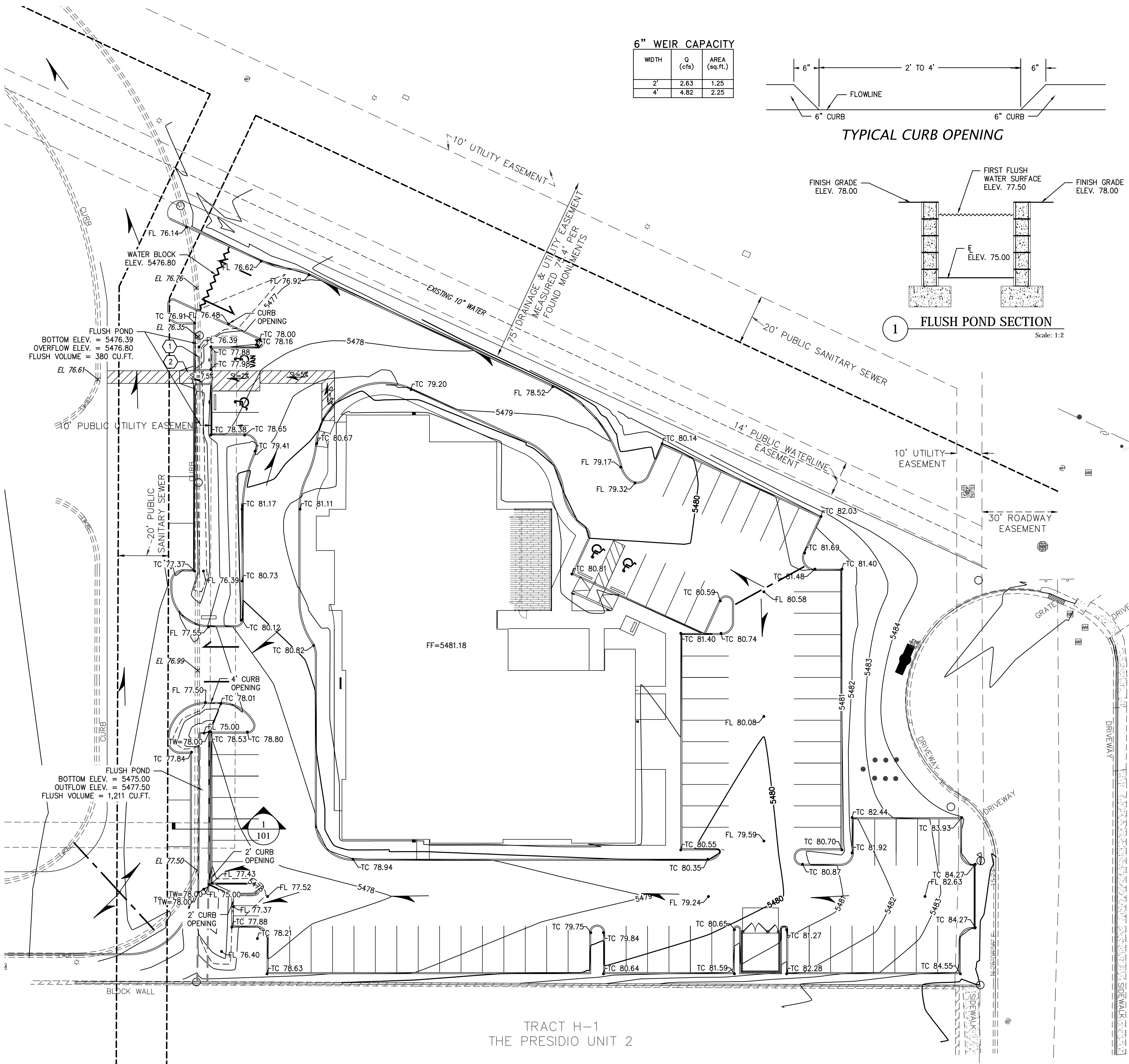
Re: Holiday Inn Express, Copper Pointe Subdivision –Grading and Drainage Plan

We are requesting a review of the attached plan in support of the Building Permit for the site. The Site Plan is for Tracts 2 & 3 and is located at 10500 Copper Ave. between Wyoming Blvd. and Eubank Blvd. We are requesting a review for compliance with City requirements.

Please contact me at 410-1622 or via email if you have any questions or comments.

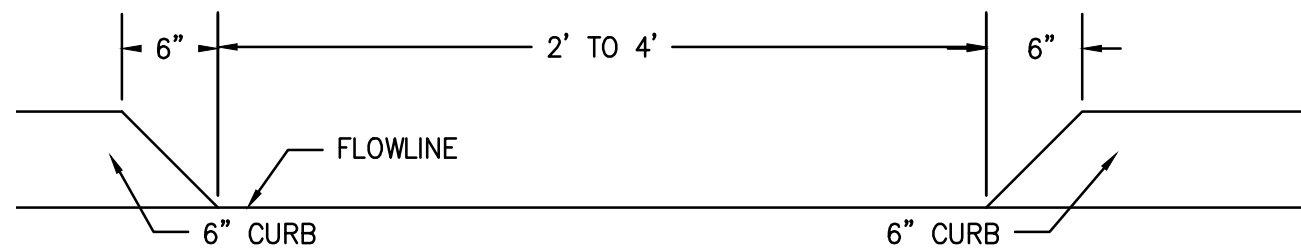
Sincerely,

Ron E. Hensley P.E.
ron@thegroup.cc

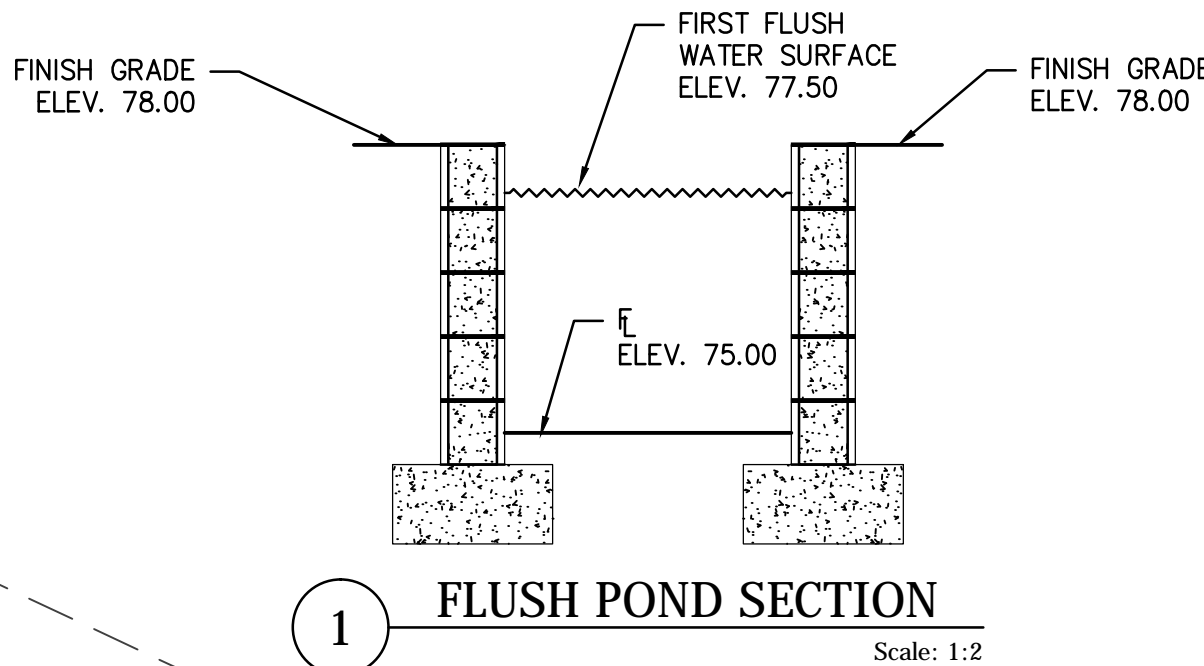


6" WEIR CAPACITY

WIDTH	Q (cfs)	AREA (sq.ft.)
2'	2.63	1.25
4'	4.82	2.25



TYPICAL CURB OPENING



1 FLUSH POND SECTION

NOTES
THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES. MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, ARE INTENDED FOR USE ON THIS PROJECT AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF GND ENGINEERING, LLC IN THE EVENT OF UNAUTHORIZED USE, THE USER ASSUMES ALL RESPONSIBILITY AND LIABILITY WHICH RESULTS.

GENERAL NOTES:

1. ALL WORK IN CITY RIGHT OF WAY WILL REUIRE CITY WORK ORDER SUBMITTAL.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, UPDATE NO 8.
3. THE EROSION PROTECTION SPECIFIED ON THIS PLAN IS THE MINIMUM RECOMMENDED. THE OWNER IS ENCOURAGED TO INCORPORATE EROSION RESISTANT LANDSCAPING ON AREAS WHERE EROSION MAY OCCUR SUCH AS SLOPES AND SWALES. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL FEATURES NECESSARY TO PRESERVE THE DESIGN INTENT OF THE GRADING PLAN.
4. THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN IS THE RESPONSIBILITY OF THE PROPERTY OWNER.
5. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD MUST BE RESEEDD OR LANDSCAPED
6. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.

EROSION CONTROL NOTES

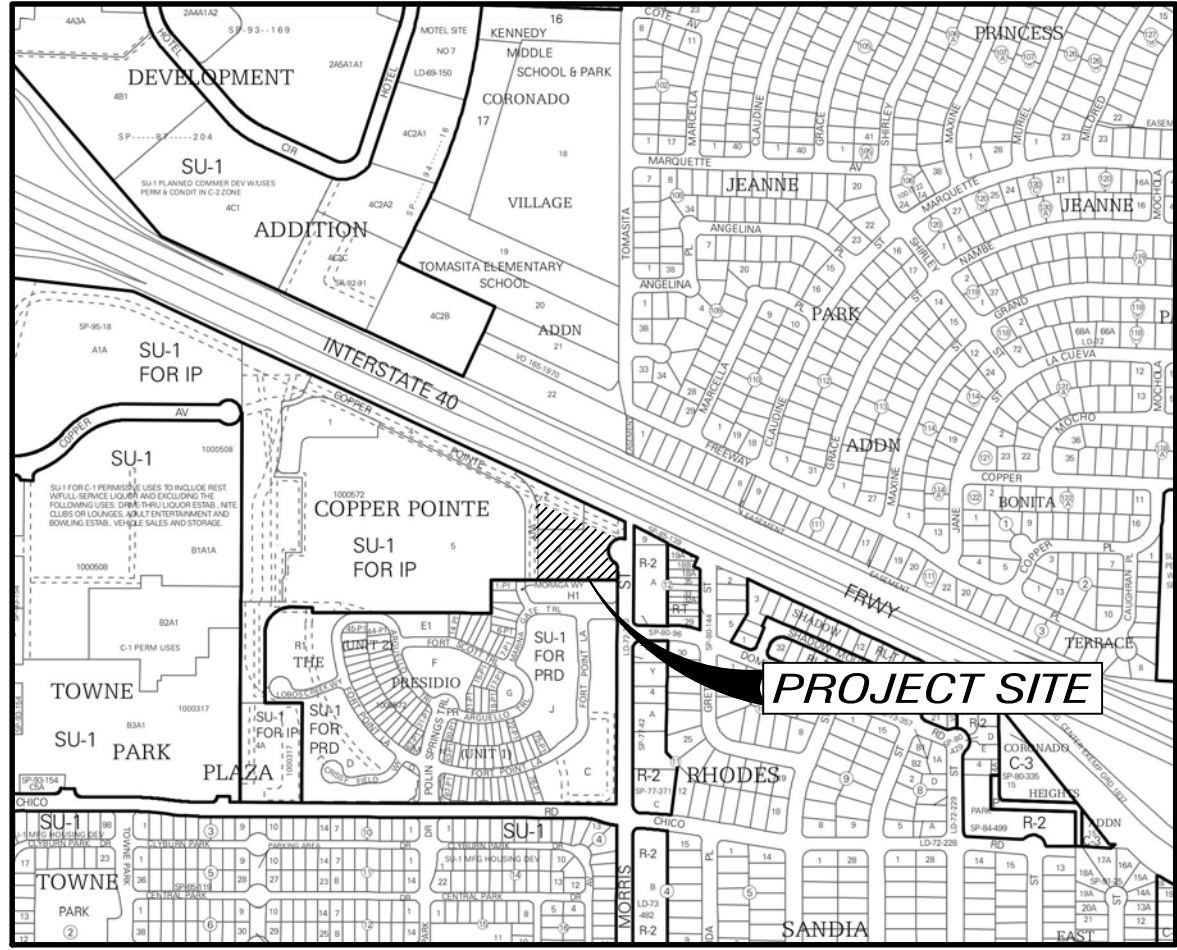
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES 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 (CITY) ACCEPTANCE OF ANY PROJECT.

GRADING CONSTRUCTION NOTES

I.D.#	DESCRIPTION
1	17 L.F. OF 6" DUCTILE IRON PIPE
2	6' ASPHALT ADA RAMP



- LEGEND**
- FLOW ARROW
 - SLOPE ARROW
 - EL=11.28
 - PROPOSED ELEVATION
 - EXISTING ELEVATION
 - GRADE BREAK
 - EXISTING CONTOUR
 - EXISTING CONTOUR
 - PROPOSED EASEMENT
 - PROPOSED GRADE
 - EXISTING WALL
 - PROPOSED WALL



VICINITY MAP K-21-Z

LEGAL DESCRIPTION
TRACT 3-A, COPPER POINTE SUBDIVISION
WITHIN IN PROJECTED SECTION 21, TOWNSHIP 10 NORTH, RANGE 4 EAST
NEW MEXICO PRINCIPAL MERIDIAN CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

DRAINAGE INFORMATION

LOCATION & DESCRIPTION
THE SITE IS 1.60 ACRES LOCATED ON THE SOUTH SIDE OF I-40 AT MORRIS AVE. WITHIN THE COPPER POINTE COMMERCIAL DEVELOPMENT AS SEEN ON THE VICINITY MAP. THE SITE IS CURRENTLY UNDEVELOPED. THE ADJACENT PROPERTY TO THE WEST IS A DEVELOPED COMMERCIAL SITE. THE PROPERTIES TO THE SOUTH AND EAST ARE DEVELOPED AS RESIDENTIAL. THE SITE IS TO BE DEVELOPED AS A HOTEL SITE.

FLOODPLAIN STATUS

THIS PROJECT, AS SHOWN ON FEMA'S FLOOD INSURANCE RATE MAP 35001C0141 G, DATED APRIL 2, 2002 IS NOT WITHIN A DESIGNATED 100-YEAR FLOODPLAIN.

METHODOLOGY

THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING AHYMO SOFTWARE.

PRECIPITATION

THE 100-YR 24-HR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THIS SITE IS WITHIN ZONE 3 AS IDENTIFIED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION 22.2.

DRAINAGE & REPORTS

THE SITE IS WITHIN THE COPPER POINTE GRADING AND DRAINAGE PLAN AREA. THE PREVIOUSLY APPROVED DRAINAGE PLAN, SUPPLEMENTAL CALCULATIONS FOR COPPER POINTE DATED MAY 2007, WAS APPROVED FOR ALL DISCHARGE TO BE DIRECTED TO THE PRIVATE ROADWAY TO THE WEST AT 7.37 CFS (SEE TABLE). THERE ARE NO OFFSITE FLOWS THAT IMPACT THE SITE.

DEVELOPED CONDITION

THE RUNOFF FROM SITE WILL BE ROUTED THROUGH THE FLUSH PONDS ALONG SOUTH AND WEST PROPERTY LINES THEN DISCHARGED INTO THE PRIVATE DRIVE. THE PRIVATE DRIVE WILL CONVEY FLOW ALONG THE CURB TO INLETS LOCATED WEST OF THE SITE AND DISCHARGING TO THE I-40 CHANNEL. THIS DEVELOPMENT WILL HAVE NO ADDITIONAL IMPACT ON DOWNSTREAM FACILITIES.

FIRST FLUSH

THERE ARE FLUSH PONDS ALONG THE PERIMETER OF THE SITE TO ACCOMMODATE THE FOLLOWING FIRST FLUSH REQUIREMENTS:
IMPERVIOUS AREA = 56,432F²
REQUIRED FLUSH VOLUME = 56,432 F² * 0.34/12 FT. = 1,588 CU.FT.
FLUSH VOLUME PROVIDED = 1,211 CU.FT + 380 CU.FT. = 1,591 CU.FT.

HYDROLOGIC DATA - APPROVED

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ¹⁰⁰ (cfs)	V ¹⁰⁰⁻²⁴ (acft)
		A	B	C	D			
A	1.70	0	7	8	85	4.66	7.37	0.342

HYDROLOGIC DATA - PROPOSED

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ¹⁰⁰ (cfs)	V ¹⁰⁰⁻²⁴ (acft)
		A	B	C	D			
A-1	1.60	0	13	6	81	4.55	7.20	0.331

Afra Construction & Design

2501 Yale Blvd SE Suite 102
Albuquerque, New Mexico 87106
Tel 505.242.1745
Fax 505.242.1737

HOLIDAY INN EXPRESS
10500 COPPER AVENUE
ALBUQUERQUE, NEW MEXICO 87123

REV	DATE	DESCRIPTION	APVD

C-101
6/19/2018

THE group
THE HENSLEY ENGINEERING GROUP
300 BRANDING IRON RD. SE RIO RANCHO, NEW MEXICO 87124
Phone:(505) 410-1622