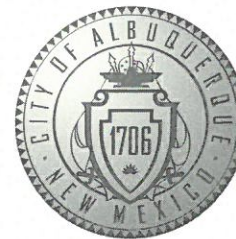


# CITY OF ALBUQUERQUE

Hydrology Section Planning Department  
David S. Campbell, Director



Timothy M. Keller, Mayor

March 2, 2018

Philip Clark  
Clark Consulting Engineers  
19 Ryan Road  
Edgewood, NM 87015

**RE: Cosme Retail – 6205 Central Ave. NW  
Request for Shell Completion BP 2016-29070  
Hydrology Final Inspection – Approved  
Engineer's Stamp Date: 3/15/2017 (K11D077)  
Certification Date 2/20/2018**

Dear Mr. Clark:

Based on the application received 2/20/2018, the site is acceptable for permanent Release of Shell Completion by Hydrology.

PO Box 1293

If you have any questions feel free to call me at 924-3986 or e-mail [jhughes@cabq.gov](mailto:jhughes@cabq.gov).

Albuquerque

Sincerely,

NM 87103

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

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

C: email Serna, Yvette; Fox, Debi; Tena, Victoria; Sandoval, Darlene M., Bob Feeney,  
Nicole Friedt

Eas YAC'n: 7/12/17<sup>20</sup> // bk 2017c, p. 81



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 1/2016)

**Project Title:** Cosme Retail (Central Ave) **Building Permit #:** 2016-29070 **Hydrology File #:** K-11/D077  
**DRB#:** **EPC#:** **Work Order#:**  
**Legal Description:** Lot C-15A, Unit 2, Town of Atrisco Grant ; 10/19/2000, 2000C, p. 277  
**City Address:** 6205 Central Ave NW

**Applicant:** CLARK CONSULTING ENGINEERS **Contact:** Philip Clark  
**Address:** 19 Ryan Road Edgewood, NM 87015  
**Phone#:** 281.2444 **Fax#:** **E-mail:** CCEalbq@aol.com

**Other Contact:** **Contact:**  
**Address:**  
**Phone#:** **Fax#:** **E-mail:**

Check all that Apply:

### DEPARTMENT:

- ☒ HYDROLOGY/ DRAINAGE  
☒ TRAFFIC/ TRANSPORTATION  
☐ MS4/ EROSION & SEDIMENT CONTROL

### TYPE OF SUBMITTAL:

- ☒ AS-BUILT CERTIFICATION

- ☐ CONCEPTUAL G & D PLAN  
☒ GRADING PLAN  
☐ DRAINAGE MASTER PLAN  
☐ DRAINAGE REPORT  
☐ CLOMR/LOMR

- ☒ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ TRAFFIC IMPACT STUDY (TIS)  
☐ NEIGHBORHOOD IMPACT ASSESMENT (NIA)

- ☐ EROSION & SEDIMENT CONTROL PLAN (ESC)  
☐ OTHER (SPECIFY) \_\_\_\_\_

### TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ BUILDING PERMIT APPROVAL  
☒ CERTIFICATE OF OCCUPANCY  
☐ GRADING/ESC PERMIT APPROVAL  
☐ 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  
☐ SO-19 APPROVAL  
☐ PAVING PERMIT APPROVAL  
☐ GRADING/ PAD CERTIFICATION  
☐ WORK ORDER APPROVAL  
☐ CLOMR/LOMR

### PRE-DESIGN MEETING?

☐ OTHER (SPECIFY) \_\_\_\_\_

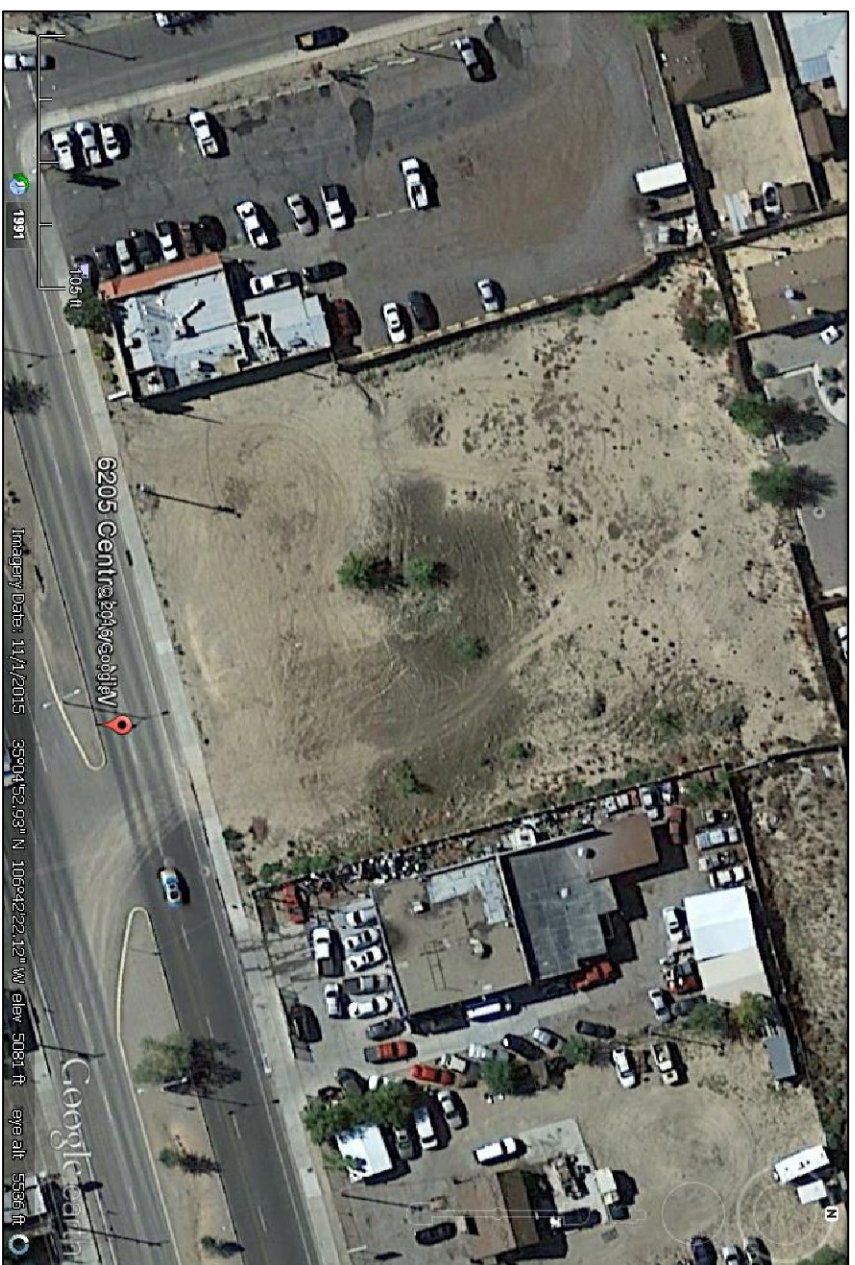
IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

DATE SUBMITTED: JAN 25 2018 2/15/18 By: PWC

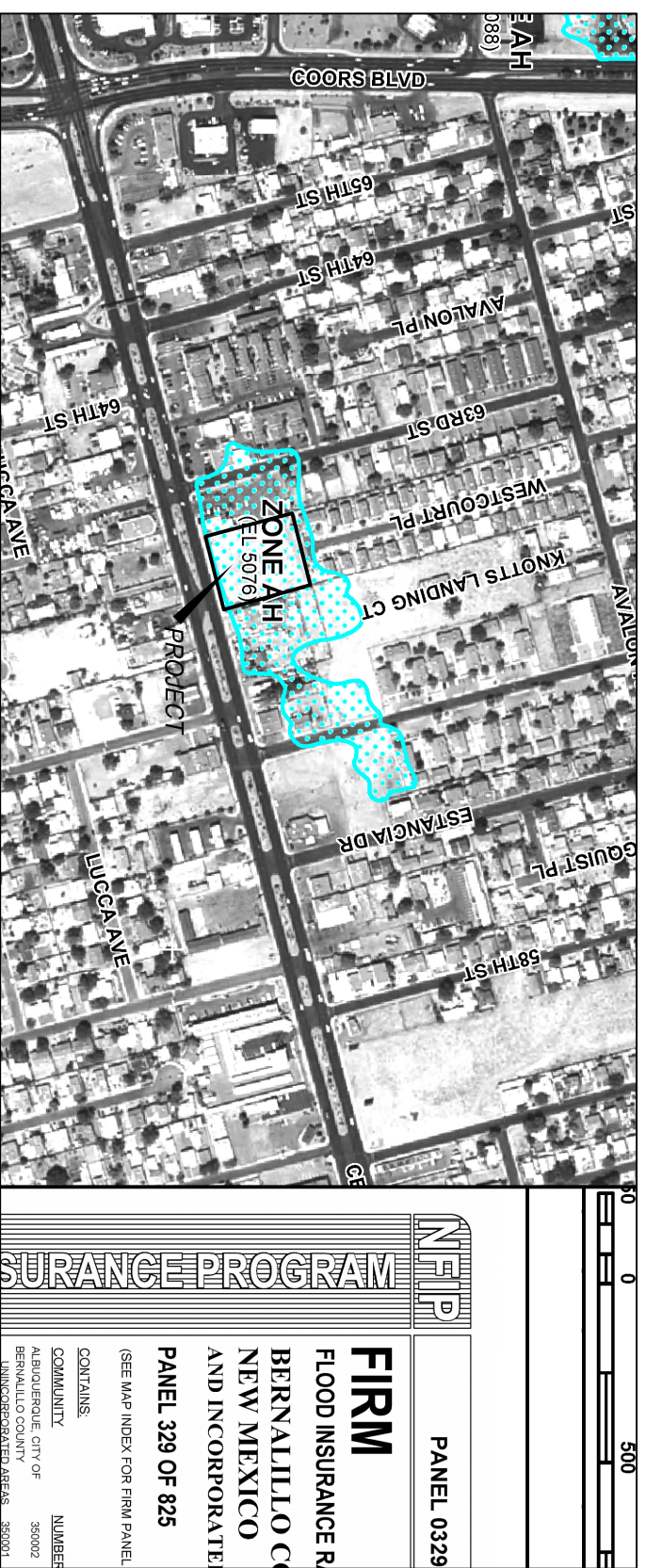
COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE RECEIVED: \_\_\_\_\_





ORTHO-PHOTO, DATED 11-1-2015



SITE DOES LIE IN SPHA PANEL # 329 H

THE COMMERCIAL RETAIL PROJECT IS LOCATED IN THE WEST CENTRAL AREA OF ALBUQUERQUE, APPROXIMATELY 3 MILES WEST OF THE DOWNTOWN CORE OF ALBUQUERQUE, NM. THE GRADING & DRAINAGE SCHEME HEREON IS IN COMPLIANCE WITH THE BEN-A-LILLO COUNTY FLOOD HAZARD ORDINANCE, NO. 89-46, AND THE CITY STORM DRAINAGE ORDINANCE. THE PLAN IS REQUIRED IN ORDER TO FACILITATE THE OWNER'S REQUEST FOR BUILDING PERMIT. THE PLAN SHOWS:

1. EXISTING CONDITIONS, AND SPOT ELEVATIONS AND EXISTING DRAINAGE PATTERNS AND EXISTING IMPROVEMENTS, INCLUDING PROPOSED IMPROVEMENTS: 12.400 SF OFFICE-RETAIL BLDG, ON-SITE PARKING, NEW GRADE ELEVATIONS, FLOW, AND LANDSCAPING.
3. CONTINUITY BETWEEN EXISTING AND PROPOSED ELEVATIONS, FLOWS, AND DRAINAGE PATTERNS, AND THE EFFECTS OF FLOWS WHICH CONTRIBUTE TO THE DEVELOPED FLOWS GENERATED BY THE IMPROVEMENTS.

THE PLAN IS TO ESTABLISH CRITERIA FOR CONTROLLING DRAIN RUNOFF AND EROSION, AND ESSENTIALLY ALLOWING HISTORIC FLOWS TO CONTINUE TO BE COMMERICAL USE CENTRAL AVE. ON THE SOUTH IS CURRENTLY PAVED DEVELOPED WITH 6' SIDE WALKS AND CURB & GUTTER. THE SITE CURRENTLY DOES NOT DRAIN OR DISCHARGE RUNOFF. HISTORICAL SITE RUNOFF OUTFALL LOCATIONS WILL REMAIN UNCHANGED SINCE CENTRAL AVE. IS IMPROVED NO GRADING IS PROPOSED WITHIN THE PROJECT AREA. THERE ARE NO EXISTING OR PROPOSED DRAINAGE STRUCTURES. ADDITIONALLY, RUNOFF IS ROUTED TO LANDSCAPING AND WATER HARVESTING IS RECOMMENDED. THE SITE IS NOT IMPACTED ADVERSELY BY ANY OFF-SITE DRAINAGE FLOWS.

# CALCULATIONS

### DESIGN CRITERIA

DISCHARGE RATE:  $Q = Q_{PEAK} \times AREA$ , "Peak Discharge Rates For Small Watersheds"  
 HYDROLOGIC WEIHSONS PER SECTION 22.2. HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL (DPW)  
 REVISED JANUARY 1993 FOR CITY OF ALBUQUERQUE ADOPTED BY THE COUNTY OF BERNALILLO  
 VOLUME =  $EW_{WEIGHTED} \times AREA$   
 TIME OF CONCENTRATION,  $T_C$  = 10 Minutes  
 DISCHARGE:  $Q = 1.48 \times AREA \times T_C^{-0.765}$   
 TIME = 2.20 inches, Zone 1

**EXISTING CONDITIONS (PREVIOUSLY DEVELOPED)**

TOTAL AREA = 1.2 ACRES, WHERE EXCESS PRECIP. 'C' = 0.99 in. [0.44]  
PEAK DISCHARGE, Q100 = 3.5 CFS [1.8], WHERE UNIT PEAK DISCHARGE 'A' = 2.9 CFS/AC. [1.5]  
THEREFORE: VOLUME 100 = 4312 CF [1916]

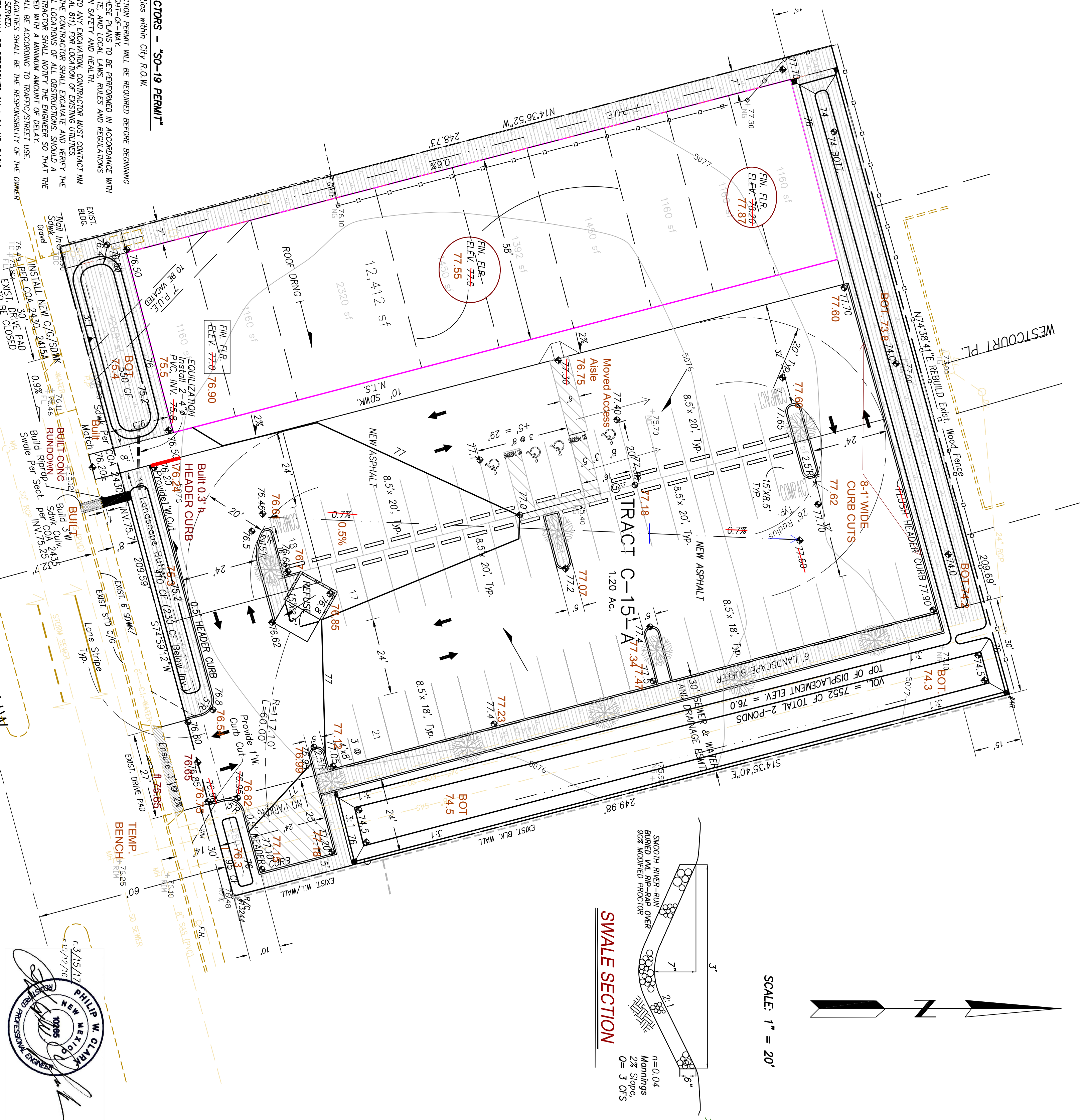
### DEVELOPED CONDITIONS

AREA	LAND TREATMENT	0.5
DETERMINE LAND TREATMENTS, PEAK DISCHARGE AND VOLUMETRIC DISCHARGE FOR STUDY AREA		

LANDUSE / LANDSCAPING / GRAVEL & COMPACTED SOIL ROOF - PAVEMENT	0.99X A <sub>c</sub> (XX%) 0.20 A <sub>c</sub> (-17%) 0.0 A <sub>c</sub> (0%) -1.0 A <sub>c</sub> (83%) 1.2 A <sub>c</sub>	A B C D	0.49 (0.08) 0.67 (0.22) 0.99 (0.44) 1.97 (1.24)
			4.40 (2.90)

weight	
Q100 = 4.81 CFS	VOLUME 100 = 7623 CF
Q10 = 3.0 CFS	VOLUME 10 = 4660 CF

RECOMMEND : ROUTE DEVELOPED RUNOFF THROUGH EXISTING./UPGRADED SOFT LANDSCAPING INCLUDING DEPRESSED LANDSCAPING STRIP ALONG PARKING AS SHOWN



SCALE: 1" = 20'

VICINITY MAP  
ZONE K-11

## NOTES

1. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECS. FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION W/ 9 UPDATES.
- ALL DRAINAGE IMPROVEMENTS WITHIN THE CITY ROW SHALL BE BUILT, INSPECTED, AND ACCEPTED PER THE S.O. (SPECIAL ORDER) 19 PROCESS.
2. AN EXCAVATION/CONSTRUCTION PERMIT IS REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY R.O.W. AN APPROVED COPY OF THIS PLAN MUST BE SUBMITTED AT THE TIME OF APPLICATION.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL LANDSCAPING AREA SHALL BE SOFT-LINED WITH NATIVE VEGETATION AND/OR GRAVEL.
5. CONTRACTOR SHALL ENSURE THAT NO SITE SOLS/SEDIMENT OR SILT ENTER THE RIGHT-OF-WAYS DURING CONSTRUCTION.
6. REGENERATE ALL AREAS DISTURBED DUE TO CONSTRUCTION PER CITY OF ALBUQ. SPEC. 1012. NATIVE SEED MIX. REFER TO & SEE EROSION & SEDIMENT CONTROL PLAN.
7. MAXIMUM SITE GRADING WITHOUT EROSION PROTECTION- 3" HORIZONTAL TO 1 VERTICAL, 3:1. ALL DIMENSIONS TO FACE OF CURB, UNLESS NOTED OTHERWISE.

## LEGEND

EXIST. SPOT ELEVATION +2.40  
 EXIST. CONTOUR 10  
 NEW SPOT ELEVATION 2.40  
 NEW CONTOUR 12  
 NEW SMALL  
 DRAINAGE DIRECTION, EXISTING  
 NEW P.C.C., CONCRETE  
 TOP OF CURB, EXISTING  
 FLOWLINE  
 EXISTING POWER POLE  
 FACE OF CURB/FACE OF CURB  
 HIGH POINT  
 HP

## PROJECT DATA

**LEGAL DESCRIPTION**

LOT C-15A, BLOCK 2, TOWN OF ATRISCO GRANT  
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

## PROJECT BENCHMARK

TOP OF REBAR/CAP #3244 AT THE SOUTHEAST CORNER MSL  
ELEVATION = 5076.48, AS TIED FROM COA 3-1/4" DIAMETER ALUM  
DISK, ACS 18\_K11, NAVD 88, MSL ELEV. 5076.47, LOCATED AT THE EN  
CURB RETURN OF 65TH ST. AND CENTRAL AVE.

## TOPOGRAPHIC DESIGN SURVEY

APPROVED BY ALPHA PRO SURVEYING SUPPLEMENTED BY CLARK CONSULTING ENGINEERS UNDER DIRECTION OF GARY E. GRITSKO, N.M.P.S., DATED APRIL 2016.

2016.



19 Ryan Road  
Edgewood, New Mexico 87015  
Tele: (505) 281-2444 Cell: (505) 264-6042

DATE	REVISION
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10-12-16	ADDR COAHYDROL
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ADDED 2019 NOTE  
REF: TO ESC PLAN

3/15/17	ADD DISP.VOL
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DESIGNED BY: PWC	DRAWN
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CHECKED BY: FWC	DATE:
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