

# CITY OF ALBUQUERQUE

Planning Department  
Suzanne Lubar, Director



Mayor Richard J. Berry

November 22, 2016

Philip W. Clark, PE  
Clark Consulting Engineers  
19 Ryan Rd  
Edgewood, NM 87015

**Re: Betos Boots**  
**5901 Rio Vista Dr. NW**  
**Request Permanent CO - Accepted**  
**Engineer's Stamp dated: 5-12-16 (L11D068)**  
**Certification dated: 11-21-16**

PO Box 1293

Dear Mr. Clark,

Albuquerque

Based on the Certification received 11/21/2016, the site is acceptable for release of permanent Certificate of Occupancy by Hydrology.

If you have any questions, you can contact me at 924-3686 or Totten Elliott at 924-3982.

New Mexico 87103

Sincerely,

www.cabq.gov

Abiel Carrillo, P.E.  
Principal Engineer, Planning Department  
Development and Review Services

TE/AC

C: email Cordova, Camille C.; Miranda, Rachel; Sandoval, Darlene M.; Blocker, Lois



SITE / PROJECT DOES NOT LIE WITHIN A FEDERAL  
SPECIAL FLOOD HAZARD AREA PER REF. PANEL

PANEL # 329 H

## GRADING & DRAINAGE PLAN

THE COMMERCIAL RETAIL PROJECT IS LOCATED IN THE SOUTHWEST CORNER OF ALBUQUEQUÉ, APPROXIMATELY 3 MILES SOUTHWEST OF THE DOWNTOWN CORE OF ALBUQUEQUÉ, NM. THE GRADING & DRAINAGE SCHEME HEREON IS IN COMPLIANCE WITH THE BEN-A-LILLO COUNTY FLOOD HAZARD ORDINANCE, NO.88-46, 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 CONTOURS, AND SPOT ELEVATIONS AND EXISTING DRAINAGE PATTERNS, AND EXISTING IMPROVEMENTS.
2. INCLUDING MAINT LOT
3. PROPOSED IMPROVEMENTS: 1'-2600 SF TOTAL STRUCTURE, NEW CONCRETE DRIVEWAY AND ON-SITE PARKING, NEW GRADE ELEVATIONS, WALLS, FLATIRON, AND LANDSCAPING.
4. QUANTIFICATION BETWEEN EXISTING AND PROPOSED ELEVATIONS.
5. FLOWS WHICH CONTRIBUTE TO THE DEVELOPED FLOWS GENERATED BY THE IMPROVEMENTS.

THE PURPOSE OF THE PLAN IS TO ESTABLISH CRITERIA FOR CONTROLLING STORM RUNOFF AND EROSION, AND ESSENTIALLY ALLOWING HISTORIC FLOWS TO CONTINUE TO DRAIN THROUGH THE PROPERTY. PRESENTLY, THE SITE IS BOUNDED ON THE WEST BY RESIDENTIAL EASE, COORS BLVD AND RIO MISTA DR. ON THE EAST AND SOUTH ARE PAVED WITH CURB/ GUTTER AND SIDEWALKS. BOTH STREETS ARE MAINTAINED BY CITY OF ALBUQUERQUE, AND BRIDGE ARE MAINTAINED BY THE CITY OF ALBUQUERQUE. A PAVED PUBLIC ALLEY ADJUTS ON THE NORTH. THE SITE DRAINS TO THE SOUTHEAST.

HISTORICAL STREET RUNOFF OUTFALL LOCATIONS WILL REMAIN UNCHANGED. SINCE BOTH STREETS ARE IMPROVED ONLY ANNUAL GRADING (DIPPLED RECURSIVELY) IS PROPOSED WITHIN THE CITY ROW. THE "THIRST BLUSH" 1/2-INCH RAINSTORM IS RETAINED ON-SITE WITH THE PERVIOUS LANDSCAPING. 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

**EXISTING CONDITIONS (APPROXIMATELY DEVELOPED)**

TOTAL AREA = 0.22 ACRES, WHERE EXCESS PRECIP. 'C' = 0.99 in. [0.44"]  
PEAK DISCHARGE, Q100 = 0.63 CFS [0.33] WHERE UNIT PEAK DISCHARGE 'C' = 2.9 CFS/AC. [1.5]  
THEREFORE, VOLUME 100 = 791 CF [351]  
DESIGN STORM: 100-YEAR, 6-HOUR, TIME OF CONCENTRATION, TC = 10 Minutes  
DESIGN FLOW, Q100 = 2.09 CFS [0.92] DISCHARGE RATE, Q100 = 0.0093 CFS/INCH  
DESIGN VOLUME, V100 = 791 CF [351] VOLUME RATE, V100 = 0.0093 CFS/INCH  
DESIGN STORM: 100-YEAR, 6-HOUR, TIME OF CONCENTRATION, TC = 10 Minutes  
DESIGN FLOW, Q100 = 2.09 CFS [0.92] DISCHARGE RATE, Q100 = 0.0093 CFS/INCH  
DESIGN VOLUME, V100 = 791 CF [351] VOLUME RATE, V100 = 0.0093 CFS/INCH

### DEVELOPED CONDITIONS

LAND TREATMENT	AREA	$Q_{Peak}$	$E_{Washed}$
UNDERLAY/HARDSPOND	0.03 ac (0.8%)	1.29(0.24)	0.49(0.08)
LANDSCAPING	0.03 ac (1.4%)	0.67(0.26)	0.67(0.22)
GRAVEL & COMPACTED SOIL	0.03 ac (1.3%)	2.87(1.49)	0.99(0.44)
ROOF + PAVEMENT	0.16 ac (7.3%)	4.40(2.90)	1.97(1.24)
THEREFORE: $E_{Washed} = 1.66$ in.(0.99)	0.22 ac		

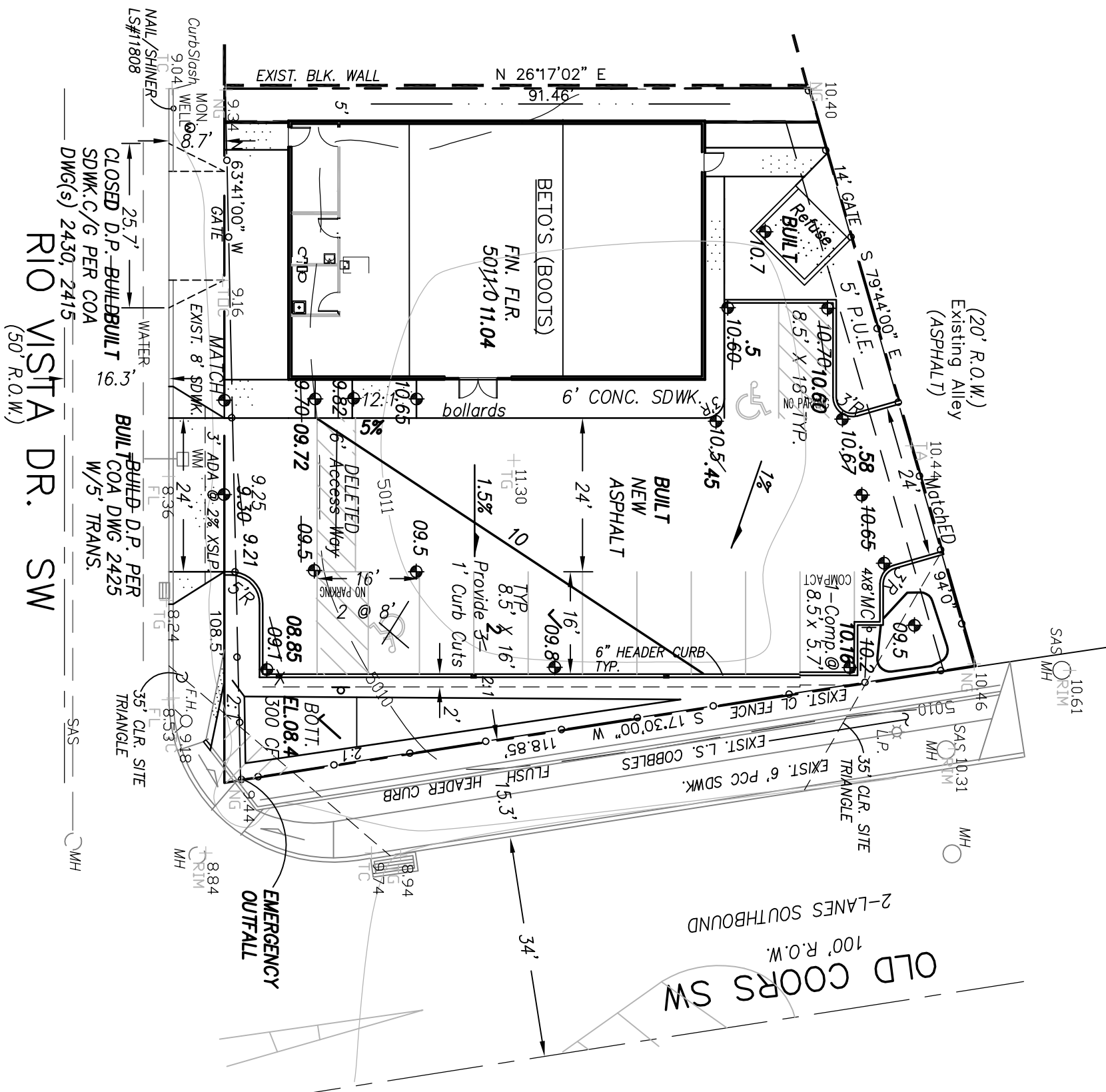
RECOMMEND : ROUTE DEVELOPED RUNOFF THROUGH PROPOSED/UPGRADED SOFT LANDSCAPING INCLUDING DEPRESSED LANDSCAPING STRIP ALONG PARKING AS SHOWN

## LANDSCAPE STRIP HARVEST CALC.

ALL DEVELOPED RUNOFF IS DIRECTED TO THE HARVESTING AREAS ALONG COORS BLVD

CHECK 1st 1/2" RETAINED, 0.34" x IMPERVIOUS

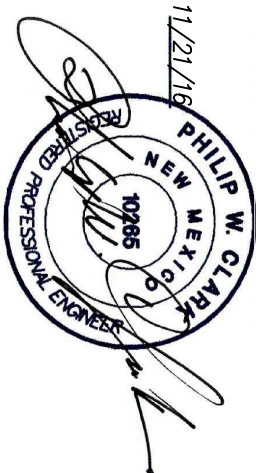
0.16 AC x 43560 SF x 0.34"/12 = 197 CF



## DRAINAGE CERTIFICATION

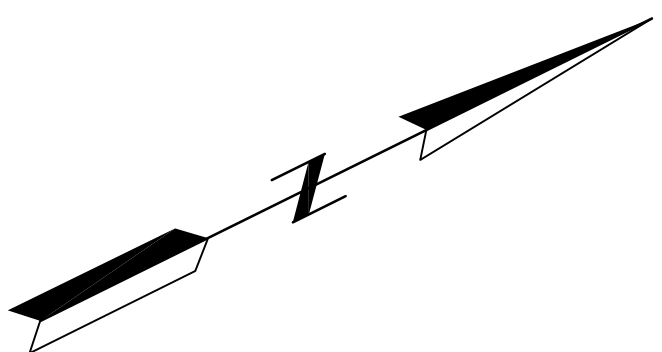
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY FOR INFORMATIONAL PURPOSES. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF THE U.S. DEPARTMENT OF THE INTERIOR AND IS LOANED TO YOU. IT AND ITS CONTENTS ARE TO BE KEPT CONFIDENTIAL AND NOT DISCLOSED TO ANY OTHER PERSON OR ORGANIZATION. IT IS TO BE DESTROYED WHEN NO LONGER REQUIRED FOR OFFICIAL USE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR THE CERTIFICATE OF CONFIDENCE.

PHILIP W. CLARK, NMPE 1026

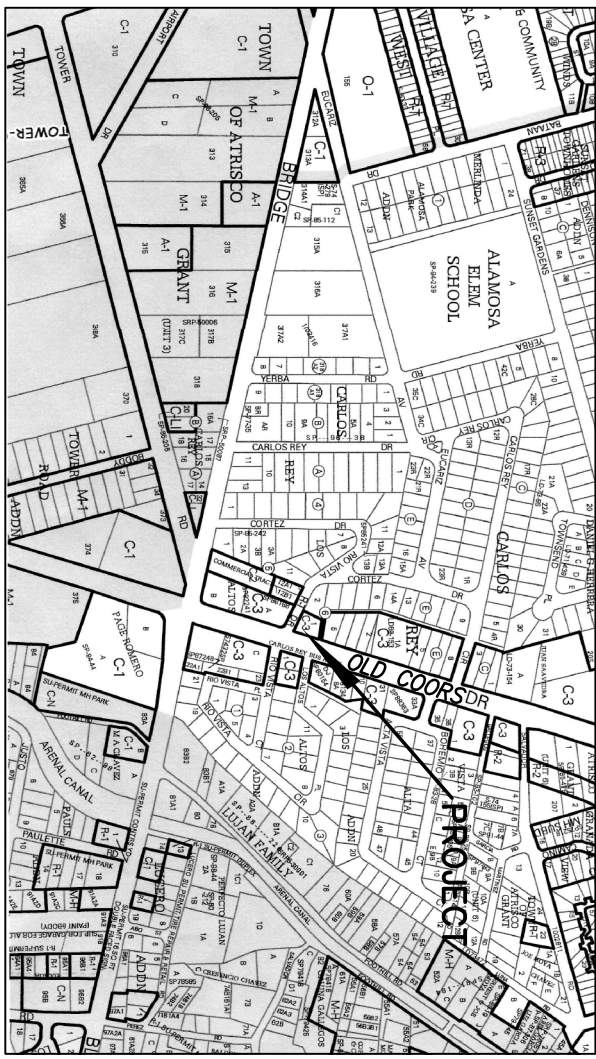


I, PHILIP W. CLARK, A PROFESSIONAL ENGINEER LICENSED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT I HAVE VISITED THE SITE SHOWN HEREON, AND THAT THE CONTOURS SHOWN REPRESENT THE EXISTING GROUND CONDITIONS, AND DO FURTHER CERTIFY THAT NO SIGNIFICANT EARTHWORK HAS OCCURRED ON THIS SITE SINCE THE CONTOURS WERE DETERMINED.

PHILIP W. CLARK NMPE #10265



SCALE: 1" = 20'






# VICINITY MAP

## NOTES

1. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1996 EDITION W/ 9 UPDATES.
2. AN EROSION/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 GRASS.
5. CONTRACTOR SHALL ENSURE THAT NO SITE SOILS/SEDIMENT OR SILT ENTER THE RIGHT-OF-WAYS DURING CONSTRUCTION.
6. RESEED/ATE ALL AREAS DISTURBED DUE TO CONSTRUCTION PER CITY OF ALBUQ. SPEC. 1012, NATIVE SEED MIX.
7. MAXIMUM SITE GRADING WITHOUT EROSION PROTECTION: 2' HORIZONTAL TO 1 VERTICAL, 2:1. ALL DIMENSIONS TO FACE OF CURB, UNLESS NOTED OTHERWISE.

## LEGEND

- |                              |   |
|------------------------------|---|
| EXIST. SPOT ELEVATION        | +24.0   |
| EXIST. CONTOUR               | 10  |
| NEW SPOT ELEVATION           | 24.0  |
| NEW CONTOUR                  | 12  |
| NEW SWALE                    |  |
| DRAINAGE DIRECTION, EXISTING |  |
| NEW P.C.C., CONCRETE         |  |
| TOP OF CURB, EXISTING        | TC  |
| FLOWLINE                     | FL  |
| EXISTING POWER POLE          | ○   |
| FACE OF CURB/FACE OF CURB    | F-F   |
| HIGH POINT                   | HP  |

## PROJECT DATA

LEGAL DESCRIPTION (CONCURRENT PLATTING)

LOT 1, BLOCK 6, LOS ALTOS SUBDIVISION  
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

## PROJECT BENCHMARK

PC 10110562674J31902  
TAXYR2016  
OWNER CARRILLO GABINO & CARRILLO MAGLYN  
OWNADD 5901 RIO VISTA DR SW  
ALBUQUERQUE NM 87121  
LEGALDESC \* 001 00610S ALTOS SUBD  
DOCNUM 2011063908 071211 QC -

## TOPOGRAPHIC DESIGN SURVEY

SUPPLEMENTED BY CLARK CONSULTING ENGINEERS FROM CONTROL PROVIDED BY ALPHA PRO SURVEYING, LLC. N.M.P.S. 8686.



19 Ryan Road  
Good, New Mexico 87015

Tele: (505) 281-2444      Cell: (505) 264-6042

DATE	TELEVISION	ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
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5901 RIO VISTA DR. SW  
BETO'S BOOTS

# Grading & Drainage Plan

DESIGNED BY: PWC	DRAWN BY: CCE	JOB #:	BURK_RIOV
CHECKED BY: PWC	DATE 4/2016	FILE #:	G/D

**1 OF 1**





# City of Albuquerque

Planning Department

Development & Building Services Division

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

**Project Title:** Betos Boots (Retail) **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** L-11

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

**Legal Description:** Lot 1, Blk 6, Los Altos Subd.

**City Address:** 5901 Rio Vista Dr SW

**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:** ~~5/20/16~~ **11/21/16** **By:** Phil Clark

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

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