CITY OF ALBUQUERQUE



January 9, 2017

David Soule, PE Rio Grande Engineering 1606 Central SE Suite 201 Albuquerque, NM 87106

Re: Coles Metal

3435 Vassar Dr NE

Request Permanent C.O. - Accepted

Engineer's Stamp Dated 6-23-16 (G16D150)

Certification dated: 1-6-17

Dear Mr. Soule,

Based on the Certification received 1/9/2017, the site is acceptable for release of Certificate of Occupancy by Hydrology.

PO Box 1293

If you have any questions, you can contact me at 924-3999 or Totten Elliott at 924-3982.

Albuquerque

Sincerely,

New Mexico 87103

Shahab Biazar, P.E.

City Engineer, Planning Dept.

www.cabq.gov

Development Review Services

TE/SB

C: email

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



City of Albuquerque

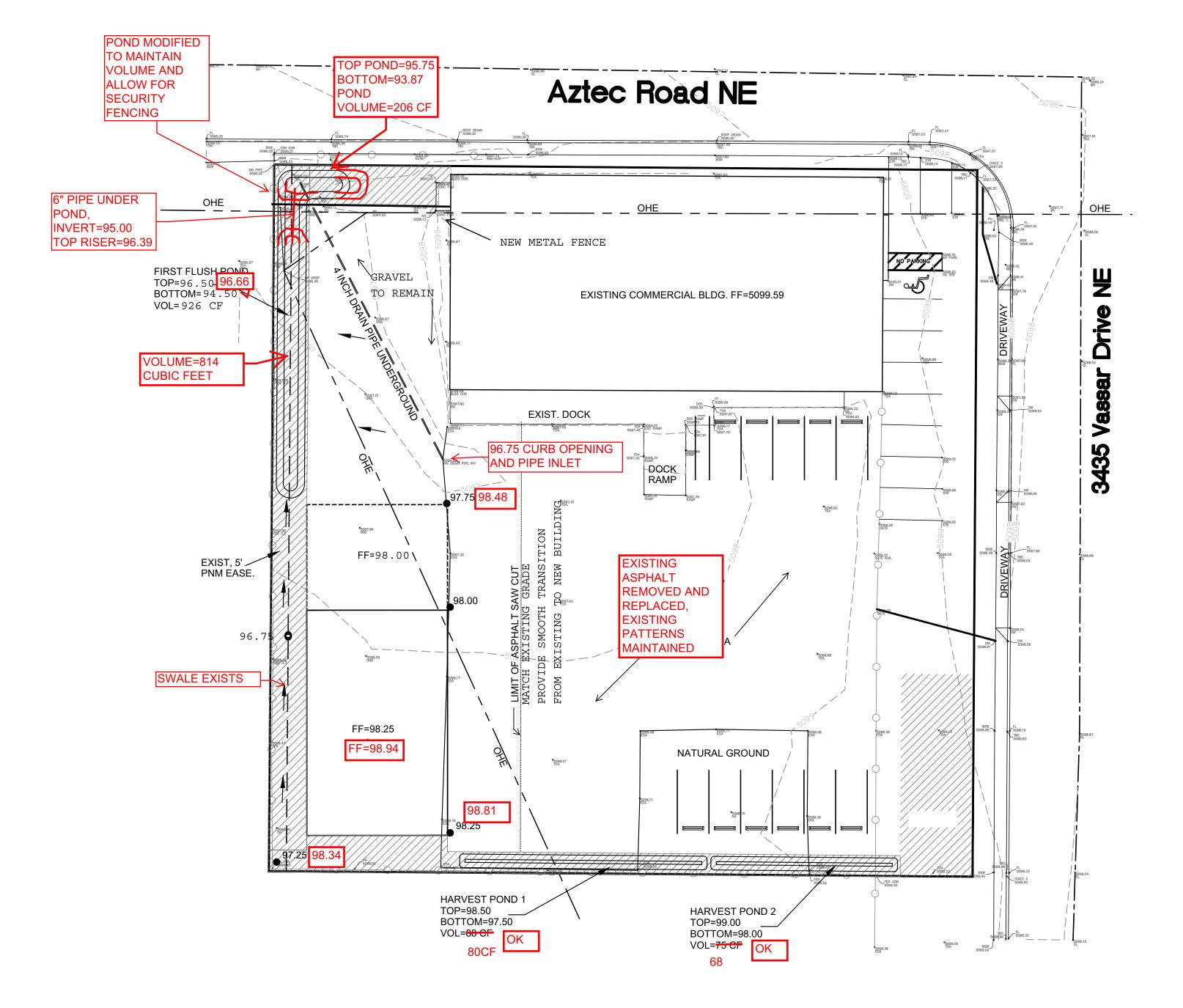
Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: EPC#:		City Drainage #: G10D150					
	v	Vork Order#:					
Legal Description:							
City Address:							
Engineering Firm:	C	Contact:					
Address:		-					
Phone#: Fax#:	E	E-mail:					
Owner:	C	Contact:					
Address:							
DI "	E	-mail:					
Architect:	C	Contact:					
Address:							
DI "		E-mail:					
Other Contact:	C	Contact:					
Address:							
	E	-mail:					
DEPARTMENT: HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CONTROL	CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT: BUILDING PERMIT APPROVAL CERTIFICATE OF OCCUPANCY						
TYPE OF SUBMITTAL:	DDEL D GOVE DAY	DV ATT ADDD OVAN					
ENGINEER/ ARCHITECT CERTIFICATION		PLAT APPROVAL					
	SITE PLAN FOR SUB'D APPROVAL SITE PLAN FOR BLDG, PERMIT APPROVAL						
CONCEPTUAL G & D PLAN	FINAL PLAT A						
GRADING PLAN		OF FINANCIAL GUARANTEE					
DRAINAGE MASTER PLAN	FOUNDATION	PERMIT APPROVAL					
DRAINAGE REPORT	GRADING PER	MIT APPROVAL					
CLOMR/LOMR	SO-19 APPROVAL						
TRACEIC CIRCLE ATION LAVOUT (TOL)	PAVING PERM						
TRAFFIC CIRCULATION LAYOUT (TCL) TRAFFIC IMPACT STUDY (TIS)) CERTIFICATION					
EROSION & SEDIMENT CONTROL PLAN (ESC)	WORK ORDER A	APPROVAL					
EROSION & SEDIMENT CONTROL TEAN (ESC)	CLOMR/LOMR						
OTHER (SPECIFY)	PRE-DESIGN ME	EETING					
	OTHER (SPECI	FY)					
IS THIS A RESUBMITTAL?: Yes No							
DATE SUBMITTED:By:							

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ____



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
- 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.

I <u>David Soule</u>, NMPE 14522, of the firm <u>Rio Grande Engineering</u>, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 6.23.16 The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The asbuilt survey was provided THOMAS JOHNSTON NMPLS14269 The certification is submitted in support of a request for <u>PERMANENT CERTIFICATE OF OCCUPANCY</u>. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

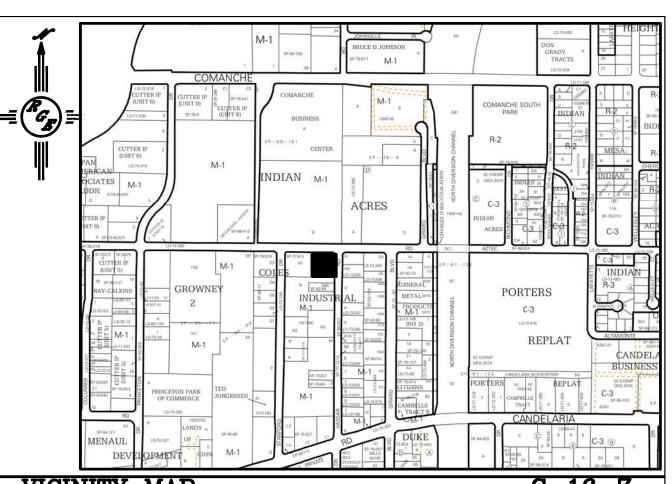
EXCEPTIONS

THE ONSITE PONDING WAS MODIFIED TO ALLOW FOR A METAL SECURITY FENCE. THE REQUIED PONDING VOLUME OF 1002 CUBIC FEET HAS BEEN PROVIDED (68+80+206+814=1168 CF)



12/19/16

1/6/17



G-16-Z PANEL 0351H FIRM FLOOD INSURANCE RATE MAR BERNALILLO COUNTY, NEW MEXICO AND INCORPORATED AREAS PANEL 351 OF 825 CONTAINS:
COMMUNITY NUMBER PANEL SUFFIX
ASSUGIEROUS CITY OF 350002 0351 H BERNALILLO COUNTY
UNINCORPORATED AREAS 350001 0351 otice to User: The Map Number shown below should be used nen glaring map inders; the Community Number shown dive should be used on insurance applications for the subject

LEGAL DESCRIPTION:

FIRM MAP:

NORTH 200' OF THE EAST 1/2 OF TRACT N, COLE'S INDUSTRIAL SUBDIVISION NO. 2 CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE

35001C351H

LEGEND

---- EXISTING CONTOUR ---- EXISTING INDEX CONTOUR — PROPOSED CONTOUR PROPOSED INDEX CONTOUR LOT LINE EXTENDED STEM WALL SEE ARCH PLANS FOR DETAILS PROPOSED ROCK FACE WALL — PROPOSED EDGE OF CONCRETE · · · · · · · · · · PROPOSED FLOWLINE

Weighted E Method

Existing Developed Basins

									100-Year, 6-hr.			10-day		
Basin	Area	Area	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E	Volume	Flow	Volume
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)
PROPOSED ONSITE	40385	0.927	0%	0	0.0%	0.000	25.0%	0.23178	75%	0.695	1.873	0.145	4.00	0.237
EXISTING ONSITE	40385.00	0.927	0%	0	5.0%	0.046	15.0%	0.13907	85%	0.788	2.011	0.155	4.25	0.260
COMPARISON(onsite historical to proposed)						0.05		-0.09		0.09		0.011	0.25	0.023
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 2)

Qa= 1.56 Eb= 0.78 Qb= 2.28 Ec= 1.13 Qc= 3.14 Ed= 2.12 Qd= 4.7

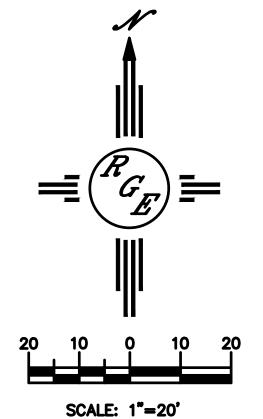
POND INCREASED RUNOFF VOLUME

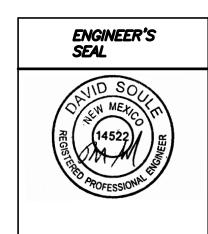
FIRST FLUSH REQUIREMENT

972.6054 CUBIC FEET REQUIRED

1089 CUBIC FEET PROVIDED

THIS SITE IS A REDEVELOPMENT OF AN EXISTING SITE . THE ADDITION WILL OCCUR IN A LOCATION THAT IS CURRENTLY HARD COMPACTED GRAVEL, THE NET INCREASE IN FLOW RATE SHALL BE .25 CFS. THE FIRST FLUSH POND HAS BEEN INCREASE TO CONTAIN THE INCREASE VOLUME GENERATED BY THE IMPROVMENTS FOR THE 100-YEAR, 10-DAY EVENT



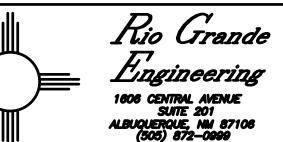


6/23/16

DAVID SOULE

P.E. #14522

COLES METAL BY DEM BUILDING IMPROVEMENTS 6-22-16 GRADING AND DRAINAGE PLAN COLES GAD.dug



of 1 JOB # XXXXX

SHEET #

DUE TO THE ADDITIONAL ABSTRACTION AND INFILTRATION CAUSED BY FIRST FLUSH POND, THE PEAK DISCHARGE WILL SIMILAR TO HISTORIC WITH INCREASE WATER QUALITY.

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.