



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: _____ **Building Permit #:** _____ **City Drainage #:** G16D150

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Engineering Firm: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Architect: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Check all that Apply:

DEPARTMENT:

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

CHECK 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
- PRE-DESIGN MEETING
- OTHER (SPECIFY) _____

TYPE OF SUBMITTAL:

- ENGINEER/ ARCHITECT CERTIFICATION
- CONCEPTUAL G & D PLAN
- GRADING PLAN
- DRAINAGE MASTER PLAN
- DRAINAGE REPORT
- CLOMR/LOMR
- TRAFFIC CIRCULATION LAYOUT (TCL)
- TRAFFIC IMPACT STUDY (TIS)
- EROSION & SEDIMENT CONTROL PLAN (ESC)
- OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: Yes No

DATE SUBMITTED: _____ By: _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____

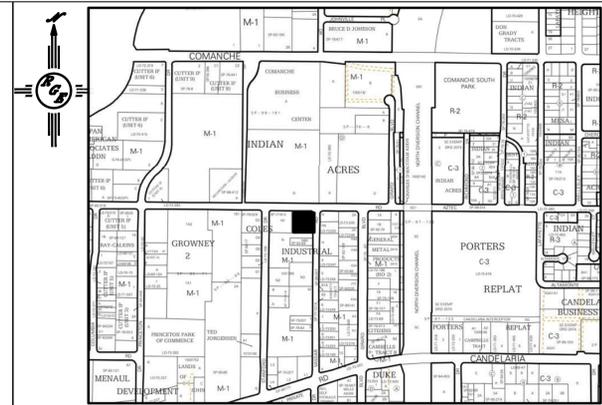
EROSION CONTROL NOTES:

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 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 ACCEPTANCE OF ANY PROJECT.

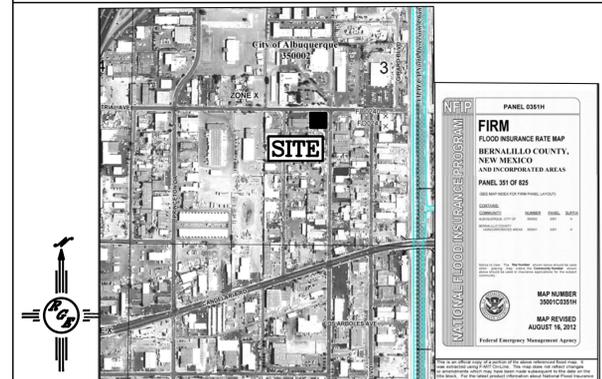
I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 6.23.16. The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided THOMAS JOHNSTON NMPLS14269. The certification is submitted in support of a request for PERMANENT CERTIFICATE OF OCCUPANCY. 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.



12/19/16



VICINITY MAP: **G-16-Z**



FIRM MAP: **35001C351H**

LEGAL DESCRIPTION:

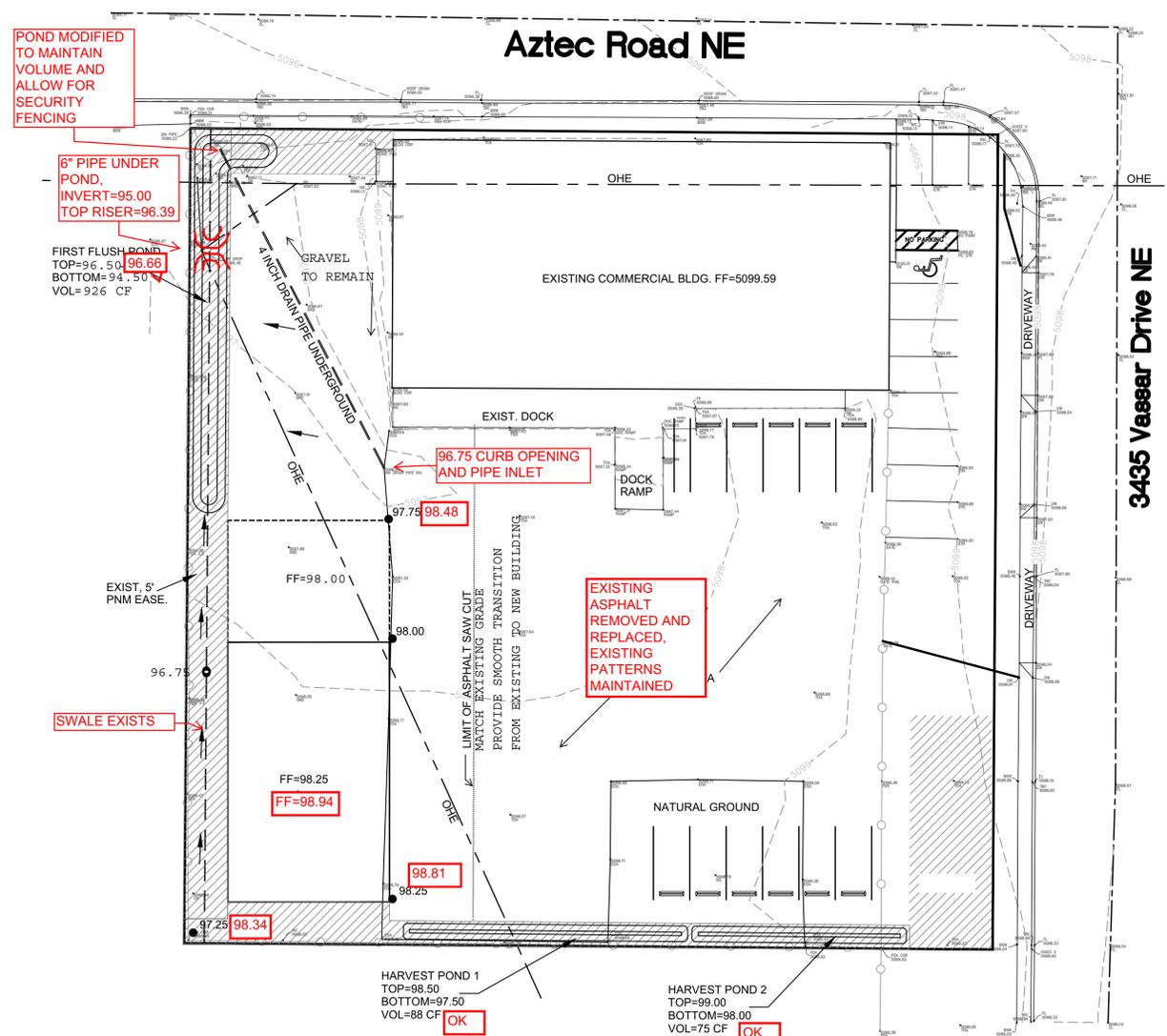
NORTH 200' OF THE EAST 1/2 OF TRACT N, COLE'S INDUSTRIAL SUBDIVISION NO. 2 CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.

LEGEND

- - - - -5601- EXISTING CONTOUR
- - - - -5600- EXISTING INDEX CONTOUR
- 5601- PROPOSED CONTOUR
- 5600- PROPOSED INDEX CONTOUR
- LOT LINE
- CENTERLINE
- RIGHT-OF-WAY
- EXTENDED STEM WALL SEE ARCH PLANS FOR DETAILS
- PROPOSED ROCK FACE WALL
- EXISTING CURB AND GUTTER
- PROPOSED EDGE OF CONCRETE
- PROPOSED FLOWLINE
- EXISTING WALL



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.

Weighted E Method
VASSAR

Existing Developed Basins

Basin	Area (sf)	Area (acres)	Treatment				100-Year, 6-hr.			10-day				
			A	B	C	D	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (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 E * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

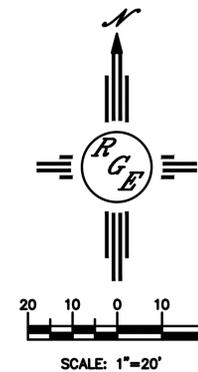
Where for 100-year, 6-hour storm (zone 2)

- Ea= 0.53
- Eb= 0.78
- Ec= 1.13
- Ed= 2.12
- Qa= 1.56
- Qb= 2.28
- Qc= 3.14
- Qd= 4.7

NARRATIVE

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

FIRST FLUSH REQUIREMENT
972.6054 CUBIC FEET REQUIRED
1089 CUBIC FEET PROVIDED
POND INCREASED RUNOFF VOLUME
1002.894



 6/23/16 DAVID SOULE P.E. #14522	COLES METAL BUILDING IMPROVEMENTS	DRAWN BY DEM DATE 6-22-16
	GRADING AND DRAINAGE PLAN	COLE 060-009
 1808 CENTRAL AVENUE SUITE 201 ALBUQUERQUE, NM 87108 (505) 872-0669		SHEET # 1 of 1
		JOB # XXXXX