

# CITY OF ALBUQUERQUE



May 26, 2016

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

**Re: Coal Townhomes**  
**714 Coal Ave SW**  
**Requested for Permanent C. O. - Accepted**  
**Engineers Stamp Date 7/6/15 (K13D073)**  
**Certification dated: 5-24-16**

Dear Mr. Soule,

Based on the Certification received 5/18/2016, 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 924-3695 or Totten Elliott at 924-3982.

Albuquerque

Sincerely,

New Mexico 87103

Rita Harmon, P.E.  
Senior Engineer, Planning Dept.  
Development Review Services

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

TE/RH

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



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: \_\_\_\_\_ Building Permit #: \_\_\_\_\_ City District #: \_\_\_\_\_

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: \_\_\_\_\_

Surveyor: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

Contractor: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

### TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1st SUBMITTAL
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL Grading PLAN
- ☐ GRADING PLAN
- ☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
- ☐ ENGINEER'S CERT (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEER'S CERT (TCL)
- ☐ ENGINEER'S CERT (DRB SITE PLAN)
- ☐ ENGINEER'S CERT (ESC)
- ☐ SO-19
- ☐ OTHER (SPECIFY) \_\_\_\_\_

### CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ SIA/FINANCIAL GUARANTEE RELEASE
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUBDIVISION APPROVAL
- ☐ S. DEV. FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY (PERM)
- ☐ CERTIFICATE OF OCCUPANCY (TCL TEMP)
- ☐ FOUNDATION PERMIT APPROVAL
- ☐ BUILDING PERMIT APPROVAL
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ PLAT ORDER APPROVAL
- ☐ GRADING CERTIFICATION
- ☐ SO-19 APPROVAL
- ☐ ESC PERMIT APPROVAL
- ☐ ESC CERT. ACCEPTANCE
- ☐ OTHER (SPECIFY) \_\_\_\_\_

☐ AS A PRE-DESIGN CONFERENCE ATTENDED: \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Co-Provided

DATE SUBMITTED: \_\_\_\_\_ BY: \_\_\_\_\_

Requests for projects on Site Development Plans and/or Subdivision Plans shall be accompanied by the appropriate submittal. The particular nature, location, and scope of the proposed development defines the degree of detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for projects on Site Development Plans greater than (5) acres and Sector Plans
2. **Drainage Plans:** Required for building permits, grading permits, and site plans less than (5) acres
3. **Drainage Report:** Required for subdivision projects more than (10) lots or constitute (5) acres or more
4. **Erosion and Sediment Control Plan:** Required for all development and redevelopment site plans - large or more on land disturbed, including projects less than 1-acre that are not on a lot or on a development

Weighted E Method  
LOT 7A RAYNOLDS ADDITION

Existing Developed Basins

Basin	Area (sf)	Area (acres)	Treatment A (acres)	Treatment B (acres)	Treatment C (acres)	Treatment D (acres)	100-Year, 6-hr. Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
EXISTING	4970	0.114	0%	0	100.0%	0.114	0.0%	0.000	0.007
PROPOSED	4970	0.114	0%	0	50.0%	0.057	15.0%	0.01711	0.040
DISCHARGE LESS HARVEST ALLOWABLE DISCHARGE	3230	0.074	0	76.9%	0.057	23.1%	0.01711	0.000	0.005
								0.860	0.005
									0.31

Equations:

Weighted E = Ea\**A*a + Eb\**A*b + Ec\**A*c + Ed\**A*d / (Total Area)

Volume = Weighted D \* Total Area

Flow = Qa \* *A*a + Qb \* *A*b + Qc \* *A*c + Qd \* *A*d

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

Ea= 0.53  
Eb= 0.78  
Ec= 1.13  
Ed= 2.12

Qa= 1.57  
Qb= 2.28  
Qc= 3.14  
Qd= 4.7

BIOSWALE-HARVEST VOLUM

AREA OF PIPE(18" DIA)  
LENGTH=119'  
1.77  
3.25F 30% VOID=0.97CFLF  
1.77 CFI/F  
315.1 CUBIC FEET

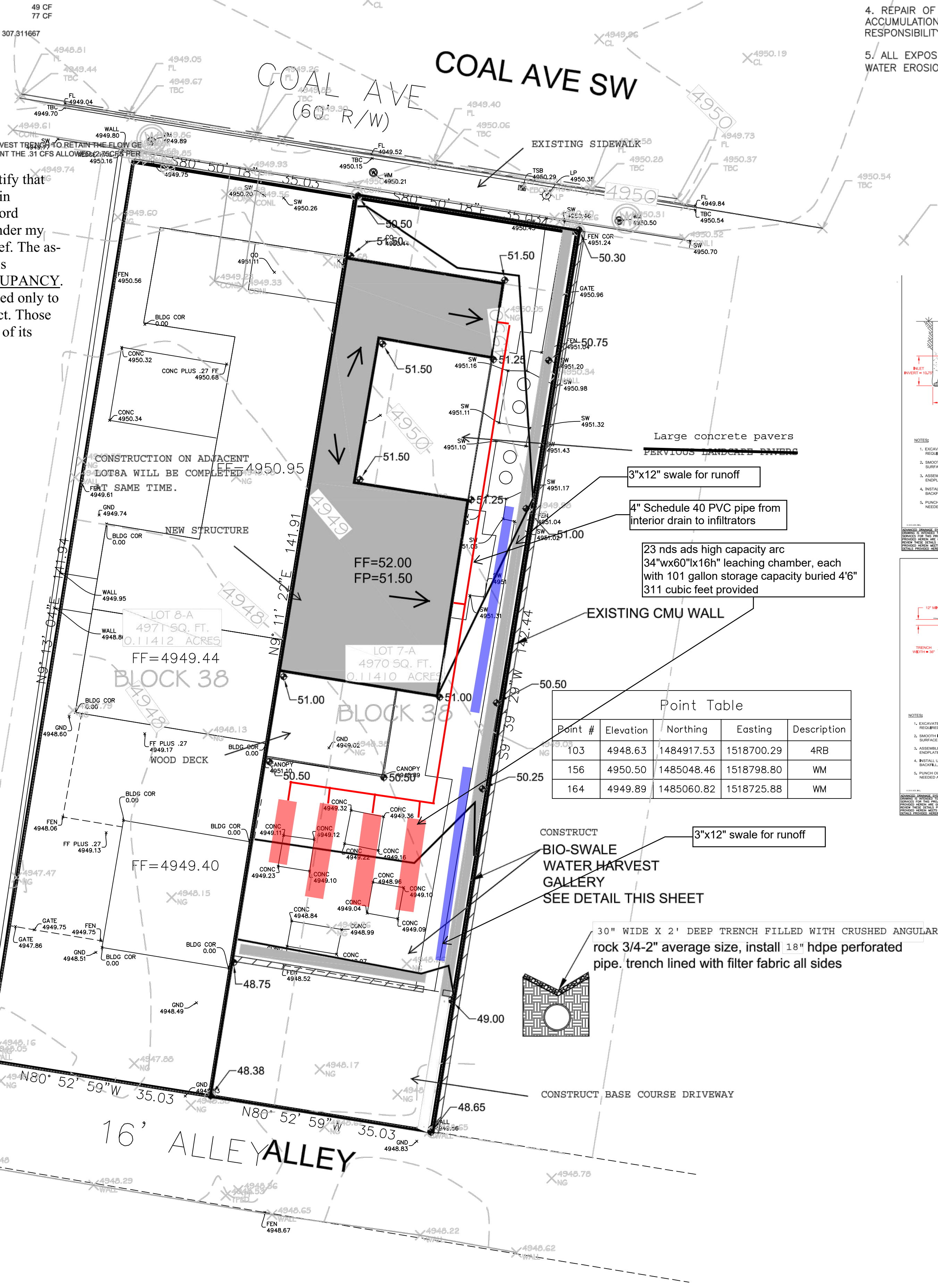
NARRATIVE

THIS IS A REDEVELOPMENT OF AN INFILL LOT. THIS LOT WAS FULLY DEVELOPED IN THE PAST. WE ARE PROPOSING A BIOSWALE/HARVEST TRENCH TO RETAIN FLOW LINE TO THE STREET. THE REMAINING SITE WILL FREE DISCHARGE AT .18 CFS WHICH IS LESS THAN THE .31 CFS ALLOWED. 2.25 CFS PER

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 5/16/13. 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 DAVID ACOSTA NMPS 21082. 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.

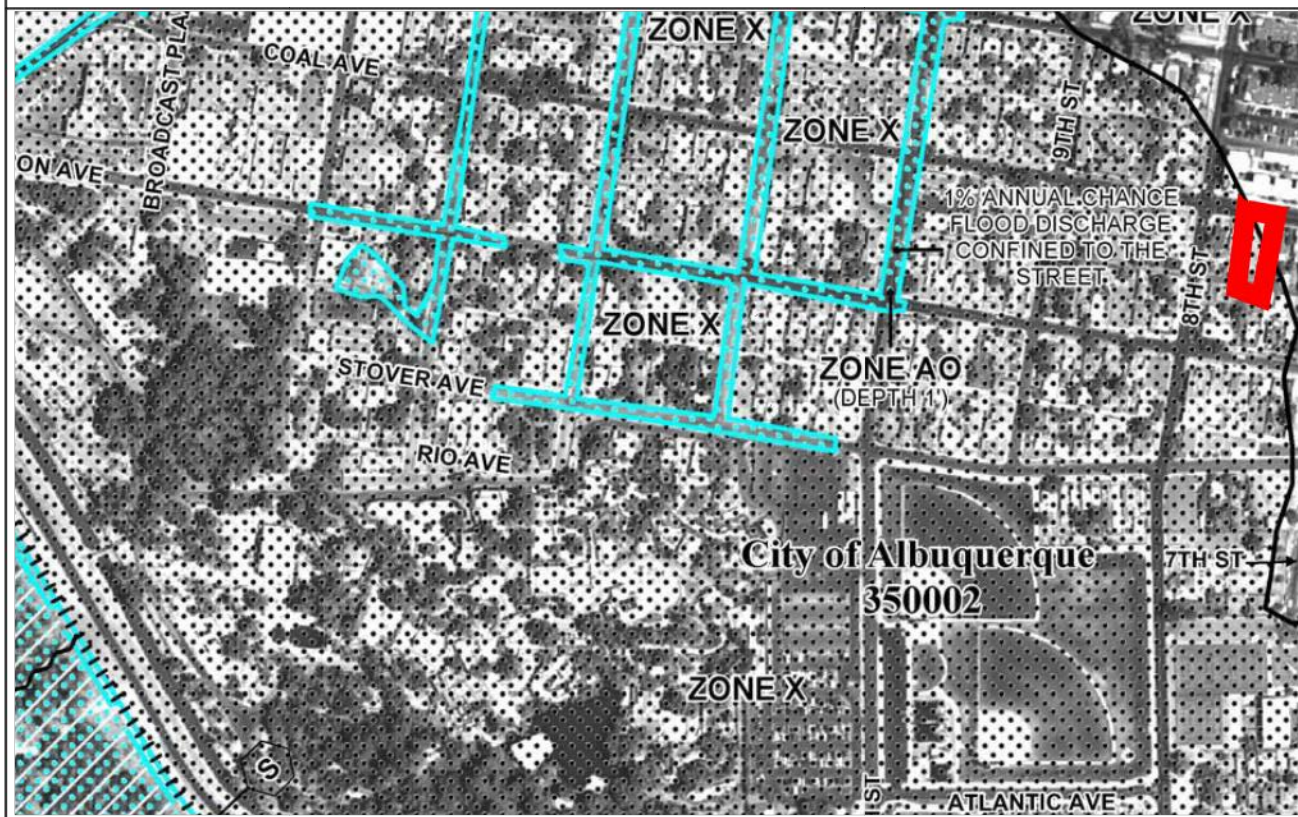
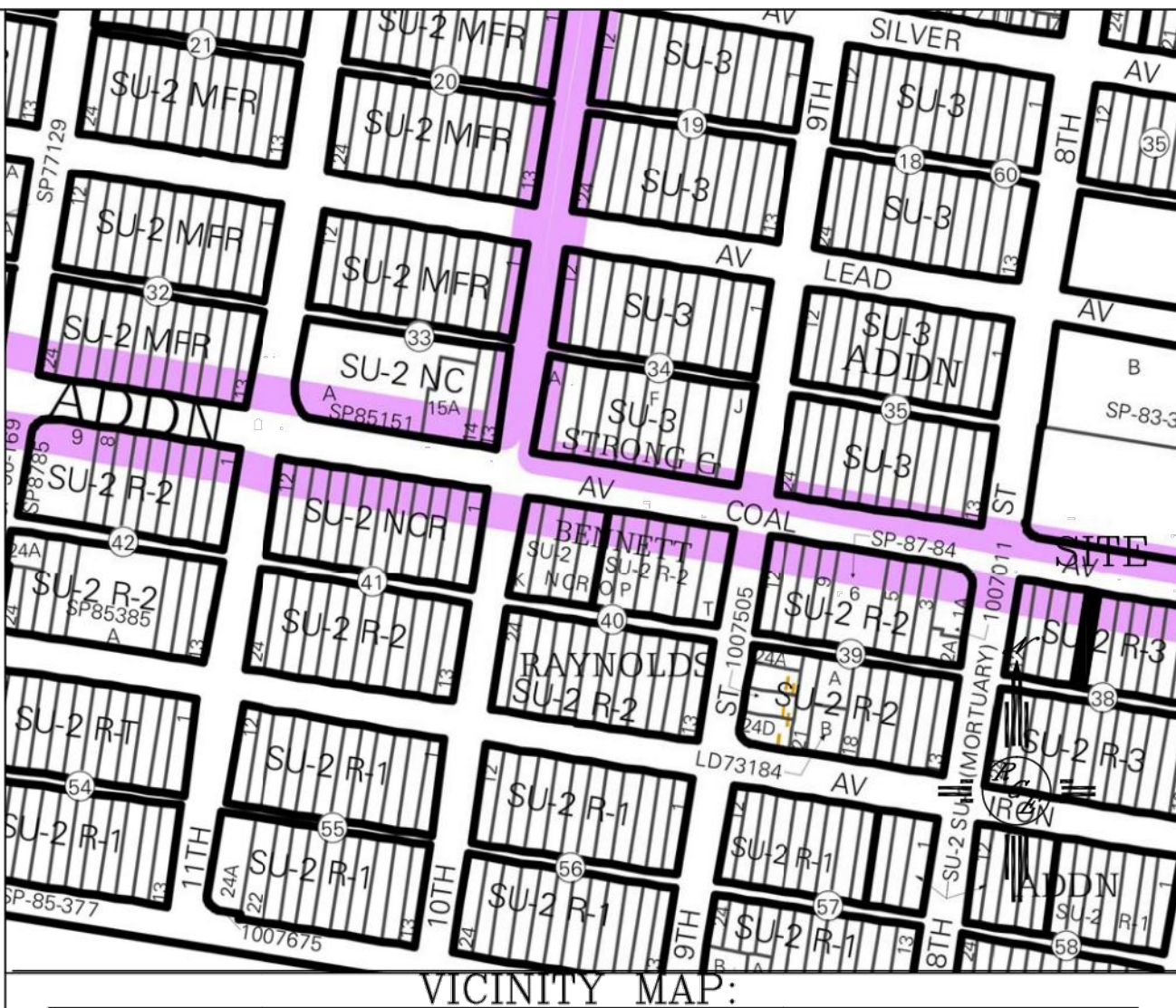
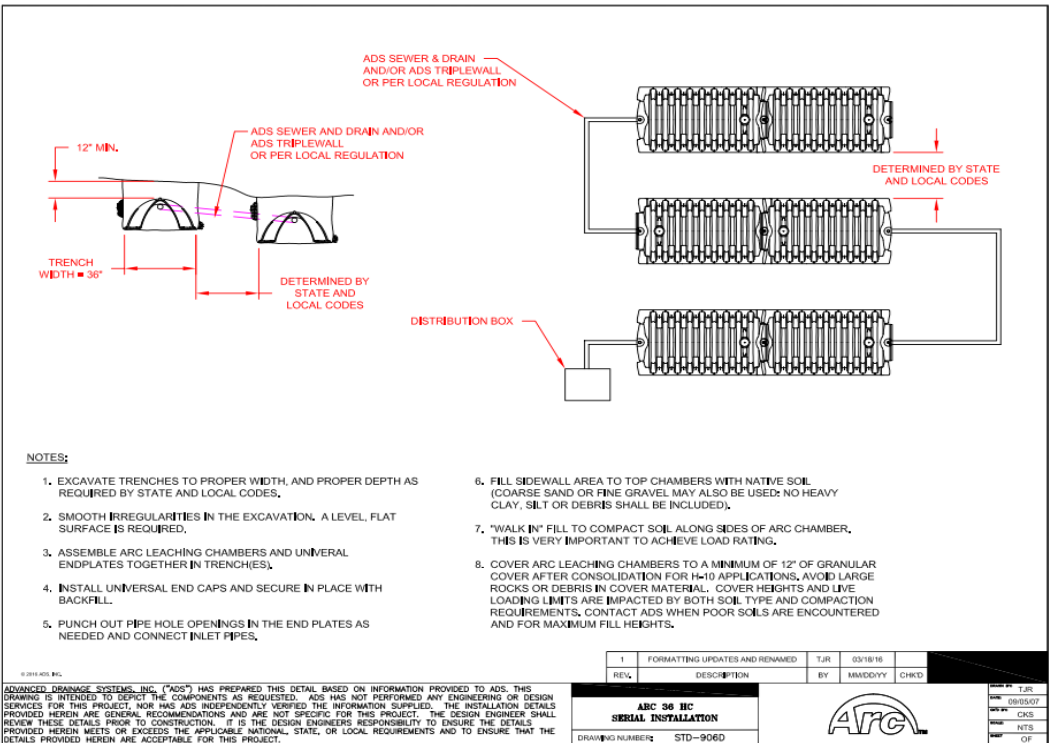
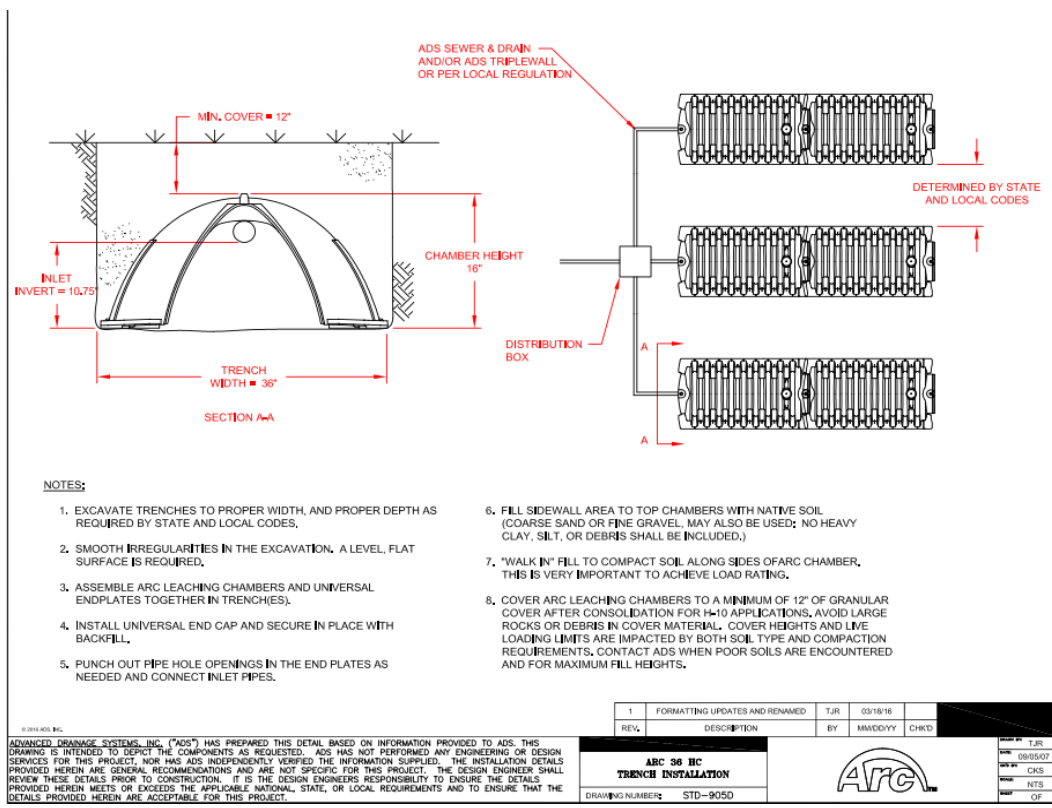


5/24/16



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.



FIRM MAP: 35001C0333H

LEGAL DESCRIPTION:

LOT 7-A RAYNOLDS ADDITION

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. TOPOGRAPHY AND SURVEY DATA SHOWN ON THIS PLAN WAS OBTAINED BY CONSTRUCTION SURVEY TECHNOLOGIES, DAVID P ACOSTA PLS 21082 MAY 2015

LEGEND

- 5411 --- EXISTING CONTOUR
- 5410 --- EXISTING INDEX CONTOUR
- 5411 --- PROPOSED CONTOUR
- 5410 --- PROPOSED INDEX CONTOUR
- EXISTMH CMU WALL
- SWALE-FLOWLINE

ENGINEER'S SEAL	LOT 7-A RAYNOLD ADDITION	DRAWN BY JDG
DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER	GRADING AND DRAINAGE PLAN	DATE 05-20-2015
7/6/15	Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET # 1 OF 1
DAVID SOULE P.E. #14522		JOB #