# **CITY OF ALBUQUERQUE**

Planning Department Suzanne Lubar, Director



January 28, 2016

Kirk Randal, P.E. Anderson Wahlen & Associates 2010 North Redwood Road Salt Lake City UT 84116

#### RE: Smith's #423 Fuel Center 5640 4<sup>th</sup> St NW Grading and Drainage Plan Engineers Stamp Date 1/26/16 (F14D072)

Dear Mr. Randal,

Based upon the information provided in your submittal received 1/27/16, this plan is approved for Grading Permit, Paving Permit and Building Permit. However, before construction may begin the DRC must approve the plan set.

Please inform the Architect/Owner or the contractor to attach a copy of this approved plan<br/>dated 1/26/16 to the construction sets in the permitting process prior to sign-off byAlbuquerqueHydrology. If this plan is not with the construction plan sets the permitting process will be<br/>held up until the plan is provided.

New Mexico 87103 Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

www.cabq.gov

PO Box 1293

If you have any questions, please contact me at 924-3686 or Rudy Rael at 924-3977.

Sincerely.

Abiel Carrillo, P.E. Principal Engineer, Hydrology Planning Department

RR/AC C: File

Albuquerque - Making History 1706-2006



# City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title:	Building Permit #:	City Drainage #:
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:	CHECK TYPE OF APPROV	AL/ACCEPTANCE SOUGHT:
DRAINAGE REPORT	SIA/FINANCIAL GUARAN	TEE RELEASE
DRAINAGE PLAN 1st SUBMITTAL	PRELIMINARY PLAT APPI	ROVAL
DRAINAGE PLAN RESUBMITTAL	S. DEV. PLAN FOR SUB'D	APPROVAL
CONCEPTUAL G & D PLAN	S. DEV. FOR BLDG. PERMI	IT APPROVAL
GRADING PLAN	SECTOR PLAN APPROVAL	_
EROSION & SEDIMENT CONTROL PLAN (ESC)	FINAL PLAT APPROVAL	
ENGINEER'S CERT (HYDROLOGY)	CERTIFICATE OF OCCUPA	ANCY (PERM)
CLOMR/LOMR	CERTIFICATE OF OCCUPA	ANCY (TCL TEMP)
TRAFFIC CIRCULATION LAYOUT (TCL)	FOUNDATION PERMIT AP	PROVAL
ENGINEER'S CERT (TCL)	BUILDING PERMIT APPRO	DVAL
ENGINEER'S CERT (DRB SITE PLAN)	GRADING PERMIT APPRO	VAL SO-19 APPROVAL
ENGINEER'S CERT (ESC)	PAVING PERMIT APPROV	AL ESC PERMIT APPROVAL
SO-19	WORK ORDER APPROVAL	ESC CERT. ACCEPTANCE
OTHER (SPECIFY)	GRADING CERTIFICATION	N OTHER (SPECIFY)
WAS A PRE-DESIGN CONFERENCE ATTENDED:	Yes No Co	ppy Provided
DATE SUBMITTED:	By:	

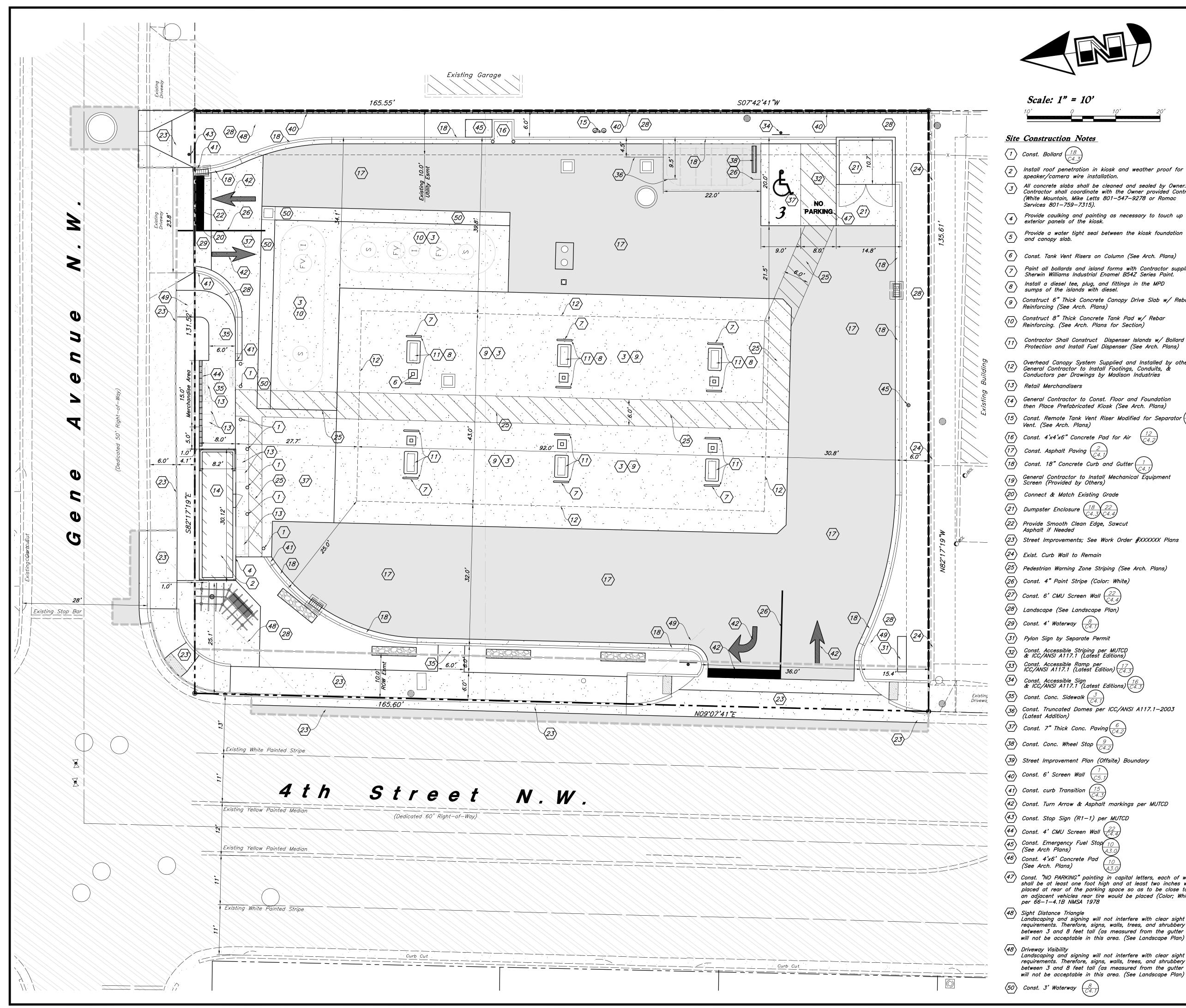
Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based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

1. Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans

2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five (5) acres

3. **Drainage Report**: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more

4. Erosion and Sediment Control Plan: Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development



Scale: 1" = 10'

Install roof penetration in kiosk and weather proof for

speaker/camera wire installation. All concrete slabs shall be cleaned and sealed by Owner. Contractor shall coordinate with the Owner provided Contractor (White Mountain, Mike Letts 801–547–9278 or Romac

Provide caulking and painting as necessary to touch up

5 Provide a water tight seal between the kiosk foundation and canopy slab.

 $\langle 6 \rangle$  Const. Tank Vent Risers on Column (See Arch. Plans) Paint all bollards and island forms with Contractor supplied Sherwin Williams Industrial Enamel B54Z Series Paint. nstall a diesel tee, plug, and fittings in the MPD sumps of the islands with diesel.

9 Construct 6" Thick Concrete Canopy Drive Slab w/ Rebar Reinforcing (See Arch. Plans)

(10) Construct 8" Thick Concrete Tank Pad w/ Rebar Reinforcing. (See Arch. Plans for Section)

Protection and Install Fuel Dispenser (See Arch. Plans)

(12) Overhead Canopy System Supplied and Installed by others. General Contractor to Install Footings, Conduits, & Conductors per Drawings by Madison Industries

 $\langle 14 \rangle$  General Contractor to Const. Floor and Foundation then Place Prefabricated Kiosk (See Arch. Plans)  $\langle 15 \rangle$  Const. Remote Tank Vent Riser Modified for Separator  $\begin{pmatrix} 21 \\ 1 \end{pmatrix}$ 

 $\langle 16 \rangle$  Const. 4'x4'x6" Concrete Pad for Air  $\begin{pmatrix} 12 \\ C4.2 \end{pmatrix}$ 

 $\langle 18 \rangle$  Const. 18" Concrete Curb and Gutter  $\begin{pmatrix} 1 \\ C4 \end{pmatrix}$ (19) General Contractor to Install Mechanical Equipment Screen (Provided by Others)

20 Connect & Match Existing Grade  $\left< 21 \right>$  Dumpster Enclosure  $\left( \begin{array}{c} 18 \\ C4.3 \\ C4.4 \end{array} \right)$ 

 $\langle 23 \rangle$  Street Improvements; See Work Order #XXXXXX Plans

 $\langle 25 
angle$  Pedestrian Warning Zone Striping (See Arch. Plans)

 $\langle 27 \rangle$  Const. 6' CMU Screen Wall  $\begin{pmatrix} 22 \\ C4.4 \end{pmatrix}$ 

33 Const. Accessible Ramp per ICC/ANSI A117.1 (Latest Edition)

 $\begin{array}{c} \hline \hline 34 \\ \& & Const. \ Accessible \ Sign \\ \& & ICC/ANSI \ A117.1 \ (Latest \ Editions) \\ \hline \hline \hline \\ \hline \end{array}$ 

(36) Const. Truncated Domes per ICC/ANSI A117.1-2003

 $\langle 37 \rangle$  Const. 7" Thick Conc. Paving  $\begin{pmatrix} 6 \\ C4, 2 \end{pmatrix}$ 

 $\langle 39 \rangle$  Street Improvement Plan (Offsite) Boundary

 $\langle 42 \rangle$  Const. Turn Arrow & Asphalt markings per MUTCD

 $\langle 44 \rangle$  Const. 4' CMU Screen Wall  $\begin{pmatrix} 22 \\ C4.4 \end{pmatrix}$ (45) Const. Emergency Fuel Stop

 $\langle 47 \rangle$  Const. "NO PARKING" painting in capital letters, each of which shall be at least one foot high and at least two inches wide, placed at rear of the parking space so as to be close to where

an adjacent vehicles rear tire would be placed (Color; White), per 66–1–4.1B NMSA 1978

Sight Distance Triangle Landscaping and signing will not interfere with clear sight requirements. Therefore, signs, walls, trees, and shrubbery and a fact tall (as measured from the gutter pan) between 3 and 8 feet tall (as measured from the gutter pan) will not be acceptable in this area. (See Landscape Plan)

(48) Driveway Visibility Landscaping and signing will not interfere with clear sight requirements. Therefore, signs, walls, trees, and shrubbery requirements. Therefore, signs, walls, trees, and shrubbery will not be acceptable in this area. (See Landscape Plan)





Not to Scale

Legend Proposed Building Proposed Curb & Gutter

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Proposed Asphalt Proposed Concrete Existing Improvements Existing Asphalt Existing Concrete Existing Building Existing Power Pole Existing Power Pole w/ Guy

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## Legal Description

Lots numbered Two (2), Three (3), and Four (4) of the HARPER ADDITION, a Subdivision of a tract of land in School District No. 4, Albuquerque, Bernalillo County, New Mexico, as the same are shown and designated on the plat of said Subdivision, filed in the office of the County Clerk of Bernalillo County, New Mexico on December 28, 1945 in Volume D, folio 79.

Site Data

Total Site Area = 22,111 s.f. (0.51 ac.) Landscape Area Provided = 3,350 s.f. (15%) Impervious Area Provided = 18,521 s.f. (84%) Building Area = 241 s.f (1%) Canopy Area = 3,955 s.f Parking Required = 1 stalls Parking Provided = 1 stall + 1 Accessible Stall + 1 Motorcycle Stall = 3 Total

General Site Notes:

sidewalk, see detail.

- Stalls designated as Accessible will require a painted Accessible symbol and sign. (See Details)
- 2. Fire lane markings and signs to be installed as directed by the Fire Marshall.
- 3. Aisle markings, directional arrows and stop bars will be painted at each driveway as shown on the plans.
- 4. All dimensions are to back of curb unless otherwise
- notea 5. Const. curb transition at all points where curb abuts



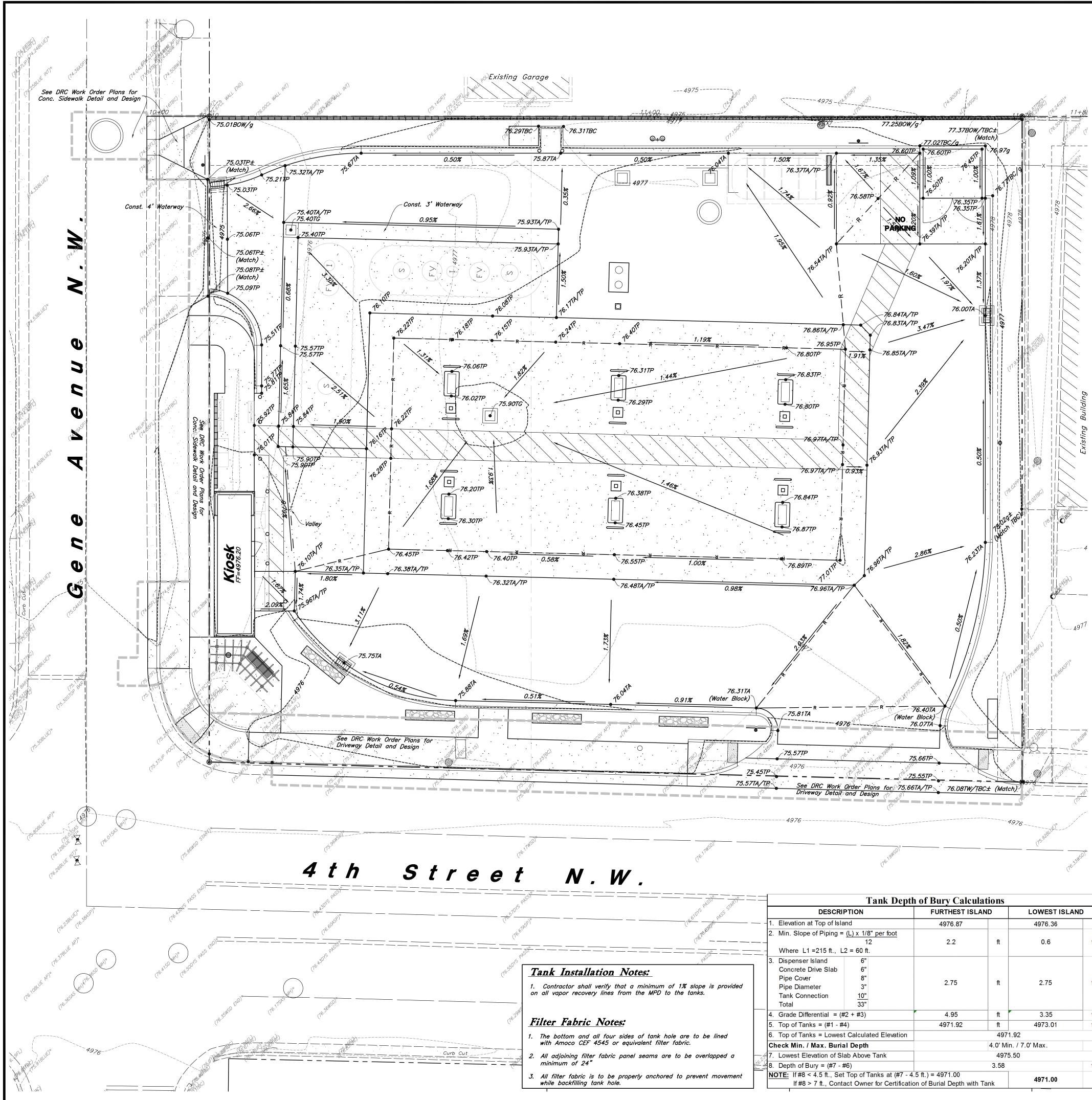




Salt Lake City, Utah 84104 Telephone (801) 974-1400

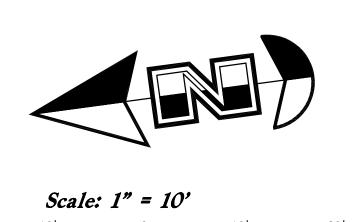


Designed by: KR Drafted by: JC Client Name: Smith's Food & Drug Stores SMC423-SP OCIATES Ä R WA DERSON ente Ü Site Fue/ culation 3 42. 5 d # ີ່ວ່ Ś Traffic Smith 26 Jan, 2016 SHEET NO. **C1.1** 



	Tank Depth	Depth of Bury Calculations		
10 <sup>15</sup> <sup>P1</sup> 255 <sup>S1<sup>r</sup></sup>	DESCRIPTION	FURTHEST ISLAND	LOWEST ISLAND	
	— –1. Elevation at Top of Island	4976.87	4976.36	
(16,70,60,00,00,00,00,00,00,00,00,00,00,00,00	2. Min. Slope of Piping = (L) x 1/8" per foot 12 Where L1 = 215 ft., L2 = 60 ft.	2.2 ft	0.6	
ank Installation Notes: Contractor shall verify that a minimum of 1% slope is provided all vapor recovery lines from the MPD to the tanks.	3. Dispenser Island     6"       Concrete Drive Slab     6"       Pipe Cover     8"       Pipe Diameter     3"       Tank Connection     10"       Total     33"	2.75 ft	2.75	
ter Fabric Notes:	4. Grade Differential = (#2 + #3) 5. Top of Tanks = (#1 - #4)	4.95 ft 4971.92 ft	3.35	
Fre bottom and all four sides of tank hole are to be lined with Amoco CEF 4545 or equivalent filter fabric.	6. Top of Tanks = Lowest Calculated Elevation	49	971.92	
All adjoining filter fabric panel seams are to be overlapped a minimum of 24"	Check Min. / Max. Burial Depth 7. Lowest Elevation of Slab Above Tank	4.0' Min. / 7.0' Max. 4975.50		
All filter fabric is to be properly anchored to prevent movement while backfilling tank hole.	8. Depth of Bury = (#7 - #6)       3.58         NOTE:       If #8 < 4.5 ft., Set Top of Tanks at (#7 - 4.5 ft.) = 4971.00			

## Accessible Note:



## General Grading Notes:

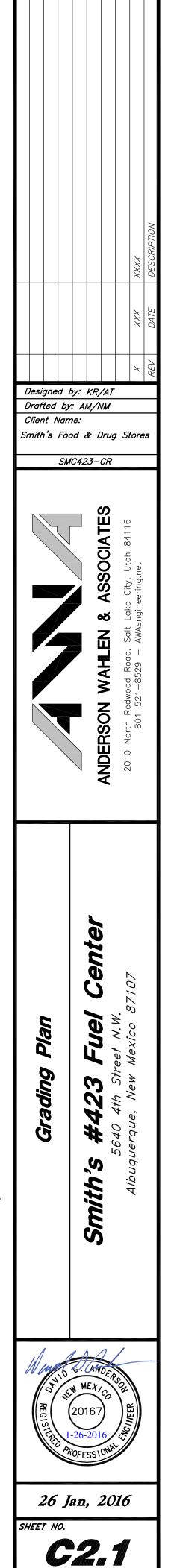
1. All grading shall be in accordance with the project geotechnical report.

- 2. Cut slopes shall be no steeper than 3 horizontal to 1 vertical. 3. Fill slopes shall be no steeper than 3 horizontal to 1 vertical.
- 4. Fills shall be compacted per the recommendations of the geotechnical report prepared for the project and shall be certified by the Owner's Special Inspection.
- 5. Areas to receive fill shall be properly prepared and approved by the Owner's Special Inspection prior to placing fill.
- 6. Fills shall be benched into competent material as per specifications and geotechnical report.
- 7. All trench backfill shall be tested and certified by the Owner's Special Inspection. 8. The Owner's Special Inspection shall perform periodic inspections and
- submit a complete report and map upon completion of the rough grading.
- 9. The final compaction report and certification from the Owner's Special Inspection shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density, whether sand cone or drive ring and shall be so noted for each test. Sufficient maximum density determinations shall be performed to verify the accuracy of the maximum density curves used by the field technician
- 10. Dust shall be controlled by watering.
- 11. The location and protection of all utilities is the responsibility of the permitee.
- 12. Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading process.
- 13. All public roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operation. Cleaning is to be done to the satisfaction of the City Engineer.
- 14. The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
- 15. The contractor shall provide shoring in accordance with OSHA requirements for trench walls.
- 16. Aggregate base shall be compacted per the geotechnical report prepared for the project.
- 17. The recommendations in the following Geotechnical Engineering Report by Kleinfelder are included in the requirements of grading and site Preparation. The Report is titled "Geological Engineering Report Proposed Smith's Food & Drug Fuel Center Retail Store #423 5640 4th Street NW Albuquerque, New Mexico"
  - Project No.: 20152711.001A Dated: October 29, 2014
- 18. As part of the construction documents, owner has provided contractor with a topographic survey performed by manual or aerial means. Such survey was prepared for project design purposes and is provided to the contractor as a courtesy. It is expressly understood that such survey may not accurately reflect existing topographic conditions.
- 19. If Contractor observes evidence of hazardous materials or contaminated soils he shall immediately contact the project engineer to provide notification and obtain direction before proceeding with disturbance of said materials or contaminated soil.
- 20. Contractor will be responsible to phase the construction development so that storm water improvements and storm water facilities including detention or retention improvement facilities are constructed and functional prior to an offsite storm water release and take necessary construction precautions so that no offsite flooding will occur.
- 21. Importing fill material from an off-site location without prior written approval from the Owner's Project Manager is strictly prohibited. Identification of offsite borrow locations and material must be coordinated and documented with the SWPPP. The Owner's Special Inspection shall verify the suitability of all off-site material. This includes an analysis to insure that no environmental contamination is present. If any material is brought on site without prior written approval of the Owner's Project Manager, the Contractor will bear all costs associated with removing the material, testing for contamination, monitoring the clean-up operation, disposal in an approved landfill, and certifying that the Owner's site is environmentally clean. If requested, the Owner's Project Manager or the Owner's Special Inspection must be granted unfettered access to any and all borrow sites.

#### Curb and Gutter Construction Notes:

- 1. Open face gutter shall be constructed where drainage is directed away from curb.
- 2. Open face gutter locations are indicated by shading and notes on the grading plan.
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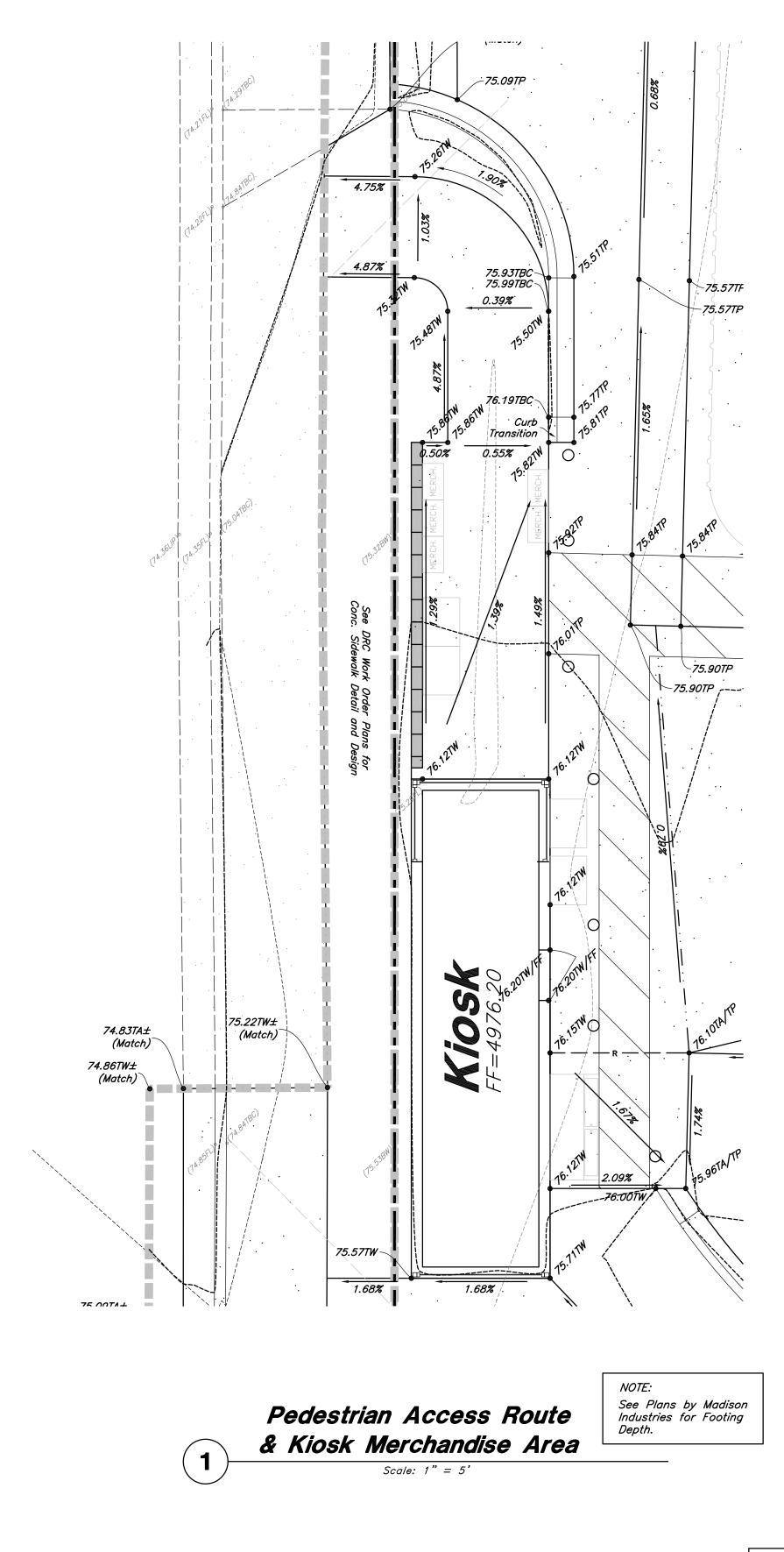
NOTE: See Plans by Madison Industries for Footing Depth.



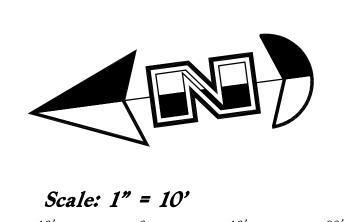
Contractor must maintain a running slope on Accessible routes no steeper than 5.0% (1:20). The cross slope for Accessible routes must be no steeper than 2.0% (1:50). All Accessible routes must have a minimum clear width of 36". If Grades on plans do not meet this requirement notify

Consultant immediately. The Client, Contractor and Subcontractor should immediately notify the Consultant of any conditions of the project that they believe do not comply with the current state of the (ICC/ANSI A117.1-Latest Edition) and/or FHAA.





Accessible Note:



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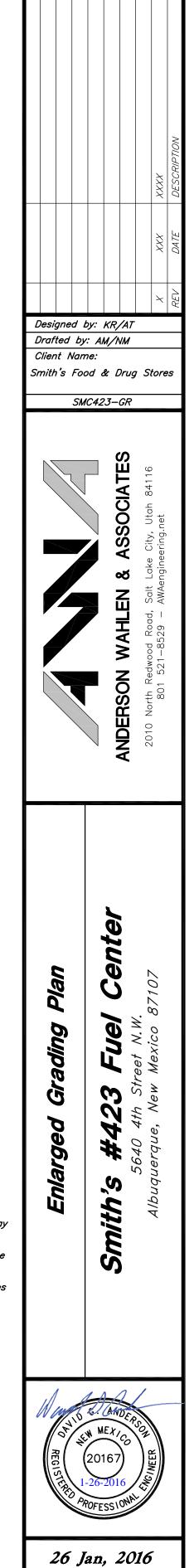
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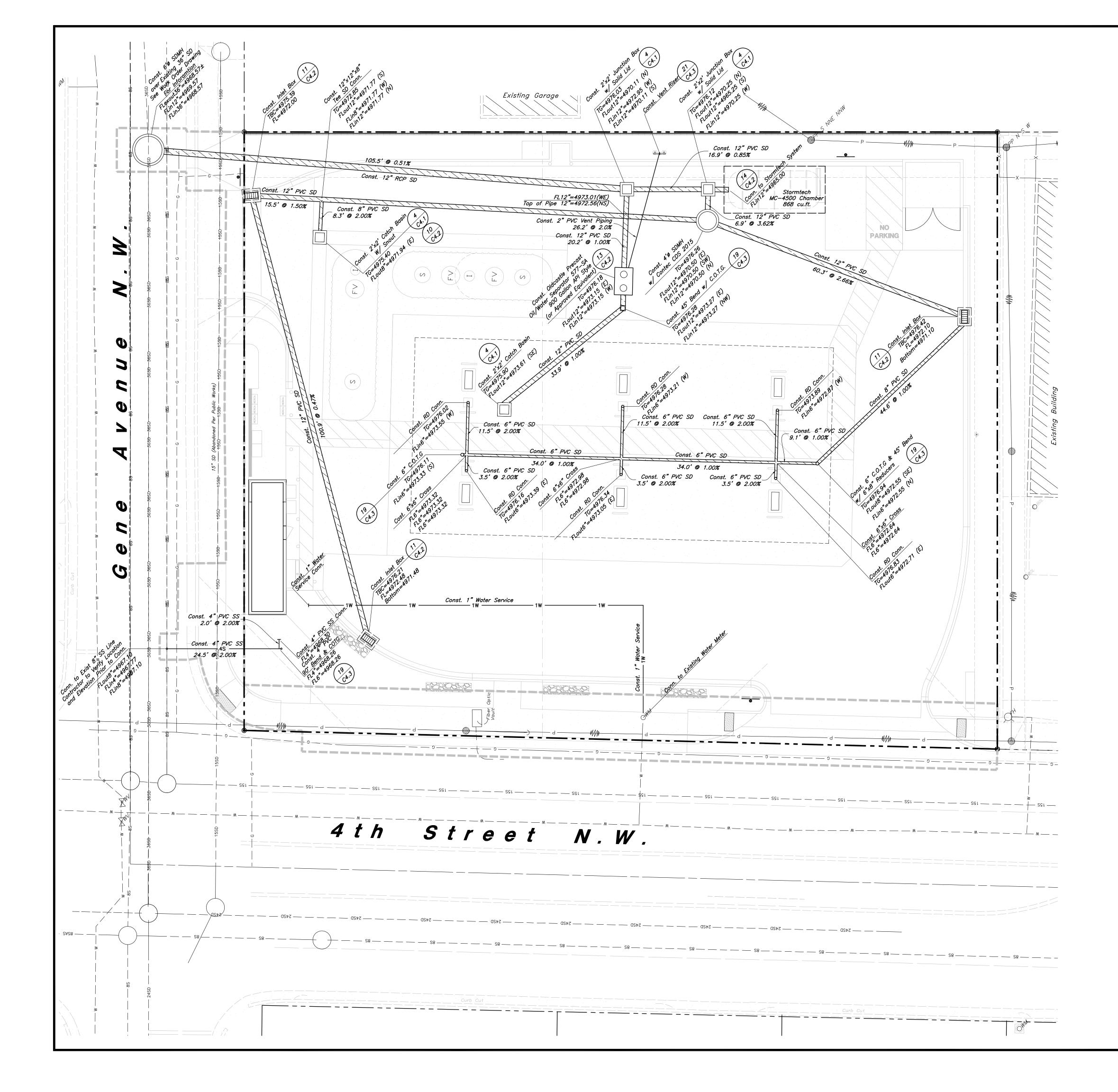


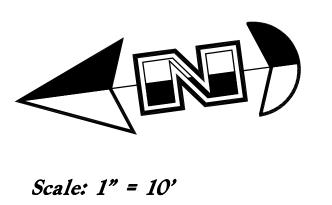
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Albuquerque, NM

SHEET NO.

*C2.2* 





## General Utility Notes:

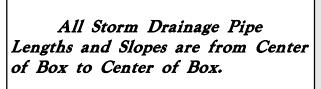
- 1. All sewer and water facilities shall be constructed per local jurisdiction standards and specifications. Contractor is responsible to obtain standards and specifications.
- 2. Coordinate all utility connections to building with plumbing plans and building contractor.
- 3. Verify depth and location of all existing utilities prior to constructing any new utility lines. Notify Civil Engineer of any discrepancies or conflicts prior to any connections being made.
- 4. All catch basin and inlet box grates are to be bicycle proof.
- 5. Refer to the site electrical plan for details and locations of electrical lines, transformers and light poles.
- 6. Gas lines, telephone lines, and cable TV lines are not a part of these plans. 7. Water meters are to be installed per city standards and specifications. It will be the contractor's responsibility to install all items required.
- 8. Water lines, valves, fire hydrants, fittings etc. are to be constructed as shown. Contractor is responsible, at no cost to the owner, to construct any vertical adjustments necessary to clear sewer, storm drain, or other utilities as necessary including valve boxes and hydrant spools to proper grade.
- 9. Contractor shall install a 12" concrete collar around all manholes, valves, catch basins, cleanouts & any other structures located within the asphalt.

### Utility Piping Materials:

All piping to be installed per manufacturers recommendations. Refer to project specifications for more detailed information regarding materials, installation, etc.

- Culinary Service Laterals
- 1. Pipe material as shown on utility plan view and/or to meet city standards. Water Main Lines and Fire Lines
- 1. Pipe material as shown on utility plan view and/or to meet city standards. Sanitary Sewer Lines
- 1. All sewer piping to be Polyvinyl Chloride (PVC) sewer pipe, ASTM D3034, Type PSM, SDR 35 Storm Drain Lines
- 1. 12" pipes or smaller D3034, Type PSM, SDR 35 Polyvinyl Chloride (PVC) sewer pipe, ASTM
- 2. 15" pipes or larger ADS High Density Polyethylene (HDPE) AASHTO M 294, Types with Smooth Interior or Equal as Approved.

Storm Drain Note:



New Mexico One Call, Inc. rofessional Resources for Damage Prevention 1-800-321-ALERT

CAUTION :

The locations and/or elevations of existing utilities as shown on these plans are based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete.



