

# ALL ABOUT OUTDOOR STORAGE

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## FACSIMILE TRANSMITTAL SHEET

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TO: Environmental Health	FROM: Kelly McKoon
COMPANY: El Paso County Public Health	DATE: 8/11/2017
FAX NUMBER: 719-578-3188	TOTAL NO. OF PAGES INCLUDING COVER: 13
PHONE NUMBER: 719-578-3199	SENDER'S REFERENCE NUMBER:
RE: RV Dump Holding Station Permit	YOUR REFERENCE NUMBER:

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URGENT    FOR REVIEW    PLEASE COMMENT    PLEASE REPLY    PLEASE RECYCLE

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### NOTES/COMMENTS:

Good Day,

I spoke with someone back in July on the best way to submit my application for a RV Dump Holding Station Permit. They suggested faxing. I can submit payment by check or major credit card. I can also send this information via email if that is better.

Please let me know if you have any questions.

Sincerely,



Kelly McKoon  
AAOS  
719-488-6629



Prevent • Promote • Protect

Environmental Health Division

1675 W. Garden of the Gods Rd., Suite 2044  
Colorado Springs, CO 80907  
(719) 578-3199 phone  
(719) 578-3188 fax  
www.elpasocountyhealth.org

**APPLICATION FOR AN ON-SITE WASTEWATER TREATMENT SYSTEM PERMIT**

**Property Information:**

Property Address: 16140 Old Denver Road City and Zip: Monument 80132  
Legal Description: See Attached Sheet  
Tax Schedule #: 7126004002 Lot size: 12 acres  
Is the property gated:  Yes  No Please provide a gate code if necessary: 72655  
Site Located Inside City Limits:  Yes  No Proposed Use:  Residential  Commercial  
Water Supply:  Well  Cistern  Municipal Potential Number of Bedrooms: 0  
Has a Conditional Acceptance Document been issued for this property:  Yes  No  Unsure

**Owner Information:**  Primary Contact

Owner: Kelly McKoon Daytime Phone: 719-488-6629  
Owners Mailing Address: PO Box 1331 Monument, CO 80132  
Email Address: kelly@rockyard.com Fax #: 719-488-0635  
General Contractor: A&E Earthworks LLC Phone/Email: 719-522-3807

**OWTS Installer Information:**  Primary Contact

System Installer: A&E Earthworks LLC Daytime Phone: 719-522-3807  
Email Address: \_\_\_\_\_ Licensed installer:  Tier 1  Tier 2

All engineer-design systems **must** be installed by a Tier 2 licensed installer

**CURRENT FEES AS APPROVED BY THE EL PASO COUNTY BOARD OF HEALTH**

All payments are due at the time of application submittal; by cash, check or major credit card (Visa / MC)

- New Permit:** \$685.00 (EPCPH Charge) + \$147.00 (EPC Planning Dept. Surcharge) + \$23.00 (CDPHE Surcharge) = **\$855.00**
- Major Repair Permit:** \$525.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = **\$548.00**
- Minor Repair Permit:** \$240.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = **\$263.00**

Permits expire one year from date of issuance, unless otherwise noted

**REQUIRED: Provide a complete written scope of work to be performed on the property.**

Installing an RV Dump Station. We need to dig a hole, put in the holding tank, install piping and Lids. Pour Concrete pad to provide proper flow to the drain hatch. The holding tank WILL NOT LEACH out but will be pumped out by a sewage pumping company (ie United Site Services)

The following documents MUST be included with your application.

- A soils report: including at least 1 soil profile excavation pit, in accordance with section 8.5 A-F of OWTS regulations
- A clear and legible design document: including the proposed and alternate locations, as well as system layout, labeled with all setbacks to pertinent structures and features in table 7-1.
- Provide directions to property, from a main highway, on the back side of application.

Failure to provide the above listed documents may result in denial of the permit application

I certify that the information provided on this application is in compliance with Section 8.3, Chapter 8 of the On-site Wastewater System (OWS) Regulations of the El Paso County Board of Health. I also authorize the assigned representative of El Paso County Public Health to enter onto this property in order to obtain information necessary for the issuance of a permit.

Applicant Signature: [Signature] Date: 08/11/2017

- Property address or lot number must be clearly marked and visible from the road.
- Profile excavation test pit and/or soil profile holes must be clearly marked
- Proposed and alternate soil treatment areas must be protected from compaction and disturbance
- Locked gates require the gate code or lock combination be provided on front of application
- Please provide directions to the property from a main highway, by text or picture, below.

Take I-25 north to the Baptist Exit (Exit 158). Go west over the bridge on Baptist. Take a right at the round-a-bout, this is Old Denver Road. The address is 16140 Old Denver Road. It's the second drive-way, about 3/4 of a mile on the left hand side.

*Failure to comply with the above information may result in an additional charge for a return trip.*

Permit #: \_\_\_\_\_ Site Inspection date: \_\_\_\_\_

Date Approvals Rcvd: Development Services: \_\_\_\_\_ Floodplain/enumerations: \_\_\_\_\_

Design:  Conventional  Engineer Design Engineer: \_\_\_\_\_

Engineer Job #: \_\_\_\_\_ Engineer Date Stamped: \_\_\_\_\_

LTAR/Soil Type: \_\_\_\_\_ Groundwater: \_\_\_\_\_ PP1/ \_\_\_\_\_ PP2 Bedrock: \_\_\_\_\_ PP1/ \_\_\_\_\_ PP2

Minimum Requirements: Tank Capacity: \_\_\_\_\_ Soil Treatment Area: \_\_\_\_\_

System Feed:  Gravity  Pump to Gravity  Pressure Dosed  Other: \_\_\_\_\_

System Media:  Chambers  Rock and Pipe  Other Soil Treatment Area:  Trenches  Bed

Additional Comments: \_\_\_\_\_

E.H. Specialist: \_\_\_\_\_ Date: \_\_\_\_\_  Approved  Denied

(Date)  
\_\_16140 Old Denver Rd, Monument, Co 80132\_\_\_\_.  
(Address)

**Legal Description:** \_

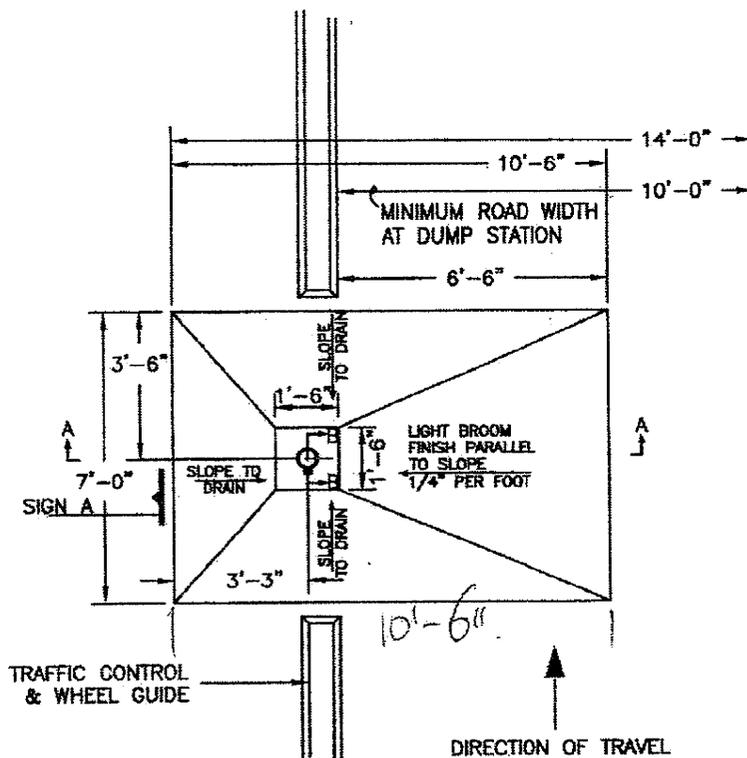
TRACT IN NW4 SEC 26-11-67 AS FOLS; BEG AT NW COR OF  
SEC 26, TH S 89<26'15" E ALG N LN 1338.10 FT TO NE  
COR OF NW4NW4 OF SD SEC, CONT ON N LN 842.10 FT TO  
INTSEC WLY R/W LN OF CO RD, S 8<42'55" E ALG R/W LN  
499.95 FT, S 19<43'54" E ALG R/W LN 235.37 FT,  
S 7<33'02" E ALG R/W LN 882.60 FT FOR POB, CONT  
430.0 FT, S 83<04'31" W 1134.91 FT TO INTSEC E R/W  
LN OF D + RGW RR, S 1<07'16" E ALG R/W LN 141.70 FT,  
N 21<14' W ALG R/W LN 575.44 FT, TH N 82<26'58" E  
1289.94 FT TO POB

**Builder/Owner:** Lewis A Williams

**HOLDING TANK DISPOSAL INSTRUCTIONS**

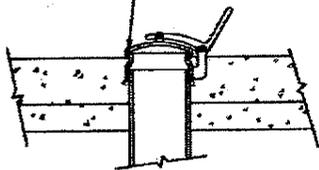
CONNECT HOSE TO HOLDING TANK—PLACE END SECURELY IN DRAIN OPENING WHILE HOLDING COVER OPEN WITH FOOT—OPEN TRAILER TANK VALVE—FLUSH TANK WITH WATER HOSE—FLUSH AWAY ANY SPILLAGE IN TO DRAIN.

**SIGN "A"**



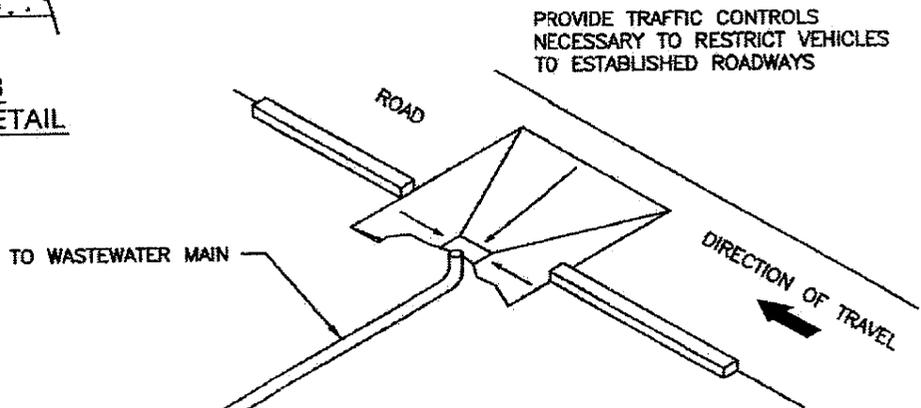
**PLAN VIEW**

POUR TO LIP OF HATCH TO ALLOW EASY WASH-DOWN OF CONCRETE PAD



**SECTION B-B DRAIN HATCH-DETAIL**

PROVIDE TRAFFIC CONTROLS NECESSARY TO RESTRICT VEHICLES TO ESTABLISHED ROADWAYS



**SCHEMATIC VIEW**

**NOTES:**

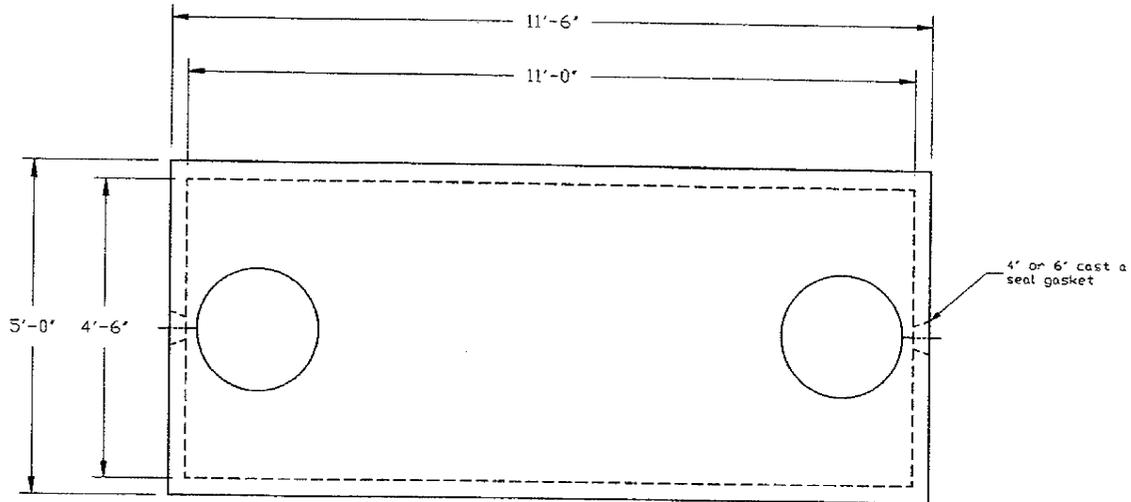
1. WITH APPROVAL OF COLORADO SPRINGS UTILITIES.



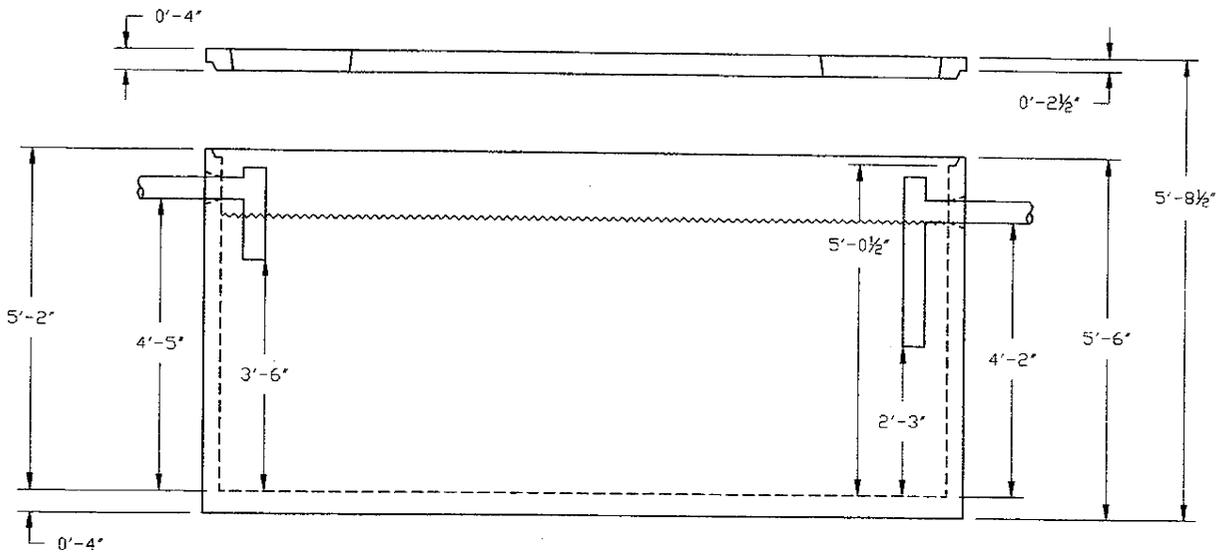
RECREATIONAL VEHICLE  
SEWAGE DUMP STATION

D1-13

DATED 5/2015



PLAN VIEW



SIDE VIEW

NOTES:

1. Cement shall be Holcim Type IP conforming to ASTM 595.
2. Concrete shall average 4000 PSI minimum at 28 days.
3. Steel welded wire fabric shall have a 1" minimum clearance. Wire fabric shall conform to ASTM A-185.
4. All reinforcing steel shall have a minimum yield strength of 60,000 PSI.
5. Joints shall be sealed with 3/4" preformed butyl joint sealant.

**BOUGHTON'S PRECAST, INC.**  
 1724 Aspen Circle Pueblo, Colorado  
 Phone: (719)545-3263 Fax: (719)545-3269

PROJECT:	Scale: none	Date: 01/01/17	Page: 1 of 1	1500 Gallon Single Compartment Tank
		weight 12,900 lbs.		
CONTRACTOR:				





# **VIVID Engineering Group, Inc.**

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1053 Elkton Drive, Colorado Springs, CO 80907

**July 21, 2017**

Kelly McKoon  
All About Outdoor Storage, LLC  
16140 Old Denver Road  
Monument, Colorado 80132  
[kelly@rrockyard.com](mailto:kelly@rrockyard.com)

**Subject:** Holding Tank Excavation Observation

**Project:** Proposed Underground Holding Tank, 16140 Old Denver Road, Monument, Colorado

**Project No:** D17-2-057

Dear Ms. McKoon:

Vivid Engineering Group, Inc. (VIVID) has completed a subgrade evaluation for the proposed underground holding tank to be installed at 16140 Old Denver Road in Monument, Colorado. The approximate location of the site is shown on Figure 1 attached to this letter. This letter transmits our results.

## **FIELD INVESTIGATION**

The field investigation was performed on July 19, 2017. The holding tank excavation was performed by the All About Outdoor Storage excavation subcontractor. VIVID's investigation consisted of evaluating the proposed holding tank excavation and obtaining samples of subgrade soils from the tank location. The approximate location of the holding tank is presented on the Site Plan in Figure 2 attached to this letter.

## **SUBGRADE CONDITIONS**

The subgrade soils encountered at the location of the holding tank consisted of dark to light brown well graded sand with silt and some gravel that classified as SW-SM per the Unified Soil Classification System. Neither groundwater or bedrock was encountered in the excavation. The subgrade soils encountered provide good foundation support characteristics.

## LABORATORY TESTING

Samples of the subgrade materials were obtained and geotechnical laboratory testing was conducted and included determination of soil gradation and moisture content. Results of the geotechnical laboratory testing are presented in Attachment A.

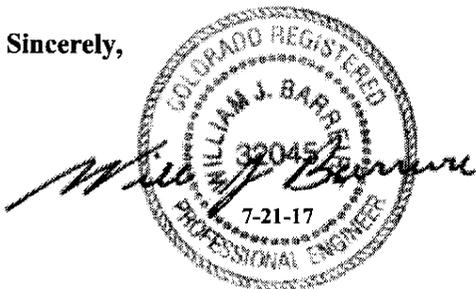
## LIMITATIONS

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of VIVID's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions and opinions are based on a limited number of observations and data. Data or conclusions presented herein apply to the specific test location only. It is likely that subsurface conditions will vary somewhat beyond the locations investigated. VIVID makes no other representation, guarantee, or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

## CLOSING

We appreciate this opportunity to serve you, and we look forward to working with you again. Should you have any questions concerning this report, please contact Bill Barreire at 719.491.2292 or [wbarreire@vivideg.com](mailto:wbarreire@vivideg.com).

Sincerely,



**William (Bill) J. Barreire, PE**  
Senior Geotechnical Engineer



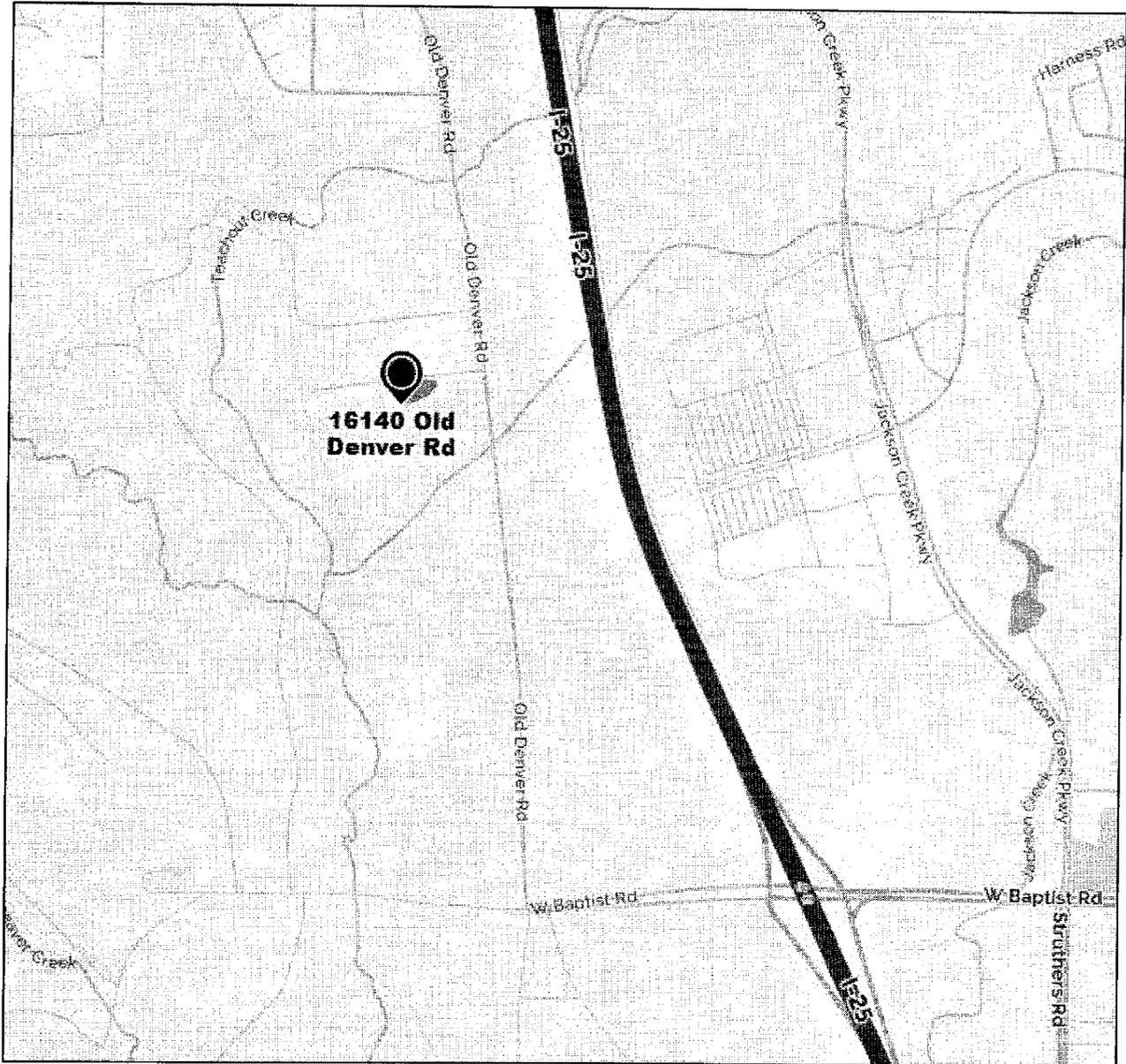
**Brysen T. Mustain, PG**  
Project Geologist

FIGURE 1 –VICINITY MAP

FIGURE 2 – SITE PLAN

ATTACHMENTS:

A – GEOTECHNICAL LABORATORY TEST RESULTS



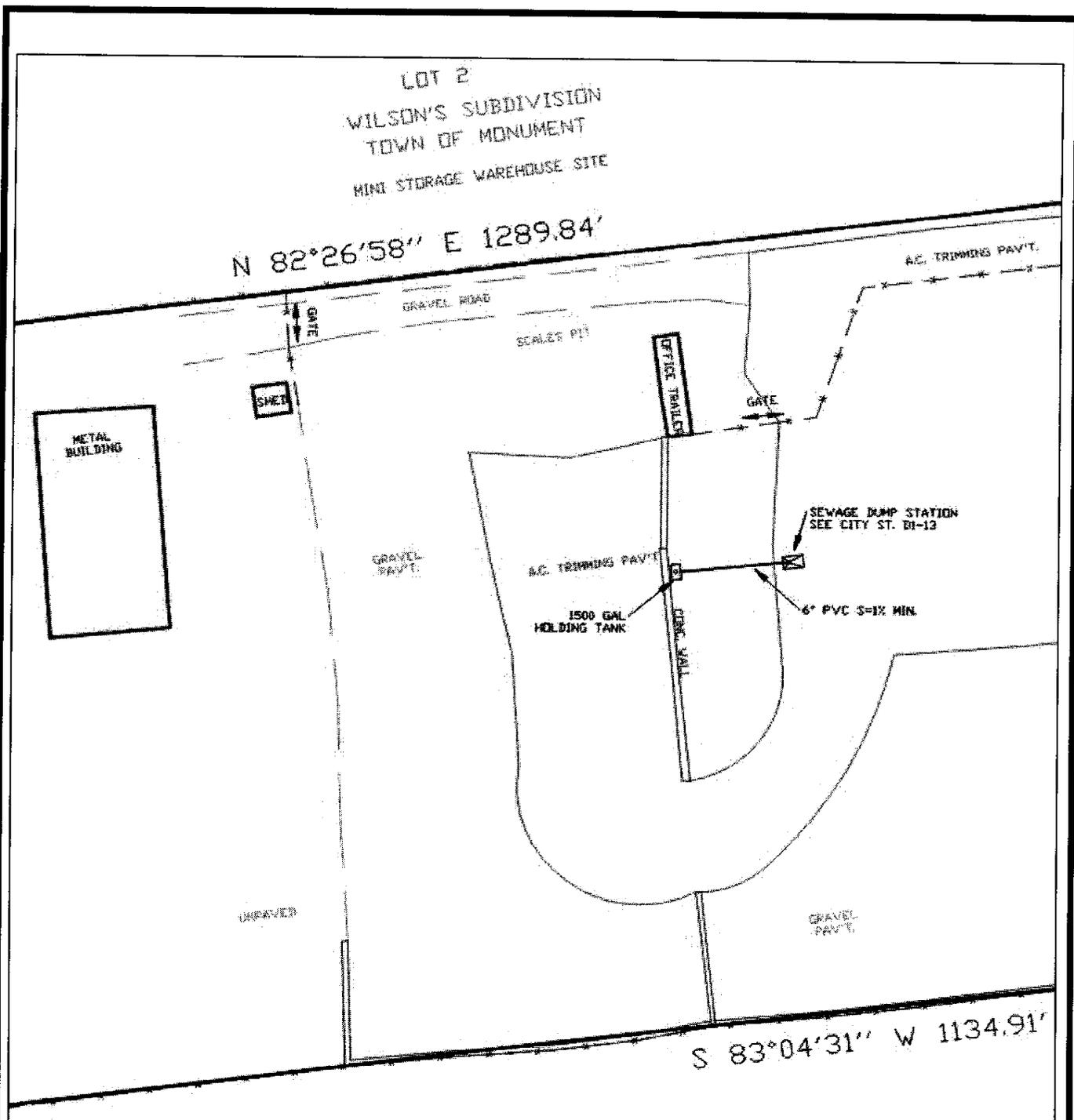
Base Drawing Obtained from [www.mapquest.com](http://www.mapquest.com), 2017.



Project No: D17-2-057  
 Date: July 21, 2017  
 Drawn by: BTM  
 Reviewed by: WJB

**Vicinity Map**  
 All About Outdoor Storage  
 16140 Old Denver Road  
 Monument, Colorado

Figure  
 1



Not to Scale  
 Base image provided by All About Outdoor Storage LLC, July 11, 2017.



	Project No: D17-2-057	<b>SITE PLAN</b>	Figure <b>2</b>
	Date: July 21, 2017		
	Drawn by: BTM	All About Outdoor Storage 16140 Old Denver Road Monument, Colorado	
	Reviewed by: WJB		

**ATTACHMENT A**  
**GEOTECHNICAL LABORATORY TEST RESULTS**

Exploration ID	Depth (ft.)	Sample Description	Water Content (%)	Sieve Analysis (%)			Atterberg Limits		
				Passing #20	Passing #40	Passing #200	Liquid Limit	Plastic Limit	Plasticity Index
TP-1	0-7	SW-SM	4.9	100	88	9.1	NV	NP	NP

**Notes:**

NV = No Value

NP = Non-Plastic



Project No: D17-2-057

Date: July 21, 2017

Drawn by: BTM

Reviewed by: WJB

**Laboratory Test Results Summary**

All About Outdoor Storage  
 16140 Old Denver Road  
 Monument, Colorado

Table

A-1