

**CONVENTIONAL ON-SITE WASTEWATER TREATMENT SYSTEM
FINAL INSPECTION FORM**

P

On-site ID: ON0049878

Tax schedule (APN) #: 6108009002

Permit Type: New

Environmental Health Specialist: Phil Cavinta

Final Inspection Date: 8.1.2019

Approved: Yes

Residential Property Information:

Owner: Trusted Trim & Woodwork LLC

Address: 19145 Royal Troon Dr Monument, CO 80132

Approved No. Bedrooms: 5

Water supply: Well

Well Installation verified: 8.1.2019

Well Location GPS: 39° 6' 44" N, 104° 47' 58" W

Approval will be revoked if in the future any well is found to be within 50 feet of the septic tank and/or 100 feet of the soil treatment area.

Minimum System Requirements:

Soil (in-situ) Type 2A

LTAR (In-situ soil): 0.5

Limiting Layer:

Groundwater: none

Bedrock: none

OWTS Tank:

Capacity (gallons): 1500

OWTS Pump Tank:

Capacity (gallons): N/A

Soil Treatment Area (STA):

Sq. Ft. (10-1): 1200

Sq. Ft. (10-2): 1200

Sq. Ft. (10-3): 840

Sq. Ft. (with Diverter Valve): N/A

Final system installation:

Licensed Installer: Tier II

Installer: Kunau Drilling

Treatment Level: 1

OWTS Tank: GPS Location: 39° 6' 43" N, 104° 47' 57" W

Tank Type: New Concrete

Capacity (gallon): 1500

OWTS Pump Tank:

Tank Type: None

Capacity (gallon): N/A

Audio/Visual Alarm: N/A

OWTS Pump: N/A

Soil Treatment Area (STA): GPS Location: 39° 6' 43" N, 104° 47' 57" W

Total Sq. Ft installed: 2,666 *811*

Configuration: Trench

Distribution: Gravity

Distribution Media: Chambers

Infiltrative Surface Depth: 22"

Distribution Area Length: 56'

Distribution Area Width: 47' 6"

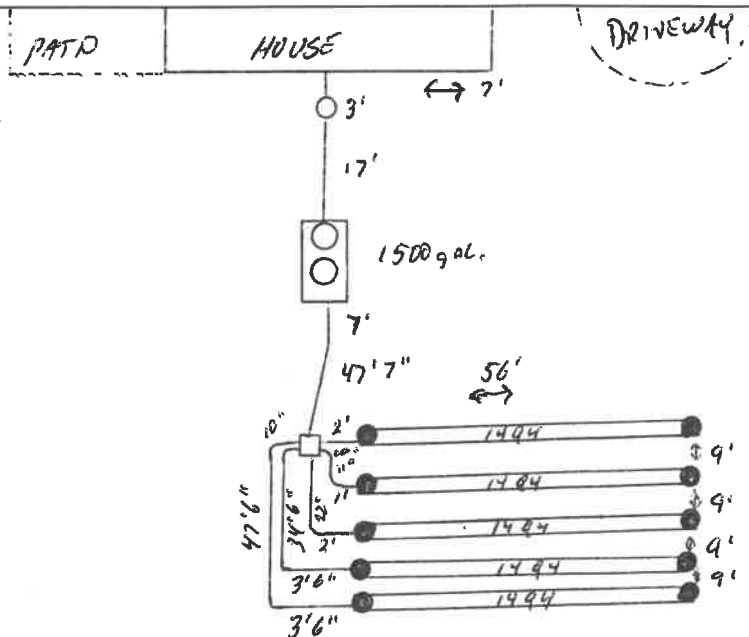
Media Type: Q4 Chambers (12 sq/ft)

Total installed: 70 *Chambers*

Notes:

WELL 7100' FROM STA & SEPTIC TANK

↑ N
TANK GPS
39° 6' 43" N
104° 47' 57" W
WELL GPS
39° 6' 44" N
104° 47' 58" W
STA GPS
39° 6' 43" N
104° 47' 57" W



*SCHEDULE 40 PIP
-2% GRADE
22" DEPTH OF TRENCH*

Notify Environmental Health of any change of ownership, type of business activity, business name, or billing address by calling (719) 578-3199. Failure to notify Environmental Health may result in late penalties, Permit/License denial or revocation, and business closure. PERMITS/LICENSES TO OPERATE AND ANNUAL FEE PAYMENTS ARE NOT TRANSFERABLE. Permits become void on change of ownership. New owners must apply and pay for a new Permit(s)/License(s) prior to beginning operation.

Attn: TRUSTED TRIM AND WOODWORK
LLC
19145 ROYAL TROON DR
MONUMENT, CO 80132



**EL PASO COUNTY PUBLIC HEALTH
ENVIRONMENTAL HEALTH DIVISION**
1675 W. GARDEN OF THE GODS ROAD, SUITE 2044
COLORADO SPRINGS, CO 80907
PHONE: (719) 578-3199 FAX: (719) 578-3188
www.elpasocountyhealth.org

NEW SYSTEM PERMIT - OWTS

Valid From 12/5/2018 To 12/5/2019

PERMITEE : **TRUSTED TRIM AND WOODWORK LLC**
19145 ROYAL TROON DR
MONUMENT, CO 80132

OWNER NAME : **TRUSTED TRIM AND WOODWORK LLC**

Onsite ID: ON0049878
Tax Schedule # : 6108009002
Permit Issue Date: 12/05/2018
Dwelling Type: RESIDENTIAL
of Bedrooms (if Res): 5
Proposed Use (if Comm):
Designed Gallons/Day:
Water Source: PRIVATE WELL

System Installation Requirements:

- System installation includes gravity fed system with d-box to chamber in trenches, max installation depth of 26" due to a limiting layer of soil type 3A at 74". Minimum tank requirements 1500 gallon and 840 sq ft of soil treatment area (70 Q4 / 56 Arc 36 chambers required).
- The system must be installed per approved design document signed and dated 11.29.2018, changes to the approved design document must be submitted and approved by Public Health prior to installation.
- All horizontal setbacks must be maintained through system installation. In addition system must remain completely uncovered, including the tank size, for final inspection.
- The well must be installed at time of final inspection, or final approval will not be given until well installation is verified.
- Ensure that all work is completed prior to contacting and requesting final line for inspection, otherwise additional fees may be incurred.

For questions, call Bex: 352-1846

This permit is issued in accordance with 25-10-106 Colorado Revised Statutes. The PERMIT EXPIRES upon completion/installation of the Onsite Wastewater Treatment System, or at the end of twelve (12) months from date of issue, whichever occurs first. If both a Building Permit and an Onsite Wastewater Treatment System Permit are issued for the same property and construction has not commenced prior to the expiration date of the Building Permit, the Onsite Wastewater Permit shall expire at the same time as the Building Permit. This permit is revocable if all stated requirements are not met. The Onsite Wastewater Treatment System must be installed by an El Paso County Licensed System Contractor, or the property owner.

The Health Officer shall assume no responsibility in case of failure or inadequacy of an Onsite Wastewater Treatment System, beyond consulting in good faith with the property owner or representative. Access to the property shall be authorized at reasonable time for the purpose of making such inspections as are necessary to determine compliance with the requirements of this law (permit).

Inspection request line: Call (719) 575-8699 before 3:30 p.m. the business day prior to the requested inspection date.

Bex Patis, R.S.

SB0010708 AB0014750 ON0049878

APPLICATION FOR AN ON-SITE WASTEWATER TREATMENT SYSTEM PERMIT

Property Information:

Property Address: 19145 ROYAL TROON DR City and Zip: MONUMENT, CO. 80132

Legal Description: LOT 23 FILLUG 2 KINGS DEER HIGHLAND SUBDIVISION

Tax Schedule #: 610 800 900 2 Lot size: 2.53 ACRES

Is the property gated: Yes No Please provide a gate code if necessary: _____

Site Located Inside City Limits: Yes No Proposed Use: Residential Commercial

Water Supply: Well Cistern Municipal Potential Number of Bedrooms: 5

Has a Conditional Acceptance Document been issued for this property: Yes No Unsure

Owner Information: Primary Contact

Owner: TRUSTED TRIM & WOODWORK LLC Daytime Phone: 719-238-4917

Owners Mailing Address: _____

Email Address: 1543 PAVONIA ST. Fax #: _____

General Contractor: MOELLER HOMES LLC Phone/Email: 719-205-6556
roger@moellerhomes.com

OWTS Installer Information: Primary Contact

System Installer: KUNA DRILLING Daytime Phone: 719-683-3720

Email Address: KUNADRILLING@aol.com 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: \$750.00 (EPCPH Charge) + \$147.00 (EPC Planning Dept. Surcharge) + \$23.00 (CDPHE Surcharge) = \$920.00

Major Repair Permit: \$535.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = \$558.00

Minor Repair Permit: \$245.00 (EPCPH Charge) + \$23.00 (CDPHE Surcharge) = \$268.00

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.

INSTALLATION OF CONVENTIONAL SEPTIC SYSTEM (NEW) WITH 1500 GALLON
TANK AND 70 CHAMBERS AS PER SKETCH AND PROFILE AT
EVALUATION BY GEOQUEST, LLC.

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.

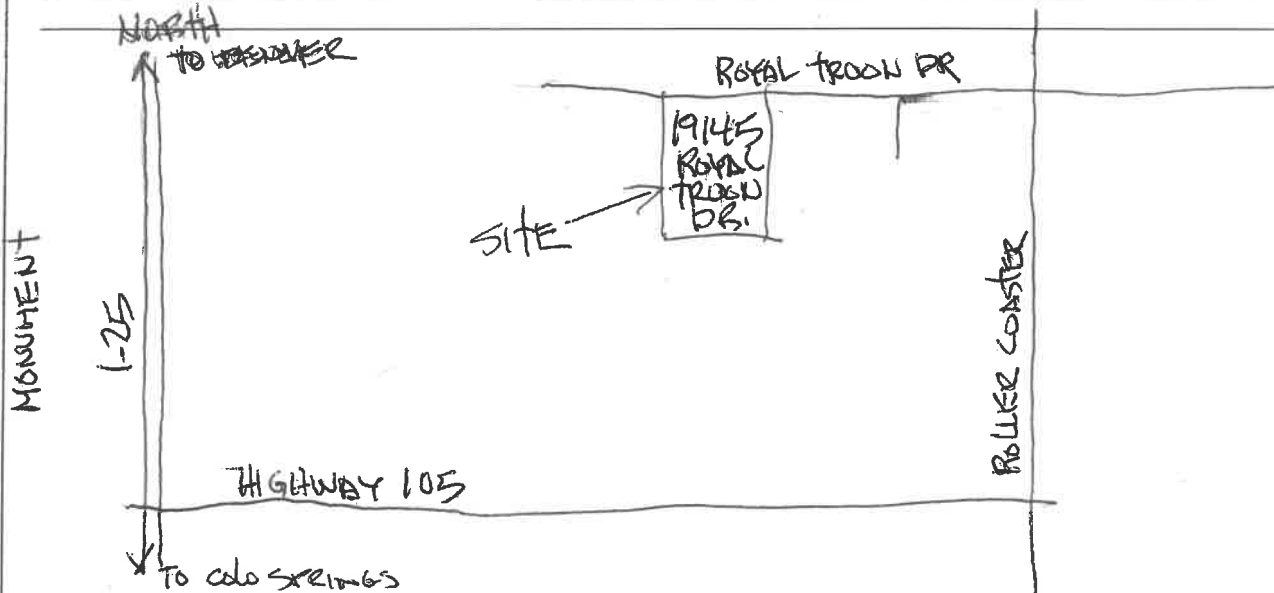
Failure to provide the above listed documents may result in denial of the permit application

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: 11-29-2018

Box

- 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.



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

Permit #: ON0049878 Site Inspection date: 11/29/18

Date Approvals Rcvd: Development Services: 11/30 Floodplain/enumerations: 12/3

Design: Conventional Engineer Design Engineer: _____

Engineer Job #: _____ Engineer Date Stamped: October 2, 2018

LTAR/Soil Type: 0.5 / Type 2A Groundwater: PP1/ PP2 Bedrock: PP1/ PP2

Minimum Requirements: Tank Capacity: 1500 Soil Treatment Area: 840

System Feed: Gravity Pump to Gravity Pressure Dosed Other: _____

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

Additional Comments: $600 / 0.5 = 1200 (1) = 1200 (0.7) = 840$ (700 gal / 56 ac 36)
Limiting layer at 24", No deeper than 26"

E.H. Specialist: Bere Ross, R.S. Date: 12/5/18 Approved Denied



E
ON 0049878
6108009002
FINAL-8-1-19

6825 Silver Ponds Heights #101
Colorado Springs, CO 80908
(719) 481-4560

PROFILE PIT EVALUATION

FOR

MOELLER HOMES

JOB #18-0866

Lot #23, Filing #2,
Kings Deer Highland Subdivision,
19145 Royal Troon Drive,
El Paso County,
Colorado

Sincerely,


Charles E. Milligan, P.E.
Civil Engineer



By 11/29

PROFILE PIT FINDINGS

Enclosed are the results of the profile pit for the septic system to be installed at **Lot #23, Filing #2, Kings Deer Highland Subdivision, 19145 Royal Troon Drive, El Paso County, Colorado**. The location of the test pit was determined by Moeller Homes. The residence will not be on a public water system. The number of bedrooms in the design for the residence is unknown. Due to the natural slope of the property, the entire system will feed to the southeast at approximately 5% at least 20 feet. All applicable portions of the El Paso County Health Department Onsite Wastewater Treatment System Regulations (OWTS) must be complied with for the installation of the treatment system.

The inspection was performed on September 10, 2018, in accordance with Table 10-1 of the E.P.C.P.H. OWTS Regulations.

Soil Profile #1:

- 0 to 8" - Topsoil- loam, organic composition.
- 8" to 81" - USDA soil texture sandy loam, soil type 2A, structure shape granular, structure grade 1, non-cemented, LTAR 0.50, brown yellow in color, 10YR 6/6.
- 81" to 8' - USDA soil texture sandy clay loam, soil type 3A, structure shape blocky, structure grade 1, non-cemented, LTAR 0.30, light yellowish brown in color, 2.5Y 6/4, redoximorphic features at 81 inches.

Soil Profile #2:

- 0 to 8" - Topsoil- loam, organic composition.
- 8" to 74" - USDA soil texture sandy loam, soil type 2A, structure shape granular, structure grade 1, non-cemented, LTAR 0.50, yellowish brown in color, 10YR 5/6.
- 74" to 8' - USDA soil texture sandy clay loam, soil type 3A, structure shape blocky, structure grade 1, non-cemented, LTAR 0.30, light olive brown in color, 2.5Y 5/4, redoximorphic features at 74 inches.

Groundwater evidence was encountered at the depth of 81 inches in Profile Pit #1 and 74 inches in Profile Pit #2 during the inspection. Bedrock was not encountered during the inspection. No known wells were observed within 100 feet of the proposed system. **All setbacks shall conform to county regulations.**

Due to encountering USDA soil type 2A, the septic system to be installed on this site need not be designed by a Colorado Licensed Engineer. A conventional septic system is approved for this site. Based on the observed conditions, we feel a design based on an LTAR of 0.50, GPD/SF (USDA 2A, treatment soil, treatment level 1) is reasonable. Maximum depth of the installation shall be not deeper than 26 inches below existing grade.

If during construction of the field itself, subsurface conditions change considerably or if the location of the proposed field changes, this office shall be notified to determine whether the conditions are adequate for the system as designed or whether a new system needs to be designed.

Weather conditions at the time of the test consisted of mostly cloudy skies with hot temperatures.

BP 11/29

PROFILE PIT LOG - Profile Pit #1

JOB#: 18-0866
 DATE EVALUATED: 10 Sep 2018
 EQUIPMENT USED: MINI-EXCAVATOR

0"-8" **TOPSOIL**

Loam
 Organic Composition

8"- 81" **Sand**

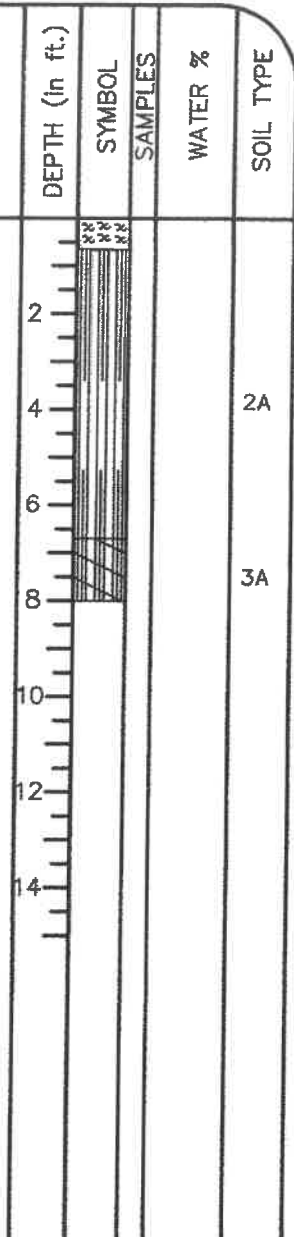
Fine-coarse Grained
 Low-moderate Density
 Moderate Moisture Content
 Low-moderate Clay Content
 Low-moderate Cohesion
 Low-moderate Plasticity
 Brown Yellow Color
 10YR 6/6

USDA Soil Texture: Sandy Loam
 USDA Soil Type: 2A
 USDA Structure Shape: Granular
 USDA Structure Grade: 1
 Cementation Class: Non-cemented
 Long Term Acceptance Rate (LTAR, Treatment Level 1):0.50

81"- 8' **Clayey Sand**

Fine-coarse Grained
 Moderate Density
 Moderate Moisture Content
 Moderate Clay Content
 Low-moderate Cohesion
 Low-moderate Plasticity
 Light Yellowish Brown Color
 2.5Y 6/4

USDA Soil Texture: Sandy Clay Loam
 USDA Soil Type: 3A
 USDA Structure Shape: Blocky
 USDA Structure Grade: 1
 Cementation Class: Non-cemented
 Long Term Acceptance Rate (LTAR, Treatment Level 1):0.30
 Redox @ 81"



By 11/29

LTAR to be Used for OWTS Sizing: 0.50GPD/SF (USDA Type 2A, Treatment soil, Treatment Level 1)
Depth to Groundwater (Permanent or Seasonal): Seasonal @ 81"
Depth to Bedrock and Type: Not Encountered
Depth to Proposed Infiltrative Surface from Ground Surface: Max Depth 26" (Gravity Fed)
Soil Treatment Area Slope and Direction: SE @ 5%

Note: See El Paso County Board of Health Regulation Chapter 8: On-Site Wastewater Treatments Systems (OWTS) Regulations for Additional Information. Refer to Table 10-1 for Corresponding LTAR if Treatment Level 2, 2N, 3, or 3N will be Implemented in the Design of the OWTS. System Sizing Depends on a Number of Factors (i.e. LTAR, # of Bedrooms, Type of Soil Treatment Area (STA), Method of Transfer to the STA (Gravity, Dosed, or Pressure Dosed), and Type of Storage / Distribution Media Used in the STA)

Project: 18-0866
 Sheet: 1 of 2
 Date: 24 Sep 2018
 Scale: 1/4" = 1'
 Drawn by: mtj
 Checked by: cem

Project Name and Address

Moeller Homes

19145 Royal Troon Dr
 Lot 23 Filing 2
 King Deer Highland
 Sch. No. 6108009002
 El Paso County, Colorado

GEOQUEST, LLC.

6825 SILVER PONDS HEIGHTS
 SUITE 101
 COLORADO SPRINGS, CO
 80908

OFFICE: (719) 481-4560
 FAX: (719) 481-9204

PROFILE PIT LOG - Profile Pit #2

JOB#: 18-0866
 DATE EVALUATED: 10 Sep 2018
 EQUIPMENT USED: MINI-EXCAVATOR

0"-8" TOPSOIL

Loam
 Organic Composition

8"- 74" Sand

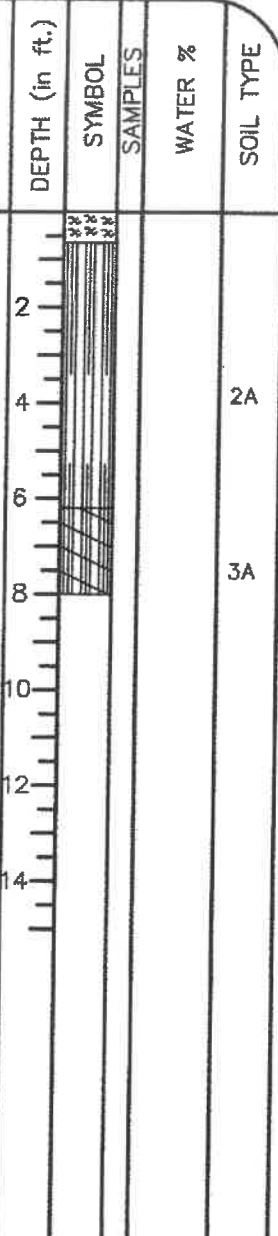
Fine-coarse Grained
 Low-moderate Density
 Moderate Moisture Content
 Low-moderate Clay Content
 Low-moderate Cohesion
 Low-moderate Plasticity
 Yellowish Brown Color
 10YR 5/6

USDA Soil Texture: Sandy Loam
 USDA Soil Type: 2A
 USDA Structure Shape: Granular
 USDA Structure Grade: 1
 Cementation Class: Non-cemented
 Long Term Acceptance Rate (LTAR, Treatment Level 1):0.50

74"- 8' Clayey Sand

Fine-coarse Grained
 Moderate Density
 Moderate Moisture Content
 Moderate Clay Content
 Low-moderate Cohesion
 Low-moderate Plasticity
 Light Olive Brown Color
 2.5Y 5/4

USDA Soil Texture: Sandy Clay Loam
 USDA Soil Type: 3A
 USDA Structure Shape: Blocky
 USDA Structure Grade: 1
 Cementation Class: Non-cemented
 Long Term Acceptance Rate (LTAR, Treatment Level 1):0.30
 Redox @ 74"



Bp 11/29

LTAR to be Used for OWTS Sizing: 0.50GPD/SF (USDA Type 2A, Treatment soil, Treatment Level 1)
Depth to Groundwater (Permanent or Seasonal): Seasonal @ 74"
Depth to Bedrock and Type: Not Encountered
Depth to Proposed Infiltrative Surface from Ground Surface: Max Depth 26" (Gravity Fed)
Soil Treatment Area Slope and Direction: SE @ 5%

Note: See El Paso County Board of Health Regulation Chapter 8: On-Site Wastewater Treatments Systems (OWTS) Regulations for Additional Information. Refer to Table 10-1 for Corresponding LTAR if Treatment Level 2, 2N, 3, or 3N will be Implemented in the Design of the OWTS. System Sizing Depends on a Number of Factors (i.e. LTAR, # of Bedrooms, Type of Soil Treatment Area (STA), Method of Transfer to the STA (Gravity, Dosed, or Pressure Dosed), and Type of Storage / Distribution Media Used in the STA)

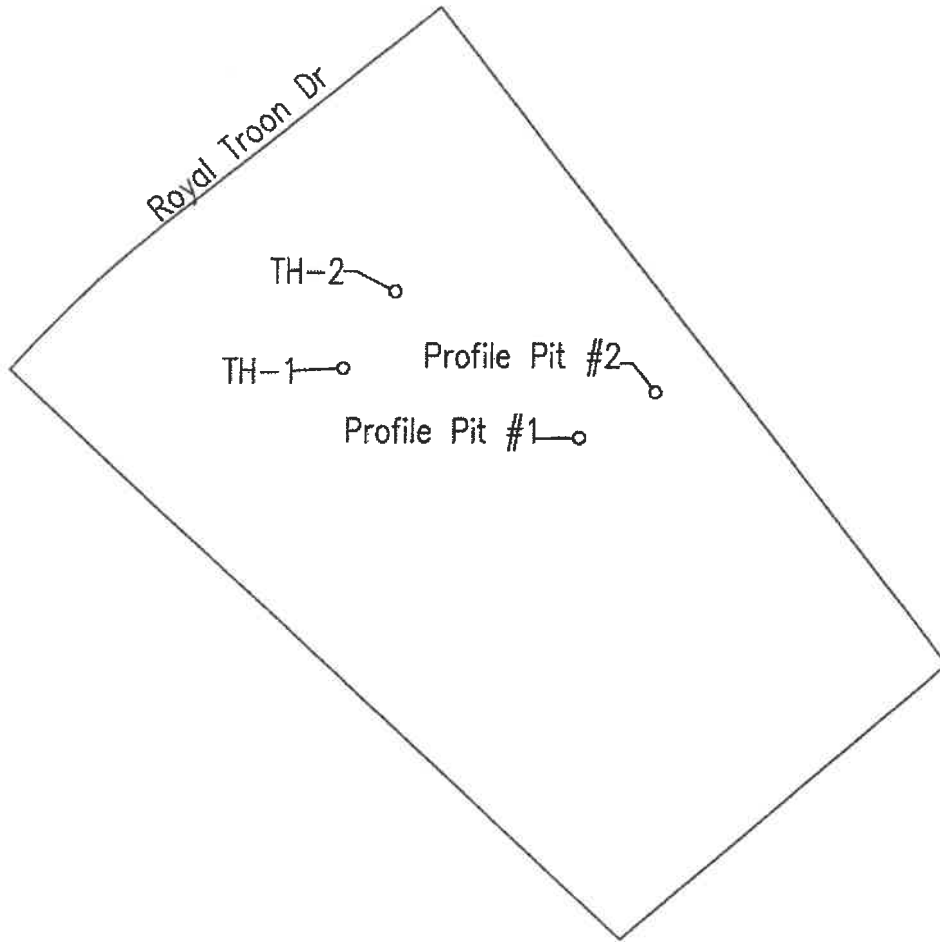
Project: 18-0866	Project Name and Address
Sheet: 2 of 2	
Date: 24 Sep 2018	Moeller Homes 19145 Royal Troon Dr Lot 23 Filing 2 King Deer Highland Sch. No. 6108009002 El Paso County, Colorado
Scale: 1/4" = 1'	
Drawn by: mtj	
Checked by: cem	

GEOQUEST, LLC.	
6825 SILVER PONDS HEIGHTS SUITE 101 COLORADO SPRINGS, CO 80908	
OFFICE: (719) 481-4560 FAX: (719) 481-9204	

GEOQUEST LLC

SITE MAP

Lot 23, Filing 2
King Deer Highlands
19145 Royal Troon Dr
El Paso County
Colorado
Job #18-0866



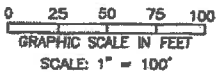
Location from Northeast Lot Corner to Profile Pit #1:
N. 58° W. - 222'

Location from Profile Pit #1 to Profile Pit #2:
N. 58° E. - 45'

GPS Coordinates:

Pit 1; N. 39° 06' 43.03" W. 104° 47' 57.83"

Pit 2; N. 38° 06' 43.22" W. 104° 47' 57.32"



Bp 11/29

CONVENTIONAL (NON-ENGINEERED) ON-SITE WASTEWATER TREATMENT SYSTEM (OWTS) DESIGN WORKSHEET (MUST BE COMPLETED FOR ALL CONVENTIONAL DESIGNS)

Wastewater Flow

Total number of bedrooms:

5 ✓

Design wastewater flow (gallons/day) from Table 6-1:

600 ✓

Septic Tank

Septic tank size (in gallons) from Table 9-1:

500 ✓

Tank burial depth (from top of tank, in inches)

26" ✓

(NOTE: Shall not exceed 48 inch depth by regulation)

Will groundwater affect tank?

Yes No

Will an effluent screen be installed?

Yes No

(Note: Effluent screens are required for all new systems or replacement of the septic tank)

Soil Treatment Area (STA)

Long Term Acceptance Rate (LTAR) From Table 10-1:

.50 ✓

Unadjusted STA size (see 8.10.C.4) -- show calculation:

$$\frac{\text{Design flow (gallons per day)}}{\text{LTAR (gallons/day/sq.ft.)}} = \frac{600}{.50}$$

1200 ✓

Depth of STA (cannot exceed 48"): 36" ✓

Trenches are preferred. If bed system is selected, the selection reason must be specified:

Type of STA (check which applies):

Trench Bed ✓

FOR REPAIRS ONLY (check which applies):

- Wide Bed (more than 12 feet wide)
- Deep Gravel Trenches
- Seepage Pit
- None of the Above

Bp 11/29

5/21/11

Method of Septic Tank Effluent Application (check which applies):

Gravity
 Pump to gravity
 Dispersed by siphon

Type of Distribution Media (check which applies):

Rock
 Tire chips
 Chambers
 Other _____ Other type _____

Adjusted STA size, using factors from Table 10-2 & 10-3 (show calculation, with adjustment factors utilized):

$$\frac{600}{50} = 1200 \times .7 = 840$$

$$840 \div 12 = 70 \text{ CHAMBERS}$$


A scale drawing *shall* be provided with each design document (see attached example design documents), showing:

- Layout of entire OWTS, including the STA configuration (trench, bed, etc.)
- Dimensions of the trench(s) or the bed(s)
- Location of all OWTS components and distances to all applicable physical features in Table 7-1
- Depths of all components (or elevations relative to a designated benchmark)
- Location of the soil profile test pit excavation(s), or percolation test holes, if required
- Location of the alternate STA site
- North direction arrow
- Graphic scale (1" = 20', 1" = 30', etc.)
- Contours, OR slope direction and % slope

Note: It is recommended that the design document is completed by a professional in the OWTS industry. EPCPH does not complete, or alter design documents. Contact EPCPH with any questions.

The proposed STA sites must be protected from disturbance, compaction, or other damage by staking, fencing, posting or other effective methods.

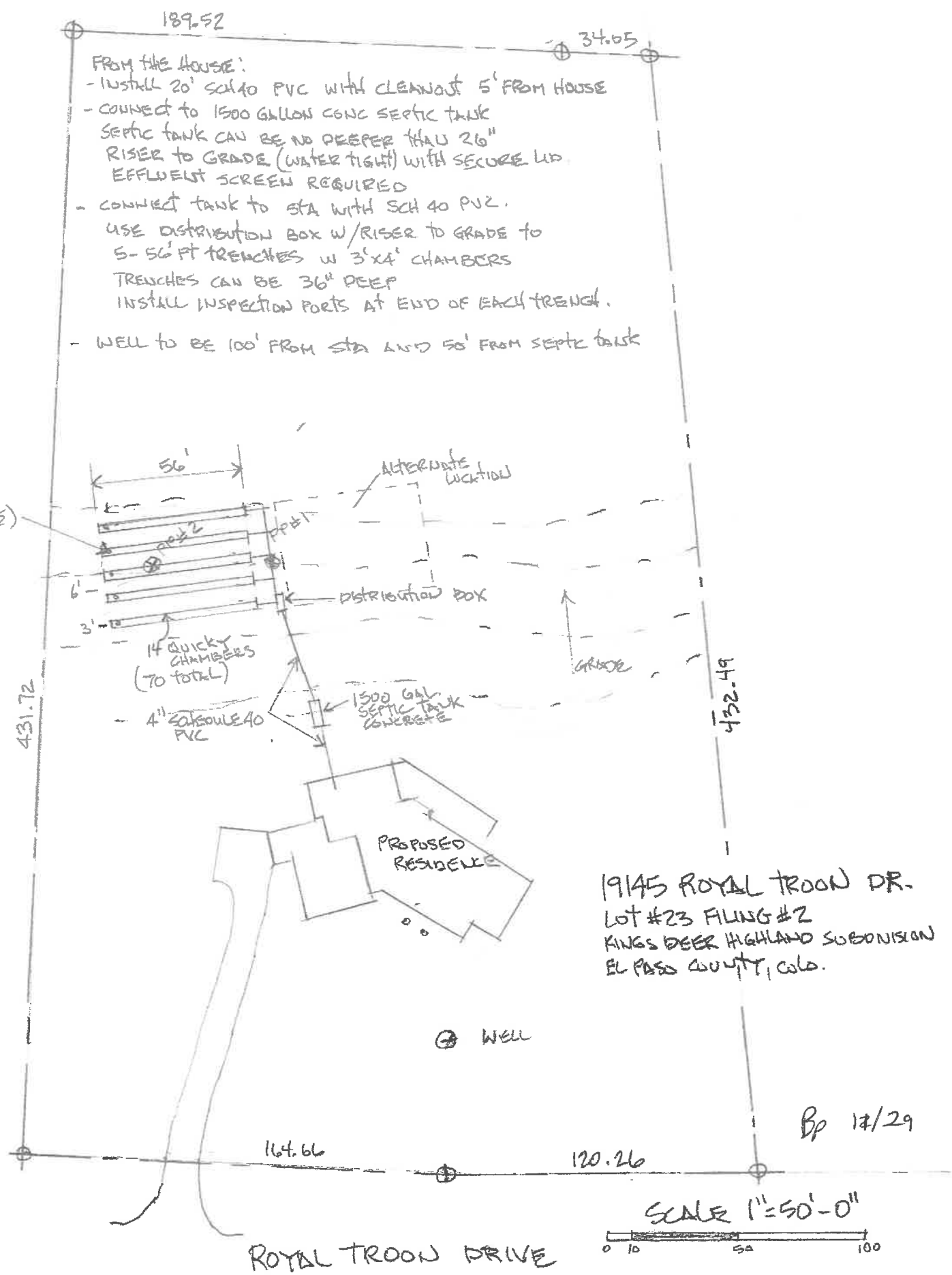
Certification


 Signature
 ROGER A. MOELLER
 Print Name
 11-29-2018
 Date
 19145 ROYAL TROUS DR.
 Property Address MONUMENT, COLO 80132

MOELLER HOMES LLC
 Company Name
 19375 LINCOLN GREEN LN. MONUMENT, COLO.
 Address
 719-205-6536
 Phone
 roger@moellerhomes.com
 Email

(See attached Tables and Design Document examples)

RP 11/29

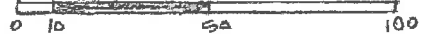


- FROM THE HOUSE:
- INSTALL 20' SCH 40 PVC WITH CLEANOUT 5' FROM HOUSE
 - CONNECT TO 1500 GALLON CONG SEPTIC TANK
SEPTIC TANK CAN BE NO DEEPER THAN 26" RISER TO GRADE (WATER TIGHT) WITH SECURE LID. EFFLUENT SCREEN REQUIRED
 - CONNECT TANK TO STA WITH SCH 40 PVC. USE DISTRIBUTION BOX W/ RISER TO GRADE TO 5- 56' FT TRENCHES W 3' X 4' CHAMBERS. TRENCHES CAN BE 36" DEEP. INSTALL INSPECTION PORTS AT END OF EACH TRENCH.
 - WELL TO BE 100' FROM STA AND 50' FROM SEPTIC TANK

19145 ROYAL TROON DR.
 LOT #23 FILING #2
 KINGS BEER HIGHLAND SUBDIVISION
 EL PASO COUNTY, COLO.

Bp 17/29

SCALE 1"=50'-0"



ROYAL TROON DRIVE

From: roger@moellerhomes.com <Roger@moellerhomes.com>

To: kunaudrilling <kunaudrilling@aol.com>

Subject: fw: 19145 Royal Troon Drive Soils Report and Profile Pit Evaluation

Date: Fri, Oct 5, 2018 10:46 am

Attachments: SKMBT_C22018100508081.pdf (27K), SKMBT_C22018100508080.pdf (265K), SKMBT_C22018100508060.pdf (869K)

Please call about a well cost and septic system based on the profile pit results for a 5 bedroom

home in Kings Deer. 717-205-6556

Roger Moeller, Moeller Homes LLC.

From: "Geoquest LLC" <ggengineeringllc@gmail.com>

Sent: Friday, October 05, 2018 8:32 AM

To: roger@moellerhomes.com

Subject: 19145 Royal Troon Drive Soils Report and Profile Pit Evaluation

Please find attached the Soils Report and Profile Pit Evaluation for 19145 Royal Troon Drive and the invoice Geoquest, LLC

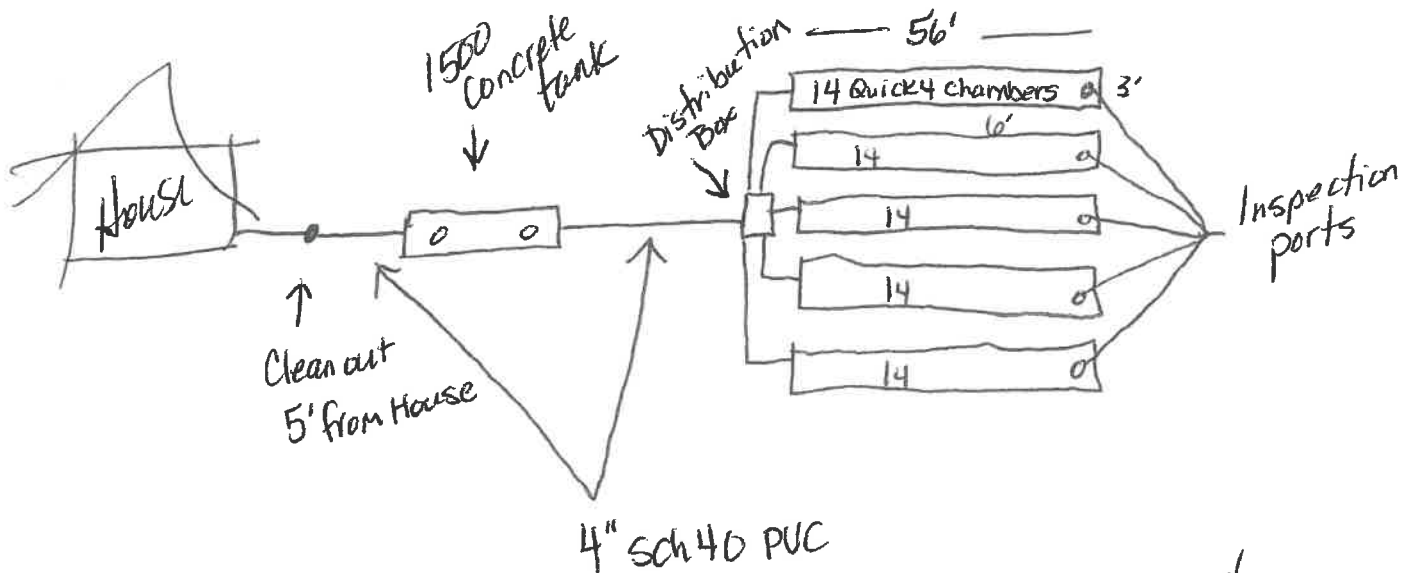
(719) 481-4560 - Office

(719) 481-9204 - Fax

$$\frac{5 \text{ Bedroom}}{\text{LTAR}} \times \text{trenches} \times \text{gravity} \times \text{reduction} = \frac{\text{Sqftg}}{12 \text{ Chambers Sqftg}} = \# \text{ of Chambers}$$

Max depth is 26"

$$\frac{600}{.50} \times 1 \times 1 \times .7 = \frac{840}{12} = 70 \text{ chambers}$$



Townsend