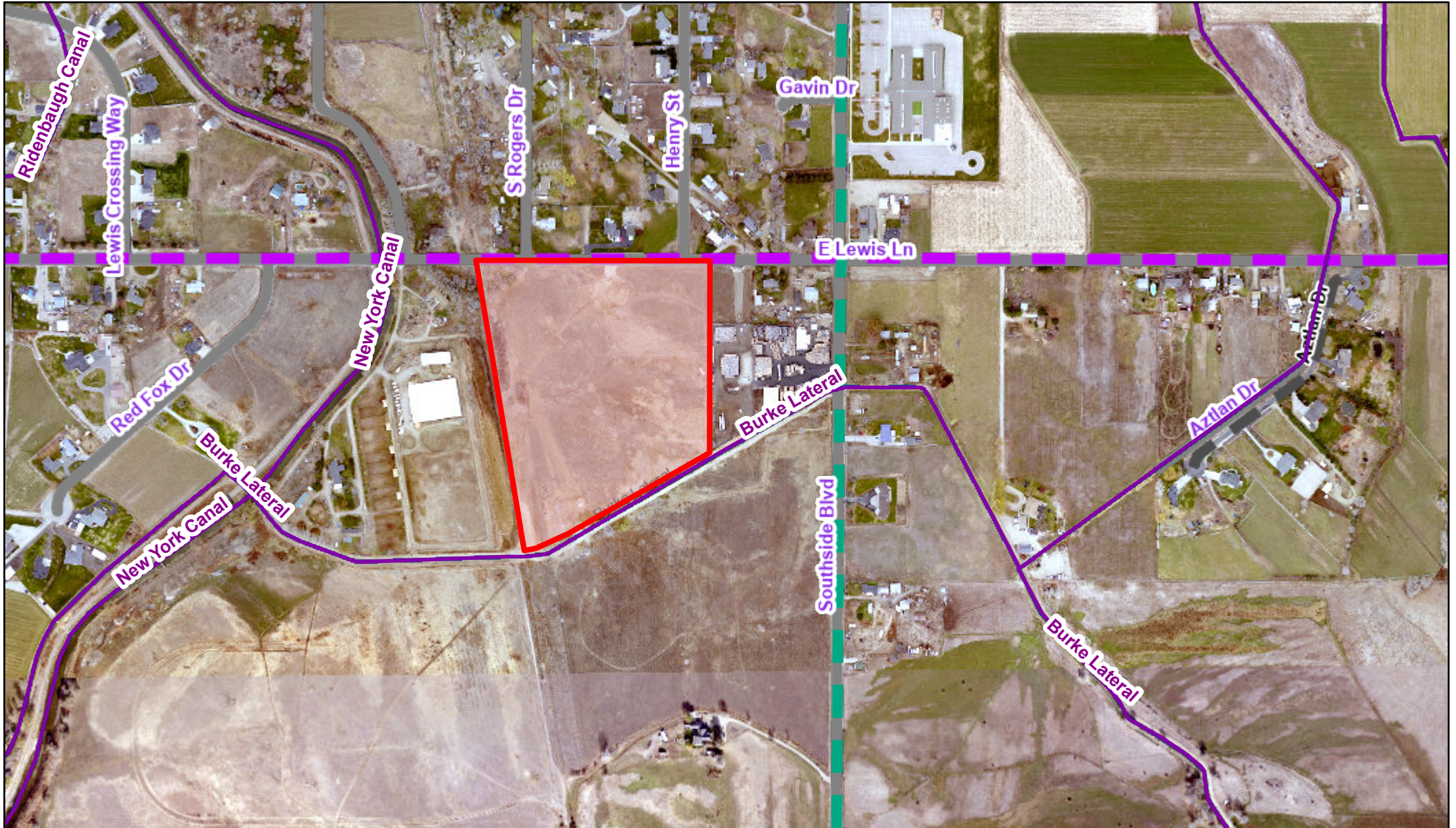
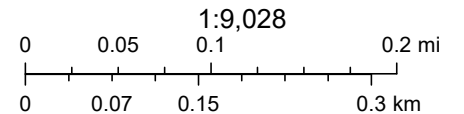


# Canyon County, ID Web Map



7/3/2023, 9:51:27 AM

- Multiple Parcel Search\_Query result
- Hydro\_NHDFlowline
- Hydro\_NHDFlowline
- CC\_PrivateRoads
- CanyonCountyRoads
- Roads
- ITDFunctionalClassification
- Major Collector
- Minor Arterial
- Canyon County Imagery\_2019
- Red: Band\_1
- Green: Band\_2



Bureau of Land Management, State of Oregon, State of Oregon DOT, State of Oregon GEO, Esri Canada, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA



# MASTER APPLICATION

## CANYON COUNTY DEVELOPMENT SERVICES DEPARTMENT

111 North 11<sup>th</sup> Avenue, #140, Caldwell, ID 83605

[www.canyonco.org/dsd.aspx](http://www.canyonco.org/dsd.aspx) Phone: 208-454-7458 Fax: 208-454-6633



<b>PROPERTY OWNER</b>	OWNER NAME: Taylor Merrill / OE Development LLC
	MAILING ADDRESS: PO Box 344, Meridian, ID 83680
	PHONE: _____ EMAIL: taylor@westparkco.com

I consent to this application and allow DSD staff / Commissioners to enter the property for site inspections. If owner(s) are a business entity, please include business documents, including those that indicate the person(s) who are eligible to sign.

Signature: \_\_\_\_\_

Date: 5-19-22

<b>(AGENT) ARCHITECT ENGINEER BUILDER</b>	CONTACT NAME: Alec Egurrola
	COMPANY NAME: T-O Engineers
	MAILING ADDRESS: 332 N Broadmore Way, Nampa, ID 83687
	PHONE: (208)442-6300 EMAIL: aegurrola@to-engineers.com

<b>SITE INFO</b>	STREET ADDRESS: 0 Southside Blvd, Nampa	
	PARCEL #: R2955201400	LOT SIZE/AREA: 20.48
	LOT: _____	BLOCK: _____
	SUBDIVISION: _____	
	QUARTER: NE 1/4 SE 1/4	SECTION: 14
TOWNSHIP: 2N		RANGE: 2W
ZONING DISTRICT: R-1		FLOODZONE (YES/NO): No

<b>HEARING LEVEL APPS</b>	<input type="checkbox"/> CONDITIONAL USE	<input type="checkbox"/> COMP PLAN AMENDMENT	<input type="checkbox"/> CONDITIONAL REZONE
	<input type="checkbox"/> ZONING AMENDMENT (REZONE)	<input type="checkbox"/> DEV. AGREEMENT MODIFICATION	<input type="checkbox"/> VARIANCE > 33%
	<input type="checkbox"/> MINOR REPLAT	<input type="checkbox"/> VACATION	<input type="checkbox"/> APPEAL
	<input type="checkbox"/> SHORT PLAT SUBDIVISION	<input type="checkbox"/> PRELIMINARY PLAT SUBDIVISION	<input checked="" type="checkbox"/> FINAL PLAT SUBDIVISION

<b>DIRECTORS DECISION APPS</b>	<input type="checkbox"/> ADMINISTRATIVE LAND DIVISION	<input type="checkbox"/> EASEMENT REDUCTION	<input type="checkbox"/> SIGN PERMIT
	<input type="checkbox"/> PROPERTY BOUNDARY ADJUSTMENT	<input type="checkbox"/> HOME BUSINESS	<input type="checkbox"/> VARIANCE 33% >
	<input type="checkbox"/> PRIVATE ROAD NAME	<input type="checkbox"/> TEMPORARY USE	<input type="checkbox"/> DAY CARE
	<input type="checkbox"/> OTHER _____		

CASE NUMBER: SD2022-0027	DATE RECEIVED: 5/23/22
RECEIVED BY: Maddy Vander Veen	APPLICATION FEE: \$1440 (CK) MO CC CASH



# T-O ENGINEERS

Consulting Engineers, Surveyors and Planners

332 N. BROADMORE WAY  
NAMPA, IDAHO 83687  
PHONE: (208) 442-6300  
FAX: (208) 466-0944

TO:  
Canyon County  
Development Services  
111 N 11<sup>th</sup> Ave., Room 140  
Caldwell, ID 83605

## LETTER OF TRANSMITTAL

Date May 23, 2022	Job No. 220027
ATTENTION <i>Dan Lister</i>	
RE: Osprey Estates Subdivision No.2	

WE ARE SENDING  Attached  Under separate cover \_\_\_\_\_ the following:

Shop drawings  Prints  Plans  Samples  Specifications

Copy of letter  Change \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
1	05-23-22		Full Sized Set Construction Drawings
1			Master Application & Final Plat Checklist
1			Storm Drainage Report
1		1389	Check for \$1,440.00
1			Electronic copy of PDF & CAD File of CDs
1			

### THESE ARE TRANSMITTED as checked below

- For approval  Approved as submitted  Resubmit \_\_\_\_\_ copies for approval
- For your use  Approved as noted  Submit \_\_\_\_\_ copies for distribution
- As requested  Returned for corrections  Return \_\_\_\_\_ corrected prints
- For review comment  \_\_\_\_\_
- FOR BIDS DUE \_\_\_\_\_  PRINTS RETURNED AFTER LOAN TO US

REMARKS:

RECEIVED BY: \_\_\_\_\_

SIGNED: \_\_\_\_\_



## **FINAL PLAT SUBMITTAL LIST**

### **CANYON COUNTY DEVELOPMENT SERVICES DEPARTMENT**

111 North 11<sup>th</sup> Avenue, #310, Caldwell, ID 83605

[zoninginfo@canyoncounty.id.gov](mailto:zoninginfo@canyoncounty.id.gov) | Phone: 208-454-7458 | Fax: 208-454-6633



#### **THE FOLLOWING ITEMS MUST BE SUBMITTED WITH THIS CHECKLIST:**

<input checked="" type="checkbox"/>	Master Application completed and signed
<input checked="" type="checkbox"/>	Copy of Final Plat*
<input checked="" type="checkbox"/>	Final Drainage Plan*, if applicable
<input checked="" type="checkbox"/>	Final Irrigation Plan*, if applicable
<input checked="" type="checkbox"/>	Final Grading Plan*, if applicable
<input checked="" type="checkbox"/>	Construction Drawings for all required improvements*, if applicable CCZO §07-17-29(3)
<input checked="" type="checkbox"/>	<b>\$930 +\$10/lot +\$100( if in an area of impact) non-refundable fee</b>

\* Submittal must include a full-size paper copy, an electronic copy in PDF format, and the CAD file (if a CAD file exists).

#### **NOTES:**

1. Any conditions of approval given during the rezoning or preliminary plat process, if applicable, must be addressed as part of submittal materials to ensure condition compliance is met.
2. After the plat is reviewed and found to be in compliance, an **additional five (5) paper copies of the final plat** may be required to be submitted.
3. Evidence that all improvements have been completed or bonded per CCZO § 07-17-29(4) must be submitted after construction drawing approval and before final plat signature by the Board of County Commissioners.



# STORM DRAINAGE REPORT

for

## OSPREY ESTATES SUBDIVISION NO.2

NAMPA, IDAHO

Prepared for:

The WestPark Company, Inc.  
PO Box 344  
Meridian, ID 83680  
208-888-9940

Prepared By:



**T-O ENGINEERS**

332 N. Broadmore Way  
Nampa, ID 83687  
208-442-6300

Date Prepared: May 20, 2022

T-O Project No. 220027



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- Figure 1: Proposed Drainage Plan  
Figure 2: Basin Map

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- Appendix A: Basin and Storage Calculations  
Appendix B: Conveyance Pipe, Inlet, and SGT Calculations  
Appendix C: Project Geotechnical Report Excerpts



## 1. INTRODUCTION

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This report is prepared to support the storm drain system design for the Osprey Estates Subdivision Phase 2 (Project) by The WestPark Company, Inc. (Developer). The project is subject to the storm water management requirements of the City of Nampa (City) and the storm system design is based on the City's 2017 Drainage and Storm Water Design Policy.

### 1.1 Existing Conditions

The property has historically been used for agriculture. Currently (predevelopment), all drainage flows to a low point near the northwest corner of the property included in Phase 2. A culvert conveys the runoff to the neighboring property, which eventually then flows westward along Lewis Lane. The runoff includes irrigation discharge from a neighboring property and a culvert originating north of Lewis Lane.

### 1.2 Soil Conditions

The Native Alluvial soils generally encountered consist of surficial layers of silts and sandy silts, underlain by sandy silts, silty sands, and basalt rock. Percolation tests were conducted by GeoTek in August 2021 post blasting the basalt during Phase 1 construction at the proposed storage facility locations. The infiltration rates varied between 4.8 - 24+ in/hr. A percolation rate of 4 in/hr was used for design and will be field verified during construction at the proposed facility locations for Phase 2.

## 2. DESIGN CRITERIA

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The following design criteria were used in the preparation of this report and corresponding design calculations in accordance with the City of Nampa 2017 Drainage and Storm Water Design Policy for Site Development.

- The Rational Method is used for calculating peak runoff flow.
- Manning's Equation is used for calculating pipe capacity.
- The Modified Rational Method is used for calculating storm water storage volumes.
- The primary conveyance system (gutters, drain inlets, underground pipes) is sized for the 50-year storm event.
- The secondary conveyance system (streets and ditches) is sized for the 100-year storm event.
- Retention storage facilities with overflow are sized for the 100-year storm event, with the maximum accumulated volume over a 24-hour period.
- A site-specific weighted runoff coefficient has been calculated for each drainage area.
- Rainfall intensities are taken from Exhibit A of the City of Nampa 2017 Drainage and Storm Water Design Policy.
- Pre-treatment in the form of Sand & Grease Traps shall be provided upstream of storage basins. The baffles shall be sized to limit the throat velocity to less than 0.5 feet per second at the 50-year design flow and will pass larger flows.
- A minimum of 3-feet separation shall be maintained between the seasonal high groundwater level and the bottom of detention facilities and percolation beds. Bedrock shall be treated as if it is groundwater.
- A minimum 3-ft thick layer of filter sand shall be provided at the bottom of the storage facilities.





OSPREY ESTATES PHASE 2 DRAINAGE BASIN MAP



**T-O ENGINEERS**  
332 N. BROADMORE WAY  
NAMPÁ, IDAHO 83687  
208-442-6300 | WWW.T-O-ENGINEERS.COM

DATE: 5/17/22, JOB: 220027

**APPENDIX A**

**STORAGE FACILITY CALCULATIONS**



Project Name: Osprey Estates Subdivision Phase 2  
 Project Location: Nampa, ID  
 Date: 5/20/2022

Table 1: Basin A & Retention Basin A - Volume Calculations - Modified Rational Method

Drainage Basin Design Info				Allow Release Info							
Design Storm	100 year	Detention/ Retention Facil:	Retention								
Runoff Area	15.76 acres	Allowable Release Rate	0.00 cfs/acre								
C-Value	0.50	Total Allowable Discharge	0.00 cfs								
		May Discharge From Orifice	0.00 cfs								
Water Quality Volume Info				Percolation Rate Info							
Water Quality Rainfall Depth	0.2 in	Measured Perc Rate	4 in/hr								
Water Quality Volume	5,721 cf	Safety Factor	1								
		Design Perc Rate	4.00 in/hr								
		Perc Flow Rate	0 cfs								
Pond/Swale Info				Seepage Bed Info							
Max depth	3.5 ft	Effective Rock Height	0 ft								
Pond Volume	32,970 cf	Sand Height	0 ft								
Total runoff volume	32,580 cf	Width	0 ft								
Percent retained	101%	Length	0 ft								
Percent increase required	15%	Pipe Dia	0 ft								
Pond Percolation Area	11120 sf	Seepage Bed Percolation Area	0 sf								
Pond Percolation Perimeter	394 lf	Storage Volume w/ 40% Voids	0 cf								
Storage Facility Design Volume											
Duration (min)	100 year Intensity (in/hr)	Area (acres)	Flow Rate Q = CIA (cfs)	Allowable Discharge (cfs)	Perc Flow Rate (Q <sub>p</sub> ) (cfs)	Net Flow Rate (cfs)	Runoff Volume (V <sub>R</sub> ) (cf)	115% Req'd for Sediment Storage (cf)	Available Storage (cf)	Req'd Above Ground Storage	Time to Percolate 90% (T <sub>p</sub> ) (hr)
10	3.10	15.76	24.43	0.00	1.03	23.40	14039	16145	32970	-16825	3
15	2.60	15.76	20.49	0.00	1.03	19.46	17513	20139	32970	-12831	4
30	1.80	15.76	14.18	0.00	1.03	13.15	23678	27230	32970	-5740	6
60	1.10	15.76	8.67	0.00	1.03	7.64	27498	31623	32970	-1347	7
120	0.63	15.76	4.96	0.00	1.03	3.93	28330	32580	32970	-390	7
180	0.45	15.76	3.55	0.00	1.03	2.52	27177	31253	32970	-1717	7
360	0.27	15.76	2.13	0.00	1.03	1.10	23716	27274	32970	-5696	6
720	0.14	15.76	1.10	0.00	1.03	0.07	3178	3655	32970	-29315	1
1440	0.09	15.76	0.71	0.00	1.03	-0.32	-27685	-31838	32970	-64808	-7

Project Name: Osprey Estates Subdivision Phase 2  
 Project Location: Nampa, ID  
 Date: 5/20/2022

Table 1: Seepage Window Lot 10, Block 2 - Volume Calculations - Modified Rational Method

Drainage Basin Design Info				Allow Release Info							
Design Storm	100 year	Retention		Detention/ Retention Facili							
Runoff Area	0.40 acres	Allowable Release Rate	0.00 cfs/acre	Total Allowable Discharge	0.00 cfs						
C-Value	0.50	May Discharge From Orifice	0.00 cfs								
Water Quality Volume Info				Percolation Rate Info							
Water Quality Rainfall Depth	0.2 in	Measured Perc Rate	4 in/hr	Safety Factor	1						
Water Quality Volume	145 cf	Design Perc Rate	4.00 in/hr	Perc Flow Rate	0.04 cfs						
Pond/Swale Info				Seepage Bed Info							
Max depth	0 ft	Effective Rock Height	4.5 ft	Sand Height	0 ft						
Pond Volume	0 cf	Sand Height	0 ft	Width	4 ft						
Total runoff volume	0 cf	Length	105 ft	Pipe Dia	0 ft						
Percent retained	0	Seepage Bed Percolation Area	420 sf	Storage Volume w/ 40% Voids	756 cf						
Percent increase required	0										
Pond Percolation Area	0 sf										
Storage Facility Design Volume											
Duration (min)	100 year Intensity (in/hr)	Area (acres)	Flow Rate Q = CIA (cfs)	Allowable Discharge (cfs)	Perc Flow Rate (Q <sub>a</sub> ) (cfs)	Net Flow Rate (cfs)	Runoff Volume (V <sub>a</sub> ) (cf)	115% Req'd for Sediment Storage (cf)	Available Storage (cf)	Req'd Above Ground Storage	Time to Percolate (T <sub>a</sub> ) (hr)
10	3.10	0.40	0.62	0.00	0.04	0.58	349	401	756	-355	2
15	2.60	0.40	0.52	0.00	0.04	0.48	433	498	756	-258	3
30	1.80	0.40	0.36	0.00	0.04	0.32	578	665	756	-91	4
60	1.10	0.40	0.22	0.00	0.04	0.18	652	750	756	-6	5
120	0.63	0.40	0.13	0.00	0.04	0.09	627	721	756	-35	4
180	0.45	0.40	0.09	0.00	0.04	0.05	552	635	756	-121	4
360	0.27	0.40	0.05	0.00	0.04	0.02	326	375	756	-381	2
720	0.14	0.40	0.03	0.00	0.04	-0.01	-470	-541	756	-1297	-3
1440	0.09	0.40	0.02	0.00	0.04	-0.02	-1805	-2076	756	-2832	-13



Project Name: Osprey Estates Subdivision Phase 2  
 Project Location: Nampa, ID  
 Date: 5/20/2022

Table 1: Seepage Window Lot 11 & 12, Block 2 - Volume Calculations - Modified Rational Method

Drainage Basin Design Info				Allow Release Info							
Design Storm	100 year	Detention/ Retention Facili	Retention								
Runoff Area	0.30 acres	Allowable Release Rate	0.00 cfs/acre								
C-Value	0.50	Total Allowable Discharge	0.00 cfs								
		May Discharge From Orifice	0.00 cfs								
Water Quality Volume Info				Percolation Rate Info							
Water Quality Rainfall Depth	0.2 in	Measured Perc Rate	4 in/hr								
Water Quality Volume	109 cf	Safety Factor	1								
		Design Perc Rate	4.00 in/hr								
		Perc Flow Rate	0.03 cfs								
Pond/Swale Info				Seepage Bed Info							
Max depth	0 ft	Effective Rock Height	4.5 ft								
Pond Volume	0 cf	Sand Height	0 ft								
Total runoff volume	0 cf	Width	4.5 ft								
Percent retained	0	Length	78 ft								
Percent increase required	0	Pipe Dia	0 ft								
Pond Percolation Area	0 sf	Seepage Bed Percolation Area	351 sf								
		Storage Volume w/ 40% Voids	632 cf								
Storage Facility Design Volume											
Duration (min)	100 year Intensity (in/hr)	Area (acres)	Flow Rate Q = CIA (cfs)	Allowable Discharge (cfs)	Perc Flow Rate (Q <sub>p</sub> ) (cfs)	Net Flow Rate (cfs)	Runoff Volume (V <sub>R</sub> ) (cf)	115% Req'd for Sediment Storage (cf)	Available Storage (cf)	Req'd Above Ground Storage	Time to Percolate (T <sub>p</sub> ) (hr)
10	3.10	0.30	0.47	0.00	0.03	0.43	260	298	632	-333	2
15	2.60	0.30	0.39	0.00	0.03	0.36	322	370	632	-262	3
30	1.80	0.30	0.27	0.00	0.03	0.24	428	492	632	-140	4
60	1.10	0.30	0.17	0.00	0.03	0.13	477	549	632	-83	4
120	0.63	0.30	0.09	0.00	0.03	0.06	446	513	632	-118	4
180	0.45	0.30	0.07	0.00	0.03	0.04	378	435	632	-197	3
360	0.27	0.30	0.04	0.00	0.03	0.01	173	199	632	-433	1
720	0.14	0.30	0.02	0.00	0.03	-0.01	-497	-571	632	-1203	-4
1440	0.09	0.30	0.01	0.00	0.03	-0.02	-1642	-1888	632	-2520	-14

Project Name: Osprey Estates Subdivision Phase 2  
 Project Location: Nampa, ID  
 Date: 5/20/2022

Table 1: Seepage Windows Lot 13-20, Block2 - Volume Calculations - Modified Rational Method

Drainage Basin Design Info				Allow Release Info							
Design Storm	100 year	Detention/ Retention Facili	Retention								
Runoff Area	0.28 acres	Allowable Release Rate	0.00 cfs/acre								
C-Value	0.50	Total Allowable Discharge	0.00 cfs								
		May Discharge From Orifice	0.00 cfs								
Water Quality Volume Info				Percolation Rate Info							
Water Quality Rainfall Depth	0.2 in	Measured Perc Rate	4 in/hr								
Water Quality Volume	102 cf	Safety Factor	1								
		Design Perc Rate	4.00 in/hr								
		Perc Flow Rate	0.03 cfs								
Pond/Swale Info				Seepage Bed Info							
Max depth	0 ft	Effective Rock Height	4.5 ft								
Pond Volume	0 cf	Sand Height	0 ft								
Total runoff volume	0 cf	Width	4 ft								
Percent retained	0	Length	74 ft								
Percent increase required	0	Pipe Dia	0 ft								
Pond Percolation Area	0 sf	Seepage Bed Percolation Area	296 sf								
		Storage Volume w/ 40% Voids	533 cf								
Storage Facility Design Volume											
Duration (min)	100 year Intensity (in/hr)	Area (acres)	Flow Rate Q = CIA (cfs)	Allowable Discharge (cfs)	Perc Flow Rate (Q <sub>a</sub> ) (cfs)	Net Flow Rate (cfs)	Runoff Volume (V <sub>a</sub> ) (cf)	115% Req'd for Sediment Storage (cf)	Available Storage (cf)	Req'd Above Ground Storage	Time to Percolate (T <sub>a</sub> ) (hr)
10	3.10	0.28	0.43	0.00	0.03	0.41	244	281	533	-252	2
15	2.60	0.28	0.36	0.00	0.03	0.34	303	348	533	-184	3
30	1.80	0.28	0.25	0.00	0.03	0.22	404	465	533	-68	4
60	1.10	0.28	0.15	0.00	0.03	0.13	456	524	533	-9	5
120	0.63	0.28	0.09	0.00	0.03	0.06	438	503	533	-29	4
180	0.45	0.28	0.06	0.00	0.03	0.04	384	442	533	-91	4
360	0.27	0.28	0.04	0.00	0.03	0.01	224	258	533	-275	2
720	0.14	0.28	0.02	0.00	0.03	-0.01	-337	-388	533	-921	-3
1440	0.09	0.28	0.01	0.00	0.03	-0.01	-1279	-1471	533	-2004	-13



## **APPENDIX B**

### **CONVEYANCE PIPE, INLET, AND SAND & GREASE TRAP CALCULATIONS**

Design Criteria

Max velocity	=	8 ft/s	Min. diameter	=	12 in
Min. slope	=	0.002 ft/ft	Max length	=	400 ft
Max slope	=	0.05 ft/ft	Min. cover	=	1 ft

Conveyance pipe calculations

Pipe ID	Dia. (in)	Mat.	Manning's n	Design Storm	Slope (ft/ft)	Length (ft)	Trib. Area (acres)	ToC (min)	Runoff Coeff.	Full-Flow Capacity (cfs)	Design Flow (cfs)	Q <sub>d</sub> /Q <sub>d,full</sub>	Full-Flow Vel. (ft/s)	Up Node	Down Node	Up Inv.	Down Inv.	Up Cover	Down Cover
A1	18	PVC	0.009	50	0.0035	32	14.1	53.20	0.50	8.98	8.05	0.90	5.08	CB-1	CB-2	2565.68	2565.57	1.50	1.61
A2	21	PVC	0.009	50	0.0040	15	15.7	25.40	0.50	14.48	14.19	0.98	6.02	CB-2	SGT-1	2565.57	2565.51	1.36	1.39
A3	21	PVC	0.009	50	0.0040	20	15.7	25.44	0.50	14.48	14.18	0.98	6.02	SGT-1		2565.11	2565.03	1.79	



# Sand & Grease Traps



## Design Criteria

---

Max throat velocity = 0.5 ft/s  
Min. baffle spacing = 20 in

---

### Sand and grease trap calculations

SGT ID	No. of SGTs	Size (gal)	Baffle Width (in)	Baffle Spacing (in)	Throat Area (sf)	Inflow (cfs)	Throat Velocity (ft/s)
SGT-1	2	1500	63	33	28.9	14.2	0.49

**APPENDIX C**

**GEOTECHNICAL REPORTS**






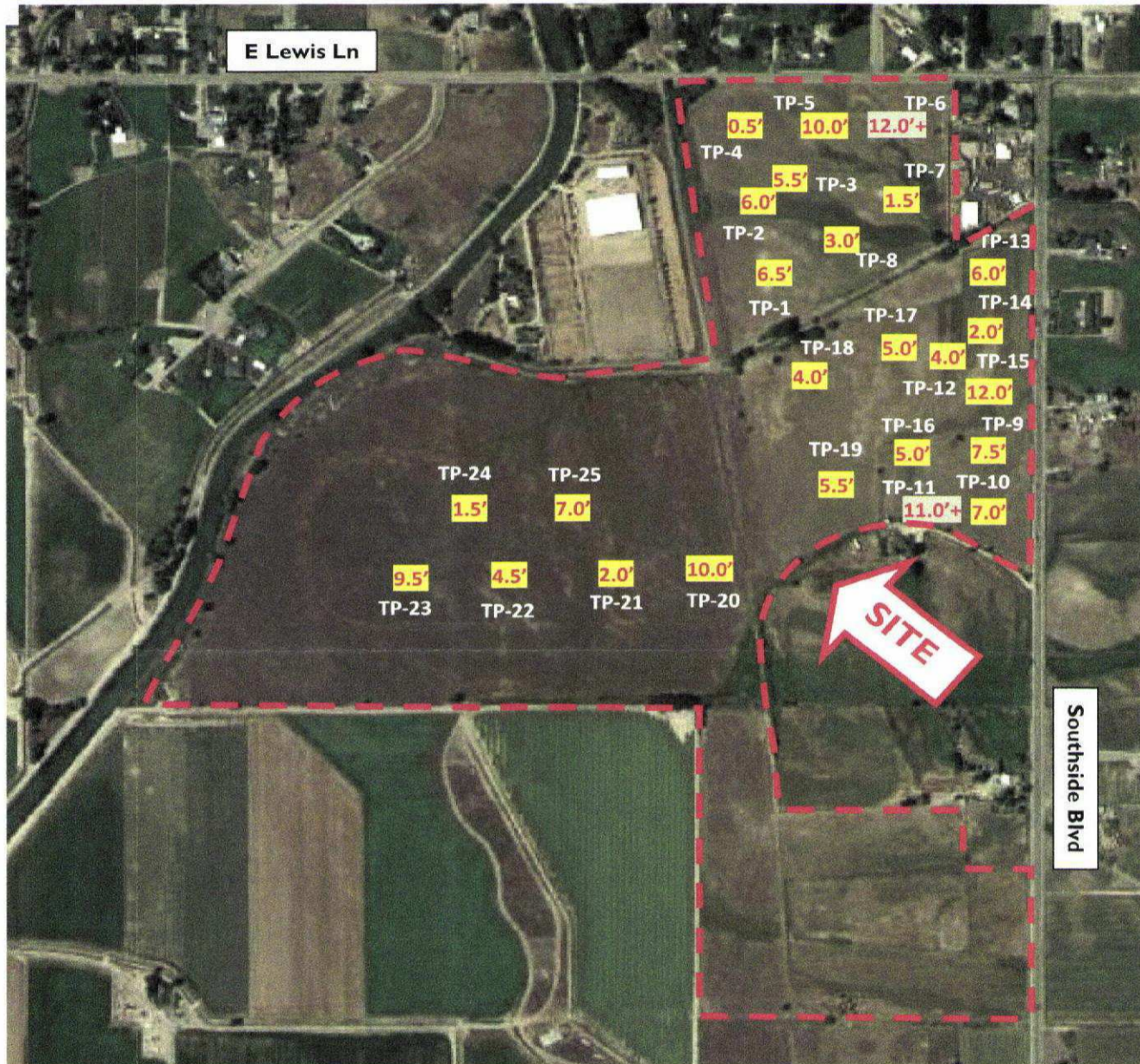
⊕ Approximate Test Pit Locations



Source: Google Earth 2019, GeoTek Field Observations, 2019. Not to Scale.

 <b>GEOTEK</b> GEOTECHNICAL   ENVIRONMENTAL   MATERIALS 320 E. Corporate Dr, Suite 300, Meridian, ID 83642 (208) 888-7010 (phone) / (208) 888-7924 (FAX)	<b>FIGURE 2</b> <b>SITE EXPLORATION MAP</b> Osprey Estates Subdivision E Lewis Ln and Southside Blvd Nampa, Idaho Prepared for: Westpark Companies		
	Project No.: <b>2054-ID</b>	Report Date: <b>August 2019</b>	Drawn By: <b>SJH</b>





##' Approximate Test Pit Location & Depth of basalt

##'+ Approximate Test Pit Location & No basalt encountered



Source: Google Earth 2019, GeoTek Field Observations, 2019. Not to Scale.

**GEOTEK**  
 GEOTECHNICAL | ENVIRONMENTAL | MATERIALS  
 320 E. Corporate Dr, Suite 300, Meridian, ID 83642  
 (208) 888-7010 (phone) / (208) 888-7924 (FAX)

**FIGURE 3**  
**BASALT DEPTH MAP**  
 Osprey Estates Subdivision  
 E Lewis Ln and Southside Blvd  
 Nampa, Idaho  
 Prepared for: Westpark Companies

Project No.:  
**2054-ID**

Report Date:  
**August 2019**

Drawn By:  
**SJH**



## LOG GENERAL NOTES

CONSISTENCY OF FINE-GRAINED SOILS		
Unconfined Compressive Strength, Qu, psf	Standard Penetration or N-Value (SS) Blows/Ft	Consistency
< 500	<2	Very Soft
500 - 1,000	2 - 3	Soft
1,001 - 2,000	4 - 7	Firm
2,001 - 4,000	8 - 16	Stiff
4,001 - 8,000	17 - 32	Very Stiff
> 8,001	32+	Hard

RELATIVE DENSITY OF COARSE-GRAINED SOILS	
Standard Penetration (SPT) or N-Value (SS) Blows/Ft	Relative Density
0 - 3	Very Loose
4 - 9	Loose
10 - 29	Medium Dense
30 - 49	Dense
50+	Very Dense

SPT penetration test using 140 pound hammer, with 30 inch free fall on 2 inch outside diameter (1-3/8 ID) sampler

For ring sampler using 140 lb hammer, with a 30 inch free fall on 3 inch outside diameter (2-1/2 ID) sample,

use N-value x 0.7 to get Standard N-value





















For fine grained soil consistency, thumb penetration used per ASTM D-2488


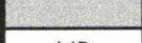

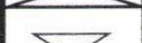

RELATIVE PROPORTIONS OF SAND & GRAVEL	
Descriptive Term of other constituents	Percent of Dry Weight
Trace	< 15
With	15 - 29
Modifier	> 30

GRAIN SIZE TERMINOLOGY	
Major Component of Sample	Particle Size
Boulders	Over 12 inches
Cobbles	3 inches to 12 inches
Gravel	#4 Sieve to 3 inches
Sand	#200 Sieve to #4 Sieve
Silt or Clay	Passing #200 Sieve

RELATIVE HARDNESS OF CEMENTED SOILS (CALICHE)	
Description	General Characteristics
Very Dense to Moderately Hard	Partially Cemented Granular Soil - Can be carved with a knife and broken with force by hand.
Very Stiff to Moderately Hard	Partially Cemented Fine-Grained Soil - Can be carved with a knife and broken with force by hand.
Moderately Hard	Moderate hammer blow required to break a sample
Hard	Heavy hammer blow required to break a sample
Very Hard	Repeated heavy hammer blow required to break a sample

# LOG LEGEND

MATERIAL DESCRIPTION		
Soil Pattern	USCS Symbol	USCS Classification
	FILL	Artificial Fill
	GP or GW	Poorly/Well graded GRAVEL
	GM	Silty GRAVEL
	GC	Clayey GRAVEL
	GP-GM or GW-GM	Poorly/Well graded GRAVEL with Silt
	GP-GC or GW-GC	Poorly/Well graded GRAVEL with Clay
	SP or SW	Poorly/Well graded SAND
	SM	Silty SAND
	SC	Clayey SAND
	SP-SM or SW-SM	Poorly/Well graded SAND with Silt
	SP-SC or SW-SC	Poorly/Well graded SAND with Clay
	SC-SM	Silty Clayey SAND
	ML	SILT
	MH	Elastic SILT
	CL-ML	Silty CLAY
	CL	Lean CLAY
	CH	Fat CLAY
	PCEM	PARTIALLY CEMENTED
	CEM	CEMENTED
	BDR	BEDROCK

SAMPLING	
	SPT
	Ring Sample
	No Recovery
	Bulk Sample
	Water Table

CONSISTENCY					
Cohesionless Soils		Cohesive Soils		Cementation	
VL	Very Loose	So	Soft	MH	Moderately Hard
L	Loose	F	Firm	H	Hard
MD	Medium Dense	S	Stiff	VH	Very Hard
D	Dense	VS	Very Stiff		
VD	Very Dense				





# TEST PIT LOG

**PROJECT #:** 2054-ID  
**PROJECT:** Osprey Estates Subdivision  
**CLIENT:** Westpark Companies  
**LOCATION:** SW of E Lewis Ln and Southside Blvd, Nampa, ID

**LOGGED BY:** SJH  
**METHOD:** Backhoe  
**EXCAVATOR:** JustDigt  
**DATE:** 8/7/19  
**ELEVATION:**

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-9	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Brown to Dk. Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2				ML	Lt. Brown to Tan, Sandy SILT, Slightly Moist	F	
3						F	
4							
5							
6							
7							
8					END OF TEST PIT @ 7.5' (PRACTICAL REFUSAL, BASALT ROCK) NO GROUNDWATER ENCOUNTERED		
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



**GEOTEK**

# TEST PIT LOG

PROJECT #: 2054-ID  
 PROJECT: Osprey Estates Subdivision  
 CLIENT: Westpark Companies  
 LOCATION: SW of E Lewis Ln and Southside Blvd, Nampa, ID

LOGGED BY: SJH  
 METHOD: Backhoe  
 EXCAVATOR: JustDigIt  
 DATE: 8/7/19  
 ELEVATION: \_\_\_\_\_

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-10	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Dk. Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2				ML	Lt. Brown to Tan, Sandy SILT, Slightly Moist	F	
3						F	
4							
5							
6							
7					<b>END OF TEST PIT @ 7.0' (PRACTICAL REFUSAL, BASALT ROCK)</b>		
8					<b>NO GROUNDWATER ENCOUNTERED</b>		
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							





# TEST PIT LOG

**PROJECT #:** 2054-ID  
**PROJECT:** Osprey Estates Subdivision  
**CLIENT:** Westpark Companies  
**LOCATION:** SW of E Lewis Ln and Southside Blvd, Nampa, ID

**LOGGED BY:** SJH  
**METHOD:** Backhoe  
**EXCAVATOR:** JustDigt  
**DATE:** 8/7/19  
**ELEVATION:**

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-11	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Dk. Brown, SILT, Slightly Moist	So	Organics upper 1.0'
						F	
2				ML	Lt. Brown to Tan, SILT, Slightly Moist	F	
3							
4				SM	Brown, Silty SAND, Slightly Moist to Moist	MD	
5							
6							
7							
8							
9							
10							Percolation test conducted @ 7.0'
11					<b>END OF TEST PIT @ 11.0'</b> <b>NO GROUNDWATER ENCOUNTERED</b>		
12							
13							
14							
15							
16							
17							
18							
19							
20							



**GEOTEK**

# TEST PIT LOG

PROJECT #: 2054-ID  
 PROJECT: Osprey Estates Subdivision  
 CLIENT: Westpark Companies  
 LOCATION: SW of E Lewis Ln and Southside Blvd, Nampa, ID

LOGGED BY: SJH  
 METHOD: Backhoe  
 EXCAVATOR: JustDigt  
 DATE: 8/7/19  
 ELEVATION: \_\_\_\_\_

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-12	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Brown to Dk. Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2				ML	Tan, Sandy SILT w/ Basalt, Slightly Moist	F	
3							Percolation test conducted @ 2.5'
4					<b>END OF TEST PIT @ 4.0' (PRACTICAL REFUSAL, BASALT ROCK)</b>		
5					<b>NO GROUNDWATER ENCOUNTERED</b>		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



# TEST PIT LOG

**PROJECT #:** 2054-ID  
**PROJECT:** Osprey Estates Subdivision  
**CLIENT:** Westpark Companies  
**LOCATION:** SW of E Lewis Ln and Southside Blvd, Nampa, ID

**LOGGED BY:** SJH  
**METHOD:** Backhoe  
**EXCAVATOR:** JustDigt  
**DATE:** 8/7/19  
**ELEVATION:**

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-13	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Dk. Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2				ML	Tan to Lt. Brown, SILT, Slightly Moist to Moist	F	
3							
4							
5				SM	Lt. Brown to Brown, Silty SAND, Moist	D	
6					<b>END OF TEST PIT @ 6.0' (PRACTICAL REFUSAL, BASALT ROCK)</b>		
7					<b>NO GROUNDWATER ENCOUNTERED</b>		
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							





# TEST PIT LOG

**PROJECT #:** 2054-ID  
**PROJECT:** Osprey Estates Subdivision  
**CLIENT:** Westpark Companies  
**LOCATION:** SW of E Lewis Ln and Southside Blvd, Nampa, ID

**LOGGED BY:** SJH  
**METHOD:** Backhoe  
**EXCAVATOR:** JustDigIt  
**DATE:** 8/7/19  
**ELEVATION:**

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-14	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Dk. Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2				SM	Lt. Brown to Tan, Silty SAND, Slightly Moist	MD	
3					<b>END OF TEST PIT @ 2.0' (PRACTICAL REFUSAL, BASALT ROCK)</b>		
4					<b>NO GROUNDWATER ENCOUNTERED</b>		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



**GEOTEK**

# TEST PIT LOG

PROJECT #: 2054-ID  
 PROJECT: Osprey Estates Subdivision  
 CLIENT: Westpark Companies  
 LOCATION: SW of E Lewis Ln and Southside Blvd, Nampa, ID

LOGGED BY: SJH  
 METHOD: Backhoe  
 EXCAVATOR: JustDigt  
 DATE: 8/7/19  
 ELEVATION:

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-15 MATERIAL DESCRIPTION AND COMMENTS	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Brown to Dk. Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2				ML	Lt. Brown to Tan, SILT, Slightly Moist	F	
3							
4							
5							
6							
7							
8				SM	Lt. Brown to Brown, Silty SAND w/ Basalt, Slightly Moist to Moist	D	
9							
10							
11							
12					<b>END OF TEST PIT @ 12.0' (PRACTICAL REFUSAL, BASALT ROCK)</b> <b>NO GROUNDWATER ENCOUNTERED</b>		
13							
14							
15							
16							
17							
18							
19							
20							



**GEOTEK**

# TEST PIT LOG

PROJECT #: 2054-ID  
 PROJECT: Osprey Estates Subdivision  
 CLIENT: Westpark Companies  
 LOCATION: SW of E Lewis Ln and Southside Blvd, Nampa, ID

LOGGED BY: SJH  
 METHOD: Backhoe  
 EXCAVATOR: JustDigIt  
 DATE: 8/7/19  
 ELEVATION: \_\_\_\_\_

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-16	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2				SM	Lt. Brown to Tan, Silty SAND, Slightly Moist	MD	
3							
4							
5					<b>END OF TEST PIT @ 5.0' (PRACTICAL REFUSAL, BASALT ROCK)</b> <b>NO GROUNDWATER ENCOUNTERED</b>		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							





# TEST PIT LOG

**PROJECT #:** 2054-ID  
**PROJECT:** Osprey Estates Subdivision  
**CLIENT:** Westpark Companies  
**LOCATION:** SW of E Lewis Ln and Southside Blvd, Nampa, ID

**LOGGED BY:** SJH  
**METHOD:** Backhoe  
**EXCAVATOR:** JustDigt  
**DATE:** 8/7/19  
**ELEVATION:**

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-17	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2				ML	Brown to Lt. Brown, Sandy SILT, Slightly Moist	F	
3							
4				SM	Lt. Brown to Tan, Silty SAND, Slightly Moist	MD	
5					<b>END OF TEST PIT @ 5.0' (PRACTICAL REFUSAL, BASALT ROCK)</b> <b>NO GROUNDWATER ENCOUNTERED</b>		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



**GEOTEK**

# TEST PIT LOG

PROJECT #: 2054-ID  
 PROJECT: Osprey Estates Subdivision  
 CLIENT: Westpark Companies  
 LOCATION: SW of E Lewis Ln and Southside Blvd, Nampa, ID

LOGGED BY: SJH  
 METHOD: Backhoe  
 EXCAVATOR: JustDigIt  
 DATE: 8/7/19  
 ELEVATION: \_\_\_\_\_

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-18	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2				SM	Tan, Silty SAND w/ Basalt, Slightly Moist	MD	
3							
4					<b>END OF TEST PIT @ 4.0' (PRACTICAL REFUSAL, BASALT ROCK)</b>		
5					<b>NO GROUNDWATER ENCOUNTERED</b>		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							





# TEST PIT LOG

**PROJECT #:** 2054-ID  
**PROJECT:** Osprey Estates Subdivision  
**CLIENT:** Westpark Companies  
**LOCATION:** SW of E Lewis Ln and Southside Blvd, Nampa, ID

**LOGGED BY:** SJH  
**METHOD:** Backhoe  
**EXCAVATOR:** JustDigt  
**DATE:** 8/7/19  
**ELEVATION:**

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-19	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2				SM	Lt. Brown to Tan, Silty SAND, Slightly Moist	F	
3						MD	
4							
5							
6					<b>END OF TEST PIT @ 5.5' (PRACTICAL REFUSAL, BASALT ROCK)</b> <b>NO GROUNDWATER ENCOUNTERED</b>		
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



# TEST PIT LOG

**PROJECT #:** 2054-ID  
**PROJECT:** Osprey Estates Subdivision  
**CLIENT:** Westpark Companies  
**LOCATION:** SW of E Lewis Ln and Southside Blvd, Nampa, ID

**LOGGED BY:** SJH  
**METHOD:** Backhoe  
**EXCAVATOR:** JustDigIt  
**DATE:** 8/7/19  
**ELEVATION:**

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-20	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2				ML	Tan, Sandy SILT, Slightly Moist	F	
3							
4							
5							
6							
7							
8				SM	Lt. Brown, Silty SAND, Slightly Moist	D	Percolation test conducted @ 8.0'
9							
10					<b>END OF TEST PIT @ 10.0' (PRACTICAL REFUSAL, BASALT ROCK)</b> <b>NO GROUNDWATER ENCOUNTERED</b>		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



# TEST PIT LOG

**PROJECT #:** 2054-ID  
**PROJECT:** Osprey Estates Subdivision  
**CLIENT:** Westpark Companies  
**LOCATION:** SW of E Lewis Ln and Southside Blvd, Nampa, ID

**LOGGED BY:** SJH  
**METHOD:** Backhoe  
**EXCAVATOR:** JustDigt  
**DATE:** 8/7/19  
**ELEVATION:**

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-21	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2				ML	Lt. Brown to Tan, Sandy SILT, Slightly Moist	F	
3					<b>END OF TEST PIT @ 2.0' (PRACTICAL REFUSAL, BASALT ROCK)</b> <b>NO GROUNDWATER ENCOUNTERED</b>		
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							





# TEST PIT LOG

**PROJECT #:** 2054-ID  
**PROJECT:** Osprey Estates Subdivision  
**CLIENT:** Westpark Companies  
**LOCATION:** SW of E Lewis Ln and Southside Blvd, Nampa, ID

**LOGGED BY:** SJH  
**METHOD:** Backhoe  
**EXCAVATOR:** JustDigIt  
**DATE:** 8/7/19  
**ELEVATION:**

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-22	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Brown to Gray, SILT, Slightly Moist	So	Organics upper 1.0'
2				ML	Lt. Brown to Tan, Sandy SILT, Slightly Moist	F	
3							
4							
5					<b>END OF TEST PIT @ 4.5' (PRACTICAL REFUSAL, BASALT ROCK)</b> <b>NO GROUNDWATER ENCOUNTERED</b>		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



# TEST PIT LOG

**PROJECT #:** 2054-ID  
**PROJECT:** Osprey Estates Subdivision  
**CLIENT:** Westpark Companies  
**LOCATION:** SW of E Lewis Ln and Southside Blvd, Nampa, ID

**LOGGED BY:** SJH  
**METHOD:** Backhoe  
**EXCAVATOR:** JustDigt  
**DATE:** 8/7/19  
**ELEVATION:**

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-23 MATERIAL DESCRIPTION AND COMMENTS	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1			[Vertical hatching pattern]	ML	Dk. Brown to Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2						F	
3							
4							
5							
6							
7				ML	Lt. Brown, Sandy SILT, Slightly Moist	F	
8			[Horizontal hatching pattern]	PCEM	Tan, PARTIALLY CEMENTED Silty SAND, Slightly Moist	MH	
9			[Grid pattern]	SM	Lt. Brown to Brown, Silty SAND, Slightly Moist	D	
10					<b>END OF TEST PIT @ 9.5' (PRACTICAL REFUSAL, BASALT ROCK) NO GROUNDWATER ENCOUNTERED</b>		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



**GEOTEK**

# TEST PIT LOG

PROJECT #: 2054-ID  
 PROJECT: Osprey Estates Subdivision  
 CLIENT: Westpark Companies  
 LOCATION: SW of E Lewis Ln and Southside Blvd, Nampa, ID

LOGGED BY: SJH  
 METHOD: Backhoe  
 EXCAVATOR: JustDigt  
 DATE: 8/7/19  
 ELEVATION: \_\_\_\_\_

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-24	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Brown, SILT, Slightly Moist	So	Organics upper 1.0'
2			----	SM	Lt. Brown, Silty SAND, Slightly Moist	MD	
3					<b>END OF TEST PIT @ 1.5' (PRACTICAL REFUSAL, BASALT ROCK)</b>		
4					<b>NO GROUNDWATER ENCOUNTERED</b>		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							





**GEOTEK**

# TEST PIT LOG

PROJECT #: 2054-ID  
 PROJECT: Osprey Estates Subdivision  
 CLIENT: Westpark Companies  
 LOCATION: SW of E Lewis Ln and Southside Blvd, Nampa, ID

LOGGED BY: SJH  
 METHOD: Backhoe  
 EXCAVATOR: JustDigt  
 DATE: 8/7/19  
 ELEVATION: \_\_\_\_\_

Depth (ft)	SAMPLES			USCS Symbol	TEST PIT NUMBER: TP-25	Consistency	REMARKS
	Sample Type	Blows / 6 in.	Soil Pattern				
1				ML	Dk. Brown to Brown, Sandy SILT, Slightly Moist to Moist	So	Organics upper 1.0'
2						F	
3							
4							
5							
6							
7							
8					END OF TEST PIT @ 7.0' (PRACTICAL REFUSAL, BASALT ROCK)		
9					NO GROUNDWATER ENCOUNTERED		
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

## FIELD TESTS AND OBSERVATIONS (2054-ID)

### PERCOLATION TESTS

The infiltration rate was determined by conducting percolation tests for onsite earth materials. The infiltration rate was determined in inches per hour in general accordance with the City of Nampa requirements. Infiltration rate results are presented below. The infiltration rates provided below should be used for design and not exceeded.

<b>LOCATION</b>	<b>INFILTRATION RATE (Inches/Hour)</b>
TP-3 @ 2.0'	1.5
TP-11 @ 7.0'	2.7
TP-12 @ 2.5'	0.6
TP-20 @ 7.0'	3.3

### GROUND WATER MONITORING RESULTS

Ground water monitoring results are presented below. Ground water elevation results are recorded in feet below existing grade.

<b>STAND-PIPE PIEZOMETER #</b>	<b>TP-3</b>	<b>TP-11</b>	<b>TP-12</b>	<b>TP-20</b>
8/8/19	4.8+	12.1+	5.2+	10.1+

+ Indicates a dry reading at the bottom of the piezometer

n/a Indicates that the piezometer was damaged/missing in the field and no measurements were obtained.

## 2054-ID Osprey Estates Sub

	TP-3	TP-11	TP-12	TP-20
<b>8/8/19</b>	4.8'+	12.1'+	5.2'+	10.1'+
<b>9/5/19</b>	4.8'+	12.1'+	5.2'+	10.1'+
<b>10/3/19</b>	4.8'+	12.1'+	5.2'+	10.1'+
<b>5/22/20</b>	4.8'+	12.1'+	5.2'+	10.1'+

**KEY**

"+" Indicates dry reading at bottom of piezometer

"N/A" Indicates that piezometer is damaged or missing - therefore no data was obtained

"**BOLD**" Indicates that reading is believed to have been artificially influenced by local irrigation

**Note:** Groundwater elevation results are recorded in feet below approximate existing grade.

Generally, irrigation ditches and canals will locally influence ground water during the irrigation season.



## 2054-ID Osprey Estates Sub

	TP-3	TP-11	TP-12	TP-20
<b>8/8/19</b>	4.8'+	12.1'+	5.2'+	10.1'+
<b>9/5/19</b>	4.8'+	12.1'+	5.2'+	10.1'+
<b>10/3/19</b>	4.8'+	12.1'+	5.2'+	10.1'+
<b>5/22/20</b>	4.8'+	12.1'+	5.2'+	10.1'+
<b>6/24/20</b>	4.8'+	12.1'+	5.2'+	10.1'+

**KEY**

"+" Indicates dry reading at bottom of piezometer

"N/A" Indicates that piezometer is damaged or missing - therefore no data was obtained

"**BOLD**" Indicates that reading is believed to have been artificially influenced by local irrigation

***Note:** Groundwater elevation results are recorded in feet below approximate existing grade.*

*Generally, irrigation ditches and canals will locally influence ground water during the irrigation season.*

## 2054-ID Osprey Estates Sub

	TP-3	TP-11	TP-12	TP-20
8/8/19	4.8'+	12.1'+	5.2'+	10.1'+
9/5/19	4.8'+	12.1'+	5.2'+	10.1'+

**KEY**

"+" Indicates dry reading at bottom of piezometer

"N/A" Indicates that piezometer is damaged or missing - therefore no data was obtained

"BOLD" Indicates that reading is believed to have been artificially influenced by local irrigation

*Note: Groundwater elevation results are recorded in feet below approximate existing grade.*

*Generally, irrigation ditches and canals will locally influence ground water during the irrigation season.*

# 2054-ID Osprey Estates Sub

	TP-3	TP-11	TP-12	TP-20
8/8/19	4.8'+	12.1'+	5.2'+	10.1'+
9/5/19	4.8'+	12.1'+	5.2'+	10.1'+
10/3/19	4.8'+	12.1'+	5.2'+	10.1'+

**KEY**

"+" Indicates dry reading at bottom of piezometer

"N/A" Indicates that piezometer is damaged or missing - therefore no data was obtained

"**BOLD**" Indicates that reading is believed to have been artificially influenced by local irrigation

*Note: Groundwater elevation results are recorded in feet below approximate existing grade.*

*Generally, irrigation ditches and canals will locally influence ground water during the irrigation season.*



**Canyon County Development Services**  
111 N. 11th Ave. Room 140, Caldwell, ID 83605  
(208) 454-7458

**Building Division Email:** buildinginfo@canyonco.org

**Planning Division Email:** zoninginfo@canyonco.org

**Receipt Number:** 74524

**Date:** 5/23/2022

**Date Created:** 5/23/2022

**Receipt Type:** Normal Receipt

**Status:** Active

**Customer's Name:** T-O Engineers

**Comments:** SD2022-0027 location R29552014 0 TBD Southside Blvd Nampa

**CHARGES**

<u>Item Being Paid For:</u>	<u>Application Number:</u>	<u>Amount Paid:</u>	<u>Prevs Pymnts:</u>	<u>Unpaid Amnt:</u>
Planning - Final Plat	SD2022-0027	\$930.00	\$0.00	\$0.00
Planning - Final Plat Addition City Impact Area Fee	SD2022-0027	\$100.00	\$0.00	\$0.00
Planning - Final Plat Addition Per Lot Fee (Per Application)	SD2022-0027	\$410.00	\$0.00	\$0.00

**Sub Total:** \$1,440.00

**Sales Tax:** \$0.00

**Total Charges:** \$1,440.00

**PAYMENTS**

<u>Type of Payment:</u>	<u>Check/Ref Number:</u>	<u>Amount:</u>
Check	1389	\$1,440.00

**Total Payments:** \$1,440.00

**ADJUSTMENTS**

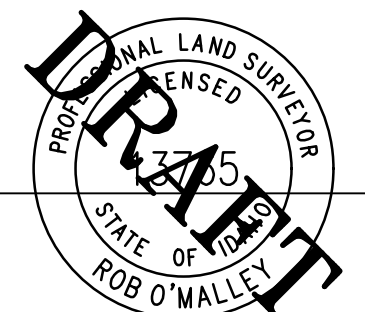
**Receipt Balance:** \$0.00

# OSPREY ESTATES SUBDIVISION NO. 2

LOCATED IN THE N1/2 OF THE NE1/4, SECTION 14, TOWNSHIP 2 NORTH, RANGE 2 WEST  
BOISE MERIDIAN, CANYON COUNTY, IDAHO  
2022

CP&F INST. NO.  
2008004669

CP&F INST. NO.  
2021-014756



ROB O'MALLEY  
IDAHO NO. 13765

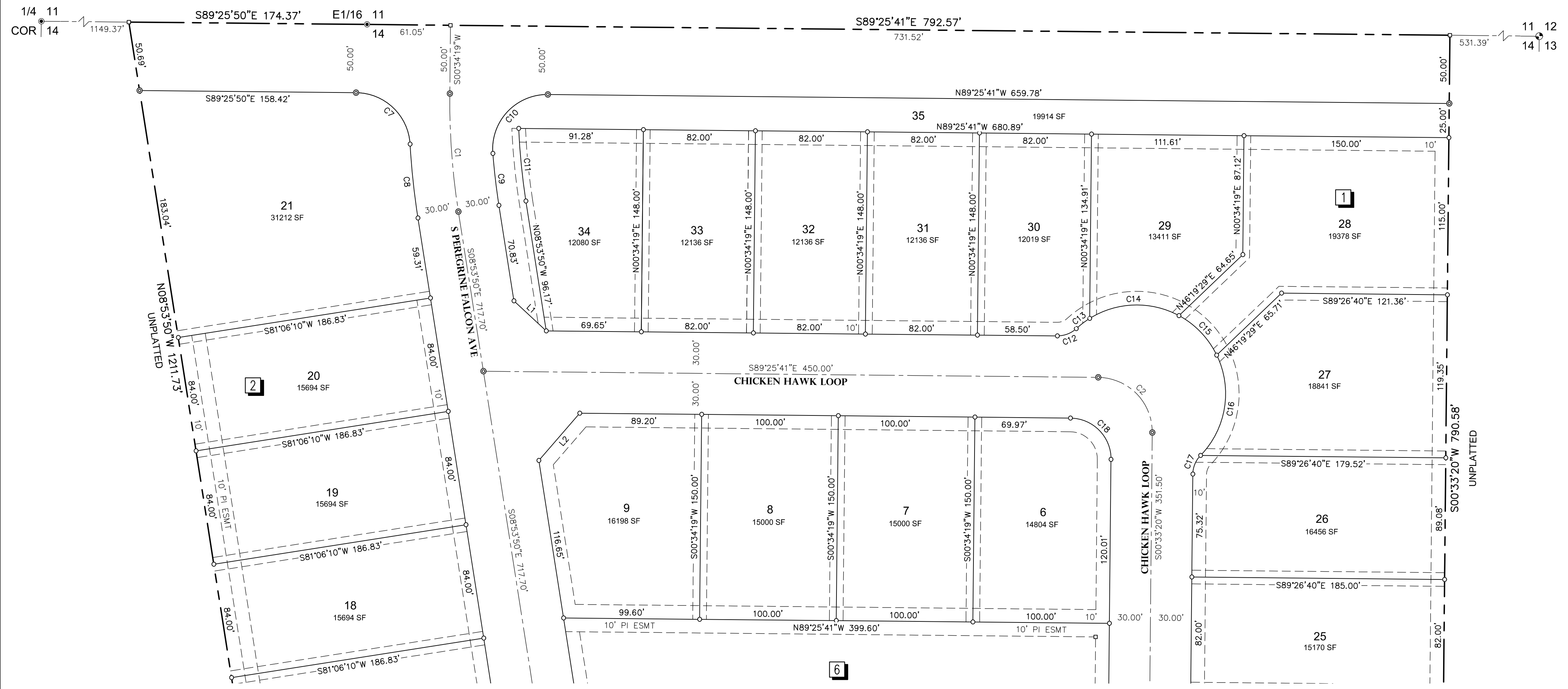
## APPROVAL OF NAMPA HIGHWAY DISTRICT NO. 1

NAMPA HIGHWAY DISTRICT NO. 1 DOES HEREBY ACCEPT THIS PLAT, AND THE DEDICATED PUBLIC STREETS, HIGHWAYS AND RIGHTS-OF-WAY AS ARE DEPICTED ON THIS PLAT, IN ACCORDANCE WITH THE PROVISIONS OF I.C. § 50-1312.

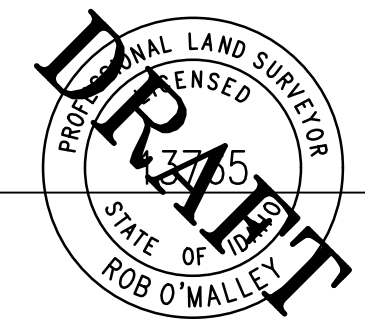
CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

**T-O ENGINEERS**  
332 N. BROADMORE WAY  
NAMPA, IDAHO 83687-5123  
PHONE: (208) 442-6300 WWW.TO-ENGINEERS.COM

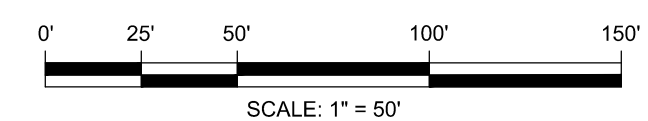
# OSPREY ESTATES SUBDIVISION NO. 2



SEE SHEET 3



ROB O'MALLEY  
IDAHO NO. 13765



CURVE TABLE					CURVE TABLE						
CURVE	RADIUS	LENGTH	DELTA	BEARING	CHORD	CURVE	RADIUS	LENGTH	DELTA	BEARING	CHORD
C1	525.00'	86.77'	9°28'09"	S4°09'46"E	86.67'	C12	20.00'	15.17'	43°26'46"	N68°50'55"E	14.80'
C2	40.00'	62.82'	89°59'01"	S44°26'11"E	56.56'	C13	65.00'	12.39'	10°55'17"	N52°35'11"E	12.37'
C7	40.00'	60.11'	86°06'13"	S46°22'44"E	54.61'	C14	65.00'	68.47'	60°21'27"	N88°13'33"E	65.35'
C8	555.01'	54.38'	5°36'51"	S6°05'24"E	54.36'	C15	65.00'	40.66'	35°50'26"	S43°40'31"E	40.00'
C9	495.00'	38.23'	4°25'32"	S6°41'04"E	38.23'	C16	65.00'	79.14'	69°45'24"	S9°07'24"W	74.34'
C10	40.00'	66.35'	95°02'37"	S43°03'00"W	59.00'	C17	20.00'	15.17'	43°26'46"	S22°16'43"W	14.80'
C11	475.00'	53.49'	6°27'08"	N5°40'16"W	53.46'	C18	30.00'	47.12'	89°59'01"	S44°26'11"E	42.42'

LINE TABLE		
LINE	BEARING	DISTANCE
L1	S47°11'05"E	32.28'
L2	S40°50'14"W	45.78'

LEGEND	
	PROPERTY BOUNDARY
	SECTION LINE
	RIGHT-OF-WAY LINE
	CENTERLINE
	LOT LINE
	EASEMENT LINE
	FOUND BRASS CAP MONUMENT
	FOUND 5/8" REBAR
	SET 5/8" REBAR & PLASTIC CAP
	SET 1/2" REBAR & PLASTIC CAP
	CALCULATED POINT
	LOT NUMBER
	BLOCK NUMBER

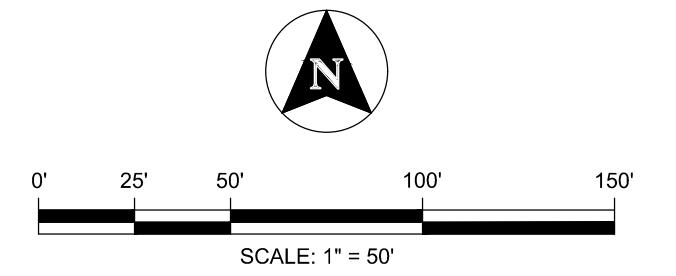
**T-O ENGINEERS**  
 332 N. BROADMORE WAY  
 NAMPA, IDAHO 83687-5123  
 PHONE: (208) 442-6300    WWW.TO-ENGINEERS.COM

L:\220027\3\_ACADDWG\SURVEY\2\_BOUNDARY\220027--V-FP.DWG

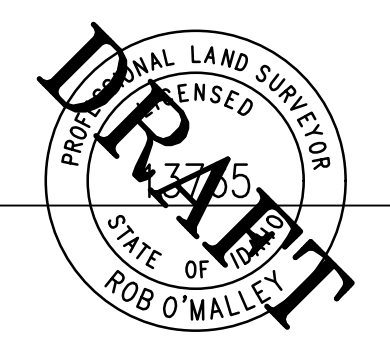


# OSPREY ESTATES SUBDIVISION NO. 2

SEE SHEET 2



LINE	BEARING	DISTANCE
L3	S54°18'09"E	31.02'
L4	S31°34'19"W	32.12'
L5	N81°06'10"E	51.89'
L6	N81°06'10"E	50.10'



ROB O'MALLEY  
IDAHO NO. 13765

	PROPERTY BOUNDARY
	SECTION LINE
	RIGHT-OF-WAY LINE
	CENTERLINE
	LOT LINE
	EXISTING PARCEL LINE
	EASEMENT LINE
	FOUND 5/8" REBAR
	SET 5/8" REBAR & PLASTIC CAP
	SET 5/8" REBAR & PLASTIC CAP
	CALCULATED POINT
	LOT NUMBER
	BLOCK NUMBER

CURVE TABLE						CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	BEARING	CHORD	CURVE	RADIUS	LENGTH	DELTA	BEARING	CHORD
C3	100.00'	105.26'	60°18'27"	S30°42'34"W	100.46'	C23	130.00'	42.17'	18°35'14"	S51°34'10"W	41.99'
C4	2000.00'	54.08'	1°32'58"	S9°40'19"E	54.08'	C24	150.00'	48.93'	18°41'25"	S70°12'30"W	48.71'
C5	2000.00'	54.08'	1°32'58"	S11°13'17"E	54.08'	C25	120.00'	24.44'	11°40'17"	S66°41'56"W	24.40'
C6	900.00'	9.24'	0°35'17"	S12°17'24"E	9.24'	C26	180.00'	44.03'	14°00'50"	S67°52'12"W	43.92'
C19	70.00'	52.02'	42°34'52"	S21°50'46"W	50.83'	C27	2030.00'	13.61'	0°23'03"	S9°05'22"E	13.61'
C20	70.00'	21.66'	17°43'36"	S51°59'59"W	21.57'	C28	2030.00'	88.04'	2°29'06"	S10°31'26"E	88.04'
C21	130.00'	48.25'	21°16'03"	S11°11'22"W	47.98'	C29	2030.00'	8.14'	0°13'47"	S11°52'52"E	8.14'
C22	130.00'	46.41'	20°27'10"	S32°02'58"W	46.16'	C30	930.00'	18.45'	1°08'12"	S12°33'52"E	18.45'

**T-O ENGINEERS**  
 332 N. BROADMORE WAY  
 NAMPA, IDAHO 83687-5123  
 PHONE: (208) 442-6300 WWW.TO-ENGINEERS.COM  
**SHEET NO. 3 OF 5**

# OSPREY ESTATES SUBDIVISION NO. 2

## CERTIFICATE OF OWNERS

KNOW ALL MEN BY THESE PRESENTS, THAT THE UNDERSIGNED ARE THE OWNERS OF THE PROPERTY HEREINAFTER DESCRIBED.

A PARCEL OF LAND SITUATED IN A PORTION OF THE N1/2 OF THE NE1/4 OF SECTION 14, TOWNSHIP 2 NORTH, RANGE 2 WEST, BOISE MERIDIAN, CANYON COUNTY, IDAHO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A 5/8 INCH REBAR MARKING THE EAST 1/16 CORNER BETWEEN SECTIONS 14 AND 11 OF SAID TOWNSHIP, FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 14 BEARS S.89°25'41"E., 1323.96 FEET; THENCE, ALONG THE NORTH BOUNDARY OF SAID NE1/4,

S.89°25'41"E., 792.57 FEET TO A 5/8 INCH REBAR; THENCE,

S.00°33'20"W., 790.58 FEET TO A 5/8 INCH REBAR ON THE NORTH BOUNDARY OF OPSREY ESTATES SUBDIVISION NO.1; THENCE ALONG SAID NORTH BOUNDARY,

S.60°51'47"W., 666.00 FEET TO A 5/8 INCH REBAR ON THE WEST RIGHT-OF-WAY OF S PEREGRINE FALCON AVE.; THENCE,

S.79°45'28"W., 47.89 FEET TO A 5/8 INCH REBAR; THENCE,

N.08°53'50"W., 1211.73 FEET TO A 5/8 INCH REBAR ON THE NORTH BOUNDARY OF SAID NE1/4, FROM WHICH A 5/8 INCH REBAR MARKING THE NORTH 1/4 CORNER OF SAID SECTION 14 BEARS N.89°25'50"E., A DISTANCE OF 1149.37 FEET; THENCE ALONG SAID NORTH BOUNDARY,

S.89°25'50"E., 174.37 FEET TO THE POINT OF BEGINNING.

CONTAINING: 20.477 ACRES, MORE OR LESS.

IT IS THE INTENTION OF THE UNDERSIGNED TO AND THEY HEREBY INCLUDE SAID LAND IN THIS PLAT. THE PUBLIC STREETS SHOWN ON THIS PLAT ARE HEREBY DEDICATED TO THE PUBLIC. THE EASEMENTS AS SHOWN ON THIS PLAT ARE NOT DEDICATED TO THE PUBLIC, BUT THE RIGHT TO USE SAID EASEMENTS IS HEREBY PERPETUALLY RESERVED FOR PUBLIC UTILITIES AND FOR SUCH OTHER USES AS DESIGNATED HEREON. ALL LOTS IN THIS SUBDIVISION WILL BE ELIGIBLE TO RECEIVE DOMESTIC WATER SERVICE FROM THE CITY OF NAMPA, IDAHO, AND SAID CITY OF NAMPA HAS AGREED IN WRITING TO SERVE ALL THE LOTS IN THIS SUBDIVISION.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_

ASUMENDI HOLDINGS, LLC, AN IDAHO LIMITED LIABILITY COMPANY

By: \_\_\_\_\_  
GREGORY JOHNSON, AGENT, OE DEVELOPMENT, LLC.

## ACKNOWLEDGMENT

STATE OF IDAHO }  
COUNTY OF COUNTY } S.S.

ON THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_, BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC IN AND FOR SAID STATE, PERSONALLY APPEARED GREGORY JOHNSON, KNOWN OR IDENTIFIED TO ME TO BE AN AGENT OF OE DEVELOPMENT LLC, AN IDAHO LIMITED LIABILITY COMPANY, WHO SUBSCRIBED TO THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE WITHIN INSTRUMENT ON BEHALF OF SAID COMPANY, AND THAT SUCH LIMITED LIABILITY COMPANY EXECUTED THE SAME IN NAME.

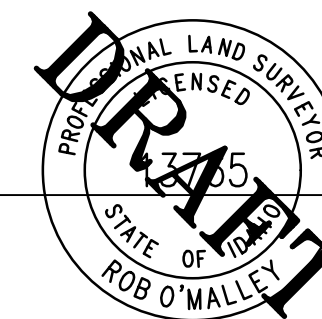
IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL THE DAY AND YEAR IN THIS CERTIFICATE FIRST ABOVE WRITTEN.

\_\_\_\_\_  
NOTARY PUBLIC FOR THE STATE OF IDAHO

## CERTIFICATE OF SURVEYOR

I, ROB O'MALLEY, DO HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR, LICENSED BY THE STATE OF IDAHO, AND THAT THIS PLAT AS DESCRIBED IN THE "CERTIFICATE OF OWNERS" WAS DRAWN FROM THE FIELD NOTES OF A SURVEY MADE ON THE GROUND UNDER MY DIRECT SUPERVISION AND ACCURATELY REPRESENTS THE POINTS PLATTED HEREON, AND IS IN CONFORMITY WITH THE STATE OF IDAHO CODE RELATING TO PLATS AND SURVEYS AND THE CORNER PERPETUATION AND FILING ACT, IDAHO CODE 55-1601 THROUGH 55-1612.

\_\_\_\_\_  
ROB O'MALLEY  
IDAHO NO. 13765



**TO T-O ENGINEERS**

332 N. BROADMORE WAY  
NAMPA, IDAHO 83687-5123  
PHONE: (208) 442-6300 WWW.TO-ENGINEERS.COM

SHEET NO. 4 OF 5

OSPREY ESTATES SUBDIVISION NO. 2

SATISFACTION OF SANITARY RESTRICTION

SANITARY RESTRICTIONS AS REQUIRED BY IDAHO CODE, TITLE 50 CHAPTER 13 HAVE BEEN SATISFIED. SANITARY RESTRICTIONS MAY BE RE-IMPOSED, IN ACCORDANCE WITH SECTION 50-1326, IDAHO CODE, BY THE ISSUANCE OF A CERTIFICATE OF DISAPPROVAL.

\_\_\_\_\_  
SOUTHWEST DISTRICT HEALTH DEPARTMENT

\_\_\_\_\_  
DATE

APPROVAL OF CANYON COUNTY HIGHWAY DISTRICT NO. 4

CANYON HIGHWAY DISTRICT NO. 4 DOES HEREBY ACCEPT THIS PLAT, AND THE DEDICATED PUBLIC STREETS, HIGHWAYS, AND RIGHTS-OF-WAY AS ARE DEPICTED ON THIS PLAT, IN ACCORDANCE WITH THE PROVISIONS OF IDAHO CODE 50-1312.

\_\_\_\_\_  
COMMISSIONER, CANYON HIGHWAY DISTRICT NO. 4

\_\_\_\_\_  
DATE

APPROVAL OF PLANNING AND ZONING COMMISSION

ACCEPTED AND APPROVED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20XX, BY THE CANYON COUNTY PLANNING AND ZONING COMMISSION, CANYON COUNTY, IDAHO.

\_\_\_\_\_  
CHAIRMAN

\_\_\_\_\_  
DATE

APPROVAL OF COUNTY COMMISSIONERS

ACCEPTED AND APPROVED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20XX, BY THE CANYON COUNTY PLANNING AND ZONING COMMISSION, CANYON COUNTY, IDAHO.

\_\_\_\_\_  
CHAIRMAN

\_\_\_\_\_  
DATE

CERTIFICATE OF COUNTY SURVEYOR

I, THE UNDERSIGNED, A LICENSED PROFESSIONAL LAND SURVEYOR FOR CANYON COUNTY, IDAHO, DO HEREBY CERTIFY THAT I HAVE CHECKED THIS PLAT AND THAT IT COMPLIES WITH THE STATE OF IDAHO CODE RELATING TO PLATS AND VACATIONS.

\_\_\_\_\_  
CANYON COUNTY SURVEYOR

\_\_\_\_\_  
DATE

CERTIFICATE OF THE COUNTY TREASURER

I, THE UNDERSIGNED, COUNTY TREASURER IN AND FOR THE COUNTY OF CANYON, STATE OF IDAHO, PER THE REQUIREMENTS OF I.C. 50-1308, DO HEREBY CERTIFY THAT ANY AND ALL CURRENT AND OR DELINQUENT COUNTY PROPERTY TAXES FOR THE PROPERTY INCLUDED IN THIS SUBDIVISION HAVE BEEN PAID IN FULL. THIS CERTIFICATION IS VALID FOR THE NEXT THIRTY (30) DAYS ONLY.

\_\_\_\_\_  
COUNTY TREASURER

\_\_\_\_\_  
DATE



332 N. BROADMORE WAY  
NAMPA, IDAHO 83687-5123  
PHONE: (208) 442-6300 WWW.TO-ENGINEERS.COM

SHEET NO. 5 OF 5