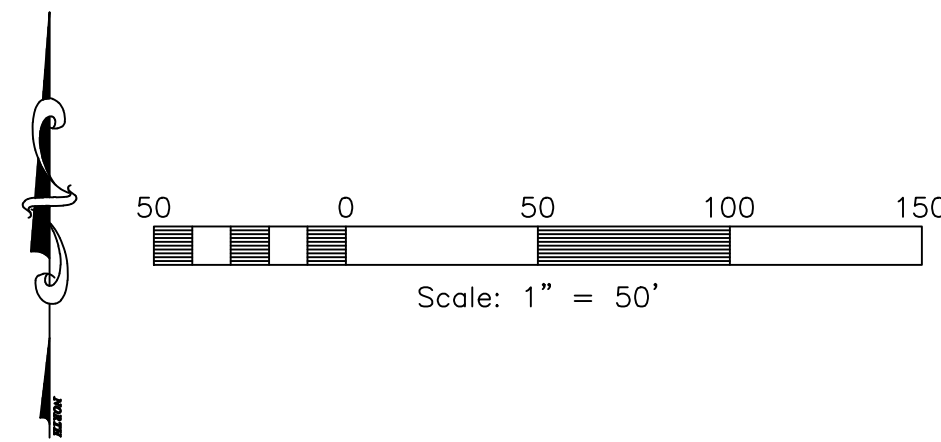




VICINITY MAP  
SCALE: NONE



**NOTES**

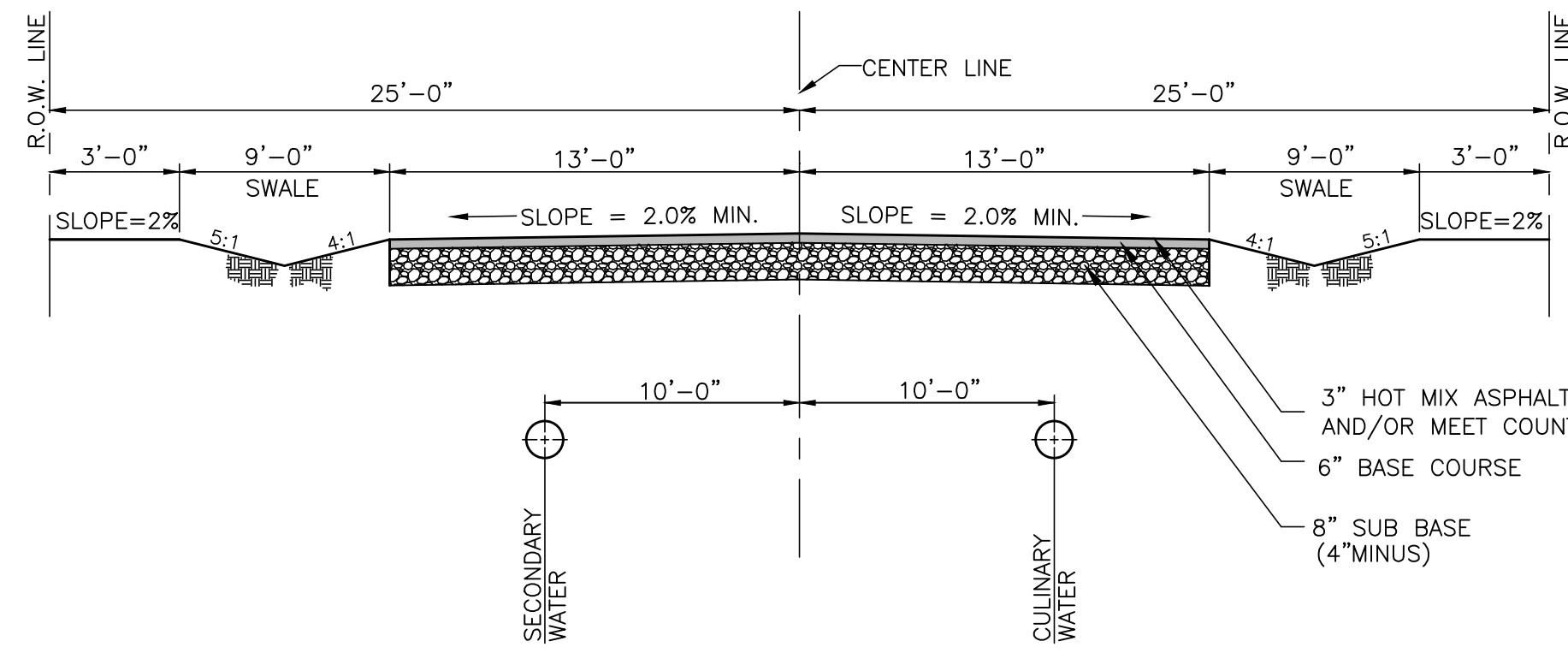
1. CONTOURS ARE SHOWN WITH A ONE FOOT INTERVAL.
2. CONNECT TO EXISTING CULINARY & SECONDARY UTILITIES IN 4700 WEST STREET.
3. PROJECT ZONE X PER FEMA FLOOD MAP 49057C0425E, EFFECTIVE 12/16/2005.
4. STORM WATER RUN-OFF WILL SURFACE FLOW INTO DITCH WEST OF PROPERTY.

**TEST PIT DATA**

**EXPLORATION PIT #1** - (UTM ZONE 12 NAD 83 0408282 E 4562964 N)  
 0-18" LOAM, GRANULAR STRUCTURE, 5% FINE GRAVEL  
 18-44" SANDY LOAM, MASSIVE STRUCTURE,  
 44-68" SANDY LOAM, MANY MOTTLES THROUGHOUT @ 45 INCHES  
 GROUND WATER @ 68"

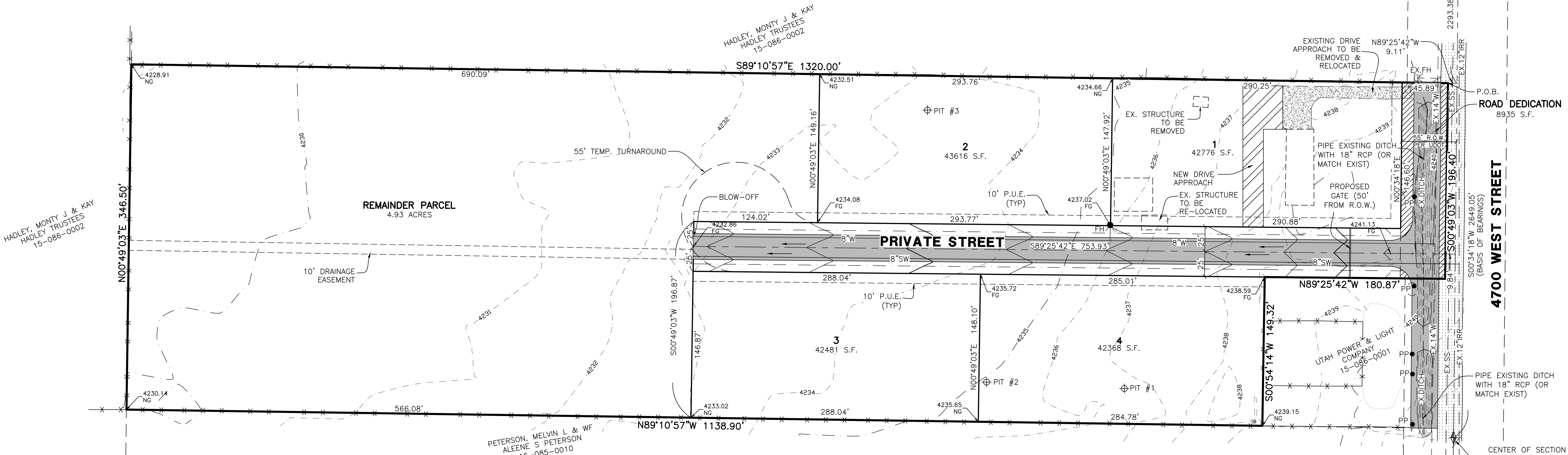
**EXPLORATION PIT #2** - (UTM ZONE 12 NAD 83 0408240 E 4522966 N)  
 0-08" LOAM, GRANULAR STRUCTURE  
 08-63" SANDY LOAM, MASSIVE STRUCTURE  
 63-73" SANDY LOAM, MOTTLING @ 64 INCHES  
 GROUND WATER @ 73"

**EXPLORATION PIT #3** - (UTM ZONE 12 NAD 83 0408222 E 4563049 N)  
 0-16" LOAM, GRANULAR STRUCTURE  
 17-48" SANDY LOAM, MASSIVE STRUCTURE  
 48-72" SANDY LOAM, MOTTLING @ 60 INCHES  
 GROUND WATER @ 71"



**STREET SECTION (50' R.O.W.) PRIVATE ROAD**  
SCALE: NONE

NOTE: THESE PAVEMENT THICKNESS SHALL BE CONSIDERED AS MINIMUMS AND MAY BE INCREASED BY THE COUNTY ENGINEER WHEN THE SUBGRADE C.B.R. IS LESS THAN 10 OR WHEN A GREATER DEPTH IS NECESSARY TO PROVIDE SUFFICIENT STABILITY. DEVELOPER MAY SUBMIT AN ALTERNATIVE PAVEMENT DESIGN BASED ON A SOILS ANALYSIS FOR APPROVAL BY THE COUNTY ENGINEER. COMPACTION TESTS ON BOTH SUB-BASE AND BASE COURSES WILL BE REQUIRED.



**ZONE INFO.**

**ZONE A-1 (AGRICULTURAL ZONE)**

MIN. LOT AREA: 40,000 FT.  
 FRONT SETBACK: 30 FT.  
 SIDE SETBACK: 10 FT. W/TOTAL OF 2  
 SIDE YARDS NOT LESS THAN 24 FT.  
 REAR SETBACK: 30 FT.

**BOUNDARY DESCRIPTION**

PART OF THE NORTHWEST QUARTER OF SECTION 32, TOWNSHIP 6 NORTH, RANGE 2 WEST, SALT LAKE BASE & MERIDIAN, U.S. SURVEY. MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT, SAID POINT BEING S00°34'18"W 2293.38 FEET AND N89°25'42"W 9.11 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION 32; THENCE S00°49'03"W 196.40 FEET; THENCE N89°25'42"W 180.87 FEET; THENCE S00°54'14"W 149.32 FEET; THENCE N89°10'57"W 1138.90 FEET; THENCE N00°49'03"E 346.50 FEET; THENCE S89°10'57"E 1320.00 FEET TO THE POINT OF BEGINNING. CONTAINING 430285 SQUARE FEET OR 9.878 ACRES MORE OR LESS

**Storm Runoff Calculations**

Butler Property  
 11/22/2019 6403-01

The following runoff calculations are based on the Rainfall - Intensity - Duration Frequency Curve for the Farr West, Utah area taken from the NOAA Atlas 14 database. Calculations have been completed for the peak runoff for the site.

The calculations are as follows:

<b>Drainage Area:</b>	Total Area =	9.91 acre or	431,504 ft <sup>2</sup>
	Runoff Coefficients		
	Paved Area	31,207	C = 0.9
	Roof	10,400	C = 0.9
	Landscaped Area	389,897	C = 0.2
	Weighted Runoff Coefficient		C = 0.27

**Rainfall Intensities:**  
 10-yr intensity for a 15 minute TOC - Pipe Capacity: 2.06 in/hr

<b>Peak Run-off:</b>	Runoff Coefficient	C =	0.27
	Rainfall Intensity	i =	2.06 IN./HR.
	Acreage	A =	9.91 ACRES
	Q	Q =	5.46 cfs

**LEGEND**

- ◆ = SECTION CORNER
- = BOUNDARY LINE
- = LOT LINE
- - - = ADJOINING PROPERTY
- - - = EASEMENTS
- = ROAD CENTERLINE
- - - = SECTION TIE LINE
- SS = PROPOSED SANITARY SEWER LINE
- - - EX.SS = EXISTING SANITARY SEWER LINE
- SW = PROPOSED SECONDARY WATER LINE
- - - EX.SW = EXISTING SECONDARY WATER LINE (SIZE VARIES)
- W = PROPOSED CULINARY WATER LINE (SIZE VARIES)
- - - EX.W = EXISTING CULINARY WATER LINE
- = EXISTING FENCE LINE
- ⊕ # = TEST PIT
- P.U.E. = PUBLIC UTILITY EASEMENT
- FH = PROPOSED FIRE HYDRANT
- EX.FH = EXISTING FIRE HYDRANT
- ⊕ = EXISTING FIRE HYDRANT
- ⊕ = PROPOSED FIRE HYDRANT
- = PROPOSED SINGLE GRATE CATCH BASIN WITH BICYCLE-SAFE GRATE
- PP = EXISTING POWER POLE
- ▨ = EXISTING ASPHALT SURFACE
- ▨ = PROPOSED ASPHALT SURFACE
- - - = EXISTING STRUCTURE
- ▨ = ROAD DEDICATION

**Butler Subdivision**

Weber County, Utah

**Reeve & Associates, Inc.**  
 5160 S. 1500 W., RIVERDALE, UTAH 84405  
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 LAND PLANNERS • CIVIL ENGINEERS • LAND SURVEYORS  
 ARCHITECTS • STRUCTURAL ENGINEERS • LANDSCAPE ARCHITECTS

REVISIONS	DESCRIPTION

**Butler Subdivision**  
 PART OF THE NW 1/4 OF SECTION 32, T.6N., R.2W., S.11B. & M., U.S. SURVEY  
 WEBER COUNTY, UTAH

**Preliminary Design**

<b>Project Info.</b>
Engineer: N. Reeve
Designer: C. Cove
Begin Date: 7-9-19
Name: BUTLER SUBDIVISION
Number: 6403-01

**DEVELOPER:**

Jeff Butler  
 2843 S. 4700 W.  
 Taylor, UT. 84401  
 (801) 710-9568