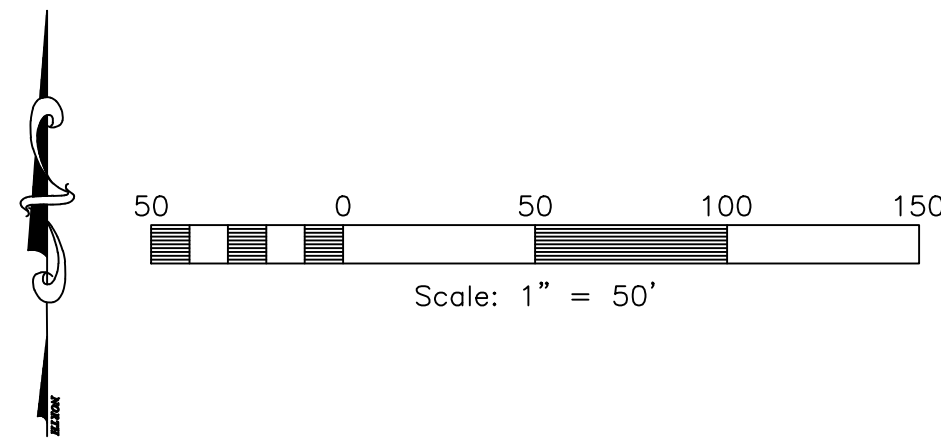




VICINITY MAP
SCALE: NONE



NOTES

- CONTOURS ARE SHOWN WITH A ONE FOOT INTERVAL.
- CONNECT TO EXISTING CULINARY & SECONDARY UTILITIES IN 4700 WEST STREET.
- PROJECT ZONE X PER FEMA FLOOD MAP 49057C0425E, EFFECTIVE 12/16/2005.
- STORM WATER RUN-OFF WILL SURFACE FLOW INTO DITCH WEST OF PROPERTY.
- PROPOSED STREET IS A 30' ACCESS EASEMENT DUE TO THE TOPOGRAPHY AND LOCATION OF THIS SUBDIVISION ALL OWNERS WILL ACCEPT RESPONSIBILITY FOR ANY STORM WATER RUNOFF FROM THE ROAD ADJACENT TO THIS PROPERTY.
- A 10' EASEMENT WILL BE GIVEN FOR ANY PIPED DITCHES.
- CONSTRUCT SWALES AS NECESSARY.
- LOTS WILL HAVE INDIVIDUAL SEPTIC SYSTEMS.

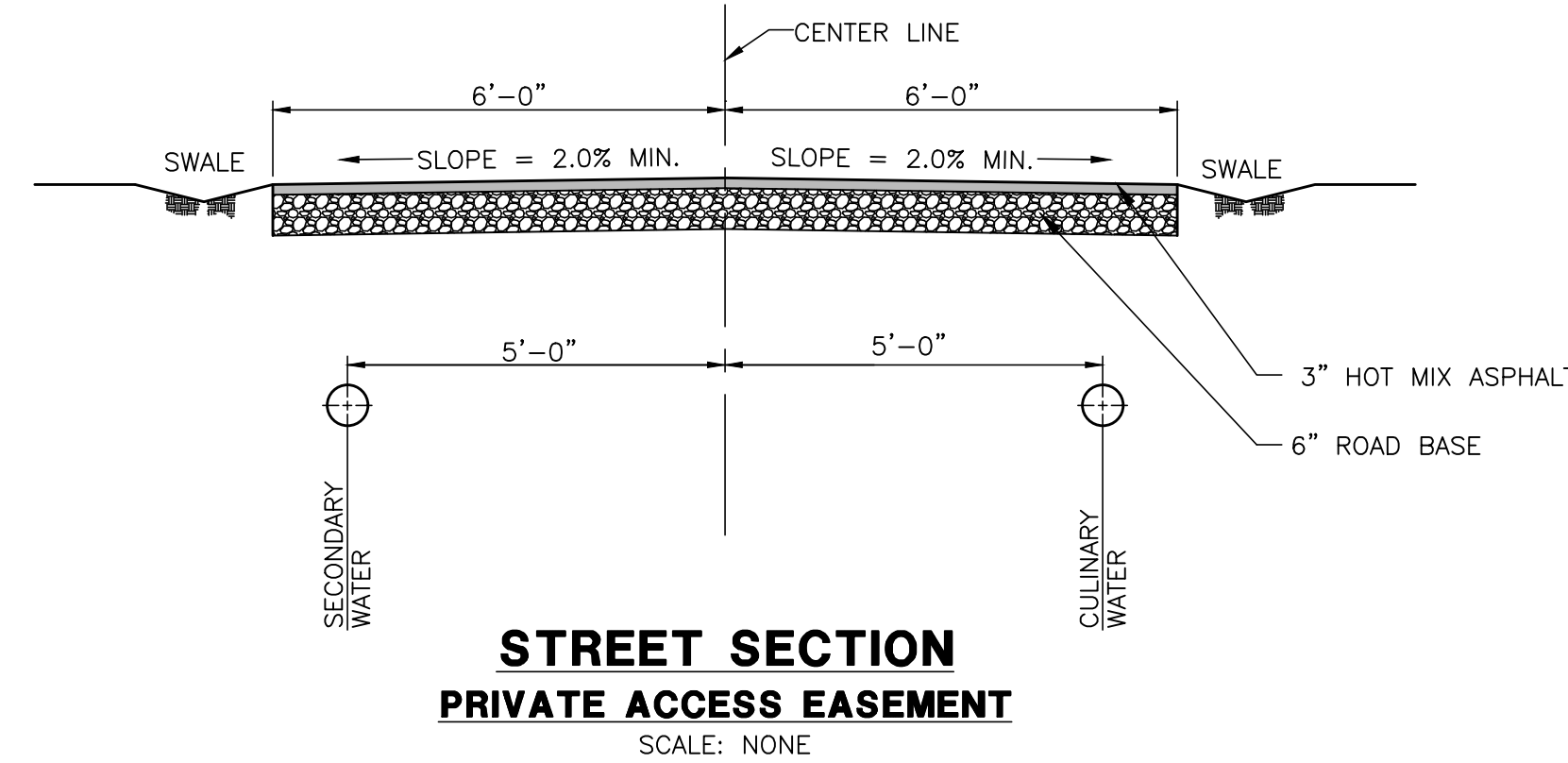
TEST PIT DATA

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"

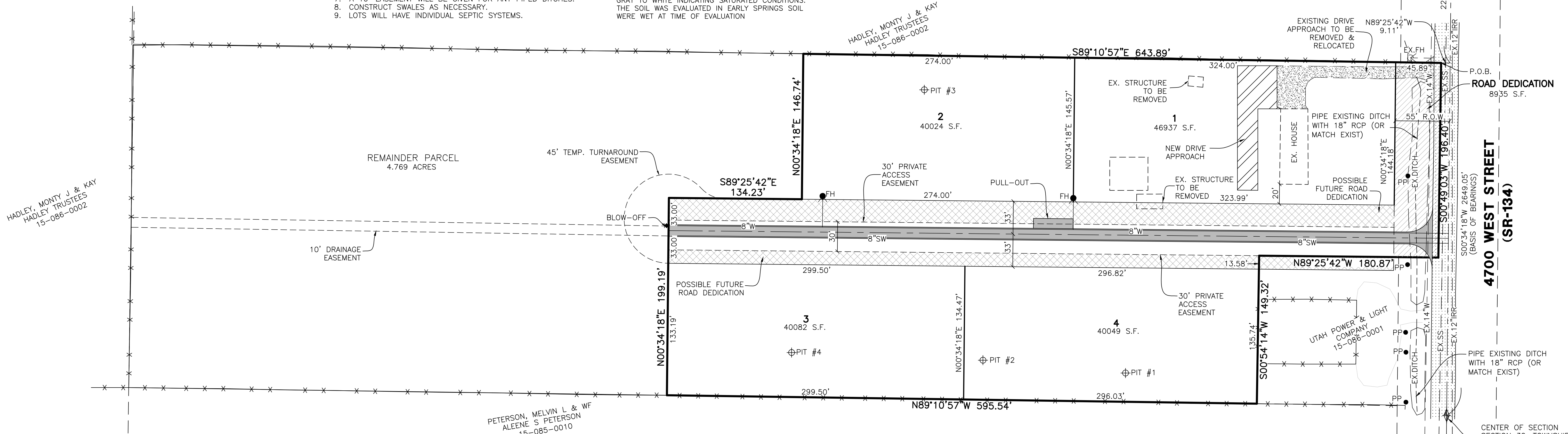
EXPLORATION PIT #3 - (UTM ZONE 12 NAD 83 0408222 E 4563049 N)
0-16" LOAM, GRANULAR STRUCTURE
17-48" SANDY LOAM, MASSIVE STRUCTURE
48-72" SANDY LOAM, MOTTLING @ 60 INCHES
GROUND WATER @ 71"

EXPLORATION PIT #4 - (UTM ZONE 12 NAD 83 0408181 E 4562972 N)
0-11" LOAM, GRANULAR STRUCTURE
11-29" SANDY LOAM, MASSIVE STRUCTURE
29-65" SANDY LOAM, HORIZON AS A IS LIGHT GRAY TO WHITE INDICATING SATURATED CONDITIONS. THE SOIL WAS EVALUATED IN EARLY SPRINGS SOIL WERE WET AT TIME OF EVALUATION



STREET SECTION
PRIVATE ACCESS EASEMENT
SCALE: NONE

NORTH QUARTER CORNER OF SECTION 32, TOWNSHIP 6 NORTH, RANGE 2 WEST, SALT LAKE BASE & MERIDIAN, U.S. SURVEY



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 595.54 FEET; THENCE N00°34'18"E 199.19 FEET; THENCE S89°25'42"E 134.23 FEET; THENCE N00°34'18"E 146.74 FEET; THENCE S89°10'57"E 643.89 FEET TO THE POINT OF BEGINNING.

CONTAINING 222,530 SQUARE FEET OR 5.109 ACRES MORE OR LESS

Storm Runoff Calculations

Butler Property
11/22/2019 09:01 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:

Drainage Area:	Total Area =	9.91 acre or	431,504 ft ²
	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**

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

LEGEND

- = SECTION CORNER
- = BOUNDARY LINE
- = LOT LINE
- = ADJOINING PROPERTY
- = EASEMENTS
- = ROAD CENTERLINE
- = SECTION TIE LINE
- = PROPOSED SECONDARY WATER LINE
- = EX.S.W. = EXISTING SECONDARY WATER LINE (SIZE VARIES)
- = W = PROPOSED CULINARY WATER LINE (SIZE VARIES)
- = EX.W. = EXISTING CULINARY WATER LINE
- = EXISTING FENCE LINE
- = PLUG W/ 2" BLOW-OFF
- = TEST PIT
- = PUBLIC UTILITY EASEMENT
- FH = PROPOSED FIRE HYDRANT
- EX.FH = EXISTING FIRE HYDRANT
- = EXISTING FIRE HYDRANT
- = PROPOSED FIRE HYDRANT
- PP = EXISTING POWER POLE
- = EXISTING ASPHALT SURFACE
- = PROPOSED ASPHALT SURFACE
- = ROAD DEDICATION
- = EXISTING STRUCTURE
- = POSSIBLE FUTURE ROAD DEDICATION

Reeve & Associates, Inc.
5160 SOUTH 1500 WEST RIVERDALE, UTAH 84405
TEL: (801) 821-3100 FAX: (801) 821-2666 www.reeve-assoc.com
LAND PLANNERS • CIVIL ENGINEERS • LAND SURVEYORS
HYDRO ENGINEERS • STRUCTURAL ENGINEERS • LANDSCAPE ARCHITECTS

REVISIONS	DATE	DESCRIPTION
	2-17-20	City Comments
	4-07-20	City Comments

Bridger Butler Subdivision
PART OF THE NW 1/4 OF SECTION 32, T.6N., R.2W., S.18B. & M., U.S. SURVEY
WEBER COUNTY, UTAH

Preliminary Design

Project Info.
Engineer: N. Reeve
Designer: C. Cave
Begin Date: 7-9-19
Name: BRIDGER BUTLER SUBDIVISION
Number: 6403-01

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

Bridger Butler Subdivision

Weber County, Utah

Sheet	1
1	Sheets