

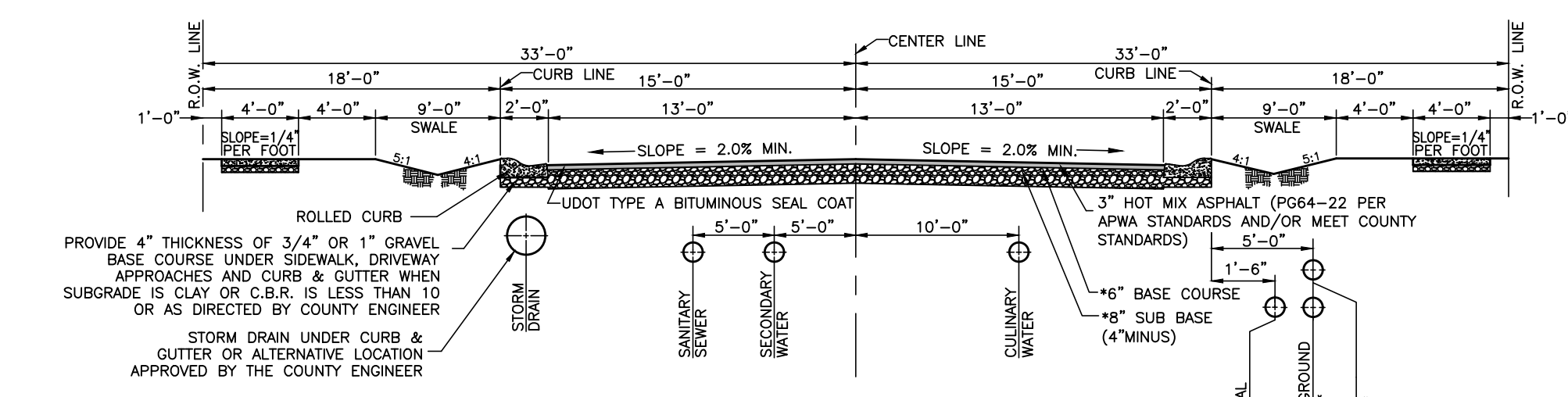
VICINITY MAP
SCALE: NONE

LEGEND

- SECTION CORNER
- BOUNDARY LINE
- LOT LINE
- - - ADJOINING PROPERTY
- - - EASEMENTS
- - - SECTION TIE LINE
- - - SS - PROPOSED SANITARY SEWER LINE
- - - EX.SS - EXISTING SANITARY SEWER LINE
- - - IRR - PROPOSED IRRIGATION WATER LINE
- - - EX.IRR - EXISTING IRRIGATION WATER LINE (SIZE VARIES)
- - - W - PROPOSED CULINARY WATER LINE (SIZE VARIES)
- - - EX.W - EXISTING CULINARY WATER LINE
- - - X - EXISTING FENCE LINE
- EXISTING STRUCTURE
- PROPOSED FIRE HYDRANT
- EXISTING FIRE HYDRANT
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING MANHOLE
- PLUG W/ 2" BLOW-OFF
- EXISTING POWER POLE
- AIR-VAC ASSEMBLY
- EXISTING POWER POLE
- P.U.E. - PUBLIC UTILITY EASEMENT
- FH - FIRE HYDRANT

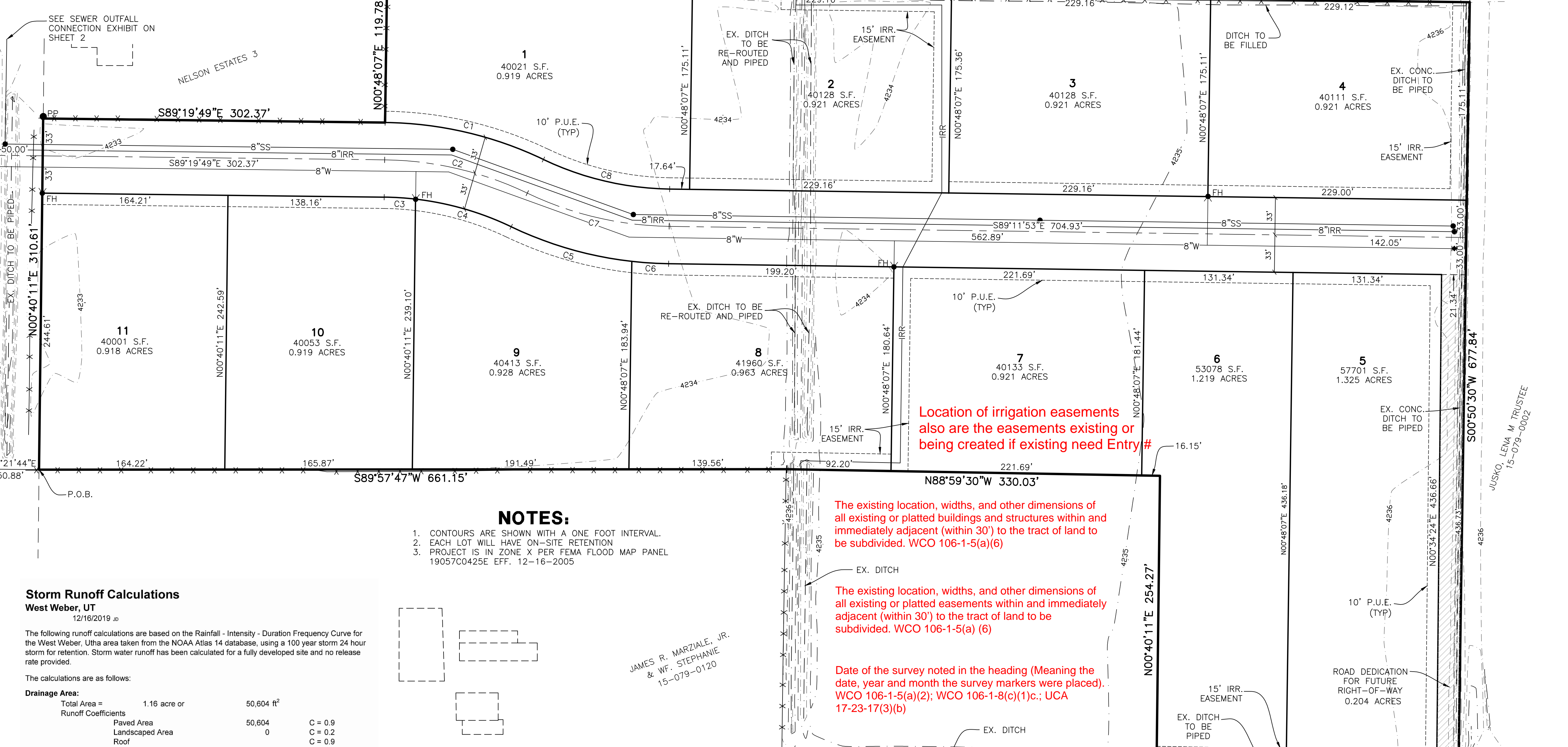
CURVE TABLE

#	RADIUS	ARC LENGTH	CHD LENGTH	TANGENT	CHD BEARING	DELTA
C1	333.00'	144.89'	143.75'	73.61'	S76°51'54"E	24°55'49"
C2	300.00'	130.53'	129.51'	66.32'	S76°51'54"E	24°55'49"
C3	267.00'	27.75'	27.73'	13.89'	S86°21'11"E	5°57'15"
C4	267.00'	88.43'	88.03'	44.62'	S73°53'17"E	18°58'34"
C5	333.00'	111.53'	111.01'	56.29'	S73°59'41"E	19°11'23"
C6	333.00'	32.60'	32.58'	16.31'	S86°23'38"E	5°36'30"
C7	300.00'	129.84'	128.83'	65.95'	S76°47'56"E	24°47'53"
C8	267.00'	115.56'	114.66'	58.70'	S76°47'56"E	24°47'53"
C9	30.00'	22.08'	21.58'	11.57'	S21°53'10"W	42°10'06"
C10	55.00'	126.87'	100.56'	124.02'	S23°06'50"E	132°10'06"
C11	55.00'	126.87'	100.56'	124.02'	N24°43'04"E	132°10'06"
C12	30.00'	22.08'	21.58'	11.57'	N20°16'56"W	42°10'06"



Street Section (66' R.O.W.)
SCALE: NONE
*VERIFY LOCATION WITH PHONE, GAS AND POWER COMPANIES.

NORTH QUARTER CORNER OF SECTION 29, TOWNSHIP 6 NORTH, RANGE 2 WEST, SALT LAKE BASE AND MERIDIAN, U.S. SURVEY, FOUND WEBER COUNTY SURVEY BRASS CAP MONUMENT STAMPED 1960



- NOTES:**
1. CONTOURS ARE SHOWN WITH A ONE FOOT INTERVAL.
 2. EACH LOT WILL HAVE ON-SITE RETENTION
 3. PROJECT IS IN ZONE X PER FEMA FLOOD MAP PANEL 19057C0425E EFF. 12-16-2005

The existing location, widths, and other dimensions of all existing or platted buildings and structures within and immediately adjacent (within 30') to the tract of land to be subdivided. WCO 106-1-5(a)(6)

The existing location, widths, and other dimensions of all existing or platted easements within and immediately adjacent (within 30') to the tract of land to be subdivided. WCO 106-1-5(a) (6)

Date of the survey noted in the heading (Meaning the date, year and month the survey markers were placed). WCO 106-1-5(a)(2); WCO 106-1-8(c)(1)(c); UCA 17-23-17(3)(b)

The Township, range, and quarter section of the Subdivision in bold letters at the top of the sheet. WCO 106-1-5(a)(1); WCO 106-1-8(c)(1)(a); UCA 17-23-17(3)(a)

General Location of the Subdivision in bold letters at the top of the sheet. (e.g. City, County, State) WCO 106-1-5(a)(1); WCO 106-1-8(c)(1)(a)

BOUNDARY DESCRIPTION

PART OF THE SOUTHEAST QUARTER OF SECTION 29, TOWNSHIP 6 NORTH, RANGE 2 WEST, SALT LAKE BASE & MERIDIAN, U.S. SURVEY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT WEST RIGHT-OF-WAY LINE OF 4700 WEST STREET, SAID POINT BEING N00°38'16"E 1579.30 FEET AND S89°21'44"E 50.88 FEET FROM THE SOUTH QUARTER CORNER OF SAID SECTION 29; THENCE N00°40'11"E 310.61 FEET; THENCE S89°19'49"E 302.37 FEET; THENCE N00°48'07"E 119.78 FEET; THENCE S89°11'53"E 957.50 FEET; THENCE S00°50'30"W 677.84 FEET; THENCE N88°59'30"W 266.99 FEET; THENCE N00°40'11"E 254.27 FEET; THENCE N88°59'30"W 330.03 FEET; THENCE S89°57'47"W 661.15 FEET TO THE POINT OF BEGINNING.

CONTAINING 566265 SQUARE FEET OR 13.000 ACRES MORE OR LESS

DESIGN SPECS

AVERAGE LOT SIZE: 43,473 S.F.
AVERAGE FRONTAGE: 199.41 FT.

Subdivision Name in bold letters at the top of the sheet. WCO 106-1-5(a)(1); WCO 106-1-8(c)(1)(a)

Storm Runoff Calculations
West Weber, UT
12/16/2019

The following runoff calculations are based on the Rainfall - Intensity - Duration Frequency Curve for the West Weber, Utah area taken from the NOAA Atlas 14 database, using a 100 year storm 24 hour storm for retention. Storm water runoff has been calculated for a fully developed site and no release rate provided.

The calculations are as follows:

Drainage Area:
Total Area = 1.16 acre or 50,604 ft²

Runoff Coefficients	Area	C
Paved Area	50,604	C = 0.9
Landscaped Area	0	C = 0.2
Roof	0	C = 0.9

Weighted Runoff Coefficient C = 0.56

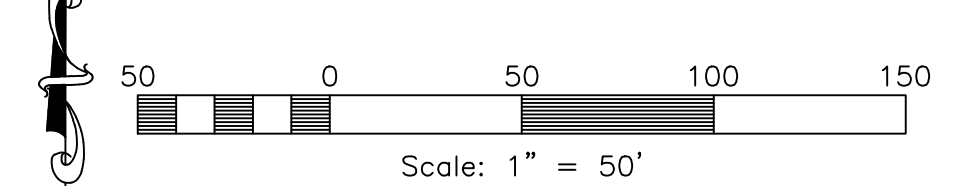
Volume of Run-off for 100-year Storm Event:

time (min)	time (sec)	i (in./hr.)	Q (cfs)	Vol. in (cf)	Vol. out (cf)	Difference (cf)
0	0	0.00	0.00	0	0	0
5	300	6.5	4.25	1275	0	1275
10	600	4.95	3.24	1941	0	1941
15	900	4.09	2.67	2406	0	2406
30	1800	2.75	1.80	3235	0	3235
60	3600	1.7	1.11	4000	0	4000
120	7200	0.928	0.61	4367	0	4367
180	10800	0.633	0.41	4469	0	4469
360	21600	0.353	0.23	4984	0	4984
720	43200	0.215	0.14	6071	0	6071
1440	86400	0.119	0.08	6720	0	6720

SUMMARY:
The required storage volume is **6,720** cubic feet

Kastle Acres

Weber County, Utah



Developer:
Layne Kap
244 W. South Weber Dr.
South Weber, UT 84405
(801) 725-5510

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

REVISIONS

DATE	DESCRIPTION

Kastle Acres
PART OF THE SE 1/4 OF SECTION 29, T.6N., R.2W., S.11B. & M., U.S. SURVEY
WEBER COUNTY, UTAH

Preliminary Plan

Project Info.

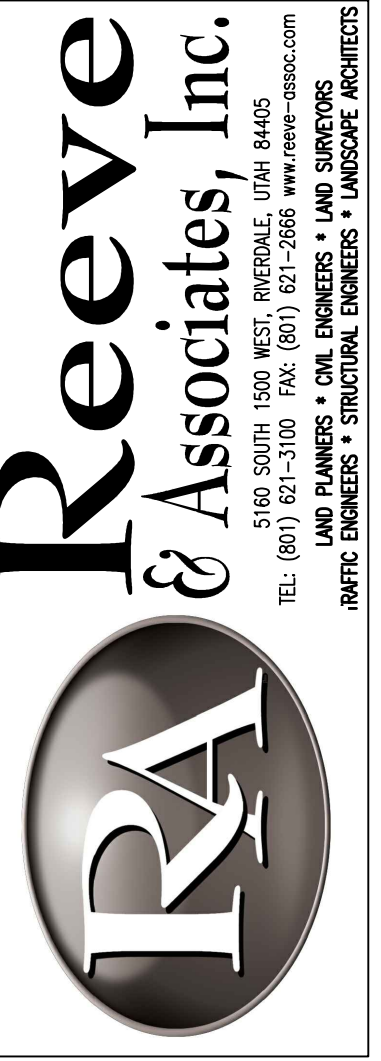
Engineer: N. Reeve
Designer: C. Gave
Begin Date: 12-17-19
Name: KASTLE ACRES
Number: 5918-15



Kastle Acres

Weber County, Utah

Developer:
 Layne Kap
 244 W. South Weber Dr.
 South Weber, UT 84405
 (801) 725-5510



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 PUBLIC ENGINEERS • STRUCTURAL ENGINEERS • LANDSCAPE ARCHITECTS

REVISIONS	DATE	DESCRIPTION

Kastle Acres
 PART OF THE SE 1/4 OF SECTION 29, T.6N., R.2W., S.11B. & M., U.S. SURVEY
 WEBER COUNTY, UTAH

Sewer Outfall Connection Exhibit

Project Info.
 Engineers: N. Reeve
 Designer: C. Cove
 Begin Date: 12-17-19
 Name: KASTLE ACRES
 Number: 5918-15

Sheet	2
2	Sheets