

Bart Barker

From: Crystal Hulbert
Sent: Thursday, April 11, 2019 5:15 PM
To: Bart Barker; Ina Oviatt
Cc: Kade Moncur; Madeline Francisco-Galang
Subject: GIS ordinance amendment
Attachments: Draft GIS Ordinance amendment.pdf

Bart/Ina,

I would like to get on the next MSD agenda, May 3rd to present on the attached draft ordinance amendment. This was adopted by the County Council but is not in the metro's ordinances.

This ordinance would require developers to provide GIS data of the storm drain facilities they are installing. We currently receive the plans but if we received the GIS data it could easily be added to the existing GIS database. We have recently used funds to collect GIS data on the existing storm drain. I think it would be prudent to have the data kept up to date by requiring developers who install storm drain to give us GIS data. I have discussed this ordinance amendment with the Magna council.

Let me know if you have any questions,

Crystal Hulbert, P.E.



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Executive Summary

TO: Salt Lake County Planning Commission

FROM: Crystal Hulbert

SUBJECT: Proposed Ordinance Amendment

DATE: Sep 30, 2016

Ben McAdams

Salt Lake County Mayor

Scott Baird

Flood Control Engineering
and Public Works
Engineering Director

Salt Lake County
Government Center
2001 South State Street
Suite N3100
Salt Lake City, UT 84190-
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Summary of Changes to Title 17 and 18 of the Salt Lake County Code of Ordinances

Salt Lake County Engineering Division and the District Attorney's Office and have been working together to update Title 17 and 18 of the Salt Lake County Code of Ordinances. There are two primary reasons for the changes. The first reason is to update several development standards that are either unclear or outdated. The second reason for the ordinance change is to require GIS data from all developments approved through the County. The County currently manages a GIS database of specific infrastructure and other significant geographical information. In order to maintain this database and remain current, it is necessary for the County to receive GIS data corresponding to the approved plans for each development. As each development is completed, updated GIS data corresponding to the as-built drawings is also required. Below are the substantive changes that have been made:

- Section 17.20.060 adds a maximum release rate used in hydrology calculations for storm water discharge
- Sections 17.20.150, 17.20.540, and 18.16.020 adds the requirement for developers to provide the County with GIS data corresponding to their approved plans before receiving final approval, and any updated as-built GIS data before the final ten percent of the bond is released.
- Sections 17.20.150 and 17.20.540 clarify that developers who opt to install certain infrastructure before final approval in lieu of posting a full bond must instead post an improvement warranty period assurance as allowed by Utah Code 17-27a-604.5(3).
- Section 18.24.040 clarifies that submitted plans for development need to be prepared by an engineer licensed to practice in the state of Utah.
- Sections 18.24.040, 18.24.070, and 18.24.150 adds language requiring the submission of GIS data corresponding to approved plans as well as any updated GIS data for subsequent as-built plans.
- Section 18.24.170 adds language specifying that as-built GIS data is required to be submitted with as-built plans before the bond is released. Also, the public improvements and landscaping bond amount held for one year past the completion date was changed from 25% to the maximum amount allowed by state law to reflect changes in the Utah Code.

**SALT LAKE COUNTY
COUNTYWIDE POLICY ON
STANDARDS FOR GEOGRAPHIC INFORMATION SYSTEM**

Purpose

This document provides standards for the creation and maintenance of geospatial data for the use of Salt Lake County offices and departments. The overall goal is to ensure that a high quality, well-documented Geographic Information System (GIS) is built for Salt Lake County. This standards document is intended to be a framework for building a robust and accurate GIS that will integrate with other Salt Lake County data sources. The intent is to describe common standards to be used by all County offices and departments in the acquisition, creation and maintenance of Geographic data. It is recognized that when coordinating with other governmental agencies the county may not be able to insist on absolute adherence to these standards. These standards are created under the auspices of the GIS Steering Committee established by Chapter 2.46 of the Salt Lake County Code of Ordinances, 2001, and amended by Ordinance 1619A.

Policy

- 1.0 Dataset Types -- A GIS database consists of a number of geographic datasets that are made up of points, lines and polygons. These datasets are sometimes called layers, coverages, themes, or shapefiles. Salt Lake County uses data that is created by various entities within the County, data that is created by vendors under the direction of Salt Lake County and data that is created by entities outside of Salt Lake County. The quality of a GIS database is dependent on the datasets that make up the GIS. When mixing data of differing accuracy any GIS product generated is only as accurate as its least accurate set of data.
 - 1.1 Base Dataset -- Salt Lake County uses as a base reference layer the survey control that is maintained by the Office of the Salt Lake County Surveyor. This base layer includes but is not limited to the sections laid out by the original PLSS (Public Land Survey System) survey.
 - 1.2 Primary Source Datasets -- Primary source datasets are the datasets that are created by Salt Lake County that have a direct or indirect tie to the base dataset. Some current examples of this type of dataset are aerial photography that has been orthorectified, parcels, the street network (centerline), and municipal boundaries.
 - 1.3 Derived Datasets -- Derived datasets are created from other primary or external datasets. An example of a derived dataset is the voter precincts maintained by the Salt Lake County Clerk's Office. In order to meet the requirements the creation of voter precincts includes internal data such as municipal boundaries, parcels, street network and external datasets such as state and federal legislative boundaries.

- 1.4 External Datasets -- Salt Lake County may be required by law to use datasets created by outside agencies that may not be completely coincident with Salt Lake County data. Examples of this type of dataset are census data, US congressional districts, and state legislative districts. Salt Lake County will always work with outside data creators in an effort to make certain that the various data sets match up. Salt Lake County will not meet the specific requirements of an external data creator except where required by law.
- 2.0 Data Responsibility -- Salt Lake County does not have a centralized GIS office. It is therefore necessary to clearly define responsibility for data.
 - 2.1 Data Creation -- Ultimate responsibility for any dataset lies with the office or department that creates or acquires that data. This includes ensuring that the data meets applicable Salt Lake County standards. The responsibilities of the data creator are more fully detailed in the sections below.
 - 2.2 Data Security
 - 2.2.1 Some of the GIS data that is created contains information that is sensitive or confidential in nature. This data must be identified by the data creator as being sensitive or confidential and access must be limited to those who have valid reason to see or use the data. Procedures for ensuring limiting access to sensitive and secure data are necessary.
 - 2.2.2 Access to the data that is created by an office or department by default will only be available to the creating entity. The ability to create and modify will be controlled as well. The data creator may request that others be given access to the data but this will not happen by default.
 - 2.3 Data Sharing Internal
 - 2.3.1 GIS data's value increases synergistically, becoming more useful as more GIS data is added. To this end it is the goal of Salt Lake County to share all information in a manner that minimizes the risk of exposing sensitive or confidential information. A repository of GIS data for use by all Salt Lake County users will be maintained by Information Services using appropriate technology. Data will be moved into the shared repository only at the request of the data creating agency. Data moved into this area should be sanitized; meaning sensitive information such as social security numbers should be removed or rendered unusable for specific identification.
 - 2.3.2 The data in the shared repository will be read only. It will not be possible for anyone to modify the data in the public repository. Any changes will come from the creating entity.

- 2.3.3 It is important that when creating maps or map products that to be used for more than an internal work product the publisher and date of publication be identified. The data creators must also be acknowledged on any map that is produced. This can be a simple statement on the map such as:

Map created by [your Org] in conjunction with the offices of the Salt Lake County Assessor, Clerk, Surveyor, Recorder and Salt Lake County Public Works.

- 2.3.4 It will be a rare occurrence that a map will not use data from multiple sources.

2.4 Data Sharing External

- 2.4.1 Salt Lake County will comply with all requirements of the Government Records Access Management Act (GRAMA) regarding the distribution of data outside of Salt Lake County.
- 2.4.2 The office or department that creates or acquires GIS data is responsible for setting the conditions under which the data may be distributed. This includes any fees or charges for the distribution of such data, and the data format that is used for distribution. Each office or department shall present proposed fees for this purpose to the GIS Steering Committed for consideration and recommendation. No office or department of Salt Lake County may distribute data that is created by another department. This is not intended to prohibit the production of maps that use data created by other departments. It is intended to allow the creating agency to have control over the distribution of geographic and attribute data that they have created.
- 2.4.3 Salt Lake County offices and departments may chose to designate any dataset they have created as restriction free for distribution purposes.
- 2.4.4 When a Salt Lake County office or department contracts with an outside party to perform Geographic work and that contractor needs access to County data that is subject to distribution restrictions the contract must include provisions that restrict the contractor from using that data for any purpose other than the scope and duration of the contract.
- 2.4.5 It is in the interest of Salt Lake County to share data with municipalities and other public entities within Salt Lake County. This interest in data sharing does not remove the requirement that the entity that has created or acquired data have the final authority over data distribution.
- 2.4.6 In the case of data acquired from some outside vendor or agency there may be restrictions such as copyright that may limit the use or

redistribution of the data. Procedures must be created that will allow any user to know about those restrictions.

- 2.4.7 When a Salt Lake County office or department contracts with a vendor, consultant, or establishes an interlocal agreement with another entity the resultant agreement or contract shall require adherence to the standards as set forth in this policy.

2.5 Data Archiving Requirements

- 2.5.1 Salt Lake County recognizes the long term value of geospatial data and the need to establish retention and disposition standards, guidelines and procedures for storage, management and access. GIS resources and capabilities must be addressed in identifying what data must be preserved, how readily available it is, and how it will be managed over time.

- 2.5.2 The GIS Steering Committee must establish criteria to determine which datasets, maps, projects, imagery and/or outputs must be archived; how frequently they must be archived; identify industry standards that must be followed regarding metadata; establish retention and disposition procedures; ensure ongoing training in archival requirements; and promote use of the County's geospatial resources.

- 2.5.3 The GIS archiving procedures should identify data accessioning information including data authenticity; establish file naming conventions; address security issues, hardware and software considerations. The procedures should include a retention schedule that identifies the datasets to be preserved, including retention periods and any restrictions of access. Data custody issues should address metadata documentation, media migration and data conversion, preservation copies, disaster planning, vital records identification and off-site storage issues.

- 3.0 Data Standards -- The technology used for acquisition of geographic data is rapidly evolving. As a result it is very important to understand what methodology is used at the time data is created. Constant evaluation of the effects of differing methodologies on the consistency of data is required.

- 3.1 Projection and Coordinate System -- All data created by Salt Lake County will use the following:

Datum: NAD83
 Projection: State Plane
 Zone: Utah Central
 Unit: Feet

Care needs to be taken in converting between projection and coordinate systems as some shifting may occur.

3.2 Geographic Feature Requirements -- All geographic features that have more than a transitory existence require attributes that identify what the feature is. All geographic features must be created from and referenced to the most accurate source data.

3.2.1 Points -- Points need to be accurate for the use intended. An explanation of the intended use of the point data will be included in the metadata.

3.2.2 Lines -- Lines must not overlap except where there is a very specific need for the purposes of accurate data representation. Where lines represent a network and there is an intersection the lines must be snapped to a node. Lines must be created with the minimum number of vertices. Vertices should not be stacked.

3.2.3 Polygons -- Polygons must close. Polygons must not have unintended gaps, overlaps, or overshoots.

3.2.4 Attributes

3.2.4.1 Each geographic feature must have a unique ID and a name as a minimum. Other attributes will be added to meet the requirements of the feature set. All attribute data must be character or strings unless it is a date, Boolean, or a numeric field that is used for a calculation.

3.2.4.2 Attribute field names must mirror established standards. Attribute field names must have descriptive names that help interpret the purpose of the field. When possible, domains shall be used for attributes that have a definable set of values.

3.2.5 Metadata -- Metadata must be maintained for every dataset created by Salt Lake County. The minimum requirements are:

Data creator: office or department

Date of creation:

Dates of modification:

Description of dataset:

Method of creation, including source and reference materials:

Current projection and coordinate system

Original projection and coordinate system if different from current

Additional metadata requirements may be added as needed. Offices and departments may choose and are encouraged to maintain more than the minimum metadata.

4.0 Coordination and Cooperation

4.1 Salt Lake County has chosen as its operational model a decentralized GIS. It is therefore incumbent upon all users and contributors to Salt Lake County’s GIS to commit to a high level of cooperation and coordination.

4.2 Exceptions and proposed changes to this policy must be presented to the GIS Steering Committee for consideration. The GIS Steering Committee will review all requests for exceptions and changes to this policy. If the GIS Steering Committee finds good cause for an exception or change to this policy, the GIS Steering Committee shall make a recommendation to the County Council to approve the exception or make a change to this policy.

APPROVED and ADOPTED this 27 day of April, 2010.

SALT LAKE COUNTY COUNCIL

Joe Hatch, Chair

ATTEST:

Sherrie Swensen, County Clerk

APPROVED AS TO FORM:

District Attorney’s Office Date

Salt Lake County Public Works Engineering GIS Standards

Purpose

Implementing a GIS Data Standard will facilitate data sharing, integration, and compatibility within the GIS system for the County. These standards provide GIS data guidelines for Salt Lake County Engineering and the Flood Control Engineering Division in addition to policy 10-13, "Standards for Geographic Information Systems."

Objective

In order to maintain compatibility and consistency across spatial data platforms, it is the responsibility of the owner of the data to complete the data requirements to the specifications listed below and described in accordance with the County's GIS Engineering Standards. The recent version for all Salt Lake County GIS Standards can be found on the:

<http://slco.org/WorkArea/DownloadAsset.aspx?id=2147490121>

Inquiries should be directed to:

Alexander Rudowski
GIS Specialist
SLCo Office of Flood Control Engineering
(385) 468 -6633
ARudowski@slco.org

Spatial Reference Info

- Projection: NAD_1983_StatePlane_Utah_Central_FIP_4302_Feet
- Geographic Coordinate System: GCS_NORTH_AMERICAN_1983
- Datum: D_NORTH_AMERICAN_1983
- Vertical Datum: NAVD_1988_Foot_US

Linear Unit: U.S. SURVERY FEET **Features - All geospatial data have to meet these requirements listed below.**

1. Tolerances and Coordinate Precision

- Double Precision format and scale of 5 and a precision of 8.
- Text format fields should have minimum of 10 and maximum of 150 characters depending on type of feature.
- For Latitude and Longitude the format needs to be in decimal degree rather than degrees, minutes and seconds. Decimal degrees must have 8 digits in order to maintain accuracy.
- A feature that requires vertical degree (3D Attribute) needs to have the Z factor included.

2. Spatial Reference Information

- Projection
- Geographic Coordinate System
- Datum
- Linear Unit

3. Metadata Standards

- Abstract
- Purpose
- Contact
- Citation
- Attribute Data Dictionary
- Time Period

4. File Naming Requirements for Attribute Item and Field Naming

- File name and for geospatial data use abbreviated name.
- Use abbreviated attribute names for each feature.
- All features must have design date of completion.

- All geospatial data must be in Geo Database format (GDB).
- File names will be entirely in lowercase.
- No spaces or dashes. Underscores are acceptable
- Common and County Abbreviations Standards must be used.

GIS Data Features Abbreviations and Descriptions

Transportation

1. **ADA Ramps** - wheel chair ramps for sidewalk use
Abbreviation: ada_ramp
2. **Signals** - electrical street sign indicating driving directions or conveying information
Abbreviation: signal
3. **Signs** - a sign indicating driving directions or conveying information to drivers
Abbreviation: sign
4. **Crosswalks** - a designated location on the road to indicate where pedestrians can cross
Abbreviation: cr_walk
5. **Curb** - the edge where a raised sidewalk meets an un-raised roadway
Abbreviation: curb
6. **Striping** – an indication on the road to guide and convey information to drivers
Abbreviation: striping
7. **Bus Stops** – rider access locations
8. **Side Walks**- indication of sidewalk features and condition
Abbreviation: s_walks
9. **Street Lights**- street light ID and wattage information

Flood Control

1. **Storm Drain Cleanout Box (Manhole)** – top opening cover to an underground utility vault used as an access point that connects storm drain pipe lines.
Abbreviation: sd_cleanout
2. **Detention Basin Inlet** – an opening allowing the flow of water to be stored in a detention basin.
Abbreviation: db_inlet
3. **Detention Basin Outlet** – an opening allowing water to be drained out of a detention basin.
Abbreviation: db_outlet
4. **Storm Drain Catch Basin** – A device used to collect storm water.
Abbreviation: sd_cb
5. **Bridge** – a structure built for the purpose of providing passage over a body of water such as a creek or river.
Abbreviation: bridge
6. **Culvert** – a structure built for the purpose of channeling water.
Abbreviation: culvert
7. **Pipe Line** – a structure built for the purpose of channeling storm water.
Abbreviation: sd_pipe
8. **Detention Basin Area** – a low lying area designed to temporarily hold water.
Abbreviation: db_area
9. **Drainage Area** – an area of land where surface water covers the basin.
Abbreviation: drain_area
10. **Fire Hydrants** – for emergency management and geographic reference.

Salt Lake County Engineering GIS Data Requirements Check List



Project Name:	
Date:	Submitted by:
Received by:	

Data is required to be in the following ESRI shapefile/geodatabase format
 Projection Coordinate System: **NAD_1983_StatePlane_Utah_Central_FIP_4302_Feet**
 Geographic Coordinate System: **GCS_NORTH_AMERICAN_1983**
 Datum: **D_NORTH_AMERICAN_1983**
 Linear Unit: **U.S. SURVEY FEET**

GIS Data Features				Office Use Only
Object: ADA Ramps Shape File: Point	<u>Attribute Needs to Include</u> 1. Surface Material 2. Pattern 3. Slope 4. Design Completion Date	<u>Attribute Name</u> material pattern slope date	<u>Type</u> Text 25 Text 25 Float, Precision 5, Scale 2 Date	<u>Accepted</u>
Object: Signals Shape File: Point	<u>Attribute Needs to Include</u> 1. Head Type 2. Location 3. Pedestrian Signal 4. Street Lights 5. Design Completion Date	<u>Attribute Name</u> type locat signal lights date	<u>Type</u> Text 25 Text 25 Text 25 Text 25 Date	<u>Accepted</u>
Object: Signs Shape File: Point	<u>Attribute Needs to Include</u> 1. Type of Sign 2. Location 3. Design Completion Date	<u>Attribute Name</u> type locat date	<u>Type</u> Text 25 Text 25 Date	<u>Accepted</u>
Object: Crosswalks Shape File: Poly Line	<u>Attribute Needs to Include</u> 1. Width of Crosswalk 2. Design Completion Date * 3D – Polyline with Z factor	<u>Attribute Name</u> width date	<u>Type</u> Float, Precision 4, Scale 1 Date	<u>Accepted</u>
Object: Curb Shape File: Poly Line	<u>Attribute Needs to Include</u> 1. Type of Curb 2. Design Completion Date * 3D – Polyline with Z factor	<u>Attribute Name</u> type date	<u>Type</u> Text 25 Date	<u>Accepted</u>
Object: Striping Shape File: Poly Line	<u>Attribute Needs to Include</u> 1. Type of Stripe 2. Width 3. Design Completion Date	<u>Attribute Name</u> type_s width date	<u>Type</u> Text 25 Float, Precision 3, Scale 1 Date	<u>Accepted</u>
Object: Storm Drain Cleanout Box (Man Hole) Shape File: Point	<u>Attribute Needs to Include</u> 1. Depth of Cleanout Box 3. Size of Outlet 4. Direction of Outflow 5. Rim Elevation 6. Invert Elevation Outlet 7. Design Completion Date	<u>Attribute Name</u> depth out_siz dir_out rim invert date	<u>Type</u> Double, Precision 5, Scale 2 Double, Precision 5, Scale 2 Text 15 Double, Precision 8, Scale 2 Double, Precision 8, Scale 2 Date	<u>Accepted</u>
Object: Detention Basin Inlet Shape File: Point	<u>Attribute Needs to Include</u> 1. Type of Inlet 2. Size of Inlet 3. Type of Material 4. Inlet Invert Elevation 5. Rim Elevation on Bubble Up Box 6. Design Completion Date	<u>Attribute Name</u> type size mater in_el rim_el date	<u>Type</u> Text 25 Double, Precision 5, Scale 2 Text 10 Double, Precision 8, Scale 2 Double, Precision 8, Scale 2 Date	<u>Accepted</u>

GIS Data Features				Office Use Only
Object: Detention Basin Outlet Shape File: Point	<u>Attribute Needs to Include</u> 1. Type of Outlet 2. Size of Outlet (L, W, H) 3. Type of Material 4. Outlet Invert Elevation 5. Rim Elevation 6. Outflow (Max cfs) 7. Design Completion Date	<u>Attribute Name</u> type size mater outlet_el rim_el cfs date	<u>Type</u> Text 50 Text 50 Text 10 Double, Precision 8, Scale 2 Double, Precision 8, Scale 2 Float, Precision 8, Scale 2 Date	<u>Accepted</u>
Object: Storm Drain Catch Basin Shape File: Point	<u>Attribute Needs to Include</u> 1. Width of Drain 2. Length of Drain 3. Depth of Box 4. Rim Elevation 5. Invert Elevation 6. Type of Inlet 7. Design Completion Date	<u>Attribute Name</u> width length depth rim_el inv_el type date	<u>Type</u> Double, Precision 5, Scale 2 Double, Precision 5, Scale 2 Text 10 Double, Precision 8, Scale 2 Double, Precision 8, Scale 2 Text 25 Date	<u>Accepted</u>
Object: Bridge Shape File: Poly Line	<u>Attribute Needs to Include</u> 1. Width 2. Low Cord Height 3. Channel Invert Elevation 4. Elevation of the Deck 5. Design Completion Date	<u>Attribute Name</u> width height invert deck date	<u>Type</u> Float, Precision 5, Scale 2 Float, Precision 5, Scale 2 Double, Precision 8, Scale 2 Double, Precision 8, Scale 2 Date	<u>Accepted</u>
Object: Culvert Shape File: Poly Line	<u>Attribute Needs to Include</u> 1. Type of Culvert 2. Width in Feet 3. Height in Feet 4. Directional Flow (N,S,E,W) 5. Up Stream Invert Elevation 6. Down Stream Invert Elevation 7. Slope of Culvert 8. Design Flow (cfs) 9. Design Completion Date	<u>Attribute Name</u> type width height dir_flo up_elev down_el slope cfs date	<u>Type</u> Text 25 Double, Precision 5, Scale 2 Double, Precision 5, Scale 2 Text 10 Double, Precision 8, Scale 2 Double, Precision 8, Scale 2 Double, Precision 5, Scale 2 Float, Precision 5, Scale 2 Date	<u>Accepted</u>
Object: Pipe Line Shape File: Poly Line	<u>Attribute Needs to Include</u> 1. Radius of Pipe 2. Type of Material 3. Directional Flow (N,S,E,W) 4. Upstream Invert Flow Line Elevation 5. Downstream Invert Flow Line Elevation 6. Slope of Pipe Line 7. Design Flow (cfs) 8. Design Completion Date	<u>Attribute Name</u> radius materi dir_flo up_elev down_el slope cfs date	<u>Type</u> Float, Precision 5, Scale 2 Text 10 Text 10 Double, Precision 5, Scale 2 Double, Precision 5, Scale 2 Double, Precision 5, Scale 2 Double, Precision 5, Scale 2 Date	<u>Accepted</u>
Object: Detention Basin Area Shape File: Polygon	<u>Attribute Needs to Include</u> 1. Area 2. Other Use / ex: school, soccer 3. Capacity of Basin 4. Design Completion Date	<u>Attribute Name</u> area use cap date	<u>Type</u> Double, Precision 8, Scale 2 Text 25 Double, Precision 8, Scale 2 Date	<u>Accepted</u>
Object: Drainage Area Shape File: Polygon	<u>Attribute Needs to Include</u> 1. Area 2. Design Completion Date	<u>Attribute Name</u> area date	<u>Type</u> Double, Precision 8, Scale 2 Date	<u>Accepted</u>

GIS Data Features

GIS Data Features				
<p>Object: Bus Stops</p> <p>Shape File: Point</p>	<p><u>Attribute Needs to Include</u></p> <ol style="list-style-type: none"> 1. Transit Authority 2. Shelter/non-shelter 3. Shelter Type 4. Routes Serviced 5. Bus Stop ID 	<p><u>Attribute Name</u></p> <p>authority shelter shel_type rt_serve stop_id</p>	<p><u>Type</u></p> <p>Text 50 Text 50 Text 10 Text 50 Text 10</p>	<p><u>Accepted</u></p>
<p>Object: Fire Hydrants</p> <p>Shape File: Point</p>	<p><u>Attribute Needs to Include</u></p> <ol style="list-style-type: none"> 1. Fire Authority 2. Water Authority 3. Flow Rate 4. In-Service/Out-of-Service 5. Hydrant ID 	<p><u>Attribute Name</u></p> <p>f_author w_author flow_rt serv_stat hy_id</p>	<p><u>Type</u></p> <p>Text 10 Text 10 Text 10 Text 10 Text 10</p>	<p><u>Accepted</u></p>
<p>Object: Sidewalks</p> <p>Shape File: Poly Line</p>	<p><u>Attribute Needs to Include</u></p> <ol style="list-style-type: none"> 1. Width 2. Park Strip 3. Side of Road 4. Install Date 5. Design Date 6. Condition 	<p><u>Attribute Name</u></p> <p>s_width strip rd_side in_date des_date condition</p>	<p><u>Type</u></p> <p>Double, Precision 5, Scale 2 Text 10 Text 10 Date Date Text 50</p>	<p><u>Accepted</u></p>
<p>Object: Street Lights</p> <p>Shape File: Point</p>	<p><u>Attribute Needs to Include</u></p> <ol style="list-style-type: none"> 1. Fixture Type 2. Pole Type 3. Wattage 4. Pole Number 5. Address 	<p><u>Attribute Name</u></p> <p>fixture_ty pole_type wattage pole_num address</p>	<p><u>Type</u></p> <p>Text 20 Text 20 Float, Precision 5, Scale 1 Double, Precision 8, Scale 2 Text 50</p>	<p><u>Accepted</u></p>

SALT LAKE COUNTY ORDINANCE

ORDINANCE NO. _____, 2016

AN ORDINANCE OF THE LEGISLATIVE BODY OF SALT LAKE COUNTY, UTAH, AMENDING TITLE 17 CHAPTER 20 AND TITLE 18 CHAPTERS 16 AND 24 OF THE SALT LAKE COUNTY CODE OF ORDINANCES, 2001, REMOVING THE CHOICE BETWEEN BONDING AND COMPLETING STORMWATER IMPROVEMENTS AND ADDING REQUIREMENTS TO PROVIDE GEOGRAPHIC INFORMATION SYSTEM (“GIS”) FILES BEFORE PLAN APPROVAL.

The Legislative Body of Salt Lake County ordains as follows:

SECTION I. The amendments made herein are designated by underlining the new substituted words. Words being deleted are designated by brackets and interlineations.

SECTION II. Chapter 17.20.030 of Title 17 of the Salt Lake County Code of Ordinances, 2001, is amended to read as follows:

17.20.030 - Applicability.

This chapter shall apply to all development in the unincorporated area of the county and within the incorporated area of any city or metro township that shall by agreement request the county to administer this program within its boundaries. This chapter shall apply to all portions of the county or metro township drainage system constructed or completed from and after the effective date of the ordinance codified in this chapter. The county, with the approval of the developer, where applicable, may include the application of this chapter to facilities, and benefited areas served thereby, which were under construction after January 1, 1979.

(Ord. 817 § 2 (part), 1982: prior code § 7-5-3)

SECTION III. Chapter 17.20.060 of Title 17 of the Salt Lake County Code of Ordinances, 2001, is added as follows:

17.20.060 - Engineering studies – Maximum Volumes of Excess Stormwater.

A. The division shall cause engineering studies to be made of all drainage areas within the county. These studies shall be made to determine the amount or volume, frequency, and course of excess and stormwaters, and any drainage system now provided or to be provided for the drainage and control of excess or storm waters within said areas, including location of outfall or disposal points. Previous studies made by the county or others shall be considered in whole or in part if applicable.

B. These studies shall from time to time be updated or amended as necessary to reflect changed conditions. Studies in individual drainage areas, developments, proposed subdivisions, existing subdivisions or other property may be completed by professional engineers for private developers under the direction of the county if the county cannot complete the studies as soon as required for development due to staff or budget constraints.

C. In conducting the studies referred to in this section, the analysis of storm drainage flows and facilities shall be performed by professional engineers competent in hydrology and hydraulics and shall be in accordance with sound engineering practices. Location of existing storm drainage facilities will be coordinated with the division.

D. In all cases flows shall be based upon present conditions and potential for future development of the county, taking into consideration the current elements of the land use master plan of the county, current as of the date of the study, relating to the drainage basin and other relevant factors, including changes in zoning or development which are not reflected on the master plan.

E. The maximum stormwater release rate exiting the developed property into an approved system shall be based upon the results of the above studies. If unavailable, it shall be the lessor of the predevelopment release rate or 0.2 cfs/acre, unless otherwise approved by the Division for good cause.

(Ord. 1055 § 4, 1988; Ord. 990 § 2, 1986; Ord. 817 § 2 (part), 1982: prior code § 7-5-6)

SECTION IV. Chapter 17.20.070 of Title 17 of the Salt Lake County Code of Ordinances, 2001, is amended to read as follows:

17.20.070 - Control of development excess waters.

The owner or developer of land to be improved or developed shall provide, at his own expense, the unit or subdivision drainage system facilities within each development necessary for the control of excess waters within the development. He shall also provide:

1. The intermediate drainage system facilities required to convey such stormwaters:
 - a. To a major drainage system facility in existence on the effective date of the ordinance codified in this chapter, or
 - b. To a major drainage system constructed after the date of the ordinance codified in this chapter, ~~in which case the provisions of Sections 17.20.160 or 17.20.380 shall apply,~~ or
 - c. To a trunk line, natural tributary or final destination; or
2. The intermediate and major drainage system facilities required to convey such excess waters to a trunk line, natural tributary, or final destination as may be indicated on the drainage area map for the drainage area within which the development is located; or

3. The facilities to retain excess waters on designated portions of the land to be improved or developed or facilities upon other lands to which the stormwaters may be conveyed and upon which the owner or developer has legal right to retain such excess waters in accordance with Sections 17.20.530 through 17.20.590 of this chapter; or

4. A temporary area, not part of the proposed development, to allow runoff waters to absorb naturally until the intermediate or major drainage system is completed, in which case the provisions of Section 17.20.580s ~~17.20.160~~ or ~~17.20.380~~ shall apply. Said temporary area shall in no case be less than one-half of all the developed drainage area tributary to it; or

5. Shall meet all provisions set forth in Sections [~~17.20.170~~], 17.20.150 and 17.20.220 [~~and one of the following sections: Sections 17.20.180 through 17.20.210~~]. The owner or developer shall also be responsible for safely routing the one-hundred-year frequency flood through the development as provided for in the county flood hazard regulations. The county retains the regulatory and approval function specified in this chapter in connection with unit, intermediate and major facilities constructed by an owner or developer.

(Ord. 817 § 2 (part), 1982: prior code § 7-5-7)

SECTION V. Chapter 17.20.080 of Title 17 of the Salt Lake County Code of Ordinances, 2001, is amended to read as follows:

Article II. - County Drainage System

17.20.080 - Generally.

The provisions of this article apply where the county installs, at its expense, intermediate or major drainage system facilities to which intermediate or unit drainage system facilities of a subdivision or development are connected. The provisions of this article also apply to any

developer or private person desiring to connect the intermediate or unit drainage facilities of a subdivision or development to the county or metro township drainage system.

(Ord. 817 § 2 (part), 1982: prior code § 7-5-8)

SECTION VI. Chapter 17.20.150 of Title 17 of the Salt Lake County Code of Ordinances, 2001, is amended to read as follows:

17.20.150 – Stormwater drainage facility p[er] plans, [and] specifications, and geographic information system (“GIS”) data required.

A. Prior to the final approval of a subdivision or development plan or building permit associated with a subdivision or development plan, or in the case of a single lot development, a single building permit, the owner or developer shall:

1. ~~[, a]~~ At developer or owner’s his expense, have prepared by a [licensed] professional engineer licensed to practice in the state of Utah, as required by the division, detailed plans and specifications for the construction and installation of all unit or subdivision drainage facilities for the control and drainage of excess water within the development, or the part thereof for which a building permit has been requested, and the carriage of such water to an acceptable intermediate or major drainage system facility or to a trunk line, natural tributary, a final destination as agreed to by the division, all in conformance with the master plan of the drainage area or drainage basin as approved by the county, together with the estimated total costs of these facilities.
2. In addition to the above required plans and specifications, before final approval and the issuance of a building permit, the developer or owner shall provide to

County GIS data corresponding to the approved plans. Any changes during construction will require additional GIS data to be submitted with the final approved as-built drawings. All GIS data shall be submitted in the following format:

- i. All GIS data shall be submitted in conformance with County Policy 1013, “Standards for Geographic Information System” and the “Salt Lake County Public Works Engineering GIS Standards,” as approved by the Salt Lake County GIS Steering Committee and on file with Salt Lake County Engineering. The County reserves the right to reject any GIS data that is provided and is not in compliance with the above standards.
- ii. This shall be done at the developer or owner’s expense. If a developer or owner does not provide the required GIS data, the County may complete the work in the developer or owner’s behalf and the developer or owner shall pay to the County the cost of completing the work at the hourly rate approved by the County Council for such work. If the developer or owner fails to pay for such work, the County may pursue legal action to recover these costs.
- iii. Developers with a cost as estimated by the public works department of ten thousand dollars (\$10,000.00) or less may, prior to construction, petition the Division for an exemption from the GIS requirements of this Chapter. The decision of the Public Works Director shall be final.

B. In lieu of completion of the drainage system prior to final approval of the subdivision or development plan by the county, the developer or owner shall provide a performance bond

guaranteeing actual construction and installation of the facilities pursuant to a schedule approved by the division director, and must do so before recording the plat. A developer or owner opting to complete drainage system before recording the plat shall be required by Division to post an improvement warranty period assurance of ten percent, or of the maximum allowed by state law. The Division shall not accept said facilities nor recommend the release of the final ten percent of the bond or the improvement warranty period assurance until updated as-built drawing GIS data is received by County and all other requirements are met.

C. Upon completion of review and approval by the division director, the subdivision or development plan or building permit may be given final approval.

D. ~~[; provided, however, that]~~ Final approval and building permits for individual homes, buildings or similar improvements (other than the subdivision and intermediate drainage system facilities) may be given final approval only if ~~[installation of the drainage facilities is complete, or if]~~ the owner or developer gives acceptable assurance to the county that the drainage facilities will be constructed and installed as indicated and approved. Acceptable assurance shall consist of any one of the types of performance guarantees defined in Section 17.28.010.

(Ord. 817 § 2 (part), 1982; prior code § 7-5-8.7)

SECTION VII. Chapter 17.20.340 of Title 17 of the Salt Lake County Code of Ordinances, 2001, is amended to read as follows:

17.20.340 - Design of facilities.

The owner or developer shall have the intermediate or major drainage system facilities designed by professional engineers to accommodate the excess waters within the DS benefited area. The plans, ~~and~~ specifications, and GIS data shall be submitted to the division for review and, if

acceptable, approval. The GIS data shall meet the same requirements as set forth in 17.20.150(A)(2).

(Ord. 817 § 2 (part), 1982: prior code § 7-5-9.6)

SECTION VIII. Chapter 17.20.350 of Title 17 of the Salt Lake County Code of Ordinances, 2001, is amended to read as follows:

17.20.350 - Acquisition of easements and rights-of-way.

A. Easements or rights-of-way or property that must be acquired for the installation of the intermediate or major drainage system facility shall be acquired by the owner or developer, at the expense of the owner or developer. In the event the owner or developer is unable to acquire any necessary easement, right-of-way or property, and upon owner's or developer's written request, the county may negotiate to acquire the necessary easement, right-of-way or property, failing which, the county [~~shall~~] may (1) submit to owner or developer a map showing an alternative route (in which event the owner or developer will endeavor to acquire the necessary easements, rights-of-way or property for such route), or (2) commence a condemnation action to acquire the easement or right-of-way for the drainage system facilities.

B. Owner's or developer's written request for county condemnation shall (1) describe efforts to acquire the easement, right-of-way or property, and (2) state the amount offered the owner of the property. Owner or developer shall pay the county all amounts to be paid to an owner of property for the acquisition of any easements, right-of-way or property. The county shall be responsible for its own legal fees and costs of the condemnation action.

(Ord. 817 § 2 (part), 1982: prior code § 7-5-9.7)

SECTION IX. Chapter 17.20.540 of Title 17 of the Salt Lake County Code of Ordinances, 2001, is amended to read as follows:

17.20.540 - Plans and specifications.

A. Prior to the issuance of any building permit associated with a subdivision or development plan, or in the case of a single lot development, a single building permit, the owner or developer shall:

1. ~~At owner or developer's~~ his expense, have prepared by a ~~licensed~~ professional engineer licensed in the state of Utah, detailed plans and specifications for the construction and installation of all unit or subdivision system drainage facilities and retention system for the control of drainage of excess water within the development, or the part thereof for which a building permit has been requested, and the carriage of such water to a retention area. The plans and specifications shall include provisions for overflow of stormwaters in excess of a ten-year frequency flood.

2. In addition to the above required plans and specifications, before final approval and the issuance of a building permit, the developer or owner shall provide to County GIS data corresponding to the approved plans. Any changes during construction will require additional GIS data to be submitted with the final approved as-built drawings. All GIS data shall be submitted in the following format:

i. All GIS data shall be submitted in conformance with County Policy 1013, "Standards for Geographic Information System" and the "Salt Lake

County Public Works Engineering GIS Standards,” as approved by the Salt Lake County GIS Steering Committee and on file with Salt Lake County Engineering. The County reserves the right to reject any GIS data that is provided and is not in compliance with the above standards.

ii. This shall be done at the developer or owner’s expense. If a developer or owner does not provide the required GIS data, the County may complete the work in the developer or owner’s behalf and the developer or owner shall pay to the County the cost of completing the work at the hourly rate approved by the County Council for such work. If developer or owner fails to pay for such work, the County may pursue legal action to recover these costs.

iii. Developers with a cost as estimated by the public works department of ten thousand dollars (\$10,000.00) or less may, prior to construction, petition the Division for an exemption from the GIS requirements of this Chapter. The decision of the Public Works Director shall be final.

B. In lieu of completion of the drainage system prior to final approval of the subdivision or development plan by the county, the developer or owner shall provide a performance bond guaranteeing actual construction and installation of the facilities pursuant to a schedule approved by the division director, and must do so before recording the plat. A developer or owner opting to complete drainage system before recording the plat shall be required by Division to post an improvement warranty period assurance of ten percent, or of the maximum allowed by state law. The Division shall not accept said facilities nor recommend the release of the final ten percent of

the bond or the improvement warranty period assurance until updated as-built drawing GIS data is received by County and all other requirements are met.

(Ord. 817 § 2 (part), 1982: prior code § 7-5-11.1)

SECTION X. Chapter 18.16.020 of Title 18 of the Salt Lake County Code of Ordinances, 201, is added to read as follows:

18.16.020. Final approval – GIS data required.

A. Prior to the final approval and the issuance of any building permit associated with a subdivision or development plan, or in the case of a single lot development, a single building permit, the owner or developer shall provide to County a GIS data corresponding to the approved plans for all improvements required by Chapter 18.16.020(B). Any changes during construction will require additional GIS data to be submitted with the final approved as-built drawings. All GIS data shall be submitted in the following format:

1. All GIS data shall be submitted in conformance with County Policy 1013, “Standards for Geographic Information System” and the “Salt Lake County Public Works Engineering GIS Standards,” as approved by the Salt Lake County GIS Steering Committee and on file with Salt Lake County Engineering. The County reserves the right to reject any GIS data that is provided and is not in compliance with the above standards.
2. This shall be done at the developer or owner’s expense. If a developer or owner does not provide the required GIS data, the County may complete the work in the developer or owner’s behalf and the developer or owner shall pay to the County the cost of completing the work at the hourly rate approved by the County

Council for such work. If developer or owner fails to pay for such work, the County may pursue legal action to recover these costs.

3. Developers with a cost as estimated by the public works department of ten thousand dollars (\$10,000.00) or less may, prior to construction, petition the Division for an exemption from the GIS requirements of this Chapter. The decision of the Public Works Director shall be final.

B. GIS data will be required for the following improvements:

1. Roadway system: Regulatory signs, street signs, centerlines, curb and gutter, sidewalks, crosswalks, ADA ramps, striping, road width, and monuments; Streetlights and signals (including conduit and electrical boxes for streetlights and signals)
2. Storm drain system: Catch basins, manholes, detention basin inlets and outlets, culverts, detention basin area, stormwater quality BMPs, and pipes

SECTION XI. Chapter 18.24.040 of Title 18 of the Salt Lake County Code of Ordinances, 201, is amended to read as follows:

18.24.040 - Street improvements.

A. The subdivider shall submit a complete set of construction plans and profiles of all streets, existing and proposed, within the subdivision to the planning and development services division. Plans and profiles are to be prepared by a ~~licensed~~ professional engineer licensed to practice in the state of Utah and not in the employ of the county and shall be accompanied by the final plat. The subdivider must also provide a GIS data corresponding to the submitted plans as required by Chapter 18.16.020. The planning and development services division shall, within a

reasonable time not to exceed twenty days from the receipt of the plans and profiles, notify the subdivider of approval, and in case of disapproval the reasons therefor.

B. At least ten days prior to the commencement of construction, the subdivider shall furnish to the planning and development services division three complete sets of approved construction plans and profiles of all streets, existing and proposed, as well as all corresponding GIS data in a format compatible with this ordinance. Such plans and profiles shall include:

1. The designation of limits of work to be done;
2. The location of the bench mark and its true elevation according to County Policy 1013, “Standards for Geographic Information System” and the “Salt Lake County Public Works Engineering GIS Standards,” ~~county datum,~~ all profiles to be referred to in those standards~~that datum;~~
3. Profiles which indicate the finished and existing grades for each side of the street. Separate profiles, clearly designated, shall be made for each side of the street;
4. Construction plans which include the details of curb and gutter and street cross-sections, location and elevation of manholes, catchbasins and storm sewers, elevations and location of fire hydrants and any other detail necessary to simplify construction;
5. Complete date for field layout and office checking;
6. On curb returns, at least two additional control points for elevation besides those at points of curvature. Control points shall be staked in the field to insure drainage at intersection;
7. The street address of the project as approved by County; County Planning Number, and subdivision name if applicable.

(Ord. 1473 (part), 2001: Ord. 879 (part), 1983: prior code § 19-5-1(3)(a), (b))

SECTION XII. Chapter 18.24.070 of Title 18 of the Salt Lake County Code of Ordinances, 201, is amended to read as follows:

18.24.070 - Street lighting.

Except as provided for in subsection E below, adequate street lighting shall be provided for the safety and welfare of residents and businesses located in Salt Lake County through the installation of a street lighting system as part of subdivision development.

All street lights intended to illuminate the public street shall be installed in accordance with the "Standard Specifications for Street Light Construction" as established and approved by the public works operations director or designee. Street light systems shall be designated on approved plats and installed accordingly.

A. For all residential, multi-family residential, planned unit development, commercial, and industrial subdivision developments approved after the effective date of this ordinance, the subdivider shall install and pay the installation costs for street lights as shown on the approved subdivision plat or site plan and to post a bond, pursuant to section 18.24.170, guaranteeing proper installation. The subdivider must also provide a dedicated public utility easement from each respective underground power source to each streetlight.

B. Items to be approved pursuant to the requirements of the "Standard Specifications for Street Light Construction" include:

1. Appropriate distance or spacing;
2. Alternating sides of street, when applicable;
3. Appropriate illumination at intersections;
4. Location upon the property;

5. Street light type and decorative style based on street classification;
6. Height based on location;
7. Installation methods and requirements; and
8. Illumination intensity, electrical specifications, and code requirements as determined by the "Standard Specifications for Street Light Construction".

C. The subdivider or designee shall submit completed as-built-drawings and the GIS data corresponding to the as-built drawings, as required by Section 18.24. to the public works operations director or designee within thirty days of the completion of the installation of a street light system within a subdivision development.

D. The public works operations director or designee shall have the authority:

1. To enforce this section and to ensure that street light installation is completed in compliance with all of its requirements; and,

2. To vary the standards referenced in this section and to approve alternative street light designs and locations when adverse topography, roadway geometrics and design, the presence of natural vegetation, or any other adverse conditions exist which would justify such variations and alternatives without being detrimental to the public safety or welfare.

E. The planning commission shall have the authority to waive or modify the requirement for street light installation in subdivisions upon finding that:

1. The subdivision is located in an environmentally sensitive area, such as the Foothills and Canyons Overlay Zone; or,

2. The subdivision will result in three or fewer new lots; or,

3. The subdivision will not result in any other public street improvements.

(Ord. No. 1646, § III, 3-17-2009)

SECTION XIII. Chapter 18.24.150 of Title 18 of the Salt Lake County Code of Ordinances, 201, is amended to read as follows:

18.24.150 – Construction of Improvements.

A. Twenty-four hours prior to construction of any required improvements, the county planning and development services division shall be notified so that proper inspection may be provided and so that it may be determined whether or not proper authorization and/or required permits for construction have been obtained.

B. As-built plans, ~~and~~ profile drawings, and corresponding GIS data shall be furnished to the planning and development services division of all street improvements, storm drain, sanitary sewer, and water systems upon completion. The county shall retain the improvement bond until such plans have been submitted.

C. Extreme care should be exercised on the part of the subdivider, the contractor and all other associated agencies for the protection and maintenance of all existing or newly placed improvements or facilities within the roadway sections during development.

(Ord. 1473 (part), 2001; Ord. 879 (part), 1983; prior code § 19-5-1(4)(a)—(c))

SECTION XIV. Chapter 18.24.170 of Title 18 of the Salt Lake County Code of Ordinances, 2001, is amended to read as follows:

18.24.170 - Performance bonds.

A. In lieu of actual completion of the improvements listed in this chapter, subdividers ~~may~~ must file with the county a surety or cash bond, an escrow agreement, or a letter of credit in an amount specified by the mayor or mayor's designee to assure actual construction of such improvements within a two-year period. ~~Twenty-five~~ A percentage, equal to the maximum amount allowed by state law, of the bond amount for public improvements such as curb, gutter, sidewalk, road surfacing, flood control and fire hydrants shall extend for a one-year period beyond the date the improvements are completed to guarantee replacement of defective public improvements. ~~Twenty-five~~ A percentage, equal to the maximum amount allowed by state law, of the bond amount for live plant materials in common areas shall extend for the maximum period allowed by state law ~~a two-year~~ beyond the date of planting to guarantee replacement of diseased or dead plants. The bond or agreement shall also secure all lot improvements on individual lots on the subdivision which are required in this chapter.

B. If the mayor or mayor's designee determines that the required improvements should be completed in a specified sequence and/or in less than ~~this a two-year~~ period in order to protect the health, safety and welfare of the county or its residents from traffic, flood, drainage or other hazards, it may require in approving the final subdivision plat that the improvements, including required landscaping be installed in a specified sequence and period which may be less than ~~this period two years~~ and shall incorporate such requirements in the bond.

C. Inspections shall be made within five days from the date of the request. If inspection shows that county standards and specifications have been met in the completion of such improvements, the bond shall be released by the mayor or mayor's designee within seven days from the time of inspection and filing of the as-built plan, any corresponding GIS data (as required), and profile drawings. If the bonds are not released, refusal to release and the reasons

therefor shall be given the subdivider in writing within seven days from the time of the inspection.

D. Such bonds shall be processed and released in accordance with the procedures set forth in Chapter 3.56 of this code.

(Ord. 1609 § 3, 2007; Ord. 1473 (part), 2001: Ord. 879 (part), 1983: Ord. 790, 1981; prior code § 19-5-2)

SECTION XV. This ordinance shall become effective fifteen (15) days after its passage and upon at least one publication of the ordinance or a summary thereof in a newspaper published and having general circulation in Salt Lake County.

APPROVED AND ADOPTED in Salt Lake City, Salt Lake County, Utah, this _____ day of _____, 2016.

Max Burdick, Chairperson

ATTEST:

Sherrie Swensen
Salt Lake County Clerk

APPROVED AS TO FORM:

By: _____
Angela D. Lane,
Deputy District Attorney

Date: _____

Voting:

Council Member Bradley _____
Council Member Bradshaw _____

Council Member Burdick _____
Council Member DeBry _____
Council Member Granato _____
Council Member Jensen _____
Council Member Newton _____
Council Member Snelgrove _____
Council Member Wilson _____

Vetoed and dated this ____ day of _____, 20__.

By _____
Mayor Ben McAdams or Designee

(Complete as Applicable)

Veto override: Yes ____ No ____ Date _____

Ordinance Published in newspaper: Date _____

Effective date of ordinance: _____

DRAFT

SUMMARY OF

SALT LAKE COUNTY ORDINANCE NO. _____

On the _____ day of _____, 2016, the County Council of Salt Lake County adopted Ordinance No. _____, which amends Titles 17 and 18 of the Salt Lake County Code of Ordinances, 2001. The amendments add an additional requirement of providing GIS data to the County before final approval and make bonding before installing stormwater systems a requirement.

SALT LAKE COUNTY COUNCIL

Max Burdick, Chairperson

ATTEST:

Sherrie Swensen
Salt Lake County Clerk

APPROVED AS TO FORM:

By: _____
Angela D. Lane,
Deputy District Attorney

Date: _____

Voting:

Council Member Bradley	_____
Council Member Bradshaw	_____
Council Member Burdick	_____
Council Member DeBry	_____
Council Member Granato	_____
Council Member Jensen	_____
Council Member Newton	_____
Council Member Snelgrove	_____
Council Member Wilson	_____

A complete copy of Ordinance No. _____ is available in the office of the Salt Lake County Clerk, 2001 South State St., N2100A, Salt Lake City, Utah.