

GIS Data Review Sheet

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Phone: 303-492-2655

Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

email: elizabeth.m.goetz@colorado.edu or neil.huebner@colorado.edu

GIS DATA TABLES Categories: Tables: Categories: Tables: EH&S **Basemap Building Footprints** West Nile Virus Test Areas **Building Text** Asbestos Athletics Lines **Parking** Athletics Text Parking Lots Objects: Parking Lines Road Edges Parking Spaces Road Text **Projects** Sidewalk Edges **CP Project Sites** Structures CP Building Projects Cone Zone Routes **River Lines** River Polygons & Ponds Roads Dams & Pond Outlines **Road Areas** Water Features Road Center Lines Fences Road Edges **Property Boundaries Road Intersections Emergency** Road Walkways Emergency Nodes (Phones) **Road Notes** Flood Innundation Areas Signs **FEMA Flood Areas** Sign Nodes Landscape Sign Photos **Ground Panels Snow** Ground Zones & Subzones Areas Routes Trees Tree Zones Nodes Site Furniture Notes **Outdoor Spaces Space** Campus Areas Rooms



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GIS DATA TABLES

Trees Trees Tree Zones Underground Underground Objects Street View Street View DTILLITIES: Chilled Water Pipes Notes Compressed Air Lines Nodes Notes Storm Drainage Dams/Ponds Outline River Lines River Polygons / Ponds Filled Channels / Ditches Storm Water Pipes Trees Electrical Lines Electrical Nodes Structure Lines Electrical Nodes Flectrical Nodes Structure Lines Electrical Nodes Flectrical Nodes Flec	
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River Polygons / Ponds Filled Channels / Ditches Storm Water Pipes Laterals Misc Lines Sodline	s ect
Channels / Ditches Storm Water Pipes Misc Lines Sodline	
Storm Water Pipes Sodline	
' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	
Manholes, Inlets Symbols	
Pipe Labels	
Label Lines - Lines that tie	
text to pipes or nodes	



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GIS DATA TABLES Categories: Tables: Categories: Tables: **Natural Gas** Water **Pipelines Nodes** Structure Lines Lines Valves, Meters ect Lines Notes Notes Sewer Structures Labels Symbols Labels (Gravity) **Raw Water** Notes Notes Valves ect Pipe Labels Pipes (Gravity) **Pipes Service Connections Dimension Notes** Structures **Dimensions** Steam Raw Water Nodes Steam Pipes Steam Valves, Meters ect. Notes Label Lines - Lines that tie text to pipes or nodes Utility **Pathways** (Tunnels) **Utility Pathways (Tunnels) Tunnel Access** Ventilation



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Campus Basemap				
	1	1	1	
Objects:	Building Footprints	Building Text	Athletics Lines	Athletics Text
Object Type:	Polygon	Text	Lines	Text
A ttrib : stoo.				
Attributes:	CID	OID	CID	CID
**Please note:	GID	GID	GID	GID
Attribute types	AREA	COMMENTS	LENGTH	COMMENTS
in all	COMMENTS	TAG VALUE	COMMENTS	TAG VALUE
UPPERCASE	TAG VALUE	OBJECT VERIFY	TAG VALUE	OBJECT VERIFY
indicate default		Building Name	OBJECT VERIFY	
data collumns	Building Number	Building Number	Owner	
which cannot	Building Code	Building Code	Department	
be removed. Columns will	Building Type		Funding	
be left blank if	Bldg Gross Square Footage		Туре	
they are not	Building Name			
applicable.	Building Address			
Attributes	Building Zone			
shown in red	Building Functional Status			
have been left blank	Year Built			
DIATIK	Year Acquired			
	General Fund Percentage			
	Building Footprint			
	Link to Meridian			
	Status			
	Latitude			
	Longitude			



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Campus Basemap

Objects:	Road Edges	Road Text	Sidewalk Edges	Structures
Object Type:	Lines	Text	Lines	Lines
Attributes:				
**Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank	GID LENGTH COMMENTS TAG VALUE OBJECT VERIFY Status Edge Type	GID COMMENTS TAG VALUE OBJECT VERIFY	GID LENGTH COMMENTS TAG VALUE OBJECT VERIFY Edge Type	GID LENGTH COMMENTS TAG VALUE OBJECT VERIFY Owner Department Funding Structure Type



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Campus Basemap

Objects:	River Lines	River Polygons & Ponds	Dams & Pond Outlines	Water Features
Object Type:	Lines	Polygons	Polygons	Polygons
Attributes:				
	GID	GID	GID	GID
**Please note:	LENGTH	AREA	AREA	AREA
Attribute types	COMMENTS	COMMENTS	COMMENTS	COMMENTS
in all	TAG VALUE	TAG VALUE	TAG VALUE	TAG VALUE
UPPERCASE indicate default	OBJECT VERIFY	OBJECT VERIFY	OBJECT VERIFY	Туре
data collumns			Dam Type	Responsibility
which cannot				Link to Meridian
be removed.				Name
Columns will be left blank if				
they are not				
applicable.				
Attributes				
shown in red				
have been left blank				
DIATIK				
				Includes:
				Pools
				Fountains maybe?
	1	l	1	



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Campus Basemap Objects: **Fences Property Boundaries** Object Type: Lines Polygons Attributes: GID GID **Please note: LENGTH LENGTH Attribute types **COMMENTS COMMENTS** in all TAG VALUE TAG VALUE **UPPERCASE OBJECT VERIFY OBJECT VERIFY** indicate default Owner data collumns which cannot Department be removed. Funding Columns will be left blank if they are not applicable. Attributes shown in red have been left blank Includes: Permanent Fences



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Emergency Management Emergency Nodes (Phones, Security Cameras, Other) Objects: Flood Innundation Areas **FEMA Flood Areas** Object Type: **Points** Polygons **Polygons** Attributes: GID **GID** GID **Please note: SYMBOL AREA AREA Attribute types COMMENTS **COMMENTS COMMENTS** in all TAG VALUE TAG VALUE TAG VALUE **UPPERCASE OBJECT VERIFY OBJECT VERIFY OBJECT VERIFY** indicate default Owner Stream Name Flood Type data collumns Node ID **Updated Date** Flood Zone which cannot be removed. Node Type Flood Year Columns will be left blank if they are not applicable. **Attributes** shown in red have been left blank



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Emergency Management Object Type: Lines Routes Objects: Flood Lines **Emergency Routes** Attributes: From Boulder County needs developed **Please note: **COMMENTS** use road & sidewalk Attribute types TAG VALUE centerlines in all FLOOD AREA ID **UPPERCASE FLOODWAY** indicate default FLOOD ZONE data collumns which cannot SFHA_TF be removed. STATIC BFE Columns will **V DATUM** be left blank if **DEPTH** they are not **LEN UNIT** applicable. VELOCITY Attributes VELOCITY UNIT shown in red have been left **BFE REVERT** blank **DEP REVERT** SOURCE CITATION AR REVERT FIRM PANEL - FEMA **EFFECTIVE DATE** ZONE Floodplain



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Environmental Health and Safety Objects: West Nile Virus Test Areas **Asbestos** Object Type Lines Polygons Attributes: GID **Needs Developed** **Please note: AREA Attribute types COMMENTS in all TAG VALUE **UPPERCASE** Body of Water indicate default Campus data collumns which cannot Water Source be removed. Type of water feature Columns will **GPS** Date be left blank if **Biological Controls Present 1** they are not **Biological Controls Present 2** applicable. **Biological Controls Present 3** Attributes shown in red **Biological Controls Present 4** have been left Biological Controls Present 5 blank Vegetation Present 1 Vegetation Present 2 Vegetation Present 3 Vegetation Present 4 Vegetation Present 5 **Date Entered**



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Landscape Ground Zones & Objects: **Ground Panels** Subzones **Trees** Tree Zones Object Type: **Polygons** Polygons **Points** Polygons Attributes: GID GID GID GID **Please note: AREA **AREA SYMBOL** AREA Attribute types **COMMENTS COMMENTS COMMENTS COMMENTS** in all TAG VALUE TAG VALUE TAG VALUE TAG VALUE **UPPERCASE** OBJECT VERIFY **OBJECT VERIFY OBJECT VERIFY OBJECT VERIFY** indicate default **Ground Type** Zone Type **GPS** Date data collumns **GPS** Height which cannot Property Zone ID Zone Type be removed. Panel ID Tree ID Columns will Department Tree Type be left blank if **Funding Genus-Species** they are not Owner Dia. Breast Height applicable. Zone Spread Attributes shown in red Subzone Height have been left FM TAG Condition blank HDS TAG Noteable Storm Damage Mowing Equipment Tree Zone Owner Department **Funding** Subzone



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Landscape				
Objects: Object Type:	Site Furniture Points	Outdoor Spaces Polygons	Campus Areas Polygons	
	1 cinto	1 01480113	i orygonia	
**Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank	GID SYMBOL COMMENTS TAG VALUE OBJECT VERIFY Furniture Type Material Memorial Equipment Number Number in Group GPS Date Pictures via Meridian or Enlighten	GID AREA COMMENTS TAG VALUE OBJECT VERIFY Name Address Area Type CUPD Type	GID AREA COMMENTS TAG VALUE OBJECT VERIFY Campus Areas	
	Includes: Benches Picnic Tables Tables w Chairs Building Signs Campus Directories Campus Maps	Example: Farrand Field Norlin Quad	Example: Main Campus Grandview	



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Parking				
Objects:	Parking Lots	Parking Lines	Parking Spaces	
Object Type:	Polygons	Lines	Points	
**Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank	GID AREA COMMENTS TAG VALUE OBJECT VERIFY Lot Number Address Lot Type Paving Type	GID LENGTH COMMENTS TAG VALUE OBJECT VERIFY	GID SYMBOL COMMENTS TAG VALUE OBJECT VERIFY Parking Type	



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•	CP Project Sites	CP Building Projects	Cone Zone Routes
•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
i i	Polygons	(enlighten link)	Lines
Attributes:		Data from FAMIS:	
	GID	Building	GID
	AREA	CP Number	LENGTH
Attribute types	COMMENTS	Project Description	COMMENTS
in all UPPERCASE	TAG VALUE	Project Manager	TAG VALUE
indicate default	OBJECT VERIFY	PM Phone	OBJECT VERIFY
	CP Number	PM Email	Route Type
	Project Year	Design Start Date	Year
	Visibility	Design End Date	Semester
Columns will be left blank if	Link to Meridian	Contruction Start Date	
they are not		Construction End Date	
applicable.	Other Data from FAMIS:	Substantial Completion Start	
Attributes	Project Description	Substantial Completion End	
	Project Manager		
	PM Phone		
olank	PM Email		
	Design Start Date		
	Design End Date		
	Contruction Start Date		
	Construction End Date		
	Substantial Completion Start		
	Substantial Completion End		
	Status		
	Comments		



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		Road Network	
Objects:	Road Areas	Road Center Lines	Road Edges
Object Type:	Polygons	Lines (Network)	Lines
Attributes:			
**Please note:	GID	GID	GID
Attribute types		LENGTH	LENGTH
in all	COMMENTS	COMMENTS	COMMENTS
UPPERCASE	TAG VALUE	TAG VALUE	TAG VALUE
indicate default		STREET CODE	EDGE TYPE
data collumns		STREET NAME	
which cannot		STREET REFERENCE NAME	
be removed. Columns will		START INTERSECTION	
be left blank if		END INTERSECTION	
they are not		SEGMENT OWNER	
applicable.		SEGMENT CLASS	
Attributes		SEGMENT TYPE	
shown in red		SEGMENT WIDTH	
have been left blank		SEGMENT DIRECTION	
DIATIK		SEGMENT JURISDICTION	
		SEGMENT SURFACE	
	•	•	•



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		Road Network	
Objects: Object Type: Attributes: **Please note: Attribute types in all	Road Intersections Points w Reference Drawing GID SYMBOL COMMENTS TAG VALUE	Road Network Road Walkways Lines GID LENGTH COMMENTS TAG VALUE	Road Notes Text GID COMMENTS TAG VALUE
UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank	INTERSECTION ID INTERSECTION TYPE DWG NAME DWG NUMBER STREET CODE 1 STREET CODE 2 STREET CODE 3 STREET CODE 4 STREET NAME 1 STREET NAME 1 STREET NAME 3 STREET NAME 4		



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Signs			
Objects:	Signs	Sign Photos	
Object Type	Points	Points w Photographs	
Attributes:			
***	GID	GID	
**Please note:	SYMBOL	SYMBOL	
Attribute types in all	COMMENTS	COMMENTS	
UPPERCASE	TAG VALUE	TAG VALUE	
indicate default	Sign ID	Sign ID	
data collumns	Building Number	Building Number	
which cannot	Description	Description	
be removed.	Туре	Туре	
Columns will be left blank if	Location	Location	
they are not	Dimensions	Dimensions	
applicable.	Photo	Photo	
Attributes	Material	Material	
shown in red	Color	Color	
have been left	Mount	Mount	
blank	Lighting	Lighting	
	Owner	Owner	
	Maintenance	Maintenance	
	Funding	Funding	
	Entered By	Entered By	
	Date Entered	Date Entered	
	Needs Audited;	Needs Audited: identical to "Sign Nodes" table	
	unsystematically in error	Remove "Old" Columns unsystematically in error	



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Snow Removal				
Objects: Object Type:	Areas Polygons	Routes Polygons	Nodes Points	Notes Text
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Underground		
Attribute types in all UPPERCASE indicate default data collumns	Underground Polygons GID AREA COMMENTS TAG VALUE OBJECT VERIFY Object Type Material Project Number Discovery Date Link to Meridian Depth	und



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Google Street View		
Objects:	Street View Locaton	
Object Type	Point	
Attributes:		
	GID	
**Please note:	SYMBOL	
Attribute types	COMMENTS	
in all	TAG VALUE	
UPPERCASE indicate default	Latitude & Longitude	
data collumns		
which cannot		
be removed.		
Columns will be left blank if		
they are not		
applicable.		
Attributes		
shown in red		
have been left blank		
DIATIK		



GIS Utility Data Review Sheet

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Chilled Water		
Object Type: Objects:	Lines Chilled Water pipe lines	Text Chilled Water notes
Attributes:	crimed water pipe lines	Offiniod Water Hotes
**Please note: Attribute types in all UPPERCASE indicate default	Object Verify COMMENTS Owner Pipe Type Pipe Diameter Pipe Path Tunnel # Archive 1 Archive 2 Archive 3 Status Conduit Diameter Location Controller Control #	Object Verify COMMENTS TAG VALUE



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Compressed Air				
Object Type:	Lines	Nodes	Text	
Objects:	Compressed Air Lines	Air Reducers	Notes	
Attributes:				
	Object Verify	Object Verify	Object Verify	
**Please note:	COMMENTS	COMMENTS	COMMENTS	
Attribute types	Owner	Owner	TAG VALUE	
in all UPPERCASE	Line Type	Node Type		
indicate default	Pipe Type	Archive 1		
data collumns	Pipe Diameter	Archive 2		
which cannot	Pathway	Archive 3		
be removed.	Tunnel #			
Columns will be left blank if	Archive 1			
they are not	Archive 2			
applicable.	Archive 3			
Attributes	Status			
shown in red	Conduit Diameter			
have been left				
blank				



GIS Utility Data Review Sheet

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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Drainage (Storm Water)		
	L.	L
	Lines	Lines
Objects:	Dams/Ponds Outline	River Lines
Attributes:		
***	Object Verify	Object Verify
**Please note:	COMMENTS	COMMENTS
Attribute types in all	Dam Type	River Type
UPPERCASE		
indicate default		
data collumns		
which cannot		
be removed. Columns will		
be left blank if		
they are not		
applicable.		
Attributes		
shown in red have been left		
blank		
Diamit		



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Drainage (Storm Water)			
	I	L	
Object Type:	Polygons	Lines	
Objects:	River Polygons / Ponds Filled	Channels / Ditches	
Attributes:	_		
	Object Verify	Object Verify	
**Please note:	COMMENTS	COMMENTS	
Attribute types in all	River Type	Owner	
UPPERCASE		Channel Type	
indicate default		Channel Material	
data collumns		Start Node	
which cannot		End Node	
be removed.		Channel Gradient	
Columns will be left blank if		Start Ground Level	
they are not		End Ground Level	
applicable.		Start Invert Level	
Attributes		End Invert Level	
shown in red		Channel Bottom Width	
have been left		Channel top Width	
blank		Channel Depth	



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Drainage (Storm Water)		
OI: . T	L.	Is
Object Type:	Lines	Nodes
Objects:	Storm Water Pipes	Manholes, Inlets
Attributes:		
**Please note: Attributes: **Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank	Storm Water Pipes Object Verify COMMENTS TAG VALUE Owner Pipe Type Pipe Diameter Pipe Material Start Node End Node Pipe Gradient Start Ground Level End Ground Level Start Invert Level End Invert Level ATTR Size ATTR Type ATTR Length	Manholes, Inlets Object Verify COMMENTS Owner Node ID Node Type SYMBOL NAME Quarter Sheet Node Depth Node Ground Level Invert Node Size 1 Node Size 2 SDCBID CITY ID
	ATTR Size Orig	



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Drainage (Storm Water)		
	1	L.
Object Type:	Text	Lines
Objects:	Pipe Labels	Label Lines - Lines that tie text to pipes or
		nodes
Attributes:		
	Object Verify	Object Verify
**Please note:	COMMENTS	COMMENTS
Attribute types	TAG VALUE	
in all	Owner	
UPPERCASE	Object GID	
indicate default data collumns	Label Type	
which cannot	Zuwer Type	
be removed.		
Columns will		
be left blank if		
they are not		
applicable.		
Attributes		
shown in red have been left		
blank		
DIATIK		



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Drainage (Storm Water)		
	1	
	Lines	Text
Objects:	Storm Water Structures	Storm Water Notes
Attributes:		
	Object Verify	Object Verify
**Please note:	COMMENTS	COMMENTS
Attribute types in all	Structure Type	TAG VALUE
UPPERCASE	Attribute Size	
indicate default	Attribute Type	
data collumns	Attribute Length	
which cannot		
be removed. Columns will		
be left blank if		
they are not		
applicable.		
Attributes		
shown in red		
have been left blank		
DIATIK		



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Electric			
Object Type:	Lines	Nodes	Lines
Object Type. Objects:	Electrical Lines	Electrical Nodes	Structure Lines
Objects: **Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red			
	Reinforcement (ie red concrete, ect)		



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Electric			
O	L	l	I
Object Type:	Text	Lines	
Objects:	Electrical Notes	Label Lines - Lines that tie text	
		to pipes or nodes	
Attributes:			
***	Object Verify	Object Verify	
**Please note:	COMMENTS	COMMENTS	
Attribute types in all	TAG VALUE		
UPPERCASE	Note Type		
indicate default			
data collumns			
which cannot			
be removed.			
Columns will be left blank if			
they are not			
applicable.			
Attributes			
shown in red			
have been left			
blank			
	1	1	1



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Exterior Lighting		
Object Type: Objects: **Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank	Light Poles Control Stations Object Verify COMMENTS TAG VALUE Owner Controller Field ID Equipment # Station ID Node Type SYMBOL NAME Node Reference Node Material OFFSET DISTANCE OFFSET DIRECTION LAT-LONG Number of Bulbs New ID Old ID Duplicate Field ID BAK Location	Segments Lighting Electrical Lines Object Verify COMMENTS TAG VALUE Segment Type Wire Size Verify Status Start Status End Status Start Node End Node Start Type End Type



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Irrigation			
Object	lnia da	lu:	lie
Object Type:	Nodes	Lines	Lines
Objects:	Valves, Heads, Pull boxes ect	Irrigation Pipes	Laterals
Attributes:			
Attributes.	COMMENTS	Object Verify	COMMENTS
**Please note:	Layer	COMMENTS	Layer
Attribute types	Blockname	Owner	
in all	Station	Layer	
UPPERCASE indicate default	Valve	Pipe Type	
data collumns	SYMBOL NAME	Pipe Diameter	
which cannot	GPM	Old GID	
be removed.	GPM Char	Pipe Diameter Txt	
Columns will be left blank if			
they are not		Mainlines Only	(Maintained in Grounds sprinkler
applicable.			system - No longer tracked by
Attributes			GIS)
shown in red have been left			
blank			



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Irrigation			
Object Type:	Lines	Lines	Nodes
Objects:	Misc Lines	Sodline	Symbols
Attributes:			
	COMMENTS	COMMENTS	COMMENTS
**Please note: Attribute types in all UPPERCASE indicate default data collumns	Layer	Layer (See Ground Panels)	layer Blockname Valve SYMBOL NAME GPM
which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank			GPM Char



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Irrigation			
Object Type:	Nodes	Lines	Lines
Objects:	Moisture Sensors	Control Wires	Sleeves
Attributes:			
	COMMENTS	COMMENTS	COMMENTS
**Please note:	SYMBOL NAME	Layer	Layer
Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank		(Maintained in Grounds sprinkler system - No longer tracked by GIS)	(Maintained in Grounds sprinkler system - No longer tracked by GIS)



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Irrigation			
Object Type:	Text	Text	Lines
Objects:	Notes	Labels	Label Lines - Lines that tie text
		3.55.5	to pipes or nodes
Attributes:			
	COMMENTS	COMMENTS	COMMENTS
**Please note:	TAG VALUE	TAG VALUE	Layer
Attribute types	Layer	Object GID	,
in all	Note Type	Old Object GID	
UPPERCASE indicate default		Label Type	
data collumns			
which cannot			
be removed.			
Columns will			
be left blank if they are not			
applicable.			
Attributes			
shown in red			
have been left			
blank			



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	Natural (Gas
	Nodes	Lines
Objects:	Valves, Meters ect	Pipelines
Attributes:		
	Object Verify	Object Verify
	COMMENTS	COMMENTS
Attribute types	Owner	Owner
in all UPPERCASE	Node ID	Pipe Type
indicate default	Node Type	Pipe Diameter
data collumns	SYMBOL NAME	Pipe Material
which cannot		
be removed.		
Columns will		
be left blank if they are not		
applicable.		
Attributes		
shown in red		
have been left		
blank		



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

	Natural (Gas
Object Type:	Text	Lines
Objects:	Notes	Structure Lines
Attributes:		
	Object Verify	Object Verify
**Please note:	COMMENTS	COMMENTS
Attribute types in all	TAG VALUE	
UPPERCASE		
indicate default		
data collumns		
which cannot be removed.		
Columns will		
be left blank if		
they are not		
applicable.		
Attributes shown in red		
have been left		
blank		



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

		Sanitary Sewer	
	i		
Object Type:	Text	Text	Text
Objects:	Labels	Labels (Gravity)	Notes
Attributes:			
Allibules.	Object Verify	Object Verify	Object Verify
**Please note:	Object Verify	Object Verify COMMENTS	Object Verify COMMENTS
Attribute types	COMMENTS		
in all	TAG VALUE	TAG VALUE	TAG VALUE
UPPERCASE	Label Type	Label Type	UCB Layer
indicate default			Node Type
data collumns			
which cannot be removed.			
Columns will			
be left blank if			
they are not			
applicable.			
Attributes			
shown in red have been left			
blank			
Diarik			



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Attributes: Object Verify COMMENTS COMMENTS TAG VALUE Owner SYMBOL NAME Mode Reference Q Sheet Node Depth DWG Rim Flow Level Cover elevation DWG SSMHID DWG SSMHID DWG Block Object Verify Object Verify COMMENTS TAG VALUE Owner Owner Owner DYPERCASE Indicate default data collumns Which cannot be removed. Columns will be left blank if they are not applicable. Attributes Shown in red have been left Object Verify Object Verify Object Verify COMMENTS TAG VALUE Owner Owner DYPE ID Owner Service Connection Ty Service Connection Ty Service Connection Ty Object Verify COMMENTS TAG VALUE Owner SymBol NAME Pipe ID Service Connection Ty Service Connection Ty Service Connection Ty Service Connection Ty DYG Sim Pipe gradient Flow Level Cover elevation End Cover elevation Start Invert Elevation DWG SSMHID DWG Block Start Node			Sanitary Sewer	
Attributes: **Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank Object Verify Object Verify Object Verify COMMENTS COMMENTS TAG VALUE Owner	Object Type:	Nodes	Lines	Lines
**Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank **Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank **Please note: COMMENTS TAG VALUE Owner Owner Owner Pipe ID Service Connection Ty Service Connection Ty Start cover elevation End Cover elevation DWG SSMHID DWG CITYID End Invert Elevation DWG Block Temporary Diameter BLK Pipe Type BLK Pipe Ength BLK Pipe Size		Valves ect	Pipes (Gravity)	Service Connections
**Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank Attributes TAG VALUE Owner Owner Owner Owner Owner Owner Owner Owner Outhout Deptile Downer Owner Ooner Oo	Attributes:			
Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank Attributes in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank But Pipe ID Service Connection Ty		Object Verify	Object Verify	Object Verify
in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank Owner Owner Oyner Oyn		COMMENTS	COMMENTS	COMMENTS
UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank UOMB CITYID DWG Rim Pipe ID Service Connection Ty UCB Layer Pipe diameter Pipe Material Pipe gradient Pipe gradient Pipe gradient Pipe gradient Pipe gradient Pipe gradient Pipe Gover elevation End Cover elevation DWG SSMHID DWG CITYID DWG CITYID End Invert elevation Start Node End Node Temporary Diameter BLK Pipe Type BLK Pipe Length BLK Pipe Size		TAG VALUE	TAG VALUE	Pipe ID
indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank Mode Reference Q Sheet Node Depth DWG Rim Flow Level Cover elevation DWG SSMHID DWG SSMHID DWG CITYID End Invert elevation Service Connection Ty UCB Layer Pipe diameter Pipe Material Cover elevation End Cover elevation DWG SSMHID DWG CITYID End Invert elevation DWG Block Start Node End Node Temporary Diameter BLK Pipe Type BLK Pipe Length BLK Pipe Size		Owner	Owner	Parcel GID
data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank Node Reference Q Sheet Pipe diameter Pipe Material Pipe gradient Flow Level Start cover elevation End Cover elevation DWG SSMHID DWG SSMHID DWG CITYID End Invert elevation DWG Block Start Node End Node Temporary Diameter BLK Pipe Type BLK Pipe Length BLK Pipe Size		SYMBOL NAME	Pipe ID	Service Connection Type
be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank Node Depth DWG Rim Flow Level Cover elevation DWG SSMHID DWG SSMHID DWG CITYID End Invert elevation DWG Block Start Node End Node Temporary Diameter BLK Pipe Type BLK Pipe Length BLK Pipe Size			UCB Layer	
Columns will be left blank if they are not applicable. Attributes shown in red have been left blank DWG Rim Flow Level Cover elevation DWG SSMHID DWG CITYID DWG CITYID DWG Block Start Invert Elevation End Invert elevation Start Node End Node Temporary Diameter BLK Pipe Type BLK Pipe Size	which cannot	Q Sheet	Pipe diameter	
be left blank if they are not applicable. Attributes shown in red have been left blank DWG SIMI Flow Level Cover elevation DWG SSMHID DWG CITYID DWG CITYID DWG Block Start Invert Elevation End Invert elevation Start Node End Node Temporary Diameter BLK Pipe Type BLK Pipe Length BLK Pipe Size		Node Depth	Pipe Material	
they are not applicable. Attributes shown in red have been left blank Flow Level Cover elevation DWG SSMHID DWG CITYID DWG Block Start Cover elevation End Cover elevation Start Invert Elevation DWG CITYID DWG Block Start Node End Node Temporary Diameter BLK Pipe Type BLK Pipe Length BLK Pipe Size		DWG Rim	Pipe gradient	
applicable. Attributes shown in red have been left blank Cover elevation DWG SSMHID DWG CITYID DWG Block End Cover elevation Start Invert Elevation End Invert elevation Start Node End Node Temporary Diameter BLK Pipe Type BLK Pipe Length BLK Pipe Size		Flow Level	Start cover elevation	
Attributes shown in red have been left blank DWG SSMHID DWG CITYID DWG Block End Invert elevation Start Node End Node Temporary Diameter BLK Pipe Type BLK Pipe Length BLK Pipe Size	The second secon	Cover elevation	End Cover elevation	
have been left blank DWG Block Start Node End Node Temporary Diameter BLK Pipe Type BLK Pipe Length BLK Pipe Size		DWG SSMHID	Start Invert Elevation	
End Node Temporary Diameter BLK Pipe Type BLK Pipe Length BLK Pipe Size		DWG CITYID	End Invert elevation	
Temporary Diameter BLK Pipe Type BLK Pipe Length BLK Pipe Size		DWG Block	Start Node	
BLK Pipe Type BLK Pipe Length BLK Pipe Size	blank		End Node	
BLK Pipe Length BLK Pipe Size			Temporary Diameter	
BLK Pipe Size			BLK Pipe Type	
			BLK Pipe Length	
Temp column gpipe to sc			BLK Pipe Size	
			Temp column gpipe to sc	



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		Sanitary Sewer	
Object Type:	Lines	 	
Objects:	Structures		
Attributes:			
**Please note: Attribute types	Object Verify COMMENTS		
in all UPPERCASE indicate default	Consider adding 'Structure Type'		
data collumns which cannot be removed.			
Columns will be left blank if they are not			
applicable. Attributes shown in red			
have been left blank			



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Steam			
Object Type:	Lines	Nodes	
Objects:	Steam Pipes	Steam Valves, Meters ect.	
Attributes:			
	Object Verify	Object Verify	
**Please note:	COMMENTS	COMMENTS	
Attribute types in all	Owner	Owner	
UPPERCASE	Pipe Type	Node ID	
indicate default	Pipe Diameter	Node Type	
data collumns	Utility Pathway	SYMBOL NAME	
which cannot	Tunnel Number		
be removed. Columns will	Project Archive 1		
be left blank if	Project Archive 2		
they are not	Project Archive 3		
applicable.	Status		
Attributes	Conduit Diameter		
shown in red			
have been left blank			
DIATIK			



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Object Type:	Steam			
Objects: Notes Label Lines - Lines that tie text to pipes or nodes Attributes: Object Verify **Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left		1	1	
Attributes: Object Verify **Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left				
Attributes: **Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left	Objects:	Notes		
**Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left			nodes	
**Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left	Attributes:			
Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left				
in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left		COMMENTS	COMMENTS	
UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left		TAG VALUE		
indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left		Note Type		
data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left				
be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left				
Columns will be left blank if they are not applicable. Attributes shown in red have been left				
be left blank if they are not applicable. Attributes shown in red have been left				
they are not applicable. Attributes shown in red have been left				
applicable. Attributes shown in red have been left				
Attributes shown in red have been left				
have been left				
blank				
	blank			



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Phone: 303-492-2655

Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

email: elizabeth.m.goetz@colorado.edu or neil.huebner@colorado.edu

Utility Pathways (Tunnels)

Object Type:	Polygons	Polygons	Polygons
Objects:	Utility Pathways (Tunnels)	Tunnel Access	Ventilation
Attributes:			
Attributes.	Object Verify	Object Verify	Object Verify
**Please note:	COMMENTS	COMMENTS	COMMENTS
Attribute types in all	TAG VALUE	Access ID	TAG VALUE
UPPERCASE	Segment ID	Access Type	Ventilation ID
indicate default	Pathway Type	Access Style	Ventilation Type
data collumns which cannot	Link to PDF 1 Link to PDF 2	Access Class Link to PDF	
be removed.	Link to PDF 3	Ladder	
Columns will			
be left blank if they are not			
applicable.			
Attributes			
shown in red have been left			
blank			



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

	Water			
	,			
Object Type:	Nodes	Lines	Lines	
Objects:	Water valves, hydrants, meters,	Water Pipes	Service Connections	
	ect			
Attributes:				
	Object Verify	Object Verify	Object Verify	
**Please note:	COMMENTS	COMMENTS	COMMENTS	
Attribute types in all	TAG VALUE	Owner	Owner	
UPPERCASE	Owner	Pipe ID	Pipe ID	
indicate default	Node ID	Water Category	Parcel GID	
data collumns	Water Category	Pipe diameter	Water Category	
which cannot	Node Type	Pipe Material	ATTR Size	
be removed.	SYMBOL NAME	Start Node	ATTR Type	
Columns will be left blank if	Node Reference	End Node	ATTR Length	
they are not	Node Elevation	ATTR Size	ATTR Dia	
applicable.	Old Block Name	ATTR Type	Тетр Туре	
Attributes	Old Hydrant Number	ATTR Length		
shown in red		ATTR Dia		
have been left		Temp Type		
blank				



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Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

		Water	
Object Type:	Text	Lines	Nodes
Objects:	Notes	Structures	Symbols
Attributes:			
**Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank	Object Verify COMMENTS TAG VALUE Note Type	Object Verify COMMENTS Funded By Maintained By Controlled By	Object Verify COMMENTS TAG VALUE Water Category SYMBOL NAME ATTR Size ATTR Type ATTR Length ATTR Dia Temp Type



GIS Utility Data Review Sheet

This is a summery of the type of data collected on the CU Boulder campus for the utility specified below. Please review this information and send any questions, changes or recommendations to the CAD/GIS Office via email or by returning this hardcopy with redlines. We can be reached by the following methods:

Phone: 303-492-2655

Address: 1540 30th Street, RL-2, 3rd Floor, Room 377

Raw Water			
Object Type:	Text	Text	Nodes
Objects:	Dimension Notes	Dimensions	Raw Water Nodes
**Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank	Object Verify COMMENTS TAG VALUE	Object Verify COMMENTS TAG VALUE	Object Verify COMMENTS TAG VALUE Owner Node ID Water Category Node Type SYMBOL NAME Node Reference Node elevation Old Block Name Old Hydrant Number
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Raw Water			
Гехt	Text	Lines	
Notes	Pipe Labels	Pipes	
Object Verify COMMENTS FAG VALUE	Object Verify COMMENTS TAG VALUE	Object Verify COMMENTS Owner Pipe ID Water Category Pipe diameter Pipe Material Start Node End Node ATTR Size ATTR Type ATTR Length ATTR Dia Temp Type	
	Notes Object Verify COMMENTS	Text Notes Pipe Labels Object Verify COMMENTS COMMENTS	



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	Raw Water			
Object Type: Objects: Attributes:	Lines Service Connections Object Verify	Nodes Symbols Object Verify	Polygons Water Zones Object Verify	
**Please note: Attribute types in all UPPERCASE indicate default data collumns which cannot be removed. Columns will be left blank if they are not applicable. Attributes shown in red have been left blank	COMMENTS Owner Pipe ID	COMMENTS TAG VALUE Water Category SYMBOL NAME ATTR Size ATTR Type ATTR Length ATTR Dia Temp Type	COMMENTS TAG VALUE Zone ID Water Category	