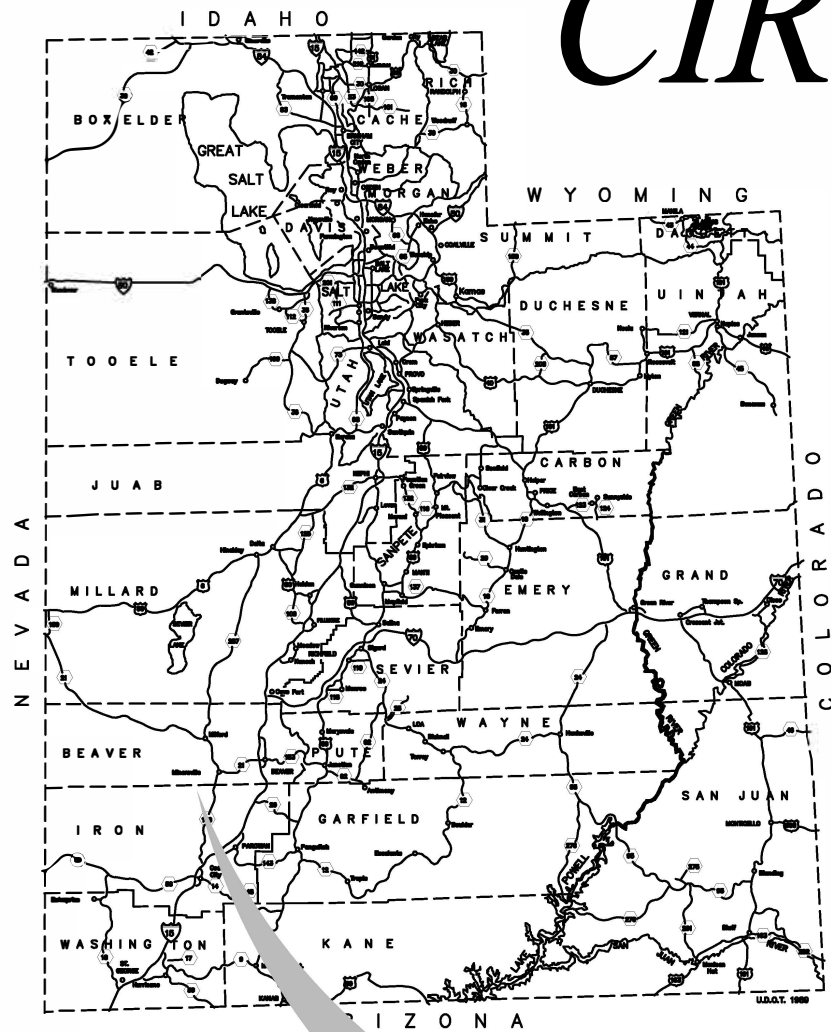


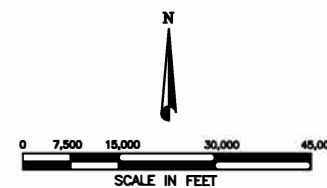
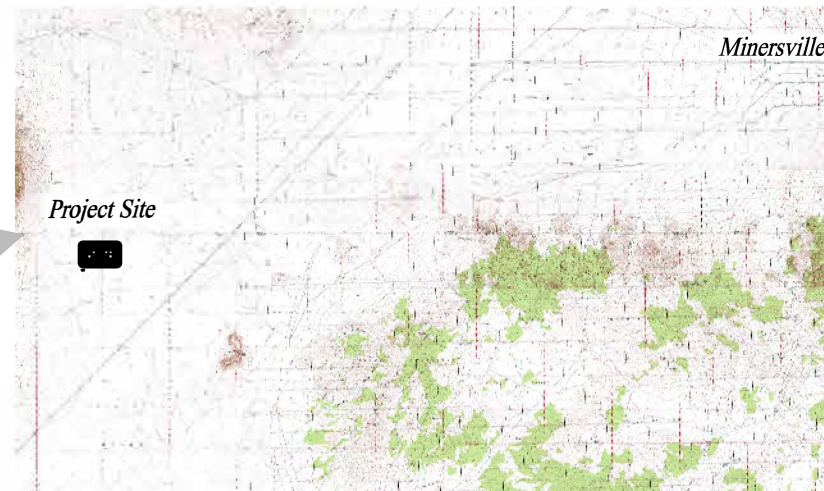
Attachment 1 - Design and Construction

CIRCLE FOUR FARMS

Class III b Landfill Iron County, Utah



LIST OF DRAWINGS	
SHEET	DRAWING NAME
1	TITLE SHEET
2	GENERAL ARRANGEMENT
3	PROPERTY OWNERSHIP
4	IRON COUNTY LAND USE
5	IRON COUNTY ZONING
6	STORMWATER
7	PHASED CONSTRUCTION
8	SECTION VIEW & DETAILS



REFERENCE:
USGS 24 MINUTE QUADRANGLE SERIES
THERMO, BURNS KNOLL, LATIMER, BADGER CREEK, UTAH



CIRCLE 4 FARMS
341 S. MAIN STREET
MILFORD, UT 84751

CONSULTANTS



ideas for a changing world

4153 South Commerce Drive
Salt Lake City, Utah 84107
(801)270-9400 Fax: (801)270-9401

MARK	DATE	DESCRIPTION
	01/19/10	FINAL
	05/01/09	FINAL DRAFT

ISSUE:
PROJECT NO.: 01260-001
CAD DWG FILE: 01260-001/C4_Base.dwg
DRAWN BY: JAH
DESIGNED BY: BDM
CHECKED BY: XXX
COPYRIGHT: IGES 2009

SHEET TITLE
CIRCLE 4 FARMS
TITLE SHEET



CIRCLE 4 FARMS
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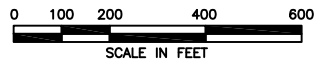
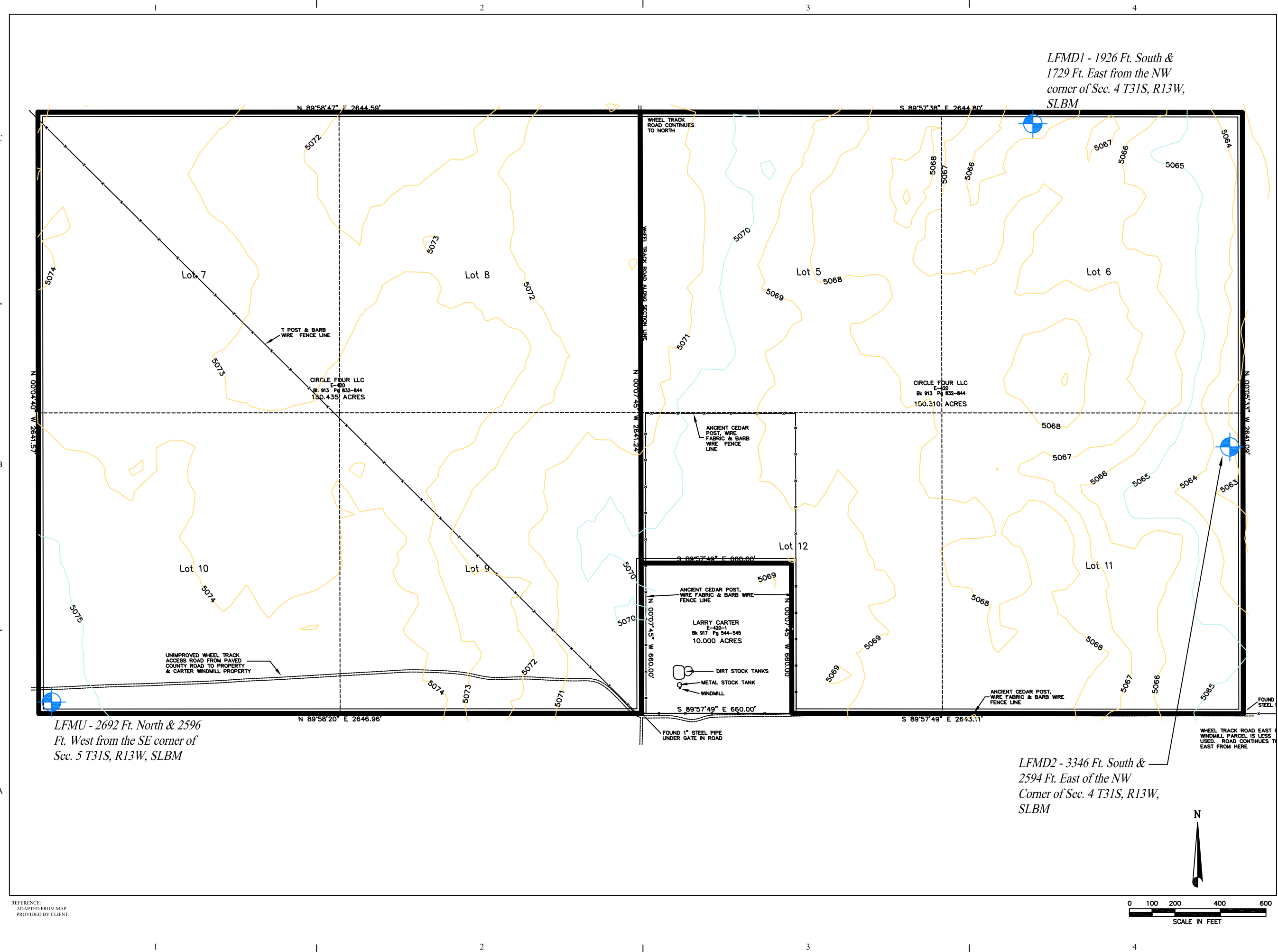
4153 South Commerce Drive
 Salt Lake City, Utah 84107
 (801)270-9400 Fax: (801)270-9401

Groundwater Monitoring Well

MARK	DATE	DESCRIPTION
	01/19/10	FINAL
	05/01/09	FINAL DRAFT

ISSUE:	
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SHEET TITLE
CIRCLE 4 FARMS
GENERAL
ARRANGEMENT



REFERENCE:
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NOTES:

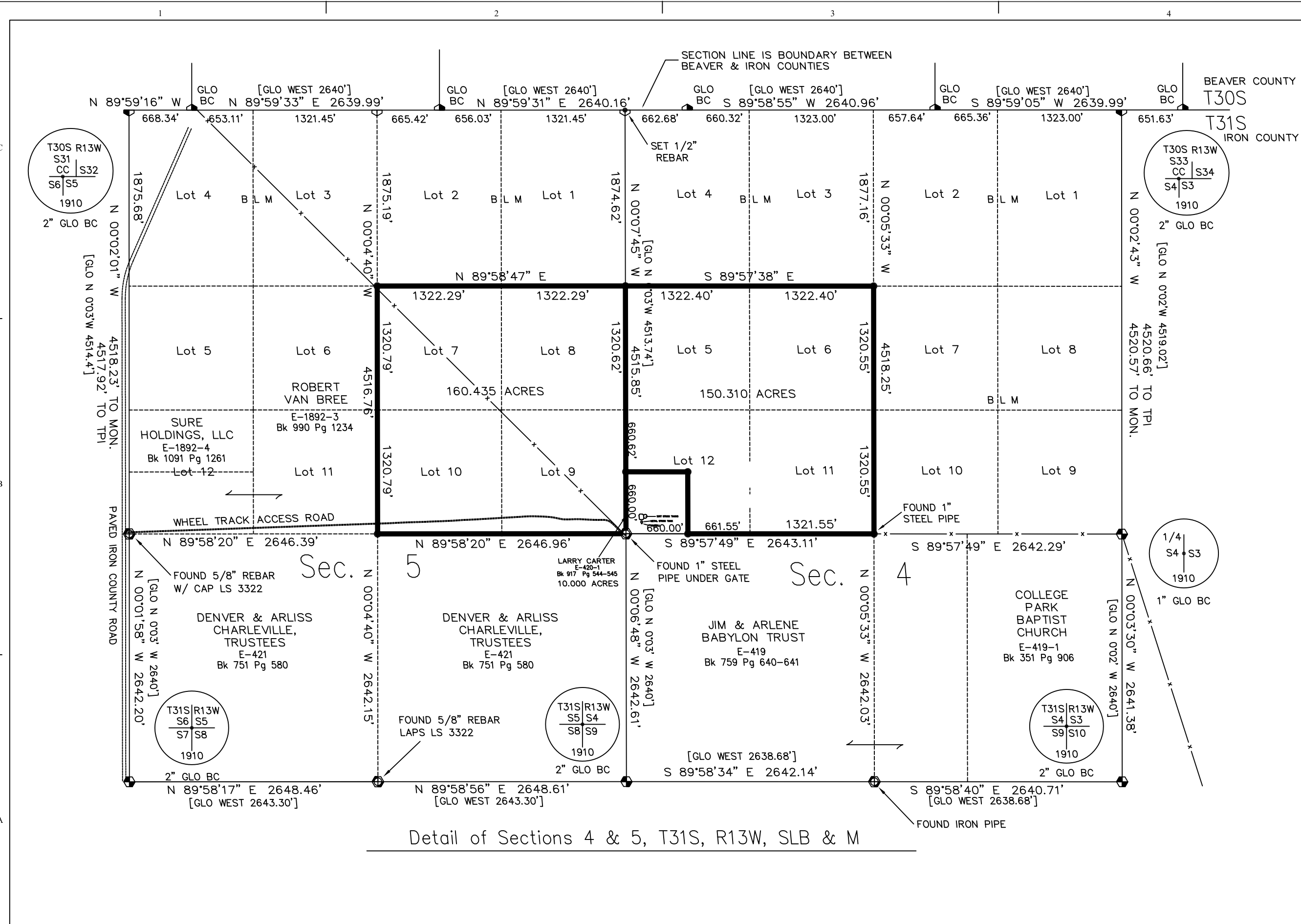
PROPERTY BOUNDARY

MARK	DATE	DESCRIPTION
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	05/01/09	FINAL DRAFT

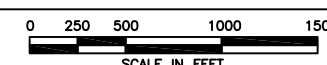
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CAD DWG FILE:	01260-001/C4 Base.dwg
DRAWN BY:	JAH
DESIGNED BY:	BDM
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SHEET TITLE

CIRCLE 4 FARMS
PROPERTY OWNERSHIP



Detail of Sections 4 & 5, T31S, R13W, SLB & M



REFERENCE:
PROPERTY SURVEYED BY GRIMSHAW SURVEYING, INC.
DOUGLAS B. GRIMSHAW, PLS (UT #174457-2201)



REFERENCE:
ZONING MAP PREPARED BY IRON COUNTY GIS DEPARTMENT
PROVIDED BY CLIENT.



CIRCLE 4 FARMS
341 S. MAIN STREET
MILFORD, UT 84751

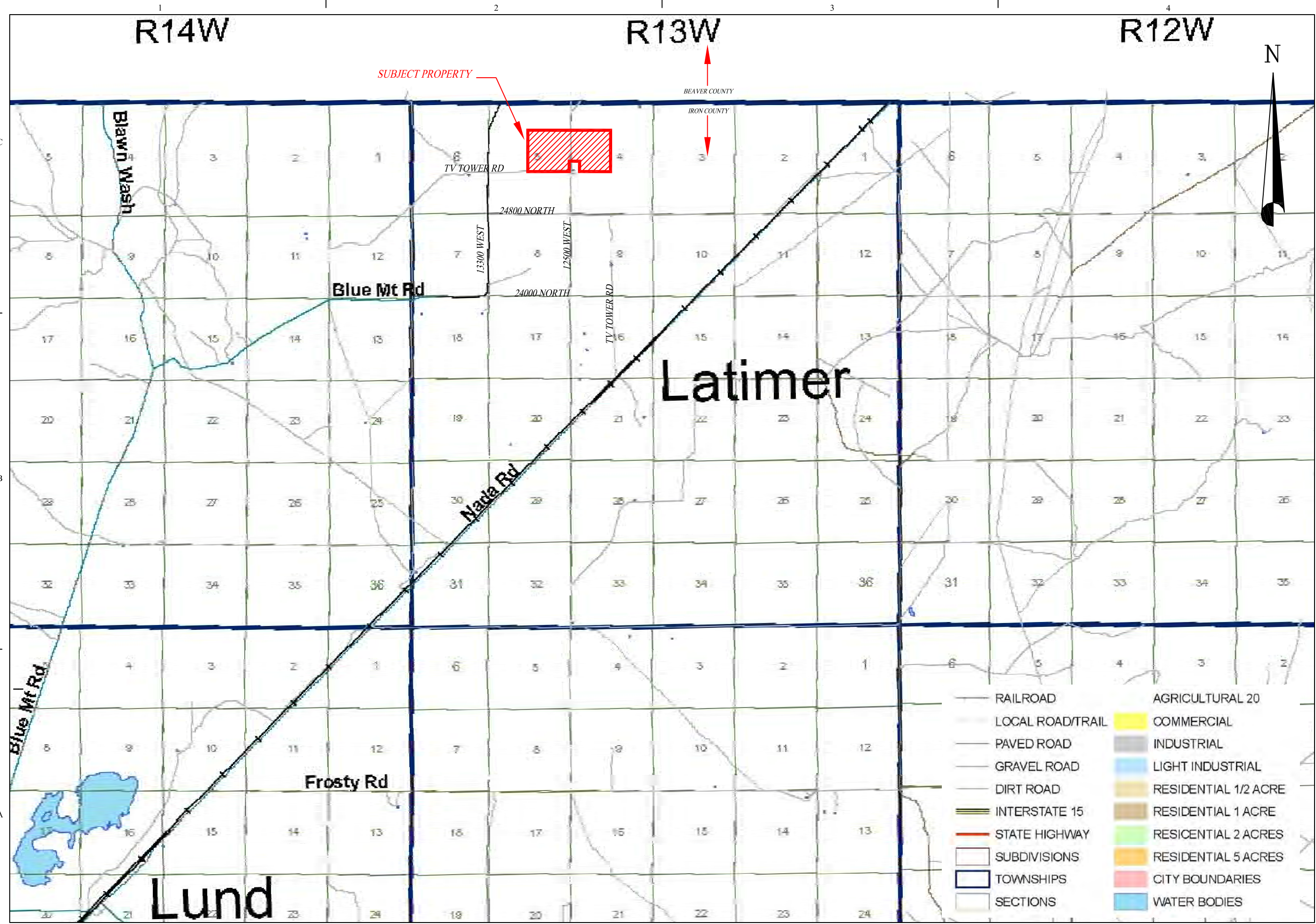
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	01/19/10	FINAL
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SHEET TITLE
CIRCLE 4 FARMS
IRON COUNTY
LAND USE



CIRCLE 4 FARMS
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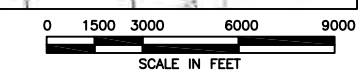


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NOTES:
 Subject property is currently zoned
 as Agricultural 20 (A 20)

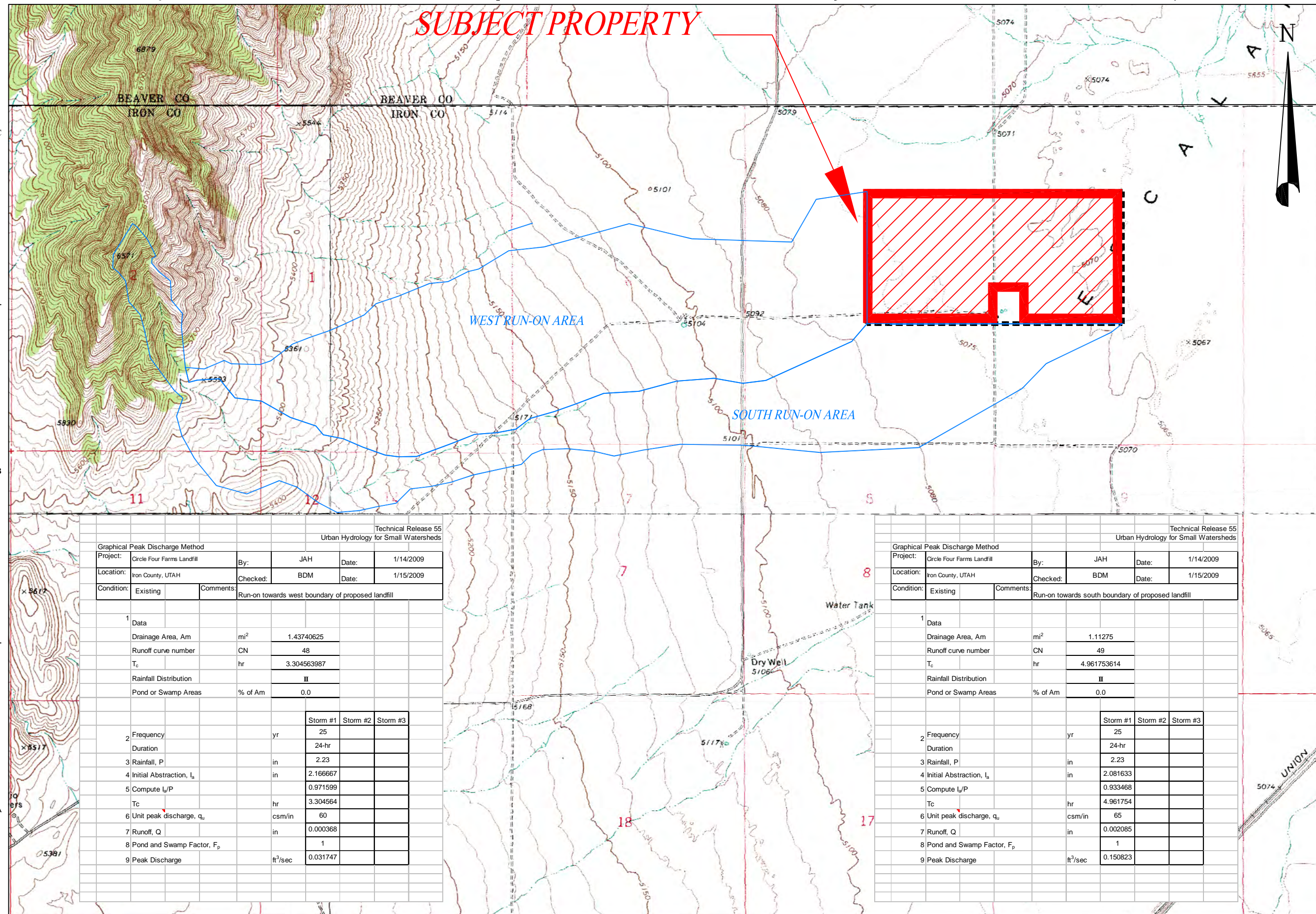
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CAD DWG FILE:	01260-001/C4 Base.dwg	
DRAWN BY:	JAH	
DESIGNED BY:	BDM	
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SHEET TITLE
 CIRCLE 4 FARMS
IRON COUNTY
ZONING



REFERENCE:
 ZONING MAP PREPARED BY IRON COUNTY GIS DEPARTMENT
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SUBJECT PROPERTY



CIRCLE 4 FARMS
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	05/01/09	FINAL DRAFT
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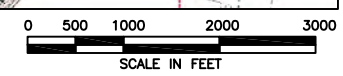
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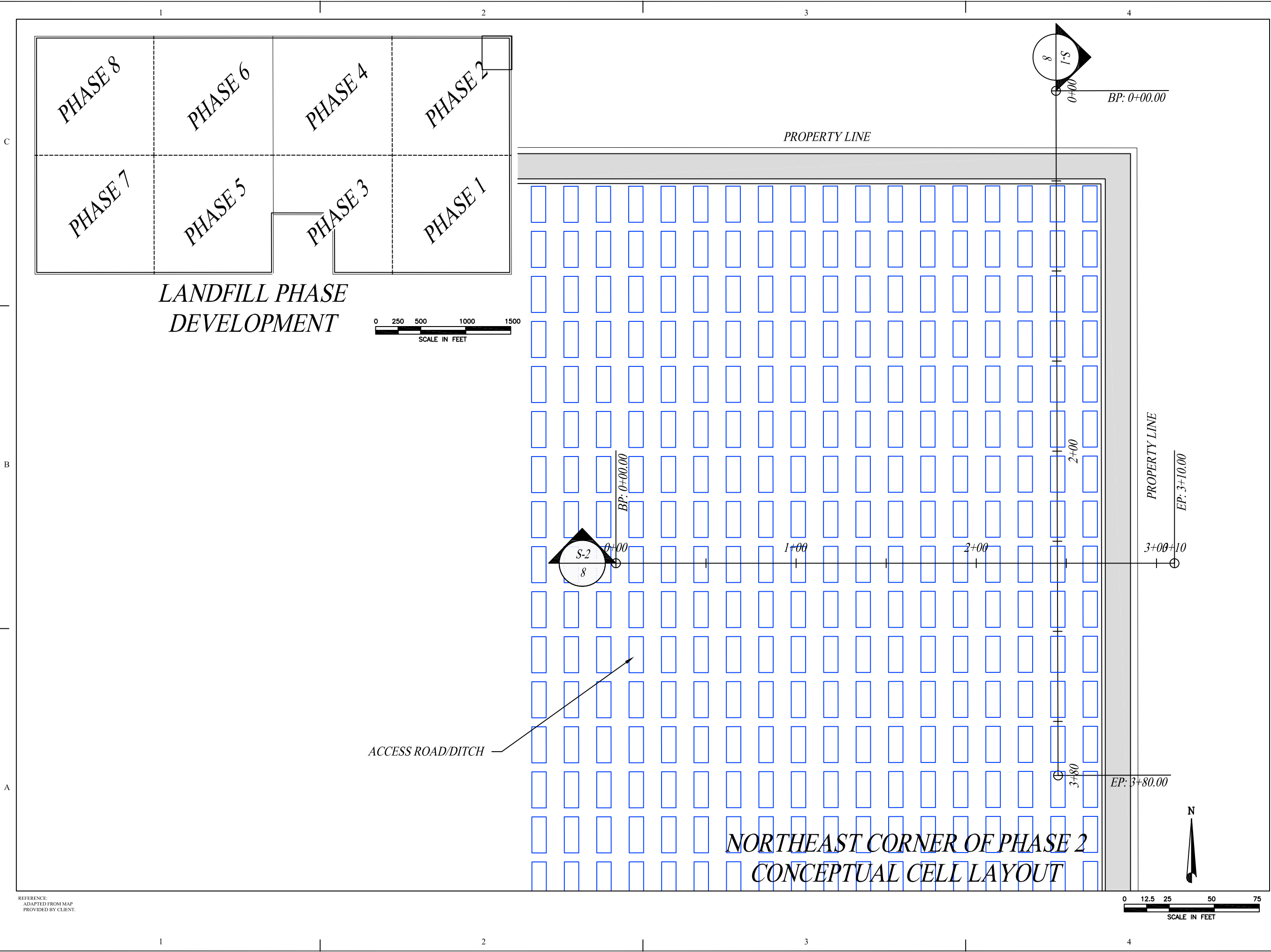
SHEET TITLE
CIRCLE 4 FARMS
STORM-WATER

Graphical Peak Discharge Method		Technical Release 55 Urban Hydrology for Small Watersheds			
Project:	Circle Four Farms Landfill	By:	JAH	Date:	1/14/2009
Location:	Iron County, UTAH	Checked:	BDM	Date:	1/15/2009
Condition:	Existing	Comments:	Run-on towards west boundary of proposed landfill		
1 Data					
Drainage Area, Am	mi ²	1.43740625			
Runoff curve number	CN	48			
T _c	hr	3.304563987			
Rainfall Distribution		II			
Pond or Swamp Areas	% of Am	0.0			
2 Frequency	yr		Storm #1	Storm #2	Storm #3
Duration		24-hr			
3 Rainfall, P	in	2.23			
4 Initial Abstraction, I _a	in	2.166667			
5 Compute I _a /P		0.971599			
T _c	hr	3.304564			
6 Unit peak discharge, q _u	csf/in	60			
7 Runoff, Q	in	0.000368			
8 Pond and Swamp Factor, F _p		1			
9 Peak Discharge	ft ³ /sec	0.031747			

Graphical Peak Discharge Method		Technical Release 55 Urban Hydrology for Small Watersheds			
Project:	Circle Four Farms Landfill	By:	JAH	Date:	1/14/2009
Location:	Iron County, UTAH	Checked:	BDM	Date:	1/15/2009
Condition:	Existing	Comments:	Run-on towards south boundary of proposed landfill		
1 Data					
Drainage Area, Am	mi ²	1.11275			
Runoff curve number	CN	49			
T _c	hr	4.961753614			
Rainfall Distribution		II			
Pond or Swamp Areas	% of Am	0.0			
2 Frequency	yr		Storm #1	Storm #2	Storm #3
Duration		24-hr			
3 Rainfall, P	in	2.23			
4 Initial Abstraction, I _a	in	2.081633			
5 Compute I _a /P		0.933468			
T _c	hr	4.961754			
6 Unit peak discharge, q _u	csf/in	65			
7 Runoff, Q	in	0.002085			
8 Pond and Swamp Factor, F _p		1			
9 Peak Discharge	ft ³ /sec	0.150823			

REFERENCE:
ZONING MAP PREPARED BY IRON COUNTY GIS DEPARTMENT
PROVIDED BY CLIENT.





CIRCLE 4 FARMS
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SHEET TITLE
 CIRCLE 4 FARMS
 PHASED
 CONSTRUCTION

REFERENCE:
 ADAPTED FROM MAP
 PROVIDED BY CLIENT.



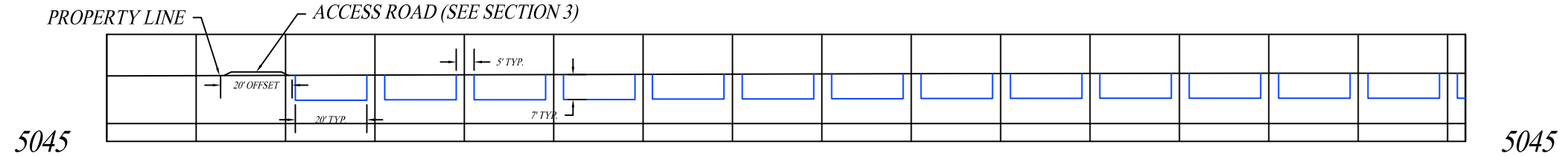
CIRCLE 4 FARMS
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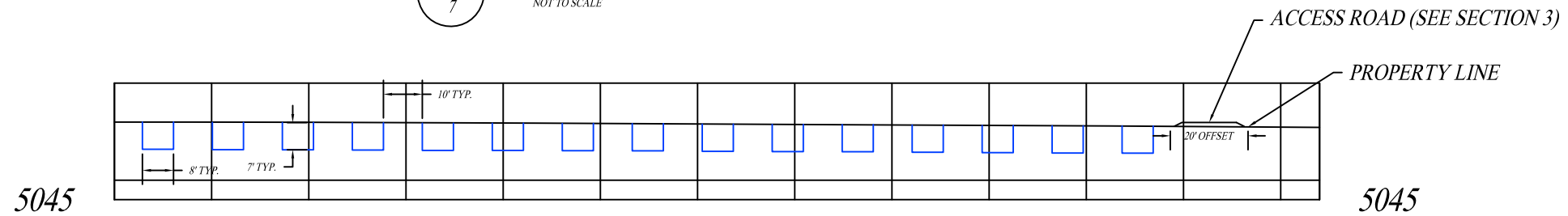


ideas for a changing world

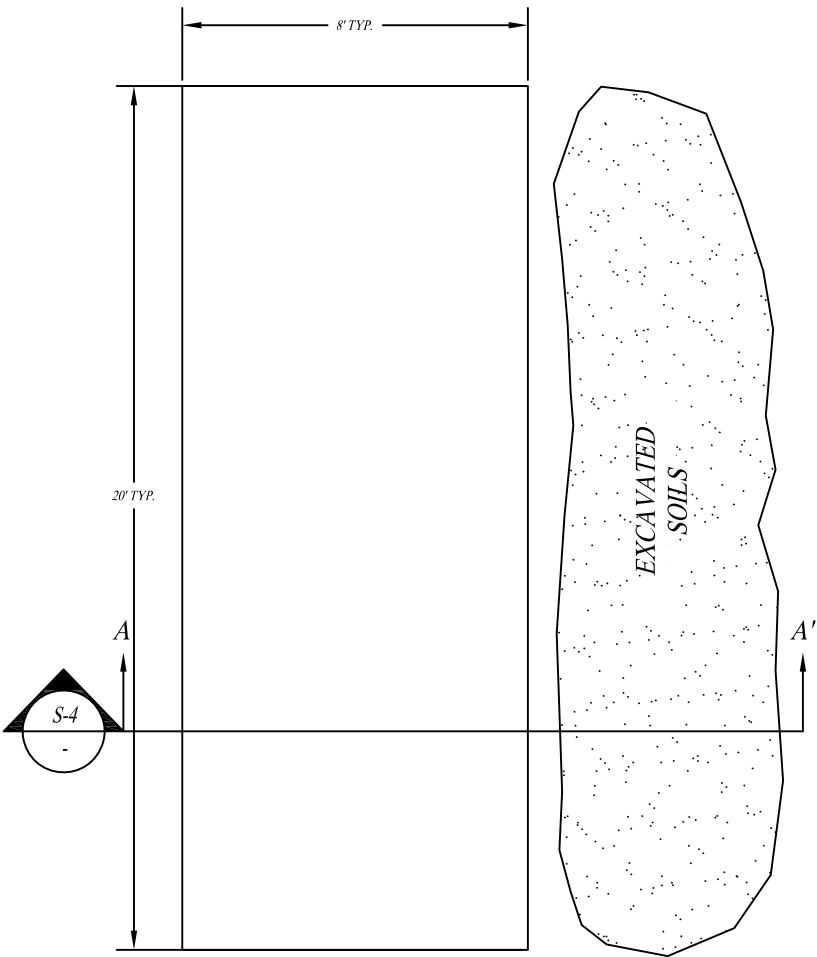
4153 South Commerce Drive
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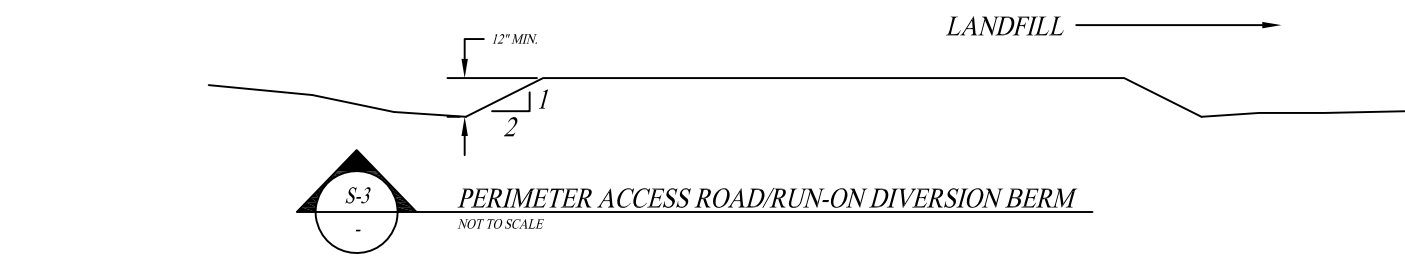
S-1
 7
 ELEVATION VIEW - CELL EXCAVATION PLAN (NORTH-SOUTH)
 NOT TO SCALE



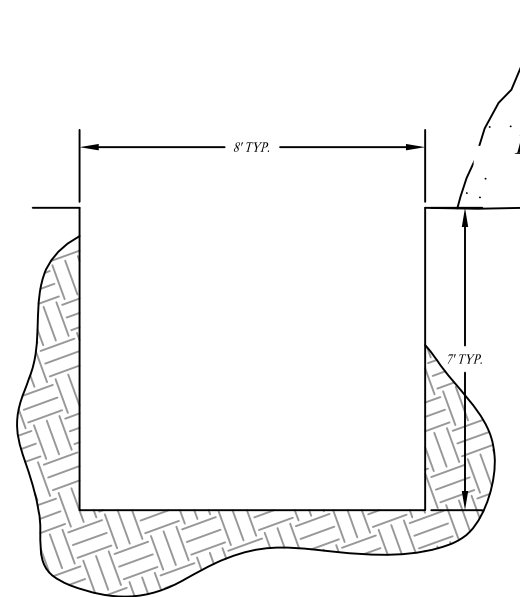
S-2
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 ELEVATION VIEW - CELL EXCAVATION PLAN (WEST-EAST)
 NOT TO SCALE



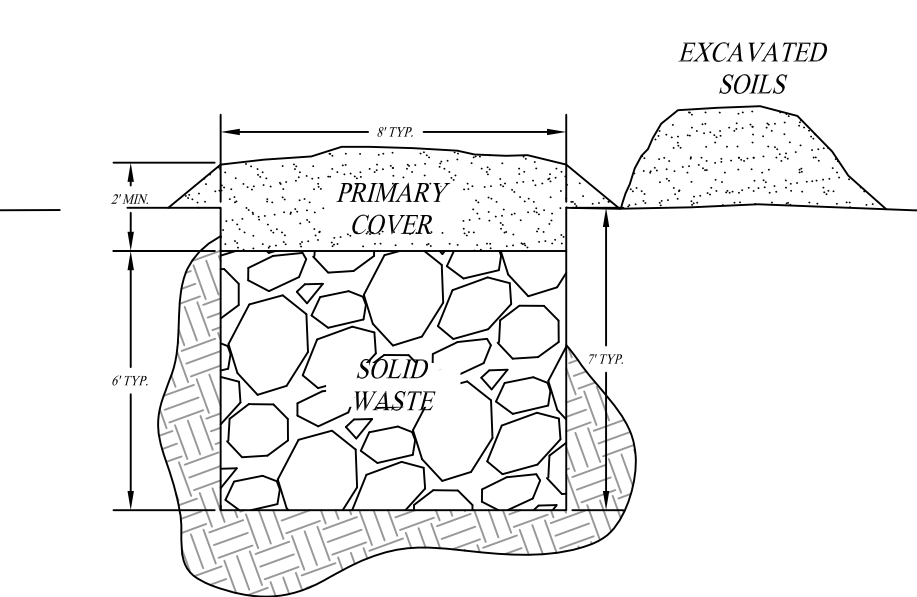
CELL EXCAVATION (PLAN VIEW)



S-3
 -
 PERIMETER ACCESS ROAD/RUN-ON DIVERSION BERM
 NOT TO SCALE



S-4
 -
 CELL EXCAVATION (ELEVATION VIEW)
 NOT TO SCALE



S-4
 -
 INITIAL FILL AND COVER (ELEVATION VIEW)
 NOT TO SCALE

REFERENCE:
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SHEET TITLE
 CIRCLE 4 FARMS
**ELEVATION VIEW
 & DETAILS**