

C & H HOG FARMS GESTATION-FARROWING FARM

ENGINEERING PLAN SHEETS

SECTION 26, T 15 N, R 20 W
NEWTON COUNTY, ARKANSAS

DATE: JUNE 1, 2012

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GENERAL NOTES



No.	Revision/Issue	Date

 **DeHaan, Grabs
& Associates, LLC**
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C & H HOG FARMS
GESTATION-FARROWING FARM

SECTION 26, T 15 N, R 20 W
NEWTON COUNTY, AR

COVER SHEET

DATE:
JUN 1, 2012

SCALE:
NONE

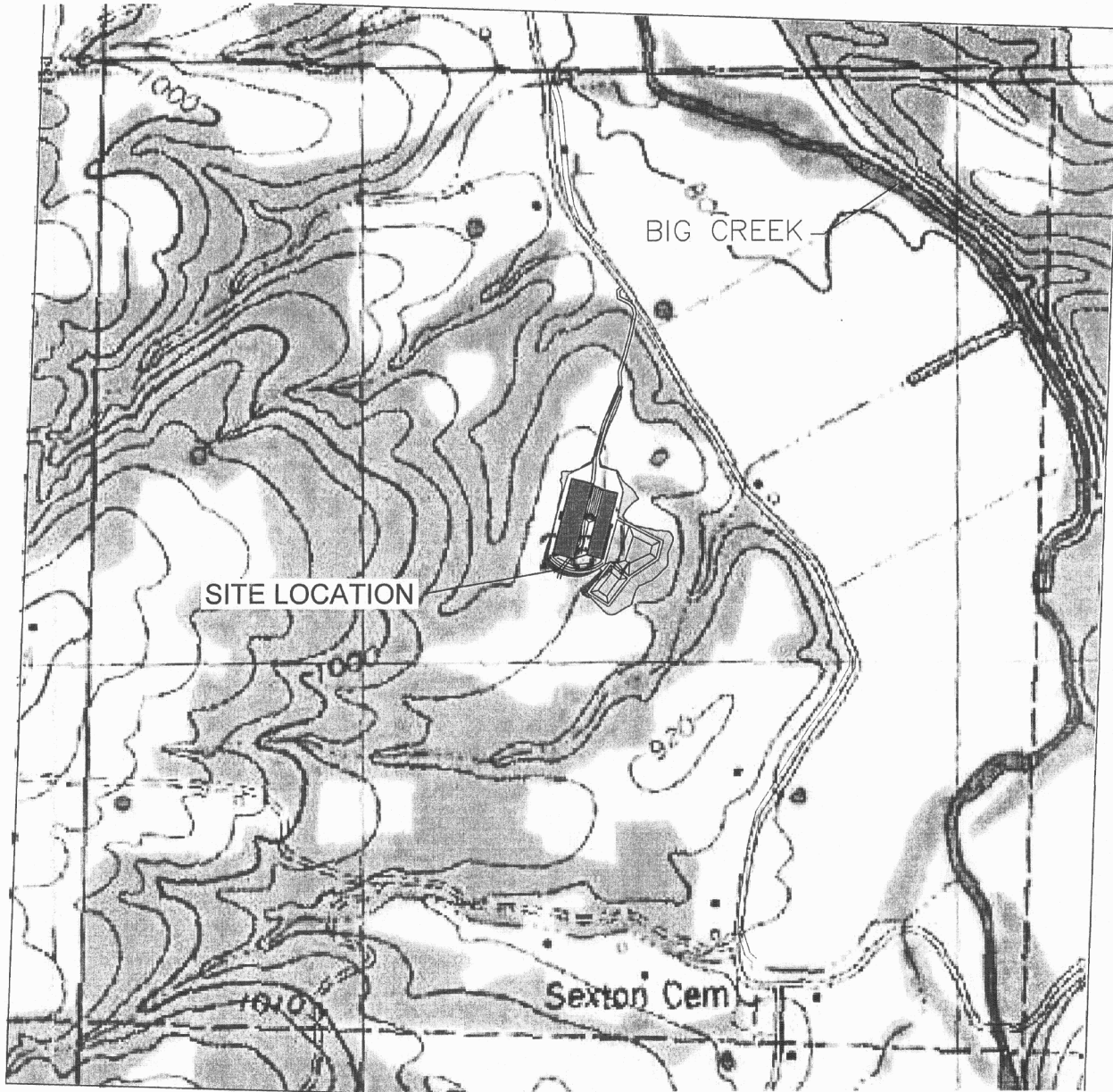
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NAP

CHECKED BY:
DLD

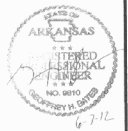
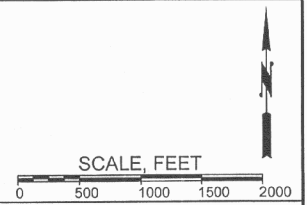
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COVER

FILE NAME: 05 PROJECT FILES/SWME/HENSON/FILES/PLAN



GENERAL NOTES



No.	Revision/Issue	Date

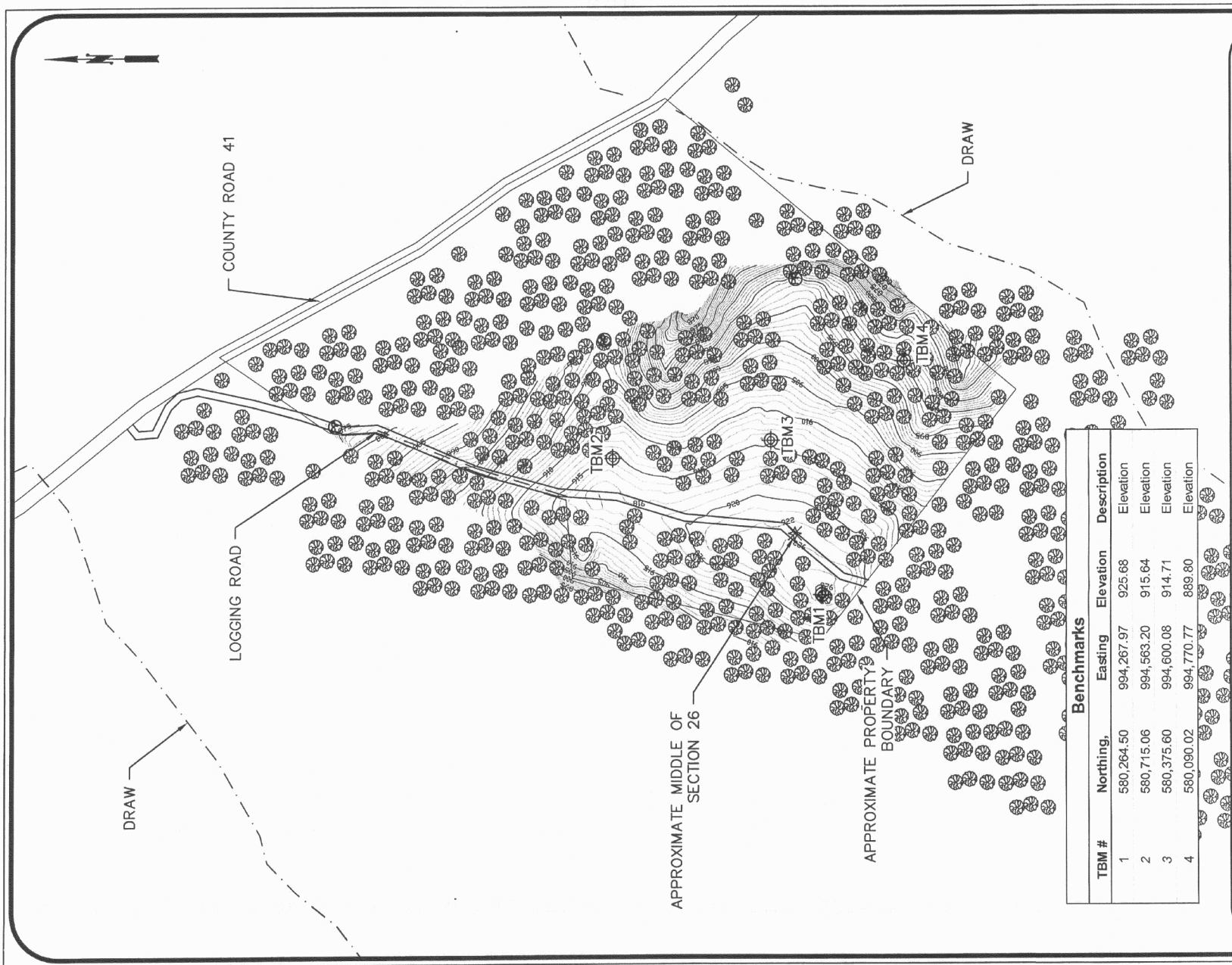
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 GESTATION-FARROWING FARM

SECTION 26, T 15 N, R 20 W
 NEWTON COUNTY, AR

USGS MAP

DATE: MAY 22, 2012	SHEET: 1
SCALE: 1" = 1000'	
DRAWN BY: CAS	
CHECKED BY: DLD	

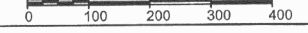


GENERAL NOTES

LEGEND

- ◆ BENCHMARK
- ▭ BUILDINGS
- x - FENCELINE
- - - CULVERT/PIPE
- ← DRAINAGE ARROW

SCALE, FEET



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 GESTATION-FARROWING FARM

SECTION 26, T 16 N, R 20 W
 NEWTON COUNTY, AR

EXISTING SITE PLAN

Benchmarks			
TBM #	Northing	Eastng	Description
1	580,264.50	994,267.97	Elevation 925.68
2	580,715.06	994,563.20	Elevation 915.64
3	580,375.60	994,600.08	Elevation 914.71
4	580,090.02	994,770.77	Elevation 889.80

DATE: APR 30, 2012

SCALE: 1" = 200'

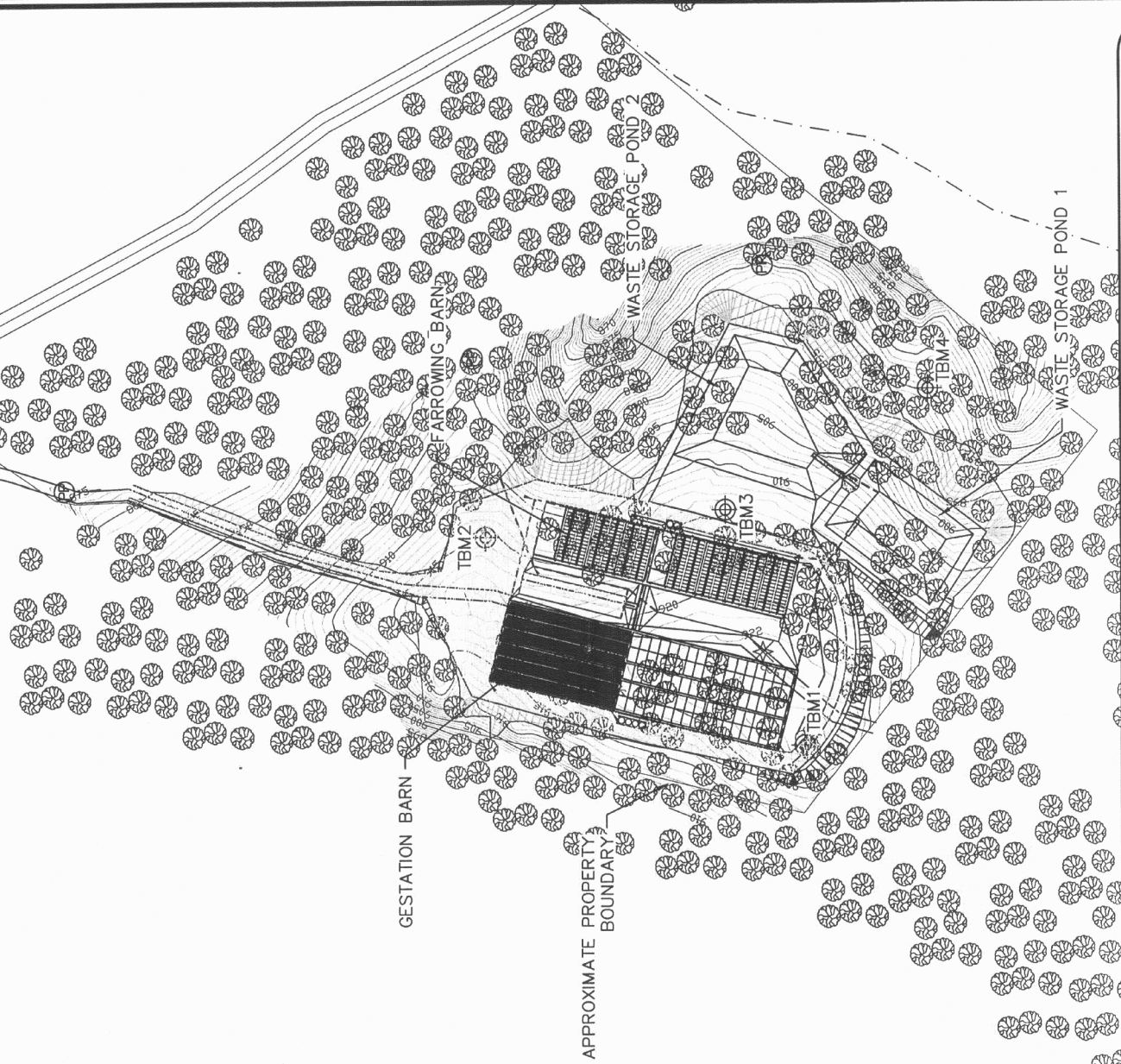
DRAWN BY: NAP

CHECKED BY: DLD

SHEET: 2



Benchmarks				
TBM #	Northing	Easting	Elevation	Description
1	580,264.50	994,267.97	925.68	Elevation
2	580,715.06	994,563.20	915.64	Elevation
3	580,375.60	994,600.08	914.71	Elevation
4	580,090.02	994,770.77	889.80	Elevation

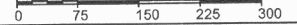


GENERAL NOTES

LEGEND

- ⊕ BENCHMARK
- ▭ BUILDINGS
- - - FENCELINE
- - - CULVERT/PIPE
- ← DRAINAGE ARROW

SCALE, FEET



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 GESTATION-FARROWING FARM

SECTION 26, T 15 N, R 20 W
 NEWTON COUNTY, AR

PROPOSED SITE PLAN

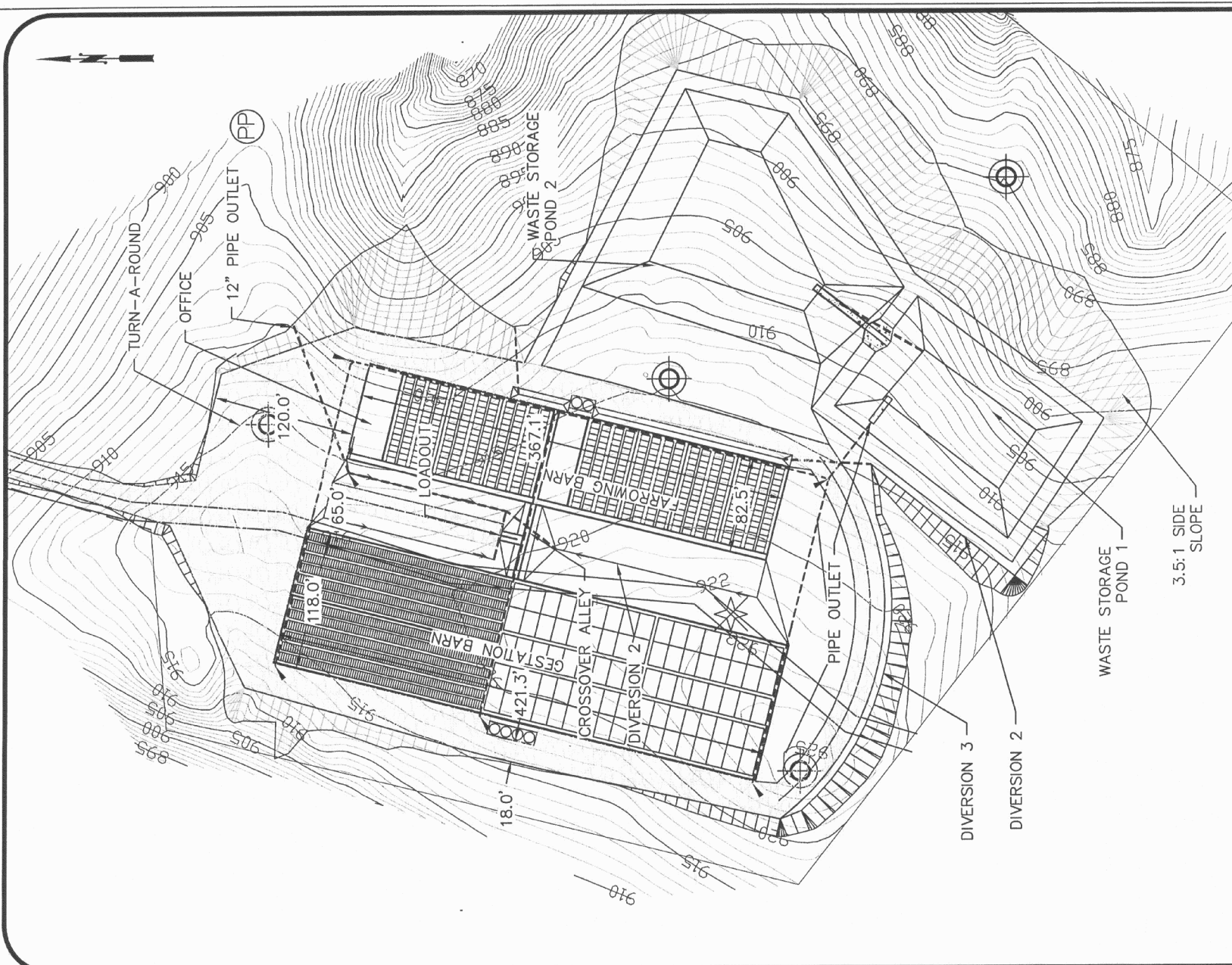
DATE:
APR 30, 2012

SCALE:
1" = 150'

DRAWN BY:
NAP

CHECKED BY:
DLD

SHEET:
3

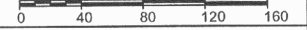


GENERAL NOTES

LEGEND

- ⊕ BENCHMARK
- ▭ BUILDINGS
- x- FENCELINE
- - - CULVERT/PIPE
- ← DRAINAGE ARROW

SCALE, FEET



No.	Revision/Issue	Date

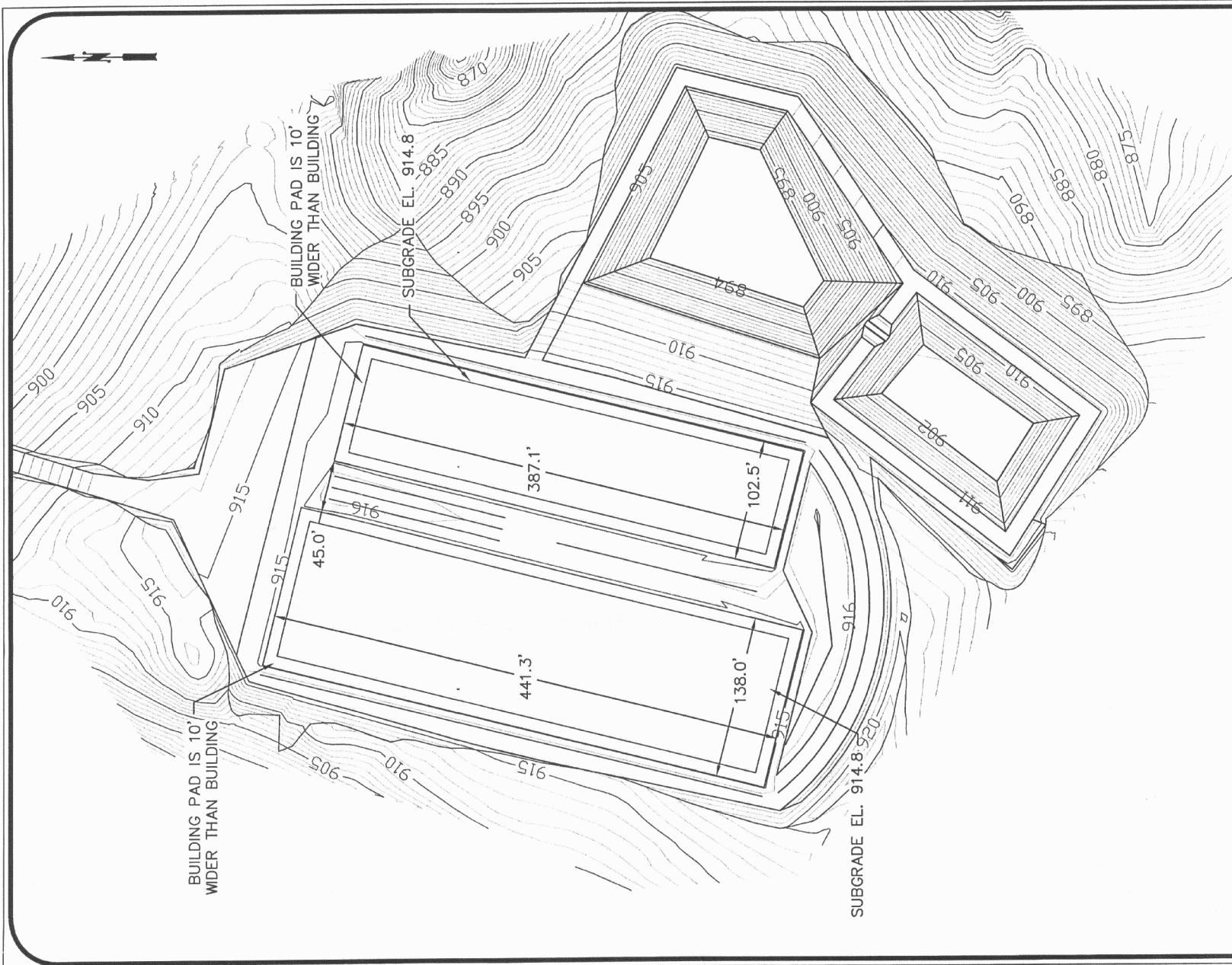
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 GESTATION-FARROWING FARM

SECTION 26, T 15 N, R 20 W
 NEWTON COUNTY, AR

**DETAILED
 PROPOSED SITE PLAN**

DATE: APR 30, 2012	4
SCALE: 1" = 80'	
DRAWN BY: NAP	
CHECKED BY: DLD	

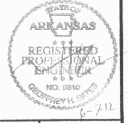
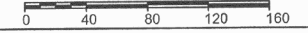


GENERAL NOTES

LEGEND

- ◆ BENCHMARK
- ▭ BUILDINGS
- - - FENCELINE
- - - CULVERT/PIPE
- ← DRAINAGE ARROW

SCALE, FEET



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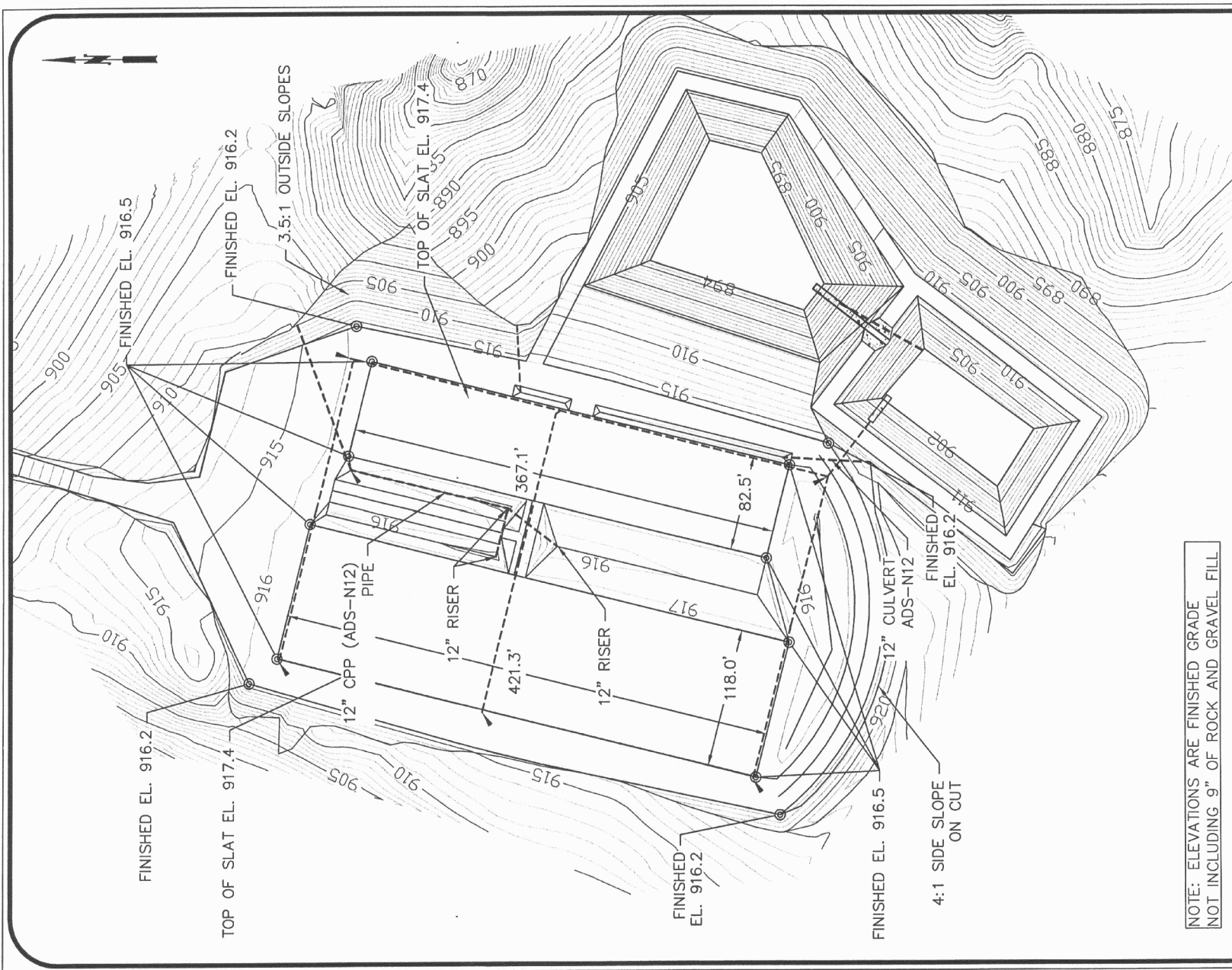
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 GESTATION-FARROWING FARM

SECTION 26, T 15 N, R 20 W
 NEWTON COUNTY, AR

PROPOSED SITE PLAN
SUBGRADE DESIGN

DATE: APR 30, 2012
 SCALE: 1" = 80'
 DRAWN BY: NAP
 CHECKED BY: DLD

SHEET:
5



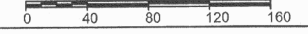
NOTE: ELEVATIONS ARE FINISHED GRADE NOT INCLUDING 9" OF ROCK AND GRAVEL FILL

GENERAL NOTES

LEGEND

- ⊕ BENCHMARK
- ▭ BUILDINGS
- x - x - FENCELINE
- - - CULVERT/PIPE
- ← DRAINAGE ARROW

SCALE, FEET



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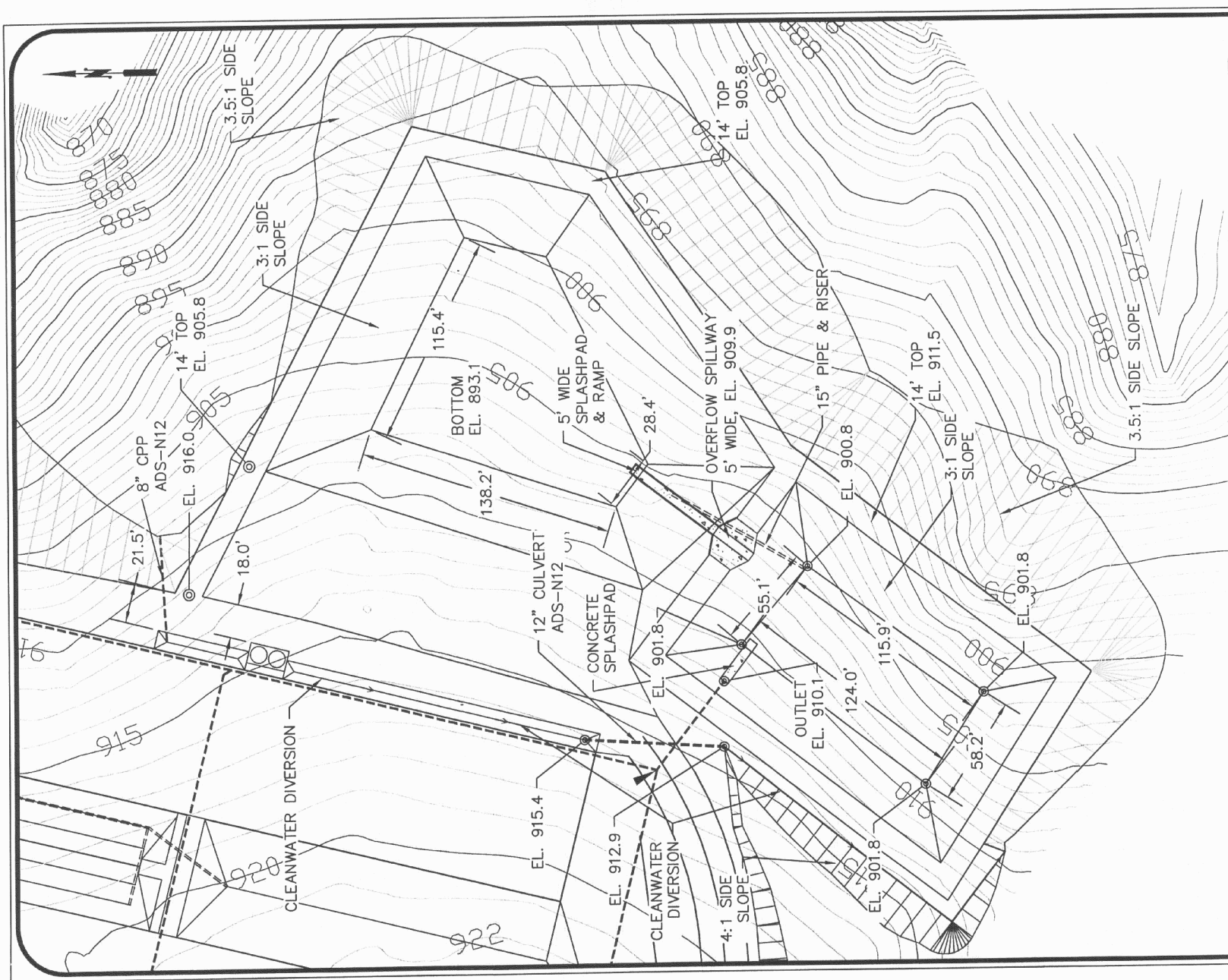
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 GESTATION-FARROWING FARM

SECTION 26, T 16 N, R 20 W
 NEWTON COUNTY, AR

PROPOSED SITE PLAN
FINAL DESIGN

DATE: APR 30, 2012	6
SCALE: 1" = 80'	
DRAWN BY: NAP	
CHECKED BY: DLD	

SHEET:



GENERAL NOTES

LEGEND

- ⊕ BENCHMARK
- ▭ BUILDINGS
- - - FENCELINE
- - - - - CULVERT/PIPE
- ← DRAINAGE ARROW

SCALE, FEET



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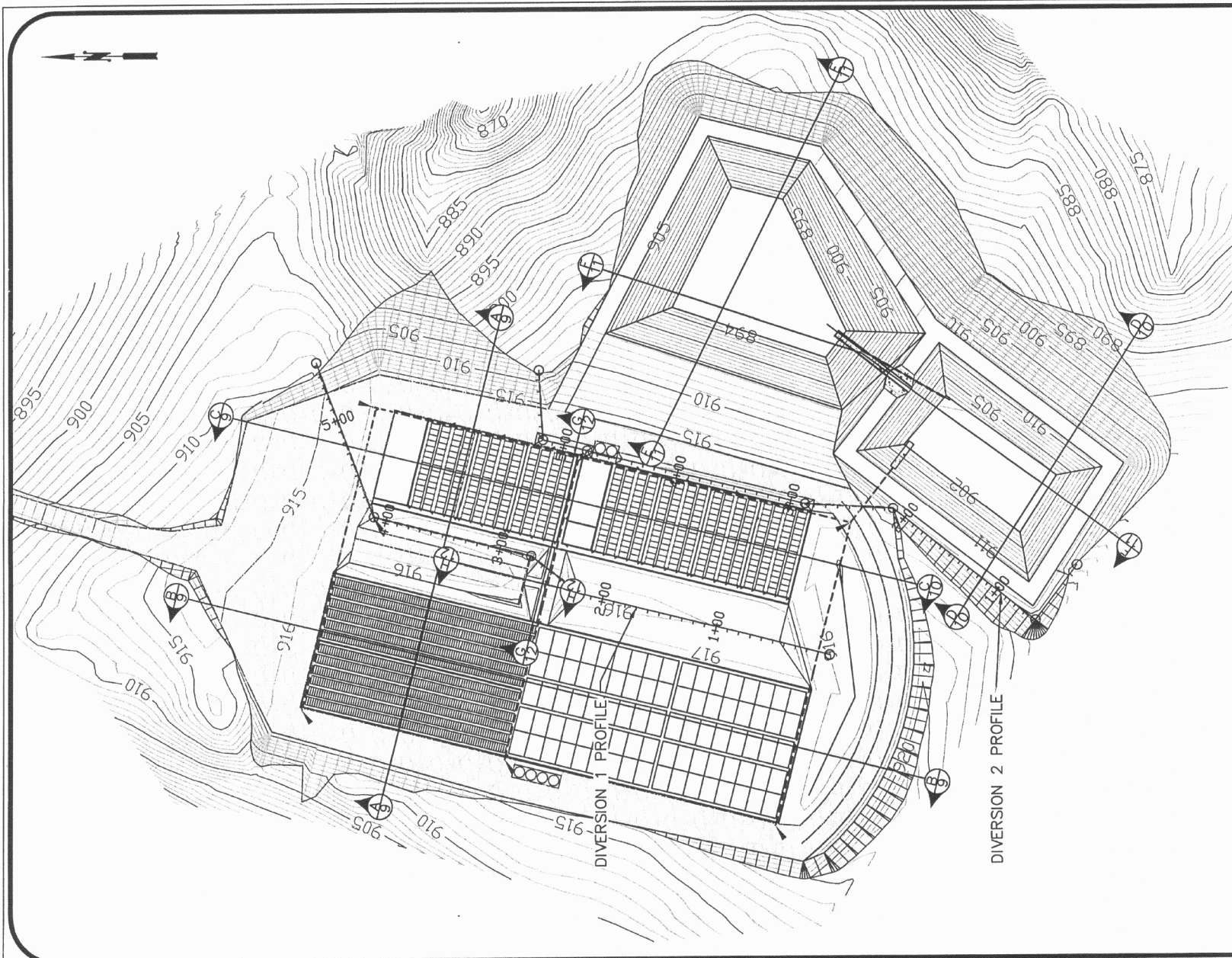
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 GESTATION-FARROWING FARM

SECTION 26, T 15 N, R 20 W
 NEWTON COUNTY, AR

WASTE STORAGE POND
FINAL DESIGN

DATE: APR 30, 2012
 SCALE: 1" = 50'
 DRAWN BY: NAP
 CHECKED BY: DLD

SHEET:
 7

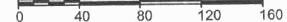


GENERAL NOTES

LEGEND

- ⊕ BENCHMARK
- ▭ BUILDINGS
- - - FENCELINE
- - - CULVERT/PIPE
- ← DRAINAGE ARROW

SCALE, FEET



No.	Revision/Issue	Date

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 GESTATION-FARROWING FARM

SECTION 26, T 16 N, R 20 W
 NEWTON COUNTY, AR

PROPOSED SITE PLAN
 CROSS SECTIONS

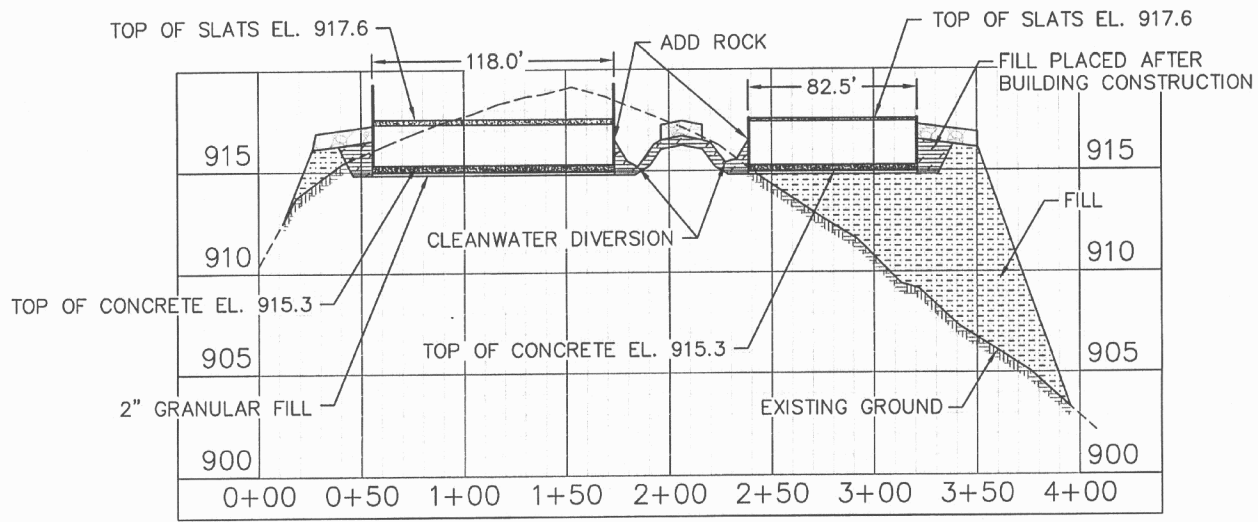
DATE:
APR 30, 2012

SCALE:
1" = 80'

DRAWN BY:
NAP

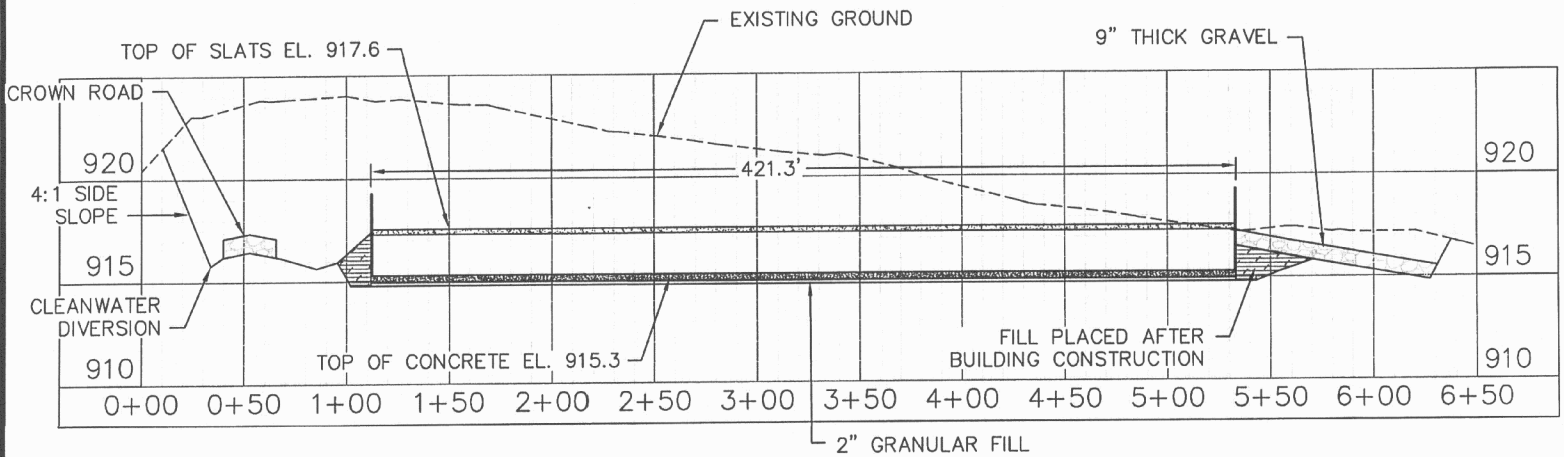
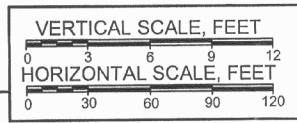
CHECKED BY:
DLD

SHEET:
8



SCALE:
 VERTICAL: 1"=6'
 HORIZONTAL: 1"=60'

A-A
 8 BARN CROSS SECTION



B-B
 8 BARN CROSS SECTION

GENERAL NOTES

- GRAVEL
- FILL
- CONCRETE
- STRIPPING
- EXISTING GROUND



No.	Revision/Issue	Date

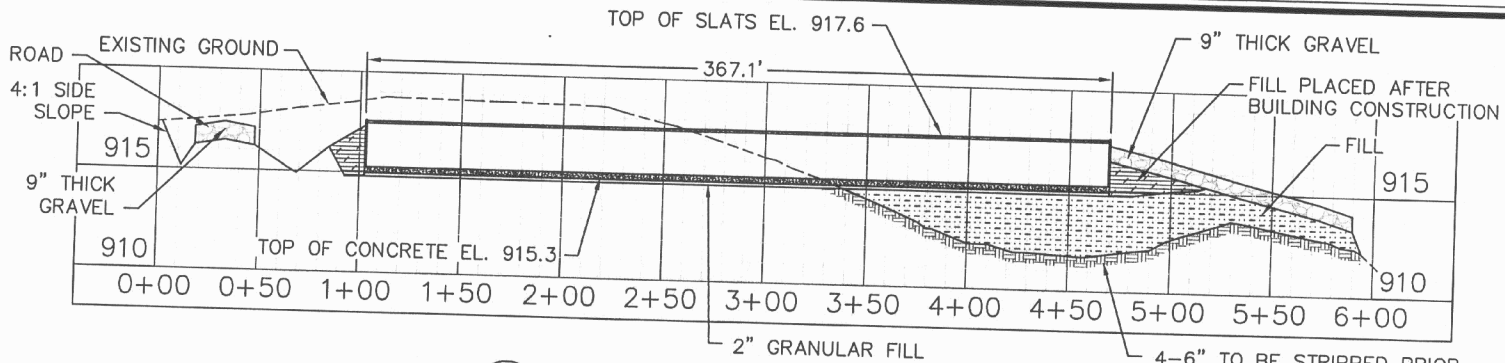
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 GESTATION-FARROWING FARM

SECTION 26, T 15 N, R 20 W
 NEWTON COUNTY, AR

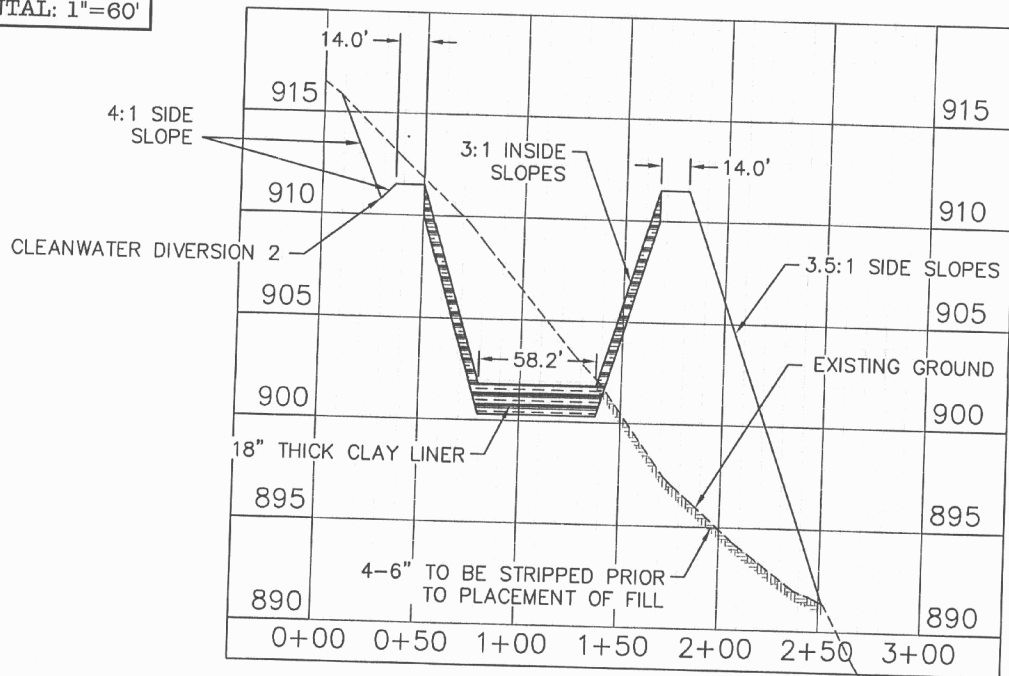
BARN CROSS SECTIONS

DATE: APR 30, 2012	9
SCALE: AS SHOWN	
DRAWN BY: NAP	
CHECKED BY: DLD	

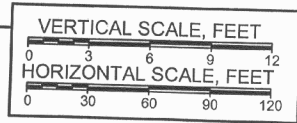


C-C
8 **BARN CROSS SECTION**

SCALE:
VERTICAL: 1"=6'
HORIZONTAL: 1"=60'



D-D
8 **WASTE STORAGE POND 1 CROSS SECTION**



GENERAL NOTES

- GRAVEL
- FILL
- CONCRETE
- STRIPPING
- EXISTING GROUND

No.	Revision/Issue	Date



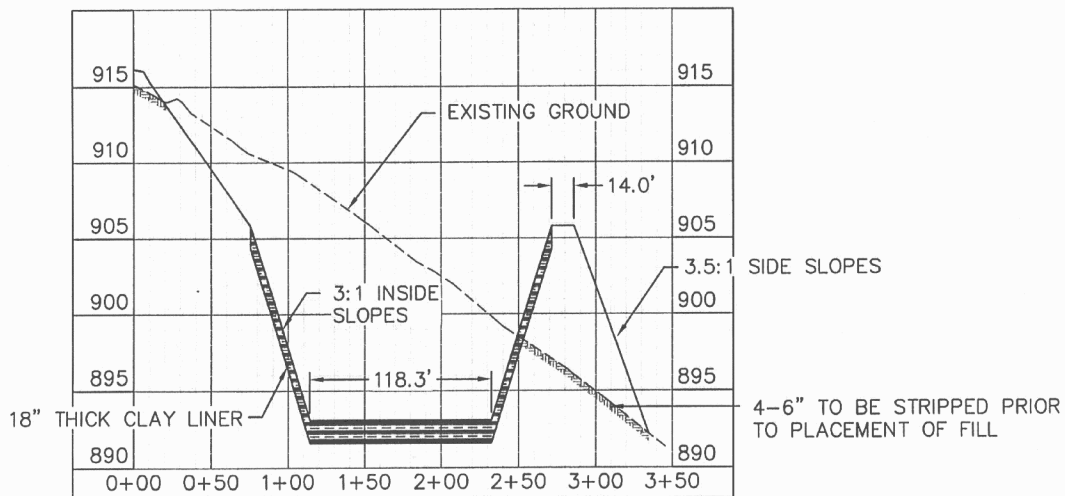
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C & H HOG FARMS
GESTATION-FARROWING FARM

SECTION 26, T 16 N, R 20 W
NEWTON COUNTY, AR

WASTE STORAGE POND & BARN CROSS SECTIONS

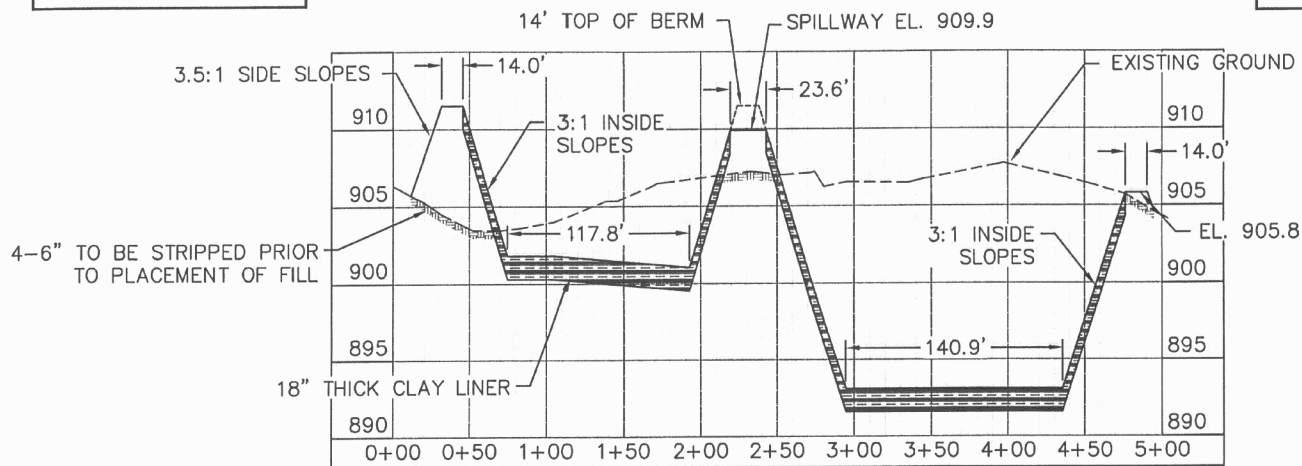
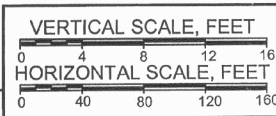
DATE: APR 30, 2012	SHEET: 10
SCALE: AS SHOWN	
DRAWN BY: NAP	
CHECKED BY: DLD	



SCALE:
 VERTICAL: 1"=8'
 HORIZONTAL: 1"=80'

E-E
 8

WASTE STORAGE POND 2 CROSS SECTION



F-F
 8

WASTE STORAGE POND 1 & 2 CROSS SECTION

GENERAL NOTES

- GRAVEL
- FILL
- CONCRETE
- STRIPPING
- EXISTING GROUND

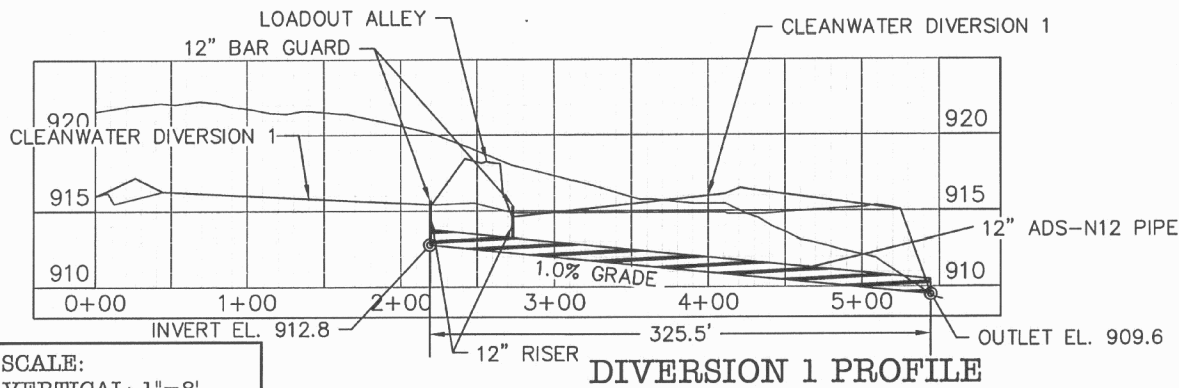


No.	Revision/Issue	Date

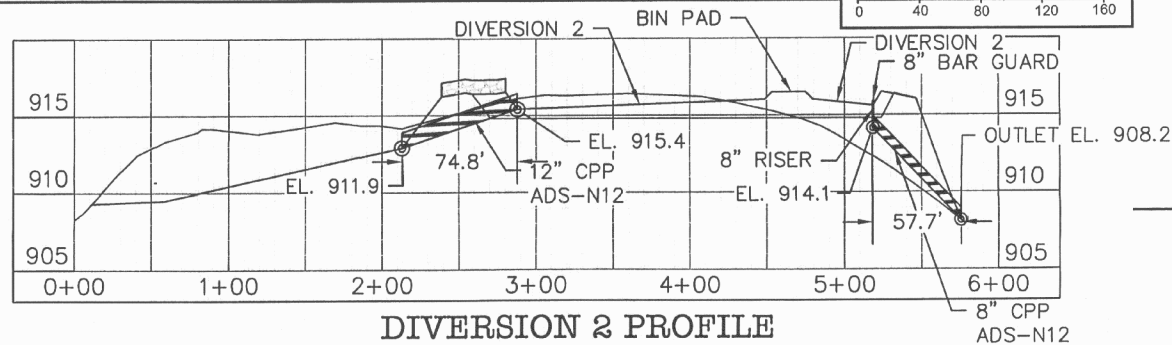
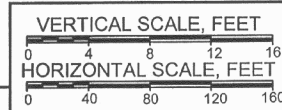
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 GESTATION-FARROWING FARM
 SECTION 26, T 15 N, R 20 W
 NEWTON COUNTY, AR
 WASTE STORAGE
 POND CROSS SECTIONS

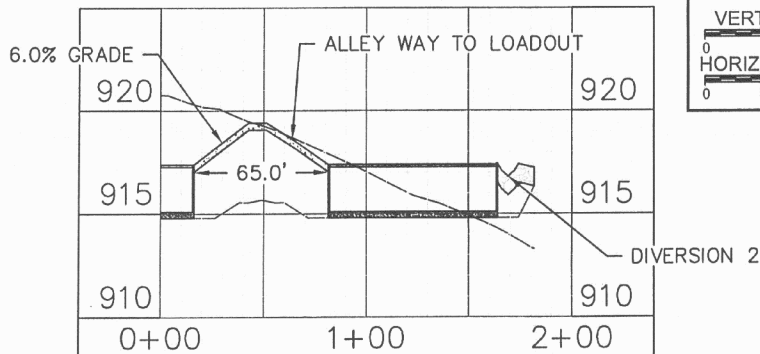
DATE: APR 30, 2012	SHEET: 11
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DRAWN BY: NAP	
CHECKED BY: DLD	



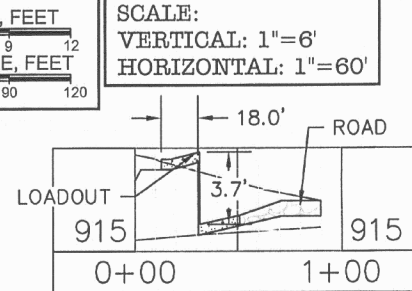
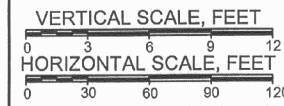
SCALE:
 VERTICAL: 1"=8'
 HORIZONTAL: 1"=80'



DIVERSION 2 PROFILE



G-G
 8 LOADOUT HALLWAY CROSS SECTION



H-H
 8 LOADOUT CROSS SECTION

SCALE:
 VERTICAL: 1"=6'
 HORIZONTAL: 1"=60'

GENERAL NOTES

- GRAVEL
- FILL
- CONCRETE
- STRIPPING
- EXISTING GROUND



No.	Revision/Issue	Date

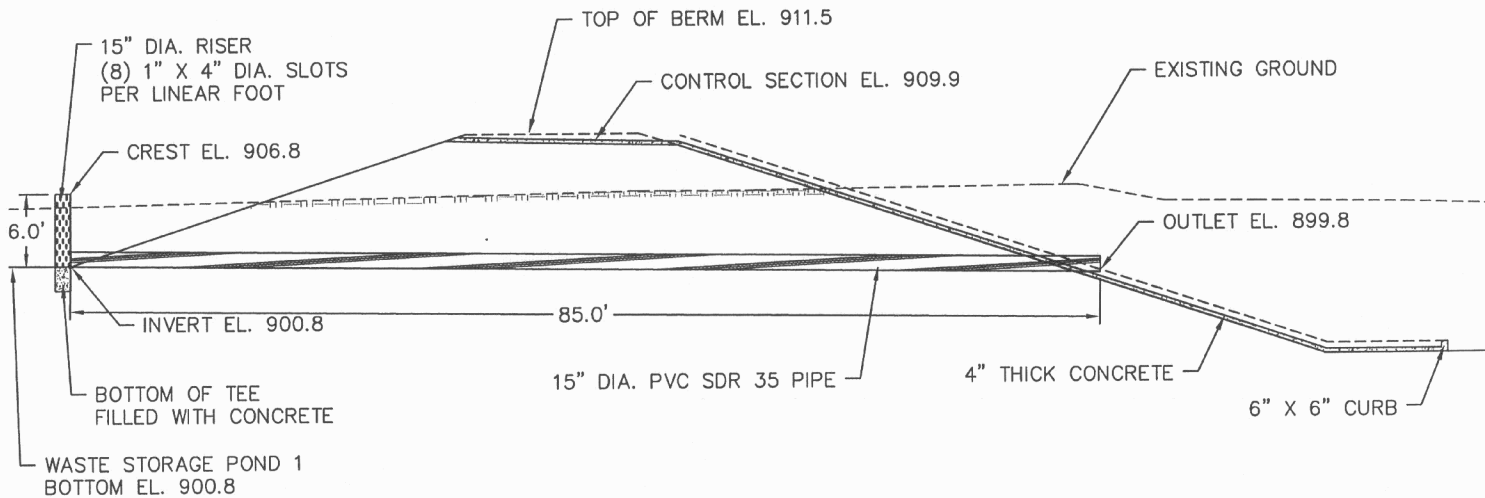
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 GESTATION-FARROWING FARM

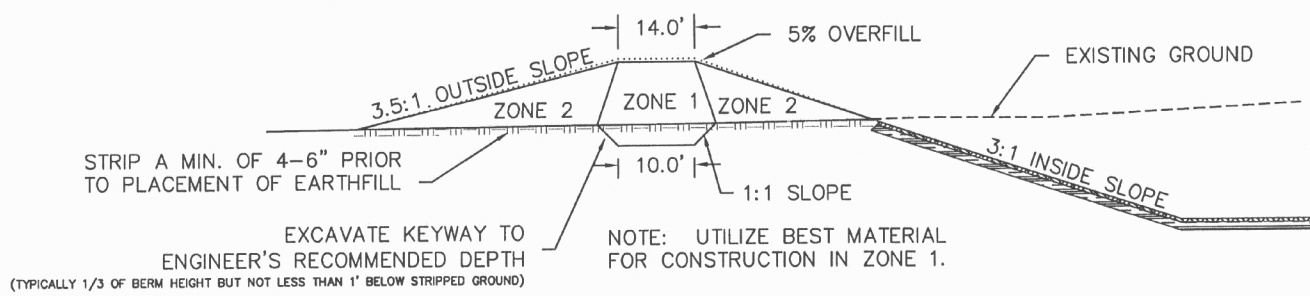
SECTION 26, T 15 N, R 20 W
 NEWTON COUNTY, AR

DIVERSION & LOADOUT
 CROSS SECTIONS & PROFILES

DATE: APR 30, 2012	SHEET: 12
SCALE: AS SHOWN	
DRAWN BY: NAP	
CHECKED BY: DLD	



PIPE INLET DETAILS
SCALE: 1" = 10'



TYPICAL HOLDING POND MAXIMUM BERM DETAIL
NOT TO SCALE

GENERAL NOTES

- GRAVEL
- FILL
- CONCRETE
- STRIPPING
- EXISTING GROUND



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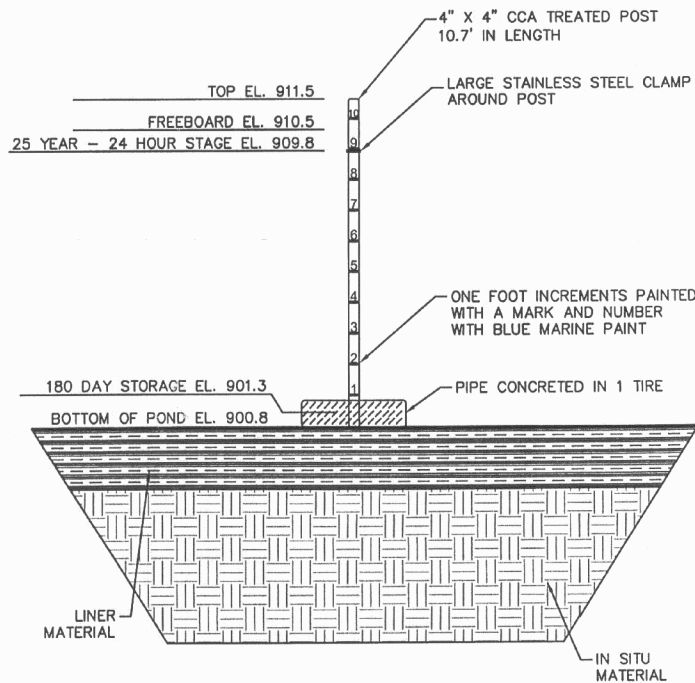
SECTION 26, T 18 N, R 20 W
NEWTON COUNTY, AR

POND INLET & MAXIMUM BERM DETAILS

DATE: APR 30, 2012
SCALE: AS SHOWN
DRAWN BY: NAP
CHECKED BY: DLD



SHEET:
13

Waste Storage Pond 1 Stage Storage Table						
Elevation (ft)	Stage (ft)	Area (ft ²)	Volume (ft ³)	Cum. Volume (ft ³)	Cum. Volume (acre-feet)	
911.5	10.7	20,850	33,002	131,134	3.0	Top
910.5	9.7	19,139	21,770	111,122	2.6	Freeboard
25 Year-24 Hour Stage/Overflow El.						
909.8	9.0	17,976	8,780	98,132	2.3	
909.3	8.5	17,144	8,376	89,352	2.1	
908.8	8.0	16,360	7,980	80,976	1.9	
908.3	7.5	15,560	7,593	72,996	1.7	
907.8	7.0	14,812	7,217	65,403	1.5	
907.3	6.5	14,056	6,847	58,186	1.3	
906.8	6.0	13,332	6,488	51,339	1.2	
906.3	5.5	12,620	6,138	44,851	1.0	
905.8	5.0	11,932	5,796	38,713	0.9	
905.3	4.5	11,252	5,463	32,917	0.8	
904.8	4.0	10,600	5,140	27,454	0.6	
904.3	3.5	9,960	4,826	22,314	0.5	
903.8	3.0	9,344	4,520	17,488	0.4	
903.3	2.5	8,736	4,224	12,968	0.3	
902.8	2.0	8,160	3,937	8,744	0.2	
902.3	1.5	7,588	3,658	4,807	0.1	
901.8	1.0	7,044	1,005	1,149	0.0	
901.3	0.5	576	144	144	0.0	Sludge El.
900.8	0.0	0	0	0	0.0	Bottom



WASTE STORAGE POND 1

GENERAL NOTES

-  INSITU MATERIAL
-  CLAY LINER

SCALE, FEET



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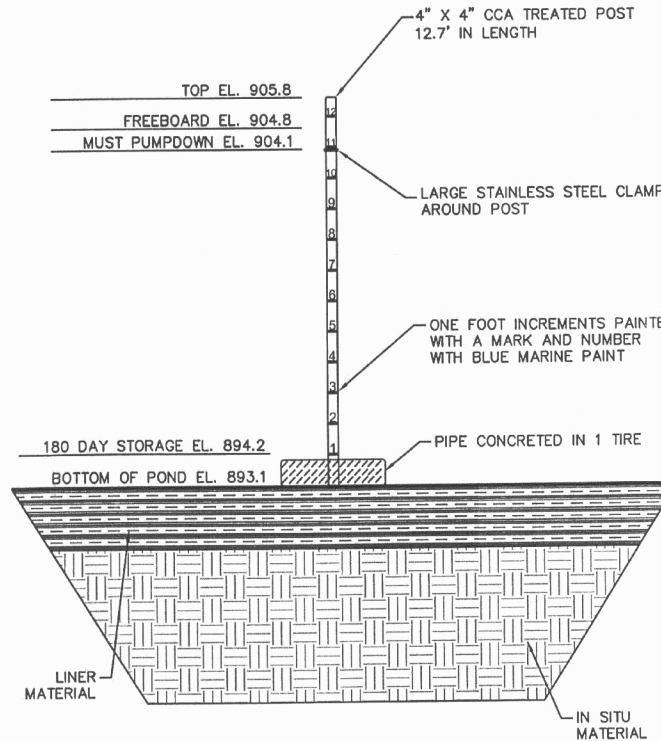
SECTION 26, T 18 N, R 20 W
 NEWTON COUNTY, AR

WASTE STORAGE POND 1
 STAGE STORAGE TABLE

DATE: MAY 30, 2012	SHEET: 14
SCALE: 1" = 4'	
DRAWN BY: CAS	
CHECKED BY: DLD	

Waste Storage Pond 2 Stage Storage Table

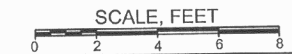
Elevation (ft)	Stage (ft)	Area (ft ²)	Volume (ft ³)	Cum. Volume (ft ³)	Cum. Volume (acre-feet)	
905.8	12.7	35,259	56,719	288,788	6.6	Top
904.8	11.7	32,994	34,994	254,643	5.8	Freeboard
904.1	11.0	31,469	12,420	232,069	5.3	25 Year-24 Hour Stage/Must Pumpdown
903.7	10.6	30,631	15,045	219,649	5.0	
903.2	10.1	29,549	14,521	204,604	4.7	
902.7	9.6	28,535	14,005	190,083	4.4	
902.2	9.1	27,485	13,499	176,078	4.0	
901.7	8.6	26,511	13,003	162,579	3.7	
901.2	8.1	25,501	12,516	149,576	3.4	
900.7	7.6	24,563	12,039	137,060	3.1	
900.2	7.1	23,593	11,571	125,021	2.9	
899.7	6.6	22,691	11,114	113,450	2.6	
899.2	6.1	21,765	10,664	102,336	2.3	
898.7	5.6	20,891	10,226	91,672	2.1	
898.2	5.1	20,013	9,796	81,446	1.9	
897.7	4.6	19,171	9,376	71,650	1.6	
897.2	4.1	18,333	8,966	62,274	1.4	
896.7	3.6	17,531	8,566	53,308	1.2	
896.2	3.1	16,733	8,174	44,742	1.0	
895.7	2.6	15,963	7,792	36,568	0.8	
895.2	2.1	15,205	7,420	28,776	0.7	
894.7	1.6	14,475	4,278	21,356	0.5	
894.2	1.1	13,759	9,484	17,078	0.4	180 Day Stage
893.7	0.6	13,063	7,594	7,594	0.2	
893.1	0.0	12,252	0	0	0.0	Bottom



WASTE STORAGE POND 2

GENERAL NOTES

- INSITU MATERIAL
- CLAY LINER



No.	Revision/Issue	Date

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 GESTATION-FARROWING FARM

SECTION 26, T 16 N, R 20 W
 NEWTON COUNTY, AR

WASTE STORAGE POND 2
STAGE STORAGE TABLE

DATE:
MAY 30, 2012

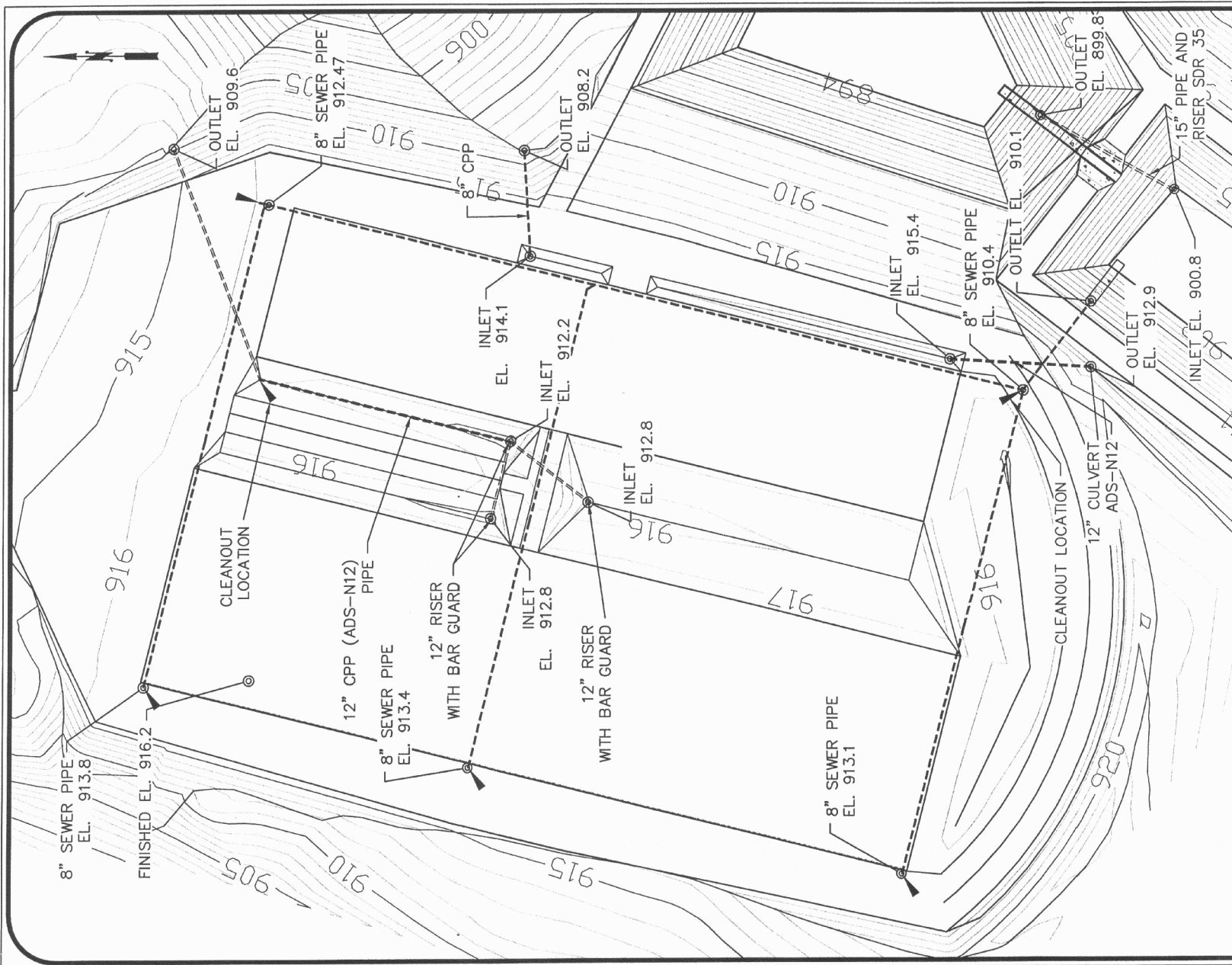
SCALE:
1" = 4'

DRAWN BY:
CAS

CHECKED BY:
OLD

SHEET:

15

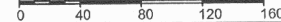


GENERAL NOTES

LEGEND

- ⊕ BENCHMARK
- ▭ BUILDINGS
- - - FENCELINE
- - - CULVERT/PIPE
- ▲ CLEANOUT

SCALE, FEET



No.	Revision/Issue	Date

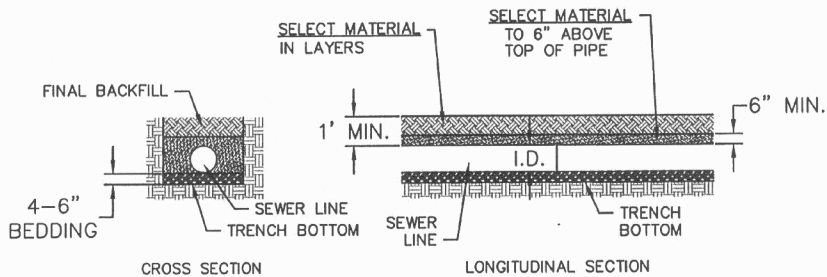
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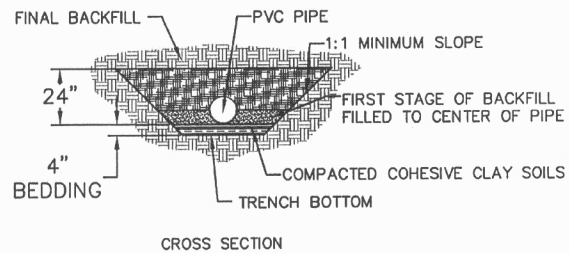
SECTION 26, T 16 N, R 20 W
 NEWTON COUNTY, AR

PIPE CLEANOUT
 LOCATIONS & DETAILS

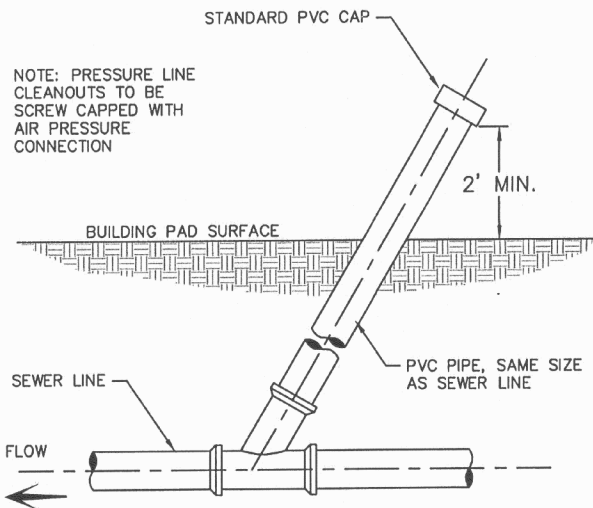
DATE: APR 30, 2012	SHEET: 16
SCALE: 1" = 80'	
DRAWN BY: NAP	
CHECKED BY: DLD	



**STANDARD BEDDING DETAILS
FOR ADS-N12 PIPE OR EQUIVALENT**
NOT TO SCALE



**STANDARD BEDDING DETAILS
FOR PVC PIPE OR EQUIVALENT
PLACED THROUGH BERM**
NOT TO SCALE



TYPICAL CLEANOUT DETAIL
NOT TO SCALE

ADS DUAL WALL TRENCHING & PIPELINE CONSTRUCTION NOTES

1. Select backfill shall consist of granular soil which meets the USCS soil type GM, GC, SM, or SC. Material shall have a maximum particle size of $\frac{1}{2}$ inch diameter and shall be compacted in 6 inch layers (ma.) to a density not less than 85% of the Standard Proctor Density.
2. Unclassified backfill shall consist of excavated material, provided it is free from lumps of clay, stone, boulders and other debris. Material shall be wetted and compacted with available rubber tired construction equipment until approved by the Engineer.
3. In location where the trench bottom contains rocks or is unsuitable for pipe to rest on, as determined by the engineer, the pipe shall be bedded as shown.
4. In locations where the proposed pipelines cross existing utilities, the utility crossing details shall be determined in the field by the Engineer. Prior to trench excavation, existing utilities shall be located and exposed by the Contractor.
5. Select backfill shall be placed under the haunches of all pipe using the shovel slicing method or other method, approved by the Engineer.
6. All trenching excavation shall be braced and/or shored in accordance with OSHA Trench Safety Regulations.

GENERAL NOTES

No.	Revision/Issue	Date



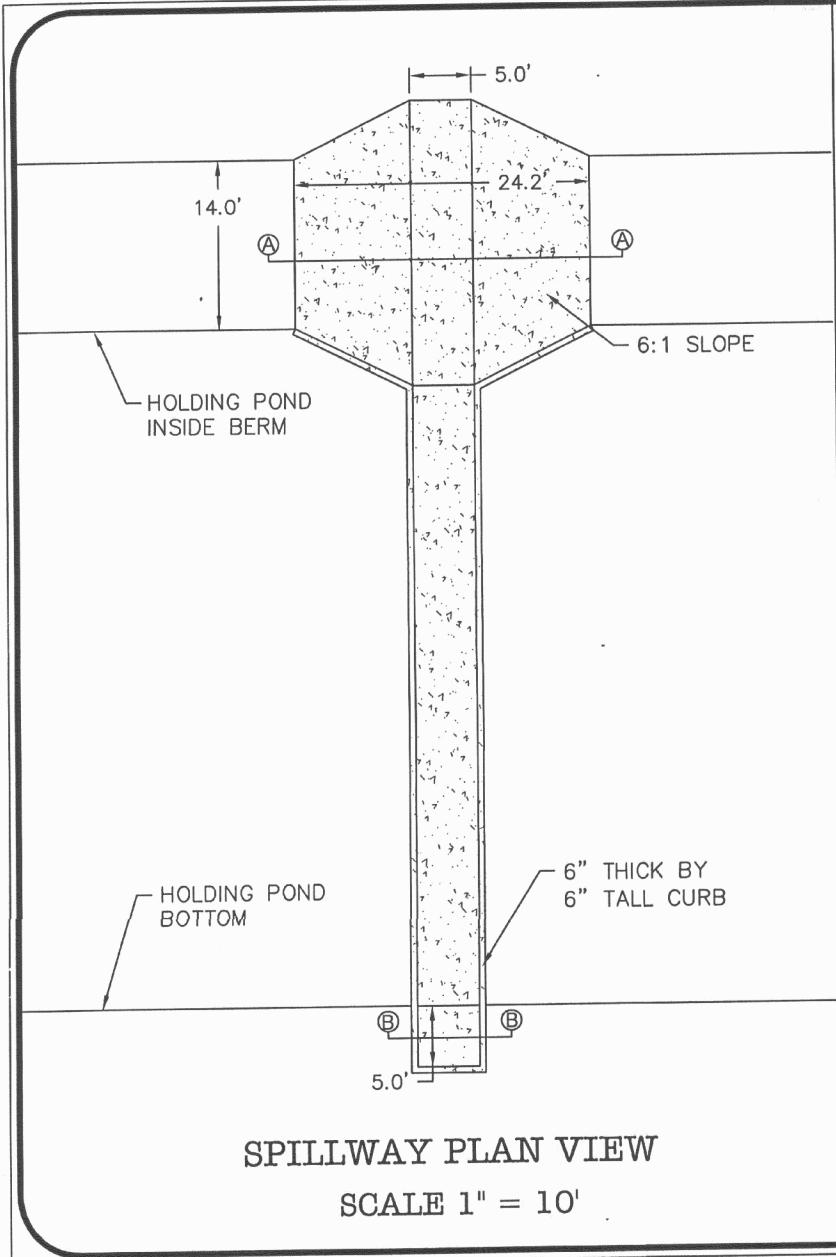
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GESTATION-FARROWING FARM

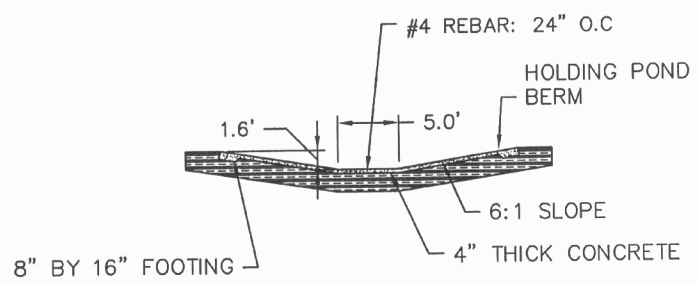
SECTION 26, T 16 N, R 20 W
NEWTON COUNTY, AR

**CLEANOUT & STANDARD
BEDDING DETAIL**

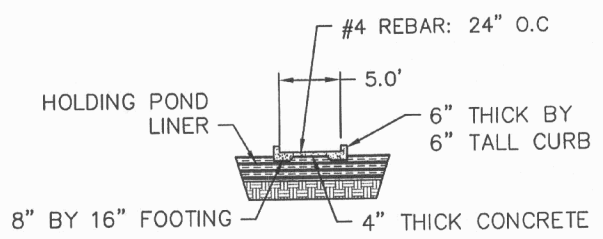
DATE: MAY 30, 2012	SHEET: 17
SCALE: NONE	
DRAWN BY: CAS	
CHECKED BY: DLD	



SPILLWAY PLAN VIEW
SCALE 1" = 10'



SECTION A-A
SCALE 1" = 10'



SECTION B-B
SCALE 1" = 10'

NOTE: SPLASH PAD FROM BARN WILL BE 5' WIDE WITH 6" X 6" CURB

GENERAL NOTES



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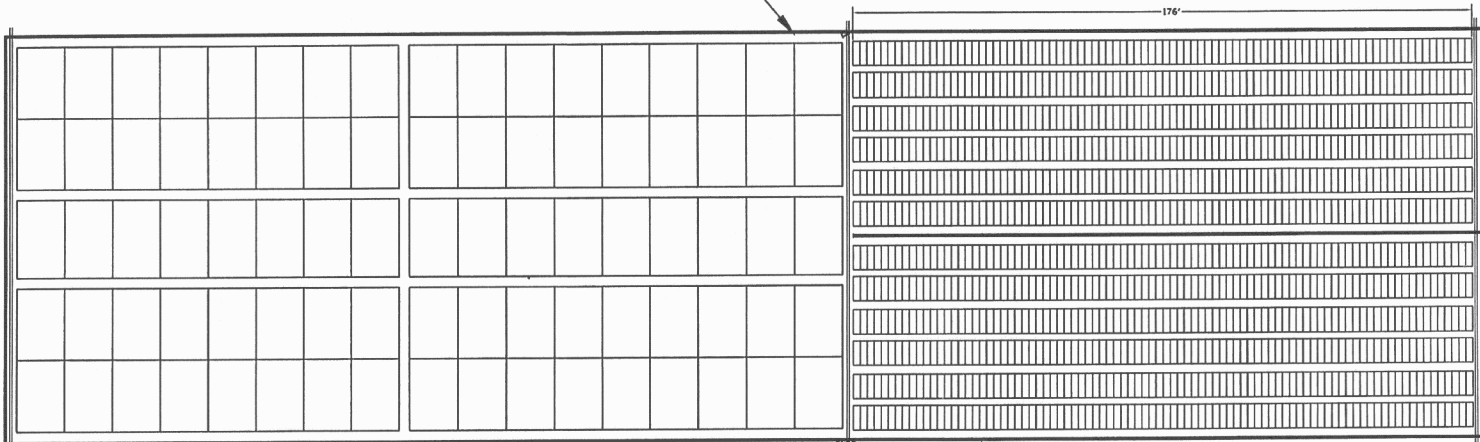
SECTION 26, T 15 N, R 20 W
 NEWTON COUNTY, AR

SPILLWAY/SPLASHPAD
 PLAN VIEW & DETAIL

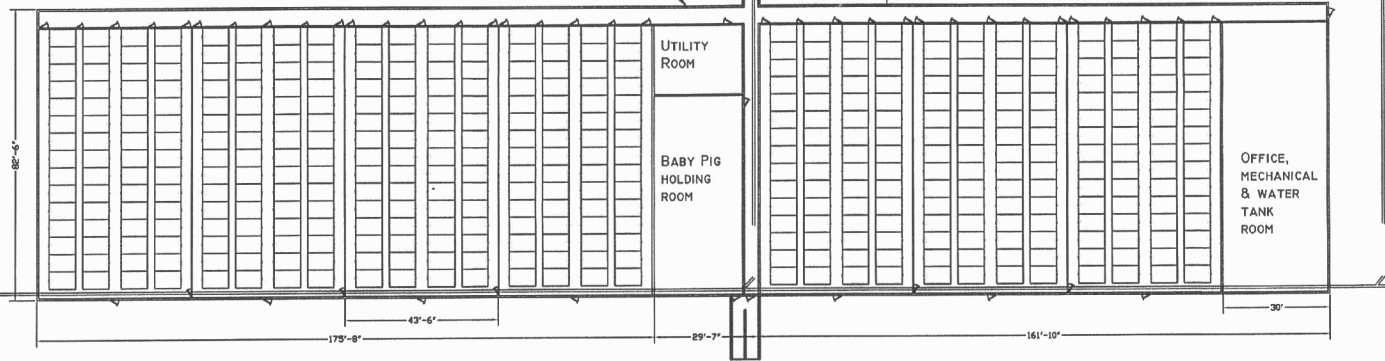
DATE: MAY 30, 2012
 SCALE: NONE
 DRAWN BY: CAS
 CHECKED BY: DLD

SHEET: 18

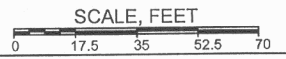
GESTATION BARN



FARROWING/NURSERY BARN



GENERAL NOTES



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C & H HOG FARMS
 GESTATION-FARROWING FARM
 SECTION 26, T 16 N, R 20 W
 NEWTON COUNTY, AR
 GESTATION - FARROWING
 BUILDING PLAN VIEW

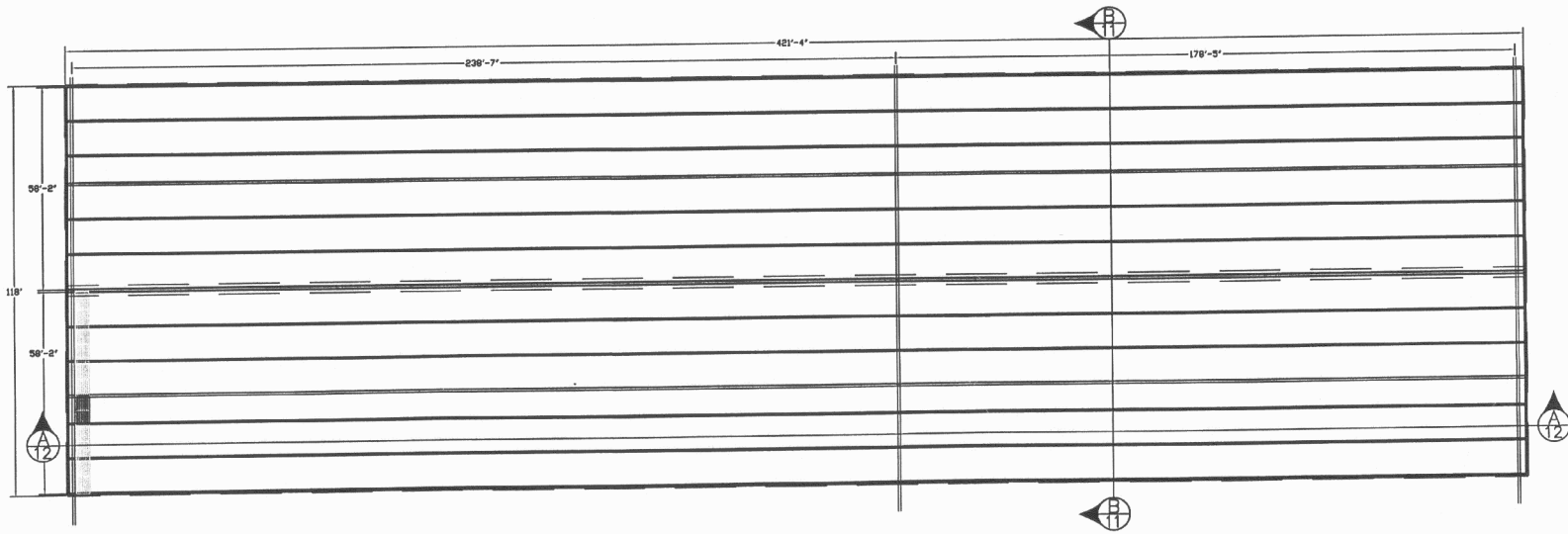
DATE:
MAY 23, 2012

SCALE:
1" = 35'

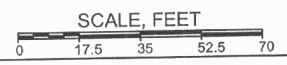
DRAWN BY:
CAS

CHECKED BY:
DLD

SHEET:
19



GENERAL NOTES



No.	Revision/Issue	Date

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C & H HOG FARMS
 GESTATION-FARROWING FARM
 SECTION 26, T 18 N, R 20 W
 NEWTON COUNTY, AR

GESTATION BUILDING PLAN VIEW

1. CONCRETE: *(UNLESS OTHERWISE NOTED)*
 - A. CONCRETE WALLS, FLOORS: 4000 PSI MINIMUM 28 DAY STRENGTH
 - B. CONCRETE FOOTINGS: 4000 PSI MINIMUM 28 DAY STRENGTH
 - C. ALL CONCRETE TO BE AIR ENTRAINED
 - D. 3"-4" CONCRETE SLUMP ON HORIZONTAL POURS PRIOR TO ADDITIVES
 - E. 5" MAXIMUM CONCRETE SLUMP ON VERTICAL POURS PRIOR TO ADDITIVES
 - F. PIT WALL CONCRETE DESIGN BASED OFF OF A 3'-6" BACKFILL DEPTH AGAINST THE 4'-0" PIT WALL
 - G. REFER TO ENGINEER SPECIFICATIONS FOR ADDITIONAL CONCRETE CONSTRUCTION REQUIREMENTS

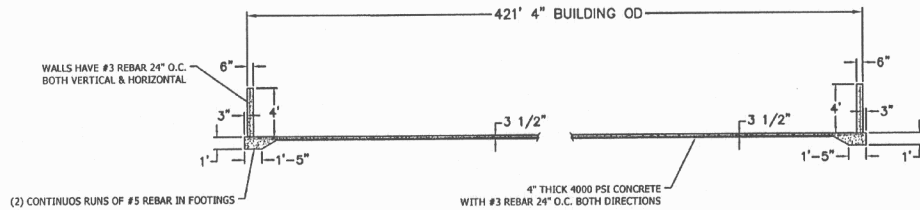
2. REINFORCING STEEL: *(UNLESS OTHERWISE NOTED)*
 - A. ALL REBAR GRADE 60
 - B. LAP ALL REINFORCING BAR SPLICES A MIN. OF 40 DIAMETERS
 - C. PROVIDE BENT BARS AT ALL CORNERS AND WALL INTERSECTIONS TO MATCH THE HORIZONTAL REINFORCING STEEL. (SEE DETAILS)
 - D. EXTERIOR WALL FOOTING: TWO RUNS OF CONTINUOUS #5 HORIZONTAL REBAR
 - E. PIT FLOORS : #3 REBAR @ 24" O.C. BOTH WAYS
 - F. FOUNDATION WALLS: #3 VERTICAL REBAR @ 24" O.C. #3 HORIZONTAL REBAR @ 24" O.C.
 - G. PIT WALLS: 2 - #3 HORIZONTAL REBAR @ 24" O.C.

3. COLD JOINTS *(UNLESS OTHERWISE NOTED)*
 - A. WALLS (SEE DETAIL)
 - B. PIT SLAB (SEE DETAIL)

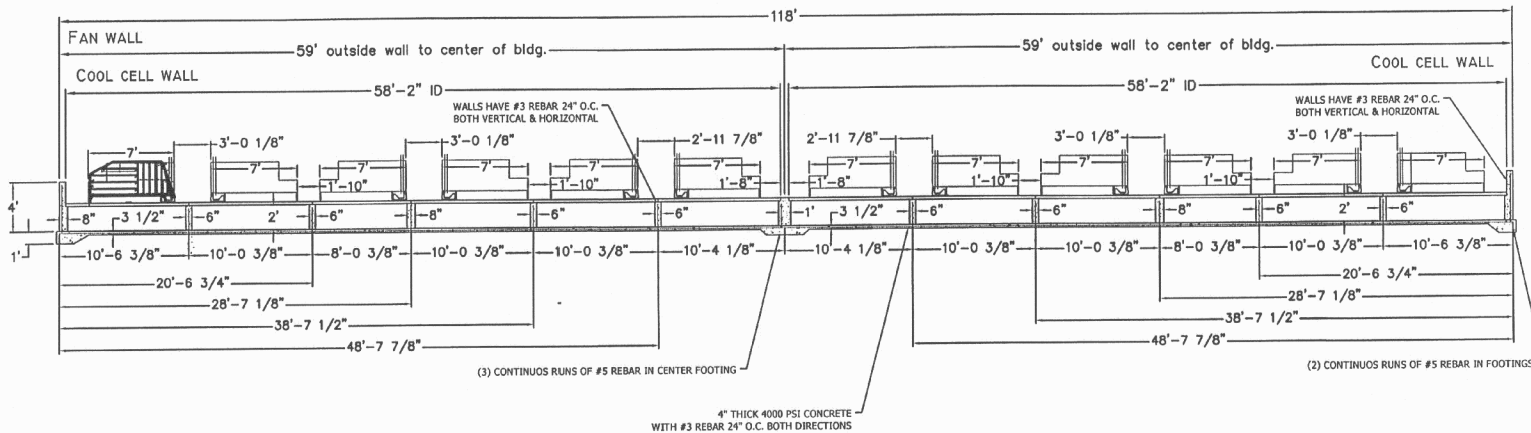
4. CONTROL JOINTS *(UNLESS OTHERWISE NOTED)*
 - A. WALLS (SEE DETAIL)
 - B. PIT SLAB (SEE DETAIL)

5. MISC. *(UNLESS OTHERWISE NOTED)*
 - A. WATERSTOP TO BE USED ON ALL EXTERIOR PIT SLAB/PIT WALL JOINTS (SEE DETAILS)
 - B. FIELD VERIFY LOCATION OF FRESH WATER PIPE KNOCKOUT: R.O. 6" DIA.

DATE: MAY 23, 2012	SHEET: 20
SCALE: 1" = 35'	20
DRAWN BY: CAS	
CHECKED BY: DLD	



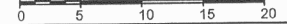
A-A
10 GESTATION BARN CROSS SECTION



B-B
10 GESTATION BARN CROSS SECTION

GENERAL NOTES

SCALE, FEET

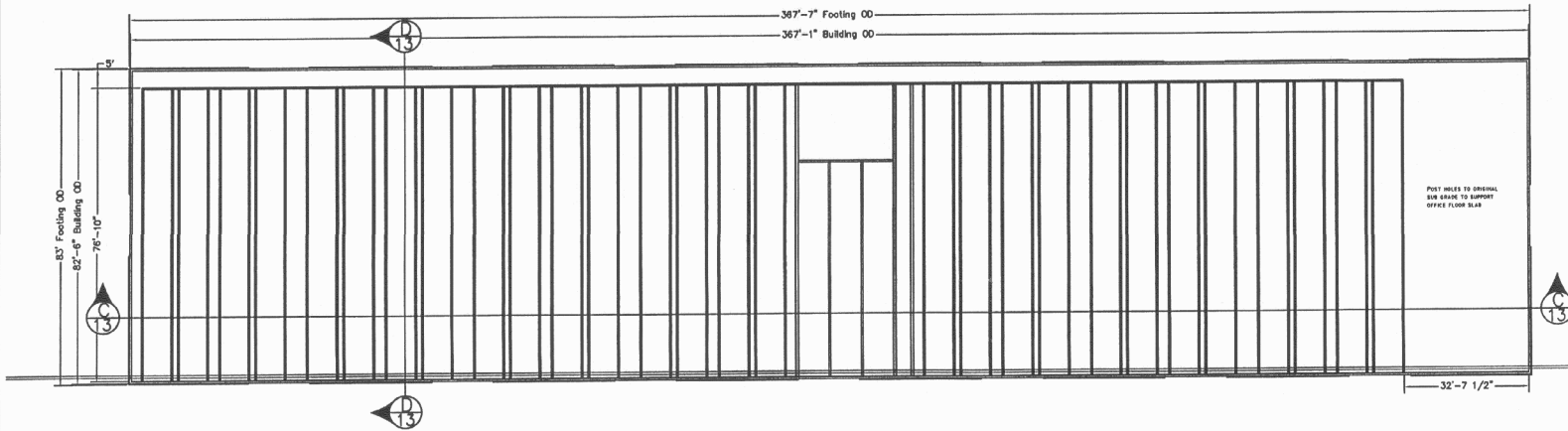


No.	Revision/Issue	Date

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C & H HOG FARMS
 GESTATION-FARROWING FARM
 SECTION 26, T 15 N, R 20 W
 NEWTON COUNTY, AR
 GESTATION BUILDING
 CROSS SECTIONS

DATE: MAY 23, 2012	SHEET: 21
SCALE: 1" = 30'	
DRAWN BY: CAS	
CHECKED BY: DLD	

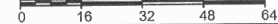


1. CONCRETE: *(UNLESS OTHERWISE NOTED)*
 - A. CONCRETE WALLS, FLOORS: 4000 PSI MINIMUM 28 DAY STRENGTH
 - B. CONCRETE FOOTINGS: 4000 PSI MINIMUM 28 DAY STRENGTH
 - C. ALL CONCRETE TO BE AIR ENTRAINED
 - D. 3"-4" CONCRETE SLUMP ON HORIZONTAL POURS PRIOR TO ADDITIVES
 - E. 5" MAXIMUM CONCRETE SLUMP ON VERTICAL POURS PRIOR TO ADDITIVES
 - F. PIT WALL CONCRETE DESIGN BASED OFF OF A 2'-0" BACKFILL DEPTH AGAINST THE 2'-6" PIT WALL
 - G. REFER TO ENGINEER SPECIFICATIONS FOR ADDITIONAL CONCRETE CONSTRUCTION REQUIREMENTS
2. REINFORCING STEEL: *(UNLESS OTHERWISE NOTED)*
 - A. ALL REBAR GRADE 60
 - B. LAP ALL REINFORCING BAR SPLICES A MIN. OF 40 DIAMETERS
 - C. PROVIDE BENT BARS AT ALL CORNERS AND WALL INTERSECTIONS TO MATCH THE HORIZONTAL REINFORCING STEEL. (SEE DETAILS)
 - D. EXTERIOR WALL FOOTING: TWO RUNS OF CONTINUOUS #4 HORIZONTAL REBAR
 - E. PIT FLOORS : 6" x 6" #10 W/M
 - F. FOUNDATION WALLS: #4 VERTICAL REBAR @ 12" O.C.
#4 HORIZONTAL REBAR @ 12" O.C.
 - G. PIT WALLS: #4 HORIZONTAL REBAR @ 12" O.C.
#4 VERTICAL REBAR @ 16" O.C.

3. COLD JOINTS *(UNLESS OTHERWISE NOTED)*
 - A. WALLS (SEE DETAIL)
 - B. PIT SLAB (SEE DETAIL)
4. CONTROL JOINTS *(UNLESS OTHERWISE NOTED)*
 - A. WALLS (SEE DETAIL)
 - B. PIT SLAB (SEE DETAIL)
5. MISC. *(UNLESS OTHERWISE NOTED)*
 - A. WATERSTOP TO BE USED ON ALL EXTERIOR PIT SLAB/PIT WALL JOINTS (SEE DETAILS)
 - B. FIELD VERIFY LOCATION OF FRESH WATER PIPE KNOCKOUT: R.O. 6" DIA.

GENERAL NOTES

SCALE, FEET



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C & H HOG FARMS
 GESTATION-FARROWING FARM

SECTION 26, T 16 N, R 20 W
 NEWTON COUNTY, AR.

FARROWING
 BUILDING PLAN VIEW

DATE:
MAY 23, 2012

SCALE:
1" = 32'

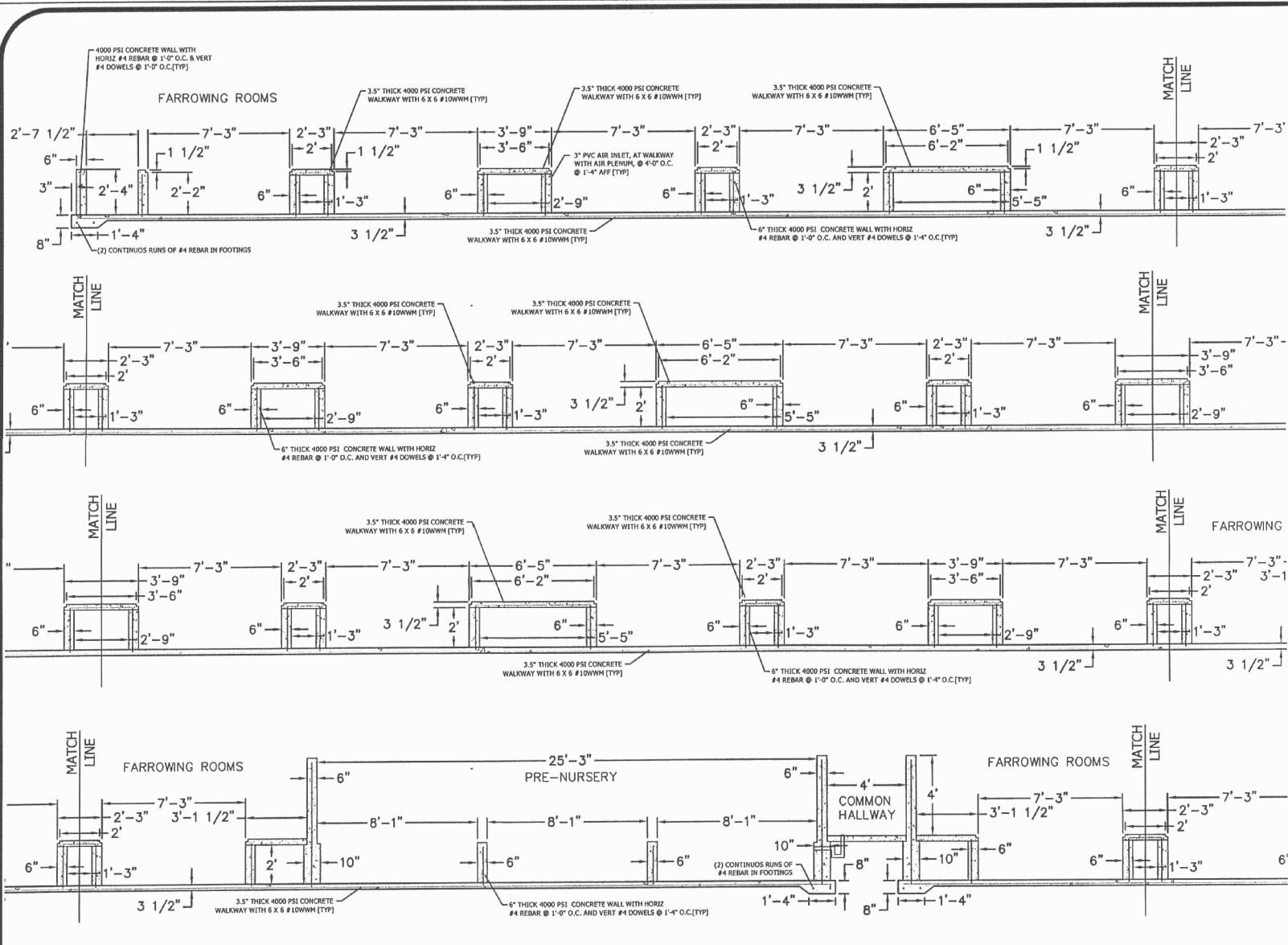
DRAWN BY:
CAS

CHECKED BY:
DLD

SHEET:

22

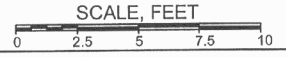
FARROWING



C-C
1/2

FARROWING/NURSERY CROSS SECTION

GENERAL NOTES



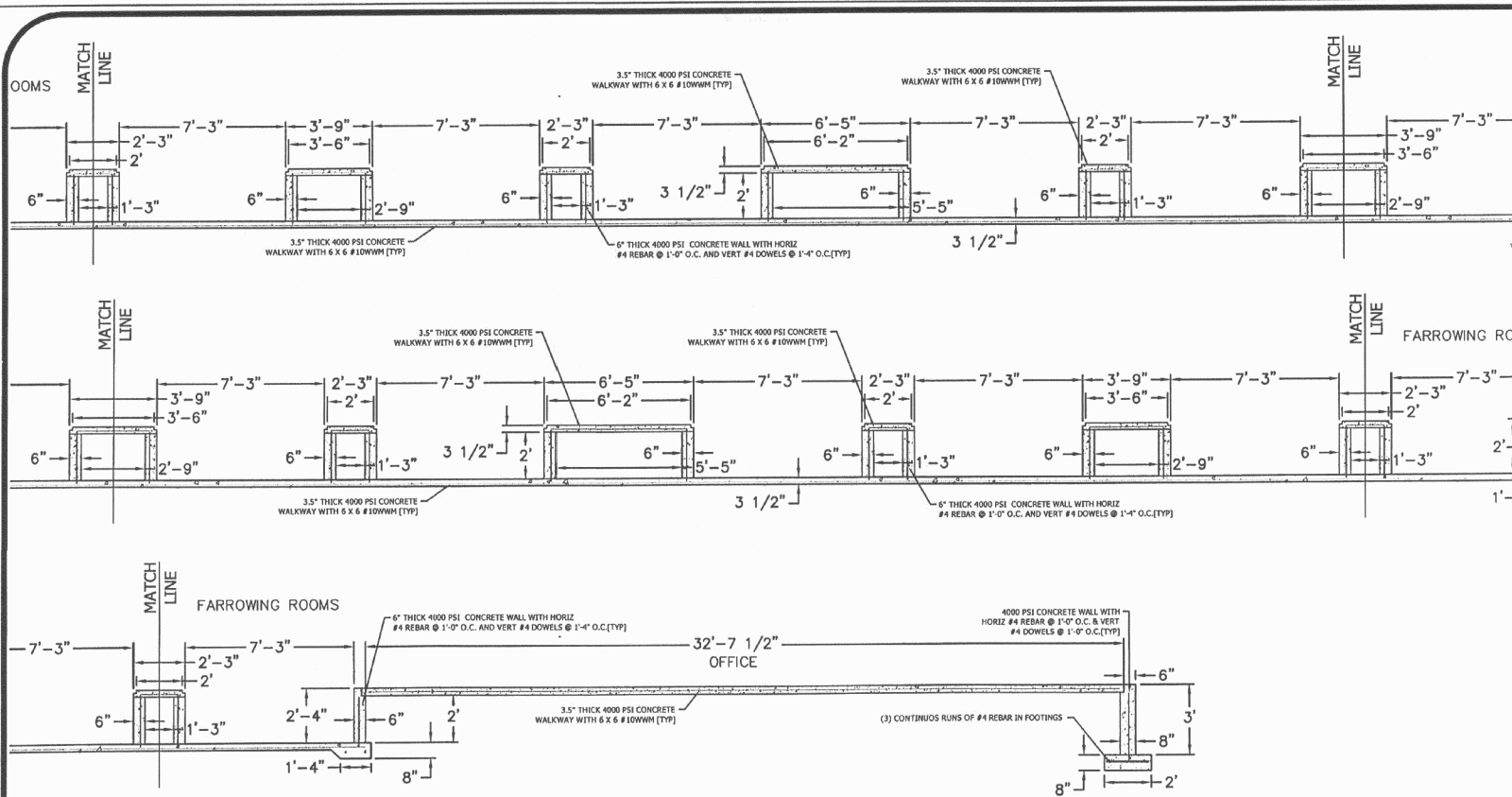
No.	Revision/Issue	Date

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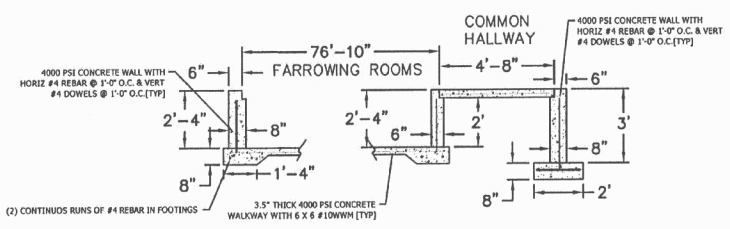
C & H HOG FARMS
 GESTATION-FARROWING FARM
 SECTION 26, T 16 N, R 20 W
 NEWTON COUNTY, AR
 FARROWING BUILDING
 CROSS SECTIONS 1

DATE: MAY 23, 2012	SHEET: 23
SCALE: 1" = 5'	
DRAWN BY: CAS	
CHECKED BY: DLD	

FILE NAME: 03 PROJECT FILES/SWINE/HENSON/CFILES/PLAN

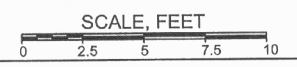


C-C
12 FARRIVING/NURSERY CROSS SECTION



D-D
12 FARRIVING/NURSERY CROSS SECTION

GENERAL NOTES



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C & H HOG FARMS
 GESTATION-FARRIVING FARM

SECTION 26, T 15 N, R 20 W
 NEWTON COUNTY, AR

FARRIVING BUILDING
 CROSS SECTIONS 2

DATE: MAY 23, 2012	24
SCALE: 1" = 5'	
DRAWN BY: CAS	
CHECKED BY: DLD	

Table of Quantities		
Item	Quantity	Unit
Stripping (Includes soil removal, replacement and compaction)		
Stripping Removal	2,460	YD ³
Replacement	1,890	YD ³
Excavation		
Subgrade Design	37,680	YD ³
Earthfill		
Subgrade Design	19,820	YD ³
Backfill: Final Design	2,470	YD ³
2" Granular Fill	620	YD ³
9" Thick Gravel	1,910	YD ³
Concrete		
Gestation Barn Flat work (Floor & Footings)	692	YD ³
Gestation Walls (Pit, Divider & Stem)	288	YD ³
Farrowing Barn Flat work (Floor and Footings)	377	YD ³
Farrowing Barn Walls	132	YD ³
Farrowing Barn Caps	84	YD ³
Overflow Spillway and Splashpad and Ramp	19	YD ³
Pipes (To include all appurtenances and fittings)		
15" PVC Pipe SDR 35	85	LFT
15" Riser PVC SDR 35	1	Lump Sum
12" Corrugated Plastic Pipe (ADS-N12)	440	LFT
12" Riser	3	Lump Sum
8" Corrugated Plastic Pipe (ADS-N12) or Equivalent	58	LFT
8" Riser	1	Lump Sum
8" PVC SDR 35	1,272	LFT
8" PVC SDR 35 Cleanouts	5	Lump Sum
12" Corrugated Plastic Pipe Cleanout	2	Lump Sum
Miscellaneous		
Seeding	2.2	Acres
Staff Gage	2	Lump Sum

GENERAL NOTES



No.	Revision/Issue	Date

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C & H HOG FARMS
 GESTATION-FARROWING FARM
 SECTION 26, T 15 N, R 20 W
 NEWTON COUNTY, AR

TABLE OF QUANTITIES

DATE: MAY 30, 2012	SHEET: 25
SCALE: NONE	25
DRAWN BY: CAS	
CHECKED BY: DLD	