

NOTICE

This scan only represents the application as filed. The information contained herein meets the requirements of K.A.R. 5-3-1 or K.A.R. 5-5-1, and has been found acceptable for filing in the office of the Chief Engineer. The application should not be considered to be a complete application as per K.A.R. 5-3-1b or K.A.R. 5-5-2a.

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Mike Beam, Acting Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

50536

File Number
This item to be completed by the Division of Water Resources.

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APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

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To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,
1320 Research Park Drive, Manhattan, Kansas 66502:

1. Name of Applicant (Please Print): Preheina Ag by Wesley Shaw, Partner
Address: 565 Quail Crk
City: Peabody State KS Zip Code 66866
Telephone Number: (316) 217-4237

2. The source of water is: [] surface water in []
OR [X] groundwater in Doyle Creek / Cottonwood (stream/drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 122.8 acre-feet OR 40 mil. gallons per calendar year, to be diverted at a maximum rate of 100 gallons per minute OR cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can NOT be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):

- (a) [] Artificial Recharge (b) [] Irrigation (c) [] Recreational (d) [] Water Power
(e) [] Industrial (f) [] Municipal (g) [X] Stockwatering (h) [] Sediment Control
(i) [] Domestic (j) [] Dewatering (k) [] Hydraulic Dredging (l) [] Fire Protection
(m) [] Thermal Exchange (n) [] Contamination Remediation

YOU MUST COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only:
F.O. Code 1 GMD RE2 Meets K.A.R. 5-3-1 (YES/NO) Use STK Fee \$ 300 TR # Source G/S County MN Receipt Date 3/15/21 By BMM Check # 2441 Date 3/15/21

3/16/2021
LMoody

60 Day to Locate

3960' N
3960' W

3/15/2021
BMM

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5. The location of the proposed wells, pump sites or other works for diversion of water is:

Note: For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.

- (A) One in the NW quarter of the _____ quarter of the _____ quarter of Section 17, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township 22 South, Range 4 East/West (circle one), Marion County, Kansas.
- (B) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.
- (C) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.
- (D) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

Preheim Farms LLC 310 Sycamore, Peabody, KS 66804 620-983-2378
(name, address and telephone number)

(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.

Executed on February 25, 20 21. Wesley [Signature]
Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of 2 or 3 wells
(number of wells, pumps or dams, etc.)
and (was)(will be) completed (by) 6/1/21
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be 8/1/21
(Mo/Day/Year)

9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?
 Yes No If "yes", a check valve shall be required.

All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

10. If you are planning to impound water, please contact the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? Yes No

- If yes, show the Water Structures permit number here _____
- If no, explain here why a Water Structures permit is not required _____

11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

- (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- (b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

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13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from: Test holes Well as completed Drillers log attached

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	_____	_____	_____	_____
Total depth of well	_____	_____	_____	_____
Depth to water bearing formation	_____	_____	_____	_____
Depth to static water level	_____	_____	_____	_____
Depth to bottom of pump intake pipe	_____	_____	_____	_____

14. The relationship of the applicant to the proposed place where the water will be used is that of

Owner / Tenant
(owner, tenant, agent or otherwise)

15. The owner(s) of the property where the water is used, if other than the applicant, is (please print):

Preheim Farms LLC 310 Sycamore, Peabody, KS 66866 620-985-2378
(name, address and telephone number)

_____ (name, address and telephone number)

16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at Peabody, Kansas, this 5th day of March, 2021.
(month) (year)

Preheim Ag
(Applicant Signature)

By Wesley Shaw, Partner
(Agent or Officer Signature)

Wesley Shaw, Partner
(Agent or Officer - Please Print)

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Assisted by Randall Preheim Partner Date: 3-5-21
(office/title)

**STOCKWATER USE
SUPPLEMENTAL SHEET**

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File No. _____

Name of Applicant (Please Print): Preheim Ag by Wesley Shaw

1. Please indicate type of livestock (cattle, hogs, etc.): Cattle

2. Please complete the following table showing past and present water requirements:

PAST NUMBER OF HEAD AND WATER DIVERTED, IF APPLICABLE

LAST 5 YEARS	NUMBER OF HEAD	WATER DIVERTED (GALLONS)	GALLONS PER HEAD PER DAY
5 years ago			
Last year			
Present Year			

3. Please complete the following table showing estimated future water requirements:

ESTIMATED FUTURE NUMBER OF HEAD AND WATER DIVERTED

NEXT 5 YEARS	NUMBER OF HEAD	WATER TO BE DIVERTED (GALLONS)	GALLONS PER HEAD PER DAY
Year 1	2000	40,000/day	20
Year 2	2000	40,000	20
Year 3	2000	40,000	20
Year 4	2000	40,000	20
Year 5	4500	90,000	20

Please attach any additional information, tables, or curves showing past, present and estimated future water requirements to substantiate the amount of water requested.

4. Please designate the legal description of the location where the water is to be used. Show in the space provided below the Section (S), Township (T), and Range (R), and the number of acres in each forty acre tract or fractional portion thereof.

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
17	22	4	X	X	X	X													160

Kansas

Owner: Preheim Ag

Practice: Livestock Waste Management System

County: Marion County, Kansas

Legal: NW 1/4 Section 17 T22S R4E

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Index to Drawings

Sheet No.	Description
1	Cover Sheet
2	Location Map and Table of Quantities
3	Benchmark Locations
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16	Basin #1 Pipe Details
17	Basin #2 Picket Details
18	Basin #2 Pipe Details
19	Seeding and Finish Details
20	Fence Details

Before any investigation or construction activity, the excavator is responsible for calling Kansas One-Call at 800-344-7233 (800-DIG-SAFE) or 811

Lance C. Ohnmacht 12/28/2020
Designed by Date

I certify that the plans and detailed specifications for this project were developed in accordance with the policies and procedures of the Natural Resources Conservation Service.

Approved by BRADLEY YOUNKER
Date: 2021.02.25 14:11:26 -06'00'

Revisions		
PAGE NUMBERS	APPROVED	DATE



★ Water Wells marked owned by Randall Arheim, Partner of Arheim Ag
 → Currently used for stock watering at existing feed yard

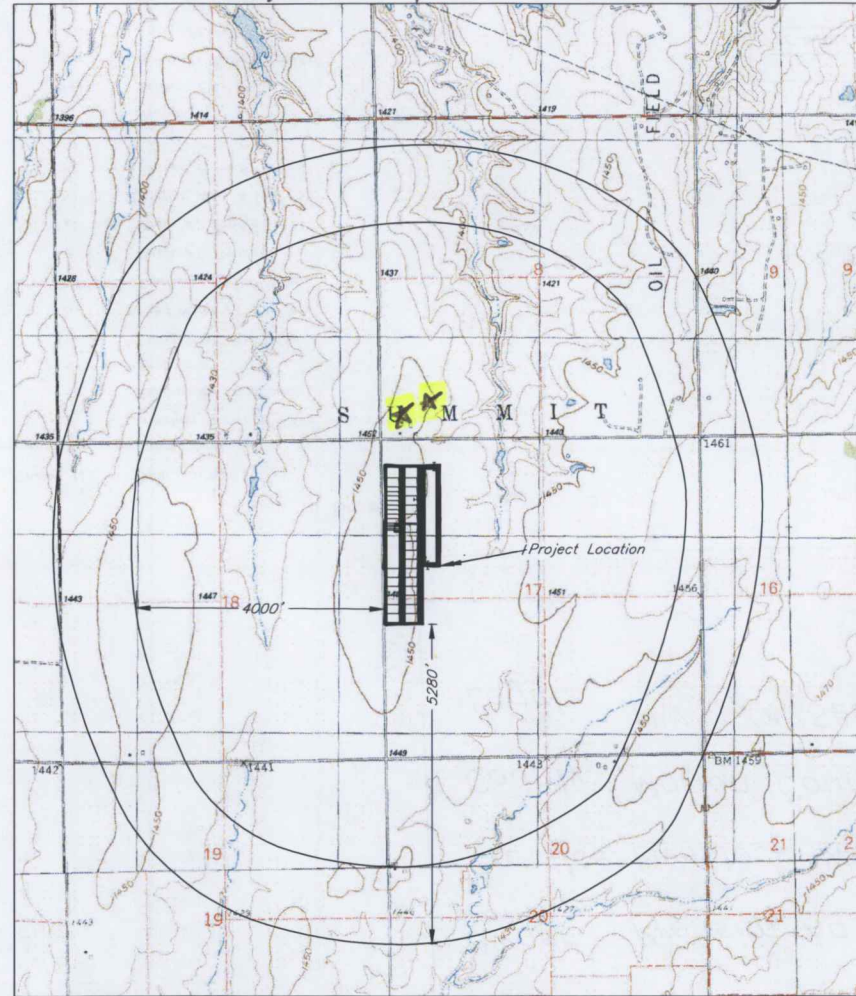
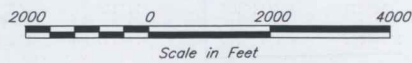


TABLE OF QUANTITIES

ITEM	UNIT	QUANTITY	AS-BUILT QUANTITY
Excavation:			
Waste Storage Pond	YD ³	89025	
Settling Basin #1	YD ³	5997	
Settling Basin #2	YD ³	7819	
Pen Grading & Feed Storage Area	YD ³	6169	
Earth Fill:			
Waste Storage Pond	YD ³	10828	
Settling Basin #1	YD ³	1653	
Settling Basin #2	YD ³	3389	
Pen Grading & Feed Storage Area	YD ³	80579	
Pond Sealing and Liner			
Compacted Clay Liner w/ Soil Blanket	YD ³	21220	
Soda Ash	Ton	38.2	
Waste Transfer			
Picket Structure	Each	2	
Settling Basin #1			
18" Smooth Inside Corrugated Outside PVC (A2000)	Lin. Ft.	357	
Concrete Inlet	YD ³	1.5	
#4 Rebar	Lin. Ft.	116	
Concrete Outlet Protection	YD ³	3.5	
#4 Rebar	Lin. Ft.	264.6	
12" PVC Culverts (4 culverts - 38')	Lin. Ft.	152	
Settling Basin #2			
18" Smooth Inside Corrugated Outside PVC (A2000)	Lin. Ft.	59	
Concrete Inlet	YD ³	1.2	
#4 Rebar	Lin. Ft.	105.5	
Concrete Outlet Protection	YD ³	3.5	
#4 Rebar	Lin. Ft.	264.6	
Critical Area Planting			
Brome Grass	Acre	13.8	
Fence			
4 Wire Barb	Lin Ft.	3800	
Miscellaneous			
Staff Gauge	Each	1	



Location Map and Table of Quantities

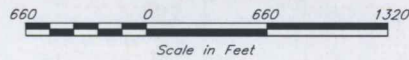
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 Drawn LCO
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Benchmark Information				
Benchmark	Northing	Easting	Elevation	Description
BM 1	1849719.29	1736733.25	1454.47	X Chiseled on Concrete Pad
BM 2	1853797.09	1736855.63	1453.83	Rebar 1 Foot Southwest Hydrant Corner Road 50
BM 3	1853780.35	1738161.85	1446.14	Rebar 1 Foot West of N-S Fenceline Brace
BM 4	1852462.47	1738222.65	1447.48	Rebar 1 Foot East Fenceline Corner
BM 5	1852552.89	1736828.99	1461.11	1 Foot North of Power Pole
BM 6	1847695.78	1736950.31	1450.71	Rebar 2 Feet East Gate Post
BM 7	1848499.49	1738112.45	1446.47	Rebar 1 Foot East of Brace Post Gate

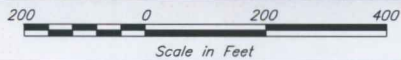
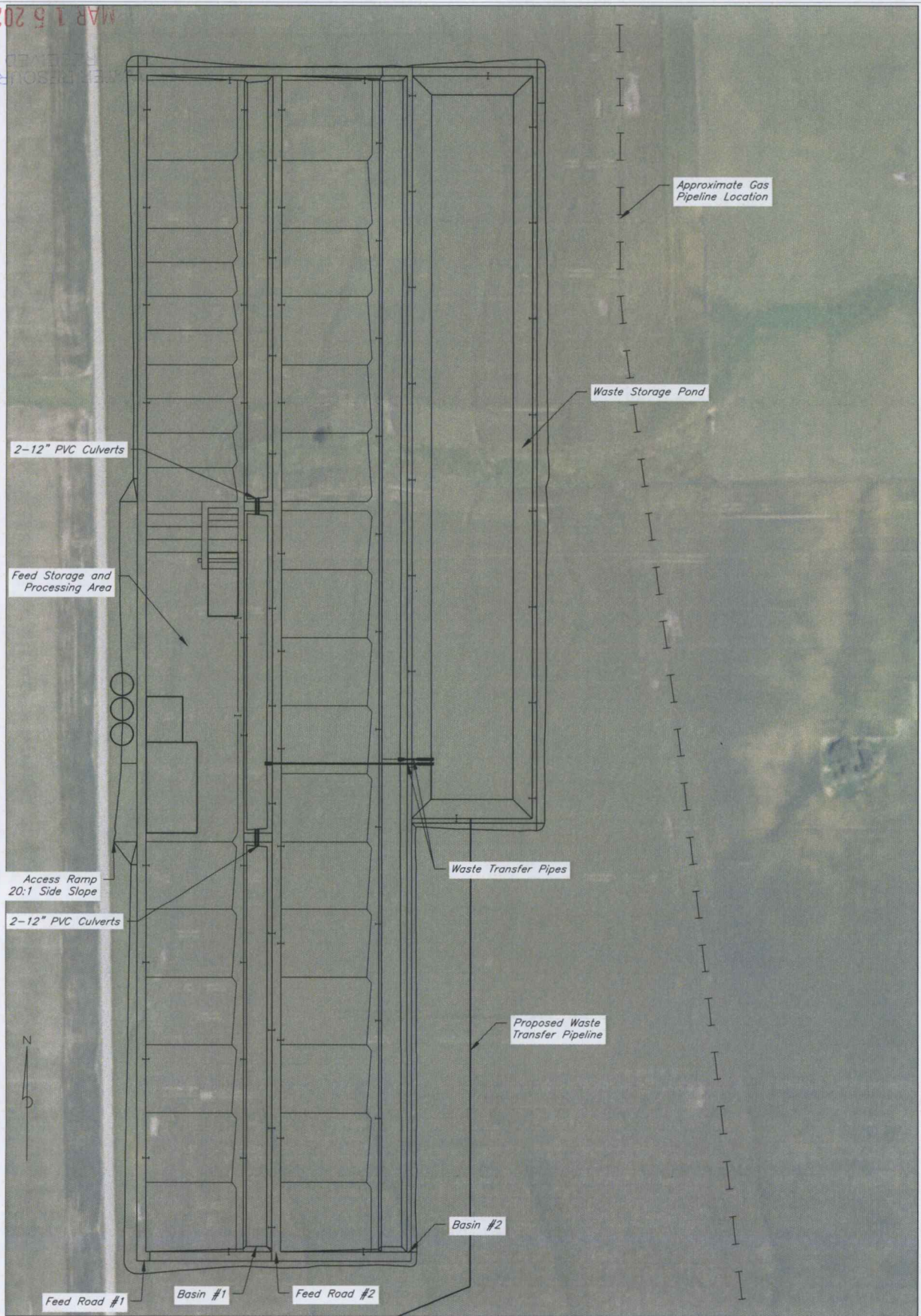
** Survey was transformed by OPUS solution to NAD 1983 State Plane KS South 1502 - Geoid 12b **

Benchmark Locations

Drawing Name PREHEIM 2/5/21 1:18 PM Sheet 3 of 20	United States Department of Agriculture Natural Resources Conservation Service	Preheim Ag Livestock Waste Management System NW 1/4 Section 17 T22S R4E Marion County, KS		Date Designed <u>LCO</u> <u>12/20</u>
				Drawn <u>LCO</u> <u>12/20</u>
				Checked _____
				Approved _____

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NATURAL RESOURCES



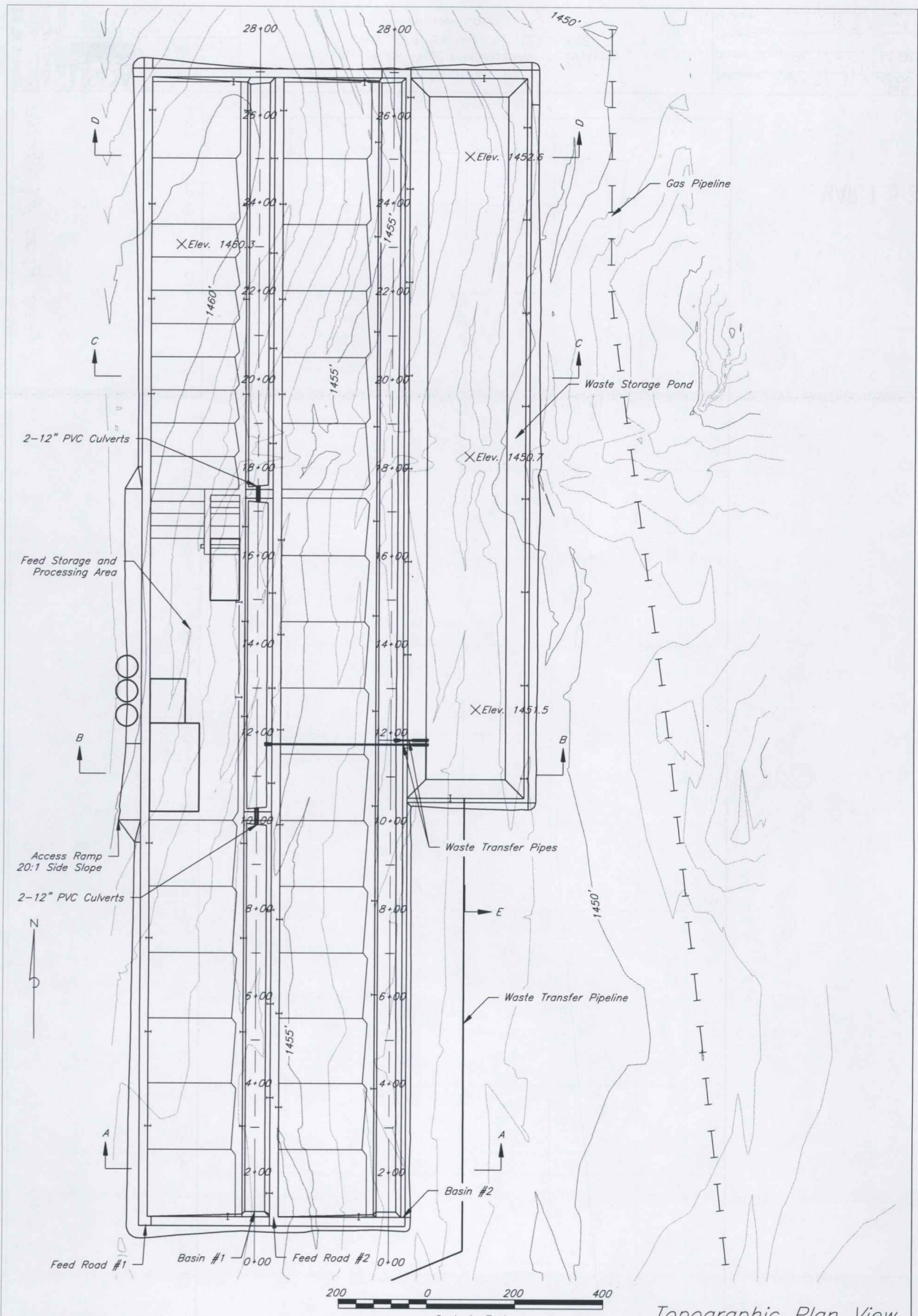
Plan View

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USDA United States Department of Agriculture
 Natural Resources Conservation Service

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 NW 1/4 Section 17 T22S R4E
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		Date
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Topographic Plan View

USDA United States Department of Agriculture
 Natural Resources Conservation Service
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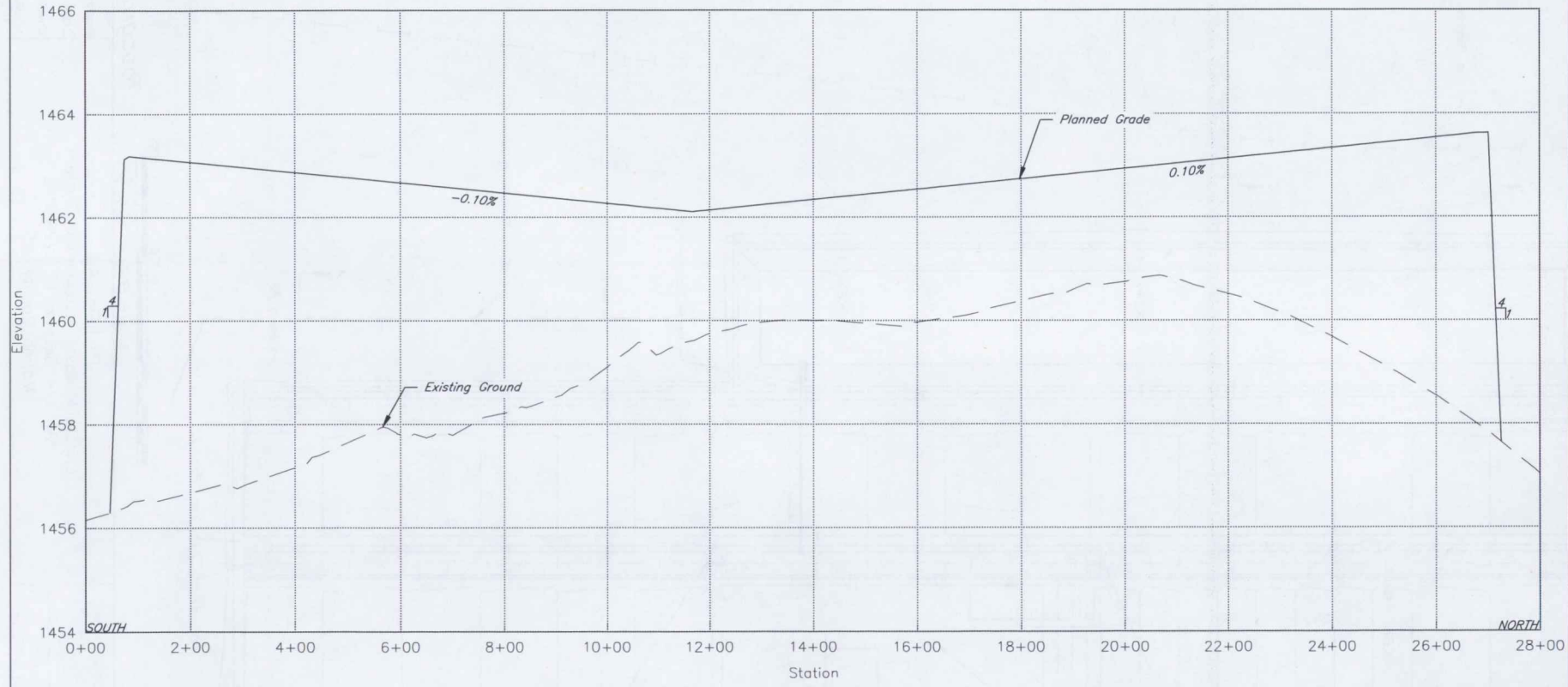
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Profile View of Feed Road #1

Feed Road #1 Profile

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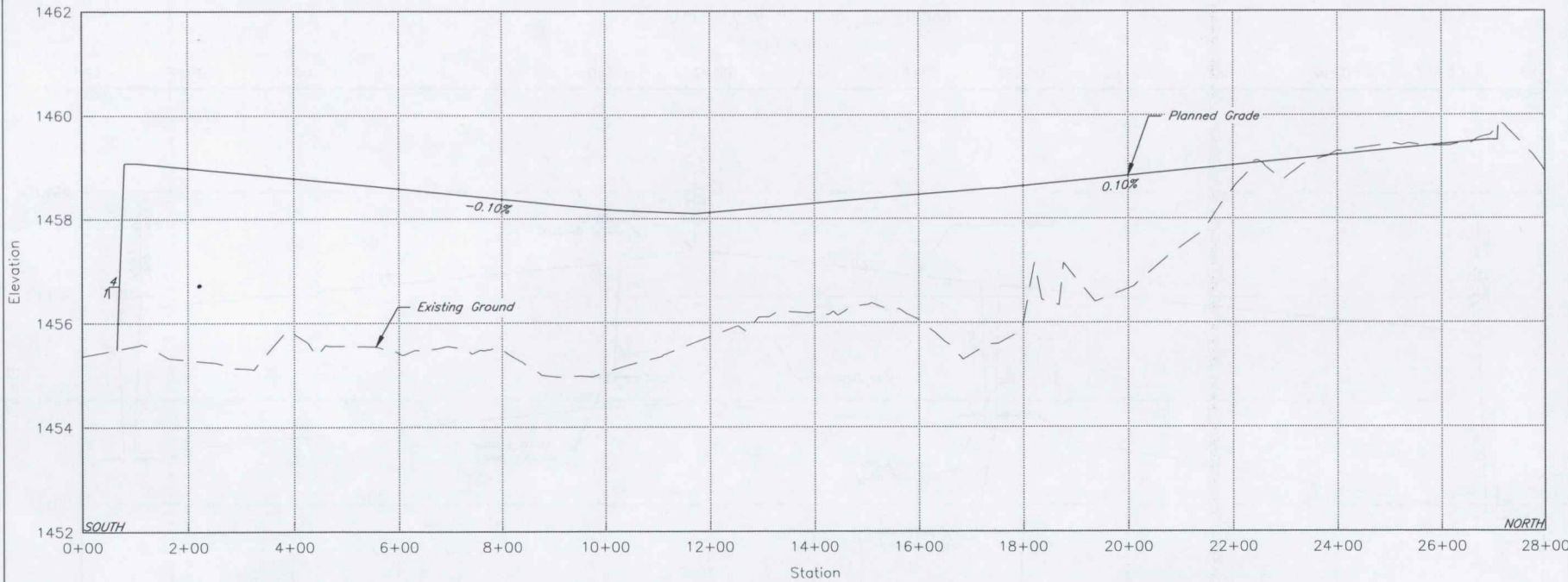
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WATER RESOURCES



Profile View of Feed Road #2

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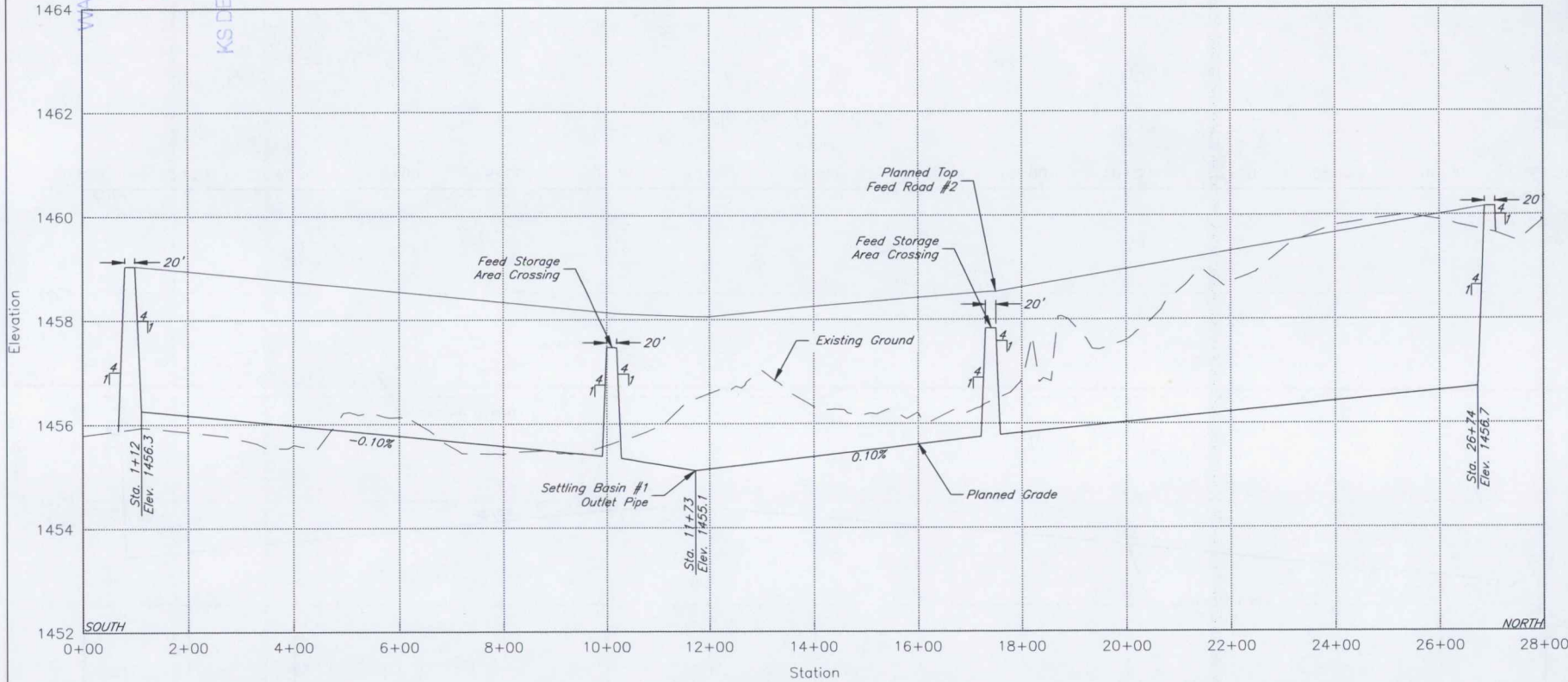
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Feed Road #2 Profile

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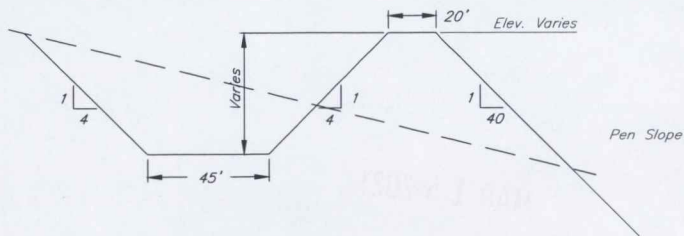
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Profile View of Basin #1 Channel

Typical Cross Section:



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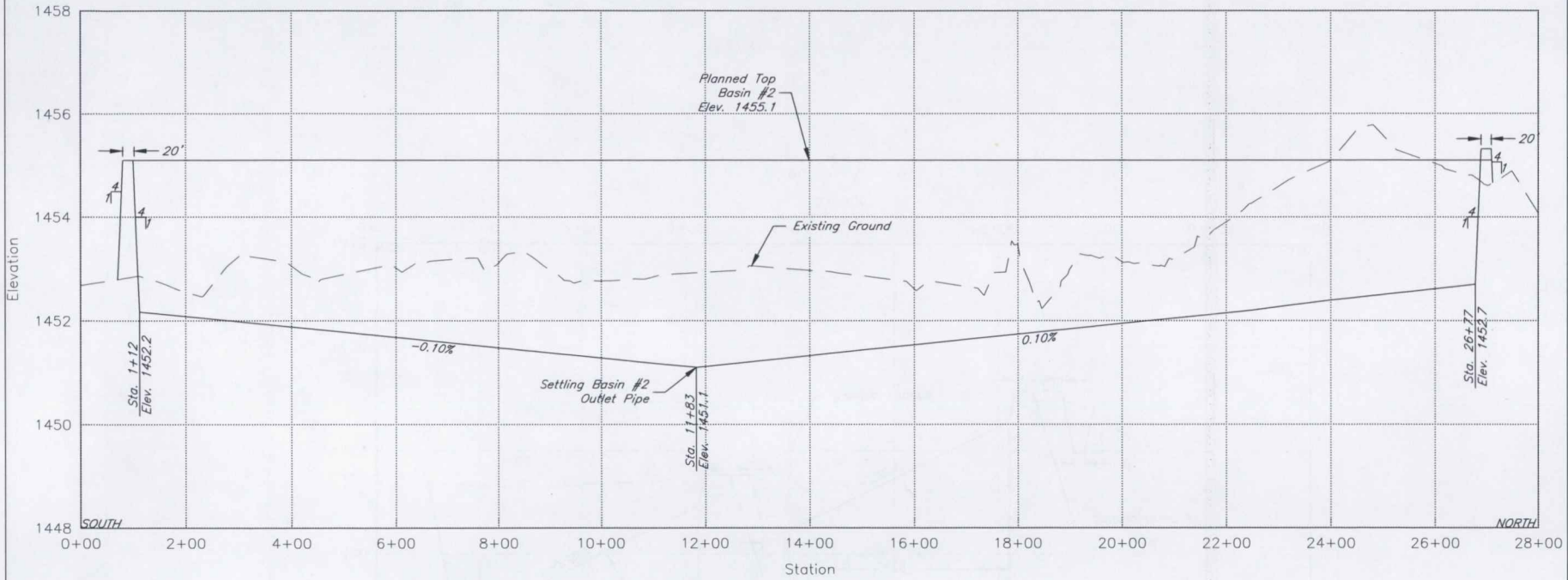
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Basin #1 Profile

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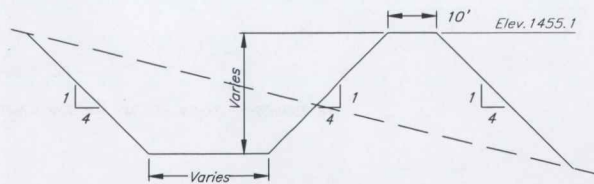
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Profile View of Basin #2 Channel

Typical Cross Section:



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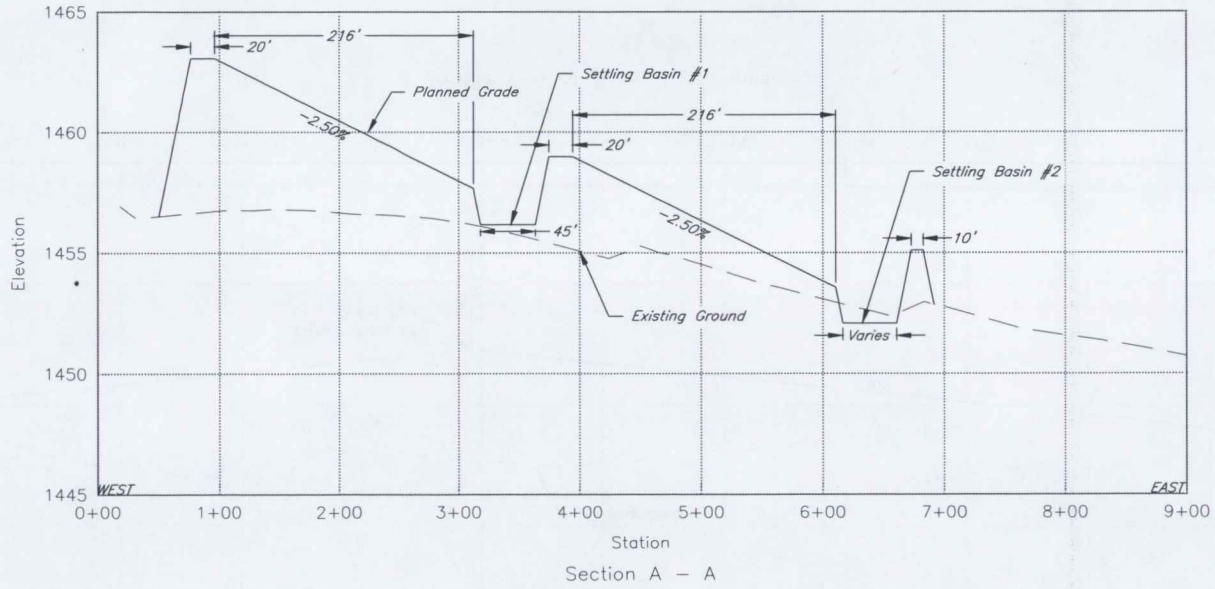
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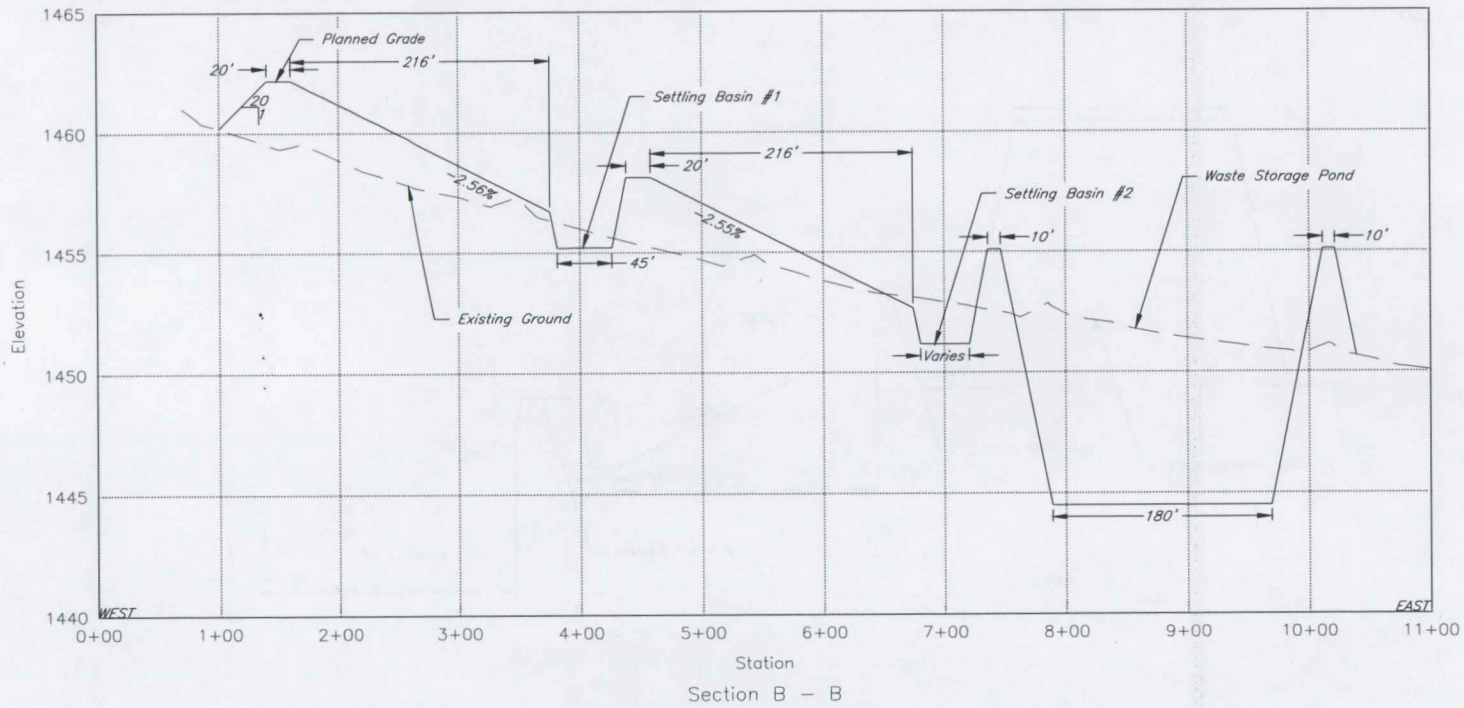


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Section A - A

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Section B - B

Section B - B

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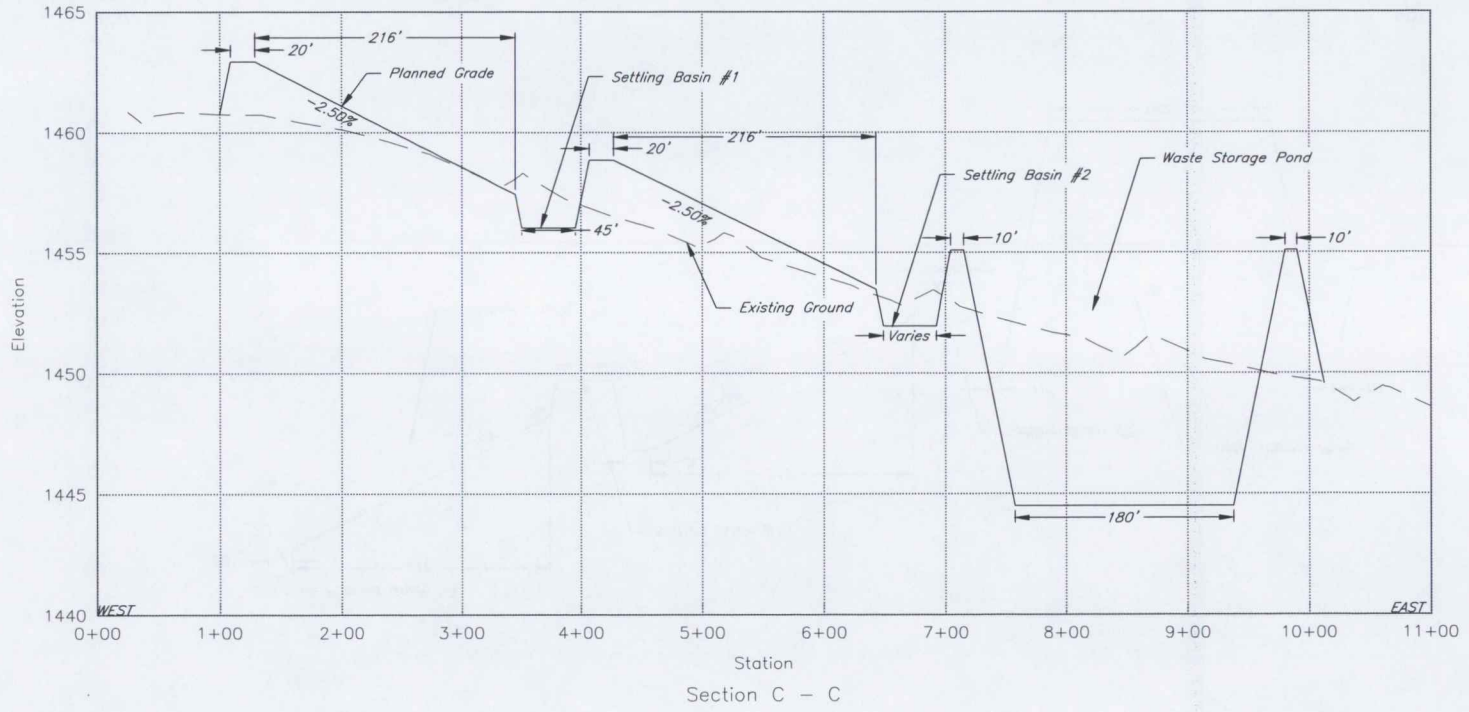
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Section C - C

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NW 1/4 Section 17 T22S R4E
Marion County, KS



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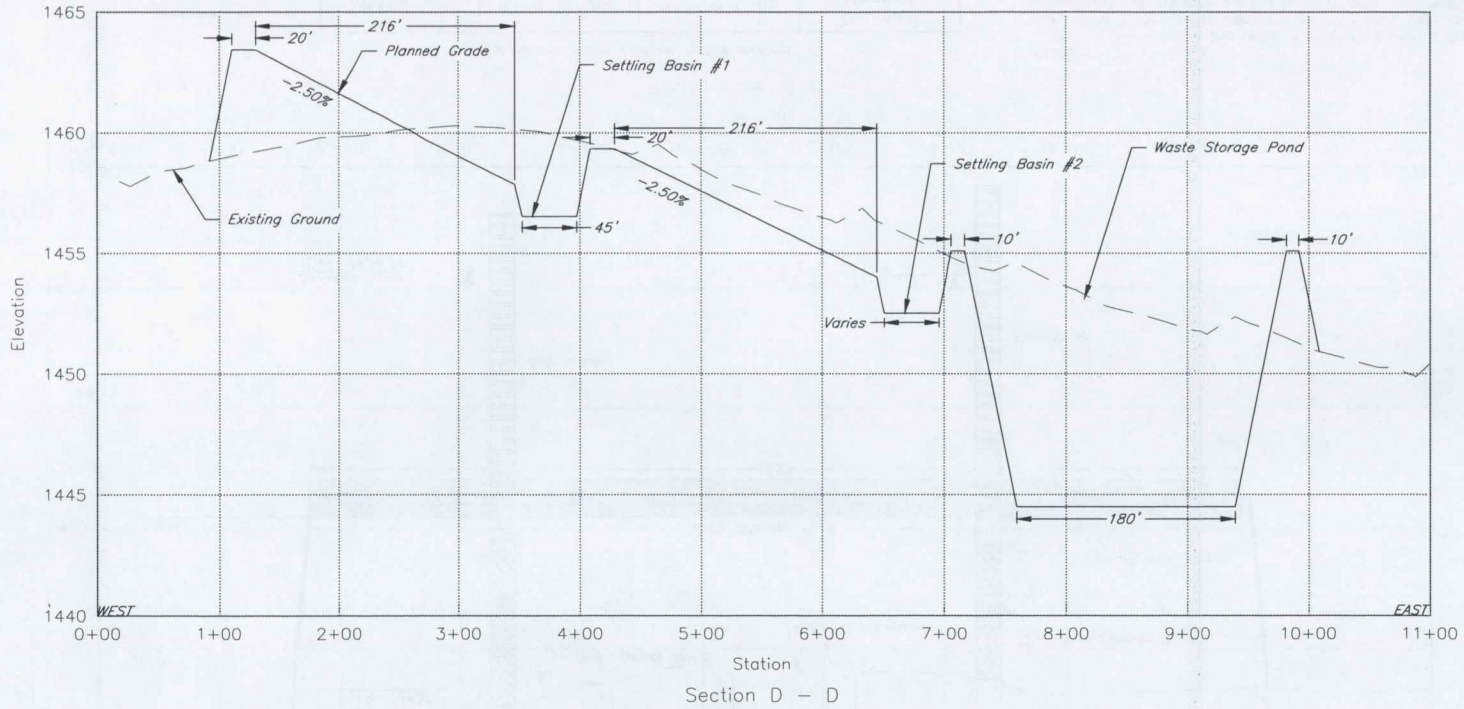
Section C - C

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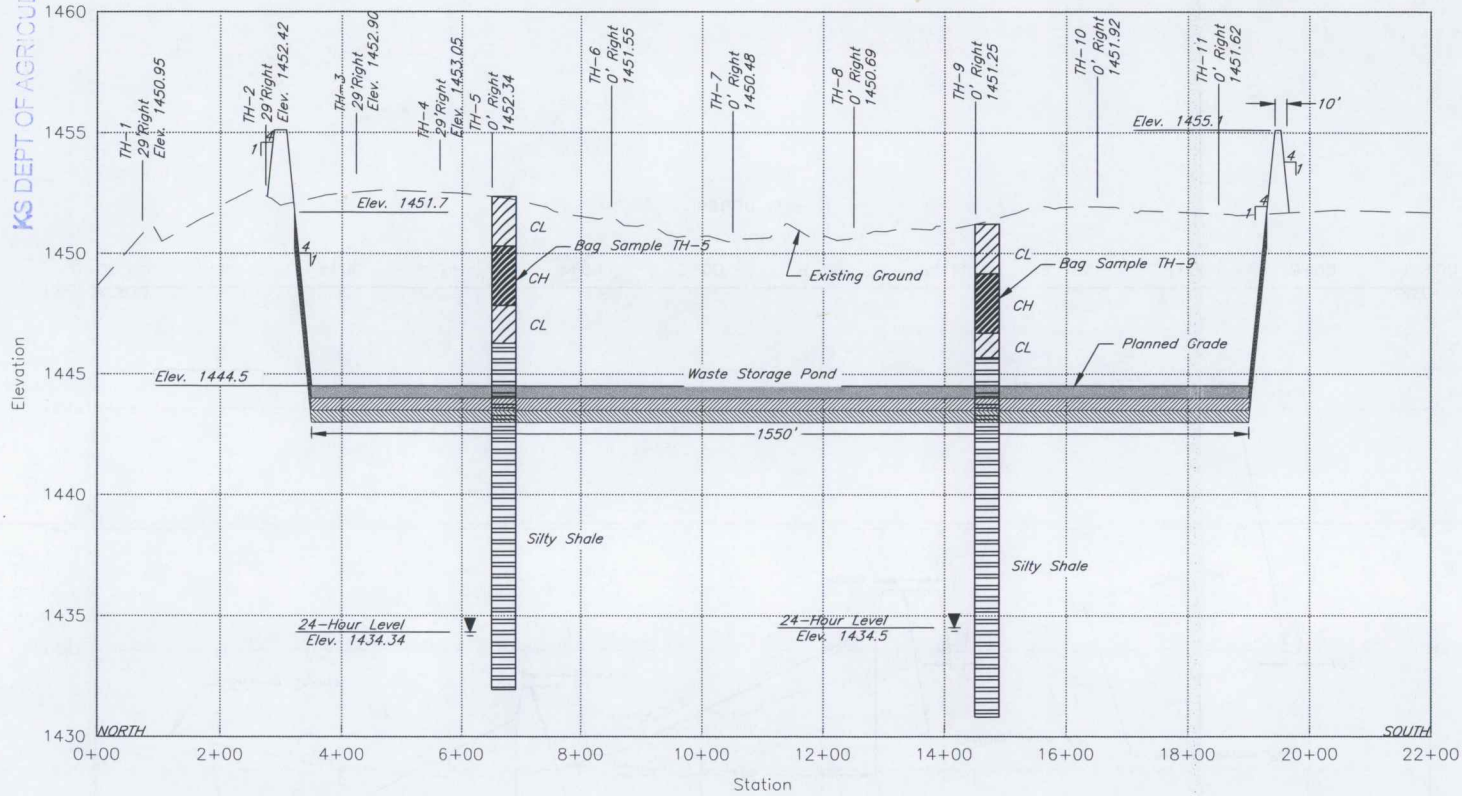
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Section D - D

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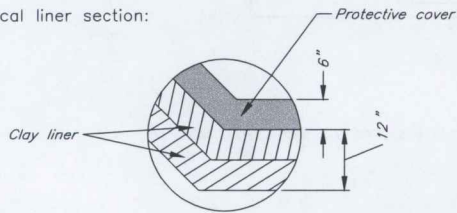


Profile View of E - E

Laboratory information on tested material:

Unified Soil Classification	Field Sample No.	Maximum Dry Density (lb/ft ²)	Optimum Moisture (% d.b.)
CH	TH-1-20-315	93.5	25.5
CH	TH-3-20-316	94.0	24.5
CH	TH-4-20-317	96.0	24.0
CH	TH-5		
CH	TH-9		

Typical liner section:



Notes:

The compacted clay liner shall have a thickness of 12" after compaction. The liner thickness shall have soda ash added as an amendment. A minimum of 0.1 lb/sq ft soda ash shall be mixed into each 6" thick layer prior to compaction. A total of 0.2 lb/sq ft soda ash will be required for the completed liner. A 6" thick protective cover shall be placed over liner.

Add needed moisture to soil material prior to compaction. Compaction operations shall be as shown in the Specifications or preapproved by the construction inspector. Final moisture/density shall be as shown below.

** All other core logs are in design documentation **

Minimum Required Compaction: 95 % of maximum
 Allowable Moisture Range from Optimum (%): 1.5% to 4.0% above optimum

Date	By
12/20	LCO
12/20	LCO
	Checked
	Approved

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 NW 1/4 Section 17 T22S R4E
 Marion County, KS

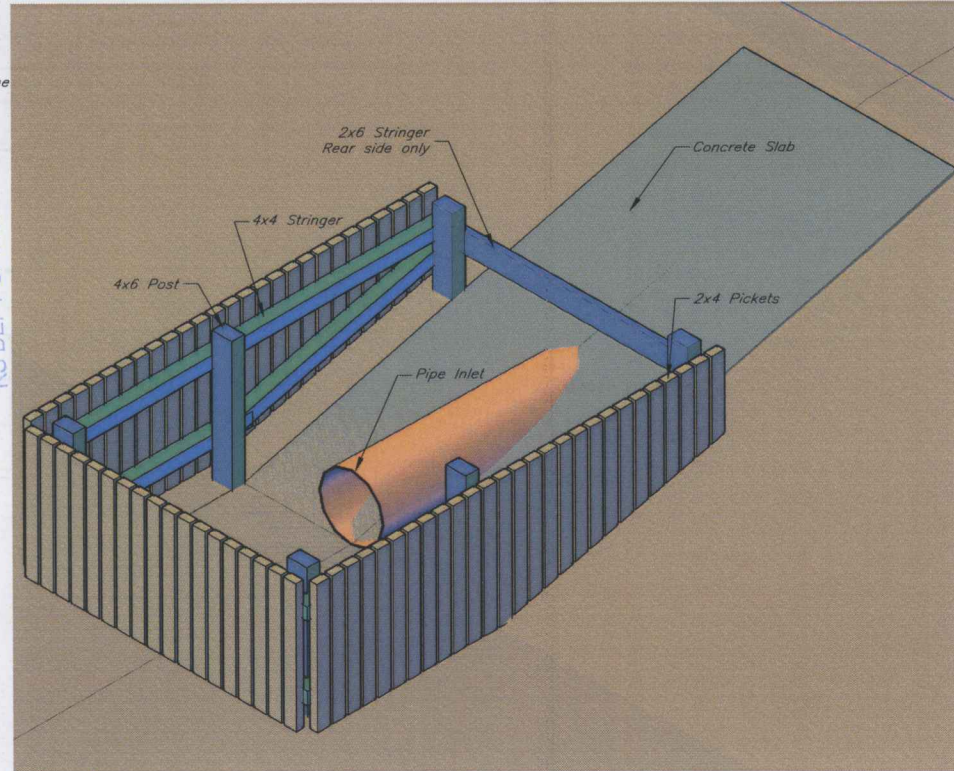


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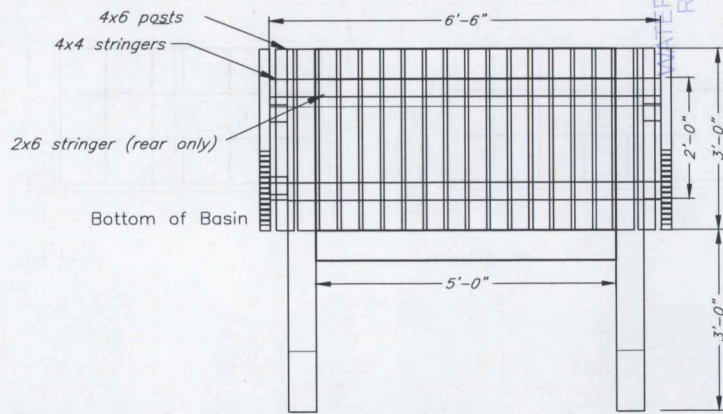
Section E - E

- Notes:
1. All wood pieces are to be pressure preservative treated according to ASTM D1760. Plastic or composite lumber shall be in accordance with ASTM D6662. Substitute materials shall be approved by NRCS prior to installation.
 2. Set posts 3 feet minimum into the ground. Posts should be set outside of the concrete pad around the pipe inlet.
 3. Fasten stringers to posts with $\frac{1}{2}$ " bolt, 10" long min.
 4. Pickets shall be screwed or nailed with 16d galvanized nails to the stringers. A $\frac{1}{4}$ " gap shall be left between pickets.
 5. Pickets may be installed on rear (short) side of structure if desired. If pickets installed on rear side, lower 2x6 stringer should be set 1" max. above ground.

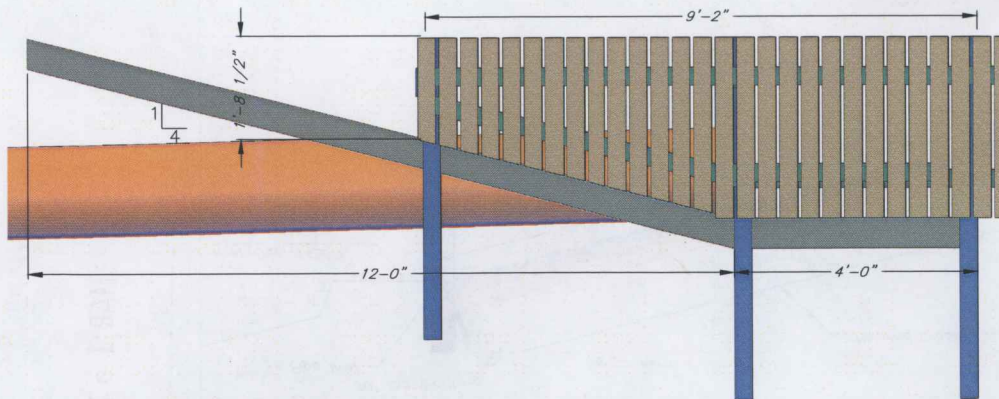
Isometric view:



Front view: (pickets not shown)



Side view:



** Note Table is for 1 Picket Only **

Table of Quantities			
Item	Number	Length	Total Length
2x4 Pickets	42	3'-0"	126'-0"
2x4 Pickets	30	Varies	69'-4"
2x6 Stringer	1	6'-6"	6'-6"
4x4 Stringer (top)	1	25'-0"	25'-0"
4x4 Stringer (bottom)	1	26'-0"	26'-0"
4x6 Posts	2	5'-0"	10'-0"
4x6 Posts	4	6'-0"	24'-0"
$\frac{1}{2}$ " bolt, 2 washers, nut	18	Each	

Basin #1 Picket Details

Date: 12/20
 Designed: LCO
 Drawn: LCO
 Checked: _____
 Approved: _____

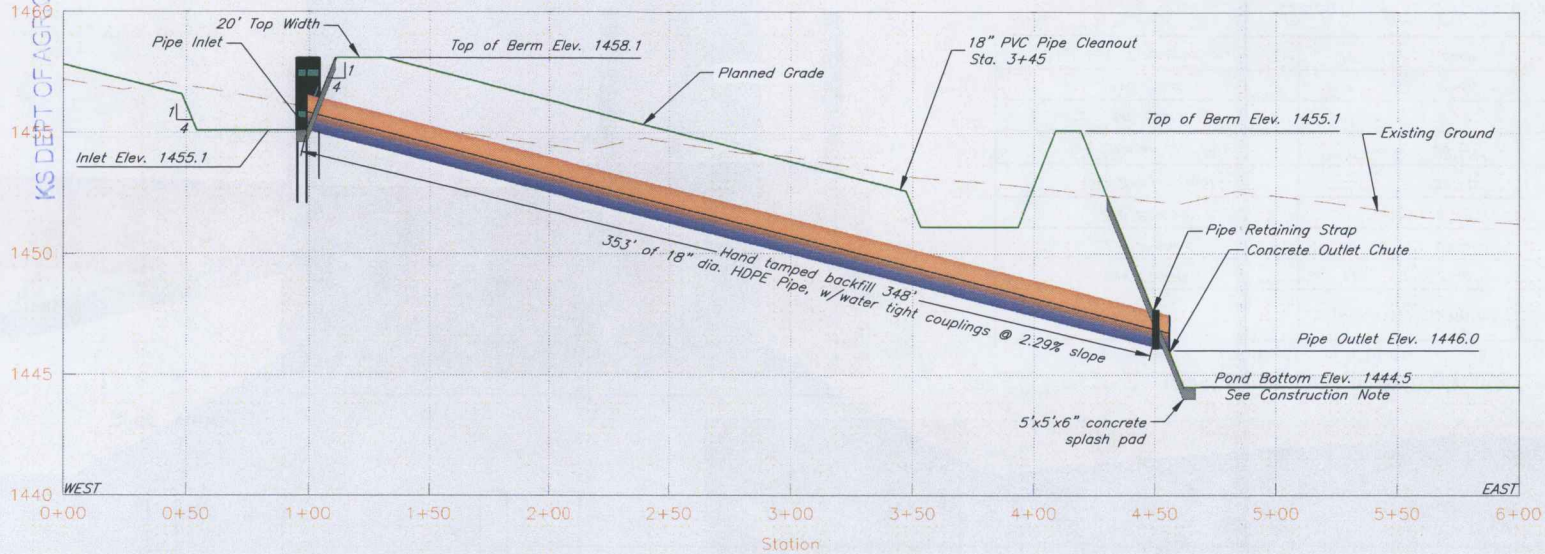
Preheim Ag
 Livestock Waste Management System
 NW 1/4 Section 17 T22S R4E
 Marion County, KS

United States
 Department of
 Agriculture
USDA
 Natural Resources
 Conservation Service

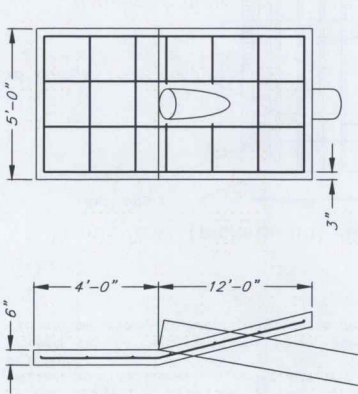
Drawing Name
PREHEIM
 2/3/21 1:18 PM
 Sheet 15 of 20

MAR 15 2021

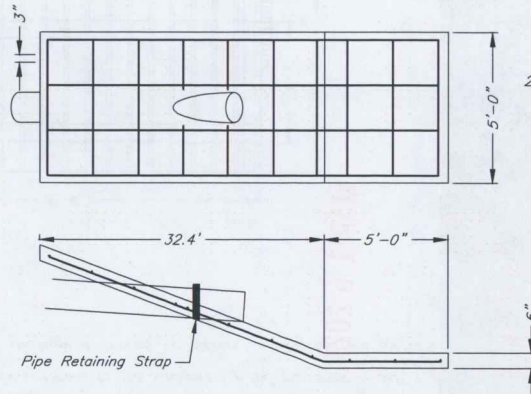
Elevation



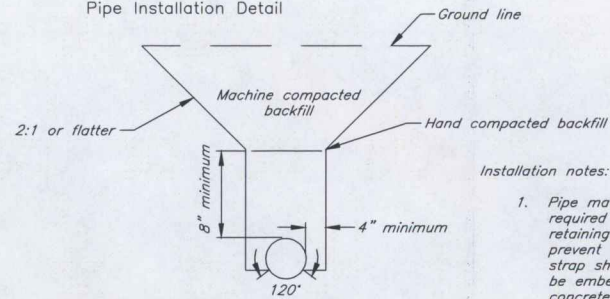
Inlet Detail:



Outlet Detail:



Pipe Installation Detail



Installation notes:

1. Pipe material and fittings shall be as required in the specifications. A pipe retaining strap shall be installed to prevent floatation of the pipe. The rebar strap shall be bent around the pipe and be embedded in or anchored to the concrete.
2. Concrete shall have a minimum design strength of Class 4000 psi. as shown in the specs.
3. Reinforcing steel shall be #4 rebar placed on 18" c-c both ways in concrete. Bars or shall be installed in center of slab.
4. Bars or mesh shall be installed with a 3" clear distance between all bars and edge of concrete and 2" minimum clearance from the pipe. Bend bars as needed to align with earthfill slope.

Concrete Inlet Structure			Concrete Outlet Structure		
Structure	Concrete (Cubic Yards)	#4 Rebar (Lin. Ft.)	Structure	Concrete (Cubic Yards)	#4 Rebar (Lin. Ft.)
Settling Basin #1	1.5	116.0	Settling Basin #1	3.5	264.6

Basin #1 Pipe Details

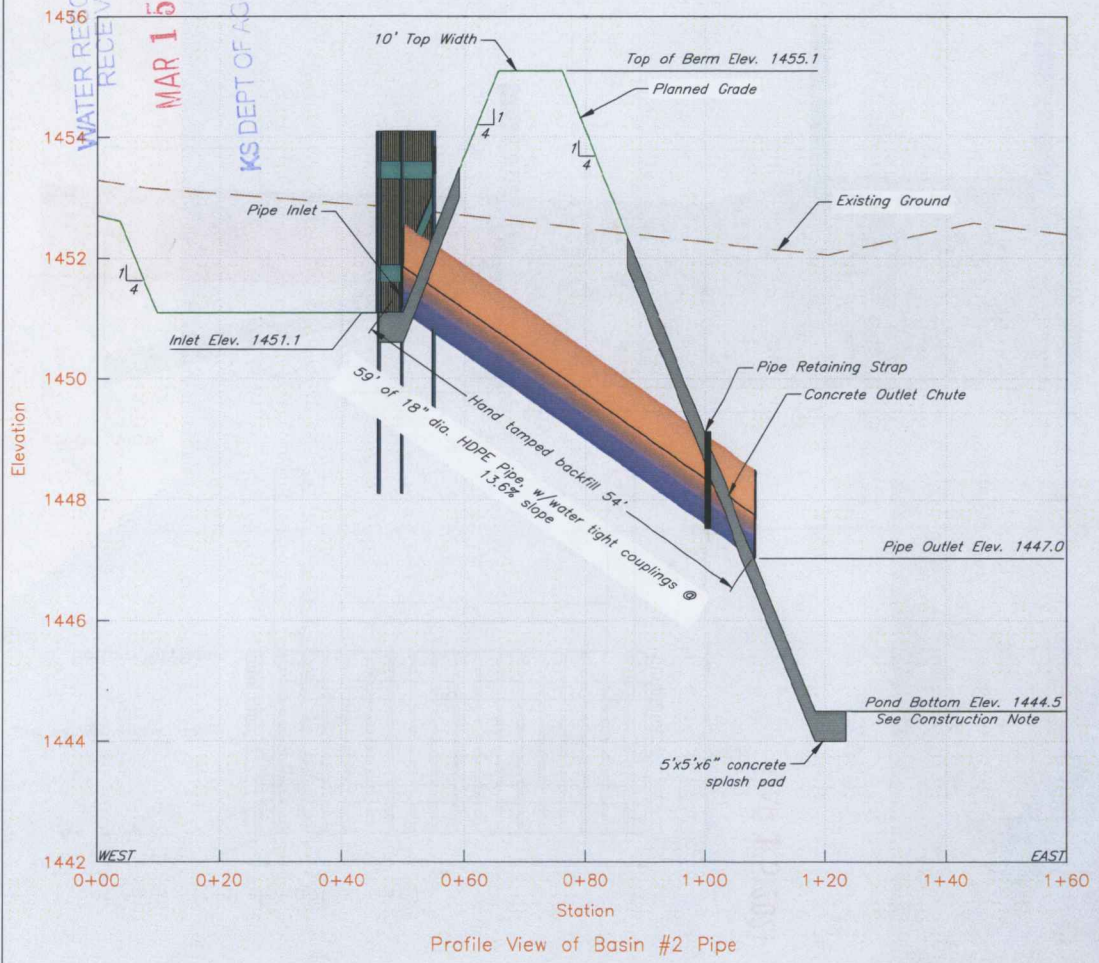
Date	12/20
Designed	LCO
Drawn	LCO
Checked	
Approved	

Preheim Ag
Livestock Waste Management System
NW 1/4 Section 17 T22S R4E
Marion County, KS

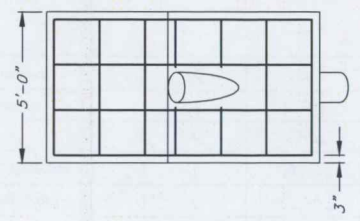
WATER RESOURCES RECEIVED

MAR 15 2021

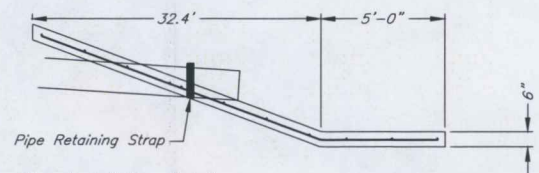
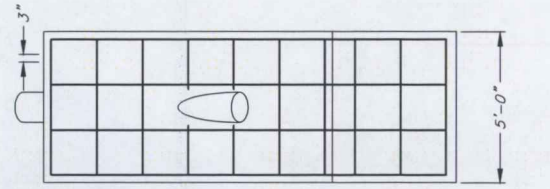
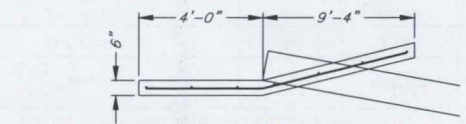
KS DEPT OF AGRICULTURE



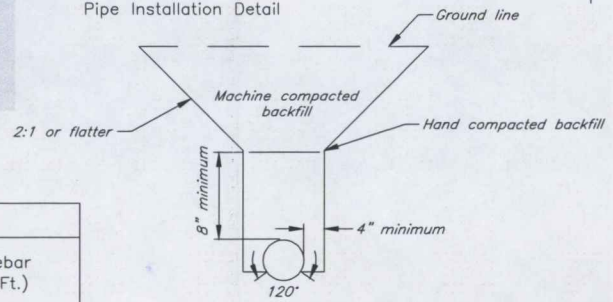
Inlet Detail:



Outlet Detail:



Pipe Installation Detail



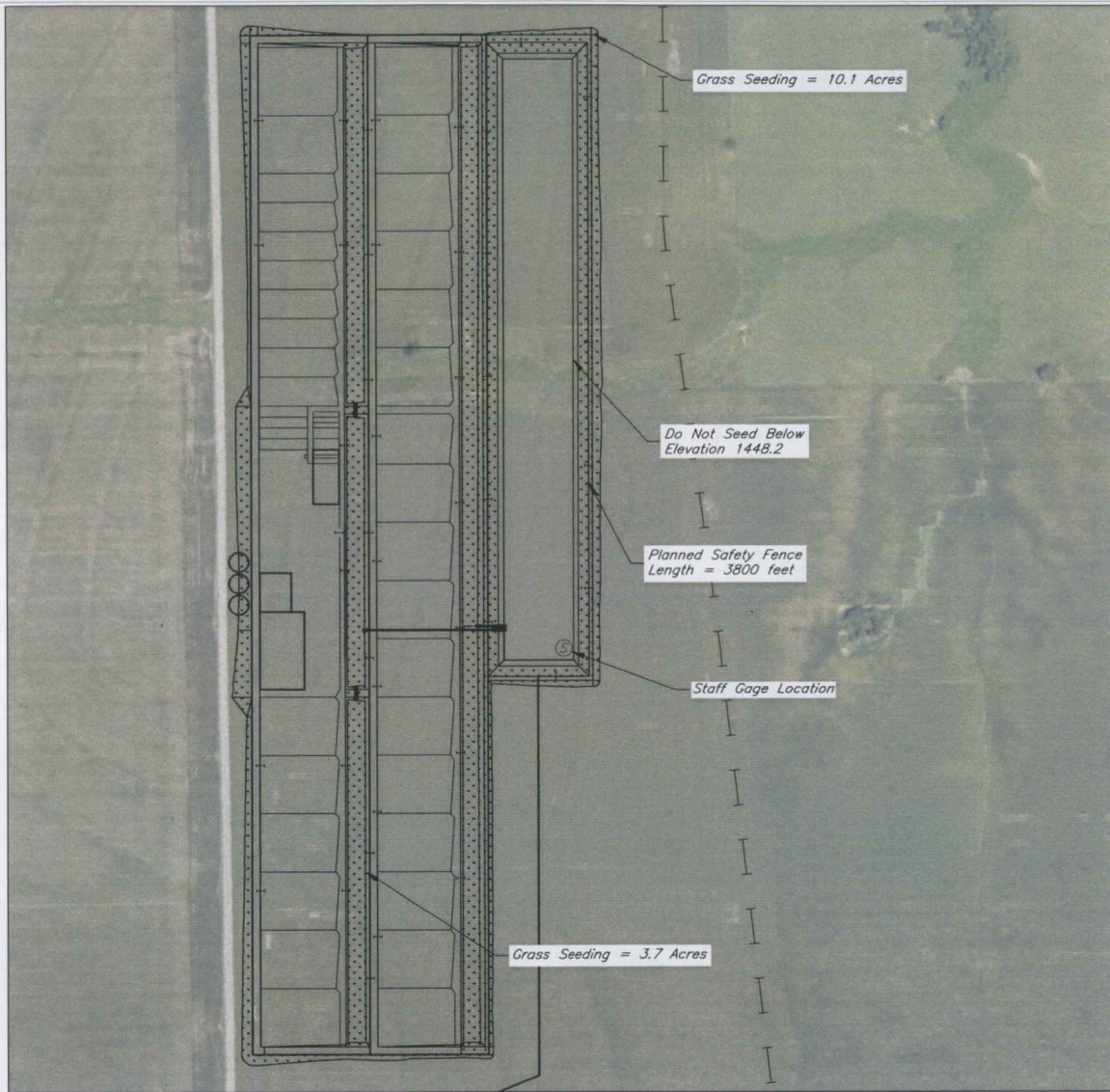
Basin #2 Pipe Details

Concrete Inlet Structure			Concrete Outlet Structure		
Structure	Concrete (Cubic Yards)	#4 Rebar (Lin. Ft.)	Structure	Concrete (Cubic Yards)	#4 Rebar (Lin. Ft.)
Settling Basin #2	1.2	105.5	Settling Basin #2	3.5	264.6

Date	12/20
Designed	LCO
Drawn	LCO
Checked	
Approved	

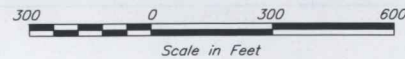
Preheim Ag
Livestock Waste Management System
NW 1/4 Section 17 T22S R4E
Marion County, KS

United States Department of Agriculture
USDA
Natural Resources Conservation Service
Drawing Name: PREHEIM
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Facility Area

Notes:
Seeding will be completed on all areas hatched.



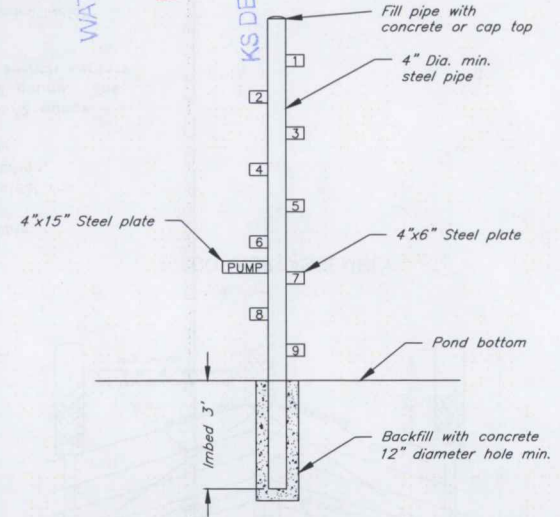
Scale in Feet

Staff gage:

WATER RESOURCES RECEIVED

MAR 15 2021

KS DEPT OF AGRICULTURE



Notes:

Gage shall extend to settled top elevation of the pond.

Number plates shall be $\frac{3}{16}$ " thick steel welded to staff gage pipe with 3" high numbers. Cut numbers out of plate or arc weld onto plate. Top of plate shall correspond to pond depth, with top of gage coinciding with lowest point of pond berm. Pumpout elevation shall be marked.

Alternative gage designs shall be submitted to engineer prior to installation for approval.

Date	12/20
Designed	LCO
Drawn	LCO
Checked	
Approved	

Preheim Ag
Livestock Waste Management System
NW 1/4 Section 17 T22S R4E
Marion County, KS

United States
Department of
Agriculture
USDA
Natural Resources
Conservation Service

Drawing Name
PREHEIM
2/5/21 1:18 PM
Sheet 19 of 20

Seeding and Finish Details

DATA ENTRY SYSTEM ID NUMBER SHEET

FILE NUMBER 50536

APPLICANT PERSON ID & SEQ #	PDIV ID	BATTERY ID
<u>67737</u>	<u>88646</u>	

LANDOWNER PERSON ID & SEQ #	PUSE ID
<u>67737</u>	<u>70295</u>

WATER USE CORRESPONDENT PERSON ID & SEQ #
<u>67737</u>

1320 Research Park Drive
Manhattan, KS 66502
785-564-6700
www. agriculture.ks.gov



900 SW Jackson, Room 456
Topeka, KS 66612
785-296-3556

Mike Beam, Secretary

Laura Kelly, Governor

March 16, 2021

PREHEIM AG BY WESLEY SHAW, PARTNER
565 QUAIL CREEK
PEABODY KS 66866

RE: Application, File No(s). **50536**

Dear Sir or Madam:

The Division of Water Resources (Division) has received your application(s) for a permit to appropriate water for beneficial use. Your application(s) has been assigned the file number(s) referenced above. Please be aware that the Division may have a large number of pending applications on hand at times and makes every attempt to process them in the order in which they are received. You will be contacted if additional information is required.

Please note, this letter only acknowledges receipt of your application(s) and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application(s) is unlawful.

Additional information about the process may be found on our website at agriculture.ks.gov/divisions-programs/dwr. If you have any other questions, please contact our office at 785-564-6640 or your local Topeka Field Office at 785-296-5733. *Topeka Field Office at 785-296-5733*. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in black ink that reads "Kris Neuhauser". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kris Neuhauser
New Applications Lead
Water Appropriation Program