

WATER PERMIT NO. 5864-3

Phone: 875-3349

Name of Applicant: Kip Krull

Post Office Address: 20834 318th Ave, Harrold SD 57536

Amount of Water Claimed: 41.4 acre-feet Total Acres: NA

Source of Water Supply: runoff

Water to be used for: fish & wildlife and livestock County: Hughes

Location: 16 miles south of Harrold

PRIORITY Date Received: 4-24-95 Fee: \$150.00

Corrected Application Received: \_\_\_\_\_ Period of Annual Use: Jan 1 - Dec 31

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Diversion Point: W 1/2 NE 1/4 Sec 32-T110N-R74W

\_\_\_\_\_

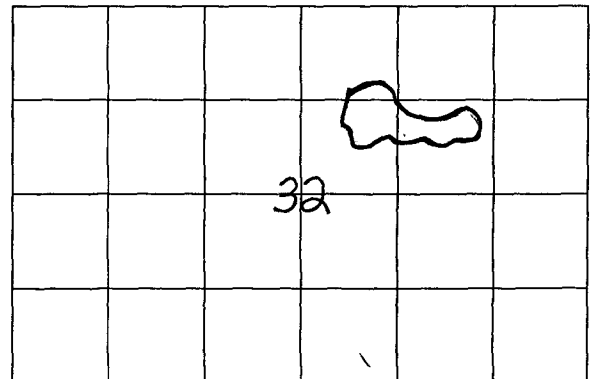
\_\_\_\_\_

Water Impounded: NE 1/4 Sec 32-T110N-R74W

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Well Log: Driller: \_\_\_\_\_ Licensed: YES \_\_\_\_\_ NO \_\_\_\_\_

Depth of Well: \_\_\_\_\_ REMARKS: \_\_\_\_\_

\_\_\_\_\_

Type of Map: plat Prepared By: K. Paulsen Reviewed and the Number

Assigned on: 4-24-95 By: Karen Schlaak

## FORM 2: Application for uses other than irrigation

(type or print)

Mail to:  
Water Rights Division  
Joe Foss Building  
523 E Capitol  
Pierre SD 57501-3181  
605 773-3352

No. 5864-3 Hydrologic Unit 10140101  
Basin Missouri River  
Newspaper Capital Journal, PO Box 878, Pierre  
(office use only)



## Application For Permit To Appropriate Water Within The State Of South Dakota

## Check use of water:

☐ Municipal ☐ Suburban Housing ☐ Recreational ☐ Institutional  
☐ Rural Water System ☐ Commercial ☒ Fish & Wildlife ☐ Geothermal Heat  
☐ Domestic ☐ Industrial ☒ Other Livestock  
(over 18 gpm)

Type of Application: ☒ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation  
(check one) ☐ Place to Beneficial Use Water Reserved by Future Use Permit No. \_\_\_\_\_  
☐ Amendment/Correction to Permit No. \_\_\_\_\_

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.) \_\_\_\_\_

- Name of Applicant Kip Krull Phone 875-3349  
(check one) ☒ Owner ☐ Tenant/lessee  
Mailing Address 20834 318th Ave. Harold State So. Dak 57536  
(Street, RR, or Box) (City) (Zip Code)
- Amount of water claimed \_\_\_\_\_ \*CFS or \_\_\_\_\_ \*\*GPM 41.4 \*\*\*AF  
(\*Cubic Feet per Second) (\*\*Gallons per Minute) (\*\*Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply runoff
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) W 1/2 NE 1/4 Sec. 32 T110N. R. 74W water impounded - portions of NE 1/4 Sec. 32  
T110N-R74W County Hughes
- County or counties where water will be used Hughes
- Annual period during which water is to be used Year round Jan 1 - Dec 31
- Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)  
Pond to provide livestock water and enhance wildlife production.

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

STATE OF SOUTH DAKOTA)

County of Hughes)<sup>ss</sup>

I, Kip Krull, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Signed Kip KrullSubscribed and sworn to before me this 24 day of April 19 95

Vicki Liskaess  
Notary Public

MICKI LIGGETT, Notary Public  
My Commission Expires  
March 5, 2000

**SOUTH DAKOTA  
WATER PERMIT NO. 5864-3**

Date of first receipt of application April 24, 1995.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 5864-3 to Kip Krull, 20834 318th Ave, Harrold SD 57536 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 5864-3 authorizes impoundment of 41.4 acre-feet of water from local runoff by constructing a dam located in the W 1/2 NE 1/4 Section 32 with water impounded in the NE 1/4 Section 32; all in T110N-R74W. This permit appropriates sufficient water annually to maintain the water level in the dam at the primary spillway (outlet) elevation.
2. The water appropriated shall be used for the purpose of supplying water for fish and wildlife production and livestock watering and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: January 1 - December 31.
4. The date of approval of Permit No. 5864-3 is July 10, 1995.
5. The date from which applicant may claim right is April 24, 1995.
6. One-fifth of the construction is to be completed on or before January 10, 1998.
7. All construction is to be completed on or before July 10, 2000.
8. Water is to be put to beneficial use on or before July 10, 2004.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

**QUALIFICATIONS**

1. Water Permit No. 5864-3 authorizes a dam with storage capacity of 41.4 acre-feet of water and sufficient water annually to maintain the water level to the primary spillway (outlet) elevation.
2. Low flows as needed for downstream domestic use, including livestock water and prior water rights must be by-passed.

**WATER MANAGEMENT BOARD**

By:   
John Hatch, Chief Engineer  
Water Rights Program  
Department of Environment and Natural Resources

JUL 12 1995

\_\_\_\_\_  
date

## Supplemental Information

(type or print in ink)

### Well Information - Proposed Construction

- a) Drill Hole Diameter \_\_\_\_\_ Depth \_\_\_\_\_
- b) Casing Type \_\_\_\_\_ Diameter \_\_\_\_\_ Thickness \_\_\_\_\_
- c) Screen Type \_\_\_\_\_ Diameter \_\_\_\_\_ Thickness \_\_\_\_\_
- d) Gravel Pack Thickness \_\_\_\_\_ Length of Gravel Pack \_\_\_\_\_
- e) Depth to Top of Water Bearing Material \_\_\_\_\_
- f) Depth to Water (ground surface to water level) \_\_\_\_\_
- g) Distance to nearest existing domestic well:  
On applicants property \_\_\_\_\_ On property owned by others \_\_\_\_\_

### Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) \_\_\_\_\_
- b) System Capacity (gallons) \_\_\_\_\_ c) Year Constructed \_\_\_\_\_
- d) Connected to the City of \_\_\_\_\_ Sanitary System.

### Dugout Information

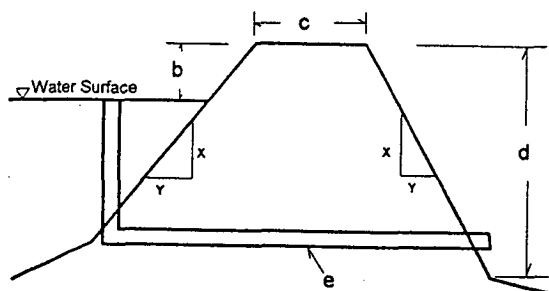
- a) Surface Dimensions \_\_\_\_\_ Depth \_\_\_\_\_
- b) Depth to water (ground surface to water level) \_\_\_\_\_

### Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

Kevin Paulsen (WRCS)  
316 So. Coteau  
Pierre, So. Dak.



- b) Freeboard 7.5'
- c) Crest Width 12.0'  
Crest Length 287'
- d) Height 18.5'
- e) Primary Outlet Capacity \_\_\_\_\_  
If pipe, diameter 24"
- f) Secondary Spillway Capacity \_\_\_\_\_  
Spillway Width 97.0'
- g) X & Y Slope  
Upstream 3:1  
Downstream 3:1
- h) Surface Area of Impoundment 5.0 Ac.
- i) Storage 41.4 Acre Feet
- j) Drainage Area Above Dam 2,300 Acres

LOCATION NOTICE  
FOR DAM/DUGOUT

Mail to: Water Rights Div.  
DENR, Foss Bldg.  
523 E. Capitol  
Pierre, SD 57501-3181  
(605) 773-3352

Hughes Co.  
County

Location Notice No. (Office Use)

I, Kip Krull, of \_\_\_\_\_  
Name

20834 318th Ave. Harold, So. Dak 57536  
Address & Zip Code County

(check one) ☒ owner, \_\_\_\_\_ operator, of the following described land, do hereby notify the Water Management Board of the State of South Dakota and all others concerned that I am exercising my right under SDCL 46-4, for construction of a (check one) ☒ dam, \_\_\_\_\_ dugout for the purpose of impounding runoff waters for livestock purposes.  
(type of use - livestock, recreation, etc.)

The following data is presented in compliance with SDCL 46-4-3 and 46-4-4.

(1) Date of:

(a) This notice 4-17-94

(b) Proposed construction 6-9

(2) Legal description of the land upon which the dam/dugout is located:

N 1/2 NE 1/4 Sec. 32 T.110N. R.74W.  
(describe to the nearest 40 acre subdivision)

(3) Location of the dam/dugout from a section corner:

800' south and 1980' West of the NE corner of Sec 32  
(describe distance N.S.E.W. in feet from the corner)

(4) County Hughes

(5) Name of landowner Kip Krull

(6) Acre feet of water claimed annually 41 Ac. Ft.

Notes: If the storage of the proposed structure at the spillway crest or overflow elevation exceeds twenty five (25) acre feet, a water permit from the Water Management Board is required.

A location notice is required on a dugout only if the dugout captures surface waters.

\*\*Continue on other side\*\*

# Plans & Specs Review Kip Krull Dam

5-8-95 LB

Top of Dam elev. 100.0 local datum

primary Outlet 92.5

emergency Spillway 97.0

emergency spillway width 97.0 feet

emankment ht. 23.0'

primary outlet 6' of 36" riser, 110' of 24" pipe slope = 7.7%

## U.S.G.S. Tech. for estimating flood peaks:

drainage area = 2300 acres = 3.5938 mi<sup>2</sup>

$Q_{25} = 83.4 A^{0.60} S^{0.44} S_i^{-0.72}$   $S_i$  = Soil Infiltration Index

$Q_{25} = 83.4 (3.59)^{0.6} (52.8)^{0.44} (3.51)^{-0.72}$   $S = .015$   
 = 416 cfs. = 52.8 in./mi.

$Q_{100} = 810$  cfs

## Primary Spillway Capacity

110' of 24" pipe •  $S = .077\%$

$n = 0.027$

$$Q = 0.56490 \sqrt{\frac{2gH}{1 + K_m + K_p L}} = 6.2832( )$$

$H = 92.5 - 79 = 13.5$

$Q = 72.4$

$K_p = .0459$

Flowmaster:

$K_m = 0.5$   entrance

$Q_{max} @ .94D = 32.51$  cfs

$Q_{Full} = 30.22$  cfs

## Emergency Spillway

$$Q = CLH^{3/2}$$

= 2.6 (97) (3)<sup>3/2</sup> = 1310.5 cfs

Total Capacity = 30 + 1310 = 1340 cfs > 846 ∴ O.K.

65 @ top of pipe  
 90 @ top of dam  
 63 to 90 cfs  
 depends on depth  
 of water

Section 74:02:08:09

- |                        |     |
|------------------------|-----|
| 1. Topo Map            | OK  |
| 2. Dam Axis Profile    |     |
| 3. Dam X-sec.          | OK  |
| 4. Area Capacity Curve |     |
| 5. Outlet Details      | OK  |
| 6. Spillway rating     | OK  |
| 7. Spillway detail     | OK  |
| 8. Specs.              | OK  |
| 9. EPP                 | N/A |

# RECEIPT

414484

## Division of Water Rights

### South Dakota Department of Environment and Natural Resources

Pierre, \_\_\_\_\_ April 24, 1995

RECEIVED OF Keith Krull (for Kip Krull), 20850 318th Ave., Harrold, SD 57536

the following amount in fees for services rendered as provided for by law:

|                                                                                                                              |        |
|------------------------------------------------------------------------------------------------------------------------------|--------|
| Fee for Application for Permit No. <u>5864-3</u> to Appropriate Water, to construct and to put water to beneficial use _____ | 15000  |
| Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____                                          |        |
| Fee to retain Future Use Permit No. _____ after period of seven years.                                                       |        |
| Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____                          |        |
| Fee for Filing Transfer Form _____                                                                                           |        |
| Fee for Filing Extension Request _____                                                                                       |        |
| Fee for _____                                                                                                                |        |
| _____                                                                                                                        |        |
| _____                                                                                                                        |        |
| (Any Other Work Provided by Law)                                                                                             |        |
| <b>Total</b>                                                                                                                 | 150 00 |

By John Hatch Chief Engineer

## Version 2.00

Date: 02-14-95  
Date:

| Storm Number                             | 1     | 2     | 3     | 4     | 5     | 6     |
|------------------------------------------|-------|-------|-------|-------|-------|-------|
| Frequency (yrs)                          | 2     | 5     | 10    | 25    | 50    | 100   |
| 24-Hr Rainfall (in)                      | 2.2   | 3.0   | 3.5   | 4.1   | 4.5   | 5.1   |
| Ia/P Ratio                               | 0.27  | 0.20  | 0.17  | 0.15  | 0.13  | 0.12  |
| Runoff (in)                              | 0.56  | 1.07  | 1.43  | 1.89  | 2.21  | 2.71  |
| Unit Peak Discharge<br>(cfs/acre/in)     | 0.106 | 0.111 | 0.113 | 0.115 | 0.116 | 0.117 |
| Pond and Swamp Factor<br>0.0% Ponds Used | 1.00  | 1.00  | 1.00  | 1.00  | 1.00  | 1.00  |
| Peak Discharge (cfs)                     | 139   | 280   | 381   | 512   | 603   | 746   |

\* - Value(s) provided from TR-55 system routines

routines

005  
V = 9.25  
Pw = 115.97  
Front 115.97 0.87 1.23

101  
11.44  
115.97  
1.23

01  
5185  
105  
25.9

23212526272829



## TIME OF CONCENTRATION AND TRAVEL TIME

Version 2.00

Project : KIP KRULL DAM  
 County : HUGHES  
 Subtitle:

State: SD

User: JAR  
 Checked: \_\_\_\_\_

Date: 02-14-95  
 Date: \_\_\_\_\_

| Flow Type         | 2 year<br>rain | Length<br>(ft) | Slope<br>(ft/ft) | Surface<br>code | n | Area<br>(sq/ft) | Wp<br>(ft) | Velocity<br>(ft/sec) | Time<br>(hr) |
|-------------------|----------------|----------------|------------------|-----------------|---|-----------------|------------|----------------------|--------------|
| Sheet             | 2.2            | 150            | .01              | J               |   |                 |            |                      | 0.321        |
| Sheet             |                | 150            | .01              | J               |   |                 |            |                      | 0.321        |
| Shallow Concent'd |                | 1000           | .005             | U               |   |                 |            |                      | 0.243        |
| Shallow Concent'd |                | 1000           | .005             | U               |   |                 |            |                      | 0.243        |
| Open Channel      |                | 11850          |                  |                 |   |                 |            | 1                    | 3.292        |
| Open Channel      |                | 11850          |                  |                 |   |                 |            | 1                    | 3.292        |

Time of Concentration = 7.71\*  
 =====

## --- Sheet Flow Surface Codes ---

|                          |                  |
|--------------------------|------------------|
| A Smooth Surface         | F Grass, Dense   |
| B Fallow (No Res.)       | G Grass, Burmuda |
| C Cultivated < 20 % Res. | H Woods, Light   |
| D Cultivated > 20 % Res. | I Woods, Dense   |
| E Grass-Range, Short     | J Range, Natural |

--- Shallow Concentrated ---  
 --- Surface Codes ---  
 P Paved  
 U Unpaved

\* - Generated for use by GRAPHIC method



## Version 2.00

Date: 02-14-95  
Date: \_\_\_\_\_

Time of Concentration = 7.71\*  
=====

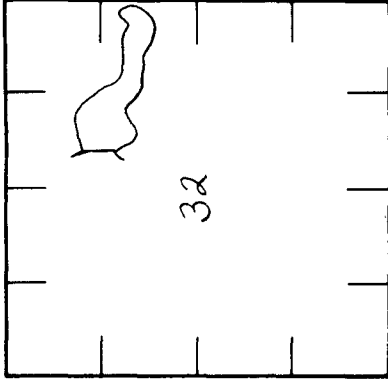
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--- Shallow Concentrated ---
--- Surface Codes ---
    P Paved
    U Unpaved

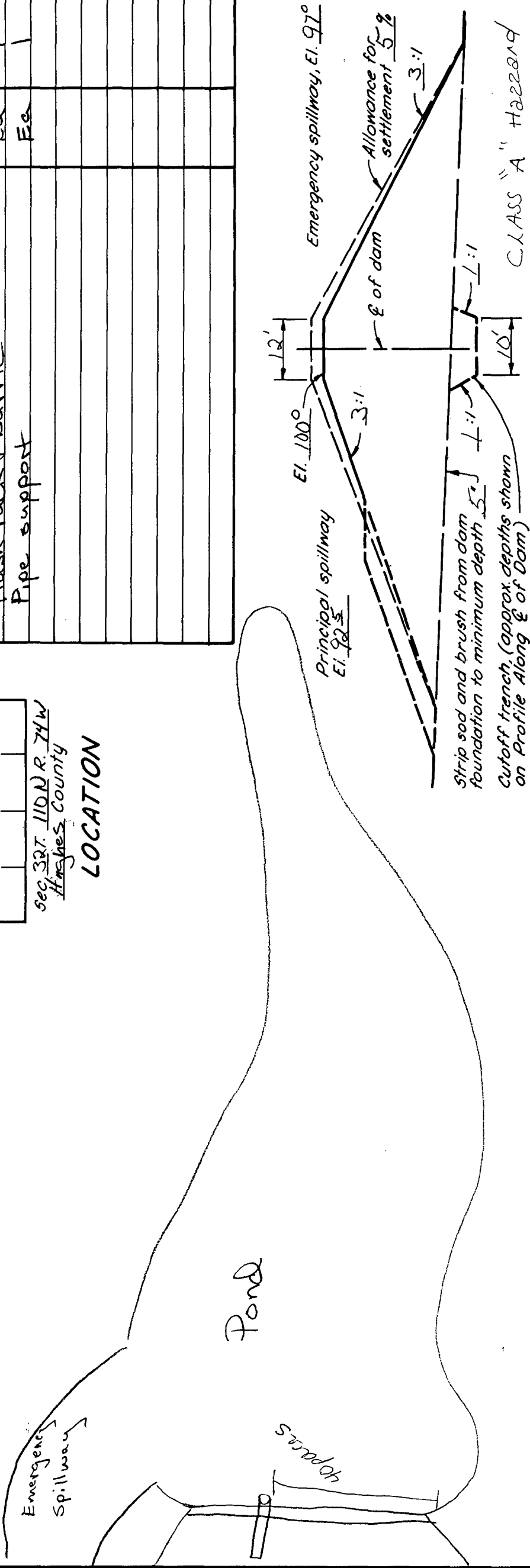
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## STRUCTURE DATA

| DRAINAGE AREA | ANNUAL YIELD | PEAK RUNOFF | EMERG. SPLWY. CAPACITY | "WATER DEPTH | SURFACE AREA | SEDIMENT STORAGE | TOTAL STORAGE |
|---------------|--------------|-------------|------------------------|--------------|--------------|------------------|---------------|
| ACRES         | AC.FT.       | 25-VR.      | C.F.S.                 | FEET         | ACRES        | AC.FT.           | AC.FT.        |
| 2,300         | 110          |             | 5/2                    | 12.5         | 5.0          |                  | 41            |



sec. 32T. 110N R. 74W  
Hingham County  
LOCATION

[illegible]

**TYPICAL CROSS SECTION OF DAM**

**S.D. CONSTRUCTION AND MATERIAL SPECIFICATIONS:**

**EARTH DAM**

SD-1 Clessing  
SD-7s Earth Fill Class-S  
SD-16p Timber Fabrication + Installation  
SD-55 Plastic Pipe  
attached specs on dual-wall PE pipe

OPERATOR: Kip Knull  
CONSERVATION DISTRICT: Hughes Co.

**U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE**

|          |            |      |       |             |                                                         |
|----------|------------|------|-------|-------------|---------------------------------------------------------|
| Checked  | of         | No.  | Sheet | Drawing No. | Title                                                   |
|          |            |      |       |             |                                                         |
| Traced   | of         | No.  | Sheet | Drawing No. | Title                                                   |
|          |            |      |       |             |                                                         |
| Designed | K. Paulsen | Date | 2-95  | Approved    | Off. <i>K. Paulsen</i><br>By <i>K. Paulsen</i><br>Title |
| Drawn    | K. Paulsen | Date | 2-95  |             |                                                         |

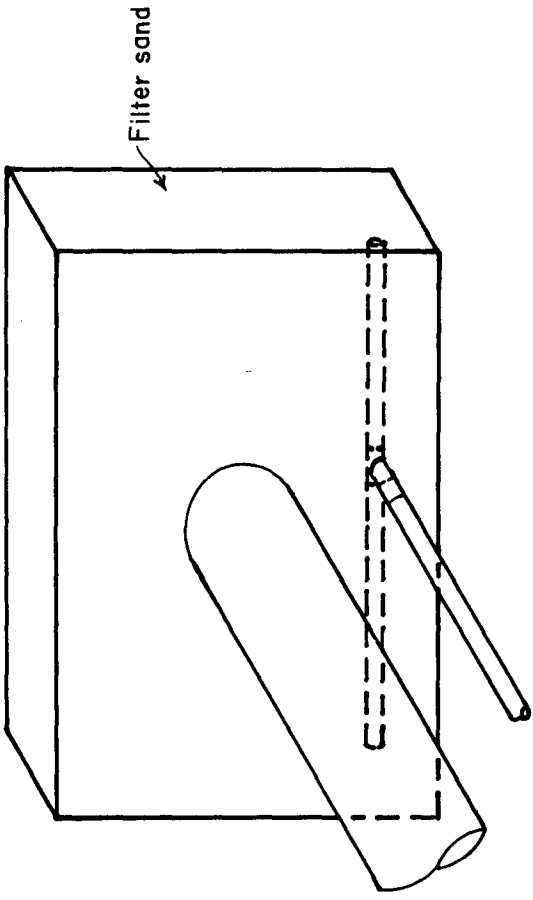
**SKETCH PLAN OF DAM AND RESERVOIR AREA**

Approximate scale 1" = NA

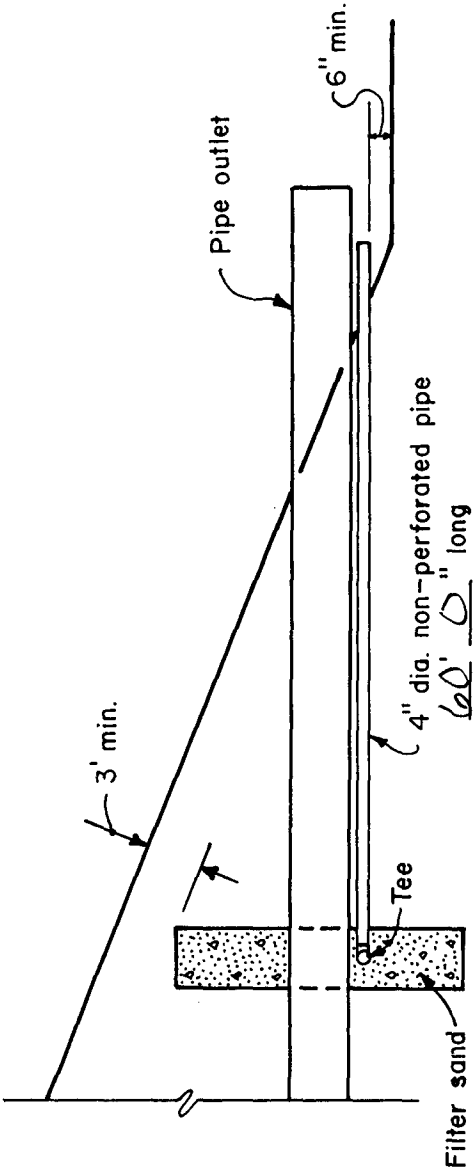
**REFERENCE: GUIDE PLAN NO. 1.0**

**JOB PLAN NO. 1.0**

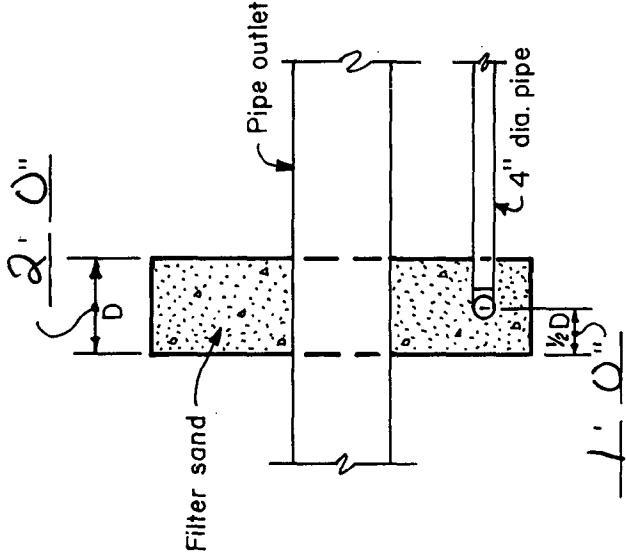
| Date     | Approved By | Sheet |    |
|----------|-------------|-------|----|
|          | Title       | No    | of |
| Designed |             |       |    |
| Drawn    |             |       |    |
| Traced   |             |       |    |
| Checked  |             |       |    |



ISOMETRIC VIEW

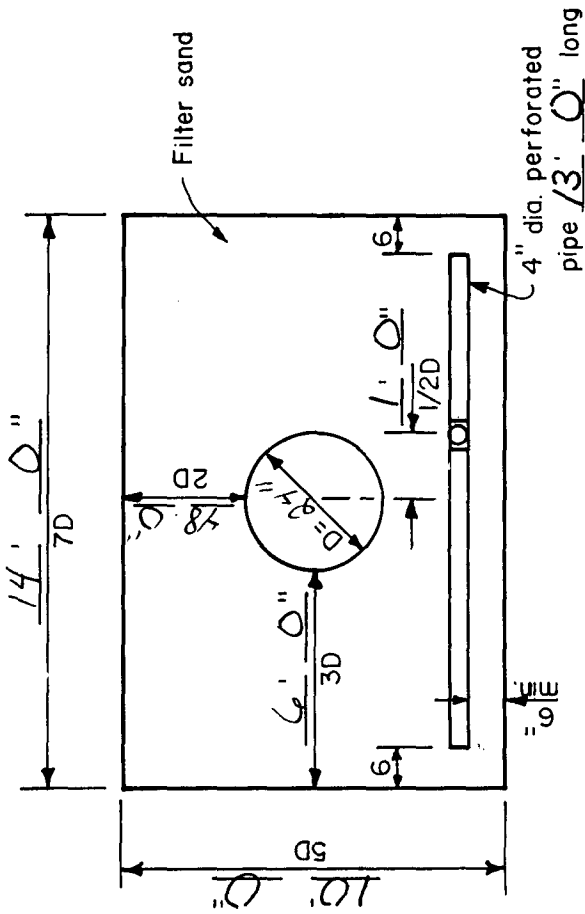


OUTLET DETAIL



SIDE VIEW

| FILTER GRADATION |                 |
|------------------|-----------------|
| SIEVE SIZE       | PERCENT PASSING |
| 3/8"             | 100             |
| 4                | 95-100          |
| 8                | 80-100          |
| 16               | 50-85           |
| 30               | 25-60           |
| 50               | 10-30           |
| 100              | 2-10            |



UPSTREAM VIEW

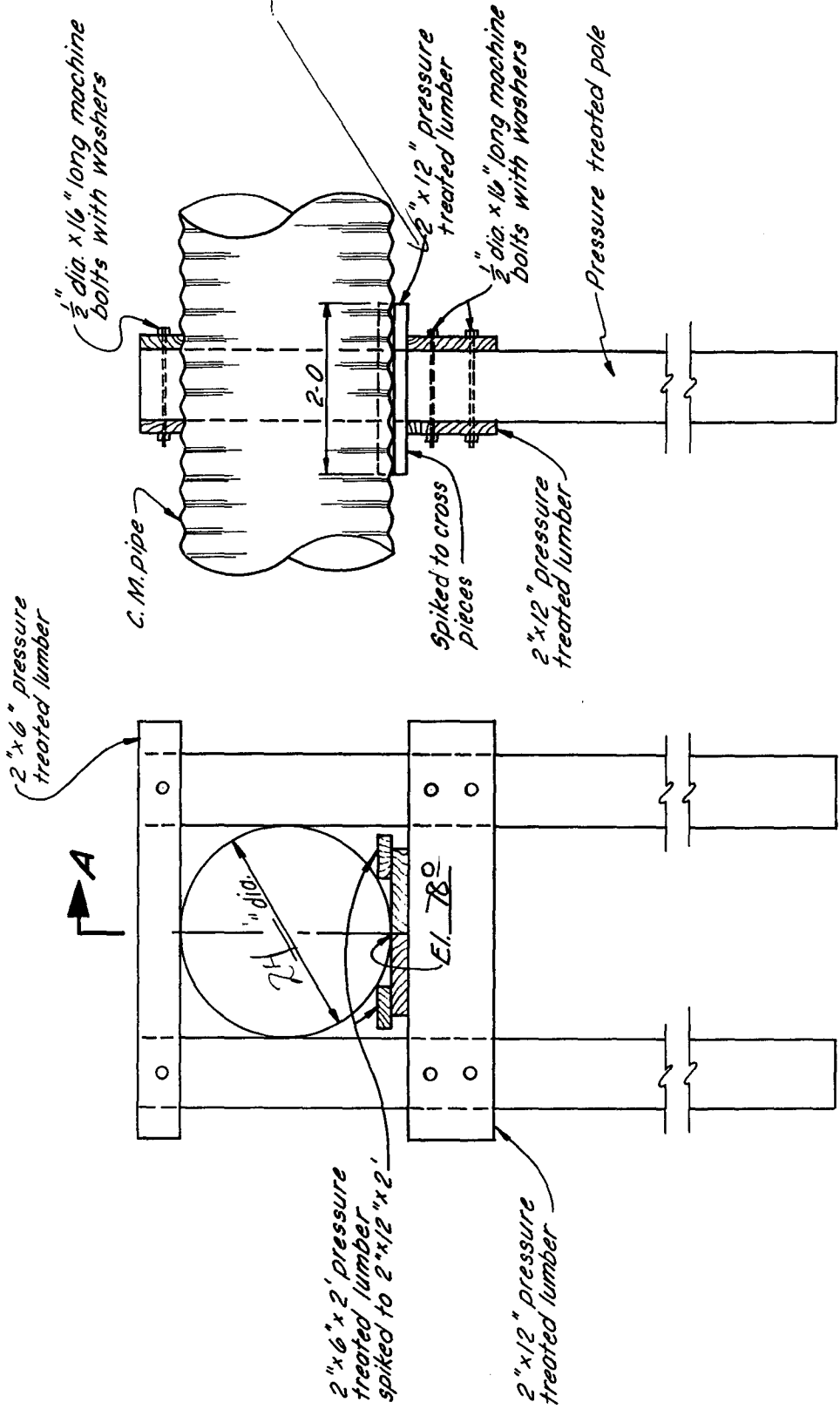
NOTE:

1. THE 4" DIA. PIPE SHALL BE ASTM D1785, SCHEDULE 40, PVC.
2. PROVIDE AN ANIMAL GUARD ON DRAIN OUTLET PIPE. DRILL 2, 1/2" DIA. HOLES, ON 6" FROM END OF PIPE AND PLACE A 3/8" DIA., 5 1/2" LONG GALVANIZED STEEL BOLT THRU THEM AND SECURE WITH A NUT (PLACE BOLT HORIZONTAL).

Sec. 32, T. 110N, R. 74W  
Hughes County  
LOCATION

SAND ANTISEEP COLLAR

|                                                              |                    |                               |
|--------------------------------------------------------------|--------------------|-------------------------------|
| OPERATOR <u>Kip Kroll</u>                                    | Date <u>2-95</u>   | Approved by <u>K. Paulsen</u> |
| CONSERVATION DISTRICT <u>Hughes Co.</u>                      | Title <u>2-95</u>  | Checked <u>K. Paulsen</u>     |
| U. S. DEPARTMENT OF AGRICULTURE<br>SOIL CONSERVATION SERVICE | Traced <u>2-95</u> | Sheet <u>2-95</u>             |
|                                                              | No. <u>2-95</u>    | Drawing No. <u>2-95</u>       |
|                                                              | of <u>2-95</u>     |                               |



NOTE: For PE pipe extend timber under pipe to outlet end of pipe.

NOTES:

1. HAND OR MACHINE TAMP BACKFILL THOROUGHLY AROUND FOOTINGS AND COLUMNS.



ELEVATION

SECTIONAL ELEVATION A-A

TABLE OF QUANTITIES

| ITEM                              | LENGTH FOR 24" DIA. PE PIPE | UNIT | QUANTITY |
|-----------------------------------|-----------------------------|------|----------|
| PRESSURE TREATED POLE 10" DIA.    | 10-0                        | EACH | 2        |
| 2" X 12" PRESSURE TREATED LUMBER  | 4-0                         | EACH | 6        |
| 2" X 6" PRESSURE TREATED LUMBER   | 4-0                         | EACH | 2        |
| 2" X 12" PRESSURE TREATED LUMBER  | 2-0                         | EACH | 3        |
| 2" X 6" PRESSURE TREATED LUMBER   | 2-0                         | EACH | 2        |
| 1/2" DIA. MACHINE BOLTS WITH NUTS |                             | EACH | 20       |
| 1/2" DIA. WASHERS                 |                             | EACH | 20       |

TIMBER PIPE SUPPORT

|                                                              |                    |
|--------------------------------------------------------------|--------------------|
| OPERATOR: <u>Kip Knull</u>                                   | Approved by: _____ |
| CONSERVATION DISTRICT: <u>Hughes Co.</u>                     | Title: _____       |
| U. S. DEPARTMENT OF AGRICULTURE<br>SOIL CONSERVATION SERVICE | Drawn: _____       |
| Designed: <u>K. Paulsen</u> Date: <u>2-95</u>                | Traced: _____      |
|                                                              | Sheet No. _____    |
|                                                              | Drawing No. _____  |
|                                                              | Checked: _____     |
|                                                              | of _____           |

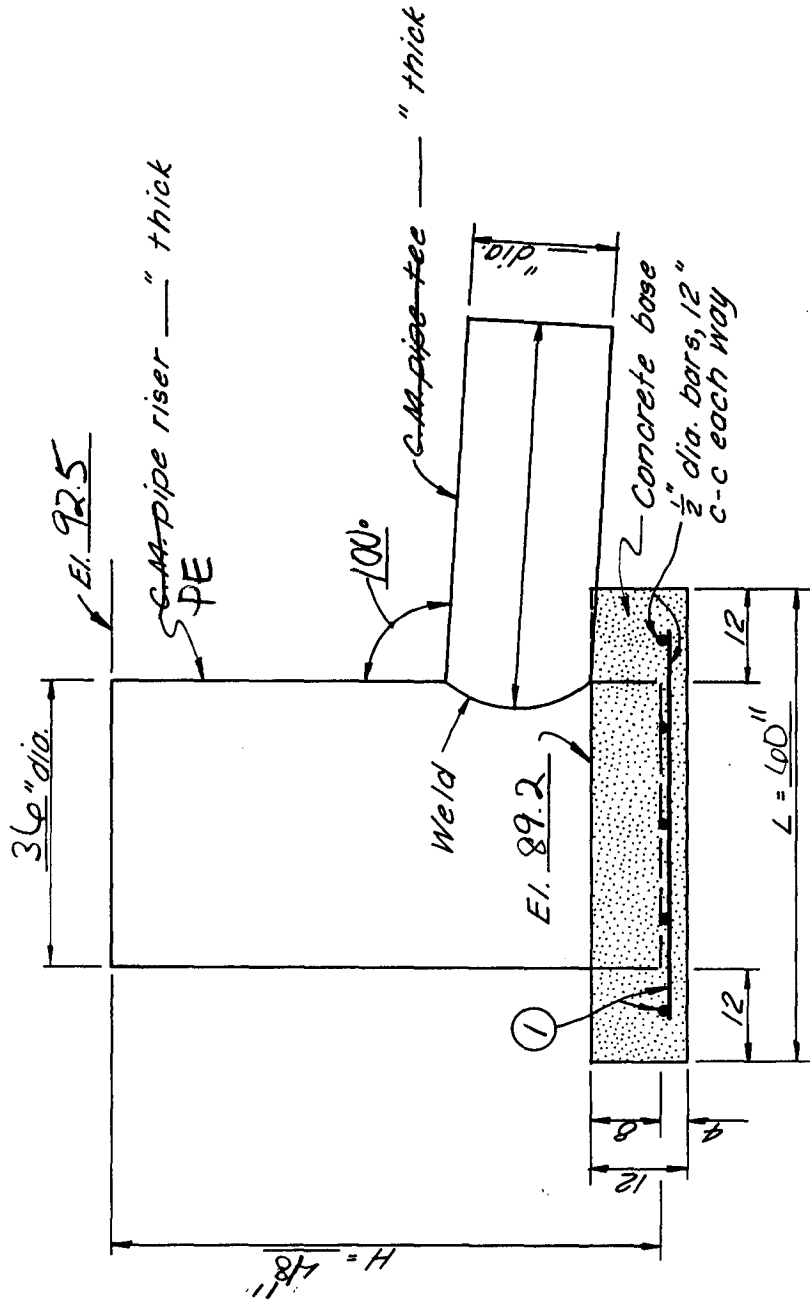
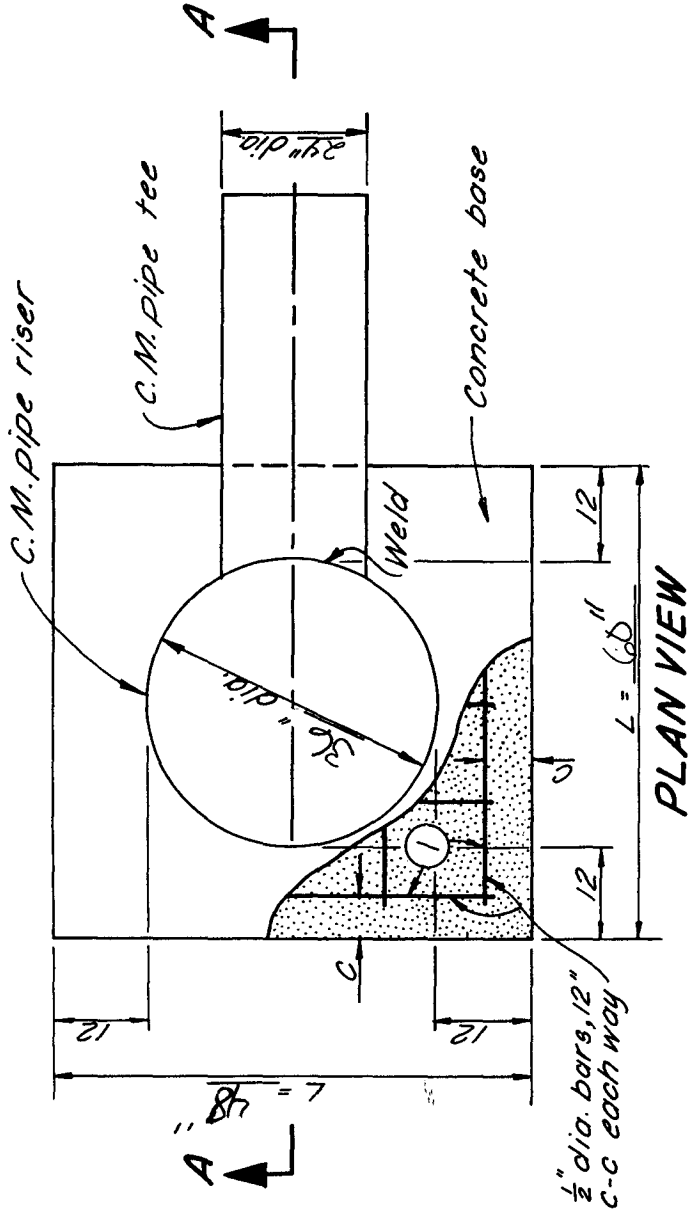
## STEEL SCHEDULE

| RISER DIA.<br>IN. | BAR SIZE | MARK | TYPE | NO.<br>REQ'D. | LENGTH<br>FT.-IN. | TOTAL<br>LENGTH<br>FT.-IN. | TOTAL<br>WT. LB. | C<br>IN. | L<br>FT.-IN. |
|-------------------|----------|------|------|---------------|-------------------|----------------------------|------------------|----------|--------------|
| 36                | 4        | 1    | STR. | 10            | 4-6               | 45-0                       | 30               | 6        | 5-0          |

## TABLE OF QUANTITIES

| ITEM              | UNIT   | QUANTITY |
|-------------------|--------|----------|
| CONCRETE          | CU.YD. | 1.0      |
| REINFORCING STEEL | LB.    |          |

**NOTE:**



PE Pipe  
~~GAL. PIPE~~ RISER WITH  
FABRICATED TEE

OPERATOR: Kip Krull  
CONSERVATION DISTRICT: Hughes Co.

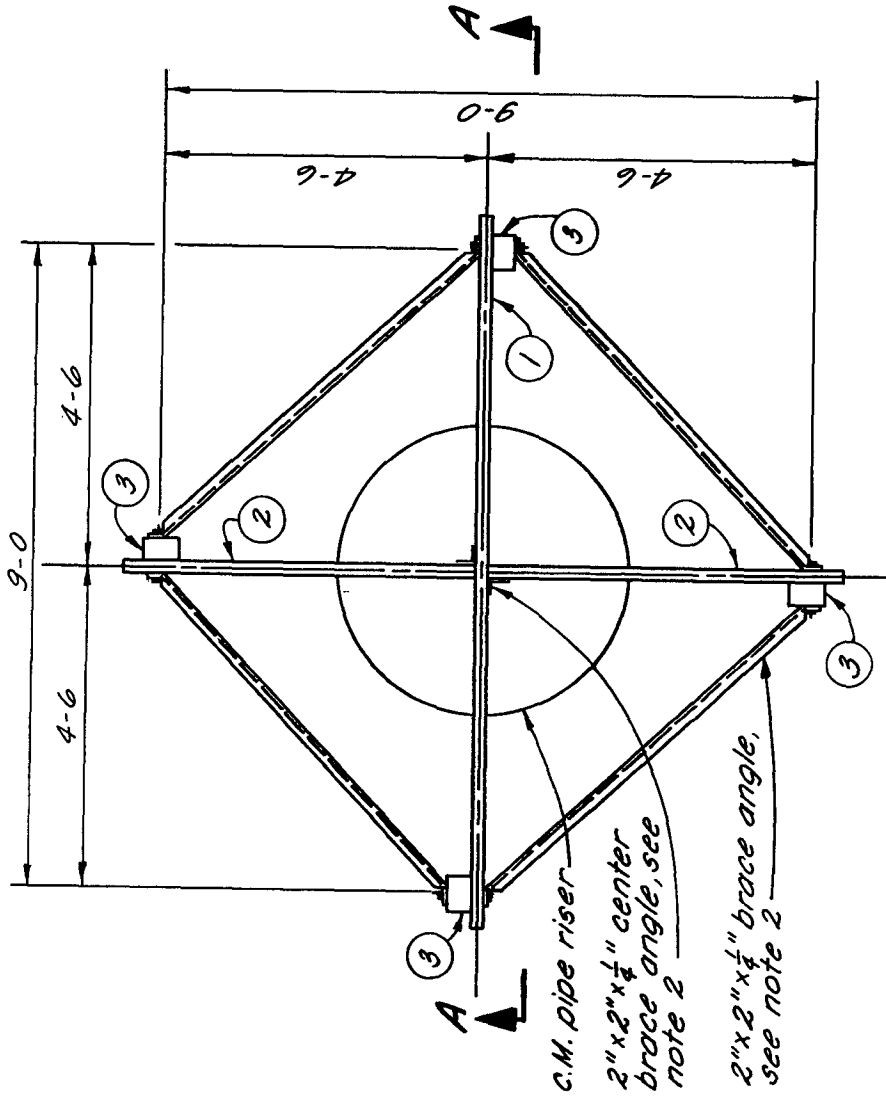
U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

|          |                   |      |             |             |  |
|----------|-------------------|------|-------------|-------------|--|
| Designed | <i>K. Paulsen</i> | Date | <i>2-95</i> | Approved by |  |
| Drawn    | <i>K. Paulsen</i> |      | <i>2-95</i> | Title       |  |
| Traced   |                   |      | Title       |             |  |
| Checked  |                   |      | Sheet       | Drawing No. |  |
|          |                   |      | No.         |             |  |
|          |                   |      | of          |             |  |

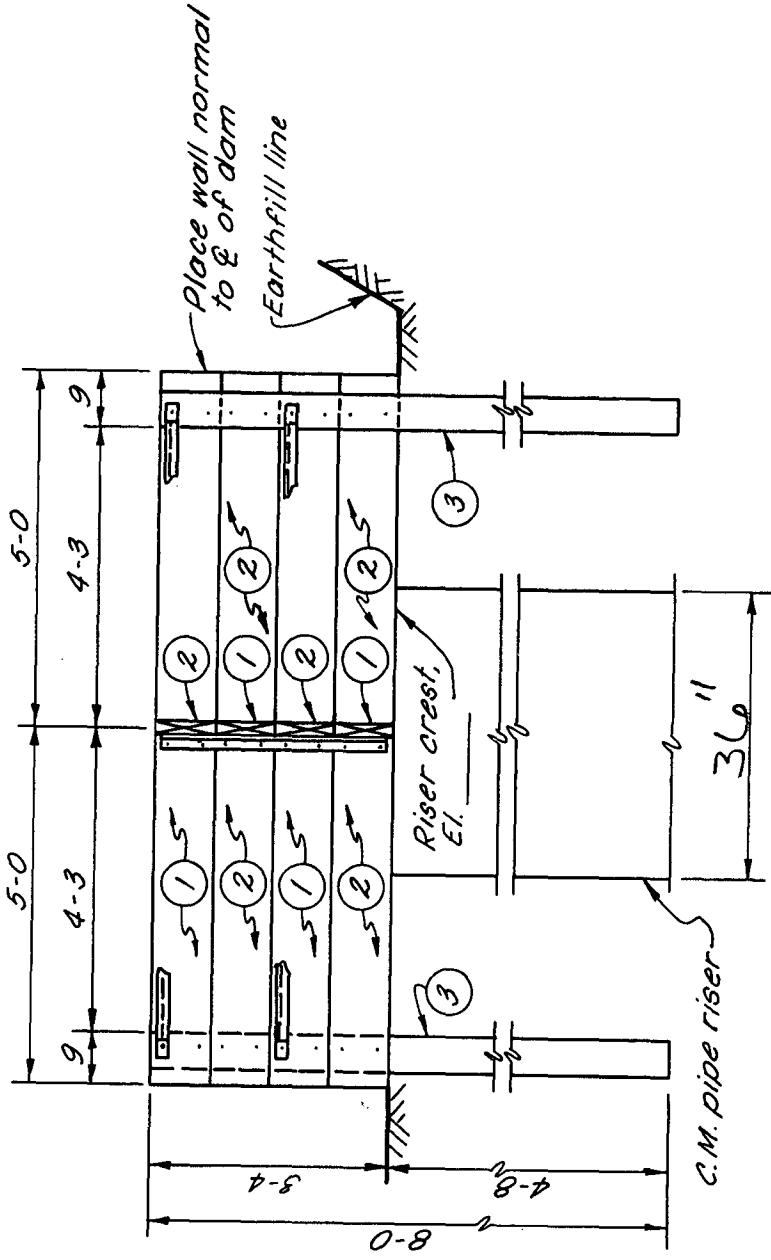
REFERENCE: GUIDE PLAN NO. 5.3

**JOB PLAN NO. 5.3**

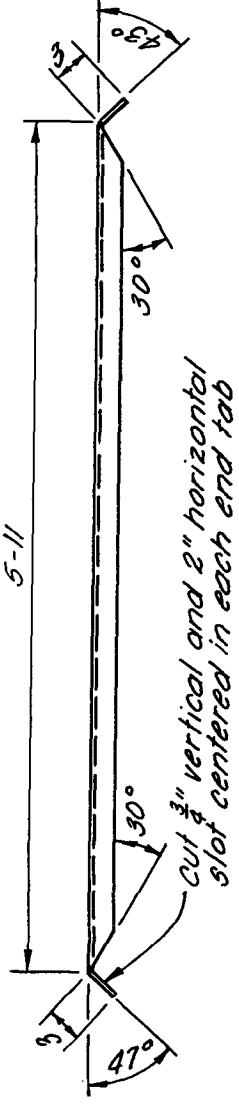
5.N-29,073.5-30



PLAN VIEW



SECTIONAL ELEVATION A-A



PLAN VIEW OF BRACE ANGLE

TABLE OF QUANTITIES

| ITEM                                      | MARK | NO. REQ'D. | QUANTITY  |
|-------------------------------------------|------|------------|-----------|
| 2" X 10" X 10' PRESSURE TREATED LUMBER    | 1    | 4          | 67 BD.FT. |
| 2" X 10" X 4'-11" PRESSURE TREATED LUMBER | 2    | 8          | 66 BD.FT. |
| 4" X 6" X 8' PRESSURE TREATED POST        | 3    | 4          | 64 BD.FT. |
| 2" X 2" X 1/4" X 6'-5" STEEL ANGLE        |      | 8          | 164 LB.   |
| 2" X 2" X 1/4" X 3'-2" STEEL ANGLE        |      | 2          | 20 LB.    |
| 5/8" X 8" STEEL BOLTS, NUTS, 2 WASHERS    |      | 32         | 32 SETS   |
| 1/2" X 3" STEEL BOLTS, NUTS, 2 WASHERS    |      | 32         | 32 SETS   |

NOTES:

1. TO 4" X 6" POSTS (4 REQUIRED) BOLT 2" X 10" BOARDS USING TWO 5/8" X 8" BOLTS PER 2" X 10" BOARD. DO NOT PLACE BOLTS CLOSER THAN 1 1/2" FROM EDGE OF BOARD.
2. FOR CENTER BRACE ANGLES DRILL 8 - 9/16" HOLES 5/8" FROM OUTER EDGE OF EACH LEG OF EACH ANGLE AND CENTERED 5 1/4" APART ALONG THE LEG.
3. ATTACH BRACE ANGLES TO TOP BOLT ON TOP 2" X 10" BOARD AND TO TOP BOLT ON NEXT TO BOTTOM BOARD.

TRASH RACK AND BAFFLE  
FOR RISER DIA. 36" THRU 60"

|                                                              |                    |
|--------------------------------------------------------------|--------------------|
| OPERATOR: <u>Kip Krell</u>                                   |                    |
| CONSERVATION DISTRICT: <u>Hughes Co.</u>                     |                    |
| U. S. DEPARTMENT OF AGRICULTURE<br>SOIL CONSERVATION SERVICE |                    |
| Designed: <u>K. Paulsen</u>                                  | Date: <u>2-95</u>  |
| Drawn: <u>K. Paulsen</u>                                     | Title: <u>2-95</u> |
| Traced: _____                                                | Sheet: _____       |
| Checked: _____                                               | Drawing No.: _____ |

JOB PLAN NO. 6.4

5, N-29, 073.6-40

**Report for Application No. 5864-3**

**Kip Krull**

**May 11, 1995**

This application is for storage of 41.4 acre-feet of water from local runoff by constructing a dam located in the W 1/2 NE 1/4 Section 32 and water will be impounded in the NE 1/4 Section 32; all in T110N-R74W. This application requests appropriation of sufficient water annually to maintain the water level in the dam at the primary spillway (outlet) elevation. The water is to be used for fish and wildlife production and livestock watering.

Discussion:

According to the hazard classification submitted with the application, the dam is a category 3, small size dam. A "Category 3 dam" is a low hazard dam whose failure may cause limited damage to agricultural lands or county and township roads or minimum economic loss. The dam will be 23 feet high (effective height of 20 feet) with a storage capacity of 41.4 acre-feet to the primary outlet elevation. The spillway is required to have a minimum capacity of passing a 25-year frequency event based on Safety of Dams Rule 74:02:08:07:01.

The drainage area of the proposed dam is 3.59 square miles (2300 acres) and has a peak inflow from a 25-year frequency event of 416 cubic feet of water per second (cfs). The dam is designed with a 97 foot wide emergency spillway with a capacity of 1310 cfs, and a primary outlet with a capacity of 90 cfs. The combined capacity exceeds the 100-year frequency event.

The plans and specifications have been approved for this project; although, construction can not start until Water Permit Application No. 5864-3 is approved. The primary spillway consists of a 36 inch diameter corrugated metal pipe overflow riser with a 110 foot, 24 inch, corrugated metal pipe barrel. A 97 foot wide earthen channel will operate as the emergency spillway.

The Kip Krull dam will be located on a tributary of South Chapelle Creek about 29 miles east of Pierre on state highway 34 and 1 mi. north of state highway 34. There are no existing water rights on the drainage downstream of the proposed dam.

Conclusions:

1. Water Permit Application No. 5864-3 should be approved since unappropriated water is available and approval will not have any adverse effects on existing Water Permits/Rights.

2. If approved, the low flow bypass requirement for downstream domestic use should be a qualification on Water Permit Application No. 5864-3.



Lynn Beck  
Natural Resources Engineer III

Approved by:



Gale N. Selken, P.E.  
Natural Resources Engineer IV

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT  
APPLICATION NO. 5864-3, Kip Krull**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Environment and Natural Resources concerning Water Permit Application No. 5864-3, Kip Krull, 20834 318th Avenue, Harrold, SD 57536.

The Chief Engineer is recommending APPROVAL of Application No. 5864-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

1. Water Permit No. 5864-3 authorizes a dam with storage capacity of 41.4 acre-feet of water and sufficient water annually to maintain the water level to the primary spillway (outlet) elevation.
2. Low flows as needed for downstream domestic use, including livestock water and prior water rights must be by-passed.

See report on application for additional information.

  
For JOHN HATCH, Chief Engineer  
June 14, 1995



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3181

NOTE: TO BE SURE OF PUBLICATION ON  
THE CORRECT DATES, CONTACT  
THE NEWSPAPER RIGHT AWAY.

June 16, 1995

Keith Krull  
20850 318th Avenue  
Harrold, SD 57536

Kip Krull  
20834 318th Avenue  
Harrold, SD 57536

Dear Mr. Krull:

Water Permit Application Nos. 5863-3 and 5864-3 for fish & wildlife and livestock watering use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Capital Journal printed at Pierre, SD (Ph # 605-224-7301). For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on your application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

One of you needs to contact the above newspaper to authorize publication of the Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund  
Natural Resources Engineer  
605 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3181

June 16, 1995

Capital Journal  
PO Box 878  
Pierre, SD 57501-0878

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application Nos. 5863-3 and 5864-3 to be published twice. Please publish the first notice on June 23, 1995, with the second publication 7 days later.

The APPLICANTS MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you make the first publication. Please BILL the APPLICANTS for the cost of publication. The APPLICANTS are Keith Krull (No. 5863-3), 20850 318th Avenue, Harrold, SD 57536 (Ph # 605-875-3356) and Kip Krull (No. 5864-3), 20834 318th Avenue, Harrold, SD 57536 (Ph # 605-875-3349).

A copy of BOTH publications must be SENT to the WATER RIGHTS DIVISION. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicants costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. No action may be taken on the permit application until proof of publication has been received.

Sincerely,

  
Eric Gronlund  
Natural Resources Engineer  
605 773-3352

enclosures

-----CUT HERE-----

FIRST TRANSMITTAL NOTICE

TO: Eric Gronlund  
Water Rights Division  
Joe Foss Building  
Pierre SD 57501-3181

No. \_\_\_\_\_

Date \_\_\_\_\_

We are in receipt of your letter of \_\_\_\_\_ enclosing Notice of Hearing to Appropriate Water by Application No. \_\_\_\_\_ which was first published in our issue of \_\_\_\_\_. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

\_\_\_\_\_  
Name

\_\_\_\_\_  
Newspaper

Instruction to Newspaper - Publish first Notice on June 23, 1995, with the second publication 7 days later. The applicant is responsible for payment.

---

NOTICE OF APPLICATION NOS. 5863-3 and 5864-3 to Appropriate Water

Notice is given that Keith Krull, 20850 318th Avenue, Harrold, SD 57536 has filed an application for a water permit to impound 107.5 acre-feet of water from local runoff by constructing a dam located in the W 1/2 NE 1/4 Section 31 with water impounded in the W 1/2 NE 1/4, SE 1/4 NE 1/4 Section 31; all in T110N-R74W. This application requests appropriation of sufficient water annually to maintain the water level in the dam at the primary spillway (outlet) elevation. The water is to be used for fish and wildlife production and livestock watering.

Notice is given that Kip Krull, 20834 318th Avenue, Harrold, SD 57536 has filed an application for a water permit to impound 41.4 acre-feet of water from local runoff by constructing a dam located in the W 1/2 NE 1/4 Section 32 with water impounded in the NE 1/4 Section 32; all in T110N-R74W. This application requests appropriation of sufficient water annually to maintain the water level in the dam at the primary spillway (outlet) elevation. The water is to be used for fish and wildlife production and livestock watering.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 5863-3 and 5864-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the chief engineer will act on the applications, as recommended, unless a petition is filed opposing the applications or the applicants file a petition contesting the chief engineer's recommendations. If a petition opposing the applications or contesting the recommendations is filed, then a hearing will be scheduled and the Water Management Board will consider the applications. Notice of the hearing will be given to the applicants and any person filing a petition.

Any person interested in opposing or supporting these applications or recommendations must file a written petition with the applicants and chief engineer. The applicants must file a petition if contesting the chief engineer's recommendations. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicants' mailing address is given above. A petition filed by either an interested person or the applicants must be filed by July 10, 1995.

The petition may be informal, but must include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Division address to request copies of information pertaining to these applications. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.

## PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA )  
 County of Hughes ) SS

I, Peggy Warner

certify that the attached printed Notice was

taken from the \_\_\_\_\_

Capital Journal

printed and published in Pierre

County of Hughes and State of

South Dakota. The notice was published in  
 the newspaper on the following two dates:

June 23, 1995

June 30, 1995

Cost of Printing: \$46.92

Peggy Warner  
 (Signature)

Legal Ad Representative  
 (Title)

July 3, 1995  
 (Date Signed)



NO. 5513  
 2tdly 6/23, 6/30

**NOTICE OF APPLICATION  
 NOS. 5863-3 and 5864-3  
 to Appropriate Water**

Notice is given that Keith Krull, 20850 318th Avenue, Harrold, SD 57536 has filed an application for a water permit to impound 107.5 acre-feet of water from local runoff by constructing a dam located in the W 1/2 NE 1/4 Section 31 with water impounded in the W 1/2 NE 1/4, SE 1/4 NE 1/4 Section 31; all in T110N-R74W. This application requests appropriation of sufficient water annually to maintain the water level in the dam at the primary spillway (outlet) elevation. The water is to be used for fish and wildlife production and livestock watering.

Notice is given that Kip Krull, 20834 318th Avenue, Harrold, SD 57536, has filed an application for water permit to impound 41.4 acre-feet of water from local runoff by constructing a dam located in the W 1/2 NE 1/4 Section 32 with water impounded in the NE 1/4 Section 32; all in T110N-R74W. This application requests appropriation of sufficient water annually to maintain the water level in the dam at the primary spillway (outlet) elevation. The water is to be used for fish and wildlife production and livestock watering.

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JUL 12 1995

**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3181

Kip Krull  
20834 318th Avenue  
Harrold, SD 57536

Dear Mr. Krull:

Enclosed is Water Permit No. 5864-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Also enclosed is Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that the Water License may be issued, thus completing your acquisition of a Water Right.

Very truly yours,

JOHN HATCH, Chief Engineer  
Water Rights Program  
605 773-3352

enclosures

**PLEASE NOTE:** Certain changes can be made in your permit within the five year construction period, usually without affecting the priority date provided an application to amend your permit is made within the five year period - i.e. changes in location or number of diversion points (wells) or location of land to be irrigated. Well locations for wells into the same aquifer can be moved up to 660 feet without application.

Applications to amend a permit after the five year construction period will be assigned a new priority date. Applications to change water sources, to add lands or increase original diversion rates, if approved will usually receive the date of the new application as a priority date regardless of the five year construction period.



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3181  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

January 20, 2000

5863-3  
5864-3

Kip Krull  
20850 318<sup>th</sup> Ave.  
Harrold, SD 57536

Dear Mr. Krull:

The investigation of your water use systems was conducted on September 10, 1999, by Lynn Beck, staff engineer. The investigation included the extent of application of water to beneficial use, as developed under Water Permit Nos. 5863-3 and 5864-3. Your final water right documents, the Water Licenses, can now be issued.

Statutes require that we charge a \$50.00 fee per license (\$100.00 total) for the investigation and issuance of the Water Licenses. Upon receipt of the \$50.00 fee per license (\$100.00 total) from you, we will begin processing your Water Licenses.

**Please remit fee to:**  
**Department of Environment & Natural Resources**  
**Water Rights Program**  
**523 E. Capitol**  
**Pierre, SD 57501-3181**

Sincerely,

Cheryl F. Frost  
Secretary  
Water Rights Program  
(605) 773-3352

NOTE: On check or money order, please specify your permit numbers. This will insure proper handling of the fee.



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3181  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

April 26, 2000

Permit Nos. 5863-3  
5864-3

**REMINDER NOTICE**

TO: Kip Krull  
20850 318<sup>th</sup> Ave.  
Harrold, SD 57536

FROM: Garland Erbele, Chief Engineer  
Water Rights Program *Garland Erbele*

SUBJECT: Water License/Investigation Fee Requirement

On January 20, 2000, we advised you that a \$50.00 fee per license (\$100.00 total) is due for the completed investigation of Water Permit Nos. 5863-3 and 5864-3. The fee also covers issuance of your water licenses which are the final documents in obtaining and perfecting a water right.

To date, we have not received the \$50.00 fee per license (\$100.00 total); therefore, we can not issue the water licenses. Your licensed water rights will be similar to a property right that can not be lost as long as the water use continues and you abide by any permit requirements.

Please remit the fee as soon as possible to obtain your water licenses. In addition, South Dakota water law does not allow water to be diverted until the license fees are paid. To avoid jeopardizing your ability to use water, please send the fee to the following address:

Department of Environment and Natural Resources  
Water Rights Program  
523 E Capitol  
Pierre SD 57501-3181

Thank you for your prompt response. If you have any questions or believe our records are in error, please contact Genny McMath at (605) 773-3352.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

**3. Article Addressed to:**

Kip Krull  
20850 318th Ave.  
Harrold, SD 57536

5863-3  
5864-3

**4a. Article Number**

P 422 707 501

**4b. Service Type**

- |                                                         |                                               |
|---------------------------------------------------------|-----------------------------------------------|
| <input type="checkbox"/> Registered                     | <input checked="" type="checkbox"/> Certified |
| <input type="checkbox"/> Express Mail                   | <input type="checkbox"/> Insured              |
| <input type="checkbox"/> Return Receipt for Merchandise | <input type="checkbox"/> COD                  |

**7. Date of Delivery**

4-29-00

**5. Received By: (Print Name)**

Cooper R. Fung

**6. Signature: (Addressee or Agent)**

X 

**8. Addressee's Address (Only if requested and fee is paid)**

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

# RECEIPT

## Water Rights Program

South Dakota Department of Environment and Natural Resources

ND 416496

Pierre, \_\_\_\_\_ May 4, 2000

RECEIVED OF Kip Krull, 20834 - 318th Ave., Harrold, SD 57536-9516  
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. \_\_\_\_\_ to Appropriate Water, to construct  
and to put water to beneficial use \_\_\_\_\_

Fee for Application for Permit No. \_\_\_\_\_ to Appropriate Water, for Future  
Use \_\_\_\_\_

Fee to retain Future Use Permit No. \_\_\_\_\_ after period of seven years.

Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water  
License No. 5864-3

50 00

Fee for Filing Transfer Form \_\_\_\_\_

Fee for Filing Extension Request \_\_\_\_\_

Fee for \_\_\_\_\_

(Any Other Work Provided by Law)

Total

50 00

By Harold Esbelle  
Chief Engineer

**Permit No. 5864-3**  
**Missouri River - Water District**

**Report Of Examination Of Works And/Or Application of Water To Beneficial Use**

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, **September 10, 1999** made a thorough examination of the water use system constructed by **Kip Krull** of **20834 318<sup>th</sup> Ave., Harrold, SD 57536** holder of Permit No. **5864-3**, bearing the priority of **April 24, 1995** authorizing the storage of **41.4** acre-feet of the waters of **local runoff** for **fish and wildlife production and livestock watering** purposes, in **Hughes** County.

I have to report on the conditions of the same as follows:

A. Works used to divert the water:

**Category 3, small size dam 287' long and 23' in height to crest and 15.5' to primary spillway. The primary spillway is a 36" riser with a 24" barrel all double walled black plastic. The secondary spillway is an earthen spillway 97' wide and 150' long.**

B. Works used to apply water to beneficial use:

**Same as above.**

The system is in the following condition **good**. The point of diversion is located **1386' W and 925' S of the NE corner Section 32, T110N, R74W**. The works are capable of diverting and storing **41.4** acre feet of water which is to be used for **fish and wildlife production and livestock watering**. Water has been put to beneficial use to the maximum extent as follows:

**Water is impounded behind the dam in the NW¼ NE¼ and the NE¼ NE¼ all in Section 32, T110N, R74W.**

the license should be issued for **41.4** acre-feet of storage.

Applicable permit qualifications have been complied with: **yes**

Exceptions to compliance are: **none**



Lynn Beck

Natural Resources Engineer

DENR, Water Rights Program

1-12-2000

Date

**REPORT ON INSPECTION OF PERMIT NO. 5864-3**

**DATE OF INSPECTION: 9-10-99**

Other permit(s) associated with the project: #

NAME & ADDRESS OF INSPECTION CONTACT: Kip Krull, 20834 318<sup>th</sup> Ave., Harrold, SD 57536

RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE: owner

NAME & ADDRESS OF PERMIT HOLDER: same as above

**DIVERSION POINT LEGAL LOCATION: 1386' W and 925' S of the NE corner Section 32, T110N, R74W in the NW<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub>.**

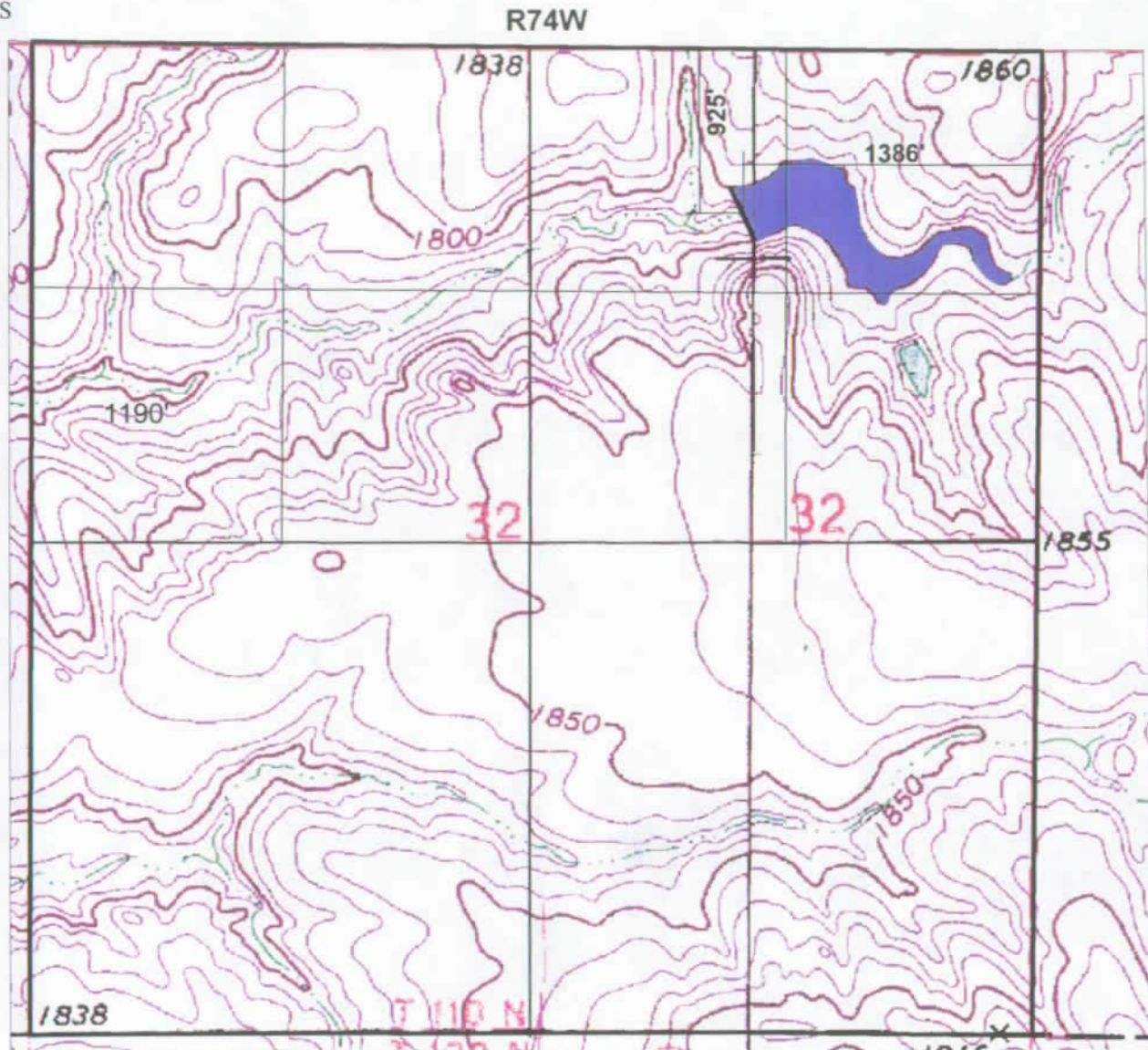
**DAM INFORMATION:**

- 1) Height to crest 23 feet
- 2) Height to primary spillway 15.5 feet
- 3) Height to secondary spillway 20 feet
- 4) Crest width 12 feet
- 5) Crest length 287 feet
- 6) Spillway length 150 feet
- 7) Spillway width 97 feet
- 8) Approx. storage 41.4 ac-ft
- 9) Approx. Storage to crest # ac-ft
- 10) Date constructed: 1995
- 11) Outlet tubes:
  - a) diameter 24 inches
  - b) type double walled black plastic
  - c) valved no
  - d) location on structure 100' north of the south end of the dam.
- 12) Category of Dam 3, small size dam
- 13) Inspection Sheet Completed no

**PERMIT QUALIFICATIONS AND REGULATIONS:**

- 1) Special qualifications to permit being abided by yes
- 2) All structures, wells and lands on map yes

# WATER RIGHT NO. 5864-3

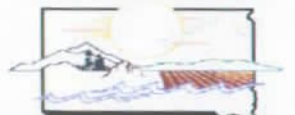


*Lynn Beck*

Lynn Beck  
Natural Resources Engineer  
DENR, Water Rights Program  
Sept. 24, 1999



South Dakota Department of  
Environment and Natural Resources



Protecting South Dakota's Tomorrow ... Today

# STATE OF SOUTH DAKOTA

## WATER LICENSE NO. 5864-3

(1) Kip Krull, 20834 318<sup>th</sup> Ave, Harrold SD 57536 made Application No. 5864-3, April 24, 1995 for a water permit to impound 41.4 acre-feet of water from runoff, Hughes County, South Dakota for fish & wildlife propagation and livestock watering purposes. Permit No. 5864-3, with a priority date of April 24, 1995 was approved July 10, 1995 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before July 10, 2000 and for the application to beneficial use of said water on or before July 10, 2004.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the storage dam and is entitled to impound 41.4 acre-feet of water for beneficial use with sufficient water annually to maintain the water level to the outlet elevation. The location of the storage dam is (spillway) 1,386 feet west and 925 feet south of the northeast corner of Section 32-T110N-R74W (NW ¼ NE ¼).

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use.

(4) Pursuant to South Dakota Water Law 46-5-30.1 Kip Krull, 20834 318<sup>th</sup> Ave, Harrold SD 57536 the holder and/or owner of Water Right No. 5864-3 is issued a license to appropriate water, the right to impound 41.4 acre-feet of water from runoff with sufficient water annually to maintain the water level to the outlet elevation with a priority date of April 24, 1995 from the location specified in (2) of this license for fish & wildlife propagation and livestock watering purposes. This license is subject to any limitations or qualifications listed in Water Right No. 5864-3 and subject to South Dakota State Law.

Garland Erbele

Garland Erbele, Chief Engineer  
Water Rights Program  
Department of Environment and Natural Resources

MAY 12 2000

date





**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3181  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

MAY 12 2000

5864-3

Kip Krull  
20834 318<sup>th</sup> Ave.  
Harrold, SD 57536

Dear Mr. Krull:

Enclosed is Water License No. 5864-3 and Receipt No. 416496 for \$50.00 which was assessed for an investigation and issuance of the license. Water License No. 5864-3 is the final document which completes the process of obtaining a water right.

As long as you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water.

Sincerely,

Garland Erbele, Chief Engineer  
Water Rights Program  
(605) 773-3352

ks  
enclosures