

WATER PERMIT NO. 1795-1

Name of Applicant: **Sandy Limpert**

Address: **HC 65 Box 6, Buffalo SD 57720**

Phone: **605 866-4846**

Amount of Water Claimed: **40 acre-feet**

Total Acres: **NA**

Source of Water Supply: **runoff**

Water to be used for: **fish & wildlife propagation, livestock**

County: **Harding**

Type of Waste Disposal System:

Location: **approximately 14 miles south and 14 miles east of Buffalo**

PRIORITY Date Received: **5-2-03**

Application/License Fee: **\$200**

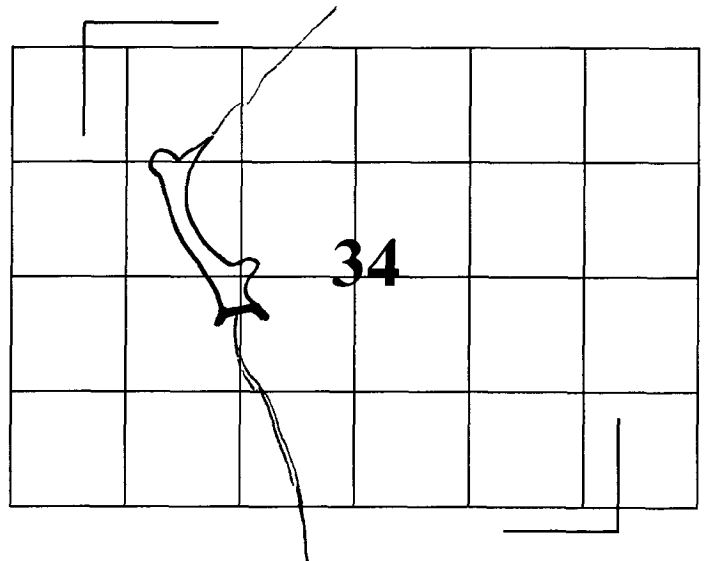
Corrected Application Received: **6-12-03**

Period of Annual Use: **January 1 – December 31**

Remarks:

Diversion Point: **N ½ SW ¼ Sec 34-T17N-R7E**

Land to be Irrigated: **N ½ SW ¼, S ½ NW ¼, NW ¼ NW ¼, Sec 34-T17N-R7E**



Depth of Well: **NA**

Well Driller: : **NA**

Remarks:

Type of Map: **topo**

Prepared by: **Thomas D VerHelst**

Reviewed and the Number Assigned on: **6-12-03**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

**SOUTH DAKOTA
WATER PERMIT NO. 1795-1**

Date of first receipt of application May 2, 2003.

Date of return to applicant for corrections, amendments or changes May 6, 2003.

Date of receipt of corrected application June 9, 2003.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 1795-1 to Sandy Limpert, HC 65 Box 6, Buffalo SD 57720 authorizing the construction of the dam and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 1795-1 authorizes impoundment of 40 acre-feet of water from runoff by reconstructing a dam located in the N ½ SW ¼ Section 34 with water impounded in the N ½ SW ¼, S ½ NW ¼, NW ¼ NW ¼ Section 34; all in T17N-R7E.
2. The water appropriated shall be used for the purpose of supplying water for fish and wildlife propagation and livestock water purposes 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. 1795-1 is July 28, 2003.
5. The date from which applicant may claim right is May 2, 2003.
6. One-fifth of the construction is to be completed on or before January 28, 2006.
7. All construction is to be completed on or before July 28, 2008.
8. Water is to be put to beneficial use on or before July 28, 2012.
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. 1795-1 authorizes a dam with a storage capacity of 40.0 acre feet of water and sufficient water annually to maintain the water level to the 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: Garland Erbele

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

AUG 28 2003

date



FORM 2: Application for uses other than irrigation
(type or print)

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>1795-1</u>	(office use only) Hydrologic Unit <u>10130305</u>
	Basin <u>Moreau River</u>	
	Newspaper <u>Nation's Center News, Spearfish</u>	

RECEIVED
MAY 02 2003
WATER RIGHTS
PROGRAM

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

Check use(s) of water:

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

Type of Application: (check one)
☐ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
☐ 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.)

1. Name of Applicant Sandy Limpert Phone 866-4846
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address HC 65- Box 6, Buffalo State SD 57720
(Street, RR, or Box and City) (Zip Code)

2. Amount of water claimed _____ *CFS or _____ **GPM _____ ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Runoff

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Harding
N 1/2 NW 1/4, SW 1/4 Sec 34 T17N-R7E Water Impounded:
N 1/2 SW 1/4, S 1/2 NW 1/4, NW 1/4 NW 1/4 Sec 34-T17N-R7E

5. County or counties where water will be used Harding

6. Annual period during which water is to be used Jan. thru. Dec. 31

7. 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)

Project involves raising water level of existing dam approx. 3' by excavating a new emergency spillway and raising the top of the dam.

STATE OF SOUTH DAKOTA)
County of Harding SS

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)

I, Sandy Limpert, 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.

Applicant's signature Sandy Limpert

Subscribed and sworn to before me this 30th day of April 20 03

[Signature]
Notary Public signature

my commission expires March 22, 2005

Supplemental Information

(Complete applicable portions only)

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter _____ Depth _____
- b) Casing Type _____ Diameter _____ Thickness _____
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack _____ 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 _____

2. Wastewater Disposal System Information

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

3. Dugout Information

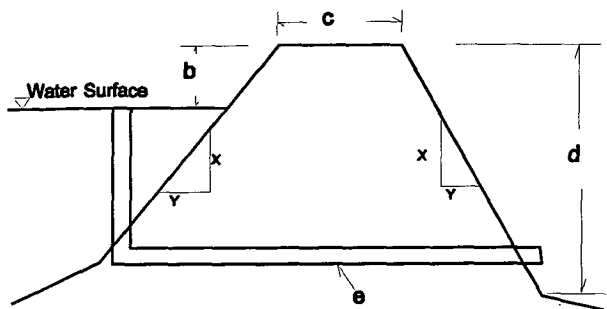
- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

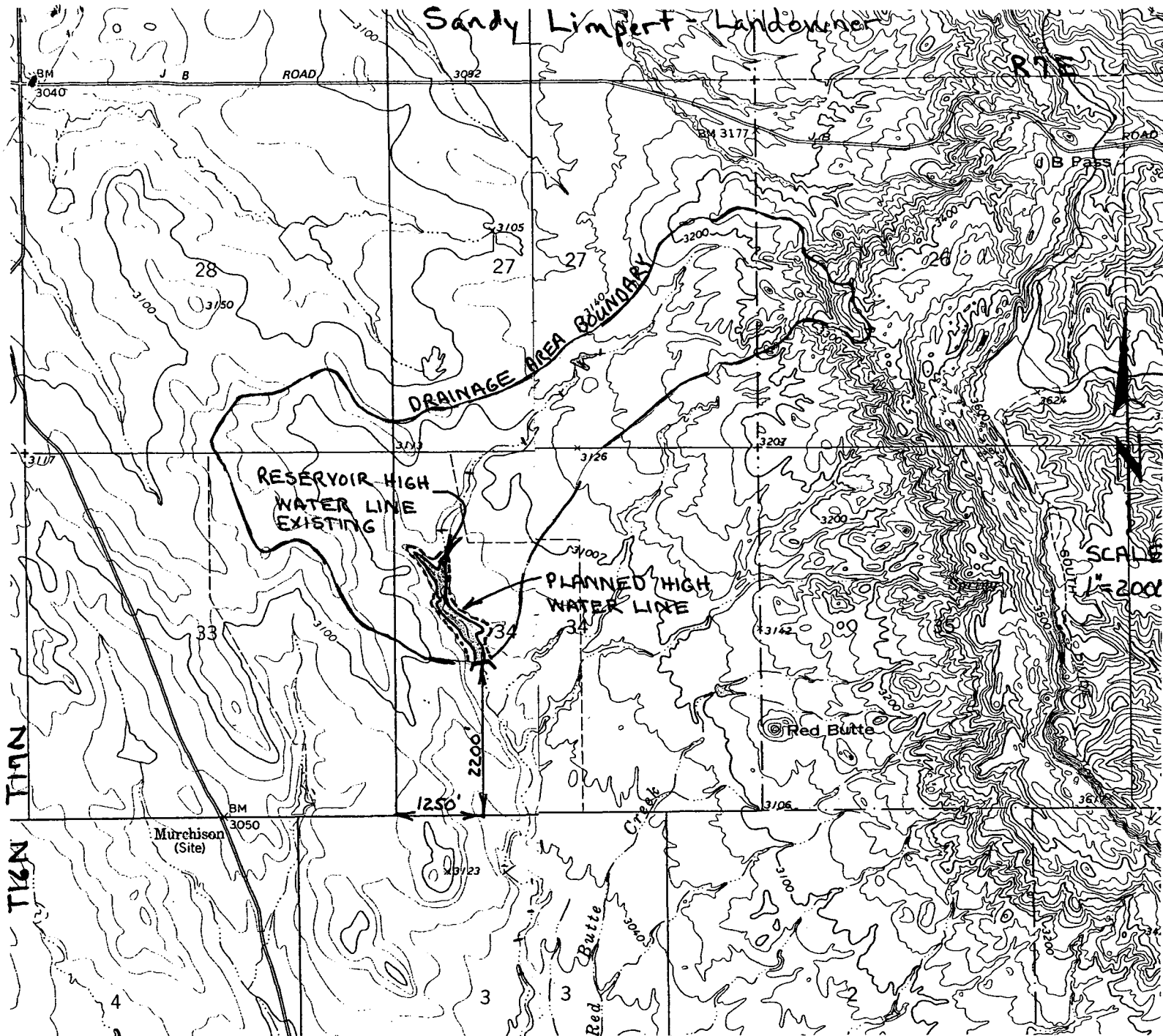
If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

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

Natural Resources Conservation Service
1837 5th Ave. South
Belle Fourche, SD 57717



- b) Freeboard 3'
- c) Crest Width 12'
Crest Length 250'
- d) Height 20'
- e) Primary Outlet Capacity N/A
If pipe, diameter _____
- f) Secondary Spillway Capacity 300 cfs
Spillway Width 60'
- g) X & Y Slope
Upstream 3:1
Downstream 2:1
- h) Surface Area of Impoundment 7.8 Ac
- i) Storage 40.0 Acre Feet
- j) Drainage Area Above Dam 503 Acres



		Existing Planned	
	DEPTH	10'	13'
	POOL AREA (Ac)	5.8	7.8
	STORAGE (Ac-Ft)	23.2	40.0

MAP PREPARED BY: *Thomas D. Ver Helst*
 Thomas D. Ver Helst
 NRCS, ENGINEER
 Belle Fourche, SD

1795-1

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date May 27, 2003

RECEIVED OF Slim Buttes Buffalo Ranch Inc., Jacki Limpert, HC 65 Box 6, Buffalo SD 57720

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

Fee for Application for Permit No. <u>1795-1</u> to Appropriate Water, to construct and to put water to beneficial use	150	00
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. <u>1795-1</u>	50	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	200.00

No.

000784

By

Harland Erbe
Chief Engineer
gm

CONSTRUCTION SPECIFICATIONS

for

RECEIVED

JUN - 9 2003

WATER RIGHTS
PROGRAM

DAM RESTORATION

SANDY LIMPET

HARDING COUNTY

Prepared by:

USDA-NATURAL RESOURCES CONSERVATION SERVICE

Assisting:

HARDING

Conservation District

1795-1

DESIGN REPORT

Project: Sandy Limpert Dam Restoration

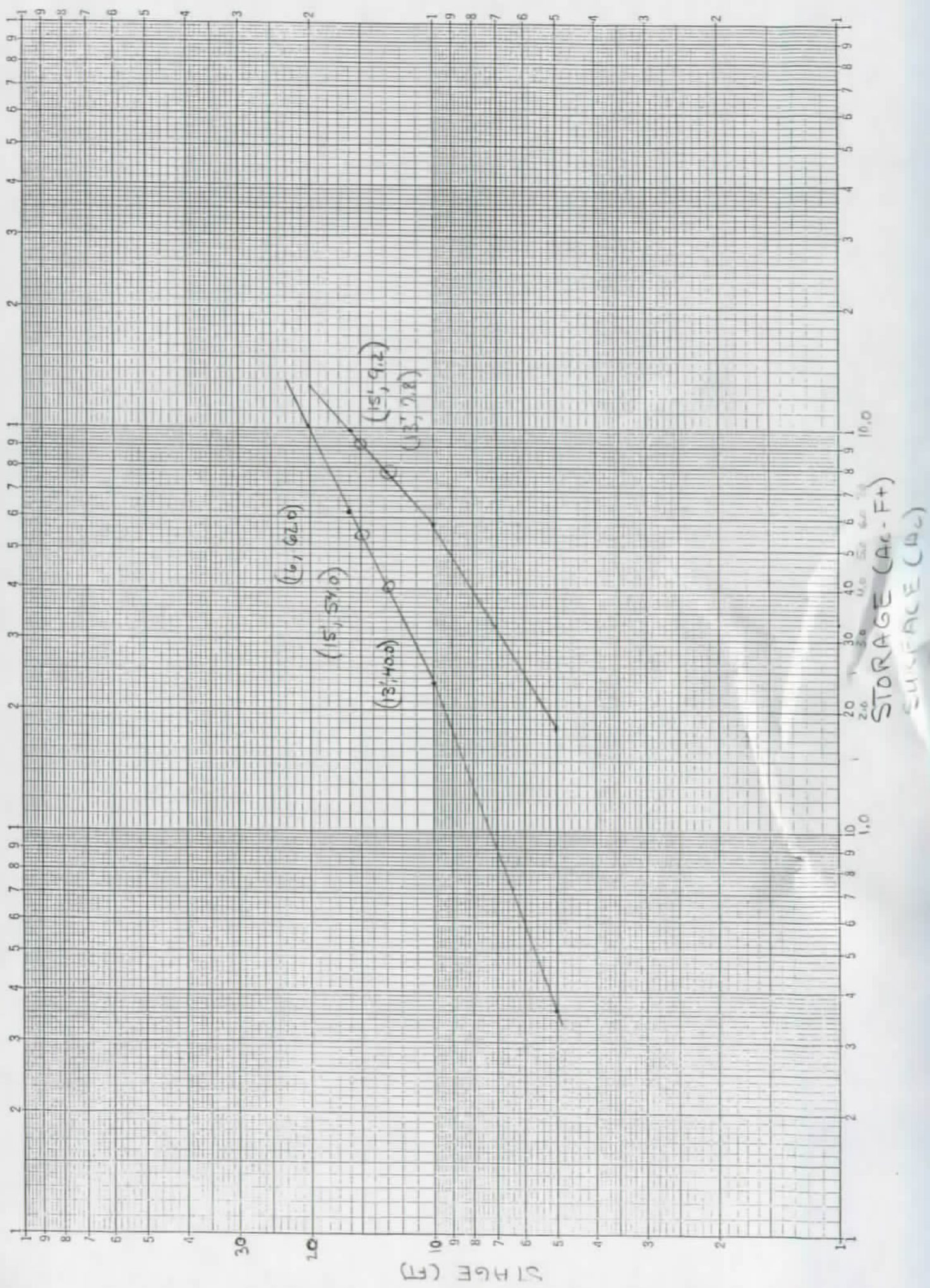
Location: SW1/4 Section 34, T17N-R7E
Harding County, South Dakota

Project Data: Top of Dam – Elevation 3056
Emergency Spillway – Elevation 3053
Side Slopes – 3:1

Preliminary Risk Assessment: The proposed dam restoration project is on an unnamed tributary of Red Butte Creek. USGS topographic maps show one structure 4 river miles downstream from this project. Based on the classification criteria outlined in Chapter 74:02:08 "Safety of Dams," it is recommended that the proposed project be classified as a small, Category 3 dam. No loss of life and minimal economic loss is expected should failure occur.

Proposed Project: The project consists of reconstructing an existing dam that has met its original lifespan. The original dam has some wave action damage to the face of the structure, the emergency spillway is in fair condition, and sediment has reduced the water storage volume. The plan involves constructing a new emergency spillway that is 3 feet higher and is 30 feet wider. The top of the dam will also be raised 3 feet and the top width re-established at 12 feet. The intermediate storage capacity is 40.0 ac-ft. The maximum storage capacity is 62.0 ac-ft. The product of the intermediate storage capacity times the effective height is 640. (40.0 ac-ft x 16') Therefore the emergency spillway was designed to handle a 25yr-24hr storm frequency.

LIMPERT DAM - 5/3/01



D - 250Ac

B/O - 213Ac

B - 40Ac

503

R7E

AKA - Archin Bullock D/O

BoD - Bullock Cabbart D/O

CaD - Cabba Lantry Amr D/B

MpB - Marmath Parchin B/O

MtC - Mermath Twilight B/B

PbB - Parchin Bullock D/O

RmB - Rhome Parchin B/O

RrF - Reva Rockaway D

TyC - Twilight Parchin B/O

TxE - Twilight Blackhall B/O

2 Miles

10000 Feet

5000

Scale 1:24,000

0

1000

2000

3000

4000

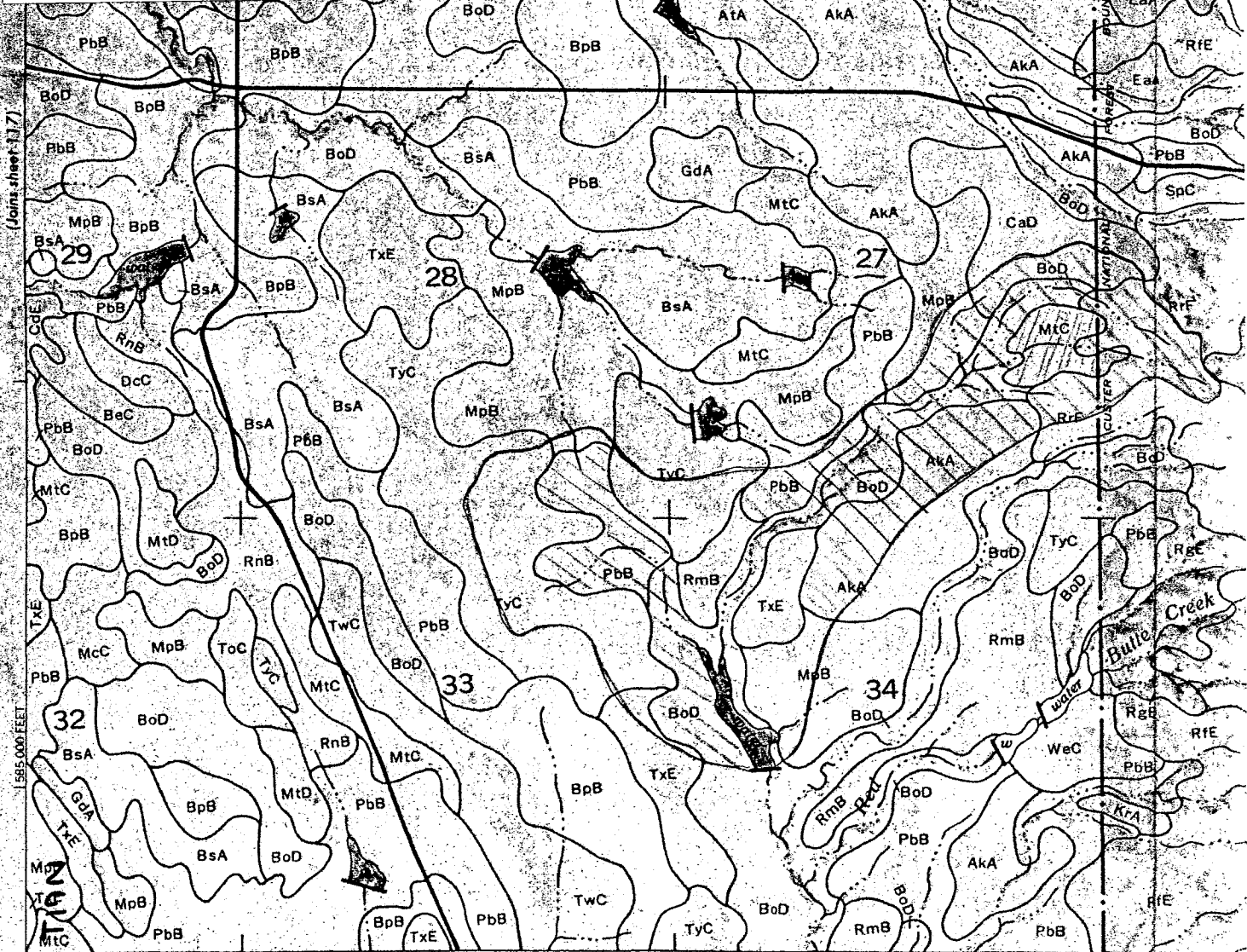
5000

(Joint sheet 7)

1585,000 FEET

1:150,000 FEET

T1N



Client : SANDY LIMPERT
 County : HARDING
 Practice: DAM REPAIR

State: SD

By: TDV
 Checked: _____

Date: _____
 Date: _____

Drainage Area : 503 * Acres
 Curve Number : 81 *
 Watershed Length : 11200 Feet
 Watershed Slope : 4 Percent
 Time of Concentration: 1.77 Hours
 Rainfall Type : II

Storm Number	1	2	3	4	5	6	7
Frequency (yrs)	1	2	5	10	25	50	100
24-Hr Rainfall (in)	1.5	1.8	2.4	2.8	3.3	3.6	4.2
Ia/P Ratio	0.31	0.26	0.20	0.17	0.14	0.13	0.11
Runoff (in)	0.31	0.48	0.87	1.16	1.55	1.79	2.29
Unit Peak Discharge (cfs/acre/in)	0.306	0.327	0.350	0.360	0.368	0.372	0.379
Peak Discharge (cfs)	48	79	153	210	287	335	437

* - Value(s) provided by CN subroutine (F9)

EFM-2 ESTIMATING RUNOFF AND PEAK DISCHARGE
Curve Number Computation

VERSION 1.10

Client : SANDY LIMPERT
County : HARDING
Practice: DAM REPAIR

State: SD

By: TDV
Checked: _____

Date: _____
Date: _____

COVER DESCRIPTION	A	Hydrologic Soil Group		
		B	C	D
		Acres (CN)		

OTHER AGRICULTURAL LANDS				
Pasture, grassland or range	fair	-	40 (69)	213 (79) 250 (84)

Total Area (by Hydrologic Soil Group)	40	213	250
	=====	=====	=====

TOTAL DRAINAGE AREA: 503 Acres

WEIGHTED CURVE NUMBER: 81

CLEARING AND GRUBBING (SD-2) CONSTRUCTION SPECIFICATION

1. Scope

The work shall consist of clearing, grubbing and disposal of trees, snags, logs, brush, shrubs, stumps, and rubbish from the designated areas.

2. Protection of Existing Vegetation

Trees and other woody vegetation designated to remain undisturbed shall be protected from damage throughout the entire construction period. Vehicles, stockpiled materials, and/or ground disturbance shall not be allowed within the dripline of the vegetation designated to remain in place. The contractor shall repair any damage resulting from the contractor's operations or neglect.

3. Marking

Limits of the areas to be cleared and grubbed will be marked by stakes, flags, tree markings, or other suitable methods. Trees to be left standing and uninjured will be designated by special markings placed on the trunks at a height of about six feet above the ground surface.

4. Clearing and Grubbing

Unless otherwise specified, all stumps, roots, and root clusters that have a diameter one inch or larger shall be grubbed out to a depth of at least two feet below subgrade for concrete structures and one foot below ground surface for embankment and other designated sites. All trees not marked for preservation, and all snags, logs, brush, shrubs, stumps, rubbish, and similar materials shall be cleared from within the limits of the marked areas.

5. Disposal

Where brush piles for wildlife are not specified on the drawings, cleared, and grubbed materials shall be disposed of by burning and/or burying at locations shown on the drawings or shall be disposed of by methods and at sites selected by the contractor and approved by the NRCS inspector. Materials to be buried shall be placed at least two feet below the surrounding ground line and shall be covered by at least two feet of soil with the soil surface graded to drain.

The contractor is responsible for complying with all applicable laws and regulations and the payment of any and all fees that may result from disposal at locations away from the construction site.

EARTH FILL-CLASS S (SD-7S) CONSTRUCTION SPECIFICATION

1. Scope

The work shall consist of the construction of compacted earth fills where the amount of compaction is to be controlled by specifying a construction method.

2. Materials

All fill materials shall be obtained from required excavations and designated borrow areas. Selection, blending, placement, and compaction of fill will be subject to approval of the NRCS inspector.

Fill materials shall contain no frozen material, sod, roots or other perishable material, or rocks larger than eight inches in diameter. Fill shall not be placed on a frozen surface.

3. Foundation Preparation

All foundation (including abutment) surfaces shall be shaped one horizontal to one vertical or flatter except as otherwise specified.

After stripping (see stripping specification), the foundation shall be loosened thoroughly by scarifying or plowing to a minimum depth of four inches. The foundation shall then be compacted by the process specified for the fill.

4. Placement

All foundation excavation and preparation shall be completed before placing fill. Except as required by the drawings, fill material shall be mixed and uniformly placed throughout the entire fill without lenses, streaks, pockets, or layers of material that differ significantly from surrounding material.

Placement and compaction methods must prevent damage to structures and allow the structure to assume backfill loads gradually and uniformly. Within 2 feet of any structure, fill layer thickness must not exceed 4 inches and equipment loads must not exceed 400 pounds.

Fill shall be placed in approximately horizontal layers. Except as described above, fill layer thickness shall not exceed nine inches for compaction by large machines or four inches for small hand directed power tampers.

If the surface of any layer becomes too hard and smooth for proper bond with the succeeding layer, it shall be scarified parallel to the axis of the fill, to a depth of not less than two inches, before the next layer is placed.

Except as otherwise specified, openings temporarily left in dam fills (for pipe installation, streamflow, etc.,) shall have side slopes three horizontal to one vertical or flatter. When filling the opening, the bonding surface of the fill in place shall be stripped of all material not meeting the requirements of this specification and shall be scarified, moistened, and recompacted as new earthfill is placed.

5. Control of Moisture Content

At the time of compaction, earth fill shall have a moisture content that when kneaded in the hand will form a ball that does not easily crumble when pressed between the hands. If the soil is too wet, it will yield free water when kneaded in the hand.

Fill materials must be wetted or dried as needed to achieve proper moisture prior to compaction.

6. Compaction (Class S)

Fill layers shall be compacted by one of the following methods.

- a. By routing the hauling and spreading equipment such that all points of the fill are traversed by at least one tread track of the loaded equipment traveling parallel to the centerline of the fill.
- b. By at least 2 passes of a tamping (sheepsfoot) roller weighing at least 100 pounds per square inch of bearing area.

Fill adjacent to structures shall be compacted to a density equivalent to that of the surrounding fill by means of hand tamping or manually directed power tampers or plate vibrators. Within 2 feet of any structure, equipment loads must not exceed 400 pounds.

Compaction of fill adjacent to concrete structures shall not be started for at least the following number of days after placement of the concrete.

Concrete Structure	Days After Concrete Placement
Vertical or near-vertical walls with earth load on one side only	14
Walls backfilled on both sides simultaneously	7
Conduits and spillway risers, cast-in-place (with inside forms in place)	7
Conduits and spillway risers, cast-in-place (forms removed)	14
Conduits, pre-cast,	2
Conduits, pre-cast,	1
Anti-seep Collars and Cantilever Pipe Supports (backfill both sides simultaneously)	3

SEEDING (SD-28)
CONSTRUCTION SPECIFICATION

1. Scope

The work shall consist of furnishing all labor, equipment, and materials needed for seeding the areas shown on the drawings.

2. General

Seeding and related operations shall be performed in the following time period.

Dates: As soon as construction is completed

3. Fertilizer

Fertilizer shall be uniformly applied commercial liquid or dry fertilizer conforming to South Dakota laws and regulations. Fertilizer shall be supplied and applied as follows.

Types and rates: N/A

4. Seed

Seed requirements and seeding rates are listed below. Documentation must be provided showing the seed meets current South Dakota laws and regulations. The seed must be planted within one year of its latest germination test.

Intermediate Wheatgrass - 12.5 # PLS/Ac
Western Wheatgrass - 10.0 # PLS/Ac

5. Seedbed Preparation

The area to be seeded shall be made reasonably smooth and firm. Ditches shall be filled to conform to design lines and grades before seedbed preparation is begun. Prior to seeding, required fertilizer shall be applied and mixed with the soil surface to a depth of three inches. The contractor shall suspend operations when the soil is too wet.

6. Cover and/or Nurse Crops

When specified, cover and/or nurse crops shall be seeded as follows:

N/A

7. Sowing Seed

Except as otherwise specified, seeding shall be performed immediately after seedbed preparation. Seeding shall be drilled or broadcast and incorporated in a manner that will achieve uniform distribution of seed placed at appropriate soil depth.

When seeding waterways or similar water flow areas, machinery operations must be performed in a direction that is not parallel to water flow (use figure 8, serpentine, etc.).

8. Mulching

Except as otherwise specified, required mulching must be performed as soon as possible after seeding. Mulch shall be applied uniformly as follows.

N/A

STRIPPING (SD-4) CONSTRUCTION SPECIFICATION

1. Scope

The work shall consist of removing topsoil and other undesirable materials from borrow areas and foundations of structures and earth fills.

2. General

Required stripping excavation depth will be the depth needed to expose subsoil reasonably free of roots and other perishable material. Excavated earth material suitable for fill shall be placed in earth fills as appropriate. Stripped material suitable for topsoil shall be stockpiled and placed over disturbed areas as shown on the drawings or as approved by the NRCS inspector. All waste material shall be disposed of as shown on the drawings or as approved by the NRCS inspector.

3. Foundation Stripping

Remove loose soil and extend stripping to a reasonably smooth surface in consolidated subsoil. Except as shown on the drawings, foundation slopes shall be excavated to one horizontal to one vertical or flatter.

4. Borrow Area Stripping

Borrow areas shall be stripped to expose material suitable for earth fill.

SALVAGING AND SPREADING TOPSOIL (SD-10) CONSTRUCTION SPECIFICATION

1. Scope

The work shall consist of salvaging topsoil from borrow pits or other excavations and spreading it in the designated areas to the specified depths.

2. Quality of Topsoil

Topsoil shall consist of friable soil reasonably free of grass, roots, weeds, sticks, stones, or other foreign materials.

3. Excavation

Topsoil shall be removed after clearing, grubbing and removing vegetation and shall be stockpiled. Objectionable materials shall be removed and buried, or disposed of, at locations approved by the NRCS inspector.

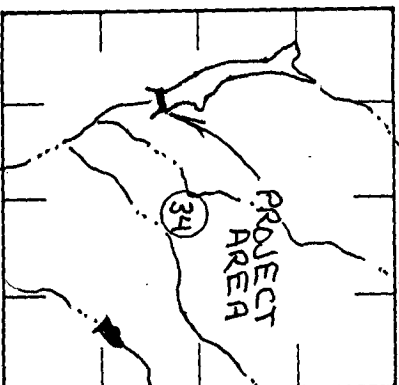
4. Spreading

Spreading shall not be done when the ground or topsoil is frozen, excessively wet, or otherwise in a condition detrimental to the work. Surfaces to be covered shall be lightly scarified just prior to the spreading operation.

All earth fills not to be submerged shall be covered with topsoil to a depth of 6 to 18 inches measured perpendicular to the surface of the fill and placed to the neat lines shown on the drawings.

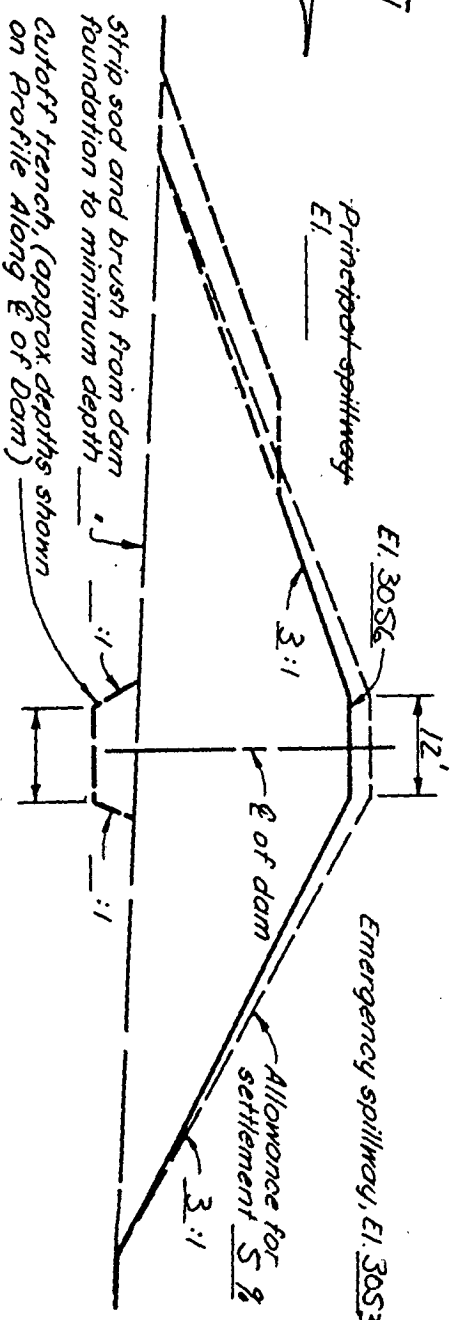
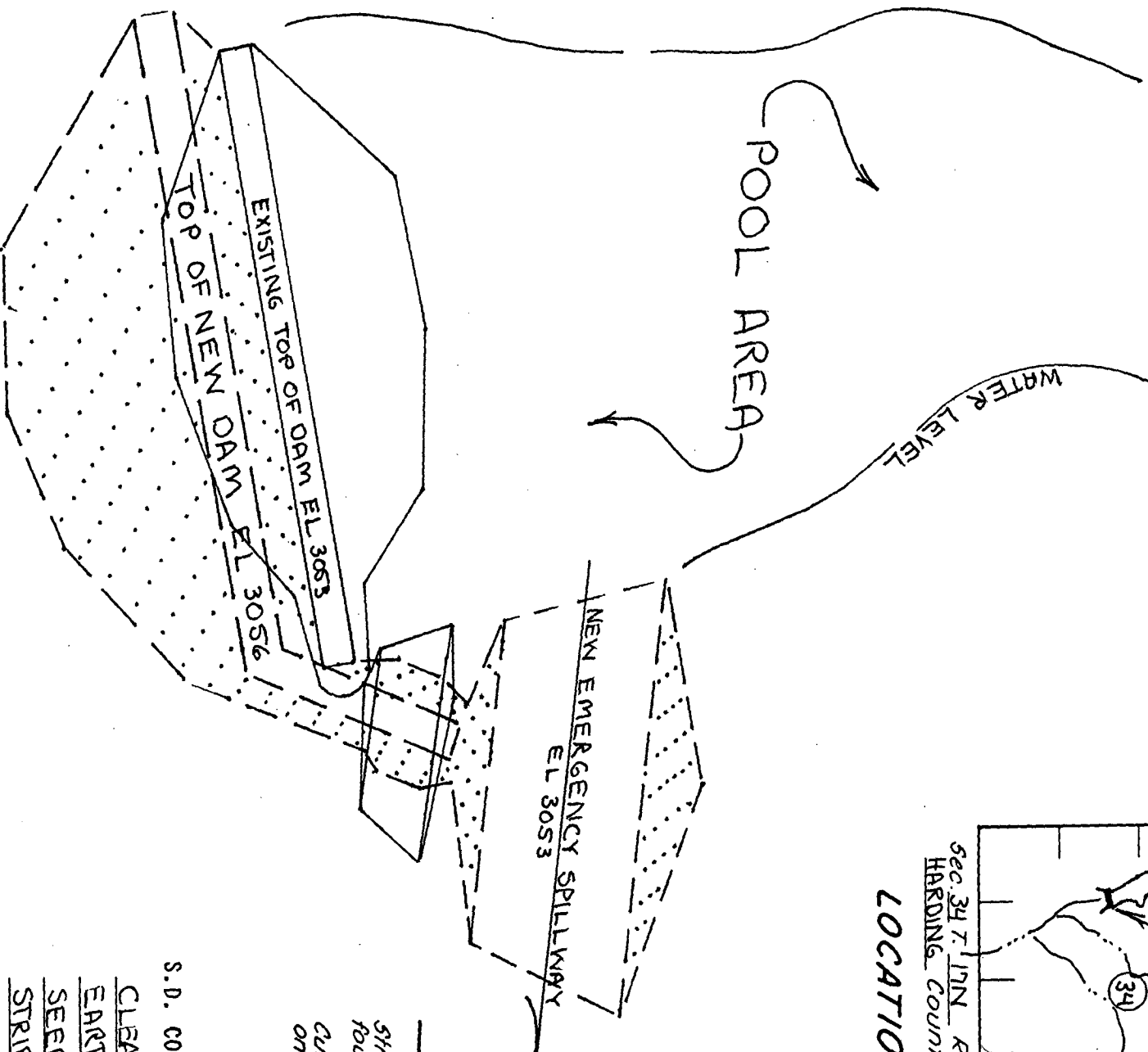
After placement is completed, the topsoil surface shall be left in a condition that will permit seeding equipment to be operated without excessive smoothing.

STRUCTURE DATA						
DRAINAGE AREA	ANNUAL YIELD	PEAK RUNOFF	EMERG. SPLWY. CAPACITY	WATER DEPTH	SURFACE AREA	SEDIMENT STORAGE
ACRES	AC. FT.	25-YR.	C.F.S.	FEET	ACRES	AC. FT.
503	14.3	287	350	1/3	2.8	6.0
						40.0



LOCATION

ITEM	UNIT	QUANTITY
STRIPPING	CY	340
EARTH FILL - CORE TRENCH	CY	150
EARTH FILL - DAM	CY	4371
TOPSOIL - DAM	CY	105
TOPSOIL - EMERGENCY SPILLWAY	CY	111
SEEDING	Ac	.7
HAZARD CLASS - NRCS (Small, Class a)		
DENR (Small, Category 3)		



TYPICAL CROSS SECTION OF DAM

S.D. CONSTRUCTION AND MATERIAL SPECIFICATIONS:

- CLEARING & GRUBBING - SD-2
- EARTH FILL - CLASS S SD-7S
- SEEDING SD-28
- STRIPPING SD-4
- SALVAGING & SPREADING TOPSOIL SD-10

EARTH DAM

OPERATOR: SANDY LAMPERT
 CONSERVATION DISTRICT: HARDING
 U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE

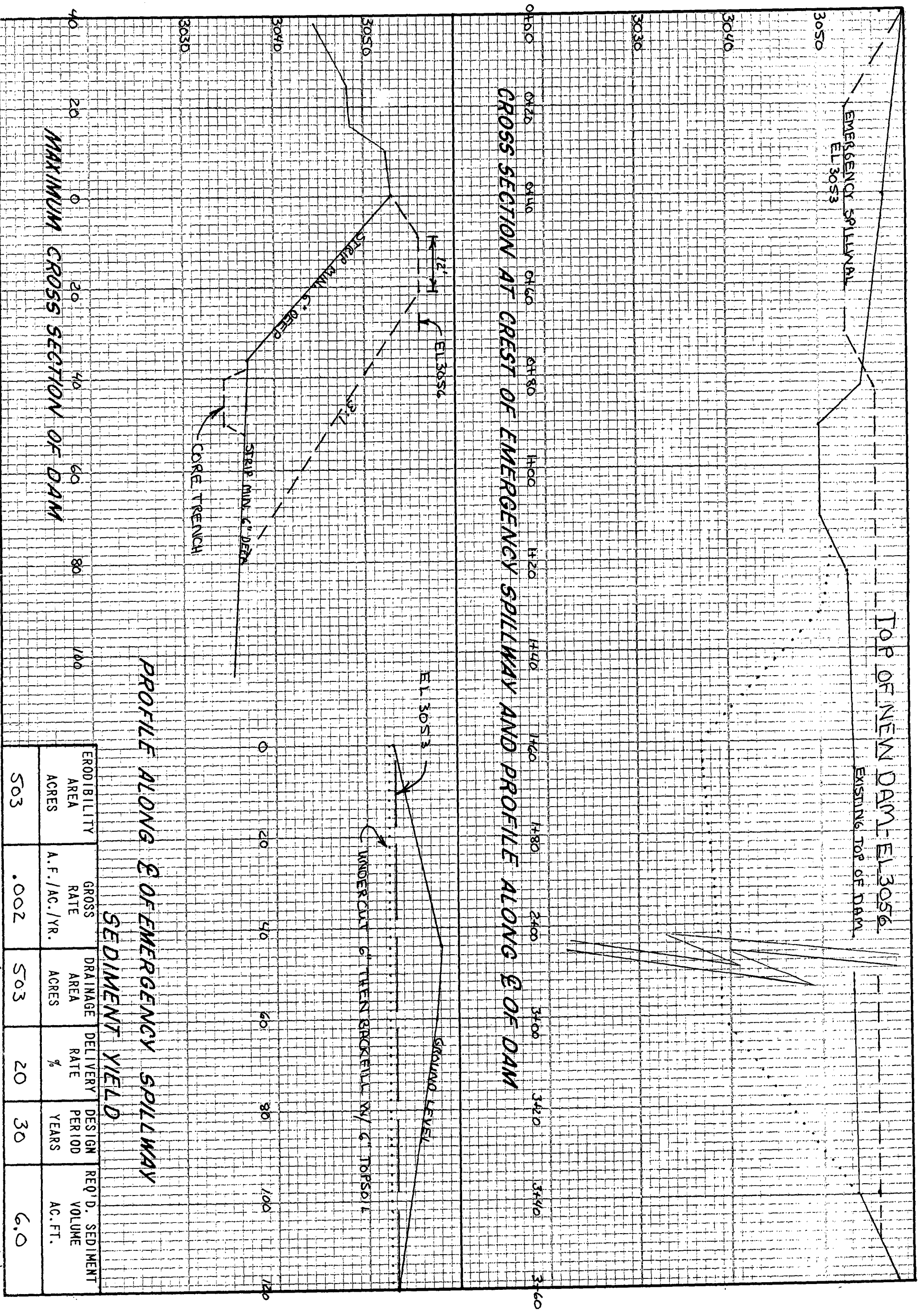
Designed by: T. VER HEIJST S/03
 Drawn by: T. VER HEIJST S/03
 Checked by: [Signature]
 Title: As Engineer

SKETCH PLAN OF DAM AND RESERVOIR AREA

Approximate scale 1" = 50'

REFERENCE: GUIDE PLAN NO. 1.0

JOB PLAN NO. 1.0



ERODIBILITY AREA ACRES	GROSS RATE A.F./AC./YR.	DRAINAGE AREA ACRES	DELIVERY RATE %	DESIGN PERIOD YEARS	REQ'D. SEDIMENT VOLUME AC.FT.
503	.002	503	20	30	6.0

PROFILE ALONG E OF EMERGENCY SPILLWAY
SEDIMENT YIELD

P&S Review

Water Permit Application No. 1795-1
Sandy humpert

Top of Dam Elev. - 3056
Spillway Elev. - 3053
Dis. Ent. Top Elev. - 3036 } Ht. = 20 ft. Cat. 3 - Low Hazard Dam

Normal Capacity = 40 Ac-Ft
Max Capacity = 62

Max Capacity x Ht = 62 x 20 = 1240 < 3000 $\therefore$ 25 year
Minimum Spillway Design

From USGS WRI 80-80 "Turb. Lr Est. Flood Peaks ... in 50"

DA = 503 ac. = 0.786 mi.²
Slope = 60 ft/mi
S = 2.26

$$Q_{75} = 83.4 A^{.6} S^{.44} S^{.72}$$

$$= 83.4 (0.786)^{.6} (60)^{.44} (2.26)^{.72}$$

$$= 83.4 (.8655) (6.06) (0.5560)$$

$$= \underline{243 \text{ cfs}}$$

$$Q_{100} = 132 A^{.65} S^{.46} S^{.67}$$

$$= 132 (.786)^{.65} (60)^{.46} (2.26)^{.67}$$

$$= 132 (0.86) (6.58) (0.5791)$$

$$= \underline{433 \text{ cfs}}$$

Spillway Flow

$$Q = C L H^{3/2}$$

$$C = 2.6$$

$$L = 60$$

$$H = 3$$

$$= 2.6 (60) (3)^{1.5}$$

$$= \underline{810 \text{ cfs}}$$

NRCS Annual Yield

Section 74:02:08:09

1. Topo Map - OK
2. Dam Axis Profile - OK
3. Dam Max Xsec - OK
4. Area Capacity - OK
5. Outlet Details - OK
6. Spillway Rating - OK
7. Spillway Details - OK
8. Specs - Std NRCS - OK
9. E-PP - Cat. 3 N/A - OK

DA = 503 CN = 81 ISO = 1

80% chance = 0.13
 $0.13 \times 503^{1/2} = \underline{5.5 \text{ Ac-Ft}}$

50% chance = 0.33
 $0.33 \times 503^{1/2} = \underline{14 \text{ Ac-Ft}}$

10% chance = 1.6
 $1.6 \times 503^{1/2} = \underline{67 \text{ Ac-Ft}}$



May 6, 2003

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

Sandy Limpert
HC 65 Box 6
Buffalo SD 57720

Dear Mr. Limpert:

Thank you for submitting the *Application for a Permit to Appropriate Water* for a dam located in Harding County. In order to complete the application the following is required.

A written preliminary risk assessment of the downstream hazard potential needs to be provided to aid in determining the hazard classification for the dam. The hazard classification for the dam (Category 1, 2 or 3) needs to be known in order to determine what provisions of the Safety of Dams Rules will apply to your dam. The risk assessment needs to be prepared by an engineer as defined in the Safety of Dams rules. Thomas D VerHelst, with the Conservation Service will be able to assist with the risk assessment. The plans and specifications for the dam are also required.

Enclosed is the check you submitted with the application. The application/license filing fee will be \$200.

If you have any questions, please contact Tim Schaal or me.

Sincerely,

Karen Schlaak
Water Rights Program
605 773-3352

c: Thomas D VerHelst, NRCS



June 2, 2003

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

Sandy Limpert
HC 65 Box 6
Buffalo SD 57720

Dear Mr. Limpert:

We have received your application/license filing fee for the *Application for a Permit to Appropriate Water* for a dam located in Harding County.

This is just a reminder that we still need a written preliminary risk assessment of the downstream hazard potential needs to be provided to aid in determining the hazard classification for the dam. The hazard classification for the dam (Category 1, 2 or 3) needs to be known in order to determine what provisions of the Safety of Dams Rules will apply to your dam. The risk assessment needs to be prepared by an engineer as defined in the Safety of Dams rules. Thomas D VerHelst, with the Conservation Service will be able to assist with the risk assessment. The plans and specifications for the dam are also required.

If you have any questions, please contact Tim Schaal or me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352

c: Thomas D VerHelst, NRCS

United States Department of Agriculture



Natural Resources Conservation Service
1837 5th Ave., South
Belle Fourche, SD 57717

Phone: (605)892-3368
FAX: (605)892-6189

Department of Environment
And Natural Resources
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3182

RECEIVED

JUN - 9 2003

WATER RIGHTS
PROGRAM

Dear Karen Schlaak,

Enclosed are the plans and specifications for the Sandy Limpert Dam Restoration Project as well as a preliminary risk assessment.

If you have any further questions on this subject please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas D. Ver Helst".

Thomas D. Ver Helst
Ag Engineer, NRCS, Belle Fourche



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

July 2, 2003

Sandy Limpert
HC 65 Box 6
Buffalo, SD 57720

Dear Mr. Limpert:

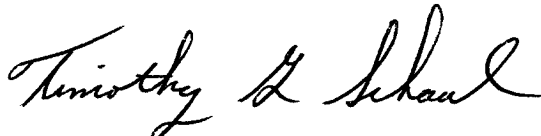
We have reviewed the plans and specifications for your dam project located in the SW 1/4 of Section 34-T17N-R7E, in Harding County. The plans and specifications as submitted are approved. Approval of the plans and specifications does not authorize construction of the dam. The construction of the dam may not begin until Water Permit No. 1795-1 is approved.

Our review was to determine compliance with the requirements of the Water Management Board Safety of Dams Rules, Chapter 74:02:08. Approval of these plans and specifications does not release you, as owner of the dam, from the responsibility for operating and maintaining the dam in good repair to ensure the safety of the dam.

The Limpert Dam will be classified as a small size Category 3, Low Hazard dam with a dam height of 20 feet and a normal storage capacity of 40 acre-feet and a maximum storage capacity of 62 acre-feet.

If you have any questions, please feel free to contact us.

Sincerely,


for Gale N. Selken, P.E.
Natural Resources Engineer Director
for Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

c: Tom VerHelst, NRCS, Belle Fourche

REPORT ON
WATER PERMIT APPLICATION No. 1795-1
Sandy Limpert
June 24, 2003

Water Permit Application No. 1795-1 has been filed by Sandy Limpert to impound 40 acre-feet of water by reconstructing an existing dam, located in the N ½ SW ¼ of Section 34-T17N-R7E, in Harding County. The application also requests impoundment of sufficient water to maintain water at the outlet elevation. The water will be used for fish and wildlife production and livestock use.

Discussion:

The dam will be classified as a small size, Category 3, Low Hazard dam. The Natural Resources Conservation Service (NRCS) has designed the repair of the existing dam. The plans and specifications have been reviewed and will be approved.

The dam will be 20 feet high with a normal storage capacity of 40 acre-feet with a reservoir level at the spillway elevation, and a maximum storage capacity of 62 acre-feet with a reservoir level at the top of dam elevation. A dam of this size and hazard classification is required to have a minimum spillway design capable of passing a 25-year frequency event.

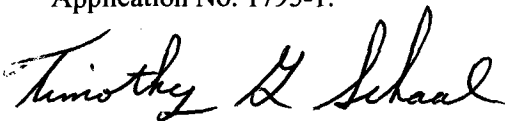
The dam has a drainage area of 503 acres or 0.78 square miles. The repair project is designed to raise the existing top of dam elevation 3 feet and construct a new 60 foot wide earthcut spillway with 3.0 feet of available freeboard. A 25-year frequency event produces a peak runoff of approximately 243 cfs and a 100-year frequency event produces a peak runoff of approximately 433 cfs. The earthcut spillway will have the capacity to pass approximately 810 cfs.

The annual yield for this drainage area with an 80 percent chance of occurrence, or 8 out of 10 years, is expected to be 5.5 acre-feet. The annual yield with a 50 percent chance of occurrence, or 1 out of 2 years, is expected to be 14 acre-feet and the annual yield with a 10 percent chance, or 1 out of 10 years, is expected to be 67 acre-feet.

The Limpert Dam is located in the N ½ SW ¼ of Section 34-T17N-R7E on an unnamed tributary to Red Butte Creek, about two miles upstream of the confluence of the unnamed tributary and Red Butte Creek. There are no existing Water Permit/Rights located between the dam and Red Butte Creek.

Conclusions:

1. Water Permit Application No. 1795-1 should be approved since unappropriated water is available and approval should not have an adverse effect 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. 1795-1.



Timothy G. Schaal, P.E.
Natural Resources Engineer Specialist

Approved by:



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



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1795-1, Sandy Limpert**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 1795-1, Sandy Limpert, HC 65 Box 6, Buffalo SD 57720.

The Chief Engineer is recommending APPROVAL of Application No. 1795-1 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) it is in the public interest with the following qualifications:

1. Water Permit No. 1795-1 authorizes a dam with a storage capacity of 40.0 acre feet of water and sufficient water annually to maintain the water level to the 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.

Garland Erbele, Chief Engineer
July 1, 2003



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

www.state.sd.us/denr

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

July 2, 2003

Sandy Limpert
HC 65 Box 6
Buffalo SD 57720

Dear Mr. Limpert:

Water Permit Application No. 1795-1 for fish & wildlife propagation, livestock 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 Nation's Center News printed at Spearfish, SD (Ph # 605-642-2761). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, 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 also 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

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

July 2, 2003

Nations Center News
PO Box 7
Spearfish SD 57783

ATTENTION: Legal Public Notice

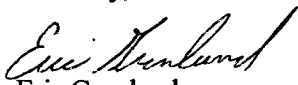
Enclosed is a Notice of Hearing on Application No. 1795-1 to Appropriate Water to be published twice. Please publish the first notice on July 10, 2003 with the second publication 7 days later.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Sandy Limpert, HC 65 Box 6, Buffalo SD 57720 (Ph # 605-866-4846).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,


Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

No. 1795-1

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

Date _____

We are in receipt of your letter of July 2, 2003 enclosing Notice of Hearing to Appropriate Water by Application No. 1795-1 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 July 10, 2003 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO.1795-1 to Appropriate Water

Notice is given that Sandy Limpert, HC 65, Box 6, Buffalo SD 57720 has filed an application for a water permit to impound 40 acre-feet of water from runoff by reconstructing a dam located in the N ½ SW ¼ Section 34 with water impounded in the N ½ SW ¼, S ½ NW ¼, NW ¼ NW ¼ Section 34; all in T17N-R7E. This application requests impoundment of sufficient water to maintain water to the outlet elevation. The water is for fish and wildlife propagation and livestock water purposes.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1785-1 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 application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 28, 2003.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, 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 Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Affidavit of Publication

STATE OF SOUTH DAKOTA
COUNTY OF HARDING

Stewart Huntington of said County and State being first duly sworn, on his oath says: That the NATION'S CENTER NEWS is a legal daily newspaper of general circulation, printed and published in the City of Buffalo, in said County and State by Stewart Huntington, and has been such a newspaper during the times hereinafter mentioned; and that said newspaper has a bonafide circulation of at least 200 copies weekly, and has been published within said County in the English language for at least one year prior to the first publication of the notice herein mentioned, and is printed in whole or in part in an office maintained at the place of publication; and That I, Stewart Huntington, the undersigned, am the Publisher of said newspaper and have personal knowledge of all the facts stated in this affidavit; and that the advertisement headed:

Notice of Application

No. 1795

a printed copy of which is hereto attached, was printed and published in said newspaper for 2 successive and consecutive weeks, the first publication being made on the 10th day of July, 2003, and the last publication on the 17th day of July, 2003 that the full amount of fees charged for publishing same, to-wit: The sum of \$ 45.36, insures solely to the benefit of the publisher of the NATION'S CENTER NEWS, that no agreement or understanding for a division thereof has been made with any person and that no part thereof has been agreed to be paid to any other person whomsoever.

Stewart Huntington

Subscribed and sworn to before me this 17th day of July, 2003

Adith Johnson

Notary Public, Lawrence County, South Dakota

My commission expires: 10-24-2004



NOTICE OF APPLICATION NO. 1795 to Appropriate Water

Notice is given that Sandy Limpert, HC 65, Box 6, Buffalo SD 57720 has filed an application for a water permit to impound 40 acre-feet of water from runoff by reconstructing a dam located in the N 1/2 SW 1/4 Section 34 with water impounded in the N 1/2 SW 1/4, S 1/2 NW 1/4, NW 1/4 NW 1/4 Section 34; all in T17N-R7E. This application requests impoundment of sufficient water to maintain water to the outlet elevation. The water is for fish and wildlife propagation and livestock water purposes.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1785-1 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 application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 28, 2003.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, 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 Program address to request copies of information pertaining to this application.

Steven M. Pirner,
Secretary,
Department of Environment
and Natural Resources.

#674
July 10, 17

RECEIVED

JUL 23 2

WATER RIGHTS
PROGRAM



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

AUG 28 2003

Sandy Limpert
HC 65 Box 6
Buffalo SD 57720

Dear Mr. Limpert:

Enclosed is Water Permit No. 1795-1 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions?* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

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

enclosures

Permit No. 1795-1
Moreau 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, May 8, 2012, made a thorough examination of the water use system for Sandy Limpert of HC 65 Box 6, Buffalo, SD 57720 holder of Permit No. 1795-1, bearing the priority of May 2, 2003 authorizing the storage of 40 acre-feet of the waters of runoff for fish & wildlife propagation and livestock water purposes, in Harding County.

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

A. Works used to divert the water:

A 20 ft. high earth dam with a normal storage capacity of 40 ac-ft.

B. Works used to transport water to place of use:

N/A

C. Works used to apply water to beneficial use:

A 20 ft. high earth dam with a normal storage capacity of 40 ac-ft.

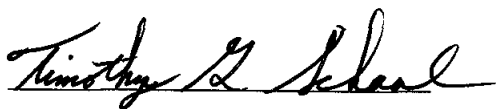
The system is in the following condition good. The point of diversion is located 2100 ft. north & 1320 ft. east of the SW corner of Sec.34-T17N-R7E (N ½ SW ¼) (Lat. 45.39227, Long. -103.25305). The works are capable of storing 40 acre-feet of water which is to be used for fish & wildlife propagation and livestock water purposes. Water has been put to beneficial use to the maximum extent as follows:

A 20 ft. high earth dam with a normal storage capacity of 40 ac-ft.

and the license should be issued for 40 acre-feet of storage.

Applicable permit qualifications have been complied with: Yes X

Exceptions to compliance are: none Date Report Completed: April 11, 2013



Timothy G. Schaal, P.E.
Engineer IV
SD DENR, Water Rights Program

REPORT ON INSPECTION OF PERMIT NO. 1795-1

DATE OF INSPECTION: May 8, 2012

NAME & ADDRESS OF PERMIT HOLDER: Sandy Limpert, HC 65 Box 6, Buffalo, SD 57720

DIVERSION POINT LEGAL LOCATION: 2100 ft. north & 1320 ft. east of the SW corner of Sec. 34-T17N-R7E (N ½ SW ¼) (Lat. 45.39227 & Long. -103.25305).

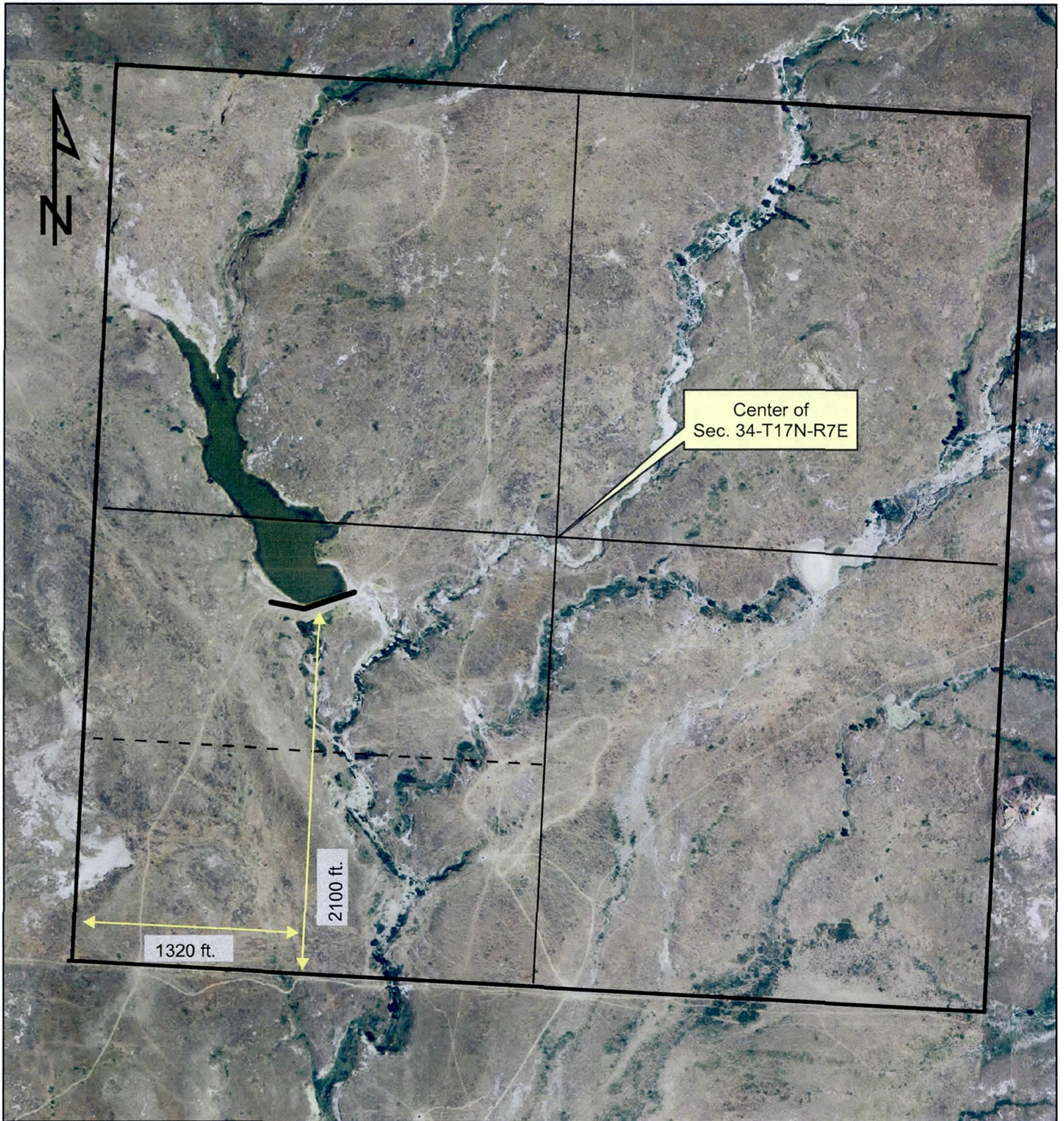
DAM INFORMATION:

- 1) Height to crest 20 feet
- 2) Height to primary spillway 17 feet
- 3) Height to secondary spillway N/A feet
- 4) Crest width 12 feet
- 5) Crest length 250 feet
- 6) Spillway length XXX feet
- 7) Spillway width 60 feet
- 8) Approx. storage (Normal) 40 acre-feet
- 9) Approx. storage (Maximum) 62 acre-feet
- 10) Date constructed: 2003

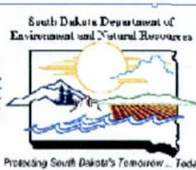
PERMIT QUALIFICATIONS AND REGULATIONS:

- 1) Soil and water permit lands agree with lands being irrigated and lands listed on permit N/A
- 2) Special qualifications to permit being abided by yes
- 3) All structures, wells and lands on map yes
- 4) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period N/A

Water Permit Application No. 1795-1



0 0.25 0.5 1 Miles



Timothy G. Schaal

Timothy G. Schaal, P.E.
Engineer IV
SD DENR, Water Rights Program

4/11/13



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

APR 26 2013

1795-1

Sandy Limpert
14129 Limpert Rd
Buffalo SD 57720

Dear Ms. Limpert:

Enclosed is Water License No. 1795-1. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

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,

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1795-1

(1) Sandy Limpert, 14129 Limpert Rd, Buffalo SD 57720 made Application No. 1795-1, May 2, 2003 for a water permit to impound 40 acre feet of runoff water annually in a storage dam, located in Harding County, South Dakota for fish and wildlife propagation and domestic livestock watering purposes. Permit No. 1795-1 with a priority date of May 2, 2003 was approved July 28, 2003 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before July 28, 2008 and for the application to beneficial use of said water on or before July 28, 2012.

(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 water supply system and is entitled to impound 40 acre feet of water annually for beneficial use.

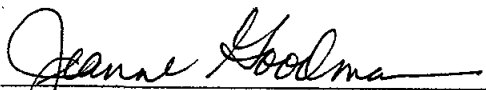
The location of the storage dam (spillway) is 2,100 feet north and 1,320 feet east of the SW corner of Section 34, T17N, R7E (N ½ SW ¼). Water is impounded in the N ½ SW ¼, S ½ NW ¼ and NW ¼ NW ¼ Section 34, T17N, R7E.

(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 Sandy Limpert, 14129 Limpert Rd, Buffalo SD 57720 the holder and/or owner of Water Right No. 1795-1 is issued a license to appropriate water, the right to impound 40 acre feet of water annually from runoff with a priority date of May 2, 2003 from the location specified in (2) of this license for fish and wildlife propagation and domestic livestock watering purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 1795-1 and subject to the following qualifications:

- Water Permit No. 1795-1 authorizes a dam with a storage capacity of 40 acre feet of water and sufficient water annually to maintain the water level to the outlet elevation.
- Low flows as needed for downstream domestic use, including livestock water and prior water rights must be bypassed.



Jeanne Goodman, Chief Engineer
Water Rights Program

Department of Environment and Natural Resources

APR 26 2013

date

