

WATER PERMIT NO. 5938-3

Name of Applicant: US FISH & WILDLIFE SERVICE

Address: PO Box 25486, Denver CO

Phone: 303 236-5321

Amount of Water Claimed: 286 AF

Total Acres: NA

Source of Water Supply: runoff to Silver Lake

Water to be used for: fish & wildlife propagation

County: Kingsbury

Type of Waste Disposal System: NA

Location: Hwy 14 just southeast of DeSmet

PRIORITY

Date Received: 5-23-96

Fee: \$250

Corrected Application Received:

Period of Annual Use: January 1 - December 31

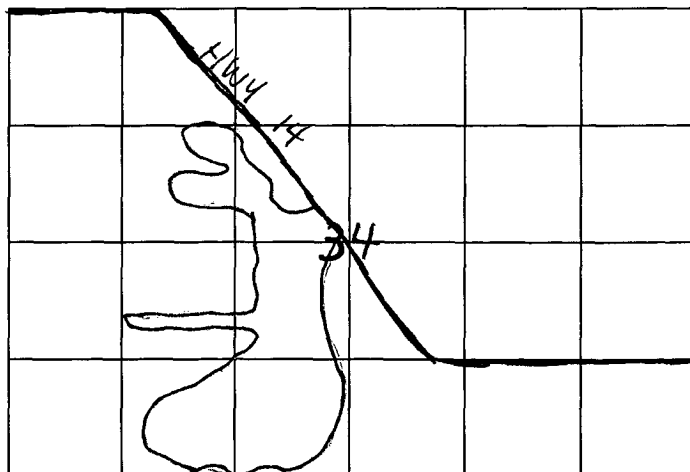
Remarks:

Diversion Point: SE 1/4 NW 1/4 Sec 34-

T111N-R56W

Water Impounded: S 1/2 NW 1/4, SW 1/4

Sec 34-T111N-R56W



Depth of Well: .

Well Driller:

Remarks:

Type of Map: topographic

Prepared by: Jack K. Meyahne

Reviewed and the Number Assigned on: 5-28-96

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

SOUTH DAKOTA
WATER PERMIT NO. 5938-3

Date of first receipt of application May 23, 1996.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 5938-3 to U.S. Fish and Wildlife Service, PO Box 25486, Denver Federal Center, Denver CO 80225 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. 5938-3 appropriates 286 acre-feet of water annually from an unnamed tributary and surface runoff by raising 10 existing pipes through U.S. Highway 14 located in the SE 1/4 NW 1/4 Section 34 with water impounded in the S 1/2 NW 1/4, SW 1/4 Section 34; all in T111N-R56W. This permit requests impoundment of water sufficient to maintain water at the elevation of 1693.0 feet mean sea level (fmsl). The project will impound 85 acre-feet of water with an additional 201 acre-feet to offset evaporation and maintain a pool elevation of 1693.0 fmsl.
2. The water appropriated shall be used for the purpose of providing habitat for fish and wildlife propagation and may not exceed the amount of water needed for beneficial use for fish and wildlife propagation purposes.
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. 5938-3 is August 19, 1996.
5. The date from which applicant may claim right is May 23, 1996.
6. One-fifth of the construction is to be completed on or before February 19, 1999.
7. All construction is to be completed on or before August 19, 2001.
8. Water is to be put to beneficial use on or before August 19, 2005.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATION

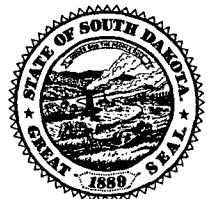
Water Permit No. 5938-3 authorizes an impoundment that will store 85 acre-feet of water and sufficient water annually to maintain the water level to the outlet elevation of 1693.0 fmsl.

WATER MANAGEMENT BOARD

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

SEP 23 1996

date



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. 5938-3 Hydrologic Unit 10/70/03
Basin Vermillion River
Newspaper DeSmet News, DeSmet, SD
(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 _____
(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 UNITED STATES OF AMERICA
Fish and Wildlife Service Phone (303) 236-5321
Mailing Address P.O. Box 25486, Denver Federal Center, Denver State Colorado 80225
(Street, RR, or Box) (City) (Zip Code)
- Amount of water claimed _____ *CFS or _____ **GPM 286 ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Unnamed Trib. - Surface Runoff to Silver Lake
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) _____
10 pipes through U.S. Highway 14 @ elevation 1693 msl in SENW Sec 34
T111N R56W water impounded: 5 1/2 SW 1/4, SW 1/4 Sec. 34-T111N-R56W County Kingsbury
- County or counties where water will be used Kingsbury
- Annual period during which water is to be used 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)
DOT Plans Attached (17 sheets)

*** See Attached Explanation

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~~ COLORADO

County of Jefferson)^{ss}

I, Cheryl C. Williss, 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 Cheryl C. Williss
Subscribed and sworn to before me this 15th day of April 19 96
Janele S. Coe
Notary Public

My Commission expires November 10, 1997.

DESMET - BIG SLOUGH
WETLAND MITIGATION PROJECT

INDEX OF PLAN SHEETS

SHEET NO. 1	LAYOUT SHEET
SHEET NO. 2	INDEX OF PLAN SHEETS
SHEET NO. 3	ESTIMATE OF QUANTITIES
SHEET NO. 4	TYPICAL SECTION
SHEET NOS. 5 THRU 7	PLAN NOTES
SHEET NOS. 8 THRU 15	TRAFFIC CONTROL
SHEET NO. 16	PLAN SHEET
SHEET NO. 17	STANDARD PLATE

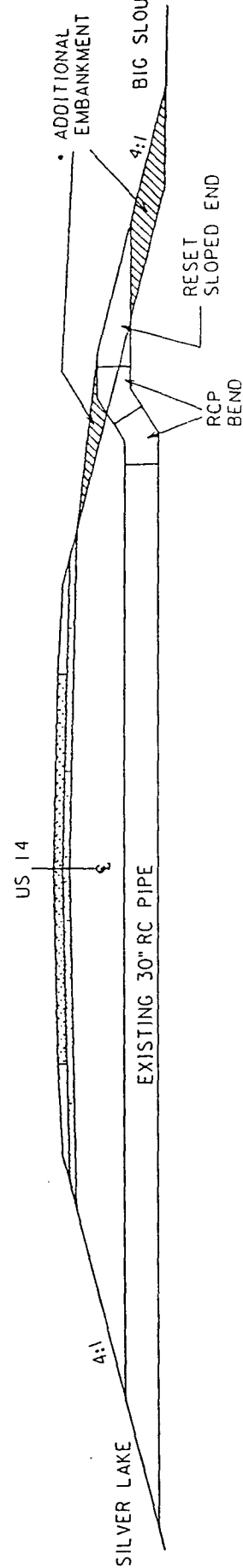
DESMET - BIG SLOUGH
WETLAND MITIGATION PROJECT

ESTIMATE OF QUANTITIES

MOBILIZATION	LUMP SUM
BORROW UNCLASSIFIED EXCAVATION	1600 CU.YD.
REMOVAL OF PIPE CULVERT	80.0 L. F.
REMOVE AND RESET PIPE END SECTION	10 EACH
30 INCH RC BEND CLASS 3 FURNISH AND INSTALL	20 EACH
TRAFFIC CONTROL	400 UNITS
TRAFFIC CONTROL MISCELLANEOUS	LUMP SUM
FLAGGER	30 HOURS

DESMET - BIG SLOUGH WETLAND MITIGATION PROJECT

TYPICAL PIPE SECTION



- ADDITIONAL EMBANKMENT SHALL BE PLACED FROM STATION 18+67 TO 26+66

**DESMET - BIG SLOUGH
WETLAND MITIGATION PROJECT**

SPECIFICATIONS TO BE USED ARE:

Standard Specifications for Roads and Bridges, 1990 Edition and Required Provisions, Supplemental Specifications, and/or Special Provisions as included in the Proposal.

SCOPE OF WORK

The project involves raising one side of the 10 existing 30 inch equalizing pipes though US 14 highway grade to an elevation of 1693.00 feet to provide 22 acres of wetland mitigation for wetland loss on project NH0014(00)404. Work on this project includes, but is not limited to the following at each of the ten existing equalizing pipes: removal of 30 inch RCP sloped end, removal of one 8 foot section of 30 inch RCP, furnish and install two 30 inch RC bends, reset 30 inch RCP sloped end, place additional embankment and erosion control.

COMPLETION DATE

All work on this project shall be complete on or before xxxxxxxxxx. If work is not completed by this date, the Contractor will be assessed liquidated damages in accordance with the schedule set forth in Section 8.7 of the Standard Specifications.

UTILITIES

Prior to beginning construction operations, the Contractor shall contact the various utility companies for location of their facilities.

RCP

The Contractor shall remove the existing 30 inch RCP sloped end for reset from each of the ten existing equalizing pipes. The ends shall be removed and stockpiled in a way that will not cause damage to the ends. Any sloped ends damaged by the Contractor shall be repaired or replaced by the Contractor at no cost to the State.

The Contractor shall remove the first eight foot section of 30 inch RCP from each of the ten existing equalizing pipes. The pipe shall become the property of the Contractor and shall be hauled away or disposed of by the Contractor at a waste site approved by the Engineer.

The Contractor shall furnish and install two 30 inch RC bends and reset the RCP sloped ends at each of the ten existing equalizing pipes as shown on the typical section. The pipe locations, bend quantities and bend angles are as follows:

**DESMET - BIG SLOUGH
WETLAND MITIGATION PROJECT**

RCP (CONT.)

Sta. 19+17	Single RCP	Two - 7.5 degree bends
Sta. 21+16	Single RCP	Two - 20 degree bends
Sta. 23+16	Single RCP	Two - 25 degree bends
Sta. 24+16	Twin RCP	Four - 30 degree bends
Sta. 25+25	Triple RCP	Six - 40 degree bends
Sta. 26+16	Twin RCP	Four - 35 degree bends

All 30 inch RC Bends shall have a 4 foot lay length.

Tie bolts shall be installed to tie existing pipe, new bends and sloped ends together. The tie bolts shall be installed as per the standard plate in these plans.

BORROW UNCLASSIFIED EXCAVATION

Additional embankment shall be placed on the inslope from Sta. 18+67 to Sta. 26+66 to match the reset sloped ends as shown on the typical section. The embankment material for this work shall be obtained from Contractor furnished sources which may be within the right-of-way at locations approved by the Engineer.

Prior to removal of Borrow Unclassified Excavation and construction of the new embankment, the Contractor shall remove and stockpile 3 inches of in place topsoil from the construction and borrow areas. On completion of construction operations, this salvaged topsoil shall be spread evenly over the newly constructed embankment and borrow areas. Removal and replacement of topsoil will not be measured for payment, but shall be absorbed in the contract unit price per cubic yard for "Borrow Unclassified Excavation".

Compaction of additional embankment shall be to the satisfaction of the Engineer.

It is not anticipated that water for compaction will be required. However, if in the opinion of the Engineer, the fill material is extremely dry, water may be ordered and placed to the satisfaction of the Engineer. All costs for any added water shall be included in the contract unit price per cubic yard for "Borrow Unclassified Excavation".

Excavation quantities are computed using the volume of embankment plus 30% for shrinkage. Basis of payment will be plans quantity of "Borrow Unclassified Excavation". No separate field measurements will be taken. All material used for embankment shall meet the approval of the Engineer.

Haul of embankment material on established traveled roadways shall be limited to trucks or small scrapers capable of hauling legal loads and which do not sustain damage to the roadway, as approved by the Engineer. Hauling of material in the roadway ditches shall not be allowed.

The Contractor shall be responsible for restoration of any areas disturbed outside the limits of the work area.

DESMET - BIG SLOUGH WETLAND MITIGATION PROJECT

EROSION CONTROL

On completion of embankment construction and replacement of topsoil, all disturbed areas within the right-of-way shall be seeded with Intermediate Wheatgrass (oahe) at the rate of 1/2 pound Pure Live Seed (PLS) per 1000 square feet and fertilized with commercial fertilizer having a minimum guaranteed analysis of 18-46-0 at the rate of 2 pounds per 1000 square feet. Hand seeding and fertilizing devices will be allowed, as approved by the Engineer. All newly seeded and fertilized areas shall be raked to the satisfaction of the Engineer. Seeding and fertilizing will not be measured for payment, but shall be included in the contract unit price per cubic yard for "Borrow Unclassified Excavation".

It is estimated that 11 pounds of PLS and 44 pounds of 18-46-0 will be required to seed and fertilize the additional embankment areas.

TRAFFIC CONTROL

Normal two way traffic shall be maintained on US 14 whenever possible. The Contractor shall use the shoulder for parking equipment during working hours providing all necessary traffic control devices are installed. If necessary, one lane may be closed temporarily with the use of flaggers. All traffic control devices shall be installed as per standard plates in these plans. All of the Contractors equipment and materials shall be removed from within the US 14 right-of-way during non-working hours.

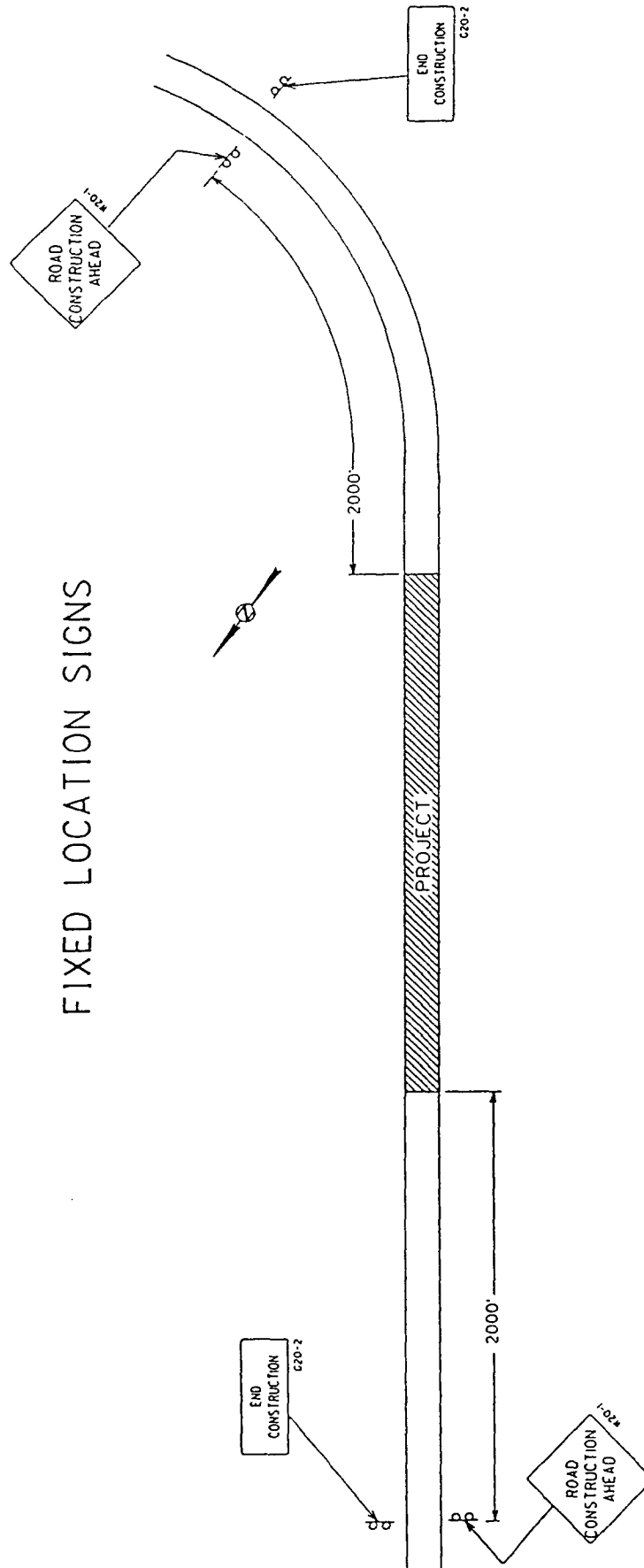
WASTE DISPOSAL SITE

The Contractor will be required to furnish a site satisfactory to the Engineer for disposal of broken concrete, excess dirt, rock, trees, non-salvageable asphalt surfacing and other construction/demolition debris generated by this project. The waste disposal site may not be a stream, streambank, lake, lakeshore or wetland, unless the Contractor has obtained a "404" Permit from the U.S. Army Corps of Engineers.

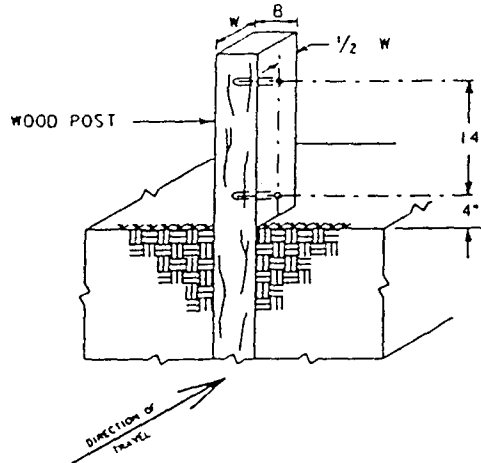
A wetland is defined as those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal conditions do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

Construction/Demolition Debris may not be disposed of within the State Right-of-Way.

DESMET - BIG SLOUGH
WETLAND MITIGATION PROJECT



SIGN SUPPORT SAFETY FEATURES WOOD POSTS



DRILLING DETAIL

HOLE SIZE REQUIREMENTS

POST DIMEN.	1/2 W DIMEN. HOLE DIA.
B W	
4" X 6"	1 1/2" Ø
6" X 6"	2" Ø
6" X 8"	3" Ø

NOTE: All Posts 4" X 6" And Larger Shall Be Field Drilled In Accordance With The Above Breakaway Provisions. As An Added Requirement All 4" X 6" And Larger Posts Used In Two-Post Installations Shall Be Spaced 7' Or More Apart.

EXCEPTION: 4"x 6" Western Red Cedar Posts do not have to be drilled. 4"x 6" wood posts do not have to be drilled when post is installed with 6" wide section facing traffic.

MAY 23, 1995

DATE: 5-23-95 [Signature] [Signature]	STATE OF SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION BREAKAWAY SIGN SUPPORTS	PLATE NUMBER SI
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SIGN SUPPORT SAFETY FEATURES U-CHANNEL STEEL POSTS

1. Remove A Minimum of 2" Of Soil From Area Where Base Post Is To Be Driven.

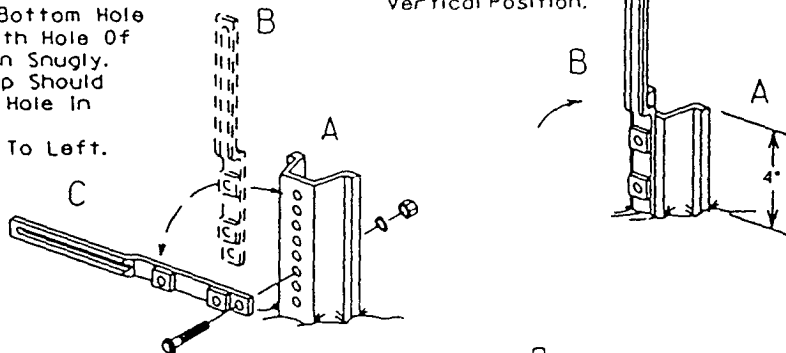
A. Drive 3.5 Foot Base Post To Within 12" Of Ground Level.

B. Attach Retainer-Spacer Strap With One Bolt, Nut And Star Washer Through Bottom Hole Of Strap and Sixth Hole Of Base Post. Tighten Snugly. Top Hole Of Strap Should Line Up With Top Hole In Base Post.

C. Rotate Strap 90° To Left.

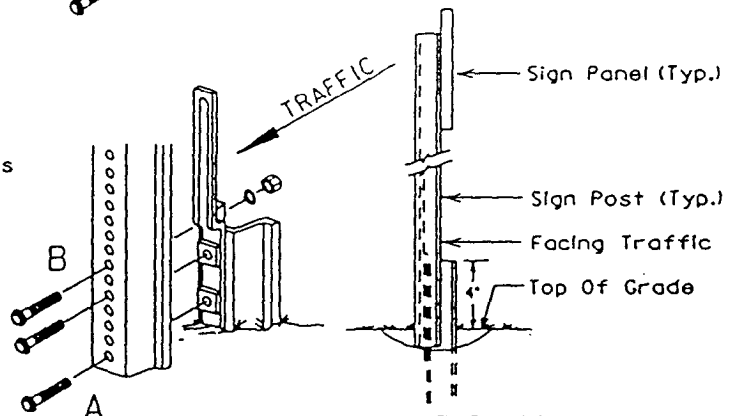
2. A. Drive Post To Maximum Height Of 4" Above Ground.

B. Rotate Strap To Vertical Position.



3. A. Attach Sign Post With Two Bolts, Nuts and Star Washers In Bottom and Fifth Holes. (These Correspond With Small Holes In Strap.) Tighten Bolts Alternately To Insure Proper Nesting.

B. Insert One Bolt Through Sign Post and Bottom Of Long Slot In Strap. Tighten Snugly.



TYPICAL END VIEW
(FINISHED ASSEMBLY)

NOTE: Other Types of Steel Breakaway Sign Posts May Be Used When Such Posts Meet Current AASHTO Safety Criteria Requirements.

JULY 19, 1994

DATE 1-30-95
[Signature]
[Signature]

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
- F TYPE -
BREAKAWAY SIGN SUPPORTS

PLATE
NUMBER
S2

SIGN SUPPORT SAFETY FEATURES U-CHANNEL STEEL POSTS

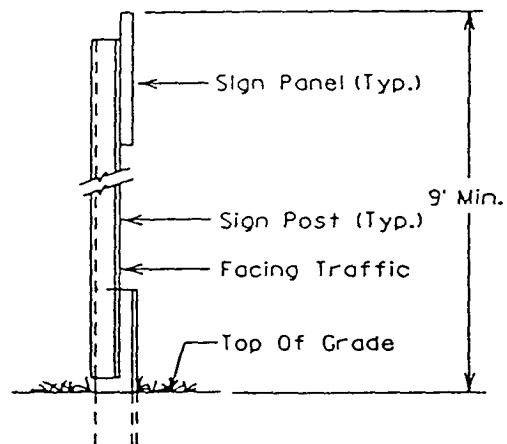
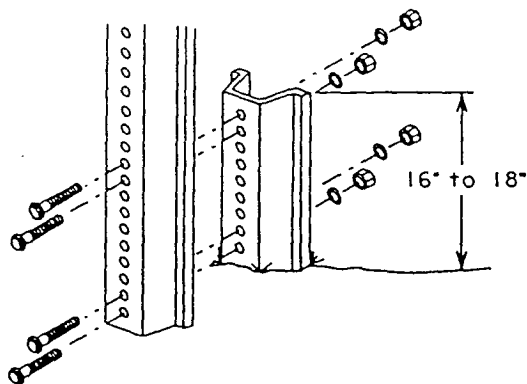
The Splice Lap Shall Be 16 to 18 Inches
And Fastened By Four 5/16-Inch
Diameter Galvanized A449 Bolts
(SAE J429 Grade 5) Or Galvanized A325
Bolts, Two Bolts At Both Ends Of The Splice,
Through The Holes Nearest The Ends Of
The Splice.

The Splice Should Not Extend Below
The Ground.

The 4 foot Base And Sign Support Posts
Shall Be 3 Lbs. per foot.

Spacers (Short Pieces Of Pipe) Over
The Bolts And Between The Spliced
Pieces Of U-Channel Are Acceptable.

The Portion Of The Post Extending
Upward From The Splice Is Located
On The Back (Non-Impact) Side Of
The Lower Portion Of The Post.



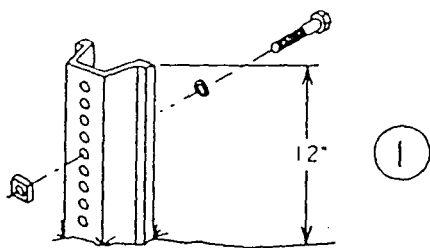
TYPICAL END VIEW
(FINISHED ASSEMBLY)

NOTE: Other Types of Steel Breakaway Sign Posts
May Be Used When Such Posts Meet Current
AASHTO Safety Criteria Requirements.

JULY 19, 1994

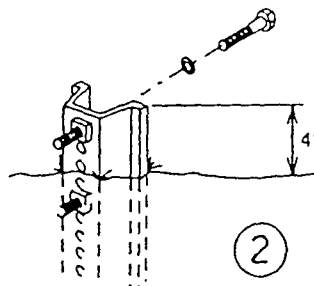
DATE: 1-30-95 <i>[Signature]</i> Director of Engineering <i>[Signature]</i> Director of Construction	STATE OF SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION BREAKAWAY SIGN SUPPORTS	PLATE NUMBER S3
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SIGN SUPPORT SAFETY FEATURES U-CHANNEL STEEL POSTS



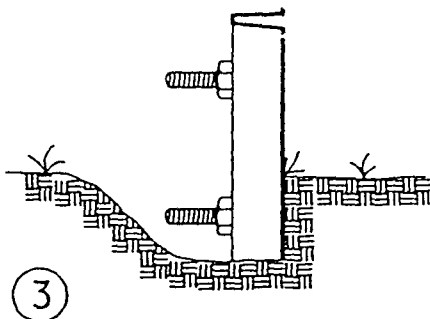
Drive 3.5 foot base post to within approximately 12 inches above ground level.

Place one bolt and cut washer in fifth hole from the end, and securely tighten threaded spacer onto bolt.



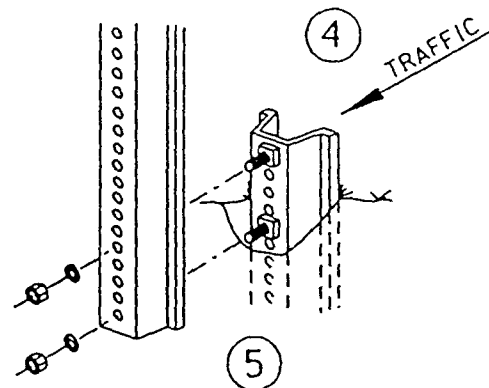
Drive base post to 4 inches above ground level.

Place remaining bolt and cut washer in first hole from the end, and securely tighten threaded spacer onto bolt.



Dig out approximately 2 inches from around back of ground post to allow room for top post to be attached.

Nest top post over protruding base post bolts, through the first and fifth holes of the top post.



Place a lock washer and or lock nut on each bolt.

Tighten nuts and tamp earth around ground post firmly.

JULY 19, 1994

DATE 1-30-95
APPROVED *[Signature]*
BY *[Signature]*

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
- M TYPE -
BREAKAWAY SIGN SUPPORTS

PLATE
NUMBER
S4

Channelizing devices separating the work area from the traveled way shall be provided in accordance with the following criteria:

- When a difference in elevation between the shoulder work area and adjacent driving lane is 2" or less, the Engineer shall determine the need for delineation devices. Such devices, if required, shall be cones or vertical panels with the spacing between devices not to exceed 5 times the numerical value of the posted speed limit prior to work.
- When a difference in elevation between the shoulder work area and adjacent driving lane is greater than 2" the following shall apply:
 - When granular material compacted to the satisfaction of the Engineer, is in place along the edge and flush with the surface of the driving lane, at a slope of 4:1 or flatter, channelizing devices will not be required.
 - When compacted slope material, as described in subsection A, above, is not in place and a drop-off greater than 2" but no more than 4" exists, install cones or vertical panels at a maximum spacing of 4 times the numerical value of the posted speed limit prior to work. Where a drop-off of more than 4" occurs, install vertical panels (no cones) at a maximum spacing of 2 times the numerical value of the posted speed limit prior to work.

Need for flagman to be determined at site by the Engineer. When flagman is used, the W20-7a sign shall be installed. When flagman is not required, the W21-3 sign shall be used.

NOTE: The maximum spacing between channelizing devices in a taper should be approximately equal in feet to the speed limit.

* Normal spacing should be approximately equal to 10 times the numerical value of the posted speed limit prior to work, but can be adjusted to compensate for sight or project conditions.

*** Signs not required if activity is within a construction zone.

□ □ CHANNELIZING DEVICES

2-LANE ROAD

When a drop-off of more than 2" exists overnight or longer, provide a Shoulder Drop-off sign in advance of each drop-off section and at one-mile intervals.

NOTES:

1. Taper Formula:
 $L = S \times W$ for speeds of 45 or more.
 $L = WS^2/60$ for speeds of 40 or less.

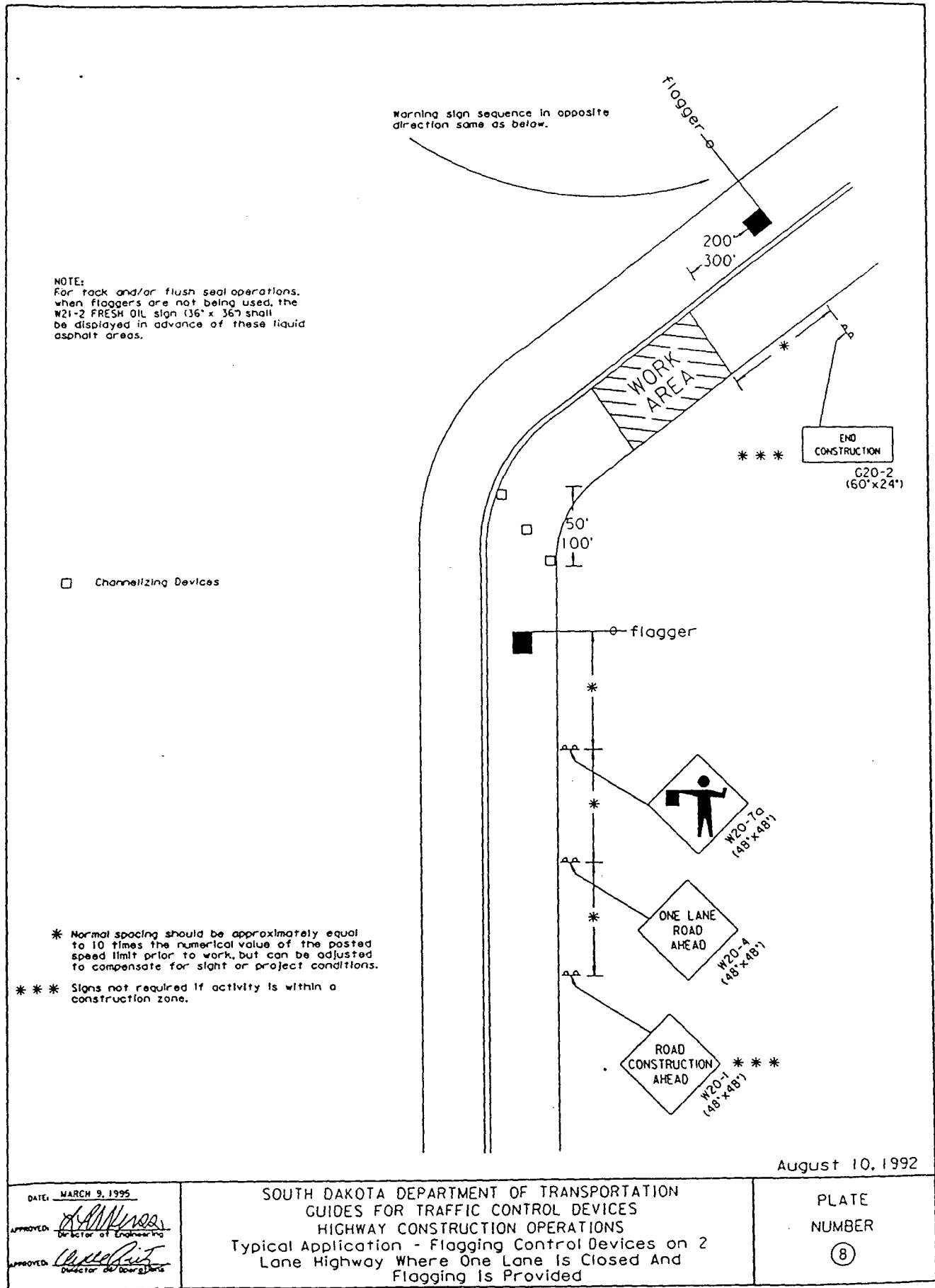
WHERE:
 L = Minimum length of taper.
 S = Numerical value of posted speed limit prior to work or 85 percentile speed.
 W = Width of offset.

JULY 1, 1992

SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION
 GUIDES FOR TRAFFIC CONTROL DEVICES
 HIGHWAY CONSTRUCTION OPERATIONS
 Typical Application - Shoulder Work Operation
 On 2-Lane High Speed Highways With Improved Shoulder

PLATE NUMBER
 3a

DESMET - BIG SLOUGH WETLAND MITIGATION PROJECT



DESMET - BIG SLOUGH WETLAND MITIGATION PROJECT

NOTES:

Signs and barricades that are periodically required to be moved, due to construction operations, shall be placed at locations where they give sufficient warning to motorists and pedestrians of the conditions ahead and shall be relocated as needed to keep signing current at required locations.

The Contractor shall protect and restrict all pedestrians from work areas.

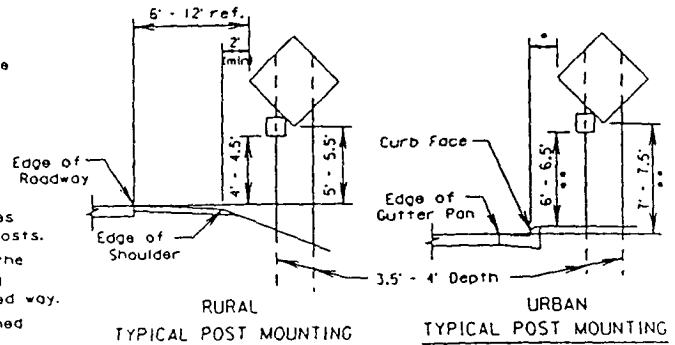
Open excavations shall be covered or barricaded.

All signs mounted on fixed supports which are wider than 36 inches or larger than 10 square feet in area shall be mounted on two posts.

When traffic is being controlled both in speed and direction by the use of Pilot Car and Flagman, it is not intended that channelizing devices be required to separate the work area from the traveled way.

The exact location of all Traffic Control Devices shall be determined at the site.

When provided, Truck Crossing signs will be used at locations as shown on the plans and/or as determined in the field.



* 2' - 2.5' without Curb Sidewalk; 6' - 6.5' with Curb Sidewalk

** Use these mounting heights when signs are adjacent to a 4-lane undivided roadway or where sidewalk exists or where curbside parking is permitted. In all other cases, use the lesser mounting heights shown for rural areas.

ITEMIZED LIST FOR TRAFFIC CONTROL BID ITEM

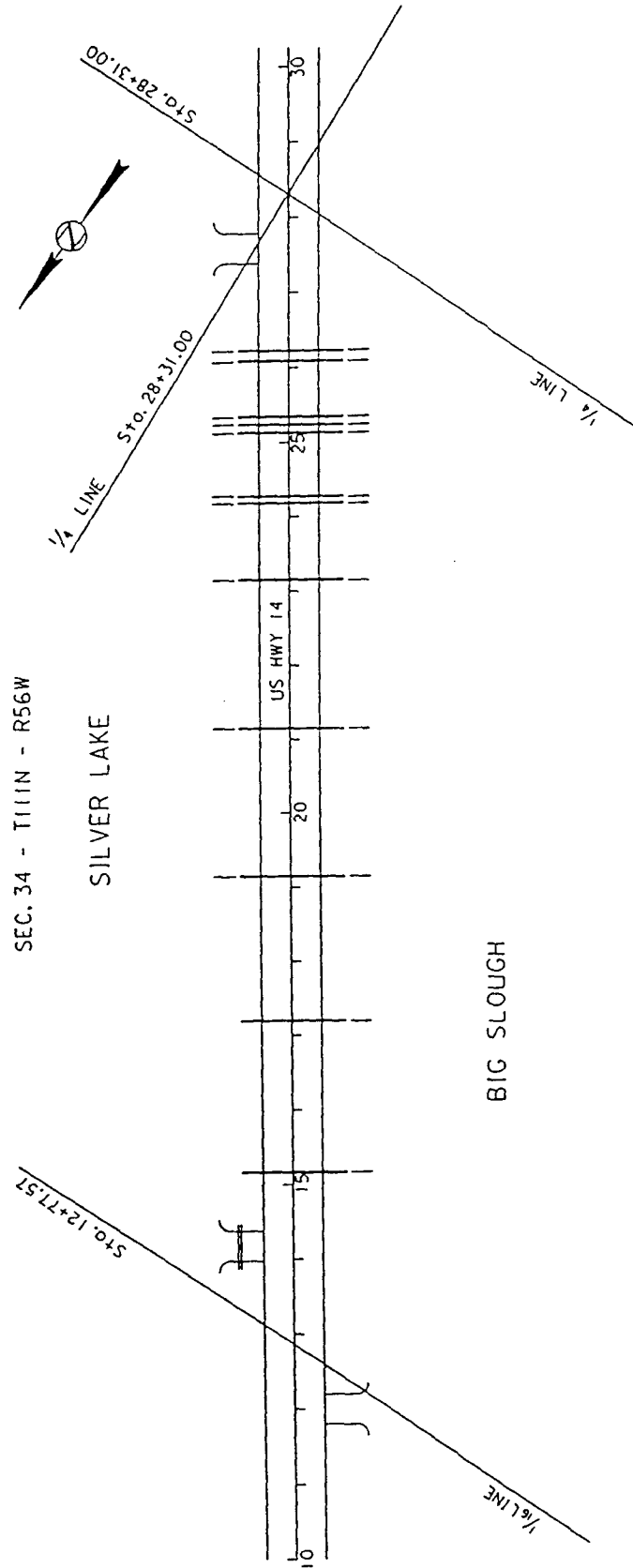
SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED	UNITS PER AMOUNT	SUB TOTAL	TOTAL QUANTITY
G20-1	60"x36"	ROAD CONSTRUCTION NEXT MILES		34		400 UNITS
G20-2	60"x24"	END CONSTRUCTION	2	30	60	
M4-10	48"x18"	DETOUR ARROW (LEFT OR RIGHT)		22		
R1-1	48"x48"	STOP		34		
R1-2	48"x48"x48" 36"x30"	YIELD AND TO ONCOMING TRAFFIC		45		
R4-1	24"x30"	DO NOT PASS		15		
R4-7	24"x30"	KEEP RIGHT (SYMBOL)		15		
R4-8	24"x30"	KEEP LEFT (SYMBOL)		15		
R10-6	24"x36"	STOP HERE ON RED		20		
R11-2	48"x30"	ROAD CLOSED		26		
R11-3	60"x30"	ROAD CLOSED MILES AHEAD LOCAL TRAFFIC ONLY		30		
R11-4	60"x30"	ROAD CLOSED TO THRU TRAFFIC		30		
SW12-1B	120"x60"	HIGHWAY WORKERS GIVE'EM A BRAKE		60		
W1-1	48"x48"	LEFT OR RIGHT TURN ARROW		34		
W1-2	48"x48"	LEFT OR RIGHT CURVE ARROW		34		
W1-3	48"x48"	REVERSE TURN SIGN (LEFT OR RIGHT)		34		
W1-4	48"x48"	REVERSE CURVE SIGN (LEFT OR RIGHT)		34		
W1-6	48"x24"	LARGE ARROW		26		
W3-1A	48"x48"	STOP AHEAD (SYMBOL)		34		
W3-2A	48"x48"	YIELD AHEAD (SYMBOL)		34		
W3-3	48"x48"	SIGNAL AHEAD (SYMBOL)		34		
W4-2	48"x48"	LEFT OR RIGHT LANE ENDS (SYMBOL)		34		
W5-2	36"x36"	NARROW BRIDGE		26		
W5-3	48"x48"	ONE LANE BRIDGE		34		
W6-3	48"x48"	TWO WAY TRAFFIC (SYMBOL)		34		
W8-1	36"x36"	BUMP		26		
W8-6	48"x48"	TRUCK CROSSING		34		
W8-7	36"x36"	LOOSE GRAVEL		26		
W8-7A	36"x36"	WINDROW		26		
W21-13	48"x48" & 24"x18"	SHOULDER DROP-OFF (SYM. & PLA.) (LT. OR RT.)		49		
W13-1	24"x24"	ADVISORY SPEED PLATE		15		
W20-1	48"x48"	ROAD CONSTRUCTION FT. OR AHEAD	2	34	68	
W20-2	48"x48"	DETOUR FT. OR AHEAD		34		
W20-3	48"x48"	ROAD CLOSED FT. OR AHEAD		34		
W20-4	48"x48"	ONE LANE ROAD FT. OR AHEAD	2	34	68	
W20-5	48"x48"	LT. OR RT. LANE CLOSED FT. OR AHEAD		34		
W20-7A	48"x48"	FLAGMAN FT. OR AHEAD (SYMBOL)	2	34	68	
W21-2	36"x36"	FRESH OIL		26		
W21-3	48"x48"	ROAD MACHINERY AHEAD	2	34	68	
W21-5	48"x48"	SHOULDER WORK	2	34	68	
W21-14	48"x48" & 24"x18"	UNEVEN LANES (SYM. & PLA.) (LT. OR RT.)		49		
----	12"x36"	TYPE 3 OBJECT MARKER		15		
----	----	TYPE III BARRICADES		5 UNITS PER FT. WIDTH		
----	----	TEMP. PAVEMENT MARKING TAPE - TYPE 1		1 UNIT PER 5 LIN. FT.		
----	----	TEMP. PAVEMENT MARKING TAPE - TYPE 2		1 UNIT PER 3 LIN. FT.		
----	----	PAVEMENT MARKING PAINT		5 UNITS PER GALLON		
----	----	REMOVAL OF EXISTING PAVEMENT MARKINGS		1 UNIT PER 5 LIN. FT.		

LIST OF OTHER TRAFFIC CONTROLS FOR ROAD CONSTRUCTION

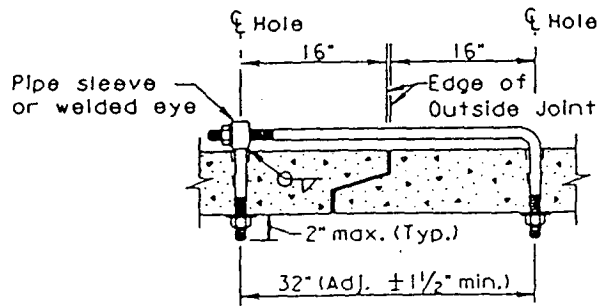
BID ITEM	DESCRIPTION	QUANTITY
TRAFFIC CONTROL MISC.	TYPE I & II BARRICADES, CONES, VERTICAL PANELS, DRUMS, BARRICADE WARNING LIGHTS, DELINEATORS, WATCHMAN, TUBULAR MARKERS, FLAGS AND INSTALLATION OF STATE FURNISHED SIGNS	LUMP SUM
FLAGGING		30 HR.
PILOT CAR	INCLUDING DRIVER AND APPROPRIATE SIGNS	HR.
ADVANCE WARNING ARROW PANEL	TYPE A ----, TYPE B ----, TYPE C ----	EA.

634.01
1-13-94

DESMET - BIG SLOUGH
WETLAND MITIGATION PROJECT



DESMET - BIG SLOUGH
WETLAND MITIGATION PROJECT



Adjustable Eye Bolt Tie

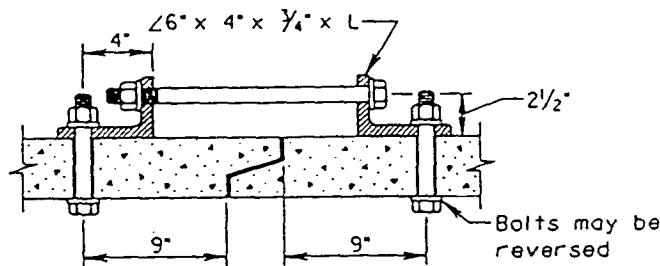
GENERAL NOTES:

Tie bolts to be furnished with 2 washers and 2 nuts except for the $\frac{3}{16}$ " rod which has unthreaded legs.

Use $\frac{3}{16}$ " rod diameter and $\frac{5}{8}$ " thread diameter for pipe wall thickness of 2"-3 1/4".

Use $\frac{1}{4}$ " rod diameter and $\frac{3}{4}$ " thread diameter for pipe wall thickness of 3 1/2"-6 1/2".

Use $\frac{3}{8}$ " rod diameter and 1" thread diameter for pipe wall thickness of 7" and up.

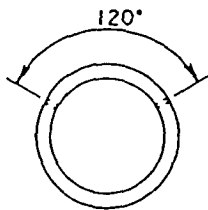


Angle And Bolt Tie

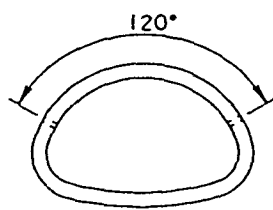
GENERAL NOTES:

L = 4" for $\frac{3}{4}$ " Bolt. L = 6" for 1" Bolt.

Use 3/4" Tie Bolts for pipe diameters less than 48".



End View
"Circular"



End View
"Arch"

GENERAL NOTES:

In lieu of Tie Bolts detailed above, Tecktonius Fasteners or other type Tie Bolt connections may be installed if approved by the Engineer.

There will be no separate measurement or payment for Tie Bolts.

The cost of the Tie Bolts shall be absorbed in the contract unit price per linear foot for R.C.P. and/or R.C.P. Arch.

The first three Sections (both Inlet and outlet) on R.C.P. and R.C.P. Arch up to and including the 78" diameter or equivalent pipe shall be tied with Tie Bolts. Pipe sizes above 78" diameter or equivalent diameter shall have all Sections tied. Each End Section is considered as one section.

May 9, 1991

SPECIFICATION
REFERENCE
NO.
450

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
TIE BOLTS FOR
END SECTIONS OF R. C. P.

PLATE
NUMBER
450.24

UNITED STATES DEPARTMENT OF THE INTERIOR
U.S. FISH AND WILDLIFE SERVICE
EXHIBIT "A"

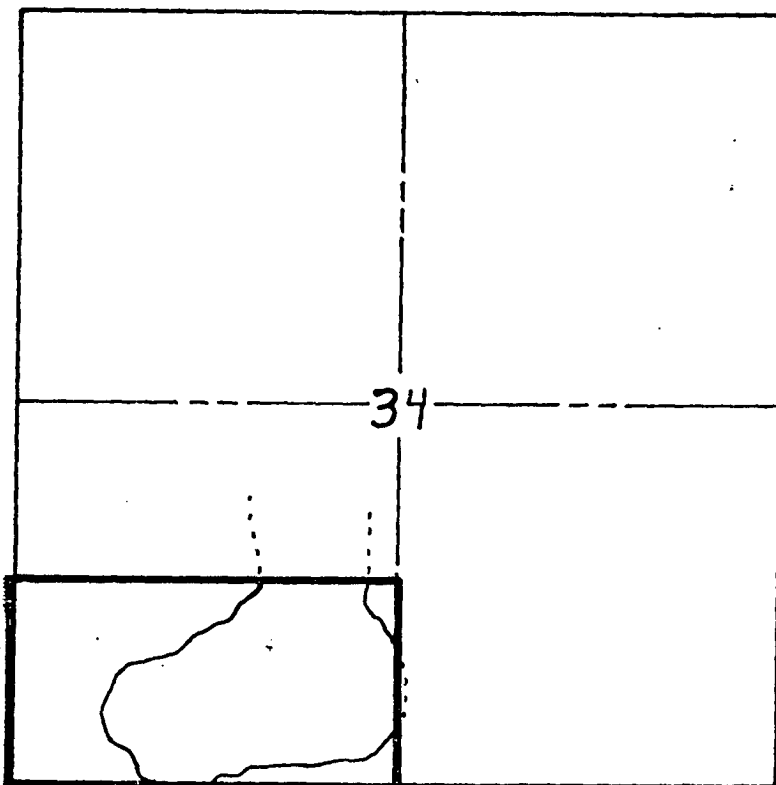
Map 1 of 1

Gehm, Lyndon

TRACT (398X)

WATERFOWL PRODUCTION AREA Kingsbury COUNTY, STATE OF South Dakota
EASEMENT AUTHORIZED BY MIGRATORY BIRD HUNTING STAMP ACT OF MARCH 16, 1934, AS AMENDED.

T. 111 N., R. 56 W., 5th PRINCIPAL MERIDIAN
section 34, S $\frac{1}{2}$ SW $\frac{1}{4}$



Scale: 4 Inches = 1 Mile

This map delineates wetlands referred to in the easement conveyance dated May 8, 1980 which the parties of the first part agree to maintain as a waterfowl production area. The lands covered by this conveyance include any enlargement of the delineated wetland areas resulting from normal or abnormal increased water.

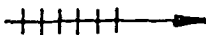
LEGEND

—————

Boundary of Easement Description



Wetlands covered by provisions of the easement



Nonfunctional drainage facilities which the landowner agrees NOT to repair or clean out

X

Lyndon Gehm

Landowner Signature

Prepared by: Jack D. Hise

Date: April 28, 1980

UNITED STATES DEPARTMENT OF THE INTERIOR

U. S. FISH AND WILDLIFE SERVICE

CONVEYANCE OF EASEMENT FOR WATERFOWL MANAGEMENT RIGHTS

THIS INDENTURE, by and between
De Smet, South Dakota

Lyndon Gehm, a single person of

parties of the first part, and the UNITED STATES OF AMERICA, acting by and through the Secretary of the Interior or his authorized representative, party of the second part.

WITNESSETH:

WHEREAS, section 4 of the Migratory Bird Hunting Stamp Act of March 16, 1934, as amended by section 3 of the Act of August 1, 1958 (72 Stat. 486, 16 U.S.C., sec. 718d (c)), authorizes the Secretary of the Interior to acquire small wetland or pothole areas suitable for use as waterfowl production areas:

WHEREAS, the lands described below contain or include small wetland or pothole areas suitable for use as waterfowl production areas:

NOW, THEREFORE, for and in consideration of the sum of (\$ 1,710.00) Dollars, the parties of the first part do hereby convey to the United States, commencing with the acceptance of this indenture by the Secretary of the Interior or his authorized representative which acceptance must be made within six months of the execution of this indenture by the parties of the first part, or any subsequent date as may be mutually agreed upon during the term of this option, a permanent easement (in perpetuity) or right of use for the maintenance of the land described below as a waterfowl production area, including the right of access thereto by authorized representatives of the United States.

The lands covered by this conveyance are those wetland areas, including lakes, ponds, marshes, sloughs, swales, swamps, potholes, and other wholly or partially water-covered areas, now existing or subject to recurrence through natural or man-made causes, delineated on the map(s) attached hereto as Exhibit A and incorporated herein by this reference; provided, always, that the lands covered by this conveyance shall include any enlargements of said wetland areas resulting from normal or abnormal increased water. Said lands are located within, and the aforementioned right of access extends over all lands within the following

described legal subdivision(s) in Kingsbury County, State of South Dakota, to wit:

T. 111 N., R. 56 W., 5th P.M.
section 34, S $\frac{1}{2}$ SW $\frac{1}{4}$

Subject, however, to all existing rights-of-way for highways, roads, railroads, pipelines, canals, laterals, electrical transmission lines, telegraph and telephone lines, cable lines, and all mineral rights.

The parties of the first part, for themselves, their heirs, successors and assigns, covenant and agree that they will cooperate in the maintenance of the aforesaid lands as a waterfowl production area by not draining, causing or permitting the draining by construction of ditches, or by any means, direct or indirect, whether through the transfer of appurtenant water rights or otherwise, of any surface waters in or appurtenant to these wetland areas delineated on Exhibit A; by not filling in with earth or any other material or leveling any part or portion of said delineated wetland areas; and by not burning any marsh vegetation on any part or portion of said delineated wetland areas. It is understood and agreed that this indenture imposes no other obligations or restrictions upon the parties of the first part and that neither they nor their successors, assigns, lessees, or any other person or party claiming under them shall in any way be restricted from carrying on farming practices such as grazing at any time, hay cutting, plowing, working and cropping wetlands when the same are dry of natural causes, and that they may utilize all of the subject lands in the customary manner except for the draining, filling, leveling, and burning provisions mentioned above.

Copies of the above-referenced map(s), being Exhibit A, are on file in the Office of the Regional Director, U.S. Fish and Wildlife Service.

SPECIAL PROVISIONS

1. This indenture shall not be binding upon the UNITED STATES OF AMERICA until accepted on behalf of the United States by the Secretary of the Interior or his authorized representative, although this indenture is acknowledged by the parties of the first part to be presently binding upon the parties of the first part and to remain so until the expiration of said period for acceptance, as hereinabove described, by virtue of the payment to parties of the first part, by the UNITED STATES OF AMERICA, of the sum of One Dollar, the receipt of which is hereby expressly acknowledged by parties of the first part.

14-16-0006-80-690

2. Notice of acceptance of this agreement shall be given the parties of the first part by certified mail addressed to
Lyndon Gehm
at De Smet, South Dakota 57231
and such notice shall be binding upon all the parties of the first part without sending a separate notice to each.

3. It is further mutually agreed that no Member of or Delegate to Congress, or Resident-Commissioner, shall be admitted to any share or part of this contract, or to any benefit to arise thereupon. Nothing, however, herein contained shall be construed to extend to any incorporated company, where such contract is made for the general benefit of such incorporation or company.

4. Payment of the consideration will be made by a United States Treasury check after acceptance of this indenture by the Secretary of the Interior or his authorized representative and after the Attorney General, or in appropriate cases, the Solicitor of the Department of the Interior shall have approved the easement interest thus vested in the United States.

IN WITNESS WHEREOF the parties of the first part have hereunto set their hands and seals this
8th day of May, 1980.

Lyndon Gehm (L.S.) _____ (L.S.)
Lyndon Gehm

ACKNOWLEDGMENT

STATE South Dakota
COUNTY OF Kingsbury } ss

On this 8th day of May, in the year 1980, before me personally appeared

Lyndon Gehm, a single person, ~~known to me to~~ known to me to
be the persons described in and who executed the foregoing instrument and acknowledged to me that ~~he~~ (he) executed the same
as ~~their~~ (his) free act and deed.

(SEAL)

Jack D. Hise
Jack D. Hise
South Dakota
(Notary Public)

My commission expires 10/10/86

ACCEPTANCE

The Secretary of the Interior, acting by and through his authorized representative, has executed this agreement on
behalf of the United States this _____ day of _____ 19____

SEP 3 0 1980

THE UNITED STATES OF AMERICA
Original signed by
By Glyde Jones
(Title) Acting Regional Director
U. S. Fish and Wildlife Service

UNITED STATES DEPARTMENT OF THE INTERIOR
U.S. FISH AND WILDLIFE SERVICE
EXHIBIT "A"

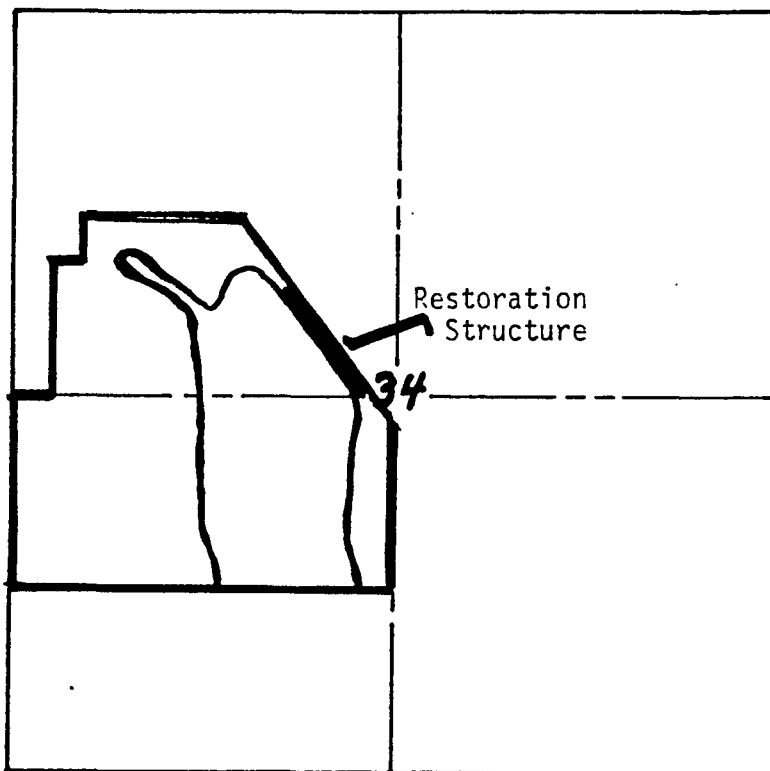
Map 1 of 1

Geyer, Arthur B.

TRACT (434X)

WATERFOWL PRODUCTION AREA Kingsbury COUNTY, STATE OF South Dakota
EASEMENT AUTHORIZED BY MIGRATORY BIRD HUNTING STAMP ACT OF MARCH 16, 1934, AS AMENDED.
T. 111 N., R. 56 W., 5th PRINCIPAL MERIDIAN

section 34, N $\frac{1}{2}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$ lying west of Highway 14, and except W. 20 rods and except the north 15 rods of the east 25 rods of the west 45 rods.



Scale: 4 Inches = 1 Mile

This map delineates wetlands referred to in the easement conveyance dated 9/13/89 which the parties of the first part agree to maintain as a waterfowl production area. The lands covered by this conveyance include any enlargement of the delineated wetland areas resulting from normal or abnormal increased water.

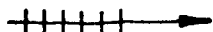
LEGEND

—————

Boundary of Easement Description



Wetlands covered by provisions of the easement



Nonfunctional drainage facilities which the landowner agrees NOT to repair or clean out

Arthur B. Geyer
Landowner Signature

Prepared by: William Barnes Date: 8/29/89

UNITED STATES DEPARTMENT OF THE INTERIOR

U. S. FISH AND WILDLIFE SERVICE

CONVEYANCE OF EASEMENT FOR WATERFOWL MANAGEMENT RIGHTS

THIS INDENTURE, by and between Arthur B. Geyer and Barbara J. Geyer, his wife,
of DeSmet, South Dakota,

parties of the first part, and the UNITED STATES OF AMERICA, acting by and through the Secretary of the Interior or his
authorized representative, party of the second part.

WITNESSETH:

WHEREAS, section 4 of the Migratory Bird Hunting Stamp Act of March 16, 1934, as amended by section 3 of the
Act of August 1, 1958 (72 Stat. 486, 16 U.S.C., sec. 718d (c)), authorizes the Secretary of the Interior to acquire small wetland
or pothole areas suitable for use as waterfowl production areas:

WHEREAS, the lands described below contain or include small wetland or pothole areas suitable for use as waterfowl
production areas:

NOW, THEREFORE, for and in consideration of the sum of (\$ 7,300.00)

Seven Thousand Three Hundred-----Dollars, the parties of the
first part do hereby convey to the United States, commencing with the acceptance of this indenture by the Secretary of the Interior
or his authorized representative which acceptance must be made within 9 months of the execution of this indenture by
the parties of the first part, or any subsequent date as may be mutually agreed upon during the term of this option, a permanent
easement (in perpetuity) or right of use for the maintenance of the land described below as a waterfowl production area, including
the right of access thereto by authorized representatives of the United States.

The lands covered by this conveyance are those wetland areas, including lakes, ponds, marshes, sloughs, swales, swamps,
potholes, and other wholly or partially water-covered areas, now existing or subject to recurrence through natural or man-made
causes, delineated on the map(s) attached hereto as Exhibit A and incorporated herein by this reference; provided, always, that
the lands covered by this conveyance shall include any enlargements of said wetland areas resulting from normal or abnormal
increased water. Said lands are located within, and the aforementioned right of access extends over all lands within the following
described legal subdivision(s) in Kingsbury County, State of South Dakota, to wit:

T. 111 N., R. 56 W., 5th P.M.

section 34, N $\frac{1}{2}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$ lying west of Highway 14, and except W. 20 rods
and except the north 15 rods of the east 25 rods of the west
45 rods.

Subject, however, to all existing rights-of-way for highways, roads, railroads, pipelines, canals, laterals, electrical
transmission lines, telegraph and telephone lines, cable lines, and all mineral rights.

The parties of the first part, for themselves, their heirs, successors and assigns, covenant and agree that they will cooperate in
the maintenance of the aforesaid lands as a waterfowl production area by not draining, causing or permitting the draining by
construction of ditches, or by any means, direct or indirect, whether through the transfer of appurtenant water rights or otherwise, of
any surface waters in or appurtenant to these wetland areas delineated on Exhibit A; by not filling in with earth or any other material
or leveling any part or portion of said delineated wetland areas; and by not burning any marsh vegetation on any part or portion of said
delineated wetland areas. It is understood and agreed that this indenture imposes no other obligations or restrictions upon the parties
of the first part and that neither they nor their successors, assigns, lessees, or any other person or party claiming under them shall in any
way be restricted from carrying on farming practices such as grazing at any time, hay cutting, plowing, working and cropping wetlands
when the same are dry of natural causes, and that they may utilize all of the subject lands in the customary manner except for the
draining, filling, leveling, and burning provisions mentioned above.

Copies of the above-referenced map(s), being Exhibit A, are on file in the Office of the Regional Director, U.S. Fish
and Wildlife Service.

SPECIAL PROVISIONS

1. This indenture shall not be binding upon the UNITED STATES OF AMERICA until accepted on behalf of the
United States by the Secretary of the Interior or his authorized representative, although this indenture is acknowledged by the
parties of the first part to be presently binding upon the parties of the first part and to remain so until the expiration of said period
for acceptance, as hereinabove described, by virtue of the payment to parties of the first part, by the UNITED STATES OF
AMERICA, of the sum of One Dollar, the receipt of which is hereby expressly acknowledged by parties of the first part.

1a. The United States and its authorized representatives shall have the
right to construct, reconstruct, and maintain all wetland restoration structures
shown on Exhibit A, including the right to maintain structure outlets at the 1693.1
mean sea level (MSL) elevations specified.

Due to record 430790
Book 31 of Misc.
Page 692

2. Notice of acceptance of this agreement shall be given the parties of the first part by certified mail addressed to

Mr. Arthur Geyer

at R.R. 2, Box 84, DeSmet, SD 57231
and such notice shall be binding upon all the parties of the first part without sending a separate notice to each.

3. It is further mutually agreed that no Member of or Delegate to Congress, or Resident Commissioner, shall be admitted to any share or part of this contract, or to any benefit to arise thereupon. Nothing, however, herein contained shall be construed to extend to any incorporated company, where such contract is made for the general benefit of such incorporation or company.

4. Payment of the consideration will be made by a United States Treasury check after acceptance of this indenture by the Secretary of the Interior or his authorized representative and after the Attorney General, or in appropriate cases, the Solicitor of the Department of the Interior shall have approved the easement interest thus vested in the United States.

IN WITNESS WHEREOF the parties of the first part have hereunto set their hands and seals this

13 day of September, 19 89.

_____(L.S.) Arthur B. Geyer (L.S.)
Arthur B. Geyer
_____(L.S.) Barbara J. Geyer (L.S.)
Barbara J. Geyer
_____(L.S.) _____ (L.S.)
_____(L.S.) _____ (L.S.)

ACKNOWLEDGMENT

STATE South Dakota }
COUNTY OF Kingsbury } ss

On this 13 day of September, in the year 1989, before me personally appeared

Arthur B. Geyer and Barbara J. Geyer, his wife, known to me to be the persons described in and who executed the foregoing instrument and acknowledged to me that they ~~had~~ executed the same as their ~~own~~ free act and deed.

William B. Barnes, Jr.
William B. Barnes, Jr.

(SEAL) _____
(Notary Public)

My commission expires 9/20/90

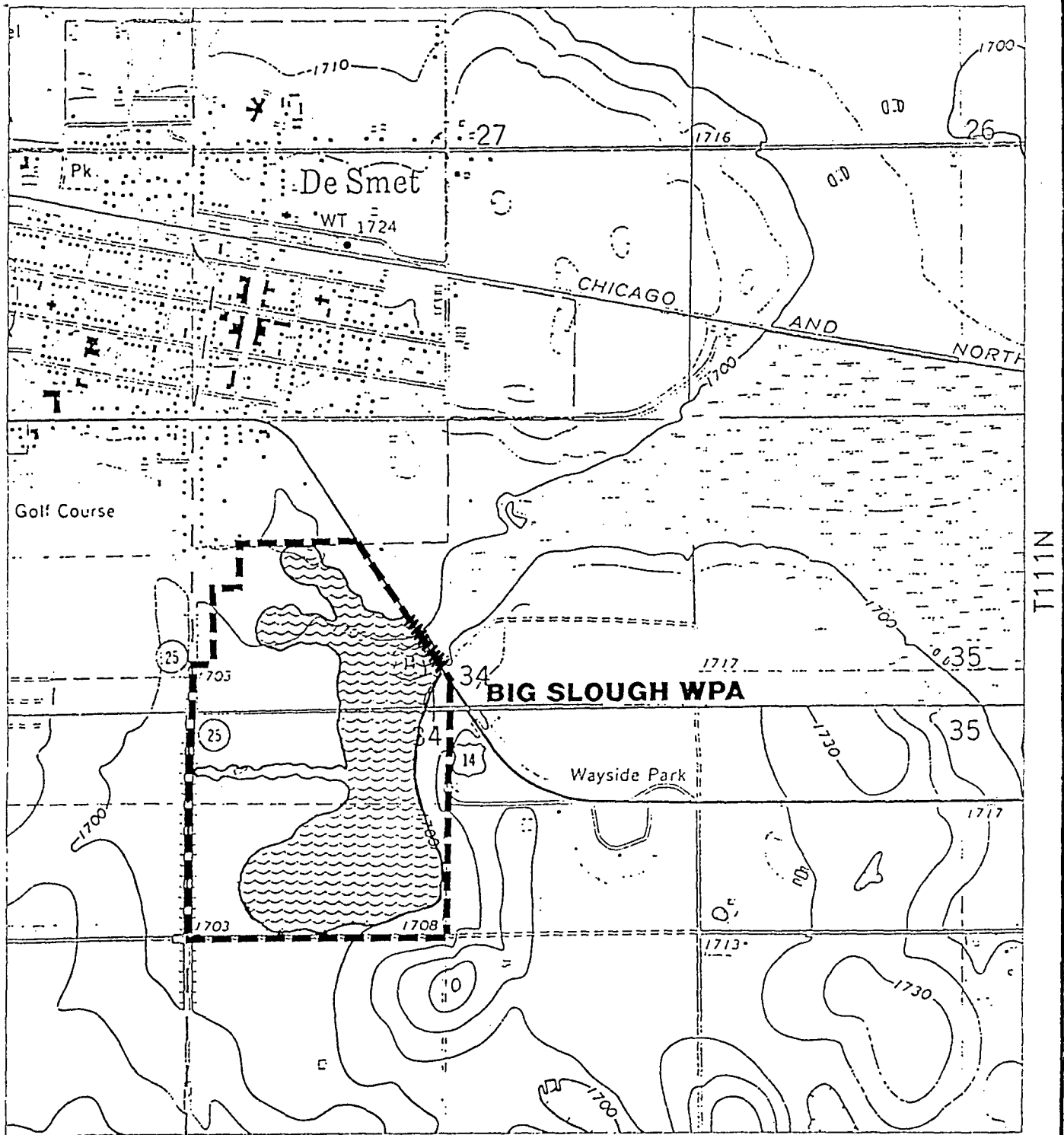
ACCEPTANCE

The Secretary of the Interior, acting by and through his authorized representative, has executed this agreement on behalf of the United States this _____ day of JAN 19 _____

THE UNITED STATES OF AMERICA

By /s/ [Signature]
Senior [Title]
(Title) U. S. Fish and Wildlife Service

R56W



I, Albert E. Bevilacqua, of the U.S. Fish and Wildlife Service, P.O. Box 25486, DFC, Denver, CO. 80225, do hereby certify that this map was prepared from notes and drawings obtained under my direction, and that it correctly represents the works for the accompanying application.

Jack R. Meyers
Acting Regional Engineer



UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
ENGINEERING

MADISON
WETLAND MANAGEMENT DISTRICT
KINGSBURY COUNTY, SOUTH DAKOTA

WATER RIGHTS FILING MAP

DESIGNED: GP	DRAWN: DLM	CHECKED: CW	DATE: 4-96	DENVER, COLO.
DRAWING No. 6R-SD-653-WR-P-31.0				SHEET: 1 OF 1

5938-3



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Mountain-Prairie Region

IN REPLY REFER TO:

BA WTR
WTR SD
Mail Stop 60189

MAILING ADDRESS:

Post Office Box 25486
Denver Federal Center
Denver, Colorado 80225

STREET LOCATION:

134 Union Blvd.
Lakewood, Colorado 80228



APR 15 1996

Mr. John Hatch
Department of Environment
and Natural Resources
Joe Foss Building, 523 East Capitol
Pierre, South Dakota 57501-3181

Dear Mr. Hatch:

The Fish and Wildlife Service, in conjunction with the South Dakota Department of Transportation (DOT), proposes to restore a natural marsh at the Big Slough Waterfowl Production Area in Kingsbury County, South Dakota. Enclosed please find the following related documents:

- (1) Form 2, Application for Permit to Appropriate Water in the State of South Dakota;
- (2) South Dakota Department of Transportation Plans and Specifications, 17 sheets;
- (3) Filing Map No. 6R-SD-653-WR-P-31.0;
- (4) Copies of easement documents for subject lands; and
- (5) Filing Fee in the amount of \$250 provided by the DOT.

Should you have any questions or require further information regarding this application, please contact Ginger Price at (303) 236-5321, extension 238. Any questions you may have regarding the plans should be directed to Mr. Dave Graves at the DOT at (605) 773-5727.

Sincerely,

Cheryl C. Williss
Chief, Division of Water Resources

Enclosures (4)



Department of Transportation
Division of Planning/Engineering
Office of Project Development - Environmental
700 E Broadway Avenue
Pierre, South Dakota 57501-2586
FAX: 605/773-6608



22May1996

RE: NH0014(00)379 PCEMS 145P

Mr. Gale Selken
Department of Environment and Natural Resources
Joe Foss Building, 523 East Capitol
Pierre, South Dakota 57501-3181

Dear Mr. Selken,

Attached is a package of material submitted by the United States Fish and Wildlife Department to obtain a permit to appropriate water in the State of South Dakota. The SDDOT has agreed to pay the \$250 filing fee. Please route the application package through the proper channels and initiate the payment procedure. You advised in a telephone conversation today that payment could possibly be handled through an interagency transfer of funds such as a non-cash voucher. Thanks for your help.

Sincerely,

Dave Graves
Dave Graves
SDDOT Environmental

(605) 773 5727

Attachment to : Application for
Permit to Appropriate Water in
the State of South Dakota

EVAPOTRANSPIRATION COMPUTATION
for
BIG SLOUGH WPA
KINGSBURY COUNTY, SOUTH DAKOTA



The Mean Annual Precipitation of 21.69 inches and the Mean Annual Evaporation of 50.00 inches results in a loss of 28.31 inches or 2.36 feet annually. Over the 85 surface acre marsh, this results in a net loss of 201 acre-feet annual seasonal use.

201 AF Seasonal
85 AF Capacity
286 AF Total Use

X

Do not use this space

State of South Dakota VOUCHER

- ☐ Direct
 (Z) ☐ Travel
 (N) ☒ Non-Cash
 (C) ☐ Cash Receipt

- (T) ☐ Cash Transfer
 (I) ☐ Investment
 (B) ☐ Appropriation Budget Transfer

- (E) ☐ Expenditure Correction
 (R) ☐ Revenue Correction
 (P) ☐ Period Ending Adjustment
 (A) ☐ Other Adjustment

6-28-96

AGENCY USE ONLY			APPROVAL OFFICE ONLY	
Application Area 75	Vendor Number	Invoice ID	Voucher Number	Date
Date 5-28-96	Purchase Order ID	Document ID N2096023	Delivery Date	Payment Due Date
S T A P L E	TO: (Payee, Billed Agency) DOT Planning / Engineering to Dave Graves		FROM: (Department, Billing Agency) DEIR Fiscal Office	

FUNDING INFORMATION											Debit/Credit		Dr	Cr	U C S O D E D R E
S E Q	Company	Account		Center		Project		Amount	Code	Invoices	1	6			
		Required	User	Required	User	Company	Number			Other	Dr	Cr			
1	2013	4-000000		2011	1000000			250	-						
2															
3															
4															
5															
6															
7															
8															
9															
10															
							Total	500	-						

Description of Service, Product, or Transfer	
Permit Application for Big Slough Waterfowl Production Area in Kingsbury County, SD.	
Total	

I declare and affirm under the penalties of perjury that this claim has been examined by me, and to the best of my knowledge and belief, is in all things true and correct.

Claimant

Date

Authorization

Date

Authorization

Date

Review completed by
Lynn Beck

Permit Application No. 5938-3

6-17-96 1/2

$$\text{Watershed area} = 2781.58 \text{ ac.} = 4.35 \text{ mi}^2$$

$$\text{Avg. Watershed slope} = .0217\% = 114.4' \text{ / mi.}$$

$$100' / 4000' = .025$$

$$80' / 4000' = .020$$

$$120' / 4000' = .030$$

$$.0650\% \div 3 = .0217\%$$

$$\text{Soil index} = 3.33$$

From U.S. G.S. Techniques for Estimating Flood Peaks, Volumes,
and Hydrographs on Small Streams in South Dakota:

$$Q = CA^n S^m Si^{-L} \quad V = CA^n Si^{-L} \quad \text{page 4.}$$

$$Q_2 = 21.2 (4.35)^{0.48} (114.4)^{0.44} (3.33)^{-1.16} = 85.60 \text{ cfs}$$

$$V_2 = 129 (4.35)^{0.72} (3.33)^{-1.74} = 45.84 \text{ ac. ft.}$$

$$Q_5 = 41.2 (4.35)^{0.53} (114.4)^{0.42} (3.33)^{-0.91} = 219.99 \text{ cfs}$$

$$V_5 = 222 (4.35)^{0.72} (3.33)^{-1.69} = 83.78 \text{ ac. ft.}$$

$$Q_{10} = 57.7 (4.35)^{0.56} (114.4)^{0.43} (3.33)^{-0.80} = 385.39 \text{ cfs}$$

$$V_{10} = 296 (4.35)^{0.73} (3.33)^{-1.65} = 118.95 \text{ ac. ft.}$$

$$Q_{25} = 83.4 (4.35)^{0.60} (114.4)^{0.44} (3.33)^{-0.72} = 682.04 \text{ cfs}$$

$$V_{25} = 403 (4.35)^{0.75} (3.33)^{-1.59} = 179.26 \text{ ac. ft.}$$

$$Q_{50} = 106 (4.35)^{0.63} (114.4)^{0.45} (3.33)^{-0.69} = 984.82 \text{ cfs}$$

$$V_{50} = 491 (4.35)^{0.65} (3.33)^{-1.54} = 200.23 \text{ ac. ft.}$$

2/2

$$Q_{100} = 132(4.35)^{0.65} (114.4)^{0.46} (3.33)^{-0.67} = 1,356.53 \text{ cfs}$$

$$V_{100} = 589(4.35)^{0.77} (3.33)^{-1.49} = 304.30 \text{ ac.ft.}$$

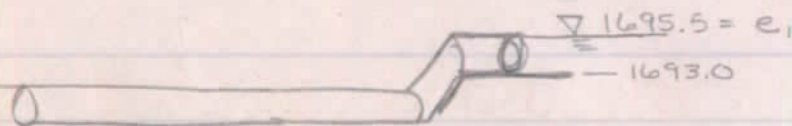
PIPE FLOW

Using FLOW MASTER computer software:

Original pipe invert elevations

1-30" RC pipe @ 1692.5' fms. 1				117.5 cfs
1	"	1691.8		130.8
1	"	1691.3		139.7
2	"	1691.1	2 x 143.1	286.2
2	"	1690.7	2 x 149.7	449.1
3	"	1690.4	3 x 160.3	482.1

Inv. + 2.5' = e_2



1605.4 cfs

$$p_2 = 0$$

$$e_2 = \text{Inv.} + 2.5'$$

$$p_1 = h \times 2.31$$

$$e_1 = 1695.5$$

$$h = 1695.5 - e_2$$

ADDITIONAL STORAGE

$$\text{lowest orig. invert} = 1690.4$$

$$\text{new invert elev.} = 1693.0$$

$$\text{add'l storage} = 2.6' \times 85 \text{ ac.} = 221 \text{ ac.ft.}$$

WATER RIGHTS

Vested Water Right Claim 908-3 Game, Fish and Parks, 150 ac.ft. annually for Silver Lake, rec. purposes, 4' deep, 50 acres

Vested Water Right Claim 914-3 Game, Fish and Parks 5700 ac.ft. annually for Lake Henry, rec. purposes, 1900 surface acres

Water Rights Division - DENR

Conversation or File Documentation

Name of Person: Tim Olson, SDGFP File No. 593803

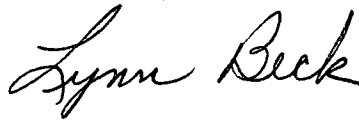
Address: County:

Date: 6-24-96 Telephone: (605) 773-6208

RE:

Comments:

The project at the Big Slough Waterfowl Production area has been in progress for many years. GFP is in support of the project. GFP believes that it will not affect their Vested Water Right Claim No. 908-3.

A handwritten signature in cursive script that reads "Lynn Beck".

Lynn Beck
Natural Resources Engineer

Water Rights Division - DENR

Conversation or File Documentation

Name of Person: Dave Graves, SDDOT File No. 5938-3

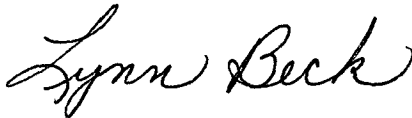
Address: County:

Date: 6-24-96 Telephone: (605) 773-5727

RE:

Comments:

Dave Graves said that they worked closely with USFWS and GFP on application 5938-3. The original invert elevations for the culverts are: 1 @ 1692.5, 1 @ 1691.8, 1 @ 1691.3, 2 @ 1691.1, 2 @ 1690.7, and 3 @ 1690.3 fmsl. SDDOT is not worried about water up against US HWY 14 or HWY 25 road grades.

A handwritten signature in cursive script that reads "Lynn Beck".

Lynn Beck
Natural Resources Engineer

REPORT ON
WATER PERMIT APPLICATION No. 5938-3
U.S. FISH & WILDLIFE SERVICE
June 25, 1996

Water Permit Application No. 5938-3 has been filed by the U.S. Fish and Wildlife Service to appropriate 286 acre feet of water annually from an unnamed tributary and surface runoff. The project will raise the ends of 10 existing pipes through U.S. Highway 14 located in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 34 with water impounded in the S $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ Section 34; all in T111N-R56W. This application requests impoundment of water sufficient to maintain water at an elevation of 1693.0 feet mean sea level (fmsl). The project will impound 85 acre-feet of water with an additional 201 acre-feet requested to offset evaporation and maintain a pool elevation of 1693.0 fmsl. Water is to be used to provide habitat for fish and wildlife propagation.

Discussion:

The U.S. Fish and Wildlife Service, in cooperation with the South Dakota Department of Transportation (DOT), proposes to restore a natural marsh at the Big Slough Waterfowl Production Area in Kingsbury County. The plans and specifications were prepared by the DOT. Easements have been obtained by the USFWS for the lands affected by this application.

The project involves raising one side of the 10 existing 30 inch equalizing pipes through U.S. 14 highway grade to an elevation of 1693.0 fmsl. This will provide 22 acres of wetland mitigation. Capacity of the 10 pipe will be over 1500 cfs and will pass the 100 year frequency event.

This application is located on an unnamed tributary to Silver Lake and has a drainage area of approximately 2780 acres. There are no existing water permits/rights on the unnamed tributary; however, the Department of Game, Fish and Parks holds Vested Right Claim No. 908-3 for 150 acre-feet of water in Silver Lake. The majority of Silver Lake's drainage area comes from two tributaries other than the one in this application.

Conclusions:

Water Permit Application No. 5938-3 should be approved since unappropriated water is available and approval of Water Permit Application No. 5938-3 should have no adverse effect on the existing Vested Right Claim No. 908-3.


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. 5938-3, U.S. Fish and Wildlife Service**

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. 5938-3, U.S. Fish and Wildlife Service, P.O. Box 25486, Denver Federal Center, Denver, CO 80225.

The Chief Engineer is recommending APPROVAL of Application No. 5938-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion has been developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualification:

Water Permit No. 5938-3 authorizes an impoundment that will store 85 acre-feet of water and sufficient water annually to maintain the water level to the outlet elevation of 1693.0 fmsl.

See report on application for additional information.

A handwritten signature in black ink, appearing to read "John Hatch", written in a cursive style.

JOHN HATCH, Chief Engineer
July 12, 1996



**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.

July 18, 1996

Cheryl C. Williss
U.S. Fish and Wildlife Service
P.O. Box 25486
Denver Federal Center
Denver, CO 80225

Dear Ms. Williss:

Water Permit Application No. 5938-3 for fish and wildlife propagation 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 DeSmet News printed at DeSmet, SD (Ph # (605) 854-3331). 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. 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

July 18, 1996

DeSmet News
Box 69
DeSmet, SD 57231-0069

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 5938-3 to be published twice. Please publish the first notice on July 31, 1996, 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 Cheryl C. Williss, U.S. Fish and Wildlife Service, P.O. Box 25486, Denver Federal Center, Denver, CO 80225 (Ph # (303) 236-5321).

A copy of BOTH publications must be SENT to the WATER RIGHTS PROGRAM. 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 applicant 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 Program
Joe Foss Building
Pierre SD 57501-3181

No. 5938-3

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to Appropriate Water by Application No. 5938-3 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 31, 1996, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 5938-3 to Appropriate Water

Notice is given that U.S. Fish and wildlife Service, P.O. Box 25486, Denver Federal Center, Denver, CO 80225 has filed an application for a water permit to appropriate 286 acre-feet of water annually from an unnamed tributary and surface runoff by raising 10 existing pipes through U.S. Highway 14 located in the SE 1/4 NW 1/4 Section 34 with water impounded in the S 1/2 NW 1/4, SW 1/4 Section 34; all in T111N-R56W. This application requests impoundment of water sufficient to maintain water at the elevation of 1693.0 feet mean sea level (fmsl). The project will impound 85 acre-feet of water with an additional 201 acre-feet requested to offset evaporation and maintain a pool elevation of 1693.0 fmsl. Water is to be used to provide habitat for fish and wildlife propagation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5938-3 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 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 August 19, 1996.

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. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Kingsbury) SS

I, Dale Blegen

certify that the attached printed Notice was
taken from the De Smet News

printed and published in De Smet

County of Kingsbury and State of

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

July 31, 1996

August 7, 1996

Cost of Printing: 39.78

Dale Blegen
(Signature)

Publisher
(Title)

8-7-96
(Date Signed)

**NOTICE OF APPLICATION NO.
5938-3 to Appropriate Water**

Notice is given that U.S. Fish and Wildlife Service, P.O. Box 25486, Denver Federal Center, Denver, CO 80225, has filed an application for a water permit to appropriate 286 acre-feet of water annually from an unnamed tributary and surface runoff by raising 10 existing pipes through U.S. Highway 14 located in the SE 1/4 NW 1/4 Section 34 with water impounded in the S 1/2 NW 1/4, SW 1/4 Section 34; all in T111N-R56W. This application requests impoundment of water sufficient to maintain water at the elevation of 1,693.0 feet mean sea level (fmsl). The project will impound 85 acre-feet of water with an additional 201 acre-feet requested to offset evaporation and maintain a pool elevation of 1,693.0 fmsl. Water is to be used to provide habitat for fish and wildlife propagation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5938-3 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 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.

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above. A petition filed by either interested person or the applicant must be filed by August 19, 1996.

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 Ed Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.

7-31-2wc-8-7

$$72 \times 30.7 = 22.10$$

$$\times 80\% = 17.68$$

$$39.78$$





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 9, 1996

Roger Garlock
RR 1, Box 53
DeSmet, SD 57231

Dear Mr. Garlock:

Enclosed is the report and recommendation for the wetland project near DeSmet. I have also enclosed the scope of work that was submitted with the application.

Please contact me if I may be of further assistance.

Sincerely,


Eric Gronlund
Water Rights Program
(605) 773-3352

enclosure



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

SEP 23 1996

Cheryl C. Williss
U.S. Fish and Wildlife Service
P.O. Box 25486
Denver Federal Center
Denver, CO 80225

Dear Ms. Williss:

Enclosed are Water Permit Nos. 5938-3 and 5945-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permits.

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 systems and/or have put the water to beneficial use. An inspection can then be scheduled so that the Water Licenses 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 may be made to your water permits usually without affecting the priority date. The location of a point of diversion may be changed or additional points of diversion may be approved if the water source remains unchanged; no additional water is appropriated; and, if irrigating, no additional land is irrigated. The change may be allowed without application or publication, if the Water Rights Program is contacted and the chief engineer makes a finding that the change does not increase the potential for interference with existing diversions.

A new water permit application is required to change water sources, increase the permitted diversion rate, or increase the irrigated acreage. If the application is approved, the water permit will receive a new priority date.



United States Department of the Interior

FISH AND WILDLIFE SERVICE Mountain-Prairie Region

IN REPLY REFER TO:

WTR BA
WR SD
Mail Stop 60189

MAILING ADDRESS:
Post Office Box 25486
Denver Federal Center
Denver, Colorado 80225-0486

STREET LOCATION:
134 Union Blvd.
Lakewood, Colorado 80228-1807

JUN 08 1998

Department of Environment and
Natural Resources
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181



Dear Sir or Madam:

Enclosed are Notices of Completion of Works and Application of Water to Beneficial Use forms for the following water permits:

5714-3	Hamlin County WPA
5855-3	Bullis WPA (Dry Lake)
5882-3	Bolstad WPA
5938-3	Big Slough WPA, and
5945-3	Dry Lake

Also enclosed is FedSelect Check in the amount of \$250 to cover the inspection fees and issuance of the Water Licenses.

If you have questions or require further information, please contact Linda Coe, Water Rights Branch at (303) 236-5321.

Sincerely,

Cheryl C. Williss
Chief, Division of Water Resources

Enclosures

**NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE**Date JUN 08 1998

TO: Water Rights Division, DENR
523 E. Capitol
Pierre, SD 57501-3181

FROM: UNITED STATES OF AMERICA
Fish and Wildlife Service P.O. Box 25486, Denver Federal Center
(name) (address)
Denver, CO 80225 (303) 236-5321
(city) (state) (zip) (phone)

I have completed the construction of the water diversion system and I have put the water to beneficial use to the maximum extent it is going to be used. I have not exceeded the amounts specified in Water Permit No. 5938-3.

Water Permit No. 5938-3 states that the diversion system is to be constructed by 08-19-2001, and that the water is put to beneficial use by 08-19-2005.
(date) (date)

The diversion system was completed on 11-05-96.
(date)

Applying the water to beneficial use was completed on 04-11-97.
(date)

You may schedule an inspection so that the Water License may be issued.

Cheryl C. Williss
(signature)
Cheryl C. Williss, Agent

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

42 415797

Pierre, June 11, 19 98

RECEIVED OF USFWS, P.O. Box 25486, Denver, CO 80225-0486
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. 5938-3 _____

Fee for Filing Transfer Form _____

Fee for Filing Extension Request _____

Fee for _____

(Any Other Work Provided by Law)

Total

50 00

By
Chief Engineer

John Hatch (P)

Permit No. 5938-3
Vermillion River - Water District

Contact Person & Address: **Colleen Kolbeck, US FWS, PO Box 48 Madison SD 57042**

Report Of Examination Of Works

On, **May 23 2000**, I made a thorough examination of the water use system constructed by **US Fish and Wildlife Service** of **PO Box 25486, Denver Federal Center, Denver CO 80225** holder of Permit No. **5938-3**, bearing the priority of **May 23, 1996** authorizing the the storage of **85** acre-feet with an additional **201** acre-feet to offset evaporation and maintain a pool elevation of **1693 fmsl** of the waters of **surface water** for **providing habitat for fish and wildlife propagation** purposes, in **Kingsbury** County.

The system is in the following condition **good**. The point of diversion is located **SE ¼ NW ¼ of Section 34 T111N-R56W** with a longitude of **-97.54372** and a latitude of **44.37755**. The works are capable of storing **85** acre-feet of water with an additional **201** acre-feet of water to offset evaporation and maintain a pool elevation of **1693 fmsl** which is to be used for **fish and wildlife propagation**. Water has been put to beneficial and the license should be issued for storing **85** acre-feet of water with an additional **201** acre-feet of water to offset evaporation and maintain a pool elevation of **1693 fmsl**.

Review of Permit Qualifications And Regulations:

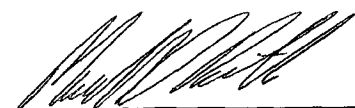
- 1) Special qualifications to permit being abided by **yes**
- 2) All structures, wells and lands on map **yes**
- 3) Exceptions to compliance are: **none**

Report On the Specifics of the System

Diversion Point Information:

There are ten 30 inch cmp culverts located under US Hwy 14 that have been modified by having an extention added to the inlet end that effectively raises the inverts of these cmps to elevation 1693 fmsl. Fill material was place around the extentions.

COMMENTS: The original map adequately describes the project and will be used for licensing.



Mark D. Rath
Natural Resources Engineer

2-15-01

Date

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 5938-3

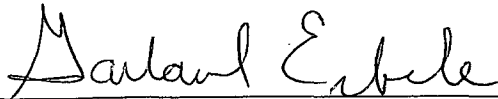
(1) US Fish & Wildlife Service, PO Box 25486, Denver Federal Center, Denver CO 80225 made Application No. 5938-3, May 23, 1996 for a water permit to impound 85 acre-feet of water from an unnamed tributary and runoff, Kingsbury County, South Dakota for fish & wildlife propagation purposes. Permit No. 5938-3, with a priority date of May 23, 1996 was approved August 19, 1996 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before August 19, 2001 and for the application to beneficial use of said water on or before August 19, 2005.

The permit holder submitted a *Notice of Completion of Works and Application of Water to Beneficial Use* on June 11, 1998. The *Notice* stated the diversion system was completed on November 5, 1996 and the water placed to beneficial use on April 11, 1997.

(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 85 acre-feet of water for beneficial use with sufficient water annually to maintain the water level to the outlet elevation of 1693.0 feet mean sea level. The location of the outlet (ten 30 inch culverts) is SE ¼ NW ¼ Section 34-T111N-R56W.

(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 US Fish & Wildlife Service, PO Box 25486, Denver Federal Center, Denver CO 80225 the holder and/or owner of Water Right No. 5938-3 is issued a license to appropriate water, the right to impound 85 acre-feet of water from an unnamed tributary and runoff with sufficient water annually to maintain the water level to the outlet elevation of 1693.0 feet mean sea level with a priority date of May 23, 1996 from the location specified in (2) of this license for fish & wildlife propagation. This license is subject to any limitations or qualifications listed in Water Right No. 5938-3 and subject to South Dakota State Law.



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

APR 04 2001

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

APR 04 2001

5714-3, 5855-3, 5882-3, 5938-3, 5945-3

Cheryl Willis, Agent
US Fish & Wildlife Service
PO Box 25486
Denver Federal Center
Denver, CO 80225

Dear Ms. Willis:

Enclosed are Water License Nos. 5714-3, 5855-3, 5882-3, 5945-3 and 5938-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed are Receipt Nos. 415794, 415795, 415796, 415798 and 415797 in the amount of \$50.00 which you paid for the investigation and issuance of the Water License.

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

enclosures