

No. 698-7Water Division No. 2 WHITE RIVER District
(Blanks to be filled by the Engineer for the W. R. C.)

APR 17

S. 45 AM

WATER RESOURCES COM.

**VESTED RIGHT
APPLICATION FOR PERMIT****To Appropriate Water within the State of South Dakota**

(NOTE—Draw a line through items not applicable.)

1. Name of applicant ~~Alfred W. Hansen~~ DANIEL STOUT
 Postoffice address Kadoka, South Dakota, County Jackson, State South Dakota

I. If a corporation

- (a) Name of same _____
 (b) Date and place of incorporation _____
 (c) Amount of capital stock _____
 (d) Amount paid in _____
 (e) Names and addresses of directors _____

(NOTE—A certified copy of articles of incorporation must accompany the application.)

II. Method of accomplishing the work and financial resources of the applicant:

- (a) Method of accomplishing work (Whether by contract, employment of others, or by direct labor)

Contract and Direct Labor

- (b) Cash on hand, \$
- Adequate
- (c) Treasury stock, \$ _____

- (d) Bonds to be issued, \$ _____ (e) Other resources, \$ _____

2. Name of diversion work Alfred W. Hansen Waterspreading Project No. 1
2.94 MAXIMUM ALLOWABLE
 3. Amount of water claimed 3.5 cubic feet per second and all unappropriated floodwaters.
 4. Source of water supply DRY DRAW
 5. Location of point of diversion N 87°30' W 50 rods from SE Corner Sec 19, T-3-S, R-22-E, BHM
on both bank Jackson County.
 6. Annual period or periods during which water is to be used Throughout season during runoff
 7. To be used for:

- I. Irrigation or domestic use: Gravity, overhead sprinkling or combination system?
- Gravity

- (a) Number of acres to be irrigated
- 202.3
- acres.

- (b) Legal subdivisions to be irrigated
- See attached sheet

(NOTE—A list of lands to be irrigated, giving each subdivision and fraction with acreage thereof, should be written here, or may be appended as a part of this application. Same must also be shown on accompanying map.)

- (c) Statement as to domestic use (giving location, etc.)
- Stockwater (the diversion is

a combination waterspreading and stockwater dam.)

II. Stockwatering, mining, milling, power, fish culture, fire protection and public recreation:

- (a) Nature of use
- None other than stockwater as listed above

Name any of the above uses claimed

- (b) Amount of power to be generated _____ horse power.

Amount claimed for engine cooling _____

- (c) Location of plant _____

- (d) Method of developing power _____

- (e) Point where water will be returned to stream _____

V/R

ALFRED W. HANSEN WATERSPREADING PROJECT #1

Description of Irrigated Lands:

Subdivision	Acreage Irrigated
NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 29, T3S, R22E.....	25.0
NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 29, T3S, R22E.....	19.0
SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 29, T3S, R22E.....	40.0
SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 29, T3S, R22E.....	35.0
SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 29, T3S, R22E.....	4.0
NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 29, T3S, R22E.....	8.8
SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 29, T3S, R22E.....	18.0
NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 32, T3S, R22E.....	14.3
NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 32, T3S, R22E.....	38.2
Total	202.3 Acres

8. Estimated cost of work:

(a) Head Gates, \$187.50
 (b) Pumping plant, \$-----
 (c) ^{Pipe} ~~Fluming~~, \$1512.70
 (d) ^{Build-up} ~~Canal earth~~, \$1919.25
 (e) Other structures ^{Concrete} ~~Canal~~, \$306.00
 Str ^{Exc} ~~Exc~~, \$55.50
 Total, \$1019.35

9. Description of diversion works:

I. Nature of works: (Reservoir, dam, ditch, flume, pumping plant, etc.)

Har Spreading Dam

II. Dimensions of works:

(a) Dam: Height 16.4 feet; length at bottom 765 feet; length at top 765 feet; thickness at bottom 73.0 feet; thickness at top 12.0 feet; slope at front water face 3:1; slope at back face 2:1
 material used in construction clay-loam

(b) Reservoir: Capacity when filled 48.0 acre feet. Surface area at highwater mark 12.0 acres.

DEPTH AT OUTLET-Feet	SURFACE AREA AT EACH 12' FL DEPTH AT OUTLET-ACRES	ACRE-Feet CAPACITY
10'		48.0

(c)* Head gate: Width 2.0 feet; height 2.0 feet;
 Material Steel

(d) Canal: Total length 1/2 miles.

LOCATION BELOW HEADGATE	DEPTH	BOTTOM WIDTH	WIDTH AT WATER-LANE	GRADE PER MILE
At ----- Mile	----- feet	----- feet	----- feet	----- feet
At ----- Mile	----- feet	----- feet	----- feet	----- feet
At ----- Mile	----- feet	----- feet	----- feet	----- feet
At ----- Mile	----- feet	----- feet	----- feet	----- feet
At ----- Mile	----- feet	----- feet	----- feet	----- feet
At ----- Mile	----- feet	----- feet	----- feet	----- feet

(Give dimensions where reductions in size are made.)

10. Time required for completion of work 4 months years.

11. Time required for complete application of water to the proposed beneficial use 4 months years.

12. Choice of newspaper for publication of notice of intention to appropriate
 Not applicable

STATE OF SOUTH DAKOTA

County of Butte

I, Alfred H. Harrison, being first duly sworn on my oath depose and say: that my relation to the above described undertaking is that of owner, that I have read the above foregoing statement, examined the map accompanying the same, and that I know of my own personal knowledge that the matters therein stated and shown are true.

Signed

Subscribed and sworn to before me this

14th day of April

1961

Notary Public (or other qualified officer.)

Remarks by State Water Resources Commission:

"Vested right" claimed

The diversion rate limitation of 1 cubic foot per second for each 70 acres irrigated shall not apply to this Dry Draw irrigation diversion during periods of flood flows, when such flows are in excess of the amount of water required to satisfy domestic use requirements and other water rights.

STATE OF SOUTH DAKOTA

County of

Hughes

ss.

Pierre, South Dakota,

July 19

1961

This is to certify that the foregoing application was received by the Commission at 8:45 o'clock

a.m. upon the 17th day of April, 1961

State Water Resources Commission

By:

For Chief Engineer, Executive Officer

Number of permit

6982

Date of first receipt of application

April 17

1961

Date of return to applicant for correction, amendments or changes required as follows:

19

Date of receipt of corrected application

19

Date from which applicant may claim right

1949

19

Approved

July 19

1961, Recorded in Book

6

Page

275

This is to certify that we have examined the foregoing application for a permit to appropriate water of the State of South Dakota, and we hereby grant the same as stated herein, subject, however, to the following limitations and conditions:

1st. The equivalent of at least one-fifth of the work above specified is ~~to be completed~~ on or before

19

2nd. The whole of said work is ~~to be completed~~ on or before

19

3rd. The limit of time for proof of beneficial use of water appropriated in accordance herewith is

completed

19

4th. The water appropriated shall be used for the purpose of irrigation

5th. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

6th. The amount of the appropriation herein granted shall not exceed 2.80 cubic feet per second; neither shall it exceed the capacity of the above described system of diversion works, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of the best husbandry; and further, said appropriation must be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before June 30, 1955; said water to be used during the following described annual period:

Whenever available during irrigation season

Witness my hand this

19th

day of

July

1961

State Water Resources Commission

By:

For Chief Engineer, Executive Officer

Chief Engineer, Executive Officer

Certificate of Construction Issued

July 19

1961

Water License Issued

July 19

1961

Remarks by the Applicant:

This project was started in 1949, and more work including addition of 8'x2'x24' concrete box for water spreading and 24" C/C for diverting water to main draw, in 1956.

The reason for the present work is to raise dam, install trickle tube, and lengthen concrete box with 24" pipe and install gate to have a storage capacity of approximately 48.0 cu. ft. and have better control over water spreading system.

All dikes and ditches have been previously constructed.

STATE OF SOUTH DAKOTA

WATER LICENSE No..... 698-2.

WHEREAS, On the 17th day of April A. D. 1961
Alfred W. Hansen
of Kadoka County of Jackson and State of
South Dakota duly made application (No. 698-2) to us for a permit ^{Vested Right} to use 2.89
cubic feet per second of the waters of dry draws
County of Jackson, State of South Dakota, for irrigation
purposes; and

WHEREAS, On the 19th day of July A. D. 1961
^{Vested Right} Permit No. 698-2 was issued to said applicant... for the diversion of said water, ^{recognising} ~~and providing for~~ the
completion of the works of diversion therein described ~~xxxxxxxxxxxx~~ ^{about}
~~xxxxxxxx~~ and ~~for~~ the application to beneficial use of said
water ~~xxxxxxxxxxxx~~ ^{about} ~~xxxxxxxxxxxx~~
and.

WHEREAS, On the 17th day of April A. D. 1961
the holder... of said permit duly made proof of the completion of adequate works for the diversion of 2.89
cubic feet per second of said waters, as evidenced by our Certificate No. 696-2
dated July 19, 1961 confirming the completion of works of sufficient capacity for
diverting and conveying to the place of intended use 2.89 cubic feet per second of water, with date of
priority of 1949 ~~xxx~~ and,

WHEREAS, On the 17th day of April A. D. 1961
proof was duly made of the application to beneficial use of 2.89 cubic feet per second of said water;
for irrigation of 202.3 acres on portions of Section 29 and 32, T 38, R 22E

NOW, THEREFORE, by the virtue of the authority vested in us by the laws of the State of South Dakota,
We hereby grant and confirm to Alfred W. Hansen

of Kadoka the holder and owner Vested Right of said permit No. 698-2

a water right, dating from 1941 to the use of 2.89

cubic feet per second of the waters of dry draws

In the County of Jackson and State of South Dakota, or so much thereof as may be
necessary for the purposes hereinafter mentioned, to be diverted at a point N 87° 30' W, 50 rods
from the NE Corner Section 19, T 38, R 22E.

and conducted to and upon portions of Sections 29 and 32, T 38, R 22E, more
specifically described in the Certificate of Completion of Works.

for the purpose of irrigation

subject, however, to the laws of the State of South Dakota applicable to a license for the use of the waters of the
State, and subject, also to the local or community customs, rules and regulations which have been or may be
adopted from time to time by a majority of the users from a common source of supply, canal or lateral from
which such water may be taken, when such rules and regulations have for their object the economical use of such
water.

WITNESS, My hand and seal of our office at Pierre, South Dakota,
this 19th day of July A. D. Nineteen
Hundred and Sixty-One

State Water Resources Commission

By:

Chief Engineer, Executive Officer
J.W. GRIMES

STATE OF SOUTH DAKOTA

Water License No. _____

Source of Supply _____

County _____

m³ c. f. s. _____

Point of Diversion _____

Place of Use _____

Purpose _____

Priority _____

Recorded _____

Book _____ of _____ Page _____

Permit No. 698-2Water Division No. 2 Abito River Water District**Certificate of Completion of Works**

TO ALL WHOM IT MAY CONCERN:

This is to Certify, That Alfred W. Hansenof Kadoka, County of Jackson and State of South Dakota, the holder of Permit/No. 698-2, issued upon ApplicationNo. 698-2, bearing date of priority of 1949, authorizing the diversion of 2.89 cu. ft. per second of the waters of dry drawsCounty of Jackson, State of South Dakota, at a point N 87° 30' W
50 rods from the SE Corner of Section 19, T 38, R 22Efor irrigationpurposes, has fully complied with the provisions of the laws of the State of South Dakota relating to proof of completion of the works of diversion set out and described in said Permit; that said works are **recognized as** ~~found~~ in satisfactory ~~condition~~ for diverting and conveying to the place of intended use 2.89 cu. ft.per second of water; and that the lands proposed to be irrigated by the use of said water are described as follows, to-wit: all in T 38, R 22ESection 29 NW 1/4 SW 1/4 25 acresNE 1/4 SW 1/4 19.0 acresSE 1/4 SW 1/4 40.0 acresSW 1/4 SE 1/4 35.0 acresSE 1/4 SE 1/4 4.0 acresNW 1/4 SE 1/4 8.8 acresSW 1/4 SW 1/4 18.0 acresSection 32 NW 1/4 NE 1/4 14.3 acresNE 1/4 NE 1/4 38.2 acresWitness my hand this 19th day of July A. D. 1941

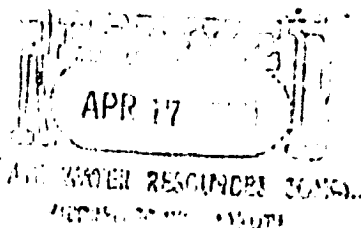
State Water Resources Commission

By:

J.W. ORMES
Chief Engineer, Executive Officer

Location No.

Water Division No. Water District



Proof of Application of Water to Beneficial Use

PETITION OF HOLDER

Ques. 1. State your name, residence, occupation and postoffice address.

Ans. Alfred W. Hansen, Kadoka, South Dakota

Ques. 2. If acting in behalf of a corporation, state its name, principal place of business (if a foreign corporation, give name and postoffice of statutory agent,) your position with reference to same, and your authority for appearing in its behalf.

Ans. Owner

Ques. 3. State date of posting and date of recording notice of appropriation.

Ans. Dry Draw. Nov. 12, 1940 #2253 (Dry Draw #1072-2)

Ques. 4. State source of water supply and give exact location of point of diversion.

Ans. Dry Draw. N 87°30' W 50 rods from SE Corner Sec. 19, T3S, R22E.

Ques. 5. Describe your works of diversion giving length and height of each dam and state amount of water they are capable of conveying from point of diversion to place of use, and give name of canal or ditch or other works by which water is conducted to such place of use, and date of completion of same.

Ans. Dam 765 ft. long 16.3 feet deep holding 48.0 ac. ft. water to be diverted by 24" tube to constructed ditch to hay and alfalfa fields and spread by dikes and ditches.

Ques. 6. State for what purpose water is used and describe place of use. (If for irrigation, name each subdivision in which used, and number of acres in each subdivision that have ACTUALLY been irrigated with said water.)

Ans. Water spreading, see attached sheet.

Ques. 7. If for other than irrigation purpose, state how applied, amount of horse power generated, etc.

Ans. None, except that water above the waterspreading dam will also be used for stockwater.

Ques. 8. What is the minimum amount of water required for the use specified above?

Ans. 48.0 Ac. Ft. plus 101 ac. ft. for the spreader area (total 149 ac ft.)

Ques. 9. If you are not the person or representative of the corporation to whom above mentioned permit was originally issued, please state how ownership was acquired by present holder.

Ans. Owner

Ques. 10. State when, how, in what amount and to what extent, the water diverted under above mentioned permit has been used.

Ans. Water has been diverted under above permit every year since 1949
by the dam, tube, and other structures described on Form 2.

(Sign) [Signature]

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me, at my office in Kadoka, County of Jackman

State of South Dakota, on this 14th day of April, A. D. 1949
W. W. Seaver } Witnesses. Merino Harman
Notary Public

I, the undersigned, do hereby certify that I am a duly qualified elector residing in the immediate vicinity of the diversion works designated in the foregoing testimony, that I have no interest in the works, water or land above described, that I have read the foregoing testimony and that I know of my own personal knowledge that the matters therein stated are true.

Merino Harman
W. W. Seaver

Location No. -----	
PROOF OF APPLICATION OF WATER TO BENEFICIAL USE	
PETITION OF HOLDER	
Amount of Water ----- c. f. s.	
Source -----	
County -----	
Purpose -----	
Place of Use -----	
Date of recording -----	
Received and filed -----	

ALFRED W. HANSEN WATERSPREADING PROJECT (A)

Description of Irrigated Lands:

Subdivision	Acreage Irrigated
NE 1/4 Sec 29, T38, R22E.....	25.0
NE 1/4 Sec 29, T35, R22E.....	19.0
SE 1/4 Sec 29, T35, R22E.....	40.0
SW 1/4 Sec 29, T35, R22E.....	35.0
SE 1/4 Sec 29, T36, R22E.....	4.0
NE 1/4 Sec 29, T36, R22E.....	4.8
SW 1/4 Sec 29, T35, R22E.....	18.0
NE 1/4 Sec 32, T35, R22E.....	14.3
NE 1/4 Sec 32, T35, R22E.....	38.2

Total

202.3 Acres

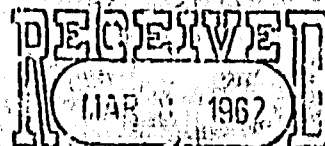
UNITED STATES DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

Kadoka, South Dakota

March 7, 1962

Mr. Joe Grimes, Water Rights Engineer
Water Resources Commission
State Office Building
Pierre, South Dakota



Dear Sir:

Mr. Alfred Hansen of Kadoka holds South Dakota Water Licence No. 698-2 under which he irrigates 22.3 acres of land from a spreader dam on a dry draw. The dam will store approximately 48 ac. ft. of water which can be released on the spreader system at any time.

Mr. Hansen is now considering the possibility of pumping from the White River. His main idea is to pump water into the dam during periods of high flow in the river, to be released for irrigation at a later date. At times Mr. Hansen might pump directly onto the land, rather than into the dam.

How should Mr. Hansen make application for this right? Should he submit a complete new water right application for pumping onto the land that is covered by his present water right? Or can an amendment be made to his present water license permitting him to do this? If so, what procedure should he use to obtain this amendment?

Thank you for any help and advice you can give us on this.

Sincerely,

Keith L. Harner

Keith L. Harner
Work Unit Conservationist

NOTICE OF TRANSFER OF WATER PERMIT

TO: Water Resources Commission
State Office Building No. 2
Pierre, South Dakota 57501

Date June 25, 1971

This is to notify you that title to the lands described as follows:

Portions of Sections 29 and 32, T3S, R22E, described in Water Right No. 698-2

formerly owned by Alfred W. Hansen, Kadoka

has been transferred to Daniel Stout, Kadoka

together with any rights to the beneficial use of water thereon as evidenced by Water Right Permit No. 698-2 as provided for in Section 61.0127 of the 1960 Supplement to the South Dakota Code of 1939.

You are therefore hereby requested to file this "Notice of Transfer of Water Permit" in its appropriate file at the Office of Water Resources Commission as evidence of the change of ownership.

A fee of one dollar is hereto attached to cover filing fees as required under Section 61.0159 of the 1960 Supplement to the South Dakota Code of 1939.

STATE OF SOUTH DAKOTA

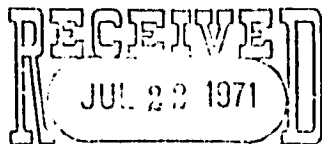
County of Deuel ss.

I, Daniel Stout being first duly sworn on my oath depose and say: That my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and I know of my own personal knowledge that the information herein stated is true.

(Signed)

Suscribed and sworn to before me this 25th day of June, 19 71

(Notary Public)



STATE WATER RESOURCES COMM
PIERRE, SOUTH DAKOTA

 **Department of
Water & Natural Resources**

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

September 21, 1988

NOTICE

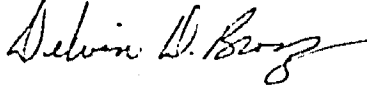
Daniel Stout
Box 498
Kadoka SD 57543

Dear Mr. Stout:

I am writing to notify you that pursuant to the Notice of Intent to Validate Vested Water Right Claims dated June 20, 1988 that I intend to oppose validation of your water right claim No(s). 698-2 until a field inspection has been completed. The claim has either never been inspected or an inspection was conducted so long ago that a new inspection is needed. An inspection is needed to determine the current state of your vested water right claim.

A staff member from the Division of Water Rights will be contacting you and scheduling an inspection of your water project. If we can answer any questions, please contact us.

Very truly yours,



for JOHN HATCH, Chief Engineer
Water Rights Division
605 773-3352



Water Rights Division - DWR

File No. 698-2

Conversation or File Documentation

NAME OF PERSON OR FILE: Daniel Stout
ADDRESS: HCR-1, Box 26
Box 498 Kadoka, SD 57543 COUNTY Jackson
DATE: February 5, 1990 TELEPHONE 837-2456
RE: Validation of Vested Right Claim No. 698-2

COMMENTS:

On May 22, 1989, I made an investigation of
Vested Right Claim No. 698-2. Mr. Daniel Stout
accompanied me on the inspection. The project
appeared to be as described on the original
application and license with the exception of
a few less acres being irrigated.

The following lands are being irrigated by
Vested Right Claim No. 698-2

Section 29-T35-R22E NW1/4 SW1/4 - 18 Acres

NE1/4 SW1/4 - 31

SE1/4 SW1/4 - 40

SW1/4 SE1/4 - 36

SE1/4 SE1/4 - 6

NW1/4 SE1/4 - 5

Lot 1 - 22

Section 32-T35-R22E Lot 3 - 5

Lot 4 - 17

Total = 180 Acres

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

4/92

NAME: Timi Schaal



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

April 15, 1992

NOTICE

TO: Daniel Stout
HCR 1, Box 26
Kadoka SD 57543

FROM: John Hatch, Chief Engineer
Water Rights Division
605 773-3352

R. J. Small for

SUBJECT: Hearing to Consider Validation of Recognized Vested Right Claim No. 698-2

A Notice of Intent to validate Claim No. 698-2 was published on June 2 and 9, 1988 in the Kadoka Press, Kadoka SD. The Water Rights Division opposed validation of No. 698-2 for purposes of completing an on-site inspection of the claim. The inspection of Claim No. 698-2 was completed on May 22, 1989, by Tim Schaal staff engineer. The inspection found that the number of acres being irrigated has been reduced from 202.3 acres to 180 acres. The diversion rate is to be reduced, accordingly, from 2.89 cubic feet of water per second (cfs) to 2.57 cfs. This reduced diversion rate is based on the statutory application rate of 1 cfs per 70 acres (180 acres/70 = 2.57 cfs).

The Water Management Board will consider validation of Claim No. 698-2 at 9:30 am, May 6, 1992, in the Floyd Matthews Training Center, Joe Foss Building, 523 E Capitol, Pierre SD. The agenda time is an estimate. The actual time of the hearing may be later than 9:30 am due to prior agenda items.

Pursuant to the findings of the on-site inspection, validation of Claim No. 698-2 is recommended for a diversion rate of 2.57 cfs from a dry draw to irrigate 180 acres. Following the hearing, the Board is authorized to 1) validate the claim as recommended for 180 acres and 2.57 cfs, 2) validate the claim as licensed prior to the on-site inspection, 3) validate the claim based on evidence presented at the public hearing, or 4) defer validation of the claim. Applicable provisions of the published notice of intent to validate Claim No. 698-2 will still apply at this hearing. A copy of the June 2 and 9, 1988, publication is available upon request.

This hearing is an adversary proceeding. You have the right to be represented by a lawyer. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

cc: Diane Best, Assistant Attorney General

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

Daniel Stout, HCR 1, Box 26, Kadoka, SD 57543.

Diane Best, Assistant Attorney General, Capitol Building.

Cheryl F. Frost
Secretary

Sworn to, before me, this 16th day of April, 1992.



SOUTH DAKOTA

VESTED WATER RIGHT NO. 698-2 FOR IRRIGATION

Date of Receipt of Claim April 17, 1961.

Date of Validation May 6, 1992.

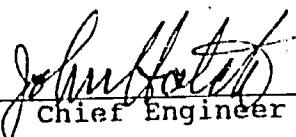
The Water Management Board validated Vested Water Right Claim No. 698-2 for irrigation purposes for Daniel Stout, East Haven Apts, Box 700-2, Onida SD 57564 with the following limitations, conditions and qualifications:

1. Vested Water Right No. 698-2 appropriates 2.57 cubic feet of water per second from a dry draw to irrigate 180 acres and to provide for stock watering. The point of diversion is located in the SE 1/4 SE 1/4 Section 19-T3S-R22E. The irrigated lands are located in the SW 1/4, S 1/2 SE 1/4, NW 1/4 SE 1/4 Section 29 and in the N 1/2 NE 1/4 Section 32; all in T3S-R22E.
2. The appropriation may not exceed the amount of water needed for beneficial use for irrigation. The appropriation may not exceed 3 acre feet per irrigated acre per year. Water is to be used during the following annual period: January 1 -- December 31.
3. The priority date of the Vested Water Right is November 12, 1949..
4. The water use system has been constructed and water has been applied to beneficial use.
5. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

The diversion rate limitation of 1 cubic foot per second for each 70 acres irrigated shall not apply to this dry draw irrigation diversion during periods of flood flows, when such flows are in excess of the amount of water required to satisfy domestic use requirements and other water rights.

WATER MANAGEMENT BOARD

By: 
Chief Engineer

JUL 13 1992

date

Division of Water Rights
Dept. of Environment and Natural Resources

STATE OF SOUTH DAKOTA

VESTED RIGHT WATER LICENSE NO. 698-2 FOR IRRIGATION

(1) Daniel Stout of East Haven Apts., Box 700-2, Onida, SD 57564 made Application No. 698-2, April 17, 1961 for validation of a vested right claim to appropriate 2.89 cubic feet of water per second from a dry draw, Jackson County, South Dakota for irrigation purposes. Vested Water Right No. 698-2 was validated May 6, 1992 with a priority date of November 12, 1949. Construction of the described water supply system and application of water to beneficial use has been completed and complies with applicable provisions of South Dakota State Law.

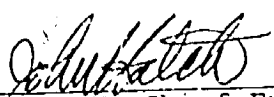
A May 22, 1989 inspection of the water use system found the number of acres being irrigated had been reduced. Based upon the inspection and subsequent validation of the vested right claim, this license is being issued for the amount of acreage actually irrigated.

(2) The applicant is entitled to divert 2.57 cubic feet of water per second for beneficial use. The location of the diversion point (secondary spillway on dam) is in the SE 1/4 SE 1/4 Section 19, T3S, R22E. The location of the dam is in the NE 1/4 NE 1/4 Section 30, T3S, R22E. The dam is capable of storing 48 acre-feet of water.

The location of the irrigated acreage is:

| | | |
|---------------------|---------------|-----------|
| Section 29-T3S-R22E | NW 1/4 SW 1/4 | 18 Acres |
| | NE 1/4 SW 1/4 | 31 Acres |
| | SE 1/4 SW 1/4 | 40 Acres |
| | SW 1/4 SE 1/4 | 36 Acres |
| | SE 1/4 SE 1/4 | 6 Acres |
| | NW 1/4 SE 1/4 | 5 Acres |
| | | Lot 1 |
| Section 32-T3S-R22E | Lot 3 | 5 Acres |
| | Lot 4 | 17 Acres |
| Total----- | | 180 Acres |

(3) Pursuant to Section 46-5-30.1 Daniel Stout of East Haven Apts., Box 700-2, Onida, SD 57564 the holder(s) and/or owner(s) of Vested Water Right No. 698-2 is issued a license to appropriate 2.57 cubic feet of water per second from a dry draw with a priority date of November 12, 1949 from the location specified in (2) of this license. The water is to be used for the purpose of irrigation. This license is subject to any limitations, conditions or qualifications listed in Vested Water Right No. 698-2 and subject to South Dakota State Law.


JOHN HATCH, Chief Engineer
Water Rights Division
Department of Environment and
Natural Resources

JUL 13 1992



698-2

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

JUL 13 1992

Daniel Stout
East Haven Apts.
Box 700-2
Onida SD 57564

Dear Mr. Stout:

The Water Management Board has validated the enclosed Vested Water Right No. 698-2. This validation gives legal status to the claim and is the final document for your vested right. Enclosed is the reissued water license which reflects the acreage and diversion rate as validated by the Board.

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

Very truly yours,

A handwritten signature in cursive script, appearing to read "John Hatch", is written over the typed name.

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

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 9, 2003

698-2
836-2
2131-2

Thad Stout
PO Box 221
Kadoka SD 57543-0221

Dear Mr. Stout:

On September 24, 2003 the investigation of your water use system, including the extent of application of water to beneficial use, as developed under Water Permit No. 2131-2, was completed by Tim Schaal, a staff engineer with our program. The final water right document, the water license, can now be issued. The applicable portions of No. 836-2 will be incorporated into NO. 2131-2.

State law require that we charge a \$50.00 fee for the investigation and issuance of the water license. Upon receipt of the \$50.00 fee from you, we will complete processing your water license.

Your licensed water right will be similar to a property right that can not be lost as long as the water use continues and you abide by the permit requirements.

Also, enclosed is a *Notice of Transfer of Ownership* form for Water Right No. 698-2 (dam and spreader system). The form needs to be completed, signed by the owner, and returned with a \$2.50 filing fee. The check or money order for the fees (\$52.50) should be made payable to the "Water Rights Program".

If you have any questions regarding the water permit, investigation of your water use system or payment of the fee, please contact Genny McMath with our program at (605) 773-3352.

Sincerely,

Karen Schlaak
Water Rights Program

enclosure

NOTICE OF TRANSFER OF OWNERSHIP

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

No. 698-2

Date: 10-15-03

I/We request that Water Right/Permit No. 698-2

formerly owned by: Daniel Stout

be transferred to: (name & address) Thad Stout, PO Box 221, Kadoka SD 57543-0221

Telephone No. 605 837-2724

Title to the following described land(s)/property has been transferred as described above:

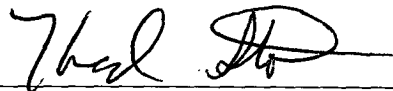
180 acres - SW 1/4, S 1/2 SE 1/4, NW 1/4 SE 1/4 Section 29 and N 1/2 NE 1/4 Section 32; all in T3S-R22E

I/We understand that the validity of Water Right/Permit No. 698-2 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

I/We Thad Stout, the new owner, certify that the above information is true and correct.



(Signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five year construction period has expired. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

RECEIVED

OCT 17 2003

WATER RIGHTS
PROGRAM

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date October 17, 2003

RECEIVED OF Thad Stout, PO Box 221, Kadoka SD 57543-0221

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 | 2 50 | |
| Fee for Application for Permit No. _____ to Appropriate Water for Future use | | |
| Fee to retain Future Use Permit No. _____ after period of seven years. | | |
| Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____ | | |
| Fee for Filing Transfer Form <u>698-2</u> | | |
| 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 | 2.50 |

No.



By

Barland White

Chief Engineer

gm



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

APR 23 2004

698-2
836-2
2131-2

Thad Stout
PO Box 221
Kadoka SD 57543-0221

Dear Mr. Stout:

Enclosed is Water License No. 2131-2. This is the final water right document completing your process of obtaining a Water Right. Enclosed is the receipt for \$50.00 which you paid for the investigation and issuance of the Water License.

The applicable portions of No. 836-2 are incorporated into Water License No. 2131-2.

Also, enclosed is the receipt for the transfer of Water Right No. 698-2 to your name.

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.

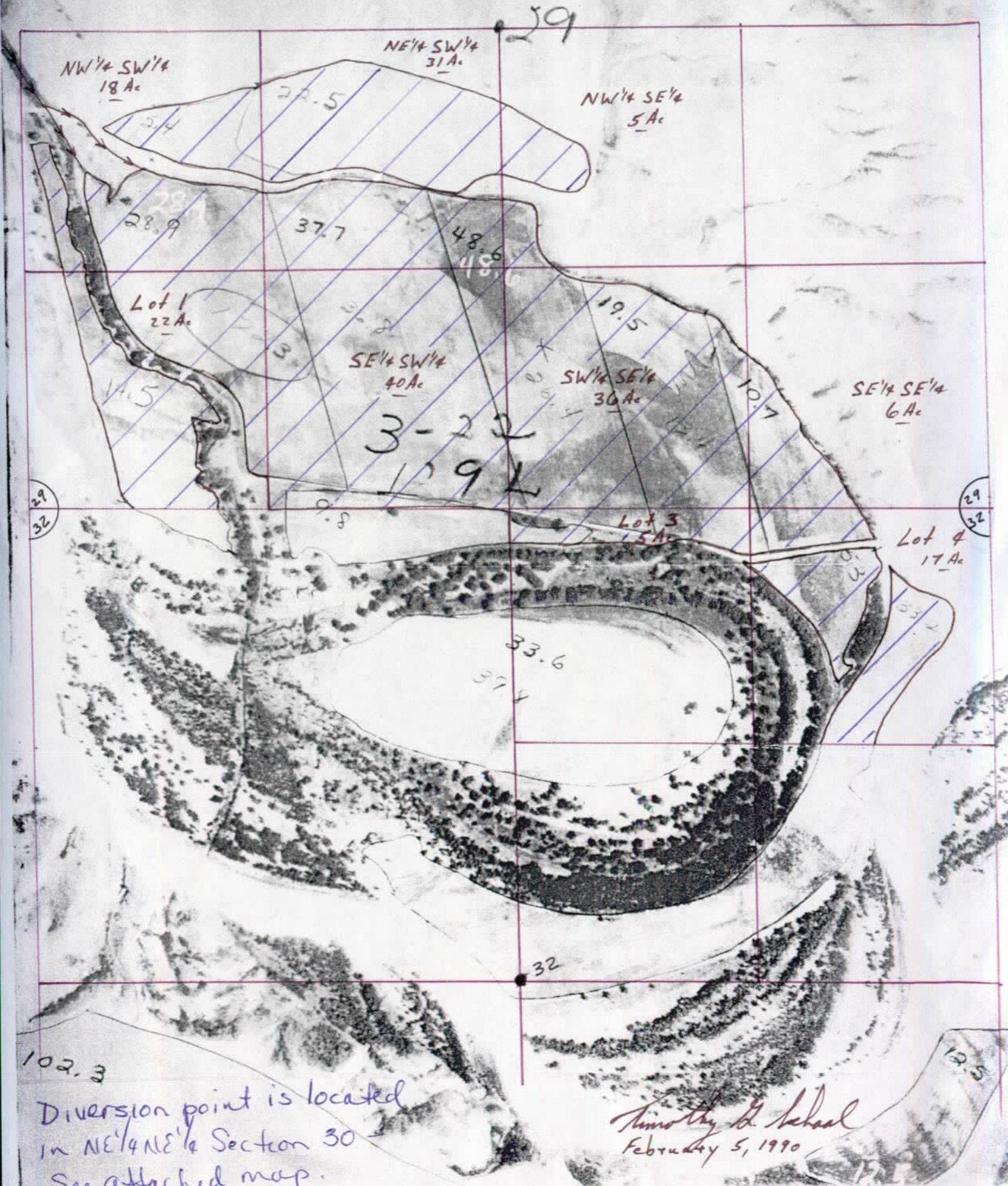
Sincerely,

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

enclosures

Dan Stout

698-2



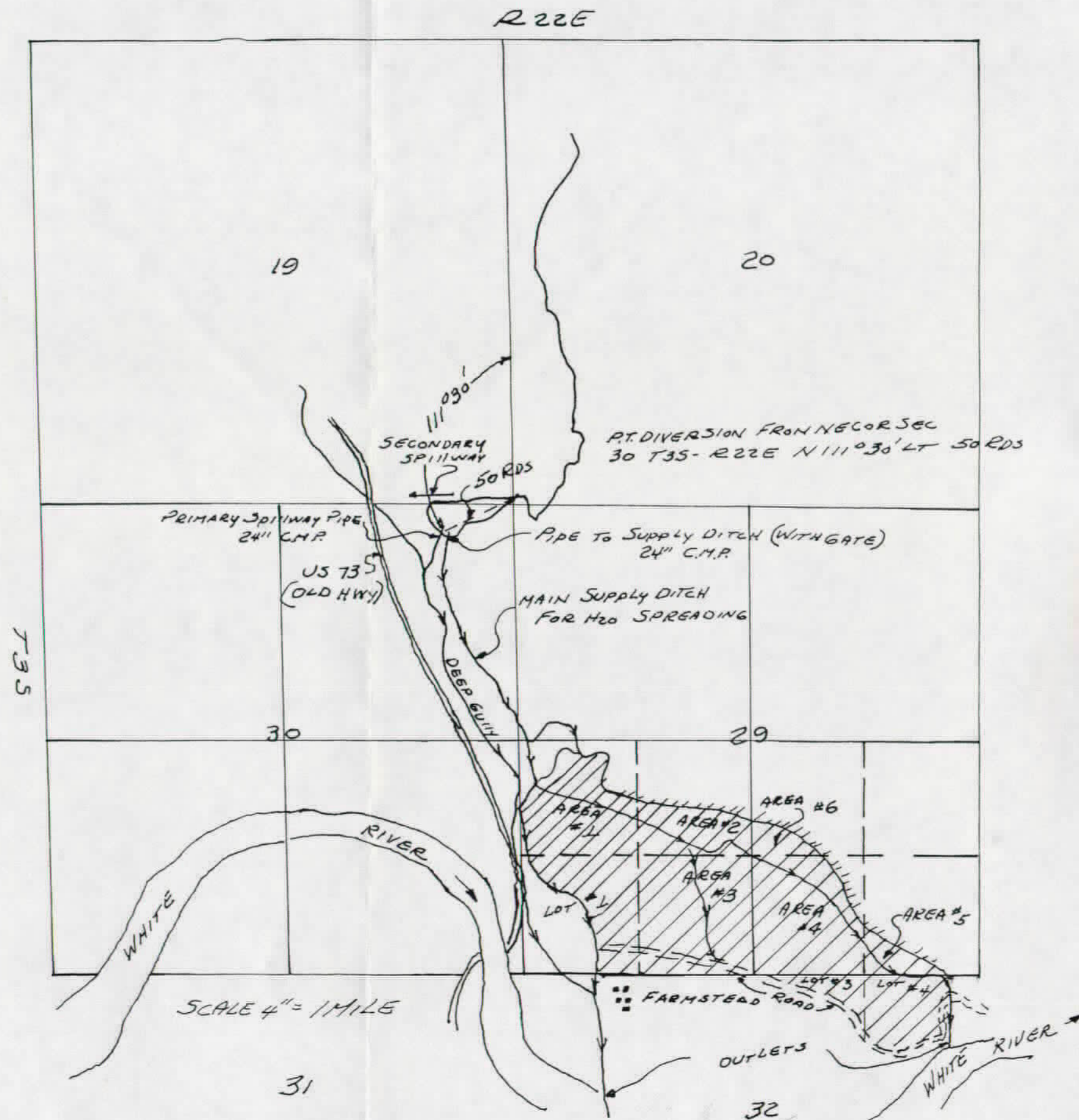
Diversion point is located
in NE 1/4 NE 1/4 Section 30 -
See attached map.

Timothy B. School
February 5, 1990

| AREA | LOCATION | ACRES |
|------|---|-------|
| 1 | NW ⁴ SW ⁴ SEC 29
T35 R 22E | 25.0 |
| 2 | NE ⁴ SW ⁴ SEC 29
T35 R 22E | 19.0 |
| 3 | SE ⁴ SW ⁴ SEC 29
T35 R 22E | 40.0 |
| 4 | SW ⁴ SE ⁴ SEC 29
T35 R 22E | 35.0 |
| 5 | SE ⁴ SE ⁴ SEC 29
T35 R 22E | 4.0 |
| 6 | NW ⁴ SE ⁴ SEC 29
T35 R 22E | 8.8 |
| 1 | SW ⁴ SW ⁴ SEC 29
T32 R 22E | 18.0 |
| | NW ⁴ NE ⁴ SEC 32 | |
| 3 | T35 R 22E | 14.3 |
| 4 | NE ⁴ NE ⁴ SEC 32
T35 R 22E | 38.20 |

TOTAL 202.3 AC

ALFRED W. HANSON
H₂O SPREADING DAM #1



698-2

2131-2, 698-2 &
LN 60849

File No. LN 60849

Water Rights Division -DENR
Conversation or File Documentation

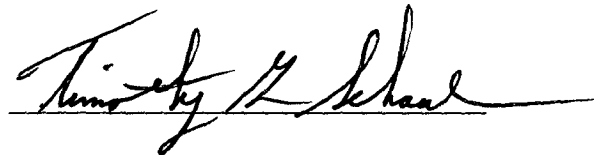
NAME OF PERSON OR FILE: Veryl Prokop

ADDRESS: XXXXXXXXXXXXXXXXXX COUNTY: Jackson

DATE: June 27, 2008 TELEPHONE: XXXXXXX

RE: dam repair

Yesterday, I met with Veryl Prokop and Gerald Magelky from the NRCS Office in Kadoka (I also talked to Thad Stout on the phone) about repair of the Prokop dam located in NW ¼ NW ¼ of Sec. 20-T3S-R22E. The culvert for the existing primary spillway had rusted out and partially failed (washed out) the embankment on the downstream slope. We discussed the repair, specifically the need for a low level bypass outlet for Thad Stout's downstream Water Right No. 698-2. It was agreed to locate the outlet about midlevel (8 ft down) due to the silt build up in the reservoir.



Timothy G. Schaal, P.E.
Natural Resources Engineering Specialist
Water Rights Program



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Lacreek National Wildlife Refuge
29746 Bird Road
Martin, South Dakota 57551-9510
605/685-6508
www.lacreek.fws.gov



LN 60849
698-2 & 2131-2

November 7, 2008

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NOV 12 2008

WATER RIGHTS
PROGRAM

Dept. of Environment & Natural Resources
Water Rights Program
Joe Foss Building
523 East Capital Ave.
Pierre, SD 57501

Mr. Timothy G. Schaal, P.E.,

This letter is to notify the Water Rights Division that a large dam located in Jackson County, was recently repaired under the State's definition of "maintenance" of a structure. This dam is located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 20 Township 3S, Range 22E. This structure is known as the Prokop Dam and is currently under the ownership of Veryl D. Prokop of Kadoka, South Dakota. This structure is covered under Location Notice (Dry Draw) No. 60849 dated January 6, 1975. This maintenance was completed with assistance from the U.S. Fish & Wildlife Services Partners for Fish & Wildlife Program and the Natural Resource Conservation Service (NRCS). Financial assistance was provided by the U.S. Fish & Wildlife Service and the private landowner. The structure received a new primary spillway that consisted of a new 42" CMP drop inlet with a 30" outlet. This drop structure also contained an 18" draw down pipe on the pool side with an irrigation gate to adhere to provisions in Water License No. 2131-2 and Water Right No. 698-2 under the name of Thad Stout. Some refacing of the structure also was performed; the emergency spillway of the structure is intact and required no work. All NEPA requirements were also completed for this site.

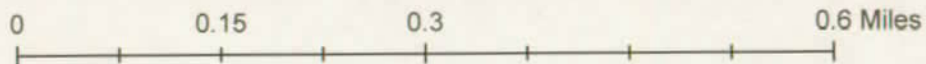
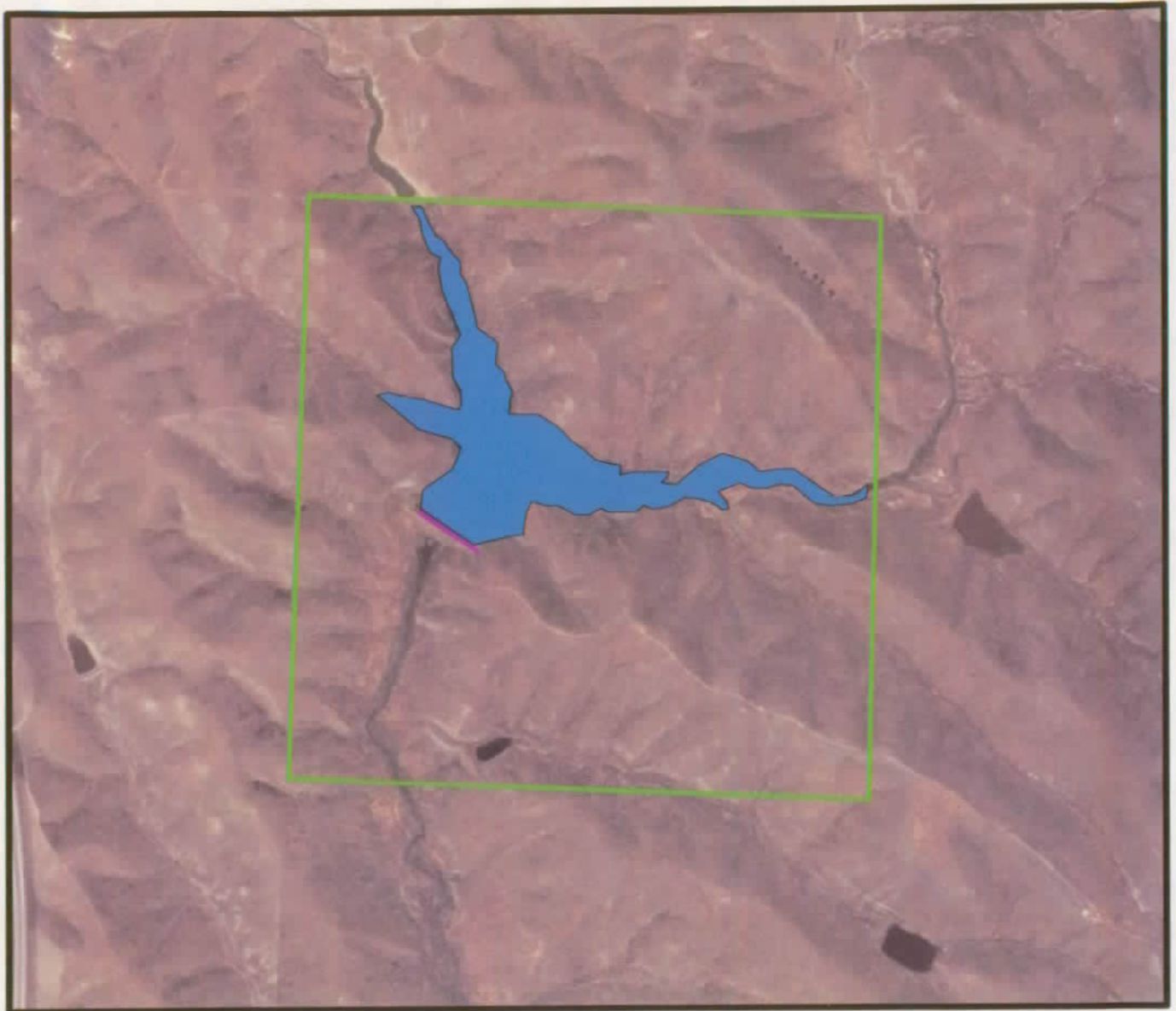
Sincerely,

Joseph E. Nichols; Wildlife Biologist
Partners for Fish & Wildlife Program

Cc: Kurt Forman; Wildlife Biologist



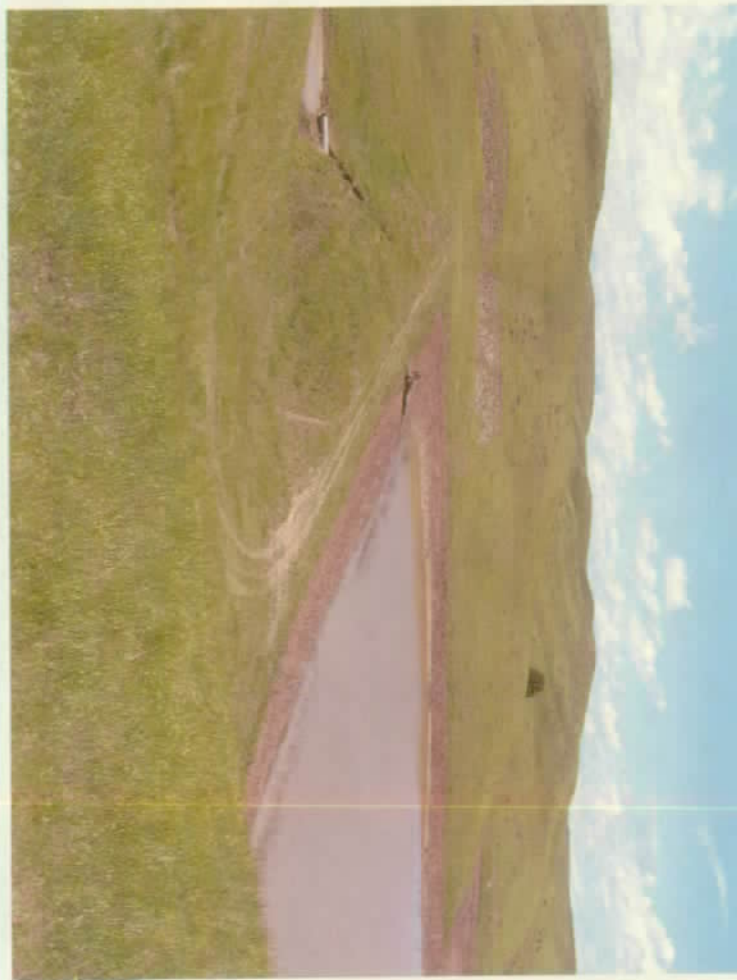
Veryl D. Prokop Jackson County



-  Project Boundary
-  Embankment
-  Wetland Created



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NOV 12 2008
WATER RIGHTS
PROGRAM





LOCATION NOTICE-DRY DRAW

Jackson
County

60849
Dry Draw No.

I, Otto F. Prokop, of
Name

Kadoka, South Dakota 57543
Address & Zip Code

Jackson
Town County

owner, of the following described land, do hereby notify the Water
owner or operator

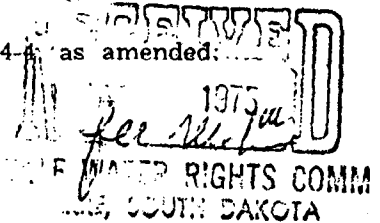
Resources Commission of the State of South Dakota and all others concerned that I am exercising my right under Section 46-4-3 of the South Dakota Compiled Laws, 1967 for construction of a Dry Draw dam for the purpose of storing
(storing, diverting, or both)
flood waters for livestock purposes.

The following data is presented in compliance with SDCL 1967-46-4 as amended:

(1) Dates of

(a) This application 1-6-75

(b) Posting at construction site



(2) Legal description of the land upon which the dam is located. NW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 20, Township 3S, Range 22E. The dam is located 80 rods S and 51 rods E of the NW corner of said Section (N.S.E.W.) (N.S.E.W.) (NW,NE,SE,SW)

in the County of Jackson

The owner of the land is Otto F. Prokop Kadoka, South Dakota 57543
Name Address

(3) Amount of water claimed for all purposes each year 114.5 acre feet.

(4) Storage capacity of reservoir 114.5 acre feet.

(5) Surface area of reservoir 14.7 acres.

(6) Size of watershed above dam 1850 acres.

(Over)

Enclosed herewith is one dollar (\$1.00). The Water Resources Commission is requested to file this Location Notice in their official records.

A copy of this Location Notice has been filed (do not record) with the Register of Deeds of Jackson County and has been posted at the structure site in accordance with Section 46-4-3 of the Water Laws.

Otto F. Prokop
Owner

by _____
Locator

STATE OF SOUTH DAKOTA
County of Jackson } ss.

On this 6th day of January, 19 75, before me

Janet Magelky, a Notary Public
(Notary Public or other Official having a seal)

in and for the County and State aforesaid, personally appeared Otto F. Prokop
to me personally known to be the person who executed the foregoing instrument and acknowledged that, —he executed the same for the purposes therein set forth.

Witness my hand and official seal the day and date above written.

Janet Magelky
Name

(SEAL)

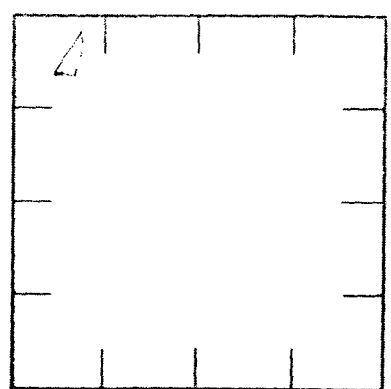
Notary Public

Title
My Commission expires 6-18-82

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JUL - 3 2008
WATER RIGHTS
PROGRAM

STRUCTURE DATA

| DRAINAGE AREA | ANNUAL YIELD | PEAK RUNOFF | EMERG. SPLWY. CAPACITY | WATER DEPTH | SURFACE AREA | SEDIMENT STORAGE | TOTAL STORAGE |
|---------------|--------------|-------------|------------------------|-------------|--------------|------------------|---------------|
| ACRES | AC. FT. | 25-YR. | C.F.S. | FEET | ACRES | AC. FT. | AC. FT. |
| 1850 | | | | | | | |



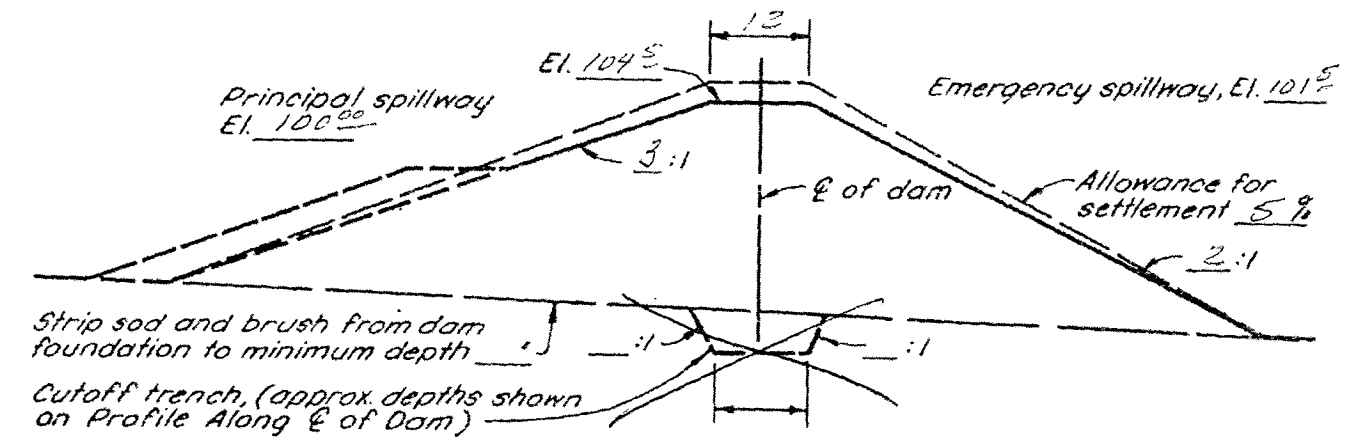
Sec. 30T. 3S. R. 22E
Jackson County

LOCATION

BA# 138
EI 106
A

TABLE OF QUANTITIES

| ITEM | UNIT | QUANTITY |
|---|------|----------|
| Excavation: | CY | 3972 |
| Structure Reinforcement | E2 | 1 |
| Embankment + 5% Set down | CY | 4170 |
| 4'-2" x 8' CMP Drop Inlet + 18' x 30" Tee's | E2 | 1 |
| 30" CMP 16 Gauge | LF | 94 |
| 18" CMP 16 Gauge | LF | 40 |
| Ant. Seep Collar Sand Job Plan 3.8 | E2 | 1 |
| Pipe Support Job Plan 4.0 & 4.1 | E2 | 2 |
| Trash Rack & Baffle Job Plan 6.4 | E2 | 1 |
| 30" CMP 16 Gauge 5° Elbow | E2 | 1 |
| | | |
| | | |
| | | |
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TYPICAL CROSS SECTION OF DAM

S.D. CONSTRUCTION AND MATERIAL SPECIFICATIONS:

- SD-15 Corrugated Metal Pipe
- SD-3 Structure Reinforcement
- SD-7S Earth Fill Class S
- SD-12B Concrete to Minor Structure
- SD-13 Steel Reinforcement
- SD-16 Timber Reinforcement
- SD-17

EARTH DAM

| | |
|--|---------------------------------|
| OPERATOR: <u>Veryl Prokop</u> | |
| CONSERVATION DISTRICT: <u>Jackson</u> | |
| U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE | |
| Designed: <u>G. L. Mays</u> | Date: <u>07/02/08</u> |
| Drawn: _____ | Approved by: <u>[Signature]</u> |
| Traced: _____ | Title: <u>1.0</u> |
| Checked: _____ | Sheet: <u>1</u> |
| | Drawing No. <u>8</u> |

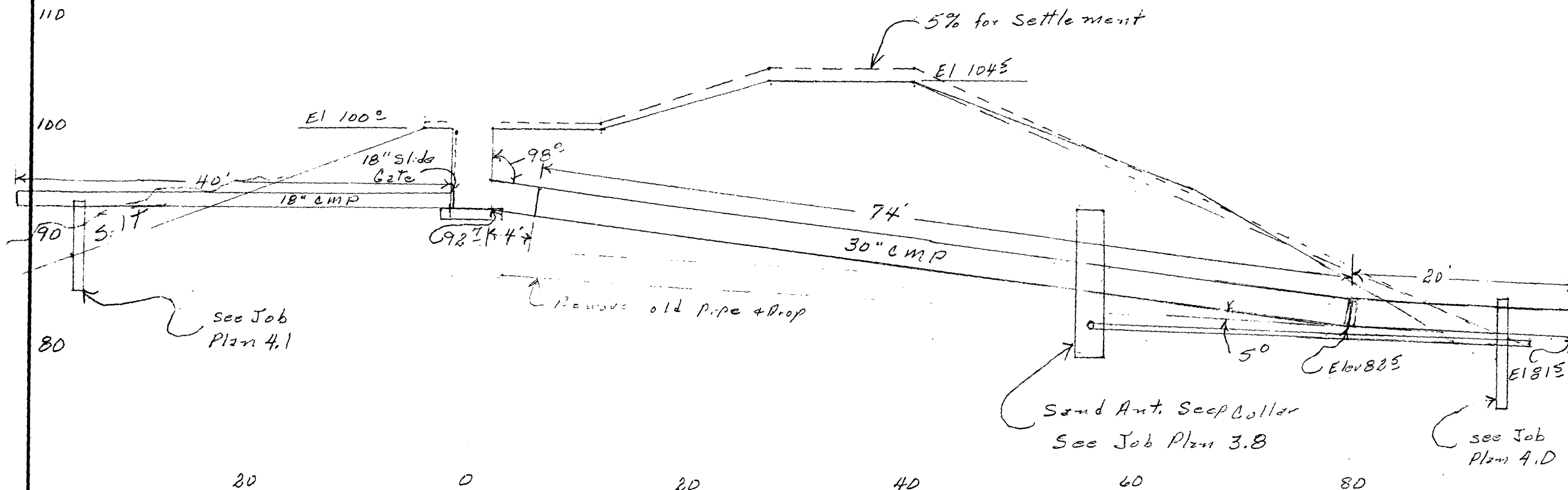
SKETCH PLAN OF DAM AND RESERVOIR AREA

Approximate scale 1" = Not To Scale

REFERENCE: GUIDE PLAN NO. 1.0

JOB PLAN NO. 1.0

(Rev. 4-73) 5, N-29, 073.10(1)



Veryl Prokop

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

| | | | |
|----------|--|------------------|--|
| Date | | Approved by | |
| Designed | | Title | |
| Drawn | | Title | |
| Traced | | Sheet No. 2 of 8 | |
| Checked | | Drawing No. | |

Locate principal spillway pipe
at $\mathcal{C}$ of dam sta. + , at
an angle of $^{\circ}$ to the $\mathcal{C}$ of
the dam.

Emergency spillway El. 101.5

Principal spillway El. 100⁰

Berm, if required 3 : 1
slope normal to Q of
dam _____

Trash rack and baffle plate
not shown. See job plan
no. 6.4

3 : 1 slope normal
to $\odot$ of dam -

Top of dam after
settlement El. 104.5

Note: Allowance for settlement 5 %

✓ 2:1 slope normal to ϕ of dam

Antiseep collars

98' of 30" dia. pipe

CROSS SECTION OF DAM ALONG C OF PRINCIPAL SPILLWAY
(Not to scale)

SPECIFICATION NOTES

1. ELBOW, IF REQUIRED, MAY BE FABRICATED BY CONTINUOUS WELDING SEPERATE PIPE SECTIONS OR BY FABRICATING A CONTINUOUS WELDED JOINT ON THE UPSTREAM END OF LAST SECTION OF PIPE.
2. PIPE WALL THICKNESS SHALL BE 1/6 GAGE OR _____ INCHES.

TABLE OF QUANTITIES

| ITEM | UNIT | QUANTITY |
|--|------|----------|
| 48" X 8' CMP Drop Inlet 14 Gage JP 5.3 | Ea | 1 |
| 30" CMP 16 Gage | LF | 94 |
| 5° Elbow on one Section 14 Gage | Ea | 1 |
| 18" CMP 16 Gage | LF | 40 |
| 18" Slide Gate | Ea | 1 |
| | | |
| | | |
| | | |
| | | |
| | | |

APPLICABLE STANDARD S.C.S. SPECIFICATIONS

[illegible]

Prefabricated elbow 5°

Pipe support, see job plan no. 4.0

El. 815

El. 820

5'

OUTLET DETAIL WITH PIPE SUPPORT

Map No. Sec. 30, T. 35, R. 22E
Jackson County

LOCATION

CORRUGATED METAL PIPE
DROP INLET PRINCIPAL SPILLWAY

OPERATOR Veryl Roberts

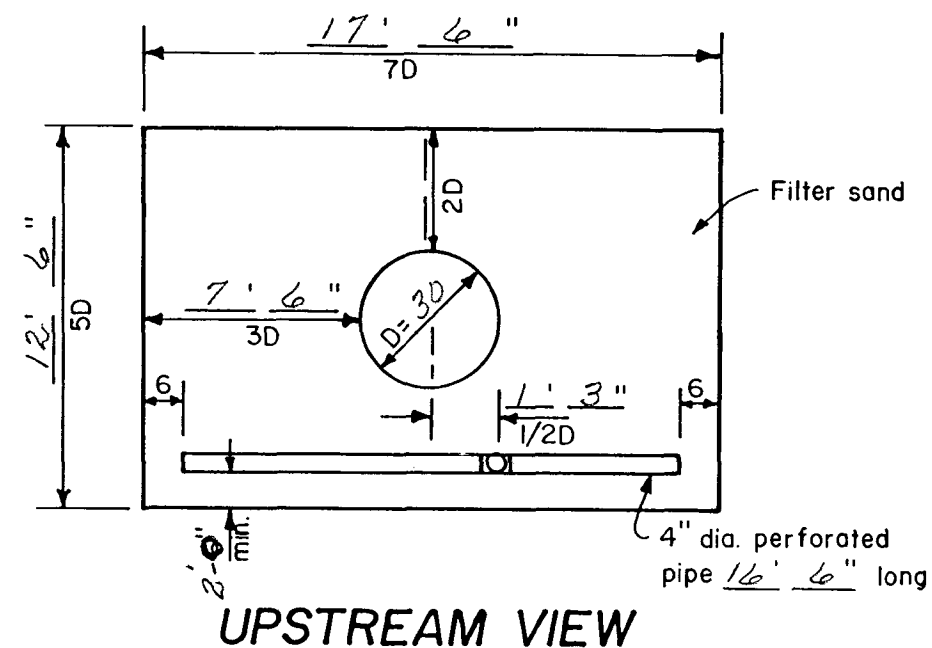
CONSERVATION DISTRICT

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

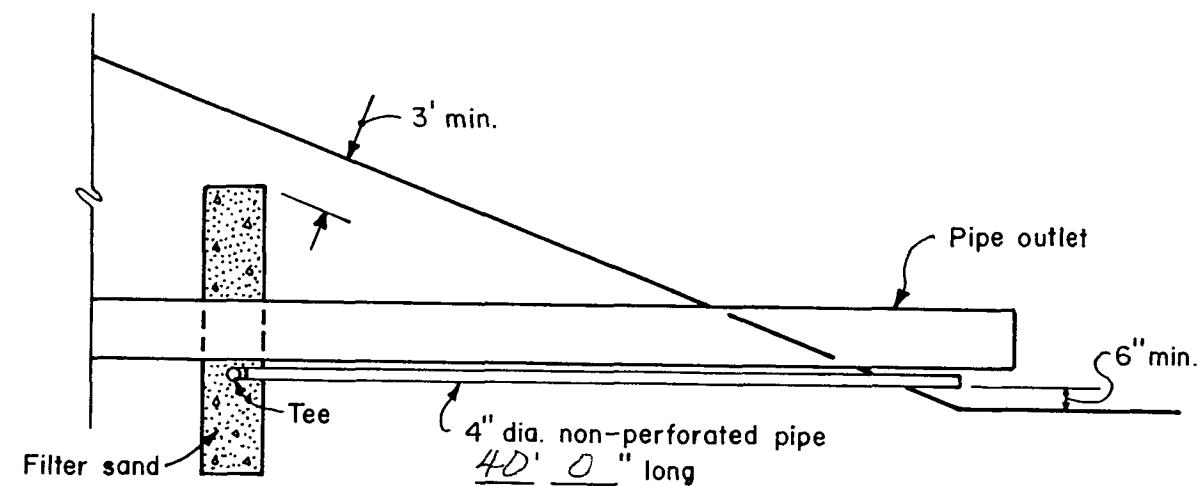
| | | | |
|----------|--|-------------|------------|
| Date | | Approved by | |
| Designed | | Title | |
| Drawn | | Title | |
| Traced | | Sheet | Drawing No |
| Checked | | No | |

REFERENCE: GUIDE PLAN NO. 2.0

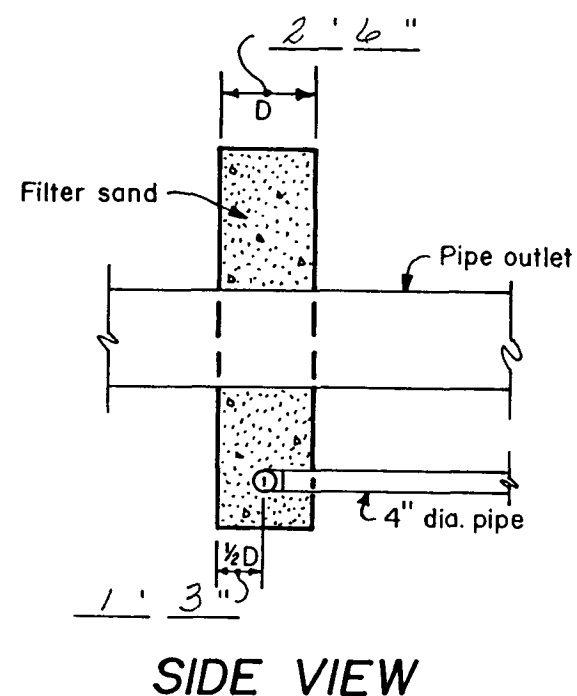
Rev. 8/80
JOB PLAN NO. 2.0



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



OUTLET DETAIL



SIDE VIEW

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

Sec. 20, T. 35, R. 22E
Jackson County
LOCATION

SAND ANTISEEP COLLAR

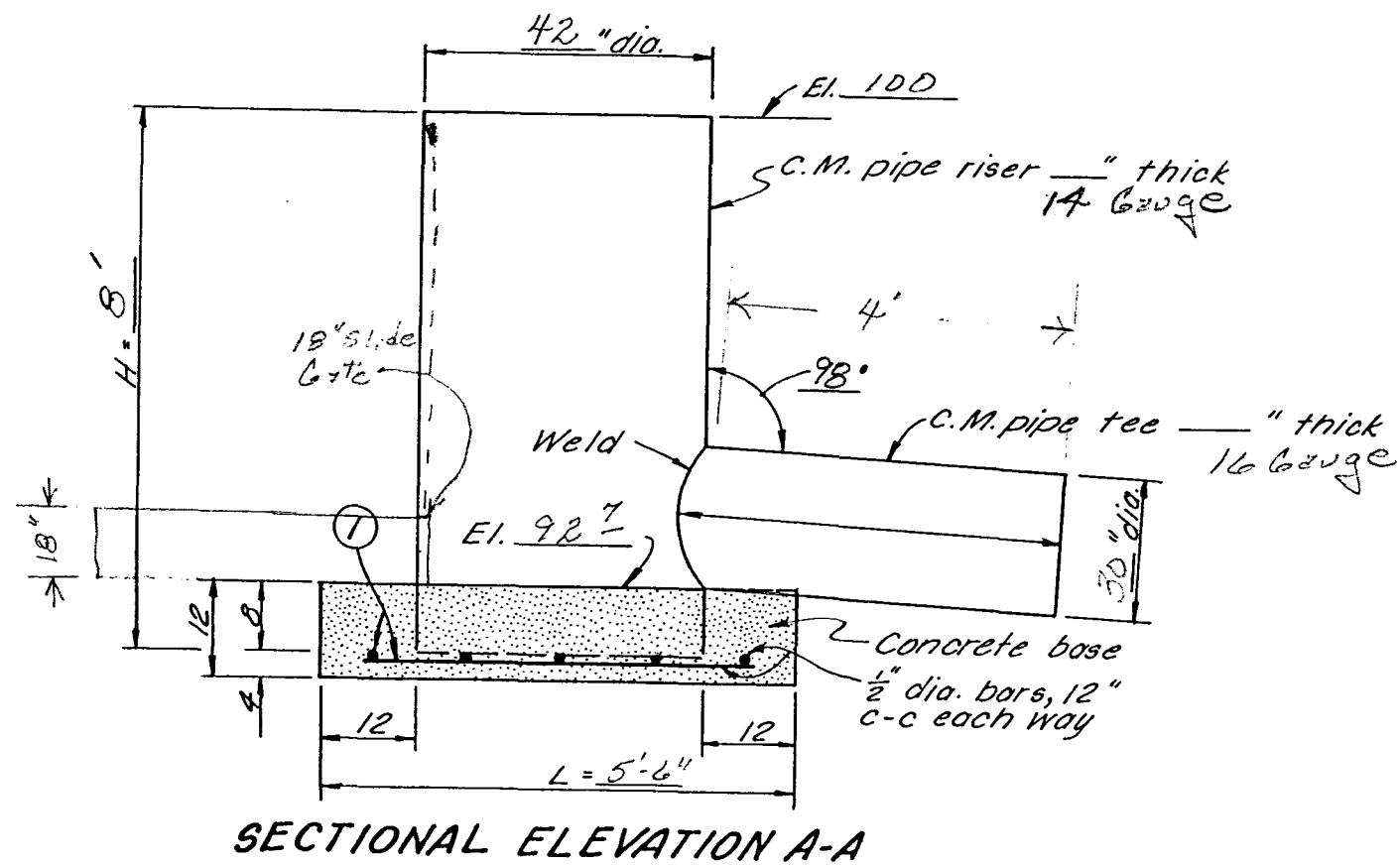
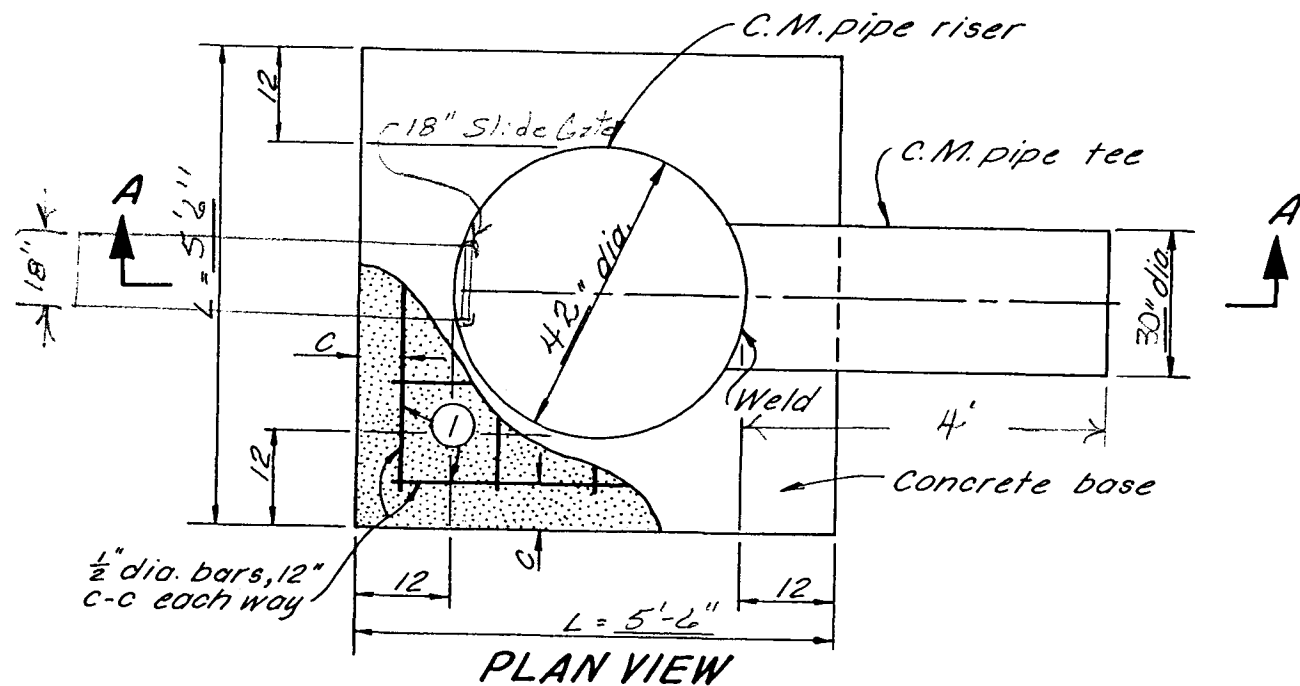
OPERATOR Veryl Prokoff

CONSERVATION DISTRICT *7/21/50-21*

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

| | | | |
|-----------------------------|--|--------------------------------|--|
| Date <u>6/11/2009</u> | | Approved by <u>[Signature]</u> | |
| Designed <u>[Signature]</u> | | Title <u>CE-7</u> | |
| Drawn _____ | | Sheet _____ | |
| Traced _____ | | Drawing No _____ | |
| Checked _____ | | No <u>4</u> | |

JOB PLAN NO. 3.8



STEEL SCHEDULE

| RISER
DIA.
IN. | BAR
SIZE | MARK | TYPE | NO.
REQ'D. | LENGTH
FT.-IN. | TOTAL
LENGTH
FT.-IN. | TOTAL
WT. LB. | C
IN. | L
FT.-IN. |
|----------------------|-------------|------|------|---------------|-------------------|----------------------------|------------------|----------|--------------|
| 42 | 4 | I | STR. | 12 | 5'0" | 40'0" | 40 | 3 | 5'2" |

TABLE OF QUANTITIES

| ITEM | UNIT | QUANTITY |
|-------------------|--------|----------|
| CONCRETE | CU.YD. | 1.2 |
| REINFORCING STEEL | LB. | 40 |

NOTE:

Manufacture 18" Slide Gate in Drop
Inlet with 18" CM Pipe Tee 16 Gauge
Opposit 30" CM P. Pipe Tee.

C.M. PIPE RISER WITH FABRICATED TEE

OPERATOR: Veryl Prokop
CONSERVATION DISTRICT: Jackson

CONSERVATION DISTRICT: Jackson

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

| | |
|-------------|---------------------------|
| Date | |
| Designed | G. L. Macgill / May 06/08 |
| Drawn | |
| Traced | |
| Checked | |
| Approved by | [Signature] |
| Title | C-E-7 |
| Sheet No. | 3 |
| Drawing No. | of 3 |

REFERENCE: GUIDE PLAN NO. 5.3

JOB PLAN NO. 5.3

5.N-29,073.5-3n

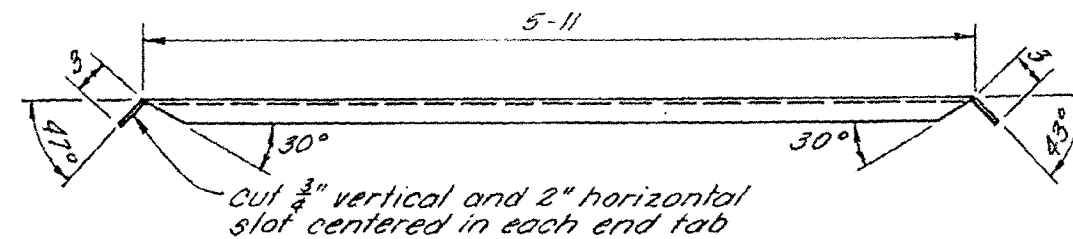
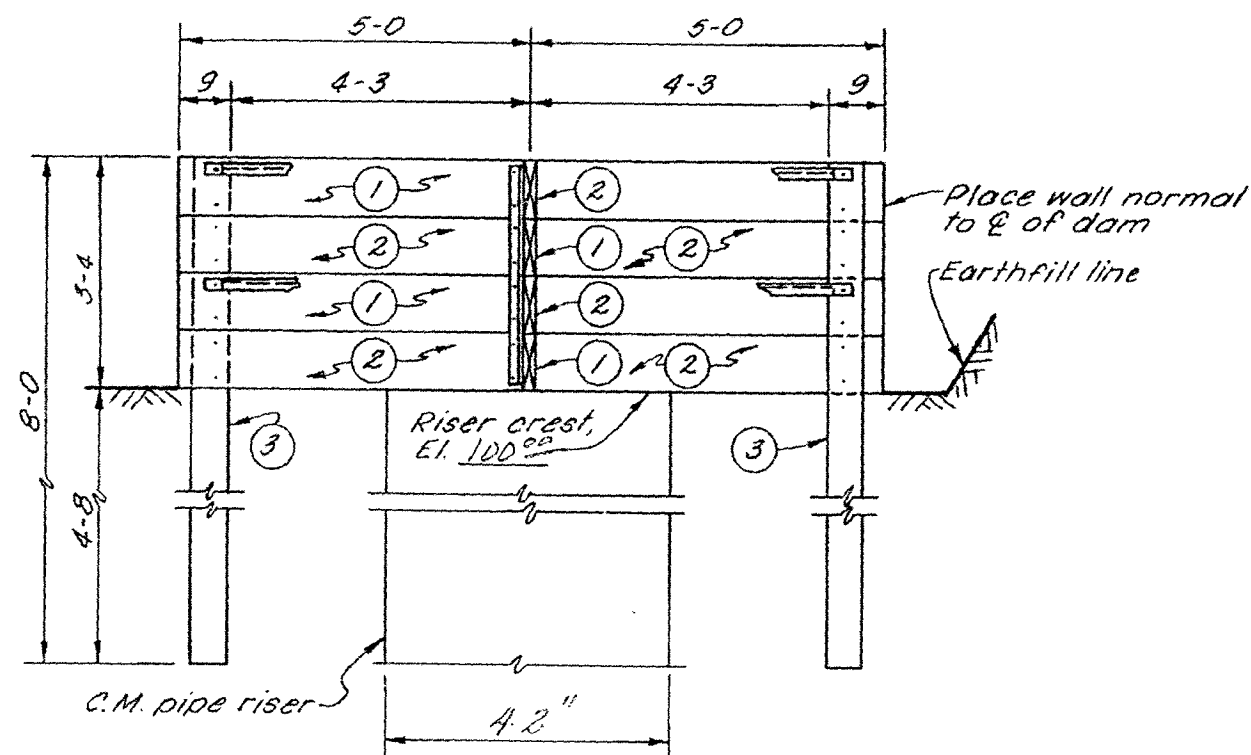
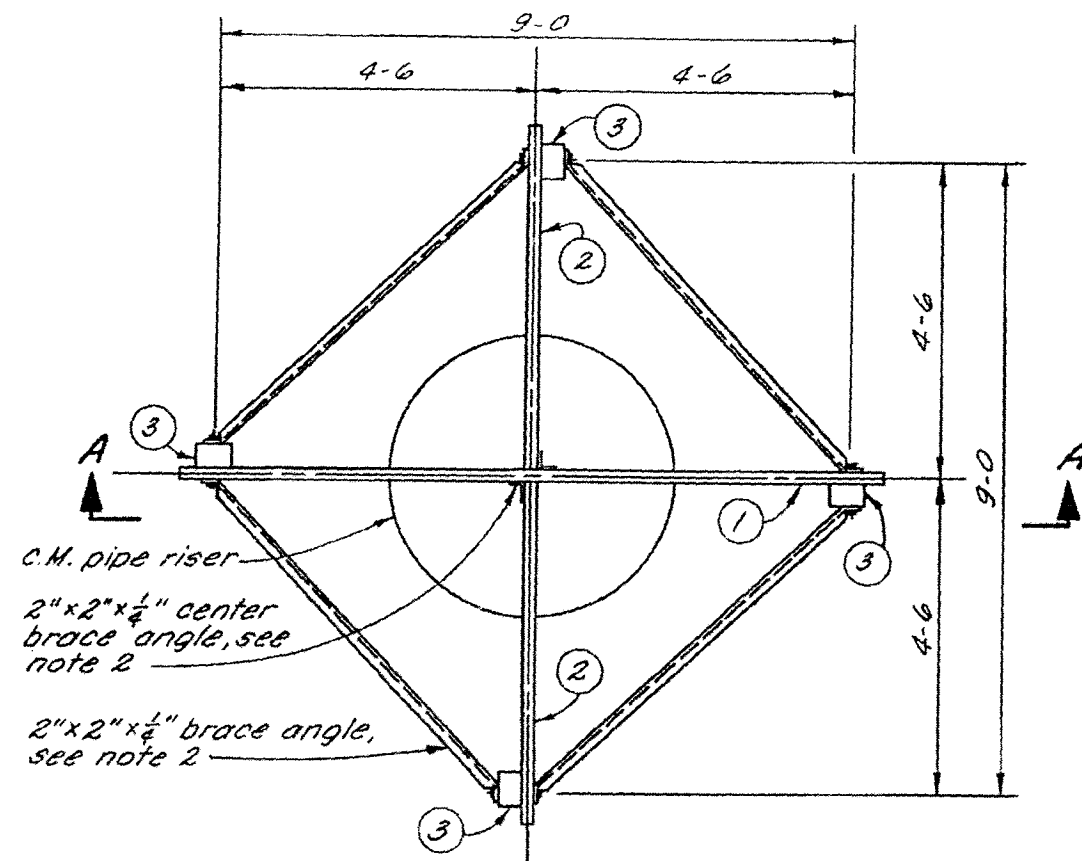


TABLE OF QUANTITIES

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

NOTES:

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

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

OPERATOR: Venil Prabh

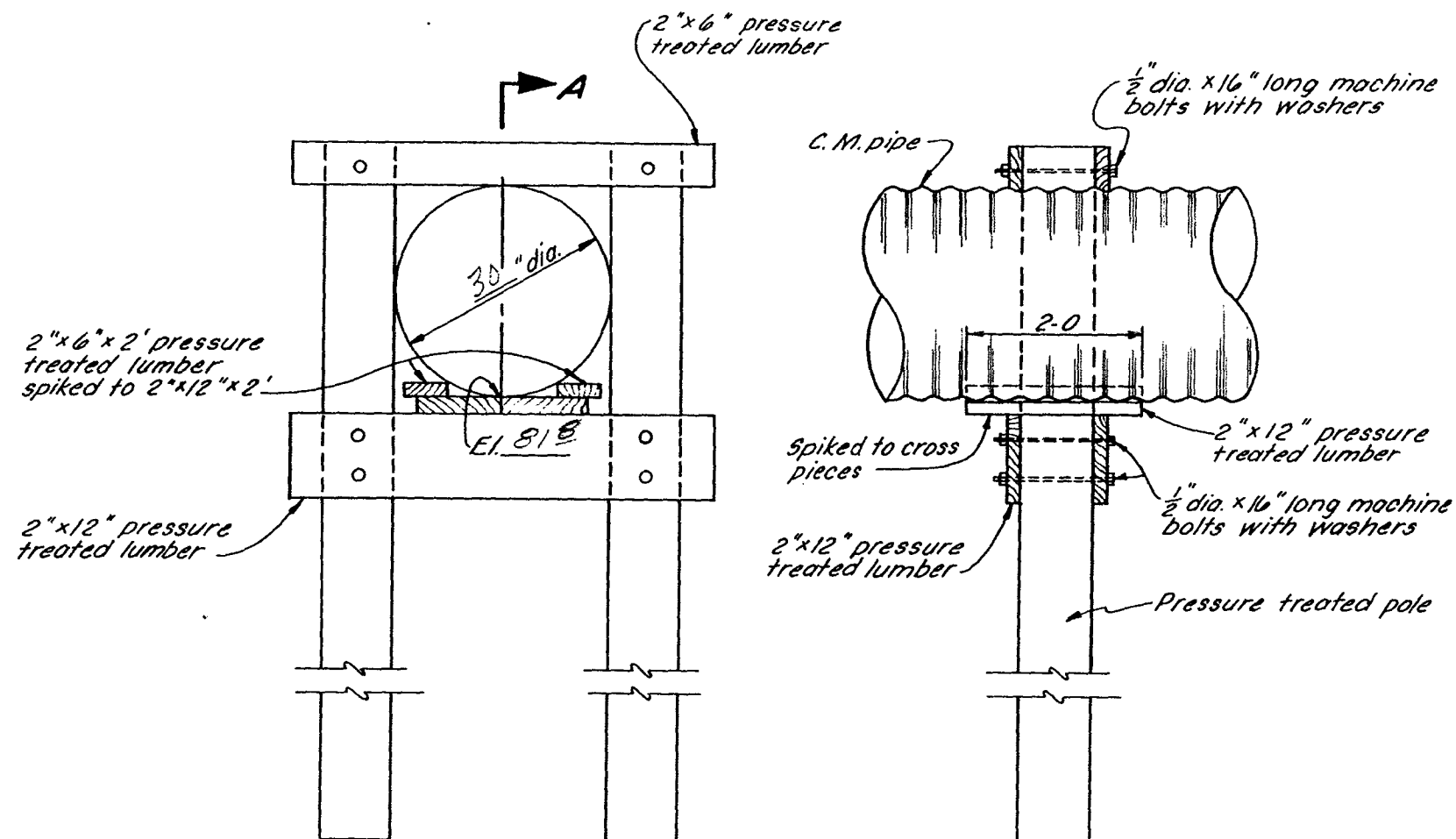
CONSERVATION DISTRICT: _____

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

| | |
|----------|-------------|
| Date | Approved by |
| Designed | Title |
| Drawn | Title |
| Traced | Sheet No |
| Checked | Drawing No |

JOB PLAN NO. 6.4

5, N-29, 073.6-4a



ELEVATION
SECTIONAL ELEVATION A-A

- NOTES:
- HAND OR MACHINE TAMP BACKFILL THOROUGHLY AROUND FOOTINGS AND COLUMNS.

TABLE OF QUANTITIES

| ITEM | LENGTH FOR 30" DIA. C.M. PIPE | UNIT | QUANTITY |
|-----------------------------------|-------------------------------|------|----------|
| PRESSURE TREATED POLE 12" DIA. | 10'-0" | EACH | 2 |
| 2" X 12" PRESSURE TREATED LUMBER | 5'-0" | EACH | 2 |
| 2" X 6" PRESSURE TREATED LUMBER | 5'-0" | EACH | 2 |
| 2" X 12" PRESSURE TREATED LUMBER | 2'-0" | EACH | 2 |
| 2" X 6" PRESSURE TREATED LUMBER | 3'-0" | EACH | 2 |
| 1/2" DIA. MACHINE BOLTS WITH NUTS | 1'-4" | EACH | 6 |
| 1/2" DIA. WASHERS | | EACH | 12 |

TIMBER PIPE SUPPORT

| | |
|--|--------------------------------|
| OPERATOR: <u>W. H. Hoke</u> | |
| CONSERVATION DISTRICT: <u>Jackson</u> | |
| U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE | |
| Designed: <u>W. H. Hoke</u> | Date: <u>11/1/50</u> |
| Drawn: _____ | Approved by: _____ |
| Traced: _____ | Title: _____ |
| Checked: _____ | Title: _____ |
| | Sheet No. <u>1</u> of <u>5</u> |
| | Drawing No. _____ |

REFERENCE: GUIDE PLAN NO. 4.0

JOB PLAN NO. 4.0

5, N-29,073.4a

HOLD DOWN ROD DIMENSIONS

| PIPE DIA. IN. | ROD LENGTH IN. |
|---------------|----------------|
| 18 | 43 |
| 21 | 47 |
| 24 | 51 |
| 30 | 60 |

SIDE ELEVATION
TIMBER PROP FOR 18" TO 30" DIA. C.M. PIPE

END ELEVATION

HOLD DOWN ROD DIMENSIONS

| PIPE DIA. IN. | ROD LENGTH IN. |
|---------------|----------------|
| 36 | 65 |
| 42 | 72 |
| 48 | 80 |

SIDE ELEVATION

TIMBER PROP FOR 36" TO 48" DIA. C.M. PIPE

END ELEVATION

HOLD DOWN ROD DIMENSIONS

| PIPE DIA. IN. | ROD LENGTH IN. |
|---------------|----------------|
| 12 | 32 |
| 15 | 39 |

SIDE ELEVATION
TIMBER PROP FOR 12" TO 15" DIA. C.M. PIPE

END ELEVATION

NOTES:

1. STEEL PARTS SHALL BE STRUCTURAL QUALITY STEEL.
2. GALVANIZE OR PAINT ALL STEEL ITEMS AS SPECIFIED.
3. CROSS OUT PLANS NOT APPLICABLE.

JOB PLAN NO. 4.1

TIMBER PIPE SUPPORT

OPERATOR: Veryl Prokop
CONSERVATION DISTRICT: Tackson

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

| | | |
|-----------------------------|----------------------------------|--------------------------------|
| Designed <u>W. H. H. H.</u> | Date <u>10/1/50</u> | Approved by <u>W. H. H. H.</u> |
| Drawn <u>W. H. H. H.</u> | Title <u>Timber Pipe Support</u> | |
| Traced <u>W. H. H. H.</u> | Sheet No. <u>1</u> | Drawing No. <u>1</u> |
| Checked <u>W. H. H. H.</u> | of <u>1</u> | |

5.N-29,073.4-1a