Print Form

INPUT DATA FOR JOB PLAN 1.0_NP

Fill in the information identified in the blocks that are highlighted in yellow. The green shaded blocks are computed or copied values and no input is necessary. This information will be populated onto the Job Plan 1.0_NP Drawing sheets.

Producer Name: _____

Legal Description: SE1/4 of SE1/4 Section 36 Township _____ Range _____

County Name: Ziebach

Reset Quarter Section Choices

BASIC DAM INFORMATION:

Top of Dam Elevation _____ Top Width _____ ft.

Auxiliary Spillway Elevation _____ Core Trench Bottom Width _____ ft.

Upstream Sideslope Ratio ___:1 SS Downstream Sideslope Ratio ___:1 SS

NRCS Engineering Job Class II Hazard Classification: Low

SEDIMENT YIELD					
Erodibility Area	*Gross Rate (A.F./Ac./Yr.)*	*Drainage Area (Acres)*	*Delivery Rate (%)*	*Design Period (Years)*	*Req. Sed. Volume (Ac.-Ft.)*
H					

STRUCTURE DATA		
Length of Top of Dam		*Feet*
Water Depth to Crest of Auxiliary Spillway		*Feet*
Height of Downstream Toe to Top of Dam		*Feet*
Effective Height (Low point on Dam CL to Aux. Spillway Crest)		*Feet*
Product of Storage X Effective Height		

HYDRAULIC DATA		
Drainage Area		*Acres*
Annual Runoff Yield (80 % Chance Occurrence)		*Ac. Ft.*
Time of Concentration		*Hours*
Runoff Curve Number		
Auxiliary Spillway, 25 Year - 24 Hour Rainfall		*Inches*
Peak Runoff 25 Year - 24 Hour Event		*CFS*
Auxiliary Spillway Discharge		*CFS*
Auxiliary Spillway Flow Depth		*Feet*

Scale of Sketch Map to be Imported: 1 inch = _____ feet

POOL DATA			
	ELEVATION	*AREA (acres)*	*STORAGE (AC. FT.)*
Crest of Auxiliary Spillway			
Top of Dam			

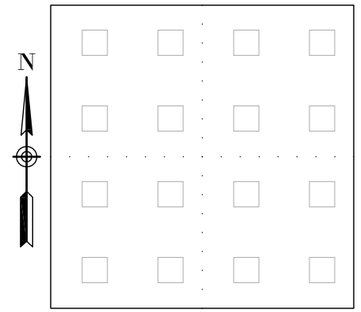
TABLE OF QUANTITIES			
ITEM	UNIT	ESTIMATED QUANTITY	AS-BUILT QUANTITY
Earthfill Class S -Embankment	*Cu. Yd.*		
Earthfill Class S -Core Trench	*Cu. Yd.*		
Earthfill Class S -Stripping	*Cu. Yd.*		
Total Earthfill	*Cu. Yd.*		
Topsoil Auxiliary Spillway	*Cu. Yd.*		
Seeding (Earthfill and Auxiliary Spillway)	*Acre*		

DESIGNERS INFORMATION:

Designed By: _____ Design Date: _____

Drawn By: _____ Drawn Date: _____

Checked By: _____ Check Date: _____

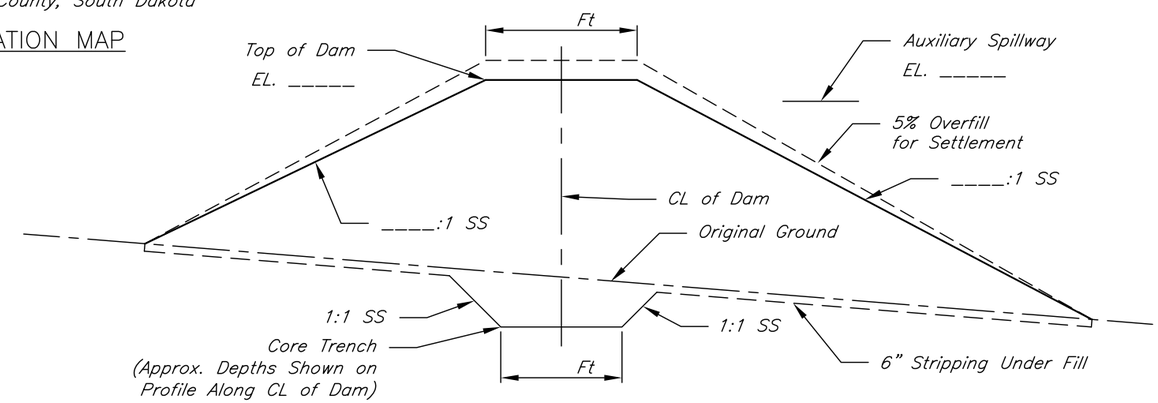


____, Sec. ___, T ____, R ____

_____ County, South Dakota

LOCATION MAP

TABLE OF QUANTITIES			
ITEM	UNIT	QUANTITY	AS–BUILTS
Earthfill Class S – Embankment	Cu. Yd.		
Earthfill Class S – Core Trench	Cu. Yd.		
Earthfill Class S – Stripping	Cu. Yd.		
Total Earthfill	Cu. Yd.		
Topsoil Auxiliary Spillway	Cu. Yd.		
Seeding (Earthfill and Auxiliary Spillway)	Acre		



TYPICAL CROSS SECTION OF DAM

SKETCH PLAN OF DAM AND RESERVOIR AREA

Scale: 1 Inch = ____ Feet

SEDIMENT YIELD					
Erodibility Area	Gross Rate (A.F./Ac./Yr.)	Drainage Area (Acres)	Delivery Rate (%)	Design Period (Years)	Req. Sed. Volume (Ac.–Ft.)

STRUCTURE DATA		
Length of Top of Dam		Feet
Water Depth to Crest of Auxiliary Spillway		Feet
Height of Downstream Toe to Top of Dam		Feet
Effective Height		Feet
Product of Storage X Effective Height		

POOL DATA			
	ELEV.	AREA	STORAGE
Crest of Auxiliary Spillway		Ac.	Ac.–Ft
Top of Dam		Ac.	Ac.–Ft

NO EXCAVATOR MAY BEGIN ANY EXCAVATION WITHOUT FIRST NOTIFYING THE ONE–CALL NOTIFICATION CENTER OF THE PROPOSED EXCAVATION AT 1–800–781–7474.

CONSTRUCTION NOTES

1. If cultural resources are discovered during construction, discontinue construction and notify the local Natural Resources Conservation Service office.
2. The landowner is responsible for complying with all federal, state, and local laws.
3. Clear and grub the entire area within the work limits.
4. Any shale, gravel, or sand that is exposed during borrow operations shall be immediately backfilled with 2 feet of clay material.
4. All fill material must not contain frozen material, sod, roots, or other perishable material, or rock larger than eight inches in diameter as described in SD Construction Specification SD–7S.
5. Six inches topsoil will be incorporated into the earthfill to meet the neat lines shown on the typical section.
6. All areas top–dressed with topsoil and disturbed during construction will be seeded according to SD Construction Specification SD–28.

HYDRAULIC DATA		
Drainage Area		Acres
Annual Runoff Yield		Ac. Ft.
Time of Concentration		Hours
Runoff Curve Number		
Auxiliary Spillway, 25 Year – 24 Hour Rainfall		Inches
Peak Runoff 25 Year – 24 Hour Rainfall		CFS
Auxiliary Spillway Discharge		CFS
Auxiliary Spillway Flow Depth		Feet

SD CONSTRUCTION AND MATERIAL SPECIFICATIONS

SD–4 Stripping
SD–5 Excavation
SD–7S Earthfill – Class S
SD–10 Salvaging And Spreading Topsoil
SD–28 Seeding
For A Full Text Version See
http://www.sd.usda.gov/technical/SD_Engineering.html

NRCS HAZARD CLASS A
NRCS JOB CLASS ___

STATEMENT OF COMPLIANCE

Construction (was) (was not) completed in accordance with approved construction plans and specifications.

_____
JAA Date

POND WITHOUT PRINCIPAL SPILLWAY PIPE
JOB PLAN 1.0NP REV. 1/2012

Date
Designed
Drawn
Checked
Approved

NAME: _____ 378 POND
COVER SHEET
____, Sec. ___, T ____, R ____ County, South Dakota

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

File No.
JP 1–0_NP.dwg

Drawing No.
–

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Sheet 1 of 2

CROSS – SECTION AT CREST OF EMERGENCY SPILLWAY AND PROFILE ALONG CL OF DAM

MAXIMUM CROSS SECTION OF DAM

PROFILE ALONG CL OF AUXILIARY SPILLWAY

Designed : Date :
Drawn : :
Checked : :
Approved

NAME: 378 POND

PROFILES AND CROSS-SECTION OF DAM AND AUXILIARY SPILLWAY

___, Sec. ___, T ___, R ___ County, South Dakota

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

File No.
JP 1-0_NP.dwg

Drawing No.
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Sheet 2 of 2