CONSTRUCTION CHECK

TBM_____Elev_____B.S._____H.I_____					Note: Include Pipe Spillway Inlet & Outlet Elev.
Station	Rod Reading	Const. Elev.	Planned Elev.	Deviation	Cross Section And Remarks

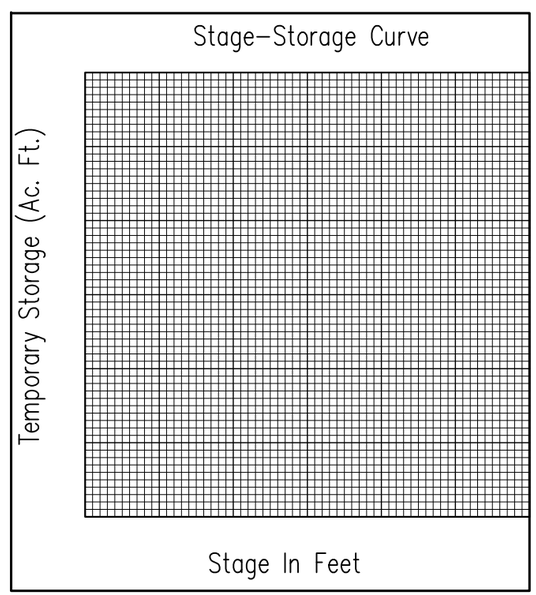
Dimensions of Principal Spilllway_____Pipe Material_____ Pond area_____sq.ft. @_____ft. depth (If for fish production)
Fill and Spillway (have) (have not) been seeded and mulched.
Pond (has) (Has not) been fenced. Kind_____
Stockwater system adequate (yes) (no) _____
Remarks: _____
_____ I certify that this job meets all the requirements of Illinois Standards and Specifications for:

☐ Pond ☐ Grade Stabilization Structure

By_____date_____

Name_____ County_____
By_____ Date_____ Checked by_____ Date_____
Practice Name_____ Field No._____Str. No._____ Sheet__of__

AVAILABLE STORAGE					
Elev.	Area		Internal Storage Ac. Ft.	Accum. Storage	
	Sq. In.	Flooded Acres		Sed. and/or Water	Temporary



Drainage Area_____ac.
Average Watershed slopes: Flat (0–2) Med. (3–2) Steep (8%+)
Runoff CN = *_____
* For RCN See EFM Chapter 2

	Principal Spillway	Auxiliary Spillway
Frequency	_____yr.	_____yr.
24–Hour Rainfall	_____in.	_____in.
Peak Inflow Q	_____ cfs	_____cfs
Watershed Runoff	_____in.	

PIPE SIZE STORAGE REQUIREMENTS
Pipe dia._____in. Kind_____ Length_____ft.
Head_____ ft. Q_0 =_____cfs; cfs/ac_____
If cfs/ac is less than 0.4, use Page 11–54 EFM.
Temporary Storage =____in. (From chart)

$v_s = \frac{_____ \text{in.}}{12} \times _____ \text{ac.} = _____ \text{ac.ft.}$

If cfs/ac is more than 0.4, use Page 11–54 EFM.

$v_r = \frac{\text{Runoff (in.)} \times \text{Drainage Area (ac.)}}{12} = ____ \text{ac.ft.}$

$\frac{Q_0}{Q_i} = _____ = _____; \ \frac{v_s}{v_r} = k = _____$

$V_s = kV_r = _____ \times _____ = _____ \text{ac.ft.}$

Stage Required = _____ft. (From Stage Storage Curve)
Stage used =_____ft.

Auxiliary SPILLWAY REQUIREMENTS
Q = Aux. Spillway Peak Inflow – Prin. Spillway Discharge
=_____cfs –_____cfs = _____cfs
From EFM Chapter 11,
Length of Control Section =_____ft. ; Width = _____ft.
Depth (Hp) =_____ft. Freeboard = _____ft.
Exit Slope =___% Min. Slope =___% Max. Slope =___%

PHYSICAL DATA
Surface Area Pond_____ac
Maximum Depth of Water_____ft.
Effective fill Ht. _____ft. (Low Point on centerline to Auxiliary Spillway)
Volume of storage below spillway, V_t =____ ac.ft.
Product – Eff. fill Ht. V_t = _____
Sediment Storage: Below Crest _____ac.ft.
Above crest _____ac.ft.
Elev.: Inlet_____, Aux. Sp.____,Settled Fill_____

Date
Designed ___ ___ ___ ___
Drawn M. QUINONES 8/1/14
Checked ___ ___ ___ ___
Approved ___ ___ ___ ___

DATA SHEET FOR DAMS

USDA United States Department of Agriculture
Natural Resources Conservation Service

File No. IL–ENG–11
Drawing No.
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