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No.	Title of Reference		Author 1/	Date	Location 2/
1	National Engineering Handbook Series		NRCS		State Office (Engineering)
	Part 600	Introduction			Field Office
	Part 601	Authorizations			Field Office
	Part 602	Engineering Responsibilities			Field Office
	Part 603	Safety			Field Office
	Part 604	Special Investigations, Studies, and Reports			Field Office
	Part 605	Non-SCS Engineering Services			Field Office
	Part 606	Dam Safety			Field Office
	Part 610	Planning			Field Office
	Part 611	Design			Field Office
	Part 612	Construction			Field Office
	Part 613	Operation and Maintenance			Field Office
	Part 620	Soil and Water Resource Development			Field Office
	Part 621	Pollution Abatement and Water Quality Improvement			Field Office
	Part 622	Snow Surveys and Water Supply Forecasting			Field Office
	Part 623	Irrigation			Field Office
	Part 624	Drainage			Field Office
		Chapter 10 – Water Table Control			http://www.nrcs.usda.gov/technical/references/
	Part 625	Soil Erosion Control and Reclamation			Field Office
	Part 626	Water Supply and Development			Field Office
	Part 627	Flood Prevention and Protection			Field Office
	Part 628	Dams			Field Office
	Part 630	Hydrologic Engineering			x Field Office
	Part 631	Engineering Geology			Field Office
	Part 632	Sedimentation Geology			Field Office
	Part 633	Soil Engineering			Field Office
		Chapter 26 – Gradation Design of Sand and Gravel Filters			http://www.nrcs.usda.gov/technical/references/
	Part 634	Hydraulic Engineering			Field Office
	Part 635	Landscape Architecture			Field Office
	Part 636	Structural Engineering			Field Office

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	Part 637	Environmental Engineering			Field Office
	Part 638	Hydrogeology			Field Office
	Part 639	Erosion Control Engineering			Field Office
	Part 640	Field Surveys			Field Office
	Part 641	Drafting			Field Office
	Part 642	Specifications			Field Office
	Part 643	Materials			Field Office
	Part 644	Equipment			Field Office
	Part 645	Engineering Technical materials			Field Office
	Part 646	Construction Inspection			Field Office
	Part 650	Engineering Field Handbook		1984	x Field Office
	Part 651	Agricultural Waste Management Field Handbook		1992	http://www.ftw.nrcs.usda.gov/awmfh.html
	Part 653	Stream Corridor Restoration, Principles, Processes, and Practices		1998	x Field Office
	Cross Reference				
	Section 3. Sedimentation; Chapters			1983	NEHS Parts 631 & 635 (Ch 4)
	Section 4. Hydrology			1985	NEHS Part 630
	Section 5. Hydraulics			1956	NEHS Parts 634 & 630 (Ch 8)
	Section 6. Structural Design			1962	NEHS Part 636
	Section 8. Engineering Geology			1978	NEHS Part 631
	Section 11. Drop Spillways			1986	NEHS Parts 636 & 634 (Ch 1-3, 5)
	Section 14. Chute Spillways			1977	NEHS Part 634
	Section 15. Irrigation			1957	www.wcc.nrcs.usda.gov/nrcsirrig/
	Section 16. Drainage of Agricultural			1971	NEHS Parts 623, 634 (Ch 5,7) &
	Section 18. Ground Water			1968	NEHS Part 631
	Section 19. Construction Inspection			1985	NEHS Part 645
	Section 20. Specifications for			2001	NEHS Part 642
	Section 21. Engineering Field Manual			1984	NEHS Part 650
	Section 22. Snow Survey and Water			1972	NEHS Part 622
2	Technical Releases		NRCS		State Office (Engineering)
	TR 1 Routing Through Tide Gates			1955	NEHS Part 630
	TR 2 Earth Spillways; includes Supplement A			1956 1957	NEHS Part 628
	TR 3 Hood Inlets for Culvert Spillways			1956	NEHS Part 634

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No.	Title of Reference	Author 1/	Date	Location 2/
	TR 4 Height of Water Column Supported by Atmospheric Pressure		1956	NEHS Part 634
	TR 5 Structural Design of Underground Conduits		1958	NEHS Part 636
	TR 16 Rainfall-Runoff Tables for Selected Runoff Curve Numbers		1960	NEHS Part 630
	TR 17 Geologic Investigations for Watershed Planning, Tentative		1961	NEHS Part 631
	TR 18 Joint Gap Computation for Reinforced Concrete Pipe Drop Inlet Barrels		1969	NEHS Part 636
	TR 19 Determination of Storage Requirements to Meet Supply-Demand Requirements+B194		1962	NEHS Part 630
	TR 20 Computer Program for Project Formulation - Hydrology		1964	NEHS Part 630
	TR 21 Irrigation Water Requirements		1964	NEHS Part 623
	TR 23 Engineering Service Contracts		1964	NEHS Parts 605 & 642 (Exhibits)
	TR 24 Investigating Structural Failures		1964	NEHS Part 604
	TR 25 Planning and Design of Open Channels		1964	NEHS Parts 620, 631 (Chapter 2), 630 (Chapter 3), 634 (Chapter 4), 637 (Chapter 5) & 635 (Chapter 7)
	TR 26 The Use of Soils Containing More than 5 percent Rock Larger than the No. 4 Sieve		1964	NEHS Part 633
	TR 27 Laboratory and Field Test Procedures for Control of Density and Moisture of Compacted Earth Embankment		1965	NEHS Part 633
	TR 28 Clay Minerals		1965	NEHS Part 631
	TR 29 Hydraulics of Two-Way Covered Risers		1965	NEHS Part 634
	TR 30 Structural Design of Standard Covered Risers		1965	NEHS Part 636
	TR 31 Structural Analysis and Design at Low Stage Inlets		1966	NEHS Part 636

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No.	Title of Reference	Author 1/	Date	Location 2/
	TR 32 Procedure for Determining Rate of Land Damage, Land Depreciation, and Volume of Sediment Produced by Gully Erosion		1966	NEHS Part 631
	TR 33 Simplified Method for Determining Floodwater Retarding Storage		1966	NEHS Part 630
	TR 34 Application of Statistics to Concrete Quality Control		1966	NEHS Part 645
	TR 35 UD Method of Reservoir Flooding Routing		1967	NEHS Part 630
	TR 36 Ground Water Recharge		1967	NEHS Part 631
	TR 37 Structural Analysis and Design at Base of Riser with Conduit Openings in Both Endwalls		1967	NEHS Part 636
	TR 39 Hydraulics of Broad-Crested Spillways		1968	NEHS Part 634
	TR 41 Graphical Solution of Geologic Problems		1969	NEHS Part 631
	TR 42 Single Cell Rectangular Conduits, Criteria and Procedure for Structural Design		1969	NEHS Part 636
	TR 43 Single Cell Rectangular Conduits, Catalog of Standard Designs		1970	NEHS Part 636
	TR 44 Seismic Resistivity Methods of Geophysical Exploration		1969	NEHS Part 631
	TR 45 Twin Cell Rectangular Conduits Criteria and Procedures for Structural Design		1970	NEHS Part 636
	TR 46 Gated Outlet Appurtenances for Earth Dams		1969	NEHS Parts 628 & 634 (Chapter B)
	TR 47 Classification Systems for Varied Flow in Prismatic Channels		1971	NEHS Part 634
	TR 48 Structure Site Analysis Computer Program - Dams 2		1971	NEHS Part 630
	TR 49 Criteria for the Hydraulic Design of Impact Basin Associated with Full Flow in Pipe Conduits		1971	NEHS Part 634

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	TR 50 Design of Rectangular Structural Channels		1972	NEHS Part 636
	TR 51 Procedure for Computing Sheet and Rill Erosion on Project Areas		1975	NEHS Part 631
	TR 52 A Guide for Design and Layout of Earth Emergency Spillways as Part of Emergency Spillway Systems for Earth Dams		1973	NEHS Part 628
	TR 53 Procedure for Preparing Annual Summary of SCS Sedimentation Activities		1973	NEHS Part 631
	TR 54 Structured Design of SAF Stilling Basins		1974	NEHS Part 636
	TR 55 Urban Hydrology for Small Watershed, TR 55		1975	NEHS Part 630
	TR 56 A Guide for Design and Layout of Vegetative Wave Protection for Earth Dam Embankments		1974	NEHS Part 628
	TR 57 Flood Proofing		1975	NEHS Part 626
	TR 58 A General Guideline for the Assessment of Water Quality		1976	NEHS Part 621
	TR 59 Hydraulic Design of Riprap Gradient Control Structures		1976	NEHS Part 634
	TR 60 Earth Dams and Reservoirs		1976	NEHS Part 28
	TR 61 WSP 2 Computer Program		1976	NEHS Part 630
	TR 62 Engineering Layout, Notes, Staking, & Calculations		1979	NEHS Part 640
	TR 63 Structural Design of Monolithic Straight Drop Spillways		1977	NEHS Part 636
	TR 64 Floodway Determination Computer Program			NEHS Part 634
	TR 65 Procedure to Establish Priorities in Landscape Architecture		1978	NEHS Part 635
	TR 66 Simplified Dam-Breach Routing Procedure		1978	NEHS Parts 630 & 634 (Appendix)
	TR 67 Reinforced Concrete Strength Design		1981	NEHS Part 636

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No.	Title of Reference	Author 1/	Date	Location 2/
	TR 68 Seismic Analysis of Risers		1980	NEHS Part 636
	TR 69 Riprap for Slope Protection Against Wave Action		1982	NEHS Part 636
	TR 70 Hydraulic Proportions of Two Way Covered Baffle Inlet Riser		1983	NEHS Part 634
	TR 71 Rock Material Field Classification Procedure		1984	NEHS Part 631
	TR 73 Computer Aided Design and Drafting (CADD) Standards		1989	NEHS Part 641
	TR 74 Lateral Earth Pressures		1990	NEHS Part 633
	TR 75 Reservoir Storage Volume Planning		1991	NEHS Part 630
	TR 77 Design and Installation of Flexible Conduits - Plastic Pipe		1993	NEHS Part 636
	TR 78 The Characterization of Rock for Hydraulic Erodibility		1991	NEHS Part 631
3	National Engineering Notes	NRCS		State Office (Engineering)
	Agricultural Engineering Notes			
	AEN 1 Treatment of Abandoned Mine Shafts and Adit			NEHS Part 632
	AEN 2 Aquacultural Pumping Plants		1982	NEHS Part 632
	AEN 3 Aeration of Ponds used in Aquaculture		1984	NEHS Part 632
	Construction Notes			
	CN 2 Field Density & Moisture Content Test		1983	NEHS Part 645
	Design Notes			
	DN 1 Scour Protection at Base of Risers to Drop Inlet Spillways		1967	NEHS Part 628
	DN 2 Required Three-Edge Bearing Strength for Rigid Pipe		1967	NEHS Part 636
	DN 3 Detail of Riprap above Berm on Earth Dam		1968	NEHS Part 628
	DN 4 Cradle Modification Where a Rock Foundation Hiatus Exists		1968	NEHS Part 636

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No.	Title of Reference	Author 1/	Date	Location 2/
	DN 5 Some Comments on Flexural & Anchorage Bond Stresses		1968	NEHS Part 636
	DN 6 Armored Scour Hole for Cantilever Outlet		1969	NEHS Part 628
	DN 7 Variation in Joint Extensibility Requirements as Sectional Conduit is Moved Up or Down from Embankment-Foundation Interface. (see TR No. 18)		1969	NEHS Part 636
	DN 8 Entrance Head Losses in Drop Inlet Spillways		1969	NEHS Part 634
	DN 9 Use of AWWA C 302 Pipe for Principal Spillway Conduit		1970	NEHS Part 636
	DN 10 Special Designs of Single Cell Rectangular Conduits		1970	NEHS Part 636
	DN 11 Welding Reinforcing Steel for Reinforced Concrete		1971	NEHS Part 636
	DN 12 Control of Underground Corrosion		1971	NEHS Part 636
	DN 14 Cavitation Potential at an Irregularity		1973	NEHS Part 634
	DN 15 Submerged Weir Flow		1973	NEHS Part 634
	DN 16 Probability of Occurrence for Certain Design Events			NEHS Part 630
	DN 17 Some Comments on the Location of Riser Conduit Articulation Joints		1977	NEHS Part 636
	DN 18 (Rev.) "Unattached" ES-Drawings		1986	NEHS Part 636
	DN 19 Input Data for Design Unit Programs		1980	NEHS Parts 636 (Structural) & 634 (Hydraulic)
	DN 20 Guide to Organization & Operation of Independent Review Boards		1980	NEHS Part 611
	DN21 Substitution of Higher Strength Steel in Reinforced Concrete		1983	NEHS Part 636
	DN24 Guide for Use of Geotextile		1991	NEHS Part 643
	Environmental Engineering Notes			

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	EE 2 Obtaining Water Quality Data from the Water Storage System		1987	
	Geology Notes			
	GN 1 Color Codes for Sediment Yield Maps			NEHS Part 631
	GN 2 Prediction of the Concentration of Fine Sediment in Channels for Single Storm Events		1980	NEHS Part 631
	GN 3 Geologic Investigation		1984	NEHS Part 631
	GN 4 Photographs of Rock Core Samples		1984	NEHS Part 631
	GN 5 Soil Sample Size Requirements for Soil Mechanics Laboratory Testing		1991	NEHS Part 631
	Hydrology Notes			
	HN 1 (Rev.) Estimates of Peak Rates of Runoff Using Measured Streamflow Data		1981	NEHS Part 630
	Landscape Architecture Notes			
	LA 1 Landscape Design in Mined Land Reclamation		1983	NEHS Part 635
	LA 3 Landscape & Wildlife Habitat Management in the Countryside		1987	NEHS Part 635
	Soil Mechanics Notes			
	SMN 1 Tentative Guides for Determining the Gradation of Filter Materials		1986	NEHS Part 633
	SMN 2 Lightweight Piston Sampler for Soft Soils and Loose Sands			NEHS Part 631
	SMN 3 Soil Mechanics Considerations for Embankment Drains		1971	NEHS Part 633
	SMN 4 Preparation and Shipment of Undistributed Core Soil Samples			NEHS Part 631
	SMN 5 Flow Net Construction and Use		1973	NEHS Part 633
	SMN 6 Glossary, Symbols, Abbreviations, and Conversion		1976	NEHS Part 633
	SMN 7 The Mechanics of Seepage		1979	NEHS Part 633

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	SMN 8 Soil Mechanics Testing Standards		1984	NEHS Parts 633 & 642 (Appendix)	
	SMN 9 Permeability of Selected Clean Sands and Gravels			NEHS Part 633	
	SMN 10 Supplement to the STABL 2 User's Manual		1984	NEHS Part 633	
	SMN 11 Static Core Penetrometer Test		1984	NEHS Part 631	
	SMN 12 Portable Pinhole Test Apparatus		1987	NEHS Part 633	
	SMN 13 Dispersive Clays		1991	NEHS Part 633	
4	National Engineering References			State Office (Engineering)	
	National Engineering Manual	NRCS	1997	x	Field Office
	Engineering for Conservation Practices Handbook	NRCS - Hawaii	1996	x	Field Office
	Hawaii Stockwater Handbook	NRCS - Hawaii	1993	x	Field Office
	Hawaii Technical Notes	NRCS - Hawaii		x	Field Office
	Erosion and Sediment Guide for Hawaii	NRCS - Hawaii	1981	x	Field Office
	NRCS National Water and Climate Center	NRCS	N/A	http://www.wcc.nrcs.usda.gov	
	National Handbook of Conservation Practices	NRCS	1977	http://www.ftw.nrcs.usda.gov/practice_stds.html	
	NRCS technical resources web site	NRCS	N/A	http://www.nrcs.usda.gov/technical	
	National Irrigation Guide	NRCS	1997		Field Office
	National Operation and Maintenance Manual	NRCS	1984		Field Office
	Ponds-Planning Design, Construction, Agriculture Handbook No 590	NRCS	1997	x	Field Office
	SCS-TP-61, Handbook of Channel Design for Soil and Water Conservation	NRCS	1954		Field Office
	Stability Design of Grass-Lined Open Channels, Agriculture Handbook No 667	ARS	1987	x	Field Office

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	Rainfall Atlas of Hawaii, Report R76	DLNR	1986	x	Field Office
	Climatologic Stations in Hawaii, Report R42	DLNR	1973	x	Field Office
	Technical Paper No. 43 - Rainfall Frequency Atlas of the Hawaiian Islands	USWB	1962	x	Field Office
	Technical Paper No. 51 - Two to Ten-Day Rainfall for Return Periods of 2 to 100 years in the Hawaiian	USWB	1965	x	Field Office