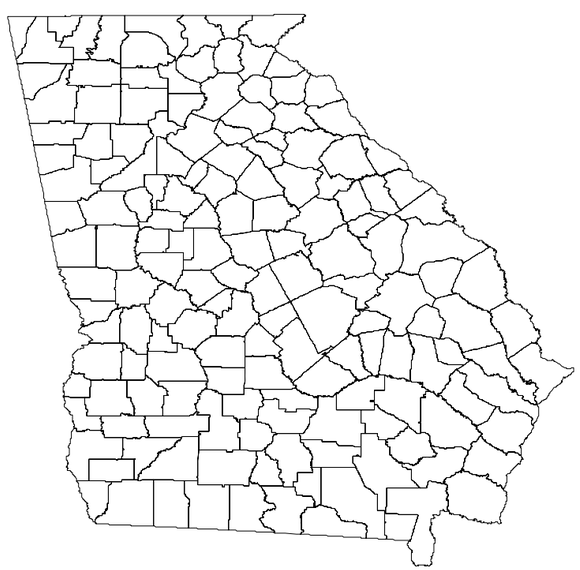
UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

GEORGIA STANDARD DRAWINGS - WATER WELL

NOTES:

1. THE WELL SHALL BE INSTALLED IN ACCORDANCE WITH THE ATTACHED NRCS WATER WELL STANDARD PRACTICE CODE 642 (LATEST REVISION).
2. GRADATIONS OF GRAVEL PACK AND SCREEN SLOT SIZE SHALL BE RECOMMENDED BY THE WELL DRILLER.
3. ALL WELLS SHALL CONFORM TO THE FOLLOWING:
   A. A MINIMUM 4" THICK CONCRETE SLAB WILL EXTEND A MINIMUM OF 2 FEET IN ALL DIRECTIONS.
   B. ACCEPTABLE GROUT SHALL BE APPLIED IN THE ANNULAR SPACE AROUND THE CASING. FOR IRRIGATION WELLS THE CASING SHALL BE GROUTED FROM A DEPTH OF 20 FEET TO THE SURFACE. FOR INDIVIDUAL OR ANIMAL WATERING WELLS THE CASING SHALL BE GROUTED FROM A DEPTH OF 10 FEET TO THE SURFACE.
4. ARTESIAN WELLS MUST BE SEALED.
5. WELL INSTALLATION AND ALL RELATED WORK SHALL CONFORM TO THE GEORGIA WATER WELL STANDARDS ACT REQUIREMENTS.
6. CASING MAY END IN CONSOLIDATED MATERIAL OR BEDROCK FOR NON-ARTESIAN AQUIFERS. SCREEN AND GRAVEL PACK IS NOT REQUIRED FOR BEDROCK WELLS.
7. CASING AND JOINTS MUST BE WATERTIGHT AND ABLE TO CARRY LOAD OF CASING LENGTH.
8. THE FINAL WELL DEPTH SHALL BE AS DETERMINED BY LICENSED WELL DRILLER. DISCHARGE RATE FOR THE PUMP TEST SHALL CORRESPOND TO THE PLANNED WELL PRODUCTION RATE.
9. AN ACCESS PORT WITH A MINIMUM DIAMETER OF 0.5-INCH SHALL BE INSTALLED TO ALLOW FOR UNOBSTRUCTED MEASUREMENT OF DEPTH OF THE WATER SURFACE, OR FOR A PRESSURE GAGE FOR MEASURING SHUT-IN PRESSURE OF A FLOWING WELL.



SITE LOCATION MAP

THE NATURAL RESOURCES CONSERVATION SERVICE
HELPING PEOPLE HELP THE LAND

_____ WATER WELL

_____ COUNTY, GEORGIA

PRE-CONSTRUCTION CERTIFICATION:

THE _____ WATER WELL WILL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING DRAWINGS AND PRACTICE CODES 642. ALL CHANGES MUST BE APPROVED BY AN ENGINEER WITH JOB APPROVAL AUTHORITY LEVEL IV OR GREATER. ALL ADDITIONS HAVE BEEN APPROVED BY NRCS.

OWNER	DATE	NRCS REPRESENTATIVE	DATE	ENGINEER (IF REQUIRED)	DATE

AS-BUILT CERTIFICATION:

THIS PRACTICE HAS BEEN CONSTRUCTED IN ACCORDANCE TO THESE PLANS AND MEETS NRCS STANDARDS AND SPECIFICATIONS. GEORGIA ENVIRONMENTAL PROTECTION DIVISION WELL COMPLETION DATA FORM IS SIGNED AND ATTACHED.

NRCS REPRESENTATIVE	DATE	ENGINEER (IF REQUIRED)	DATE

WATER WELL:

JOB CLASS: _____

INDEX TO DRAWINGS:

SHEET 1 – COVER SHEET

SHEET 2 – ENGINEERING DETAIL/CHECKLIST

GEORGIA811 Utilities Protection Center, Inc.

		Date
Designed	B. Quinn	01/16
Drawn	B. Quinn	01/16
Checked	M. Hall	01/16
Approved	D. Guthrie	01/16

GEORGIA WATER WELL- 642
Engineering Standard Drawing

_____ County, Georgia

_____ Field Office

United States Department of Agriculture
Natural Resources Conservation Service

Drawing Name
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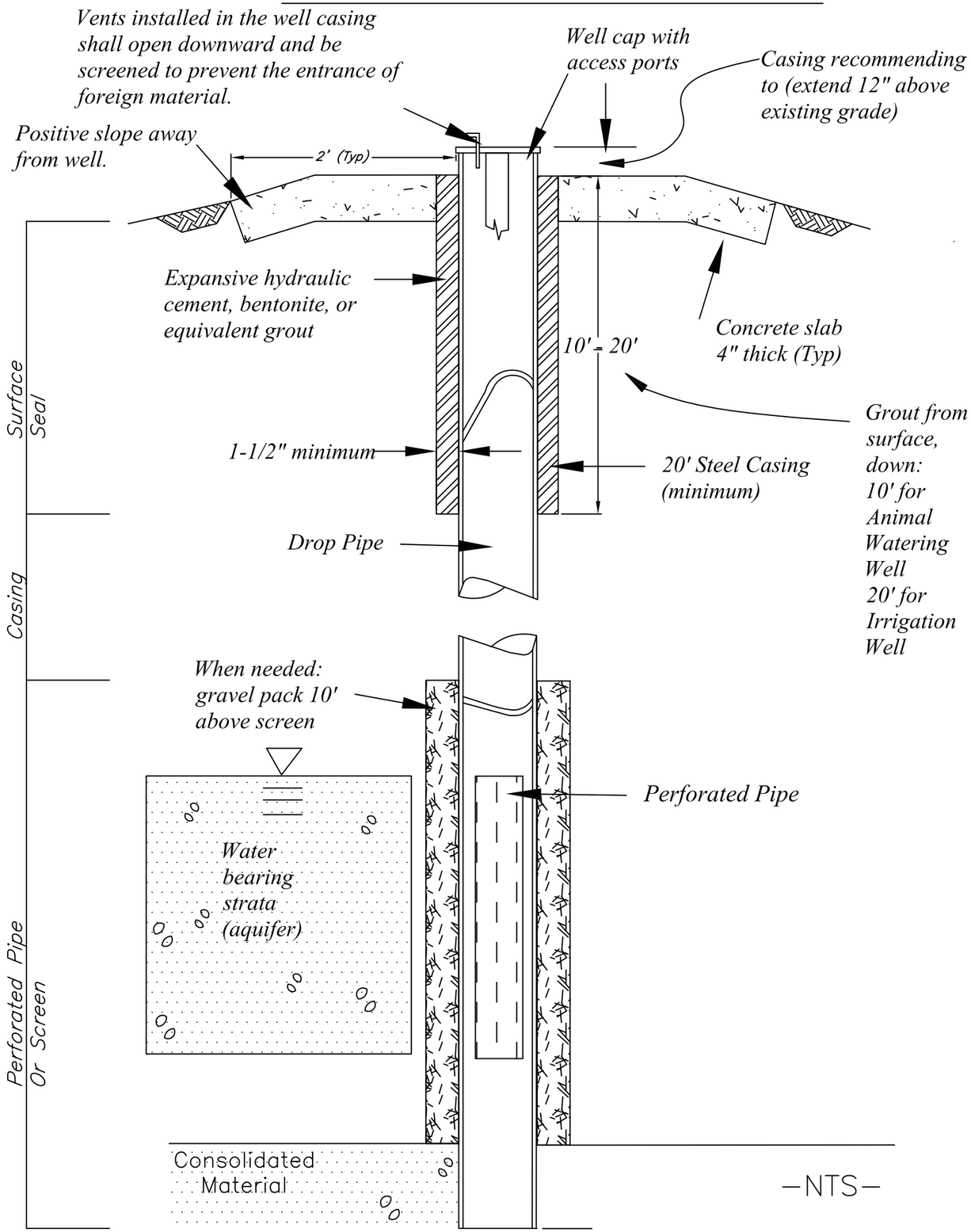
LIVESTOCK AND IRRIGATION



CHECKLIST:

- ☐ OVERHEAD AND UNDERGROUND UTILITIES CLEARED BEFORE CONSTRUCTION
- ☐ STATE AND LOCAL PERMITS ACQUIRED BEFORE CONSTRUCTION (IRRIGATION WELLS HAVING CASING OF INTERNAL DIAMETER OF MORE THAN FOUR INCHES OR CAPABLE OF PRODUCING 100,000 GALLONS OF WATER PER DAY OR MORE SHALL BE CONSTRUCTED ONLY AFTER THE DIVISION HAS ISSUED A LETTER OF CONCURRENCE OR A PERMIT TO THE LANDOWNER AND MUST BE METERED.)
- ☐ COMPLETED GA DNR WELL COMPLETION DATA FORM

MINIMUM SETBACK DISTANCES:

- TEN (10) FEET OR MORE FROM A SEWER LINE
- FIFTY (50) FEET OR MORE FROM A SEPTIC TANK
- ONE HUNDRED (100) FEET OR MORE FROM A SEPTIC TANK ABSORPTION FIELD
- ONE HUNDRED FIFTY (150) FEET OR MORE FROM A CESSPOOL OR SEEPAGE PIT
- ONE HUNDRED (100) FEET OR MORE FROM AN ANIMAL OR FOWL ENCLOSURE
- ONE HUNDRED (100) FEET OR MORE FROM AN ANIMAL MORTALITY FACILITY
- STORAGE AND APPLICATION OF PEST MANAGEMENT PRODUCTS ARE AT LEAST THE MINIMUM DISTANCE SPECIFIED BY THE PRODUCT LABEL.
- ONE HUNDRED FIFTY (150) FEET OR MORE UP GRADIENT AND 300 FEET OR MORE DOWN GRADIENT OF WASTE FIELD STORAGE AREA

OTHER:

- CURBING IS AT LEAST FOUR INCHES THICK AND EXTENDING AT LEAST TWO FEET IN ALL DIRECTIONS FROM THE WELL CASING AND SLOPING AWAY FROM THE CASING.
- CASING SHOULD EXTEND AT LEAST 1 FOOT ABOVE CURBING
- LIVESTOCK EXCLUDED FROM ACCESS TO THE WELL
- LOCATION OF WELL SHOW ON SCALED MAP
- PUMP INSTALLATION AND WIRING CONFORMS TO THE GEORGIA PUMPING PLANT STANDARD, CODE 533.

Resource Inventory

List existing water supply sources by type (well, municipal, creek, pond, etc...), distance to resource need, and estimated yield.

Resource Type	Distance to Existing Source to Area of Interest	Estimated Yield (gpm)	Documented Resource Need*	Explanation of Resource Need

* Will these water sources meet the resource need? (Y / N) if "No", please explain

		Date
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GEORGIA WATER WELL– 642
Engineering Standard Drawing

_____ County, Georgia
Field Office

USDA United States Department of Agriculture
Natural Resources Conservation Service

Drawing Name
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