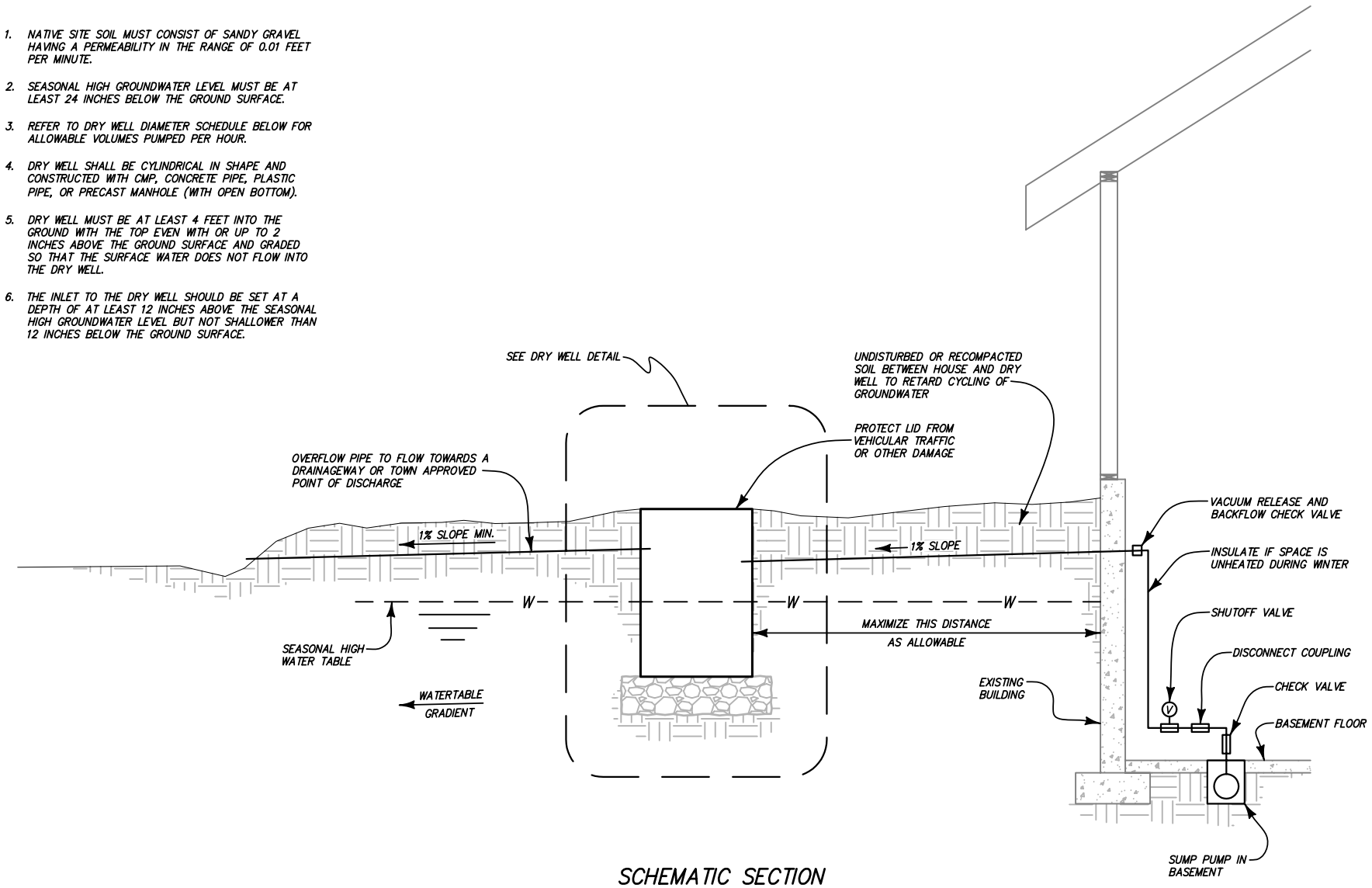
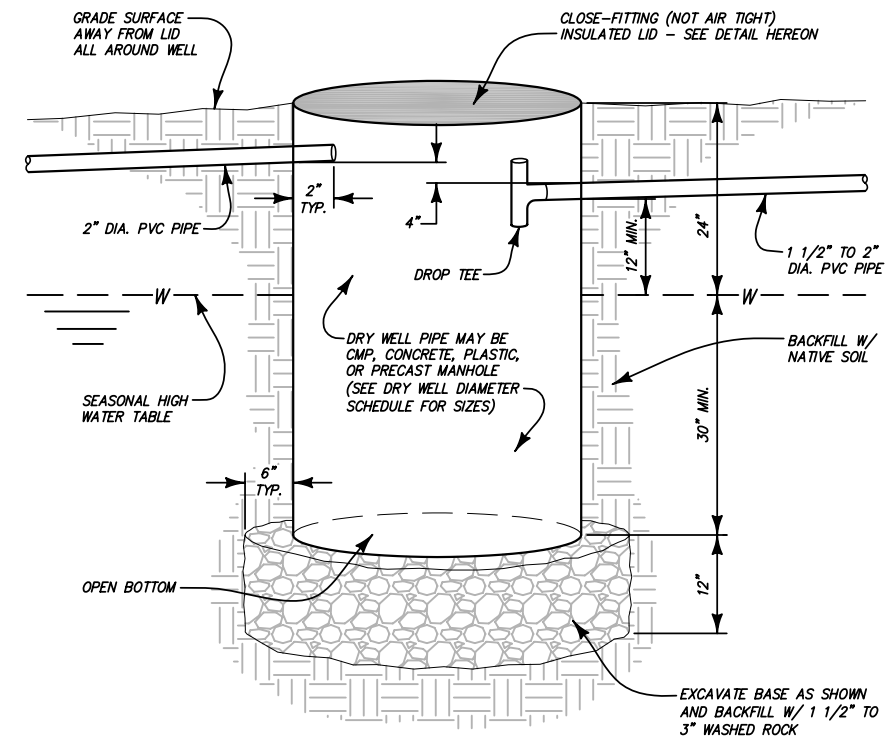
DESIGN CRITERIA

1. NATIVE SITE SOIL MUST CONSIST OF SANDY GRAVEL HAVING A PERMEABILITY IN THE RANGE OF 0.01 FEET PER MINUTE.
2. SEASONAL HIGH GROUNDWATER LEVEL MUST BE AT LEAST 24 INCHES BELOW THE GROUND SURFACE.
3. REFER TO DRY WELL DIAMETER SCHEDULE BELOW FOR ALLOWABLE VOLUMES PUMPED PER HOUR.
4. DRY WELL SHALL BE CYLINDRICAL IN SHAPE AND CONSTRUCTED WITH CMP, CONCRETE PIPE, PLASTIC PIPE, OR PRECAST MANHOLE (WITH OPEN BOTTOM).
5. DRY WELL MUST BE AT LEAST 4 FEET INTO THE GROUND WITH THE TOP EVEN WITH OR UP TO 2 INCHES ABOVE THE GROUND SURFACE AND GRADED SO THAT THE SURFACE WATER DOES NOT FLOW INTO THE DRY WELL.
6. THE INLET TO THE DRY WELL SHOULD BE SET AT A DEPTH OF AT LEAST 12 INCHES ABOVE THE SEASONAL HIGH GROUNDWATER LEVEL BUT NOT SHALLOWER THAN 12 INCHES BELOW THE GROUND SURFACE.



SCHEMATIC SECTION
NOT TO SCALE

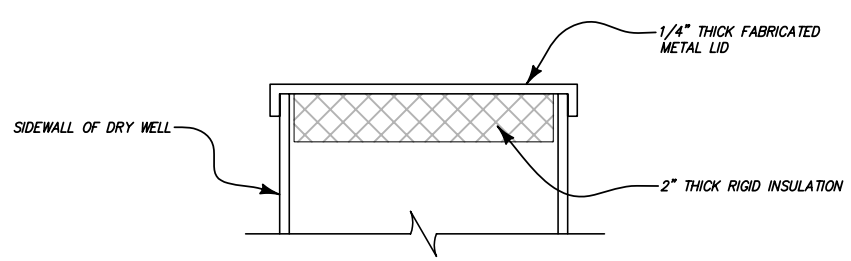


DRY WELL DETAIL
NOT TO SCALE

DRY WELL DIAMETER SCHEDULE	
TOTAL SUMP VOLUME OR MAX. VOLUME PUMPED DURING 1 HOUR PERIOD (GALLONS)	DRY WELL PIPE DIAMETER
15	24"
20	30"
30	36"
40	48"

NOTES:

1. IF MULTIPLE SUMPS PUMP TO A COMMON DRY WELL, THE WELL SHOULD BE SIZED FOR THE COMBINED CAPACITY OF THE SUMP PITS.
2. IF THE VOLUME OF WATER PUMPED IS LARGER THAN 40 GALLONS WITHIN A ONE HOUR PERIOD, OR IF ANY OF THE DESIGN CRITERIA ARE NOT VALID, A SPECIAL DESIGN IS REQUIRED.



INSULATED LID
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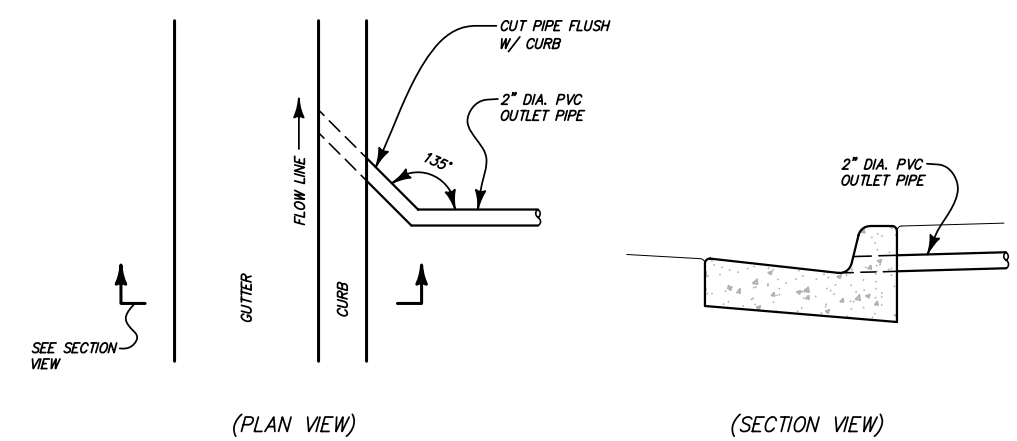

CURB & GUTTER OUTLET
NOT TO SCALE

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REVISIONS	DATE

TOWN OF CRESTED BUTTE

DRY WELL DETAILS

DESIGNED	T.G.
DRAWN	C.B.
DATE	7/21/09
PROJ. NO.	09-149-CIV

DRAWING NUMBER
C-1
OF 1 DWGS.