







APPLICATION NOTES:

- A. THE PRIMARY PURPOSE OF A CHECK DAM IS TO REDUCE EROSION IN A CHANNEL BY REDUCING FLOW VELOCITY IN THE CHANNEL.
- B. CHECK DAMS WILL CAPTURE SEDIMENT THAT FALLS OUT OF SUSPENSION BEHIND THE UPSTREAM SIDE OF THE CHECK DAM DUE TO DECREASED VELOCITY.
- D. SLOPES EXCEEDING 10% SHALL INCLUDE A CHANNEL PROTECTIVE LINING.
- E. PERMANENT STONE CHECK DAMS LOCATED WITHIN THE ESTABLISHED ROADWAY CLEAR ZONE SHALL BE IN CONFORMANCE WITH CTDOT ROADSIDE DESIGN GUIDANCE.

- MAXIMUM DRAINAGE AREA CONTRIBUTING TO TEMPORARY STONE CHECK DAM SHALL BE 2 ACRES. MAXIMUM DRAINAGE AREA CONTRIBUTING TO PERMANENT STONE CHECK DAM SHALL BE 1 ACRE.
- MEASURES SHALL BE INSPECTED EVERY (7) CALENDAR DAYS OR AFTER EACH RAINFALL OF 1/2" OR MORE WITHIN A 24 HOUR PERIOD. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.
- 3. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.
- 4. COARSE AGGREGATE FACING MATERIAL FOR THE STONE CHECK DAM SHALL MEET THE GRADATION REQUIREMENTS OF SIZE DESIGNATION *1 OR *2 OF TABLE 703-4. STONE FILLING CORE MATERIAL FOR THE STONE CHECK DAM SHALL MEET THE GRADATION REQUIREMENTS OF LIGHT STONE FILLING.

STONE CHECK DAM PLACEMENT INTERVAL *			
	TEMPORARY CHECK DAM	PERMANENT CHECK DAM	
DITCH SLOPE	PLACEMENT INTERVAL (BASED ON 2' HEIGHT)	PLACEMENT INTERVAL (BASED ON 1' HEIGHT)	
1 %	200′	100′	
2 %	100′	50′	
3 %	67′	33′	
4 %	50′	25′	• I = H / S
5 %	40′	20'	- 1-11/3
6 %	33′	17'	WHERE:
8 %	25′	-	I = CHECK DAM SPACING INT
10 %	20′	-	H = CHECK DAM HEIGHT S = CHANNEL SLOPE
			5 5

May Engineering LLC Civil Engineering and Site Planning 1297 RT 163 Oakdale, CT 06370 860 884-9671 PROPOSED BUILDING

Project Nottingham Hills Subdivision Phase V

121 Upper Pattagansett Rd. East Lyme, CT. 06333

DATE: 10 OCT 2021 JOB NUMBER SHEET

SCALE: 1" = 100' & as noted

Building Lot Development and Grading Rain Garden Location and Drainage

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