

GENERAL NOTES

1. For downdrain details, see Std Dwg C-04.20.

NOTE TO DESIGNERS

Use earthwork cross sections for more precise downdrain lengths

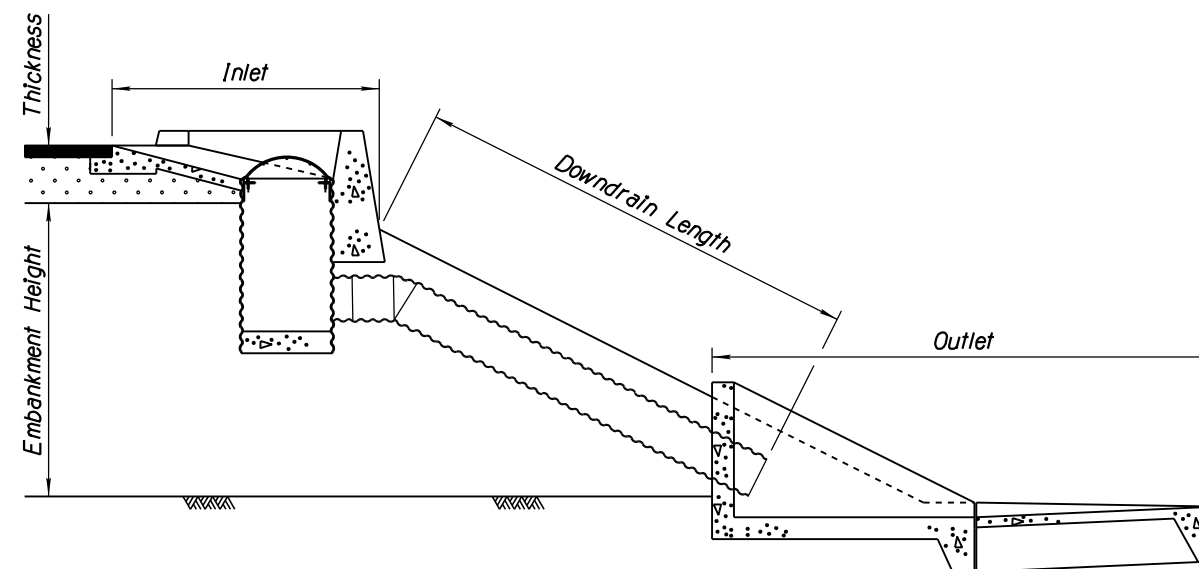
APPROXIMATE DOWNDRAIN LENGTH (Ft) -- C-02.10 & C-02.20 SLOPES

PAVEMENT STRUCTURAL SECTION THICKNESS (In)	EMBANKMENT SLOPE															
	6:1				VARIES FROM 6:1 TO 2:1								2:1			
	EMBANKMENT HEIGHT (FT)															
	5	6	7	8	10	12	14	16	18	20	22	24	26	28	30	32
12	21	27	33	39	41	44	45	47	47	49	50	52	56	61	65	70
14	21	27	33	39	41	44	45	47	47	49	50	52	56	61	65	70
16	21	27	33	39	41	44	45	47	47	49	50	52	56	61	65	70
18	21	27	33	39	41	44	45	47	47	49	50	52	56	61	65	70
20	22	28	34	40	42	45	46	48	48	50	51	53	57	62	66	71
22	23	29	35	41	43	46	47	49	49	51	52	54	58	63	67	72
24	24	30	36	42	44	47	48	50	50	52	53	55	60	64	69	73
26	25	31	37	43	45	48	49	51	51	54	54	56	61	65	70	74
28	26	32	38	44	46	49	50	52	52	55	55	57	62	66	71	75
30	27	33	39	45	47	50	51	53	53	56	56	58	63	67	72	76
32	28	34	40	46	48	51	52	54	54	57	57	59	64	68	73	77
34	29	35	41	47	49	52	53	55	55	58	58	60	65	69	74	78
36	30	36	42	48	50	53	54	56	56	59	59	61	66	70	75	79

APPROXIMATE DOWNDRAIN LENGTH (Ft) -- C-02.30 SLOPES

PAVEMENT STRUCTURAL SECTION THICKNESS (In)	EMBANKMENT SLOPE									
	4:1		VARIES FROM 4:1 TO 2:1						2:1	
	EMBANKMENT HEIGHT (FT)									
	3	4	5	6	7	8	9	10	12	14
12	6	10	14	15	16	17	18	19	24	28
14	6	10	14	15	16	17	18	19	24	28
16	6	10	14	15	16	17	18	19	24	28
18	6	10	14	15	16	17	18	19	24	28
20	6	10	14	16	17	18	19	20	24	29
22	7	11	15	16	18	19	20	21	25	30
24	8	12	16	17	18	20	20	21	26	30
26	8	12	16	18	19	20	21	22	27	31
28	9	13	17	19	20	21	22	23	27	32
30	10	14	18	19	21	22	23	24	28	33
32	10	14	19	20	21	22	23	25	29	33
34	11	15	19	21	22	23	24	25	30	34
36	12	16	20	21	23	24	25	26	31	35

C-02.10 AND C-02.20 SLOPES



C-02.30 SLOPES



Downdrains are not usually used for these slope conditions

Note to Designer: The information presented in this Standard Drawing has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Contents within the inner border line shall not be altered.

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PRIOR DISTRIBUTION DATE

STANDARDS ENGINEER J. C. COOPER	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY GROUP STANDARD DRAWING
RECOMMENDED FOR APPROVAL GROUP MANAGER D. R. HENRY	
APPROVED	DRAWING NO. C-04.40
STANDARDS COMMITTEE APPROVED FOR DISTRIBUTION	DATE 12/17

DOWNDRAIN LENGTH TABLE