PLAN 1	Class	Max w/cm	Min f'c	Applicable Details	Comments
EXPANSIVE SOIL					
Very Low	VL			SD-1 General Notes, Detail 1/FD1-1, S1-1	
Low	L			SD-1 General Notes, Detail 1/PT1-1, S1-1	Post-Tensioned Slab
Medium	М			SD-1 General Notes, Detail 2/PT1-1, S1-1	Post-Tensioned Slab
High	Н			NA	No soil found within this range
IIGH SULFATE					
NA	SO	NA	2500	SD-1 General Notes	No cement type restrictions
Moderate	S1	0.5	4000	SD-1 General Notes	Type II Cement
Severe	S2	0.45	4500	SD-1 General Notes	Type V Cement
Very Severe	S3	0.45	4500	SD-1 General Notes	Type V Cement w/Slag cement
ORROSIVE TO METALS					
NA	C0	NA	2500	SD-1 General Notes	Max CL ⁻ 1.0 % by weight of cement
Moderate	C1	NA	2500	SD-1 General Notes	Max CL [®] 0.3 % by weight of cement
Severe	C2	0.4	5000	SD-1 General Notes	Max CL [®] 0.15 % by weight of cement
PLAN 2	Class	Max w/cm	Min f'c	Applicable Details	Comments
EXPANSIVE SOIL					
Very Low	VL			SD-1 General Notes, Detail 1/FD1-1, S2-1	Conventional Foundation
Low				SD-1 General Notes, Detail 1/PT1-1, S2-1	Post-Tensioned Slab
	-				
Medium	M			SD-1 General Notes, Detail 2/PT1-1, S2-1	Post-Tensioned Slab
Medium High	L M H			SD-1 General Notes, Detail 2/PT1-1, S2-1 NA	
High					Post-Tensioned Slab
	Н	 NA	2500		Post-Tensioned Slab
High IIGH SULFATE	Н	NA 0.5	2500 4000	NA	Post-Tensioned Slab No soil found within this range
High IIGH SULFATE NA	H SO			NA SD-1 General Notes	Post-Tensioned Slab No soil found within this range No cement type restrictions
High IIGH SULFATE NA Moderate	H 50 51	0.5	4000	NA SD-1 General Notes SD-1 General Notes	Post-Tensioned Slab No soil found within this range No cement type restrictions Type II Cement
High IIGH SULFATE NA Moderate Severe Very Severe	H 50 51 52	0.5 0.45	4000 4500	NA SD-1 General Notes SD-1 General Notes SD-1 General Notes	Post-Tensioned Slab No soil found within this range No cement type restrictions Type II Cement Type V Cement
High IIGH SULFATE NA Moderate Severe Very Severe	H 50 51 52	0.5 0.45	4000 4500	NA SD-1 General Notes SD-1 General Notes SD-1 General Notes	Post-Tensioned Slab No soil found within this range No cement type restrictions Type II Cement Type V Cement Type V Cement w/Slag cement Max CL ⁻ 1.0 % by weight of cement
High IIGH SULFATE NA Moderate Severe Very Severe CORROSIVE TO METALS	H S0 S1 S2 S3	0.5 0.45 0.45	4000 4500 4500	NA SD-1 General Notes SD-1 General Notes SD-1 General Notes SD-1 General Notes	Post-Tensioned Slab No soil found within this range No cement type restrictions Type II Cement Type V Cement Type V Cement w/Slag cement

PLAN 1	Class	Max w/cm	Min f'c	Applicable Details	Comments
EXPANSIVE SOIL					
Very Low	VL				
Low	L				
Medium	М				
High	Н				
HIGH SULFATE					
NA	SO	NA	2500		
Moderate	S1	0.5	4000		
Severe	S2	0.45	4500		
Very Severe	S3	0.45	4500		
CORROSIVE TO METALS					
NA		NA	2500		
Moderate		NA	2500		
Severe	C2	0.4	5000		
PLAN 2	Class	Max w/cm	Min f'c	Applicable Details	Comments
EXPANSIVE SOIL					
Very Low	VL				
Low					
Medium	M				
High	Н				
HIGH SULFATE					
HIGH SULFATE NA	SO	NA	2500		
HIGH SULFATE NA Moderate	S0 S1	0.5	4000		
HIGH SULFATE NA Moderate Severe	S0 S1 S2	0.5 0.45	4000 4500		
HIGH SULFATE NA Moderate Severe Very Severe	S0 S1 S2	0.5	4000		
HIGH SULFATE NA Moderate Severe Very Severe CORROSIVE TO METALS	S0 S1 S2 S3	0.5 0.45 0.45	4000 4500 4500		
HIGH SULFATE NA Moderate Severe Very Severe CORROSIVE TO METALS NA	S0 S1 S2 S3 C0	0.5 0.45 0.45 NA	4000 4500 4500 2500		
HIGH SULFATE NA Moderate Severe Very Severe CORROSIVE TO METALS	S0 S1 S2 S3 C0 C1	0.5 0.45 0.45	4000 4500 4500		

PLAN 3	Class	Max w/cm	Min f'c	Applicable Details	Comments
EXPANSIVE SOIL					
Very Low	VL				
Low	L				
Medium	М				
High	Н				
HIGH SULFATE					
NA	SO	NA	2500		
Moderate	S1	0.5	4000		
Severe		0.45	4500		
Very Severe	S3	0.45	4500		
CORROSIVE TO METALS					
NA		NA	2500		
Moderate		NA	2500		
Severe	C2	0.4	5000		
PLAN 4	Class	Max w/cm	Min f'c	Applicable Details	Comments
EXPANSIVE SOIL					
Very Low	VL				
Low	L				
Medium	M				
High	Н				
HIGH SULFATE					
NA	SO	NA	2500		
Moderate	S1	0.5	4000		
Severe	S2	0.45	4500		
Severe Very Severe	S2				
Severe Very Severe CORROSIVE TO METALS	S2 S3	0.45 0.45	4500 4500		
Severe Very Severe CORROSIVE TO METALS NA	S2 S3 C0	0.45 0.45 NA	4500 4500 2500		
Severe Very Severe CORROSIVE TO METALS	S2 S3 C0 C1	0.45 0.45	4500 4500		

PLAN 5	Class	Max w/cm	Min f'c	Applicable Details	Comments
EXPANSIVE SOIL					
Very Low	VL				
Low	L				
Medium	М				
High	Н				
HIGH SULFATE					
NA	SO	NA	2500		
Moderate	S1	0.5	4000		
Severe		0.45	4500		
Very Severe	S3	0.45	4500		
CORROSIVE TO METALS					
NA		NA	2500		
Moderate	C1	NA	2500		
Severe	C2	0.4	5000		
PLAN 6	Class	Max w/cm	Min f'c	Applicable Details	Comments
EXPANSIVE SOIL					
Very Low	VL				
Low	L				
Medium	М				
High	Н				
HIGH SULFATE					
NA		NA	2500		
Moderate	S1	0.5	4000		
Severe	S2	0.45	4500		
Severe Very Severe		0.45 0.45	4500 4500		
Severe Very Severe CORROSIVE TO METALS	S3	0.45	4500		
Severe Very Severe CORROSIVE TO METALS NA	S3 C0	0.45 NA	4500 2500		
Severe Very Severe CORROSIVE TO METALS	S3	0.45	4500		