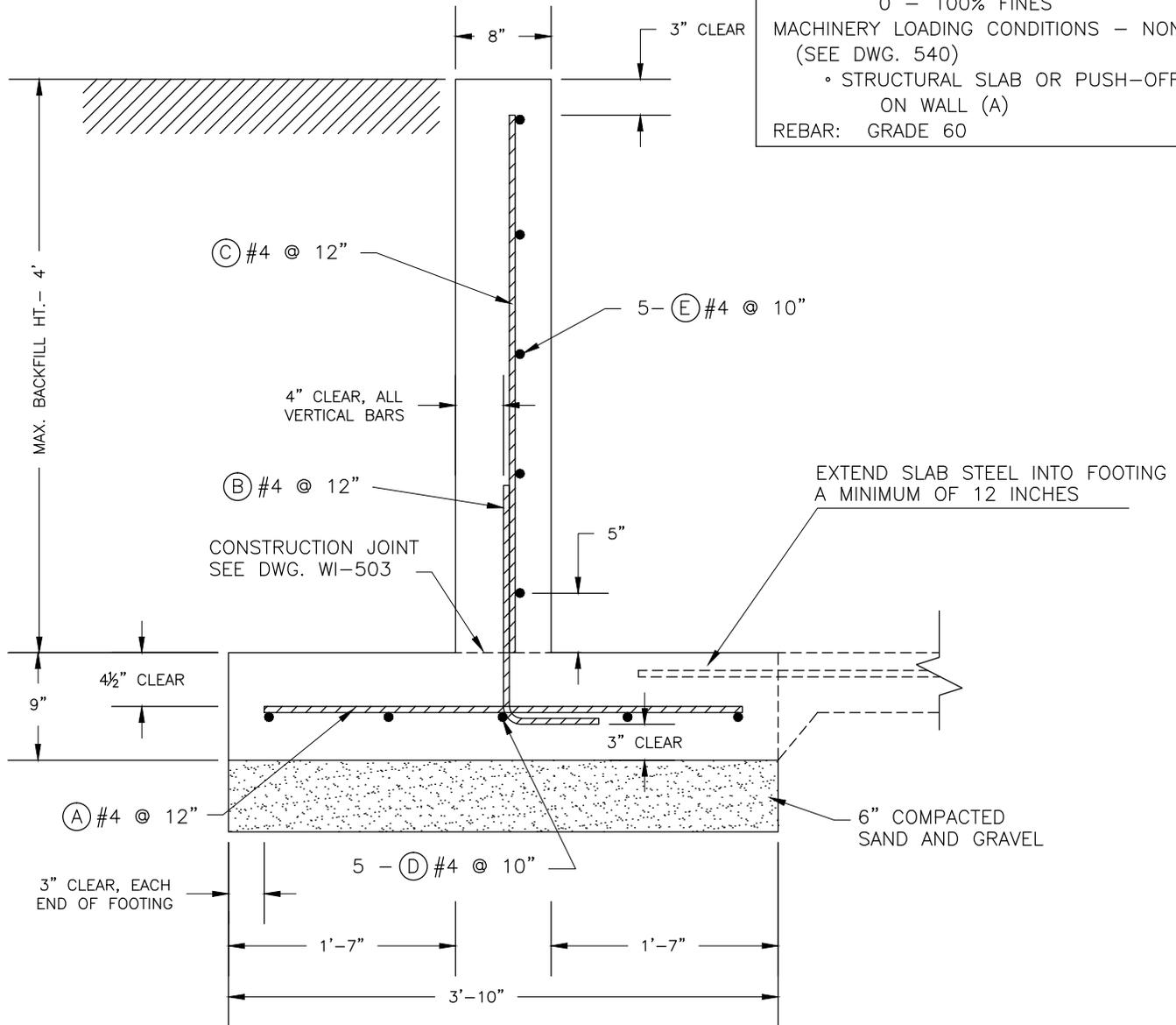


BACKFILL DETAILS  
SEE SHEET \_\_\_\_\_

CONDITIONS OF USE

BACKFILL: 0 TO 4 FEET  
0 - 100% FINES  
MACHINERY LOADING CONDITIONS - NONE  
(SEE DWG. 540)  
• STRUCTURAL SLAB OR PUSH-OFF  
ON WALL (A)  
REBAR: GRADE 60



WALL SECTION

MATERIALS

CONCRETE & REBAR: WI CONST SPEC 4  
SAND/GRAVEL: WI CONST SPEC 4  
BACKFILL: WI CONST SPEC 204  
BACKFILL SOURCE:  
\_\_\_\_ EXCAVATION OF WALL AREA  
\_\_\_\_ BORROW SITE  
\_\_\_\_ IMPORTED MATERIALS

LINEAL FEET OF WALL \_\_\_\_\_



4-FOOT TEE WALL

CLIENT: \_\_\_\_\_  
COUNTY: \_\_\_\_\_

Date \_\_\_\_\_  
Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked \_\_\_\_\_  
Approved \_\_\_\_\_

File Name	WI-541
Date	07/14
Sheet of	_____ of _____

DESIGN VALUES

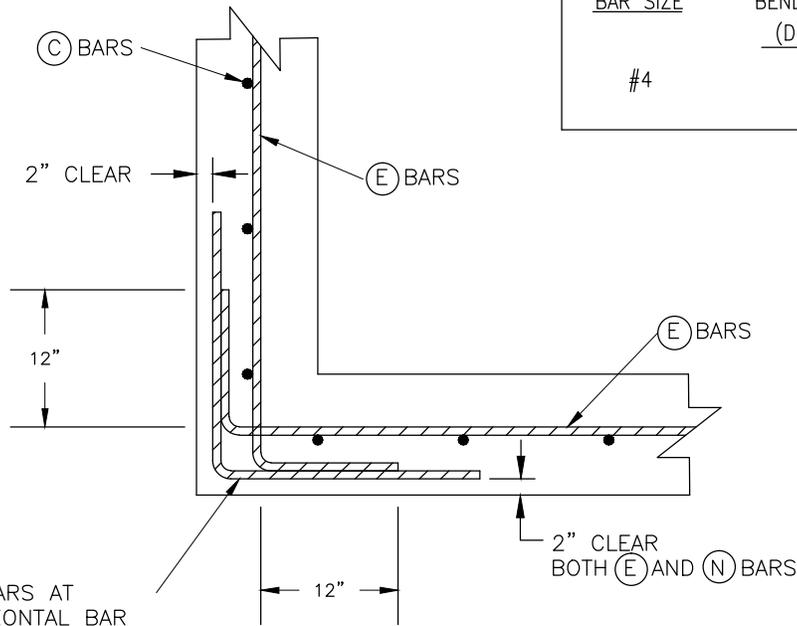
EARTH BACKFILL: 85 PSF/FT, EQUIVALENT FLUID PRESSURE  
 110 PCF (SOIL WEIGHT) AND >50% FINES  
 MANURE: 65 PSF/FT, EQUIVALENT FLUID PRESSURE  
 MACHINERY LOADING: 0 PSF EQUIV. FLUID PRESSURE  
 ULTIMATE STRENGTH DESIGN (ACI 318-99)  
 CONCRETE STRENGTH: 3,500 PSI REBAR: GRADE 60  
 COEFF. FRICTION (SOIL/CONCRETE) = 0.5  
 MINIMUM SLIDING FACTOR OF SAFETY = 1.5  
 WALL SLIDING RESTRAINT REQUIRED  
 MINIMUM OVERTURNING FACTOR OF SAFETY = 2.0  
 MIN. ALLOWABLE SUBGRADE BEARING CAPACITY = 2000 PSF  
 VERTICAL WALL LOAD FOR SLABS BEARING ON WALL OR  
 PUSHOFFS = 1000 LBS./FT.  
 NOT DESIGNED TO SUPPORT BUILDINGS OR ROOFS

STEEL SCHEDULE (GRADE 60)

MARK	SIZE	TYPE	R	S	LENGTH
A	#4	STR	---	---	3'-4"
B	#4	2	1'-8"	8"	2'-4"
C	#4	STR	---	---	3'-9"
D	#4	STR	---	---	
E	#4	STR	---	---	
N	#4	2	2'-0"	2'-0"	4'-0"

STEEL DETAILS

BAR SIZE	BEND DIAMETER (D) INCHES	SPLICE LENGTH INCHES (MIN.) *
#4	3	16



CORNER BAR SCHEMATIC  
 PLAN VIEW - TOP 2 FEET  
 OF WALL SHOWN

CORNER NOTES

1. PLACE FIRST VERTICAL BAR AT WALL CORNER OR NO FURTHER THAN ONE-HALF BAR SPACING FROM THE INSIDE CORNER.
2. HOOK CAN BE SEPARATE FROM (E) BARS, PROVIDED THAT MINIMUM LAP SPLICE OF 16" FOR #4 BARS IS MET.
3. SEE WALL SECTION FOR EXACT LOCATIONS OF (C) AND (E) BARS.