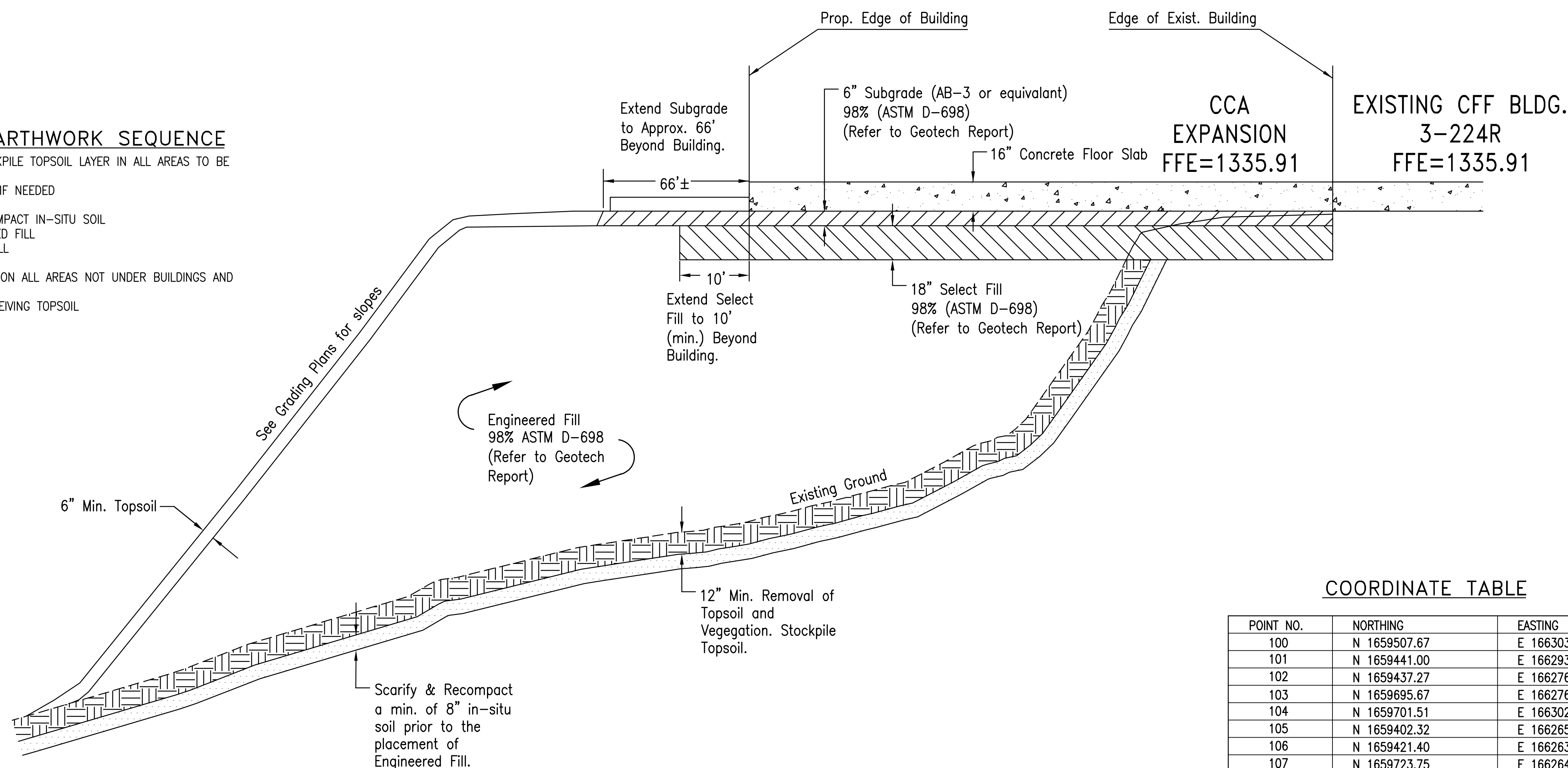


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 K:\PROJECTS\2011\101060200\_Spirit\_Wichita\_Southwest\_CCA\_Expansion - CFF\5-Civil\CAD\Sheets\Final Release\109.DWG

**GENERAL EARTHWORK SEQUENCE**

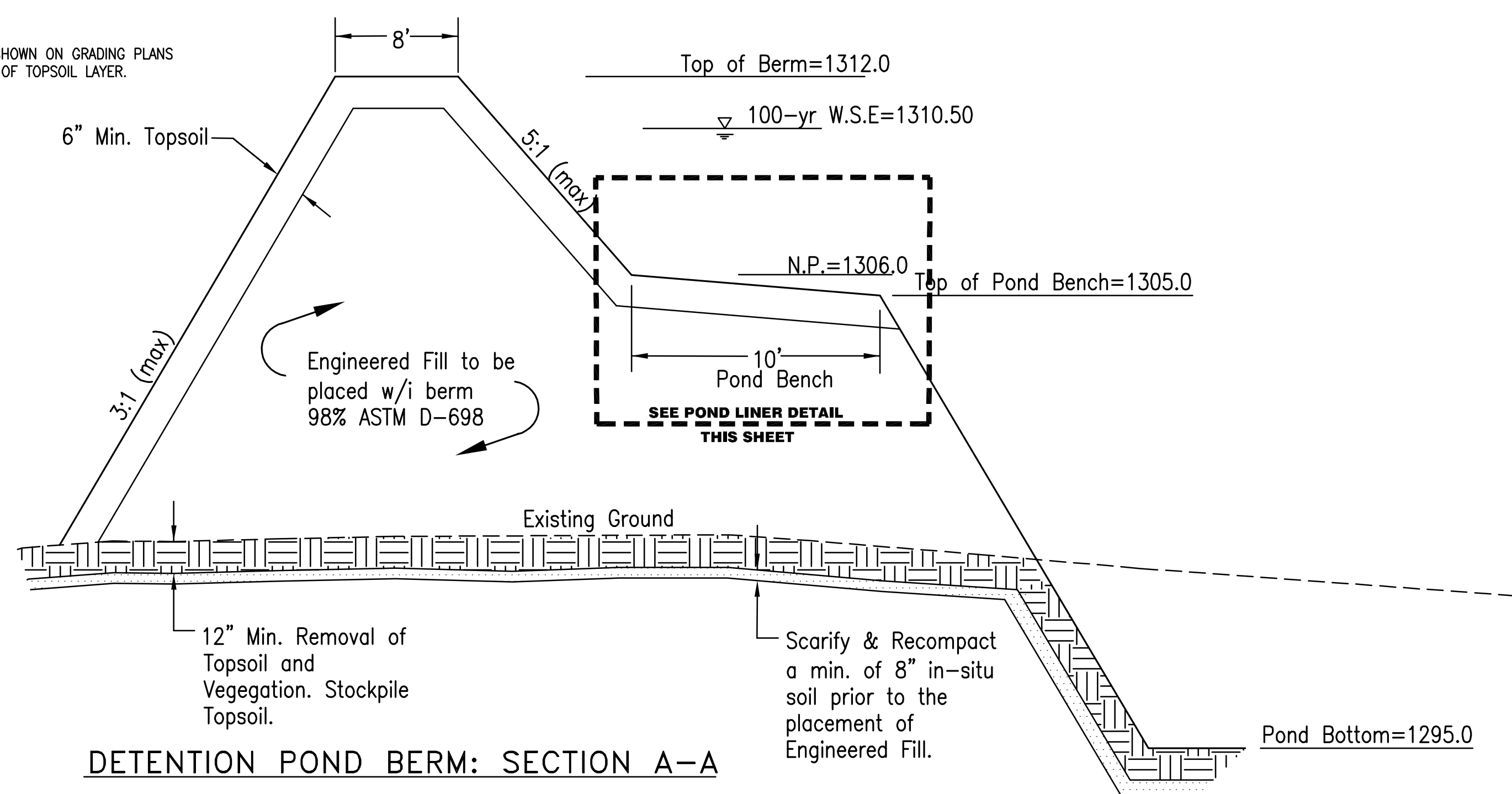
1. STRIP AND STOCKPILE TOPSOIL LAYER IN ALL AREAS TO BE FILLED
2. OVER EXCAVATE, IF NEEDED
3. PROOFROLL
4. SCARIFY AND COMPACT IN-SITU SOIL
5. PLACE ENGINEERED FILL
6. PLACE SELECT FILL
7. PLACE SUBGRADE
8. PLACE TOP SOIL ON ALL AREAS NOT UNDER BUILDINGS AND PAVEMENT
9. SEED AREAS RECEIVING TOPSOIL



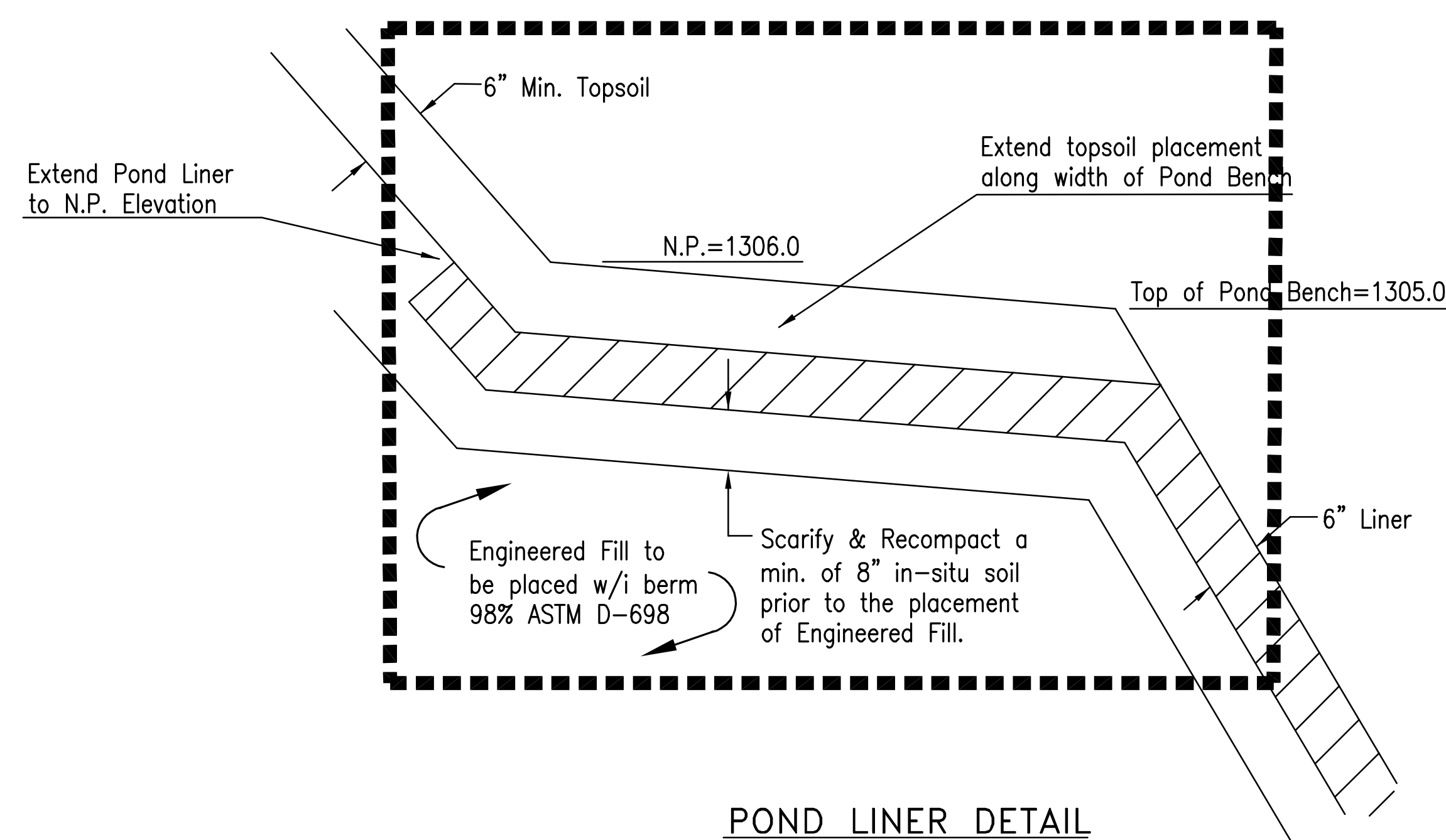
**COORDINATE TABLE**

POINT NO.	NORTHING	EASTING
100	N 1659507.67	E 1663033.02
101	N 1659441.00	E 1662938.01
102	N 1659437.27	E 1662768.01
103	N 1659695.67	E 1662762.33
104	N 1659701.51	E 1663028.42
105	N 1659402.32	E 1662657.05
106	N 1659421.40	E 1662636.63
107	N 1659723.75	E 1662640.48
108	N 1659895.72	E 1662760.78

NOTE:  
ELEVATIONS SHOWN ON GRADING PLANS ARE TO TOP OF TOPSOIL LAYER.



**DETENTION POND BERM: SECTION A-A**



**POND LINER DETAIL**

NOTE:  
OVER EXCAVATE 6" OF SOIL. PLACE IN TWO 6" LIFTS CLAY LINER (P1-31). COMPACT TO 2% ABOVE OPTIMUM ASTM D698 95% RELATIVE MAX. DENSITY. A PERMIABILITY TEST OF THE LINER MATERIAL SHALL BE PERFORMED BY A GEOTECHNICAL SOILS ENGINEER AT 2 RANDOM LOCATIONS AS DETERMINED BY THE PROJECT INSPECTOR AT THE CONTRACTOR'S EXPENSE. THE CLAY LINER MATERIAL SHALL MEET OR EXCEED A PERMIABILITY RATING VALUE OF 1X10-6 CM/SEC.

APPROVED		DESCRIPTION		DATE	
BY		ISSUED FOR CONSTRUCTION		09/19/11	
		FIRE PROTECTION REVIEW		APPROVED	DATE
		ACCEPTABILITY OF THE SPECIFICATIONS APPROVED		APPROVED	DATE
		NAME	DEPT.	DATE	
		NAME	DEPT.	DATE	

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**SOUTHWEST CCA EXPANSION TO CFF**

Project No: 1615203  
Sheet Name: GRADING DETAILS  
Sheet: C3.4  
Drawing No: 31G-109-271

LINDA WADE (316)-316-0917

Project No: 1615203  
Sheet Name: GRADING DETAILS  
Sheet: C3.4  
Drawing No: 31G-109-271

**MKEC**  
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 WICHITA, KS