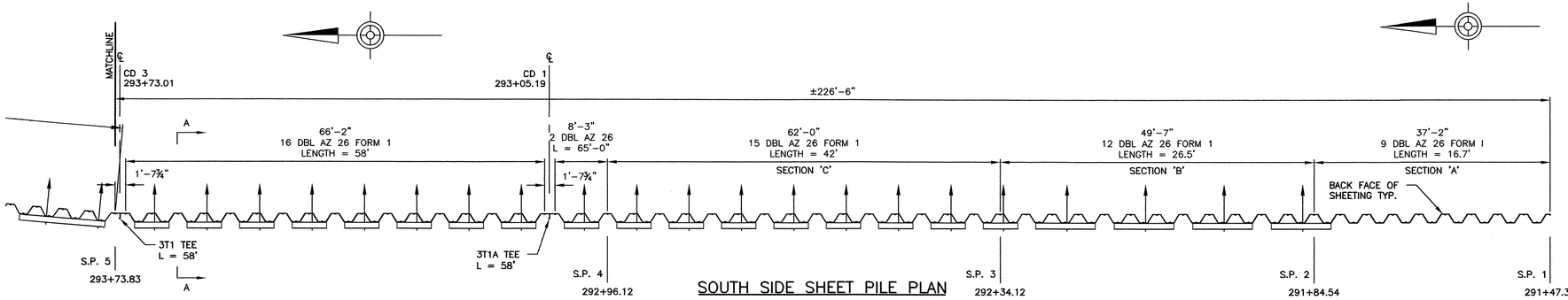
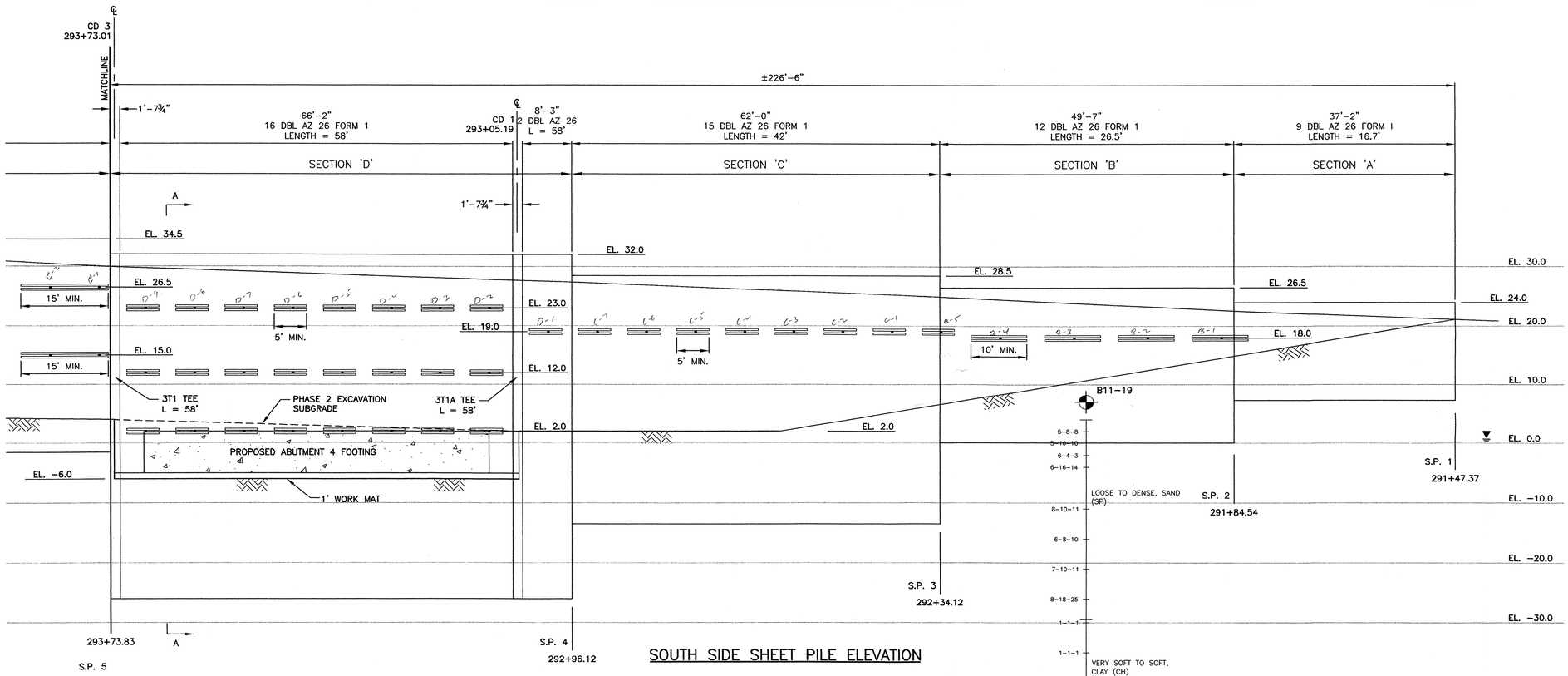


SOUTH SIDE SHEET PILE PLAN



SOUTH SIDE SHEET PILE ELEVATION

TIEBACK TENDON TYPE & SIZE		MAX. DESIGN LOAD
0.6"ø, 270 KSI	2 STRANDS	70.3 KIPS
	3 STRANDS	105.4 KIPS
	4 STRANDS	140.6 KIPS
1"ø, 150 KSI THREADBAR		76.5 KIPS
1 1/4"ø, 150 KSI THREADBAR		112.5 KIPS
1 3/8"ø, 150 KSI THREADBAR		142.2 KIPS

SHEET PILE WALL SCHEDULE – SOUTH SIDE

SECTION	SHEET PILE SIZE	TIEBACK – LEVEL 1				TIEBACK – LEVEL 2				TIEBACK – LEVEL 3				TIEBACK – LEVEL 4			
		D.L. @ 20' (KIPS)	ELEV.	SPACING (FT)	WALE	D.L. @ 15' (KIPS)	ELEV.	SPACING (FT)	WALE	D.L. @ 15' (KIPS)	ELEV.	SPACING (FT)	WALE	D.L. @ 15' (KIPS)	ELEV.	SPACING (FT)	WALE
A	AZ 26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B	AZ 26	100	18	12.4	2C15x33.9	–	–	–	–	–	–	–	–	–	–	–	–
C	AZ 26	116	19	8.27	2C12x30	–	–	–	–	–	–	–	–	–	–	–	–
D	AZ 26	93	23	8.27	2C12x25	77	12	8.27	2C12x25	110	2	8.27	2C12x25	–	–	–	–
E	AZ 26	114	26.5	12.4	2C15x33.9	111	15	12.4	2C15x33.9	–	–	–	–	–	–	–	–
F	AZ 36	111	VARIES	8.27	2C12x25	108	18.5	8.27	2C12x25	92	9.5	8.27	2C12x25	101	1	4.14	2C12x25
G	AZ 26	106	17	12.4	2C15x33.9	–	–	–	–	–	–	–	–	–	–	–	–
H	AZ 26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Scale in Feet 0 10

JOHN J. PEIRCE JR. REGISTERED No. 6470 DELAWARE PROFESSIONAL ENGINEER

JOHN J. PEIRCE JR. 5/24/05
DELAWARE PROFESSIONAL ENGINEER
LICENSE No. 6470

NO.	REVISIONS	DATE	APP'D
1	FIGG REVIEW COMMENTS DATED 6/17/05	6/27/05	

DESIGNED: JJP | CHK'D: JPB | DRAWN: JPB | CHK'D: JJP

PEIRCE ENGINEERING, INC.
3736 Stoughton Road Collegeville, PA 19426 PH./FAX (610)489-1163
Civil – Construction Engineering

KUHN CONSTRUCTION COMPANY
P.O. BOX 1419 HOCKESSIN, DELAWARE 19707

DELAWARE RIVER SEASHORE STATE PARK
BR 3-156 INDIAN RIVER INLET
FEDERAL AID PROJECT NO. BROS-S050(7)
SOUTH SIDE PLAN

DWG. NAME: SHEETING.DWG | STRUCTURE NO.

SCALE: 1" = 10'

CONTRACT NO.	DWG. NO.	SHEET NO.
27-073-03		4 OF 6