PRESTRESSED CONCRETE PILING SCHEDULE

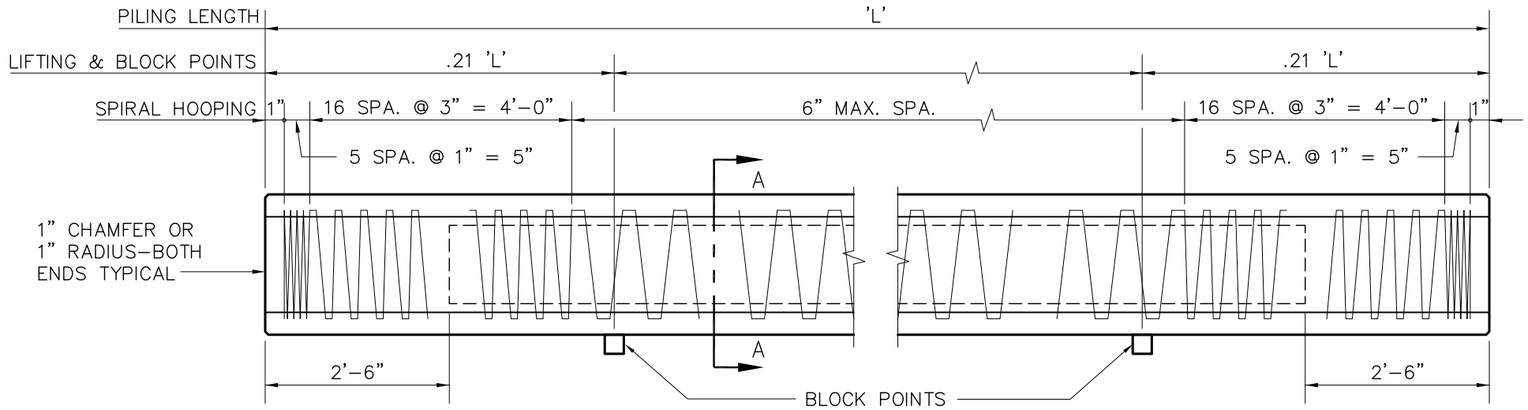
PILE MARK	PILE SIZE	QUANTITY	PILE LENGTH	REMARKS
A	36" ⊕			
B				
C				
D				
TOTALS				

TABLE OF ELEMENTS FOR PRESTRESSED CONCRETE PILING

PILE SIZE 'D'	AREA OF PILE SECTION	I	WEIGHT	1/2"ø–270K LL STRANDS		
				QUANTITY STRESSED @ **28.9k**	INITIAL PRESTRESS FORCE	FINAL PRESTRESS **(15% LOSS)**
	SQ. IN.	IN.^{4}	LB./FT.		KIPS	P.S.I.
36" ⊕	896	126,634	933	32	809	767

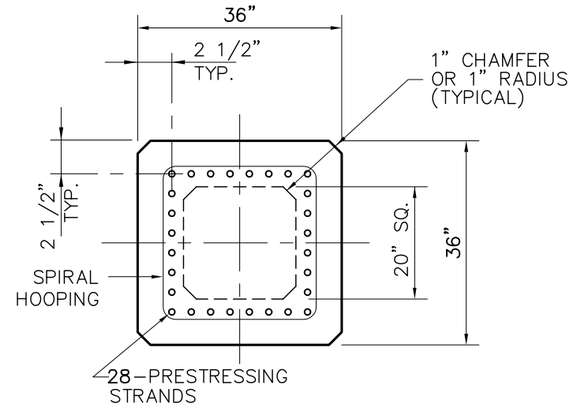
PILE PLACEMENT SCHEDULE — 36" ⊕

STRUCTURE	BENT NO.	PILE MARK / NUMBER PILES	FT. / PCS.
TOTALS			



DETAIL OF PILING

NOTE:
PILING SHALL BE HELD FIRMLY IN THIS POSITION ⊟ (HORIZ.) THROUGHOUT ALL LIFTING AND HANDLING OPERATIONS.



36" SECTION A–A

GENERAL NOTES

1. CONCRETE FOR PRESTRESSED PILING SHALL BE CLASS **H** EXCEPT AS NOTED.
   RELEASE STRENGTH FOR CLASS **H** CONCRETE = **4000 PSI.**
   MINIMUM COMPRESSIVE STRENGTH 28 DAY (f'c) = **5000 PSI.**
2. ALL CORNERS SHALL BE CHAMFERED AS SHOWN OR NOTED.
3. ALL DIMENSIONS RELATING TO REINFORCING OR PRESTRESSING STEEL ARE TO CENTERS OF BARS OR STRANDS.
4. SPIRAL HOOPING SHALL BE ASTM A–82 .207"ø MIN.
5. PILE SHOULD BE SUPPORTED AT THE PICKUP POINTS AS SHOWN.
6. TOLERANCES PER PCI–MNL–116–85.
7. ALL PILING TO BE CAST WITH CONCRETE USING TYPE **I** CEMENT.
8. PRESTRESS STRAND TO BE SEVEN–WIRE 1/2"ø 270 GRADE LOW RELAXATION ASTM A–416.
9. STRAND SHALL BE STRESSED TO **28.9k**.

REVISIONS			
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△			
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PROJECT: 36" STANDARD PILE
LOCATION:
CONTRACTOR:
CONTROL NUMBER: –
P.O. NUMBER: –
PROJECT NUMBER: –
ENGINEER:

flexicore OF TEXAS
CONCRETE SOLUTIONS SINCE 1953
P.O. BOX 450049 HOUSTON, TEXAS 77245
PHONE: 888–359–4267 FAX: 281–437–8913

DRAWN BY:
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JOB NUMBER:
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