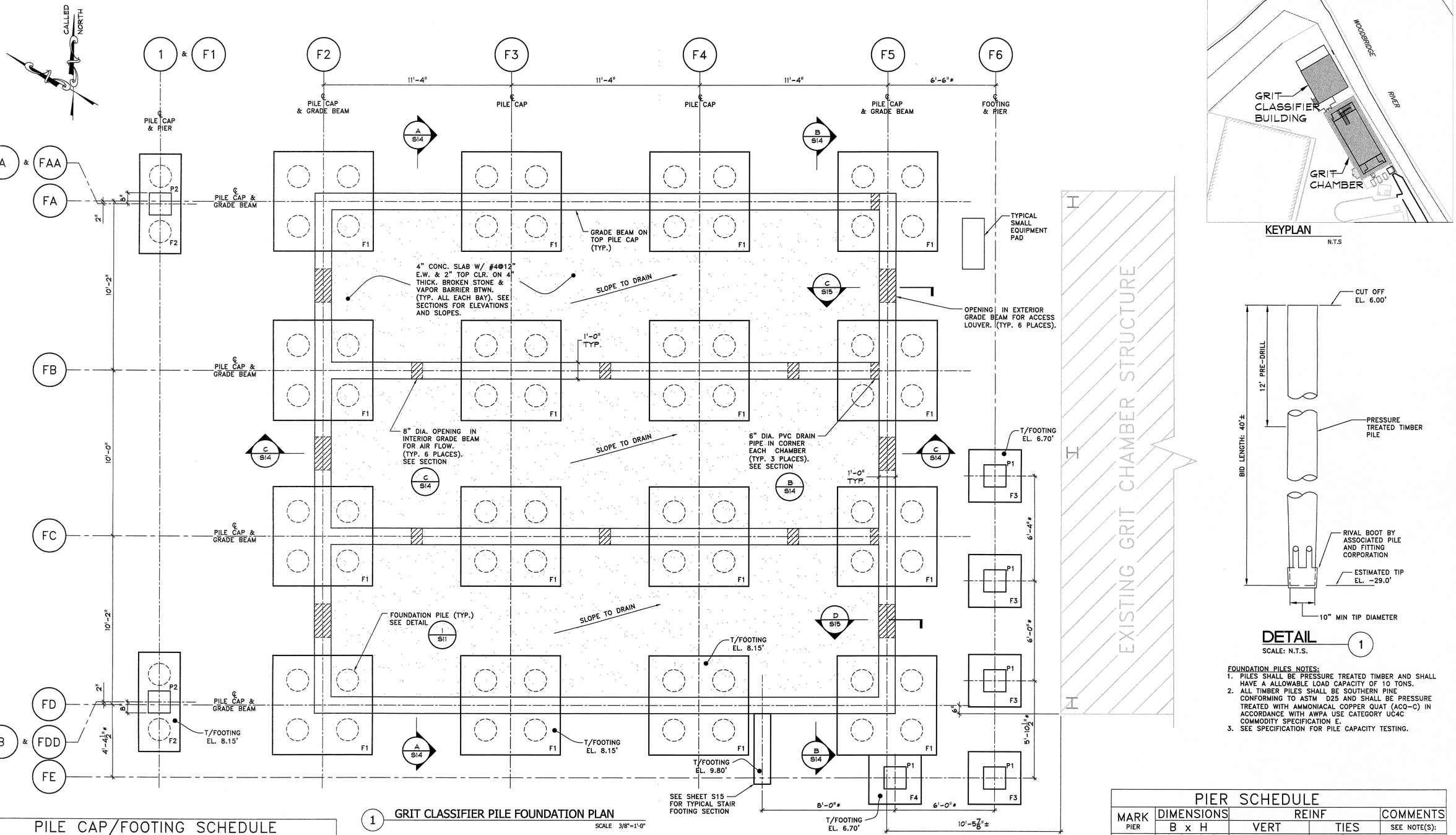

1 GRIT CLASSIFIER PILE FOUNDATION PLAN

SCALE 3/8"=1'-0"

KEYPLAN

N.T.S

DETAIL 1

SCALE: N.T.S.

FOUNDATION PILES NOTES:

1. PILES SHALL BE PRESSURE TREATED TIMBER AND SHALL HAVE A ALLOWABLE LOAD CAPACITY OF 10 TONS.
2. ALL TIMBER PILES SHALL BE SOUTHERN PINE CONFORMING TO ASTM D25 AND SHALL BE PRESSURE TREATED WITH AMMONIACAL COPPER QUAT (ACQ-C) IN ACCORDANCE WITH AWPA USE CATEGORY UC4C COMMODITY SPECIFICATION E.
3. SEE SPECIFICATION FOR PILE CAPACITY TESTING.

PILE CAP/FOOTING SCHEDULE

MARK FTG	DIMENSIONS SIZE (NS DIM. x EW DIM.)	DIMENSIONS THICKNESS T	REINF	COMMENTS SEE NOTE(S):
F1	6'-0" x 6'-0"	2'-6"		
			#6@6" BOTTOM EACH WAY	
F2	6'-0" x 2'-6"	2'-6"	#6@6" TOP EACH WAY	
			#6@6" BOTTOM EACH WAY	
F3	3'-2" x 3'-2"	1'-0"	4 #5 PERP TO L T&B	
			4 #5 PERP TO W T&B	
F4	3'-2" x 2'-11"	1'-0"	4 #5 PERP TO L T&B	
			4 #5 PERP TO W T&B	

FOOTING NOTES:

F1. SEE FOOTING SECTIONS SEE S13.
F2. SEE FOUNDATION PLAN ABOVE FOR ORIENTATION.

NOTES:

1. FOR TYPICAL CONCRETE DETAILS AND NOTES, SEE SHEET S01.
2. ALL CONCRETE SHALL BE CLASS E CONCRETE AND SHALL CONTAIN FIBERMESH 150 @ 1.5 lb/CY BY PROPEX CONCRETE SYSTEMS.
3. FOR GRADE BEAM SECTIONS AND PENETRATIONS SEE SHEET S14 AND S15.

* DIMENSION SHOWN ARE APPROXIMATE. FINAL LAYOUT SHALL BE VERIFY WITH APPROVED FPR PLATFORM SHOP DRAWINGS. CENTER OF FOOTING SHALL MATCH CENTER OF FRP PLATFORM COLUMNS.

PIER SCHEDULE

MARK PIER	DIMENSIONS B x H	REINF VERT	REINF TIES	COMMENTS SEE NOTE(S):
P1	1'-4" x 1'-4"	4 #5	#4 @ 8" OC MAX	
P2	1'-4" x 1'-4"	8 #6	#4 @ 6" OC MAX	

PIER NOTES:

P1. SEE TYPICAL PIER & FOOTING SECTION G ON SHEET DWG S13.
P2. SEE FOUNDATION PLAN ABOVE FOR ORIENTATION.
P3. T/ PIER EL. 15.00' ON COLUMN LINE F1.
P4. T/ PIER EL. 9.90' ON COLUMN LINE FE & F6.

APPROVED: 4/24/17

Richard A. Alaimo
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 13195

REVISIONS	DATE	BY
1. GENERAL	4/13/17	DJS

RICHARD A. ALAIMO ENGINEERING COMPANY
Consulting Engineers
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2 MARKET STREET PATERSON, N.J.

GRIT CHAMBER UPGRADE

GRIT CLASSIFIER BUILDING FOUNDATION PILE PLAN

SCALE: AS NOTED

CLIENT: WOODBRIDGE TOWNSHIP

PROJECT LOCATION: WOODBRIDGE TOWNSHIP MIDDLESEX COUNTY NEW JERSEY

PROJECT NO.: B-0726-0023-000

CONTRACT NO.: 1230

DATE: APRIL 2017

DESIGNED BY: PG

DRAWN BY: PG

CHECKED BY:

DEPT. HEAD:

SHEET S11

FILE NO.:

Plotted: 4/12/2017 4:54 PM File Name: K:\Projects\0726023000\Drawings\Edy-S11_Grit_Classifier_Building_Foundation_Pile_Plan.dwg Last saved: 4/12/2017 4:54 PM