

**NOTES**

1. All piles shall be plumb (without batter). Piles shall be oriented (with regard to pile strong axis) and located as shown on Pile Cap Layout Plan. See individual pile cap plans on Drawing S2.3 for pile locations relative to pile cap centerline.
2. All piles designated as "HP12" shall be HP12x53 piles, Grade 50 steel (Fy=50 ksi). Quantity = (40) HP12x53 piles where shown.
3. All piles designated as "HP10" shall be HP10x42 piles, Grade 50 steel (Fy=50 ksi). Quantity = (21) HP10x42 piles where shown.
4. The following parameters have been established by the owner's geotechnical engineer:
  - a) Allowable capacity of HP12x53 piles is 86 tons.
  - b) Allowable capacity of HP10x42 piles is 63 tons.
  - c) All piles shall have a corrosion inhibiting coating, approved by the owner's geotechnical engineer, applied to the top 12 feet of the pile (min).
  - d) Pile splices shall be located at 45 feet (min) below final grade.
  - e) Driving shoes are not required.
5. See Geotechnical Report prepared by Summit Geotechnical Services dated 11/11/05 (with 12/05 supplement) for additional information and requirements.
6. All piles are designed as bearing piles and shall be driven to refusal. Typical refusal shall be defined by the owner's geotechnical engineer. It is estimated that refusal will occur at approximately 95 to 99 feet below existing grade.
7. To identify a specific pile for the records, indicate pile cap gridline location followed by compass location (north, south, east, west) on pile cap.
8. See Project Specifications for additional requirements.
9. See pile cap plans and typical details for dimensions, reinforcement, and typical splices and other requirements.
10. Pile contractor shall provide a pile inspector who will maintain a written and accurate log during pile installation. (See specification). Log will be reviewed by owner's geotechnical engineer throughout pile installation. Provide copy of log to engineer after piles are installed.
11. Location of pile cap centerlines shall be field located by licensed surveyor related by the General Contractor prior to pile driving.
12. Piles shall be driven in such a manner that prevents damage to existing foundations and existing buildings.
13. All grade beams and pile caps shall be constructed on 6" layer of crushed stone.
14. Fill adjacent to grade beams and pile caps shall be "Foundation Backfill" compacted to 95% of its maximum dry density as determined by ASTM D1557.
15. Establish temporary benchmarks on individual piles to check for potential heave during driving of adjacent piles.
16. Compression load test shall be conducted in accordance with ASTM D4945 and the recommendations of the owner's geotechnical engineer. The test is required at one HP12x53 pile and one HP10x42 pile.
17. Tops of driven piles shall be cut back so as to provide sound material before capping.
18. Top of pile cap elevation shall be EL 98.00 (2' or below finish floor), unless otherwise noted.
19. See detail C953.3 for typical pile-splice detail.

**IMPORTANT NOTE:**  
All pile caps shall be placed monolithically with grade beams except at construction joints specified on Drawing S2.1.

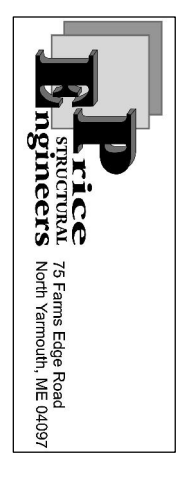
**REVISIONS:**

Description:	Date:
Issued for Permit Only	11/11/05
Issued for Pricing	11/16/05
Issued for Construction	2/6/06

CAD Filename: Marginal Way/ PILE PLAN / S2.0

Owner:  
**BAYSIDE HOLDINGS, LLC**  
50 PORTLAND PIER  
SUITE 400  
PORTLAND, MAINE  
04101

**MULTI-TENANT OFFICE BUILDING**  
MARGINAL WAY  
PORTLAND, MAINE  
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Drawing Title:  
**PILE CAP LAYOUT PLAN**  
Scale: 3/16" = 1'-0"  
Date: 10/25/05  
PSE Proj. No.: 127-05

Drawing Number:  
**S2.0**