

SITE CONSTRUCTION NOTES AND TECHNICAL REQUIREMENTS

Dig Safe/Utility Locations

The Sheridan Corporation has made a diligent effort to ascertain the location of all underground utility facilities within the work zone of this project. The utility locations shown on the plans are for information purposes only and do not relieve the contractor/subcontractor from the requirements of the "Dig Safe" law and from locating and marking all underground utilities before commencement of work.

Those contractors / subcontractors responsible for site excavation and other below grade work, are charged with "Dig Safe" protocol. It is the sole responsibility of the contractor / subcontractor to notify DIG SAFE at 1-888-344-7233 at least 72 hours in advance, excluding Saturdays, Sundays and legal Maine holidays, but not more than 30 days in advance of commencement of excavation to field verify and mark all underground utility locations. Additionally, the contractor / subcontractor shall notify all remaining utility companies that are not members of "Dig Safe" to locate their facilities prior to commencement of excavation work.

The Sheridan Corporation shall not be held liable for the contractor / subcontractor's errors.

CONSTRUCTION NOTES

- 1) ALL WORK WILL BE EXECUTED IN ACCORDANCE WITH THE LATEST PUBLISHED TECHNICAL DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY LOCAL CITY OR TOWN OFFICIALS.
- 2) ALL UTILITY WORK WILL BE EXECUTED PER THE RULES AND/OR REGULATIONS OF THE APPROPRIATE GOVERNING AUTHORITY.
- 3) ALL SUBCONTRACTORS ARE RESPONSIBLE FOR OBTAINING ANY PERMITS NECESSARY FOR THEIR SCOPE OF WORK. THEY ARE ALSO RESPONSIBLE FOR SCHEDULING AND ATTENDING ALL INSPECTIONS OF WORK, AND SUPPLYING WRITTEN PROOF OF ACCEPTANCE OF WORK BY INSPECTOR.
- 4) ALL SANITARY SEWER, STORM SEWER, AND WATER CROSSINGS SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE STATE AND CITY STANDARDS.

Site Fill Materials:

Foundation Fill Materials:

- Structural fill shall be used for the following purposes:
1. To provide a minimum 12 inch base below the building floor slab.
 2. To backfill interior footings and over excavated wall and interior footing excavations.

This material shall meet the following gradations:

Sieve Size	Percent Passing
8 inch	100
3 inch	70-100
No. 4	35-70
No. 40	5-35
No. 200	0-5

Structural fill shall consist of a well graded gravelly sand to sandy gravel. It shall be free of organic material, loam, trash, snow, ice, frozen soil or other deleterious material and conform to the gradation indicated in the table above. Boulders of greater than the placed lift thickness shall be removed prior to compaction.

Structural fill shall be placed in layers not exceeding 12 in. (loose measure) and compacted with heavy operator-driven compaction equipment and in 6 in. layers if utilizing hand guided or small remote controlled vibratory equipment. Lift thickness may require to be reduced if difficulty in achieving the required compaction.

Structural fill shall be compacted at approximately optimum moisture content (plus 1 to minus 2 percent) to 95 percent of maximum dry density as determined by ASTM D1557 (modified density).

B. Granular Borrow:

Granular borrow or structural fill may be used as a backfill material as follows:

1. For backfilling exterior footings, foundation and frost walls and retaining wall excavations.
2. For raising building interior site grades to subbase grade; frost free backfill to subbase below access drives and parking area pavement.

Granular borrow shall consist of sand or gravel of hard durable particles free from vegetable matter, lumps or balls of clay and other deleterious substances. The gradation of that portion passing a 3 inch sieve shall meet the following gradation requirements:

Sieve Size	Percent Passing
No. 40	0-70
No. 200	0-20

Surface tolerance of 3/8 in., above or below the required cross sectional shape shall be maintained.

General Site Fill Materials:

Common Borrow:

Common borrow may be used as a non-building site fill material to raise site grades to subbase level. This material and installation shall follow the Maine Dept. of Transportation Specifications Revision of 1995. The utilization of this material is subject to the review of the Engineer prior to its use.

NOTE: SUBSURFACE PREPARATION WILL ENTAIL THE REMOVAL OF TOPSOIL, ALL UNSUITABLE MATERIALS, STUMPS, TRASH, ETC. THEN IT WILL BE PROOF ROLLED. STRUCTURAL FILL PLACED IN 12" MAX. LIFTS AND COMPACTED TO 95% DRY DENSITY. THIS APPLIES ALL BUILDING PAVED AREAS. GRADING OF SUBGRADE WILL BE MINUS THE DEPTH OF ALL SUBBASE, BASE AND FINISH MATERIALS. WITH ALLOWABLE GRADE DEVIATION OF PLUS OR MINUS 1/10 OF ONE FOOT.

SPECIAL NOTE:

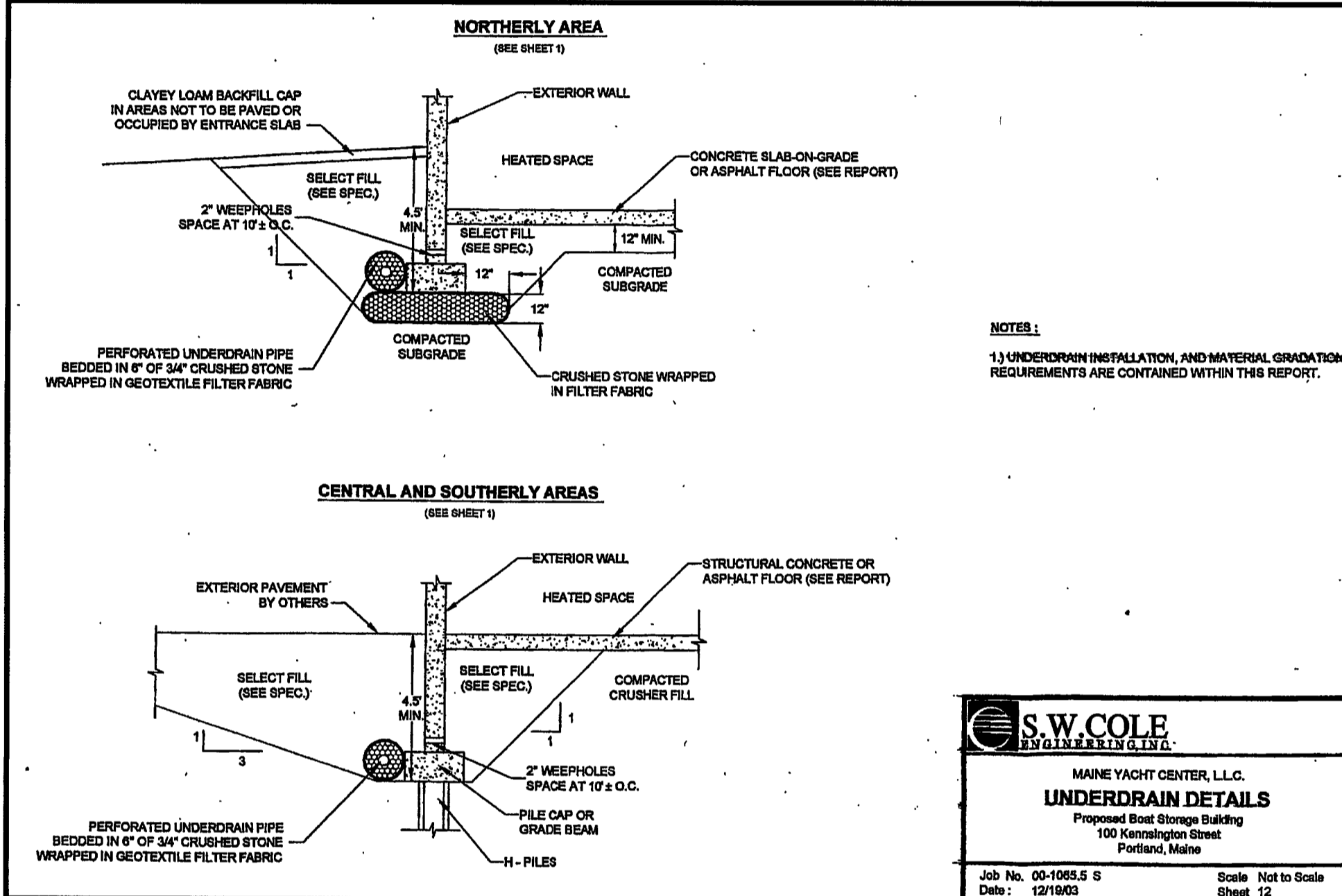
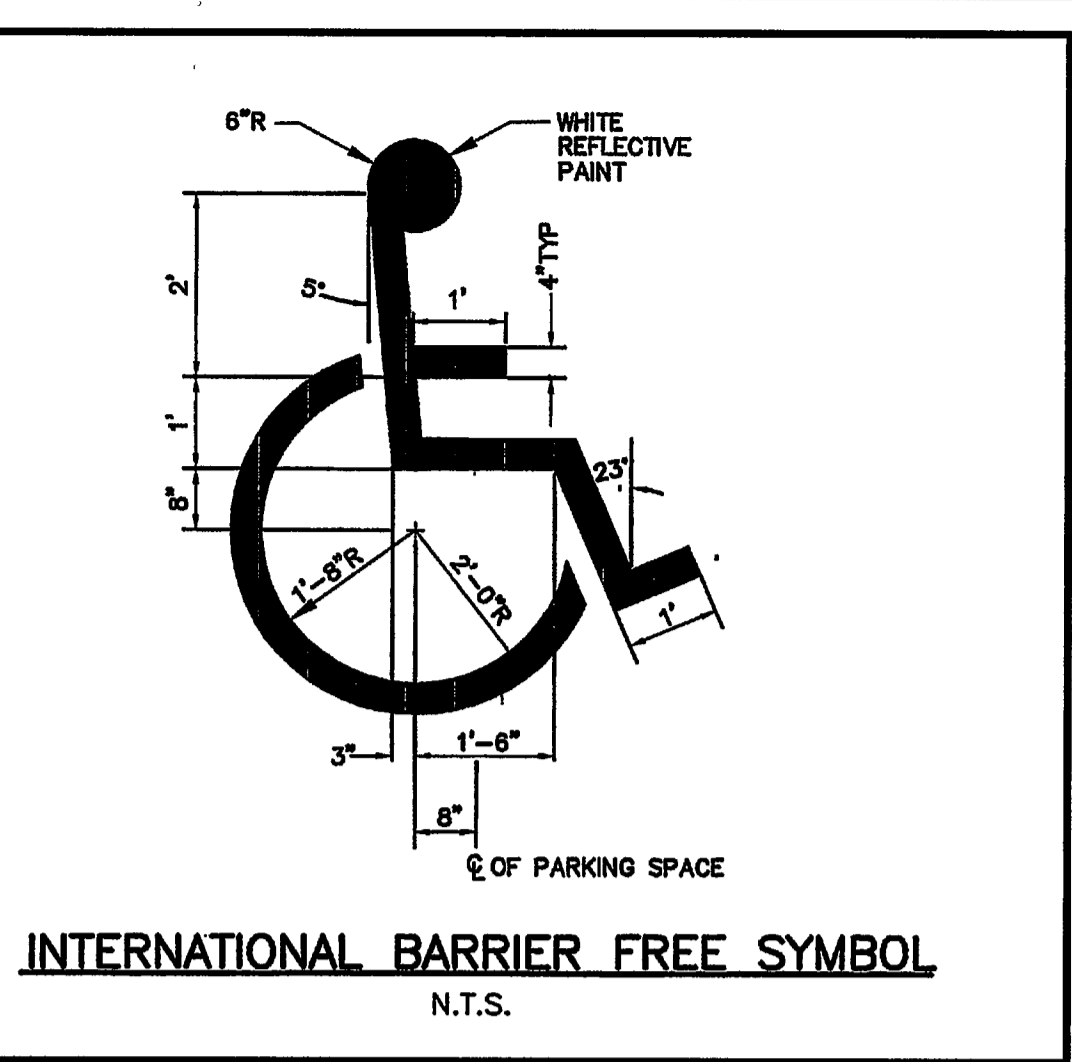
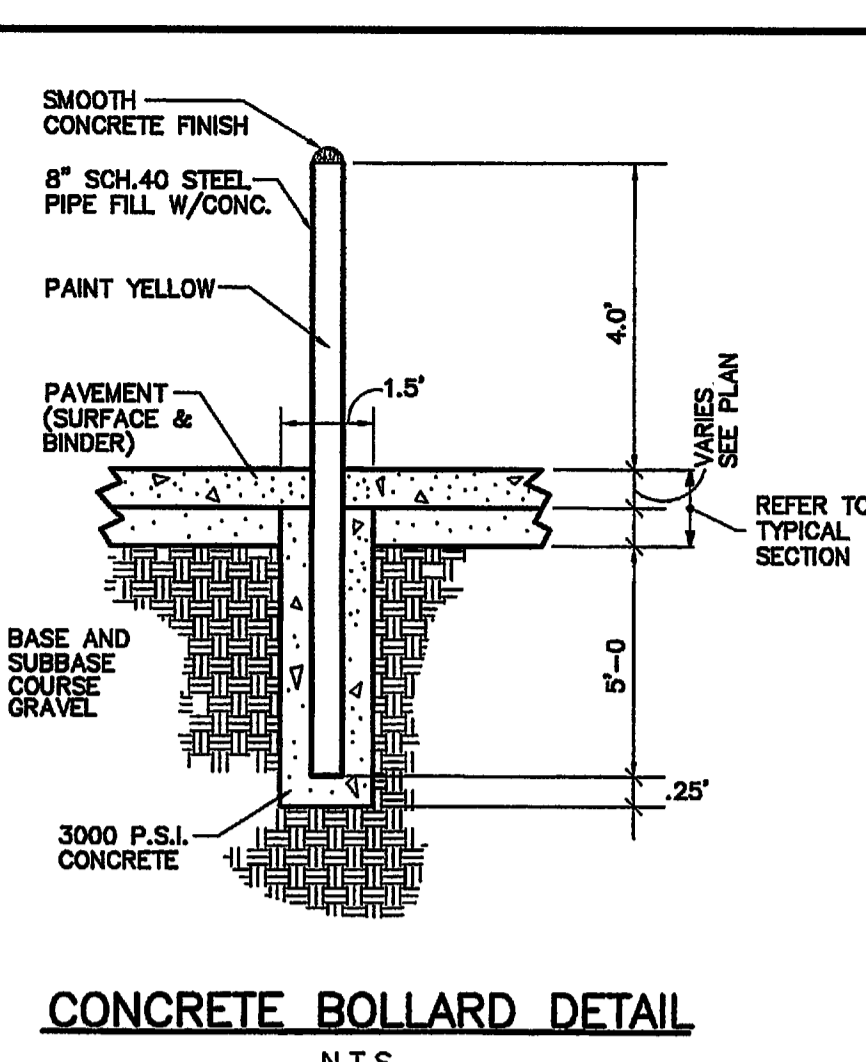
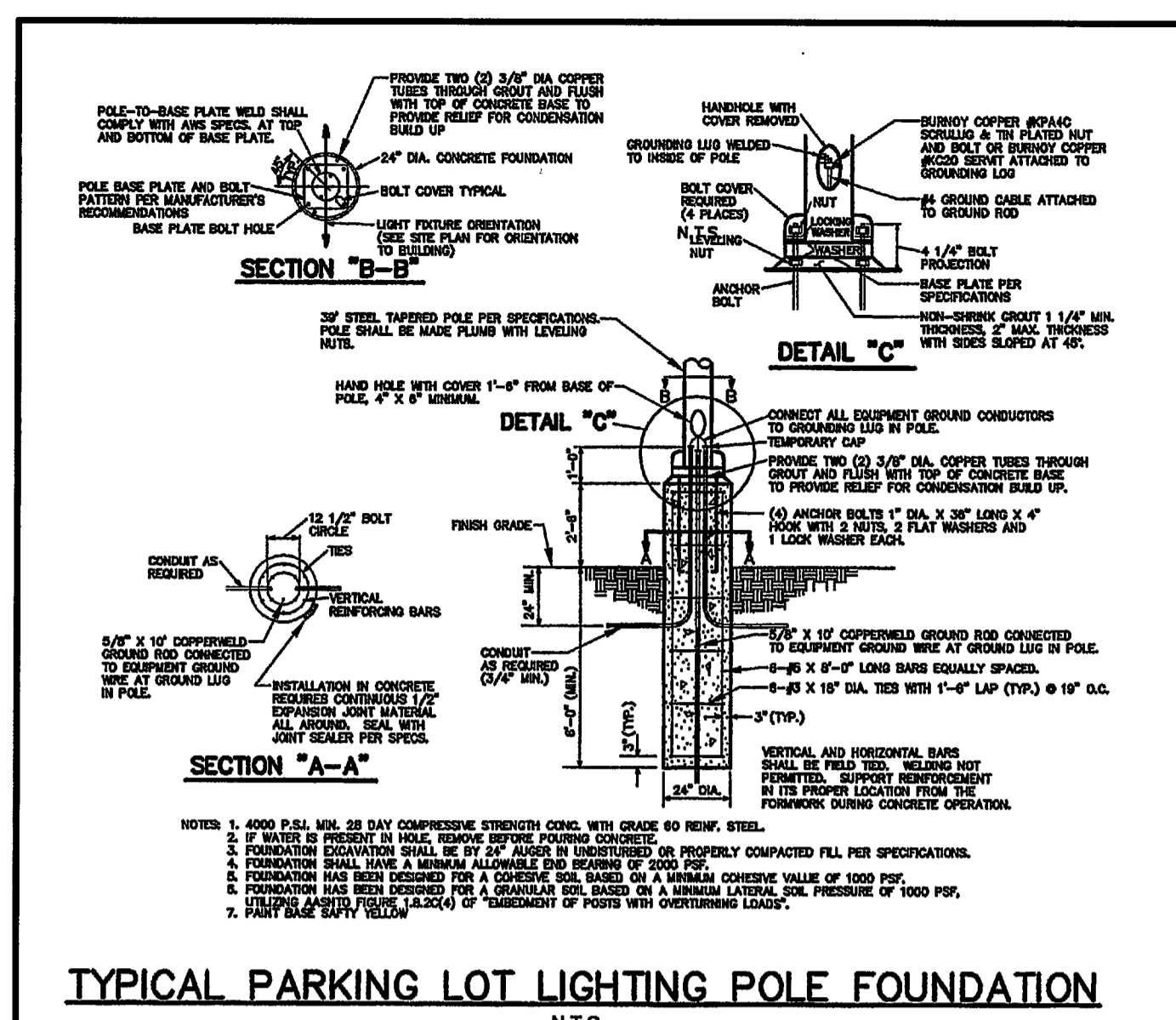
ALL RIP RAP TO BE ANGULAR, CRUSHED STONE GRADED FOR SIZE. SMOOTH BANK RUN STONE IS NOT ALLOWED.

GENERAL NOTE:
THIS PLAN DOES NOT DELETE ANY ITEMS REQUIRED BY THE CITY OF PORTLAND AND/OR THE MAINE DEP IN ANY AND ALL APPROVALS FOR THE MAINE YACHT CENTER PHASE 1 & 2. FOR ALL APPROVALS DATED BEFORE 12/1/03. THESE ITEMS HAVE BEEN CARRIED IN THEIR ENTIRETY TO THIS MODIFIED SUBMITTAL.

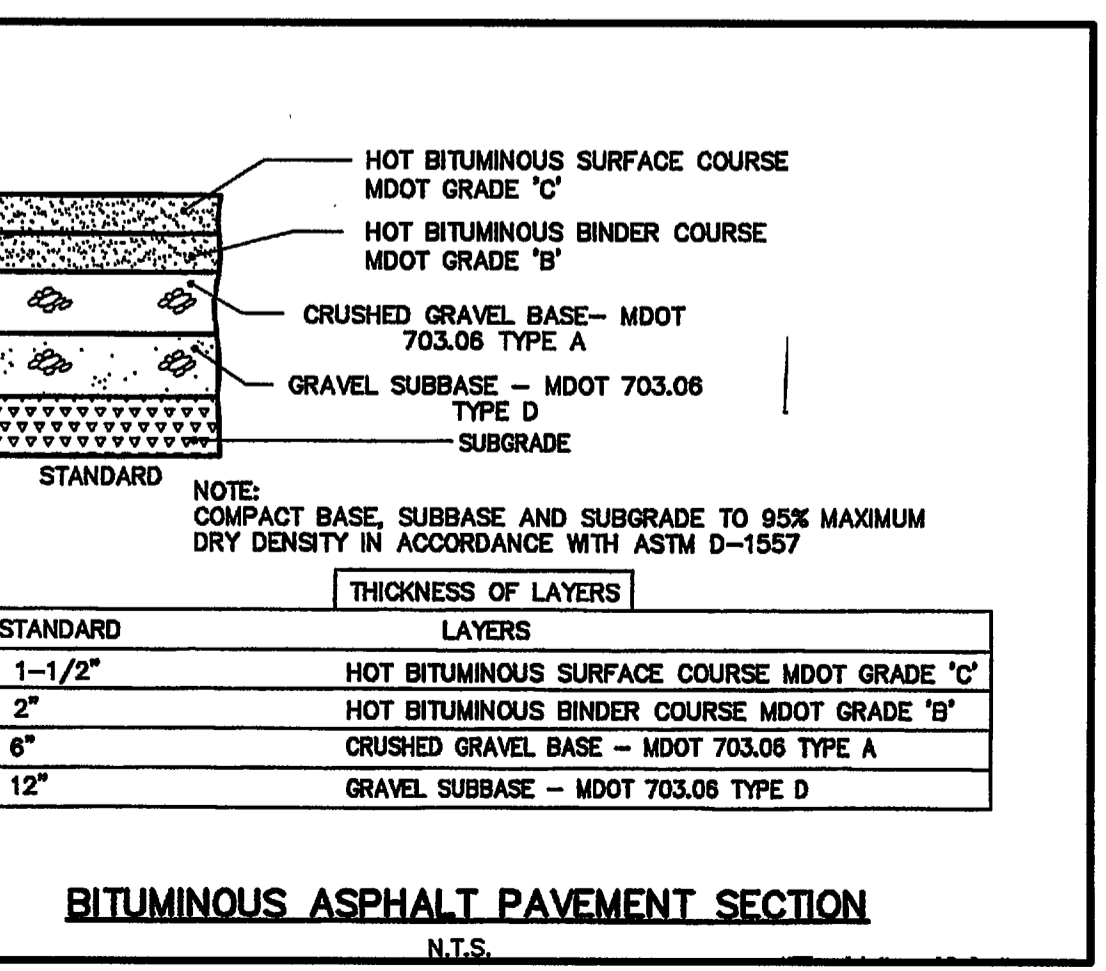
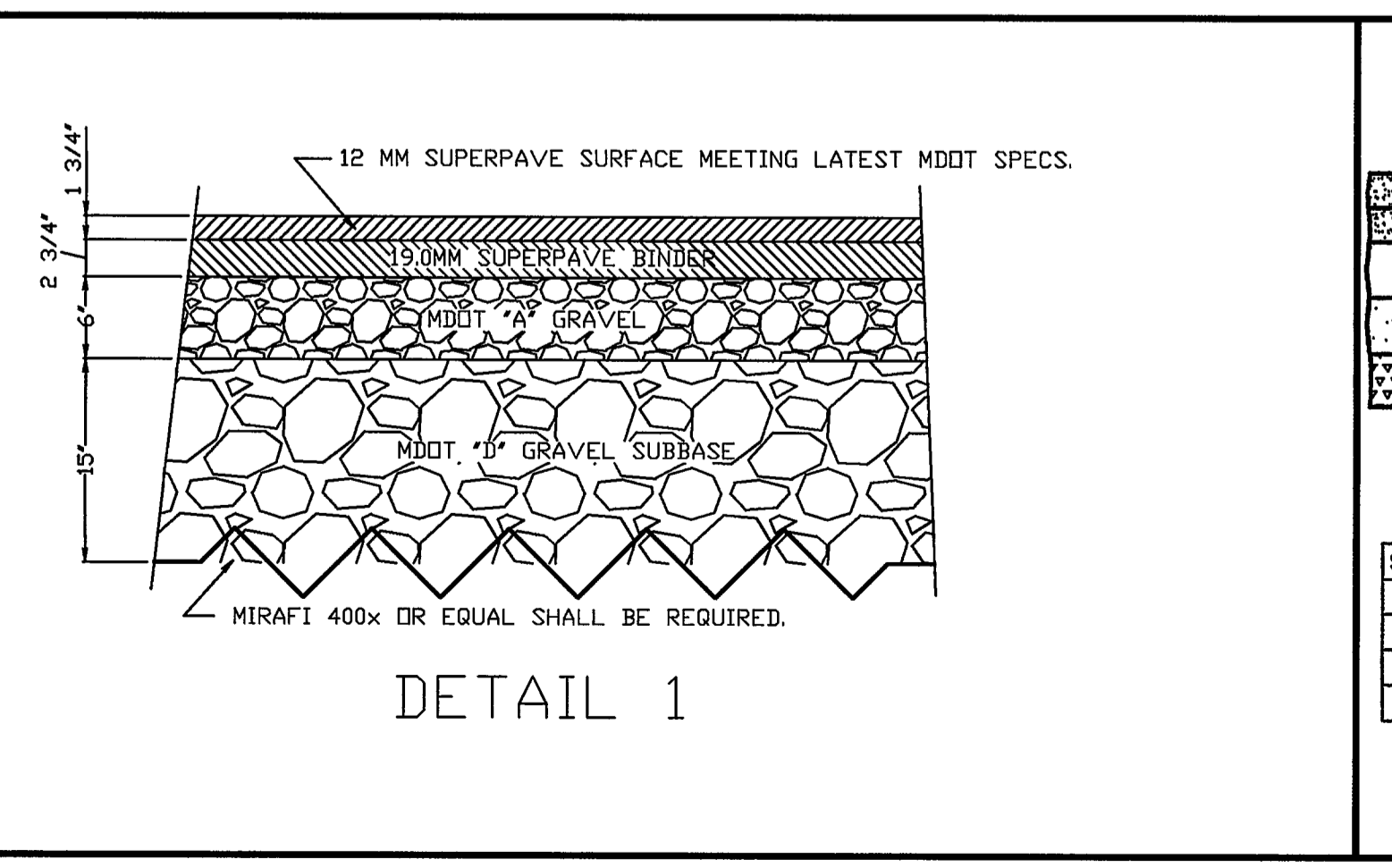
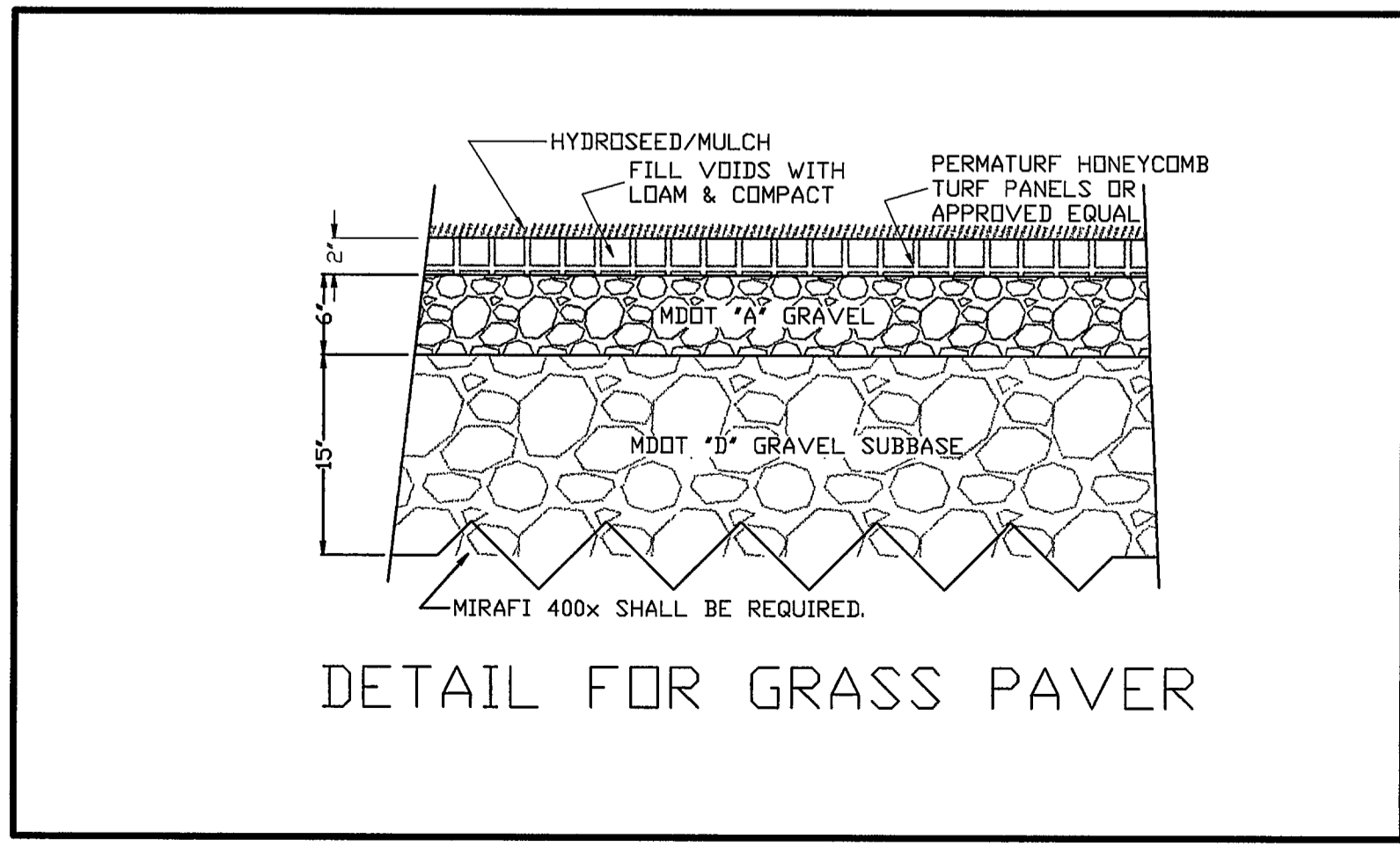
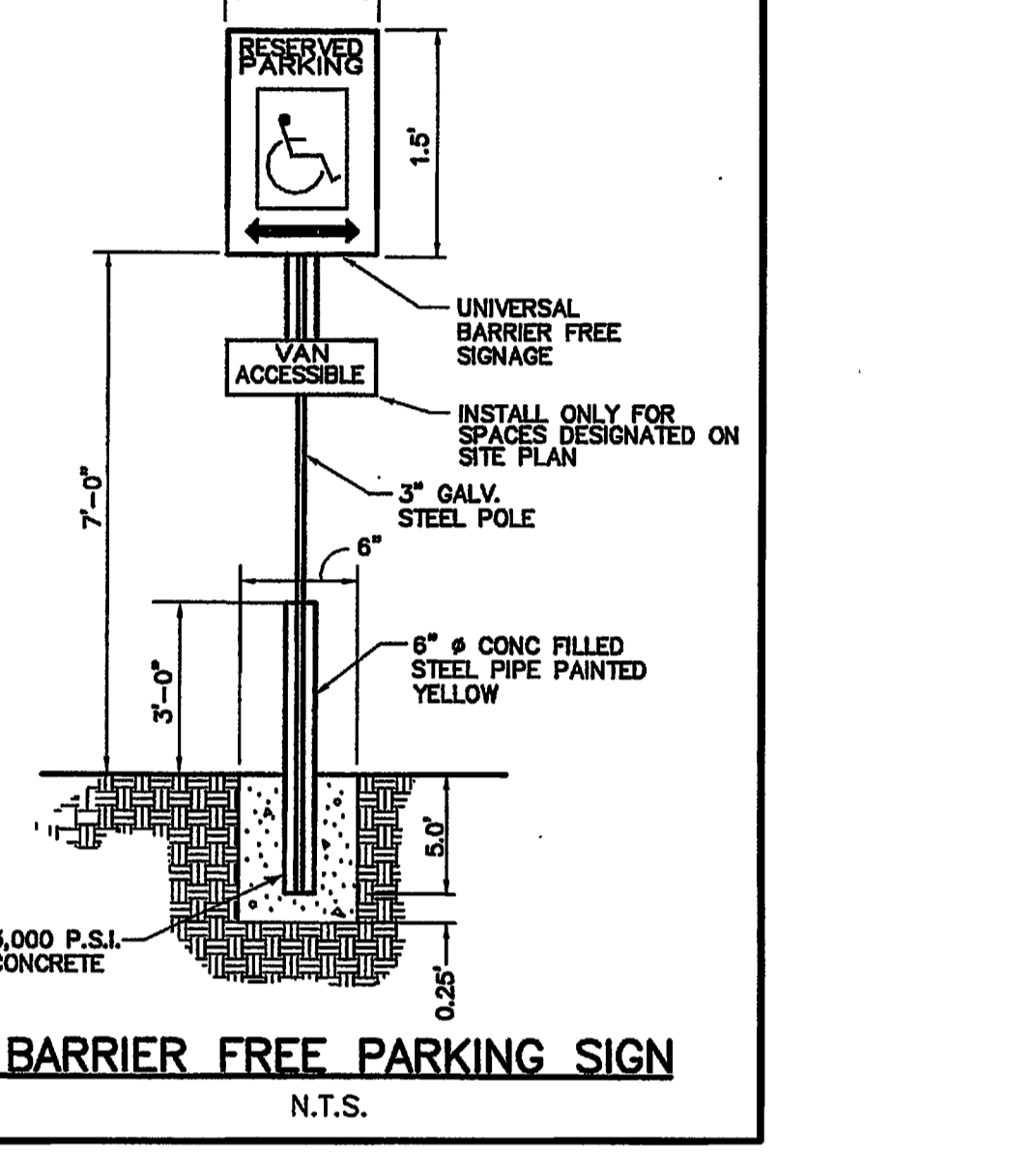
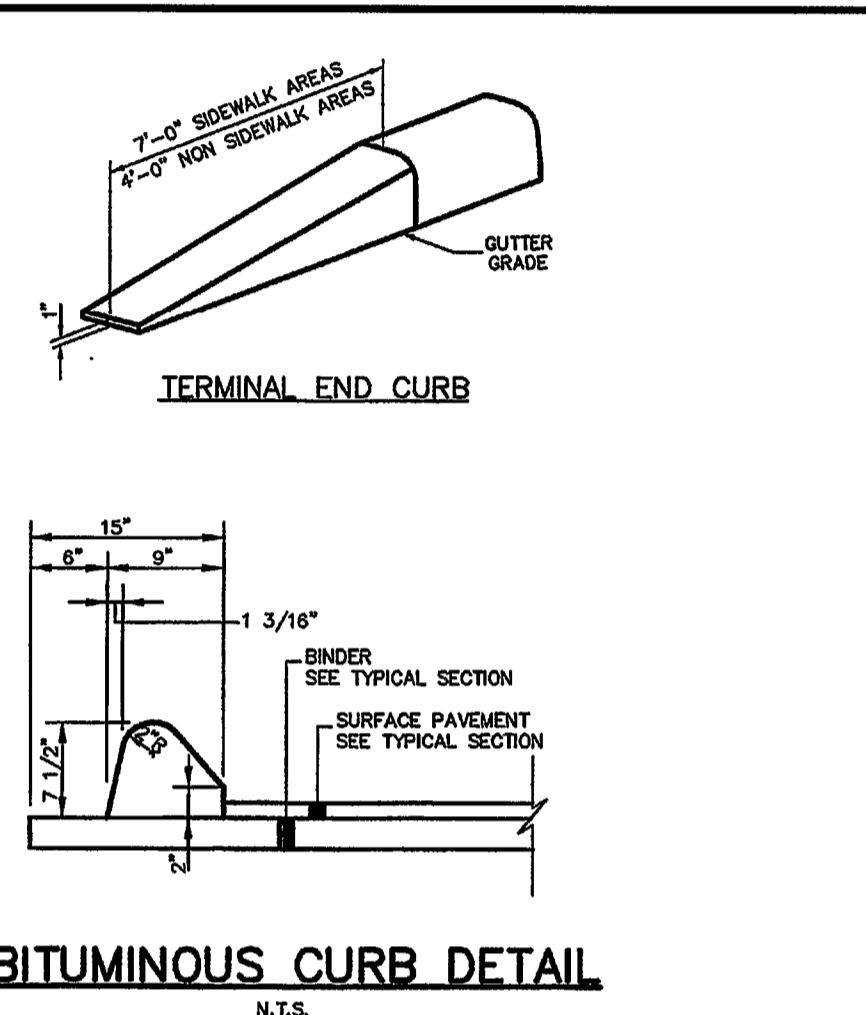
ALL ITEMS MODIFIED BY THIS SUBMITTAL TO THE CITY OF PORTLAND ON 5/6/04 ARE THE DESIGN RESPONSIBILITY OF THE ENGINEER WHOSE STAMP IS AFFIXED TO THE DRAWING.

NOTE: ITEMS MODIFIED THIS SHEET

1. MISCELLANEOUS CONSTRUCTION NOTES ADDED.
2. REVISED PAVEMENT SECTION.
3. REVISED GRASS PAVER SECTION.



UNDERDRAIN DETAIL FROM SOIL REPORT



USE THIS DETAIL FOR RAMP AT PIER