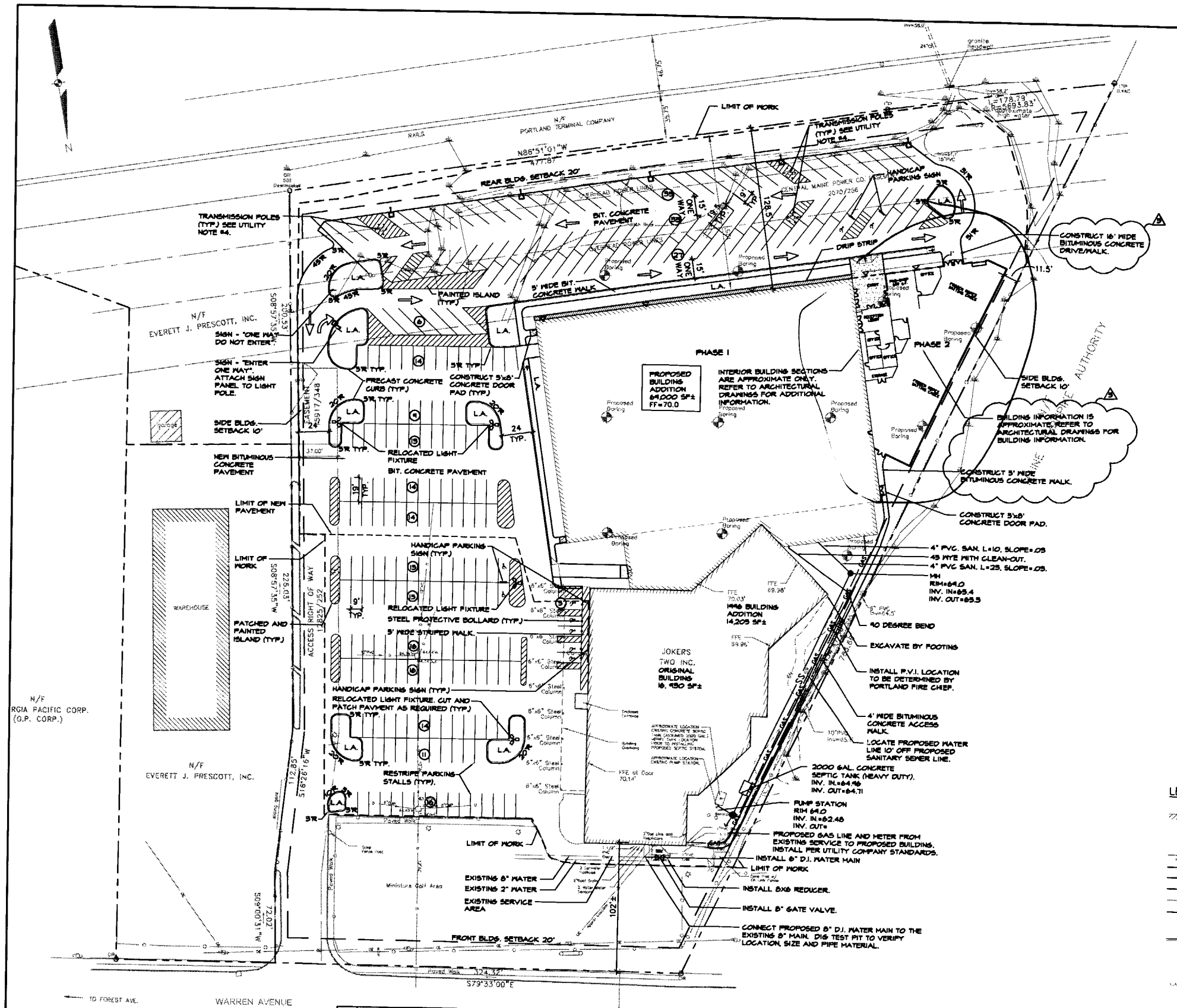

LAYOUT & MATERIALS NOTES:

1. ALL DIMENSIONS ARE PERPENDICULAR UNLESS OTHER WISE NOTED.
2. DO NOT SCALE DRAWINGS. ANY OMISSIONS IN DIMENSIONING SHALL BE REPORTED IMMEDIATELY TO THE OWNER'S REPRESENTATIVE.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION. STAKE LAYOUT PRIOR TO CONSTRUCTION FOR APPROVAL BY THE OWNER.
4. ANY EXISTING WORK OR PROPERTY DAMAGED OR DISRUPTED BY CONSTRUCTION / DEMOLITION ACTIVITIES SHALL BE REPLACED OR REPAIRED AT NO COST TO THE OWNER.
5. ALL DIRECTIONAL SIGNAGE AND PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH THE MUTCD STANDARDS.
6. THE ENTIRE SITE SHALL BE DEVELOPED AND/OR MAINTAINED AS DEPICTED ON THE SITE PLAN. APPROVAL OF THE PLANNING AUTHORITY OR PLANNING BOARD SHALL BE REQUIRED FOR ANY ALTERATION TO OR DEVIATION FROM THE APPROVED SITE PLAN, INCLUDING, WITHOUT LIMITATION, TOPOGRAPHY, DRAINAGE, LANDSCAPING, RETENTION OF WOODED OR LAWN AREAS, ACCESS, SIZE, LOCATION AND SURFACING OF PARKING AREAS, AND LOCATION AND SIZE OF BUILDINGS.
7. SIDEWALKS AND CURBING SHALL BE DESIGNED AND BUILT WITH TIP DOWN RAMPS AT ALL STREET CORNERS, CROSSWALKS AND DRIVEWAYS IN CONFORMANCE WITH THE CITY OF PORTLAND TECHNICAL DESIGN STANDARDS AND GUIDELINES.
8. SIGNAGE FOR THE PROPOSED FACILITY SHALL MEET ALL CITY STANDARDS.
9. CITY OF PORTLAND STANDARD DETAILS SHALL BE USED FOR ALL WORK PERFORMED IN THE CITY RIGHT OF WAY.
10. THE PROPOSED STRUCTURE SHALL BE LAID OUT BY A LICENSED MAINE SURVEYOR WHO SHALL CERTIFY IN DOCUMENT TO THE OWNER'S REPRESENTATIVE THAT THE LAYOUT IS WITHIN THE PROPER ZONE SETBACKS.

UTILITY & LIGHTING NOTES:

1. UTILITY CONNECTIONS (SEWER AND ELECTRIC SHALL OCCUR FROM THE WITHIN THE EXISTING BUILDING.
2. REFER TO DRAWINGS C-102 FOR STORM DRAIN INFORMATION.
3. ALL UTILITY WORK SHALL BE IN CONFORMANCE WITH THE CITY OF PORTLAND AND UTILITY COMPANY STANDARDS.
4. TRANSMISSION LINE POLES LOCATED IN THE PARKING BAYS (3) SHALL BE PROTECTED BY THE PLACEMENT OF (6) CONCRETE FILLED STEEL BOLLARDS PLACED 3' AWAY FROM POLES AS REQUIRED BY CENTRAL MAINE POWER COMPANY AND AS SHOWN ON THE DRAWINGS.
5. PROPOSED LIGHT POLES AND FIXTURES TO MATCH EXISTING - CITATION SERIES LIGHT BY LSI LIGHTING SYSTEMS. PROPOSED NEW FIXTURES IN THE PARKING AREA SHALL BE 250 WATT, SUPER METAL HALIDE, TYPE III AND FORWARD THROW AT A MOUNTING HEIGHT OF APPROXIMATELY 22 FEET. WALL MOUNTED FIXTURES TO BE 250 WATT, METAL HALIDE MOUNTED AT APPROXIMATELY 18 HEIGHT. REFER TO ELECTRICAL SITE PLAN E1.0 FOR LIGHT POLE BASE, FIXTURE SCHEDULE AND OTHER REQUIRED ADDITIONAL INFORMATION.
6. CONTRACTOR SHALL PLACE 3/4" PVC, SCHEDULE 40 CONDUIT WITH PULL LINES BETWEEN ALL LIGHT POLES AND MECHANICAL ROOM.
7. SANITARY SEWER SERVICE TO PROPOSED EXPANSION SHALL BE CONNECTED TO EXISTING JOKERS TWO, SEWER INTERNALLY.
8. MINIMUM COVER OVER WATER LINE SHALL BE 5'-6".
9. GAS LINE SHALL BE INSTALLED PER UTILITY COMPANY STANDARDS.
10. THE OWNER SHALL SUBMIT AS-BUILT RECORD DRAWINGS TO THE CITY FOR ANY UTILITY SERVICE THAT IS UPGRADED OR REPLACED DURING CONSTRUCTION.

ZONING SUMMARY:

ZONE B-4 COMMERCIAL CORRIDOR

1. DIMENSIONAL REQUIREMENTS	REQUIRED	PROPOSED
LOT SIZE	10,000	311,465 SF/7.1617 ACRES
STREET FRONTAGE	60 FT. MIN.	524.52 FT.
LOT WIDTH	60 FT. MIN.	524.52 FT.
FRONT YARD (STRUCTURE)	20' MIN. (EXCEPT MAY NOT EXCEED THE AVE. DEPTH OF FRONT YARDS ON EITHER SIDE.)	102± FT. MIN.
SIDE YARD (STRUCTURE)	10 FT. MIN. FOR 1-2 STORY BUILDINGS.	12.4 FT. MIN.
REAR YARD (STRUCTURE)	20 FT. MIN.	128.3 FT. MIN.
BUILDING HEIGHT	65 FT. MAX.	51' TO MEDIAN ROOF HEIGHT, 54' TO PEAK.
IMPERVIOUS SURFACE RATIO	80% Max.	75% (235,865/311,465=75% SF)
FLOOR AREA RATIO	65% Max.	51% (160,259 SF/311,465 SF= 51%)

2. PARKING REQUIREMENTS	EXISTING	PROPOSED
PARKING SPACES	215	275
HANDICAP SPACES	7	7

LEGEND

EXISTING		PROPOSED
	BUILDING	
	GAS VALVE	
	TEST BORING	
	WETLAND	
	STREAM	
	PROPERTY LINE	
	RIGHT-OF-WAY LINE	
	EASEMENT LINE	
	PROPERTY SETBACK	
	BIT. CONCRETE	BITUMINOUS CONCRETE
	BITUMINOUS CURB	
	PRECAST CONCRETE CURB	
	CONCRETE DOOR PAD	
	TREELINE	
	CONCRETE BOLLARD	
	SIGN	
	SWALE	

EXISTING		PROPOSED
	UTILITY POLE	
	LIGHT POLE TO REMAIN	
	RELOCATED LIGHT POLE	
	WALL MOUNTED LIGHT	
	LIGHT POLE	
	LANDSCAPE AREA	LA
	CATCH BASIN	CB
	TRANSFORMER	
	FIRE HYDRANT	
	CULVERT	
	SANITARY MANHOLE	SM

SCALE: 1" = 40'-0"

NO.	REFERENCE DRAWINGS
	TOPOGRAPHIC SURVEY PERFORMED BY TITCOMB ASSOCIATES OF FALMOUTH, MAINE.

REV.	DATE	STATUS	BY	CHKD	APPD
5	9-30-04	PHASE 2 BUILDING FOOTPRINT REVISION & ASSOCIATED ENTRANCE WALKS	PBB	WSD	WSD
4	9-01-04	PHASE 2 BUILDING FOOTPRINT REVISION & ASSOCIATED ENTRANCE WALKS	PBB	WSD	WSD
3	8-19-03	REVISED FOR CITY OF PORTLAND SITE PLAN APPROVAL AND CONSTRUCTION	PBB	WSD	WSD
2	8-5-03	REVISED FOR CITY OF PORTLAND SITE PLAN APPROVAL AND CONSTRUCTION	PBB	WSD	WSD
1	7-18-03	ISSUED FOR CONSTRUCTION	PBB	WSD	WSD
C	7-15-03	REVISED AND RESUBMITTED FOR CITY OF PORTLAND SITE PLAN REVIEW	PBB	WSD	WSD
B	5-21-03	ISSUED FOR PRICING	PBB	WSD	WSD
A	4-2-03	CITY OF PORTLAND SITE PLAN REVIEW	PBB	WSD	WSD

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SYTDesign CONSULTANTS, ANY ALTERATIONS, OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SYTDesign CONSULTANTS.

STATE OF MAINE — SCOTT DECKER #3994 — REGISTERED PROFESSIONAL ENGINEER

SYTDesign Consultants
CIVIL ENGINEERS & LAND SURVEYORS
P.O. BOX 86A, CUMBERLAND CENTER, ME. 04021
Phone: (207) 829-6904 Fax: (207) 829-2231 Email: info@sytdesign.com

CLIENT: DeStefano & Associates, Inc.
2456 LAFAYETTE ROAD, PORTSMOUTH, NH 03801

FIELD BOOK #	
FIELD BOOK PAGE	
FLAT FILE INDEX NUMBER	
PROJECT DIR.	
DRAWING NAME	
DESIGN: PBB	
DRAWN: PBB	
CHKD: WSD	
DATE: APRIL 2003	
SCALE: 1"= 40'	

PROJECT: PORTLAND SPORTS CENTER
512 WARREN AVENUE, PORTLAND, MAINE

LAYOUT & UTILITY PLAN

PROJ. NO. 03-213-00 REV. 5
DWG. NO. 2 OF 7 C-101

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GENERAL STRUCTURAL NOTES

A1. All work shall conform to the requirements of the 2003 International Building Code and other codes having jurisdiction.

A2. The structural design of the building is based on the full interaction of all its connected parts, including all reinforced concrete. No provisions have been made for any temporary conditions that may arise during construction prior to the completion of the structure. The contractor shall be responsible for adequate design and construction of all forms, shoring and temporary bracing during the progress of the project.

A3. The information shown on the structural drawings is intended for this project only and shall not be used for any other purpose. Changes to structural documents (including notes, details, plans, and specifications) shall not be made without written approval from Price Structural Engineers, Inc. (PSE).

A4. Contractor(s) shall provide experienced jobsite supervision to ensure that components are installed in accordance with the structural drawings and standards of quality workmanship.

A5. Principal openings through structural components are shown on these drawings. The Contractor shall examine the project drawings for the required openings, as he shall provide for all openings whether or not shown on the structural drawings, and shall verify size and location of all openings with other project requirements. Any deviation from the openings shown on the structural drawings shall be brought to PSE's attention for approval.

A6. Alternate connection details may be used if such details are submitted to PSE for review and written acceptance is granted. However, PSE shall be the sole judge of acceptability and the contractor's bid shall anticipate the use of those specific details shown on the drawings. The contractor shall be responsible for the design of any alternate details which he proposes.

A7. Work not indicated on a part of the drawings but reasonably implied to be similar to that shown at corresponding places, shall be included. Do not scale from drawings.

A8. The contractor shall be completely responsible for the safety of adjacent structures, property, and the public. The contractor shall comply with all Federal, State, and Local requirements.

A9. All contractors are required to examine the drawings and specifications carefully, visit the site and fully inform themselves as to all existing conditions and limitations, prior to submitting their bid. Failure to visit the site and familiarize themselves with the existing conditions and limitations will in no way relieve the successful bidder from furnishing any materials or performing any work in accordance with drawings and specifications (with no additional cost to the Owner).

A10. Except where noted on the structural drawings, see architectural drawings and Morox drawings for dimensions and locations of new materials.

A11. Where conflicts exist between codes, specifications, or drawings, the more stringent requirements shall govern. Notify PSE immediately when such conflicts are discovered.

A12. Fire code provisions are not contained on structural drawings. See other project documents for requirements.

A13. Substitutions for specified manufactured materials shall not be made without written approval from PSE. Manufactured materials shall be installed in accordance with manufacturer's requirements and recommendations.

A14. Submittals containing variations from the structural documents shall have such variations boldly labeled so that they may be specifically reviewed by PSE. Variations not labeled in this manner shall not be considered approved, regardless of the status indicated by the shop drawing submittal stamp.

A15. Stored materials shall be stacked on pallets in a manner that prevents distortion or damage, above the ground, covered and kept in a dry condition. New materials shall be installed plumb, level and square, unless noted otherwise.

A16. PSE has performed the structural design of the foundation components only for this project. Foundation documents do not contain provisions for non-structural features including fire protection, ADA disability access, drainage, emergency egress requirements, flashing, finishes, ventilation, watertightness, soundproofing, or any other sitework, architectural, mechanical, electrical or environmental features.

A17. At areas where existing structural components are uncovered and found to be inadequate, the contractor shall either properly reinforce the components or contact the Engineer (PSE) for the structural design of the modifications.

FOUNDATIONS

B1. The foundation design is based on recommendations contained in the Report of Geotechnical Engineering Investigation for the New Batting Cages at Portland Sports Center, prepared by R.W. Gillespie & Associates, Inc., in Saco, Maine dated August 29, 2004. Copies of this report will be made available to contractors. Contractor shall conform with recommendations in this report.

B2. All footing excavations are to be finished by hand. All finished foundation excavations shall be inspected by the project foreman. Reinforcement shall be inspected by Gillespie and Associates before any concrete is placed.

B3. Structural fill below slabs, adjacent to foundation walls and fill below footings shall conform to:

SCREEN OR SIEVE SIZE	PERCENT FINER BY WEIGHT
No. 4	90 % - 100%
No. 40	35 % - 70%
No. 200	0 % - 5%

B4. Structural fill shall be compacted in 6" (max) lifts to 95 % of its maximum dry density in accordance with ASTM D1557. Hand vibratory equipment shall be used to compact backfill adjacent to basement.

B5. Crushed stone shall consist of clean angular fragments of quarried rock with uniform quality and conform to MDOT 703.22 Type C. Maximum stone size shall be 1".

B6. Unless otherwise noted, all foundation units shall be centered under supported members.

B7. Where foundation elements are to have fill on both sides, each side shall be filled and compacted simultaneously, maintaining a common elevation such that compacted fill on one side of the foundation does not exceed more than 12" above the compacted fill on the other side.

B8. Contractor shall provide continuous drainage by mechanical methods to control surface and underground water as required during construction, so that all excavations are dry. Water level shall be maintained at 12 inches below bottom of excavations at all times.

B9. Perforated underdrain shall be placed at exterior walls at wall footings. Underdrains shall be sloped continuously at 1/16" per foot and discharge to daylight or manhole (see site drawings). Underdrains shall be schedule 35 PVC. Provide (2) 4" diameter outlets at locations approved by the geotechnical engineering firm and the civil engineering firm retained for the project.

B10. All holes in foundation walls shall have plastic sleeves. Coordinate size and locations of sleeves prior to placing concrete. Sleeves larger than 10" diameter shall have additional (2) #4 x 5' 0" rebar on 4 sides of sleeves.

B11. Shoring, bracing, or sheeting used to provide lateral support of excavations shall remain in place until all permanent structural systems at and below ground level are complete.

B12. Drain pipes shall not pass under or through wall footings. Lower footing by stepping to avoid interference (see typical stepped footing detail).

B13. Contractor shall take necessary precautions to avoid disturbing soil beneath footings. As a minimum, a smooth edge bucket shall be used for excavation of foundation walls.

B14. When excavating for new footings, contractor shall take the necessary precautions to avoid disturbing existing utilities which may exist below grade.

CONCRETE

C1. All concrete work shall conform to the latest edition of the ACI Building Code (ACI 318), Specifications for Structural Concrete for Buildings (ACI 301) and to the 2003 International Building Code. In case of conflict, the more stringent requirements shall govern.

C2. For locations listed below, concrete shall have 3/4" aggregate, 4 ½ -7% air entrainment, 2"-4" slump, Type I or II ASTM C-150 Portland Cement and designated compressive strength (fc) in 28 days as follows:

Slabs, Retaining Walls ..... 4000 psi
Piers, Foundation Walls ..... 3500 psi
Footings, Misc. Concrete ..... 3500 psi

Contractor shall not proceed with concrete placement until concrete mix design submittal has been reviewed and approved by the structural engineer. Water shall not be added to the concrete mix at the jobsite.

C3. A "foundation wall" shall be considered a "retaining wall" if final grade elevation on one side of wall is more than 15 inches above the final grade on the opposite side of wall.

C4. All concrete exposed to the weather shall contain 5 ½ -7% air entrainment admixture.

C5. All footings shall be placed monolithically. See typical details for construction joint requirements.

C6. Pipes or conduits placed in slabs on grade shall not be placed closer than 3 diameters on center and shall have an outside diameter less than 1/3 of the slab thickness.

C7. All keys shall be 2" x 4" (nominal) unless otherwise shown on the drawings.

C8. No concrete shall be cast until review and written approval of the reinforcing and embedded items have been obtained from the owner's representative.

C9. All exposed edges of concrete members shall be chamfered 3/4" unless shown otherwise on drawings.

C10. See architectural drawings for door and window openings, drips, washes, reglet, concrete finishes, masonry anchors, and for miscellaneous embedded plates, bolts, anchors, angles, etc. Refer to mechanical, electrical, and site drawings for other embedment requirements.

C11. See Architectural Drawings for top of slab elevations.

C12. Aluminum or copper components shall not be placed in concrete. No conduits shall be placed in slabs on metal deck.

C13. All embedments in concrete, including anchor bolts, shall be firmly secured by tie wire to prevent movement during concrete placement. Welding of embedments is not permitted.

C14. All concrete materials, reinforcement and forms shall be free from frost or debris.

C15. Concrete shall be maintained above 50 degrees F, and in moist condition for at least the first seven days after placement. Contractor shall provide blankets, tenting, and heat as necessary to ensure this condition exists. Contractor shall keep two operable concrete thermometers on site throughout concrete construction when temperatures are predicted to be less than 40 degrees F.

C16. Consolidate all concrete with a vibrator or other means recommended by ACI 301. Honeycombed surfaces will not be permitted.

C17. See architectural drawings for locations of floor drains. Slope slabs uniformly to drains (UON).

C18. Control joints in slabs on grade are mandatory. See typical details. Control joints in foundation walls, basement walls, and retaining walls are mandatory. See typical details.

C19. Coordinate concrete finish on floor slabs with owner's requirements and specifications.

C20. Concrete slabs, including those on steel deck, shall be placed so that slab thickness equals or exceeds thickness specified on drawings. This will require that slabs may not be dead level where supported by beams or trusses with camber.

C21. Curing compound for slabs shall be compatible with floor finishes.

C22. Maximum freefall of wet concrete during placement shall not exceed 5'-0".

C23. Slabs on grade shall contain ASTM C1116, Type III, ½" - 1½" long polypropolene fibers at a rate of 1.5 pounds (min.) per cubic yard unless steel reinforcement is specified.

C24. All cast-in-place concrete shall be tested by an independent and certified testing agency. Tests shall be performed on each day's concrete placement exceeding 5 cubic yards plus one set for each additional 50 cubic yards or fraction thereof. Concrete shall be tested for 7- and 28-day compression strength, concrete temperature, slump, and air entrainment in accordance with ASTM standard procedures.

REINFORCING FOR CONCRETE

D1. All concrete reinforcing bars shall conform to ASTM A615, Grade 60 except where noted. All reinforcing bars to be welded shall conform to ASTM A706.

D2. All welded wire fabric (w.w.f.) shall conform to ASTM A-185. 6x6 W.F. shall be provided in flat sheets.

D3. Detailing of concrete reinforcement and accessories shall be in accordance with ACI 315 -"Manual of Standard Practice for Detailing Reinforced Concrete Structures," latest edition.

D4. Provide and schedule with the shop drawings, all necessary accessories to hold reinforcing securely in position. Reinforcement supports shall be spaced not more than 4'-0" on center and shall consist of either pre-manufactured chairs or dense concrete brick units.

D5. All laps in W.W.F. shall be 1 1/2 mesh spaces or 0'-8", whichever is larger, and shall be wired together.

D6. Reinforcing bars may not be welded except where designated by PSE.

D7. Concrete protection for reinforcement shall be provided as follows (UON):

a. Surfaces cast against and permanently exposed to earth .... 3 inches (clear)

b. Formed surfaces exposed to earth or weather
#6 through #18 bars ..... 2 inches
#5 bars and smaller ..... 1 1/2 inches

c. Formed surfaces not exposed to earth or weather
Slabs, walls, joists ..... 3/4 inch
Beams, columns (including stirrups and ties) ..... 1 1/2 inches

See ACI 318-95, section 7.7.1, for conditions not listed.

D8. All hooks shown on drawings shall be standard hooks unless noted otherwise.

D9. Where continuous bars are called for, they shall run continuously around corners and lapped at necessary splices, or hooked at discontinuous ends. Lap lengths shall be as given in the splice and development table. Lap beam top bars at mid-span and beam bottom bars at supports, unless noted otherwise.

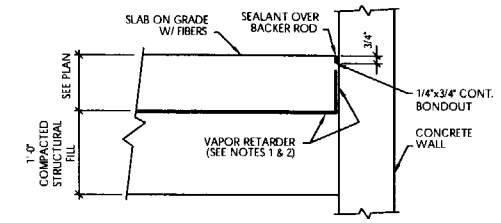
D10. Show foundation wall control joints on rebar shop drawings.

D11. Notify owner's representative in a timely manner so that installed reinforcement can be inspected. Installation of reinforcement shall be completed 24 hours before scheduled concrete placement.

D12. For slabs on grade with wire mesh, support wire mesh with dense concrete brick at 4'-0" o.c. each way.

LIST OF ABBREVIATIONS

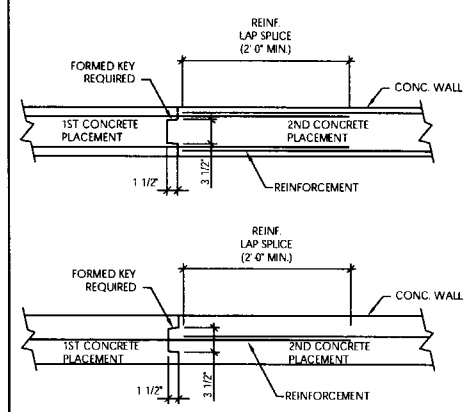
ADDL	Additional
ALT	Alternate
ALUM	Aluminum
AB	Anchor Bolt
ARCH	Architectural
BCX	Bottom Chord Extension
BOT	Bottom
BO	Bottom of
BOF	Bottom of Footing
BOS	Bottom of Steel
BM	Beam
BRG	Bearing
BPL	Bearing Plate
BS	Both Sides
BTWN	Between
CIP	Cast in Place Concrete
CL	Center Line
CLR	Clear
COL	Column
CONC	Concrete
CI	Control Joint
CMU	Concrete Masonry Unit
CONN	Connection
CONST	Construction
CONT	Continuous
DBA	Deformed Bar Anchor
DET	Detail
DIA	Diameter
DIM	Dimension
DWG	Drawing
EA	Each
EB	Expansion Bolt
EC	Epoxy Coated
EF	Each Face
EL	Elevation
EMBT	Embedment
EQ	Equally Spaced
EW	Each Way
EXG	Existing
FD	Floor Drain
FDN	Foundation
FF	Far Face
FG	Final Grade
FIN FLR	Finished Floor
FT	Foot
FTG	Footing
GA	Gauge
GALV	Galvanized
GC	General Contractor
HOR	Horizontal
HP	Height Point
ID	Inside Diameter
IF	Inside Face
IS	Joint Substitute
JT	Joint
L	Angle
LG	Long
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LOCNS	Locations
LP	Low Point
MAS	Masonry
MAX	Maximum
MDOT	Maine Dept. of Transportation
MECH	Mechanical
MFR	Manufacturer
MIN	Minimum
MISC	Miscellaneous
N&W	Nut & Washer
NF	Near Face
NIC	Not in Contract
NSNS	Nonshrink, Non-stain
NTS	Not to Scale
OC	On Center
OD	Outside Diameter
OF	Outside Face
OH	Opposite Hand
OPG	Opening
PAF	Power Activated Fastener
PCF	Pounds per Cubic Foot
PF	Preformed Joint Filler
PLY	Plywood
PROJ	Projection
PSF	Pounds per Square Foot
PSI	Pounds per Square Inch
PVC	Polyvinyl Chloride
RAD	Radius
RD	Roof Drain
REINF	Reinforcement
REQD	Required
SCHED	Schedule
SECT	Section
SF	Square Foot
SIM	Similar
SOG	Slab on Grade
SP	Spaces
SPEC	Specification
SQ	Square
SS	Stainless Steel
STD	Standard
STL	Steel
T&B	Top and Bottom
TCS	Top Chord Extension
TEMP	Temperature
THD	Threaded
TJ	Tie Joist
TO	Top of
TOC	Top of Concrete
TOF	Top of Footing
TOG	Top of Grout
TOW	Top of Wall
TS	Structural Steel Tube (Rectangular)
TYP	Typical
UON	Unless Otherwise Noted
VERT	Vertical
VIF	Verify in Field
W/	With
WP	Working Point
WS	Web Stiffener
WWF	Welded Wire Fabric
ZRC	Zinc Rich Coating



NOTES:

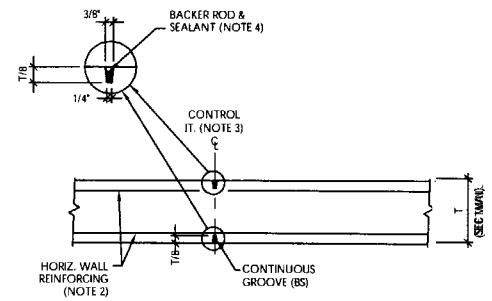
1. Tape all joints, install pipe boots, and seal all vapor retarder penetrations per manufacturer's recommendations. Verify that permeance of vapor retarder conforms to the limitations and requirements set by the manufacturer furnishing floor finish materials.
2. Vapor retarder shall be Stego Wrap (10 mil thickness) by Stego Industries, LLC (tel. 207-775-5764) polyolefin geomembrane, or SoccoShield VB-15 (tel. 888-278-2672) polyolefin geomembrane or approved equal.
3. Water shall not be added to concrete for slab at project site. Remove bleedwater prior to trowelling. Avoid overtrowelling during finishing.
4. Construct wind barriers if winds greater than 10 mph are expected either during concrete placement or within 24 hours after placement.
5. Continuous moist curing of slab surface shall begin as soon as possible after placement (within 12 hours) and continue for 7 days. Dissipating curing compound may be used only if it is verified to be compatible with floor finish materials prior to slab installation.

C8 / S1.0 TYPICAL SLAB ON GRADE (SOG) DETAIL
NTS



NOTE:
Locate wall construction joints at wall control joint locations - see Detail H8 / S1.0.

H8 / S1.0 TYPICAL CONSTRUCTION JOINT IN WALL
NTS



NOTES:

1. Wall control joints shall be located as follows:
   a. 10'-0" from building corners.
   b. 30'-0" o.c. maximum spacing.
   c. At foundation wall notches adjacent to doors (where possible).
2. Cut and stop every other bar extending through control joint.
3. Locations of wall control joints shall be clearly dimensioned on rebar shop drawings.
4. Backer rod and sealant required at basement and retaining walls only. Sealant shall be Sonneborn NP-2 or approved equal.

H8 / S1.0 TYPICAL FOUNDATION WALL CONTROL JOINT (CJ)
NTS

ISSUED FOR PERMIT ONLY

PRELIMINARY
NOT FOR CONSTRUCTION

UNDER NO CIRCUMSTANCES SHALL THIS DRAWING BE USED TO DEVELOP SHOP DRAWINGS OR FABRICATE NEW MATERIALS. SHOP DRAWINGS PREPARED USING THIS DRAWING WILL BE REJECTED WITHOUT REVIEW.

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Fax: (207)774-4016
www.CWSarch.com

Price Structural Engineers

FROZEN ROPES/NOTES.dwg

ISSUED
ISSUED FOR PERMIT
OCTOBER 22, 2004

Project:
FROZEN ROPES SPORTS CENTER
Warren Avenue
Portland, Maine

Contractor:
DESTEFANO AND ASSOCIATES, INC.
2456 LaFayette Road
Portsmouth, NH 03801
(603) 430-0339

Drawing Title:
STRUCTURAL FOUNDATION NOTES AND TYPICAL DETAILS

Scale: As Noted
Date: 10/15/04
PSE Project No.: 038-04
Revisions:
△

Drawing Number:
S1.0