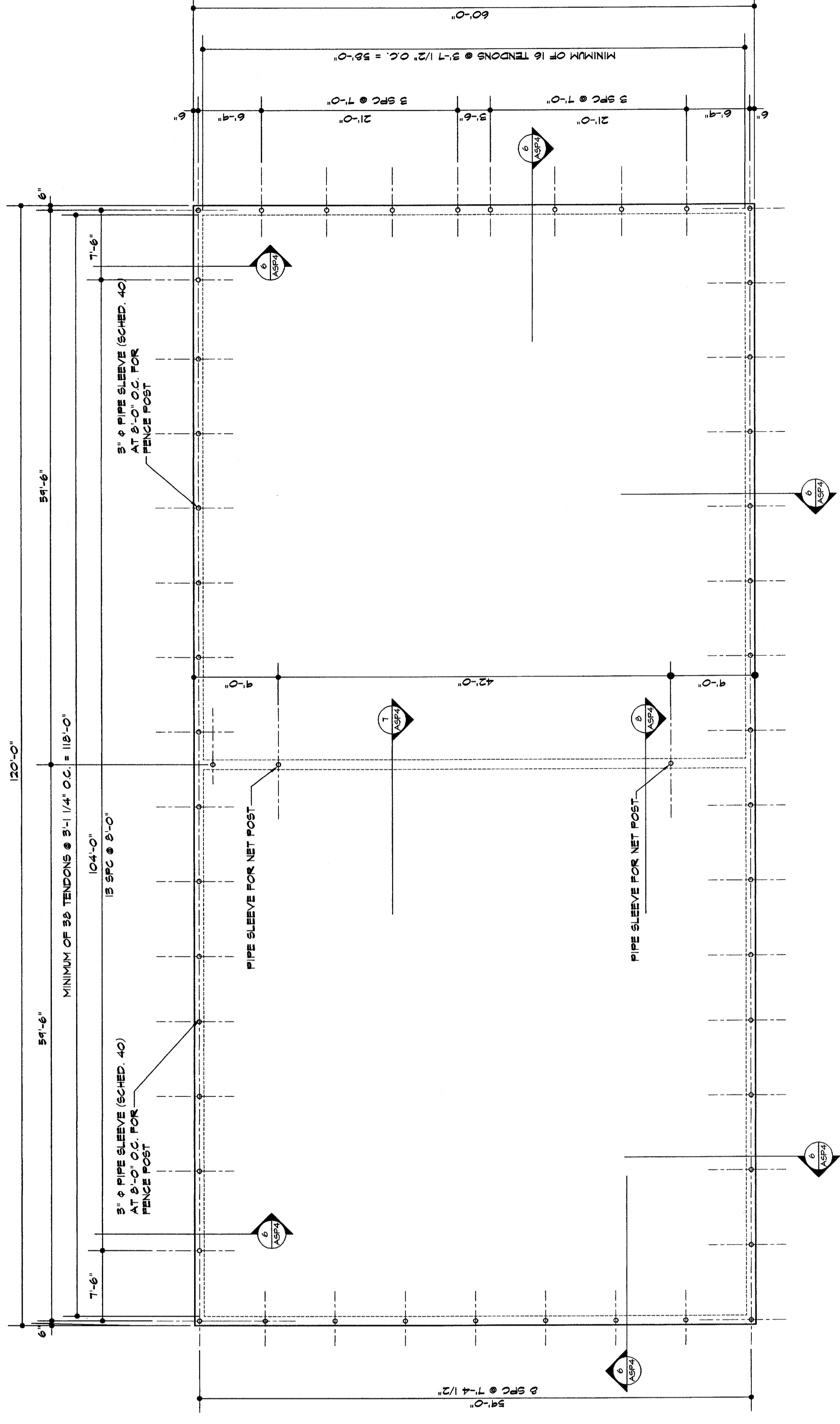
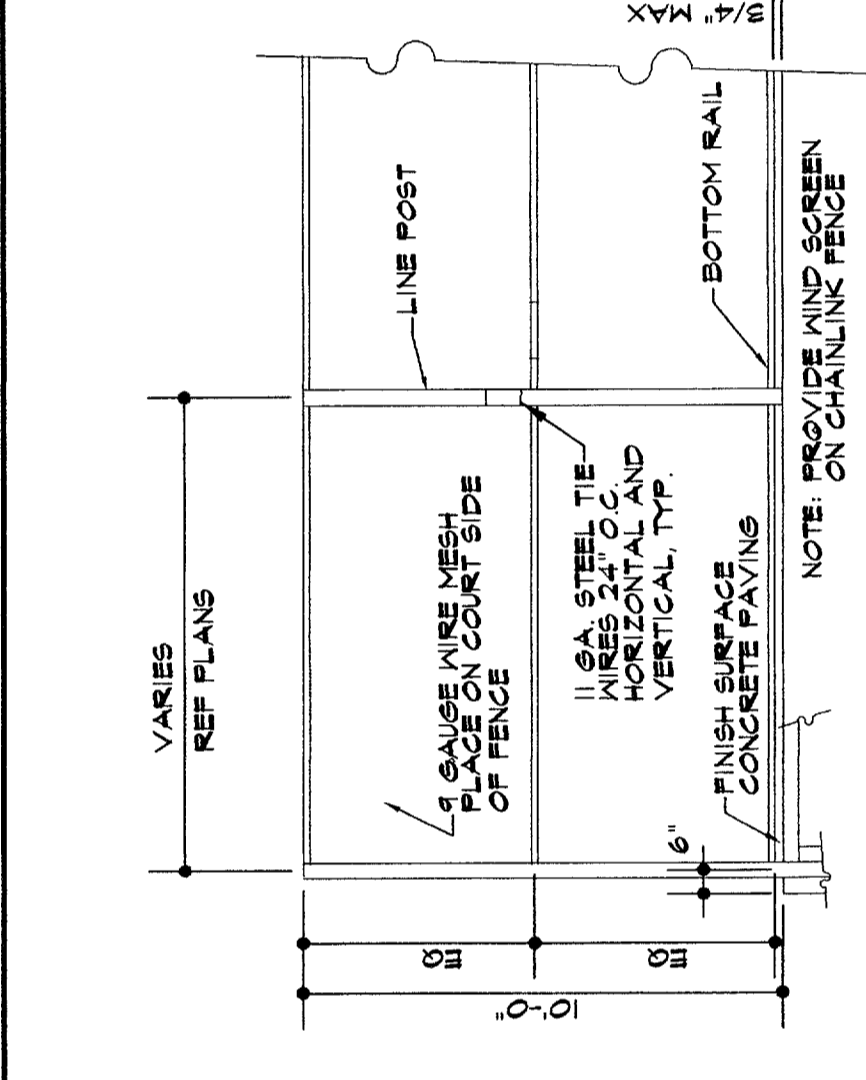


1 site plan - tennis court - alternate 5

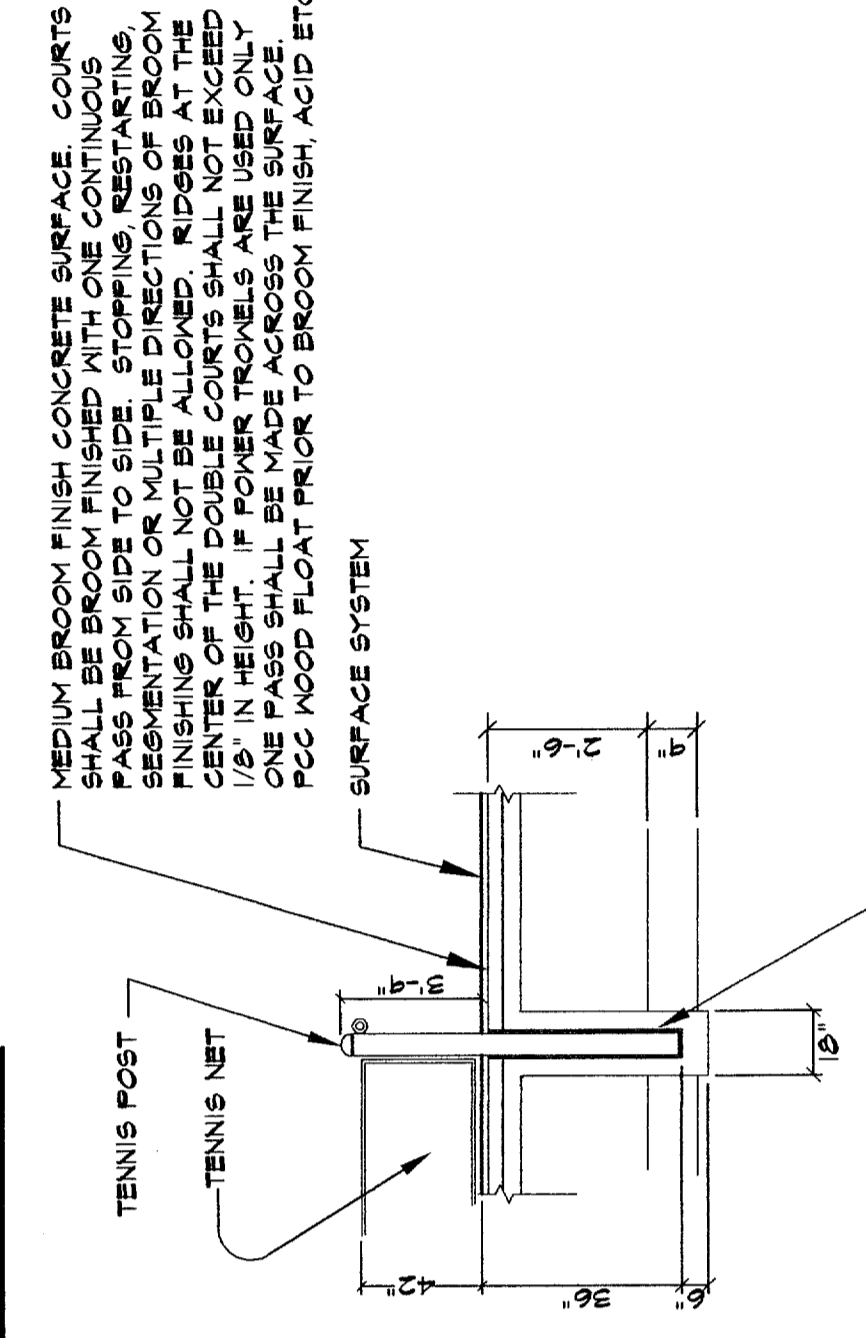


3 foundation plan - tennis court - alternate 5

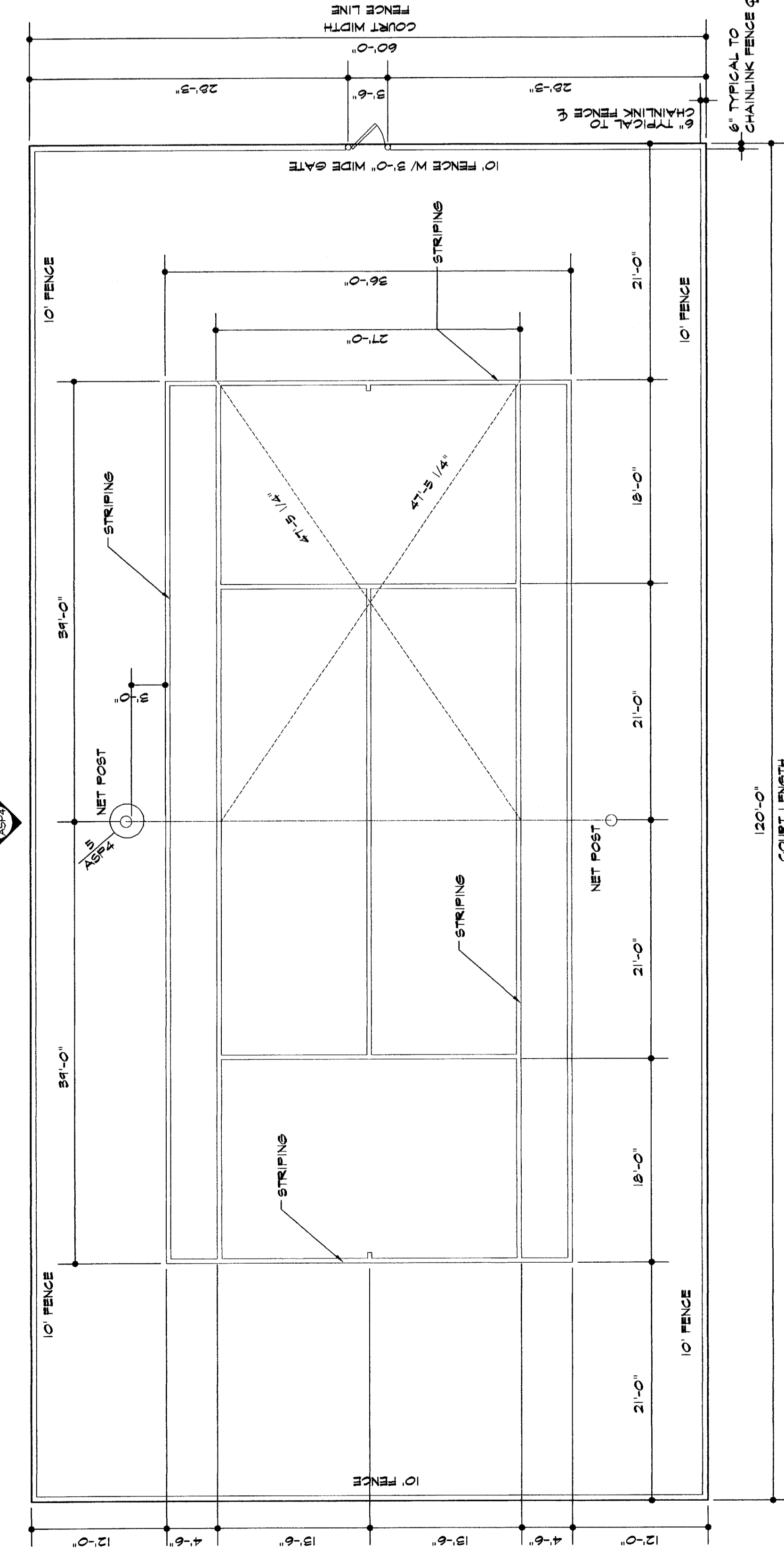


4 elevation - alternate 5

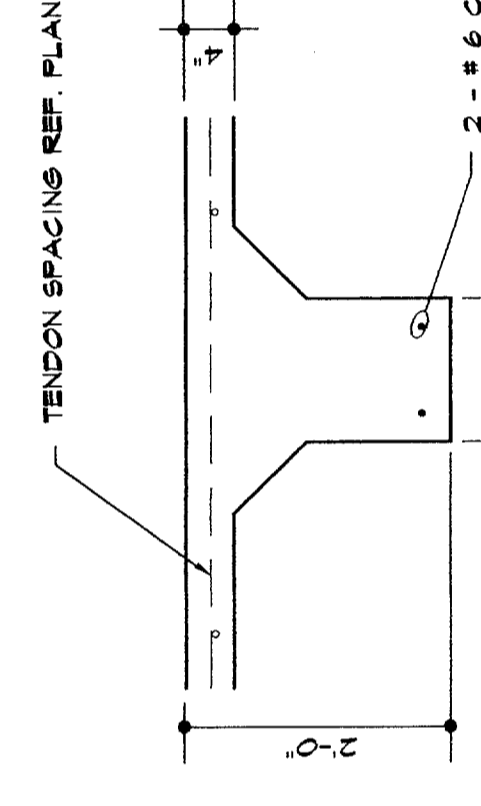
5 section - tennis court



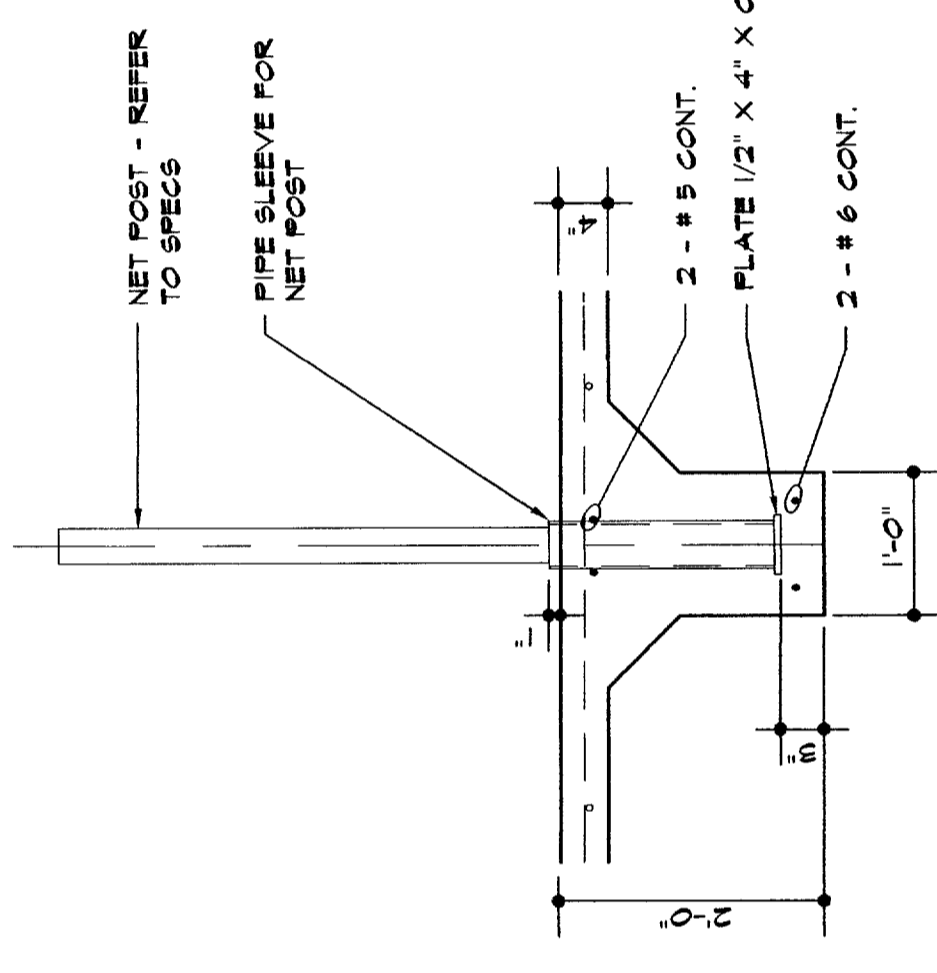
6 foundation details



2 tennis court plan - alternate 5



7 foundation details



8 foundation details

- GENERAL POST-TENSION NOTES:**
- SCOPE OF WORK INCLUDES ALL DESIGN WORK, ENGINEERING, & CONSTRUCTION OF THE POST-TENSIONED SLAB AT THE TENNIS COURT.
  - ALL POST-TENSIONING CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RECORDS FOR THE CONCRETE SLAB & SHALL BE CONSIDERED THE ENGINEER OF RECORD FOR THE CONCRETE SLAB.
  - PRESTRESSING STEEL SHALL BE SEVEN-WIRE STRESS-RELIEVED WITH AN 18% TENSILE STRENGTH. THE TENSILE STRENGTH SHALL BE MINIMUM TENSILE STRENGTH = 270 KSI.
  - STRANDS SHALL BE COATED WITH A PREVENTIVE MASTIC AND DAMAGED SHEATHING SHALL BE PATCHED BEFORE CASTING CONCRETE.
  - ALL ANCHORING HARDWARE SHALL MEET THE MINIMUM REQUIREMENTS SET FORTH IN ACI 308-88 SECTION 18.17.
  - ALL SLAB CHAIRS SHALL BE MINIMUM 2 INCHES FROM ALL EDGES BETWEEN PARALLEL TENDONS IN SLABS.
  - ANY MORE THAN THREE INTERLACED TENDONS SHALL BE DISTRIBUTED DIAGONALLY ON ANY TENDON SHALL BE NO MORE THAN THREE FEET.
  - PROPER PLACEMENT OF POST-TENSION TENDONS SHALL HAVE THE CENTER OF GRAVITY OF CONCRETE AND ANCHORED STEEL REINFORCEMENT IS OBTAINED FROM APPROVAL BY THE STRUCTURAL ENGINEER.
  - SUFFICIENT SUPPORT STEEL SHALL BE PROVIDED, THESE BARS AND TENDONS SHALL BE MAINAINED AND A MINIMAL TENDON RECOVERY IS PREVENTED DURING CONCRETE PLACEMENT.
- GENERAL CONCRETE NOTES:**
- CONCRETE WORK SHALL BE EXECUTED IN STRICT ACCORDANCE WITH THE LATEST AMERICAN CONCRETE INSTITUTE BUILDING CODE (ACI 318).
  - CONCRETE SHALL BE 4000 PSI STRENGTH. ALL SLABS SHALL BE 4000 PSI STRENGTH. HARD ROCK.
  - USE MINIMUM COURSE AGGREGATE SIZE OF 1 1/4" AND TO ABRASION AND C 30 FOR SLABING.
  - ALL CONCRETE EXPOSED TO THE WEATHER SHALL HAVE 5% TO 6% AIR CONTENT.
  - CONSTRUCTION JOINTS WHEN NECESSARY SHALL OCCUR NEAR THE MIDDLE OF THE SPAN UNLESS A BEAM INTERFERES AT THIS POINT. TAKE THE MEASURE OF THE BEAM. ENGINEER SHALL APPROVE THE LOCATION OF JOINTS FOR TRANSFER OF SHEAR AND OTHER FORCES THROUGH THE JOINT.
  - FINISH SHALL BE BROOKY FINISH.

- GENERAL REINFORCEMENT NOTES:**
- ALL REINFORCEMENT SHALL CONFORM TO ASTM A-615 GRADE 60 REINFORCING STEEL SHALL BE DESIGNED, DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI MANUAL OF CONCRETE REINFORCEMENT PRACTICE AND THE ACI RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS LATEST EDITION.
  - SLICES IN REINFORCEMENT SHALL OCCUR AT POINTS OF MINIMUM MOMENT.
  - MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:
- |                |                 |
|----------------|-----------------|
| GRADE BARS     | 2" FROM BOTTOM  |
| SLABS ON GRADE | 1 1/2" FROM TOP |
- PROVIDE CORNER BARS AT ALL CORNERS. SAME SIZE AND SPACING AS LARGER REINFORCEMENT.
- NOTE:**
- PRECAST SLAB FROM SHrinkage Cracking During Curing Process. USE CURING COMPOUND OR COVER MATERIAL.
  - INSTALL VAPOR BARRIER.
  - SURFACE VARIATION NOT TO EXCEED 1/8" IN 10'-0" WHEN MEASURED IN ANY DIRECTION WITH STRAIGHT EDGE OR SLOPE 1 IN 10'-0" ALL IN ONE PLANE.

ISSUE DATE	REVISIONS
FEB. 20, 2002	

