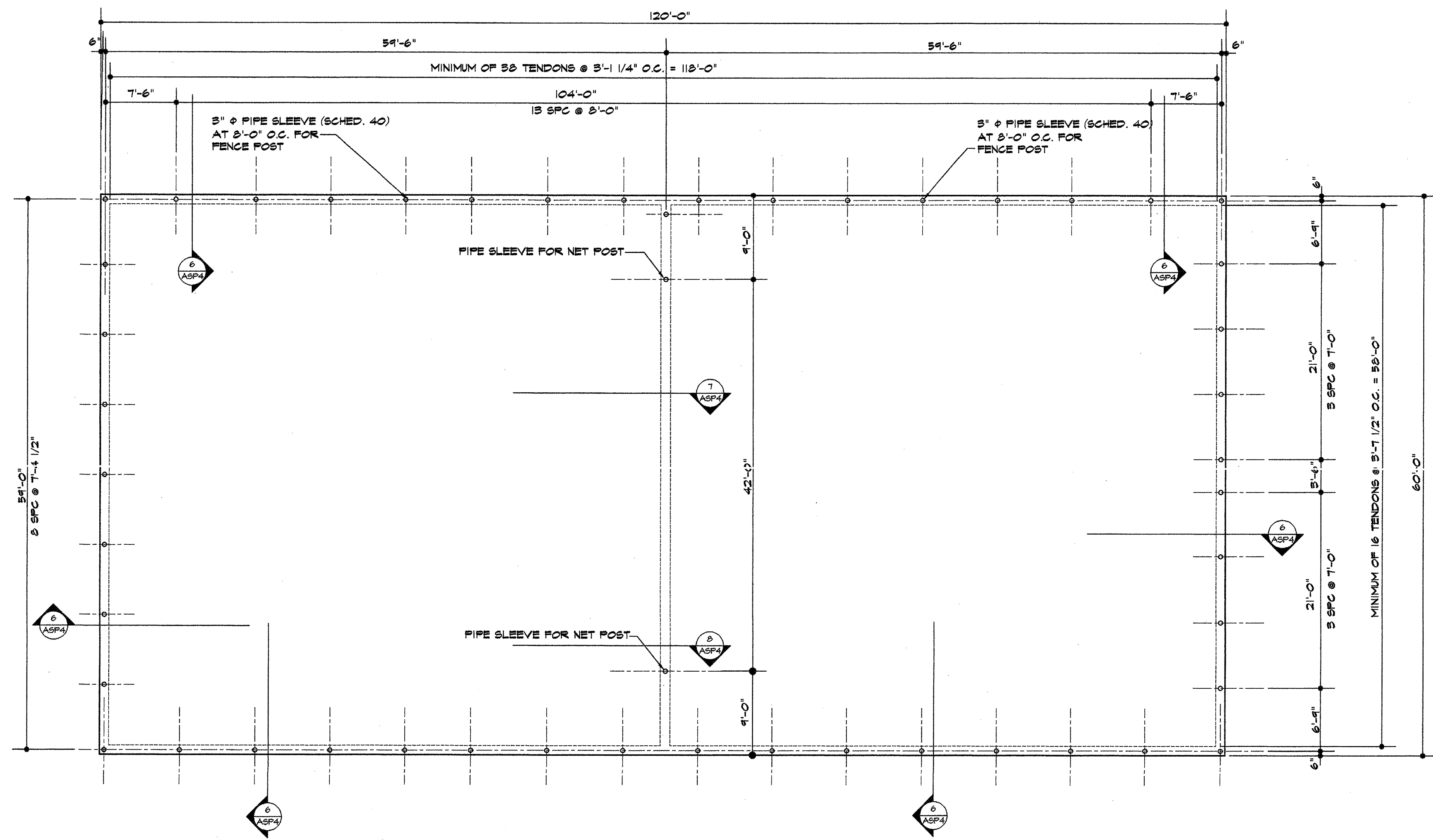
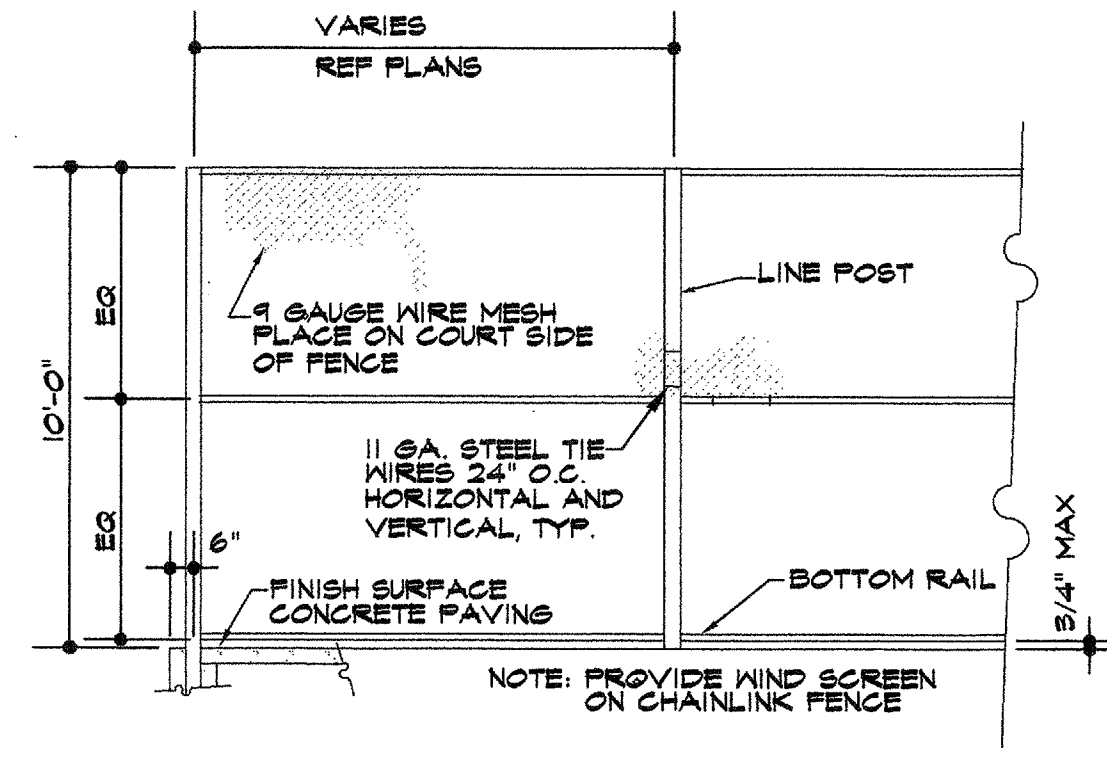


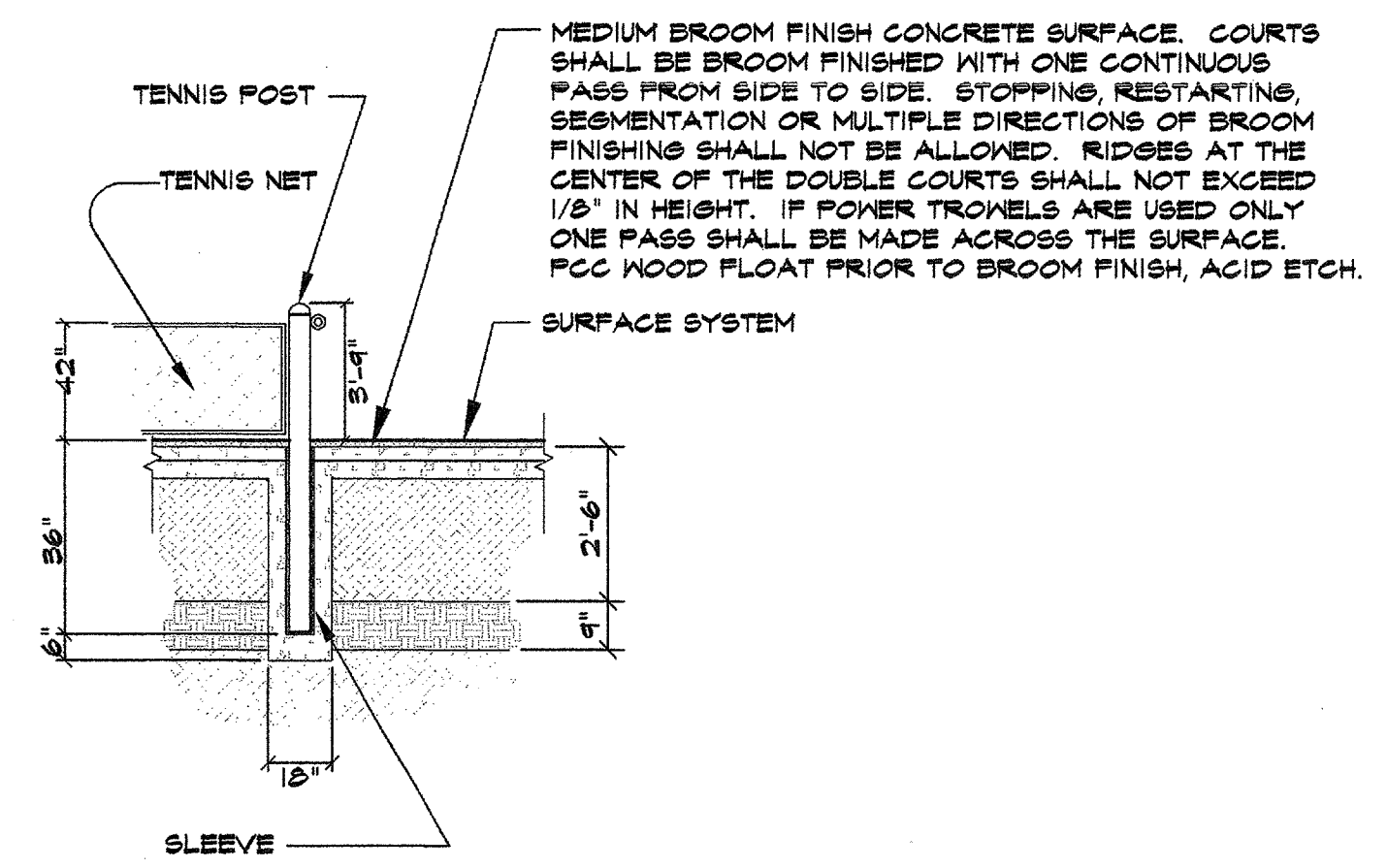
1 site plan - tennis court - alternate 5
1"=20'-0"



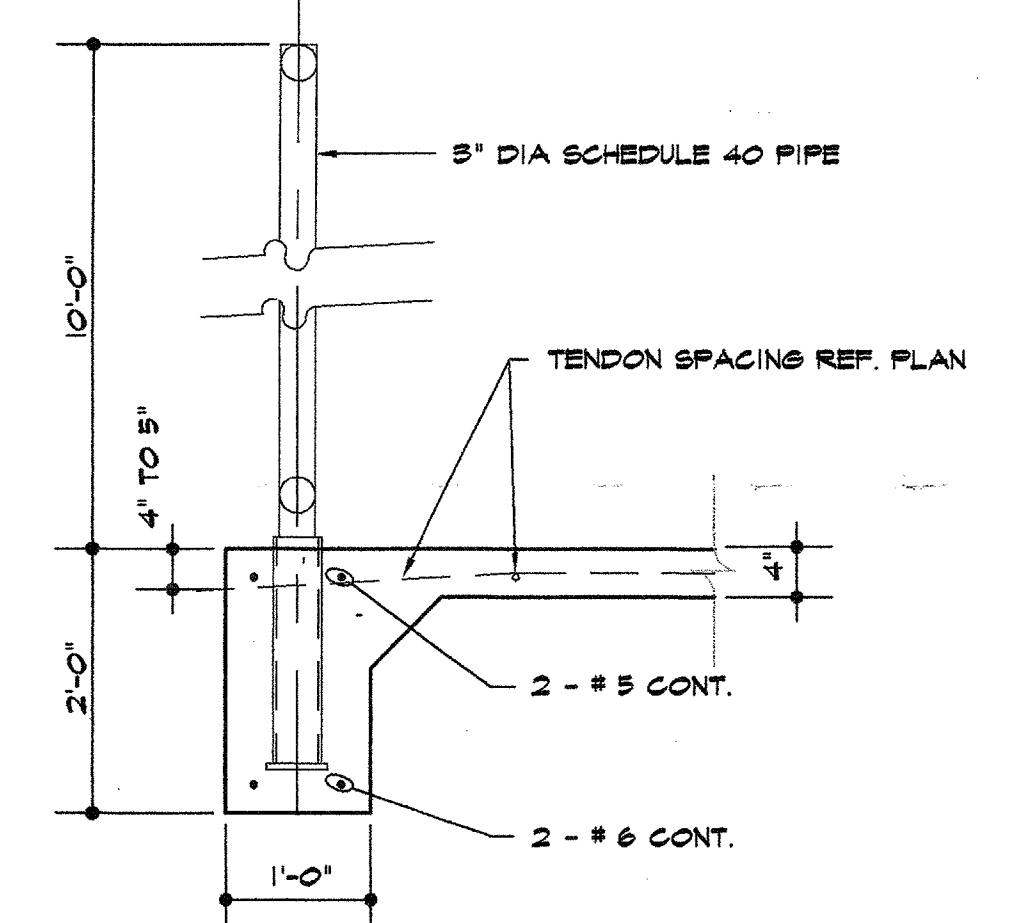
3 foundation plan - tennis court - alternate 5
1/8"=1'-0"



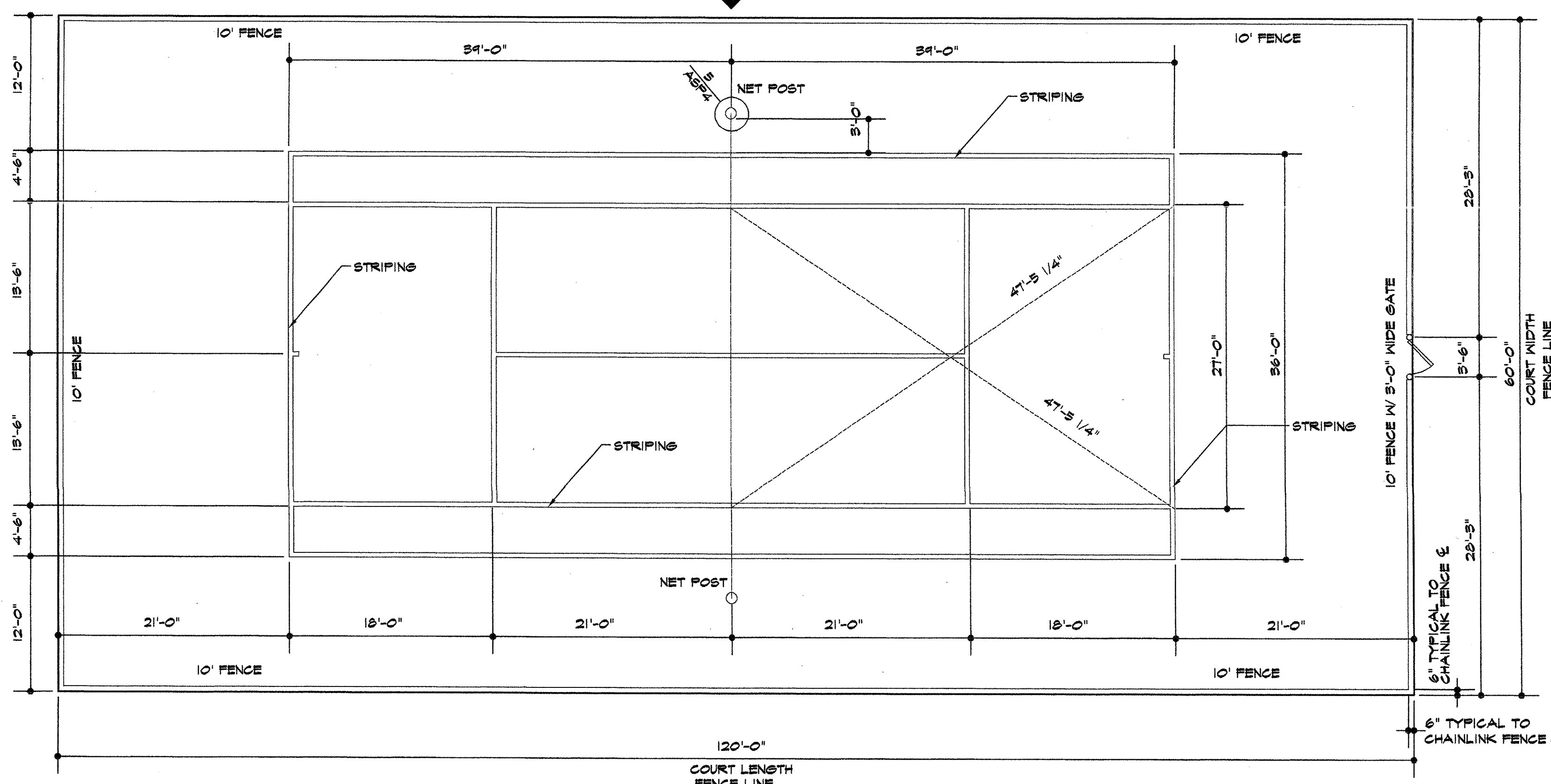
4 elevation - alternate 5
1/4"=1'-0"



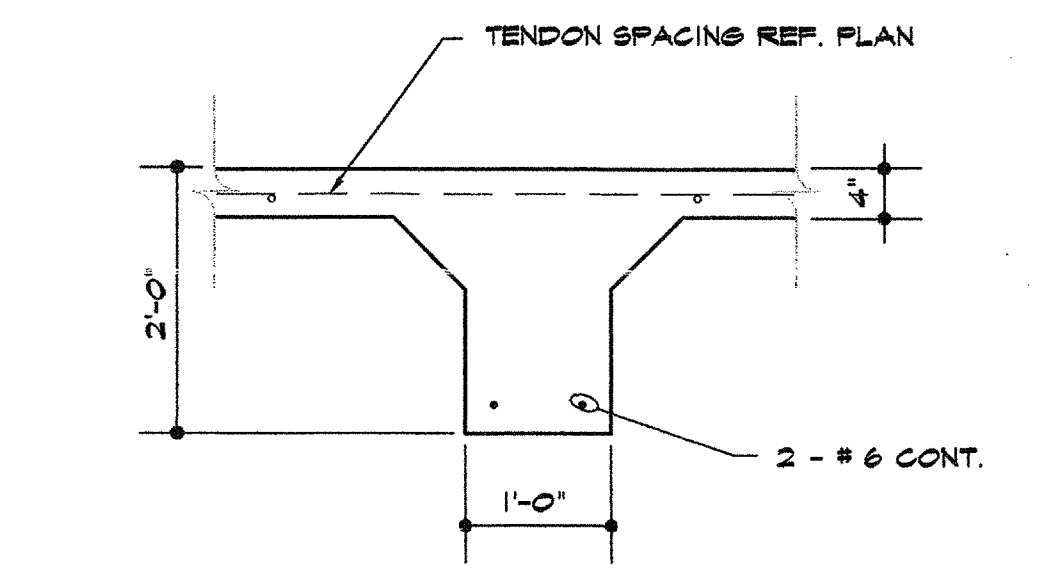
5 section - tennis court
1/4"=1'-0"



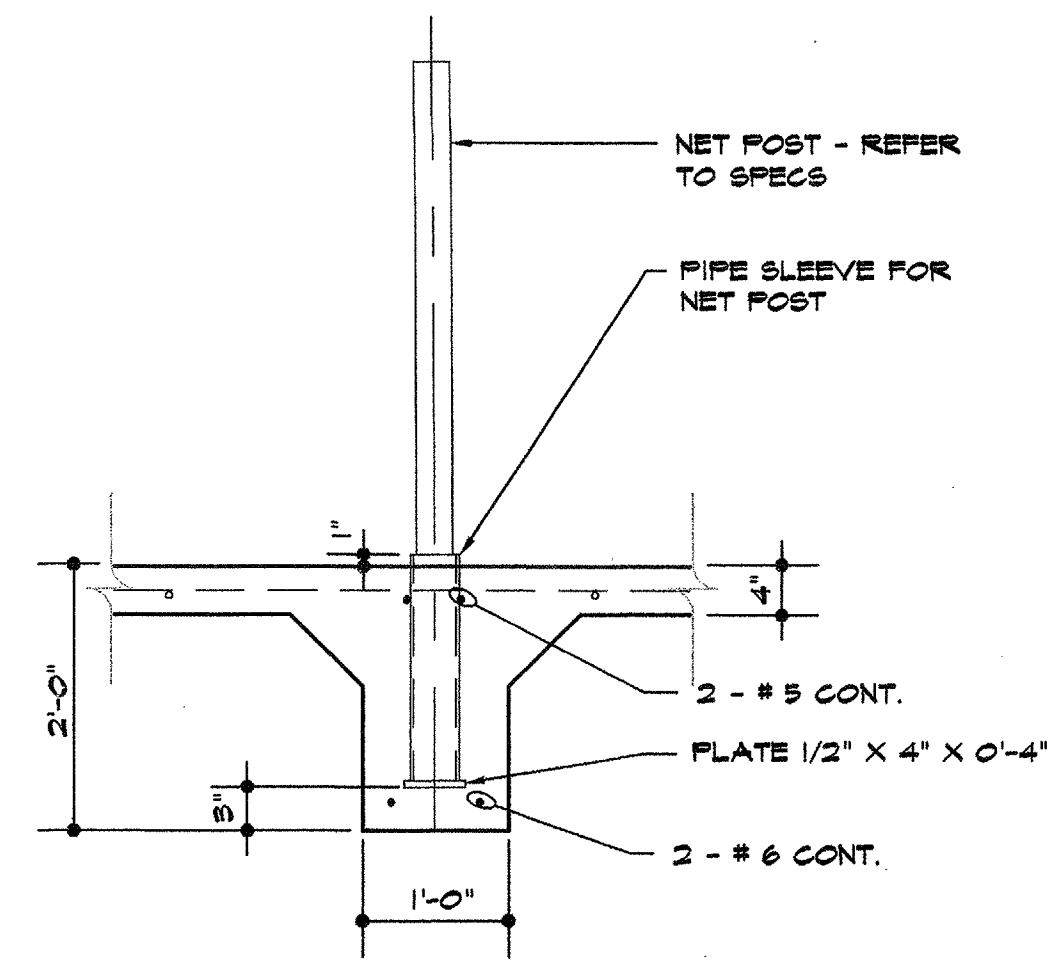
6 foundation details
3/4"=1'-0"



2 tennis court plan - alternate 5
1/8"=1'-0"



7 foundation details
3/4"=1'-0"



8 foundation details
3/4"=1'-0"

- GENERAL POST-TENSION NOTES:**
- SCOPE OF WORK INCLUDES ALL DESIGN WORK, ENGINEERING, & CONSTRUCTION OF THE POST-TENSIONED SLAB AT THE TENNIS COURT.
 - THE POST-TENSIONING CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR ALL ENGINEERING & DESIGN WORK ASSOCIATED WITH POST-TENSIONED CONCRETE SLAB & WILL BE CONSIDERED THE ENGINEER OF RECORD (EOR).
 - PRESTRESSING STEEL SHALL BE SEVEN-WIRE STRESS-RELIEVED STRAND FOR PRESTRESSED CONCRETE MANUFACTURED IN ACCORDANCE WITH ASTM A421 AND FREE FROM CORROSION. THE TENDONS SHALL HAVE THE FOLLOWING PROPERTIES:
MINIMUM ULTIMATE TENSILE STRENGTH = 270 KSI;
NOMINAL DIAMETER = 1/2 INCH
AREA = 1.55 SQ. IN.
MODULUS OF ELASTICITY = 29,000 KSI
MAXIMUM TENSILE FORCE = 29.9 KIPS
MINIMUM FINAL EFFECTIVE FORCE = 24.5 KIPS
 - STRAND SHALL BE COATED WITH A RUST PREVENTIVE MASTIC AND ENCLOSED IN AN EXTRUDED PLASTIC SHEATHING. TORN OR DAMAGED SHEATHING SHALL BE PATCHED BEFORE CASTING CONCRETE.
 - ALL ANCHORING HARDWARE SHALL MEET THE MINIMUM REQUIREMENTS SET FORTH IN ACI 318-95 SECTION 19.11.
 - TENDONS SHALL BE LOCATED AT LEAST 4 INCHES FROM ALL EDGES AND SLAB OPENINGS. PROVIDE MINIMUM 2 INCH CLEAR SPACE BETWEEN PARALLEL TENDONS IN SLABS.
 - WHERE SLAB TENDONS ARE INTERRUPTED BY OPENINGS IN THE SLAB, NO MORE THAN THREE INTERRUPTED TENDONS SHALL BE DISTRIBUTED AROUND EACH SIDE OF THE OPENING. THE MAXIMUM LATERAL DISPLACEMENT OF ANY TENDON SHALL BE NO MORE THAN THREE FEET.
 - PROPER PLACEMENT OF POST-TENSIONING TENDONS SHALL HAVE PRIORITY OVER ANY TYPE OF CONDUIT AND ANY MILD STEEL REINFORCEMENT UNLESS PRIOR APPROVAL BY THE STRUCTURAL ENGINEER IS OBTAINED.
 - SUFFICIENT SUPPORT STEEL SHALL BE PROVIDED. THESE BARS AND CHAINS SHALL BE FIRMLY SECURED TO ASSURE THAT THE PROPER TENDON PROFILE IS MAINTAINED AND LATERAL TENDON MOVEMENT 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 SPECIFICATIONS SHALL BE AS FOLLOWS:
LOCATIONS 28 DAY AGGREGATE SLUMP ALL 4000 PSI HARD ROCK 3" TO 4"
 - USE MAXIMUM COURSE AGGREGATE SIZE OF 1 1/4" AND AGGREGATES SHALL MEET ASTM C 131 FOR RESISTANCE TO ABRASION AND C 83 FOR GRADING.
 - ALL CONCRETE EXPOSED TO THE WEATHER SHALL HAVE 5% TO 6% AIR ENTRAINMENT.
 - CONSTRUCTION JOINTS WHEN NECESSARY SHALL OCCUR NEAR THE MIDDLE OF THE SPAN UNLESS A BEAM INTERSECTS AT THIS POINT. IN WHICH CASE THE JOINT SHALL BE OFFSET A DISTANCE EQUAL TO THREE TIMES THE WIDTH OF THE BEAM. ENGINEER SHALL APPROVE PROVISIONS FOR TRANSFER OF SHEAR AND OTHER FORCES THROUGH THE JOINT.
 - FINISH SHALL BE BROOM FINISH.

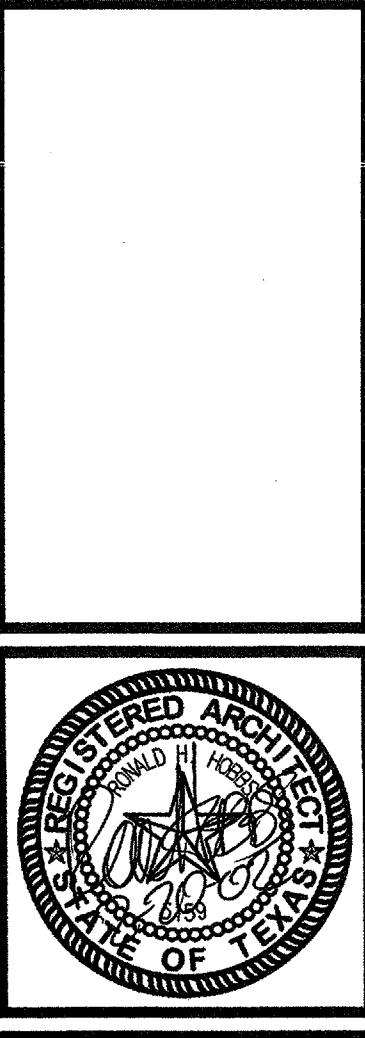
- GENERAL REINFORCEMENT NOTES:**
- ALL REINFORCEMENT SHALL CONFORM TO ASTM A-615 GRADE 60.
 - REINFORCING STEEL SHALL BE DESIGNED, DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 318) AND THE CRSI RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS LATEST EDITION.
 - SPICES IN REINFORCEMENT SHALL OCCUR AT POINTS OF MINIMUM STRESS AND LAP 50 BAR DIAMETERS MINIMUM UNLESS NOTED.
 - MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:
GRADE BEAMS ... 3" FROM BOTTOM
... 2" FROM TOP AND SIDES
SLABS ON GRADE ... 1 1/2" FROM TOP
 - PROVIDE CORNER BARS AT ALL CORNERS SAME SIZE AND SPACING AS LARGER REINFORCEMENT.
- NOTE:**
- PROTECT 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
FEB. 20, 2002

REVISIONS

**ADDISON ATHLETIC CLUB EXPANSION
AND
LEISURE POOL**
ADDISON, TEXAS

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JOB NUMBER
0012

SHEET NAME
DIMENSION
SITE PLAN
SHEET NUMBER
ASP4