

Bid Specifications  
Tennis Courts  
Madison County Recreation Park

Location:

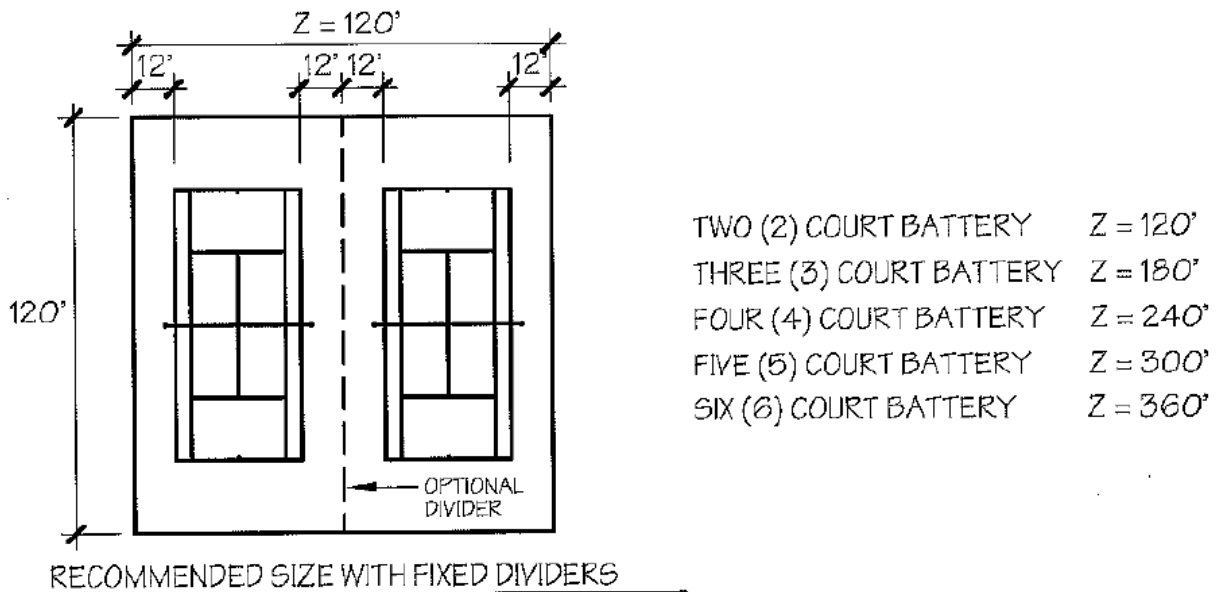
The tennis courts shall be constructed at the Madison County Recreation Park, which is located approximately 3 miles west of the City of Madison. The courts shall be built at the park in the location and orientation as depicted on the map labeled Exhibit A. The map is for location purpose only and is not drawn to scale.

Site Preparation:

Top soil will be removed by the County prior to construction. The County will bring in fill as needed, compact the site, and grade to 1% from end to end, or side to side. Contractor shall maintain the same direction of slope as established by the County in the rough grading.

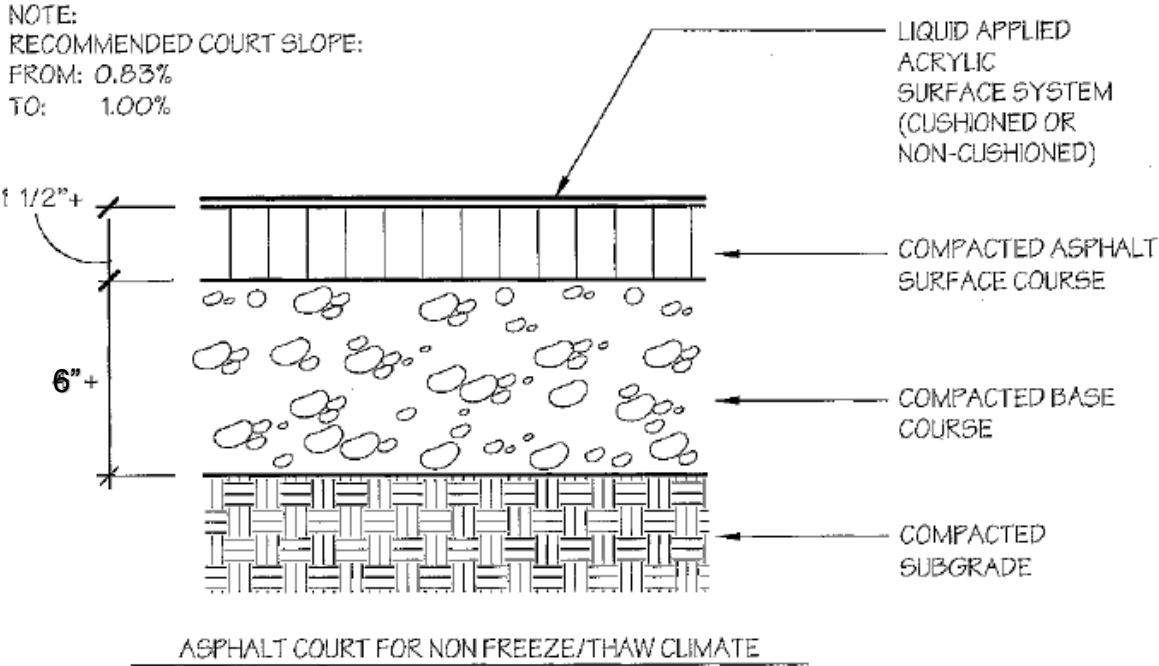
Court Dimensions:

The courts shall be full size 78 foot courts as depicted below.



**Hard Court Asphalt Surface:**

The County shall provide and deliver the lime rock base course material to the construction site. The material shall meet the Florida Department of Transportation's standard for roadway construction. The Contractor shall spread and compact the lime rock base material to within the minimum and maximum slopes. The final thickness of the compacted lime rock shall be a minimum of 6 inches. The Contractor shall be responsible for the purchase, transportation, placement, and compaction of a minimum of 1.5 inches of asphalt mix. The 1.5 inches refers to the depth of asphalt after final compaction. The asphalt mix shall be equal to or better than SP12 and shall meet the Finish Asphalt Pavement Guidelines Listed below and on pages 3 and 4.



## **Finished Asphalt Pavement Guidelines**

Traditionally, guidelines have suggested simply that the finished surface of a tennis court should not vary more than x inches and y feet from a true plane. In actuality, there are at least four separate measures that can be made for the accuracy of the installation of a hard surface court:

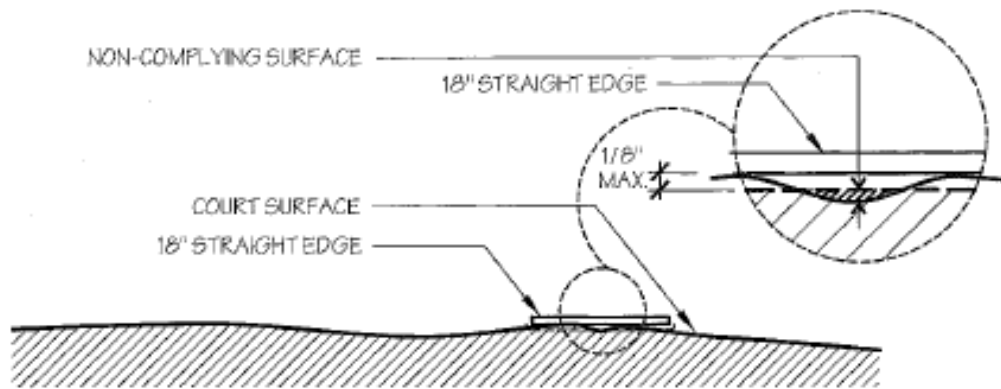
**Slope**—Asphalt courts are sloped in a true plane a minimum of .83% (1:120) to a maximum of 1.00% (1:100). Side to side is the preferred direction of slope; however, it can also be end to end or corner to corner if side to side cannot be achieved. Consideration should be given to sloping indoor courts slightly to aid in removal of water when washing the courts.

**Planarity**—Planarity is the degree to which a surface is constructed as designed in one true plane. The surface also must be located at the designed elevation and slope because the elevation and grade of the surface tie it into the drainage system. According to the ITF, the finished court should not vary more than +/- 3/8" from the designed elevation within the Primary Playing Area. Planarity and slope are commonly measured with a transit or laser level.

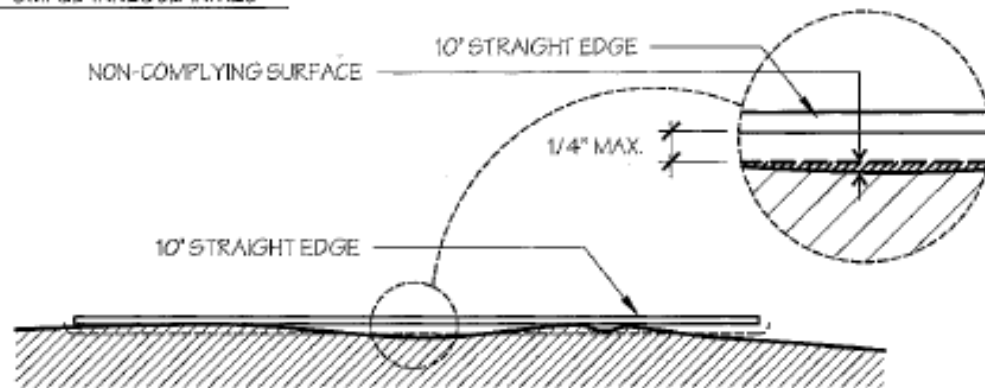
**Evenness**—In order to drain properly and to be acceptable for play, a surface must be smooth and regular, lacking humps and dips. An even surface will not cause ball deflection or create a player tripping hazard. As a measure of evenness, the surface should not vary more than 1/4" in 10' when measured in any direction using a straightedge.

**Small Irregularities**—Small deviations over a large distance that fall within the evenness standard will not affect player movement or ball bounce, but small deviations over a short distance, such as those caused by irregular seams, expanded aggregate or roller marks, may affect play. For that reason, a third measure—no deviation in the asphalt surface greater than 1/8" in 18"—should be considered.

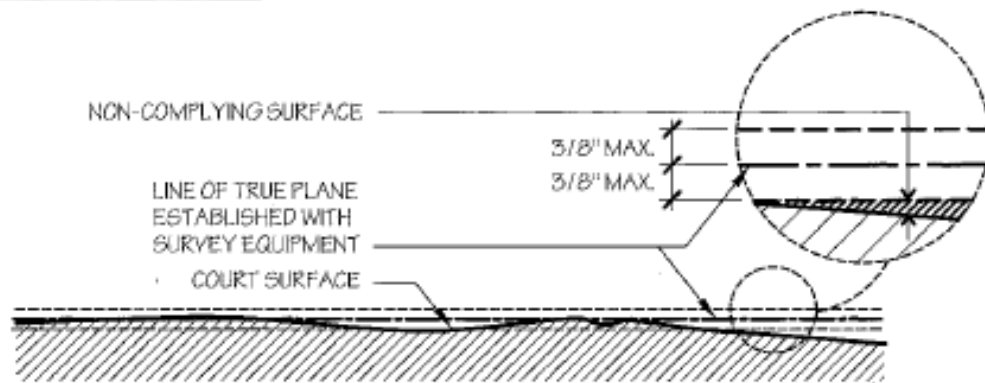
Once construction of the asphalt pavement is completed, the asphalt should be allowed to thoroughly cure. Color coatings won't bond effectively or evenly to an inadequately cured surface. Curing may take from 14 to 30 days, depending upon site conditions and weather conditions, composition of the asphalt and the recommendations of the manufacturer of the surface coating.



SMALL IRREGULARITIES



CHECKING EVENNESS



CHECKING PLANARITY

ILLUSTRATION OF HOW TO CHECK  
PLANARITY, EVENNESS & IRREGULARITIES

NOT TO SCALE

## Exterior Perimeter Fence

Contractor shall furnish and install a 10 foot high chain link fence around the entire perimeter of the courts as shown in Exhibit A. The fence shall be installed to the edge of the asphalt pavement. The fence shall be 1-3/4", 9-gauge wire mesh fastened to each post, and the top rail, mid rail and bottom rail no less than 12" on center, with zinc coated steel wire ties. All wire and post shall be galvanized, free of sharp barbs and shall be knuckle to knuckle (not twisted). The fence framework shall be as shown below. Each post shall be encased in a cylindrical concrete footing. The footings for the fence shall be not less than 10" in diameter, or four times the post diameter and no less than 36 inches deep. Two 4-foot wide walk gates shall be installed on the north and south end as shown in Exhibit A.

### TOP AND BOTTOM RAIL:

SIZE: 1-5/8" O.D. PERMAFUSED II STANDARD WEIGHT PIPE (0.140" WALL THICKNESS, 2.27 lb./ft.)

### LINE POSTS:

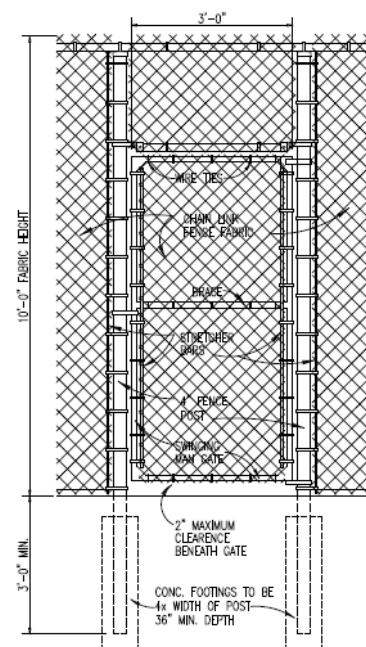
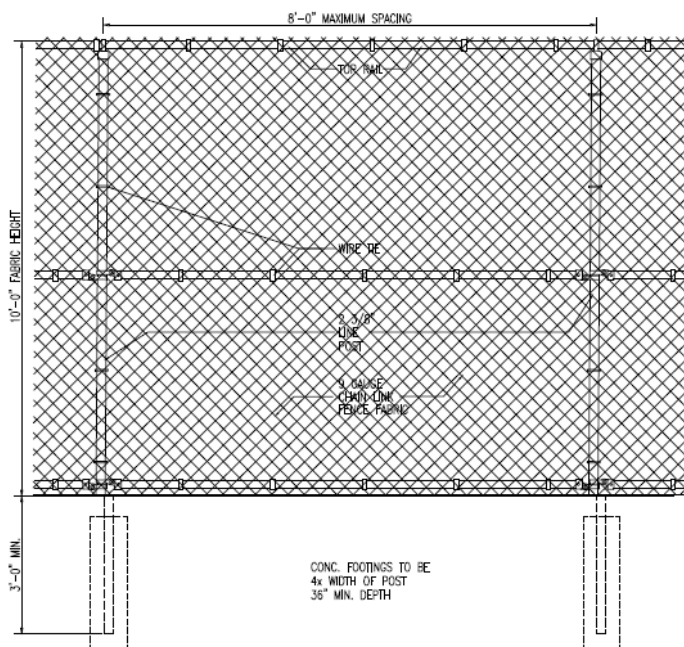
SIZE: 2 3/8" O.D. PERMAFUSED II STANDARD WEIGHT PIPE (0.154" WALL THICKNESS, 3.65 lb./ft.)

### TERMINAL POSTS:

SIZE: 4" O.D. PERMAFUSED II STANDARD WEIGHT PIPE

### SWING GATES:

FABRIC: SAME MESH AND GAUGE AS CHAIN-LINK SELECTED.  
FRAMEWORK: 1-7/8" O.D.



### Interior Ball Separation Fence

Contractor shall furnish and install a 3-foot high chain link fence between the courts as shown in Exhibit A. The fence shall meet the same standards as above.

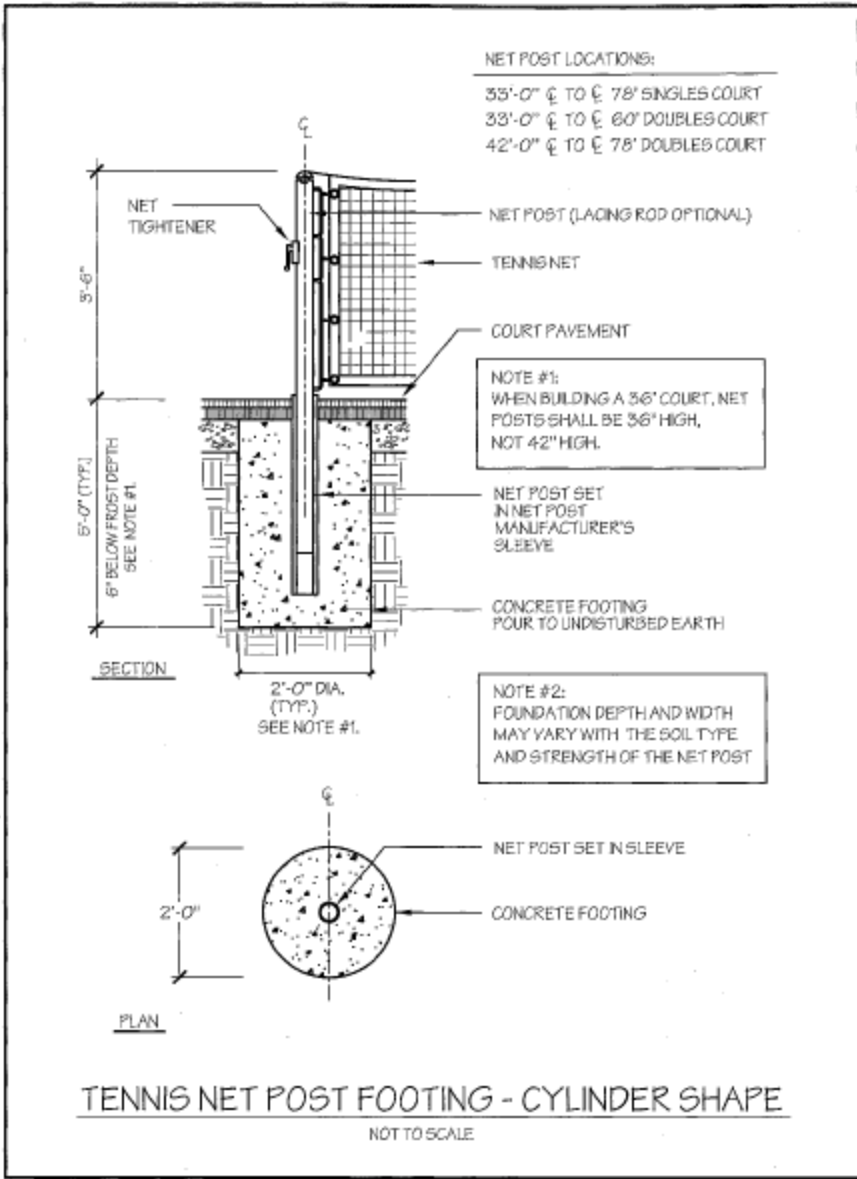
### Acrylic Playing Surface and Lines

Contractor shall apply an acrylic playing surface in accordance with the manufactures recommendations. The playing surface shall be blue and outside area shall be green. Colors shall be the same as the youth courts recently constructed for the City of Madison. The court shall be stripped for Pickle ball and tennis, with yellow and white lines respectively as shown below.

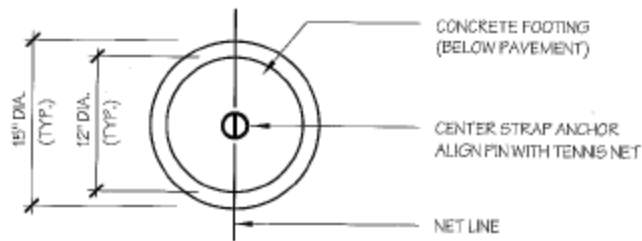
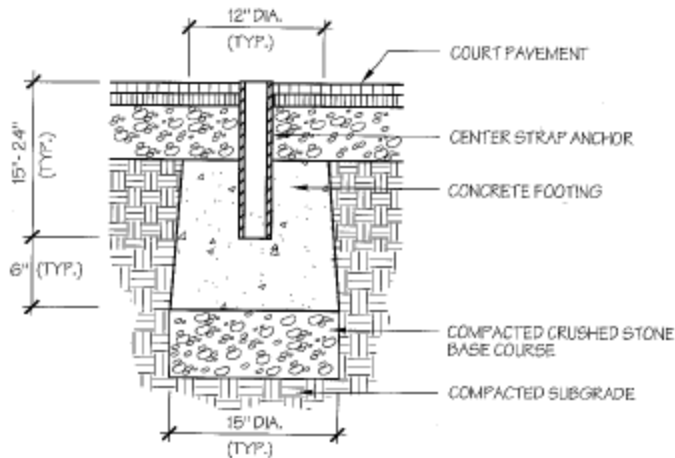


### Net Post and Nets

Contractor shall furnish and install two galvanized steel net posts and sleeves so the net posts can be removed and/or replaced. The posts shall be galvanized and be equipped with a screw-type, worm gear winding mechanism to tighten the nets. The concrete footer for the sleeve shall be constructed in accordance with the diagram shown below on pages 7 and 8.



NOTE:  
IN AREAS SUSCEPTIBLE TO  
FROST HEAVING, INCREASE  
FOOTING DEPTH TO 24"+



### TENNIS NET CENTER STRAP ANCHOR

NOT TO SCALE





Tennis Courts at the Madison County Recreation Park

**Bid Submittal Form**  
**Tennis Courts for Madison County Recreation Park**

<b>Bidder Name</b>	
<b>Address</b>	
<b>Phone Number</b>	
<b>Contact Person</b>	
<b>Bid Price</b>	
<b>Option #1 – Virgin Asphalt</b>	

**Check here if you are an American Sports Builders Association certified tennis court builder (*preferred, but not required*).**

**Please place bid in a sealed envelope marked “Tennis Courts” and deliver to 229 SW Pinckney Street, Madison, FL 32340, attention Brian Kauffman.**