

Request for Bids:

Seal Coat & Stripe Parking Lot

Nelson Fiscal Court will accept sealed bids to seal coat and stripe the parking areas and entrances at Dean Watts Park, Spencer Mattingly Road, Bardstown, KY 40004 totaling approximately 24,750 square yards.

Bids shall be submitted to the Nelson County Judge Executive's office at One Courty Square, PO Box 578, Bardstown, KY 40004 by 10:00 A.M. local time, August 27, 2021

The County reserves the right to reject any or all quotes and waive formalities.

Dean Watts
One Court Square
Bardstown, KY 40004

Bid FORM :

Bid # 1) Seal Asphalt parking lot at Dean Watts Park approximately 24,750 square yards using two coats , Refined Tar Sealer Application to Bituminous Asphalt Pavements at the rates and additives specified by the attached specification and in accordance with the manufacturer's recommendations.

Lump Sum Bid for 24,750 square yards \$ _____

Provide Cost per square Yard (Two coats) \$ _____

Bid # 2.) Parking lot striping, ADA Parking, directional area and other existing hatched locations

Striping 12,000 LF X \$ _____ Cost/LF = \$ _____

Directional Arrows 24 EACH X \$ _____ Cost/Each = \$ _____

ADA Parking 14 EACH X \$ _____ Cost/Each = \$ _____

TOTAL BID \$ _____

The undersigned, authorized representative of does/do hereby submit the above bid to the Nelson County Fiscal Court this _____ day of _____, 2021 and certify that I have visited the site and am/are completely familiar with the work required and the specifications. Attached is a list of similar projects accomplished.

Contractor's Authorized Representative

NOTE: All exceptions to the specification shall be noted by the bidder. Nelson County reserves the right to accept or reject all quotes and waive formalities. Quotes provided shall be valid for at least ninety (90) days after bid opening.

Specifications for Refined Tar Sealer Application to Bituminous Asphalt Pavements

The Nelson County Fiscal Court requests bids to seal coat approximately 25,450 Square Yards and associated striping, ADA parking and directional arrows. The contractor shall be responsible to provide documentation of the materials used and volume to ensure compliance with specifications. The Nelson County Fiscal Court reserves the right to sample any materials being placed and will deduct payment accordingly for non-compliance of the specifications.

1. References/ASTM Specifications

- C136 Method for Sieve Analysis of Fine and Course Aggregate
- D140 Methods of sampling Bituminous Materials
- D490 Standard Specification for Road Tar
- D2939 Standard Test Methods for Emulsified Bitumens used as Protective Coatings
- D3423 Standard Practice for Application of Emulsified Coal Tar Pitch (Mineral Colloid Type)
- D4866 Standard Performance Specification for Coal Tar Pitch Emulsion Formulations Containing Mineral Aggregate and Polymeric Admixtures
- D5727 Standard Specification for Emulsified Refined Coal Tar (Mineral Colloid Type)

2. Materials

Refined Coal Tar Emulsion

The refined coal tar emulsion shall be prepared from a high temperature refined tar conforming to the requirements of ASTM D490 for RT-12. No petroleum or oil tar shall be permitted. The base refined coal tar shall also conform to the requirements of ASTM D5727.

Water

The water used for mixing shall be potable, free of harmful soluble salts and contaminants, and shall be at least 50 degrees F in temperature.

Aggregate

Aggregate shall be used to improve the wear and skid-resistance of the sealer. The aggregate shall be either washed silica or boiler slag free of dust, clay, contaminants or moisture. The aggregate size shall be no less than 50 nor higher than 70 fineness when tested in accordance with ASTM C136.

Latex Additive

A latex modifier may be used to enhance fuel resistance, sand suspension, flexibility and drying times. The latex modifier shall be specified by the sealer manufacturer to be compatible with the refined tar sealer.

Ambient Conditions

1. Both surface and ambient temperature must be a minimum of 50°F and rising before applying cold applied crack fillers, oil spot primers, pavement sealers or traffic paints (materials). Ambient and surface temperature shall not drop below 50°F for a 24 hour period following application of materials.
2. Apply materials during dry conditions when rain is not imminent or forecast for at least 24 hours after application.

3. Mix Design

The refined coal tar emulsion system shall consist of a mixture of refined coal tar emulsion, water, additive and aggregate, and shall be proportioned as follows:

100	gallons concentrate coal tar emulsion
40	gallons water
2	gallons latex additive
300	lbs. aggregate

The refined coal tar emulsion and specified amount of water shall be uniformly blended in a suitable mixing tank with mechanical agitation. Once a homogeneous mixture has been achieved, the specified amount of additive, diluted with an equal amount of clean water, shall slowly be added under continuous agitation. After achieving a smooth mixture, the specified amount of aggregate shall slowly be added under continuous agitation.

4. Surface Preparation

The pavement surface shall be thoroughly cleaned immediately prior to sealer application by the means of mechanical blower, sweeping, scrubbing and/or flushing all areas with clean water to remove all debris that may restrict sealer adhesion. Remove grass along edge of pavement to find true edge of pavement.

Oil Spot Preparation: All oil and grease that has not penetrated the pavement surface shall be removed by scraping or burning. Areas where oil has penetrated the surface shall be burned with a torch to evaporate said oil, then treated with a heavy duty oil spot primer to improve sealer adhesion and prevent oil spot from bleeding through the sealer.

Crack Sealing: All pavement cracks 1/4" to 1" in width shall be repaired prior to sealing. All vegetation, dirt and debris shall be removed from the crack to a minimum depth of 1/2". The prepared cracks shall be filled using a rubberized hot pour crack sealant meeting ASTM D6690 or above.

5. Application

Application of the 1st coat shall be installed by mechanical spray or hand-brushed. The second coat shall be installed using mechanical spray equipment. **The sealer shall be continuously agitated during application and shall be applied uniformly over the entire surface, completely free of voids.** The coverage rate shall be as follows:

First Coat:	.10-.12 gallons per square yard
Second Coat:	.08-.10 gallons per square yard

At no time will coverage rate less than .20 gallons per square yard in two coats be acceptable. Before applying the next coat of sealer, the previous coat shall be allowed to dry so that it withstand traffic without scuffing. It is recommended that the final coat of sealer be allowed to cure under ideal conditions for a period of 24 hours, then tested for trafficability before opening to regular use.

6. Traffic Control

The project shall be broken into four areas as noted on the attached plan with each area being completed prior to moving onto the next area. The areas shall be completed in the following sequence:

First area to be completed	-	Area 1 (Football & Upper Baseball Parking)
Second area to be completed	-	Area 2 (Entrance Rd. Rear Soccer Parking)
Third area to be completed	-	Area 3 (Main Soccer Parking)

The Contractor shall be responsible for closing off each each with appropriate traffic barriers until each section has dried per the manufactures recommendations. The completed area shall be opened and the next area in the sequence shall be completed.

7. Striping of Parking Areas

Striping of parking areas, ADA Parking and directional arrows shall be completed after seal coating has been cured per the manufactures recommendations. With the exception of the soccer parking area (Area 3) as shown on the attached map, the contractor shall strip parking areas, directional arrows, ADA parking and other striping to match existing conditions.

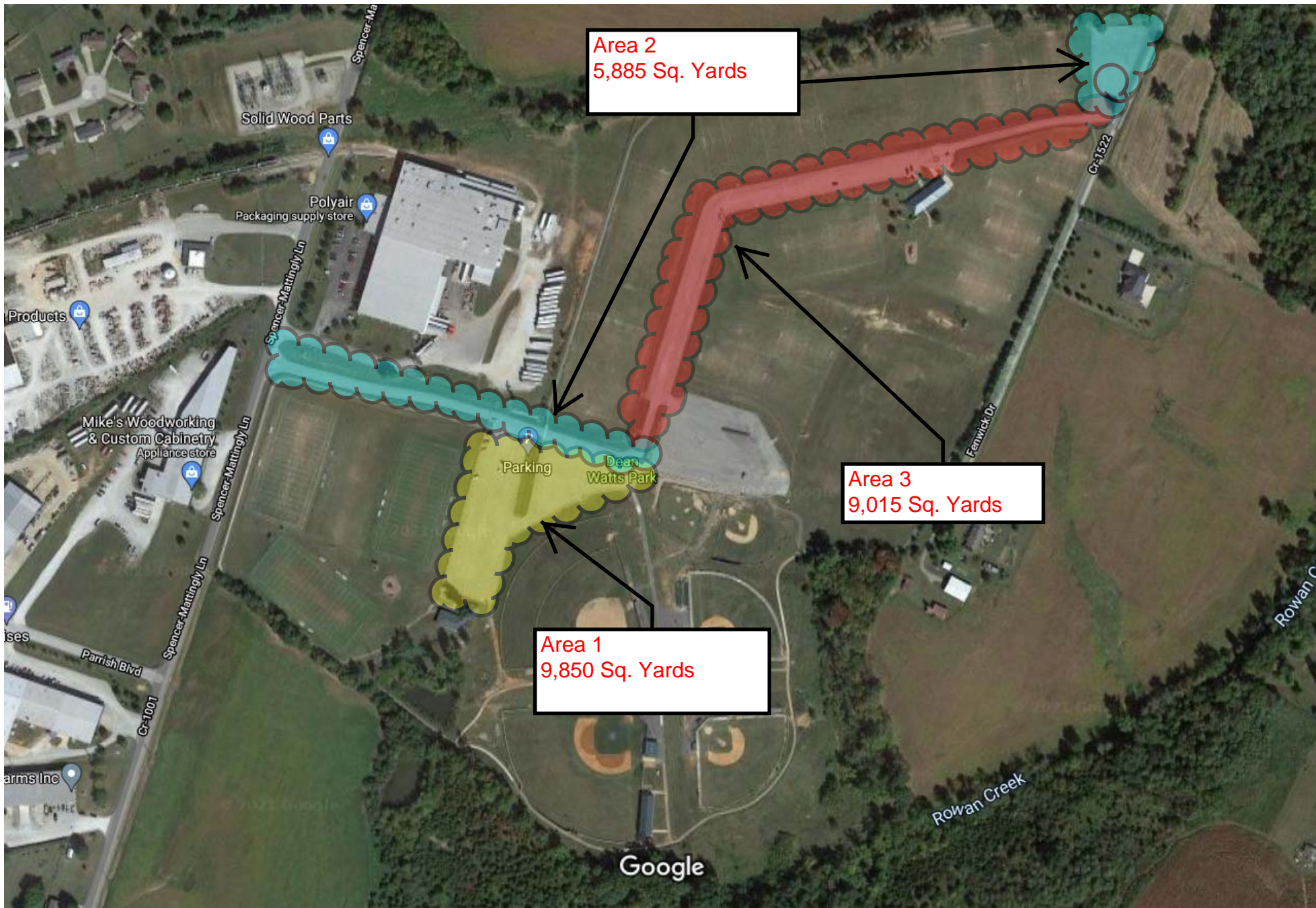
The attached map provides the layout of the striping, ADA Parking and directional arrows required at the soccer parking area (Area 3). Area 3 Soccer parking shall be installed with angle parking per the attached detail. The existing striping in this area shall be painted with black laytex paint prior to seal coating. Upon the asphalt sealing properly curing, the new striping, ADA Parking, directional arrow, etc as shown on the plan shall be installed per these specifications.

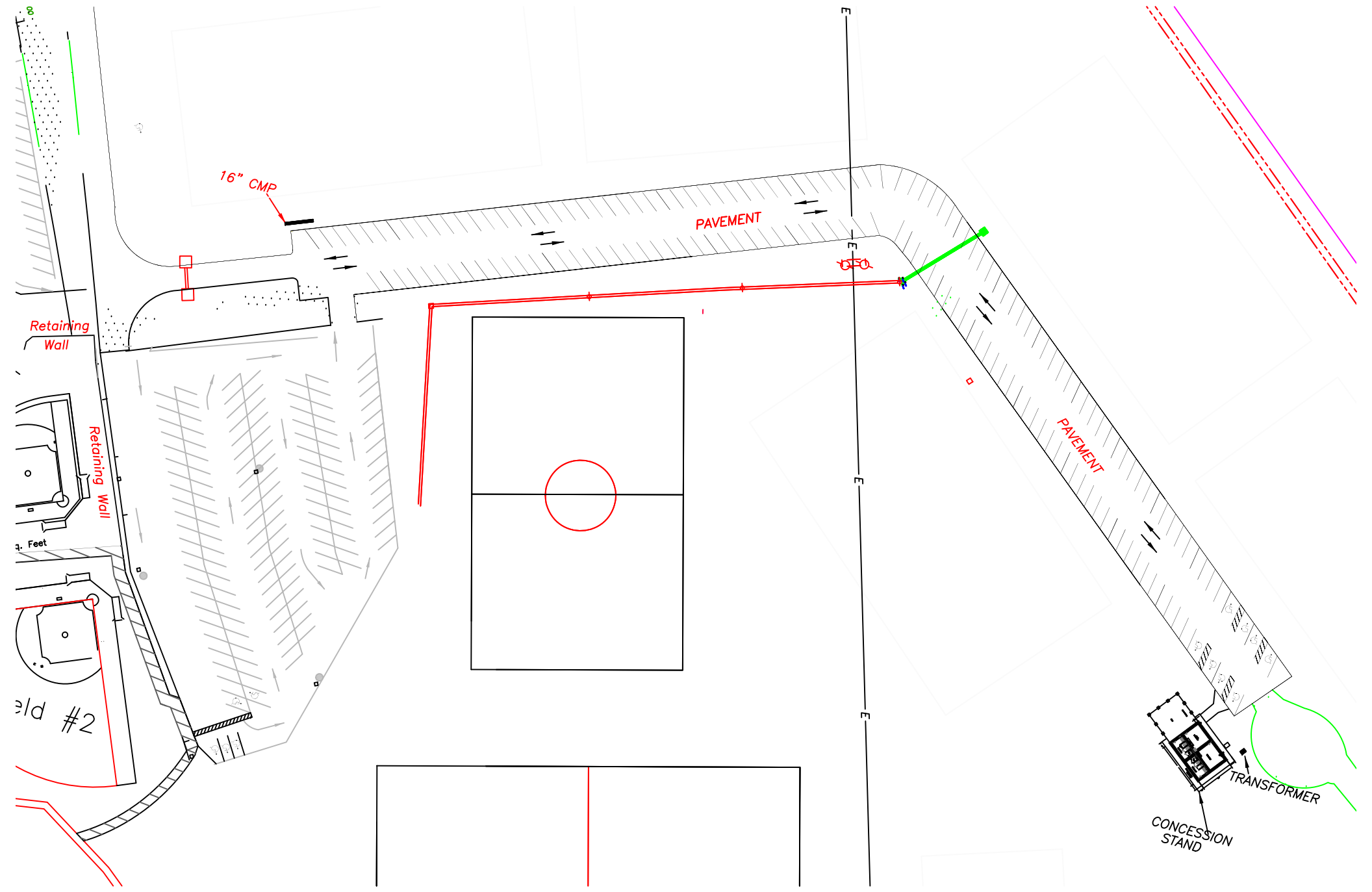
All pavement striping shall be four (4) inches in width. White paint (Traffic paint - laytex-water based) shall be applied at a rate of 1 gallon per 340 linear feet of striping at 4-inches wide.

8. Timeframe & Working Hours

The Contractor shall complete the project within 75-calendars days after the Notice to Proceed has been issued by the Nelson County Fiscal Court. At no time shall the seal coating or striping be installed at temperatures not recommended by the manufacturer's guidelines. Prior to issuing the Notice to Proceed, the Contractor shall provide General Liability and Workers Compensation Insurance documents to the Nelson County Fiscal Court.

The Contractor shall complete the work between the hours of 7:00 a.m. and 5:00 p.m. Monday-Friday. Scheduling of these activities shall be through the Nelson County Recreational Director, Derrick Hagan (502) 331-1374 and within minimum 1-week notice prior to beginning work.





60 Degree

