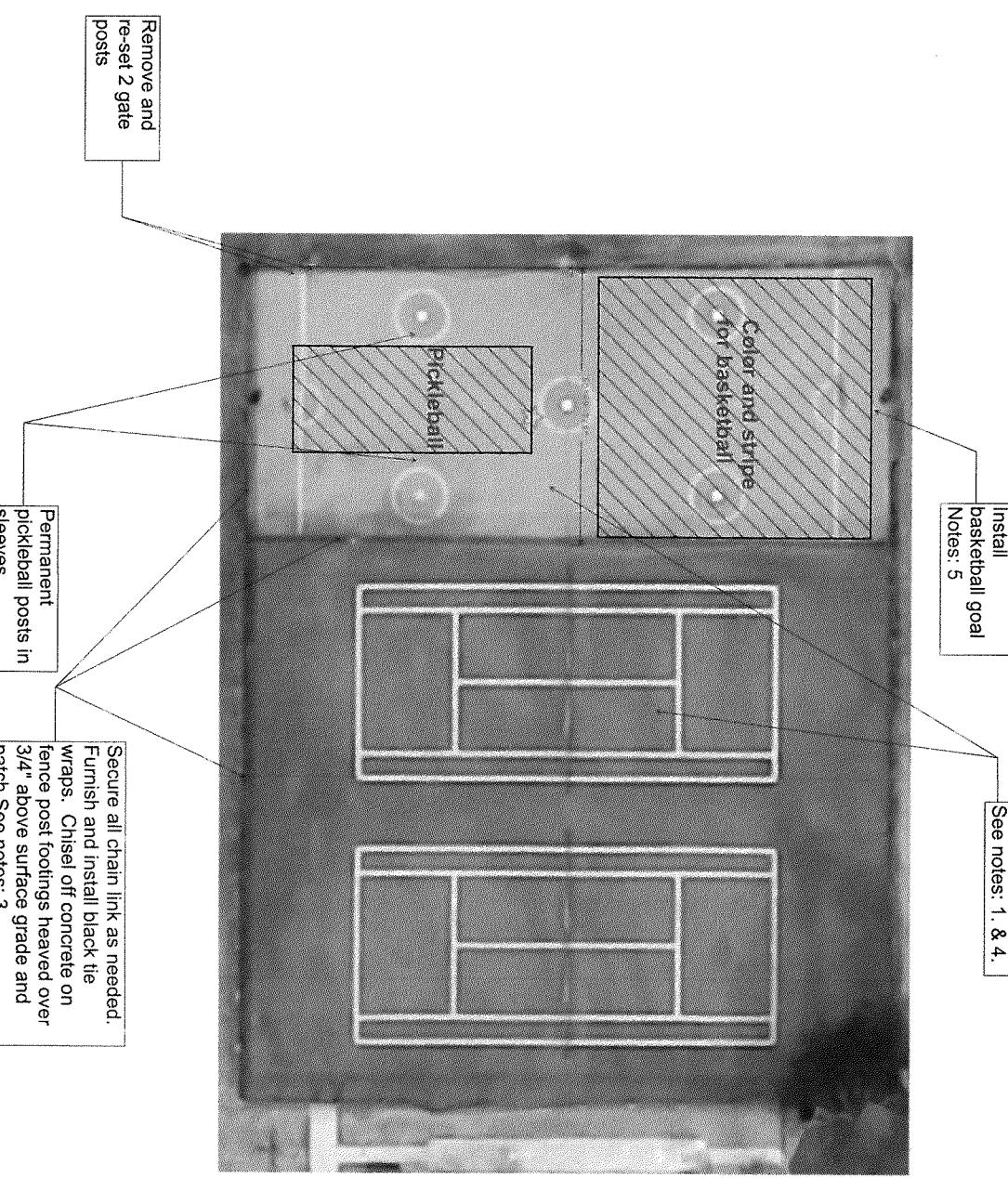


# EXHIBIT 2.0



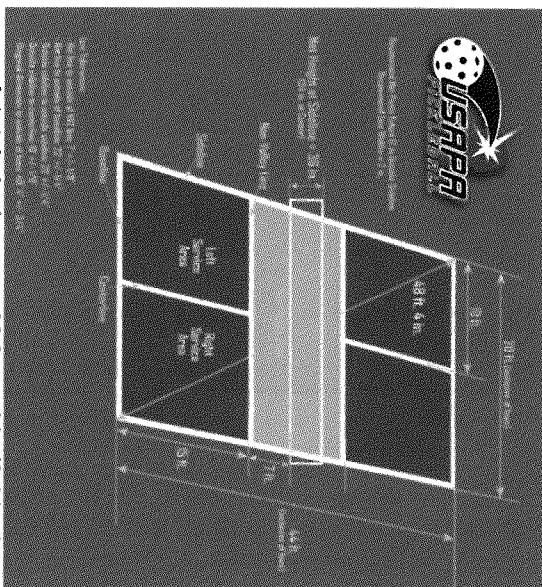
#### NOTES.

1. Apply color coat system and stripe all existing colored surface using the ARMOR CRACK REPAIR SYSTEM on all existing cracks. See specification EXHIBIT 2.1
  2. SEE athletic equipment detail 9.1
  3. SEE Fence detail 9.2
  4. total 485 linear feet of crack.
  - 5.



Manufacturer: Douglas Industries

A total playing area 30 feet wide (9.14 m) and 60 feet long (18.28 m) is the minimum size that is recommended. A total size of 34 feet by 64 feet is preferred.



Date: 4/28/2017	SCALE	PROJECT: Village of Orland Park 2017 Courts	DOOGAN PARK	Revisions	date	SHEET 1 OF 9
Drawn By: Michael Laniusz	NONE					

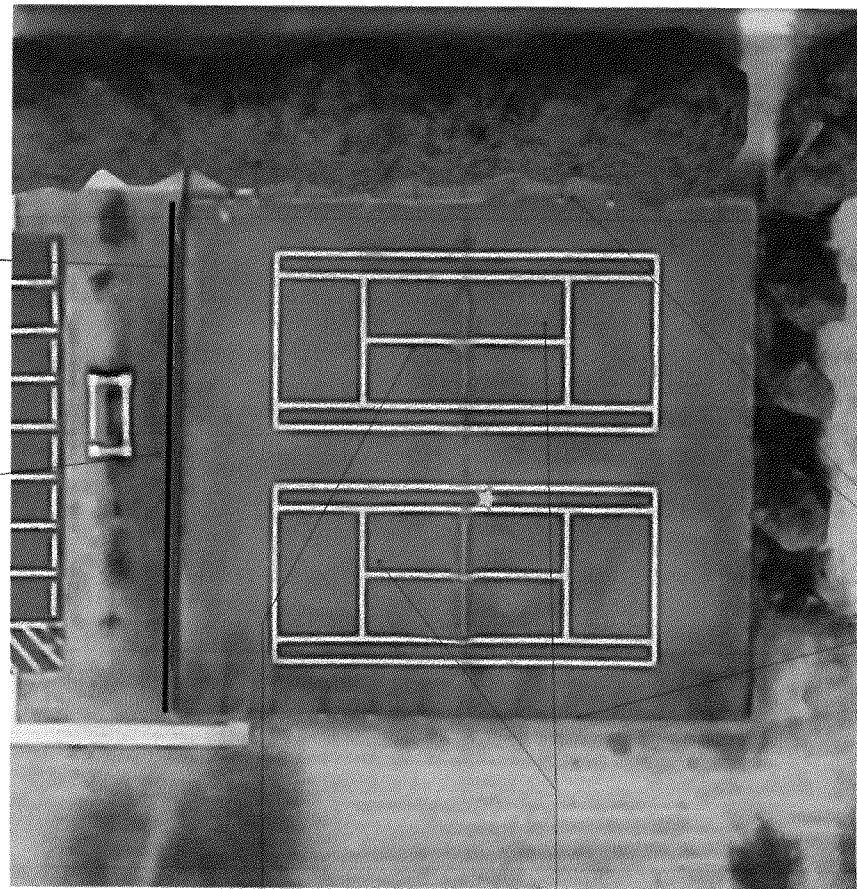
Chisel off concrete on  
fence post footings  
heaved over 3/4"  
above surface grade  
and patch See notes:  
2.

**NOTES:**

1. Apply color coat system and stripe all existing colored surface using the ARMOR CRACK REPAIR SYSTEM on all existing cracks. See specification EXHIBIT 2.1
2. See fence patch detail 9.2
3. Total 200 linear feet of crack
4. Apply pickleball lines to one court

Surface prep and resurfacing see  
notes: 1,2,&3

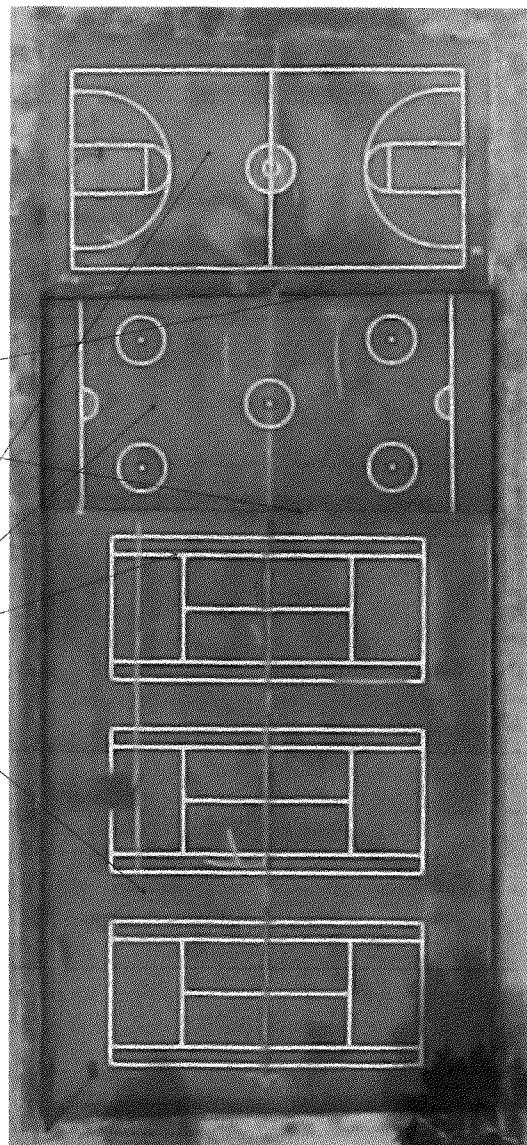
Apply line striping for 1 pickleball  
court centered in tennis court  
placed to share tennis net.



Remove and replace fence  
line posts. Reininstall all  
chain link and rails as  
needed to properly secure.  
South Fence line only.

Install drain tile and surface  
drain. Connect drain to  
nearest storm sewer.  
REQUIRED BUT NOT  
INCLUDED IN PRICING. BY  
OTHERS.

 <b>TENNIS COURT</b> U.S.	Date: 4/28/2017	SCALE	PROJECT:	Wedgewood Estates Park	Revisions	date	SHEET
	Drawn By: Michael Lenosz	NONE	Village of Orland Park 2017 Courts				2 OF 9



See Notes: 1,6,7

Remove chain link for  
asphalt paving. Chisel off  
concrete on fence post  
footings heaved over 3/4"  
above surface grade and  
patch See notes: 5.

- NOTES:**
1. Machine apply and compact HMA Binder/ leveling course.  
Install reinforcement Grid to entire surface  
Machine apply and compact HMA surface course  
Apply color coat system and stripe.  
See Specification: Exhibit 2.2.
  2. Extend all athletic equipment to new accommodate new  
finish surface elevation.
  3. Adjust all gates as needed.
  4. Remove chain link from divider fences only. Adjust  
chain link height and re install.
  5. SEE Fence detail 9.2
  6. Remove loose coating prior to priming surface.
  7. Layout and stripe to match existing. Add pickleball  
court striping to 1 tennis court.

 <b>U.S. TENNIS CO.</b> CONSTRUCTION 204 Industrial Drive Lockport, IL 60441	Date	4/28/2017	<b>SCALE</b>	<b>PROJECT:</b> Village of Orland Park 2017 Courts	<b>Revisions</b>	<b>date</b>	<b>SHEET</b>
	Drawn By:	Michael Laniusz					3 OF 9



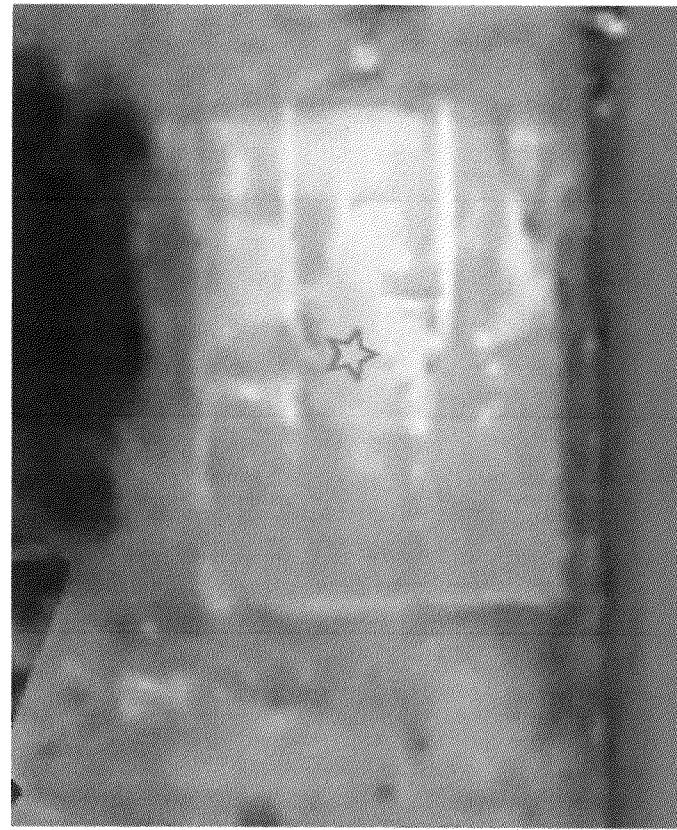
CONSTRUCTION  
204 Industrial Drive  
Lockport, IL 60441

Date: 4/28/2017  
Drawn By: Michael Laniusz

**SCALE**

**PROJECT:**

Village of Orland Park 2017 Courts



**NOTES:**

1. Apply color coat system and stripe all existing colored surface using the ARMOR CRACK REPAIR SYSTEM on all existing cracks. See specification EXHIBIT 2.1
2. 200 linear feet of crack.

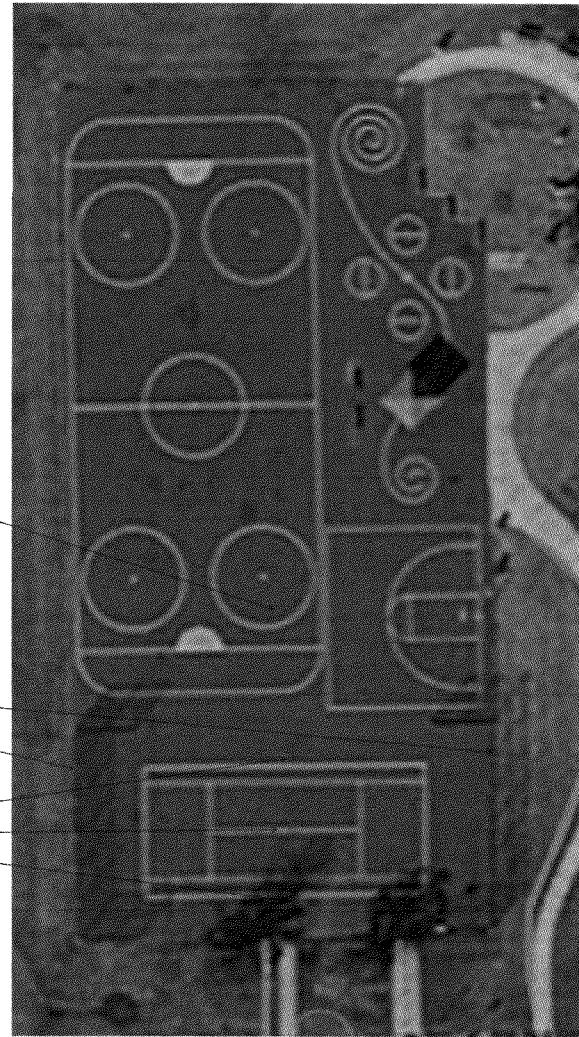
Revisions

date

**SHEET**

Schussler Park  
Basketball court

4 of 9



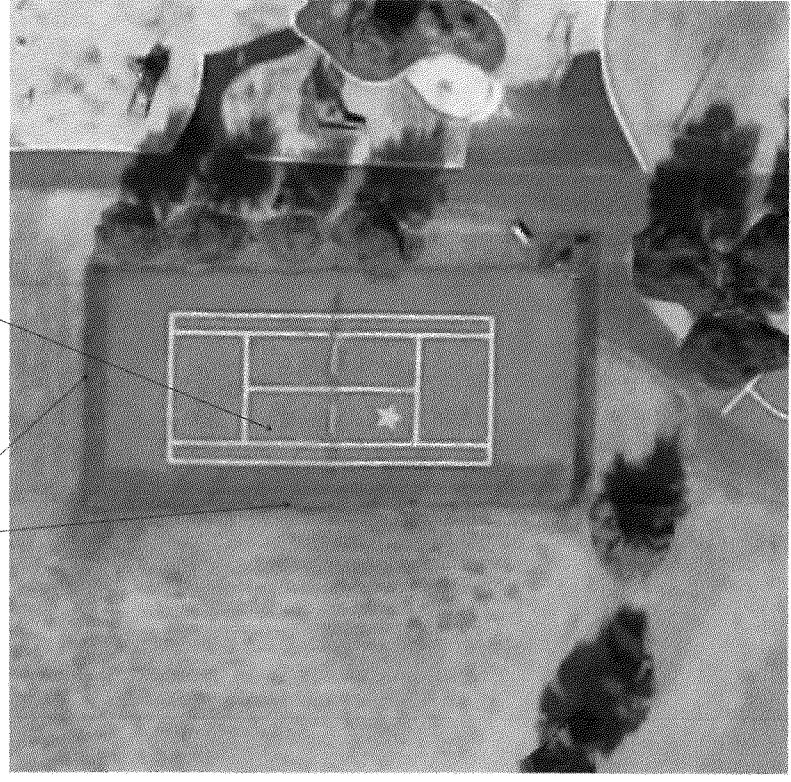
Repair and resurface.  
Lines and layout to match  
existing. See Notes: 1,2, &5

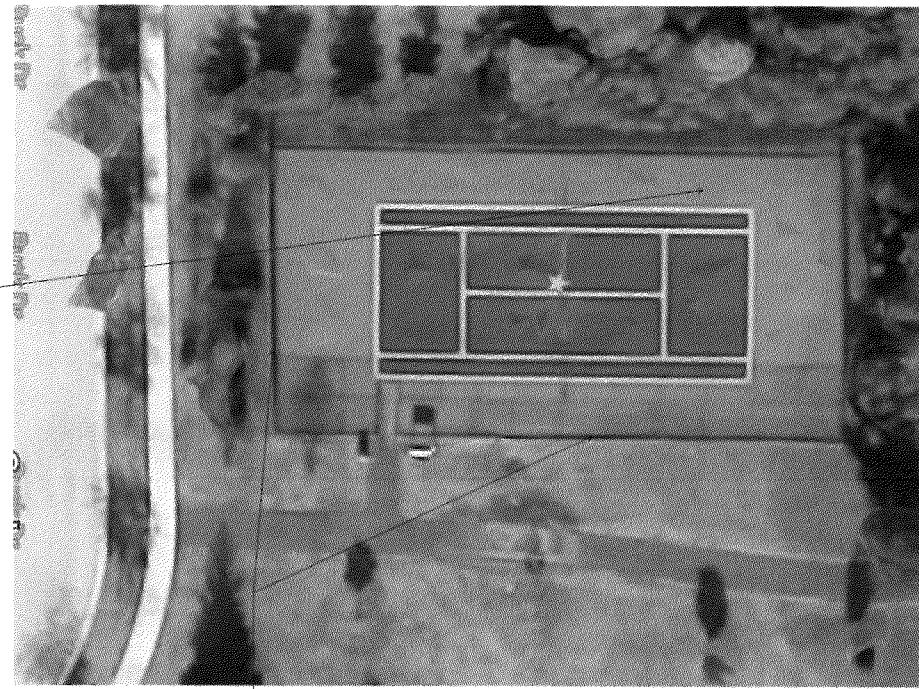
Remove and set  
new line posts.  
Re-use chain link  
and rails. See  
notes: 4

Remove and  
replace tennis  
net system  
See Notes: 3

- NOTES:**
1. Apply color coat system and stripe all existing colored surface using the ARMOR CRACK REPAIR SYSTEM on all existing cracks. See specification EXHIBIT 2.1
  2. 1,350 linear feet of crack.
  3. Remove and replace tennis net posts including footings for posts and center anchors.
  4. Remove and store fence. Set new fence line posts in concrete footings. Reuse chain link and rails. Properly secure fencing.
  5. Add Pickleball striping on tennis court

 <b>J&amp;S TENNIS COURTS</b> <b>CONSTRUCTION</b> 204 Industrial Drive Lockport, IL 60441	Date: 4/28/2017	<b>SCALE</b>	<b>PROJECT:</b> Village of Orland Park 2017 Courts	<b>Revisions</b>        <b>Treetop Park</b>	<b>date</b>        <b>SHEET</b> 5 of 9
	Drawn By: Michael Lariosz				

 <p>U.S. TENNIS COLOR CONSTRUCTION 204 Industrial Drive Lockport, IL 60441</p>		<p>Date: 4/28/2017</p> <p>Drawn By: Michael Laniusz</p>	<p><b>SCALE</b></p> <p><b>PROJECT:</b> Village of Orland Park 2017 Courts</p>	<p><b>Revisions</b></p> <p>Discovery Park Tennis court</p>	<p><b>date</b></p> <p>6 OF 9</p>	<p><b>SHEET</b></p>
<p><b>NOTES:</b></p> <p>Repair and resurface see Notes: 1,3,4</p> <p>Chisel off concrete on fence post footings heaved over 3/4" above surface grade and patch See notes: 2.</p> <p></p>						
<p>1. Remove coatings Apply color coat system and stripe all existing colored surface using the ARMOR CRACK REPAIR SYSTEM on all existing cracks. See specification EXHIBIT 2.3</p> <p>2. See fence detail 9.2</p> <p>3. Add striping for Pickleball</p> <p>4. 160 Linear feet of crack</p>						



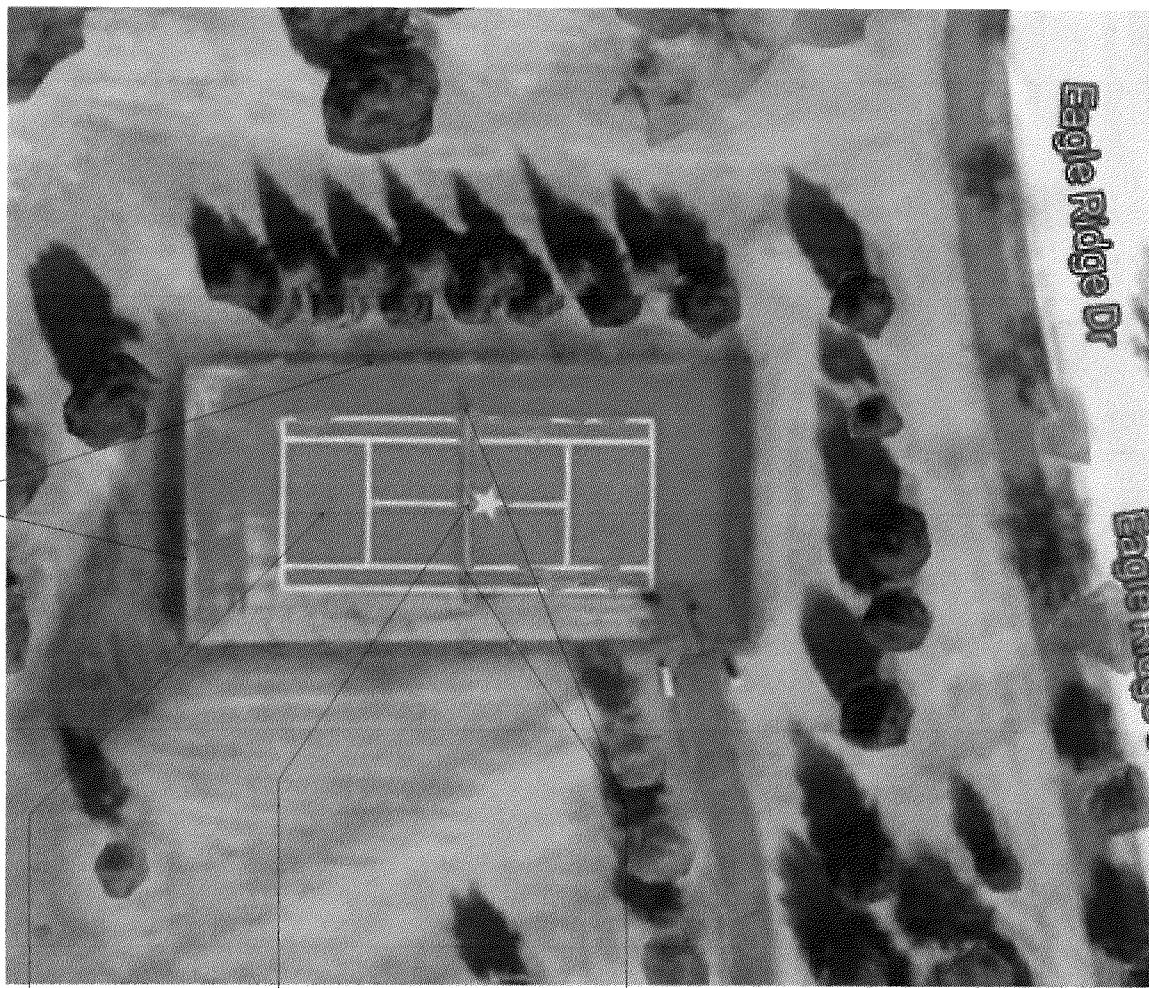
**NOTES:**

1. Apply color coat system and stripe all existing colored surface using the ARMOR CRACK REPAIR SYSTEM on all existing cracks. See specification EXHIBIT 2.1
2. 65 linear feet of crack.
3. See fence detail 9.2
4. Add Pickleball lines

 <b>U.S. TENNIS COURT</b> <b>CONSTRUCTION</b> 204 Industrial Drive Lockport, IL 60441	Date: 4/28/2017	<b>SCALE</b>	<b>PROJECT:</b> Village of Orland Park 2017 Courts	<b>Revisions</b>	<b>date</b>	<b>SHEET</b>
	Drawn By: Michael Laniusz					7 OF 9

# Eagle Ridge Dr

## Eagle Ridge Dr



### NOTES:

1. Remove coatings Apply color coat system and stripe all existing colored surface using the ARMOR CRACK REPAIR SYSTEM on all existing cracks. See specification EXHIBIT 2.3
2. See fence detail 9.2
3. Add striping for Pickleball
4. 180 Linear feet of crack
5. Remove and replace center strap anchor. Chisel down net post footing's concrete to min. 2" below finish surface grade. Prime and compact asphalt into cavity. Precoat flush with adjacent surface.

Chisel concrete and patch with  
HMA

Remove and replace center  
anchor

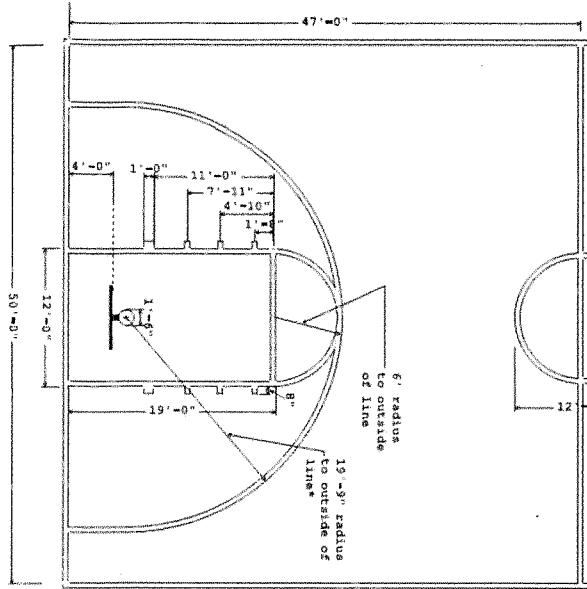
Prep and resurface. See Notes:  
1.3.4.

Chisel off concrete on fence  
post footings heaved over  
3/4" above surface grade  
and patch See notes: 2

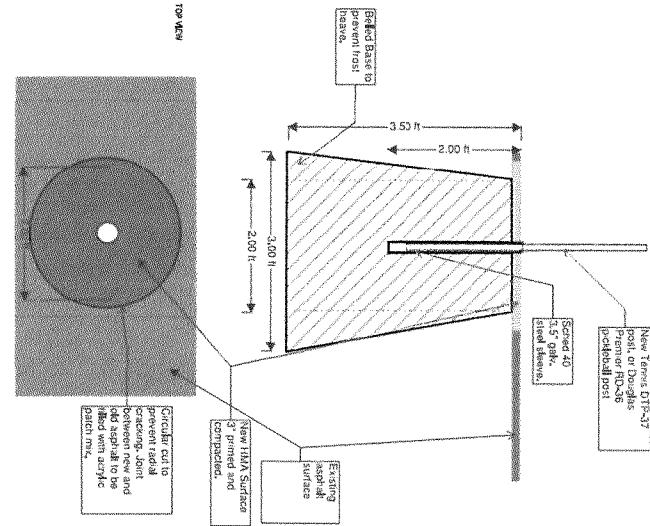
 U.S. TENNIS COURT CONSTRUCTION 204 Industrial Drive Lockport, IL 60441	Date: 4/28/2017	SCALE	PROJECT: Village of Orland Park 2017 Courts	Eagle Ridge Park	Revisions _____ _____ _____ _____ _____	date _____ _____ _____ _____	<b>SHEET</b> 8 OF 9
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-6-

Post sleeves and forking detail for new picketball post sleeves and removal and replacement of existing post sleeves.

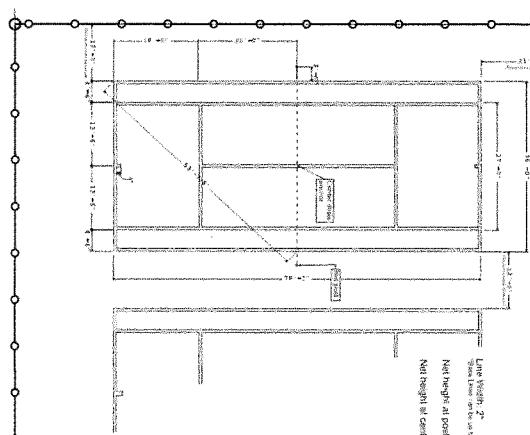


## 9.3 Basketball court striping

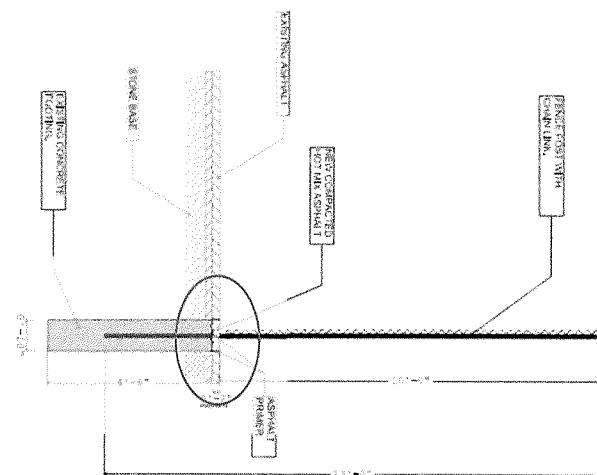


62

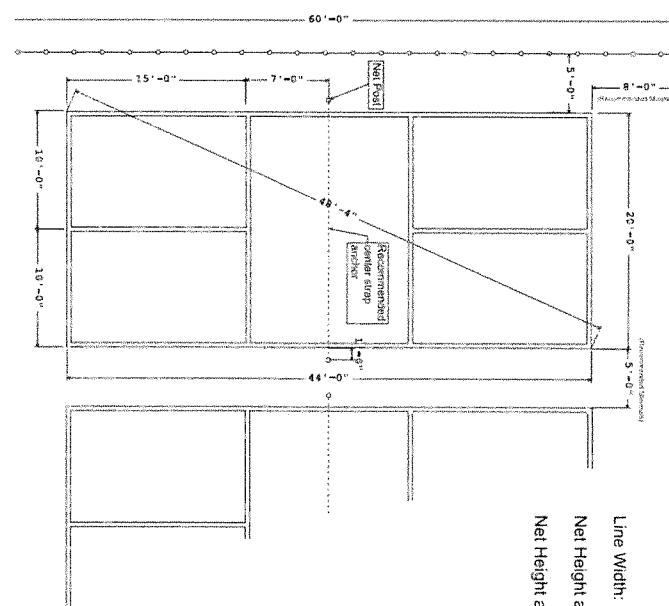
## DETAIL: CHISEL AND PATCH FENCE POST FOOTINGS.



## 9.4 Tennis court striping



## 9.3 Pickleball court striping



# EXHIBIT 2.1

**Tennis/Basketball/Pickleball court color resurfacing. (Reflective crack membranes.)**

## PART ONE- GENERAL

### 1.01 SUMMARY

- A. This work includes surface preparation including the ARMOR CRACK REPAIR SYSTEM and the acrylic color system applications for existing tennis court, basketball court, pickleball court, or similar athletic or play surface.

### 1.02 QUALITY ASSURANCE

- A. Installing firm: Installer must regularly engage in construction and color acrylic surfacing. Documented experience in acrylic color system applications must be provided. Minimum of 10 projects similar in complexity in the last 3 years.
- B. Surfacing shall conform to the guidelines of the ASBA, (American Sports Builders Association), USTA (U.S. Tennis Association), and USAPA (U.S. A. Pickleball Association) respectively.
- C. Certified installer of ARMOR CRACK REPAIR SYSTEM.

### 1.03 SUBMITTALS

- A. Provide manufacturer specifications for all products, color chart and installation instructions.

### 1.04 MATERIAL HANDLING AND STORAGE

- A. Store materials in accordance with manufactures specifications and MSDS.
- B. All surfacing material shall be non-flammable.
- C. NO MATERIAL STORED ON SITE during the duration of the project unless fully secured with fencing.

### 1.05 GUARANTEE

- A. Provide guarantee against defects in the materials and workmanship for a period of one year from the date of substantial completion unless otherwise stated.

## PART TWO- PRODUCTS

### 2.01 MANUFACTURERS

- A. U.S. Tennis Court Construction Company Lockport, IL 60441/ Elite Sport Coating System.
- B. A.S.T., LLC Farmingdale, NJ 07727/ ARMOR CRACK REPAIR SYSTEM
- C. Approved equal products.

### 2.02 MATERIAL

- A. Patching Mix (Elite Patch Binder)-for use in patching cracks, holes, depressions, "birdbaths" and other surface imperfections.
- B. Acrylic Patch Crack Filler (Elite Acrylic Patch Crack Filler)-for use in filling cracks
- C. Acrylic Resurfacer (Elite Acrylic Resurfacer)- Mixed with approved silica sand and applied as a filler coat on new or existing asphalt surfaces and for pre-coating rough areas.
- D. Acrylic Color Playing Surface (Elite Color Concentrate) mix with approved silica sand and applied over acrylic resurfacer or textured acrylic color.
- E. Textured Line Paint (Elite Textured Line Paint)-for use as line or graphic marking on play surface.
- F. ARMOR Adhesive (Follow Armor Crack Repair Guidelines) Adhesive used in bonding ARMOR CRACK REPAIR SYSTEM layers.

### 3.06 ACRYLIC FILLER COAT(S) (RESURFACER)

- A. Apply two (2) coats of properly textured acrylic resurfacer shall be applied to entire surface. Special care shall be taken to keep a wet edge and remain consistent.
- B. When surface is completely dry, surface shall be inspected for, ridges, bumps, and debris. Any inconsistencies shall be corrected prior to color coat applications.
- C. Strictly follow manufactures mixture guidelines and weather limitations.

### 3.07 ACRYLIC COLOR PLAYING SURFACE

- A. Complete a thorough inspection, remove any bumps or ridges in resurfacer coats, and clean surface of all loose dirt, leaves, or other debris.
- B. If the surface is to receive multiple colors, apply chalk lines to distinguish the court area from the perimeter area. Follow USTA & USAPA guidelines for court dimensions.
- C. Colors and their placement shall be determined by the owner. Colors and the placement of the colors shall be verified by the owner prior color applications.
- D. Textured acrylic color surface shall be applied in two (2) applications with a 50 durometer rubber squeegee. No application should be made until the previous application is thoroughly dry.
- E. Strictly follow manufactures guidelines and weather limitations.

### 3.08 LINE PAINTING

- A. Lines shall be carefully laid out in accordance with the USTA & USAPA guidelines.
- B. Masking tape shall be applied and rolled to result in a two inch (2") wide width unless otherwise stated.
- C. Masked lines shall be primed with acrylic line primer to seal the void between the textured surface and masking tape edge.
- D. One (1) coat of textured white line paint shall be applied by brush or roller. NO SPRAY APPLICATIONS PERMITTED.

### 3.09 PROTECTION

- A. Erect temporary barriers to protect coatings during drying and curing.
- B. Lock gates to prevent use until acceptance by the owner.

### 3.10 CLEAN UP

- A. Site shall be cleared of all construction debris, all waste shall be disposed of offsite in accordance with local, state and federal regulations.
- B. Remove all barriers and locks.

# EXHIBIT 2.2

## **Tennis court (HMA binder & HMA surface overlay with reflective crack control grid)**

### **PART ONE- GENERAL**

#### **1.01 SUMMERY**

- A. This work includes surface preparation, crack filling, crack control grid, hot mix asphalt (HMA) paving, net post and fence adjustments, and the acrylic color system applications for existing tennis court, pickleball court.

#### **1.02 QUALITY ASSURANCE**

- A. Installing firm: Installer must regularly engage in construction and color acrylic surfacing. Documented experience in athletic surface paving, and acrylic color system applications must be provided. Minimum of 10 projects similar in complexity in the last 3 years.
- B. Surfacing shall conform to the guidelines of the ASBA, (American Sports Builders Association).

#### **1.03 SUBMITTALS**

- A. Provide manufacturer specifications for all products, asphalt mix design, color chart and installation instructions.

#### **1.04 MATERIAL HANDLING AND STORAGE**

- A. Store materials in accordance with manufactures specifications and MSDS.
- B. All surfacing material shall be non-flammable.
- C. NO MATERIAL STORED ON SITE during the duration of the project unless fully secured with fencing.

#### **1.05 GUARANTEE**

- A. Provide guarantee against defects in the materials and workmanship for a period of one (1) year from the date of substantial completion unless otherwise stated.

### **PART TWO- PRODUCTS**

#### **2.01 MANUFACTURERS**

- A. Tensar International Corp. Alpharetta, GA 30009/ GlasGrid 8501
- B. Douglas Industries, Eldridge IA./ Athletic Equipment.
- C. U.S. Tennis Court Construction Company Lockport, IL 60441/ Elite Sport Coating System.
- D. Local Asphalt plant with qualified mix.
- E. Approved equal product.

## 2.02 MATERIAL/PRODUCTS

- A. Reinforcement Grid (GlasGrid 8501)-for use below compacted HMA.
- B. Tack Coat/Primer (SS-1)-aids in bonding of new HMA to existing surface.
- C. HMA Binder Course (N-50 Binder Course)- Lower course of pavement with maximum aggregate size no more than three-quarters of one inch (3/4").
- D. HMA Surface Course (N-30 Surface Course) -fine graded asphalt course with one half inch (1/2") maximum aggregate or smaller, free of reclaimed asphalt shingles (RAS) and with no more than 25% reclaimed asphalt pavement (RAP), applied over reinforcement grid.
- E. Patching Mix (Elite Patch Binder)-for use in patching cracks, holes, depressions, "birdbaths" and other surface imperfections.
- F. Acrylic Patch Crack Filler (Elite Acrylic Patch Crack Filler)-for use in filling cracks
- G. Acrylic Resurfacer (Elite Acrylic Resurfacer)- Mixed with approved silica sand and applied as a filler coat on new or existing asphalt surfaces and for pre-coating rough areas.
- H. Acrylic Color Playing Surface (Elite Color Concentrate) mix with approved silica sand and applied over acrylic resurfacer or textured acrylic color.
- I. Textured Line Paint (Elite Textured Line Paint)-for use as line or graphic marking on play surface.
- J. Net Post Sleeves (Douglas GS-24 #63424)-Installed in concrete footings 2 per court.
- K. Center anchor (Douglas center tie down anchor # 63428)- Installed in concrete. One (1) per court.
- L. Tennis Net Posts (Douglas DTP-37 #63007(green)or #63008(Black) -Installed in ground sleeve 2 per court.
- M. Tennis Net (Douglas TN-40 #20040)- Install to tennis net posts.
- N. Center strap (Douglas Deluxe adjustable CS #20600)-Fastened to center anchor.

## PART THREE- EXECUTION

### 3.01 WEATHER LIMITATIONS

- A. Do not install when raining or rain is imminent.
- B. Do not install if surface is wet or damp.
- C. Do not apply unless surface and air temperatures are 50°F and rising.
- D. Do not apply if surface temperature is more than 140°F.

### 3.02 DEMOLITION

- A. Tennis net posts, nets, center anchors, and ground sleeves including concrete footings shall be removed in their entirety. And disposed of legally off site. (If foundations and sleeves are plum and level with existing surface, sleeves may be extended without complete removal.)
- B. New footing shall be set prior to asphalt paving. Post sleeves shall be set at finish grade elevation and protected during asphalt paving.
- C. All chain link fencing shall be removed and stored on site.
- D. Remove vertical line posts as needed for paving equipment access.
- E. Any fence posts footings heaved over the proposed finish grade shall be chiseled down to existing surface grade or below.

### 3.03 TENNIS POST'S SLEEVES, POSTS, AND NETS

- A. Tennis post foundations shall be situated to provide a clear distance between posts of forty-two feet (42') apart.
- B. Net post sleeves shall be installed with foundations of no less than twenty-four inches (24") in diameter at the top, no less than thirty inches (30") in diameter at the base, and no less than forty-eight inches (48") in depth
- C. Center strap anchor foundations shall be no less than twelve inches (12") in diameter at the top, no less than sixteen inches (16") at the base, and no less than twelve inches (12") in depth.
- D. Install tennis posts in sleeves, follow manufactures installation guidelines.
- E. Install tennis nets, follow manufactures installation guidelines.
- F. Install center straps, follow manufactures installation guidelines.

### 3.04 SURFACE PREPARATION

- A. Surface shall be thoroughly cleaned of all dirt, debris, and vegetation using floor scrapers, wire brooms, and mechanical blowers.
- B. All loose coatings shall be removed and disposed of legally off site.
- C. Cracks with vegetation shall be treated with herbicide. Cracks shall be routed with a mechanical crack router. All loose material and old or foreign crack filler shall be completely removed.
- D. Any oil or grease spots shall be scraped and treated to prevent bleeding through the tack coat.

### 3.05 CRACK FILLING

- A. Cracks shall be filled from bottom to top with acrylic patch crack filler. Special care shall be taken to assure all void space is filled. Multiple applications will be required to level crack filler with adjacent surface.
- B. Strictly follow manufactures mixture guidelines and moisture limitations.

### 3.06 TACK COAT/PRIMER

- A. Apply SS-1 asphalt emulsion over asphalt or remaining properly bonded coatings not less than 0.10 gallons per square yard. Excessive asphalt applications, or pooling, shall be swept with a broom to ensure proper bonding of the HMA. Install reinforcement grid after the asphalt emulsion has dried. If pick up occurs, wait until emulsion cures.
- B. Apply additional tack coat on Binder course prior to reinforcement grid placement.
- C. Strictly follow manufactures mixture guidelines and moisture limitations

### 3.07 REINFORCEMENT GRID

- A. Using a tractor, or manually, place grid to thoroughly dried primed surface.
- B. Grid to be applied over entire primed binder course.
- C. Roll grid with rubber tire roller to activate adhesive.
- D. Overlap grid widths a minimum of four inches (4").
- E. Grid must be installed under sufficient tension to reduce or eliminate ripples.

### 3.08 ASPHALT PAVING

#### A. BINDER COURSE

- a. Machine apply and compact HMA binder course to a compacted thickness of no less than two inches (2") over prepared and primed surface.
- b. HMA shall be free of marks, segregation and be placed to required uniform elevation with a smooth texture not showing tearing, shoving, or gouging.
- c. Paving equipment shall be equipped with auger extensions, and be self-propelled.
- d. Hand work shall be minimized to ensure the best possible finished surface.
- e. Rolling shall start as soon as the HMA can be compacted without displacement. Rolling shall continue until the HMA is thoroughly compacted and all roller marks have disappeared. Compact the HMA to a minimum in-place density of 94.0% of the Theoretical Maximum Specific Gravity.
- f. Binder course longitudinal joints shall be smooth and true; no deviation from level and true.
- g. Smoothness shall meet the requirements of no greater than one eighth inch (1/4") in ten feet (10').
- h. Binder course asphalt must be placed in one day, special care shall be taken to avoid cold seams.

#### B. SURFACE COURSE

- a. Machine apply and compact HMA Surface course to a compacted thickness of no less than one and one half inches (1.5") over reinforcement grid.
- b. HMA shall be free of marks, segregation and be placed to required uniform elevation with a smooth texture not showing tearing, shoving, or gouging.
- c. Paving equipment shall be equipped with auger extensions, and be self-propelled.
- d. Hand work shall be minimized to ensure the best possible finished surface.
- e. Rolling shall start as soon as the HMA can be compacted without displacement. Rolling shall continue until the HMA is thoroughly compacted and all roller marks have disappeared. Compact the HMA to a minimum in-place density of 94.0% of the Theoretical Maximum Specific Gravity.
- f. Surface course longitudinal joints shall be smooth and true; no deviation from level and true.
- g. Smoothness shall meet the requirements of no greater than one eighth inch (1/8") in ten feet (10').
- h. Surface course asphalt must be placed in one day, special care shall be taken to avoid cold seams.

### 3.09 FENCING (DIVIDER FENCE ONLY, 2 WESTERN SECTIONS NORTH TO SOUTH)

- A. Three to four inches (3"-4") shall be removed from the overall height of the chain link fabric to allow for the added elevation of the surface. Exposed cut ends shall be knuckled uniformly.
- B. Chain link shall be reinstalled including all wire, ties, and hardware to properly fasten to fence structure.
- C. Chain link shall be situated to allow three quarters of an inch to one and one half inch (3/4"-1.5") clearance at the bottom.

- D. Chain link shall be installed following the asphalt paving and prior to the color surface applications.
- E. Replace any vertical line posts removed for equipment access.

### 3.10 COURT DEPRESSIONS "BIRDBATHS"

- A. Testing: Surface shall be flooded with water by rain or manually with clean water. Surface shall be allowed to drain for 45-60 minutes in sunlight at 70°F. Remaining depressions holding enough water to cover a five cent piece (American Nickel) shall be marked.
- B. Apply acrylic patch binder mix to depressions and strike off with a straight edge. Before the product begins to dry, feather edges using a trowel, putty knife, or similar method.
- C. Repeat testing and acrylic patch binder applications as needed to eliminate or reduce depressions to within tolerance.
- D. Sand and pre-coat as needed to assure repairs are not visible following acrylic surface applications.
- E. Strictly follow manufactures mixture guidelines and weather limitations.

### 3.11 ACRYLIC FILLER COAT(S) (RESURFACER)

- A. Two (2) coats of properly textured acrylic resurfacer shall be applied to entire surface. Special care shall be taken to keep a wet edge and remain consistent.
- B. When surface is completely dry, surface shall be inspected for, ridges, bumps, and debris. Any inconsistencies shall be corrected prior to color coat applications.
- C. Strictly follow manufactures mixture guidelines and weather limitations.

### 3.12 ACRYLIC COLOR PLAYING SURFACE

- A. Complete a thorough inspection, remove any bumps or ridges in resurfacer coats, and clean surface of all loose dirt, leaves, or other debris.
- B. If the surface is to receive multiple colors, apply chalk lines to distinguish the court area from the perimeter area. Follow USTA guidelines for court dimensions.
- C. Colors and their placement shall be determined by the owner. Colors and the placement of the colors shall be verified by the owner prior color applications.
- D. Textured acrylic color surface shall be applied in two (2) applications with a 50 durometer rubber squeegee. No application should be made until the previous application is thoroughly dry.
- E. Strictly follow manufactures guidelines and weather limitations.

### 3.13 LINE PAINTING

- A. Lines shall be carefully laid out in accordance with the ASBA guidelines.
- B. Masking tape shall be applied and rolled to result in a two inch (2") wide width unless otherwise stated.
- C. Masked lines shall be primed with acrylic line primer to seal the void between the textured surface and masking tape edge.
- D. One (1) coat of textured white line paint shall be applied by brush or roller. NO SPRAY APPLICATIONS PERMITTED.

### 3.14 PROTECTION

- A. Erect temporary barriers to protect coatings during drying and curing.
- B. Lock gates to prevent use until acceptance by the owner.

### 3.15 CLEAN UP

- A. Site shall be cleared of all construction debris, all waste shall be disposed of offsite in accordance with local, state and federal regulations.
- B. Remove all barriers and locks.

# EXHIBIT 2.3

**Tennis/Basketball/Pickleball court color resurfacing. (*With coating removal & Reflective crack membranes.*)**

## PART ONE- GENERAL

### 1.01 SUMMARY

- A. This work includes surface preparation including the ARMOR CRACK REPAIR SYSTEM and the acrylic color system applications for existing tennis court, basketball court, pickleball court, or similar athletic or play surface.

### 1.02 QUALITY ASSURANCE

- A. Installing firm: Installer must regularly engage in construction and color acrylic surfacing. Documented experience in acrylic color system applications must be provided. Minimum of 10 projects similar in complexity in the last 3 years.
- B. Surfacing shall conform to the guidelines of the ASBA, (American Sports Builders Association), and USAPA (U.S. A. Pickleball Association) respectively.
- C. Certified install of ARMOR CRACK REPAIR SYSTEM.

### 1.03 SUBMITTALS

- A. Provide manufacturer specifications for all products, color chart and installation instructions.

### 1.04 MATERIAL HANDLING AND STORAGE

- A. Store materials in accordance with manufactures specifications and MSDS.
- B. All surfacing material shall be non-flammable.
- C. NO MATERIAL STORED ON SITE during the duration of the project unless fully secured with fencing.

### 1.05 GUARANTEE

- A. Provide guarantee against defects in the materials and workmanship for a period of one year from the date of substantial completion unless otherwise stated.

## PART TWO- PRODUCTS

### 2.01 MANUFACTURERS

- A. U.S. Tennis Court Construction Company Lockport, IL 60441/ Elite Sport Coating System.
- B. A.S.T., LLC Farmingdale, NJ 07727/ ARMOR CRACK REPAIR SYSTEM
- C. Approved equal products.

### 2.02 MATERIAL

- A. Patching Mix (Elite Patch Binder)-for use in patching cracks, holes, depressions, "birdbaths" and other surface imperfections.
- B. Acrylic Patch Crack Filler (Elite Acrylic Patch Crack Filler)-for use in filling cracks
- C. Acrylic Resurfacer (Elite Acrylic Resurfacer)- Mixed with approved silica sand and applied as a filler coat on new or existing asphalt surfaces and for pre-coating rough areas.
- D. Acrylic Color Playing Surface (Elite Color Concentrate) mix with approved silica sand and applied over acrylic resurfacer or textured acrylic color.
- E. Textured Line Paint (Elite Textured Line Paint)-for use as line or graphic marking on play surface.
- F. ARMOR Adhesive (Follow Armor Crack Repair Guidelines) Adhesive used in bonding ARMOR CRACK REPAIR SYSTEM layers.

G. **ARMOR CRACK REPAIR SYSTEM**- Expandable tapes fabrics applied over prepared cracks.

### PART THREE- EXECUTION

#### 3.01 WEATHER LIMITATIONS

- A. Do not install when rain is imminent or extremely high humidity prevents drying.
- B. Do not install if surface is wet or damp.
- C. Do not apply unless surface and air temperatures are 50°F and rising. \*above 60°F during crack repair installation.
- D. Do not apply if surface temperature is more than 140°F.

#### 3.02 PREPARATION FOR ACRYLIC COLOR SYSTEM.

- A. Surface shall be thoroughly cleaned of all dirt, debris, and vegetation using floor scrapers, wire brooms, and mechanical blowers.
- B. Remove all existing coatings exposing asphalt by means of Hydro-Jet-Blasting. Legally dispose of all spoils and debris off site. Thoroughly rinse surface, fence, and surrounding structures.**
- C. Cracks with vegetation shall be treated with herbicide. Cracks shall be routed with a mechanical crack router. All loose material and old or foreign crack filler shall be completely removed.

#### 3.03 CRACK FILLING

- A. Cracks shall be filled from bottom to top with acrylic patch crack filler. Special care shall be taken to assure all void space is filled. Multiple applications will be required to level crack filler with adjacent surface.
- B. Sand and pre-coat as needed to assure repairs are not visible following acrylic surface applications.
- C. Strictly follow manufacturer's mixture guidelines and moisture limitations.

#### 3.04 ARMOR CRACK REPAIR SYSTEM

- A. Install ARMOR CRACK REPAIR SYSTEM over fully prepared cracks.
- B. Strictly follow manufacturer's installation guidelines.

#### 3.05 COURT DEPRESSIONS "BIRDBATHS"

- A. Testing: Surface shall be flooded with water by rain or manually with clean water. Surface shall be allowed to drain for 45-60 minutes in sunlight at 70°F. Remaining depressions holding enough water to cover a five cent piece (American Nickel) shall be marked.
- B. Apply acrylic patch binder mix to depressions and strike off with a straight edge. Before the product begins to dry, feather edges using a trowel, putty knife, or similar method.
- C. Repeat testing and acrylic patch binder applications as needed to eliminate or reduce depressions to within tolerance.
- D. Sand and pre-coat as needed to assure repairs are not visible following acrylic surface applications.
- E. Strictly follow manufacturer's mixture guidelines and weather limitations.

### 3.06 ACRYLIC FILLER COAT(S) (RESURFACER)

- A. Apply two (2) coats of properly textured acrylic resurfacer shall be applied to entire surface. Special care shall be taken to keep a wet edge and remain consistent.
- B. When surface is completely dry, surface shall be inspected for, ridges, bumps, and debris. Any inconsistencies shall be corrected prior to color coat applications.
- C. Strictly follow manufacture's mixture guidelines and weather limitations.

### 3.07 ACRYLIC COLOR PLAYING SURFACE

- A. Complete a thorough inspection, remove any bumps or ridges in resurfacer coats, and clean surface of all loose dirt, leaves, or other debris.
- B. If the surface is to receive multiple colors, apply chalk lines to distinguish the court area from the perimeter area. Follow USTA & USAPA guidelines for court dimensions.
- C. Colors and their placement shall be determined by the owner. Colors and the placement of the colors shall be verified by the owner prior color applications.
- D. Textured acrylic color surface shall be applied in two (2) applications with a 50 durometer rubber squeegee. No application should be made until the previous application is thoroughly dry.
- E. Strictly follow manufacture's guidelines and weather limitations.

### 3.08 LINE PAINTING

- A. Lines shall be carefully laid out in accordance with the ASBA or USAPA guidelines.
- B. Masking tape shall be applied and rolled to result in a two inch (2") wide width unless otherwise stated.
- C. Masked lines shall be primed with acrylic line primer to seal the void between the textured surface and masking tape edge.
- D. One (1) coat of textured white line paint shall be applied by brush or roller. NO SPRAY APPLICATIONS PERMITTED.

### 3.09 PROTECTION

- A. Erect temporary barriers to protect coatings during drying and curing.
- B. Lock gates to prevent use until acceptance by the owner.

### 3.10 CLEAN UP

- A. Site shall be cleared of all construction debris, all waste shall be disposed of offsite in accordance with local, state and federal regulations.
- B. Remove all barriers and locks.