

# CONSTRUCTION PLANS FOR: MANOR PARK PICKLEBALL COURTS PHASE II

## ABERDEEN PARKS, RECREATION, AND FORESTRY ABERDEEN, SOUTH DAKOTA A-8381



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a Registered Professional Engineer under the laws of the State of South Dakota. Registration No. 1993  
 Date: 20241113  
 By: RBH  
 Title: Professional Engineer  
 No. 1993

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7. DETAILS

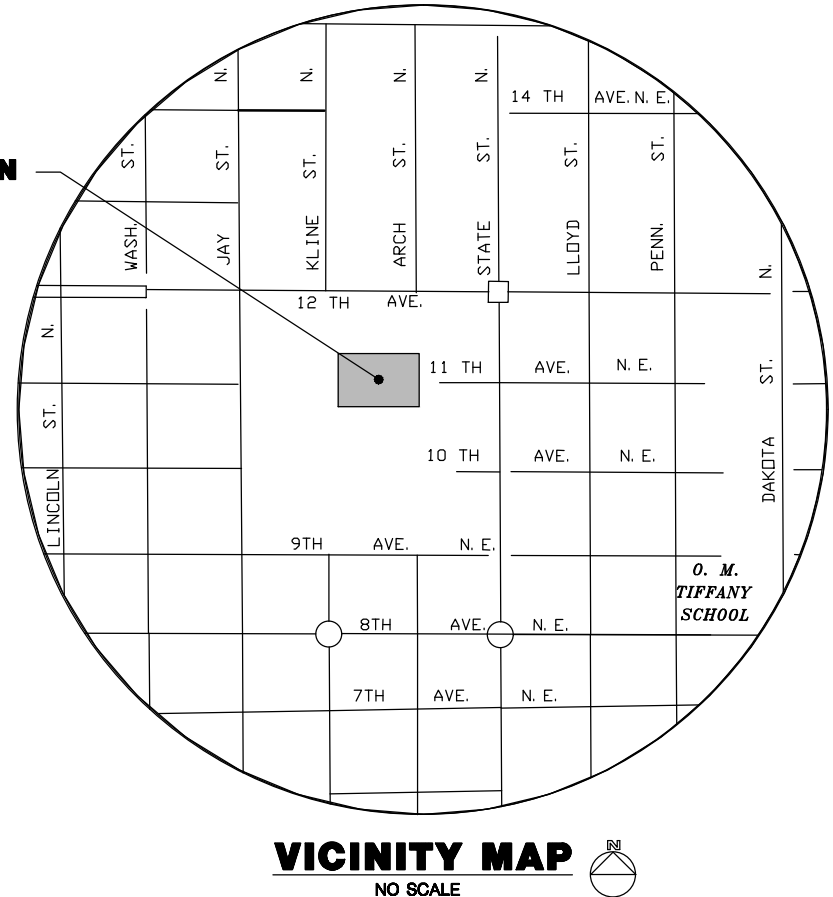
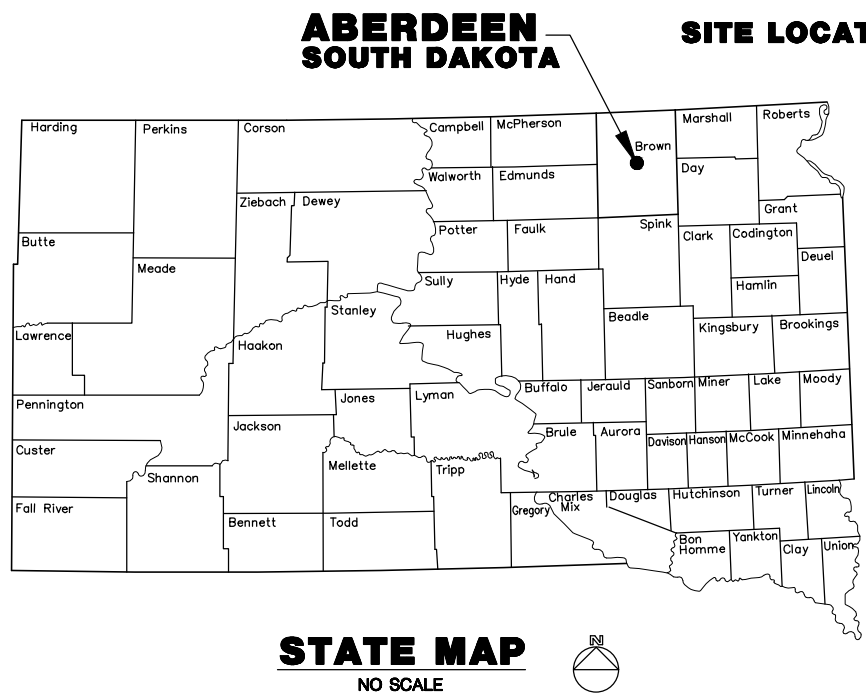
**DESCRIPTION OF WORK**

THE CONSTRUCTION OF A 64' X 108' CONCRETE PICKLEBALL COURT (3 PICKLEBALL COURTS). THIS WORK SHALL INCLUDE: SHAPING AND COMPACTING EXISTING SUBGRADE, CONSTRUCTING CONCRETE COURT, AND OTHER ITEMS RELATED TO CONSTRUCTION

**PARK BOARD MEMBERS**

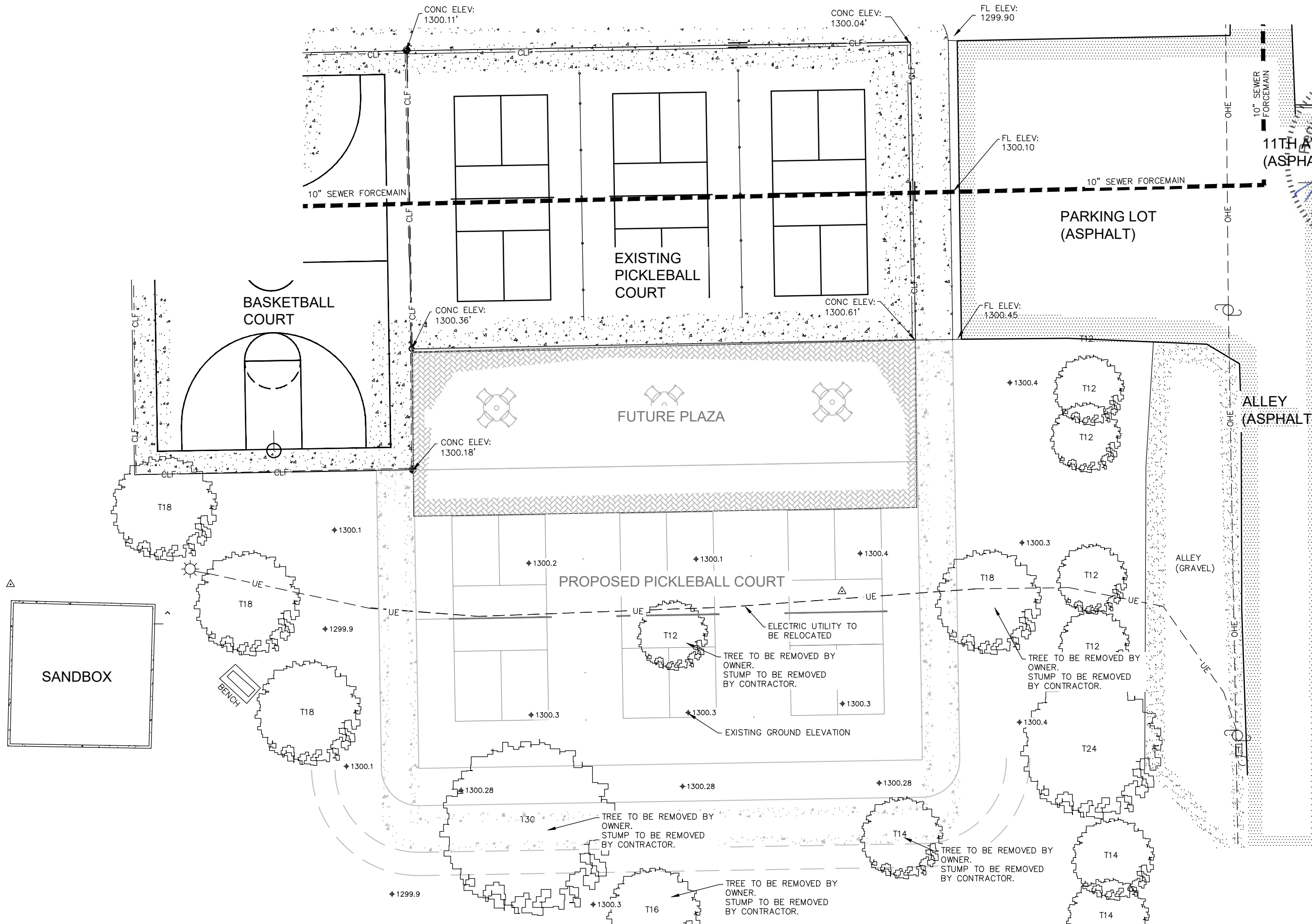
PRESIDENT DAVID SANDVIG  
 VICE PRESIDENT TOM KUCK  
 SECRETARY DOUG FARRAND  
 JAKE CRAMOND  
 NICK GEHRTS  
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 KRISTAN MORRIS

CITY COUNCIL LIAISON JOSH RIFE  
 DIRECTOR MARK HOVEN  
 CITY ENGINEER ROBIN BOBZIEN



**COVER SHEET**  
 ABERDEEN PARKS AND RECREATION  
 MANOR PARK, PICKLEBALL COURT  
 ABERDEEN, SOUTH DAKOTA

Drawn By: NGP  
 Chk' By: BDS  
 Proj. No: 8381  
 Dwg. No: 8381-PNT  
 VP. No: ###  
 Date: 2/18/22



Registered Professional Engineer  
 REG. NO. 11967  
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**MANOR PARK EXISTING TOPOGRAPHIC SURVEY**  
 ABERDEEN PARKS AND RECREATION  
 MANOR PARK, PICKLEBALL COURT  
 ABERDEEN, SOUTH DAKOTA

Chk' By: NGP  
 Proj. No: BDS  
 Dwg. No: 8381  
 VP. No: 8381-PNT  
 Drawn By: ###  
 2/18/22

Date	Revisions
20241113	CDH

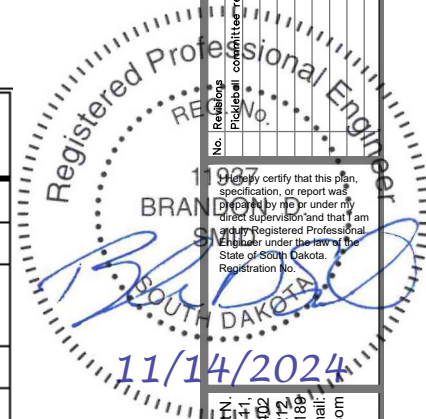
**Manor Park Pickleball Courts  
A-8381  
March 2022**

**GENERAL CONSTRUCTION NOTES:**

1. NET POSTS SHALL BE 22 FEET APART MEASURED FROM THE INSIDE OF EACH POST. THE NET SHALL MEASURE 36 INCHES AT THE NET POST AND 34 INCHES AT THE CENTER OF THE COURT.
2. THE CONCRETE 28 DAY COMPRESSIVE STRENGTH MIX DESIGN SHALL BE 4,000 PSI MINIMUM AFTER ADDITIONAL ADMIXTURES
3. MAXIMUM OF 3/4" COURSE AGGREGATE AND MAXIMUM FLY ASH CONTENT OF 15%
4. ALL CONCRETE SHALL BE PLANT MIXED AND SHALL CONTAIN TYPE 1 CEMENT
5. ALL REINFORCING STEEL SHALL CONFORM TO A.S.T.M. A615 GRADE 60
6. CONSTRUCTION JOINT: TIE SLABS TOGETHER WITH 6' EPOXY COATED #4 REBAR AT 24" O.C.
7. THE CONTRACTOR SHALL FURNISH CONCRETE MIX DESIGN TO THE ENGINEER FOR APPROVAL PRIOR TO THE PLACEMENT OF ANY CONCRETE. THE CONCRETE MIX DESIGN SHALL INCLUDE NON-SHRINK ADMIXTURES TO MINIMIZE SHRINKAGE OF THE CONCRETE. THE ADMIXTURES PROPORTIONS SHALL BE AS RECOMMENDED BY THE SUPPLIER
8. ROUND BLOCK OUTS (SONOTUBE) TO BE LEFT IN CONCRETE FOR INSTALLATION OF PICKLEBALL NET POSTS. ENSURE ROUND BLOCK OUTS ARE ADEQUATE DIAMETER TO ALLOW SUBSEQUENT AUGERING OF FOOTING HOLES.
9. INSTALL THE 15 MIL VAPOR BARRIER BELOW PCC PAVEMENT
10. CONCRETE SHALL BE FLOATED TO A TRUE & LEVEL PLANE. THE FINAL FINISHED SURFACE SHALL BE A LIGHT BROOMED FINISH.
11. IMMEDIATELY AFTER FINISHING, THE CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST FOR A MINIMUM OF 7 DAYS BY COVERING WITH POLYETHYLENE FILM OR OTHER ACCEPTABLE COVERINGS, AND SPRINKLING WITH WATER. CURING TIME SHALL BE IN ACCORDANCE WITH THE ATHLETIC SURFACE MANUFACTURER'S RECOMMENDATIONS. NO CURING COMPOUND SHALL BE USED
12. EXPOSED CONCRETE EDGES SHALL BE ROUNDED TO A 1/4" RADIUS.
13. THE COURT SHALL SLOPE IN A TRUE PLANE FROM SIDE TO SIDE AT A SLOPE NOT LESS THAN 0.83% OR GREATER THAN 1.00%.
14. THE FINISHED SURFACE OF THE COURT SHALL NOT VARY MORE THAN 1/8" IN 10' WHEN MEASURED IN ANY DIRECTION

**Base Bid Schedule**

ITEM	DESCRIPTION	QUANTITY	UNIT
1	Mobilization	1	L.S.
2	Strip and Stockpile Topsoil	226	C.Y.
3	Unclassified Excavation (Including 6" Scarify and Recompact)	905	C.Y.
4	Geotextile Separator Fabric	1,357	S.Y.
5	15 Mil Poly Vapor Barrier	1,102	S.Y.
6	Subbase Material (10" Nominal Depth)	715	Ton
7	Aggregate Base Course (8" Nominal Depth)	582	Ton
8	6" PCC Surfacing w/ 24" O.C. #4 Rebar	8,940	S.F.
9	6" PCC Surfacing w/ 24" O.C. #4 Rebar (Colored)	780	S.F.
10	5" PCC Surfacing w/ Fiber Reinforcement	2,296	S.F.
11	Furnish & Install 8' Chainlink Fence	232	L.F.
12	Furnish & Install 4' Chainlink Fence	312	L.F.
13	Furnish & Install Chainlink Fence Gates	7	Each
14	Remove 8' Fencing	108	L.F.
15	Fencing Updates on Existing Court	1	L.S.
16	Install Owner Furnished Umbrella Foundation	3	Each
17	Install Owner Furnished Net Post	6	Each



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**PLAN NOTES AND QUANTITIES**

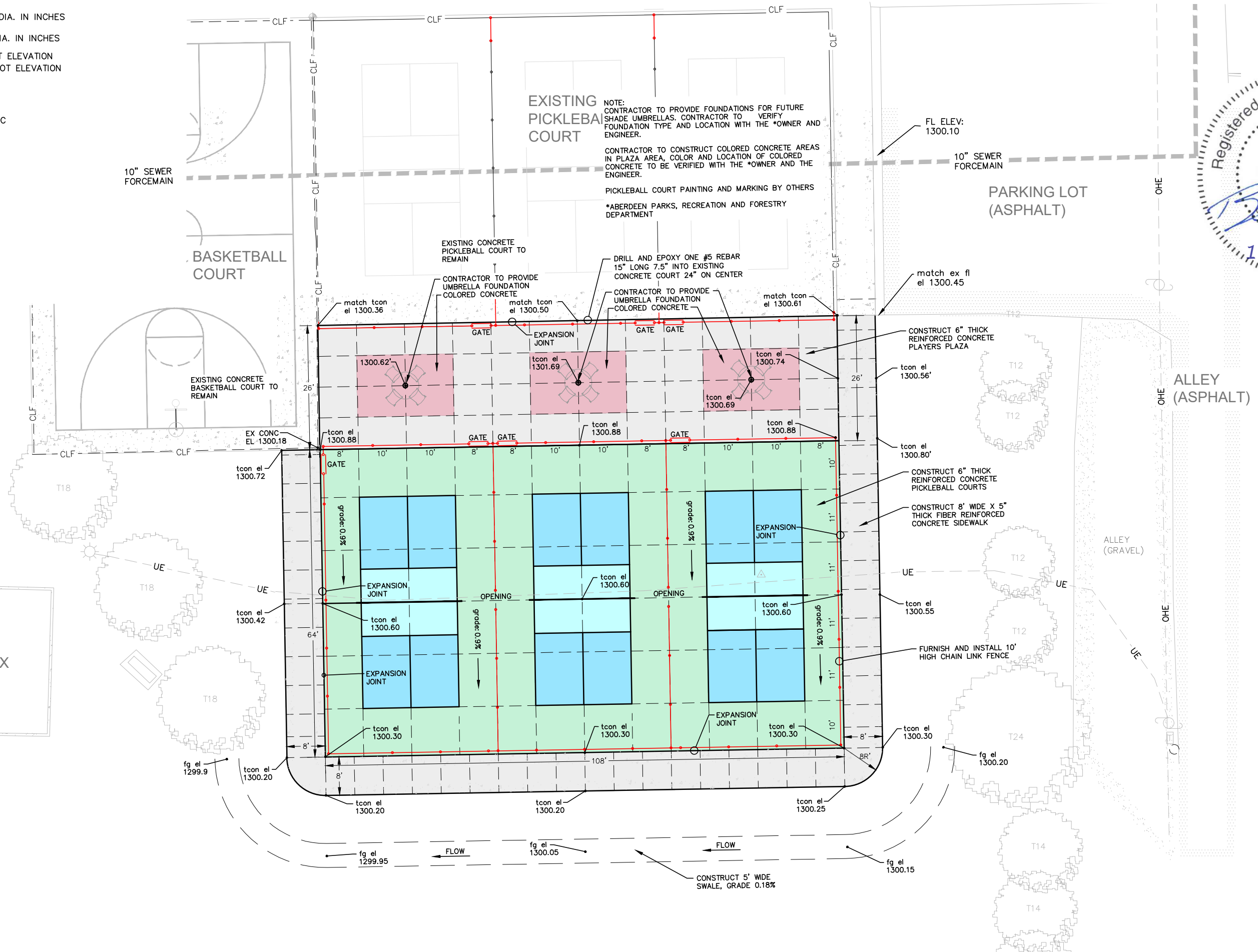
ABERDEEN PARKS AND RECREATION  
MANOR PARK, PICKLEBALL COURT  
ABERDEEN, SOUTH DAKOTA

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LEGEND

- CONIFEROUS TREE W/ DIA. IN INCHES
- DECIDUOUS TREE W/ DIA. IN INCHES
- ±1303.3 EXISTING GROUND SPOT ELEVATION
- 1303.30' PROPOSED GROUND SPOT ELEVATION
- TELEPHONE PEDESTAL
- SANITARY SEWER
- CLF — CHAIN LINK FENCE
- UE — UNDERGROUND ELECTRIC
- OHE — OVERHEAD ELECTRIC
- C — CURB AND GUTTER
- CONCRETE
- ASPHALT
- GRAVEL

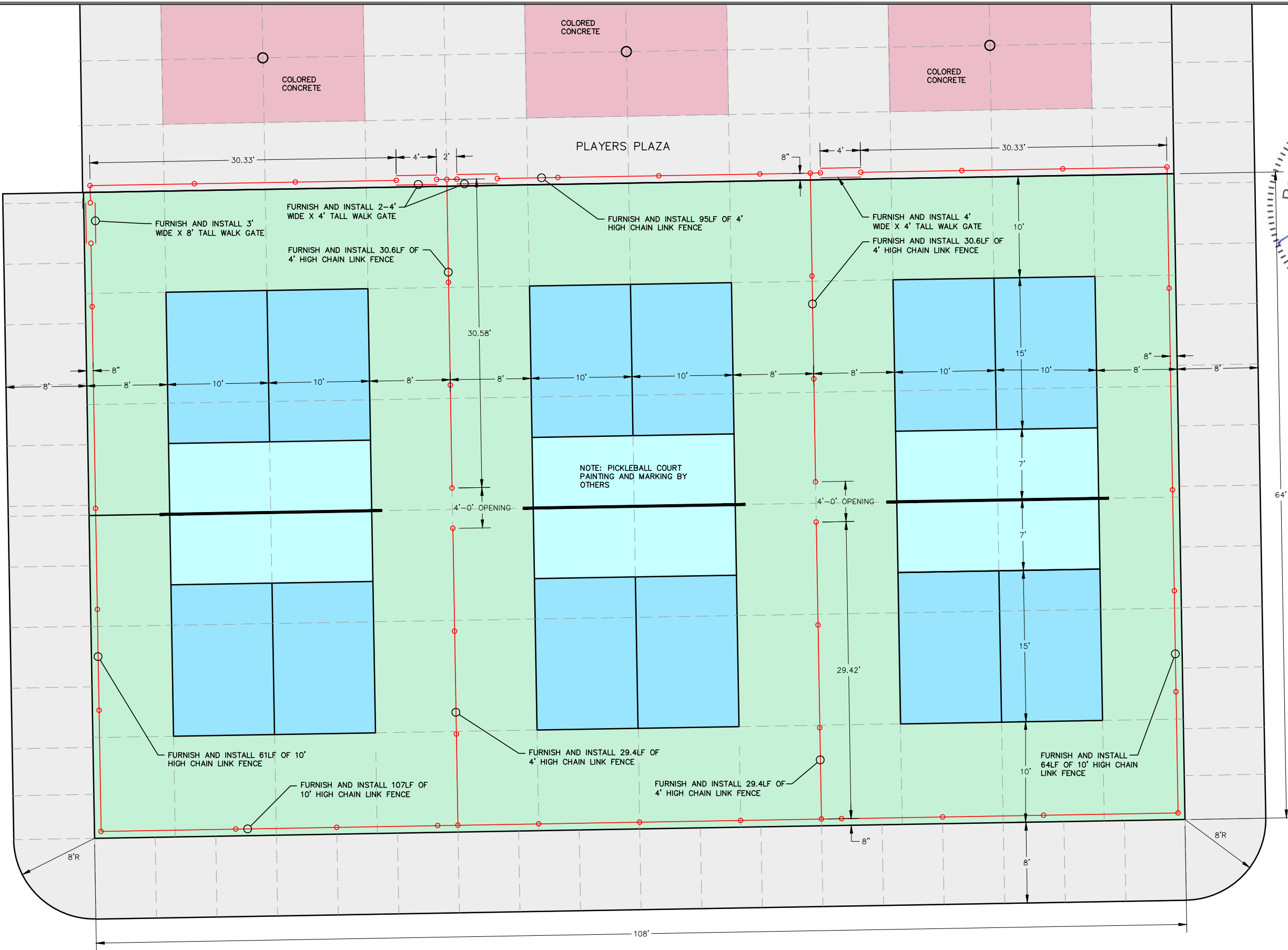


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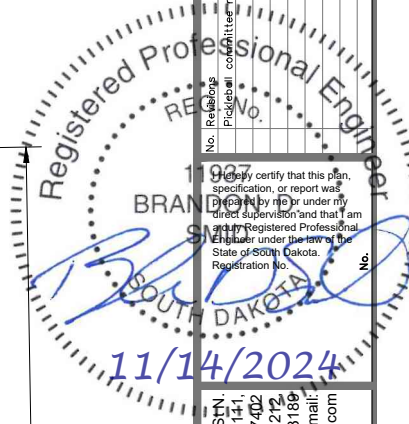


**PROJECT LAYOUT PLAN**  
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MANOR PARK, PICKLEBALL COURT  
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 SCALE  
 11x17 1"=10'  
 24x36 1"=5'



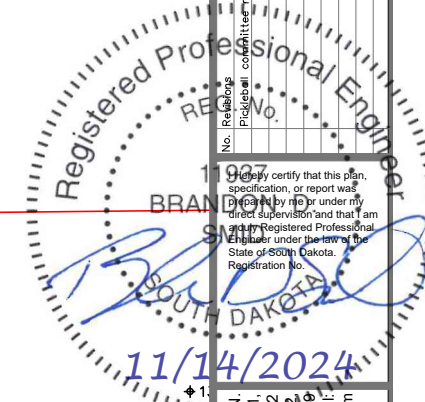
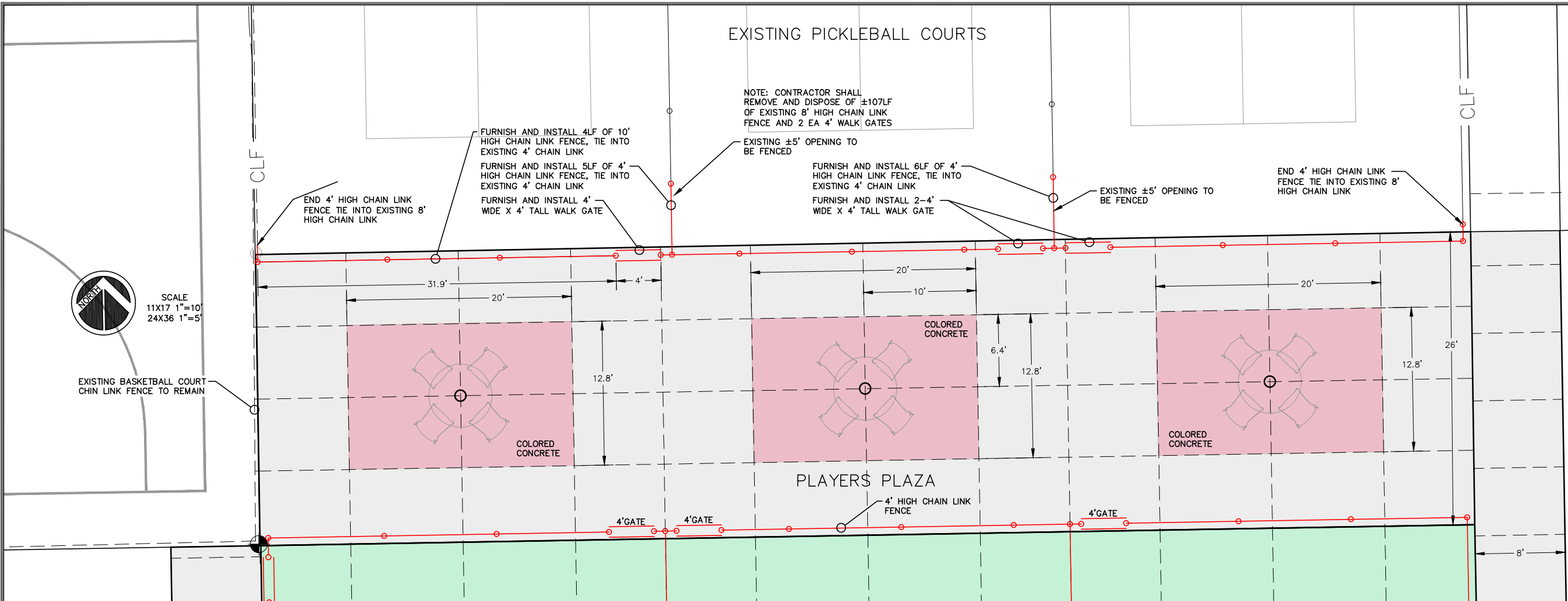
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**COURT LAYOUT PLAN**

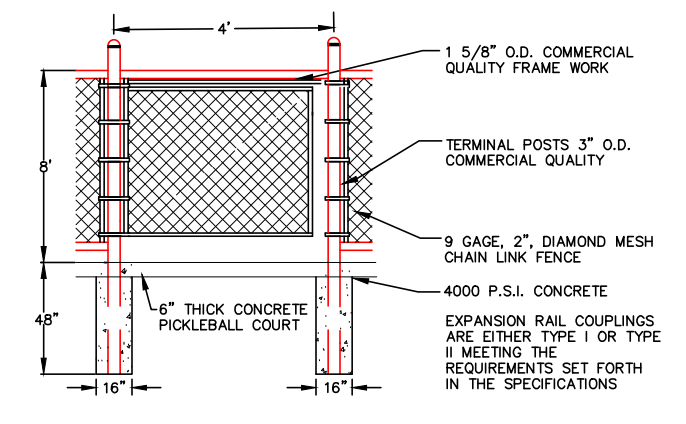
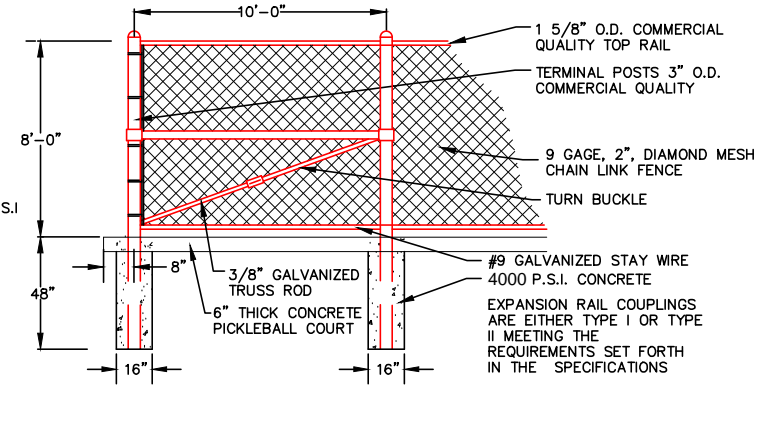
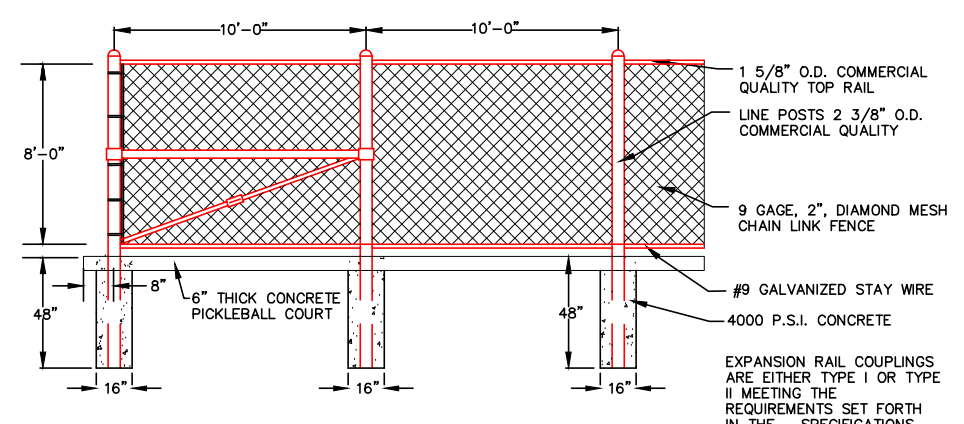
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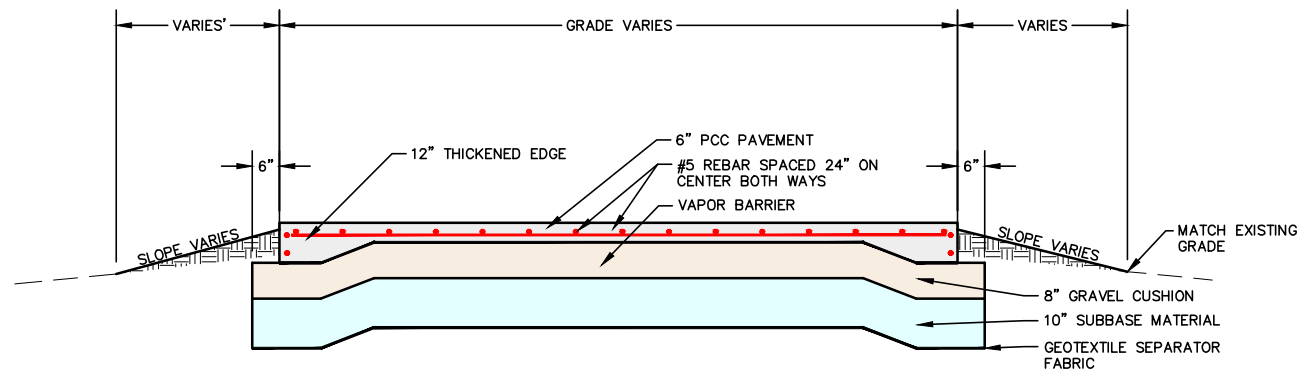
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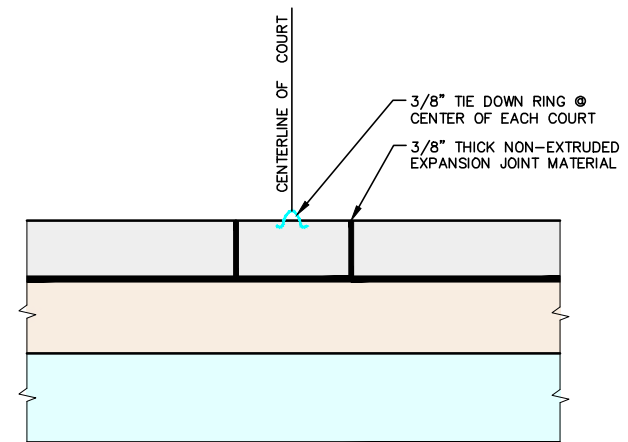
**COURT LAYOUT PLAN, DETAILS**

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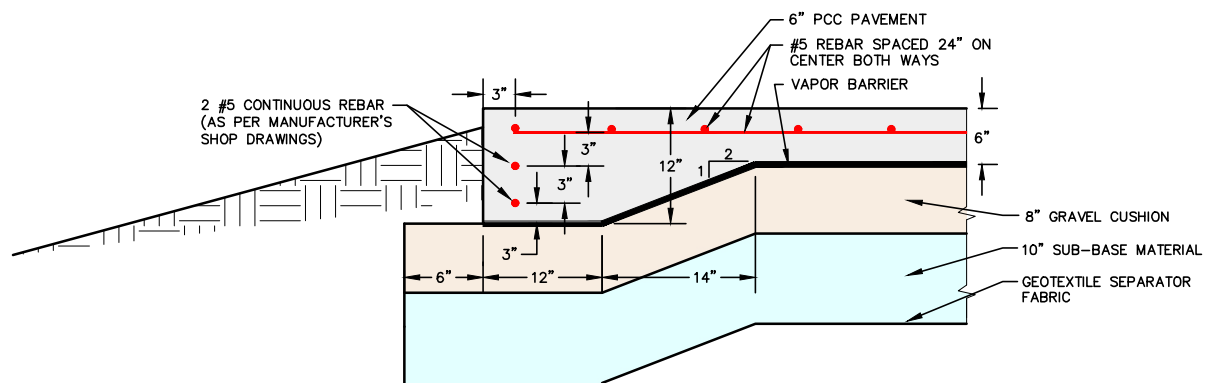
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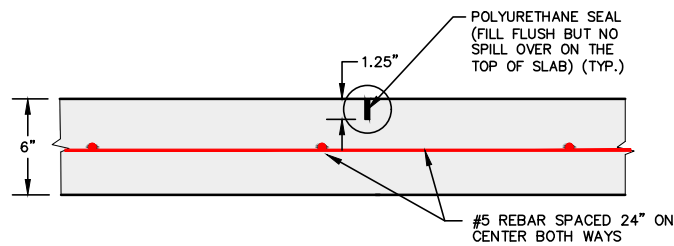
**PICKLEBALL COURT DETAIL**  
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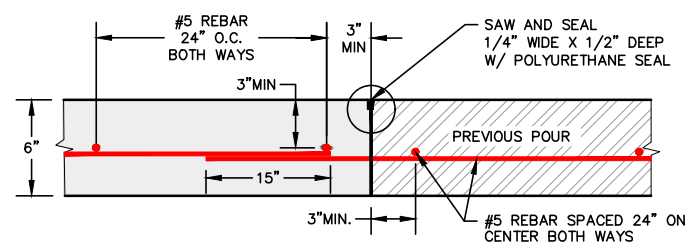
**TYPICAL TIE DOWN RING DETAIL**  
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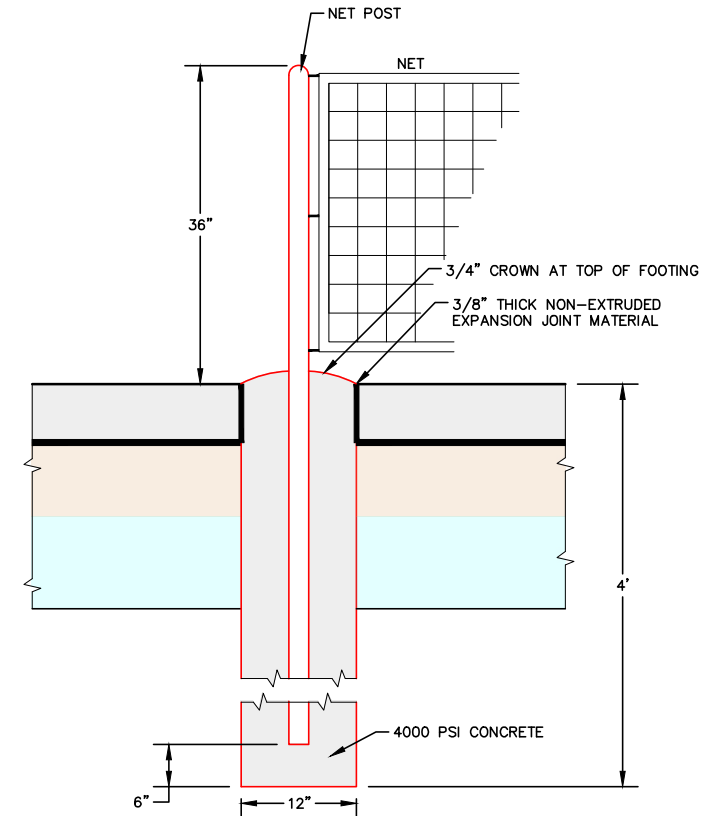
**12" THICKENED EDGE DETAIL**  
NO SCALE



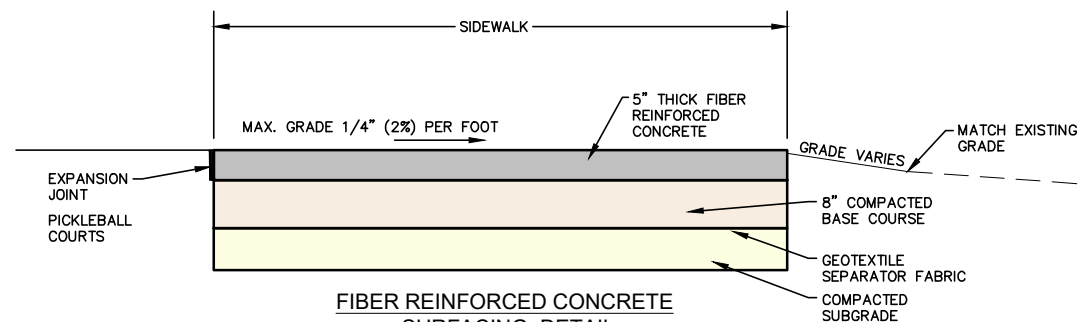
**TYPICAL SAW JOINT DETAIL**  
NO SCALE



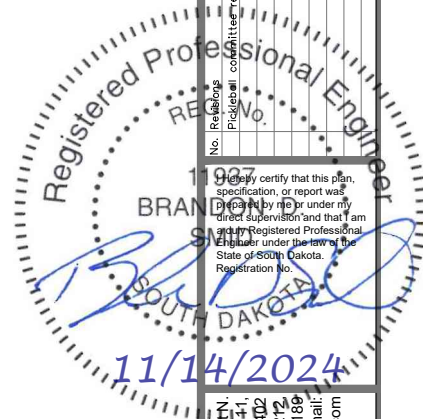
**CONSTRUCTION JOINT DETAIL**  
NO SCALE



**TYPICAL TIE DOWN RING DETAIL**  
NO SCALE



**FIBER REINFORCED CONCRETE SURFACING DETAIL**  
NO SCALE



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