

SITE DATA

- TAX PARCEL NUMBER: 18-021.00-170
- SOURCE OF TITLE: H 115-155
- EXISTING ZONING: RM
- TOPOGRAPHIC SURVEY:
 - FIELD SURVEY BY LANDMARK ENGINEERING, INC. APRIL 2008.

- THE CONTRACTOR IS TO PROVIDE A PRICE PER CUBIC YARD TO UNDERCUT THE EXISTING TENNIS COURT BASE AND PLACE GRADED AGGREGATE BASE COURSE TYPE 'A', ANY UNDER CUTTING WILL BE AS DIRECTED BY THE ENGINEER OR OWNER.
- CONTRACTOR IS TO INSURE THAT THE TYPE 'D' HOT MIX PAVING IS VOID OF PYRITES AND CLAYEY MATERIAL.

GENERAL CONSTRUCTION NOTES

- ALL WORK AND MATERIALS WILL BE IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION (DELDOT) STANDARD SPECIFICATIONS, DATED AUGUST 2001, AND/OR THE DELDOT STANDARD DETAILS, LATEST REVISION, AND THESE PLANS.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK (2004).
- MATCH PROPOSED PAVING AND CURBING ELEVATIONS TO EXISTING PAVING AND CURBING ELEVATIONS WHEREVER THEY ADJOIN.
- SAW CUT AT THE JUNCTION FOR ALL EXISTING PAVEMENT AND FOR ALL PAVEMENT REMOVAL.
- PLAN LOCATIONS AND DIMENSIONS SHALL BE STRICTLY ADHERED TO, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-282-8555 A MINIMUM OF 72 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.
- LANDMARK ENGINEERING, INC. MAKES NO GUARANTEE AS TO THE EXISTENCE OR NON-EXISTENCE, LOCATION, DEPTH, SIZE OR CONDITION OF ANY UNDERGROUND UTILITIES SHOWN ON THIS PLAN NOT ACCESSIBLE FROM THE SURFACE OF THE GROUND. EXISTING UTILITIES ARE SHOWN IN ACCORDANCE WITH INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES AT THE TIME THE PLAN WAS PREPARED. THE CONTRACTOR IS TO COORDINATE ALL WORK WITH UTILITY COMPANIES INVOLVED.

IT IS THE RESPONSIBILITY OF THE OWNER, OR HIS CONTRACTOR, TO VERIFY AND ALLOW FOR THE LOCATION AND DEPTH OF THE UNDERGROUND UTILITIES WITHIN THE WORK AREA SHOWN ON THIS PLAN. THE CONTRACTOR SHALL NOT BEGIN ANY EXCAVATION OR OTHER CONSTRUCTION AROUND OR IMMEDIATELY ADJACENT TO SEVENTY-TWO (72) HOURS IN ADVANCE OF THE START OF EXCAVATION OR CONSTRUCTION. TEST PITS FOR UTILITY LOCATIONS MAY OR MAY NOT BE REQUIRED.

PRIOR TO ANY CONSTRUCTION, IT IS RECOMMENDED THE CONTRACTOR EXCAVATE IN THE AREA OF ANY POTENTIAL UTILITY CROSSING TO VERIFY THAT THE UTILITY WILL NOT INTERFERE WITH CONSTRUCTION. IF, AFTER UNCOVERING THE UTILITY, THERE IS ANY QUESTION CONCERNING A POSSIBLE CONFLICT, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE DONE TO THEM DUE TO HIS NEGLIGENCE SHALL BE IMMEDIATELY AND COMPETENTLY REPAIRED AT HIS EXPENSE.

- EXISTING AERIAL UTILITIES ARE NOT SHOWN.
- ALL NECESSARY PERMITS, LICENSES, BONDS, INSURANCE POLICIES, ETC. REQUIRED BY LOCAL STATE AND/OR FEDERAL LAWS SHALL BE PROVIDED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- ALL AREAS NOT COVERED BY PAVING OR BUILDING SHALL RECEIVE (4"/6") MINIMUM OF TOPSOIL, SEED, AND MULCH AS SOON AS FINAL GRADING IS COMPLETE.
- NO DEBRIS SHALL BE BURIED ON SITE.
- DISPOSITION OF ANY EXCESS EXCAVATION AND TOPSOIL TO BE AT THE DISCRETION OF THE OWNER.
- CONTRACTOR IS TO SUBMIT SIX (6) SETS OF SHOP DRAWINGS PRIOR TO CONSTRUCTION.
- ALL CHAIN LINK FENCING SHALL BE IN ACCORDANCE WITH THE PLANS.

15. THE TENNIS COURT COATING SHALL BE PLEXIPAVE AS MANUFACTURED BY CALIFORNIA PRODUCTS CORPORATION OR APPROVED AND AS FOLLOWS:

A. DESCRIPTION: THIS SPECIFICATION COVERS THE APPLICATION OF A NEW WEARING SURFACE TEXTURE FOR PLEXIPAVE TENNIS COURTS AND NEW OR EXISTING ASPHALT CONCRETE TENNIS COURTS THAT HAVE A SOUND, WELL-DRAINED BASE OF ADEQUATE THICKNESS AND STABILITY. EXISTING SURFACES SHOULD BE PROPERLY SLOPED FOR GOOD DRAINAGE, AND FREE FROM CRACKS. THE PROCESS CONSISTS OF THE REPAIR OF ANY MINOR DEPRESSIONS, FOLLOWED BY APPLICATION OF THE PLEXIPAVE SYSTEM.

- B. MATERIALS:
- PLEXIPAVE COURT PATCH BINDER - SHALL COMPLY WITH SPECIFICATION 10.14 OF CALIFORNIA PRODUCTS CORPORATION OR APPROVED EQUAL.
 - PLEXIPATCH SHALL COMPLY WITH SPECIFICATION 10.21 OF CALIFORNIA PRODUCTS CORPORATION OR APPROVED EQUAL.
 - ACRYLIC RESURFACER - SHALL COMPLY WITH SPECIFICATION 10.8 OF CALIFORNIA PRODUCTS CORPORATION OR APPROVED EQUAL.
 - PLEXIPAVE COLOR BASE - SHALL CONFORM TO SPECIFICATION 10.5 OF CALIFORNIA PRODUCTS CORPORATION OR APPROVED EQUAL.
 - PLEXICHROME - SHALL CONFORM TO SPECIFICATION 10.1 OF CALIFORNIA PRODUCTS CORPORATION OR APPROVED EQUAL.
 - PLEXICOLOR LINE PAINT - SHALL CONFORM TO SPECIFICATION 10.4 OF CALIFORNIA PRODUCTS CORPORATION OR APPROVED EQUAL.
 - WATER - THE WATER USED IN ALL MIXTURES SHALL BE FRESH AND POTABLE.

C. CONSTRUCTION:

1. SURFACE PREPARATION - THE SURFACE TO BE COATED MUST BE SOUND, SMOOTH, AND FREE FROM DUST, DIRT OR OILY MATERIALS. PRIOR TO THE APPLICATION OF SURFACING MATERIALS, THE ENTIRE SURFACE SHOULD BE FLOODED, AND CHECKED FOR MINOR DEPRESSIONS OR IRREGULARITIES. ANY PUDDLED AREA COVERING A NICKEL SHALL BE MARKED AND REPAIRED WITH COURT PATCH BINDER USING THE FOLLOWING MIX:
 100 LBS. 60-80 MESH SILICA SAND (DRY)
 3 GALLONS PLEXIPAVE COURT PATCH BINDER
 1 TO 2 GALLONS PORTLAND CEMENT (DRY) (DEPENDING ON HUMIDITY AND TEMPERATURE)
 TACK COAT CONSISTING OF 1 PART COURT PATCH BINDER AND 2 PARTS WATER SHALL BE APPLIED TO THE PATCH AREAS AND ALLOWED TO DRY THOROUGHLY PRIOR TO PATCHING. FOR MORE INFORMATION SEE CPC SPECIFICATION 10.14 OR 10.21.
 AFTER PATCHING, THE SURFACE SHALL NOT VARY MORE THAN 1/8 INCH IN TEN FEET MEASURED IN ANY DIRECTION.

2. SURFACE PREPARATION: IN ORDER TO PROVIDE A SMOOTH, DENSE UNDERLAYMENT FOR PLEXIPAVE SYSTEM, ONE APPLICATION OF CALIFORNIA ACRYLIC RESURFACER SHALL BE APPLIED TO THE SURFACE TO OBTAIN A COVERAGE OF 15-20 SQ.YDS. PER GALLON (.07-.09 GALLONS PER SQUARE YARD). NO APPLICATION SHALL BE COVERED BY A SUCCEEDING APPLICATION UNTIL THOROUGHLY CURED. DILUTION WITH WATER AND SAND IS REQUIRED UTILIZING THE FOLLOWING MIX:

- | | |
|---------------------------|-----------------|
| ACRYLIC RESURFACER | 55 GALLONS |
| WATER (CLEAN AND POTABLE) | 20-40 GALLONS |
| SAND (45-60 MESH) | 600-900 LBS. |
| LIQUID YIELD | 112-138 GALLONS |

E. FORTIFIED PLEXIPAVE:

1. FORTIFIED PLEXIPAVE SHALL BE APPLIED BY RUBBER BLADED SQUEEGEE ON THE CLEAN, DRY SURFACE IN 3 APPLICATIONS TO OBTAIN A TOTAL QUANTITY OF NOT LESS THAN .15 NOR MORE THAN .23 GALLONS PER SQ.YD. OF AREA, BASED ON THE MATERIAL PRIOR TO ANY DILUTION. NO APPLICATION COVERED BY A SUCCEEDING APPLICATION UNTIL THOROUGHLY CURED.
 FORTIFIED PLEXIPAVE CAN BE JOB MIXED AS FOLLOWS:

- | | |
|----------------------|------------|
| PLEXIPAVE COLOR BASE | 30 GALLONS |
| PLEXICHROME | 20 GALLONS |
| WATER | 20 GALLONS |

THE DILUTED MATERIAL SHALL BE HOMOGENOUS. SEGREGATION BEFORE OR DURING APPLICATION WILL NOT BE PERMITTED. THE FINISHED SURFACE SHALL HAVE A UNIFORM APPEARANCE AND BE FREE FROM RIDGES AND TOOL MARKS.

F. PLAYING LINES: FOUR HOURS MINIMUM AFTER COMPLETION OF THE COLOR RESURFACING, 2-INCH WIDE PLAYING LINES SHALL BE ACCURATELY LOCATED, MARKED, AND PAINTED WITH PLEXICOLOR LINE PAINT AS SPECIFIED BY U.S. TENNIS ASSOCIATION.

G. LIMITATIONS: NO PART OF THE CONSTRUCTION INVOLVING THE PLEXIPAVE SYSTEM SHALL BE CONDUCTED DURING RAINFALL OR WHEN RAINFALL IS IMMINENT. THE AIR TEMPERATURE MUST BE AT LEAST 50°F AND RISING. DO NOT APPLY WHEN SURFACE TEMPERATURE IS ABOVE 140°. THE PLEXIPAVE SYSTEM WILL NOT PREVENT SURFACE OR STRUCTURAL CRACKS FROM REOCCURRING.

H. THE CONTRACTOR INSTALLING THE TENNIS COURT COATING SHALL HAVE A MINIMUM OF FIVE (5) YEARS EXPERIENCE INSTALLING TENNIS COURT SURFACES.

CERTIFICATION OF ACCURACY

I, TED C. WILLIAMS, A PROFESSIONAL ENGINEER IN THE STATE OF DELAWARE HEREBY CERTIFY THE ACCURACY OF THE TOPOGRAPHY AND COMPLIANCE WITH APPLICABLE CODES AND STANDARDS.

DATE _____ TED C. WILLIAMS DE # 8461

CERTIFICATION OF OWNER

I, _____, HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY WHICH IS THE SUBJECT OF THIS PLAN AND THAT THE LAND USE ACTION PROPOSED BY THIS PLAN IS MADE AT MY DIRECTION AND THAT I AUTHORIZE THIS PLAN TO BE APPROVED PURSUANT TO THE RECORD PLAN (INSTRUMENT NUMBER _____) IN ACCORDANCE WITH THE REGULATIONS OF THE NEW CASTLE COUNTY UNIFIED DEVELOPMENT CODE.

FURTHERMORE, I HEREBY CERTIFY THAT ALL LAND CLEARING, CONSTRUCTION, AND DEVELOPMENT SHALL BE PURSUANT TO THE APPROVED PLAN AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED WILL HAVE A CERTIFICATE OF TRAINING FROM DNREC. DNREC AND NEW CASTLE COUNTY PERSONNEL SHALL HAVE THE RIGHT TO CONDUCT ON-SITE INSPECTIONS.

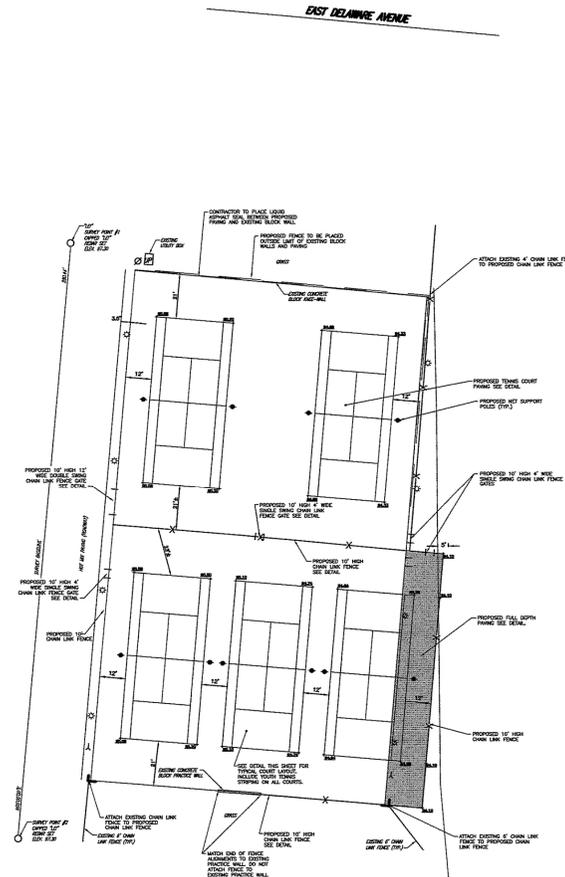
SIGNATURE _____ DATE _____

INDEX PLAN

TENNIS COURT RECONSTRUCTION

NEWARK HIGH SCHOOL

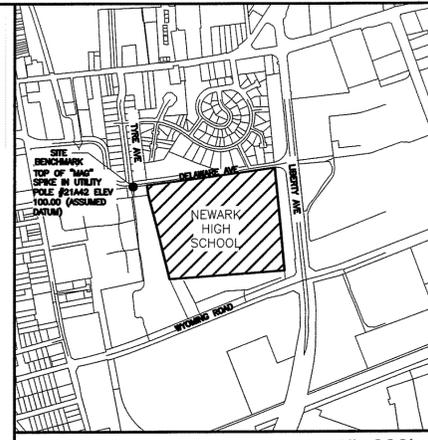
CITY OF NEWARK - NEW CASTLE COUNTY DELAWARE



PLAN INDEX

SCALE 1" = 40'

THE PURPOSE OF THIS PLAN IS TO RECONSTRUCT THE EXISTING TENNIS COURTS.



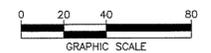
LOCATION MAP MAP NO. XX 1"=800'

PLAN INDEX

- | | |
|--|-------|
| INDEX PLAN | CC-01 |
| EXISTING CONDITIONS - DEMOLITION PLAN | CC-02 |
| SITE LAYOUT - GRADING PLAN | CC-03 |
| SITE CONSTRUCTION DETAILS AND TYPICAL SECTIONS | CC-04 |

**INDEX PLAN
TENNIS COURT RECONSTRUCTION
FOR
NEWARK HIGH SCHOOL
CITY OF NEWARK - NEW CASTLE COUNTY
DELAWARE**

OWNER/DEVELOPER
CHRISTINA SCHOOL DISTRICT
600 N. LOMBARD STREET
WILMINGTON, DE 19801
(302)454-2400 X209



THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.

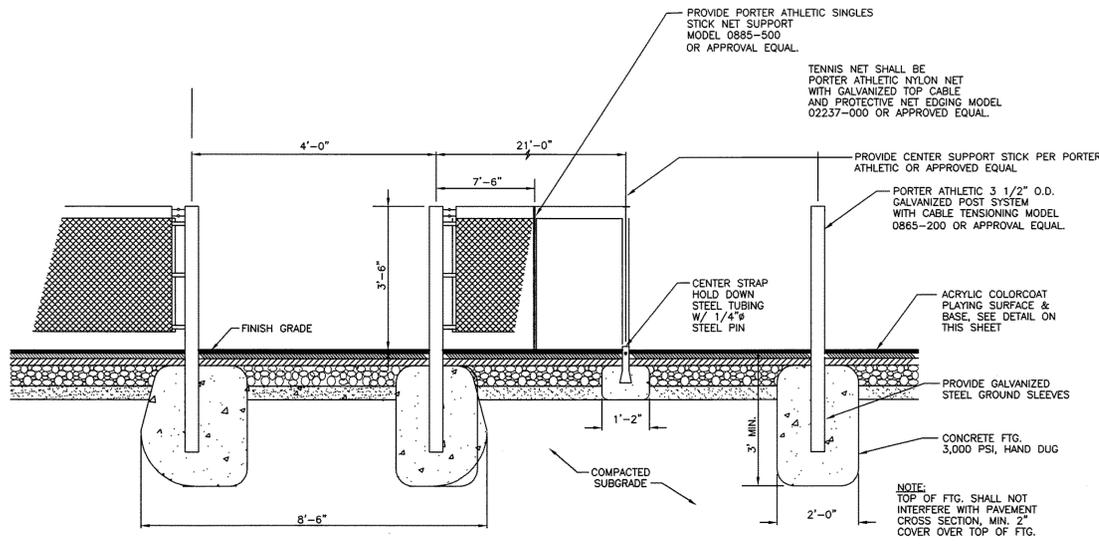
ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND THE RULES AND REGULATIONS THEREOF APPROPRIATE



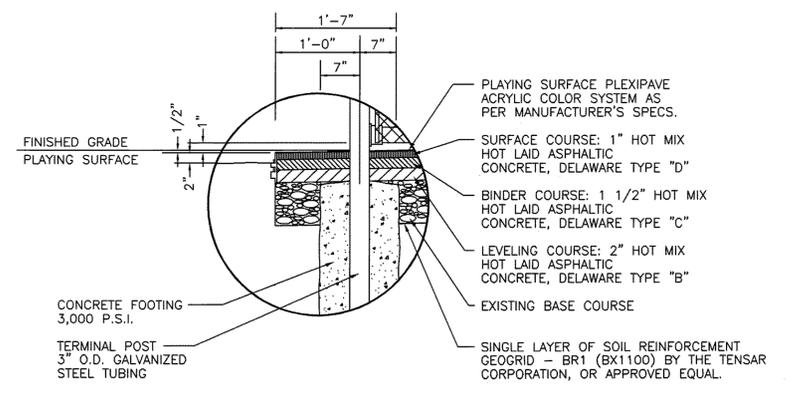
Know what's below.
Call before you dig.

MISS UTILITY PHONE 1-800-257-7777
PROTECT YOURSELF, GIVE THREE WORKING DAYS NOTICE

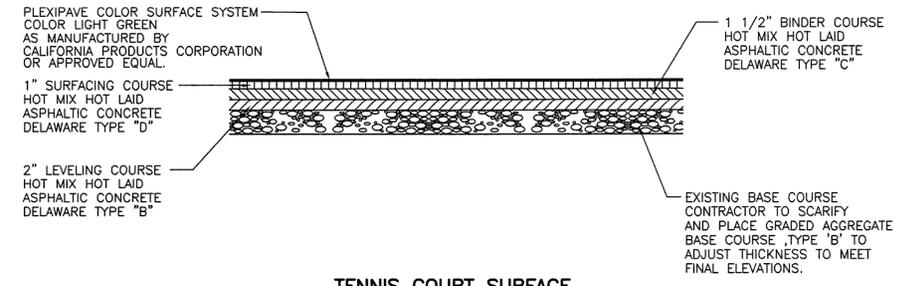
| REVISIONS | CHECKED BY | LANDMARK ENGINEERING CIVIL AND SITE ENGINEERING SPECIALISTS | | | |
|--------------------|-----------------|---|---------------|--|--|
| 1. REVISED 1/13/12 | TCW 1/11/12 | ONE CORPORATE COMMONS • SUITE 301 • NEW CASTLE, DELAWARE PHONE - (302) 323-9377 • FAX - (302) 323-9461 INFO @ LANDMARKENGINEERING.COM • WWW.LANDMARKENGINEERING.COM | | | |
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| | | SCALE: 1" = 40' | DRAWN BY: AML | | |
| DESIGNED BY: TCW | CHECKED BY: TCW | DRAWING NAME: INDEX.DWG | CC-01 | | |
| DATE: 5-07-08 | COMM. NO. C2034 | FILE NO. 002 | | | |



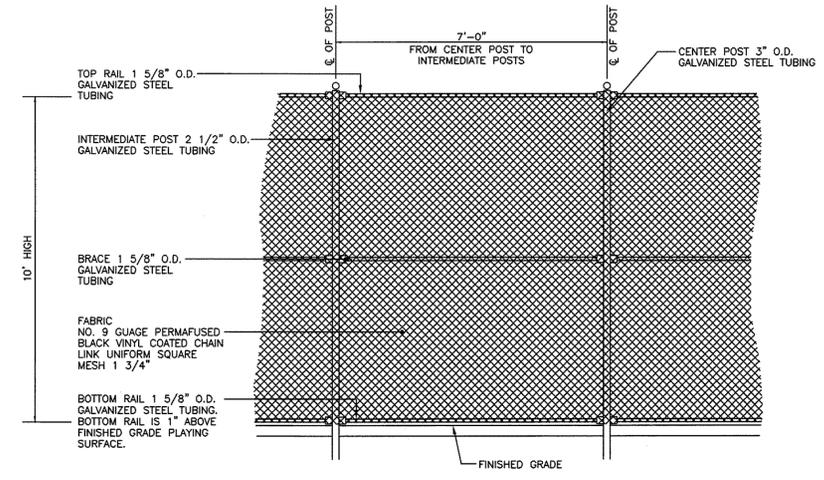
TENNIS NET POSTS & CENTER STRAP ANCHOR
N.T.S.



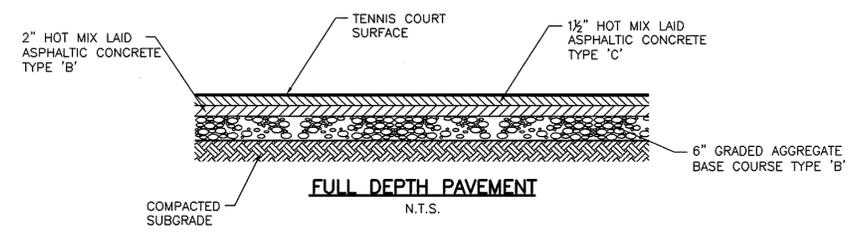
FENCE ENLARGED SECTION
N.T.S.



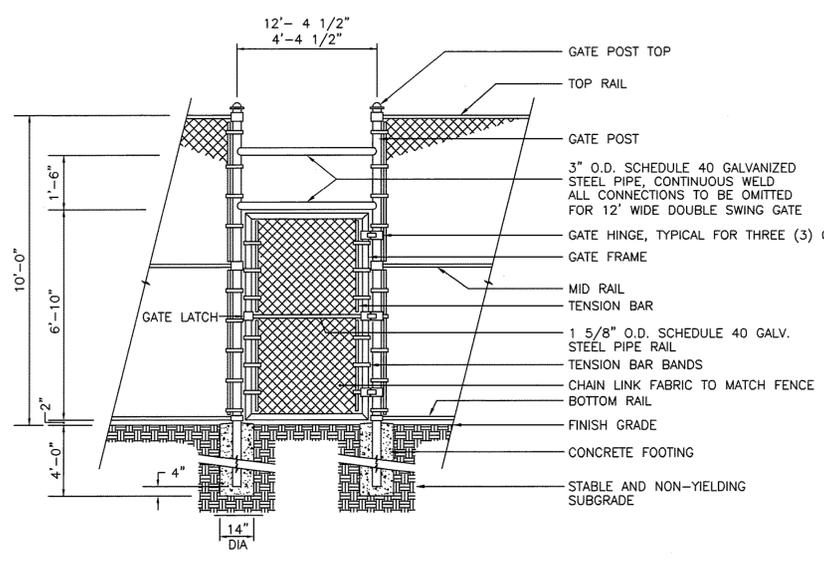
TENNIS COURT SURFACE
N.T.S.



TENNIS COURT FENCING CENTER BRACED POSTS
N.T.S.



FULL DEPTH PAVEMENT
N.T.S.



FENCE GATE & PORTAL DETAIL
N.T.S.

SITE CONSTRUCTION DETAILS AND TYPICAL SECTION

FOR
NEWARK HIGH SCHOOL
CITY OF NEWARK - NEW CASTLE COUNTY
DELAWARE

OWNER/DEVELOPER
CHRISTINA SCHOOL DISTRICT
600 N. LOMBARD STREET
WILMINGTON, DE 19801
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| 1. REVISED 1/13/12 | TCW 1/11/12 | | |

CC-04

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