



Town of East Hartford

ADDENDUM N^o. 02

**EAST HARTFORD HIGH SCHOOL
TENNIS COURT RENOVATION
Bid No. 15-25**

Issued June 10, 2015

The following summarizes revisions to the Bid Documents included in Addendum N^o. 02 for the EAST HARTFORD HIGH SCHOOL TENNIS COURT RENOVATION (Bid No. 15-25):

- Attached: PRE-BID MEETING MINUTES and the PRE-BID SIGN IN SHEET from the mandatory pre-bid held Tuesday, June 9, 2015 at 10:00 AM at the East Hartford High School Tennis Facility located at 869 Forbes Street.
- The bid form was revised to include Add Alternate # 1 for coating of existing fence framing to be re-used.
- Section 9.13 “CHAIN LINK FENCE” was revised to delete tension wire and specify the location of the fabric on the frame.
- Appendix E was revised to include updated Connecticut Department of Labor Minimum Rate and Classifications for Heavy/Highway Construction.
- Sheet DM-1 was revised to clarify scope of fence demolition.
- Sheet SP-1 was revised to clarify scope of new fence system, gates and new fence fabric locations.
- Sheet GDU-1 was revised based on electrical coordination.
- Sheet DN-1 was revised to include USTA comments on striping width and fence system bottom rail.

The following documents & drawings are attached and included in Addendum N^o. 02:

Revised Bid Documents

- Replace Pages 20 & 21 of the Contract Documents
- Replace Pages 128 to 135 of the Contract Documents
- Replace Appendix E – Pages 178 to 191 of the Contract Documents

- Replace Drawing Sheet DM-1
- Replace Drawing Sheet SP-1
- Replace Drawing Sheet DN-1
- Replace Drawing Sheet GDU-1

Documents issued for reference only. (The lighting contractor will be responsible for this scope.)

Sheet E0.01 Electrical General Notes, Symbol Legend, Abbreviations, and Specifications

Sheet E0.02 Electrical Panel Schedules, One Line Diagrams, and Details

Sheet E1.01 Electrical Site Plan

End of Addendum N^o. 02

MARCIA A. LECLERC
MAYOR

TOWN OF EAST HARTFORD

740 Main Street
East Hartford, Connecticut 06108

Phone: 860 291-7380
Fax: 860 289-0831

ENGINEERING DIVISION

PRE-BID MEETING MINUTES

*Tuesday, June 9, 2015 @ 10:00 AM
East Hartford High School Tennis Facility, 869 Forbes Street*

TENNIS COURT RENOVATIONS EAST HARTFORD HIGH SCHOOL

TOWN BID NO. 15-25

- I. Introduction
 - a. See attached sign-in sheets for list of attendees.
 - b. Only companies with a person in attendance at the pre-bid meeting will be allowed to bid.
- II. Scope of Work/Bidding Requirements
 - a. Reviewed the "Invitation to Bid", noted location of bid opening – Town Hall, Purchasing Department, Lower Level
 - b. Reviewed "Standard Instructions For Bidders" & "Instructions for Construction and/or Labor Service Bids"
 - c. Indicated the need for a company resolution with the bid (there is one for every company type)
 - d. Indicated the intent of the linear foot pricing for the New Electric Service
 - e. Indicated that the bid is for site work only. Any work requiring an electrician will be completed by the electrical subcontractor to Musco, which will be providing the site lighting. Cooperation is required between the awarded bidder and Musco/their electrician to complete the work.
- III. Questions
 - a. *Asked to clarify the extent of new chain-link fence vs. the replacement of chain-link fabric and gates.*

Answer: Drawing SP-1 has been revised to clarify the extent of new fence vs. areas of replacement fabric.
 - b. *Asked to clarify the cracks that must be repaired on the East Courts prior to application of the tennis court surface. Asked to clarify if the large crack under the chain-link fence that separates the northeast and southeast tennis courts also requires repair.*

Answer: As noted on page 146 of the Contract Documents, "...all cracks are treated with Armor Crack or approved equal system". The large crack under the chain-link fence that

separates the northeast and southeast tennis courts shall also be repaired. This likely requires temporary removal of the bottom rail of the existing fence system.

- c. *Asked to indicate the estimated value of the project.*

Answer: The project is expected to cost between \$215,000 and \$360,000.

IV. Site Walk

- a. Reviewed the existing conditions at the site.
- b. Indicated the location of enhanced tree and brush removal at the northwest corner of the facility.
- c. Reviewed the route for the new electric service conduits (shown on the revised GDU-1 drawing).

V. Closing

- a. Addendum #1 was already issued – on the Town's web page
- b. Addendum #2 is expected tomorrow (June 10)
- c. Remaining questions from bidders should be submitted to the Purchasing Agent no later than Friday, June 12.
- d. If needed, a final Addendum #3 will be issued on Monday, June 15 to answer bidder questions.

**TOWN OF EAST HARTFORD, CT
PURCHASING DEPARTMENT
MANDATORY PRE-BID SIGN IN SHEET**

**BID # 15-25 – EAST HARTFORD HIGH SCHOOL TENNIS COURT
RENOVATION**

**DATE: TUESDAY, JUNE 9, 2015 @ 10:00 A.M. EAST HARTFORD HIGH SCHOOL,
869 FORBES STREET, EAST HARTFORD, CT. 06108**

PRINT CLEARLY

COMPANY & YOUR NAME MATHER Corp.
ADDRESS: 21 W. DUDLEY TOWN RD, BLOOMFIELD, CT 06002
Phone # 860 250 9309 Fax # 860-242-1493 ZIP CODE
PRIMARY EMAIL MICHAELAMATO@MATHERCORP.COM.

COMPANY & YOUR NAME HASTIE FENCE PAUL GERMANO
ADDRESS: 44 RAMON CIn SOUTH. AUBURN MA 01001
Phone # 413. 786. 1254 Fax # 413. 786. 4306 ZIP CODE
PRIMARY EMAIL PGERMANO@HASTIEFENCE.COM.

COMPANY & YOUR NAME EDI Fence & Landscape - EDGAR DREYER.
ADDRESS: 32 BELMONT ST. HARTFORD, CT 06106
Phone # 860-883-7612 Fax # _____ ZIP CODE
PRIMARY EMAIL EDREYER@EDILandscape.com

COMPANY & YOUR NAME SELECT FENCE
ADDRESS: 1175 STATE ST NEW HAVEN CT 06511
Phone # 203 468 0468 Fax # 203 843-2226 ZIP CODE
PRIMARY EMAIL tylergags@comcast.net
tylergags@comcast.net
Selectfence@aol.net

**TOWN OF EAST HARTFORD, CT
PURCHASING DEPARTMENT
MANDATORY PRE-BID SIGN IN SHEET**

**BID # 15-25 – EAST HARTFORD HIGH SCHOOL TENNIS COURT
RENOVATION**

**DATE: TUESDAY, JUNE 9, 2015 @ 10:00 A.M. EAST HARTFORD HIGH SCHOOL,
869 FORBES STREET, EAST HARTFORD, CT. 06108**

PRINT CLEARLY

COMPANY & YOUR NAME MARTIN LAVIERO CONTRACTORS

ADDRESS: 611 NORTH MAIN ST BRISTOL, CT 06010 ZIP CODE

Phone # 860-589-7579 Fax # 860-585-6651

PRIMARY EMAIL dan@martinlaviero.com

COMPANY & YOUR NAME Dylton Track + Tennis Brent Boemmels

ADDRESS: 108 Blcks Rd Cheshire CT 06410 ZIP CODE

Phone # 203 250 2187 Fax # 203 250 2188

PRIMARY EMAIL Tod @ trackandtennis.com

COMPANY & YOUR NAME HINDING TENNIS LLC

ADDRESS: 24 SPRING STREET WEST HARTFORD CT 06116 ZIP CODE

Phone # 203-285-3055 Fax # 203-285-3033

PRIMARY EMAIL STEVE@HINDINGTENNIS.COM

COMPANY & YOUR NAME _____

ADDRESS: _____ ZIP CODE

Phone # _____ Fax # _____

PRIMARY EMAIL _____

TOWN OF EAST HARTFORD

BID PROPOSAL SHEET

EAST HARTFORD HIGH SCHOOL TENNIS COURT RENOVATION Bid # 15-25

Bidder will complete the Work in accordance with the Contract Documents for the following, all inclusive price:

Lump Sum Base Bid	(In words)	
	(In Numerals)	\$
New Electric Service (see "A" below)	(In words) 300 LF multiplied by _____ per linear foot = _____	
	(In Numerals)	\$
Total Bid Price	(In words)	
	(In Numerals)	\$
Alternate #1	(In words)	
	(In Numerals)	\$

- A. For the Linear Foot Bid Price for the New Electric Service, the bidder shall include furnish and install a new electrical service conduit system to the one-story concrete block building. This shall include, but not be limited to, approximately 300 foot underground service lateral conduit system, two parallel 4" PVC schedule 40 PVC conduits (one spare), and nylon pull rope in each conduit, trenching, backfill and marking tape, and surface restorations, Terminate each conduit at the manhole with RMC conduit with bell end fitting and provide Eversource utility coordination. The utility company will provide and install service lateral conductors from the secondary terminals of the utility transformer to the terminals of the self-contained meter socket. conduit
- B. Alternate # 1 shall include the removal of rust and lose paint from the existing fence posts and framing to remain and the application of a one part coating such as Rust Grip (color black) or approved equivalent to the existing fence posts and framing to remain.
- C. The undersigned understands that there may be changes, omissions, or modification in the work, and that appropriate adjustments will be made to the Contract price in accordance with the Contract Documents. The undersigned understands that the Owner reserves the right to accept or reject any or all bids, and to waive all formalities, any irregularities, and accept the Bid deemed to be in the Owner's best interest.
- D. Bid prices shall not include any sales, excise or other taxes for which the Owner is not liable.
- E. Town of East Hartford is the awarding authority. The Bidder agrees to hold the above pricing for thirty (30) days, unless extended by mutual consent.
- F. The Bidder hereby agrees to commence Work under this Contract within ten (10) days of written Notice to Proceed from the Town, and to complete the work of all base bid items within NINETY (90) CALENDAR DAYS thereafter. The Bidder further agrees to pay as liquidated damages, the sum of FIVE HUNDRED DOLLARS (\$500.00) for each consecutive calendar day beyond the date of completion. Liquidated

BID PROPOSAL SHEETS

EAST HARTFORD HIGH SCHOOL TENNIS COURT RENOVATION

damages are not intended as a penalty but rather shall be construed as a best estimate of damages which the Town will suffer due to Bidder's refusal, failure or neglect to perform pursuant to his Bid and Contract Documents.

- G. The Bid security in the sum of: 5% OF TOTAL BID is to become the property of the Town in the event the above forms are not executed within the time set forth above, as liquidated damages, and not as a penalty for the delay and additional expense to the Town caused thereby.

Respectfully Submitted By:

(Signature) _____

Name (Please Print): _____

Title: _____

Company: _____

Business Address: _____

Business Phone: _____ () _____

Business Fax: _____ () _____

Email Address: _____

SECTION 9.13 CHAIN LINK FENCE

Replace Section 9.13 with the following:

SUMMARY

Section Includes:

Chain-link fences.

Gates: swing.

Related Sections:

Section "Concrete" for cast-in-place concrete post footings.

PERFORMANCE REQUIREMENTS

Delegated Design: Design chain-link fences and gates, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated.

Structural Performance: Chain-link fence and gate framework shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated according to ASCE/SEI 7:

Minimum Post Size: Determine according to ASTM F 1043 for framework up to **12 feet** high, and post spacing not to exceed **10 feet**.

SUBMITTALS

Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for chain-link fences and gates.

Fence and gate posts, rails, and fittings.

Chain-link fabric, reinforcements, and attachments.

Gates and hardware.

Shop Drawings: Include plans, elevations, sections, details, and attachments to other work. Show accessories, hardware, gate operation, and operational clearances.

Samples for Initial Selection: For components with factory-applied color finishes.

SECTION 9.13 CHAIN LINK FENCE

EAST HARTFORD HIGH SCHOOL TENNIS COURT RENOVATION

Samples for Verification: Prepared on Samples of size indicated below:

Polymer-Coated Components: In **6-inch** lengths for components and on full-sized units for accessories.

Delegated-Design Submittal: For chain-link fences and gate framework indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

Qualification Data: For qualified professional engineer.

Product Certificates: For each type of chain-link fence, operator, and gate, from manufacturer.

Product Test Reports: For framing strength according to ASTM F 1043.

Field quality-control reports.

Operation and Maintenance Data: For the following to include in emergency, operation, and maintenance manuals:

Polymer finishes.

Gate hardware.

Warranty: Sample of special warranty.

QUALITY ASSURANCE

Testing Agency Qualifications: For testing fence grounding. Member company of NETA or an NRTL.

Testing Agency's Field Supervisor: Currently certified by NETA to supervise on-site testing.

Mockups: Build mockups to set quality standards for fabrication and installation.

Include **10-foot** length of fence and gate.

Preinstallation Conference: Conduct conference at Project site.

Inspect and discuss electrical roughing-in, equipment bases, and other preparatory work specified elsewhere.

Review sequence of operation for each type of gate operator.

Review coordination of interlocked equipment specified in this Section and elsewhere.

Review required testing, inspecting, and certifying procedures.

PROJECT CONDITIONS

Field Measurements: Verify layout information for chain-link fences and gates shown on Drawings in relation to property survey and existing structures. Verify dimensions by field measurements.

WARRANTY

Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of chain-link fences and gates that fail in materials or workmanship within specified warranty period.

Failures include, but are not limited to, the following:

Faulty operation of gate operators and controls.

Deterioration of metals, metal finishes, and other materials beyond normal weathering.

Warranty Period: Five (5) years from date of Substantial Completion.

PRODUCTS

CHAIN-LINK FENCE FABRIC

General: Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle or twist. Comply with CLFMI Product Manual and with requirements indicated below:

Fabric Height: As indicated on Drawings.

Steel Wire Fabric: Wire with a diameter of No. 9 gage, 0.148" **or as indicated on Drawings.**

Mesh Size: **2 inches or as indicated on the plans.**

Polymer-Coated Fabric: ASTM F 668, Class 1 over zinc coated steel wire.

Color: Black, complying with ASTM F 934.

Coat selvage ends of fabric that is metallic coated before the weaving process with manufacturer's standard clear protective coating.

Selvage: Knuckled at both selvages.

FENCE FRAMING

Posts and Rails: Comply with ASTM F 1043 for framing, including rails, braces, and line; terminal; and corner posts. Provide members with minimum dimensions and wall thickness according to ASTM F 1043 based on the following:

Fence Height: As indicated on Drawings.

Heavy Industrial Strength: Material Group IC, round steel pipe, electric-resistance-welded pipe.

Line Post: 2.875 inches or as indicated on Drawings.

End, Corner and Pull Post: 4.0 inches or as indicated on Drawings.

Horizontal Framework Members: Top and bottom rails complying with ASTM F 1043.

Top and Bottom Rail: 1-5/8 inches in diameter or as indicated on Drawings.

Polymer coating over metallic coating.

Color: Match chain-link fabric, complying with ASTM F 934.

SWING GATES

General: Comply with ASTM F 900 for gate posts and single and double swing gate types.

Gate Leaf Width: As indicated.

Gate Fabric Height: As indicated.

Pipe and Tubing:

Zinc-Coated Steel: Comply with ASTM F 1043 and ASTM F 1083; protective coating and finish to match fence framing.

Gate Posts: Round tubular steel.

Gate Frames and Bracing: Round tubular steel.

Frame Corner Construction: Welded.

Hardware:

Hinges: 360-degree inward and outward swing.

Latches permitting operation from both sides of gate with provision for padlocking accessible from both sides of gate and ADA U-shaped.

FITTINGS

General: Comply with ASTM F 626.

Post Caps: Provide for each post.

Provide line post caps with loop to receive tension wire or top rail.

Rail and Brace Ends: For each gate, corner, pull, and end post.

Rail Fittings: Provide the following:

Top Rail Sleeves: Pressed-steel not less than 6 inches long.

Rail Clamps: Line and corner boulevard clamps for connecting bottom rails in the fence line-to-line posts.

Tension and Brace Bands: Pressed steel.

Tension Bars: Steel, length not less than 2 inches shorter than full height of chain-link fabric. Provide one bar for each gate and end post, and two for each corner and pull post, unless fabric is integrally woven into post.

Truss Rod Assemblies: Steel, hot-dip galvanized after threading rod and turnbuckle or other means of adjustment.

Tie Wires, Clips, and Fasteners: According to ASTM F 626.

Standard Round Wire Ties: For attaching chain-link fabric to posts, rails, and frames, complying with the following:

Hot-Dip Galvanized Steel: 0.148-inch diameter wire; galvanized coating thickness matching coating thickness of chain-link fence fabric.

Finish:

Metallic Coating for Pressed Steel or Cast Iron: Not less than 1.2 oz. /sq. ft. zinc.

Polymer coating over metallic coating.

GROUT AND ANCHORING CEMENT

Nonshrink, Nonmetallic Grout: Premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107. Provide grout, recommended in writing by manufacturer, for exterior applications.

Erosion-Resistant Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with potable water at Project site to create pourable anchoring, patching, and grouting compound. Provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating and that is recommended in writing by manufacturer, for exterior applications.

EXECUTION

EXAMINATION

Examine areas and conditions, with Installer present, for compliance with requirements for a verified survey of property lines and legal boundaries, site clearing, earthwork, pavement work, and other conditions affecting performance of the Work.

Do not begin installation before final grading is completed unless otherwise permitted by Engineer.

Proceed with installation only after unsatisfactory conditions have been corrected.

PREPARATION

Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

INSTALLATION, GENERAL

Install chain-link fencing to comply with ASTM F 567 and more stringent requirements indicated.

Install fencing on established boundary lines inside property line.

CHAIN-LINK FENCE INSTALLATION

Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.

Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.

Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.

Concrete Fill: Place concrete around posts to dimensions indicated and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.

Concealed Concrete: Top **2 inches** below grade to allow covering with surface material.

Terminal Posts: Locate terminal end, corner, and gate posts per ASTM F 567 and terminal pull posts at changes in horizontal or vertical alignment of 15 degrees or more.

Line Posts: Space line posts uniformly at **10 feet** o.c.

Post Bracing and Intermediate Rails: Install according to ASTM F 567, maintaining plumb position and alignment of fencing. Diagonally brace terminal posts to adjacent line posts with truss rods and turnbuckles. Install braces at end and gate posts and at both sides of corner and pull posts.

Locate horizontal braces at mid-height of fabric **72 inches** or higher, on fences with top rail and at two-third fabric height on fences without top rail. Install so posts are plumb when diagonal rod is under proper tension.

Top Rail: Install according to ASTM F 567, maintaining plumb position and alignment of fencing. Run rail continuously through line post caps, bending to radius for curved runs and terminating into rail end attached to posts or post caps fabricated to receive rail at terminal posts. Provide expansion couplings as recommended in writing by fencing manufacturer.

Bottom Rails: Install and secure to posts with fittings.

Chain-Link Fabric: Apply fabric to courtside of enclosing framework. Leave **1 inch** between finish grade or surface and bottom selvage unless otherwise indicated. Pull fabric taut and tie to posts, and rails. Anchor to framework so fabric remains under tension after pulling force is released.

Tension or Stretcher Bars: Thread through fabric and secure to end, corner, pull, and gate posts with tension bands spaced not more than **15 inches** o.c.

Tie Wires: Use wire of proper length to firmly secure fabric to line posts and rails. Attach wire at one end to chain-link fabric, wrap wire around post a minimum of 180 degrees, and attach other end to chain-link fabric per ASTM F 626. Bend ends of wire to minimize hazard to individuals and clothing.

Maximum Spacing: Tie fabric to line posts at **12 inches** o.c. and to braces at **24 inches** o.c.

Fasteners: Install nuts for tension bands and carriage bolts on the side of the fence opposite the fabric side. Peen ends of bolts or score threads to prevent removal of nuts.

GATE INSTALLATION

Install gates according to manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach fabric as for fencing. Attach hardware using tamper-resistant or

concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation and lubricate where necessary.

ADJUSTING

Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.

Lubricate hardware and other moving parts.

DEMONSTRATION

Engage a factory-authorized service representative to train Owner's personnel to adjust, operate, and maintain chain-link fences and gates.

Project: East Hartford High School Tennis Court Renovation

**Minimum Rates and Classifications
for Heavy/Highway Construction**

**Connecticut Department of Labor
Wage and Workplace Standards Division**

ID#: H 20733

By virtue of the authority vested in the Labor Commissioner under provisions of Section 31-53 of the General Statutes of Connecticut, as amended, the following are declared to be the prevailing rates and welfare payments and will apply only where the contract is advertised for bid within 20 days of the date on which the rates are established. Any contractor or subcontractor not obligated by agreement to pay to the welfare and pension fund shall pay this amount to each employee as part of his/her hourly wages.

Project Number: Project Town: East Hartford
FAP Number: State Number:
Project: East Hartford High School Tennis Court Renovation

CLASSIFICATION	Hourly Rate	Benefits
01) Asbestos/Toxic Waste Removal Laborers: Asbestos removal and encapsulation (except its removal from mechanical systems which are not to be scrapped), toxic waste removers, blasters. **See Laborers Group 5 and 7**		
1) Boilermaker	33.79	34% + 8.96
1a) Bricklayer, Cement Masons, Cement Finishers, Plasterers, Stone Masons	32.50	28.34
2) Carpenters, Piledrivermen	31.00	22.50

As of:

Friday, May 29, 2015

Project: East Hartford High School Tennis Court Renovation

2a) Diver Tenders	31.00	22.50
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3) Divers	39.46	22.50
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4) Painters: (Bridge Construction) Brush, Roller, Blasting (Sand, Water, etc.), Spray	45.10	18.55
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4a) Painters: Brush and Roller	31.02	18.55
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4b) Painters: Spray Only	34.02	18.55
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4c) Painters: Steel Only	33.02	18.55
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4d) Painters: Blast and Spray	34.02	18.55
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Project: East Hartford High School Tennis Court Renovation

4e) Painters: Tanks, Tower and Swing	33.02	18.55
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5) Electrician (Trade License required: E-1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9)	38.10	22.72 + 3% of gross wage
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6) Ironworkers: Ornamental, Reinforcing, Structural, and Precast Concrete Erection	34.47	29.74 + a
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7) Plumbers (Trade License required: (P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2) and Pipefitters (Including HVAC Work) (Trade License required: S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4 G-1, G-2, G-8, G-9)	40.31	26.82
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---LABORERS----

8) Group 1: Laborer (Unskilled), Common or General, acetylene burner, concrete specialist	27.85	18.30
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9) Group 2: Chain saw operators, fence and guard rail erectors, pneumatic tool operators, powdermen	28.10	18.30
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Project: East Hartford High School Tennis Court Renovation

10) Group 3: Pipelayers 28.35 18.30

11) Group 4: Jackhammer/Pavement breaker (handheld); mason tenders 28.35 18.30
(cement/concrete), catch basin builders, asphalt rakers, air track operators, block
paver, curb setter and forklift operators

12) Group 5: Toxic waste removal (non-mechanical systems) 29.85 18.30

13) Group 6: Blasters 29.60 18.30

Group 7: Asbestos/lead removal, non-mechanical systems (does not include 28.85 18.30
leaded joint pipe)

Group 8: Traffic control signalmen 16.00 18.30

Group 9: Hydraulic Drills 28.60 18.30

Project: East Hartford High School Tennis Court Renovation

---LABORERS (TUNNEL CONSTRUCTION, FREE AIR). Shield Drive and
Liner Plate Tunnels in Free Air.---

13a) Miners, Motormen, Mucking Machine Operators, Nozzle Men, Grout Men, Shaft & Tunnel Steel & Rodmen, Shield & Erector, Arm Operator, Cable Tenders	32.22	18.30 + a
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13b) Brakemen, Trackmen	31.28	18.30 + a
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---CLEANING, CONCRETE AND CAULKING TUNNEL---

14) Concrete Workers, Form Movers, and Strippers	31.28	18.30 + a
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15) Form Erectors	31.60	18.30 + a
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---ROCK SHAFT LINING, CONCRETE, LINING OF SAME AND TUNNEL
IN FREE AIR:---

Project: East Hartford High School Tennis Court Renovation

16) Brakemen, Trackmen, Tunnel Laborers, Shaft Laborers	31.28	18.30 + a
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17) Laborers Topside, Cage Tenders, Bellman	31.17	18.30 + a
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18) Miners	32.22	18.30 + a
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---TUNNELS, CAISSON AND CYLINDER WORK IN COMPRESSED
AIR: ----

18a) Blaster	38.53	18.30 + a
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19) Brakemen, Trackmen, Groutman, Laborers, Outside Lock Tender, Gauge Tenders	38.34	18.30 + a
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20) Change House Attendants, Powder Watchmen, Top on Iron Bolts	36.41	18.30 + a
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Project: East Hartford High School Tennis Court Renovation

21) Mucking Machine Operator 39.11 18.30 + a

---TRUCK DRIVERS---(*see note below)

Two axle trucks 28.58 20.24 + a

Three axle trucks; two axle ready mix 28.68 20.24 + a

Three axle ready mix 28.73 20.24 + a

Four axle trucks, heavy duty trailer (up to 40 tons) 28.78 20.24 + a

Four axle ready-mix 28.83 20.24 + a

Project: East Hartford High School Tennis Court Renovation

Heavy duty trailer (40 tons and over)	29.03	20.24 + a
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Specialized earth moving equipment other than conventional type on-the road trucks and semi-trailer (including Euclids)	28.83	20.24 + a
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---POWER EQUIPMENT OPERATORS---

Group 1: Crane handling or erecting structural steel or stone, hoisting engineer (2 drums or over), front end loader (7 cubic yards or over), Work Boat 26 ft. & Over. (Trade License Required)	37.55	23.05 + a
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Group 2: Cranes (100 ton rate capacity and over); Excavator over 2 cubic yards; Piledriver (\$3.00 premium when operator controls hammer); Bauer Drill/Caisson. (Trade License Required)	37.23	23.05 + a
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Group 3: Excavator/Backhoe under 2 cubic yards; Cranes (under 100 ton rated capacity), Gradall; Master Mechanic; Hoisting Engineer (all types of equipment where a drum and cable are used to hoist or drag material regardless of motive power of operation), Rubber Tire Excavator (Drott-1085 or similar); Grader Operator; Bulldozer Fine Grade (slopes, shaping, laser or GPS, etc.). (Trade License Required)	36.49	23.05 + a
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Group 4: Trenching Machines; Lighter Derrick; Concrete Finishing Machine; CMI Machine or Similar; Koehring Loader (Skooper)	36.10	23.05 + a
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Project: East Hartford High School Tennis Court Renovation

Group 5: Specialty Railroad Equipment; Asphalt Paver; Asphalt Spreader; Asphalt Reclaiming Machine; Line Grinder; Concrete Pumps; Drills with Self Contained Power Units; Boring Machine; Post Hole Digger; Auger; Pounder; Well Digger; Milling Machine (over 24" Mandrell)	35.51	23.05 + a
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Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller.	35.51	23.05 + a
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Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer).	35.20	23.05 + a
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Group 7: Asphalt Roller; Concrete Saws and Cutters (ride on types); Vermeer Concrete Cutter; Stump Grinder; Scraper; Snooper; Skidder; Milling Machine (24" and Under Mandrel).	34.86	23.05 + a
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Group 8: Mechanic, Grease Truck Operator, Hydroblaster, Barrier Mover, Power Stone Spreader; Welder; Work Boat under 26 ft.; Transfer Machine.	34.46	23.05 + a
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Group 9: Front End Loader (under 3 cubic yards), Skid Steer Loader regardless of attachments (Bobcat or Similar); Fork Lift, Power Chipper; Landscape Equipment (including hydroseeder).	34.03	23.05 + a
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Group 10: Vibratory Hammer, Ice Machine, Diesel and Air Hammer, etc.	31.99	23.05 + a
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Project: East Hartford High School Tennis Court Renovation

Group 11: Conveyor, Earth Roller; Power Pavement Breaker (whiphammer), Robot Demolition Equipment. 31.99 23.05 + a

Group 12: Wellpoint Operator. 31.93 23.05 + a

Group 13: Compressor Battery Operator. 31.35 23.05 + a

Group 14: Elevator Operator; Tow Motor Operator (Solid Tire No Rough Terrain). 30.21 23.05 + a

Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator. 29.80 23.05 + a

Group 16: Maintenance Engineer/Oiler 29.15 23.05 + a

Group 17: Portable asphalt plant operator; portable crusher plant operator; portable concrete plant operator. 33.46 23.05 + a

Project: East Hartford High School Tennis Court Renovation

Group 18: Power Safety Boat; Vacuum Truck; Zim Mixer; Sweeper; (minimum 31.04 23.05 + a
for any job requiring CDL license).

**NOTE: SEE BELOW

---LINE CONSTRUCTION---(Railroad Construction and Maintenance)---

20) Lineman, Cable Splicer, Technician 45.43 6.25%+19.20

21) Heavy Equipment Operator 40.89 6.25%+17.18

22) Equipment Operator, Tractor Trailer Driver, Material Men 38.62 6.25%+16.68

23) Driver Groundmen 24.99 6.25%+10.87

Project: East Hartford High School Tennis Court Renovation

23a) Truck Driver	34.07	6.25%+15.41
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---LINE CONSTRUCTION---

24) Driver Groundmen	30.92	6.5% + 9.70
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25) Groundmen	22.67	6.5% + 6.20
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26) Heavy Equipment Operators	37.10	6.5% + 10.70
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27) Linemen, Cable Splicers, Dynamite Men	41.22	6.5% + 12.20
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28) Material Men, Tractor Trailer Drivers, Equipment Operators	35.04	6.5% + 10.45
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Project: East Hartford High School Tennis Court Renovation

Welders: Rate for craft to which welding is incidental.

**Note: Hazardous waste removal work receives additional \$1.25 per hour for truck drivers.*

***Note: Hazardous waste premium \$3.00 per hour over classified rate*

ALL Cranes: When crane operator is operating equipment that requires a fully licensed crane operator to operate he receives an extra \$2.00 premium in addition to the hourly wage rate and benefit contributions:

1) Crane handling or erecting structural steel or stone; hoisting engineer (2 drums or over)

2) Cranes (100 ton rate capacity and over) Bauer Drill/Caisson

3) Cranes (under 100 ton rated capacity)

Crane with 150 ft. boom (including jib) - \$1.50 extra

Crane with 200 ft. boom (including jib) - \$2.50 extra

Crane with 250 ft. boom (including jib) - \$5.00 extra

Crane with 300 ft. boom (including jib) - \$7.00 extra

Crane with 400 ft. boom (including jib) - \$10.00 extra

All classifications that indicate a percentage of the fringe benefits must be calculated at the percentage rate times the "base hourly rate".

Apprentices duly registered under the Commissioner of Labor's regulations on "Work Training Standards for Apprenticeship and Training Programs" Section 31-51-d-1 to 12, are allowed to be paid the appropriate percentage of the prevailing journeymen hourly base and the full fringe benefit rate, providing the work site ratio shall not be less than one full-time journeyman instructing and supervising the work of each apprentice in a specific trade.

~~Connecticut General Statute Section 31-55a: Annual Adjustments to wage rates by contractors doing state work ~~

The Prevailing wage rates applicable to this project are subject to annual adjustments each July 1st for the duration of the project.

Each contractor shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.

It is the contractor's responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's website.

The annual adjustments will be posted on the Department of Labor's Web page: www.ct.gov/dol.

The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project.

All subsequent annual adjustments will be posted on our Web Site for contractor access.

Contracting Agencies are under no obligation pursuant to State labor law to pay any increase due to the annual adjustment provision.

As of:

Friday, May 29, 2015

Project: East Hartford High School Tennis Court Renovation

Effective October 1, 2005 - Public Act 05-50: any person performing the work of any mechanic, laborer, or worker shall be paid prevailing wage

All Person who perform work ON SITE must be paid prevailing wage for the appropriate mechanic, laborer, or worker classification.

All certified payrolls must list the hours worked and wages paid to All Persons who perform work ON SITE regardless of their ownership i.e.: (Owners, Corporate Officers, LLC Members, Independent Contractors, et. al)

Reporting and payment of wages is required regardless of any contractual relationship alleged to exist between the contractor and such person.

~~Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clause (29 CFR 5.5 (a) (1) (ii)).

Please direct any questions which you may have pertaining to classification of work and payment of prevailing wages to the Wage and Workplace Standards Division, telephone (860)263-6790.

As of:

Friday, May 29, 2015

TENNIS COURT RENOVATIONS
EAST HARTFORD HIGH SCHOOL
FORBES STREET, EAST HARTFORD, CT

REVISIONS	No.	Date	Desc.
	1	6/6/14	PLANNING AND ZONING SUBMISSION
	2	10/30/14	CONSTRUCTION DOCUMENTS
	3	04/20/15	USTA AND TOWN COMMENTS
	4	05/11/15	ISSUED FOR CONSTRUCTION
	5	06/05/15	ADDENDA 002

Designed: J.A.K.
 Drawn: J.A.K.
 Checked: R.G.
 Approved: _____
 Scale: 1"=20'
 Project No.: 13C4591
 Date: 05/12/14

CAD File: DM13C459101
 Title: DEMOLITION PLAN

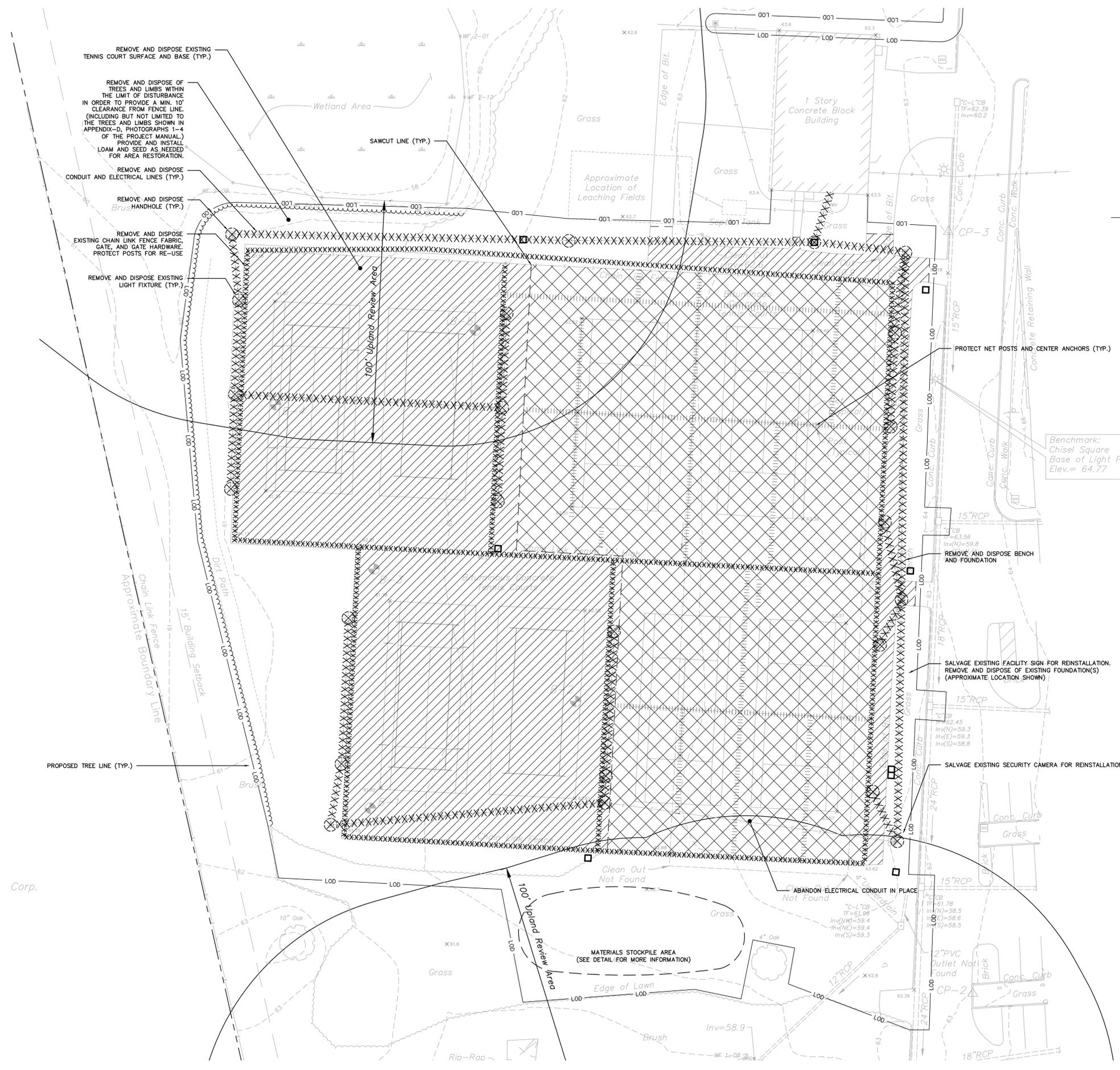
Sheet No. **DM-1**

Scale: 1"=20'
 Scale in Feet: 20 10 0 20

DEMO LEGEND

- SAWCUT LINE (TYP.)
-  REMOVE AND DISPOSE EXISTING TENNIS COURT SURFACE AND BASE
-  SEAL CRACKS PRIOR TO SURFACE INSTALLATION WITH A FIBER MAT REINFORCEMENT PATCH BONDED TO THE EXISTING COURT SURFACE
-  EXISTING CRACKS (APPROXIMATE LOCATIONS) REFER TO PAVEMENT PATCH REPAIR DETAIL ON SHEET DN-2
-  REMOVE AND DISPOSE STRUCTURE
-  REMOVE AND DISPOSE EXISTING CHAIN LINK FENCE FABRIC, GATE, AND GATE HARDWARE. PROTECT POSTS FOR RE-USE WHERE FENCE LOCATION WILL REMAIN AND REMOVE AND DISPOSE POSTS WHERE FENCE WILL BE RELOCATED.
-  REMOVE AND DISPOSE EXISTING CONDUIT AND ELECTRICAL LINES
- LOD --- LIMIT OF DISTURBANCE

NOTES:
 1.) TOWN TO REMOVE EXISTING TENNIS COURT NETS AND WIND SCREEN
 2.) TOWN TO PROVIDE DUMPSTER FOR METAL RECYCLING



GRADING, DRAINAGE, AND UTILITIES LEGEND

- LOD — LIMIT OF DISTURBANCE
- + 61.67 SPOT GRADES
 (ALL SPOT GRADES TAKEN AT PROPOSED FENCE CORNERS. PLEASE NOTE THAT ASPHALT SURFACE SHOULD EXTEND 1' BEYOND FENCE PER DETAILS)
- 61 — PROPOSED 1' CONTOURS
- 6" PERFORATED HDPE PIPE
- 6" HDPE PIPE
- L LIGHT POLE (BY OTHERS)

CONDUIT AND HANDHOLE SPECIFICATIONS

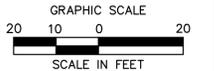
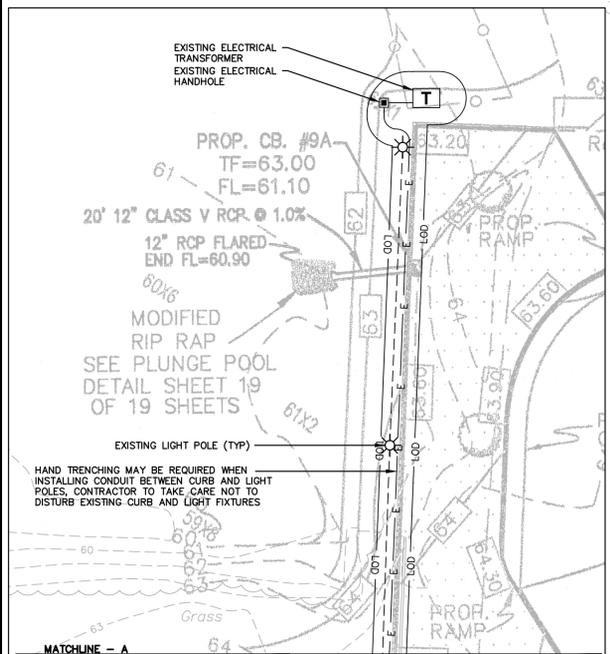
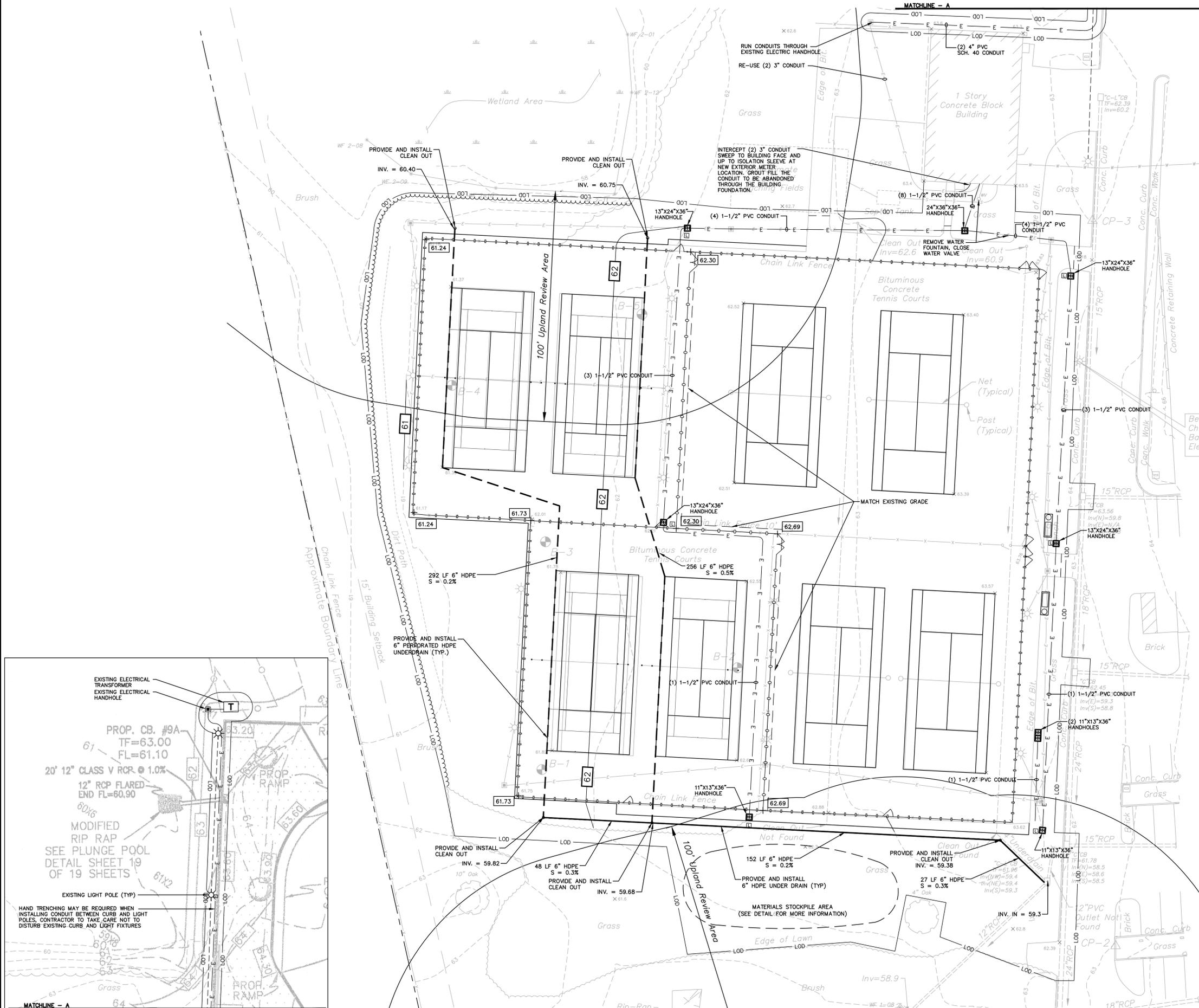
- CONDUIT:**
- RIGID POLYVINYL CHLORIDE (PVC) SCHEDULE 40 SHALL BE USED FOR WIRING IN THE FOLLOWING LOCATIONS:
 - BURIED UNDER GRADE FOR SERVICE ENTRANCE PRIMARY AND SECONDARY CONDUCTORS.
 - LIGHTING AND POWER BRANCH CIRCUIT WIRING BURIED UNDER GRADE.
 - BELOW CONCRETE SLABS.
 - EXPOSURE TO MOISTURE.
 - PVC CONDUIT SHALL BE:
 - CORROSION PROOF.
 - NON MAGNETIC AND NON GALVANIC.
 - SELF EXTINGUISHING.
 - IMPACT RESISTANT.
- HANDHOLE:**
- 24"x36"x36" (DEEP) HANDHOLE, QUARTZITE PG STYLE OR EQUIVALENT, GASKETED BOX WITH OPEN BOTTOM, TIER 8 (SIDEWALK LOCATIONS) AND TIER 15 (PARKING LOT LOCATIONS) SUBJECT TO NON-DELIBERATE OCCASIONAL VEHICULAR TRAFFIC, GASKETED COVER ENGRAVED "ELECTRIC".
 - 13"x24"x36" (DEEP) HANDHOLE, QUARTZITE PG STYLE OR EQUIVALENT, GASKETED BOX WITH OPEN BOTTOM, TIER 8 (SIDEWALK LOCATIONS) AND TIER 15 (PARKING LOT LOCATIONS) SUBJECT TO NON-DELIBERATE OCCASIONAL VEHICULAR TRAFFIC, GASKETED COVER ENGRAVED "ELECTRIC".
 - 11"x18"x36" (DEEP) HANDHOLE, QUARTZITE PG STYLE OR EQUIVALENT, GASKETED BOX WITH OPEN BOTTOM, TIER 8 (SIDEWALK LOCATIONS) AND TIER 15 (PARKING LOT LOCATIONS) SUBJECT TO NON-DELIBERATE OCCASIONAL VEHICULAR TRAFFIC, GASKETED COVER ENGRAVED "ELECTRIC".

REFERENCE

- Electrical General Notes, Symbol Legend, Abbreviations and Specification sheet E0.01 prepared by BL Companies and dated 05/12/2014
- Electrical Panel Schedules, One Line Diagrams, and Details sheet E0.02 prepared by BL Companies and dated 05/12/2014
- Electrical Site Plan sheet E1.01 prepared by BL Companies and dated 05/12/2014

NOTES

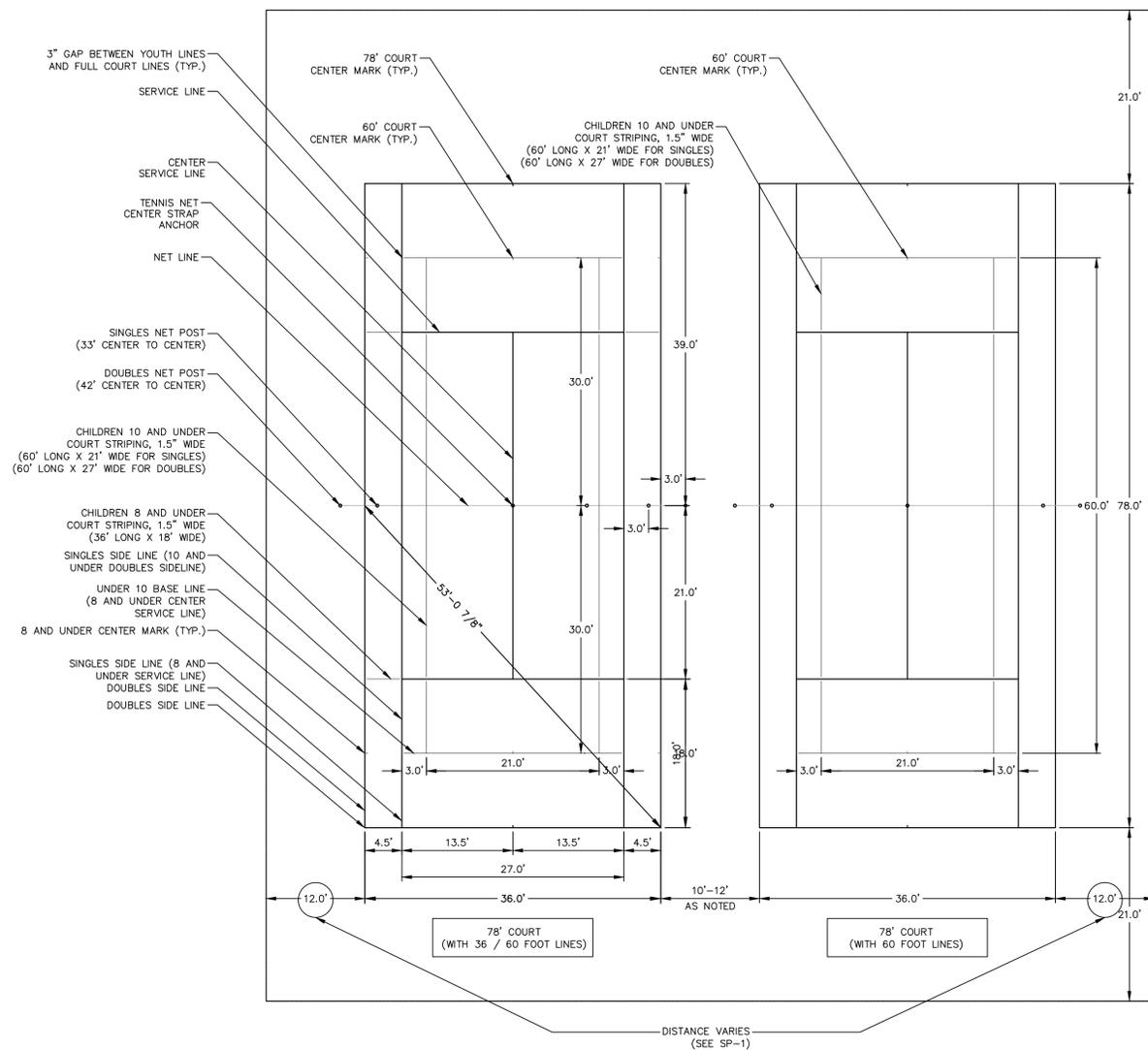
- Cutting and patching shall be done in accordance with sheet E0.01



Jun 08, 2015 3:30pm c:\hennet\g_v\05513\1304591\DWG\GDU130459101.dwg
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 xref (0): ; X:\30459101; B0130459101; ; X:\30459101

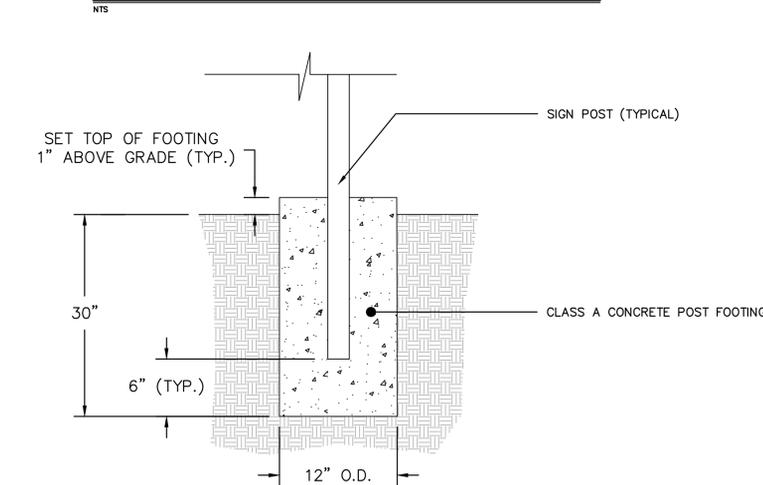
THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES

TENNIS COURT RENOVATIONS
EAST HARTFORD HIGH SCHOOL
FORBES STREET, EAST HARTFORD, CT

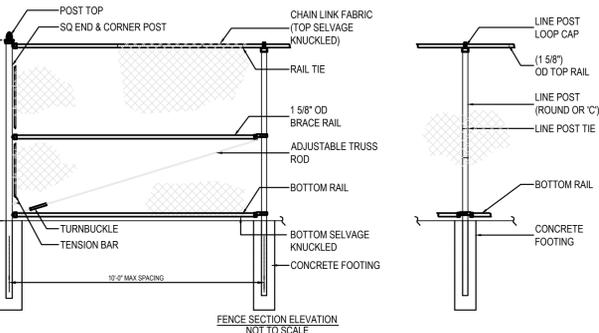
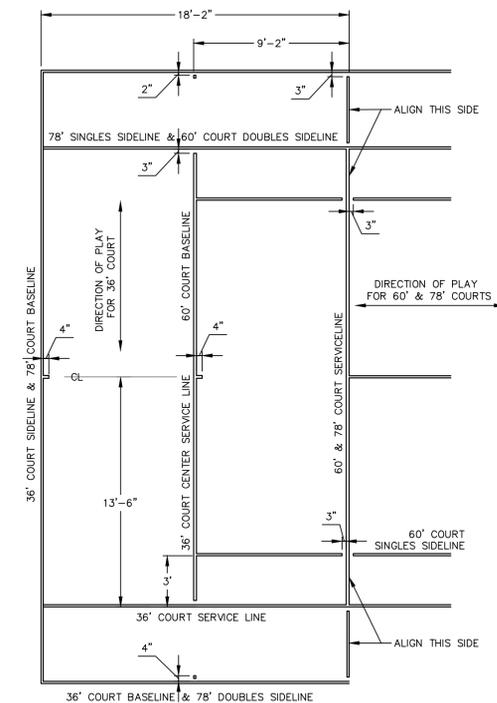


- NOTES:
- 1.) ALL DIMENSIONS ARE TO THE OUTSIDE EDGE OF THE PLAYING LINES, WITH THE EXCEPTION OF THE CENTER LINES WHICH ARE MEASURED OUT TO CENTER.
 - 2.) THE CENTER SERVICE LINE AND CENTER MARKS SHALL BE 2 INCHES WIDE. OTHER LINES SHALL BE 1-1/2" WIDE.
- LAYOUT AND DIMENSIONS ARE BASED ON INFORMATION FROM USTA.COM

LINE STRIPING LAYOUT



SALVAGED FACILITY SIGN POST FOOTING



FENCE SECTION ELEVATION
NOT TO SCALE

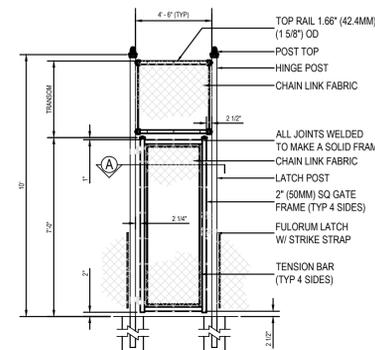
END & CORNER POST TOP OPTIONS		TOP & BOTTOM FABRIC
<input type="checkbox"/> STANDARD	<input type="checkbox"/> DOME	<input checked="" type="checkbox"/> KNUCKLE

- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

10' TENNIS FENCE

- NOTES:
1. 10 AND UNDER TENNIS PLAYING LINES SHALL BE TEXTURED LINE PAINT WITHIN THE SAME FAMILY AS THE 78 FOOT COURT COLOR.
 2. ALL 10 AND UNDER TENNIS PLAYING LINES SHALL TERMINATE 3 INCHES FROM THE 78 FOOT COURT LINES.
 3. ALL 10 AND UNDER TENNIS PLAYING LINES SHALL BE 1-1/2" WIDE.
 4. ALL 10 AND UNDER TENNIS PLAYING LINES SHALL BE MEASURED OUT TO OUT, WITH EXCEPTION OF THE CENTER LINES WHICH SHALL BE MEASURED OUT-TO-CENTER.
2. THE CENTER MARK FOR THE 36 FOOT COURT SHALL BE SET 2 INCHES OFF THE 78 FOOT COURT DOUBLES SIDELINE AND SHALL BE 2 INCHES LONG BY 1-1/2" WIDE

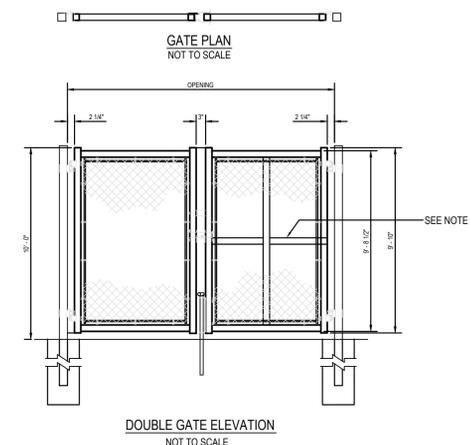
36' & 60' BLENDED LINES DETAIL



NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

END & CORNER POST TOP OPTIONS		GATE ELEVATION	
<input type="checkbox"/> STANDARD	<input type="checkbox"/> FLAT	NOM HEIGHT (H)	7'-0"
		OPENING (F/F)	4'-6"

TENNIS SWING GATE



- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

DOUBLE SWING GATE

REVISIONS

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Designed: J.A.K.
Drawn: J.A.K.
Checked: R.G.
Approved: AS SHOWN
Project No: 13C4591
Date: 05/12/14

CAD File: DN13C459101

Title: DETAILS

Sheet No.

DN-1