

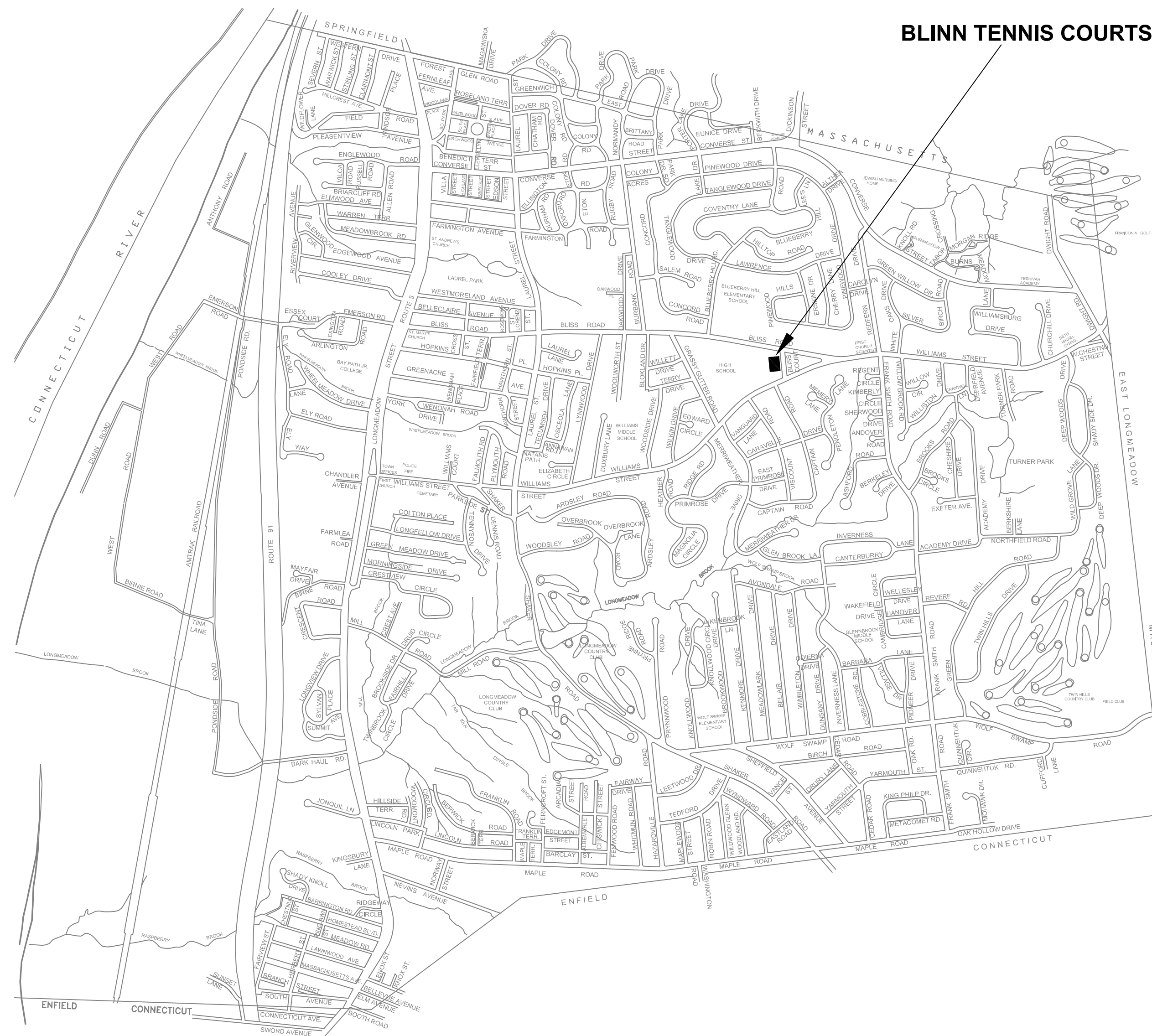
TOWN OF LONGMEADOW, MASSACHUSETTS

Plan of

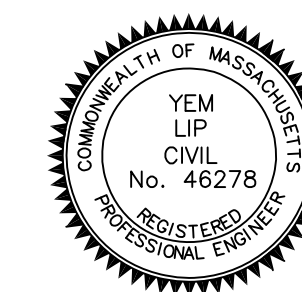
BLINN TENNIS COURTS RECONSTRUCTION AND SITE IMPROVEMENT

INDEX

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4	DEMOLITION SITE PLAN
5	PROPOSED CONSTRUCTION
6	PROPOSED LIGHTING LAYOUT
7-9	DETAILS
10	PROPOSED LIGHTING PLAN



LOCUS MAP
Not To Scale



SELECTBOARD
RICHARD FOSTER, CHAIR PERSON
MARK P. GOLD, MEMBER
PAUL P. SANTANIELLO, MEMBER
MARIE ANGELIDES, MEMBER
ALEX J. GRANT, MEMBER

TOWN MANAGER
STEPHEN J. CRANE

DEPARTMENT OF PUBLIC WORKS

**PARKS AND RECREATION
DEPARTMENT**

**Longmeadow
Engineering
Department**



COMPLETE SET 10 SHEETS


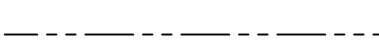

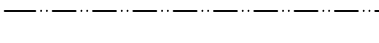
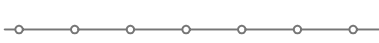

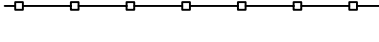
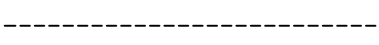



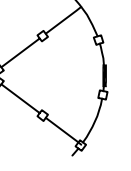
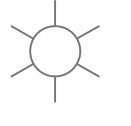

GENERAL NOTES

- THE CONTRACTOR SHALL NOT RELY ON SCALED DIMENSIONS AND SHALL CONTACT THE ENGINEER FOR CLARIFICATION IF A REQUIRED DIMENSION IS NOT PROVIDED ON THE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND FOR SITE CONDITIONS THROUGHOUT CONSTRUCTION. NEITHER THE PLANS NOR THE SEAL OF THE ENGINEER AFFIXED HEREON EXTEND TO OR INCLUDE SYSTEMS REQUIRED FOR THE SAFETY OF THE CONTRACTOR, THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND IMPLEMENTING SAFETY PROCEDURES AND SYSTEMS AS REQUIRED BY THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND ANY STATE OR LOCAL SAFETY REGULATIONS INCLUDING TRENCH SAFETY.
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE AND TOWN OF LONGMEADOW, MA DEPARTMENT OF PUBLIC WORKS CODES AND STANDARD SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE TO REMOVE AND PROPERLY DISPOSE OF ALL EXCESS CONSTRUCTION OR REMOVED MATERIALS.
- CONTRACTOR SHALL OBTAIN AND COMPLY WITH ALL TOWN OF LONGMEADOW STREET OPENING AND TRENCH SAFETY PERMIT REQUIREMENTS AS APPLICABLE. CONTRACTOR SHALL COMPLY WITH 520 CMR 7.00 AND OBTAIN TRENCH EXCAVATION PERMITS FROM THE TOWN AS REQUIRED.
- IT IS THE INTENT OF THESE DOCUMENTS TO PROVIDE SITE GRADING THAT IS CONSISTENT WITH THE RELEVANT ACCESS REQUIREMENTS OF THE ARCHITECTURAL BARRIERS ACT (ABA), THE AMERICANS WITH DISABILITIES ACT (ADA), AND ARCHITECTURAL ACCESS BOARD (521 CMR - PART C EXTERIOR). SMALL CHANGES IN GRADE OVER RELATIVELY SHORT DISTANCES (E.G AT PARKING SPACES, ACCESSIBLE ROUTE, AND RAMPS) MIGHT NOT BE CLEARLY DEPICTED WITHIN THE CONTOUR INTERVAL SHOWN. CONTRACTOR SHALL COMPLY WITH THE CRITERIA IN THESE STANDARDS. SELECT MAXIMUM SLOPE CRITERIA ARE REPRODUCED BELOW:
 - PARKING SHALL AND PASSENGER LOADING ZONE (ANY DIRECTION) SLOPE < 2.0%
 - LONGITUDINAL SLOPE ALONG ACCESSIBLE ROUTES < 5.0%
 - CROSS SLOPE ALONG ACCESSIBLE ROUTES < 2.0%
- CONTRACTOR SHALL NOTE THAT THE CITED ACCESSIBILITY REQUIREMENTS ALLOW NO TOLERANCE FOR SLOPES GREATER THAN THE MAXIMUM SLOPE
- EXISTING UTILITY LOCATIONS ARE BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT OR OTHER METHOD WHERE REQUIRED. PROPERTY LINE INFORMATION SHOWN ON THE PLANS WAS TAKEN FROM AVAILABLE PARCEL MAPPING AND IS SHOWN FOR REFERENCE PURPOSES ONLY.
- THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES.
- ADJUSTMENTS TO THE PROPOSED TENNIS COURT LAYOUT AND ELEVATIONS SHALL NOT BE CONSIDERED AS CAUSE FOR ADDITIONAL PAYMENTS. THE CONTRACTOR SHALL NOT MAKE PROPOSED TENNIS COURT LAYOUT AND ELEVATION ADJUSTMENTS WITHOUT APPROVAL FROM THE ENGINEER.
- DAMAGE TO THIRD PARTY UNDERGROUND UTILITIES (I.E. WATER, SEWER, OR DRAIN) IS THE RESPONSIBILITY OF THE CONTRACTOR. PROPER REPAIRS SHALL BE MADE BY THE CONTRACTOR OR UTILITY COMPANY, AS ARRANGED BY THE CONTRACTOR, AND AS ACCEPTABLE TO THE ENGINEER. NO COMPENSATION SHALL BE ALLOWED UNDER THIS CONTRACT FOR THE REPAIR OF THIRD-PARTY UTILITIES IN THE PROJECT AREA.
- THE CONTRACTOR SHALL REMOVE AND REPLACE FENCES, MAILBOXES, CURBING, ETC. AS NECESSARY. CONDITION OF REPLACED ITEMS SHALL BE EQUAL OR BETTER THAN ORIGINAL CONDITION PRIOR TO REMOVAL.
- EXISTING WATER MAIN, AND OTHER UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY, AND SHOULD BE VERIFIED BY THE CONTRACTOR.
- PROPERTIES MAY HAVE ROOF/YARD DRAINS CONNECTED TO DRAIN LINE IN THE STREET. THE CONTRACTOR SHALL CONFIRM THEIR LOCATIONS PRIOR TO CONSTRUCTION.
- ASBESTOS CEMENT PIPE TO BE REMOVED AS A RESULT OF THIS PROJECT SHALL BE HANDLED, TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE ASBESTOS ABATEMENT PROCEDURES AND REGULATIONS AS SPECIFIED IN SECTION 13281.
- ALL SIDEWALKS ARE PORTLAND CEMENT CONCRETE.
- PER MASSACHUSETTS LAW, CONTRACTOR SHALL CALL 1-888-DIG-SAFE, (1-888-344-7233) PRIOR TO ANY UNDERGROUND EXCAVATION ON SITE. THE DIG-SAFE VERIFICATION NUMBER SHALL BE SUBMITTED TO EHT TOWN OF LONMGEADOW PRIOR TO ANY CONSTRUCTION WORK.
- ALL MATERIALS SCHEDULED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL DISPOSE OF ALL MATERIALS OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES AND CODES.
- COORDINATE REMOVAL, RELOCATION, DISPOSAL OR SALVAGE OF UTILITIES WITH THE OWNER AND APPROPRIATE UTILITY COMPANY.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ADDITIONAL PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK AND ARRANGE FOR AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND OFF-SITE DISPOSAL OF MATERIALS REQUIRED TO COMPLETE THE WORK EXCEPT FOR WORK NOTED TO BE COMPLETED BY OTHERS.
- UTILITIES SHALL BE TERMINATED AT THE MAIN LINE PER UTILITY COMPANY STANDARDS. THE CONTRACTOR SHALL REMOVE ALL ABANDONED UTILITIES LOCATED WITHIN THE LIMITS OF WORK. CONTRACTOR SHALL VERIFY ORIGIN OF ALL DRAINS AND UTILITIES PRIOR TO REMOVAL/TERMINATION TO DETERMINE IF DRAINS OR UTILITY IS ACTIVE AND SERVICES ANY ON OR OFF-SITE STRUCTURES TO REMAIN. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY SUCH UTILITY FOUND AND SHALL MAINTAIN THESE UTILITIES UNTIL PERMANENT SOLUTION IS IN PLACE.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, CONCRETE PADS, UTILITIES AND PAVEMENT WITHIN THE WORK LIMITS SHOWN UNLESS SPECIFICALLY IDENTIFIED TO REMAIN. ITEM TO BE REMOVED INCLUDE BUT ARE NOT LIMITED TO: PAVEMENT, EXISTING DRAIN PIPES, YARD DRAINS, AND FENCE CONCRETE FOOTING.
- THE CONTRACTOR SHALL PAY ALL COSTS NECESSARY FOR TEMPORARY PARTITIONING, BARRICADING, FENCING, SECURITY AND SAFETY DEVICES REQUIRED FOR HE MAINTENANCE OF A CLEAN AND SAFE CONSTRUCTION SITE.
- ALL PAVEMENT MARKINGS AND SIGNS TO CONFORM TO "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS", AND THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS, LATEST EDITIONS.
- EXISTING TREES AND SHRUBS SHOWN ON THE PLAN ARE TO REMAIN UNDISTURBED UNLESS NOTED OTHERWISE. ALL EXISTING TREES AND SHRUBS SHOWN TO REMAIN ARE TO BE PROTECTED WITH A 4-FOOT SNOW FENCE PLACED AT THE DRIP LINE OF THE BRANCHES OR AT 8 FEET MINIMUM FROM THE TREE TRUNK. ANY EXISTING TREE OR SHRUB SHOWN TO REMAIN, WHICH REMOVED DURING CONSTRUCTION, SHALL BE REPLACED BY A TREE OF COMPARABLE SIZE AND SPECIES TREE OR SHRUB
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PLANTING AND LAWNS AGAINST DAMAGE FROM ONGOING CONSTRUCTION. THIS PROTECTION SHALL BEGIN AT THE TIME THE PLANT IS INSTALLED AND CONTINUE UNTIL TEH FORMAL ACCEPTANCE OF ALL THE PLANTINGS.

ABBREVIATIONS

ASBESTOS CEMENT	AC	REINFORCED CONCRETE PIPE	RCP
BITUMINOUS CONCRETE	BIT CONC	RIGHT OF WAY	R.O.W.
BOTTOM OF EXPLORATION	BOE	ROCK PILE	RP
CAST IRON	CI	SANITARY MANHOLE	SMH
CATCH BASIN	CB	STANDARD DIMENSION RATIO	SDR
CHAIN LINK FENCE	C/L FEN	STATION	STA
CHIMNEY	CHIM	STONE BOUND	SB
CEMENT LINED STEEL	CL	STREET LINE	SL
CLEANOUT	CO	SHUT OFF CURB STOP	SO
CONCRETE	CONC	TEMPORARY BENCH MARK	TBM
CONCRETE WALK	C	TELEPHONE POLE	TP
COPPER	CU	TRAFFIC CONTROL	TC
CORRUGATED METAL PIPE	CMP	UNDER CONSTRUCTION	UC
CUT SPIKE	CS	UTILITY POLE	U.P.
DEBRIS	DB	UTILITY STRUCTURE	UT
DIRT PILE	DP	UNDELINEATED WETLAND AREA	UWA
DRAIN MANHOLE	DMH	VITRIFIED CLAY PIPE	VC
DUCTILE IRON	DI	WATER GATE	WG
EASEMENT LINE ELEVATION	EL	WATER SERVICE	WS
EDGE OF PAVEMENT	EOP	WATER TIGHT COVER	WTC
EROSION CONTROL	EC		
GAS GATE	GG		
GATE VALVE	GV		
GEOGRAPHICAL INFORMATION SYSTEMS	GIS		
GRANITE CURB	GR CURB		
GUY WIRE	GY		
GUY POLE	GP		
HOUSE	HSE		
HYDRANT	HYD		
INVERT	INV		
IRON PIPE	IP		
MAIL BOX	MB		
MANHOLE	MH		
MECHANICAL JOINT	MJ		
NOT IN THIS CONTRACT	NITC		
NOT TO SCALE	NTS		
PAVED WALK	PW		
POLYETHYLENE PIPE	PE		
POLY-VINYL CHLORIDE	PVC		
PROPERTY LINE	PL		
PUMP STATION	P.S.		

LEGEND

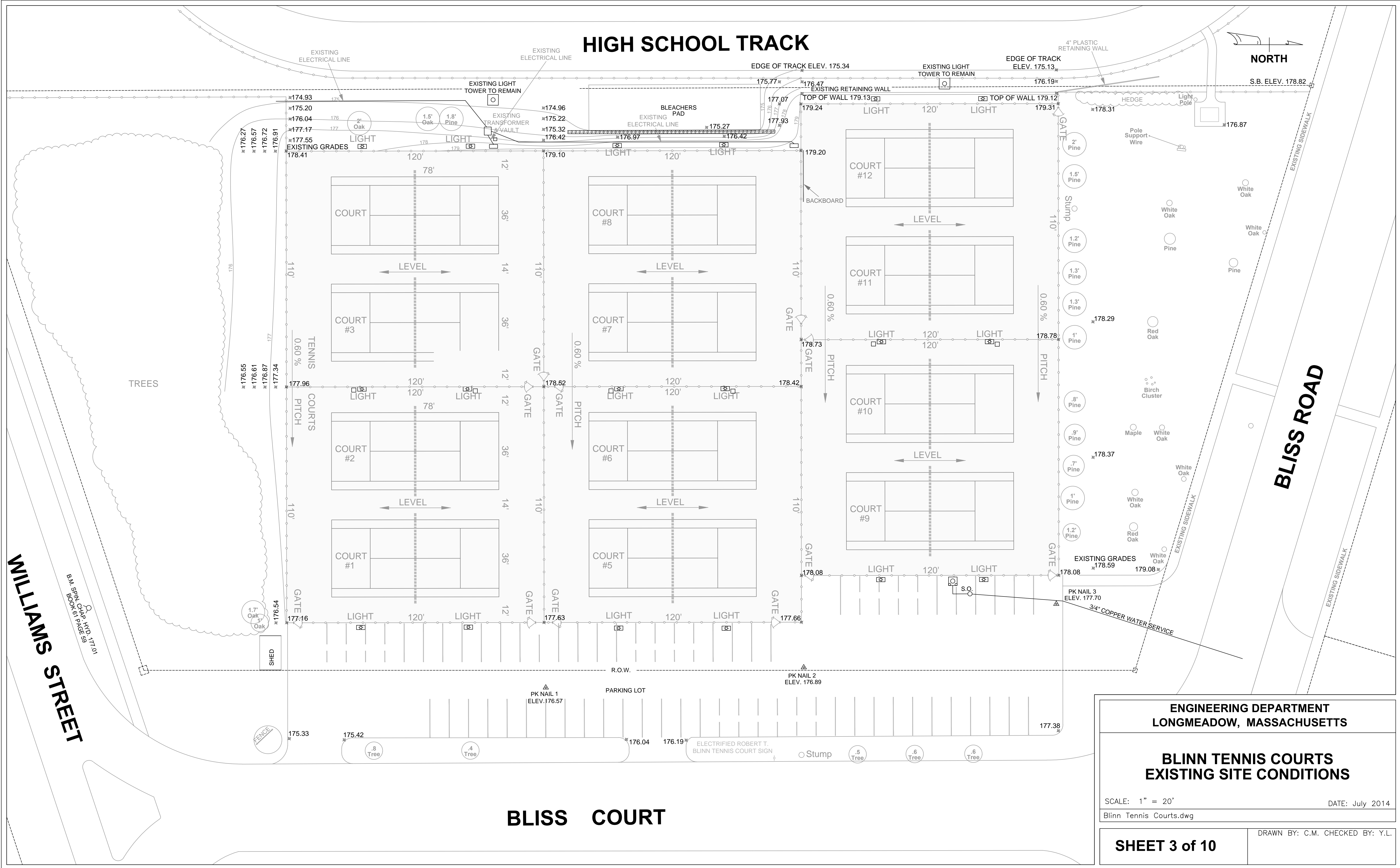
SEGMENTAL BLOCK	
RETAINING WALL	
PAVEMENT CONTROL JOINT	
SAW CUT	
FENCING EXISTING	
FENCING PROPOSED	
RIGHT OF WAY	
NETS	
CONTOURS	
NEW CONDUIT	
EXISTING COURTS	
FENCE GATE	
EXISTING LIGHT	
TREES	

SIZE
TYPE

ENGINEERING DEPARTMENT LONGMEADOW, MASSACHUSETTS	
BLINN TENNIS COURTS RECONSTRUCTION GENERAL NOTES	
SCALE: N.T.S.	DATE: July 2014
Blinn Tennis Courts.dwg	
SHEET 2 of 10	DRAWN BY: C.M. CHECKED BY: Y.L.

HIGH SCHOOL TRACK

NORTH



WILLIAMS STREET

BLISS ROAD

BLISS COURT

ENGINEERING DEPARTMENT
LONGMEADOW, MASSACHUSETTS

BLINN TENNIS COURTS
EXISTING SITE CONDITIONS

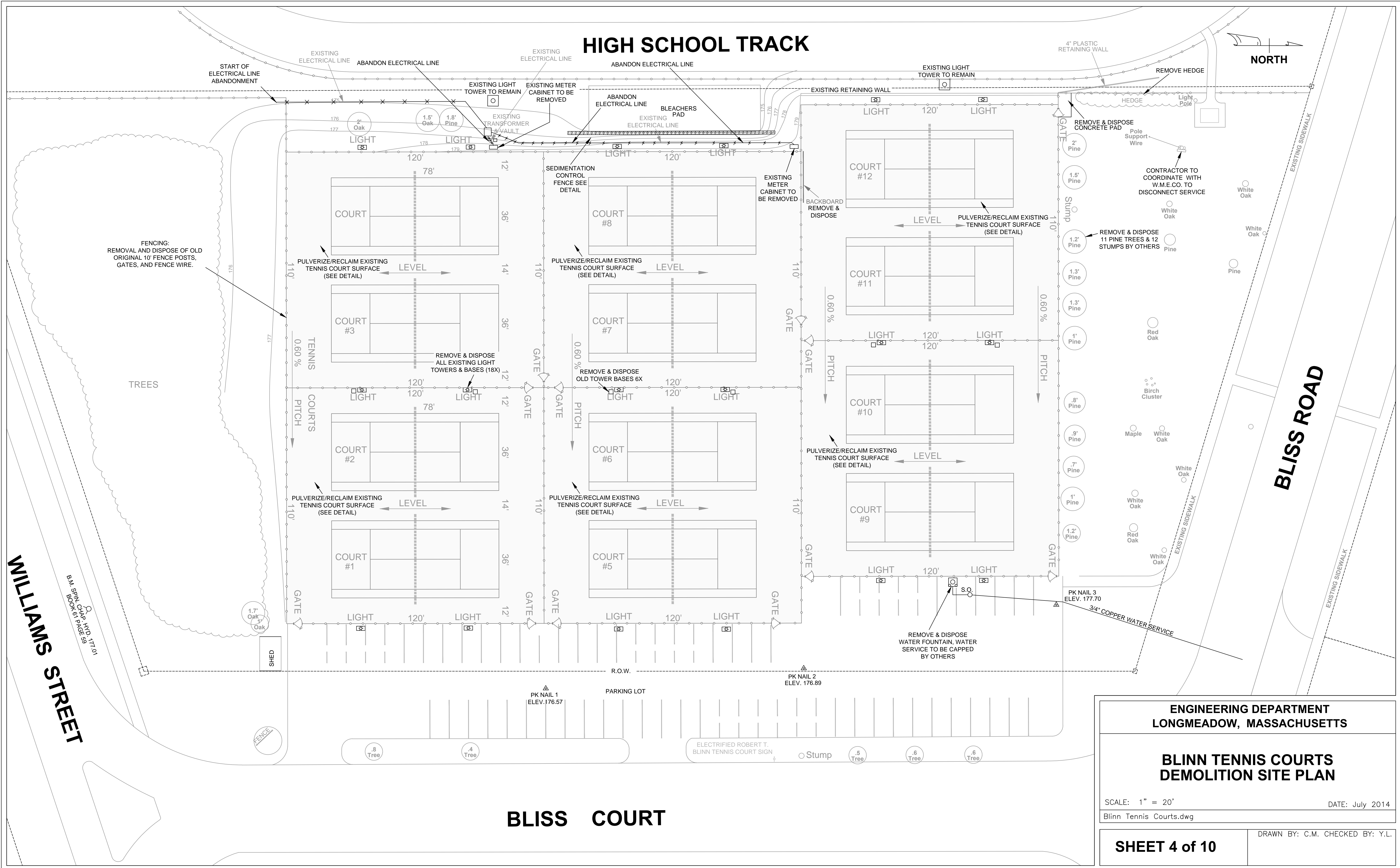
SCALE: 1" = 20' DATE: July 2014

Blinn Tennis Courts.dwg DRAWN BY: C.M. CHECKED BY: Y.L.

SHEET 3 of 10

HIGH SCHOOL TRACK

NORTH



ENGINEERING DEPARTMENT
LONGMEADOW, MASSACHUSETTS

BLINN TENNIS COURTS DEMOLITION SITE PLAN

SCALE: 1" = 20'

DATE: July 2014

Blinn Tennis Courts.dwg

DRAWN BY: C.M. CHECKED BY: Y.L.

SHEET 4 of 10

BLISS COURT

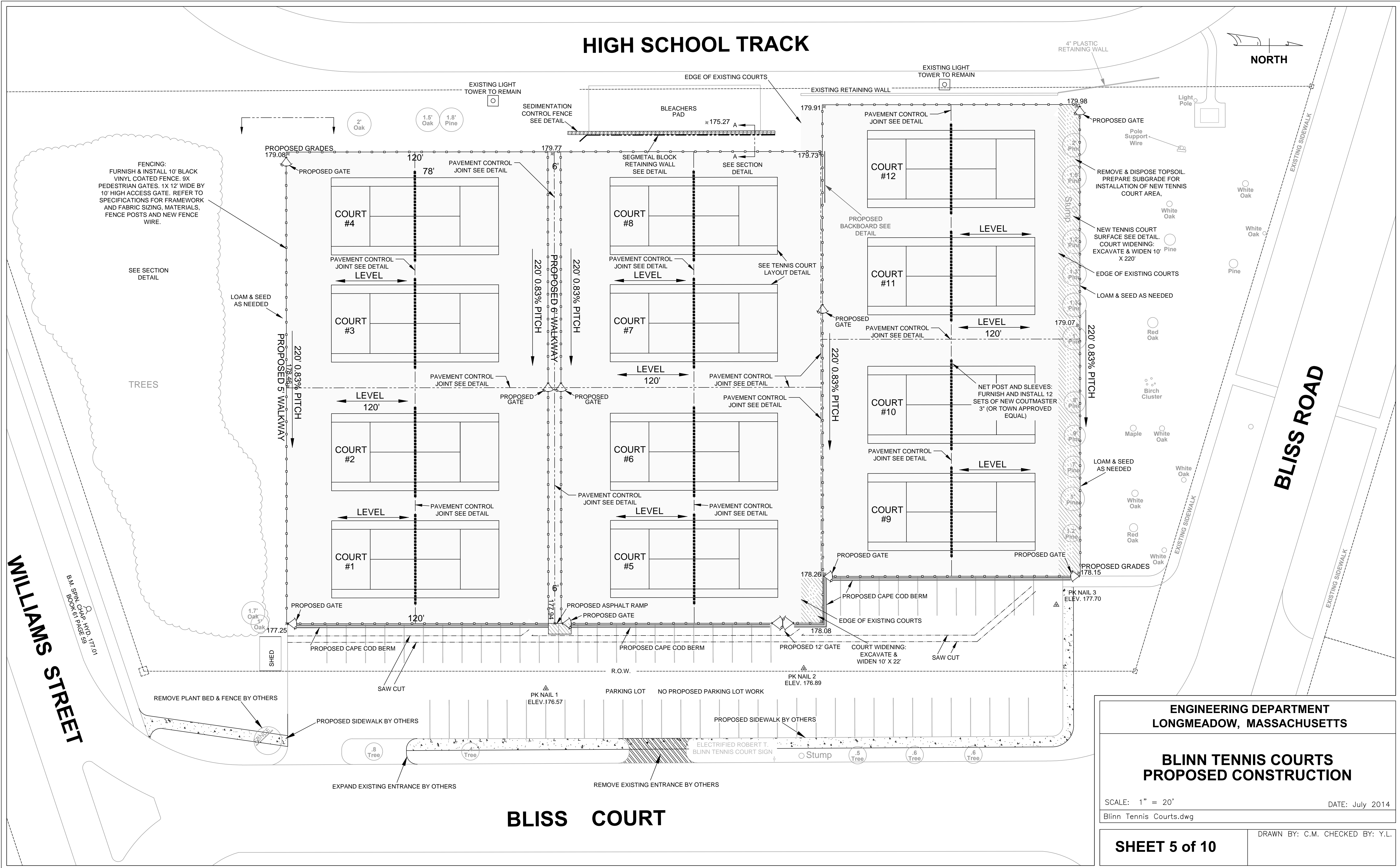
WILLIAMS STREET

BLISS ROAD

B.M. SPK 61 171.00
B.M. SPK 62 171.00
B.M. SPK 63 171.00
B.M. SPK 64 171.00
B.M. SPK 65 171.00
B.M. SPK 66 171.00
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B.M. SPK 98 171.00
B.M. SPK 99 171.00
B.M. SPK 100 171.00

HIGH SCHOOL TRACK

NORTH



FENCING:
FURNISH & INSTALL 10' BLACK VINYL COATED FENCE. 9X PEDESTRIAN GATES. 1X 12' WIDE BY 10' HIGH ACCESS GATE. REFER TO SPECIFICATIONS FOR FRAMEWORK AND FABRIC SIZING, MATERIALS, FENCE POSTS AND NEW FENCE WIRE.

SEE SECTION DETAIL

LOAM & SEED AS NEEDED

TREES

WILLIAMS STREET

BLISS ROAD

BLISS COURT

ENGINEERING DEPARTMENT
LONGMEADOW, MASSACHUSETTS

BLINN TENNIS COURTS
PROPOSED CONSTRUCTION

SCALE: 1" = 20' DATE: July 2014

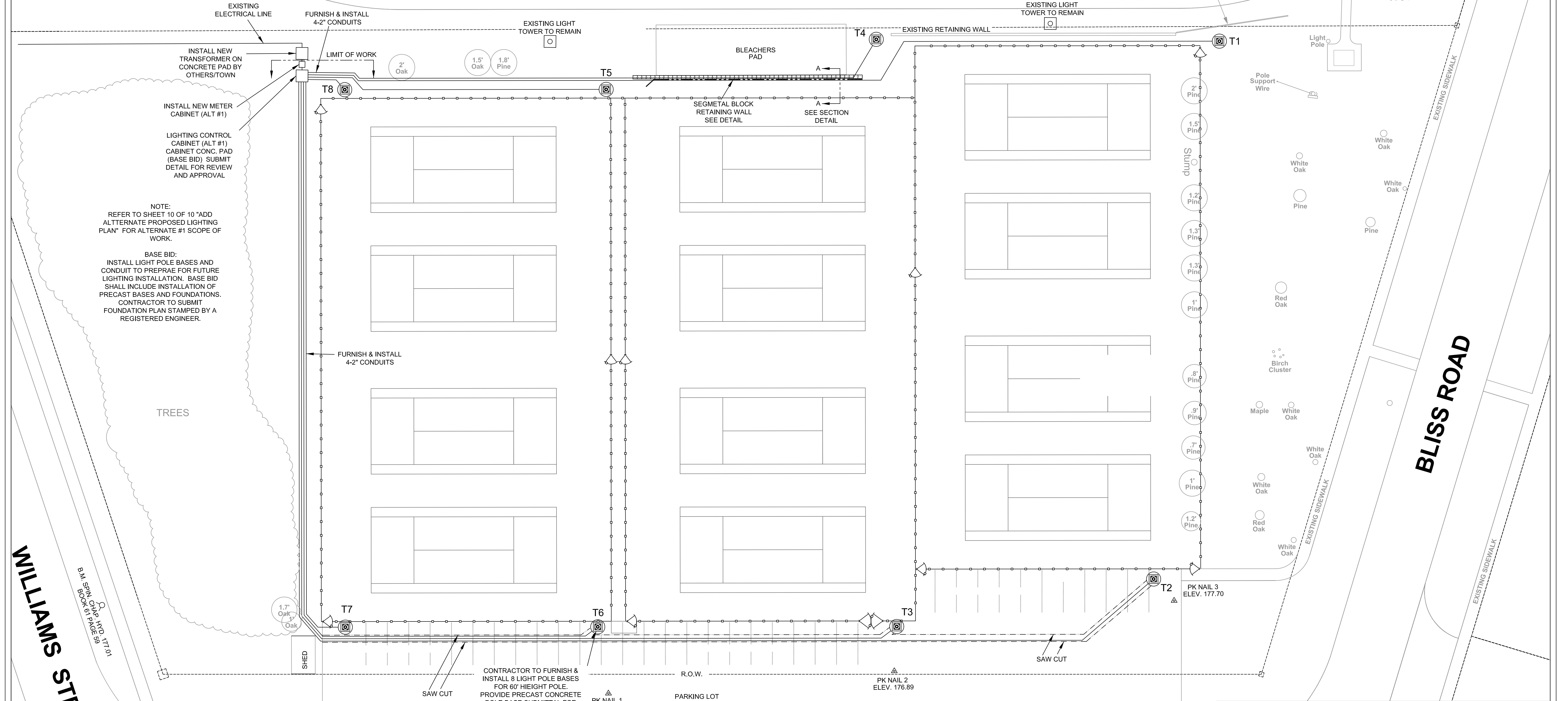
Blinn Tennis Courts.dwg

SHEET 5 of 10

DRAWN BY: C.M. CHECKED BY: Y.L.

HIGH SCHOOL TRACK

NORTH



NOTE:
REFER TO SHEET 10 OF 10 "ADD
ALTERNATE PROPOSED LIGHTING
PLAN" FOR ALTERNATE #1 SCOPE OF
WORK.

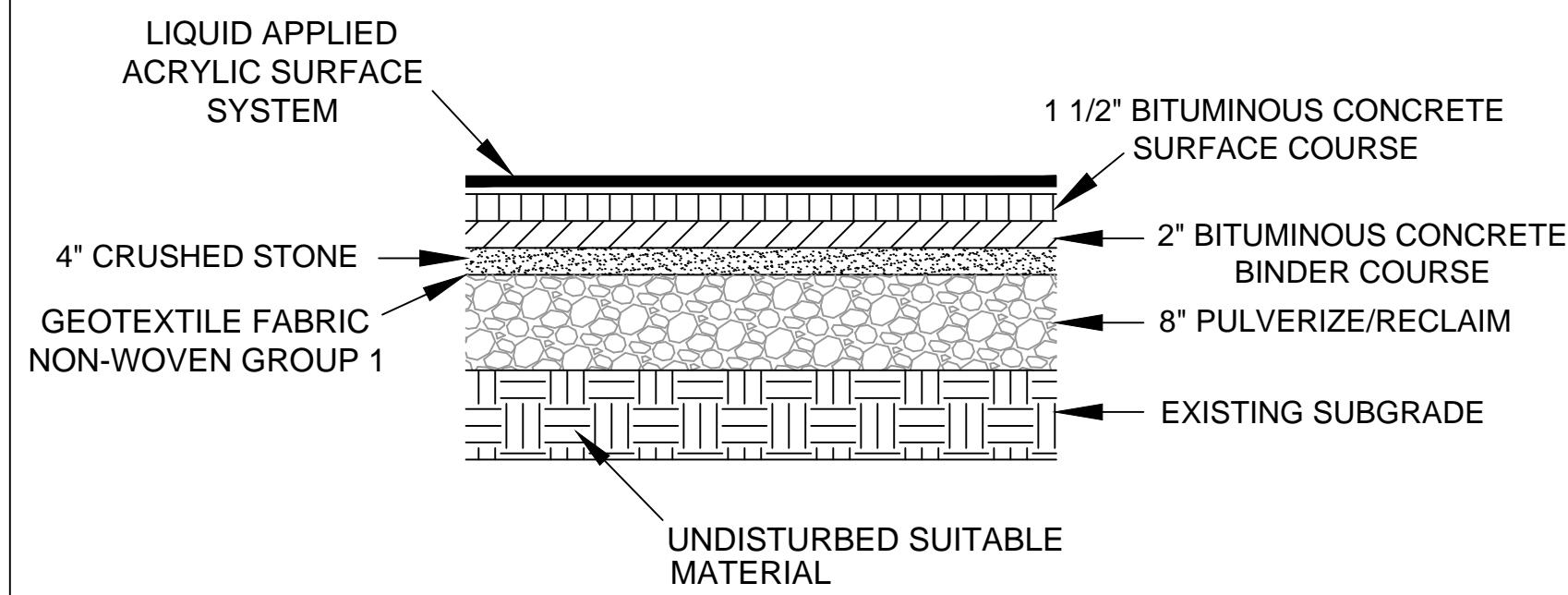
BASE BID:
INSTALL LIGHT POLE BASES AND
CONDUIT TO PREPARE FOR FUTURE
LIGHTING INSTALLATION. BASE BID
SHALL INCLUDE INSTALLATION OF
PRECAST BASES AND FOUNDATIONS.
CONTRACTOR TO SUBMIT
FOUNDATION PLAN STAMPED BY A
REGISTERED ENGINEER.

WILLIAMS STREET

BLISS ROAD

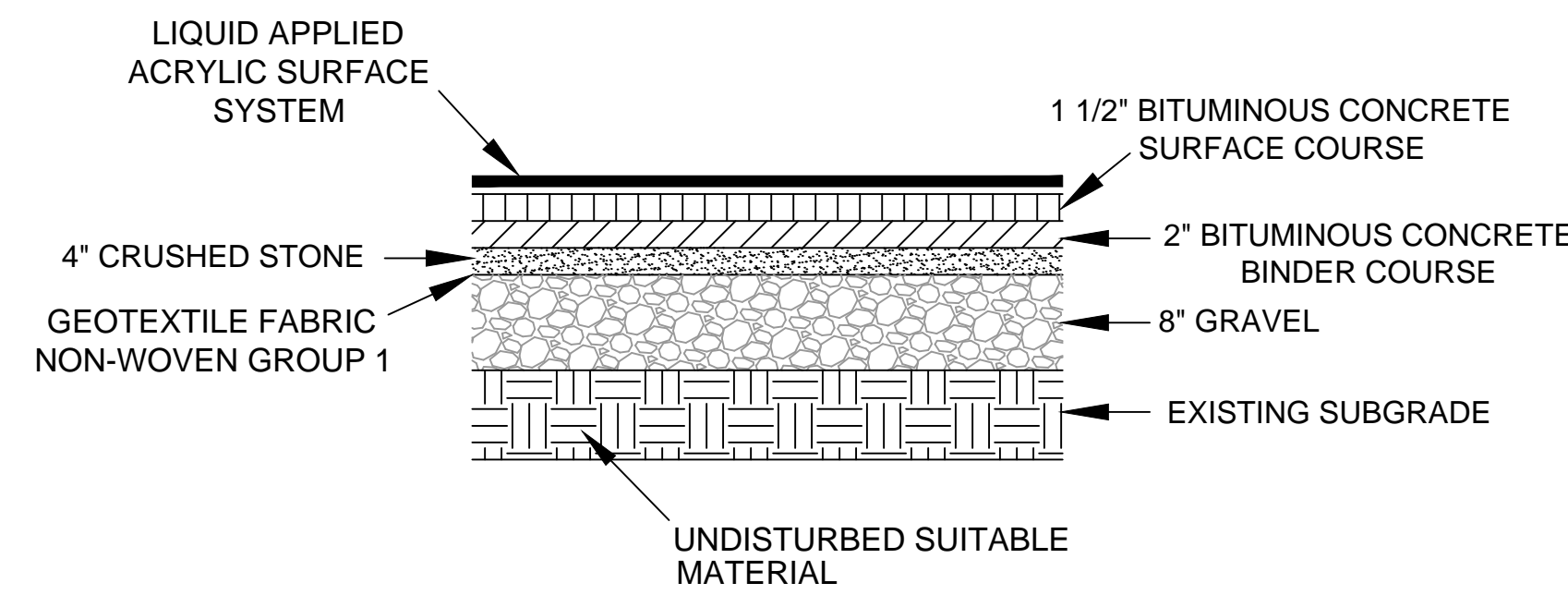
BLISS COURT

ENGINEERING DEPARTMENT LONGMEADOW, MASSACHUSETTS	
BLINN TENNIS COURTS PROPOSED LIGHTING LAYOUT	
SCALE: 1" = 20'	DATE: July 2014
Blinn Tennis Courts.dwg	
SHEET 6 of 10	DRAWN BY: C.M. CHECKED BY: Y.L.



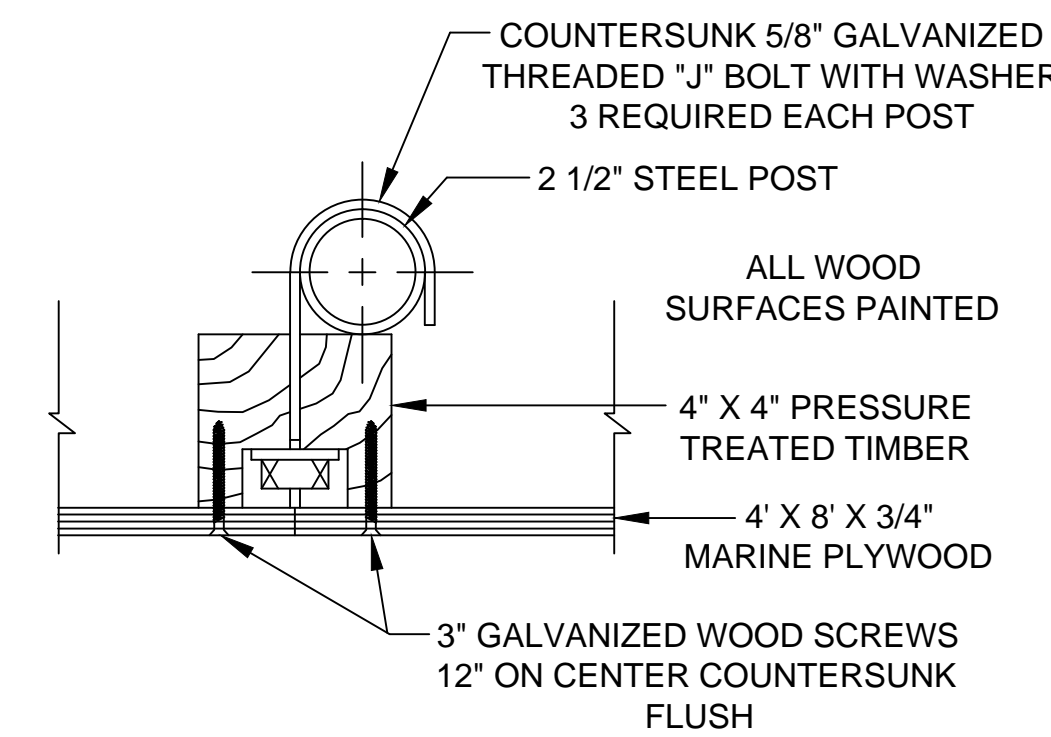
EXISTING TENNIS COURT SURFACE DETAIL

NOT TO SCALE:



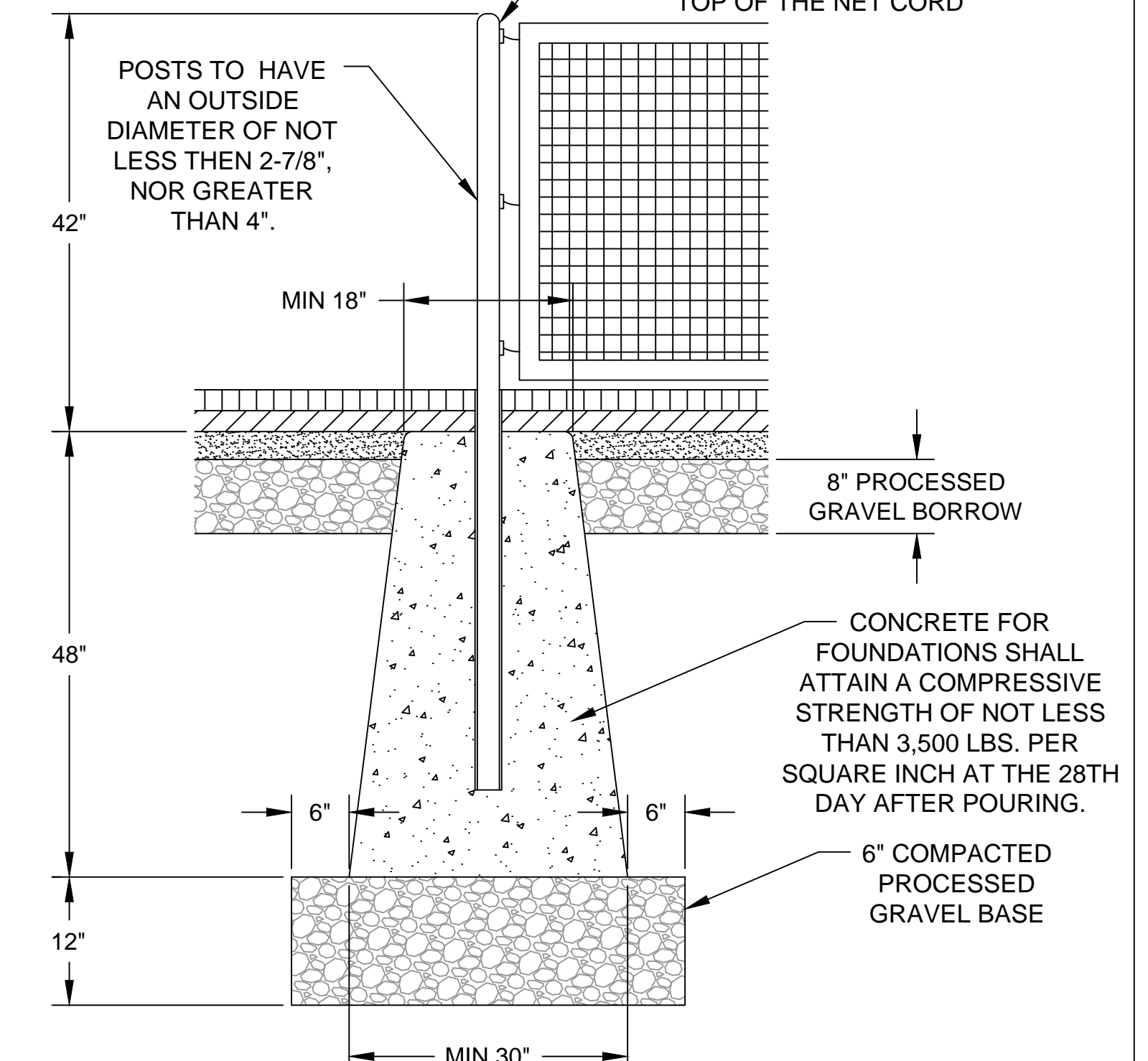
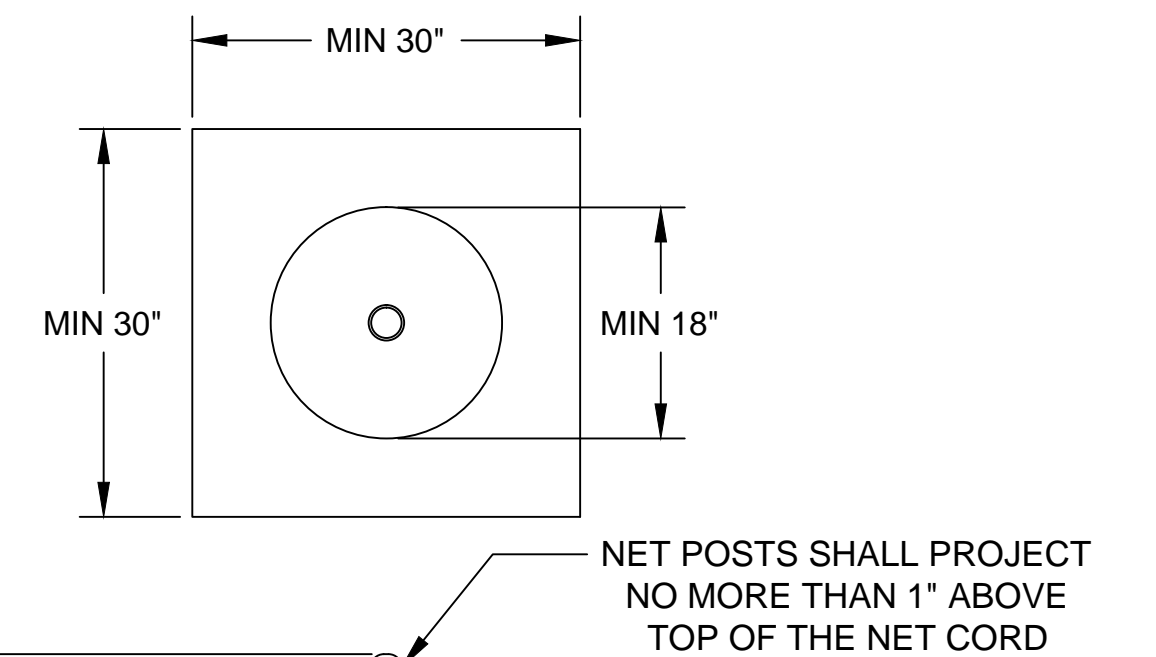
NEW TENNIS COURT SURFACE DETAIL

NOT TO SCALE:



ANCHOR BOLT DETAIL

NOT TO SCALE



POST & SLEEVE DETAIL

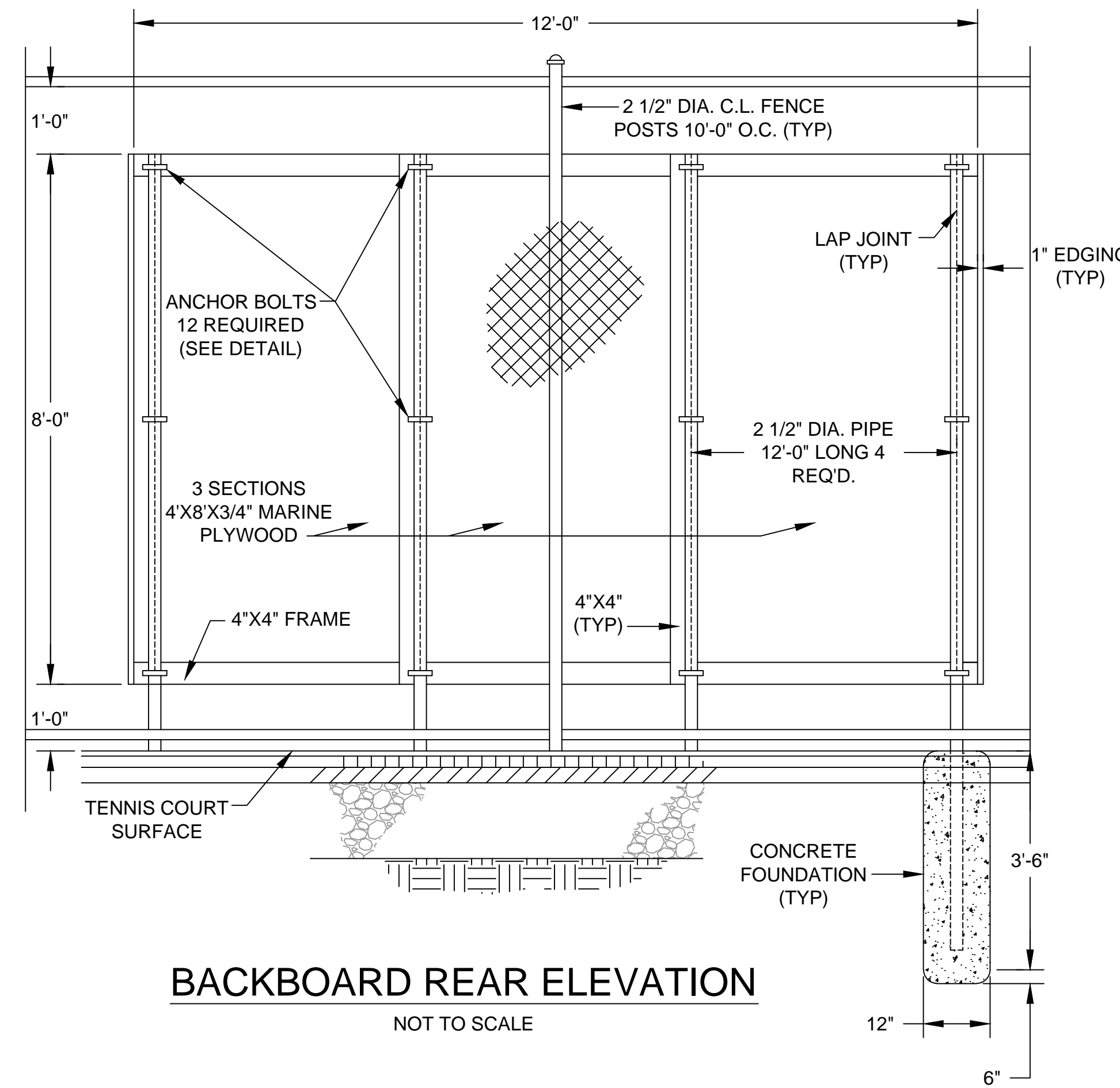
NOT TO SCALE:

NOTES:

1. PULVERIZE/RECLAIM THE EXISTING ASPHALT SURFACE AND GRAVEL BASE, TO A DEPTH OF 8 INCHES. ANY LARGE OR UNUSABLE MATERIALS TO BE REMOVED AND DISPOSED OF OFF-SITE AT THE CONTRACTOR'S EXPENSE. REMOVE MATERIAL AS NECESSARY TO ALLOW FOR THE INSTALLATION OF GRAVEL OR LEAVE IN PLACE IF THE EXISTING CONDITION WARRANTS. CONTRACTOR TO SUBMIT GRADATION / SIEVE ANALYSIS OF PULVERIZED / RECLAIMED BASE FOR APPROVAL PRIOR TO USE. THE NEWLY PULVERIZED SUB-BASE WILL BE BROUGHT TO A 1% ROUGH GRADE. THE NEWLY PULVERIZED SUB-BASE SHALL BE COMPACTED WITH A TEN-TON VIBRATORY ROLLER, TO 95% OF MAXIMUM DENSITY AND BE FIELD TESTED BY USE OF A NUCLEAR GAUGE OR OTHER SUITABLE METHOD. ALL TESTING SHALL BE DOCUMENTED. SPECIFICATION FOR THE GRAVEL BASE COURSE PER MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND ABRIDGES, DATED 2003, GRAVEL BORROW, M1.03.0 TYPE B.
2. SUPPLY AND INSTALL 4 INCHES OF DENSE GRADED CRUSHED STONE OVER THE PULVERIZED SUB-BASE. DENSE GRADED CRUSHED STONE WILL BE FINE GRADED TO AN 84% GRADE IN ORDER TO ENSURE PROPER PITCH FOR WATER DRAINAGE. THE DENSE GRADED CRUSHED STONE SHALL BE COMPACTED WITH A TEN-TON VIBRATORY ROLLER, TO 95% OF MAXIMUM DENSITY AND BE FIELD TESTED BY USE OF A NUCLEAR GAUGE OR OTHER SUITABLE METHOD. ALL TESTING SHALL BE DOCUMENTED. ALL POSTS, MUST BE INSTALLED PRIOR TO PAVING.
3. SURFACE COURSE). SUPPLY AND INSTALL ONE, 2 INCH LAYER OF CLASS I ASPHALT BINDER COURSE USING A LASER GUIDED ASPHALT PAVER. CLASS I BITUMINOUS CONCRETE PAVEMENT TYPE I-1 (DENSE BINDER COURSE). SUPPLY AND INSTALL ONE 1-1/2 INCH LAYER OF CLASS I ASPHALT SURFACE COURSE USING A LASER GUIDED PAVER. ASPHALT SHALL BE COMPACTED WITH A TEN-TON ROLLER (BACK ROLLING CAN BE COMPLETED WITH SMALLER ROLLERS TO REMOVE ANY LINES OR BLEMISHES) TO 93% OF MAXIMUM DENSITY AND BE FIELD TESTED BY USE OF A NUCLEAR GAUGE OR OTHER SUITABLE METHOD. ALL TESTING TO BE DOCUMENTED. HOT MIX ASPHALT SHALL BE TESTED PER THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, DATED 2003 FOR CLASS I BITUMINOUS CONCRETE PAVEMENT TYPE I-1 (DENSE MIX FOR TOP COURSE).

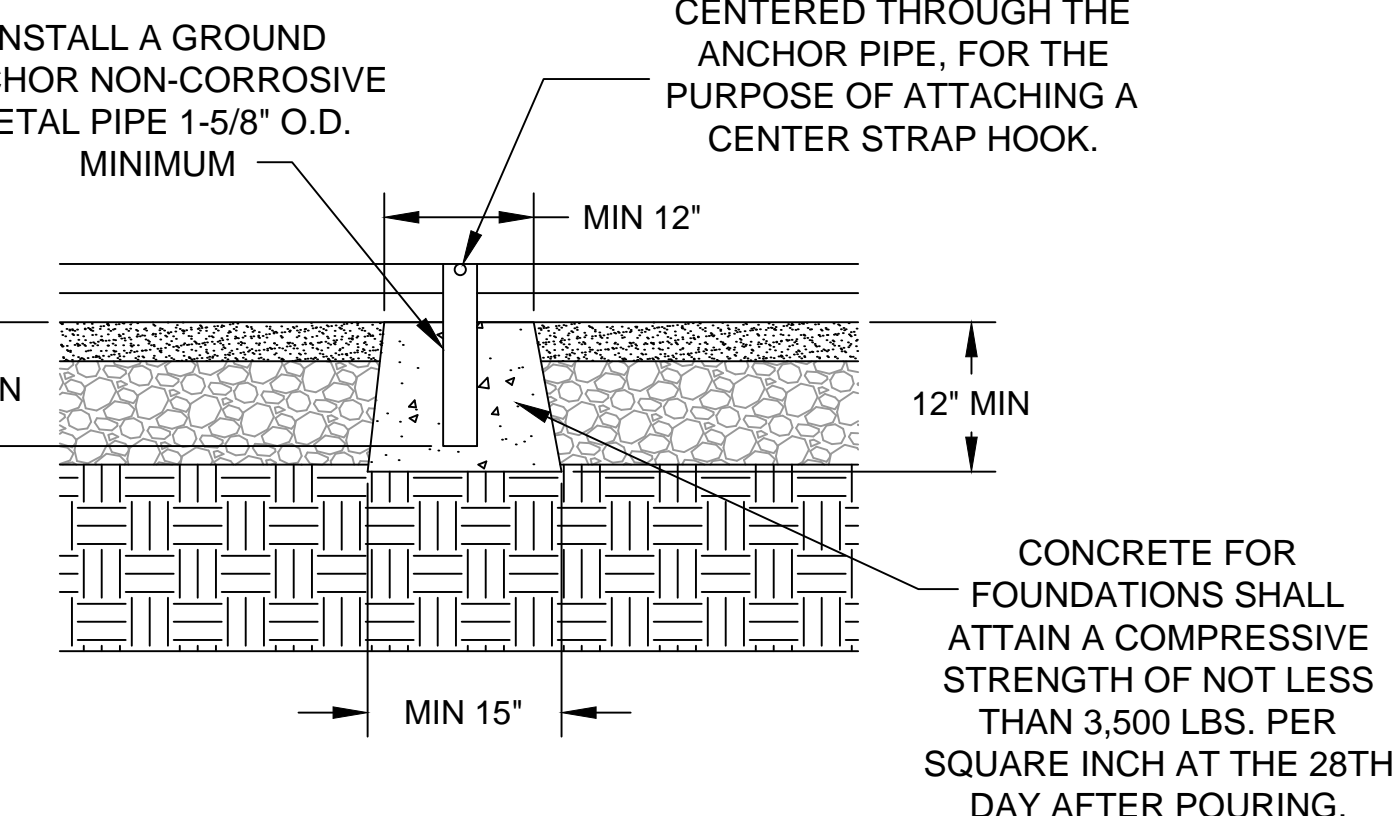
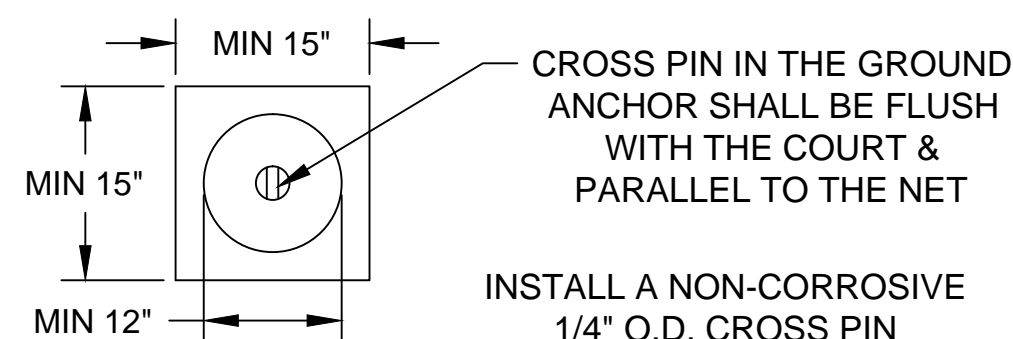
SERVICE BACKBOARD DETAILS

NOT TO SCALE



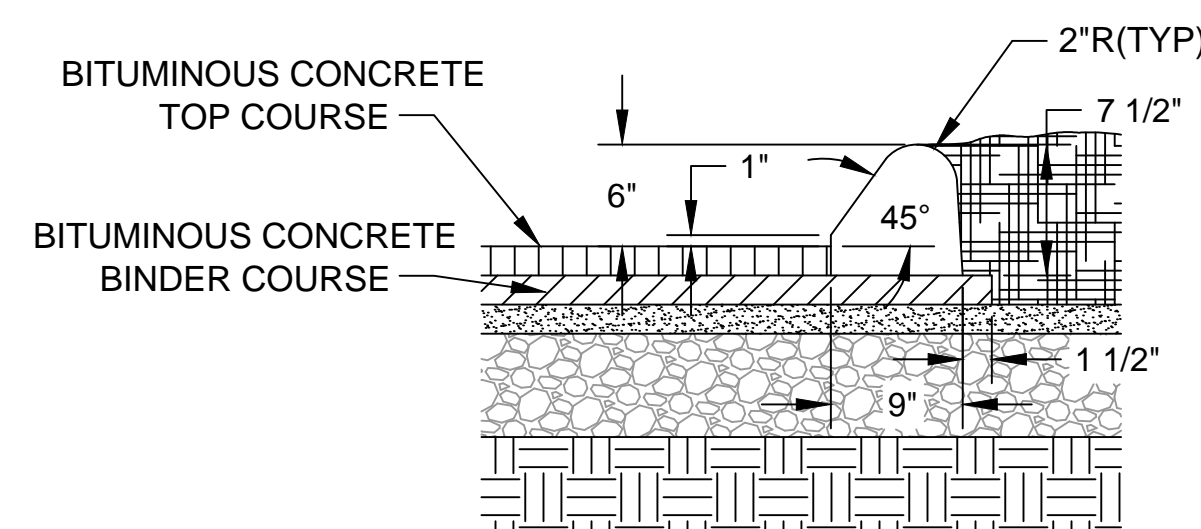
BACKBOARD REAR ELEVATION

NOT TO SCALE



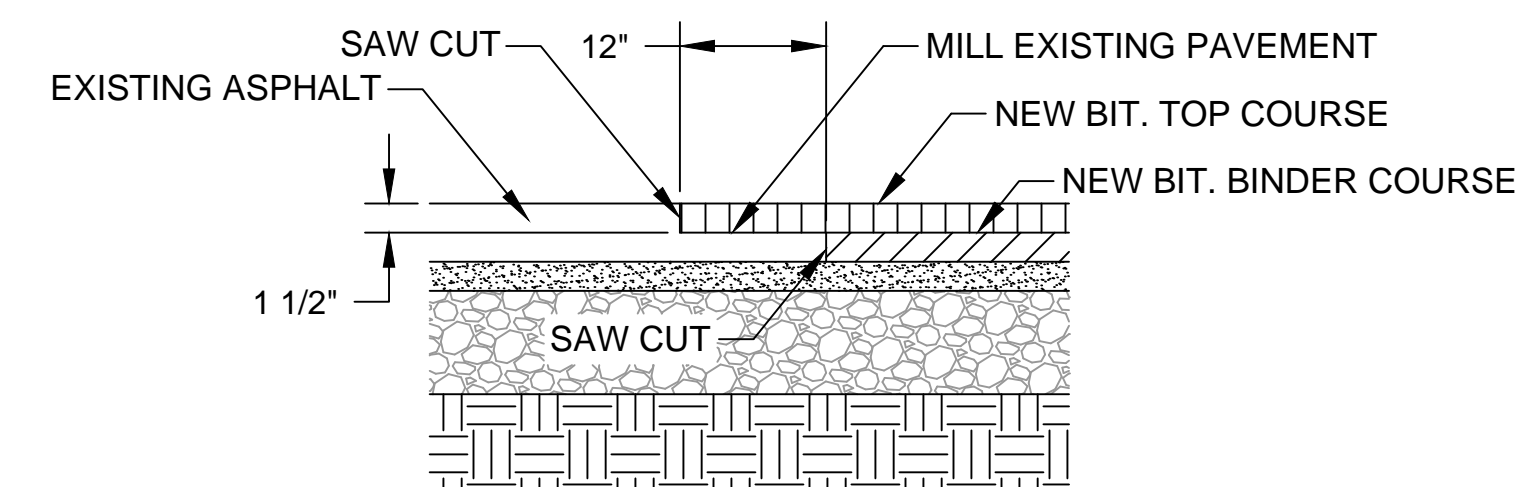
GROUND ANCHOR DETAIL

NOT TO SCALE:



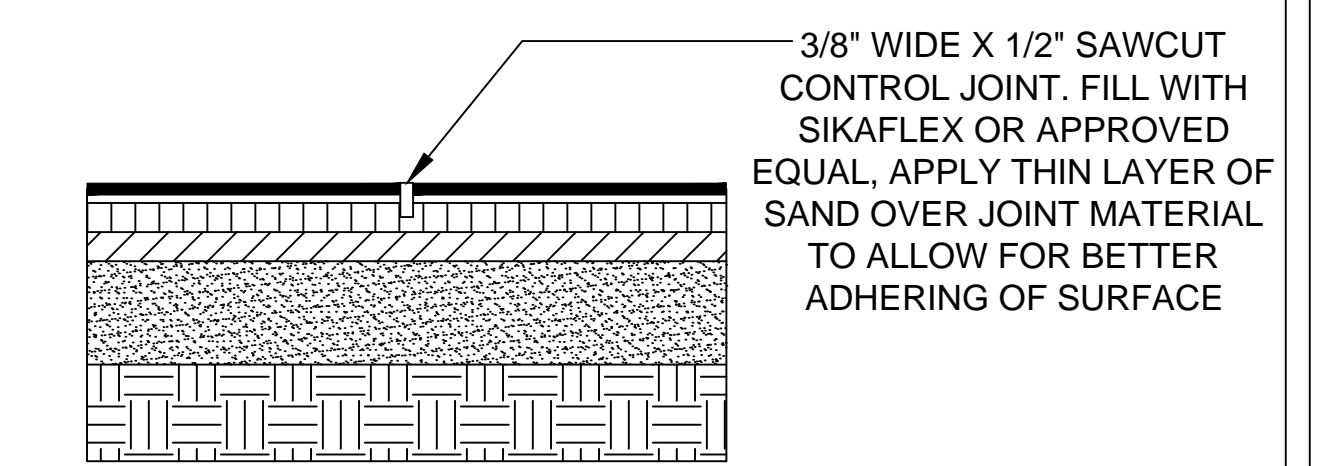
BITUMINOUS CONCRETE BERM

NOT TO SCALE:



TYPICAL BUTT JOINT TO EXISTING PAVEMENT

NOT TO SCALE:



PAVEMENT CONTROL JOINT

NOT TO SCALE:

**ENGINEERING DEPARTMENT
LONGMEADOW, MASSACHUSETTS**

**BLINN TENNIS COURTS
RENOVATION DETAILS 1**

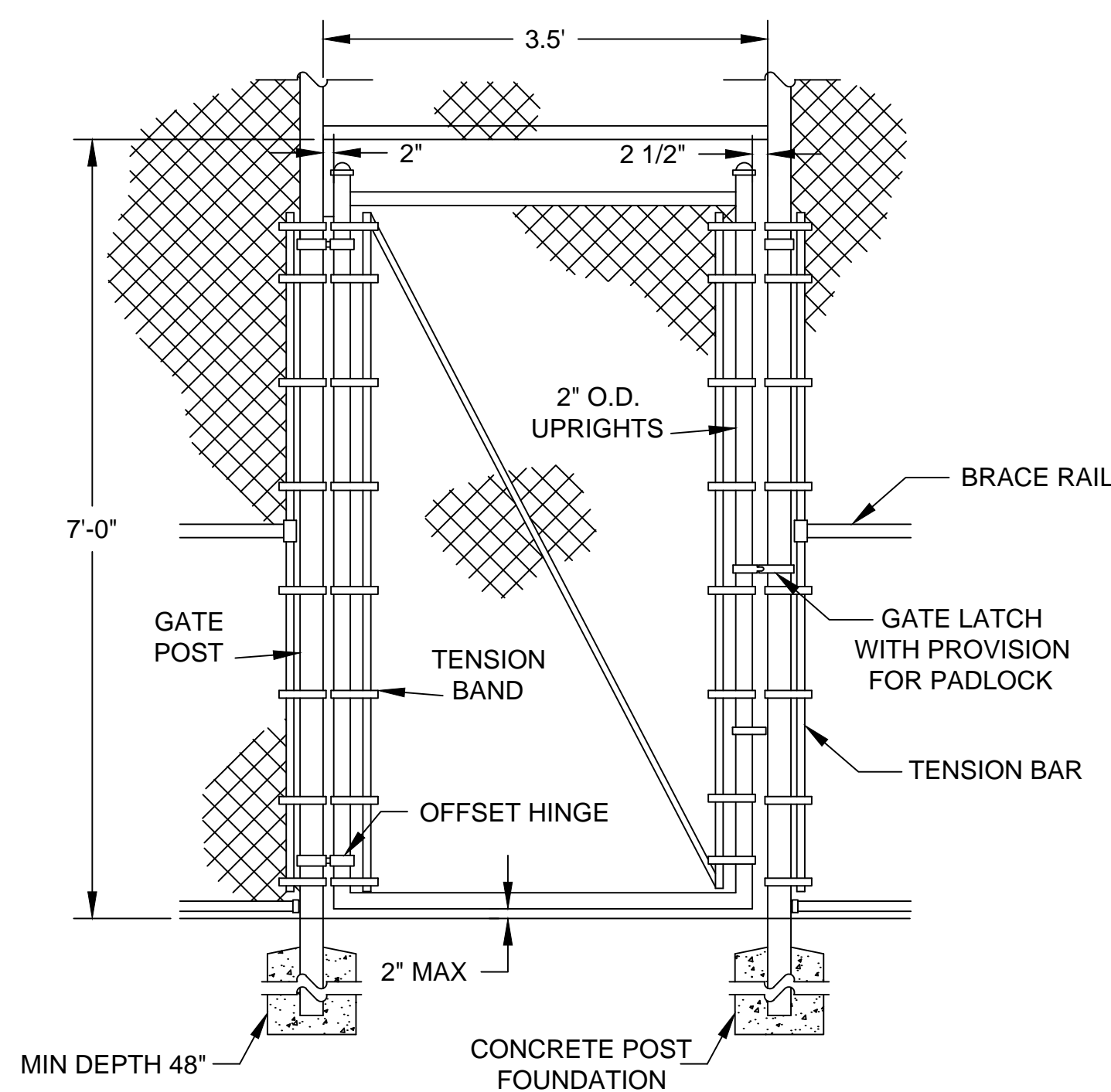
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DATE: July 2014

Blinn Tennis Courts.dwg

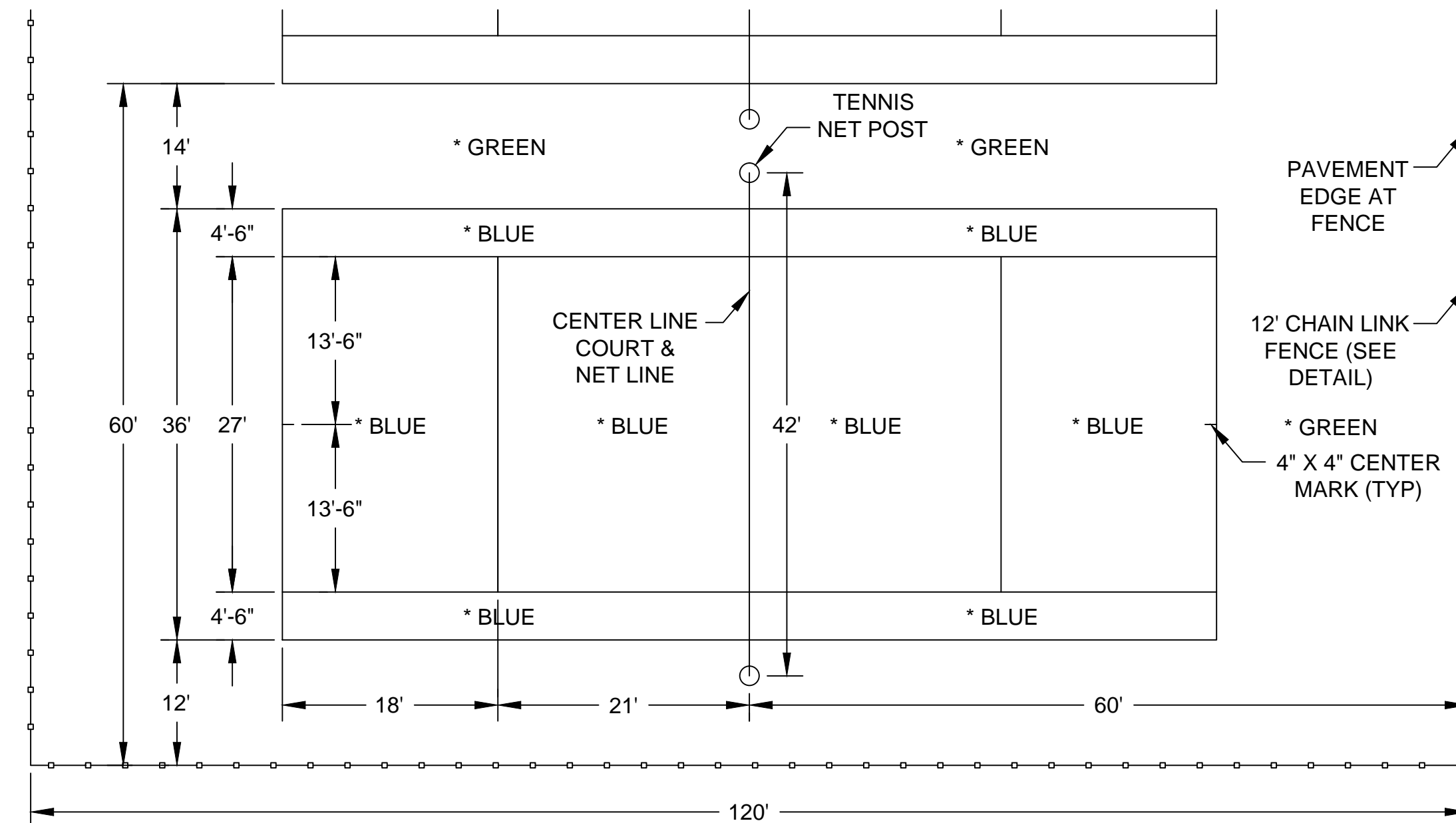
SHEET 7 of 10

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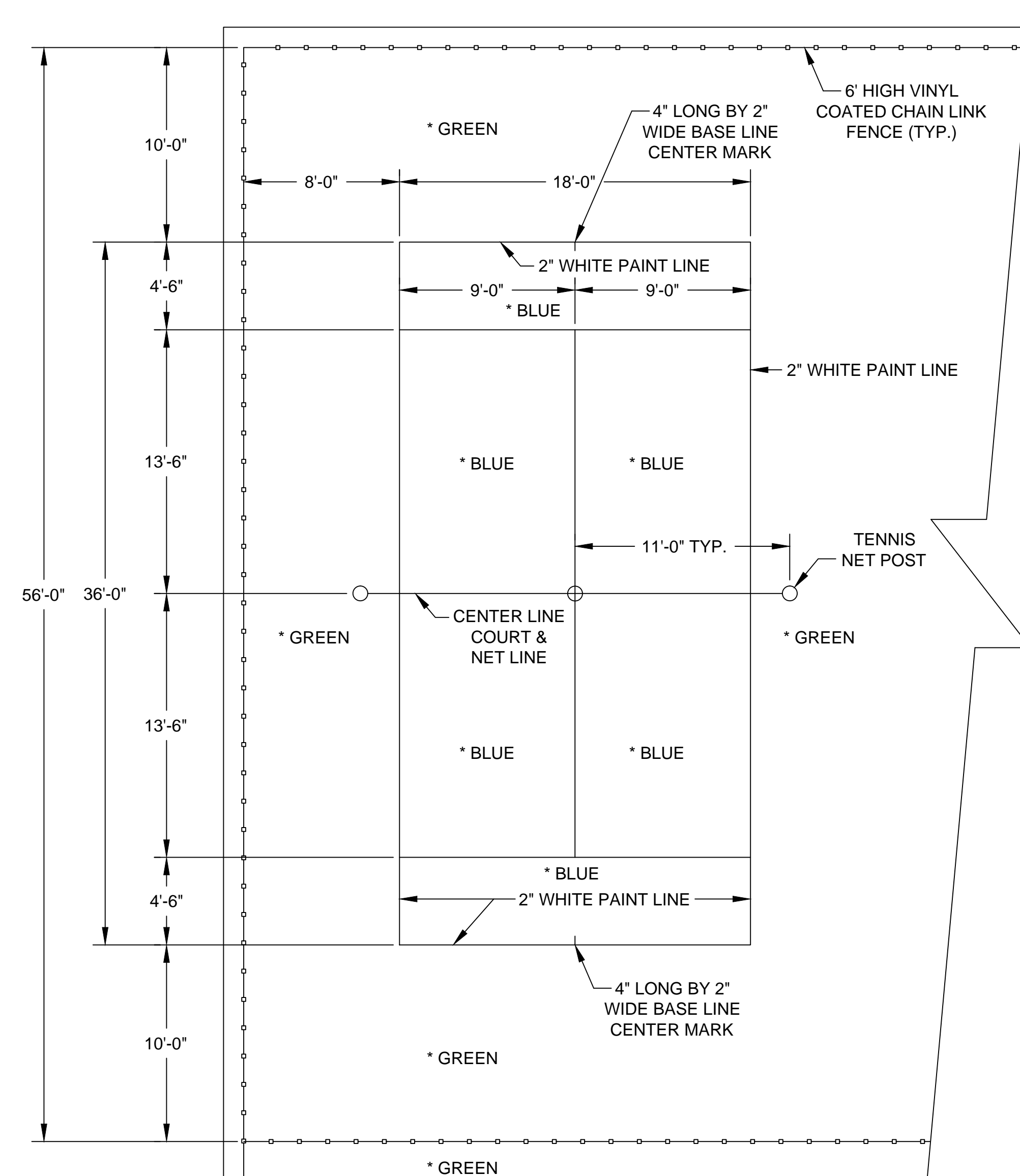
**CHAIN LINK FENCE
SINGLE GATE DETAIL**
NOT TO SCALE

- NOTE:
1. FOOTING WIDTH TO BE (4)X POST WIDTH.
 2. GATES SHALL BE MANUALLY OPERATED.
 3. FABRIC AND POST SHALL BE BLACK PVC COATED PER ASTM F 6682B



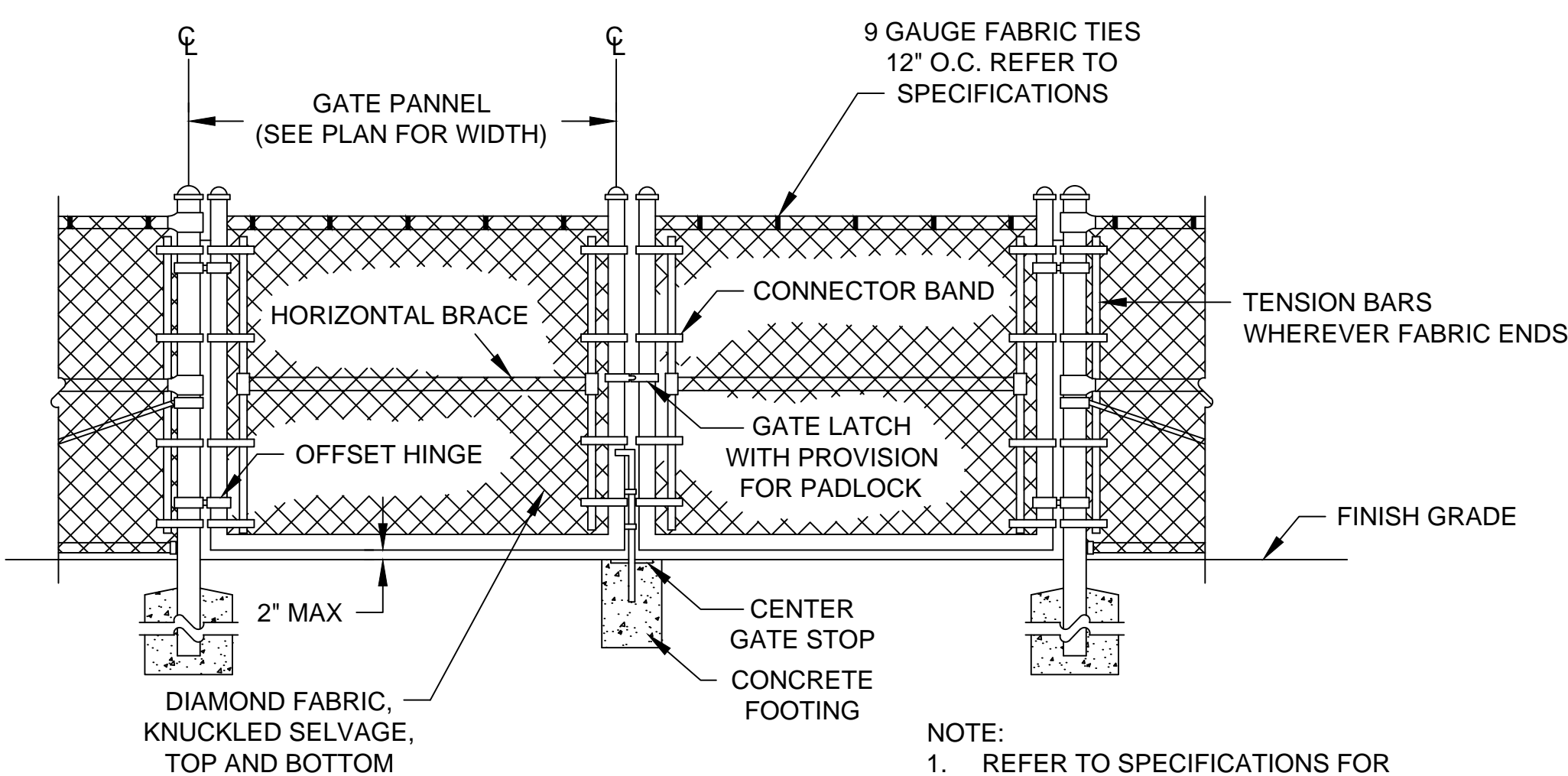
TENNIS COURT LAYOUT
NOT TO SCALE

- NOTE:
1. ALL LINES TO BE PAINTED WHITE. THE BASE LINE SHALL BE 4" WIDE, ALL OTHER LINES SHALL BE 2" WIDE.
 2. THE INBOUNDS AREA SHALL BE BLUE
 3. MAXIMUM SLOPE 1%.
 4. SEE SPECIFICATION FOR COLOR SURFACING SPEC.



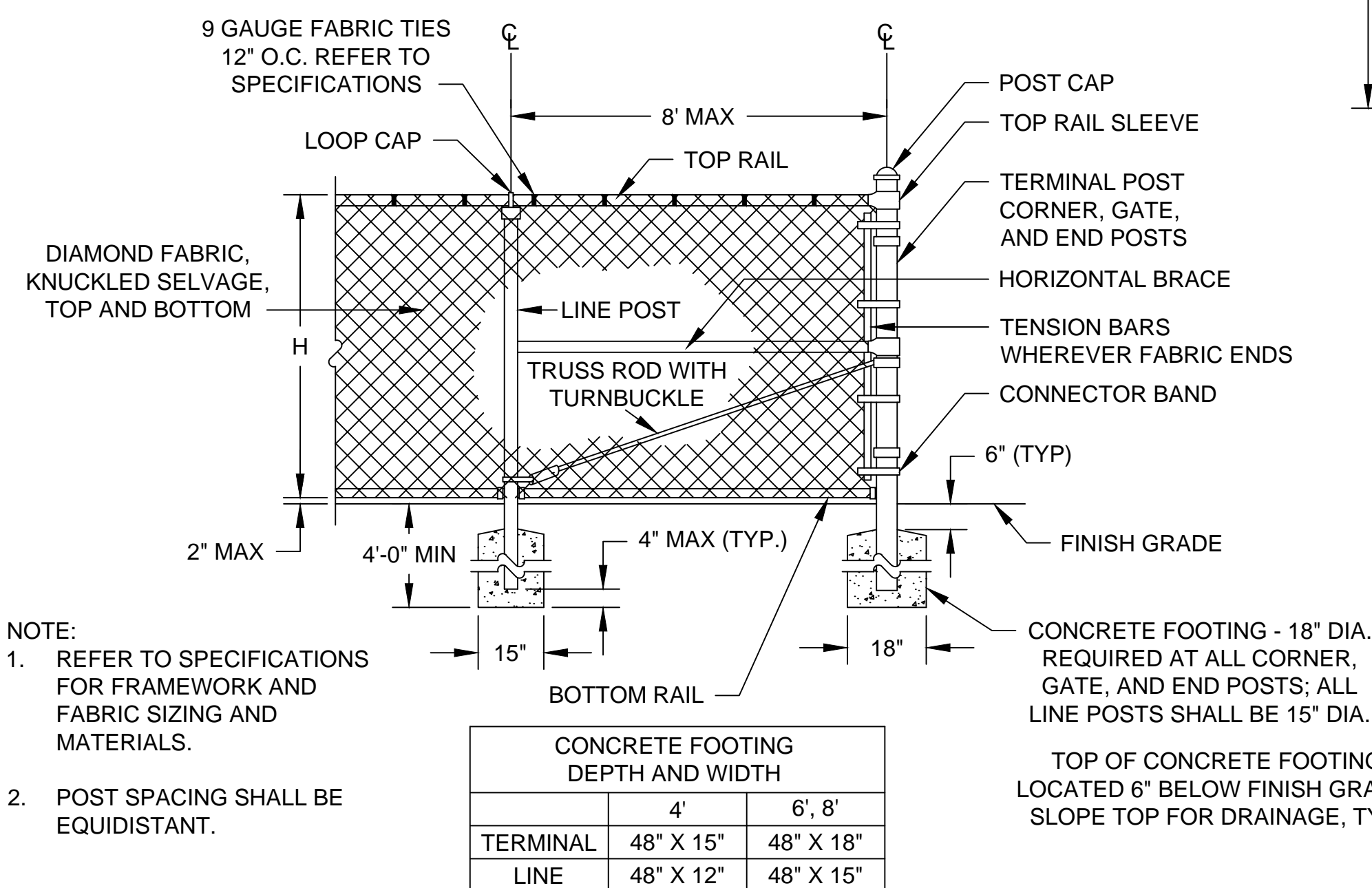
18' X 36' QUICKSTART TENNIS COURTS 2X
(SEE MASS. STANDARDS Sec. 767.8)
NOT TO SCALE

- NOTES:
1. NEW TENNIS COURTS TO INCLUDE INSTALLATION OF NEW POSTS, NETS STRAPS W/ANCHORS, REBOUND BOARD, FENCING.
 2. COURTS SURFACE COLORS TO BE CONFIRMED / APPROVED BY OWNER.
 3. ALL MEASUREMENTS ARE OUTSIDE TO OUTSIDE OF COURTS LINES.
 4. ALL FENCE MEASUREMENTS ARE CENTERLINE TO CENTERLINE



**CHAIN LINK FENCE
DOUBLE GATE DETAIL**
NOT TO SCALE

- NOTE:
1. REFER TO SPECIFICATIONS FOR FRAMEWORK AND FABRIC SIZING AND MATERIALS.
 2. REFER TO CHAIN LINK FENCE DETAIL AND SPECIFICATIONS FOR FOOTING SIZING AND REQUIREMENTS
 3. POST SPACING SHALL BE EQUIDISTANT



CHAIN LINK FENCE DETAIL
NOT TO SCALE

- NOTE:
1. REFER TO SPECIFICATIONS FOR FRAMEWORK AND FABRIC SIZING AND MATERIALS.
 2. POST SPACING SHALL BE EQUIDISTANT.

	CONCRETE FOOTING DEPTH AND WIDTH	
	4'	6', 8'
TERMINAL	48" X 15"	48" X 18"
LINE	48" X 12"	48" X 15"

TOP OF CONCRETE FOOTING LOCATED 6" BELOW FINISH GRADE. SLOPE TOP FOR DRAINAGE, TYP.

**ENGINEERING DEPARTMENT
LONGMEADOW, MASSACHUSETTS**

**BLINN TENNIS COURTS
RENOVATION DETAILS 2**

SCALE: N.T.S.

DATE: July 2014

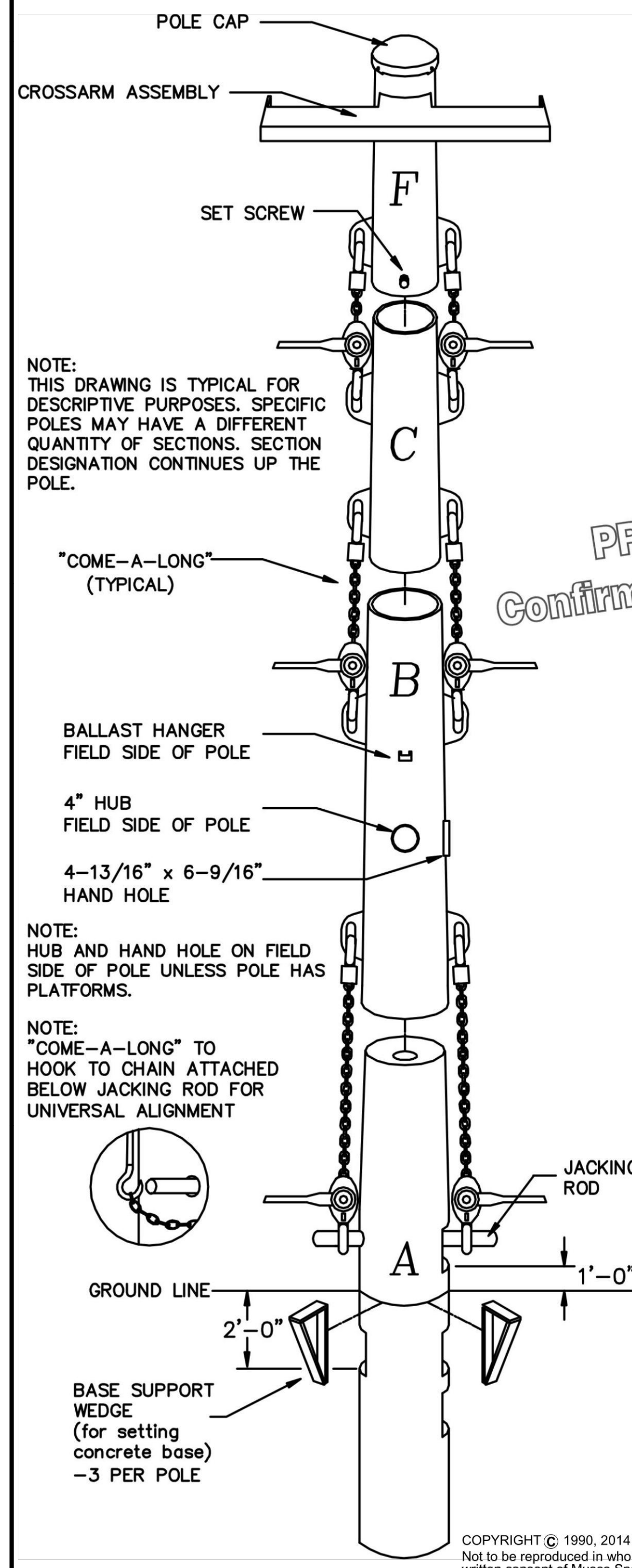
Blinn Tennis Courts.dwg

SHEET 8 of 10

DRAWN BY: C.M. CHECKED BY: Y.L.

Foundation and Pole Assembly Drawing

Sheet 1 OF 1



POLE	MTG HT. (ft)	NBR FXT	WEIGHT		BURIAL			BACK FILL (cy ³)
			CONC BASE (lbs)	DRESSED POLE (lbs)	HOLE DIA (in)	HOLE DPTH (ft)	BUR DPTH (ft)	
T1	60	2	1870	875	30	10	10	1.5
T2	60	2	1870	875	30	10	10	1.5
T3	60	4	1840	1211	30	10	10	1.5
T4	60	4	1840	1211	30	10	10	1.5
T5	60	4	1840	1211	30	10	10	1.5
T6	60	4	1840	1211	30	10	10	1.5
T7	60	2	1870	875	30	10	10	1.5
T8	60	2	1870	875	30	10	10	1.5

Preliminary Information - Foundation requirements should be confirmed prior to installation.

PRELIMINARY
Confirm Before Installing

Note: Design standard IBC wind zone 100 mph.
Backfill - concrete needed for backfill is 3000PSI minimum strength.
Foundation design based on UBC or IBC class 5 strength soils.
Refer to Structural foundation designs or jacking drawings for final installation details.
Steel shaft weight is the dressed pole weight.

NOTE:
1: Come-a-longs" not supplied by Musco unless ordered for the Project

Blinn Memorial Tennis Courts
Longmeadow, MA USA

By: _____ Scale: _____ Date: **07/07/2014**

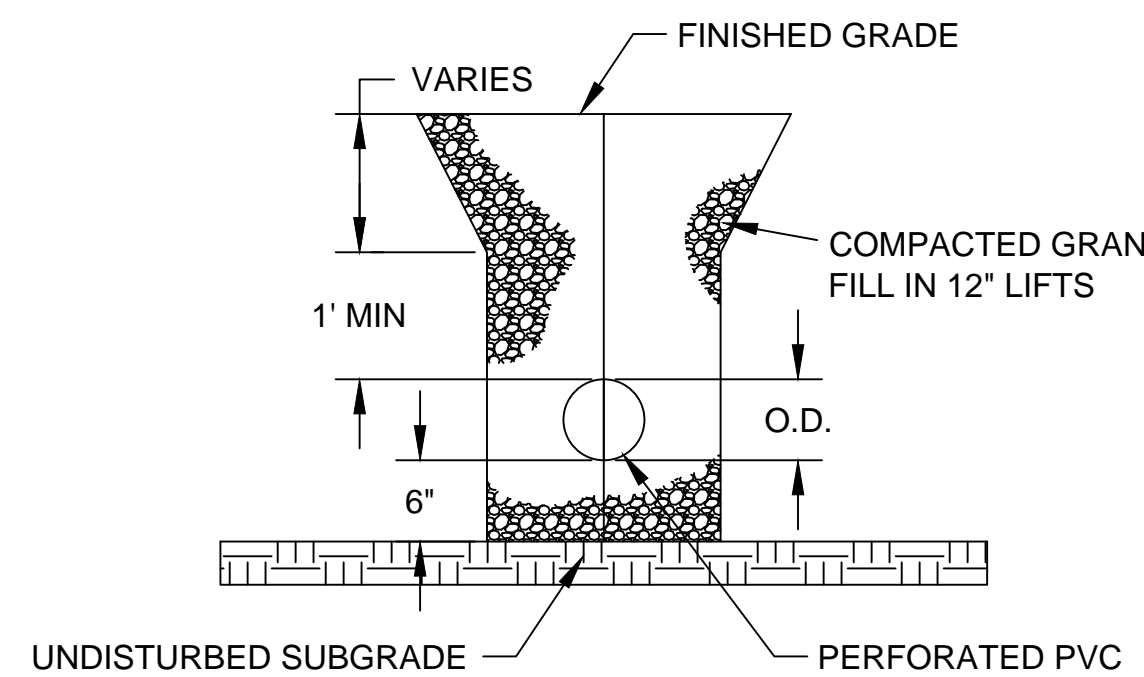
Rep: **M. Mahoney** Nbr: **150671**

Order: _____ Rev: _____

Form Rev Date: 07/21/99 Print Date: 07/07/2014 11:43:28 coversheet/R-ERRPT-PRESALE-JACKING-DRAWING-PS.p

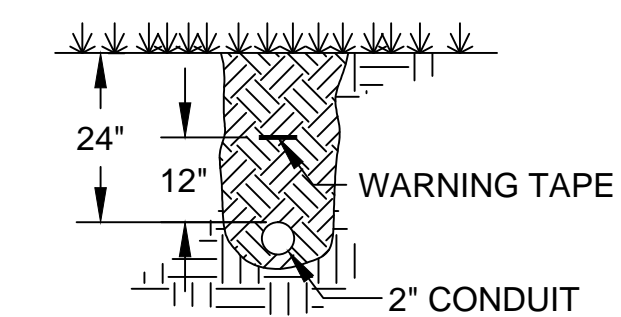
LIGHT TOWER DETAIL

NOT TO SCALE:



TRENCH SECTION PVC DRAIN

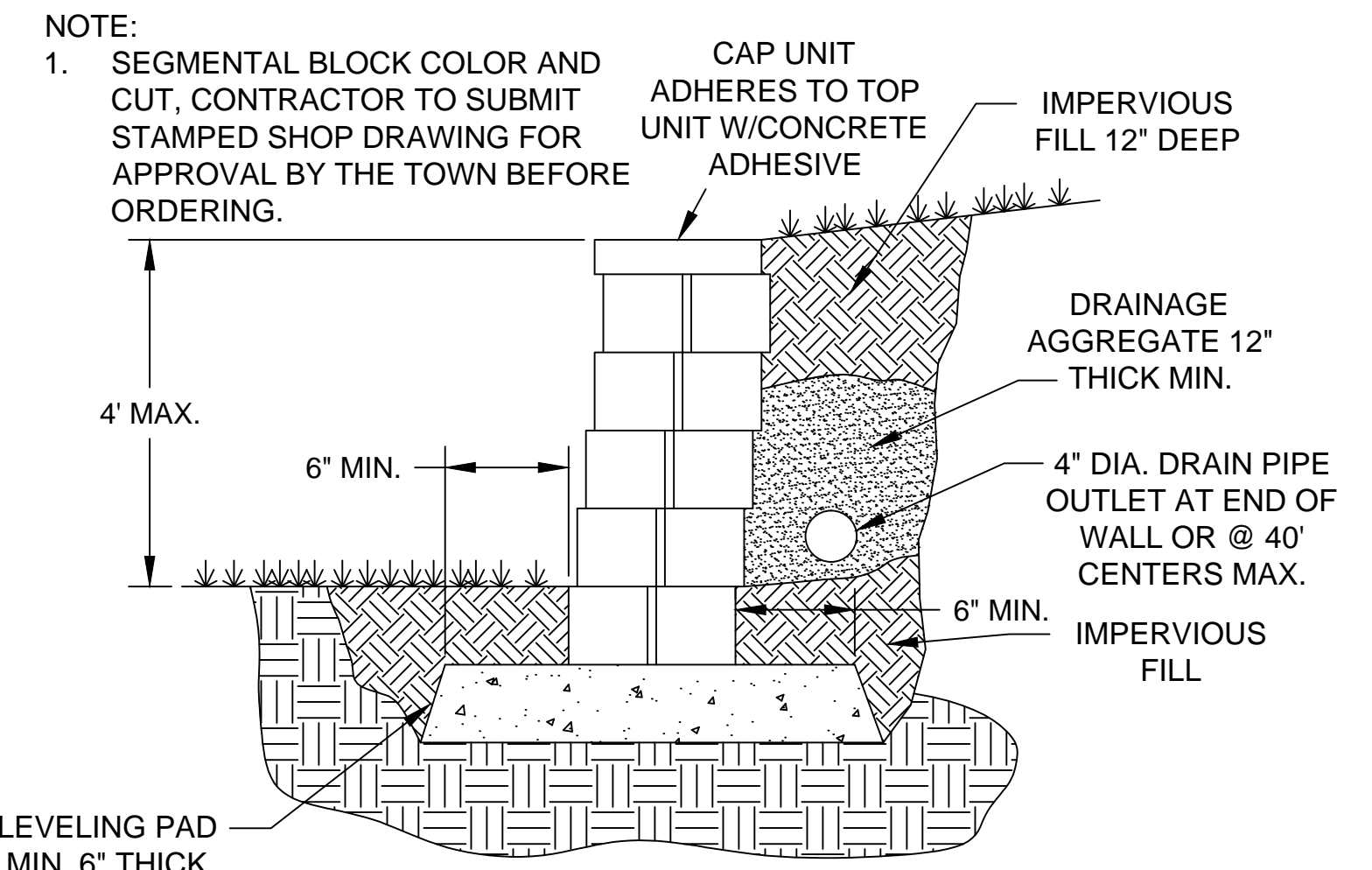
NOT TO SCALE:



CONDUIT DETAIL

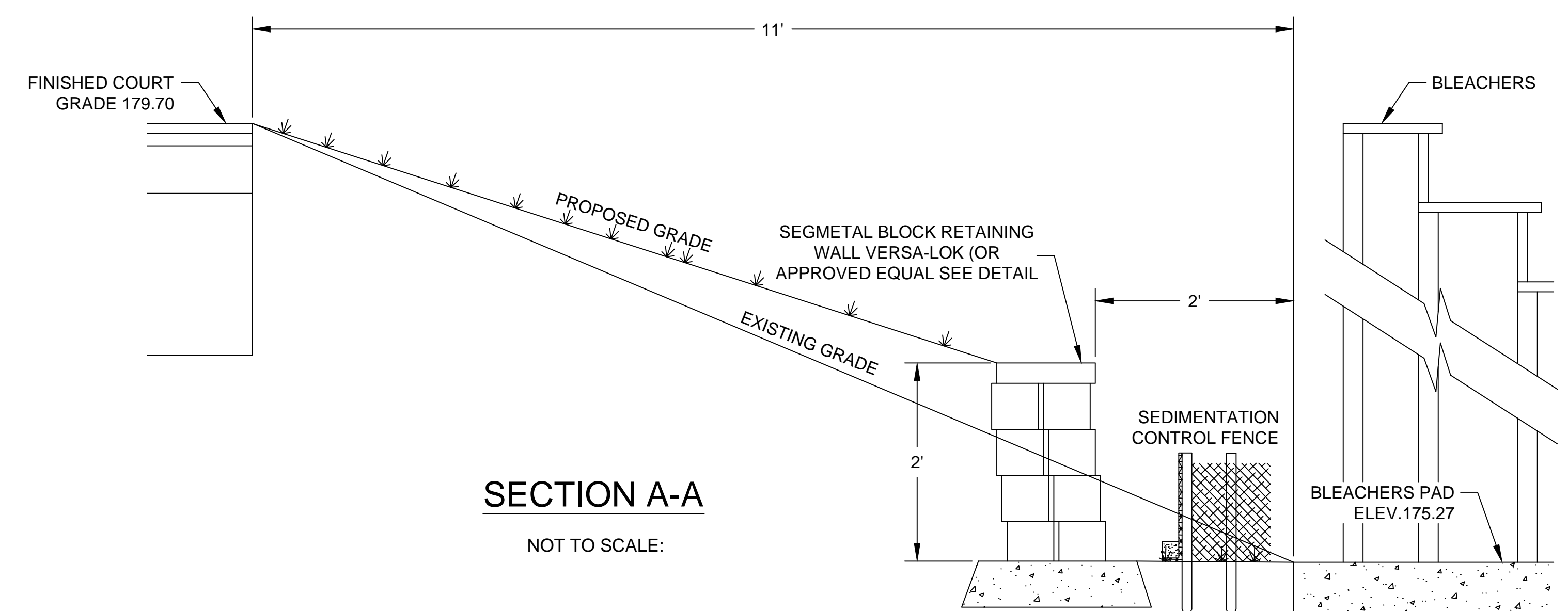
NOT TO SCALE:

NOTES:
1. PROVIDE CONDUIT SPACERS EVERY 5 TO 8 FT AND AT ALL COUPLINGS.
2. DUCTBANK CONDUIT, CONDUIT SPACERS, WIRE, & ALL OTHER WORK PROVIDED BY GENERAL CONTRACTOR



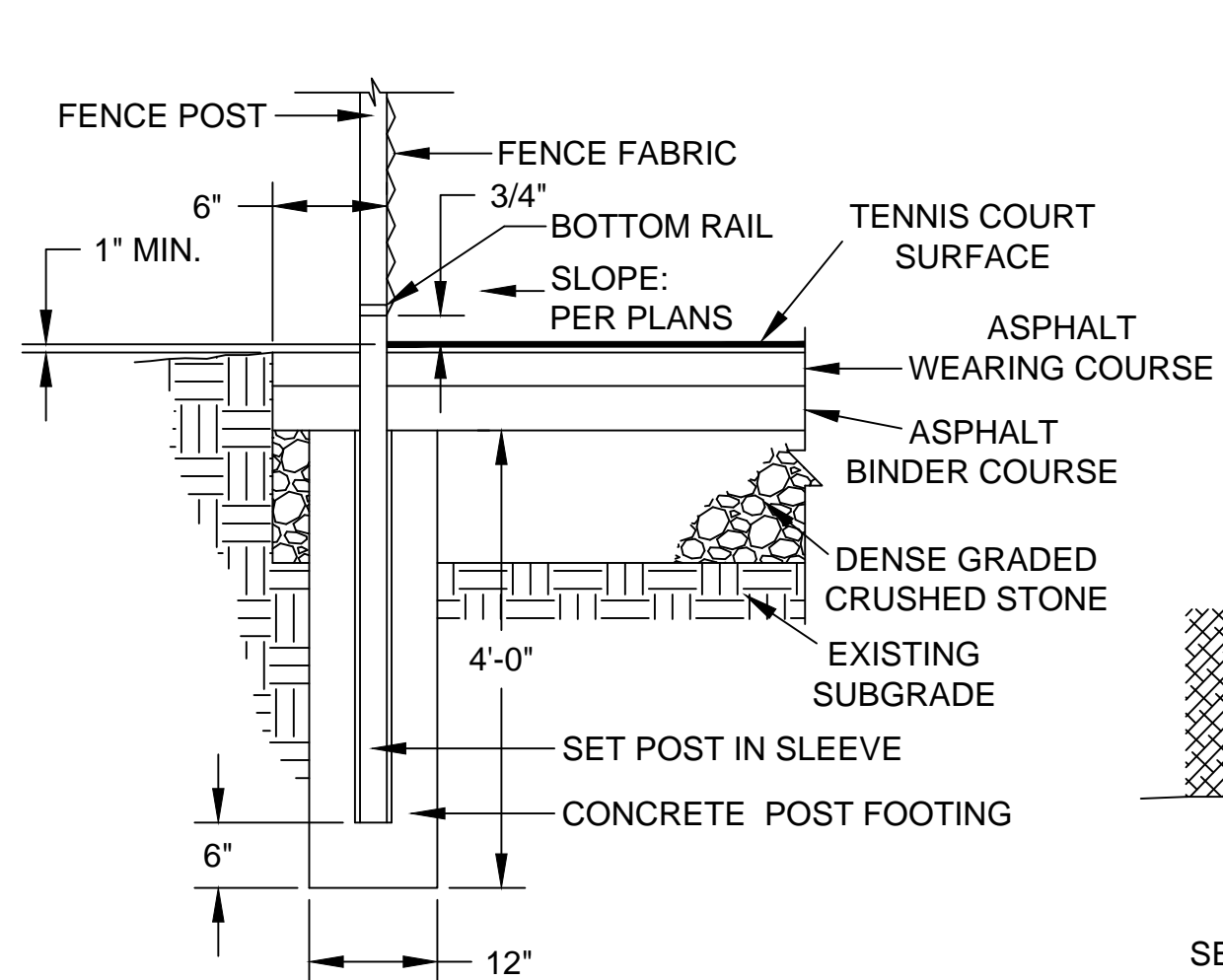
SEGMENTAL BLOCK RETAINING WALL VERSA-LOK (OR APPROVED EQUAL)

NOT TO SCALE:



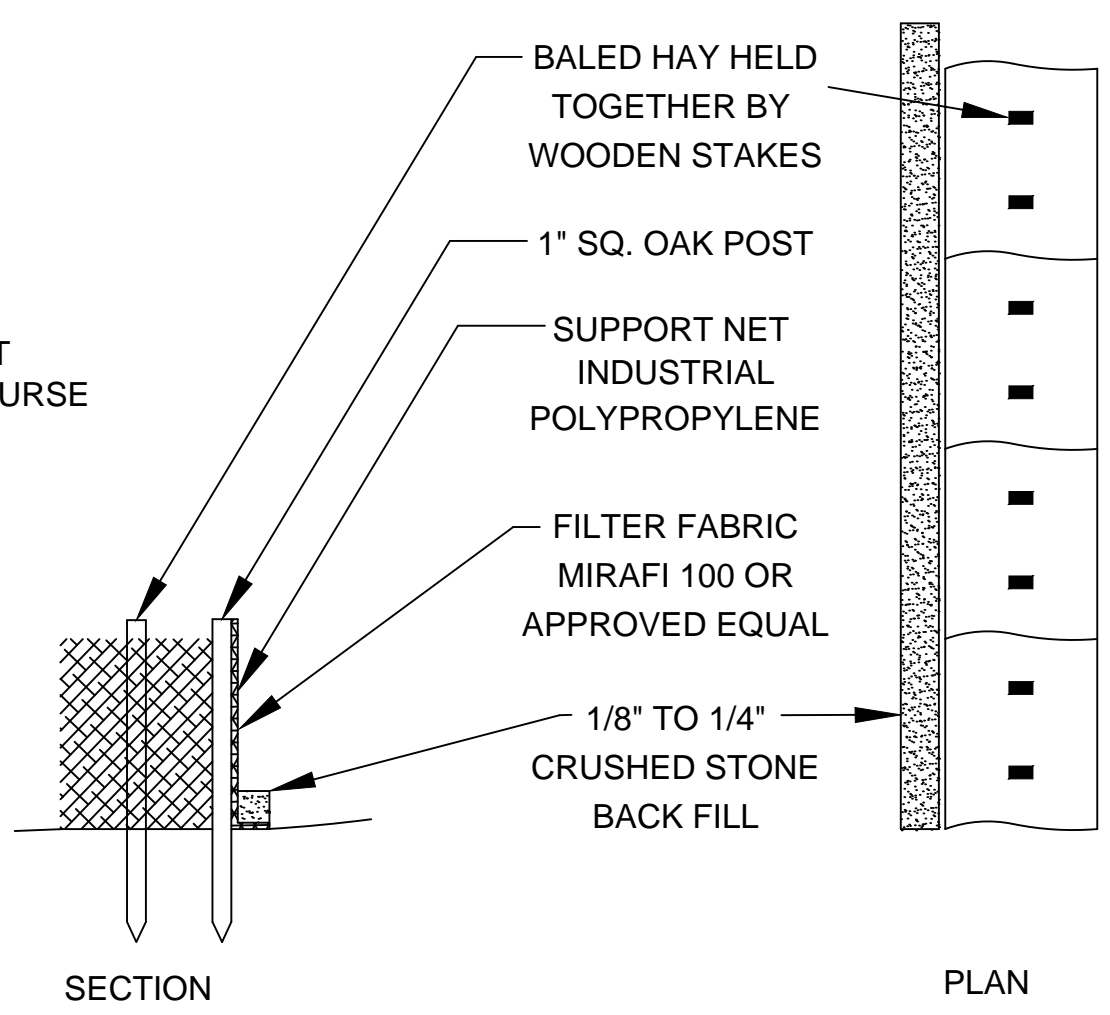
SECTION A-A

NOT TO SCALE:



TENNIS COURT EDGE DETAIL

NOT TO SCALE:



SEDIMENTATION CONTROL FENCE

(SEE MASS. STANDARDS Sec. 767.8)
NOT TO SCALE:

ENGINEERING DEPARTMENT
LONGMEADOW, MASSACHUSETTS

BLINN TENNIS COURTS
RENOVATION DETAILS 3

SCALE: N.T.S. DATE: July 2014

Blinn Tennis Courts.dwg

SHEET 9 of 10

DRAWN BY: C.M. CHECKED BY: Y.L.

- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MASSACHUSETTS ELECTRICAL CODE AND ALL APPLICABLE STATE AND LOCAL CODES AND REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES IN FIELD PRIOR TO INSTALLATION.
- PROVIDE NYLON PULL WIRE IN CONDUITS FOR WIRING BY OTHERS.
- ALL EQUIPMENT GROUNDING SHALL BE BY DIV. 26 CONTRACTOR. GROUNDING CONDUCTOR SIZE SHALL MEET MANUFACTURER REQUIREMENTS.
- VERIFY AND IDENTIFY ALL EXISTING AND NEW CIRCUITING, PROVIDE PRINTED/ TYPED PANELBOARD DIRECTORIES.
- EXISTING SITE CONDITIONS COMPILED FOR INFORMATION ONLY AND ARE NOT WARRANTED TO BE ACCURATE OR COMPLETE. SEE ORIGINAL SURVEY PLANS FOR ACTUAL EXISTING SITE CONDITIONS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ARCHITECT IN WRITING PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AT LEAST 7 DAYS PRIOR TO COMMENCING WORK AND NOTIFY THE ARCHITECT, ALL APPLICABLE MUNICIPAL DEPARTMENTS, PRIVATE UTILITY COMPANIES AND DIG SAFE.
- PERFORM ALL WORK IN A PROPER, SAFE, EXPEDITIOUS AND WORKMANLIKE MANNER IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL LAWS, CODES AND REGULATIONS.
- ALL EXISTING SITE MATERIALS BEING REMOVED FROM NEW CONSTRUCTION NOT BEING REUSED ON SITE TO BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR. EXCESS TOPSOIL TO BE RETURNED TO THE TOWN AT A LOCATION TO BE DETERMINED.
- CLEAN UP SITE ON A DAILY BASIS AND AT THE COMPLETION OF THE PROJECT. LEGALLY DISPOSE OF ALL DEBRIS OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.
- ELECTRICAL CONTRACTOR TO COORDINATE ALL REQUIRED POWER OUTAGES WITH OWNER. TEMPORARY POWER REQUIRED IF SERVICE TO BE DISCONNECTED LONGER THAN 1-HOUR.

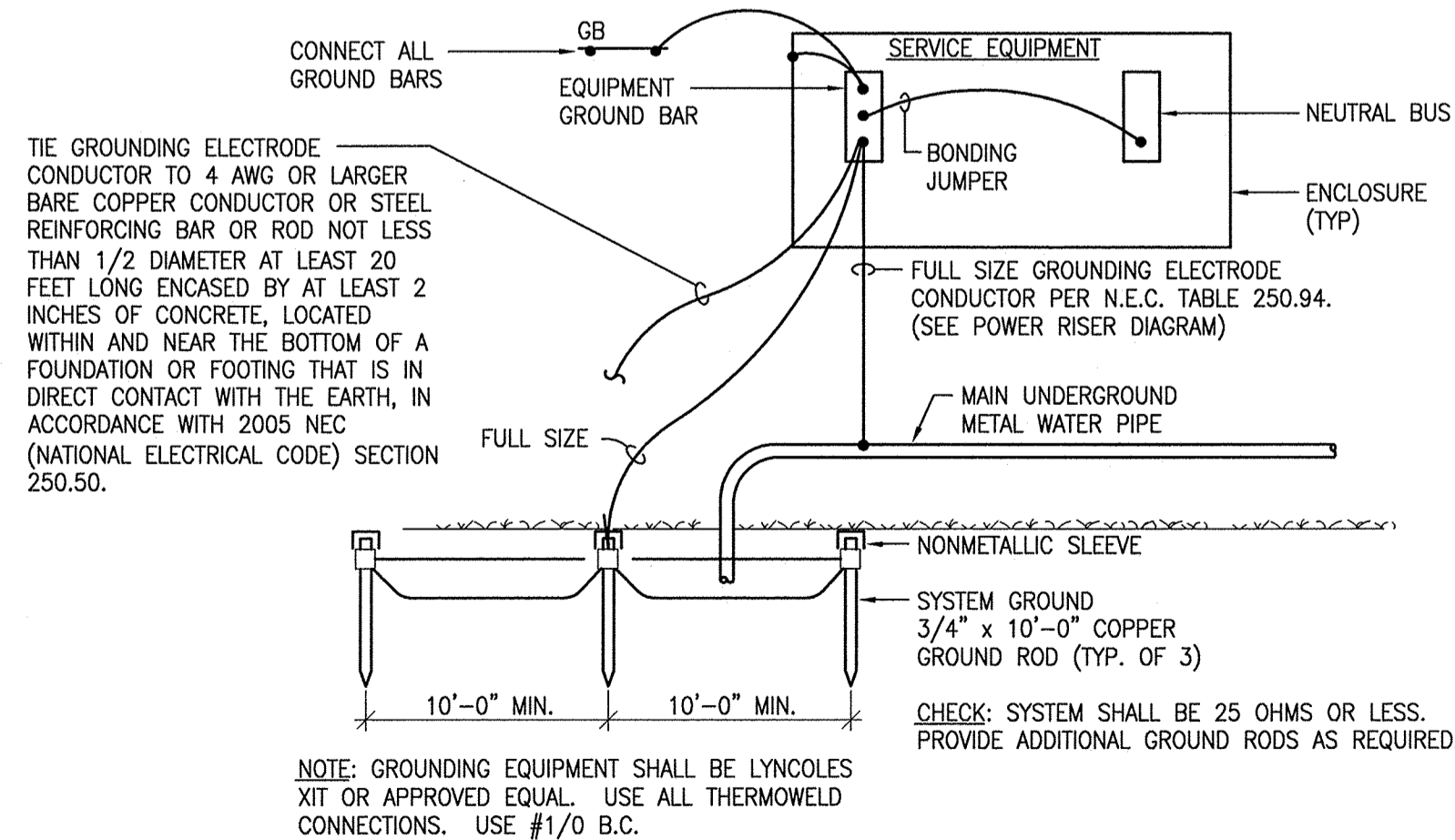
ELECTRICAL GENERAL NOTES
SCALE: NTS

LP		PANEL SCHEDULE (ADD ALT#1)		1 PHASE		3 WIRE		120/ 240		VOLTS-		60 HZ	
Pole No.	DESCRIPTION	A	B	20A/2P	30A/2P	A	B	DESCRIPTION	Pole No.				
1	T2	1500		20A/2P	20A/2P	1500		T1	2				
3	---	1500	1500	---	---	1500	1500	---	4				
5	T3	3000		30A/2P	30A/2P	3000		T4	6				
7	---	3000	3000	---	---	3000	3000	---	8				
9	T6	3000		30A/2P	30A/2P	3000		T5	10				
11	---	3000	3000	---	---	3000	3000	---	12				
13	T7	1500		20A/2P	20A/2P	2000		T8	14				
15	---	1500	1500	---	---	2000	2000	---	16				
17	SPARE			20A/1P	20A/1P	1000		GF/WP RECEPS	18				
19	SPARE			20A/1P	20A/1P			SPARE	20				
21	SPARE							SPACE	22				
23	SPARE							SPACE	24				
		10000	9000			10500	9500						

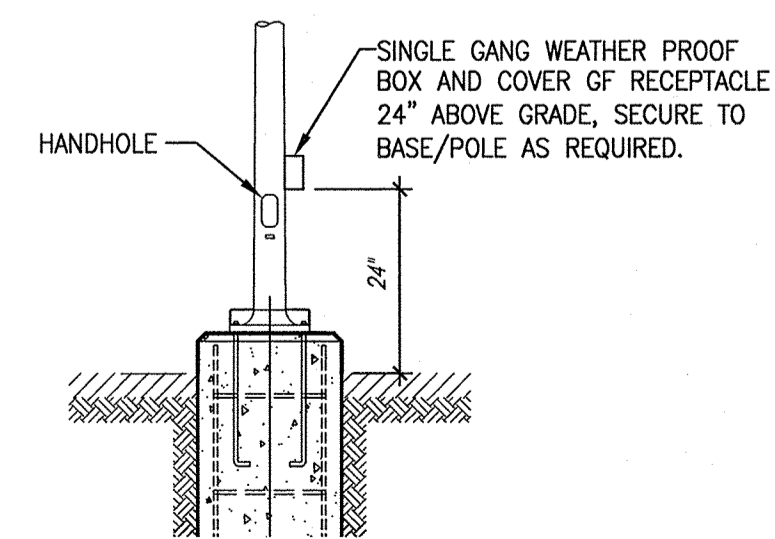
TOTAL WATTS	38000	SIZE MAINS	200A	TYPE	N000
TOTAL AMPS	158	MAIN BKR.	200A MCB	FEEDERS	2" C, 3-#3/0+#6G
LOAD x 60 %	95	LOCATION	FIELD	A.I.C.	22,000
		FED FROM	METER/TX	MOUNTED	GROUND

NOTE: ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL REDUCING CONNECTORS FOR CONDUCTORS TO FIT UNDER 20A/2P AND 30A/2P BREAKERS (TYP)

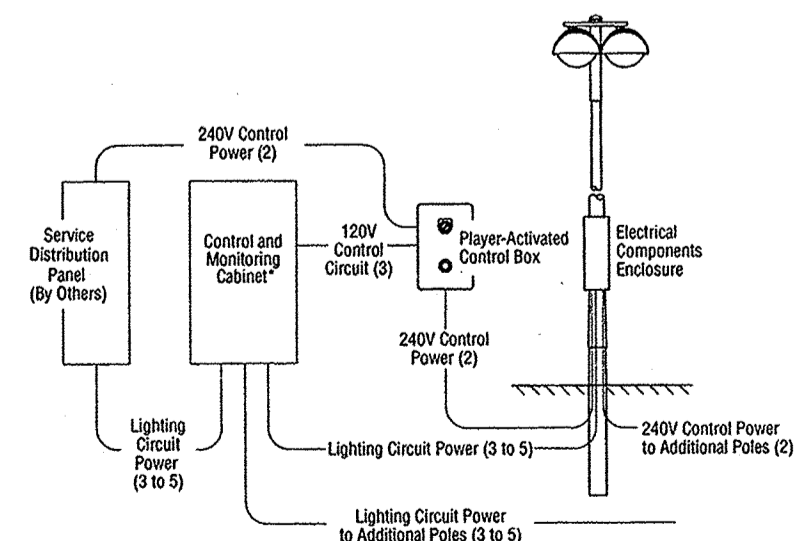
PANELBOARD SCHEDULE
SCALE: NTS



SERVICE ENTRANCE GROUNDING SCHEMATIC
SCALE: NTS



POLE/BASE DUPLEX DETAIL
SCALE: NTS

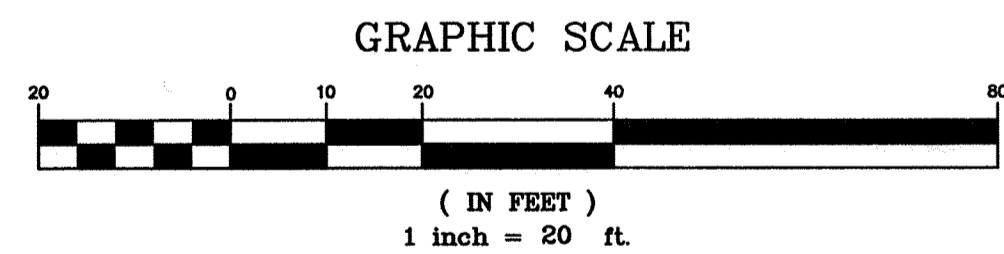
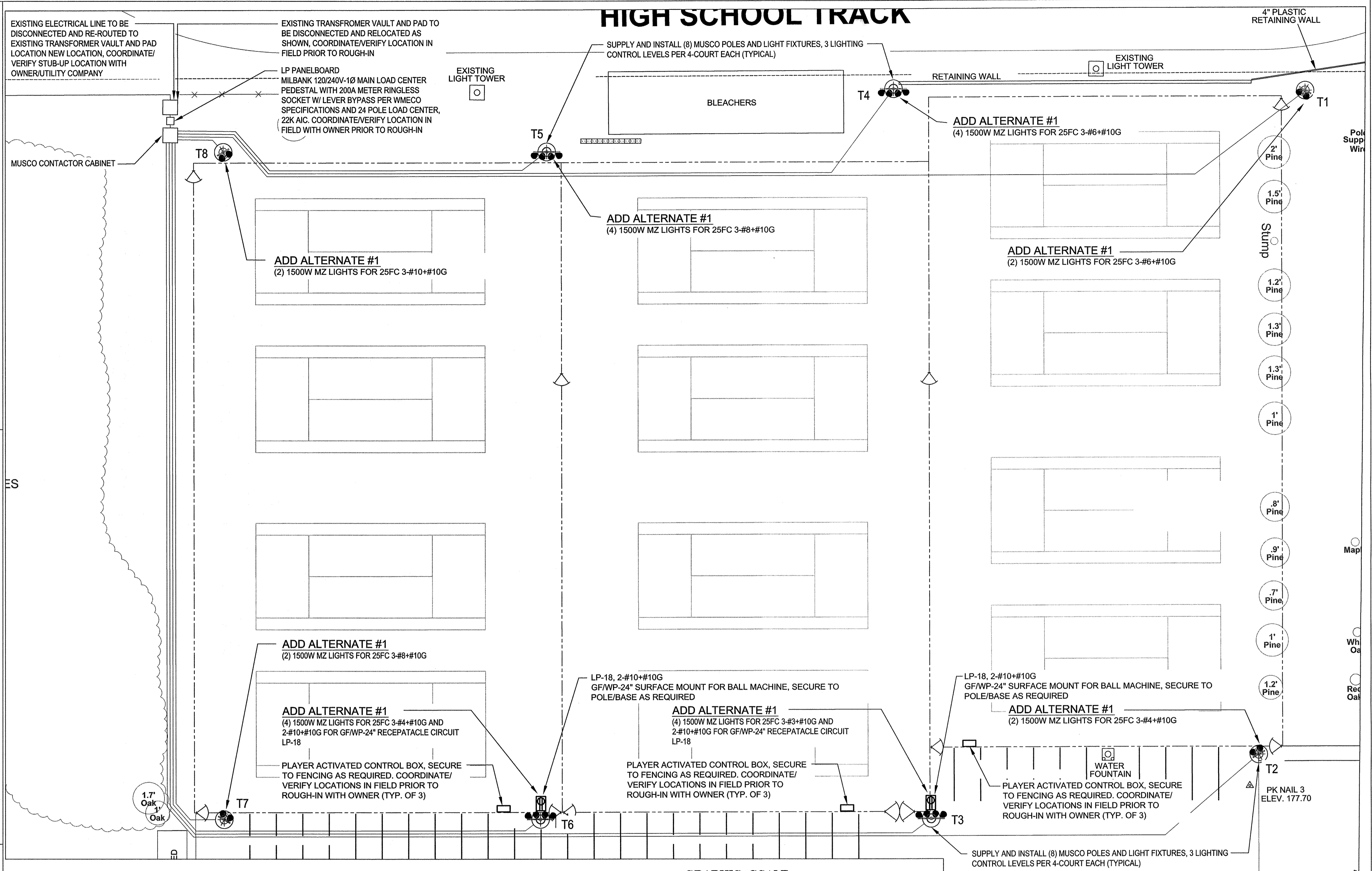


PLAYER-ACTIVATED CONTROL BOX SCHEMATIC
SCALE: NTS



DIG SAFE NOTE:

UTILITIES ARE PLOTTED FROM FIELD LOCATION AND ANY RECORD INFORMATION AVAILABLE, AND SHOULD BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT EVIDENT OR FOR WHICH RECORD INFORMATION WAS NOT AVAILABLE. CONTRACTORS (IN ACCORDANCE WITH MASS.G.L. CHAPTER 82 SECTION 40 AS AMENDED) MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING. ALSO, CALL "DIG-SAFE" AT 1(888)344-7233 (1(888)DIG-SAFE).



BLINN TENNIS COURT PLAN
SCALE: 1"=20'-0"

ENGINEERING DEPARTMENT
LONGMEADOW, MASSACHUSETTS

ADD ALTERNATE
PROPOSED LIGHTING PLAN

SCALE: 1" = 20'
DATE: July 2014
Blinn Tennis Courts.dwg

DRAWN BY: JS CHECKED BY: Y.L.,PTB
SHEET 10 of 10

