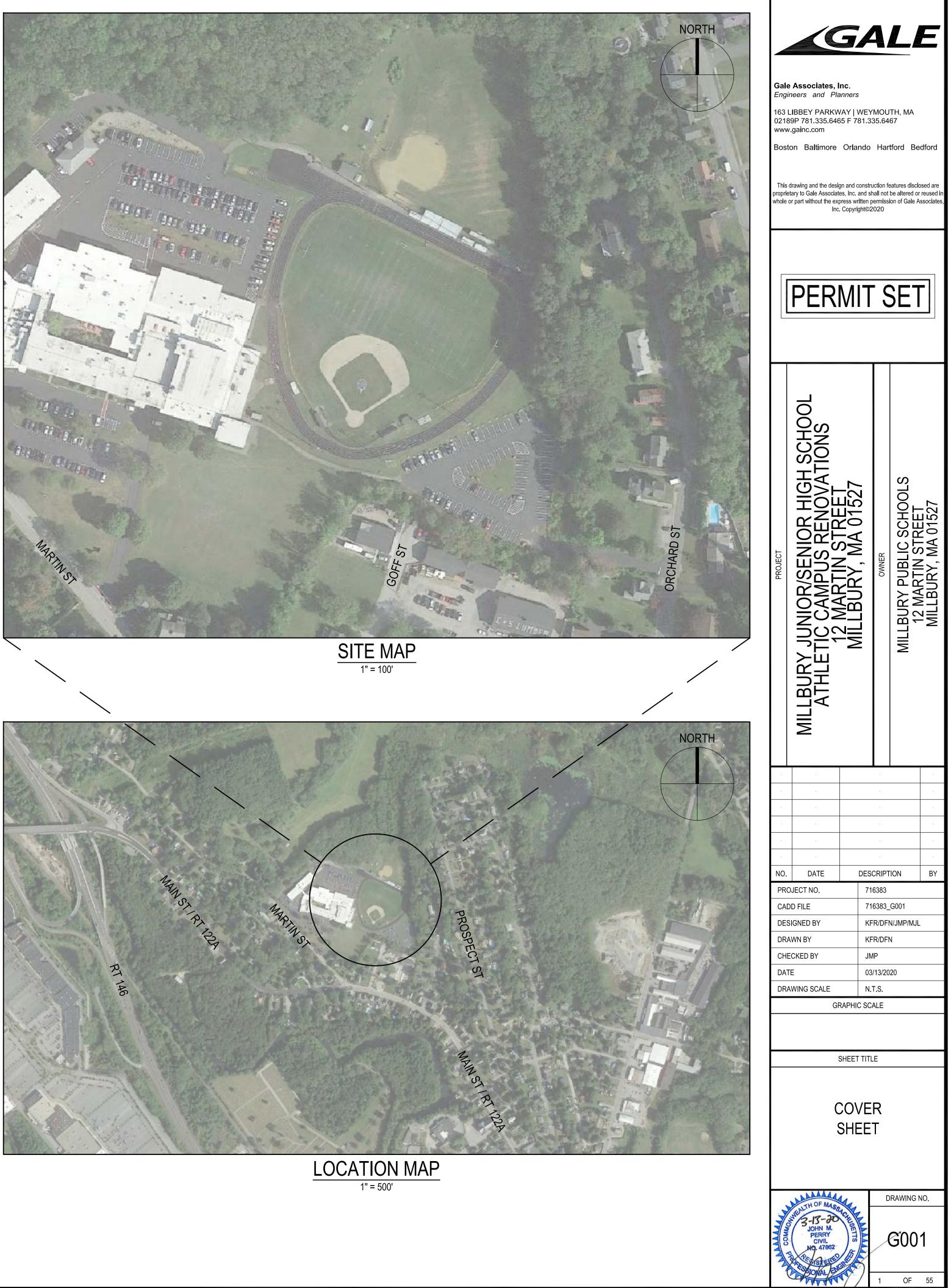
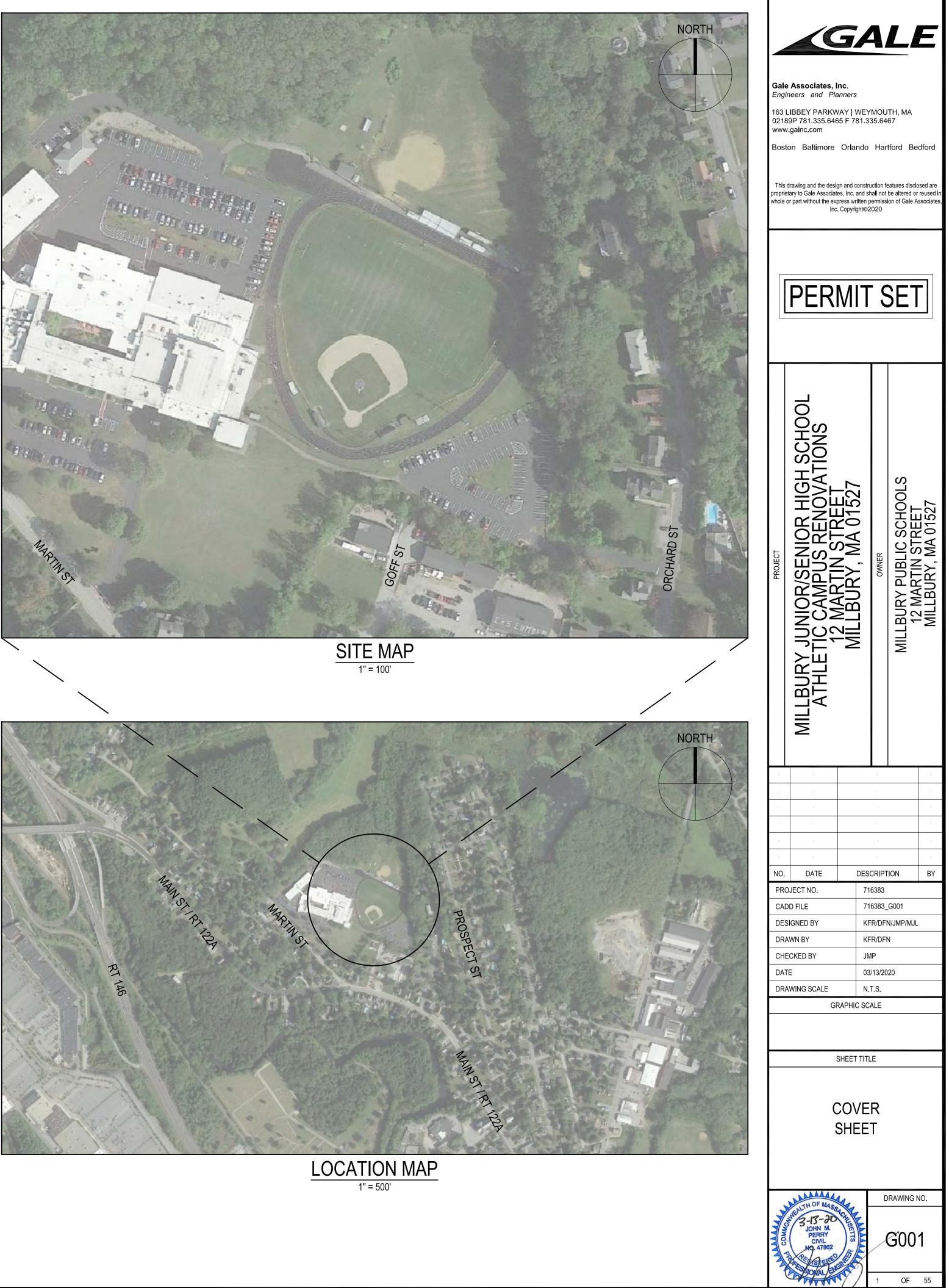
# MILLBURY JUNIOR/SENIOR HIGH SCHOOL ATHLETIC CAMPUS RENOVATIONS **12 MARTIN STREET** MILLBURY, MASSACHUSETTS PREPARED FOR MILLBURY PUBLIC SCHOOLS **12 MARTIN STREET** MILLBURY, MA 01527

D	DRAWING NO	SHEET NO	TITLE	DRAWING NO	SHEET NO	TITLE
	G001	1 OF 55	COVER SHEET	C510	29 OF 55	DETAIL SHEET 10 OF 17
	G002	2 OF 55	GENERAL NOTES SHEET	C511	30 OF 55	DETAIL SHEET 11 OF 17
	XXXX	3 OF 55	PARTIAL PROPERTY SURVEY	C512	31 OF 55	DETAIL SHEET 12 OF 17
	C001	4 OF 55	EXISTING CONDITIONS PLAN SHEET 1 OF 2	C513	32 OF 55	DETAIL SHEET 13 OF 17
	C002	5 OF 55	EXISTING CONDITIONS PLAN SHEET 2 OF 2	C514	33 OF 55	DETAIL SHEET 14 OF 17
	C003	6 OF 55	DEMOLITION AND EROSION CONTROL PLAN SHEET 1 OF 2	C515	34 OF 55	DETAIL SHEET 15 OF 17
	C004	7 OF 55	DEMOLITION AND EROSION CONTROL PLAN SHEET 2 OF 2	C516	35 OF 55	DETAIL SHEET 16 OF 17
	C101	8 OF 55	BASE BID LAYOUT AND MATERIALS PLAN SHEET 1 OF 3	C517	36 OF 55	DETAIL SHEET 17 OF 17
	C102	9 OF 55	BASE BID LAYOUT AND MATERIALS PLAN SHEET 2 OF 3	BL-1	37 OF 55	BLEACHER DETAIL
	C102A	10 OF 55	BASE BID LAYOUT AND MATERIALS PLAN SHEET 3 OF 3	BL-2	38 OF 55	BASE BID BLEACHER DETAIL SHEET 1 OF 2
	C103	11 OF 55	ALTERNATE LAYOUT AND MATERIALS PLAN SHEET 1 OF 1	BL-3	39 OF 55	BASE BID BLEACHER DETAIL SHEET 2 OF 2
	C201	12 OF 55	BASE BID GRADING AND DRAINAGE PLAN SHEET 1 OF 3	BL-4	40 OF 55	ALTERNATE BLEACHER DETAIL SHEET 1 OF 2
	C202	13 OF 55	BASE BID GRADING AND DRAINAGE PLAN SHEET 2 OF 3	BL-5	41 OF 55	ALTERNATE BLEACHER DETAIL SHEET 2 OF 2
-	C202A	14 OF 55	BASE BID GRADING AND DRAINAGE PLAN SHEET 3 OF 3	PB-1	42 OF 55	PRESS BOX DETAIL SHEET 1 OF 4
С	C203	15 OF 55	ALTERNATE GRADING AND DRAINAGE PLAN SHEET 1 OF 1	PB-2	43 OF 55	PRESS BOX DETAIL SHEET 2 OF 4
	C301	16 OF 55	UTILITY PLAN SHEET 1 OF 2	PB-3	44 OF 55	PRESS BOX DETAIL SHEET 3 OF 4
	C301A	17 OF 55	UTILITY PLAN SHEET 2 OF 2	PB-4	45 OF 55	PRESS BOX DETAIL SHEET 4 OF 4
	L101	18 OF 55	LANDSCAPE PLAN SHEET 1 OF 2	EWS	46 OF 55	EXISTING WATERSHED PLAN
	L102	19 OF 55	LANDSCAPE PLAN SHEET 2 OF 2	PWS	47 OF 55	PROPOSED WATERSHED PLAN
	C501	20 OF 55	DETAIL SHEET 1 OF 17	E000	48 OF 55	ELECTRICAL LEGEND
	C502	21 OF 55	DETAIL SHEET 2 OF 17	E001	49 OF 55	POWER AND SYSTEMS SITE PLAN
	C503	22 OF 55	DETAIL SHEET 3 OF 17	E002	50 OF 55	POWER AND SYSTEMS SITE PLAN PARKING
	C504	23 OF 55	DETAIL SHEET 4 OF 17	E201	51 OF 55	ELECTRICAL SPORTS LIGHTING DETAILS
	C505	24 OF 55	DETAIL SHEET 5 OF 17	E202	52 OF 55	ELECTRICAL DETAILS
	C506	25 OF 55	DETAIL SHEET 6 OF 17	E300	53 OF 55	ELECTRICAL SCHEDULES
	C507	26 OF 55	DETAIL SHEET 7 OF 17	A101	54 OF 55	FLOOR PLAN
	C508	27 OF 55	DETAIL SHEET 8 OF 17	A201	55 OF 55	<b>ELEVATIONS &amp; ENLARGED ELEVATION</b>
	C509	28 OF 55	DETAIL SHEET 9 OF 17			

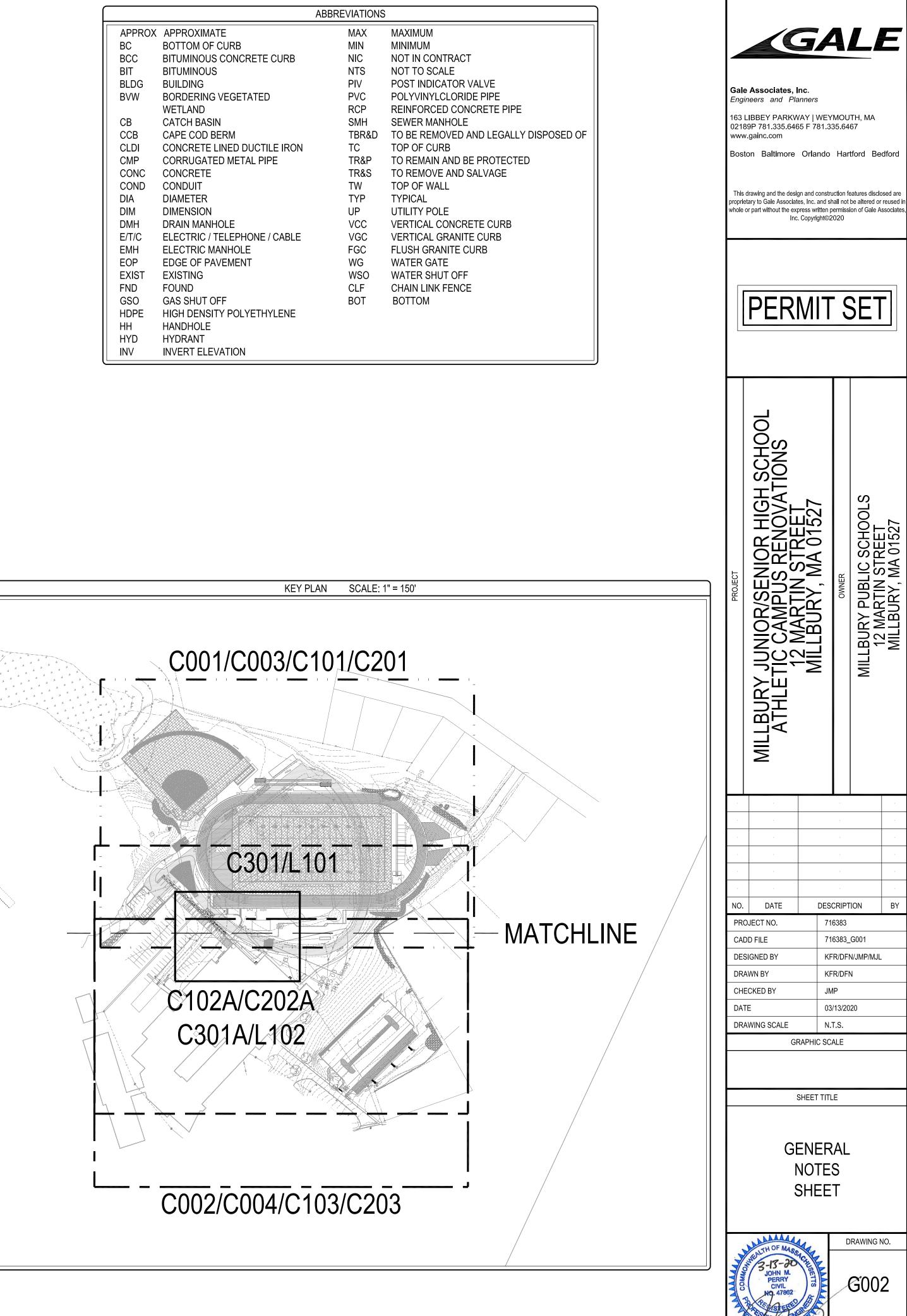
## PLANNING BOARD





_		1	2		3 4
		DEMOLITION NOTES			GENERAL NOTES
	1.	DEMOLITION TO COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHOR			THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS HAVE BEEN
	2.	THE OWNER MAY OCCUPY PORTIONS OF THE BUILDING IMMEDIATELY ADJACENT AREAS. CONDUCT SELECTIVE DEMOLITION SO THAT OWNERS'S OPERATIONS WI NOT LESS THAN 72 HOURS NOTICE TO OWNER OF ACTIVITIES (IF ANY) THAT MAY	LL NOT BE DISRUPTED. PROVIDE	A	ROVIDED ON THE EXISTING CONDITIONS PLANS. ANY ADDITIONAL CONTROL POINTS SHALL BE ESTABLISHED ND MAINTAINED BY THE CONTRACTOR. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, AND CITY STANDARDS, THE CONTRACTOR IS
E	3.	SURVEY THE CONDITION OF THE SITE TO DETERMINE WHETHER REMOVING ANY UNDESIRABLE DAMAGE OF ANY PORTION OF ADJACENT FACILITIES DURING SELE	ELEMENT MIGHT RESULT IN CONTRACTIVE DEMOLITION.	R . B	RESPONSIBLE FOR OBTAINING A COPY OF THE CITY STANDARDS AND REGULATIONS FOR USE ON THIS PROJECT. BARRICADING, TRAFFIC CONTROL, AND PROJECT SIGNS SHALL CONFORM TO ALL STATE, LOCAL REGULATIONS. AREA ADJACENT TO THE PROJECT SITE WILL BE IN USE DURING CONSTRUCTION AT VARIOUS TIMES. THE
	4. 5.	MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT T SELECTIVE DEMOLITION OPERATIONS. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM		C Fl	CONTRACTOR WILL PROVIDE ADEQUATE CONSTRUCTION FENCING DURING EACH PHASE OF THE PROJECT TO TULLY SECURE THE PROPOSED SITE SUBJECT TO OWNER APPROVAL. THE FENCING MAY NEED ADJUSTMENT AT ARIOUS TIMES WITHOUT CONTRACT MODIFICATION.
	6.	PARKING LOTS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED F CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMA FACILITIES, AND SITE IMPROVEMENTS TO REMAIN. ENSURE SAFE PASSAGE OF P	AGE TO ADJACENT BUILDINGS,	IN	THE GENERAL CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS NCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE IOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
	7.	DEMOLITION AREA. USE WATER MIST AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUS GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS.		R	THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND/OR CONNECTION FEES REQUIRED.
	8.	REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE (AREAS.		T C	GENERAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AS APPLICABLE INCLUDING BUT NOT LIMITED TO ELECTRICAL, LIGHTING, PLUMBING, AND GAS. THE CONTRACTOR ACKNOWLEDGES THAT ANOTHER CONTRACTOR WILL BE A UNDER A SEPARATE CONTRACT. THE CONTRACTOR WILL COORDINATE HIS EFFORTS IN GOOD FAITH, AND WORK IN HARMONY WITH THE OTHER CONTRACTOR. NO EXTRA WILL BE AWARDED DUE TO
	9.	CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBR DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING DEMOLITION.		C . S	CONFLICTS BETWEEN CONTRACTORS. SUBSTITUTIONS AND APPROVAL OF "OR-EQUAL" PRODUCTS IN PLACE OF THOSE SPECIFIED WILL NOT BE
D	10.	DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUI AS INDICATED. CONTRACTOR TO BE RESPONSIBLE FOR ANY CUTTING AND PATC PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED	CHING THAT IS REQUIRED.		ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER OR ENGINEER. ALL DISTURBED AREAS SHALL RECEIVE 6 INCHES (6") OF LOAM AND SEED UNLESS OTHERWISE NOTED.
		ON-SITE.			GENERAL UTILITY NOTES
		DO NOT BURN DEMOLISHED MATERIALS. TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND LEGALLY D	ISPOSE OF THEM, IF NOT	AN	E CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES ID STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORD PLANS AND WHERE POSSIBLE,
	14.	DESIGNATED TO BE SALVAGED BY THE OWNER OR REUSED. IN AREAS WHERE BITUMINOUS CONCRETE IS TO BE REMOVED, THE EDGE OF AN' REMAIN MUST BE A CLEAN SAW-CUT EDGE.	Y BITUMINOUS CONCRETE TO	CO BY	ASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR MPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
		EROSION CONTROL NOTES	] 2.	AU	E CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING THORITY, AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD CATION OF UTILITIES.
	1.	THE CONTRACTOR SHALL PREPARE A S.W.P.P.P. AND FILE A NPDES CONSTRUCT REQUIRED BY THE EPA AT LEAST 14 DAYS PRIOR TO GROUNDBREAKING. NPDES KEPT ON SITE FOR REVIEW AT ALL TIMES FOR THE DURATION OF CONSTRUCTION	PERMIT AND PLANS SHALL BE	CO	E ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED INSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE EXISTING UTILITIES IICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.
	2.	ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCT REGULATIONS AND ALL TOWN REGULATIONS AND PERMIT CONDITIONS. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR		-'EX NEC	ENCH EXCAVATIONS SHALL BE IN ACCORDANCE WITH ALL PROVISIONS OF OSHA PART 1926, SUBPART P XCAVATIONS, TRENCHES AND SHORING OF THE OCCUPATIONAL SAFETY AND HEALTH'S STANDARDS AND CESSARY TRENCH SAFETY PLANS TO THE ENGINEER AND CITY FOR REVIEW PRIOR TO COMMENCING
с	4.	SITE WORK OR EARTHWORK OPERATIONS, AND SHALL BE MAINTAINED THROUGH STOCKPILES SHALL BE SURROUNDED ON THEIR PERIMETERS WITH STAKED SILT AND/OR CONTROL SILTATION AND EROSION. OTHERWISE SPOIL MATERIAL SHALL	ATION FENCES TO PREVENT	. All	NSTRUCTION. L DRAIN, WATER AND SANITARY SEWER PIPES INSTALLED WITHIN 10 FEET OF THE BUILDING (BY OTHERS) MUST PERMITTED AND INSTALLED BY A MASSACHUSETTS LICENSED PLUMBER.
	5.	THE SITE AND DISPOSED OF LEGALLY AND IN CONFORMANCE TO ALL TOWN REG ALL EROSION CONTROL MEASURES SHALL BE ROUTINELY INSPECTED, CLEANED NECESSARY THROUGHOUT ALL PHASES OF CONSTRUCTION. IN ADDITION, INSPE	AND REPAIRED OR REPLACED AS	. THE	INTRACTOR SHALL VERIFY ALL EXISTING INVERTS AND RIM ELEVATIONS PRIOR TO CONSTRUCTION. E CONTRACTOR SHALL ADJUST ALL UTILITY CASTINGS TO BE FLUSH WITH PROPOSED GRADE UNLESS HERWISE INDICATED ON PLAN.
	6.	EACH RAINFALL EVENT AND BEFORE FORECASTED RAIN. ALL SEDIMENTS MUST BE REMOVED PRIOR TO REACHING THE EXISTING DRAINAGENVIRONMENTAL RESOURCE AREAS.	GE SYSTEMS AND/OR ANY	SEF	E CONTRACTOR SHALL FIELD COORDINATE WITH THE ELECTRICAL ENGINEER TO DETERMINE EXACT POINT OF RVICE CONNECTION. REFER TO THE SITE ELECTRICAL DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, ZES, AND CIRCUITING.
	7.	THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES EXTRA SILTATION FENCING DIRECTION OF THE ENGINEER OR THE OWNER TO MITIGATE ANY EMERGENCY CO	ONDITION.	. CO	NTRACTOR SHALL PURGE LIFTING HOLES ON ALL CONCRETE STRUCTURES.
_	8.	THE AREA OR AREAS OF ENTRANCE AND EXIT TO AND FROM THE SITE SHALL BE WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT. ALL SEDIMENT SPI TRACKED OUTSIDE OF CONSTRUCTION AREA MUST BE REMOVED IMMEDIATELY.		VE	L SEWER AND WATER SERVICES SHALL BE SEPARATED BY 10 FEET (10') HORIZONTALLY AND 1.5 FEET (1.5') RTICALLY WITH SEWER BEING LOWE THAN WATER. IF THESE SEPARATIONS ARE UNAVOIDABLE, BOTH SEWER ID WATER SHALL BE CLDI WITH MECHANICAL JOINTS AT THE CROSSING AND WITHIN 10 FEET ON EACH SIDE.
	9.	EROSION CONTROL DEVICES MAY BE ADDED OR REDUCED IN THE FIELD AS DIRE			LANDSCAPING NOTES
	10.	THE CONTRACTOR IS RESPONSIBLE FOR REESTABLISHING ANY EROSION CONTR THE CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER OF ANY DEFICIENCIES CONTROL MEASURES WHICH MAY LEAD TO UNAUTHORIZED DISCHARGE OR STO	IN THE ESTABLISHED EROSION		L PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE. L PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED.
		SEDIMENTATION OR OTHER POLLUTANTS. UNAUTHORIZED POLLUTANTS INCLUDI	E, BUT ARE NOT LIMITED TO, 3.	. All	L TREES MUST BE STRAIGHT-TRUNKED AND FULL-HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
В		EXCESS CONCRETE DUMPING OR CONCRETE RESIDUE, POINTS, SOLVENTS, GRE PESTICIDES, AND SOLID WASTE MATERIALS.	ASES, FOEL AND LOBE OIL, 4.		L PLANTS ARE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE BEFORE, DURING, AND AFTER STALLATION.
		GRADING NOTES	5.	. All	L TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
	1.	ALL GRADING SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISAB BUILDING AND ACCESSIBILITY CODES. IN GENERAL, GRADING OF SIDEWALKS SH/ SLOPE AND 5.0% RUNNING SLOPE, GRADING OF ADA PARKING STALLS AND LOAD 2.0% IN ANY DIRECTION AND GRADING OF PLAZA AND GATHERING AREAS SHALL	ALL NOT EXCEED 2.0% CROSS 7. ING ZONES SHALL NOT EXCEED NOT EXCEED 2.0% IN ANY	. PRI UTI RES	L PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED. IOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND ILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS SPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC.
		DIRECTION. GRADING ON SIDEWALK CURB RAMPS AND OTHER ACCESSIBLE RAM AREAS SHALL PROVIDE POSITIVE DRAINAGE AS TO NOT POOL WATER, MINIMUM OTHERWISE NOTED.	SLOPES SHALL BE 1.0% UNLESS 8.	. The Wa	HICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION. E CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING BUT NOT LIMITED TO: ATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) OF THE PLANTING AREAS AND LAWN UNTIL THE WORK IS
	2.	ALL PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS A BE USED IN THE EVENT OF ANY DISCREPANCIES. GRADING SHALL BE PERFORMED TO ALLOW WATER TO FLOW AWAY FROM BUILD	9.	. THE	CEPTED IN TOTAL BY THE OWNER. E CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR GINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL
	4.	ALLOW PUDDLING OF WATER ANYWHERE ON SITE. MINOR ADJUSTMENTS TO FINISH GRADE TO ACCOMPLISH DRAINAGE FLOW ARE A UPON PRIOR APPROVAL OF ENGINEER.	ACCEPTABLE, IF NECESSARY,	0. AF	PLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD. TER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS DER A MIST SYSTEM PRIOR TO INSTALLATION.
	5.	NEW PAVEMENT SHALL BE FLUSH AT ANY JUNCTURE WITH EXISTING PAVEMENT.			IY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE
A	6.	ALL EXCAVATIONS SHOULD BE STABILIZED BY CUTTING BACK SIDE SLOPES OR U REQUIRED. ALL EXCAVATION AND SHORING SHALL BE DONE IN ACCORDANCE WI		WC QU,	DRK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, IANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
	7.	CH. 149 SECT. 129A. ANY DEWATERING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DISCH/ "DIRTY" WATER INTO DRAINAGE SYSTEM OR ANY BODY OF WATER, WETLAND OR		SPE	ANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE ECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
		PERMITTED.	RESOURCE AREA SHALL NOT BE		L SHRUB, GROUND COVER AND SEASONAL COLOR ANNUAL PLANTING BEDS ARE TO BE COMPLETELY COVERED TH HARDWOOD MULCH TO A MINIMUM DEPTH OF FOUR INCHES.

L		
I	APPROX	APPROXIMATE
I	BC	BOTTOM OF CURB
I	BCC	<b>BITUMINOUS CONCRETE CUR</b>
I	BIT	BITUMINOUS
I	BLDG	BUILDING
I	BVW	BORDERING VEGETATED
I		WETLAND
I	CB	CATCH BASIN
I	CCB	CAPE COD BERM
I	-	CONCRETE LINED DUCTILE IR
I	CMP	CORRUGATED METAL PIPE
I		CONCRETE
I		CONDUIT
I	DIA	DIAMETER
I	DIM	DIMENSION
I		DRAIN MANHOLE
I		ELECTRIC / TELEPHONE / CAB
I		ELECTRIC MANHOLE
I	EOP	EDGE OF PAVEMENT
I		EXISTING
I		FOUND
I	GSO	GAS SHUT OFF
I		HIGH DENSITY POLYETHYLEN
I	HH	HANDHOLE
I	HYD	HYDRANT
I	INV	INVERT ELEVATION

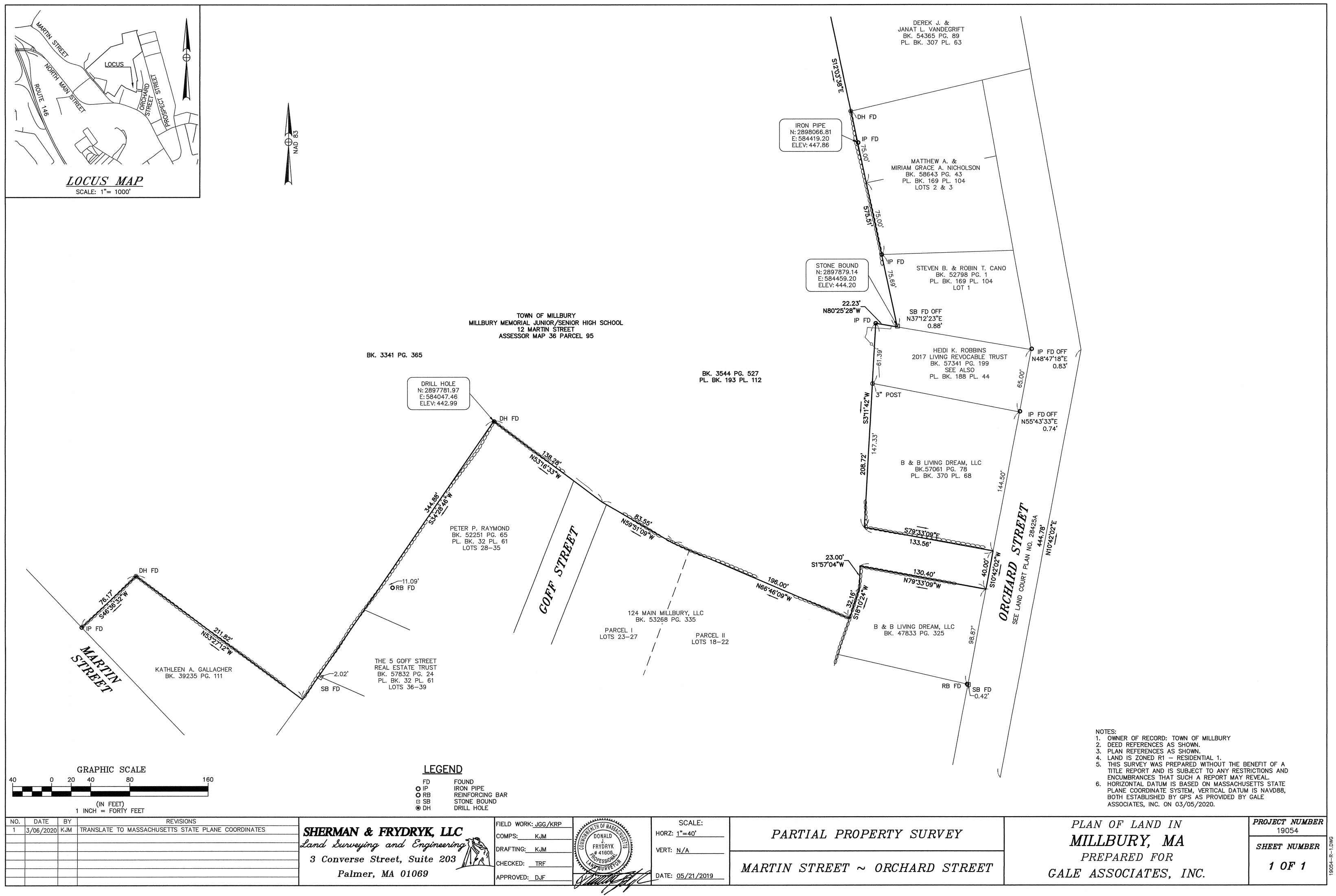


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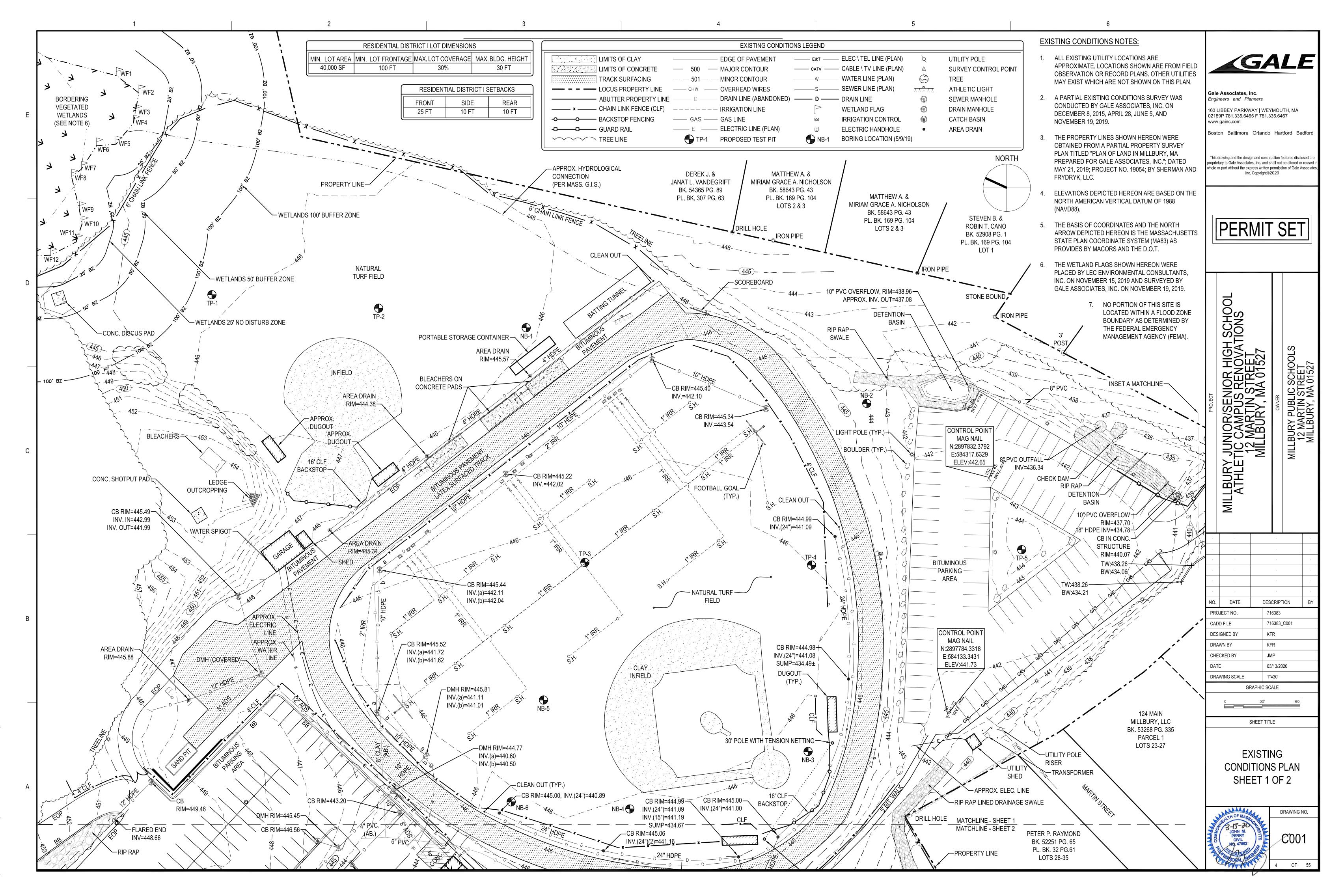
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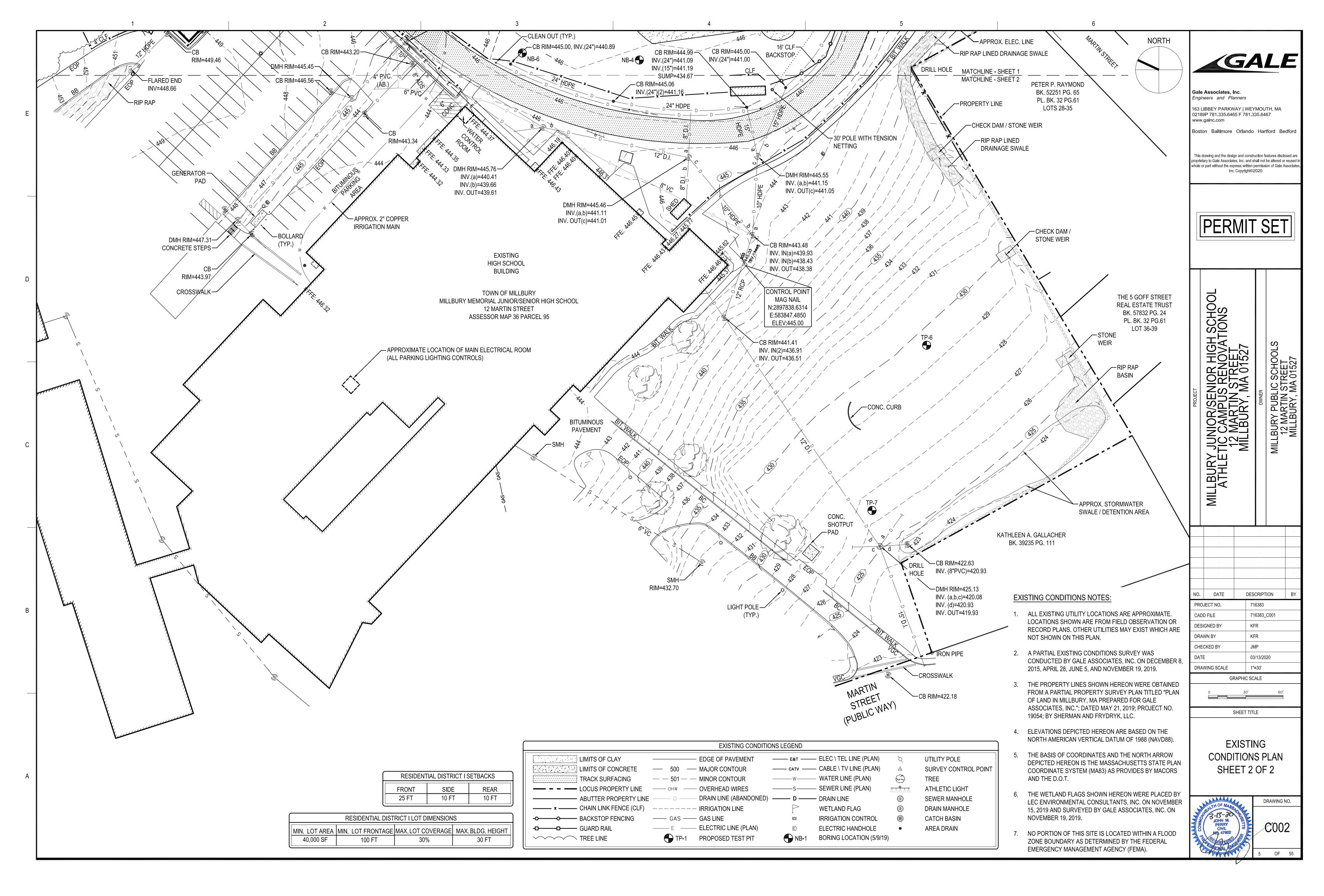


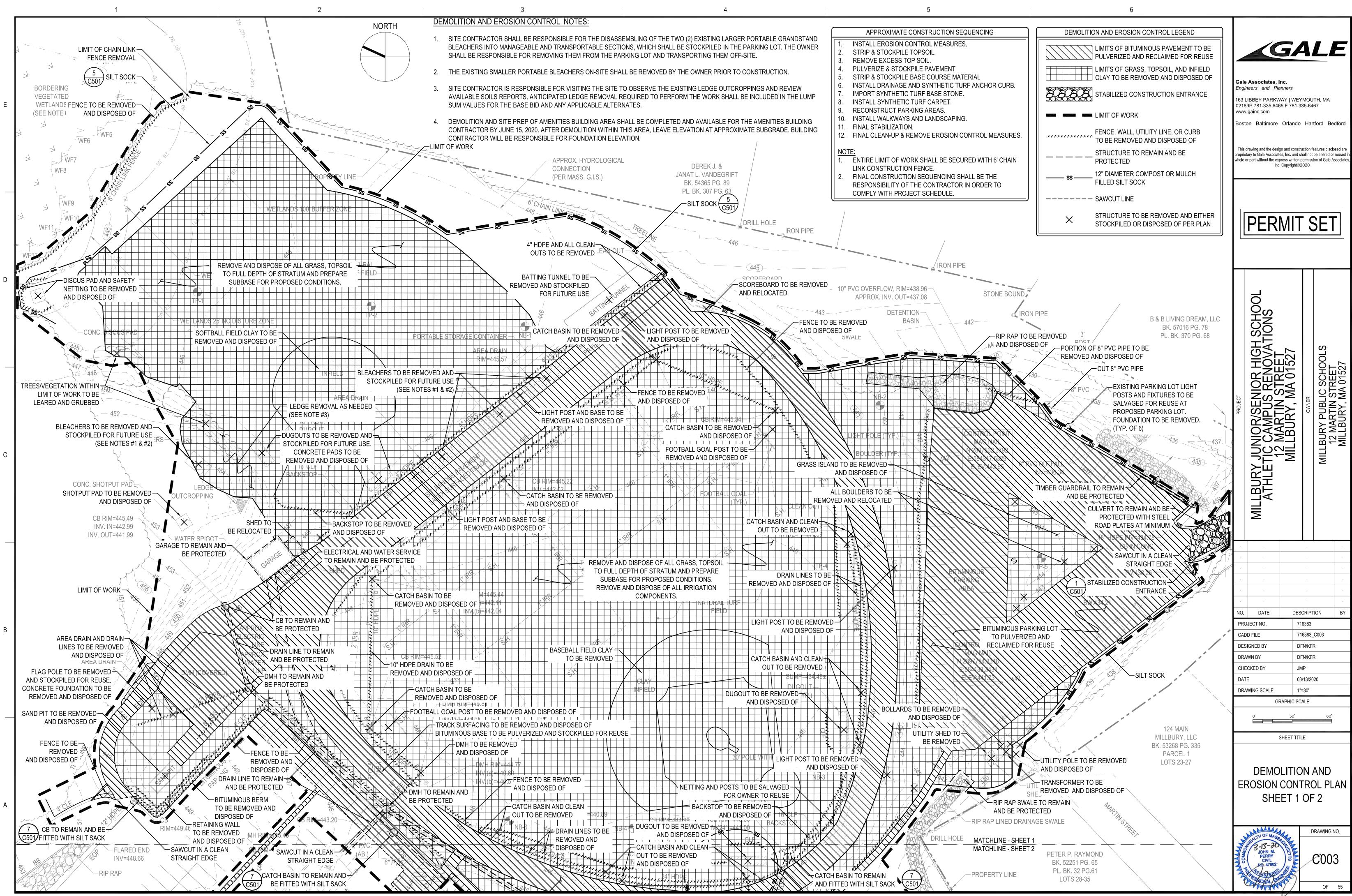


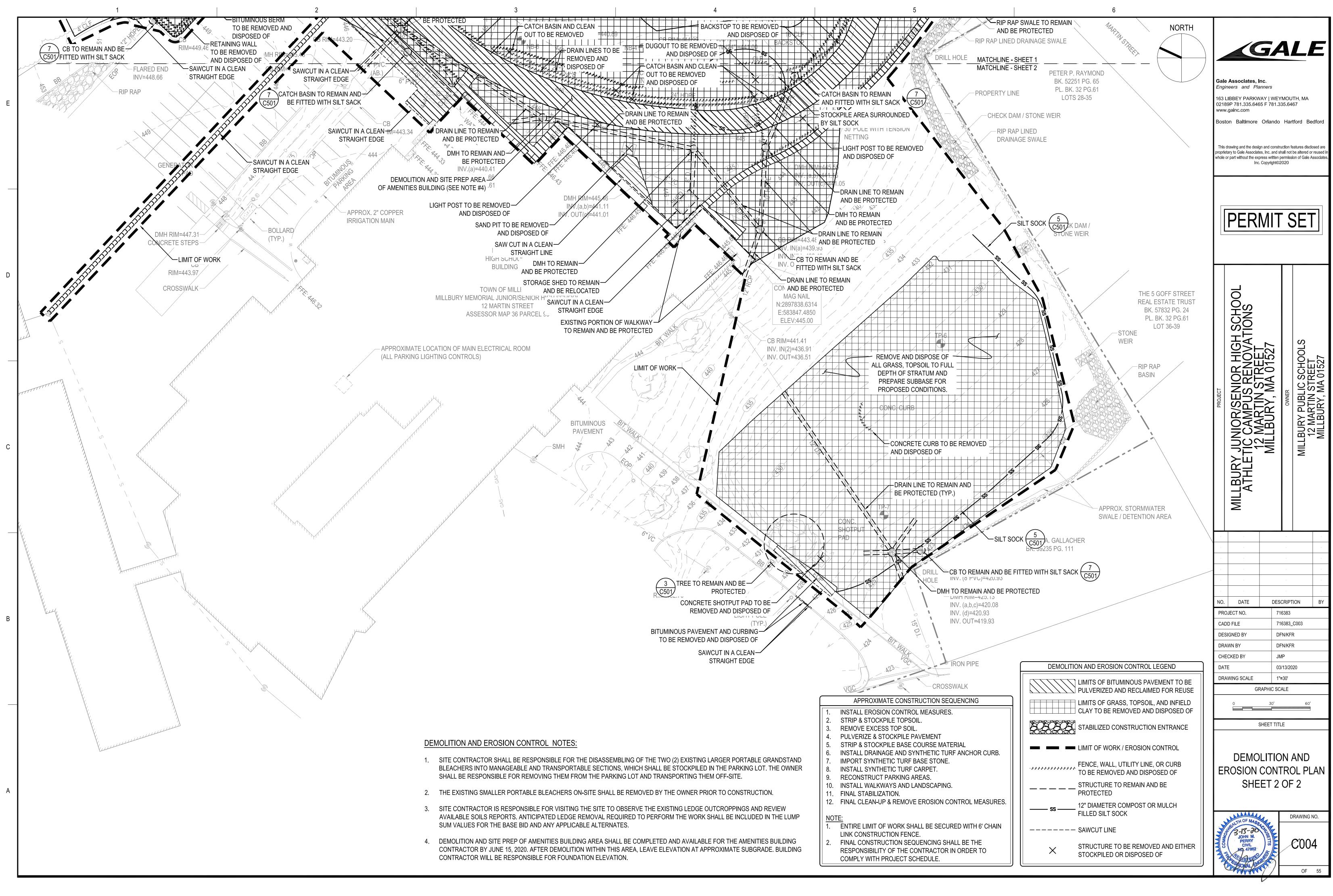


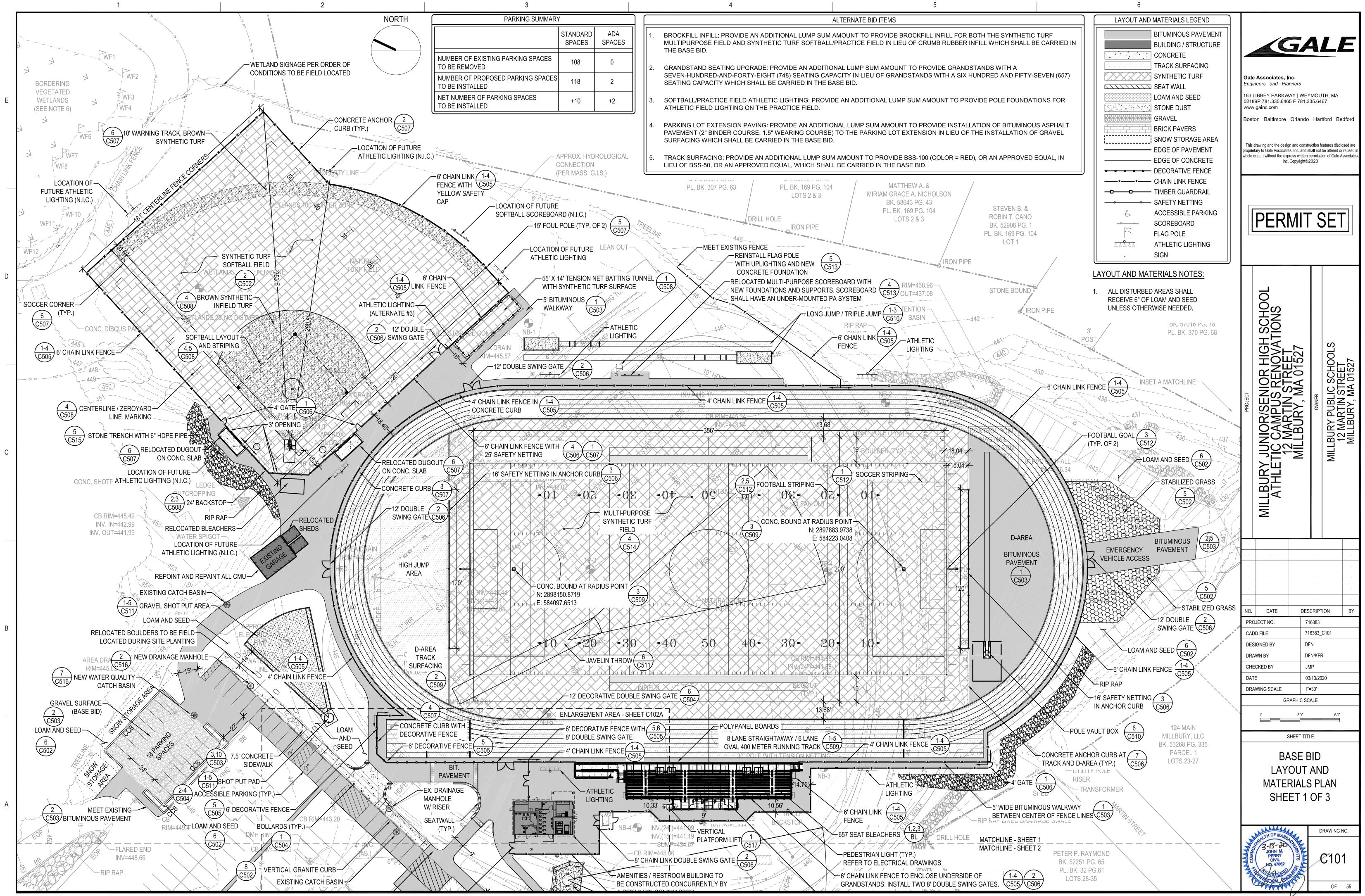
FIELD WORK: JGG/KRP	Here TH OF MAG	SCALE:	
COMPS: KJM	JUDONALD CHE	HORZ: <u>1"=40'</u>	PARTIAL PROPERTY SUR
DRAFTING: KJM	FRYDRYK	VERT: N/A	
CHECKED: <u>TRF</u>	THE SHEVE OF		MARTIN STREET ~ ORCHARD
APPROVED: DJF	Minine A/C	DATE: <u>05/21/2019</u>	
	COMPS: <u>KJM</u> DRAFTING: <u>KJM</u> CHECKED: <u>TRF</u>	COMPS: KJM DRAFTING: KJM CHECKED: TRF	COMPS:     KJM       DRAFTING:     KJM       CHECKED:     TRF

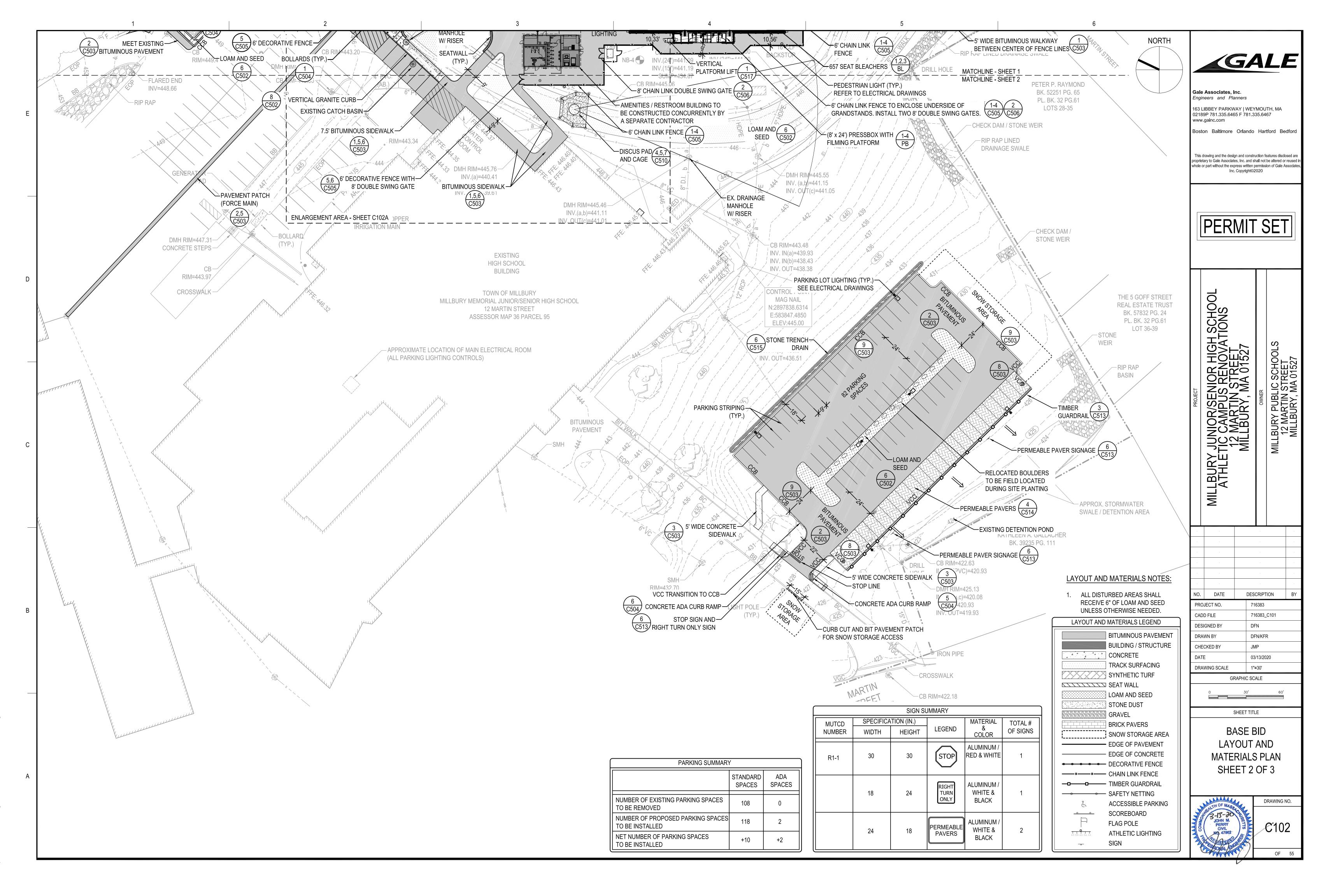


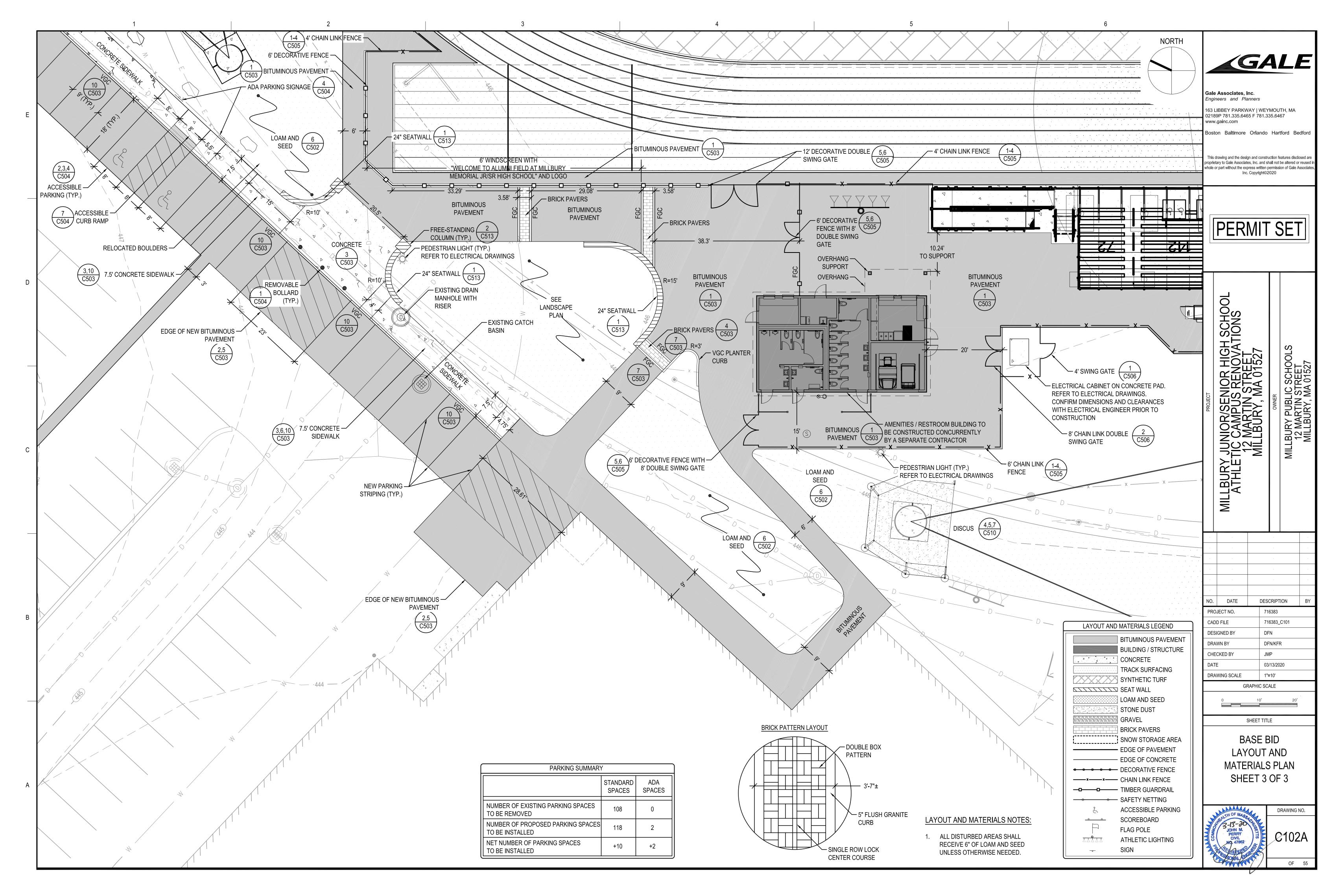


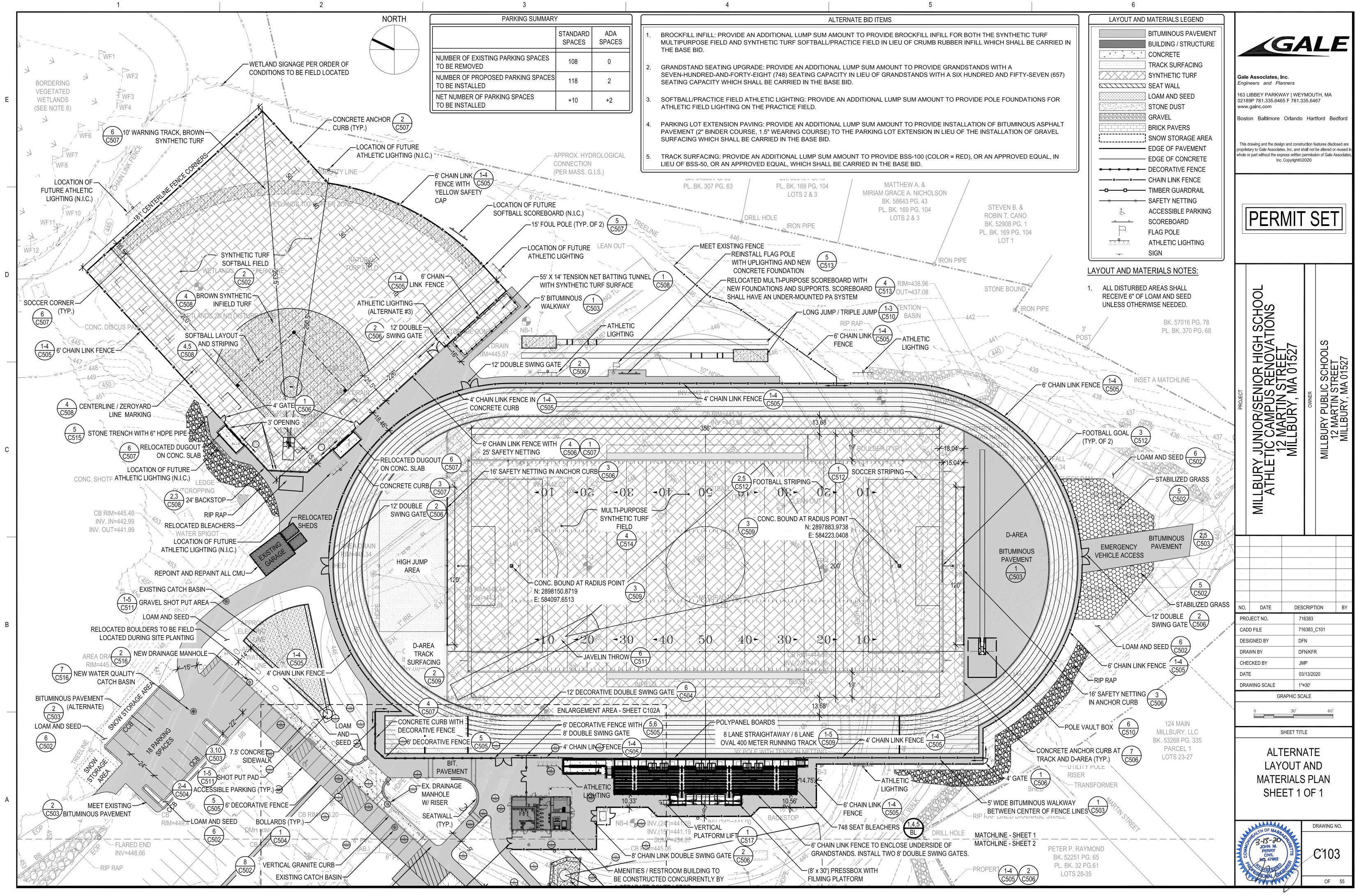


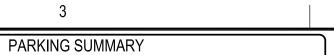


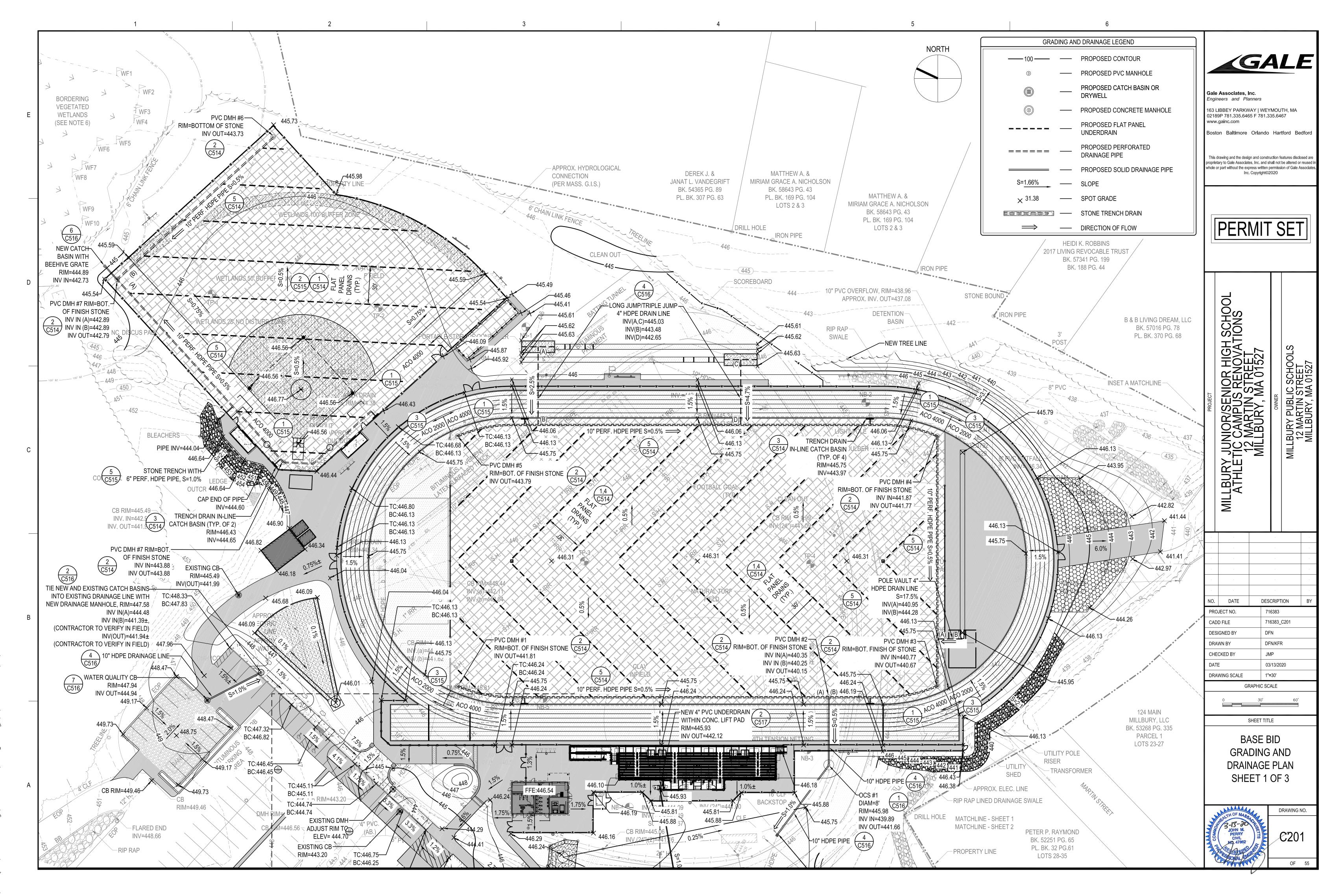


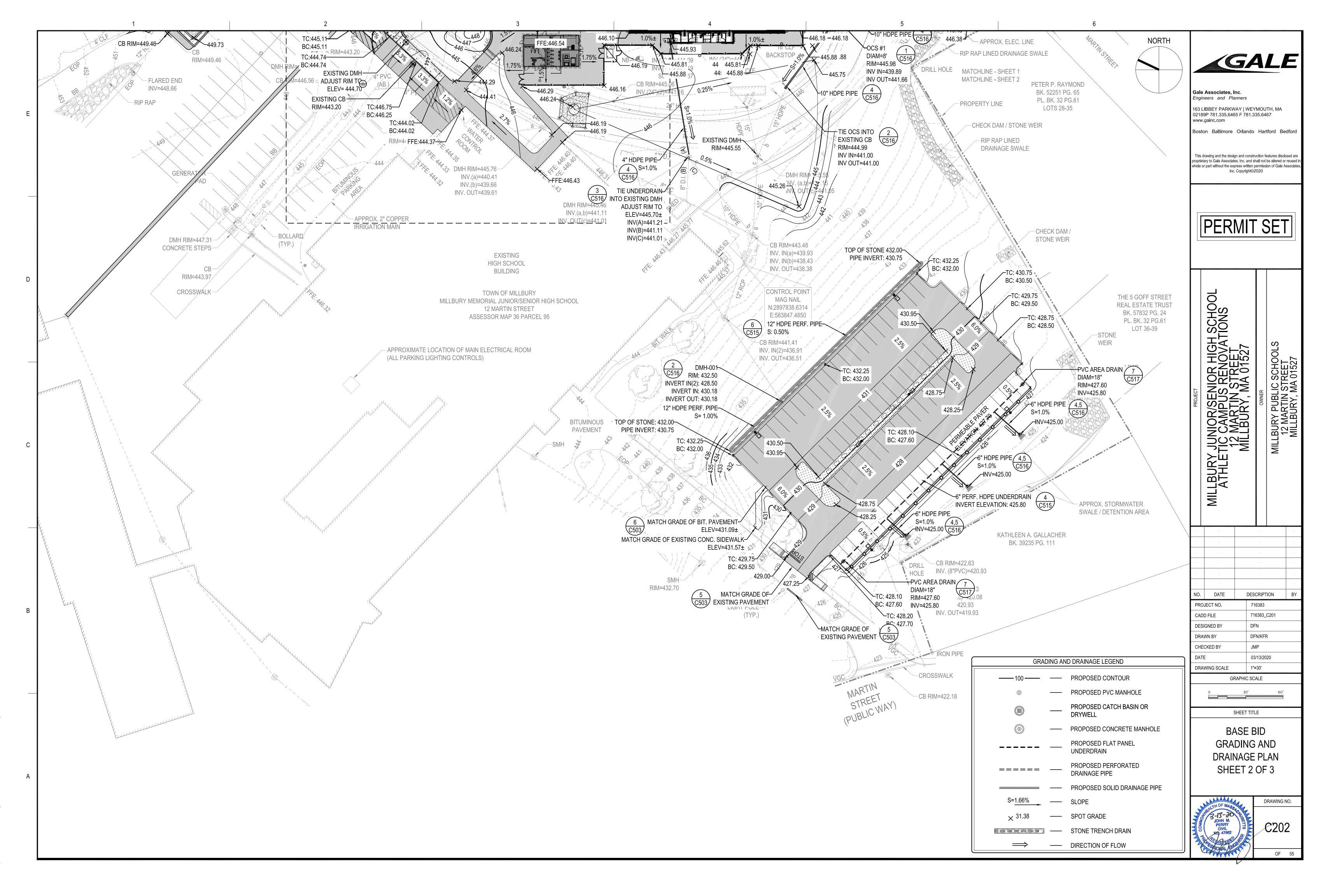


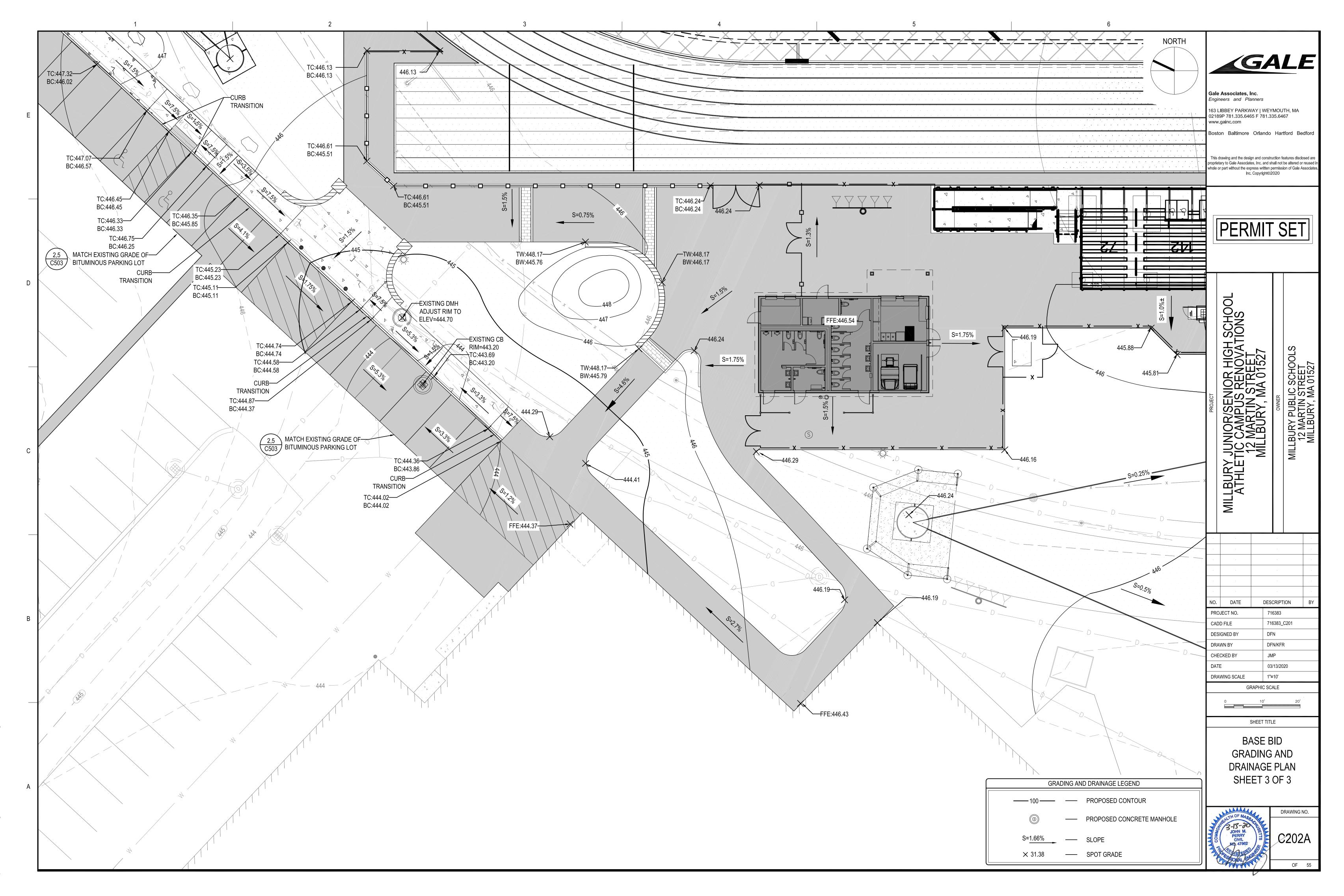


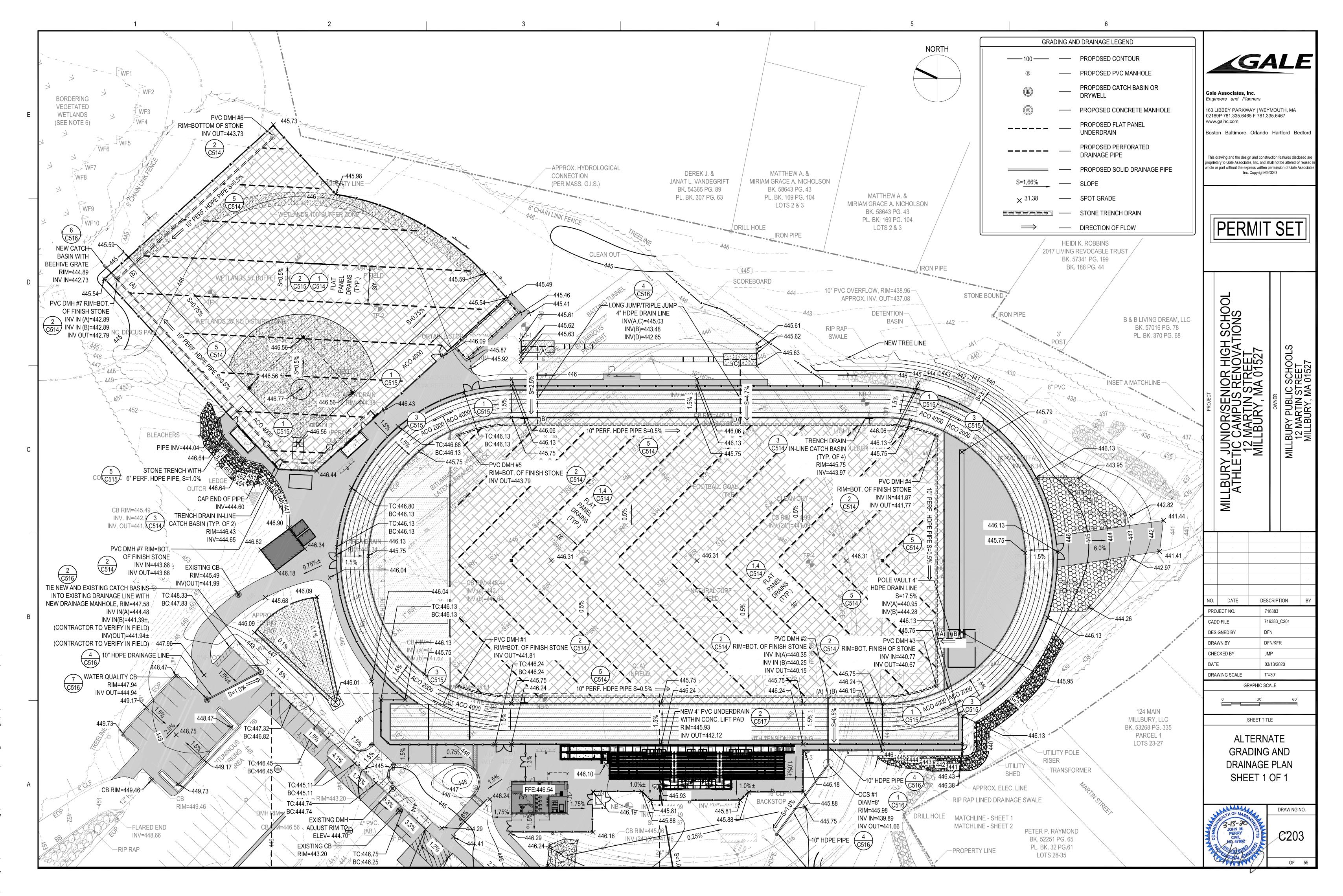


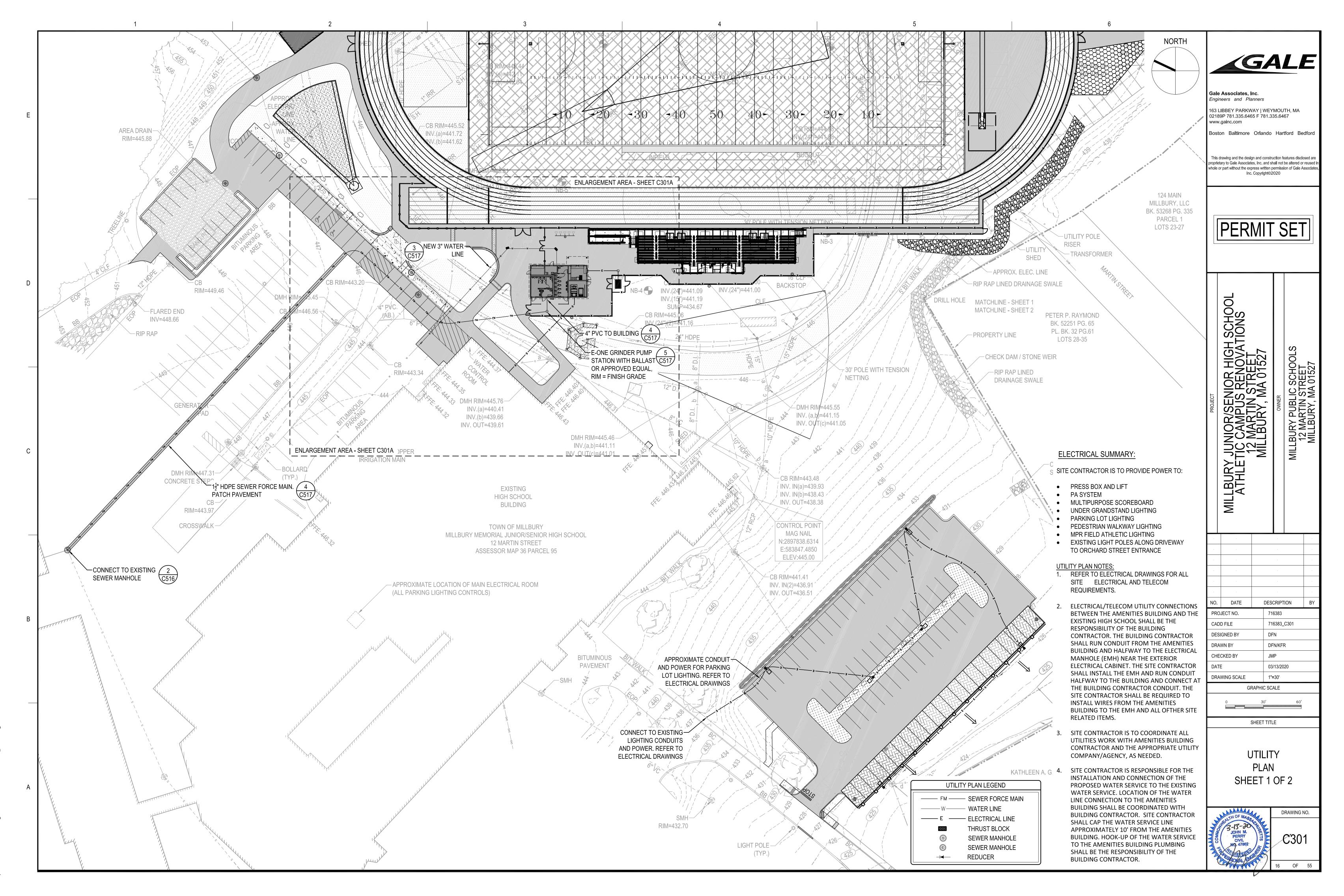


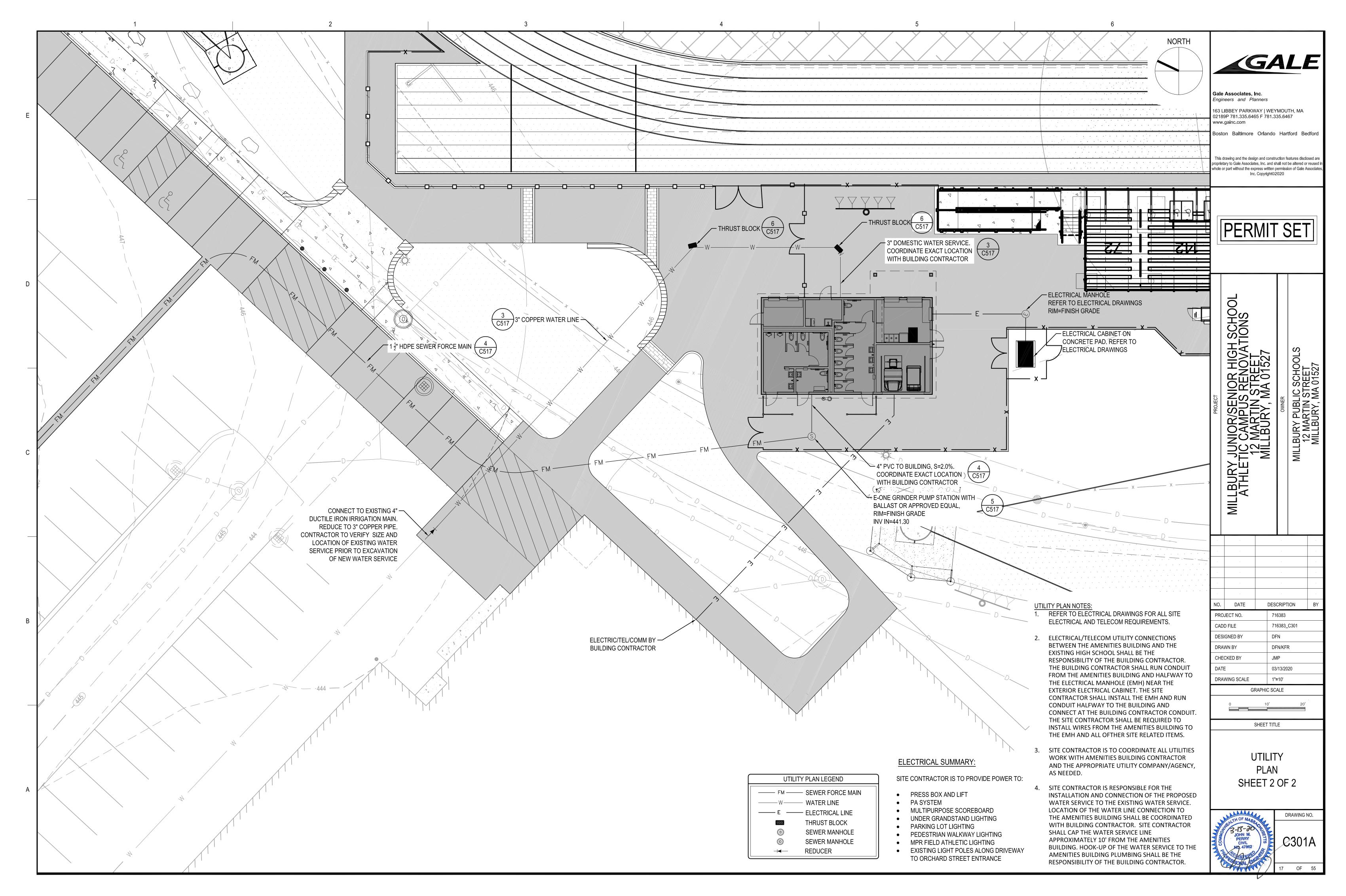


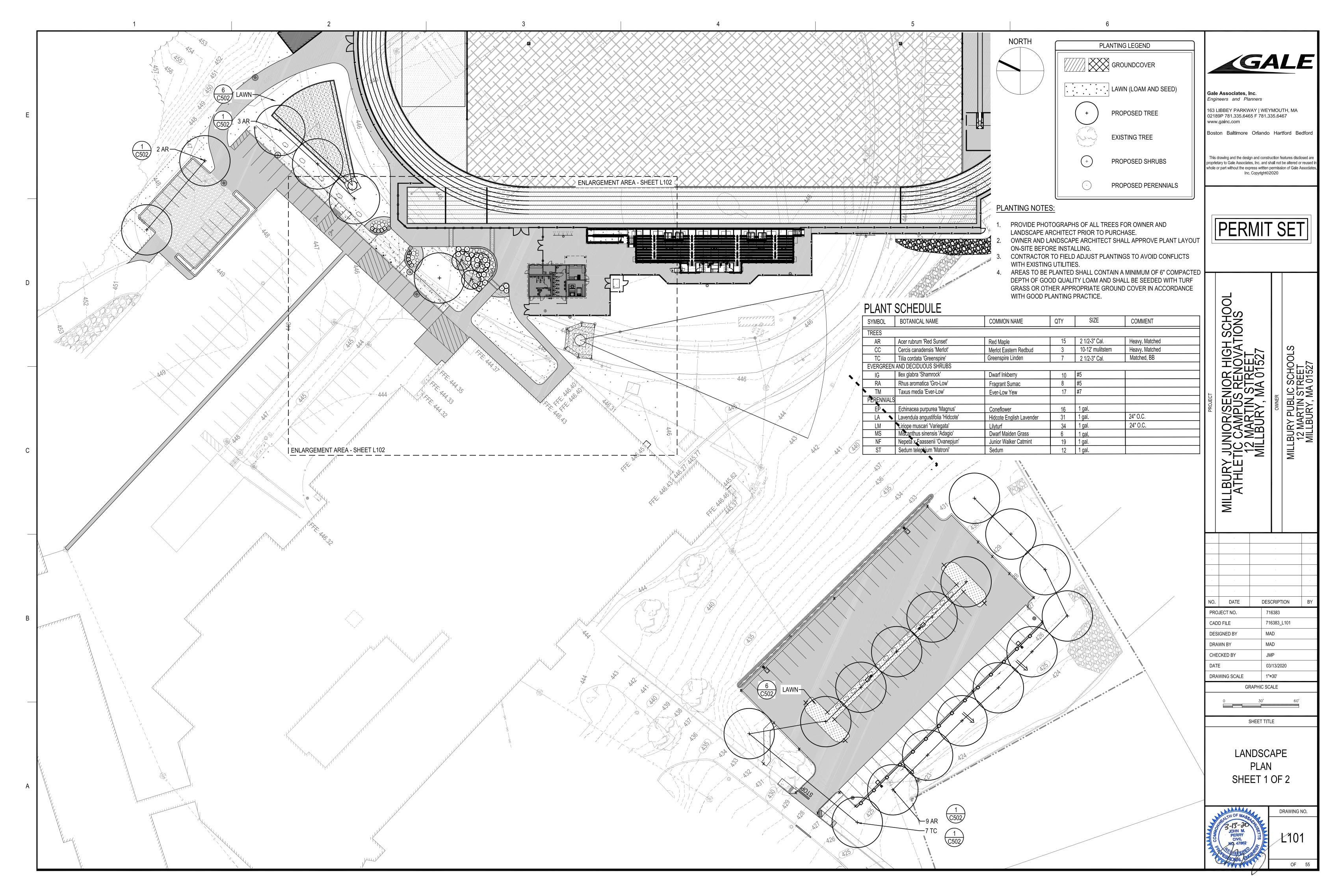


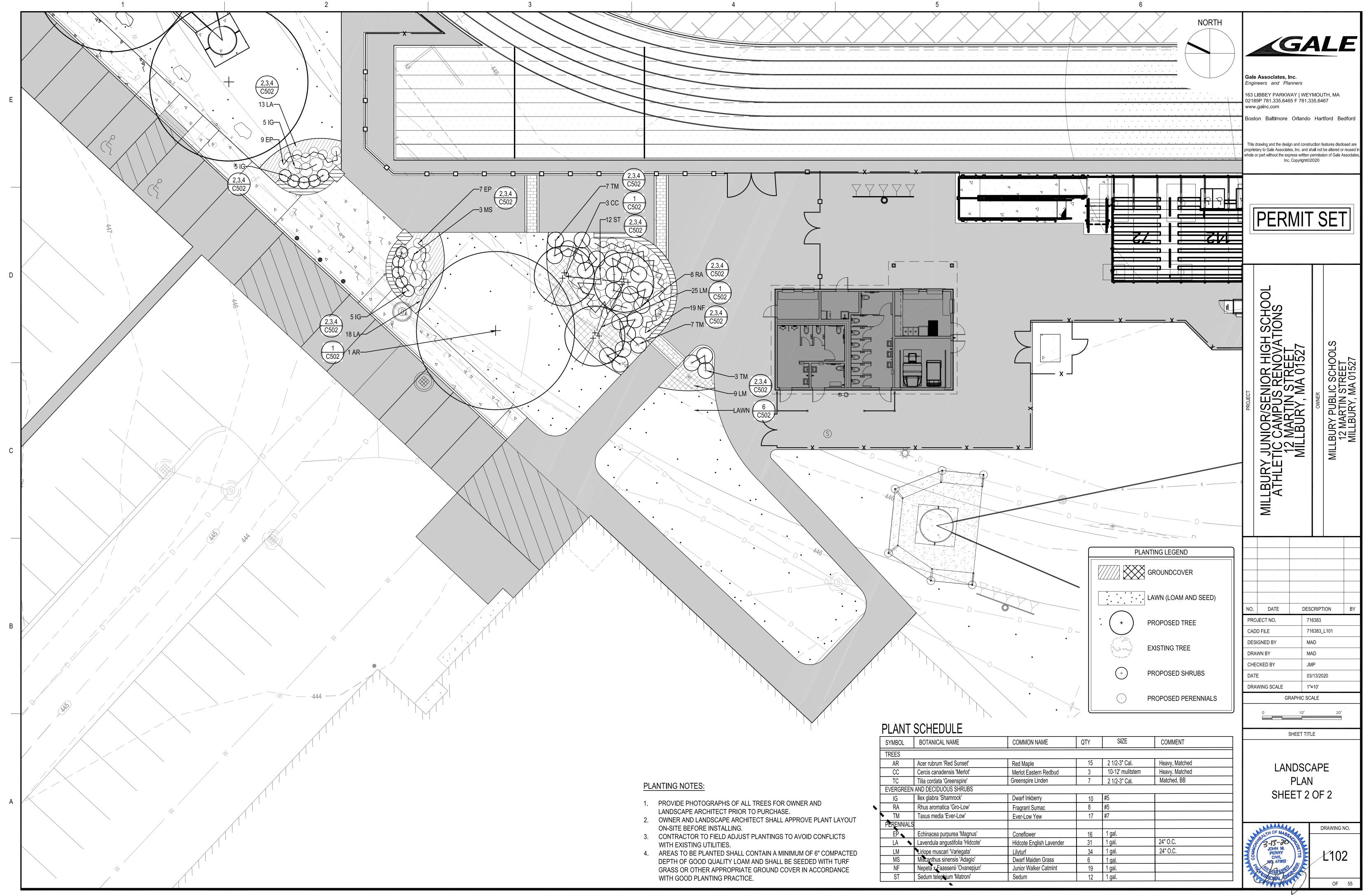


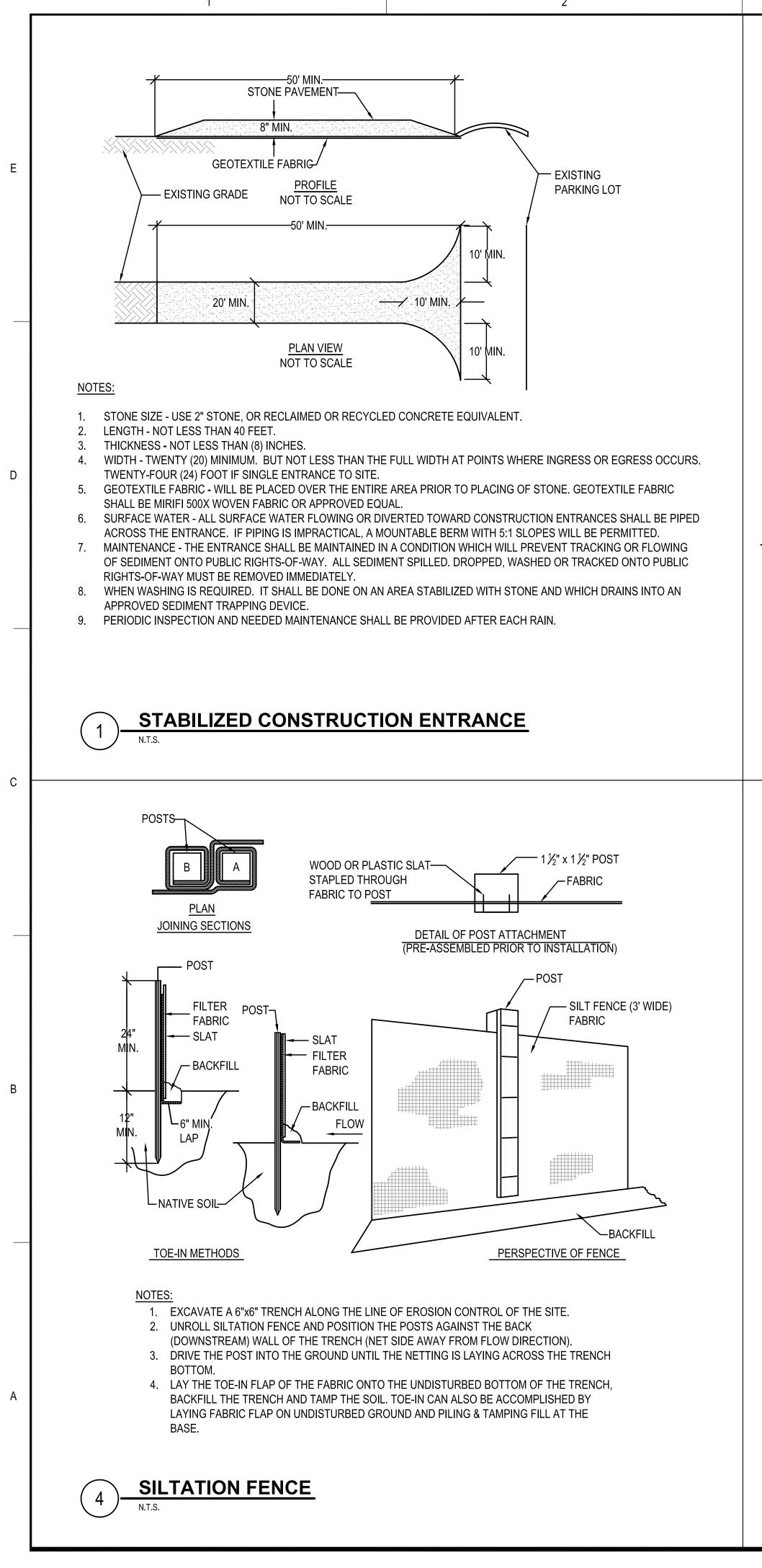


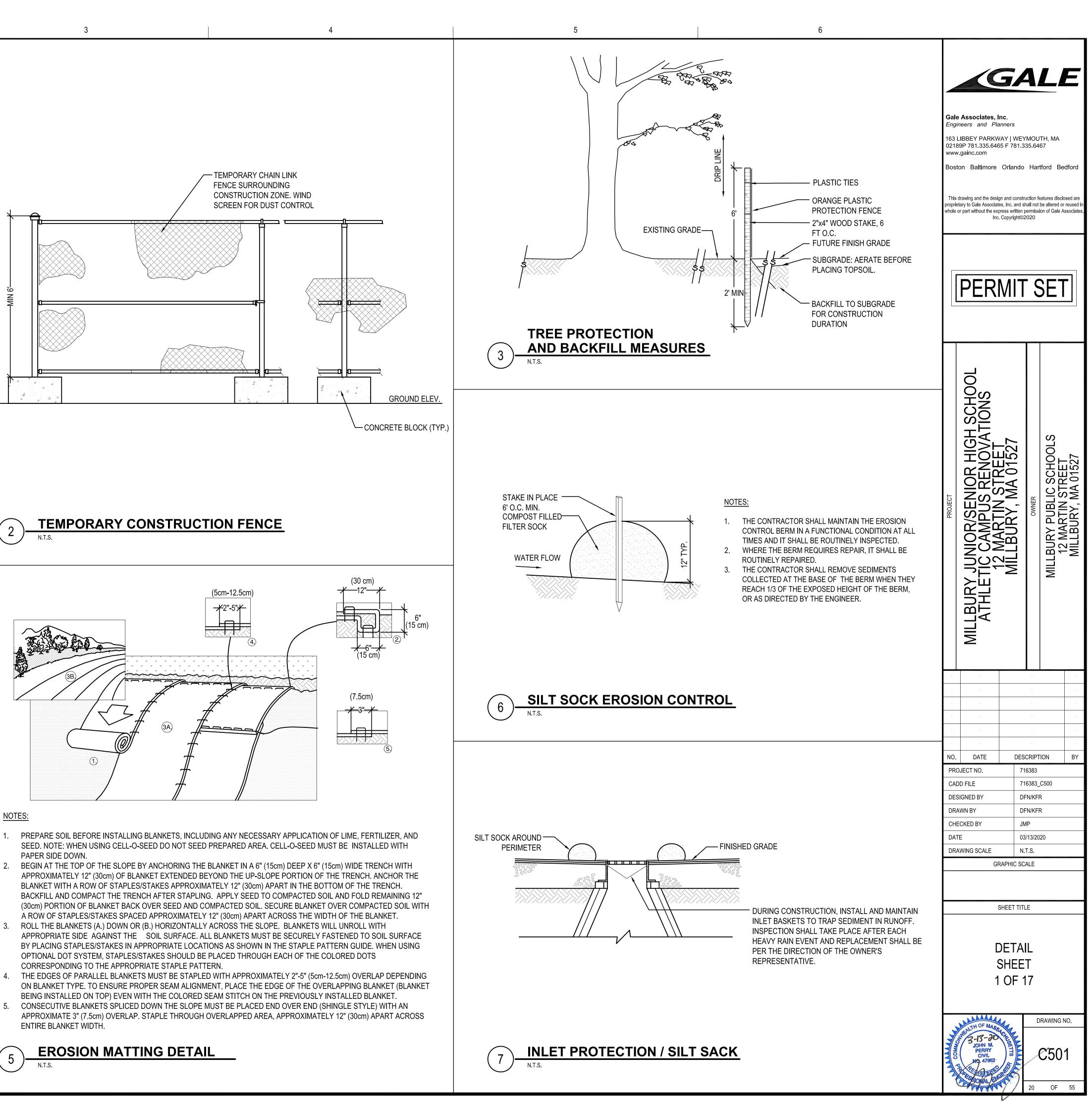


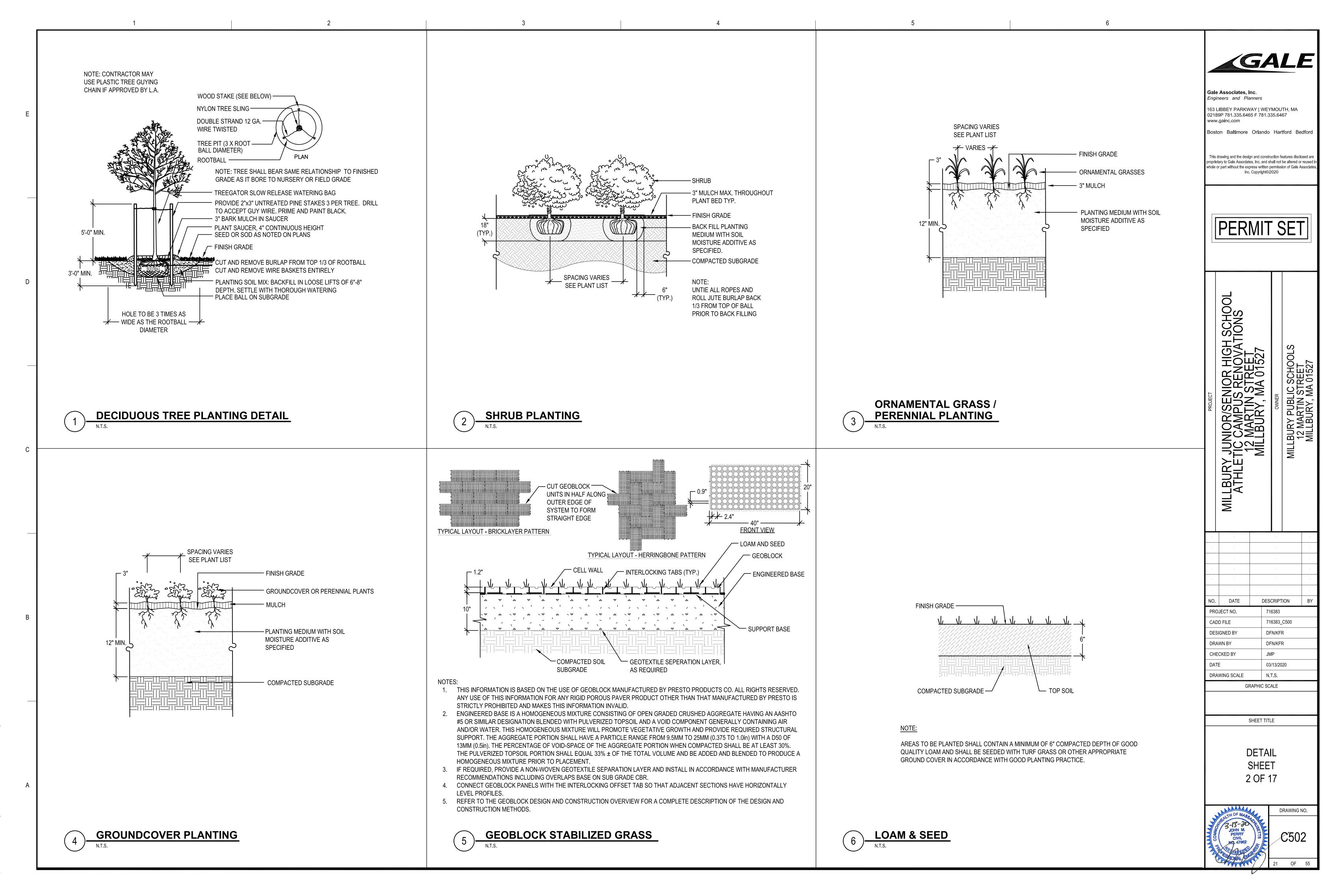


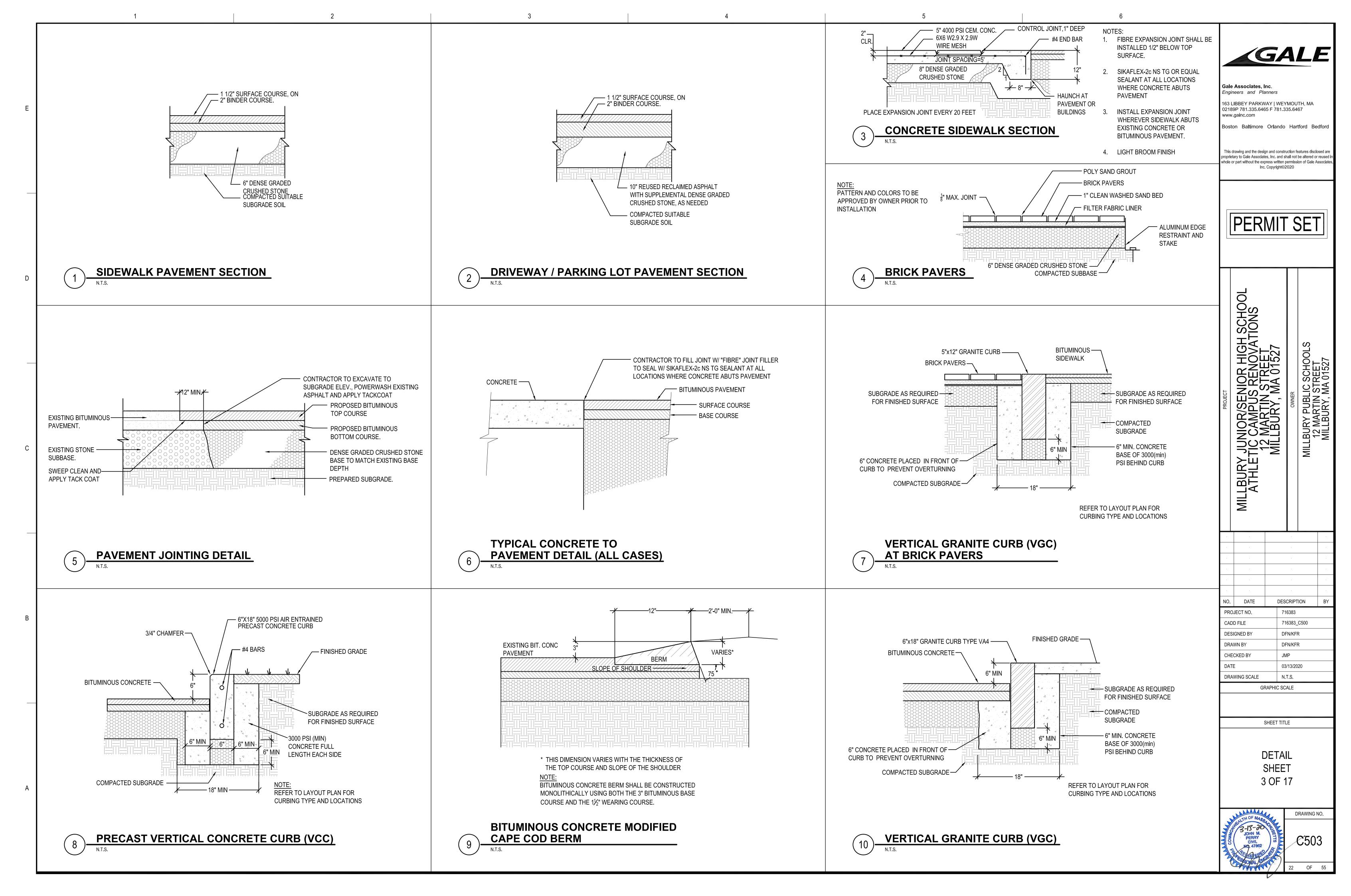




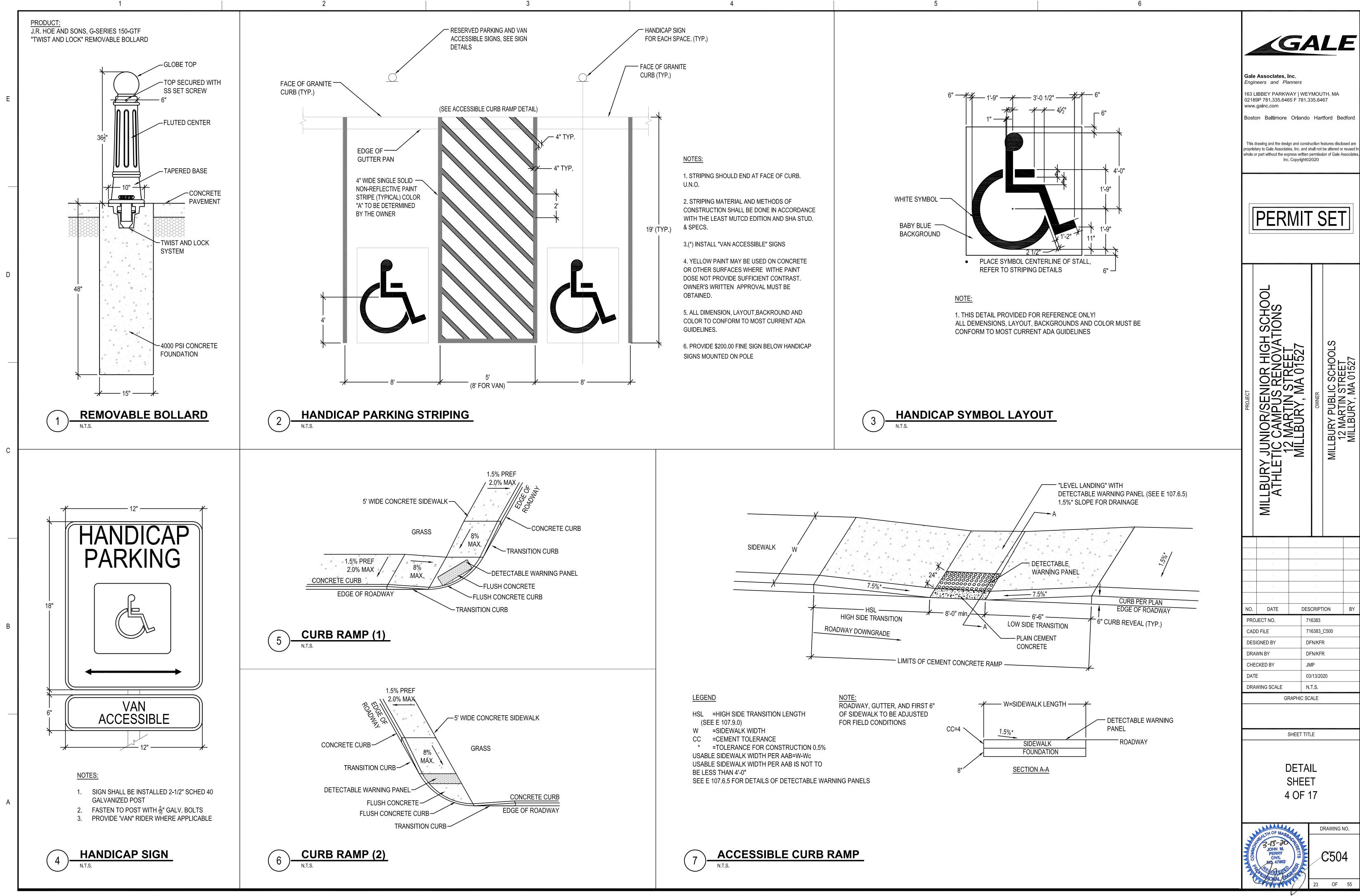


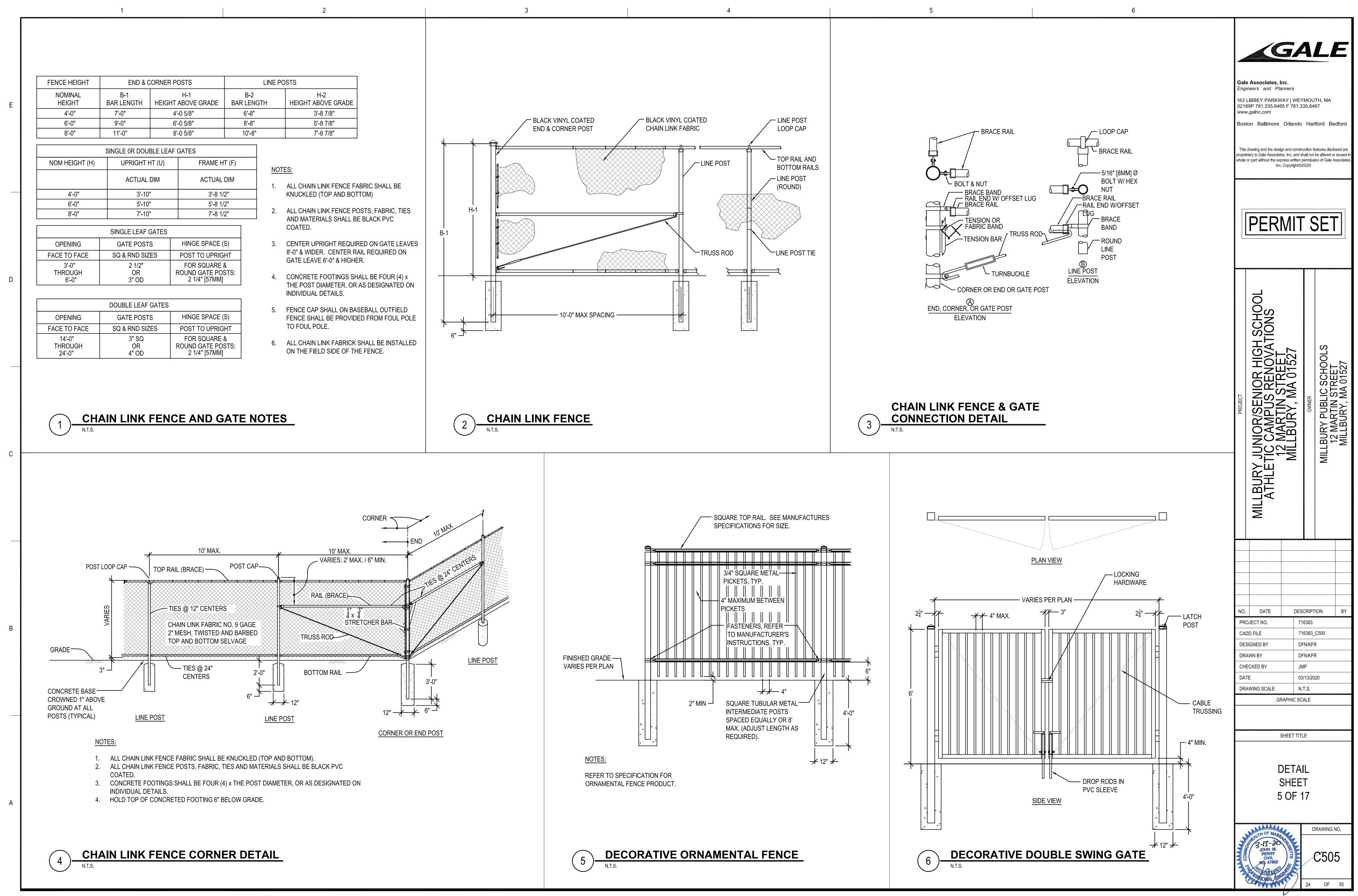


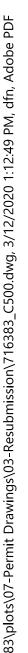


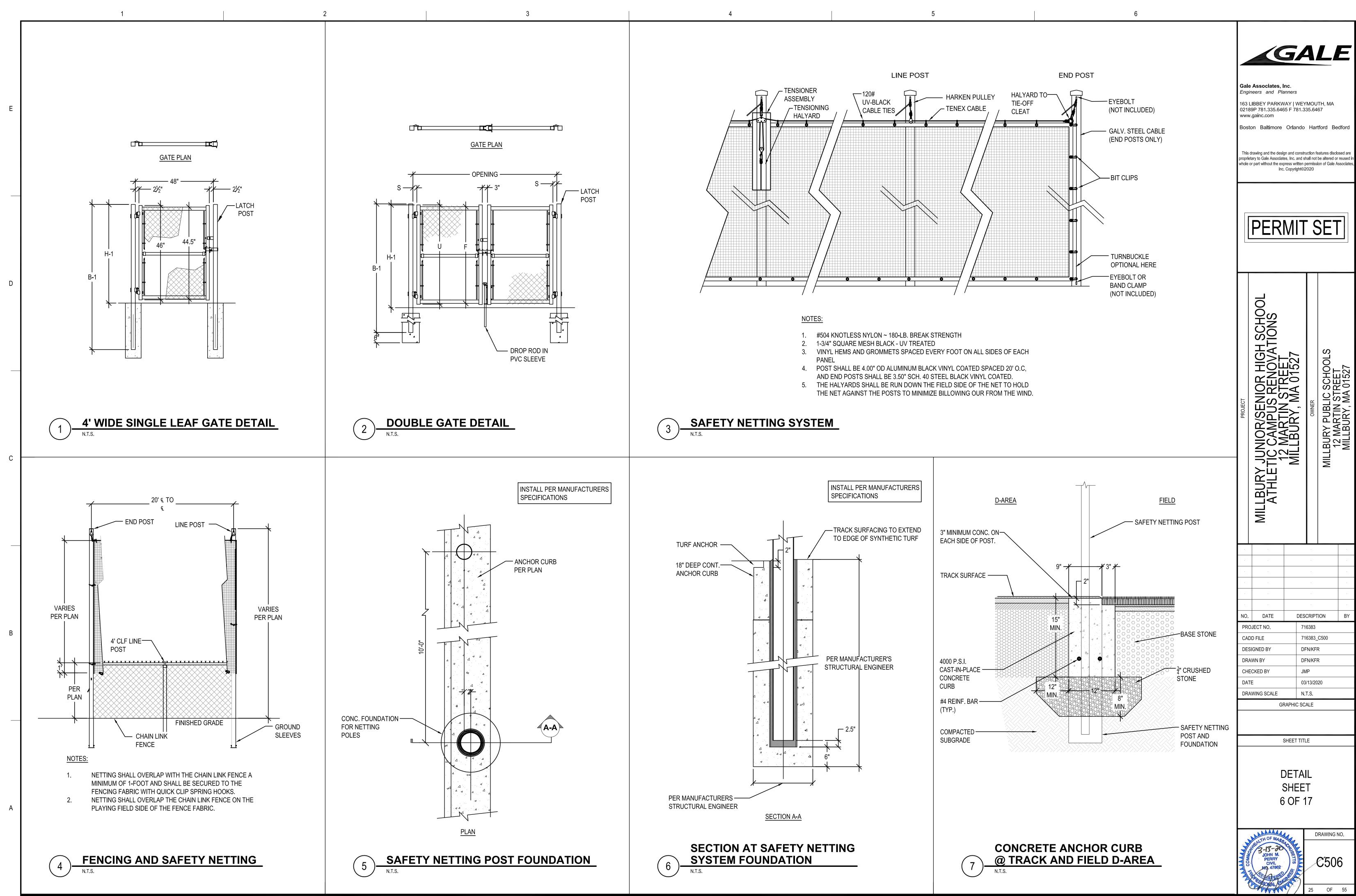


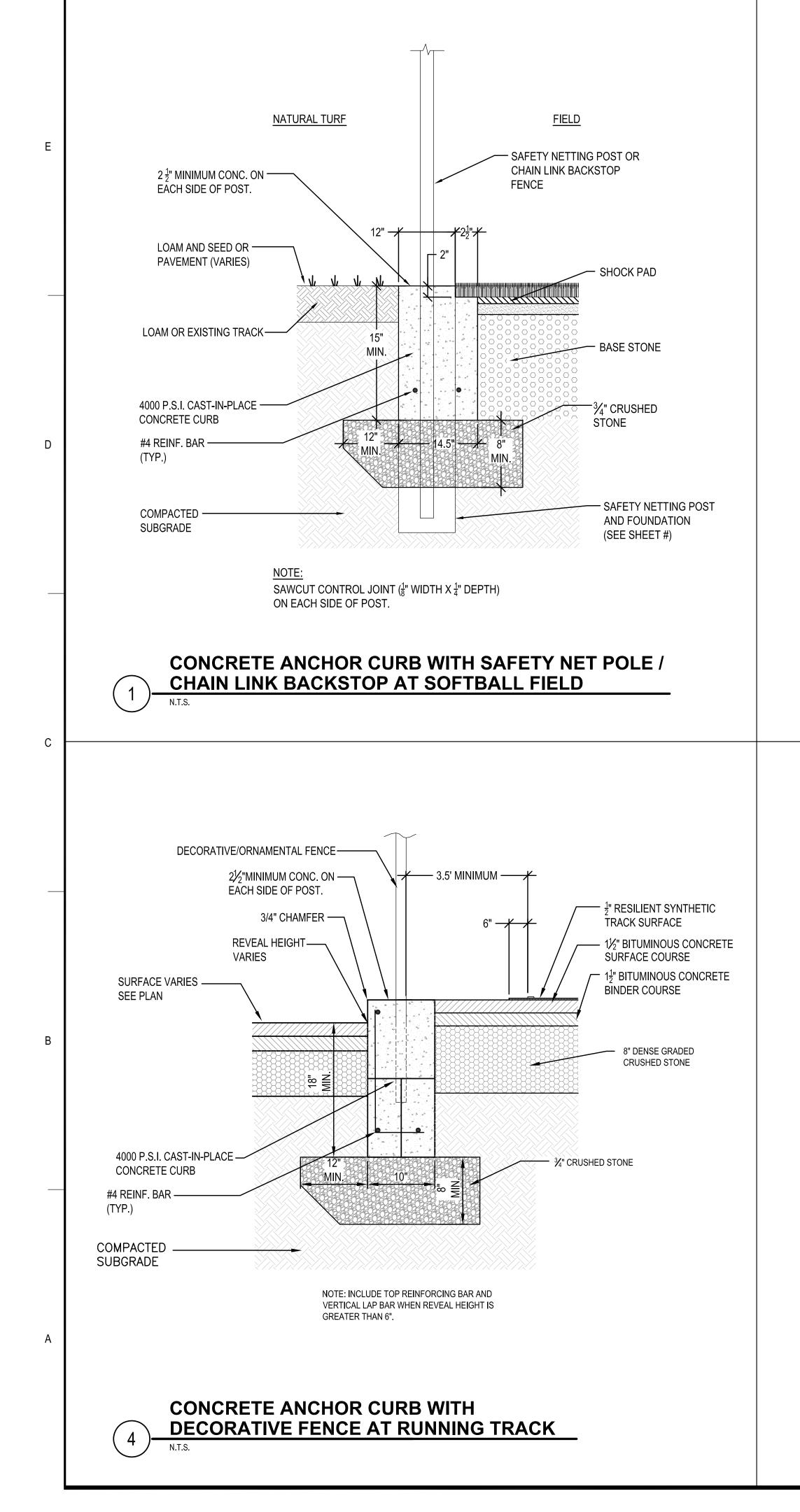
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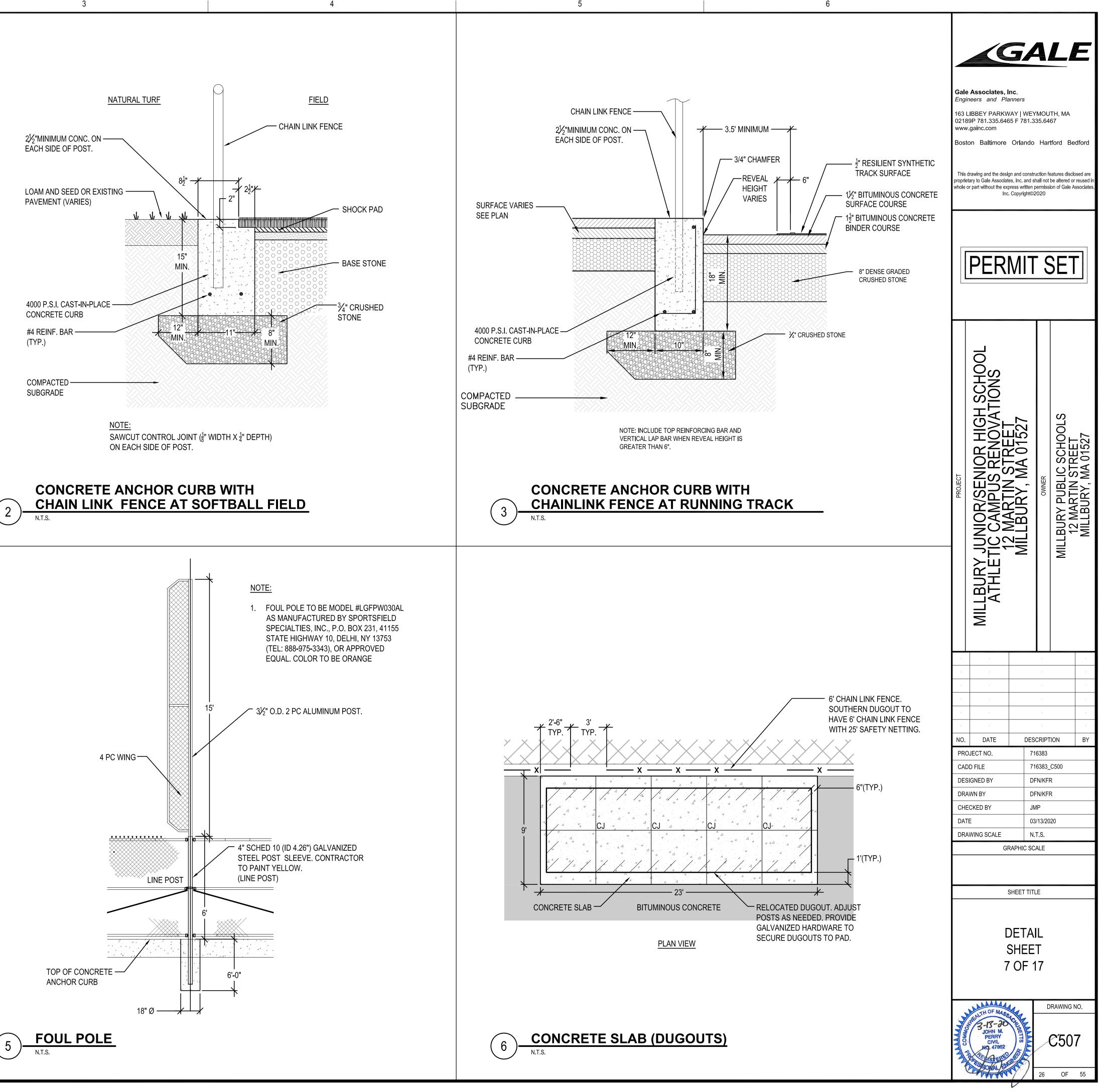


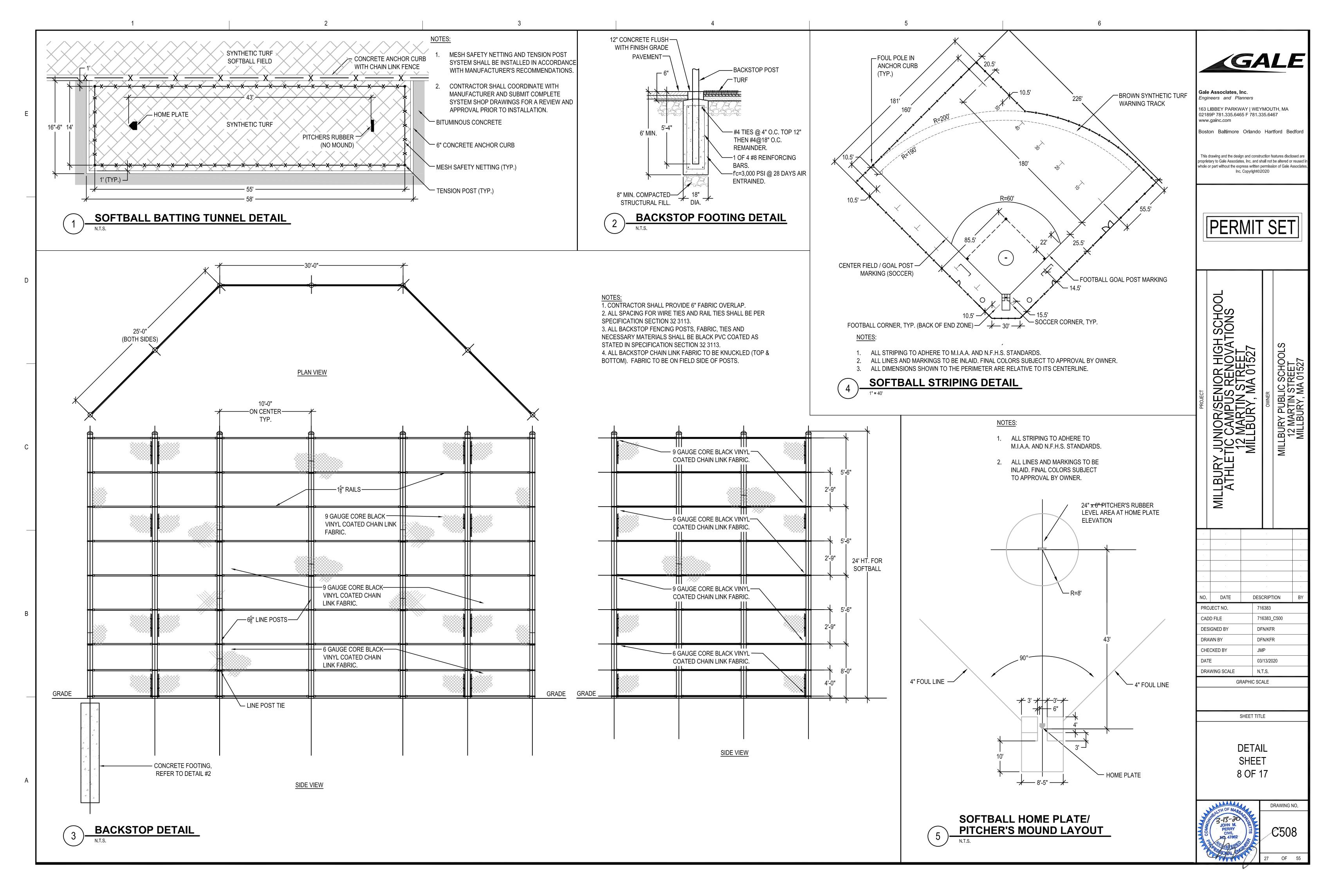




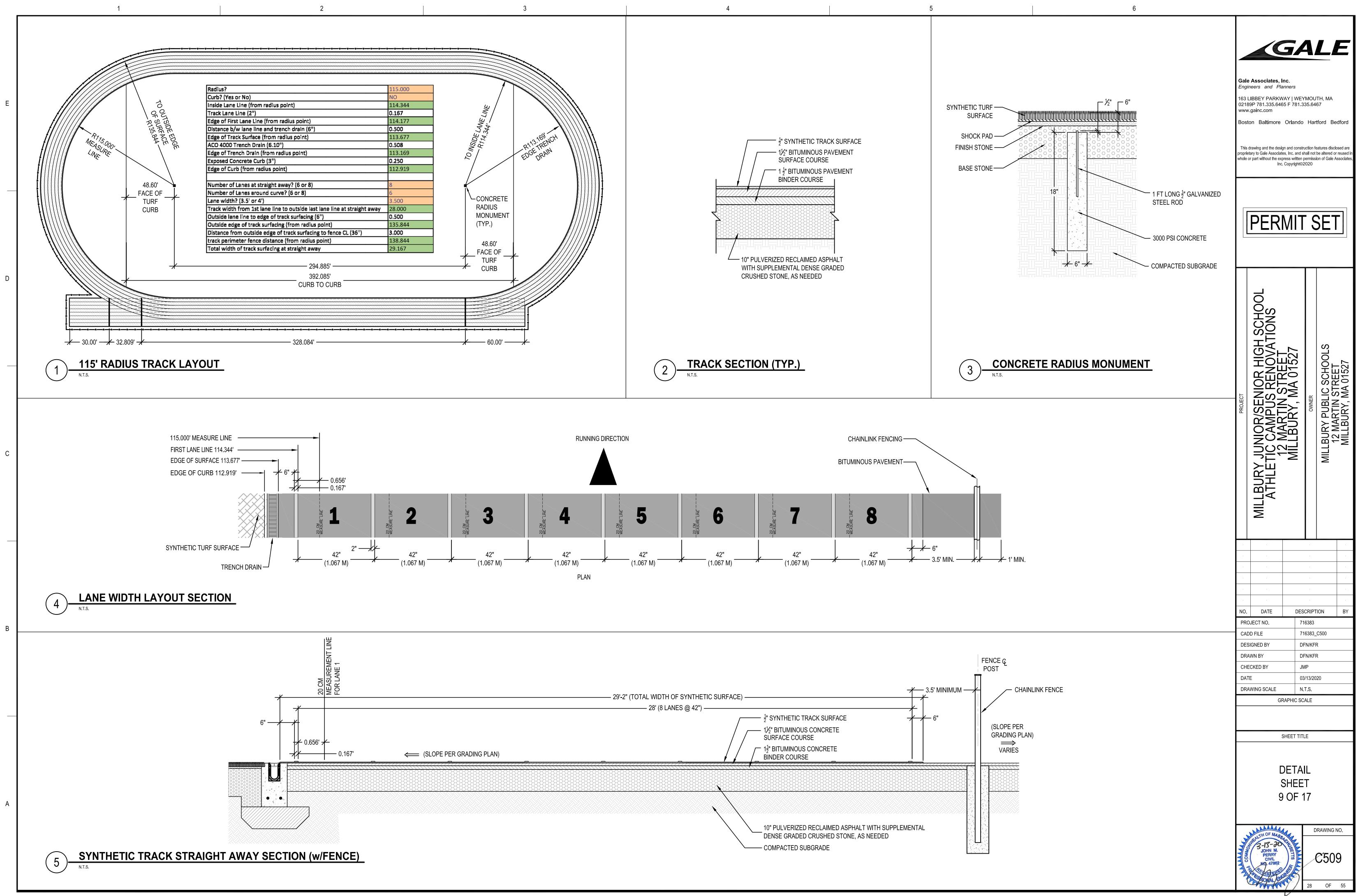


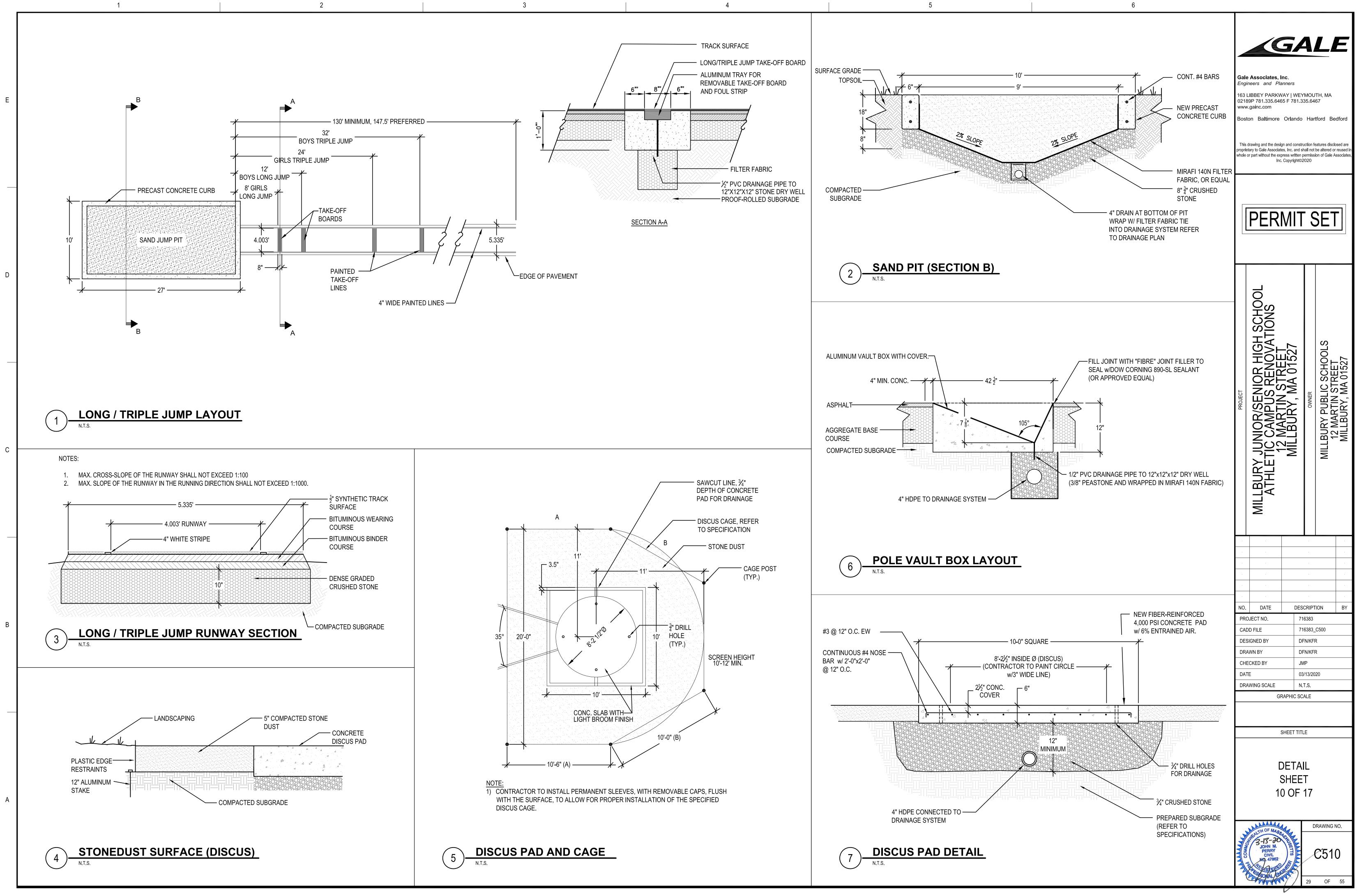


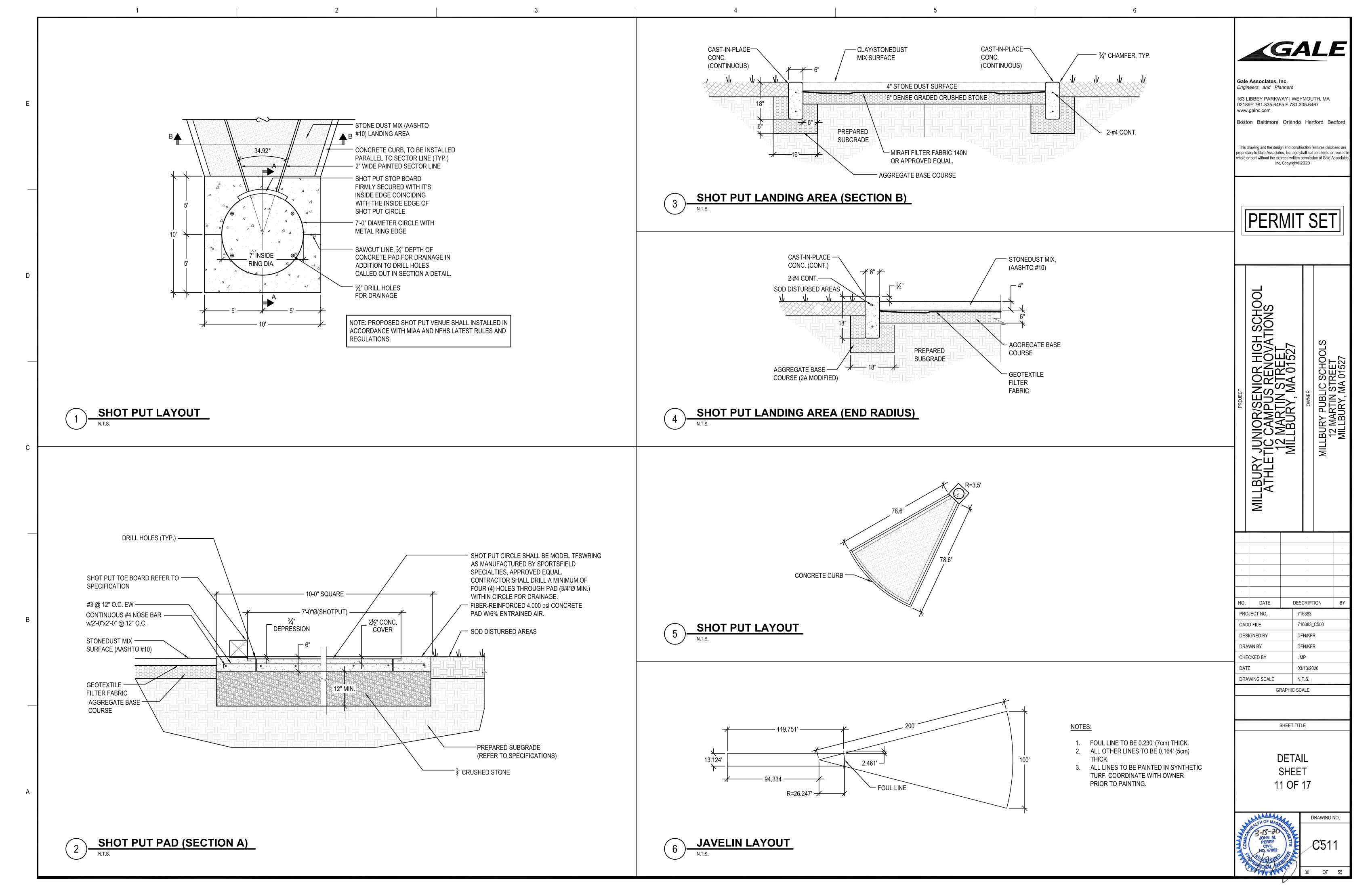


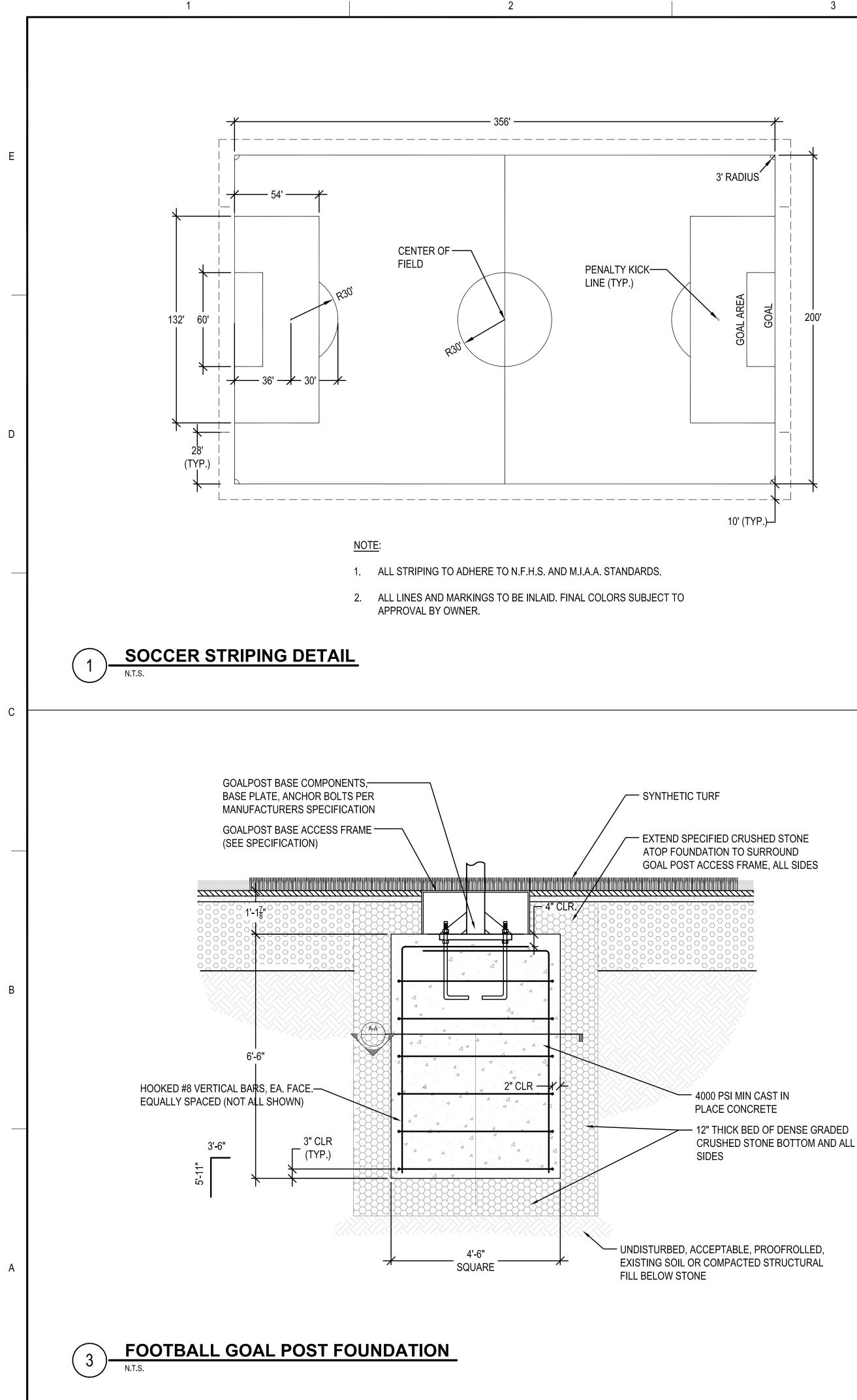


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2

 $\nabla \Theta$ 

4'-6"

N.T.S.

- 6-#8 HOOKED VERTICAL BARS, EQUALLY

SPACED EACH FACE, HOOKED LEGS

/--- #3 SQUARE TIES @ 10" O.C. VERTICALLY

\_ 2" CLR.

TYP.

NOTE:

GOAL POST FOUNDATION IS NOT

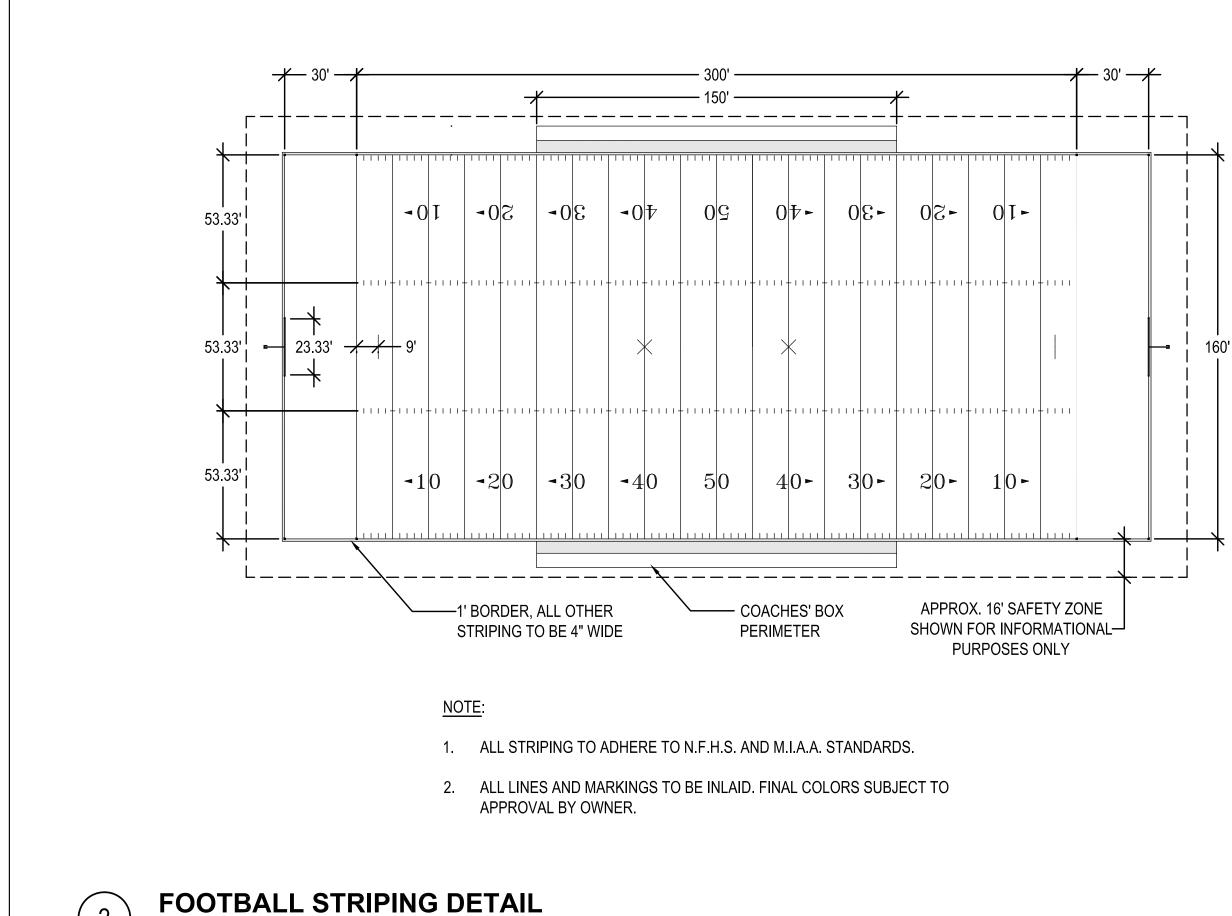
MEMBER, THEREFORE SEISMIC

TIES NOT REQUIRED.

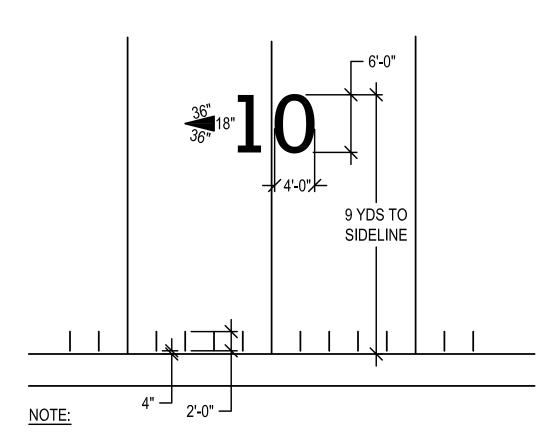
CONSIDERED AS A COMPRESSION

@ TOP-REFER TO DETAIL

— 4'-6" ———

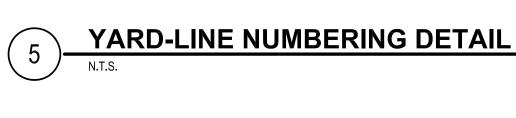


4

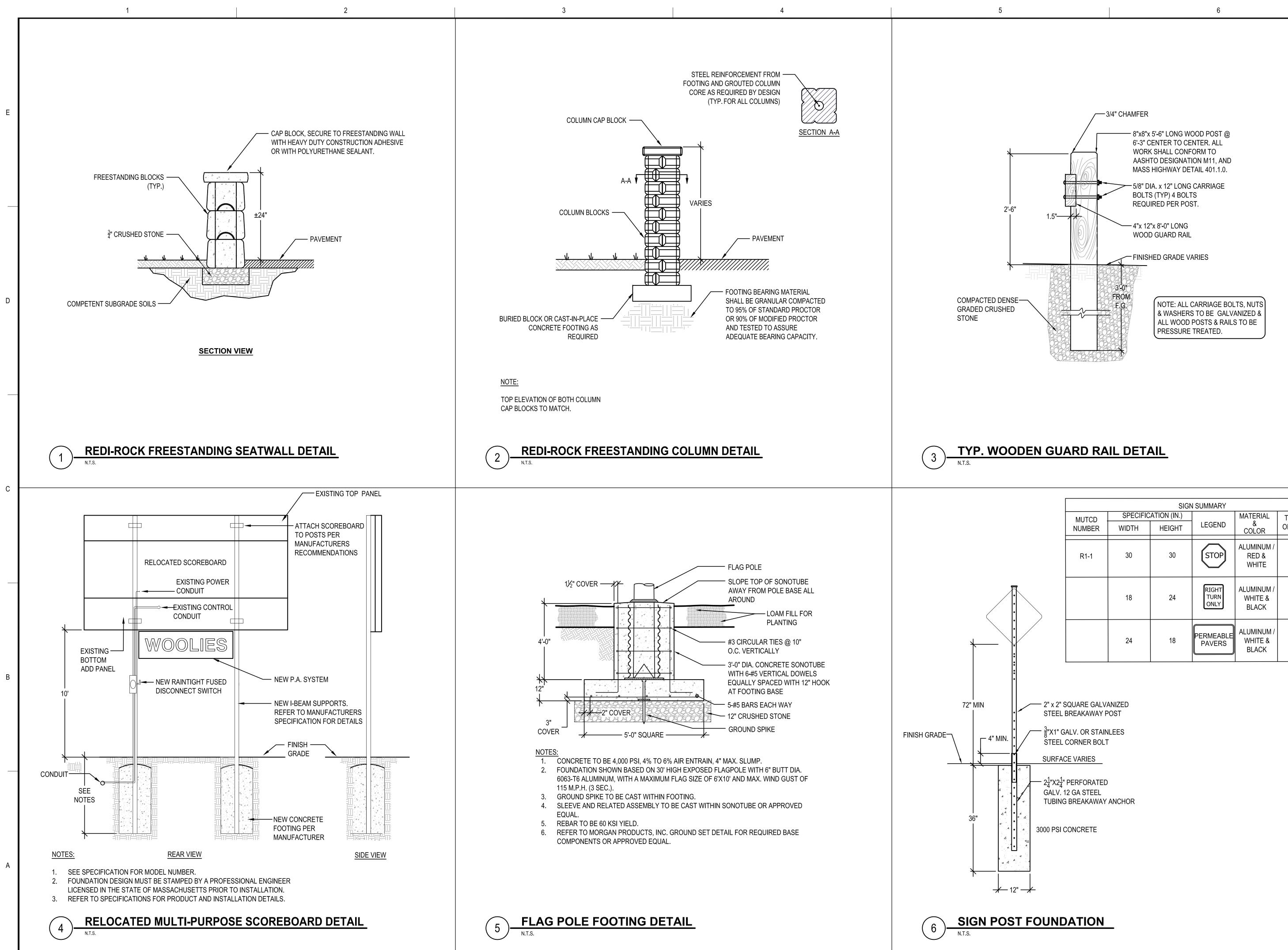


- 1. THE CONTRACTOR SHALL INLAY MARKINGS ON THE FIELD, 4-INCHES FROM EACH SIDELINE, YARD-LINE EXTENSIONS (HASH MARKS) THAT SHOULD BE 2-FEET IN LENGTH AND 4-INCHES IN WIDTH.
- 2. THE CONTRACTOR SHALL IN-LAY NUMERALS, WHICH SHALL BE 6-FEET IN HEIGHT AND-4 FEET IN WIDTH, & DIRECTIONAL ARROWS AT THE 10, 20, 30, 40 AND 50 YARD LINES.
- 3. THE TOPS OF THE NUMBERS SHOULD BE 9-YARDS FROM THE SIDELINE.
- 4. CONTRACTOR SHALL INCLUDE DIRECTIONAL ARROWS NEXT TO THE YARD-LINE NUMBERS INDICATING THE DIRECTION TOWARD THE NEAREST GOAL LINE.

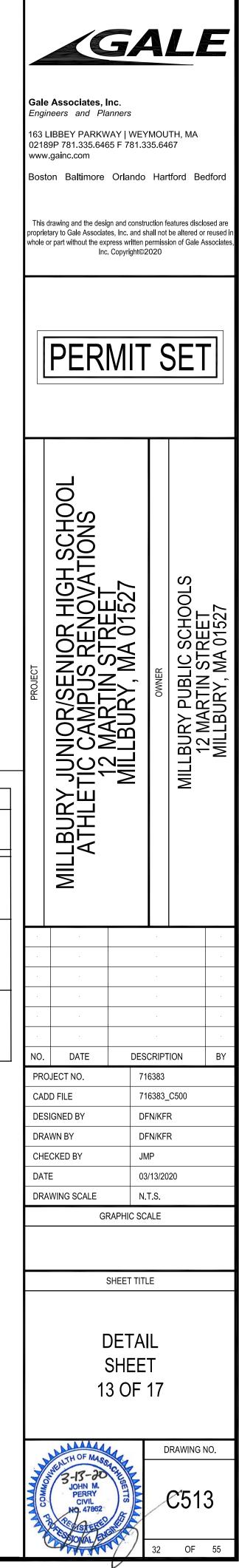
ALL PROPOSED STRIPING SHALL BE IN ACCORDANCE WITH THE MIAA AND NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS (NFHS)

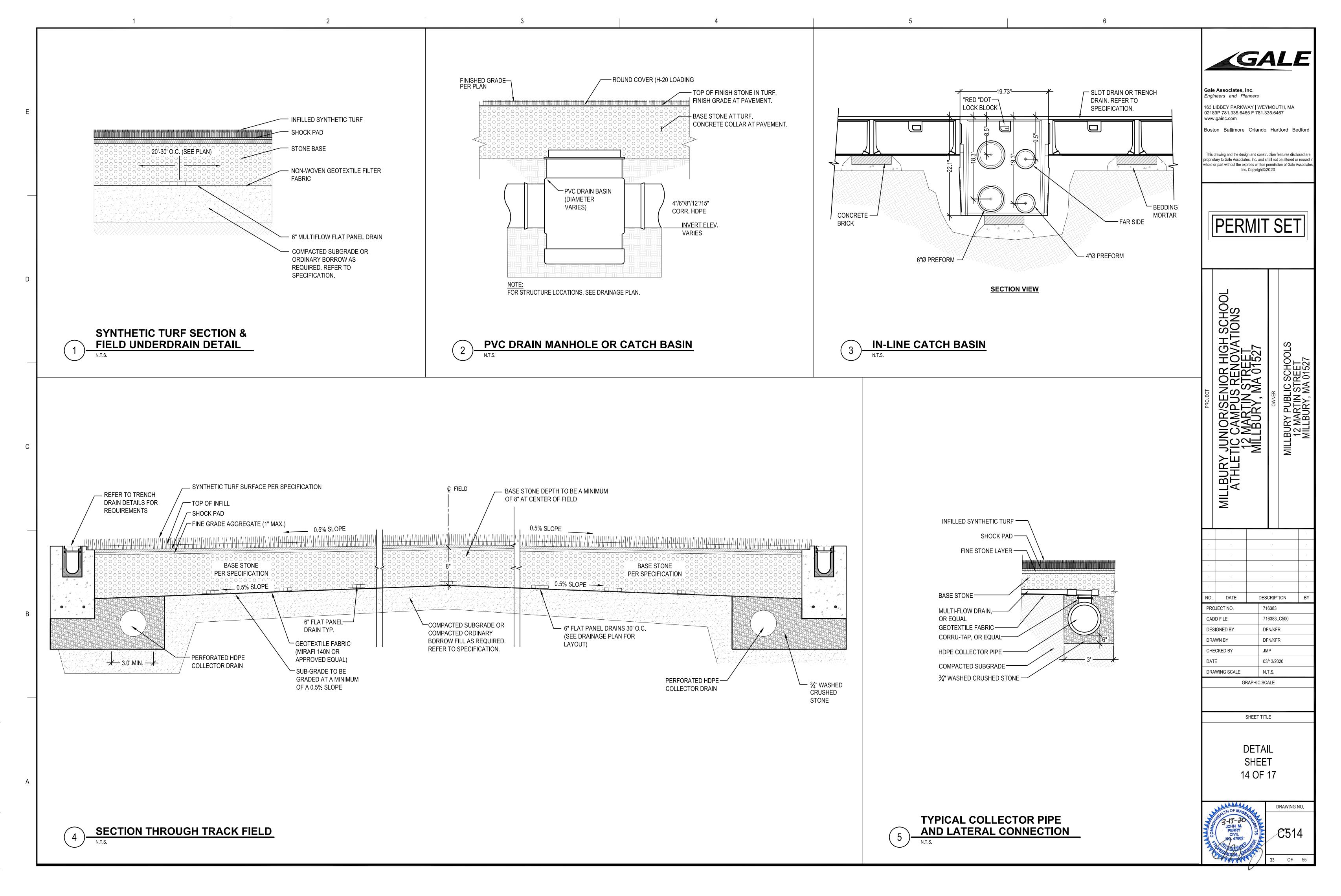


Engi 163 I 0218 www Bost This proprie whole	Associates, I ineers and Plat LIBBEY PARKW 39P 781.335.646 , gainc.com ton Baltimore drawing and the designed of part without the exp Inc.	Anners (AY   WE 5 F 781 Orland gn and cons es, Inc. and press writte . Copyright	335.64 o Har struction fe shall not n permiss ©2020	67 tford Be eatures discle be altered or ion of Gale A	osed are reused in ssociates,	
PROJECT	MILLBURY JUNIOR/SENIOR HIGH SCHOOL ATHLETIC CAMPUS RENOVATIONS	MILLBURY, MA 01527	OWNER	MILLBURY PUBLIC SCHOOLS	MILLBURY, MA 01527	
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	· · ·		· · ·			
NO. PRO	DATE	DESCRI 71638				
CADD FILE DESIGNED BY		716383_C500 DFN/FKR				
DRAWN BY CHECKED BY		DFN/KFR JMP				
DATE DRAWING SCALE		03/13/2020 N.T.S.				
GRAPHIC SCALE						
SHEET TITLE						
DETAIL SHEET 12 OF 17						
COMING COMING	JOHN M. JOHN M. PERRY CIVIL HO. 47862 BC. COSTERES	A COLUMN TIS		C51		
	AL S	1.1	31	OF	55	

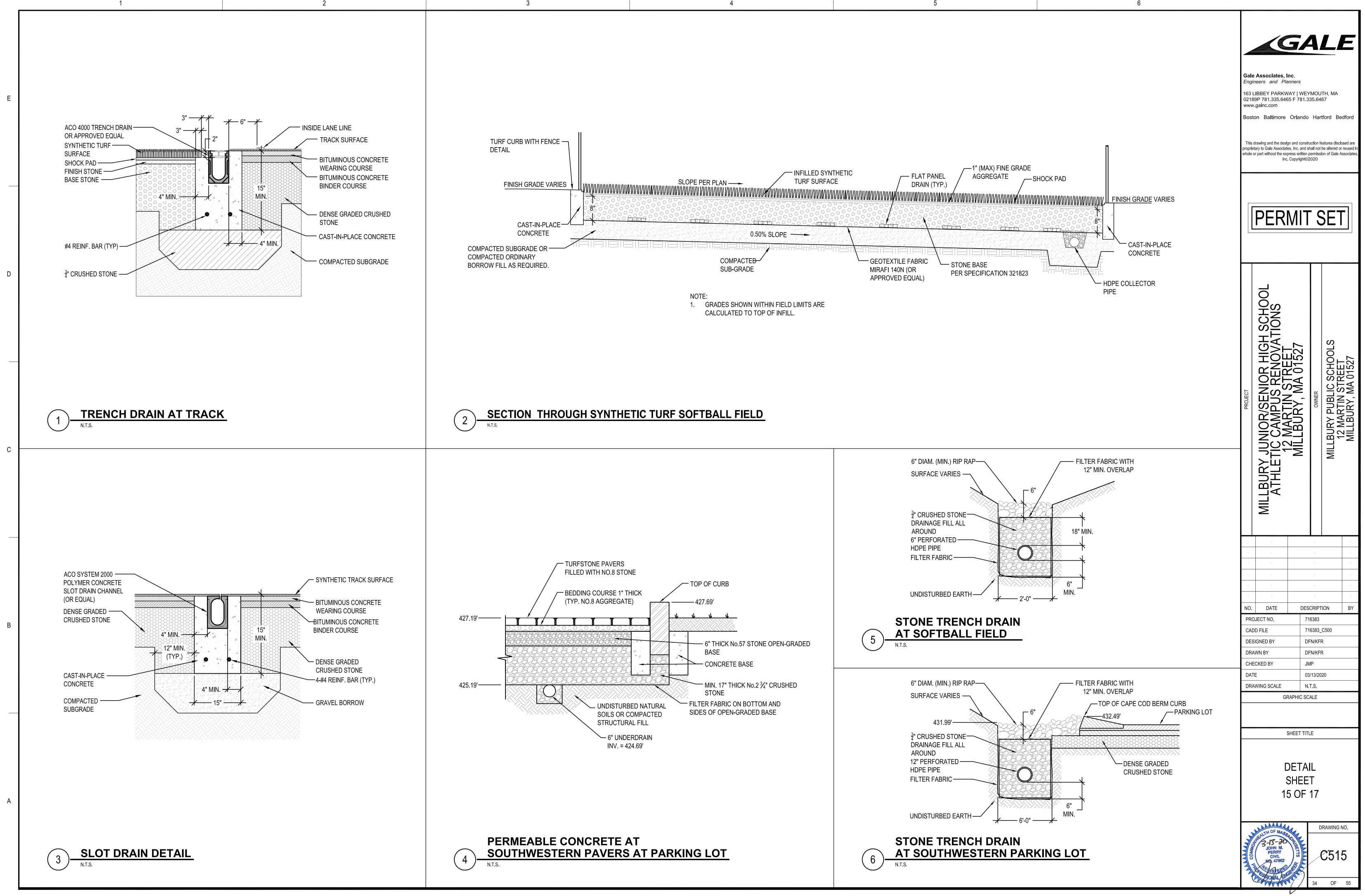


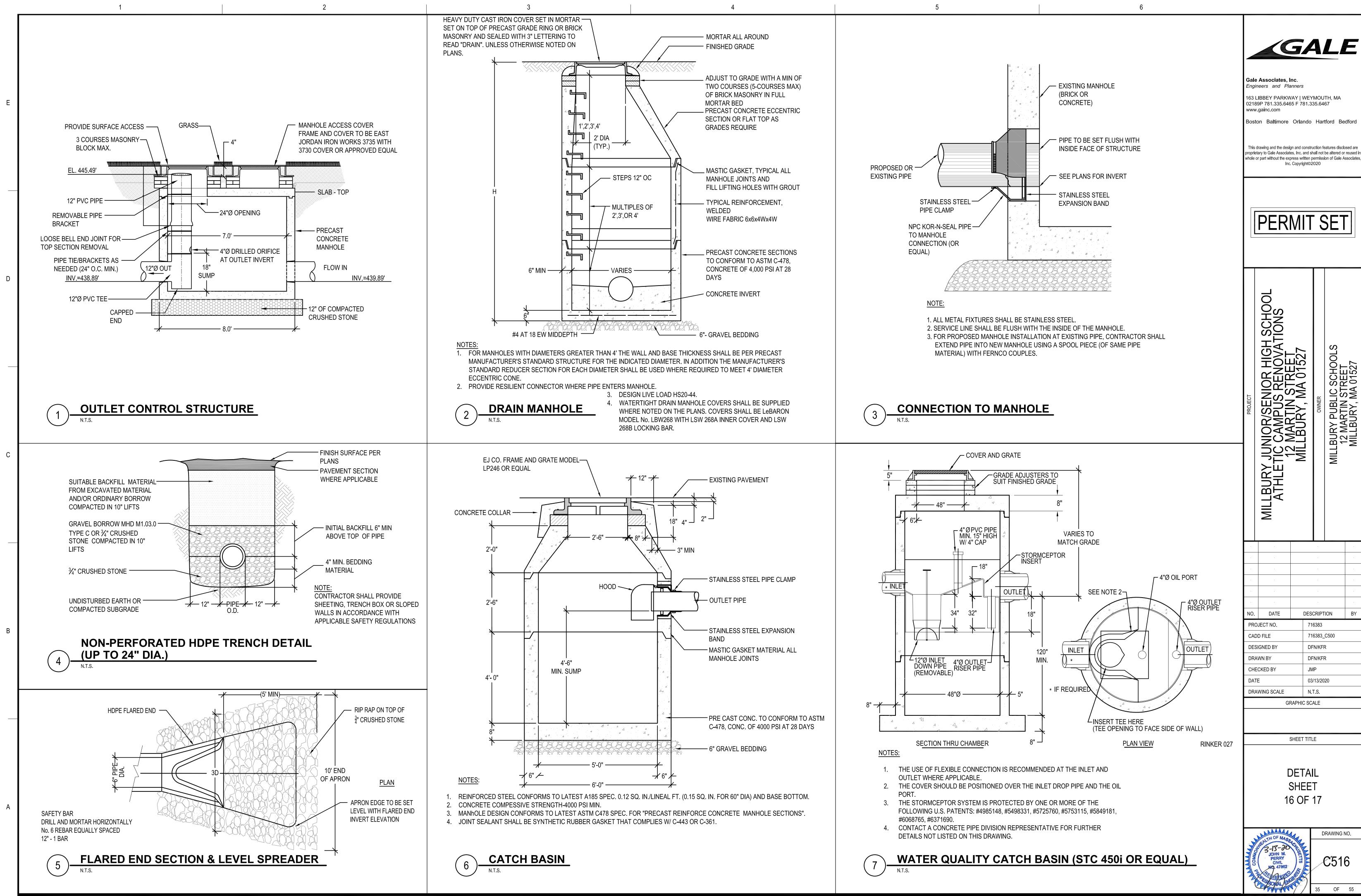
	SIGN SUMMARY							
MUTCD	SPECIFICATION (IN.)			MATERIAL	TOTAL #			
NUMBER	WIDTH	HEIGHT	LEGEND	& COLOR	OF SIGNS			
R1-1	30	30	STOP	ALUMINUM / RED & WHITE	1			
	18	24	RIGHT TURN ONLY	ALUMINUM / WHITE & BLACK	1			
	24	18	PERMEABLE PAVERS	ALUMINUM / WHITE & BLACK	2			

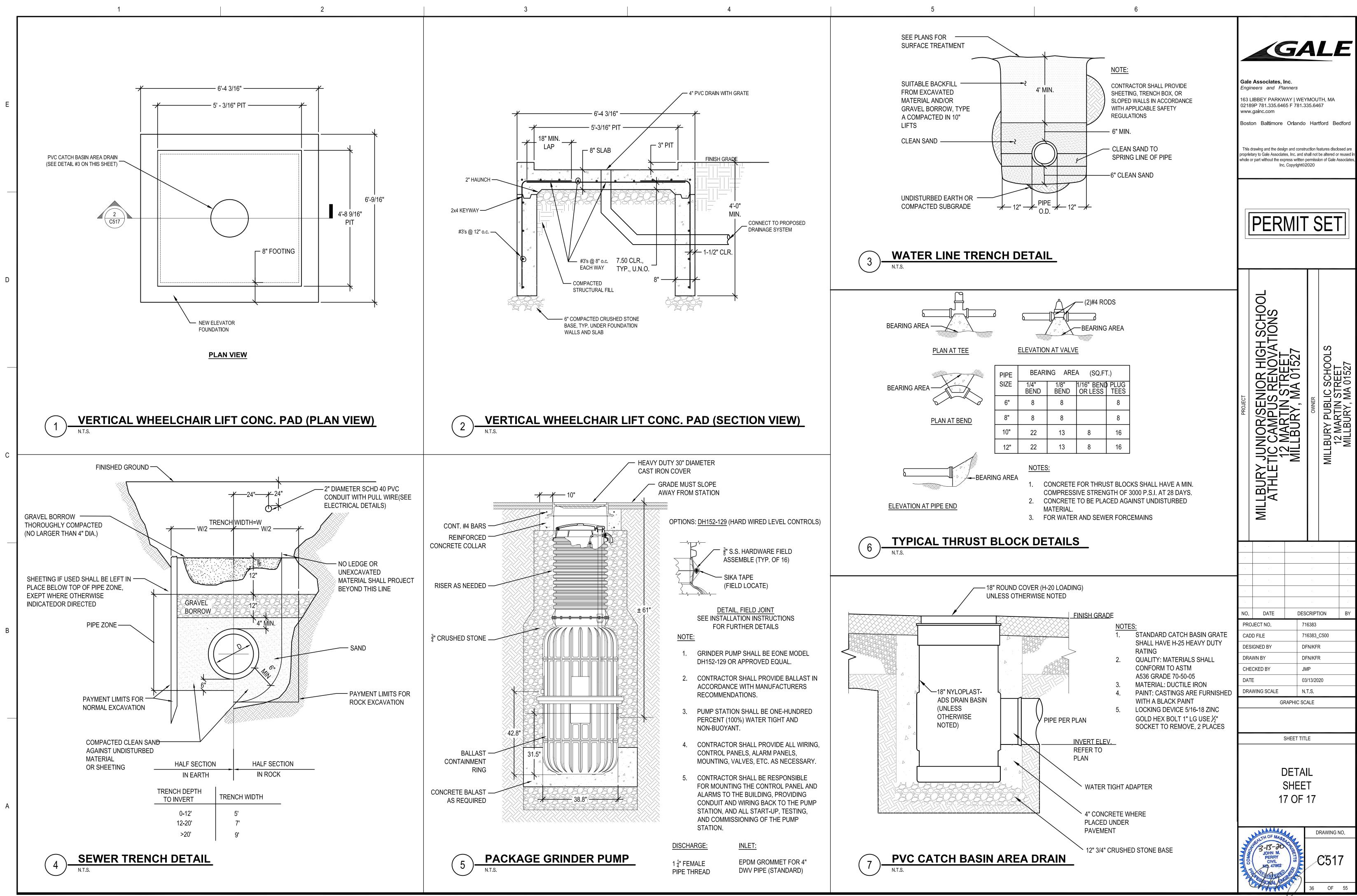


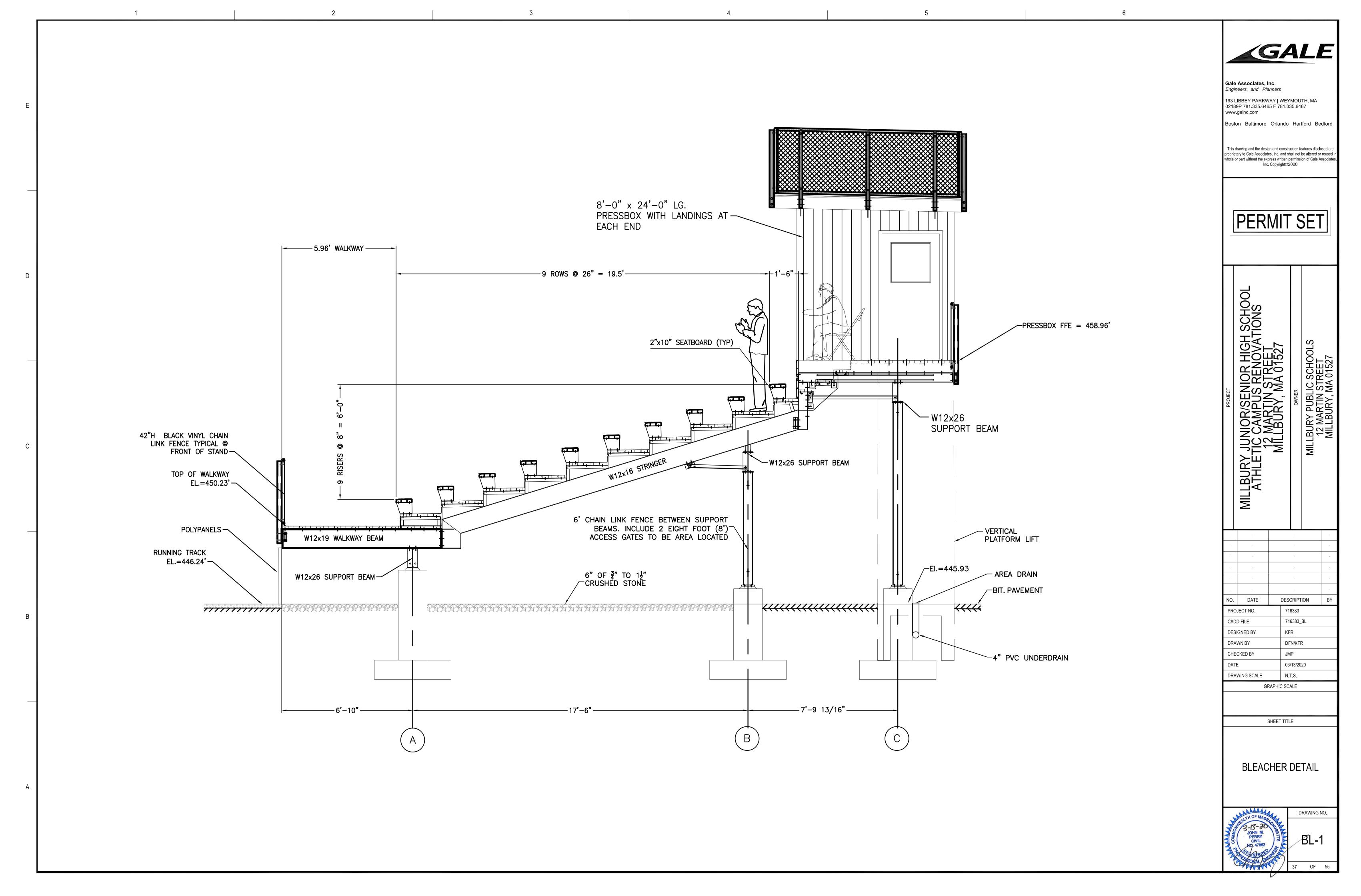


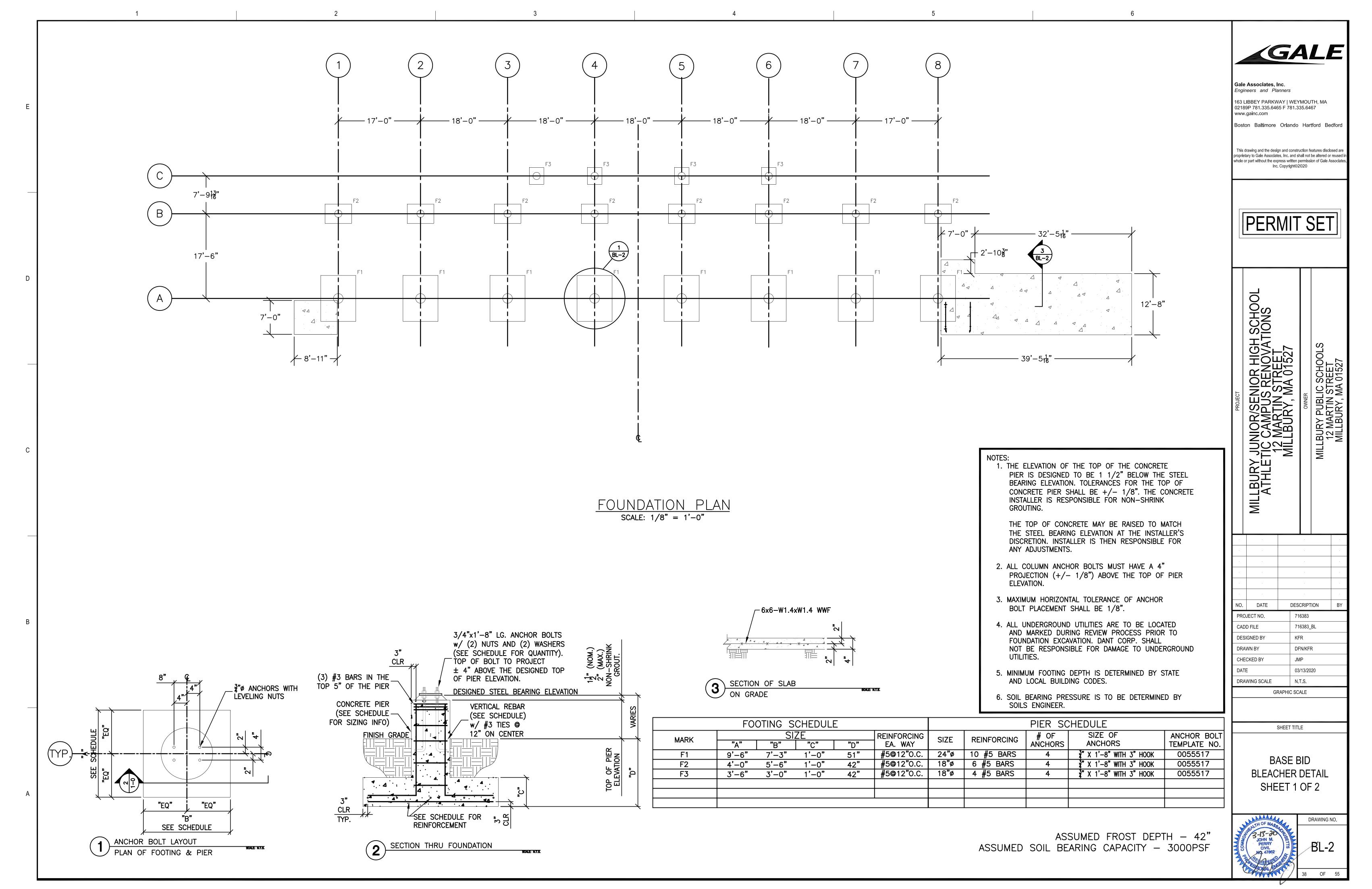
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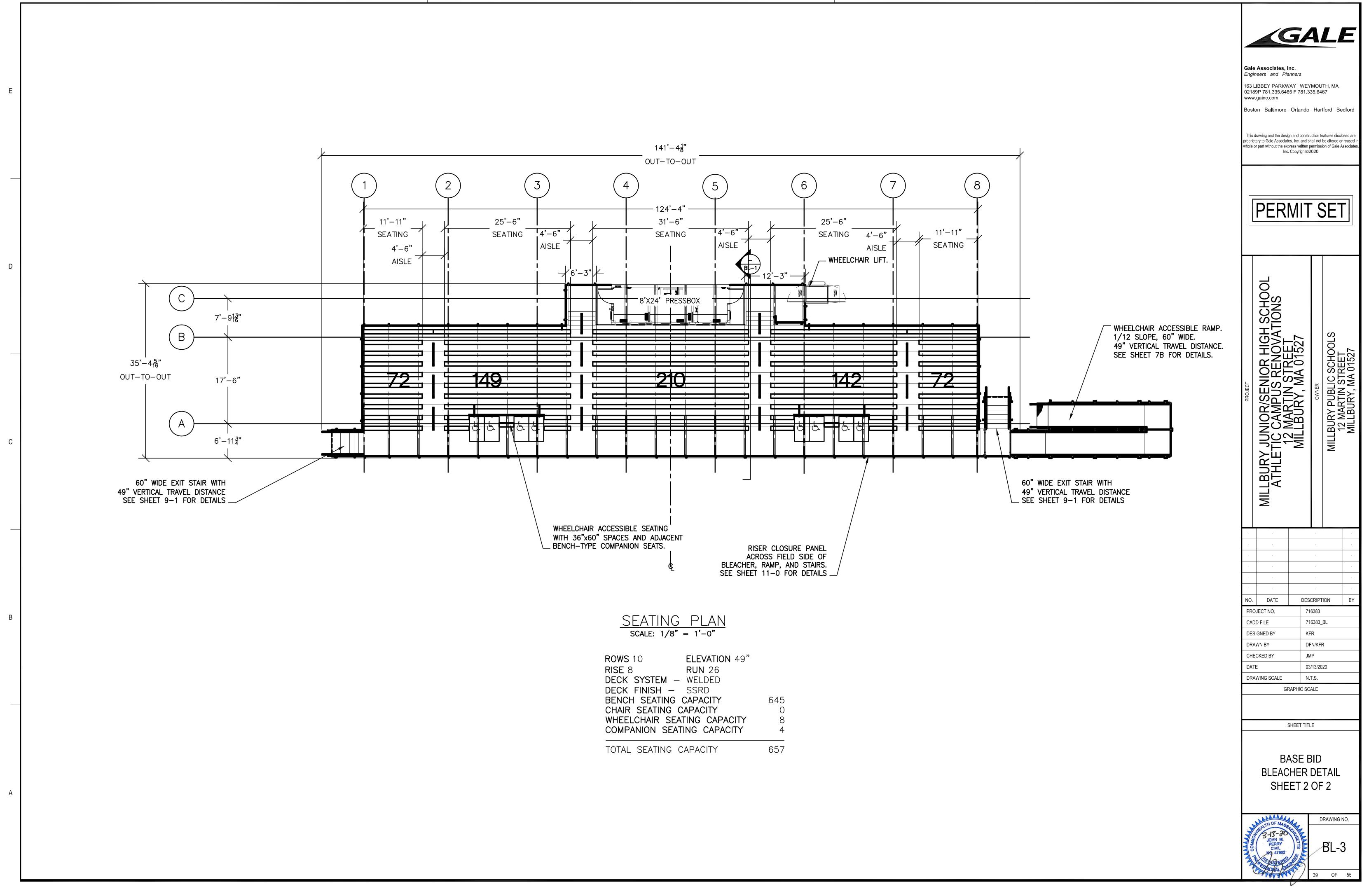


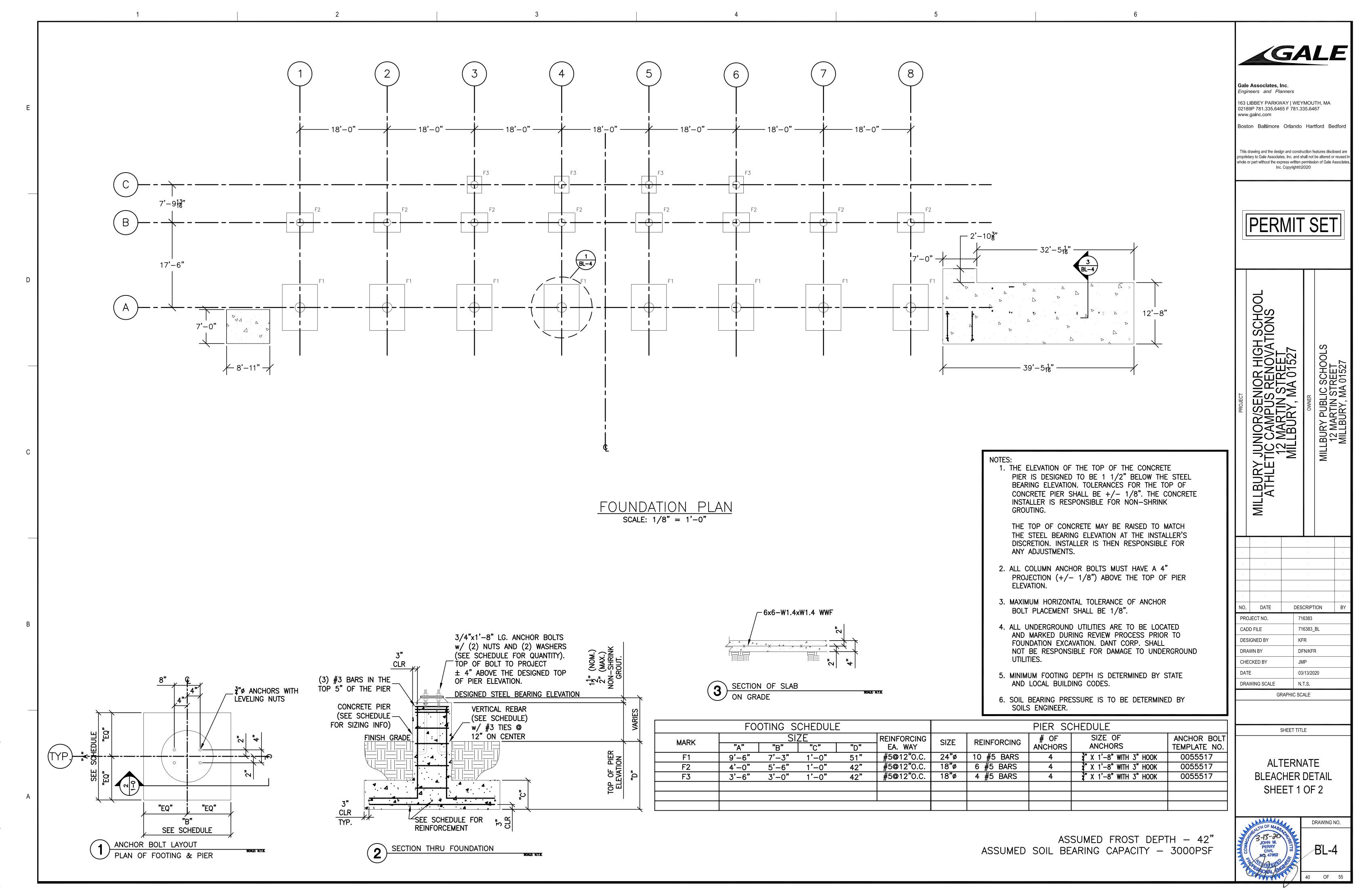


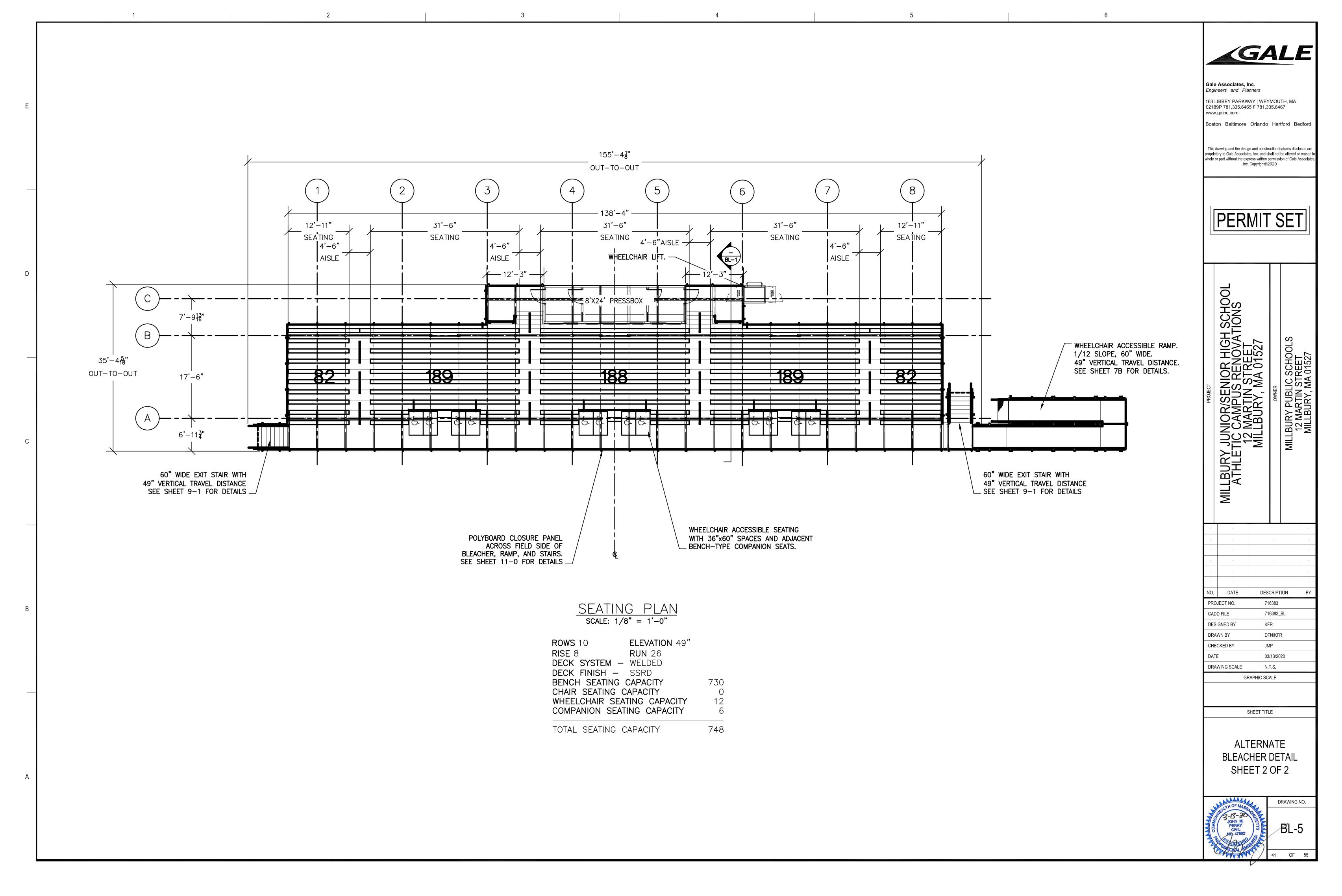


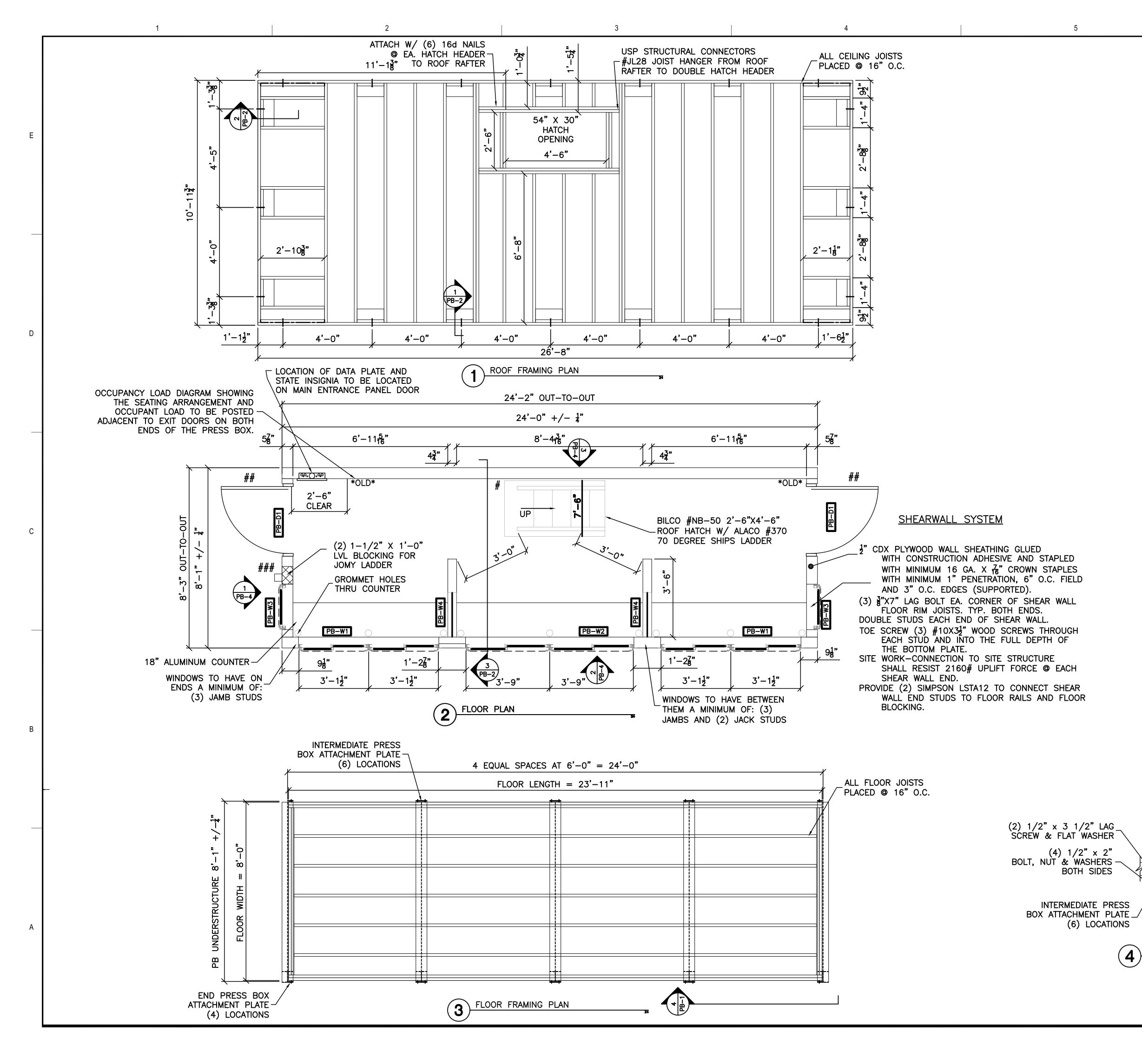


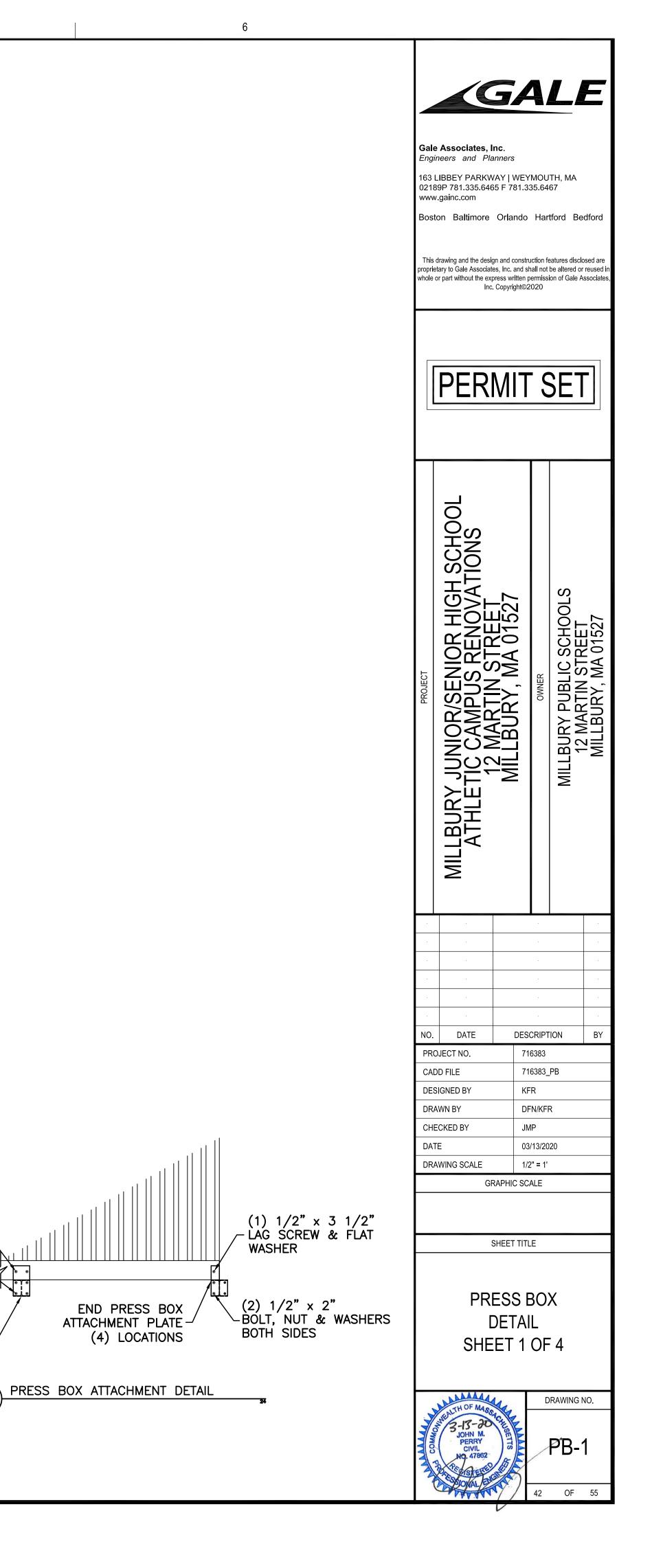


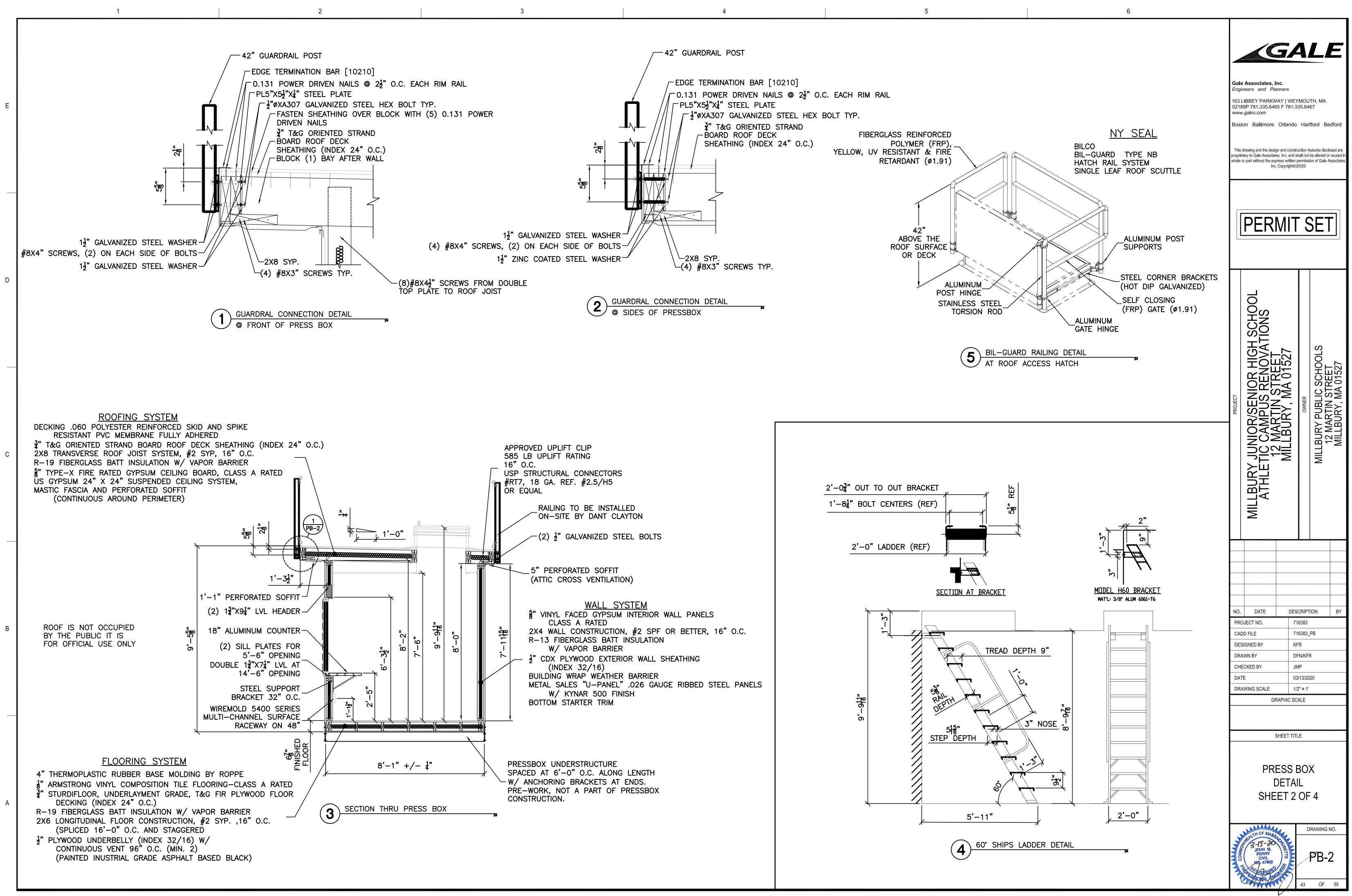












1) 2) 3)	AUT CONN ALL 1	HORITY	OF THE OF ELE S ON E	: LOCAL JUF CTRICAL SEF LECTRICAL C	RVICE TO BE PERFORMED BY A LICENSE CIRCUITS DESIGNATE FEED SIDE OF CIRC	ERS ON SITE, UN ED ELECTRICIAN. UIT.	(BY OTHERS
+, _	MC	CABLE			BE ENCASED IN THIN WALL EMT COND		
F	No		VOLT	WIRE	DESCRIPTION	WATTS	
	1	20	120	12 THHN	GENERAL LIGHTING	1,050	

2

LOCATION OF DATA PLATE AND STATE INSIGNIA TO BE LOCATED ON MAIN ENTRANCE PANEL DOOR

6**'**-0"

 $\Phi$ 

\_\_\_\_

J<sub>B</sub>

2'-6" ( CLEAR

1

2

9

3–5 20

6-7 20

20

20

BASEBOARD HEATER

120 12 THHN GENERAL RECEPTS

120 12 THHN ROOFTOP RECEPTACLE

120 12 THHN PLUG STRIPS

240 12 THHN

40 AMPS @ 240 VOLTS PANEL E scale

720

3,000

3,000

1,920

9,690

А

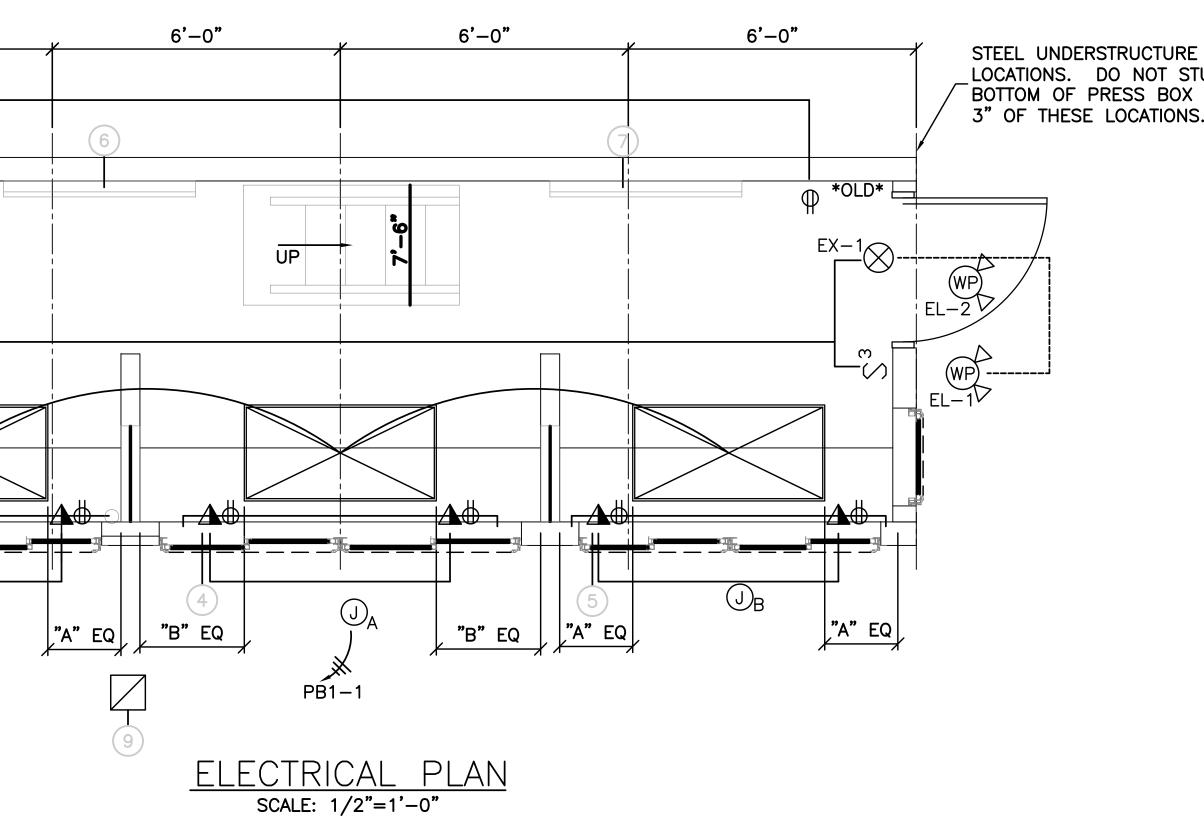
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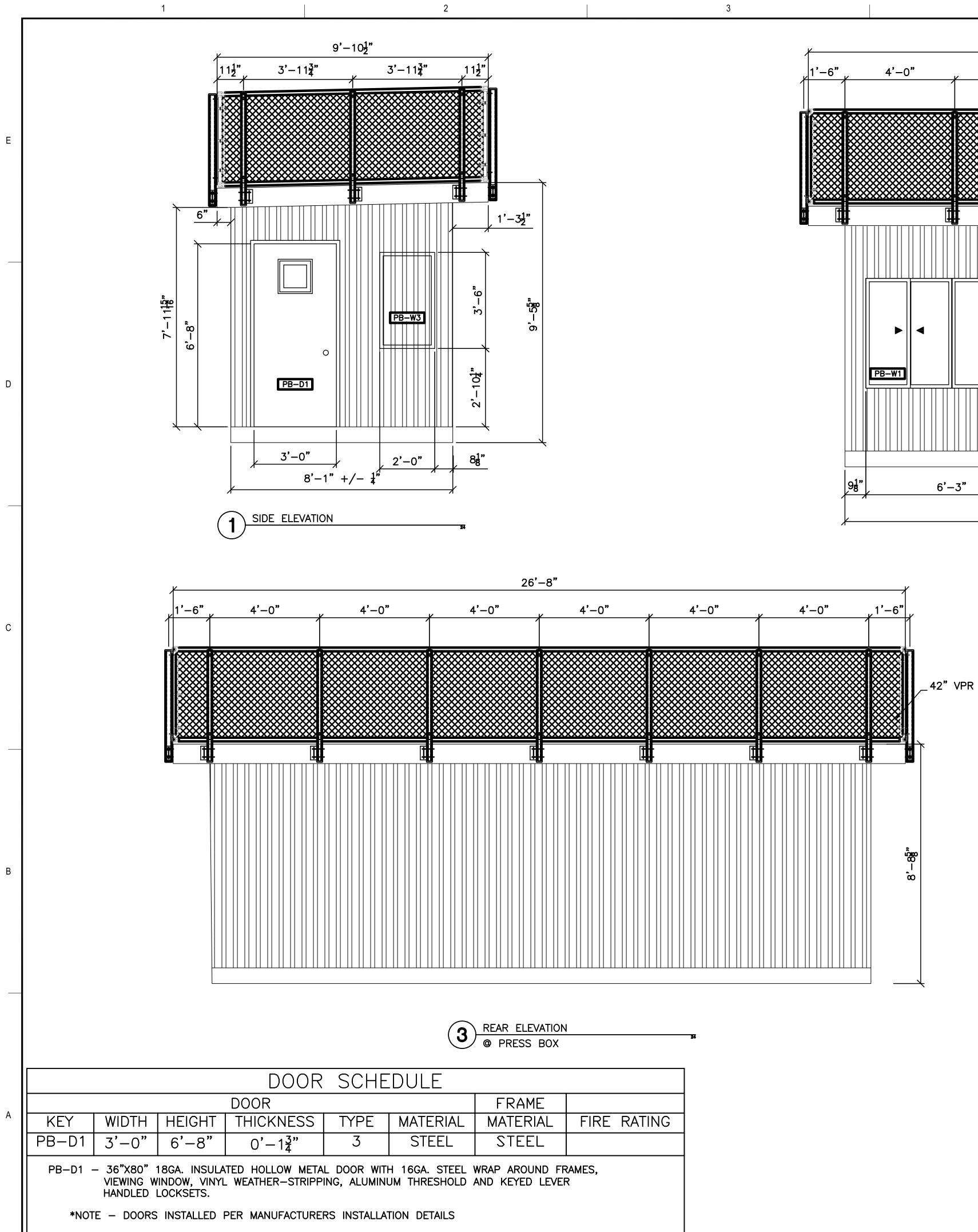


	SYMBOL	DESCRIPTI
		LITHONIA GT2 MV 2' WITH PARABOLIC DIF
	<u>[&amp;.).</u>	ELECTRICAL DISTRIBUTI SINGLE PHASE, 100 A W/ (1) 1 1/2" COND W/ (1) 3/4" CONDUIT
	$\mathbb{Z}_{3}$	PASS & SEYMOUR #TN
ELECTRICAL DISTRIBUTION PANEL LOAD CENTER WITH MAIN DISCONNECT -120/240V SINGLE PHASE, 60 Hz 100 AMP MAIN DISCONNECTING BREAKER		LITHONIA #ECR SW3R1: BATTERY BACK-UP (WA
0	EX-1	MORRIS SQUARE HEAD
#6 CU GROUNDING CONDUCTOR CONNECTED TO ELECTRODE ROD INSTALLED ON SITE BY LICENSED ELECTRICIAN	Φ	PASS & SEYMOUR CR GFI WHERE NOTED UP 18" UNLESS NOTE
	]	WIREMOLD #5400 SER W/ RECEPTS AND CON AND 3/4" CONDUIT TH
$\frac{3}{4}$ " EMT CONDUIT THRU FLOOR $1\frac{1}{2}$ " EMT CONDUIT THRU FLOOR W/ (3) #1 THHN WIRE (WIRE TO BE RUN AND CONNECTED IN THE FIELD.)	WP VEL-2	180-DEGREE WHITE OU #DFI-5982-WH WALL
<u>ELEVATION</u> le: nts	WP VEL-1	LITHONIA #ELA-W-NX
		ROOF ELECTRICAL ACC WITH 3/4" EMT COND (WEATHER-RESISANT R GUARD RAILS BY EC)
		BERKO #BKOC2546W

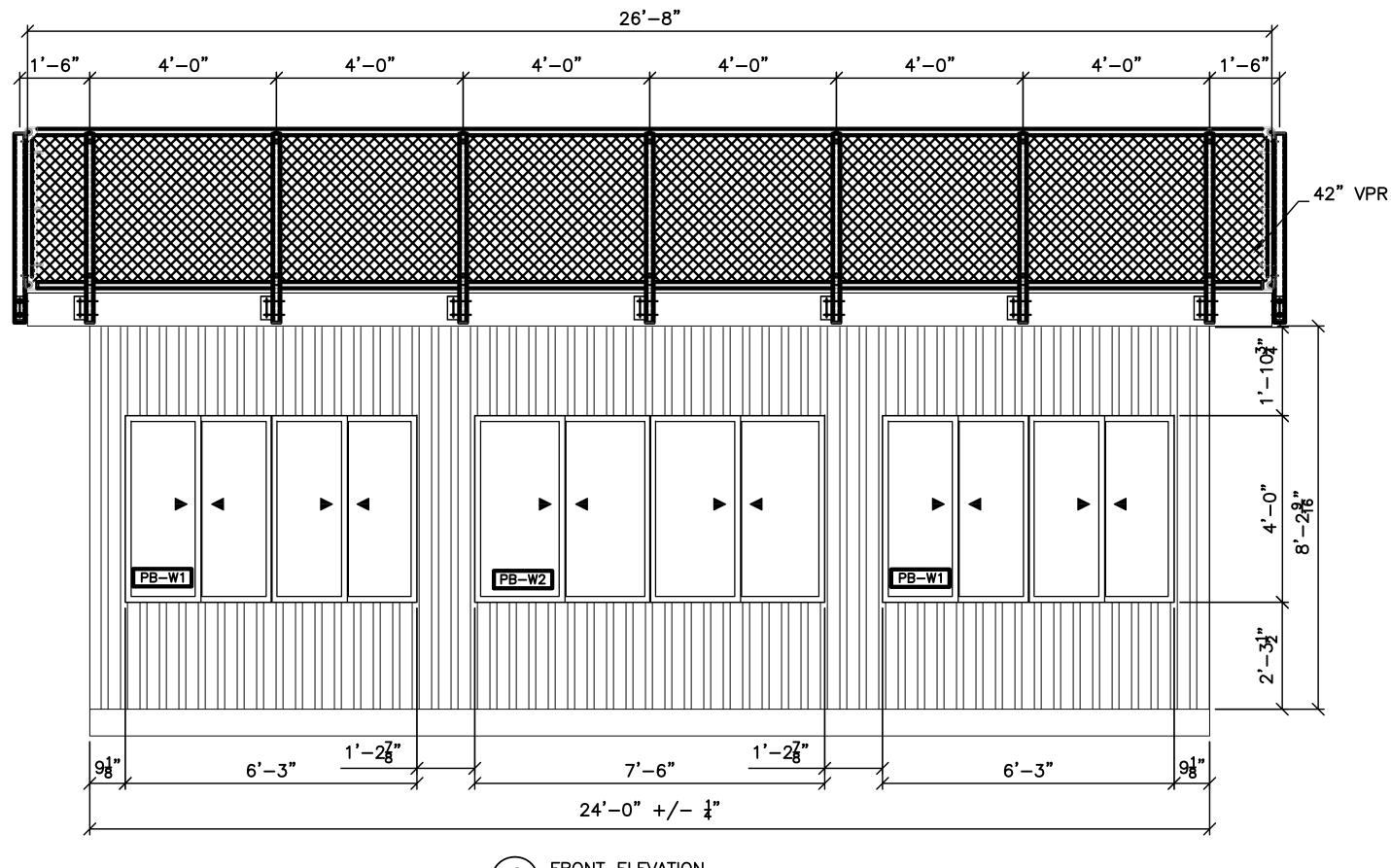
E (5) TUB OUT ( WITHIN S.	Engin 163 L 0218 www Bost	Associates, I neers and Pla IBBEY PARKW 9P 781.335.646 .gainc.com on Baltimore drawing and the desi tary to Gale Associat or part without the ex Inc	Inc. anners VAY   WEN 35 F 781.3 Orlando gn and constr tes, Inc. and s	YMOU 35.64 Hart uction fe hall not l	TH, MA 67 Iford Be eatures disck	edford osed are r reused in
		PER	MIT		SE1	
	PROJECT	SENIOR HIGH SCHOOL PUS RENOVATIONS	RY, MA 01527	OWNER	UBLIC SCHOOLS	RY, MA 01527
TION 2'X4' TROFFER 120/277V (2) 4' TUBE RECESSED LED LIGHT DIFFUSERS DIFON LOAD CENTER W/ MAIN DISCONNECT-120/240V.		ATHLETIC CAM	MILLBUF		MILLBURY F	MILLBU
AMP CAPACITY, SQ. 'D' #Q0124M100 NDUIT THRU FLOOR——100 AMP CAPACITY JIT THRU FLOOR		Σ				
TM873LA SPEC. GRADE, GROUNDING TYPE, 3-WAY SWITCH	· ·	· ·				· ·
R120 EMERGENCY COMBINATION EXIT/FLOOD LIGHT W/ MINIMUM 90 MIN. WALL MOUNT)	· · ·	· · ·		· · ·		· · · · · · · · · · · · · · · · · · ·
D LED COMBO EXIT/EMERGENCY LIGHT. PRODUCT #73442	NO. PRC	DATE		CRIPT	ION	BY
R20 SPEC. GRADE, GROUNDING TYPE, RECEPT TED OTHERWISE ERIES ELECTRIC PLUG STRIPS OMMUNICATION JACK COVERS 48" O.C. THRU FLOOR AT END-UP 14"	DES DRA CHE DAT	WING SCALE	KI DI JN 03	3/13/20: 2" = 1'	2	
OUTDOOR LED MOTION SECURITY LIGHT W/ DUSK TO DAWN SENSOR _ MOUNTED ABOVE THE CENTER OF THE DOOR.			SHEET TIT	LE		
IX-N0806 REMOTE EMERGENCY LIGHT HEAD		[	ESS I DETA ET 3	IL		
CCESS- 2X4 WATERPROOF FASCIA MOUNTED JUNCTION BOX IDUIT TO ENTRANCE PANEL FOR (FUTURE USE) RECEPTACLES IN WEATHERPROOF ENCLOSURES TO BE INSTALLED ON )	COMMON COMMON	MEALTH OF MASS	A CTUSETTS			
N 6'-0" ELECTRIC BASEBOARD HEATER WITH THERMOSTAT	A MAN	NO. 47862		44	OF	55

6

5

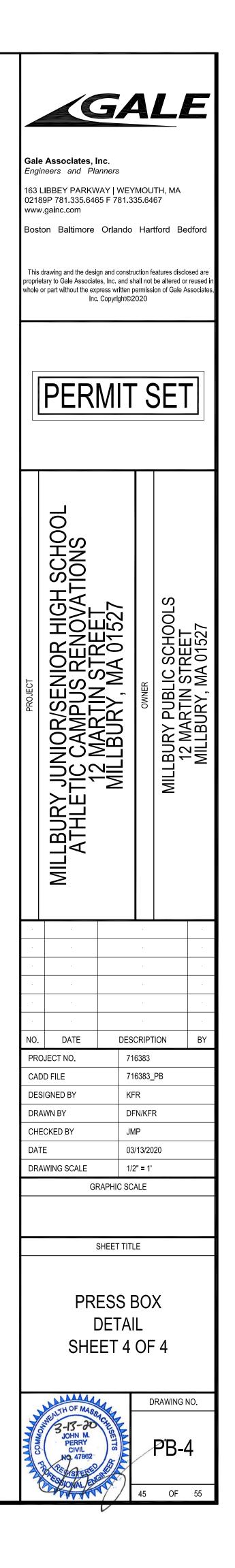


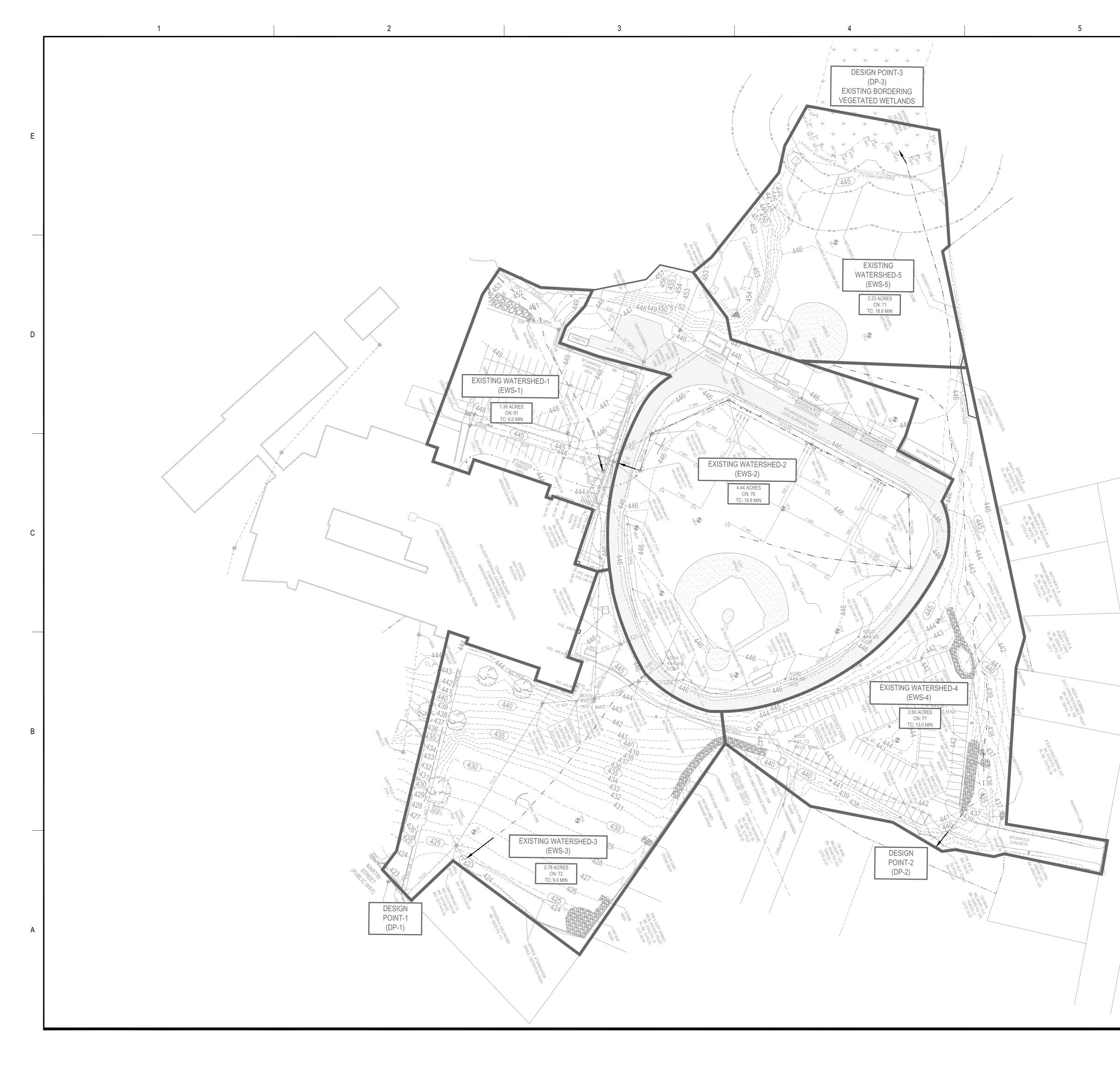


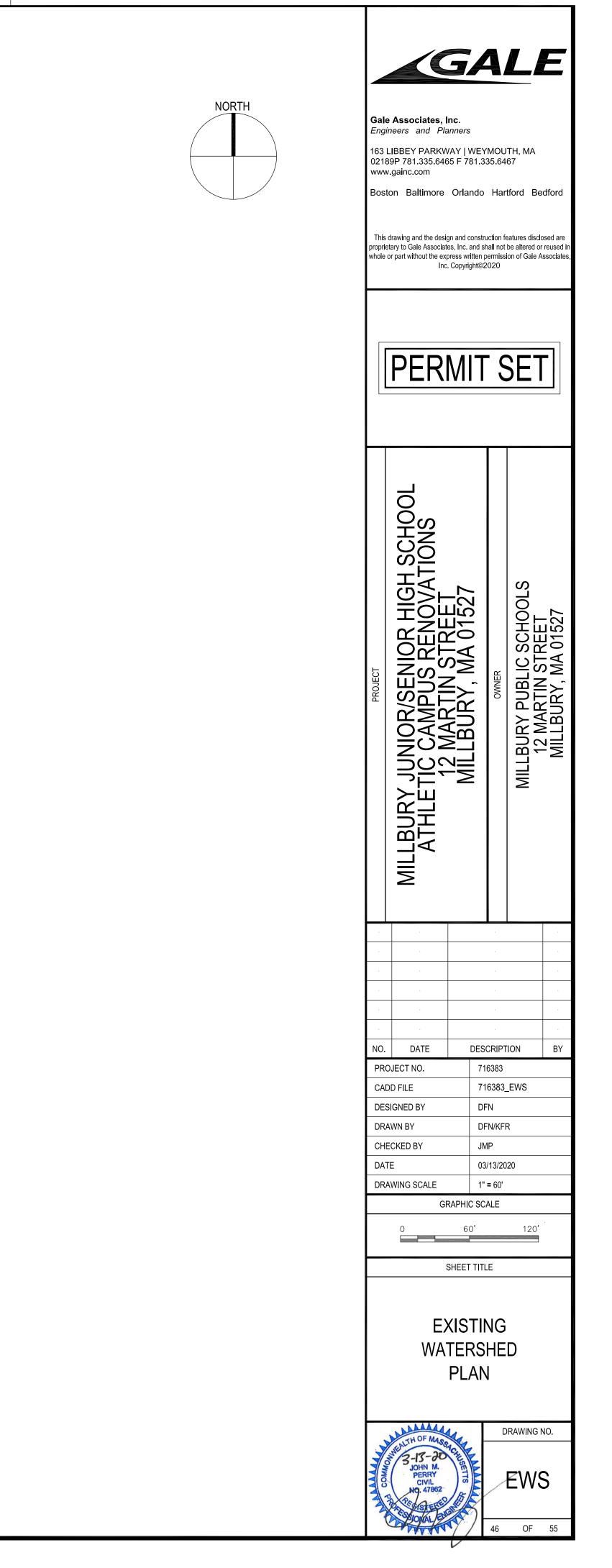


FRONT ELEVATION @ PRESS BOX

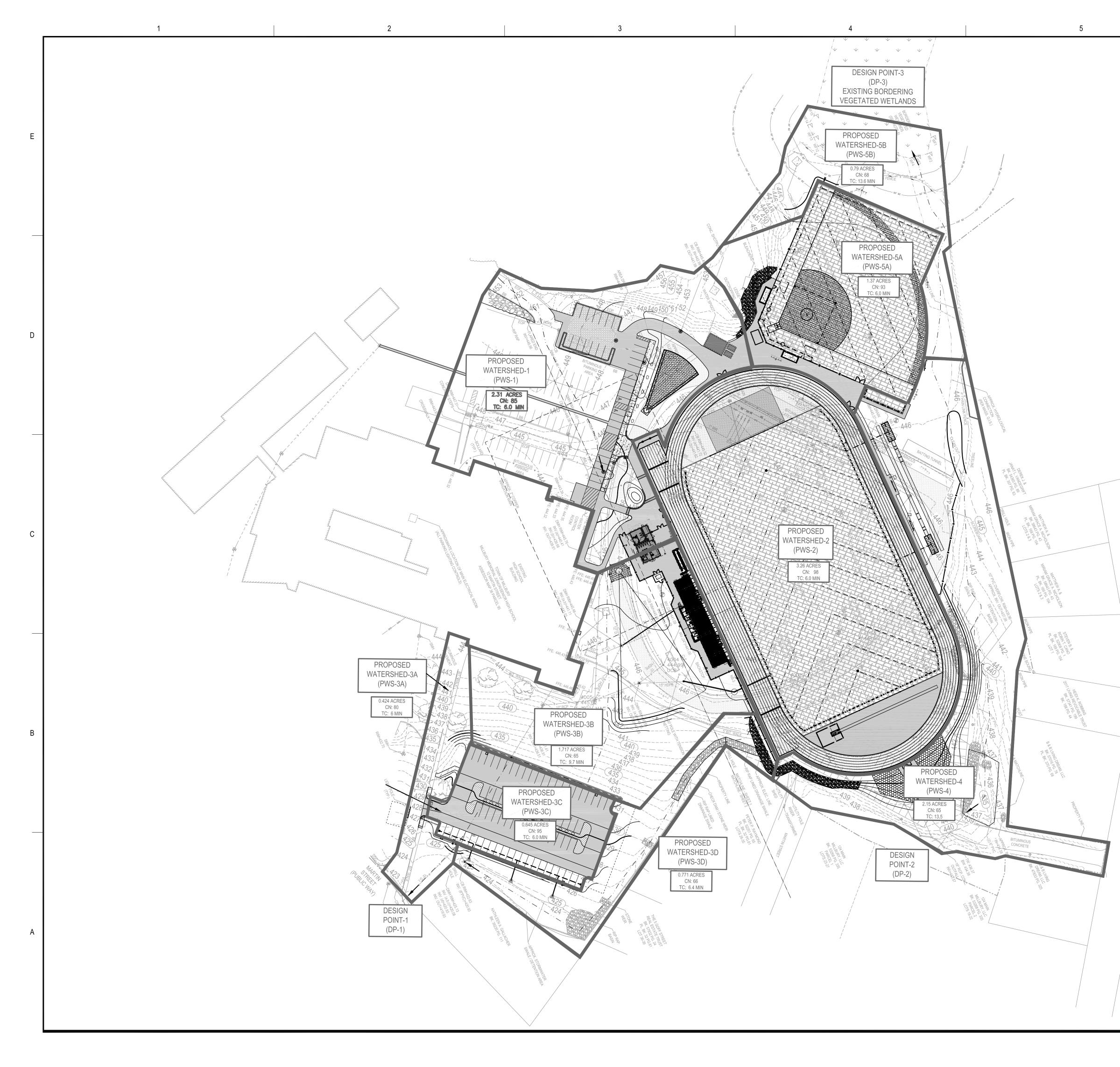
WINDOW SCHEDULE								
KEY	KEY WIDTH HEIGHT TYPE FRAME U-FACTOR SHGC							
PB-W1	PB-W1 6'-3" 4'-0" DOUBLE SLIDER VINYL .29 .29							
PB-W2	PB-W2 7'-6" 4'-0" DOUBLE SLIDER VINYL .29 .29							
PB-W3								
PB-W4	PB-W4 2'-0 <sup>3</sup> / <sub>8</sub> " 3'-6" GLASS ONLY N/A N/A N/A							
	MIN. NET VENTABLE AREA IS 4% OF TOTAL FLOOR SQ/FT = 192 X .04 = 7.7 SQ/FT							
MIN. NET GLAZED AREA SHALL BE NOT LESS THAN 8% TOTAL FLOOR SQ/FT = 192 X .08 = 15.4 SQ/FT								
PB-W2 - S	<ul> <li>PB-W1 - SOFT-LITE "BARRINGTON DSL7 HS", DOUBLE HORIZONTAL SLIDER WINDOWS W/ EXTRUDED VINYL FRAMES, AAMA STRUCTURAL RATING, W/ <sup>3</sup>/<sub>4</sub>" INSULATED LOW-E, ARGON FILLED TEMPERED GLASS W/ REMOVABLE INSECT SCREENS OR EQUAL. NATURAL LIGHT ALLOWED = 50 SQ/FT, VENTABLE AREA = 25 SQ/FT</li> <li>PB-W2 - SOFT-LITE "BARRINGTON DSL7 HS", DOUBLE HORIZONTAL SLIDER WINDOWS W/ EXTRUDED VINYL FRAMES, AAMA STRUCTURAL RATING, W/ <sup>3</sup>/<sub>4</sub>" INSULATED LOW-E, ARGON FILLED TEMPERED GLASS W/ REMOVABLE INSECT SCREENS OR EQUAL. NATURAL LIGHT ALLOWED = 25 SQ/FT, VENTABLE AREA = 12 SQ/FT</li> </ul>							
F	PB-W3 - SOFT-LITE "BARRINGTON DSL7 HS", FIXED FRAME PICTURE WINDOWS W/ EXTRUDED VINYL FRAMES, AAMA STRUCTURAL RATING, W/ ¾" INSULATED LOW-E, ARGON FILLED TEMPERED GLASS. NATURAL LIGHT ALLOWED = 7 SQ/FT							
+ *NOTE - (	IEADER. GLAZING DESI	GN PRESSURE =	OOW. INSERTED INTO PAF = 22 PSF MINIMUM NUFACTURERS INSTALLATIC		5 AT SAME HEIGH	T AS		



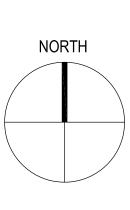


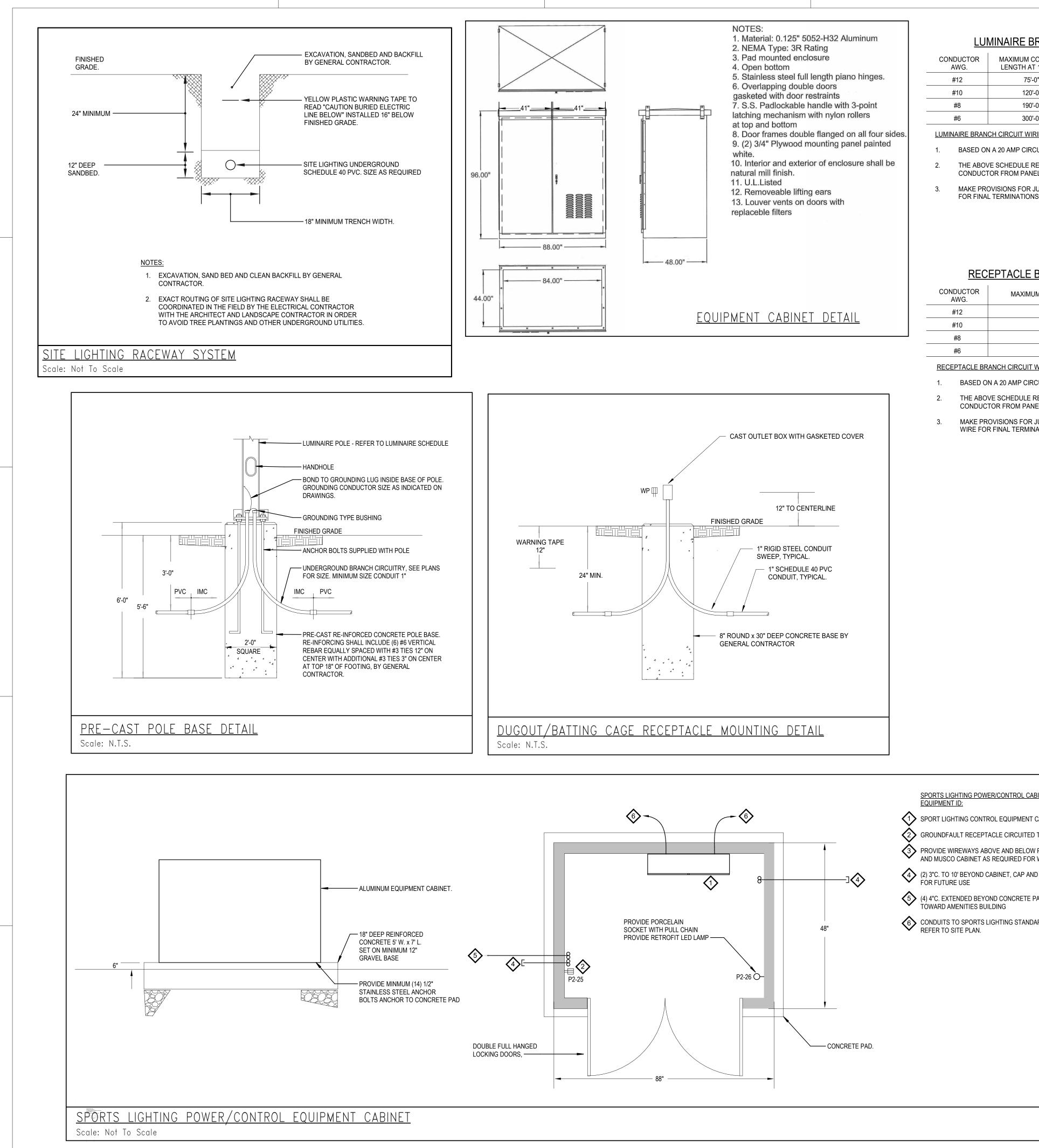


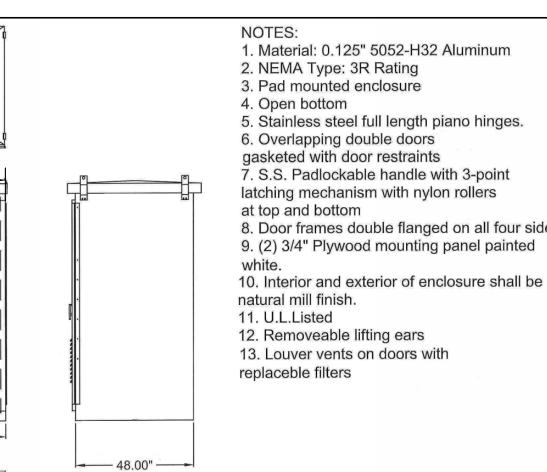




Eng 163 021 www Bos This propri	Gale Associates, Inc. Engineers and Planners 163 LIBBEY PARKWAY   WEYMOUTH, MA 02189P 781.335.6465 F 781.335.6467 www.gainc.com Boston Baltimore Orlando Hartford Bedford This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2020						
	PERMIT SET						
PROJECT	MILLBURY JUNIOR/SENIOR HIGH SCHOOL ATHLETIC CAMPUS RENOVATIONS	MILLBURY, MA 01527	OWNER	MILLBURY PUBLIC SCHOOLS	MILLBURY, MA 01527		
PR CA DE DR CH							
	SHEET TITLE PROPOSED WATERSHED PLAN						
COMPANY	JOHN M. JOHN M. PERRY CIVIL NO. 47862 P. SIONAL ON	A CALL OF THE ACTION					

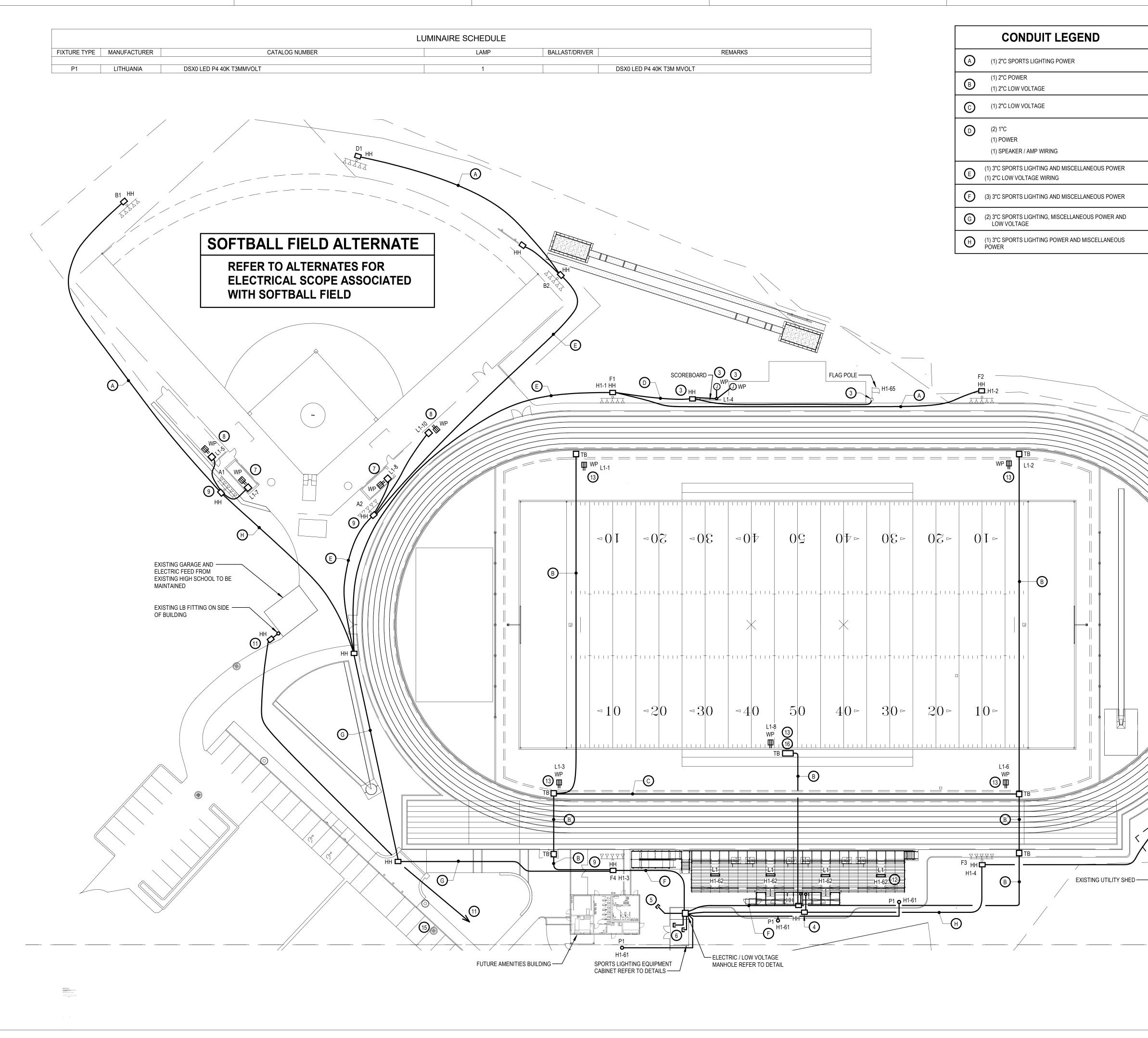






LUI	MINAIRE BRANCH CIF	RCUIT WIRING SCHE	DULE	RACEWAYS AND WIRING
CONDUCTOR AWG.	MAXIMUM CONDUCTOR LENGTH AT 120 VOLTS	MAXIMUM CONDUCTOR LENGTH AT 277 VOLTS	GROUND CONDUCTOR AWG.	(REFER TO SPECIFICATIONS FOR GROUND WIRE(S) NOT SHOWN ON DRAWINGS)
#12	75'-0" 120'-0"	175'-0" 285'-0"	#12 #10	LH1-1,3
#10	120-0	445'-0"	#10	HII - HOMERUN TO PANEL "LH1", CIRCUITS 1 AND 3. DIAGONAL LINES INDICATE NUMBER OF CONDUCTORS WHEN MORE THAN TWO. 163 LIBBEY PARKWAY   WEYMOUTH, MA 02189P 781.335.6465 F 781.335.6467 www.gainc.com
	300'-0"		#10	Boston Baltimore Orlando Hartford Bedford
	N A 20 AMP CIRCUIT LOADED TO		, 2 WIRE CIRCUITS.	LUMINAIRE AND OUTLET
	VE SCHEDULE REPRESENTS MIN TOR FROM PANEL TO CENTER C			Image: Second state of the second s
	OVISIONS FOR JUNCTION BOX A		NSITION TO #12 WIRE	POLE TOP PARKING/WALKWAY
				BOSTON MA C211-1308 TEL::::::::::::::::::::::::::::::::::::
				© 2020 Ball professer, Inc. All Afriph monored Darking and professer, Inc. All Afriph monored of Ball Counsig Express, Inc.
				LIGHTING ID AND CIRCUIT DESIGNATIONS
	EPTACLE BRANCH C	IRCUIT WIRING SCH		LR3 - LUMINAIRE TYPE b SWITCH CONTROL H1 8 - BRANCH CIPCUIT DESIGNATION
CONDUCTOR AWG.	MAXIMUM CONDUCTOR		GROUND CONDUCTOR AWG.	LH1-8 BRANCH CIRCUIT DESIGNATION
#12 #10	100' 165'		#12 #10	
#8	255 <sup>-</sup> 405 <sup>-</sup>		#10	RECEPTACLES
	RANCH CIRCUIT WIRING SCHEDU			CENTERLINE 18" A.F.F. EXCEPT AS NOTED, REFER TO SPECIFICATIONS FOR MANUFACTURER AND CATALOG NUMBER. NUMERAL INDICATES BRANCH CIRCUIT DESIGNATION.
	ON A 20 AMP CIRCUIT LOADED TO			
	VE SCHEDULE REPRESENTS MI TOR FROM PANEL TO CENTER (			DUPLEX WITH GROUND FAULT PROTECTION TO UPLEX WITH GROUND FAULT PROTECTION SNOT SNOT SNOT SNOT SNOT SNOT SNOT SN
	ROVISIONS FOR JUNCTION BOX A		NSITION TO #12	S27 SCHC
				A 01527 A 01527 A 01527 A 01527
				PANELBOARD       PANELBOARD         →       DISCONNECT SWITCH - FUSED         →       DISCONNECT SWITCH - UNFUSED         HH       HANDHOLE
				Image: Disconnect switch - UNFUSED     Image: Disconnect switch - UnFUSED       HH     HANDHOLE       TB     TURF BOX       T3     DBX TYPE TRANSFORMER - NUMERAL INDICATES SIZE REFER TO SCHEDULE
				T3     DRY TYPE TRANSFORMER - NUMERAL INDICATES SIZE, REFER TO SCHEDULE.
				TIME SWITCH
				JUNCTION BOX - CEILING MOUNTED.         JUNCTION BOX - WALL MOUNTED.
				PARTIAL LIST OF ABBREVIATIONS 1 mm/dd/yy
				AFF ABOVE FINISHED FLOOR MC MOTORIZED CURTAIN AWG AMERICAN WIRE GAUGE MI MINARAL INSULATED
				CL     CENTERLINE     MOD     MOTORIZED OVERHEAD DOOR       C     CONDUIT     MP     MOTORIZED PARTITION
				CB       CIRCUIT BREAKER       MPS       MOTORIZED PROJECTION SCREEN         EPO       EMERGENCY POWER OFF       MS       MOTORIZED SHADES         EWC       ELECTRIC WATER COOLER       MW       MICROWAVE
				FP     FIRE PROTECTION     NIC     NOT IN CONTRACT       G, GND     GROUND     PC     PLUMBING CONTRACTOR       GF     GROUND FAULT     ST     SHUNT TRIP
		]		HP     HORSEPOWER     UCR     UNDER COUNTER REFRIGERATOR       HVAC     HEATING VENTILATION AND AIR     WP     WEATHERPROOF       CONDITIONING     XFMR     TRANSFORMER
PORTS LIGHTING POW QUIPMENT ID:	ER/CONTROL CABINET			HWH     HOT WATER HEATER       KCM     THOUSAND CIRCULAR MILS
	ROL EQUIPMENT CABINET.			PROJECT NO. 6019880
ROUNDFAULT RECEPT	ACLE CIRCUITED TO "PL"			DESIGNED BY KJA
	BOVE AND BELOW PANELS S REQUIRED FOR WIRING			DRAWN BY     AKL       GENERAL NOTES     CHECKED BY     KJA
2) 3"C. TO 10' BEYOND ( OR FUTURE USE	CABINET, CAP AND STAKE			1.       UNLESS NOTED OTHERWISE, WHEREVER DESIGNATION "(EMPTY CONDUIT)" IS INDICATED       DATE       02/25/20         ADJACENT TO TITLE OF A PARTICULAR SYSTEM, WORK OF THIS CONTRACT SHALL       DRAWING SCALE       NONE
4) 4"C. EXTENDED BEYC OWARD AMENITIES BU				INCLUDE INSTALLATION OF EMPTY CONDUIT (WITH NYLON PULL CORD) AND BACK BOXES
CONDUITS TO SPORTS L	LIGHTING STANDARDS			PURPOSES ONLY, AND WILL BE FURNISHED AND INSTALLED BY OTHERS.
				ELECTRICAL DRAWING LIST
				DRAWING SHEET NUMBER
				NUMBER     DRAWING TITLE     INDEX     TOTAL       E000     ELECTRICAL LEGEND     1     6       E001     DOWED AND SYSTEMS SITE DIAN     0     0
				E001POWER AND SYSTEMS SITE PLAN26E002POWER AND SYSTEMS SITE PLAN PARKING36
				E201ELECTRICAL SPORTS LIGHTING DETAILS46E202ELECTRICAL DETAILS66E300ELECTRICAL SCHEDULES56
				E000

LUMINAIRE BRANCH CIRCUIT WIRING SCHEDULE	RACEWAYS AND WIRING	GA	
CONDUCTOR MAXIMUM CONDUCTOR MAXIMUM CONDUCTOR GROUND AWG. LENGTH AT 120 VOLTS LENGTH AT 277 VOLTS CONDUCTOR AW	(REFER TO SPECIFICATIONS FOR GROUND WIRE(S) NOT SHOWN ON DRAWINGS)		
AVG.         LENGTH AT 120 VOLTS         LENGTH AT 277 VOLTS         CONDUCTOR AW           #12         75'-0"         175'-0"         #12	(REFER TO SPECIFICATIONS FOR WIRE AND HOMERUN REQUIREMENTS).	Gale Associates, Inc . Engineers and Planners	
#10         120'-0"         285'-0"         #10           #8         190'-0"         445'-0"         #10	HOMERUN TO PANEL "LH1", CIRCUITS 1 AND 3. DIAGONAL LINES INDICATE NUMBER OF CONDUCTORS WHEN MORE THAN TWO.	163 LIBBEY PARKWAY   WEYM 02189P 781.335.6465 F 781.335 www.gainc.com	
#6 300'-0" #10		Boston Baltimore Orlando H	Hartford Bedford
LUMINAIRE BRANCH CIRCUIT WIRING SCHEDULES NOTES: 1. BASED ON A 20 AMP CIRCUIT LOADED TO 12 AMP USING SINGLE PHASE, 2 WIRE CIRCUITS.	LUMINAIRE AND OUTLET		
2. THE ABOVE SCHEDULE REPRESENTS MINIMUM CONDUCTOR SIZE BASED ON LENGTH OF		This drawing and the design and constructi proprietary to Gale Associates, Inc. and shall	not be altered or reused
<ul> <li>CONDUCTOR FROM PANEL TO CENTER OF LOAD TO OVERCOME VOLTAGE DROP.</li> <li>MAKE PROVISIONS FOR JUNCTION BOX ADJACENT TO OUTLET TO TRANSITION TO #12 WIRE</li> </ul>	→ POLE TOP PARKING/WALKWAY	whole or part without the express written perr Inc. Copyright©202	
FOR FINAL TERMINATIONS TO DEVICE AS REQUIRED.	LINEAR	BOSTON, MA 02111-1306	<b>L</b> A NGINEERS
		Think and took	ROSTON   BALTINGRE   WASHINGTON, DC
	LIGHTING ID AND CIRCUIT DESIGNATIONS		
RECEPTACLE BRANCH CIRCUIT WIRING SCHEDULE         CONDUCTOR         MAXIMUM CONDUCTOR LENGTH AT 120 VOLTS         GROUND	LR3 — LUMINAIRE TYPE b — SWITCH CONTROL LH1-8— BRANCH CIRCUIT DESIGNATION	BID S	
CONDUCTOR AWG.     MAXIMUM CONDUCTOR LENGTH AT 120 VOLTS     GROUND CONDUCTOR AW       #12     100'-0"     #12			
#12         100-0         #12           #10         165'-0"         #10			
#8         255'-0"         #10           #6         405'-0"         #10	<u>RECEPTACLES</u>		
RECEPTACLE BRANCH CIRCUIT WIRING SCHEDULES NOTES:	CENTERLINE 18" A.F.F. EXCEPT AS NOTED, REFER TO SPECIFICATIONS FOR MANUFACTURER AND CATALOG NUMBER. NUMERAL INDICATES BRANCH CIRCUIT DESIGNATION.		
1. BASED ON A 20 AMP CIRCUIT LOADED TO 9 AMP USING SINGLE PHASE, 2 WIRE CIRCUITS.			
2. THE ABOVE SCHEDULE REPRESENTS MINIMUM CONDUCTOR SIZE BASED ON LENGTH OF CONDUCTOR FROM PANEL TO CENTER OF LOAD TO OVERCOME VOLTAGE DROP.	DUPLEX WITH GROUND FAULT PROTECTION	HOOL	S
3. MAKE PROVISIONS FOR JUNCTION BOX ADJACENT TO OUTLET TO TRANSITION TO #12 WIRE FOR FINAL TERMINATIONS TO DEVICE AS REQUIRED.		CHC	
		HIGH SCHOOL RENOVATIONS STREET , MA	STREET
	MISCELLANEOUS	R HIGH S RENC S STRENC S S RENC S RENC	N STI
	PANELBOARD	Y JR / SR H CAMPUS MARTIN S MILLBURY	MILLBURY PUBLIC 12 MARTIN ST
	DISCONNECT SWITCH - FUSED      DISCONNECT SWITCH - UNFUSED	Y JR CAN MILL	LBURY PUBLI 12 MARTIN
	HANDHOLE	ETIC 0 N	12 12
	TB TURF BOX	MILLBURY ATHLETIC 12 12	W
	T3 DRY TYPE TRANSFORMER - NUMERAL INDICATES SIZE, REFER TO SCHEDULE.		
	TIME SWITCH JUNCTION BOX - CEILING MOUNTED.		
	$\neg \bigcirc$ JUNCTION BOX - WALL MOUNTED.		
	PARTIAL LIST OF ABBREVIATIONS	1 mm/dd/yy	
	AFF ABOVE FINISHED FLOOR MC MOTORIZED CURTAIN		
	AWG AMERICAN WIRE GAUGE MI MINARAL INSULATED CL CENTERLINE MOD MOTORIZED OVERHEAD DOOR		
	CCONDUITMPMOTORIZED PARTITIONCBCIRCUIT BREAKERMPSMOTORIZED PROJECTION SCREENEPOEMERGENCY POWER OFFMSMOTORIZED SHADES		
	EWCELECTRIC WATER COOLERMWMICROWAVEFPFIRE PROTECTIONNICNOT IN CONTRACTG, GNDGROUNDPCPLUMBING CONTRACTOR		
	GF GROUND FAULT ST SHUNT TRIP HP HORSEPOWER UCR UNDER COUNTER REFRIGERATOR		
	HVAC HEATING VENTILATION AND AIR WP WEATHERPROOF CONDITIONING XFMR TRANSFORMER HWH HOT WATER HEATER		
ORTS LIGHTING POWER/CONTROL CABINET_ UIPMENT ID:	KCM THOUSAND CIRCULAR MILS		
		PROJECT NO. 6019	
ROUNDFAULT RECEPTACLE CIRCUITED TO "PL"		DESIGNED BY KJA DRAWN BY AKL	
ID MUSCO CABINET AS REQUIRED FOR WIRING	GENERAL NOTES	CHECKED BY KJA	
3"C. TO 10' BEYOND CABINET, CAP AND STAKE OR FUTURE USE	1. UNLESS NOTED OTHERWISE, WHEREVER DESIGNATION "(EMPTY CONDUIT)" IS INDICATED ADJACENT TO TITLE OF A PARTICULAR SYSTEM, WORK OF THIS CONTRACT SHALL	DATE 02/2 DRAWING SCALE NON	:5/20 IF
4"C. EXTENDED BEYOND CONCRETE PAD WARD AMENITIES BUILDING	INCLUDE INSTALLATION OF EMPTY CONDUIT (WITH NYLON PULL CORD) AND BACK BOXES FOR THAT PARTICULAR SYSTEM ONLY. ANY SYSTEMS ARE SHOWN FOR INFORMATIONAL		· <b>_</b>
NDUITS TO SPORTS LIGHTING STANDARDS FER TO SITE PLAN.	PURPOSES ONLY, AND WILL BE FURNISHED AND INSTALLED BY OTHERS.		
	ELECTRICAL DRAWING LIST         DRAWING         SHEET NUMBER		
	NUMBER     DRAWING TITLE     INDEX     TOTAL		
	E000ELECTRICAL LEGEND16E001POWER AND SYSTEMS SITE PLAN26E002POWER AND SYSTEMS SITE PLAN PARKING36	ELECTRICAL LE	EGEND
	E002POWER AND SYSTEMS SITE PLAN PARKING36E201ELECTRICAL SPORTS LIGHTING DETAILS46E202ELECTRICAL DETAILS66		
	E202ELECTRICAL DETAILS66E300ELECTRICAL SCHEDULES56		
			E000



D
EOUS POWER
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S POWER AND
CELLANEOUS

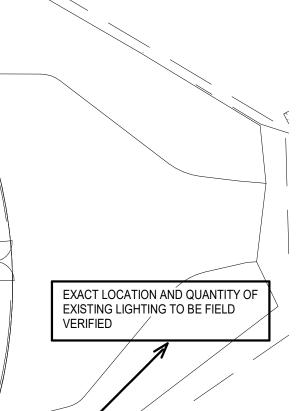
- NOTES:
- O COORDINATE EXACT ROUTING OF ALL CONDUITS, HANDHOLE (HH) AND FEEDS TO MISCELLANEOUS SITE EQUIPMENT PRIOR TO ROUGHING.
- 2 ALL UNDERGROUND RACEWAYS SHALL BE PROVIDED WITH WARNING TAPE A MINIMUM 12" BELOW FINISHED GRADE ABOVE ALL RACEWAYS.
- (3) HANDHOLE TO SERVE FLAG POLE LIGHTING AND SCOREBOARD. PROVIDE 1" C FROM HANDHOLE TO FLAG POLE AND (2) 1"C TO SCOREBOARD, ONE FOR SCOREBOARD POWER AND ONE FOR SPEAKER POWER. AT SCOREBOARD CONVERT PVC TO RIGID STEEL BELOW GRADE, PROVIDE DISCONNECT SWITCH MOUNTED TO SCOREBOARD SUPPORT STRUCTURE.
- (4) HANDHOLE TO SERVE PRESSBOX, REFER TO DETAIL.
- (4) 4"C EXTENDED BEYOND EQUIPMENT PAD TOWARD AMENITIES BUILDING, (3) 4"C POWER, (1) 4"C LOW VOLTAGE.
- (3) 3"C FROM EQUIPMENT CABINET FOR SPORTS LIGHTING CIRCUITS FROM SPORTS LIGHTING EQUIPMENT CABINET. (1) 3"C FOR LOW VOLTAGE WIRING.
- **O** GROUNDFAULT RECEPTACLE FOR DUGOUT, REFER TO DETAIL, COORDINATE EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGHING.
- 8 GROUNDFAULT RECEPTACLE FOR BATTING CAGE, REFER TO DETAIL, COORDINATE EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGHING.
- SPORTS LIGHTING POLE A1 AND A2 PROVIDE 20A 1P 277V. CIRCUIT VIA TIME SWITCH FOR WALKWAY LUMINAIRE MOUNTED TO SPORTS LIGHTING STRUCTURE.
- (10) EXISTING UTILITY RISER POLE, PAD MOUNTED TRANSFORMER AND UTILITY SHED TO BE REMOVED. COORDINATE THE SHUTDOWN AND REMOVAL OF EXISTING UTILITY POLE AND TRANSFORMER WITH UTILITY CO. COORDINATE THE REMOVAL OF ALL FEEDERS TO EXISTING SPORTS LIGHTING AND SITE SLATED FOR REMOVAL. REFER TO DEMOLITION AND EROSION CONTROL PLAN DRAWING C003 FOR ADDITIONAL INFORMATION.
- PROVIDE NEW HANDHOLE, 2"C UNDERGROUND CONDUIT, 3 #4, 1#4G TO EXISTING HIGH SCHOOL, SPLICE TO EXISTING FEEDER IN EXISTING PULLBOX WITHIN BUILDING REFER TO PHOTOS ON DRAWING E202.
- 12 TYPE "L1" LUMINAIRES MOUNTED UNDER BLEACHERS, PROVIDE STAINLESS STEEL UNISTRUT FOR MOUNTING. L1 LUMINAIRES SHALL BE FED FROM PRESSBOX LOAD CENTER VIA TIME SWITCH WIRING UNDER BLEACHERS SHALL BE IN GALVANIZED RIGID STEEL CONDUIT, CONNECTION TO LUMINAIRE SHALL BE MADE WITH LIQUID SEAL TITE.
- 13 TURF BOX FURNISHED BY TURF SUPPLIER, GROUNDFAULT DEVICE MOUNTED WITHIN TURF BOX WITH WEATHERPROOF COVER. STUB LOW VOLTAGE AND /OR SPARE CONDUITS 4" ABOVE FINISHED GRADE PROVIDE CAP ON CONDUITS.
- 1 1/4" C FOR CIRCUITRY TO EXISTING LIGHTING ALONG ACCESS ROAD TO REMAIN, PROVIDE 2#6, 1#6 FROM PANELBAORD L1-9 VIA TIME CLOCK.
- DISCONNECT AND REMOVE CIRCUITRY ASSOCIATED WITH EXISTING IRRIGATION SYSTEM, REFER TO PHOTOS ON DRAWING E202.
- TURF BOX FOR MICROPHONE PORT.

-(10)

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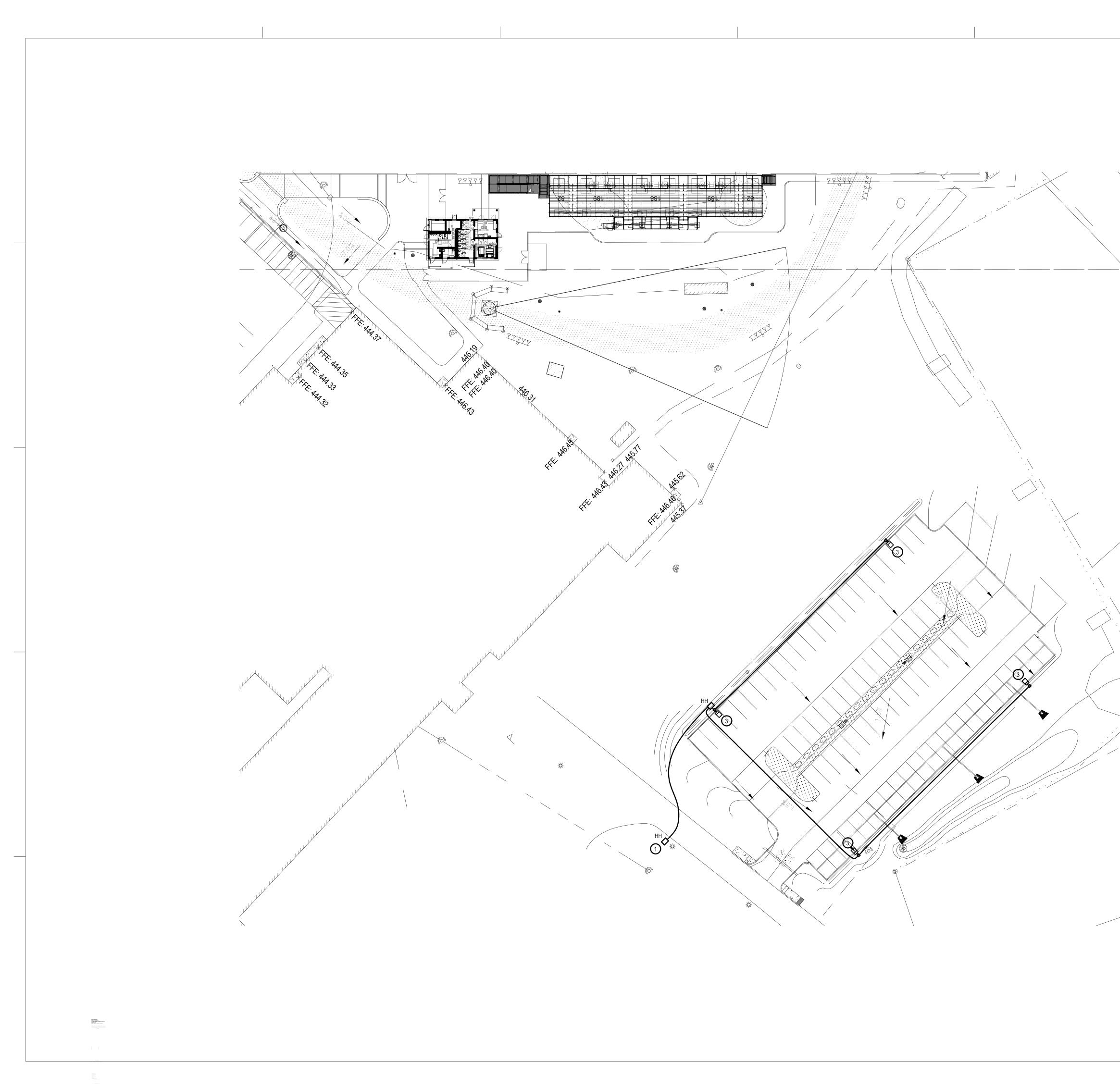
 $\langle | | | | | \rangle$ 

DISCONNECT AND REMOVE (6) EXISTING PARKING LOT FIXTURES, (4) TO BE RE-INSTALLED AT NEW PARKING AREA SEE DRAWING E002, (2) TO BE TURNED OVER TO OWNER.



MILLBURY, MA 01527 MILLBURY, MA ATHLETIC CAMPUS RENOVATIONS ATHLETIC CAMPUS RENOVATION		written permission of Gale Associates yright©2020 BALLAS ENGINEERS ALCOME (101901 (1015) (101900 (101901)) ALCOME (101901 (1015) (101900 (101901)) ALCOME (101901 (1019) (10190) (101901)) ALCOME (101901 (1019) (10190) (101901)) ALCOME (101901 (1019) (10190) (101901)) ALCOME (101901 (1019) (10190) (10190) (10190) ALCOME (101901 (1019) (10190) (1019
DESIGNED BY     KJA       DRAWN BY     ERA       CHECKED BY     KJA	MILLBURY JR / SR HIGH SCHOOL ATHLETIC CAMPUS RENOVATIONS 12 MARTIN STREET	MILLBURY, MA MILLBURY PUBLIC SCHOOLS 12 MARTIN STREET MILLBURY, MA 01527
DATE         02/25/20           DRAWING SCALE         1" = 30'-0"	DESIGNED BY DRAWN BY CHECKED BY DATE	KJA         ERA         KJA         02/25/20

GALE



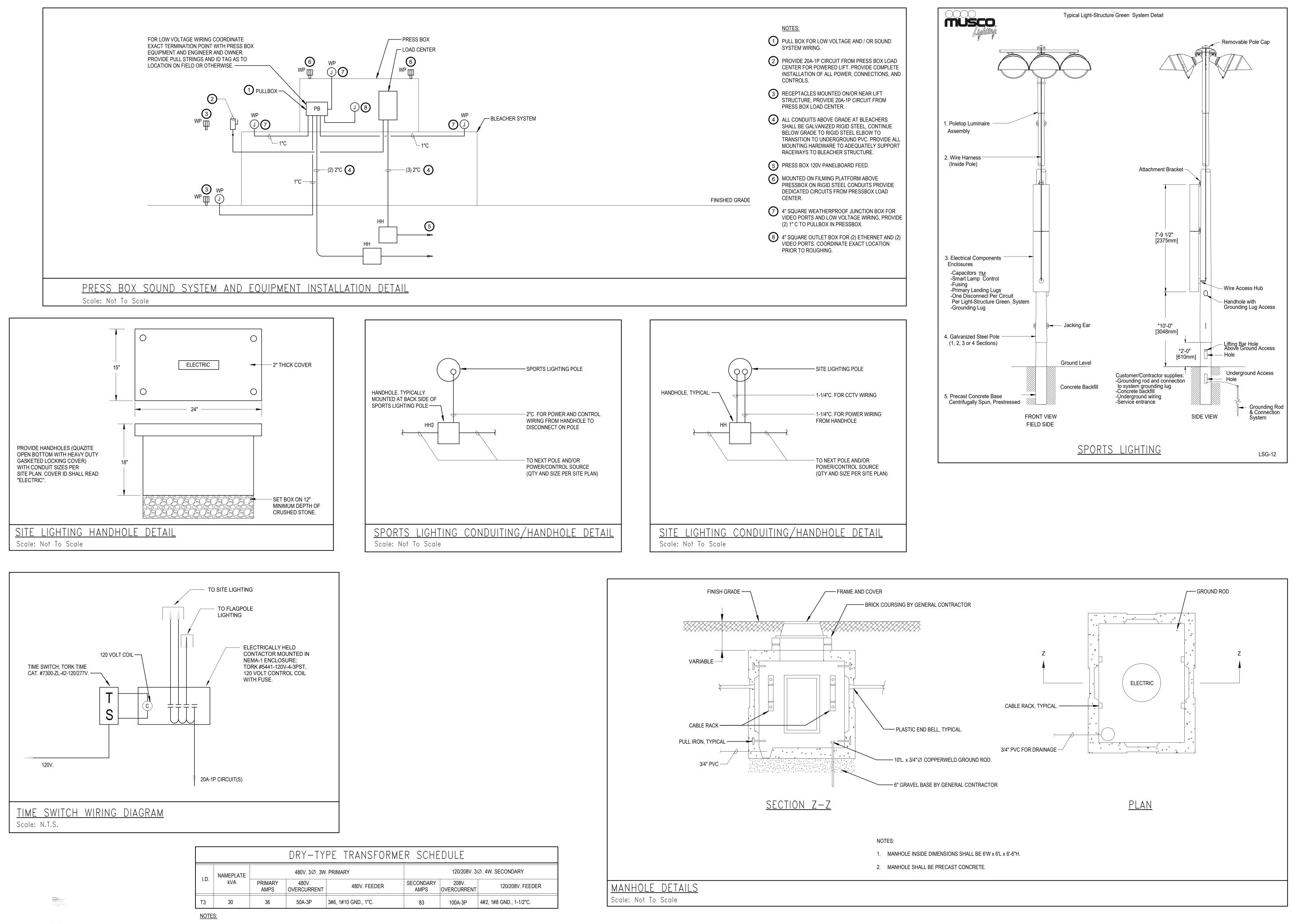
BAAPROJECT NUK 6 200 Base Consulting Express of Base Consulting Express. In The Consulting Express. In IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	ers Inc. All rights reserved	
MILLBURY JR / SR HIGH SCHOOL ATHLETIC CAMPUS RENOVATIONS	12 MARTIN STREET MILLBURY, MA	MILLBURY PUBLIC SCHOOLS 12 MARTIN STREET
PROJECT NO. DESIGNED BY DRAWN BY CHECKED BY DATE DRAWING SCA		4

EXISTING PARKING LOT FIXTURE RELOCATED. CONFIRM EXISTING BOLT CIRCLE, PROVIDE NEW ANCHOR BOLTS IN NEW POLE BOXES.

NOTES:

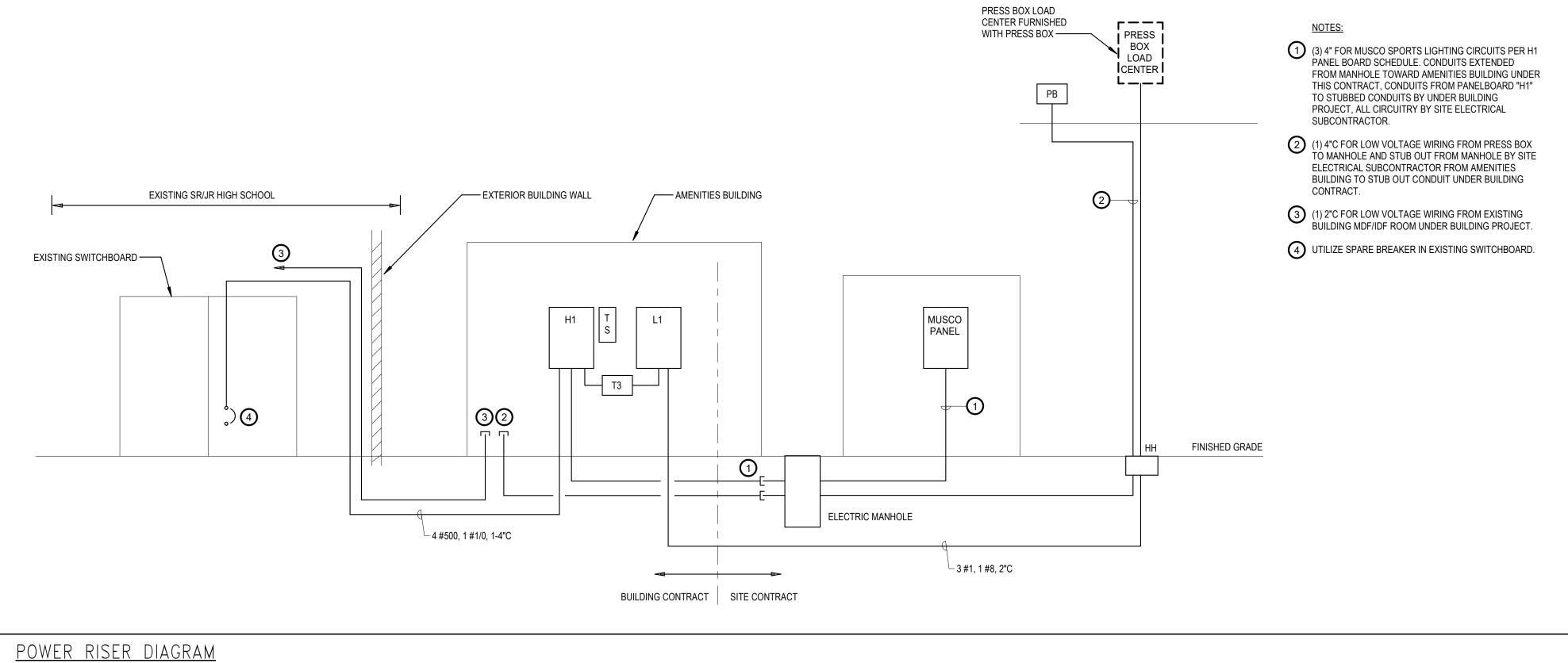
PROVIDE HANDHOLE TO INTERCEPT EXISTING SITE LIGHTING CIRCUIT , EXTEND CIRCUIT TO LUMINAIRES AT NEW PARKING LOT. 2 MINIMUM SIZE WIRE SHALL BE #8 AWG.





480V. 3Ø. 3W. PRIMARY 120/208V						
I.D.	kVA	PRIMARY AMPS	480V. OVERCURRENT	480V. FEEDER	SECONDARY AMPS	208V. OVERCURREN
T3         30         36         50A-3P         3#6, 1#10 GND., 1"C.         83         100A-3P						

G						
Gale Associates, Inc . Engineers and Planner 163 LIBBEY PARKWAY   02189P 781.335.6465 F www.gainc.com Boston Baltimore Orla	WEYMOUTH, MA					
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BID	SET					
MILLBURY JR / SR HIGH SCHOOL ATHLETIC CAMPUS RENOVATIONS 12 MARTIN STREET	MILLBURY PUBLIC SCHOOLS 12 MARTIN STREET MILLBURY, MA 01527					
PROJECT NO. DESIGNED BY	6019880 KJA					
DRAWN BY CHECKED BY	AKL KJA					
DATE DRAWING SCALE	02/25/20 NONE					
	ELECTRICAL SPORTS LIGHTING DETAILS					
	E201					





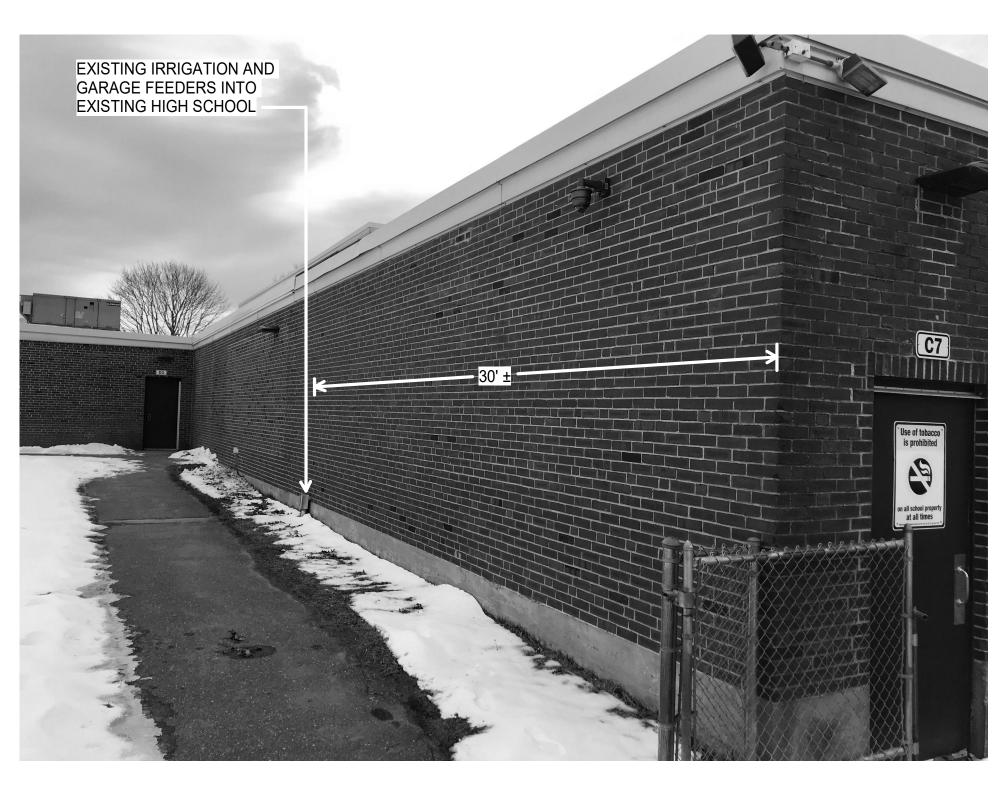
Scale: Not To Scale

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## **EXISTING IRRIGATION AND GARAGE** LB AND WIREWAY WITHIN EXISTING HIGH SCHOOL

# **EXISTING IRRIGATION AND GARAGE FEEDER** ENTRY @ EXISTING HIGH SCHOOL









G	ALE
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BALA CONSULTING ENGINEERS, INC. SX TEMPE PLACE BOCTOM, MA KUT HONG THOMAN AND AND AND AND AND AND AND AND WWW.BALA.COM BALA PROJECT NUMBER: PALO	BACLES ENGINEERS UNIT (INTERIOR INTERIOR INTERIOR UNIT (INTERIOR INTERIOR
BIDS	SET
MILLBURY JR / SR HIGH SCHOOL ATHLETIC CAMPUS RENOVATIONS 12 MARTIN STREET MILLBURY, MA	MILLBURY PUBLIC SCHOOLS 12 MARTIN STREET MILLBURY, MA 01527
PROJECT NO. DESIGNED BY	6019880 KJA ERA
DRAWN BY CHECKED BY DATE	KJA 02/25/20
DRAWING SCALE	NONE
ELECTRICAL	DETAILS
	E202

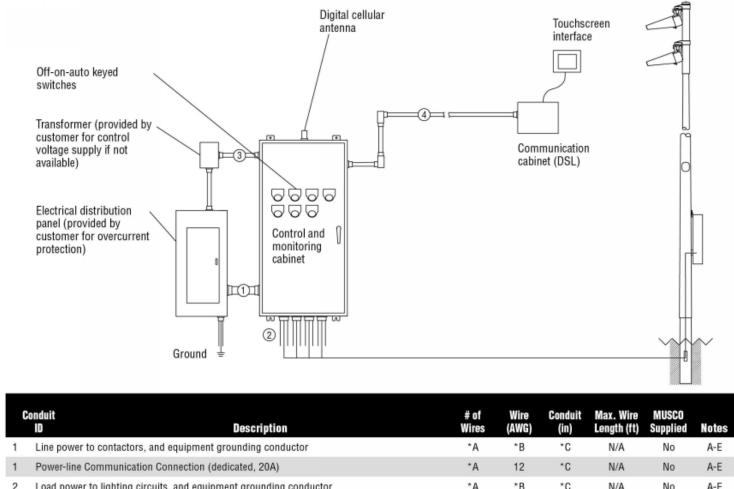
Field/Zone Description	Zones
FB/SO 1	1
Softball	2
Security	3

CONTROL PO	WER CONSUMPTION								
120V Single Phase									
	INRUSH: 3513.0								
of Musco									
Supplied	SEALED: 387.8								

Equipment

CIRCUIT SUMMARY BY ZONE											
POLE	CIRCUIT DESCRIPTION	# OF FIXTURES	# OF DRIVERS	*FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	ZON				
F1	FB/SO 1	8	8	15.3	30	C1	1				
F2	FB/SO 1	8	8	15.3	30	C2	1				
F3	FB/SO 1	8	8	15.3	30	C3	1				
F4	FB/SO 1	8	8	15.3	30	C4	1				
A1	Softball	0	0	0.0	30	C5	2				
A2	Softball	0	0	0.0	30	C6	2				
B1	Softball	0	0	0.0	30	C7	2				
B2	Softball	0	0	0.0	30	C8	2				
D1	Softball	0	0	0.0	30	C9	2				
F4	Walkway	2	1	1.7	30	C10	3				
A1	Walkway	0	0	0.0	30	C11	3				
A2	Walkway	0	0	0.0	30	C12	3				





2	Load power to lighting circuits, and equipment grounding conductor	*A	*В	*C	N/A	No	A-E
3	Control power (dedicated, 20A)	3	12	*C	N/A	No	C,E
4	Communication cable to touchscreen	*F	*F	*C	1500	No	C,E,F

<b></b>	Ļ						HEDULE		
		POLE	F	ORCES	(1.)		DRILI	ED PIER	
		DESIGNATION	MOMENT (M) FT-LBS	SHEAR (V) LBS	VERTICAL (P) LBS	DIAMETER INCHES	EMBEDMENT DEPTH	SUSPENSION "Y" (2.)	CONCRETE BACKFILL YD <sup>3</sup> (3.)
	Γ	A1, A2	38,075	1,048	1,132	48	14'-0"	4'-0"	5.4
LIGHTING	[	B1, B2	67,202	1,573	1,946	36	17'-0"	3'-0"	3.4
LE ID)	_ [	D1	34,553	1,059	1,013	48	14'-0"	4'-0"	5.4
	- [	F1	146,772	2,880	4,037	36	21'-0"	3'-0"	3.7
· _		F2	146,772	2,880	4,037	48	18'-0"	NA	6.1
		F3	155,216	2,989	4,150	36	18'-0"	NA	2.9
5		F4	165,197	3,111	4,271	36	18'-0"	NA	2.9
	_	W	T AND CURIN	IG. NA = NO DLUME, SITE PR AST TYPE BAS B 1,	T APPLICABLE CONDITIONS	BASE	N NOT REQUIF	RED.	OUTSIDE DIAMETER 12.00" 15.75"
	PRECAST BASE MUSCO LIGHTI	BY	68	в 6,	930 LBS	26'-1"	8'-1"	18'-0"	20.56"
	(SEE POLE ID)		[		POLE	E IDEN	TIFICAT	ION	
	SUSPEND PREC	F EXCAVATION LITHIC CONC.	DE	POLE	POL TYP		CON		FIXTURE AND ACCESSORIES EPA (FT <sup>2</sup> )
	BACKFILL PLAC	EMENT AND		A1, A2	LSS6	0A 2	3	5 (3)	10.7
				B1, B2	LSS7	0C 4	3	5 (5)	10.7
	DRILLED PIER DIA (SEE POLE FNDT)			D1	LSS60	AA 2	3	6 (3)	11.7
	(	·····		F1, F2	LSS8	0C 6	3	11 (5+4)	29.4
OLE FOUR	NDATION EL	EV.		F3	LSS8	0C 6	3	12 (5+5)	32.3
CALE: NOT TO SCAL	E			F4	LSS8	0C 6	3 14	(5+5) / (2)	35.5
SOIL, WITH A CLAS BETTER. COMPAC	T OF ANNULUS SHALL B SIFICATION OF CLASS 5 TION, 95% FOR COHESIV ESS SOIL BASED UPON	(TABLE 1806.2) OR /E SOIL AND 98%	- POLES - POLE D	A1 & A2 HAV	/E (1) LED FIXT ED FIXTURES A	TURE AT 15'-6 AT 15'-6" AGL	" AGL, INCLUD " AGL, INCLUD INCLUDED AB 6" AGL, INCLUE	ed above. Ove.	

JSE OR REPRODUCTION OF THIS INFORMATION OTHER THAN ITS INTENDED PURPOSE FOR THIS PROJECT IS PROHIBITED WITHOUT WRITTEN CONSEN

		PANEL SUMMARY			
ITROL DULE ATION	CONTACTOR ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	DISTRIBUTION PANEL ID (BY OTHERS)	CIRCUIT BREAKER POSITION (BY OTHERS)
1	C1	Pole F1	15.33		
1	C2	Pole F2	15.33		
1	C3	Pole F3	15.33		
1	C4	Pole F4	15.33		
1	C5	Pole A1	0.00		
1	C6	Pole A2	0.00		
1	C7	Pole B1	0.00		
1	C8	Pole B2	0.00		
1	C9	Pole D1	0.00		
1	C10	Pole F4	1.73		
1	C11	Pole A1	0.00		
1	C12	Pole A2	0.00		

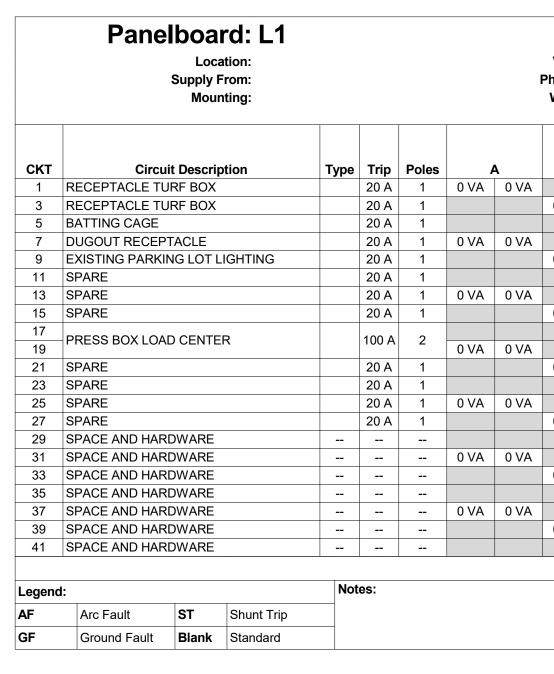
	ZONE SCHEDULE													
	CIRCUIT DESCRIPTION													
ZONE	SELECTOR SWITCH	ZONE DESCRIPTION	POLE ID	CONTACTOR ID										
Zone 1	1	FB/SO 1	F1	C1										
			F2	C2										
			F3	C3										
			F4	C4										
Zone 2	2	Softball	A1	C5										
			A2	C6										
		ALTERNATE	B1	C7										
			B2	C8										
			D1	C9										
Zone 3	3	Walkway	F4	C10										
			A1	C11										
			A2	C12										

DESIGN NOTES	
N PARAMETERS: V <sub>ult</sub> = 125 MPH, V <sub>asd</sub> = 97 MPH (EXPOSURE C, RISK CATEGORY II) PER CHUSETTS STATE BUILDING CODE - 780 CMR, 9TH EDITION (IBC 2015 / ASCE 7-10).	SH SH
<u>CCHNICAL PARAMETERS:</u> /ABLE END BEARING SOIL PRESSURE: 2,500 PSF /ABLE LATERAL SOIL BEARING PRESSURE: PSF/FT (GRADE TO -2'-0"); VARIES, SEE SOIL REPORT (BELOW -2'-0") /ORDANCE WITH MASSACHUSETTS STATE BUILDING CODE - 780 CMR, 9TH EDITION, /ER 18.	MILLBURY JNIOR SENIOR FIELD LIGHTING MILLBURY, MA
N SOIL PARAMETERS ARE AS NOTED. ACTUAL ALLOWABLE SOIL PARAMETERS BE VERIFIED ON SITE. REFERENCE SOILS AND FOUNDATION REPORT, NO. 00, PREPARED BY NOBIS GROUP; CONCORD, NH.	MILLE
TECHNICAL ENGINEER OR REPRESENTATIVE OF IS RECOMMENDED (NOT RED) TO BE AVAILABLE AT THE TIME OF THE FOUNDATION INSTALLATION TO Y THE SOIL DESIGN PARAMETERS AND TO PROVIDE ASSISTANCE IF ANY EMS ARISE IN FOUNDATION INSTALLATION.	n U L
UNTERING SOIL FORMATIONS THAT WILL REQUIRE SPECIAL DESIGN DERATIONS OR EXCAVATION PROCEDURES MAY OCCUR. POLE FOUNDATIONS IEED TO BE ANALYZED ACCORDING TO THE SOIL CONDITIONS THAT EXIST. IF ISCREPANCIES OR INCONSISTENCIES ARISE, NOTIFY THE ENGINEER OF SUCH EPANCIES. FOUNDATIONS WILL THEN BE REVISED ACCORDINGLY. REVISIONS E ANALYZED PER RECOMMENDATIONS DIRECTED BY A REGISTERED ENGINEER.	AVE WEST 52577 020
CAVATIONS MUST BE FREE OF LOOSE SOIL AND DEBRIS PRIOR TO DATION INSTALLATION AND CONCRETE BACKFILL PLACEMENT. TEMPORARY GS OR DRILLERS SLURRY MAY BE USED TO STABILIZE THE EXCAVATION DURING LATION. CASINGS MUST BE REMOVED DURING CONCRETE BACKFILL PLACEMENT. RETE BACKFILL MUST BE PLACED WITH A TREMIE WHEN SLURRY OR WATER IS INT WITHIN THE EXCAVATION OR WHEN THE FREE DROP EXCEEDS 6'-0".	CORPORATE: 100 1" OSKALDOSA, IA (800) 825-6
RACTOR MUST BE FAMILIAR WITH THE COMPLETE SOIL INVESTIGATION REPORT ORINGS, AND CONTACT THE GEOTECHNICAL FIRM (IF NECESSARY) TO RSTAND THE SOIL CONDITIONS AND THE POSSIBILITY OF GROUND WATER NG AND EXCAVATION STABILIZATION OR BRACING DURING PRECAST BASE LATION AND PLACEMENT OF CONCRETE BACKFILL.	L P.C. <sup>50158</sup> <sup>812</sup>
RETE: RETE SHALL BE AIR-ENTRAINED AND HAVE A MINIMUM COMPRESSIVE DESIGN IGTH AT 28 DAYS OF 3,000 PSI. 3,000 PSI CONCRETE SPECIFIED FOR EARLY POLE ION, ACTUAL REQUIRED MINIMUM ALLOWABLE CONCRETE STRENGTH IS 'SI. ALL PIERS AND CONCRETE BACKFILL MUST BEAR ON AND AGAINST FIRM TURBED SOIL.	STRUCTURA ENGINEERS, 114 NICHOLAS DRIVE MARSHALLTOWN, IOWA PHONE NUMBER: 641-752 EMAIL: MSL.INFO@SEPC.
RAL NOTES: RES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE ANY OBSTRUCTION. ENGINEER MUST BE NOTIFIED IF FOUNDATIONS ARE NEAR ETAINING WALLS OR WITHIN / NEAR ANY SLOPES STEEPER THAN 3H : 1V. POLES, RES, PRECAST BASES, ELECTRICAL ITEMS AND INSTALLATION PER MUSCO NG.	
	E COUNDATI
TEALTHOF MASS	DRAWING TITLE: POLE AND FOUNDATION SCALE: SEE PLAN NOTES: SCAN #203506A
S KYLE G. LACINA S STRUCTURAL	PROJECT NUMBER 203506
No. 46148	DATE 29 JANUARY 2020 DRAWING NUMBER
1 12/201-2020	C1

OF ONE

		Loca Supply F Mour	From:						Phases: Wires:						Mai	<b>c. Rating:</b> 35K ins Type: 400 A s Rating: 400 A	
<b>СКТ</b>		uit Descrip		Туре	Trip	Poles	0 VA	<b>A</b> 0 VA		3	(	<b>)</b>	Poles	Trip	Туре	Circuit Description	<b>СКТ</b> 2
3	MUSCO SPORT 4#6, 1#6G. CONTACTOR C		OLE F1		20 A	3	UVA		0 VA	0 VA	0 VA	0 VA	3	30 A	4	/IUSCO SPORTS LIGHT POLE F2 #4, 1#4G. CONTACTOR C2	4 6
7 9	MUSCO SPORT 4#8, 1#6G.	S LIGHT P	OLE F3		30 A	3	0 VA	0 VA	0 VA	0 VA			3	30 A		/USCO SPORTS LIGHT POLE F4 #8, 1#6G.	8 10
11 13	CONTACTOR C						0 VA	0 VA			0 VA	0 VA			C	CONTACTOR C4 IUSCO SPORTS LIGHT POLE A2	12 14
15 17	4#8, 1#6G. CONTACTOR C				30 A	3			0 VA	0 VA	0 VA	0 VA	3	30 A	4	#8, 1#6G. CONTACTOR C6	16 18
19 21	MUSCO SPORT 4#6, 1#6G.		OLE B1		30 A	3	0 VA	0 VA	0 VA	0 VA			3	30 A	4	IUSCO SPORTS LIGHT POLE B2 #6, 1#6G.	20 22
23 25	CONTACTOR C		OLE D1				0 VA	0 VA			0 VA	0 VA				CONTACTOR C8	24 26
27 29	4#6, 1#6G. CONTACTOR CS	)			30 A	3			0 VA	0 VA	0 VA	0 VA	3	30 A	N	IUSCO POWER LINE COMMUNICATIONS	28 30
31 33	MUSCO SPORT 4#8, 1#8G. WALKWAY LIGH				30 A	3	0 VA	0 VA	0 VA	0 VA	0.1/4	0.1/4	3	30 A	4	/IUSCO SPORTS LIGHT POLE A1 #8, 1#8G. CONTACTOR C11	32 34
35 37	MUSCO SPORT				20.4	2	0 VA	0 VA	0.1/4	0.1/4	0 VA	0 VA		70.4		PANELBOARD L1	36 38
39 41 43	4#8, 1#8G. CONTACTOR C <sup>2</sup>	2			30 A	3	0 VA	0 VA	0 VA	0 VA	0 VA	0 VA	3	70 A	4	5KVA TRANSFORMER	40 42 44
43 45 47	SPARE				30 A	3	UVA	UVA	0 VA	0 VA	0 VA	0 VA	3	30 A	s	PARE	44 46 48
49 51	SPARE				30 A	3	0 VA	0 VA	0 VA	0 VA			3	30 A	S	PARE	50 52
53 55							0 VA	0 VA			0 VA	0 VA					54 56
57 59	SPARE				30 A	3			0 VA	0 VA	0 VA	0 VA	3	70 A	S	PARE	58 60
61 63	SITE LIGHTING SITE LIGHTING				20 A 20 A	1	0 VA	0 VA	0 VA	0 VA			1	20 A 20 A		BLEACHER LIGHTING SPARE	62 64
65 67	FLAGPOLE LIGH SPARE	ITING			20 A 20 A	1 1	0 VA	0 VA			0 VA	0 VA	1 1	20 A 20 A		SPARE SPARE	66 68
69 71	SPARE SPARE				20 A 20 A	1 1			0 VA	0 VA	0 VA	0 VA	1 1	20 A 20 A	S	PARE PARE	70 72
73 75	SPARE SPARE				20 A 20 A	1	0 VA	0 VA	0 VA	0 VA	0.145	0.145	1	20 A 20 A	S	PARE PARE	74 76
77 79 81	SPARE SPARE				20 A 20 A	1	0 VA	0 VA	0.1/4	0.1/4	0 VA	0 VA	1	20 A 20 A	S	PARE PARE	78 80
81 83	SPARE SPARE				20 A 20 A	1			0 VA	0 VA	0 VA	0 VA	1	20 A 20 A		PARE PARE	82 84
Legend	:		1	Not	es:											Panel Totals	
AF GF	Arc Fault Ground Fault	ST Blank	Shunt Trip Standard												-	Total Connected: 0 A	

(1) CIRCUIT VIA PHOTOCELL. (2) ASSOCIATED WITH SOFTBALL FIELD ALTERNATE.

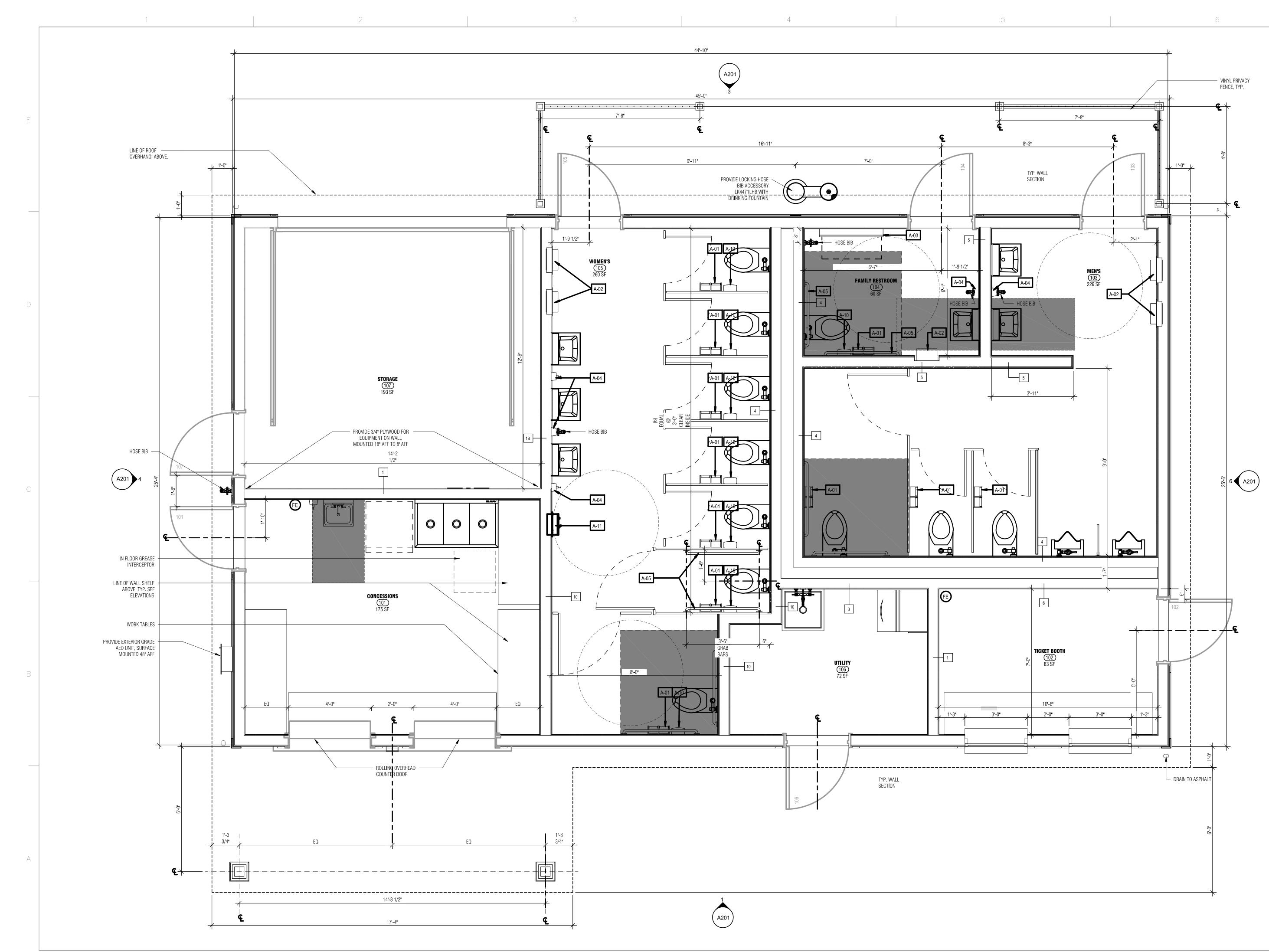


## NOTE:

SCHEDULES ARE INCLUDED FOR REFERENCE, PANELBOARDS TO BE INSTALLED UNDER SEPARATE CONTRACT, WIRING FOR ALL SPORTS LIGHTING, SITE LIGHTING, FLAGPOLE LIGHTING, SCOREBOARD POWER, DUGOUT AND BATTING CAGE POWER, AND TURF BOXES SHALL BE INCLUDED IN SITE CONTRACT. PANELBOARD LOCATED IN AMENITIES BUILDING.

Volts: hases: Wires:		Wye			A.I.C. Rating: 22K Mains Type: 150 Mains Rating: 150 A									
	В	(	C	Poles	Trip	Туре		Description	СКТ					
				1	20 A		RECEPTACLE TUP	RF BOX	2					
0 VA	0 VA			1	20 A		SCOREBOARD		4					
		0 VA	0 VA	1	20 A		RECEPTACLE TUF	RF BOX	6					
				1	20 A		DUGOUT RECEPT	ACLE	8					
0 VA	0 VA			1	20 A		BATTING CAGE		10					
		0 VA	0 VA	1	20 A		SPARE		12					
				1	20 A		SPARE		14					
0 VA	0 VA			1	20 A		SPARE		16					
		0 VA	0 VA	1	20 A		SPARE		18					
				1	20 A		SPARE		20					
0 VA	0 VA			1	20 A		SPARE		22					
		0 VA	0 VA	1	20 A		SPARE		24					
				1	20 A		SPARE		26					
0 VA	0 VA			1	20 A		SPARE		28					
		0 VA	0 VA				SPACE AND HARD	WARE	30					
							SPACE AND HARD	WARE	32					
0 VA	0 VA						SPACE AND HARD	WARE	34					
		0 VA	0 VA				SPACE AND HARD	WARE	36					
							SPACE AND HARD	WARE	38					
0 VA	0 VA						SPACE AND HARD	WARE	40					
		0 VA	0 VA				SPACE AND HARD	WARE	42					
							Panel	Totals						
							Total Connected:	0 A						

Engir 163 L 0218 www. Bosto This d propriet	r part without the express	I WEYM 781.335 Iando H d constructi c. and shall written per yright©202	5.6467 Hartford Bedford on features disclosed are not be altered or reused in mission of Gale Associates,	
	MILLBURY JR / SR HIGH SCHOOL ATHLETIC CAMPUS RENOVATIONS 12 MARTIN STREET	MILLBURY, MA	MILLBURY PUBLIC SCHOOLS 12 MARTIN STREET MILLBURY, MA 01527	
DE	ROJECT NO.	KJA	6019880 KJA	
CH	RAWN BY IECKED BY	AKL KJA 02/2		
DF	RAWING SCALE			
E	LECTRICAL	_ SCł	HEDULES	



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PROJEC T	MILLBURY JR / SR HIGH SCHOOL TRACK & FIELD RENOVATIONS 12 MARTIN STREET	OWNER	MILLBURY PUBLIC SCHOOLS 12 MARTIN STREET MILLBURY MA 01527	
NO.		SIONS DESC F	RIPTION	
DE: DR: CH DA	DD FILE SIGNED BY AWN BY ECKED BY TE AWING SCALE GRAPHIC	1/2" =		

