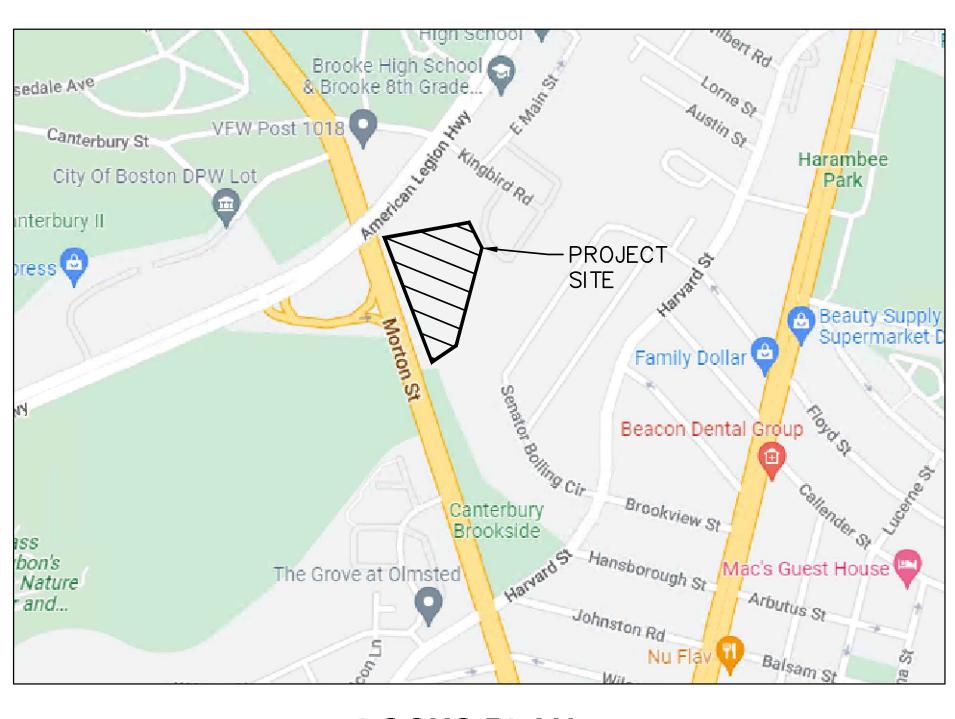
# DEMOLITION NOTES

- 1. SITE PREPARATION AND DEMOLITION SHALL INCLUDE THOSE AREAS WITHIN THE LIMIT OF WORK LINE AS SHOWN ON THE CONTRACT DOCUMENTS. 2. ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER. 3. CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING DEMOLITION. 4. THE CONTRACTOR SHALL COORDINATE SITE DEMOLITION EFFORTS WITH ALL TRADES THAT MAY BE AFFECTED BY THE WORK. 5. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS REQUIRED TO FACILITATE CONSTRUCTION, AND LEGALLY DISPOSED OF OFFSITE BY CONTRACTOR.

- 6. UTILITY PIPES DESIGNATED TO BE ABANDONED IN PLACE SHALL BE PLUGGED AT THEIR ENDS WITH WATERTIGHT BRICK MASONRY OR CEMENT MORTAR WITH A MINIMUM THICKNESS OF 8 INCHES.
- SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE 7. UTILITY PIPES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE COMPLETE TIME OF AND DURING ALL PHASES OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO REMOVAL AND DISPOSAL OF THE ENTIRE LENGTH OF PIPE AND BACKFILL AND 95% AND IMMEDIATELY AFTER ANY GRADING OR DISTURBANCE OF EXISTING SURFACE COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN THE VOID IS WITHIN THE MATERIAL ON THE SITE. FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE
- 8. UTILITY STRUCTURES DESIGNATED TO BE ABANDONED IN PLACE SHALL HAVE THEIR CAST IRON CASTINGS REMOVED AND DISPOSED, INLET AND OUTLET PIPES PLUGGED, THE BOTTOM OF THE STRUCTURES SHALL BE BROKEN, THE VOID OF THE STRUCTURES SHALL BE BACKFILLED AND COMPACTED TO 95% WITH ORDINARY BORROW OR FLOWABLE FILL, AND THE TOP OF THE STRUCTURE SHALL BE REMOVED SO THAT IT IS AT LEAST 36 INCHES BELOW FINISH GRADE.
- 9. UTILITY STRUCTURES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF CAST IRON CASTINGS, PLUGGING OF INLET AND OUTLET PIPES, REMOVAL OF THE STRUCTURE, AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN HE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING. GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
- 10. ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFFSITE.
- 11. AT ALL LOCATIONS WHERE EXISTING CURBING, CONCRETE PAVEMENT OR BITUMINOUS CONCRETE ROADWAY ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE.
- 12. EXTEND DESIGNATED LIMIT OF WORK AS NECESSARY TO ACCOMPLISH ROUGH GRADING. EROSION CONTROL, TREE PROTECTION, AND SITE WORK AS REQUIRED BY THESE DRAWINGS AND SPECIFICATIONS.
- 10. ANY SEDIMENT TRACKED ONTO PAVED AREAS SHALL BE SWEPT AT THE END OF EACH WORKING DAY. 13. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL RUBBISH AND DEBRIS FOUND THEREON. STORAGE OF SUCH MATERIALS ON THE PROJECT SITE WILL NOT BE PERMITTED. THE CONTRACTOR SHALL LEAVE THE SITE IN SAFE, CLEAN, AND LEVEL 11. ALL SEDIMENT RETAINED BY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE LEGALLY DISPOSED OF OFFSITE. CONDITION UPON COMPLETION OF THE SITE DEMOLITION WORK.
- 12. TEMPORARY DIVERSION DITCHES, PERMANENT DITCHES, CHANNELS, EMBANKMENTS, AND 14. REMOVE AND STOCKPILE ALL EXISTING SITE LIGHTS, BENCHES, TRASH RECEPTACLES, TRAFFIC SIGNS, GRANITE CURB, AND OTHER SITE IMPROVEMENTS WITHIN LIMIT OF WORK ANY DENUDED SURFACE THAT WILL BE EXPOSED FOR A PERIOD OF 14 CALENDAR DAYS OR MORE SHALL BE CONSIDERED CRITICAL VEGETATION AREAS. THESE AREAS SHALL BE LINE UNLESS OTHERWISE NOTED. STABILIZED/PROTECTED WITH APPROPRIATE EROSION CONTROL MATTING OR OTHER EROSION CONTROL METHODS. 15. ALL EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED AND MAINTAINED
- THROUGHOUT THE TIME OF CONSTRUCTION, AS SPECIFIED AND DIRECTED BY THE LANDSCAPE ARCHITECT.
- 16. BEFORE ANY TREES OR SHRUBS ARE REMOVED, THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON THE SITE WITH THE OWNER OR OWNER'S REPRESENTATIVE TO IDENTIFY TREES AND SHRUBS THAT ARE TO BE REMOVED, AS WELL AS THOSE WHICH ARE TO BE PROTECTED. DO NOT COMMENCE CLEARING OPERATIONS WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL EROSION AND SEDIMENT 17. THE CONTRACTOR SHALL REMOVE FROM THE AREA OF CONSTRUCTION PAVEMENT, CONTROLS AT THE COMPLETION OF SITE CONSTRUCTION, BUT ONLY WHEN DIRECTED BY UTILITY NOTES: CONCRETE, CURBING, POLES AND FOUNDATIONS, ISLANDS, TREE BERMS AND OTHER THE CITY OF BOSTON CONSERVATION AGENT. STABILIZE OR SEED BARE AREAS LEFT FEATURES WITHIN THE LIMITS OF CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW AFTER EROSION CONTROL REMOVAL. CONSTRUCTION WHETHER SPECIFIED ON THE DRAWINGS OR NOT.

TO OWNER.



LOCUS PLAN NOT TO SCALE SOURCE: GOOGLE MAPS

## EROSION AND SEDIMENT CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS" PREPARED BY DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF RESOURCE PROTECTION, AND THE CURRENT NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
- MEANS OF EROSION AND SEDIMENT PROTECTION AS NOTED ON THE DRAWINGS INDICATE MINIMUM RECOMMENDED PROVISIONS. THE CONTRACTOR IS RESPONSIBLE FOR FINAL SELECTION AND PLACEMENT OF EROSION AND SEDIMENTATION CONTROLS BASED ON ACTUAL SITE CONDITIONS AND CONSTRUCTION CONDITIONS. ADDITIONAL MEANS OF PROTECTION SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED FOR CONTINUED OR UNFORESEEN EROSION PROBLEMS, OR AS DIRECTED BY CONTROLLING MUNICIPAL AUTHORITIES, AT NO ADDITIONAL EXPENSE TO THE OWNER.
- AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS INDICATED IN THE PLAN PRIOR TO COMMENCEMENT OF DEMOLITION OR CONSTRUCTION OPERATIONS.
- 5. AFTER ANY SIGNIFICANT RAINFALL (GREATER THAN 0.25 INCHES OF RAINFALL WITHIN 24 HOURS), SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED FOR INTEGRITY. ANY DAMAGE SHALL BE CORRECTED IMMEDIATELY.
- PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES SHALL BE PROVIDED TO ENSURE THAT THE INTENDED PURPOSE IS ACCOMPLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEDIMENT LEAVING THE LIMIT OF WORK. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING SEDIMENT FROM ENTERING ANY STORM DRAINAGE SYSTEM AND FROM BEING CONVEYED TO ANY WETLAND RESOURCE AREA, PUBLIC WAYS, ABUTTING PROPERTY, OR OUTSIDE OF THE PROJECT LIMITS.
- THE CONTRACTOR SHALL PROTECT ALL DRAINAGE SWALES AND GROUND SURFACES WITHIN THE LIMIT OF WORK FROM EROSIVE CONDITIONS. STRAW BALE, CRUSHED STONE OR EQUIVALENT CHECK DAMS ARE TO BE PROVIDED AT A MAXIMUM OF TWO HUNDRED (200) FOOT SPACING, OR LESS AS SITE-SPECIFIC CONDITIONS WARRANT, WITHIN ALL DRAINAGE SWALES AND DITCHES AND AT UPSTREAM SIDES OF ALL DRAINAGE INLETS.
- 9. ALL STOCK PILES SHALL BE PROTECTED AND LOCATED A MINIMUM OF 100' FROM EXISTING WETLAND RESOURCE AREAS & WITHIN THE LIMIT OF WORK.
- 13. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS DIRECTED BY THE PERMITTING AUTHORITY OR OWNER.
- 14. THE CONTRACTOR SHALL USE TEMPORARY SEEDING, MULCHING, OR OTHER APPROVED STABILIZATION MEASURES TO PROTECT EXPOSED AREAS DURING PROLONGED CONSTRUCTION OR OTHER LAND DISTURBANCE. STOCKPILES THAT WILL BE EXPOSED FOR LONGER THAN 14 DAYS SHALL BE STABILIZED.

# EARTH MOVING AND GRADING NOTES

- 1. ALL TOPSOIL ENCOUNTERED WITHIN THE WORK AREA SHALL BE STRIPPED TO ITS FULL DEPTH AND STOCKPILED FOR REUSE. EXCESS TOPSOIL SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED BY THE OWNER. TOPSOIL PILES SHALL REMAIN SEGREGATED FROM EXCAVATED SUBSURFACE SOIL MATERIALS.
- 2. GRADES WITHIN HANDICAP PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 1.5% IN ANY DIRECTION.
- 3. CROSS SLOPES OF ALL PEDESTRIAN WALKS SHALL NOT EXCEED 1.5%.
- 4. RUNNING SLOPE OF ALL PEDESTRIAN WALKS SHALL NOT EXCEED 4.5%, UNLESS OTHERWISE NOTED.
- POSSIBLE EXISTENCE OF UNRECORDED UTILITY LINES. 6. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1% UNLESS OTHERWISE 5. GAS, TELECOMMUNICATIONS AND ELECTRIC SERVICES ARE TO BE DESIGNED BY EACH
- NOTED. 7. PROVIDE POSITIVE DRAINAGE AWAY FROM FACE OF BUILDINGS AT ALL LOCATIONS.
- 8. PITCH EVENLY BETWEEN CONTOUR LINES AND BETWEEN SPOT GRADES. SPOT GRADE ELEVATIONS TAKE PRECEDENCE OVER CONTOUR LINES.
- 9. ALL PROPOSED TOP OF CURB ELEVATIONS ARE SIX INCHES (6") ABOVE BOTTOM OF CURB ELEVATIONS UNLESS OTHERWISE NOTED. ALL PROPOSED TOP OF CAPE COD BERM ELEVATIONS ARE FOUR INCHES (4") ABOVE BOTTOM OF CURB ELEVATION UNLESS OTHERWISE NOTED.
- 10. THE CONTRACTOR SHALL BLEND NEW GRADING SMOOTHLY INTO EXISTING GRADING AT LIMITS OF GRADING.
- 11. WHERE NEW PAVING MEETS EXISTING PAVING, MEET LINE AND GRADE OF EXISTING PAVING WITH SMOOTH TRANSITION BETWEEN EXISTING AND NEW SURFACES.
- 12. THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.
- 13. PITCH TOPS OF ALL WALLS AT ONE-EIGHTH INCH (1/8") PER FOOT FROM BACK OF WALL TO FACE OF WALL. 14. SURPLUS MATERIALS SHALL BE REMOVED FROM THE SITE UNLESS DIRECTED BY THE
- OWNER OR OWNER'S REPRESENTATIVE. REFER TO EARTHWORK SPECIFICATIONS. 15. ANY AREAS OUTSIDE OF THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED BY THE CONTRACTOR TO THE PRE-CONSTRUCTION CONDITION/GRADE AT NO
- COST TO THE OWNER. 16. EXCAVATION REQUIRED WITHIN PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND, CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST

# GENERAL NOTES

- LAND SURVEYORS, DATED MARCH 03, 2022.
- AT 1-888-DIG-SAFE.
- IMPROVEMENTS.

- CONSTRUCTION MEANS AND METHODS.
- IMMEDIATELY.
- VERTICAL AND HORIZONTAL CONSTRUCTION CONTROLS.
- 13. ELEVATIONS REFER TO BOSTON CITY BASE.

- COORDINATED WITH THE OWNER.
- CONSULTANTS.

- PAVING CONSTRUCTION.

TOPOGRAPHIC DATA, PROPERTY LINE INFORMATION, AND EXISTING SITE FEATURES WERE OBTAINED FROM A PLAN ENTITLED "EXISTING CONDITIONS PLAN URBAN FARM PARCEI PARCEL 2B-9 BOSTON (WEST ROXBURY DISTRICT) MASS.", PREPARED BY FELDMAN

2. FLOODPLAIN INFORMATION WAS OBTAINED FROM THE FLOOD INSURANCE RATE MAP (FIRM) NO. 25025C0086G. THE SITE IS IN ZONE X.

3. THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82, SECTION 40, AS AMENDED, WHICH STATES THAT NO ONE MAY EXCAVATE IN THE COMMONWEALTH OF MASSACHUSETTS EXCEPT IN AN EMERGENCY WITHOUT 72 HOURS NOTICE, EXCLUSIVE OF SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, TO NATURAL GAS PIPELINE COMPANIES, AND MUNICIPAL UTILITY DEPARTMENTS THAT SUPPLY GAS, ELECTRICITY, TELEPHONE, OR CABLE TELEVISION SERVICE IN OR TO THE CITY OR TOWN WHERE THE EXCAVATION IS TO BE MADE. THE CONTRACTOR SHALL CALL "DIG SAFE"

4. THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82A, ALSO REFERRED TO AS JACKIE'S LAW, AS DETAILED IN SECTION 520 CMR 14.00 OF THE CODE OF MASSACHUSETTS REGULATIONS.

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS AND SAFETY CODES IN THE CONSTRUCTION OF ALL

6. THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRESENCE AND LOCATIONS OF ALL UTILITIES WITHIN THE LIMIT OF WORK MUST BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL RESPONSIBLE FOR IDENTIFYING AND CONTACTING THE CONTROLLING AUTHORITIES AND/OR UTILITY COMPANIES RELATIVE TO THE LOCATIONS AND ELEVATIONS OF THEIR LINES. THE CONTRACTOR SHALL KEEP A RECORD OF ANY DISCREPANCIES OR CHANGES IN THE LOCATIONS OF ANY UTILITIES SHOWN OR ENCOUNTERED DURING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND NITSCH ENGINEERING. ANY DAMAGE RESULTING FROM THE FAILURE OF THE CONTRACTOR TO MAKE THESE DETERMINATIONS AND CONTACTS SHALL BE BORNE BY THE CONTRACTOR.

7. THE CONTRACTOR SHALL, THROUGHOUT CONSTRUCTION, TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, GRADING, SIDEWALKS AND SITE DETAILS OUTSIDE OF THE LIMIT OF WORK AS DEFINED ON THE DRAWINGS AND SHALL REPAIR AND REPLACE OR OTHERWISE MAKE GOOD AS DIRECTED BY THE ENGINEER OR OWNER'S DESIGNATED REPRESENTATIVE ANY SUCH OR OTHER DAMAGE SO CAUSED.

8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL

9. PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND CONSTRUCTION DOCUMENTS TO DEVELOP A THOROUGH UNDERSTANDING OF THE PROJECT, INCLUDING ANY SPECIAL CONDITIONS AND CONSTRAINTS.

10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PROJECT SITE AND TO VERIFY ALL CONDITIONS IN THE FIELD AND REPORT DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE OWNER OR OWNER'S REPRESENTATION

11. THE CONTRACTOR SHALL CONDUCT ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS. 12. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE ESTABLISHMENT AND USE OF ALL

14. THE CONTRACTOR SHALL COMPLY WITH THE ORDER OF CONDITIONS DATED APRIL 24, 2023 AND ISSUED BY THE BOSTON CONSERVATION COMMISSION (DEP #006-1931). 15. FOR SOIL INFORMATION REFER TO GEOTECHNICAL REPORT

### 1. ALL UTILITY CONNECTIONS ARE SUBJECT TO THE APPROVAL OF, AND GRANTING OF 1. PERMITS BY, THE LOCAL MUNICIPALITY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS AND APPROVALS RELATED TO UTILITY WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION.

2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ALL PERMISSIONS FOR, AND FOR CONDUCTING ALL PREPARATIONS RELATED TO, WORK AFFECTING ANY UTILITIES WITHIN THE JURISDICTION OF ANY NON-MUNICIPAL UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO ELECTRIC, TELEPHONE, AND/OR GAS. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE AGENCIES, DEPARTMENTS, AND UTILITY COMPANIES, IN THAN 30 DAYS PRIOR TO ANY CONSTRUCTION.

3. THE CONTRACTOR SHALL MAINTAIN UTILITIES SERVICING BUILDINGS AND FACILITIES WITHIN OR OUTSIDE THE PROJECT LIMIT UNLESS THE INTERRUPTION OF SERVICE IS

5. THE CONTRACTOR SHALL EXERCISE CAUTION IN ALL EXCAVATION ACTIVITY DUE TO 4. ALL WATER, SEWER, AND DRAIN WORK SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS AND STANDARD SPECIFICATIONS OF THE LOCAL MUNICIPALITY.

UTILITY COMPANY IN COORDINATION WITH THE MECHANICAL, ELECTRIC, AND PLUMBING

6. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES OF NEW UTILITIES WITH GAS. TELECOMMUNICATION AND ELECTRICAL SERVICES. 7. INSTALL WATER LINES WITH A MINIMUM OF FIVE FEET OF COVER AND A MAXIMUM OF

SEVEN FEET COVER FROM THE FINAL DESIGN GRADES. 8. MAINTAIN 10 FEET HORIZONTAL SEPARATION AND 18 INCHES VERTICAL SEPARATION

(WATER OVER SEWER) BETWEEN SEWER AND WATER LINES. WHEREVER THERE IS LESS THAN 10 FEET OF HORIZONTAL SEPARATION AND 18 INCHES OF VERTICAL SEPARATION BETWEEN A PROPOSED OR EXISTING SEWER LINE TO REMAIN AND A PROPOSED OR EXISTING WATER LINE TO REMAIN BOTH WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT CEMENT LINED DUCTILE IRON PIPE FOR A DISTANCE OF 10-FEET ON EITHER SIDE OF THE CROSSING. ONE (1) FULL LENGTH OF WATER PIPE SHALL BE CENTERED OVER THE SEWER AT THE CROSSING

9. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES EXCEPT THOSE NOTED TO BE ABANDONED AND/OR REMOVED & DISPOSED.

10. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR TRENCHING, BACKFILLING, AND SURFACE RESTORATION FOR GAS UTILITY SYSTEMS

11. ALL ONSITE UTILITIES SHALL BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.

12. ALL EXISTING AND PROPOSED MANHOLE FRAMES, COVERS, VALVES, CLEANOUTS CASTINGS, ETC. SHALL BE RAISED TO FINISHED GRADE PRIOR TO FINAL GRADING AND

13. ALL GRATES IN WALKWAYS SHALL BE ADA COMPLIANT

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POSED LEGEND			ABBREVIATIONS			
		AB	ACCESS BASIN			
	LIMIT OF WORK	AD	AREA DRAIN			
	EXISTING UTILITY TO BE ABANDONED,	BC	BOTTOM OF CURB ELEVATION			
/	REMOVED AND DISPOSED IF IN CONFLICT WITH NEW SITE IMPROVEMENTS, OR AS	BW	BOTTOM OF WALL ELEVAT			
	INDICATED ON DRAWINGS	CB	CATCH BASIN			
o	EROSION CONTROL BARRIER	СО	CLEANOUT			
– x —	CONSTRUCTION FENCE	COP	CENTER OF PIPE			
	DOMESTIC WATER PIPE	CPP	CORRUGATED POLYETHYLENE F			
	FIRE PROTECTION PIPE	DI	DUCTILE IRON PIPE CEMENT LI			
	SANITARY SEWER PIPE	DMH	DRAIN MANHOLE			
	STORM DRAIN PIPE	FFE	FINISHED FLOOR ELEVATION			
		HYD	FIRE HYDRANT			
	INLET PROTECTION	INV	INVERT ELEVATION			
	LIMIT OF STABILIZED	LF	LINEAR FEET			
	GRASS AREA	LOW	LIMIT OF WORK			
Ð	CLEANOUT	M&P	MAINTAIN AND PROTECT			
	AREA DRAIN	NIC	NOT IN CONTRACT			
-	ACCESS BASIN	OC	ON CENTER			
•		OCS	OUTLET CONTROL STRUCTURE			
)	DRAIN MANHOLE	PERF	PERFORATED			
)	WATER QUALITY STRUCTURE	PVC	POLYVINYL CHLORIDE PIPE			
<b>`</b>	CATCH BASIN	R&D	REMOVE AND DISPOSE			
)	CATCH BASIN	R&S	REMOVE AND STOCKPILE			
)	SEWER MANHOLE	RD	ROOF DRAIN			
		RIM	RIM ELEVATION			
	WATER VALVE	SMH	SEWER MANHOLE			
<b>*</b>	FIRE HYDRANT	TC	TOP OF CURB ELEVATION			
		TW	TOP OF WALL ELEVATION			
		ТНН	TELECOM HANDHOLE			
		ТМН	TELECOM MANHOLE			
		TOP	TOP OF PIPE			
		TOD	TOP OF DUCT BANK			

TYP TYPICAL

UD UNDERDRAIN

WV WATER VALVE

VGC VERTICAL GRANITE CURB

WQS WATER QUALITY STRUCTURE

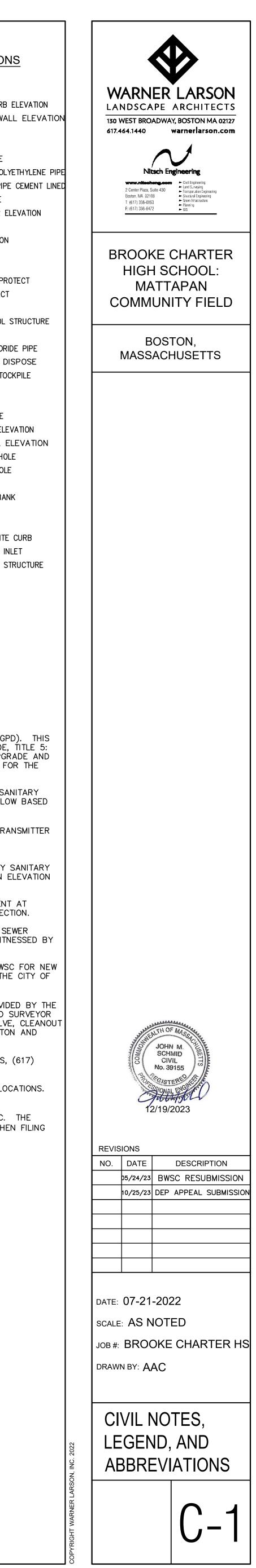
WQI WATER QUALITY INLET

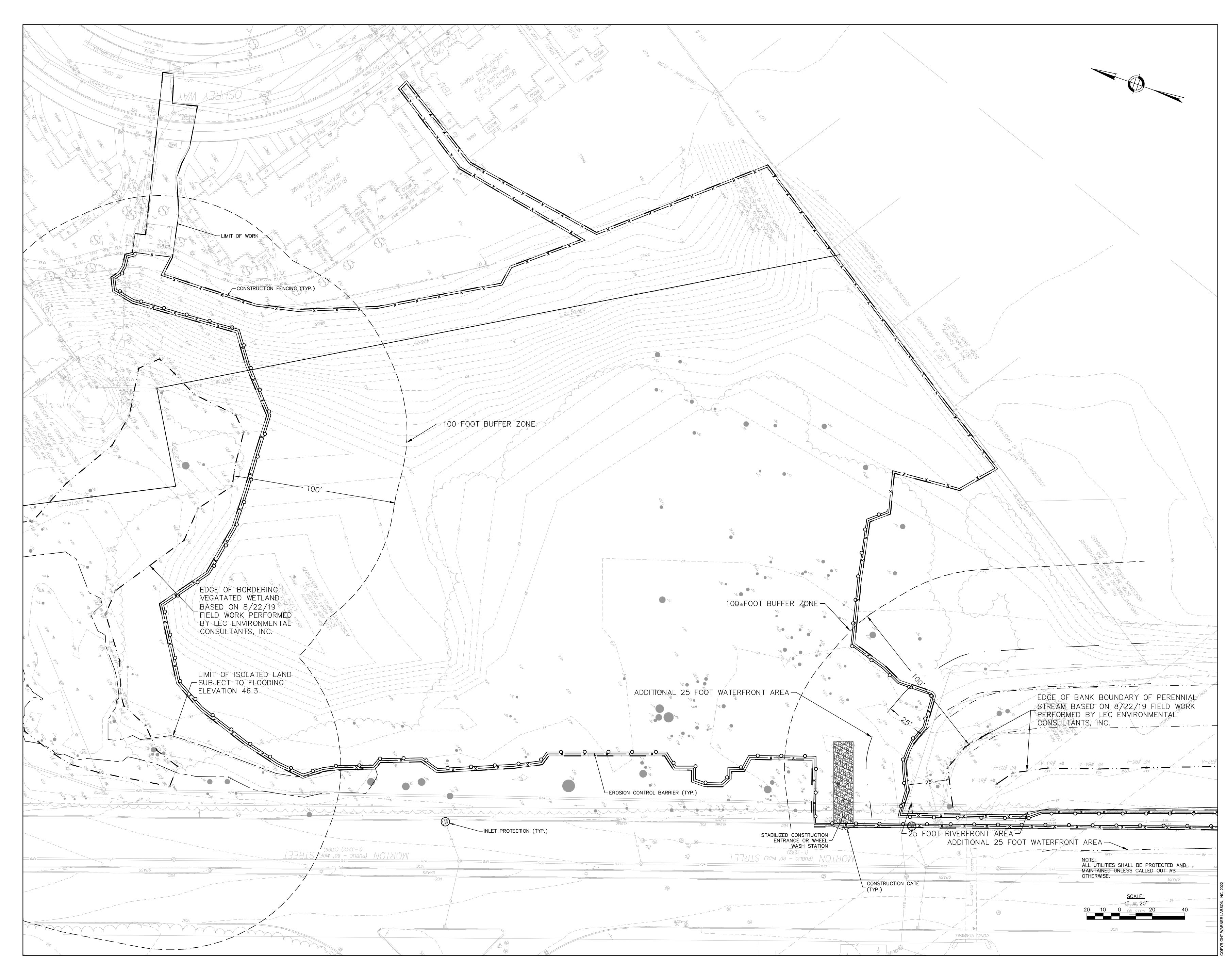
# **BWSC & CONTRACTOR NOTES**

- THE ESTIMATED SANITARY SEWAGE DISCHARGE IS 500 GALLONS PER DAY (GPD). THIS ESTIMATE IS BASED ON 310 C.M.R. 15.000 THE STATE ENVIRONMENTAL CODE, TITLE 5: STANDARD REQUIREMENTS FOR THE SITING, CONSTRUCTION, INSPECTION, UPGRADE AND EXPANSION OF ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS AND FOR THE TRANSPORT AND DISPOSAL OF SEPTAGE.
- THE ESTIMATED DAILY WATER USE IS 550 GPD BASED ON THE ESTIMATED SANITARY SEWAGE DISCHARGE WITH A 10% PEAKING FACTOR. THE PEAK DOMESTIC FLOW BASED ON FIXTURE COUNTS IS APPROXIMATELY XX GPM [FROM MEP].
- WRITING. AT LEAST 7 DAYS (OR PER UTILITY COMPANY REQUIREMENT) AND NOT MORE 3. THE BWSC SHALL PROVIDE A 5/8" DISC TYPE WATER METER AND METER TRANSMITTER UNIT (MTU).
  - 4. BACKWATER VALVES SHALL BE PROVIDED BY THE PLUMBER AT ALL GRAVITY SANITARY SEWER AND STORM DRAIN CONNECTIONS FOR ANY FIXTURE LOCATED AT AN ELEVATION BELOW THE TOP OF THE SEWER OR DRAIN MANHOLE.
  - 5. THE CONTRACTOR SHALL NOTIFY THE BWSC CROSS-CONNECTION DEPARTMENT AT 617-989-7283 ONCE BACKWATER VALVES ARE INSTALLED FOR BWSC INSPECTION.
  - DYE TESTING SHALL BE PERFORMED ON NEW STORM DRAIN AND SANITARY SEWER CONNECTIONS AFTER INSTALLATION IS COMPLETE. DYE TESTS SHALL BE WITNESSED BY THE BWSC.
  - 7. A PREREQUISITE FOR FILING A GENERAL SERVICE APPLICATION WITH THE BWSC FOR NEW CONSTRUCTION IS THE ROUGH CONSTRUCTION SIGN-OFF DOCUMENT FROM THE CITY OF BOSTON'S INSPECTIONAL SERVICES DEPARTMENT.
  - AN AS-BUILT PLAN (AUTOCAD 2016 OR EARLIER RELEASE) SHALL BE PROVIDED BY THE CONTRACTOR AND ENDORSED BY A CIVIL ENGINEER OR PROFESSIONAL LAND SURVEYOR SHOWING THE LOCATION, DEPTH, AND INVERT OF EVERY BEND, FITTING, VALVE, CLEANOU AND ANCHOR. THE AS-BUILT DRAWING SHALL BE SUBMITTED TO THE BOSTON AND WATER SEWER COMMISSION FOR REVIEW AND APPROVAL.
  - WATER SHUT DOWN SHALL BE COORDINATED WITH BWSC WATER OPERATIONS, (617) 989-7276, 24 HOURS NOTICE REQUIRED.
  - 10. PROVIDE "DON'T DUMP" PLAQUES AT ALL CATCH BASIN AND DRAIN INLET LOCATIONS. "DON'T DUMP" PLAQUES TO BE PURCHASED FROM BWSC.
  - 11. THE CONTRACTOR SHALL PURCHASE THE NEW HYDRANT(S) FROM THE BWSC. THE CONTRACTOR SHALL PURCHASE THE HYDRANT(S) FROM THE COMMISSION WHEN FILING THE GENERAL SERVICE APPLICATION.

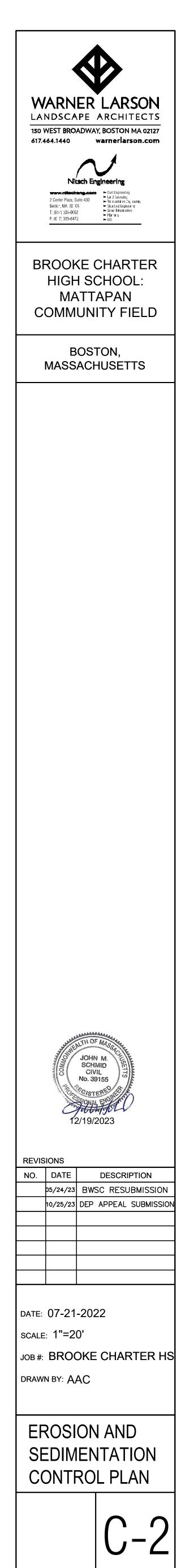
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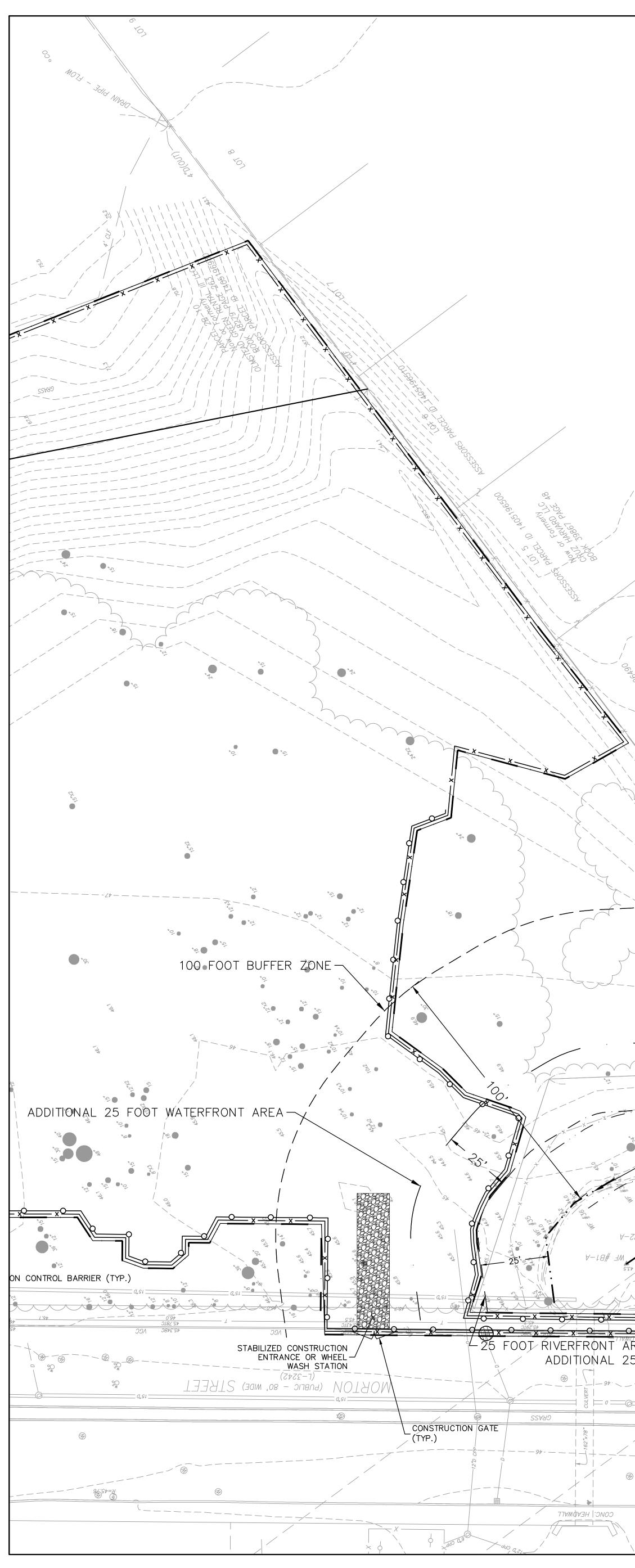






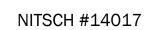


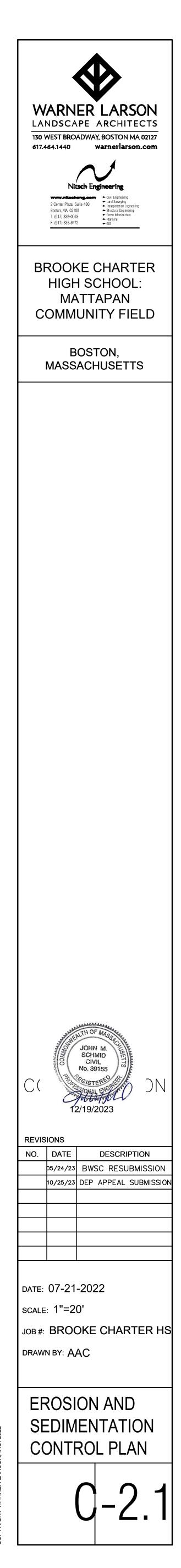


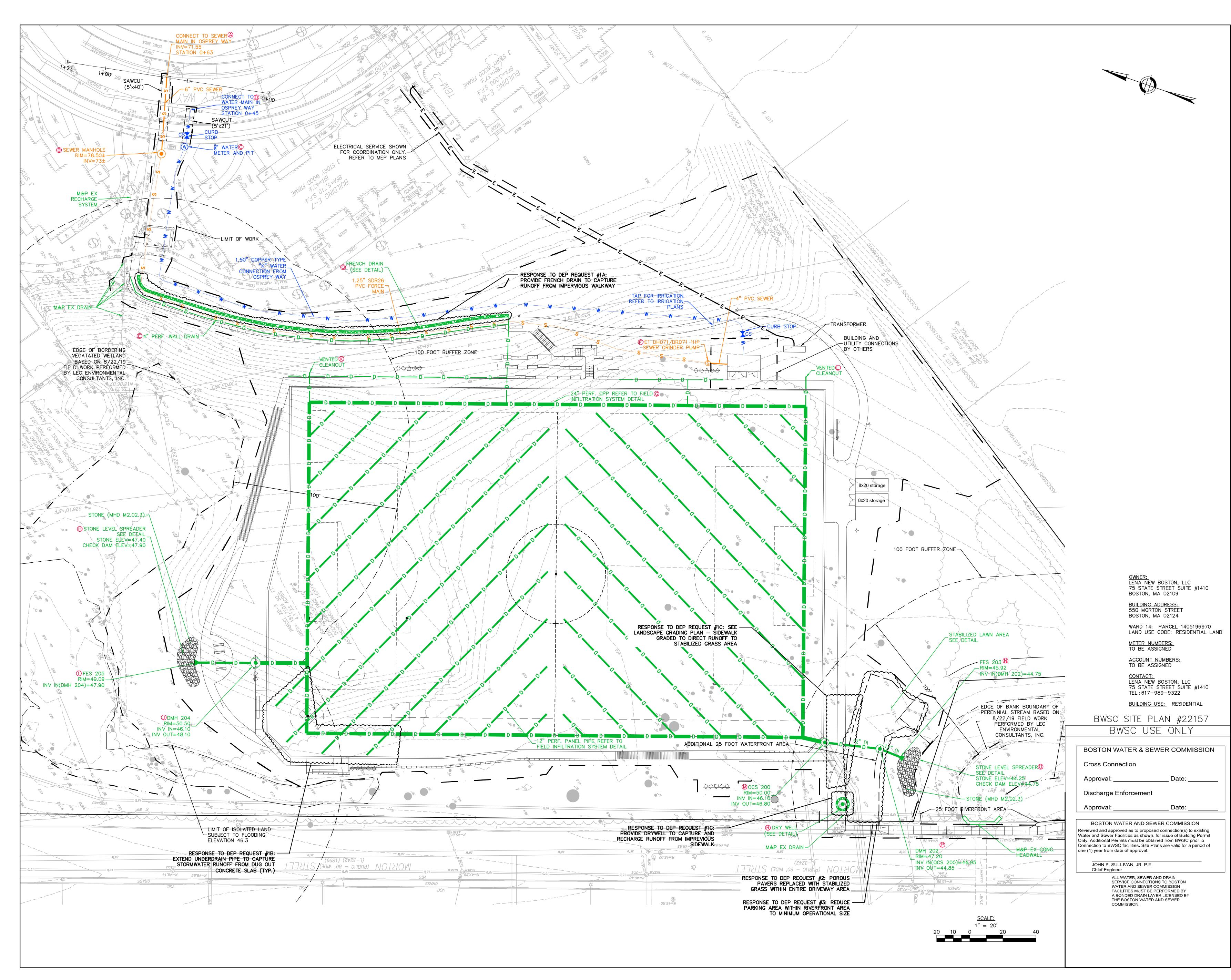


ÉDGE OF BANK BOUNDARY OF PERENNIAL STREAM BASED ON 8/22/19\_FIELD WORK PERFORMED BY LEC ENVIRONMENTAL CONSULTANTS, INC. -V ME #B10-V ME #B3-V ML #B4-V ML #B3-V V-28# JM NL #B2-V V-88# JM · \_\_\_ · · · \_\_\_ ▲ · \_\_\_ . ME #85-V TRUCTION R WHEEL - STATION R WHEEL - STATIO · \_\_\_\_\_\_ E=46.72 05.74 02.74 SSA90 SSAAO \_\_\_\_\_ () S'EE=1 S., 19 \_\_\_\_\_ / Mu9£ / () / 28\*## BIT. CONC. 

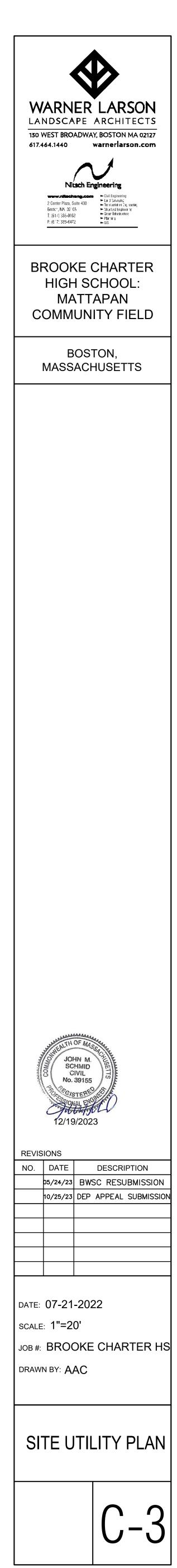
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		, mide) SIBEE	(г–2545) )	$\mathcal{O}(\mathcal{H})$	M <u>£9°9</u> €		98'9 <del>7</del>	
0, 51   3'9   26'9   16'2   69'2   69'2   69'2	ADDATIONAL 25	FOOT WATE!	RERONT-ARE	A		BE PROTEC		Q,,Z,L
977 <u>6977</u> 897 JON <u>5697</u>			<u>57,74</u> 22,84 <u>81,84</u> 24,74	SSVAD CHARACTER	E: UTILITIES SHALL NTAINED UNLESS IERWISE. 2005 24		ASL+	
					1"	<u>ALE:</u> = 20'		
S <sub>u</sub> IS	S <sub>#</sub> I S S S S S S S S S S S S S S S S S S	S 5		20		20£8'9+=		
<u>ACC 42'54 32.57</u> 42'5 42'5 42'5 42'5 42'5 42'5 42'5 42'5	46.25 46.21 26.26 46.18 56.26 46.20	9/'S#	,CC 20, My 42.35 42.40 42.40			Mage +	CC 101 200	18:0°×
46.25 CONC. WALK 46.	46.33 46.27	48.53 +6.53 -XX	≠2 <sup>°97</sup> 7 <u>2</u> x <u>−−−</u> x −−− x −−− x −−− x −−− x	69 46'91 26'94 56'5 XV	194-17VM 1-		MULCH 11	¢ 39.94











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PROPOSED RECHARGE VOLUME CALCULATIONS: Total Impervious Area (SF) = 16,393 SF Required Recharge = 1" storm over Impervious Area Required Storage Volume = Roof Area + Impervious Site Area = 15,873 SF(Impervious Site) x [1'/12"] + 520 SF ( Roof) x [1'/12"] = 1,708 CF <

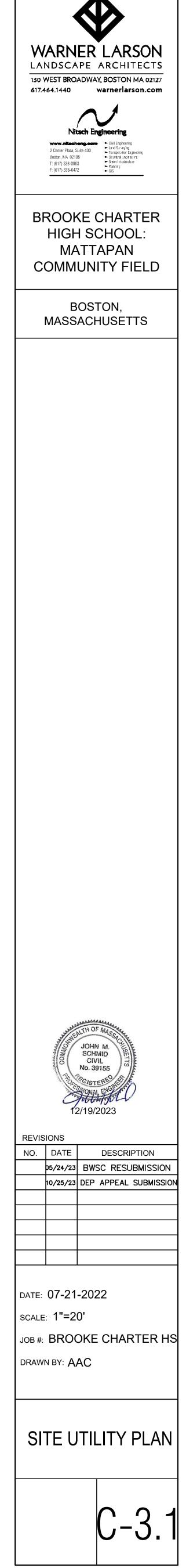
Storage Available in Recharge System =1,000 LF of 24" Perforated CPP Pipe + Crushed Stone Volume below bottom orifice (from HydroCAD) = 1,921 CF ◀ Volume in Dry Well =

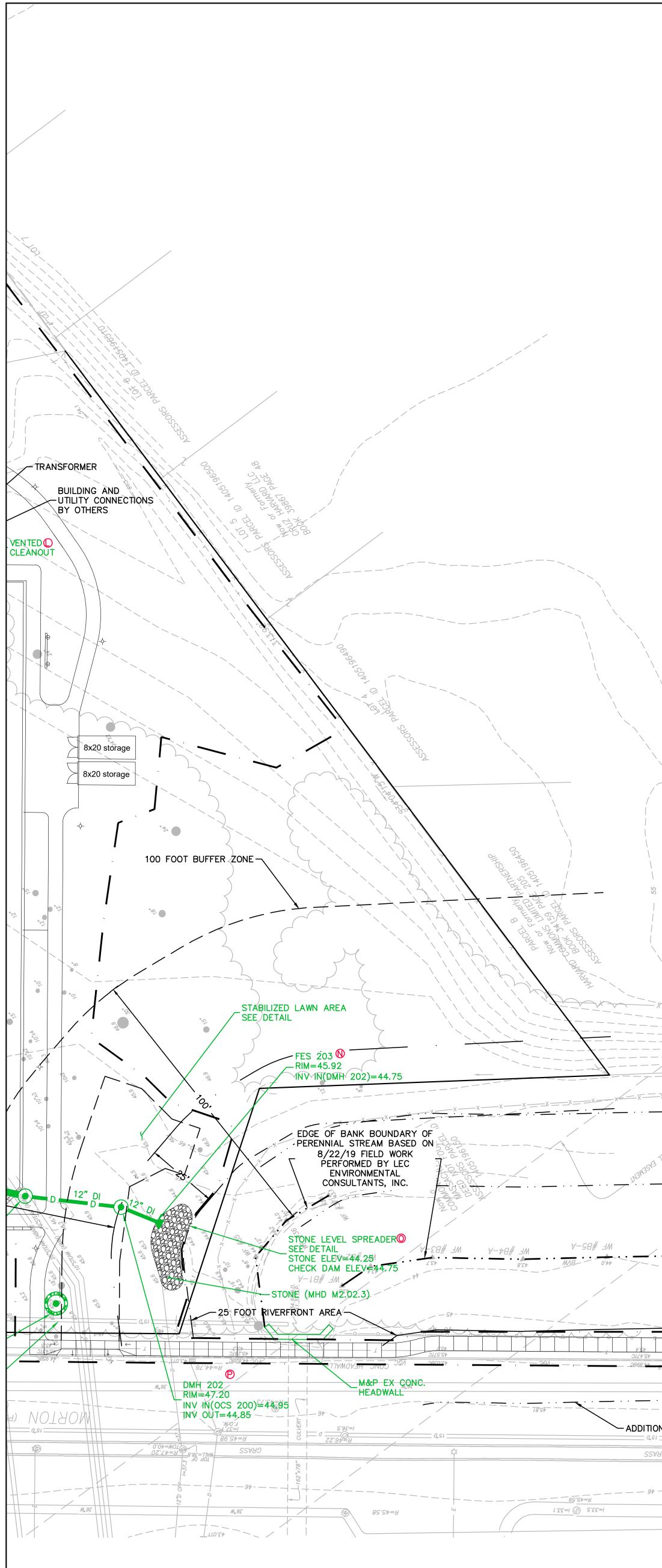
Volume in Structure =  $\pi x r^2 x h = (3.14159 x 2'^2) x 4' = 50.27 CF$ Volume in Stone = Stone - Structure Volume Volume in Stone =  $(\pi x r^2 x h) - 50.27 \text{ CF } x 0.3 (30\% \text{ void capacity of stone}) = ((3.14159 x 3'^2 x 5') - 50.27 \text{ CF}) x 0.3$ Volume in Stone = ((3.14159 x 3'<sup>2</sup> x 5') - 50.27 CF) x 0.3 = (141.37 CF - 50.27 CF) x 0.3 = 27.33 CF Total Volume = 1,921 CF + 50.27 CF + 27.33 CF = 1998 CF ◀

# RWSC INSPECTION SIGNOFE

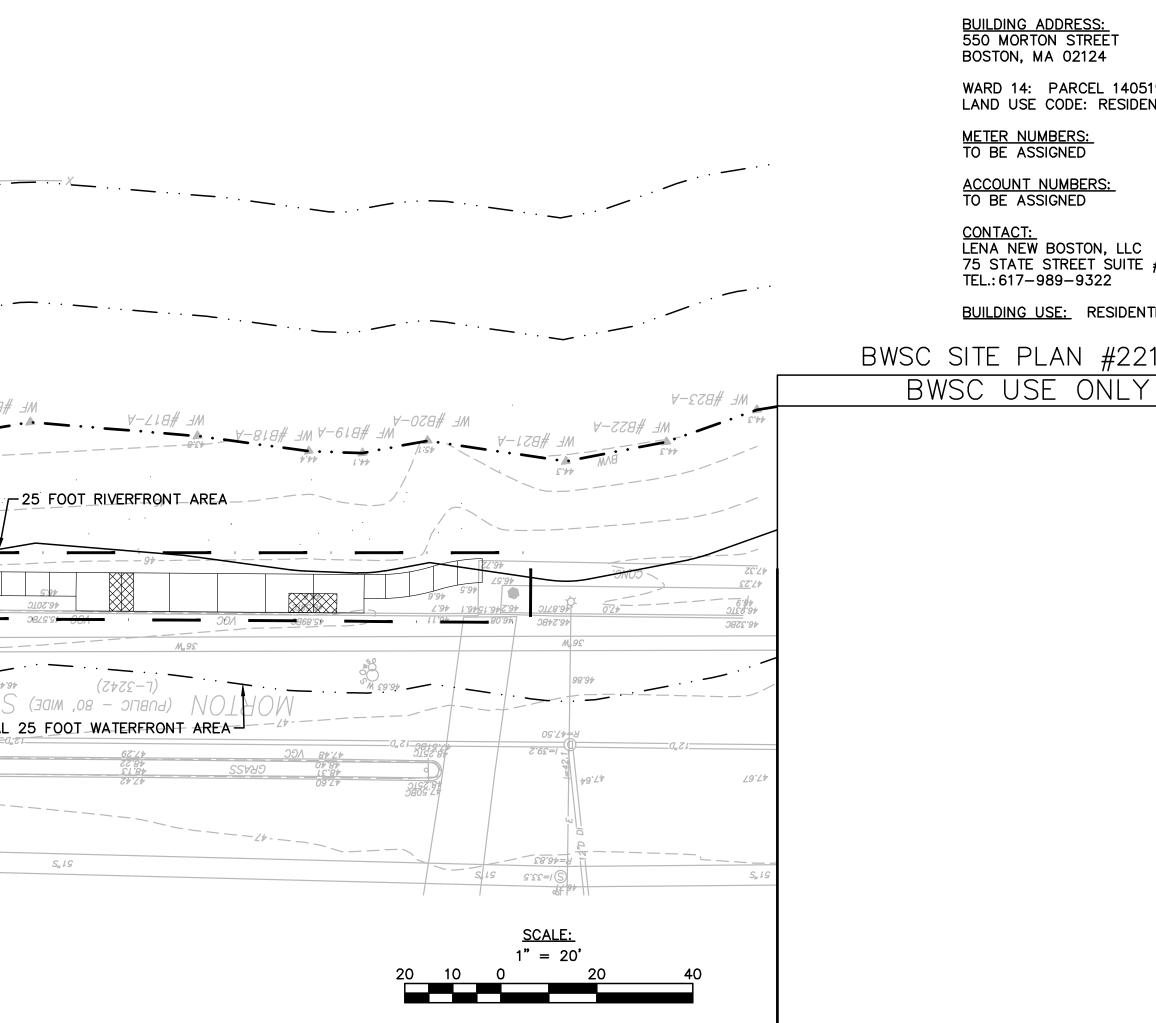
<u> </u>	BWSC INSPECTIC				
	INSPECTOR	DATE	COMMENT	DYE TEST	STATION
A - NEW 6" SEWER CONNECTION					0+63
B – NEW SEWER MANHOLE					
C – NEW 5/8" WATER METER AND PIT				N/A	
D - NEW 1" COPPER TYPE "K" WATER CONNECTION				N/A	0+45
E – NEW PERFORATED WALL DRAIN					
E - NEW E1 1HP SEWER GRINDER PUMP					
G - NEW FIELD INFILTRATION SYSTEM					
H – NEW STONE LEVEL SPREADER					
I – NEW FLARED END SECTION					
J – NEW DRAIN MANHOLE					
K – NEW CLEANOUT					
💭 – NEW CLEANOUT					
M - NEW OUTLET CONTROL STRUCTURE					
N - NEW FLARED END SECTION					
O – NEW STONE LEVEL SPREADER					
P - NEW DRAIN MANHOLE	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
😡 – FRENCH DRAIN					
R – DRY WELL					







	. /				
	XX	xx	X X	X x	< X X
XXX	xx	+	<u> </u>	XXX -	X X X X
VUL BELESTHONOO	> _ · · _ · · _ · · _				- · · _ · · _ · · _ ·
M	A-88# 7W A-	ML #B10-V ML #B0		! <i>−∃#_JM∀−+L₿#</i>	-918 MF#915-A
			,,, oz, MA	0 999	
					·>
	X 09 57=2 X 09 57=2 0.189 57 0.189 57 0.199 57 57 57 57 57 57 57 57 57 57 57 57 57 5		X 5t 5t 5t		
06'++=2 92 	0189'\$# 	9t·	<u>)122:54</u> 0840`57 <u>M</u> g9£		ـــــــــــــــــــــــــــــــــــــ
06'++=2	0189 <sup>°</sup> ¥ <sup>4</sup> 	97	<u>0840'St</u> <u>0870'St</u> <u>0870'St</u>		28 M 28 M 28 M 28 M 28 M 45 H 45 H 4



<u>OWNER:</u> LENA NEW BOSTON, LLC 75 STATE STREET SUITE #1410 BOSTON, MA 02109

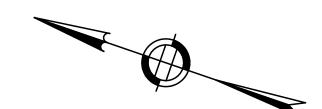
<u>BUILDING ADDRESS:</u> 550 MORTON STREET

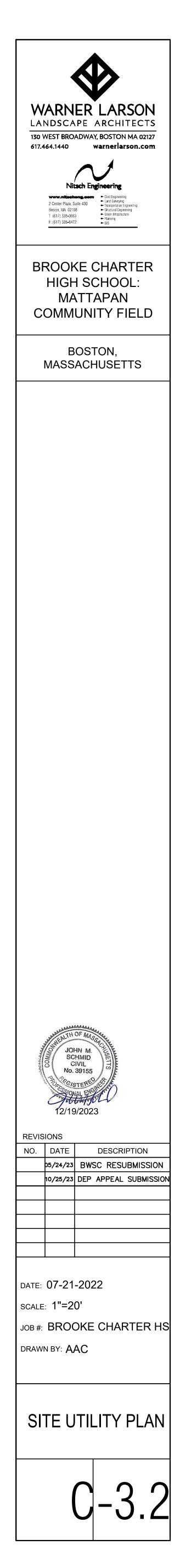
WARD 14: PARCEL 1405196970 LAND USE CODE: RESIDENTIAL LAND

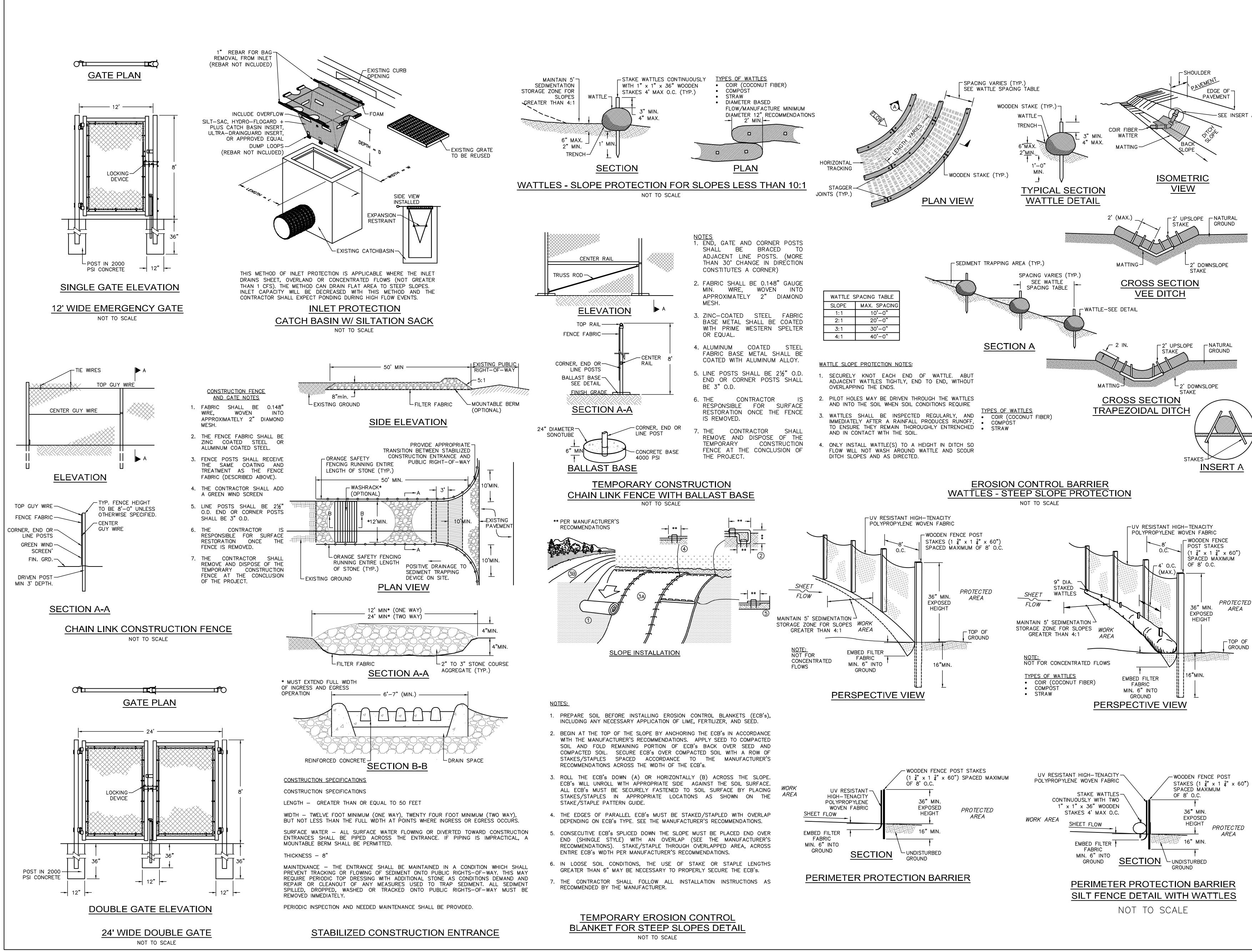
<u>CONTACT:</u> LENA NEW BOSTON, LLC 75 STATE STREET SUITE #1410 TEL.:617–989–9322

BUILDING USE: RESIDENTIAL

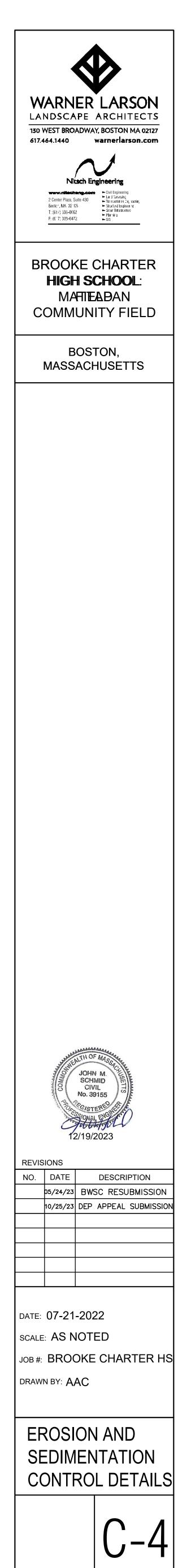
BWSC SITE PLAN #22157

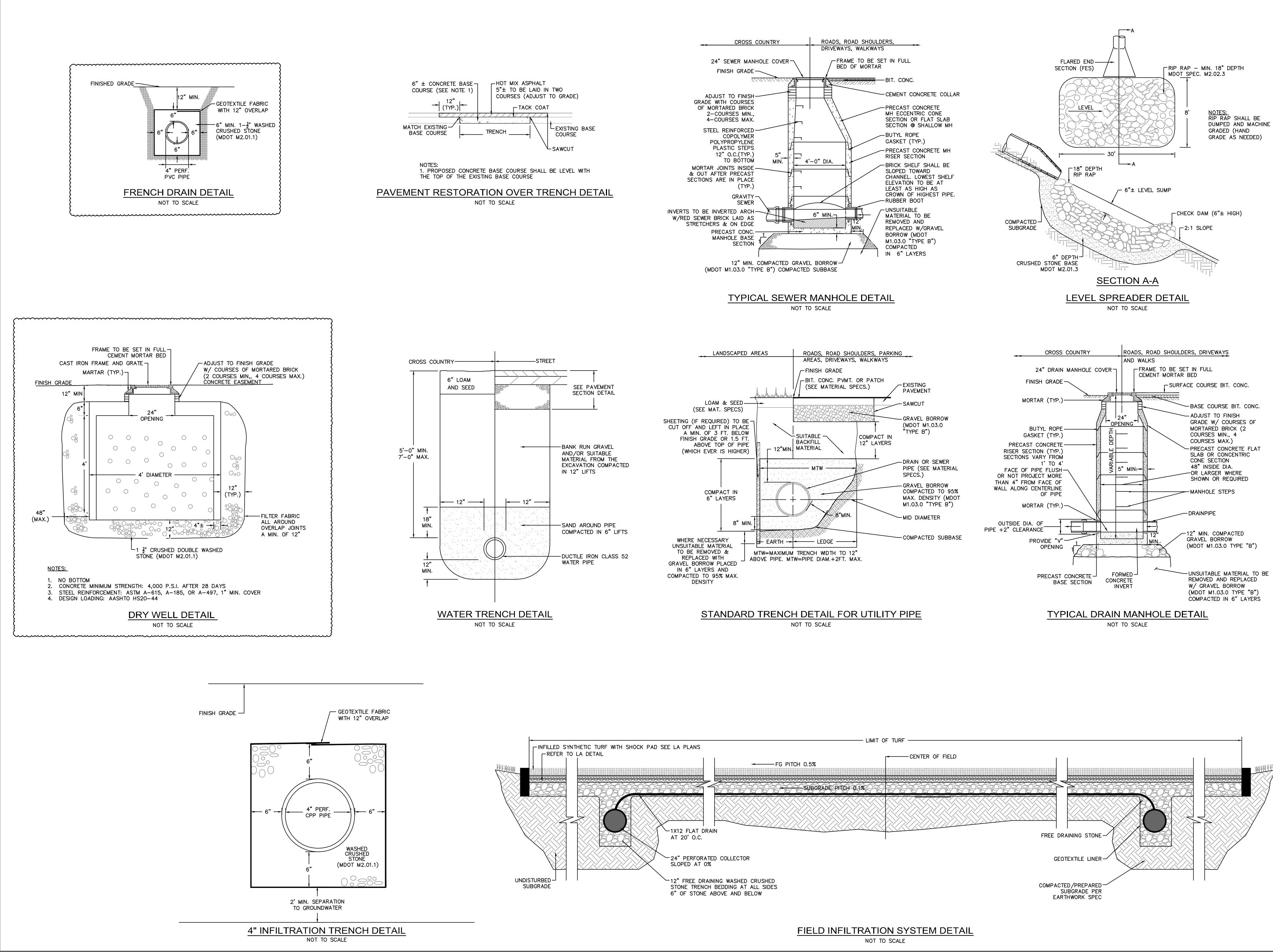


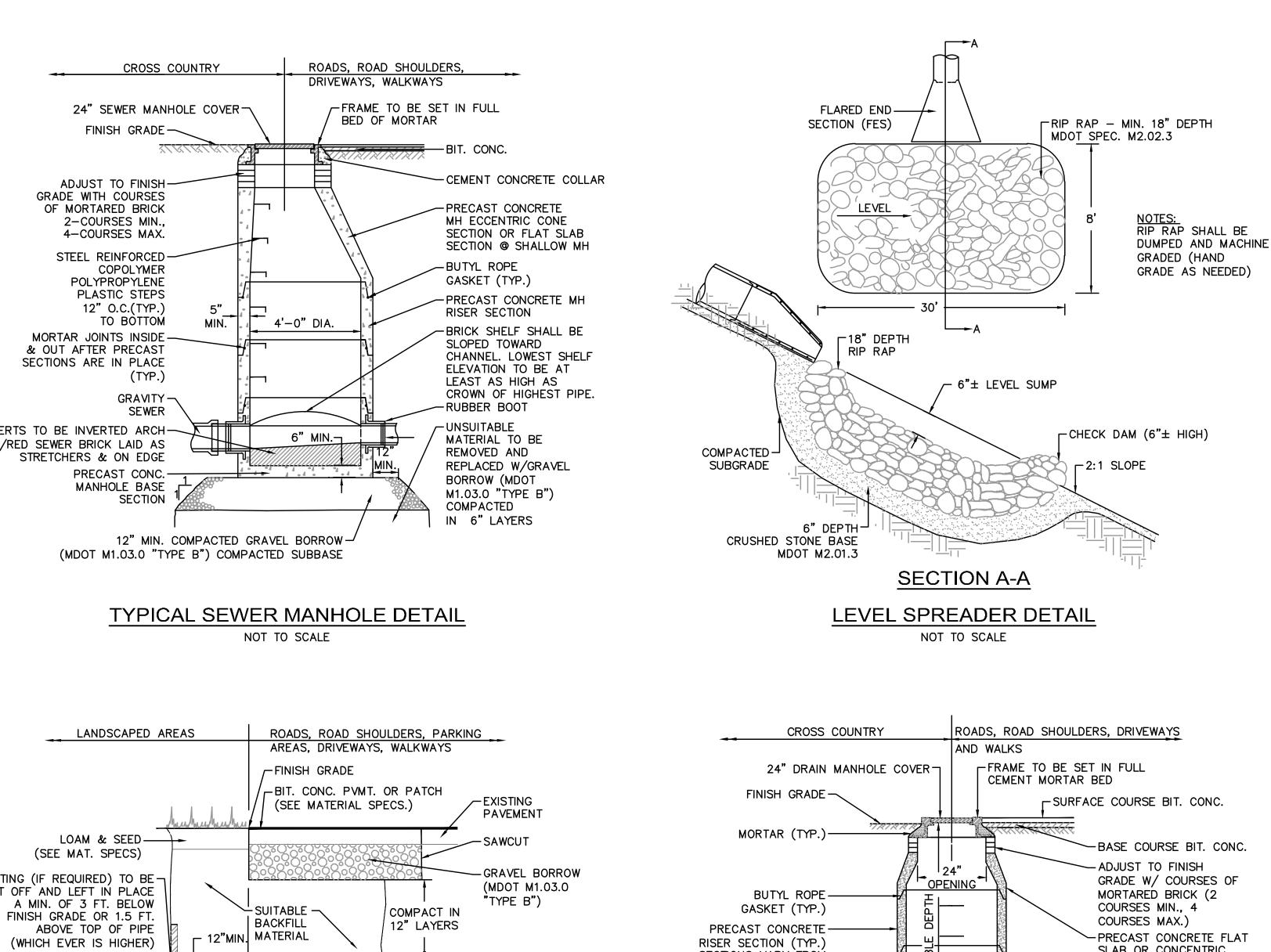


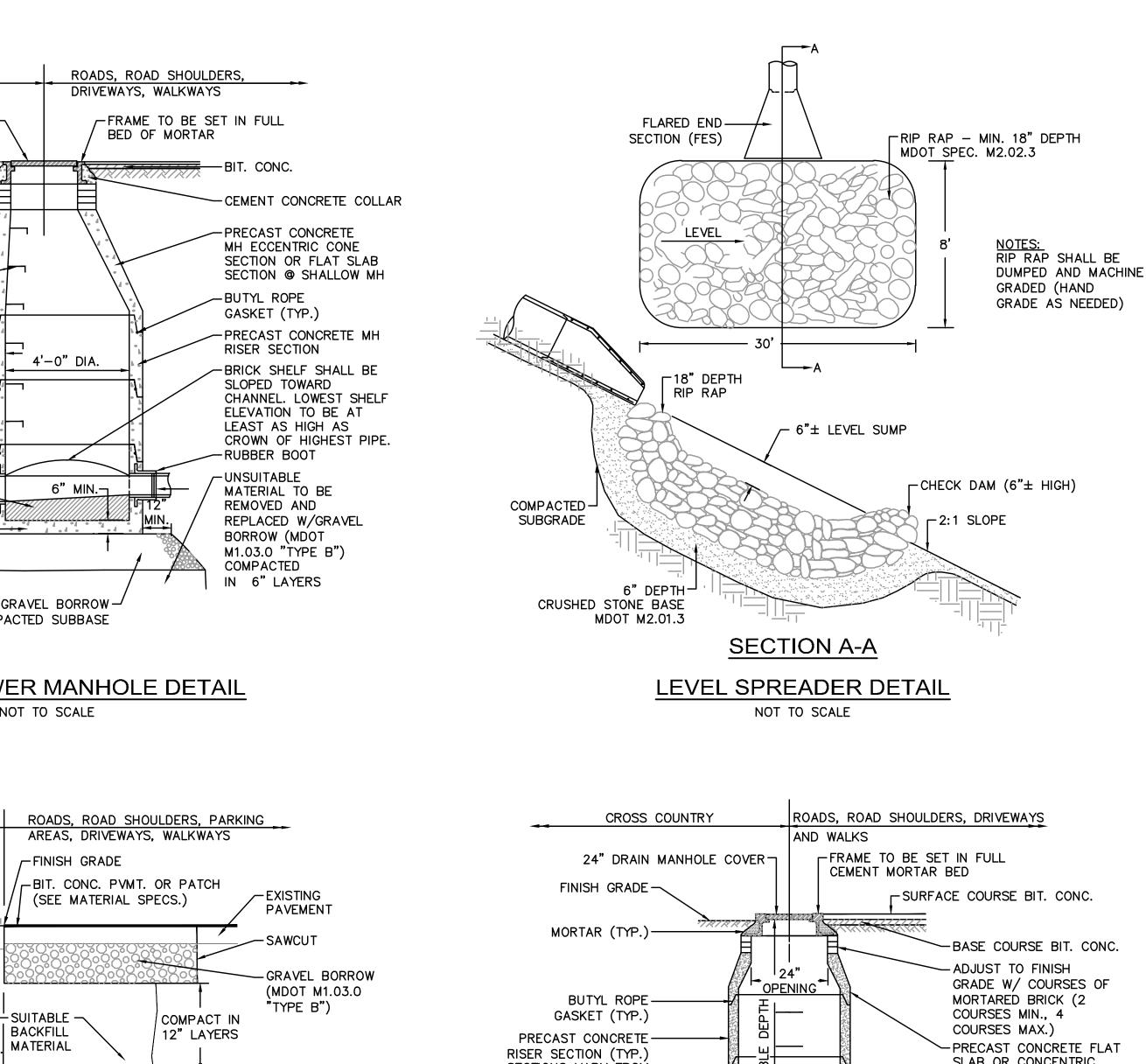


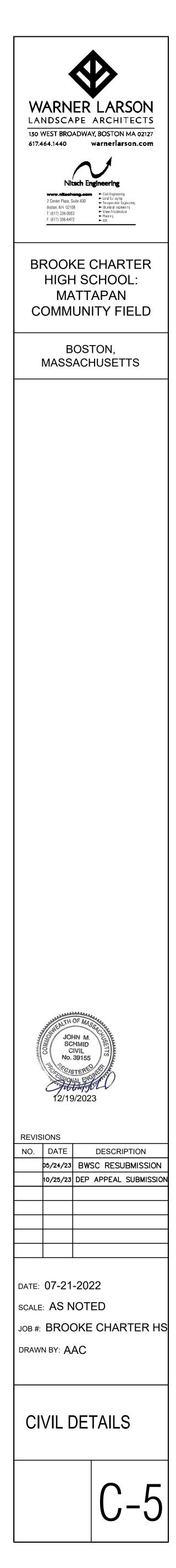












NOTE: DIMENSIONS ARE FOR REF ONLY

# CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTION FOR DETAILS

HDPE TANK DUAL WALL, CORRUGATED 70 GALLON CAPACITY SEMI-POSITIVE DISPLACEMENT TYPE PUMP. EACH DIRECTLY DRIVEN BY A 1 HP MOTOR

DISCHARGE 1-1/4" FPT 1-1/4" DISCHARGE LINE -(304 S.S.) 41.6 in 1057 mm CHECK VALVE (NORYL) TO DISCHARGE ANTI-SIPHON VALVE / (NORYL) \_\_\_\_\_

FIELD JOINT REQUIRED FOR MODELS DH071-129 DR071-129

& DH071-160 / DR071-160

ELECTRICAL QUICK DISCONNECT ~ NEMA 6P (EQD)

QUICK DISCONNECT ASSY .~

(304 S.S.)

S.S. CAST BALL VALVE -

