# 9 GREEN STREET DEVELOPMENT PROJECT

#### OWNER/APPLICANT:

TOWN OF HOLLISTON 1750 WASHINGTON STREET HOLLISTON, MA 01746

#### LANDSCAPE ARCHITECT:

SHADLEY ASSOCIATES, P.C. 1730 MASSACHUSETTS AVENUE LEXINGTON, MA 02420

#### **CIVIL ENGINEER:**



PARE CORPORATION ENGINEERS - SCIENTISTS - PLANNERS 8 BLACKSTONE VALLEY PLACE LINCOLN, RI 02865 401-334-4100

## 9 Green Street Holliston, Massachusetts



SCALE: N.T.S.

### **DECEMBER 5, 2022**

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SHEET No.	DRAWING No.	DESCRIPTION		
-	C0	COVER		
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3	C2.1	EROSION & SEDIMENT CONTROL PLAN		
4	C3.1	GENERAL PLAN		
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#### REFERENCE

ASSESSOR'S MAP 8E, LOT 61.

- PROJECT LOCATION: TOWN OF HOLLISTON, 9 GREEN STREET, HOLLISTON, MA 01746.
- EXISTING CONDITIONS MAPPING TAKEN FROM PLAN ENTITLED "EXISTING CONDITIONS PLAN 9 GREEN STREET HOLLISTON. MA" PREPARED BY LAND PLA
- INC., DATED 1/28/2021. EXISTING CONDITIONS COMPILED FROM AVAILABLE RECORD PLANS, "EXISTING CONDITIONS PLAN 9 GREEN STREET HOLLISTON, MA" PREPARED BY LAN PLANNING INC., DATED 1/28/2021.
- WETLAND FLAGS IDENTIFYING WETLAND RESOURCE AREAS WERE PLACED BY PARE CORPORATION ON 6/15/2022 AND LOCATED BY PARE CORPORATION 4 A GPS DEVICE (LOCATED BY PARE CORPORATION).

#### **GENERAL NOTES**

- THE COMMONWEALTH OF MASSACHUSETTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGE CONSTRUCTION, 2021 EDITION OR LATEST REVIS AND THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPI AS IF ATTACHED HERETO. ALL WORK SHALL MEET OR EXCEED THE MASSACHUSETTS STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTR WITH LATEST REVISIONS. THE LATEST REVISION OF THE STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERM ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND OWNER'S REPRESENTATIVE AS REQUIRED.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIER AROUND ALL OPEN EXCAVATED AREAS IN ACCORDANCE WITH OSHA FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH AN' KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND TH ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF ELEMENTS SHALL BE MADE WITHOUT THE ENGINEERS APPROVAL.
- IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR SHALL IMMEDIATELY CONTACT AN COORDINATE ANY DEVIATIONS WITH THE ENGINEER AND OWNER.
- ANY AREA OUTSIDE OF THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OW
- ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT.
- ALL SIGNS SHALL BE REFLECTORIZED TYPE III SHEETING AND CONFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST REVISIO
- ALL UTILITIES (LOCATION AND ELEVATION) DEPICTED SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA. CO "DIG SAFE" AT 1-888-DIG-SAFE (1-888-344-7233) TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ALL DAMAGE TO EXISTING UTILITIES OR STRUCTURE THE COST TO REPAIR THE DAMAGES TO INITIAL CONDITIONS, AS SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 10. NO EXCAVATION SHALL BE DONE UNTIL COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE. NOTE THAT NOT ALL EXISTING UNDERGROUND UTILITIES AF SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL RESPECTIVE UTILITY COMPANIES TO VERIFY AND LOCATE EXISTING UTILITIES.

#### LAYOUT NOTES

- ALL LINES ARE PERPENDICULAR OR PARALLEL TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
- ACCESSIBLE RAMPS SHALL BE PER THE AMERICAN WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES AND CODE OF MASSACHUSETTS REGULATION ACCESSIBILITY (CMR) TITLE 521 OF THE ARCHITECTURAL ACCESS BOARD REGULATIONS.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL PERFORM BENCHMARK FIELD LEVEL VERIFICATION AND COORDINATE LAYOUT CHECK. THE CONTRACTOR SHALL CONTACT PARE CORPORATION IF ANY DISCREPANCIES ARE FOUND.
- DIMENSIONS OF PARKING SPACES AND DRIVEWAYS ARE FROM FACE OF CURB TO FACE OF CURB. DIMENSIONS FROM BUILDING ARE FROM FACE OF BU 4. TO FACE OF CURB.
- ALIGN WALKWAYS ON DOORWAYS THEY SERVE TO PROVIDE MINIMUM REQUIRED MANEUVERING CLEARANCE IN ACCORDANCE WITH THE AMERICAN WI DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES AND CODE OF MASSACHUSETTS REGULATIONS (CMR) TITLE 521 OF THE ARCHITECTURAL ACCESS REGULATIONS.

#### DEMOLITION NOTES

- THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF STRUCTURES, PAVEMENT AND CONCRETE MATERIALS, AND UTILITIES WITH APPROPRIATE PROPOSED SITE GENERAL, GRADING, UTILITY, AND LANDSCAPING DRAWINGS.
- ALL NOTED UTILITIES TO BE REMOVED AND DISPOSED OF, RELOCATED OR CAPPED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. THI CONTRACTOR SHALL COORDINATE ALL UNFORESEEN CONDITIONS WITH THE PROJECT ENGINEER, OWNER AND/OR RESPECTIVE UTILITY COMPANIES PR PROCEEDING WITH WORK.
- WATER, SEWER, DRAINAGE, GAS, AND OTHER SITE UTILITIES SERVICING THE EXISTING FACILITIES ARE TO REMAIN ACTIVE THROUGHOUT CONSTRUCTION
- 4. THERE SHALL BE NO INTERRUPTION OF UTILITY SERVICES DURING THE CONSTRUCTION OPERATION WITHOUT APPROVAL OF THE OWNER.

#### **GRADING AND UTILITY NOTES**

- UNDERGROUND UTILITIES DEPICTED WERE COMPILED FROM AVAILABLE RECORD PLANS AND SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE (1-888-344-7233) TO ACCURATELY LOCATE UNDERGROUND UTILITIES. A DAMAGE TO EXISTING UTILITIES OR STRUCTURES DEPICTED OR NOT DEPICTED ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS REPAIR SUCH DAMAGES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED.
- ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIO 2.
- AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE S 3 CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
- 4. ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE. RIM ELEVATIO STRUCTURES AND MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED. 5.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE 6. ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION SHALL BE PROVIDED ON A SKETCH TO SCALE OF THE EXISTI UTILITY WITH TIES TO KNOWN POINTS, PHOTOS AND FURNISHED TO THE ENGINEER FOR RESOLUTION.
- THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS SHALL BE RESTORED TO ORIGINAL CONDITION.
- 8. GAS, ELECTRIC, AND COMMUNICATIONS ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY APPROPRIATE UTILITY COMPANIES.
- DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETING AS 9. REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- 10. ALL WATER LINE BENDS AND TEES SHALL BE REINFORCED WITH THRUST BLOCKS. ALL WATER DISTRIBUTION PIPING AND FITTINGS MUST ADHERE TO TI TOWN OF HOLLISTON WATER DEPARTMENT SPECIFICATIONS AND SHALL BE INSPECTED BEFORE, DURING, AND AFTER CONSTRUCTION PRIOR TO TAPPING THE SERVICE MAIN.
- 11. EXCAVATION REQUIRED WITHIN THE 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 COST TO THE OWNER.
- 12. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED.
- 13. THE PROPOSED WALKWAYS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM RUNNING SLOPE OF 5% AS SHOWN ON CONSTRUCTION DETAILS AND GRADING PLAN.

	EROSION AND SEDIMENTATION CONTROL NOTES - MASSACHUSETTES
	1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROLS IN A WITH THE ENVIRONMENTAL PROTECTION AGENCY'S (EPA) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GEN (CGP) AND THE CONTRACT DOCUMENTS.
LANNING	2. THE CONTRACTOR SHALL PREPARE AND SUBMIT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PRIOR TO CONSTRUCTION.
AND	3. THE CONTRACTOR SHALL PREPARE AND SUBMIT AN ELECTRONIC NOTICE OF INTENT (eNOI) WITH THE EPA IN ACCORDANCE WITH THE NDPES PER REQUIREMENTS PRIOR TO CONSTRUCTION.
ION USING	4. SOIL EROSION AND SEDIMENTATION CONTROLS SHALL BE PROVIDED IN ACCORDANCE WITH THE "MASSACHUSETTS EROSION AND SEDIMENT CON GUIDELINES FOR URBAN AND SUBURBAN AREAS" AND THE NOTES AND DETAILS SHOWN IN THIS PLAN SET.
	5. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO I ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OF REPRESENTATIVE.
VISION, IPLETELY TRUCTION,	6. REQUIRED PERIMETER CONTROL SHALL BE PROPERLY ESTABLISHED, CLEARLY VISIBLE AND IN OPERATION PRIOR TO INITIATING ANY LAND CLEAR ACTIVITY AND/OR OTHER CONSTRUCTION RELATED WORK. SUCH FACILITIES SHALL REPRESENT THE LIMIT OF WORK. WORKERS SHALL BE INFORM CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGHOUT THE CONSTRUCTION PERIOD.
RMITS, PAY	7. AS FEASIBLE, CONSTRUCTION SHALL BE PHASED TO LIMIT THE AREA OF EXPOSED SOIL AND THE DURATION OF EXPOSURE. ALL DISTURBED AREA TEMPORARILY AND/OR PERMANENTLY STABILIZED WITHIN 14 DAYS FOLLOWING COMPLETION OF GRADING ACTIVITIES.
D. ERS	8. THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE CONTRAC DOCUMENTS.
NY	9. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH STORM EVEN INCH OR GREATER DURING CONSTRUCTION TO ENSURE THAT THE EROSION CONTROL BARRIERS ARE INTACT.
THE F SITE	10. CLEAN AND MAINTAIN SEDIMENTATION CONTROL BARRIERS WHEN SEDIMENT ACCUMULATES TO ONE HALF THE HEIGHT OF THE BARRIER. MATERI COLLECTED FROM THE SEDIMENTATION BARRIER SHALL BE REMOVED AS NECESSARY AND DISPOSED IN AN UPLAND AREA.
AND	11. THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT RESERVE OF VARIOUS EROSION CONTROL MATERIALS ONSITE AT ALL TIMES FOR EMERGENCY OR ROUTINE MAINTENANCE.
OWNER.	12. THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUB GRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PUDDLING. SPE ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REC STABILIZED DISCHARGE POINTS.
ION.	13. SOIL AND OTHER MATERIALS RESULTING FROM SITE CLEARING MAY BE RECYCLED AND/OR REUSED ON THE SITE AS APPROPRIATE. WASTE MATE BE REMOVED FROM THE SITE.
CONTACT JRES, AND	14. CRUSHED STONE CONSTRUCTION ENTRANCES SHALL BE ESTABLISHED AT ALL POINTS OF INGRESS AND EGRESS.
ARE	15. TEMPORARY DIVERSIONS (TD) MAY CONSIST OF A DITCH OR SWALE, OR MAY BE ACHIEVED USING WOOD CHIP PILES, COIR LOGS, OR SIMILAR MAT
	16. TEMPORARY SEDIMENT TRAPS (TST) AND TEMPORARY SWALES (TS) SHALL BE SIZED BY THE CONTRACTOR USING THE PARAMETERS CONTAINED MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES.
	17. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
ATIONS	18. CATCH BASINS AND STORM DRAINS SHALL BE PROTECTED WITH HAY BALES OR SEDIMENT BAGS IN PAVED AREAS UNTIL CONTRIBUTING AREA IS PERMANENTLY STABILIZED.
E	19. DEWATERING WASTEWATER PUMPED FROM EXCAVATIONS SHALL BE CONVEYED BY HOSE TO AN UPLAND AREA AND DISCHARGED INTO A DEWAT HAY BALE CORRALS, OR SEDIMENTATION BAGS.
BUILDING	20. CONSTRUCTION SITE WASTE MATERIALS SHALL BE PROPERLY CONTAINED ONSITE AND DISPOSED OFF SITE AT A LOCATION IN ACCORDANCE WIT AND STATE REGULATIONS.
WITH	21. RIPRAP OR OTHER ENERGY DISSIPATERS SHALL BE USED WHERE NECESSARY TO CONTROL EROSION.
S BOARD	22. ANY EQUIPMENT THAT IS NOT READILY MOBILE (TRACK MACHINERY) SHALL BE PARKED WITHIN THE PROJECT LIMIT OF DISTURBANCE. LARGE AND MATERIALS SHALL BE STORED SUCH THAT THEY DO NOT INTERFERE WITH THE ONGOING CONSTRUCTION ACTIVITIES OR EROSION CONTROL MEA
	23. NEWLY VEGETATED AREAS SHALL BE REGULARLY INSPECTED AND MAINTAINED TO ENSURE THE ESTABLISHMENT OF STABLE VEGETATED SURFA
ГЕ	24. THE CONTRACTOR SHALL NOT REMOVE ANY COMPOST FILTER SOCKS OR OTHER EROSION CONTROLS UNTIL THE CONTRIBUTING AREA IS PERMA STABILIZED.
THE 9 PRIOR TO	25. ALL DRAINAGE STRUCTURES SHALL BE CLEARED OF ACCUMULATED SEDIMENT PRIOR TO ACCEPTANCE OF THE FINAL PROJECT. THE CONTRACTO SCHEDULE HIS WORK TO ALLOW THE FINISHED SUB GRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PONDING. SPECIFICALLY, ALLOW WATER WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REC STABILIZED DISCHARGE POINTS.
TION.	26. INSTALLATION OF THE EROSION CONTROL BARRIERS AS ILLUSTRATED IS INTENDED TO REPRESENT THE MINIMUM SEDIMENTATION CONTROL FAC NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WAR DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
	27. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS UPON COMPLETION OF WORK IN THAT AREA.
	STATE RIGHT-OF-WAY NOTES
5. ANY TS TO Y	<ol> <li>ALL WORK TO BE PERFORMED WITHIN THE COMMON WEALTH OF MASSACHUSETTS PUBLIC RIGHT-OF-WAY (ROW) SHALL CONFORM TO THE MASSA STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGE CONSTRUCTION, 1988 EDITION OR LATEST REVISION, AND THE MASSACHUSETTS DEPART TRANSPORTATION CONSTRUCTION STANDARD DETAILS.</li> </ol>
FIONS.	2. THE CONTRACTOR SHALL APPLY FOR AND OBTAIN A UTILITY PERMIT FROM THE MASSDOT FOR UTILITY WORK WITHIN THE PUBLIC ROW AND MAKE A NECESSARY CONSTRUCTION NOTIFICATIONS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENG OWNER'S REPRESENTATIVE AS REQUIRED.
BE SAW	3. THE CONTRACTOR SHALL PREPARE A TRANSPORTATION MANAGEMENT PLAN INCLUDING A TEMPORARY TRAFFIC CONTROL PLAN AS REQUIRED FO MASSDOT UTILITY PERMIT APPLICATION AT NO ADDITIONAL EXPENSE TO THE OWNER.
TIONS OF	4. ALL TEMPORARY TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), LATEST F
STING	
	CONSTRUCTION NOTES - MASSDOT STANDARDS
	106.3.0 = METHOD OF SETTING VERTICAL CURB - M.A. STD. 106.3.0
B AS	107.6.0 = WHEELCHAIR RAMPS FOR ONE CONTINUOUS DIRECTION OF PEDESTRIAN TRAVEL - M.A. STD. 107.6.0
) THE	107.6.5 = DETECTABLE WARNING PANEL FOR WHEELCHAIR RAMPS - M.A. STD. 107.6.5
PPING THE	201.4.0 = PRECAST CONCRETE CATCH BASIN - M.A. STD. 201.4.0

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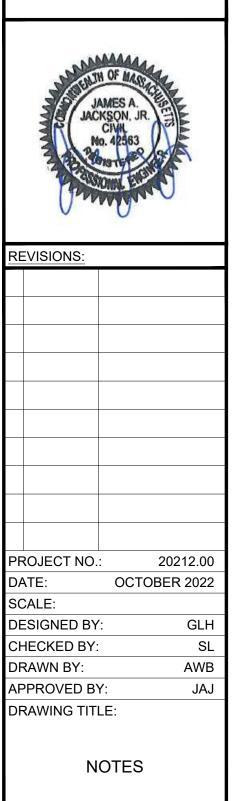
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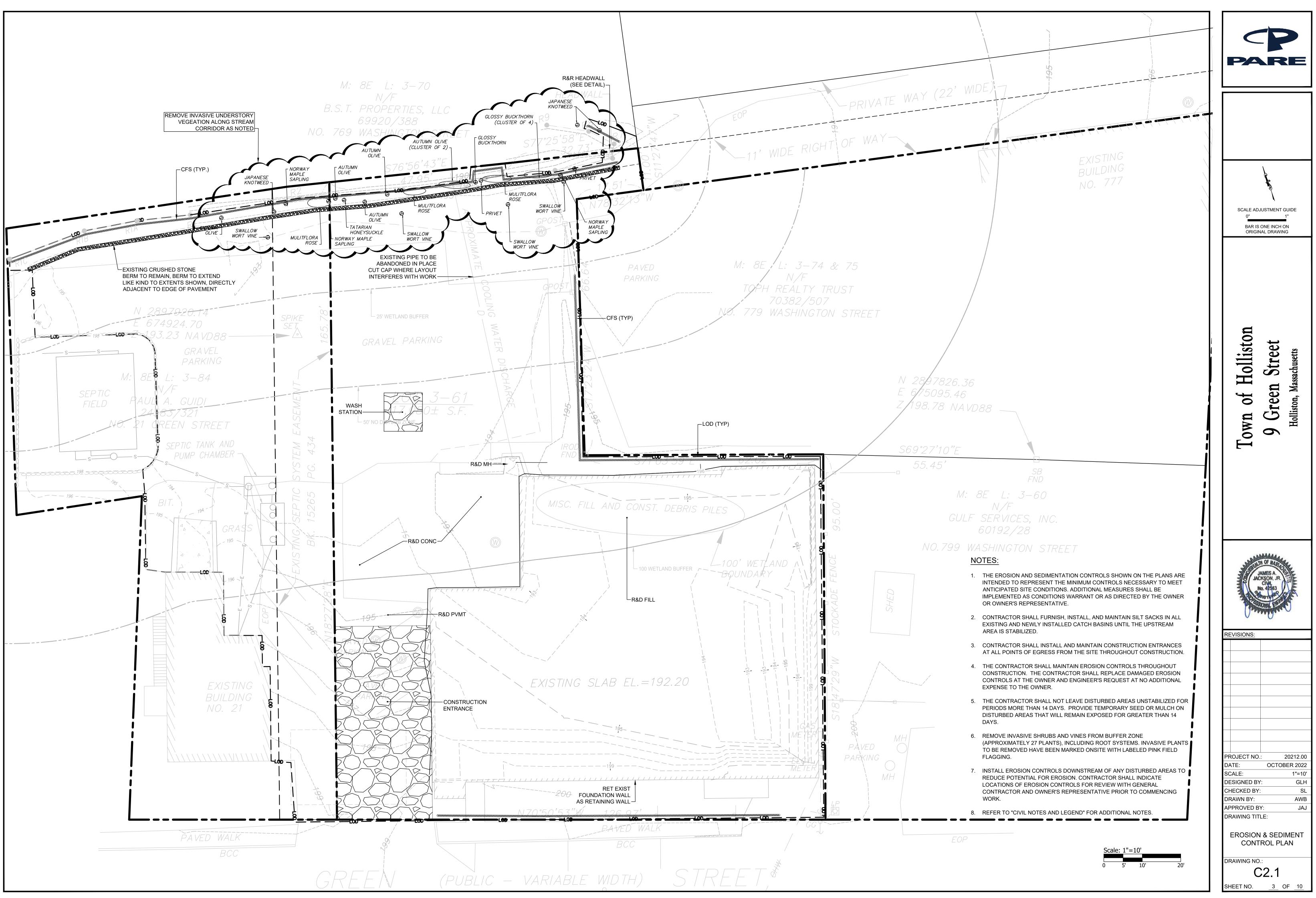
DRAWING NO. SHEET NO. 1 OF 10

<u>GENERAL</u>	
AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUST
-	
APPROX	
AC	
	ASPHALT COATED CORRUGATED METAL PIPE
ASSF	AREA SUBJECT TO STORM FLOWAGE
ATD	ASPHALT TURNDOWN
ATG	ADJUST TO GRADE
BB	BITUMINOUS BERM
вс	BOTTOM OF CURB (FINISHED GRADE ON LOW SIDE OF CURB)
BD	BOUND
ЫТ	BITUMINOUS
BL	BASELINE
BLDG	BUILDING
BM	BENCHMARK
BMP	BEST MANAGEMENT PRACTICE
во	BY OTHERS
BOL	BOLLARD
BOS	BOTTOM OF SLOPE
ВОТ	BOTTOM
BPM	BLACKOUT PAVEMENT MARKING
3R	BRIDGE
BS	BOTTOM OF STAIR (FINISHED GRADE AT BOTTOM STAIR)
BW	BOTTOM OF WALL (FINISHED GRADE ON LOW SIDE OF WALL)
BWL	BROKEN WHITE LINE
	BROKEN VELLOW LINE
BYL	
C=	
СВ	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CC	CEMENT CONCRETE
ССМ	CEMENT CONCRETE MASONRY
CCW	CEMENT CONCRETE WALK
CD	CHECK DAM
CE	CONSTRUCTION ENTRANCE
CEM	CEMENT
CFS	COMPOST FILTER SOCK
CG	
СН	CHORD LENGTH
CI	CURB INLET
CIP	CAST IRON PIPE
CL	CENTERLINE
CLDI	CEMENT-LINED DUCTILE IRON
CLF	CHAIN LINK FENCE
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CLR	CLEAR
CLS	CLASS
CM	SAWCUT AND MATCH
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CP	CONCRETE PAD
CR GR	CROWN GRADE
CSP	CORRUGATED STEEL PIPE
CSTR	CONCRETE STAIRS
CTE	CONCRETE STARS
CW	CROSSWALK
DEMO	
DET	DETECTABLE
DHV	DESIGN HOURLY VOLUME
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DIV	DIVERSION
DMH	DRAIN MANHOLE
DTP	DRIPLINE TREE PROTECTION
DTF	DOTTED WHITE LINE
DBWL	
DWP	DETECTABLE WARNING PAVER
DYL	DOTTED YELLOW LINE
DYLEx	DOTTED YELLOW LINE EXTENSION
DBYL	DOUBLE YELLOW LINE
DW	STEADY DON'T WALK - PORTLAND ORANGE
DWY	DRIVEWAY
ELEV (or EL)	ELEVATION
EMB	
ЕМН	ELECTRIC MANHOLE
	EDGE OF PAVEMENT
ЕМН	
EMH EOP	EDGE OF PAVEMENT EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION.

F&C	FRAME AND COVER
F&G FDN	FRAME AND GRATE FOUNDATION
FES	FLARED END SECTION
FFE	FINISH FLOOR ELEVATION
FLDSTN FND	FIELDSTONE FOUND
FT	FOOT
GAR	GARAGE
GD	GROUND
GG GI	GAS GATE GUTTER INLET
GIP	GOTTER INLET GALVANIZED IRON PIPE
GRAN	GRANITE
GRAV	GRAVEL
GRD GTD	GUARD GRADE TO DRAIN
GV	GATE VALVE
HCPS	HANDICAP ACCESSIBLE PARKING SIGN
HDBC	HEAVY DUTY BITUMINOUS CONCRETE
HDPE HDPS	HIGH DENSITY POLYETHYLENE PIPE HANDICAP ACCESSIBLE PARKING SIGN
HDW	HEADWALL
HMA	HOT MIX ASPHALT
HMAW	HOT MIXED ASPHALT WALKWAY
HOR HPR	HORIZONTAL HEADWALL PROTECTION RACK
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
JCT L=	JUNCTION LENGTH OF CURVE
L= LB	LEACH BASIN
LOD	LIMIT OF DISTURBANCE
LP	LOW POINT
LS LSOD	LOAM AND SEED LOAM AND SOD
LI	LEFT
LTP	LIGHT POLE
MAX	MAXIMUM
MB MCW	MAILBOX MONOLITHIC CONCRETE WALK
MEW	MANHOLE
MIN	MINIMUM
MON	
MUTCD NIC	MANUAL OF UNIFORM TRAFFIC CONTROL DE NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OCS	OUTLET CONTROL STRUCTURE
OD OSHA	OUTSIDE DIAMETER OCCUPATIONAL SAFETY AND HEALTH ADMII
OWS	OIL WATER SEPARATOR
PC	POINT OF CURVATURE
PCC PCFES	POINT OF COMPOUND CURVATURE PRECAST CONCRETE FLARED END SECTION
PCTC	PRECAST CONCRETE TRANSITION CURB
PCR	PEDESTRIAN CURB RAMP
PE	POLYETHYLENE
PERF PGL	PERFORATED PROFILE GRADE LINE
PGL	PROFILE GRADE LINE POROUS HOT MIXED ASPHALT PAVEMENT
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
POT PM	POINT ON TANGENT PAVEMENT MARKING
PRC	POINT OF REVERSE CURVATURE
PROJ	PROJECT
PROP	PROPOSED
PSB PT	PLANTABLE SOIL BORROW POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVCH	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVT PVMT	POINT OF VERTICAL TANGENCY PAVEMENT
PWW	PAVED WATER WAY
QPA	QUALIFYING PERVIOUS AREA
R&D	REMOVE AND DISPOSE
R&R R&S	REMOVE AND RESET REMOVE AND STACK
R=	RADIUS
RA	RAILING
RCP	REINFORCED CONCRETE PIPE
RDWY REM	ROADWAY REMOVE
RET	RETAIN
RET WALL	RETAINING WALL

	RRLS	RIPRAP LEVEL SPREADER				
	ROW	RIGHT OF WAY		LEGEND		
	RR	RAILROAD	EXISTING		PROPOSED	PARE
	RRS	RIPRAP SLOPE		PROPERTY LINE		
	RS	RIPRAP SPILLWAY		SETBACKS		
	RT RTAD	RIGHT REFER TO ARCHITECTURAL DRAWINGS				
	RTED	REFER TO ELECTRICAL DRAWINGS		EASEMENT LINE		
	RTFPD	REFER TO FIRE PROTECTION DRAWINGS	<i>255</i>	CONTOUR	262	
	RTLD	REFER TO LANDSCAPE DRAWINGS	X 407.5	SPOT ELEVATION	× 261.5	
	RTMD	REFER TO MECHANICAL DRAWINGS	~ 407.5	SPOT ELEVATION	20110	
	RTPD		DDD	DRAINAGE LINE	DDD	
	RTSD S=	REFER TO STRUCTURAL DRAWINGS SLOPE	WWWW	WATER LINE	www	
	S= SB	SLOPE SAND BAG EROSION CONTROL BARRIER				
	SDR	STANDARD DIMENSIONAL RATIO		FIRE WATER LINE	——————————————————————————————————————	
	SED	SEDIMENT	SSS	SANITARY SEWER LINE	SSS	
	SESC	SOIL EROSION AND SEDIMENT CONTROL				
	SFL	STATE FREEWAY LINE	GG	GAS LINE	GG	
	SFCD	SEDIMENT FOREBAY CHECK DAM	———Е ————Е ————Е ————	ELECTRIC	———Е ————Е ————Е ————	SCALE ADJUSTMENT GUIDE
	SG SHL	SWING GATE STATE HIGHWAY LINE	ТТТ		TTTT	
	SHLD	SHOULDER		TELEPHONE LINE		BAR IS ONE INCH ON ORIGINAL DRAWING
	SHLO	STATE HIGHWAY LAYOUT	OHW	OVERHEAD ELECTRIC LINE	OHW	
	SHP	HANDICAP PARKING PAVEMENT MARKING		LIMIT OF DISTURBANCE	LOD	
	SM	SEDIMENT MARKER				
	SMH	SEWER MANHOLE	LIMIT	OF DISTURBANCE/COMPOST FILTER	SOCK LOD/CFS	
	SSD	STOPPING SIGHT DISTANCE		CATCH BASIN		
	ST STA	STREET STATION			—	
	SW	SIDEWALK		HYDRANT		
	SWL	SINGLE SOLID WHITE LINE	$\bigcirc$	DRAINAGE MANHOLE	$\bullet$	
	SWR	SEWER				
	SYL	SINGLE SOLID YELLOW LINE	S	SEWER MANHOLE	$\blacksquare$	<b>¤</b>
	T=	TANGENT DISTANCE OF CURVE/TRUCK %		UTILITY POLE		it the second se
	TAN		$\mathbb{W} \mathbb{V} \textcircled{\otimes} \mathbb{W} \mathbb{V}$	WATER VALVE	M	ee lits
	TD TEMP	TEMPORARY DIVERSION TEMPORARY				Holliston Street assachusetts
	TC	TOP OF CURB	GG 🔘	GAS GATE		sch S
	TDS	TEMPORARY DIVERSION SWALE	¢.	LIGHT POLE		Mass Mass
	TGP	TREE GROUP PROTECTION			\ ^ ^ ^ ^ / ^ / / / / / / / / / / / /	
	TIP	TEMPORARY INLET PROTECTION		TREE LINE		vn of Gree Holliston,
	TMH		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	STONE WALL		
	TOS TP	TOP OF SLOPE TEST PIT	XXX	CHAIN LINK FENCE	<u> </u>	H <sub>e</sub> W
DEVICES, LATEST EDITION	TRAN	TRANSITION				0 MO
, <u> </u>	TRM	TURF REINFORCEMENT MAT		WIRE FENCE	<u> </u>	
	TS	TOP OF STAIR (FINISHED GRADE OF TOP STAIR)		WOOD FENCE	<u>00000000</u> 00	
	TST	TEMPORARY SEDIMENT TRAP				
	TSW	TEMPORARY SWALE		FENCE		
	TW	TOP OF WALL		CURBING		
DMINISTRATION	TYP UP	TYPICAL UTILITY POLE				
	VAR	VARIES		EDGE OF PAVEMENT		
	VERT	VERTICAL		SAWCUT LINE		
ION	VC	VERTICAL CURVE	0	SIGN	<b></b>	
	VCC	VERTICAL CONCRETE CURB				
	VCP	VEHICULAR CONCRETE PAVEMENT		COMPOST FILTER SOCK		
	VFC			SAND BAGS		
	VEG VEH	VEGETATION VEHICULAR	#	NO. OF PARKING SPACES	#	ST STATE OF MARIE
т	VES	VEGETATED FILTER STRIP		WETLAND EDGE	<u> </u>	JAMES A. JACKSON, JR.
	VGC	VERTICAL GRANITE CURB				No. 42563
	VGTC	VERTICAL GRANITE TRANSITION CURB		25' WETLAND BUFFER		A State of the state
	VLF	VINYL FENCE		50' NO DISTURB ZONE		Contraction of the second s
	w/	WITH		100' WETLAND BUFFER		
	WG WIP	WATER GATE WROUGHT IRON PIPE				
	WIP WM	WROUGHT IRON PIPE WATER METER/WATER MAIN				REVISIONS:
	WMH	WATER MANHOLE				
	WPM	WATER PAINT MARK				
	X-SECT	CROSS SECTION				
	YD	YARD DRAIN				
	4DY	4" DOUBLE YELLOW EPOXY RESIN PAVEMENT MARKING				
	4W 12W	4" SOLID WHITE EPOXY RESIN PAVEMENT MARKING 12" SOLID WHITE EPOXY RESIN PAVEMENT MARKING				
	I Z VV					
	MASSAC	CHUSETTS ABBREVIATIONS				
	GENERAL					PROJECT NO.: 20212.00 DATE: OCTOBER 2022
	CMR	CODE OF MASSACHUSETTS REGULATIONS				SCALE:
	MASSDEP	MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION				DESIGNED BY: GLE
	MASSDOT	MASSACHUSETTS DEPARTMENT OF TRANSPORTATION				CHECKED BY: SI
	MA STD.	MASSACHUSETTS STANDARD				DRAWN BY: AWE
	MHB	MASSACHUSETTS HIGHWAY BOUND				APPROVED BY: JA
						DRAWING TITLE:
						LEGEND
						DRAWING NO.:
						C1.2
						SHEET NO. 2 OF 10

GENERAL	
CMR	CODE OF MASSACHUSETTS REGULATIONS
MASSDEP	MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
MASSDOT	MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
MA STD.	MASSACHUSETTS STANDARD
MHB	MASSACHUSETTS HIGHWAY BOUND



	Ζ.Ι	
SHEET NO.	3	OF

