MASSACHUSETTS DEPARTMENT OF **CONSERVATION & RECREATION**

SHEET NO.
1
2
3
4
5,6
7,8
9
10 - 14
15

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PLAN AND PROFILE OF

MCRT WALTHAM LINDEN STREET BRIDGE

IN THE CITY OF

WALTHAM MIDDLESEX COUNTY







LENGTH OF PROJECT = 297 FEET = 0.06 MILES

SEPTEMBER 25, 2024

MCRT WALTHAM LINDEN STREET BRIDGE SHEET TOTAL NO. SHEET

1

MADCR PROJECT NO. P25-3582-C1/



WALTHAM

THESE PLANS ARE SUPPLEMENTED BY THE OCTOBER 2017 CONSTRUCTION STANDARD DETAILS THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD AND SUPPORTS. THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK



DESIGN SPEED
ADT (2017)
ADT (2037)
К
D
T (PEAK HOUR)
T (AVERAGE DAY)
DHV
DDHV
FUNCTIONAL CLASSIFICATION

LINDEN STREET 18 MPH 4,100 4,293 9% 0% 0% 387

MULTI-USE PATH

BEAVER STREE 35 MPH 16,409 18,979 10% 50%

1,641 820 MINOR ARTERIAL



JB		
	JB	JERSEY BARRIER
⊞ ⊕ ∰ CB	СВ	
© FP	Ø FP	FLAG POLE
G GP	G GP	GAS PUMP
□ MB		MAIL BOX
\square		POST SQUARE POST CIRCULAR
⊕ WELL	⊕ WELL	WELL
□ EHH	□ EHH	ELECTRIC HANDHOLE
	0	FENCE GATE POST
• BHL #	 BHL # 	BORING HOLE
↔ MW #	↔ MW #	MONITORING WELL
■ IP #	I TP#	TEST PIT HYDRANT
*	*	LIGHT POLE
CO.BD.		COUNTY BOUND
	0	GPS POINT
D	0	DRAINAGE MANHOLE
E	Ē	ELECTRIC MANHOLE
G	(C) (N)	GAS MANHOLE MISC MANHOLE
S	(U) (S)	SEWER MANHOLE
(T)	(T)	TELEPHONE MANHOLE
(W) Mhr	(₩) ■ MHR	WATER MANHOLE MASSACHUSETTS HIGHWAY BOUND
MON		MONUMENT
SB		STONE BOUND
∆ IB		TOWN OR CITY BOUND TRAVERSE OR TRIANGULATION STATION
TPL or GUY	→ TPL or GUY	TROLLEY POLE OR GUY POLE
HTP		TRANSMISSION POLE
UPDI	-&- UFB	UTILITY POLE W/ FIREBOX UTILITY POLE WITH DOUBLE LIGHT
ULT	_&ULT	UTILITY POLE W / 1 LIGHT
UPL	UPL	
SIZE & TYPE		TREE
0		STUMP
WG	• WG	SWAMP / MARSH WATER GATE
PM	• PM	PARKING METER
		- OVERHEAD CABLE/WIRE
99		= CURBING - CONTOURS (ON-THE-GROUND SURVEY DATA)
99		- CONTOURS (PHOTOGRAMMETRIC DATA)
		- UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)
		- UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER)
		- UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER)
		- UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER) - UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER)
×>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	BALANCED STONE WALL
		- GUARD RAIL - STEEL POSTS
	<u> </u>	- GUARD RAIL - WOOD POSTS - CHAIN LINK OR METAL FENCE
		- WOOD FENCE
······································		SEDIMENT CONTROL BARRIER
/		- SAWCUT LINE
		- EDGE OF PAVEMENT
		 I OP OR BOTTOM OF SLOPE / LIMIT OF WORK / COMPOST FILTER SOCK (UNLESS NOTED OTHERWISE ON PLANS)
		BANK OF RIVER OR STREAM
		BORDER OF WETLAND
		200 FT RIVERFRONT BUFFER
		– TOWN OR CITY LAYOUT – COUNTY LAYOUT
		-RAILROAD SIDELINE
		TOWN OR CITY BOUNDARY LINE
		EASEMENT
		WETLAND FLAG
×		WETLAND EDGE REMOVE TREE
$\hat{\bigcirc}$		TREE PROTECTION
~		

TRAFFIC SYMBOLS			ABBREVIATIO	ONS		
EXISTING	PROPOSED	DESCRIPTION	GENERAL		Μ	WALTHAM CRT WALTHAM LINDEN STREET BRIDGE
Ø 1	<i>Q</i> 1	CONTROLLER PHASE ACTUATED	AADT	ANNUAL AVERAGE DAILY TRAFFIC		SHEET TOTAL
				ABANDON		NO. SHEETS
	Ō	TRAFFIC SIGNAL HEAD (SIZE AS NOTED)	APPROX.	APPROXIMATE		MADCR PROJECT NO. P25-3582-C1A
			A.C.	ASPHALT CONCRETE		LEGEND & ABBREVIATIONS
		WIRE LOOP DETECTOR (6 X 6 TYP UNLESS OTHERWISE SPECIFIED)	ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE		
		VIDEO DETECTION CAMERA	BH. BC	BITUMINOUS BOTTOM OF CURB		
$\triangleright \Box$		MICROWAVE DETECTOR	BD.	BOUND		
\oplus	•	PEDESTRIAN PUSH BUTTON, SIGN (DIRECTIONAL ARROW AS SHOWN) AND SADDLE	BL	BASELINE	ABBREVIAT	TIONS (cont.)
*	*	EMERGENCY PREEMPTION CONFIRMATION STROBE LIGHT	BLDG	BUILDING	GENERAL	
<───	◄	VEHICULAR SIGNAL HEAD	BO	BY OTHERS	PVW	= PAVED WATERWAY
≪]	← –	VEHICULAR SIGNAL HEAD. OPTICALLY PROGRAMMED	BOS	BOTTOM OF SLOPE	R	RADIUS OF CURVATURE
4	-		BR.	BRIDGE	R&D	REMOVE AND DISPOSE
7			CBCI	CATCH BASIN CATCH BASIN WITH CURB INLET	RCP	REINFORCED CONCRETE PIPE
		PEDESTRIAN SIGNAL HEAD, (TTPE AS NOTED OR AS SPECIFIED)	CC	CEMENT CONCRETE	RDWY	ROADWAY
		RAILROAD SIGNAL	CCM	CEMENT CONCRETE MASONRY	REM	REMOVE
		SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)	CEM			
		MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)	CFS	CUMPOST FILTER SOCK	ROW	RIGHT OF WAY
		HIGH MAST POLE OR TOWER	CIP	CAST IRON PIPE	RR	RAILROAD
		SIGN AND POST	CLF	CHAIN LINK FENCE	R&R	REMOVE AND RESET
		SIGN AND POST (2 POSTS)			R&S RT	REMOVE AND STACK
		MAST ARM WITH LUMINAIRE	CMP CSP	CORRUGATED METAL PIPE	SB	STONE BOUND
			CO.	COUNTY	SHLD	SHOULDER
			CONC	CONCRETE	SMH	SEWER MANHOLE
		CONTROL CABINET, GROUND MOUNTED	CONT	CONTINUOUS	STA	STREET
		CONTROL CABINET, POLE MOUNTED	CR GR	CROWN GRADE	SSD	STOPPING SIGHT DISTANCE
		FLASHING BEACON CONTROL AND METER PEDESTAL	DHV	DESIGN HOURLY VOLUME	SHLO	STATE HIGHWAY LAYOUT LINE
		LOAD CENTER ASSEMBLY	DI		SW T	SIDEWALK
		PULL BOX 12"x12" (OR AS NOTED)	DIA		TAN	TANGENT DISTANCE OF CORVE/TROCK %
		ELECTRIC HANDHOLE 12"x24" (OR AS NOTED)	DW	STEADY DON'T WALK - PORTLAND ORANGE	TEMP	TEMPORARY
			DWY	DRIVEWAY	TC	TOP OF CURB
			ELEV (or EL.)	ELEVATION	TOS TVP	TOP OF SLOPE
				EMBANKMENT	UP	UTILITY POLE
			EXIST (or EX)	EXISTING	VAR	VARIES
			EXC	EXCAVATION	VERT	
			F&C	FRAME AND COVER	VC WCR	VERTICAL CURVE WHEEL CHAIR RAMP
			F&G FDN	FRAME AND GRATE	WG	WATER GATE
			FLDSTN	FIELDSTONE	WIP	WROUGHT IRON PIPE
			GAR	GARAGE	WM	WATER METER/WATER MAIN
			GD	GROUND	X-SECT	CRUSS SECTION
	55 SYMBOLS		G	GAS GATE GUTTER INI ET		
EXISTING	PROPOSED	DESCRIPTION	GIP	GALVANIZED IRON PIPE		
		PAVEMENT ARROW - WHITE	GRAN	GRANITE		
		LEGEND "ONLY" - WHITE	GRAV	GRAVEL		
		STOP LINE - 12"	GRD HDW	GUARD HEADWALL	CAB	CABINET CLOSED CIRCUIT VIDEO EQUIPMENT
		CROSSWALK - 2' SOLID WHITE LINE 2' SPACE	НМА	HOT MIX ASPHALT	DW	STEADY UPRAISED HAND
			HOR	HORIZONTAL	FDW	FLASHING UPRAISED HAND
		SOLID WHITE LINE - 6 REFLECTORIZED	HYD	HYDRANT	FR	FLASHING CIRCULAR RED
		SOLID YELLOW LINE		JUNCTION	FRR	FLASHING RED RIGHT ARROW
		BROKEN WHITE LINE	L	LENGTH OF CURVE	FY	FLASHING CIRCULAR YELLOW
		BROKEN YELLOW LINE (3-9-3)	LB		FYL	FLASHING YELLOW LEFT ARROW
		DOTTED WHITE LINE	LP I T	LIGHT POLE	г î К G	FLASHING YELLOW RIGHT ARROW
		DOTTED YELLOW LINE	L I MAX	MAXIMUM	GL	STEADY GREEN LEFT ARROW
		DOTTED WHITE LINE EXTENSION	MB	MAILBOX	GR	STEADY GREEN RIGHT ARROW
-			MH	MANHOLE	GSL	STEADY GREEN SLASH LEFT ARROW
			МНВ міні	MASSACHUSETTS HIGHWAY BOUND	GOK GV	STEADT GREEN SLASH RIGHT ARROW
			NIC	NOT IN CONTRACT	OL	OVERLAP
		DOUBLE YELLOW LINE	NO.	NUMBER	PED	PEDESTRIAN
			PC	POINT OF CURVATURE	PTZ P	PAN, TILT, ZOOM
			PCC PCR	POINT OF COMPOUND CURVATURE	RL	STEADY RED LEFT ARROW
					RR	STEADY RED RIGHT ARROW
			P.G.L.			
			P.G.L. Pl	POINT OF INTERSECTION	TR SIG	
			P.G.L. PI POC	POINT OF INTERSECTION POINT ON CURVE	TR SIG TSC W	TRAFFIC SIGNAL TRAFFIC SIGNAL CONDUIT
			P.G.L. PI POC POT	POINT OF INTERSECTION POINT ON CURVE POINT ON TANGENT	TR SIG TSC W Y	TRAFFIC SIGNAL TRAFFIC SIGNAL CONDUIT STEADY WALKING PERSON STEADY CIRCULAR YELLOW
			P.G.L. PI POC POT PRC PROJ	POINT OF INTERSECTION POINT ON CURVE POINT ON TANGENT POINT OF REVERSE CURVATURE PROJECT	TR SIG TSC W Y YL	TRAFFIC SIGNAL TRAFFIC SIGNAL CONDUIT STEADY WALKING PERSON STEADY CIRCULAR YELLOW STEADY YELLOW LEFT ARROW
			P.G.L. PI POC POT PRC PROJ PROP	POINT OF INTERSECTION POINT ON CURVE POINT ON TANGENT POINT OF REVERSE CURVATURE PROJECT PROPOSED	TR SIG TSC W Y YL	TRAFFIC SIGNAL TRAFFIC SIGNAL CONDUIT STEADY WALKING PERSON STEADY CIRCULAR YELLOW STEADY YELLOW LEFT ARROW
			P.G.L. PI POC POT PRC PROJ PROP PSB	POINT OF INTERSECTION POINT ON CURVE POINT ON TANGENT POINT OF REVERSE CURVATURE PROJECT PROPOSED PLANTABLE SOIL BORROW	TR SIG TSC W Y YL	TRAFFIC SIGNAL TRAFFIC SIGNAL CONDUIT STEADY WALKING PERSON STEADY CIRCULAR YELLOW STEADY YELLOW LEFT ARROW
			P.G.L. PI POC POT PRC PROJ PROP PSB PT PVC	POINT OF INTERSECTION POINT ON CURVE POINT ON TANGENT POINT OF REVERSE CURVATURE PROJECT PROPOSED PLANTABLE SOIL BORROW POINT OF TANGENCY POINT OF VERTICAL CURVATURE	TR SIG TSC W Y YL	TRAFFIC SIGNAL TRAFFIC SIGNAL CONDUIT STEADY WALKING PERSON STEADY CIRCULAR YELLOW STEADY YELLOW LEFT ARROW
			P.G.L. PI POC POT PRC PROJ PROP PSB PT PVC PVI	POINT OF INTERSECTION POINT ON CURVE POINT ON TANGENT POINT OF REVERSE CURVATURE PROJECT PROPOSED PLANTABLE SOIL BORROW POINT OF TANGENCY POINT OF VERTICAL CURVATURE POINT OF VERTICAL INTERSECTION	TR SIG TSC W Y YL	TRAFFIC SIGNAL TRAFFIC SIGNAL CONDUIT STEADY WALKING PERSON STEADY CIRCULAR YELLOW STEADY YELLOW LEFT ARROW
			P.G.L. PI POC POT PRC PROJ PROP PSB PT PVC PVI PVT	POINT OF INTERSECTION POINT ON CURVE POINT ON TANGENT POINT OF REVERSE CURVATURE PROJECT PROPOSED PLANTABLE SOIL BORROW POINT OF TANGENCY POINT OF VERTICAL CURVATURE POINT OF VERTICAL INTERSECTION POINT OF VERTICAL TANGENCY	TR SIG TSC W Y YL	TRAFFIC SIGNAL TRAFFIC SIGNAL CONDUIT STEADY WALKING PERSON STEADY CIRCULAR YELLOW STEADY YELLOW LEFT ARROW

EXISTING	PROPOSED	PROPOSED DESCRIPTION				
		PAVEMENT ARROW - WHITE				
		LEGEND "ONLY" - WHITE				
		STOP LINE - 12"				
		CROSSWALK - 2' SOLID WHITE LINE, 2' SPACE				
		SOLID WHITE LINE - 6 " REFLECTORIZED				
		SOLID YELLOW LINE				
		BROKEN WHITE LINE				
		BROKEN YELLOW LINE (3-9-3)				
		DOTTED WHITE LINE				
		DOTTED YELLOW LINE				
		DOTTED WHITE LINE EXTENSION				
		DOTTED YELLOW LINE EXTENSION				
		DOUBLE WHITE LINE				
		DOUBLE YELLOW LINE				

REF	ERENCE	ERC
1.	PROJECT LOCATION: MASSACHUSETTS CENTRAL RAILROAD RIGHT-OF-WAY, CITY OF WALTHAM.	1.
2.	PROJECT SURVEY COMPLETED BY WHITMAN & BINGHAM ASSOCIATES, LLC, DATED MARCH 2018 AND SUPPLEMENTED BY HALEY WARD SEPTEMBER 2024. UTILITY LOCATIONS BASED ON AVAILABLE PLANS.	2.
3.	WETLANDS AND RESOURCE AREAS WERE DELINEATED BY PARE CORPORATION IN OCTOBER 2017. WETLAND FLAGS WERE LOCATED BY WHITMAN & BINGHAM.	3
4.	VERTICAL DATUM IS NAVD 88. HORIZONTAL DATUM IS MASSACHUSETTS STATE PLANE.	0.
5.	EXISTING UTILITIES, SIZES, AND ELEVATIONS WERE COMPILED FROM THE CITY OF WALTHAM'S GIS MAPS ONLINE, MOST RECENTLY ACCESSED ON AUGUST 21, 2018.	4.
GEI	NERAL NOTES	5.
1.	THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS, AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, AND COORDINATE WITH THE ENGINEER AND OWNER'S REPRESENTATIVE AS REQUIRED.	6.
2.	THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIERS AROUND ALL OPEN EXCAVATED AREAS IN ACCORDANCE WITH OSHA STANDARDS.	7.
3.	IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR IS TO IMMEDIATELY CONTACT AND COORDINATE WITH THE ENGINEER AND OWNER'S REPRESENTATIVE.	
4.	ANY AREA OUTSIDE OF THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.	8.
5.	ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.	9.
6.	ALL UTILITIES (LOCATION & ELEVATION) SHOWN SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-344-7233 AND CITY OF WALTHAM TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES, AND THE COST TO REPAIR THE DAMAGES TO INITIAL CONDITIONS AS SHOWN ON THE PLANS, SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED.	10. 11.
7.	ANY DAMAGE TO EXISTING PAVEMENT, BRIDGES, CONDUIT, SIDEWALK, FENCES, ETC., CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.	12.
8.	THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE ROADWAY TRAVEL LANES SO AS NOT TO CAUSE A SAFETY HAZARD.	13.
9.	PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL EMPLOY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF MASSACHUSETTS TO ESTABLISH CONTROL ON THE SITE AND PERFORM FIELD MEASUREMENTS AS REQUIRED TO LAYOUT THE PROPOSED SITE IMPROVEMENTS.	14.
10.	IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT OBLITERATED BEFORE CONTROL POINTS ARE LOCATED AND CONSTRUCTION LAYOUT IS ESTABLISHED. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL, THEREBY ENABLING THE CONTRACTOR TO CONSTRUCT THE PROJECT IN CONFORMITY	15.
	WITH THE PLANS AND SPECIFICATIONS. SURVEY WILL BE PROVIDED BY THE CONTRACTOR. THE OWNER OR OWNER'S REPRESENTATIVE SHALL NOT AUTHORIZE CONSTRUCTION ACTIVITIES TO BEGIN UNTIL THEY ARE SATISFIED THAT ALL GROUND CONTROL HAS BEEN ESTABLISHED, TIED DOWN, AND DULY RECORDED IN STANDARD FIELD BOOKS.	16. 17.
1.	ALL SIDEWALK AND DRIVEWAYS DESIGNATED FOR REPLACEMENT SHALL BE CUT AND MATCHED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.	
12.	THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT HIS OWN EXPENSE, PLANTABLE SOIL AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED.	18. 19.
13.	UNDER NO CIRCUMSTANCE WILL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.	20.
14.	CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT AND AT THE COMPLETION OF THE PROJECT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF THE OWNER OR OWNER'S REPRESENTATIVE. NO SEPARATE PAYMENT SHALL BE MADE FOR CLEANING AND SWEEPING PAVEMENT.	
15.	PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY OWNER OR OWNER'S REPRESENTATIVE.	
16.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO THE SATISFACTION OF THE OWNER OR OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.	
17.	NO FUEL STORAGE, VEHICLE REFUELING, OR EQUIPMENT STORAGE SHALL TAKE PLACE IN DESIGNATED WETLANDS, WETLANDS BUFFER ZONES, NOR WITHIN 100' OF ANY WATER BODY. THIS REQUIREMENT SHALL NOT SUPERSEDE ANY FEDERAL, STATE OR LOCAL LAW, ORDINANCE, RULE OR REGULATION THAT APPLIES TO THE SAME, UNLESS THIS REQUIREMENT IS MORE STRINGENT THAN SAID LAW, ORDINANCE, RULE OR REGULATION.	
18.	ALL EMBANKMENTS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 12" (AFTER COMPACTION) AND SHALL BE COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED.	
19.	THE CONTRACTOR SHALL COMPACT ALL MATERIALS USED FOR SUBBASE BACKFILL IN MAXIMUM SIX-INCH LAYERS.	
		CON
		<u>001</u>
<u>LAY</u> 1.	OUT NOTES ALL LINES ARE PERPENDICULAR OR PARALLEL TO THE LINES FROM WHICH THEY ARE MEASURED. UNLESS OTHERWISE	2.
0		3.
2.	GUIDELINES, LATEST REVISION.	
3.	CONTRACTOR TO PERFORM BENCHMARK FIELD LEVEL VERIFICATION AND COORDINATE LAYOUT CHECK PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT PARE CORPORATION IF ANY DISCREPANCIES ARE FOUND.	
DEN	AOLITION NOTES	
 1.	ALL NOTED ITEMS TO BE REMOVED AND DISPOSED, RELOCATED, OR STACKED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. CONTRACTOR TO COORDINATE ANY UNFORESEEN CONDITIONS WITH THE PROJECT ENGINEER, OWNER, AND/OR RESPECTIVE UTILITY COMPANIES PRIOR TO PROCEEDING WITH THE WORK.	
2.	REMOVAL OF EXISTING RAIL INCLUDES RAILS, TIES AND APPURTENANCES UNLESS OTHERWISE NOTED OR IDENTIFIED BY THE CITY.	
3.	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 SERVICE THROUGHOUT THE DURATION OF CONSTRUCTION WITHOUT WRITTEN APPROVAL FROM THE OWNER.	
5	ALL EXISTING CATCH BASINS TO REMAIN SHALL BE CLEANED PRIOR TO COMMENCING WORK.	

DSION AND SEDIMENTATION CONTROL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING OR INSTALLING ALL TEMPORARY SEDIMENT AND EROSION CONTROLS AS SHOWN ON THESE PLANS AND SHALL MAINTAIN ALL EROSION CONTROL MEASURES AS NECESSARY DURING THE ENTIRE CONSTRUCTION PERIOD.

ANTI-TRACKING PADS SHALL BE PROVIDED AT ALL POINTS OF EGRESS OR INGRESS, PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC, AND SHALL BE MAINTAINED TO LIMIT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS.

EROSION CONTROL BARRIERS SHALL BE INSTALLED AS SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH STORM EVENT OF 0.25 INCH OR GREATER DURING CONSTRUCTION TO ENSURE THAT CHANNELS, DITCHES AND PIPES ARE CLEAR OF DEBRIS AND THAT THE EROSION CONTROL BARRIERS ARE INTACT. THE CONTRACTOR SHALL CORRECT IDENTIFIED DEFICIENCIES IMMEDIATELY.

DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.

THE CONTRACTOR SHALL CLEAN AND MAINTAIN EROSION CONTROL BARRIER WHEN SEDIMENT ACCUMULATES TO ONE HALF THE HEIGHT OF THE BARRIER. MATERIAL COLLECTED FROM THE SEDIMENTATION BARRIERS SHALL BE REMOVED AS NECESSARY AND DISPOSED IN AN UPLAND AREA.

THE CONTRACTOR SHALL SCHEDULE THE CONSTRUCTION SEQUENCE TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PONDING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REQUIRED, TO STABILIZED DISCHARGE POINTS.

INSTALLATION OF THE EROSION CONTROL BARRIERS AS ILLUSTRATED IS INTENDED TO REPRESENT THE MINIMUM SEDIMENTATION CONTROL FACILITIES NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.

REQUIRED SEDIMENTATION CONTROL FACILITIES MUST BE PROPERLY ESTABLISHED, CLEARLY VISIBLE AND IN OPERATION PRIOR TO INITIATING ANY LAND CLEARING ACTIVITY AND/OR OTHER CONSTRUCTION RELATED WORK. SUCH FACILITIES SHALL REPRESENT THE LIMIT OF WORK. WORKERS SHALL BE INFORMED THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGHOUT THE CONSTRUCTION PERIOD.

THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT RESERVE OF VARIOUS EROSION CONTROL MATERIALS ONSITE AT ALL TIMES FOR EMERGENCY PURPOSES OR ROUTINE MAINTENANCE.

THE CONTRACTOR SHALL REPLACE DAMAGED EROSION CONTROLS AT THE OWNER, OWNER'S REPRESENTATIVE, OR ENGINEER'S REQUEST AT NO ADDITIONAL EXPENSE TO THE OWNER..

THE CONTRACTOR SHALL NOT REMOVE ANY HAYBALES, COMPOST FILTER SOCKS, OR OTHER EROSION CONTROLS UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED.

CONSTRUCTION SITE WASTE MATERIALS WILL BE PROPERLY CONTAINED ONSITE AND DISPOSED OFF SITE AT A LOCATION IN ACCORDANCE WITH THE LOCAL AND STATE REGULATIONS.

THE CONTRACTOR SHALL NOT LEAVE DISTURBED AREAS UNSTABILIZED FOR PERIODS MORE THAN 14 DAYS. PROVIDE TEMPORARY SEED OR MULCH ON DISTURBED AREAS THAT WILL REMAIN EXPOSED FOR GREATER THAN 14 DAYS.

ALL DRAINAGE STRUCTURES SHALL BE CLEARED OF ACCUMULATED SEDIMENT PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.

NEWLY VEGETATED AREAS SHALL BE MAINTAINED REGULARLY TO ENSURE STABLE VEGETATED SURFACES.

EROSION AND SEDIMENTATION CONTROLS WILL BE UTILIZED AS SHOWN ON THE PLANS. POTENTIAL EROSION AND SEDIMENTATION PROBLEMS ASSOCIATED WITH THE CONSTRUCTION OF THE PROJECT WILL BE AVOIDED THROUGH THE PROJECT SCHEDULING AND THE USE OF APPROPRIATE STANDARD CONTROLS (MASSACHUSETTS EROSION AND SEDIMENT CONTROL HANDBOOK) AS ILLUSTRATED ON THE PROJECT PLANS.

WHERE EROSION CONTROLS ARE NEEDED ON IMPERVIOUS SURFACES, THE CONTRACTOR SHALL PROVIDE SAND BAG EROSION CONTROL BARRIER.

TEMPORARY DIVERSION MAY CONSIST OF A DITCH OR SWALE, OR MAY BE ACHIEVED USING WOOD CHIPS, COIR LOGS, OR SIMILAR MATERIALS.

THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SILT SACKS IN ALL EXISTING AND NEWLY INSTALLED CATCH BASINS UNTIL THE UPSTREAM AREA IS STABILIZED.

- **GRADING AND UTILITY NOTES**
- ELEMENTS SHALL BE MADE WITHOUT THE ENGINEER'S APPROVAL.
- PLANS AND THE SITE WORK SPECIFICATIONS.
- SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES, AND JOINTS.
- COMPANIES, AS REQUIRED.
- INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION.

- CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- UNLESS OTHERWISE SPECIFIED.
- DURING UTILITY INSTALLATION.
- EXISTING CATCH BASINS AND PIPING PRIOR TO COMMENCING WORK.

STORMWATER MANAGEMENT SYSTEM INSPECTION AND MAINTENANCE NOTES DURING CONSTRUCTION

- ACCEPTANCE.
- AREAS, SHALL BE REMOVED ACCORDINGLY AND PREVENTED IN THE FUTURE.

FOLLOWING CONSTRUCTION

THE COMPLETION OF THE INSPECTION AND MAINTENANCE REQUIREMENTS BELOW SHALL BE THE RESPONSIBILITY OF THE OWNER.

NSTRUCTION METHODS

CONSTRUCTION OF THE TRAIL SHALL BE EXECUTED WITH MINIMALLY INVASIVE METHODS.

LIMITS OF DISTURBANCE SHALL BE ADHERED TO TO THE EXTENT POSSIBLE TO MAINTAIN EXISTING TREE STANDS BETWEEN THE TRAIL AND ABUTTING PROPERTIES.

CONSTRUCTION VEHICLES SHALL BE LIMITED TO A LOADING EQUIVALENT TO A H-10 TRUCK ON BRIDGE NO. 114 (TIMBER BRIDGE), BRIDGE NO. 113 (LINDEN BRIDGE), & BRIDGE NO. 8.76 (TIMBER CULVERT - STA. 287+59). THE TIMBER ACCESS RAMP AT LINDEN STREET HAS BEEN DESIGNED BASED ON PEDESTRIAN LIVE LOAD (90 PSF) ONLY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE MCRT WALTHAM LINDEN STREET BRIDGE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE

ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES AND GRADES ON THE

3. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS

ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS.

5. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY

WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE

THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND UTILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE UTILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.

DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

9. 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

10. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT

15. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL ROCK AND BOULDERS UNCOVERED

16. THE CONTRACTOR IS RESPONSIBLE FOR ALL EQUIPMENT, MATERIALS, AND LABOR REQUIRED TO CLEAN OUT

THE CONTRACTOR SHALL REMOVE SEDIMENT AND DEBRIS FROM ALL CATCH BASINS, MANHOLES, AND THE DRAINAGE SYSTEM ON A ROUTINE BASIS, IMMEDIATELY FOLLOWING SITE STABILIZATION, AND PRIOR TO PROJECT COMPLETION AND

THE CLOSED DRAINAGE SYSTEM AND ASSOCIATED STRUCTURES SHALL BE CLEANED AND FLUSHED BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF THE DRAINAGE SYSTEM UNTIL ACCEPTANCE OF THE SYSTEM BY THE ENGINEER AND THE OWNER. FOLLOWING ACCEPTANCE OF THE PROPOSED DRAINAGE SYSTEM FOR THIS SITE. THE OWNER OF THE SITE SHALL BE RESPONSIBLE FOR THE LONG-TERM INSPECTION AND MAINTENANCE OF THE DRAINAGE SYSTEM.

ANY ACCUMULATION OF PONDING WATER IN AREAS WITHIN THE LIMITS OF DISTURBANCE, OTHER THAN DESIGNATED

4. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND WILL NOT BE PAID SEPARATELY.

TRASH, LITTER, SEDIMENT AND OTHER DEBRIS SHALL BE REMOVED FROM ANY STORMWATER FACILITY (INCLUDING CATCH BASINS, MANHOLES, AND THE STORMWATER BMP'S) AT LEAST TWICE A YEAR, PREFERABLY SPRING AND FALL.

2. THE SHARED USE PATH WITHIN THE PROJECT LIMITS SHALL BE SWEPT EVERY SPRING AND FALL TO REMOVE SEDIMENTS.

WALTHAM

SHEET | TOTAL NO. SHEETS

NOTES						
MADCR PROJECT NO. P25-3582-C1A						
		3	15			



WALTHAM
ICRT WALTHAM LINDEN STREET BRIDG

		SHEET	TOTAL			
		NO.	SHEETS			
		4	15			
MADCR PROJECT NO. P25-3582-C1A						
		DET				

JRSE:	1 1/2" SUPERPAVE SURFACE COURSE- 9.5 (SSC-9.5)
E COURSE:	2" SUPERPAVE INTERMIDIATE COURSE- 12.5 (SIC-12.5)
E:	4" SUPERPAVE BASE COURSE- 37.5 (SBC-37.5)
	4" DENSE GRADE CRUSHED STONE FOR SUBBASE 8" GRAVEL BORROW



Ph AMERICAN LEGION, INC. #215 WAVERLEY OAKS ROAD BOOK 13802 PGE 370 SSESSORS' PARCEL R54–3–3 DODPLAIN (ELEV. RET EX PATH -PC +97.76 EXXON FUEL LINE 0 0 IBER_OPTIC_ _____ TLL FUEL LINE WAYSIDE TRAIL Munul 133 mill 294 million and RILEX BEGIN PROP CHAIN LINK FENCE -MEET EX RET EX CLF PROP 10' GATE ONED TRACK EXISTING MAIN LINE TRACK IN USE 充壤的 **** 2400

	PROP WAYSIDE TRAIL CONSTRUCTION BASELINE DATA							
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	
C53	294+97.76	2964667.473	734999.808	R=30.00 [°] Δ=46°55'55" L=24.57' T=13.02'		295+22.33	2964664.741	
C54	295+22.33	2964664.741	735023.543	R=30.00 [°] Δ=46°55'54" L=24.57' T=13.02'		295+46.91	2964662.009	
L33	289+37.42	2964504.583	734463.664		N73°06'01"E 560.34'	294+97.76	2964667.473	
L34	295+46.91	2964662.009	735047.278		N73°06'02"E 103.09'	296+50.00	2964691.978	



EASTING
735023.543
735047.278
734999.808
735145.920

	WALTHAM MCRT WALTHAM LINDEN STREET BRIDGE Image: Street
BEAVER BROOK	Dobood HD(CONST PLAN - 2).DW
EDGE OF PAVEMENT	
TING MAIN LINE TRACK IN USE	
0 20	50 100
	SCALE: 1" = 20' ACCESSION_NO104752_x



			TEMDODA	DV	т	D۸	CC		CI			v			
IDENTI-	ILIVII VIVA				TEXT DIMENSIONS (INCHES)			NUMBER							
FICATION NUMBER	WIDTH	HEIGHT	TEXT	LETT HEIG	FER GHT	VER ⁻ SPA	TICAL CING	ARF RTE.	row MKR.	SIGNS REQUIRED	BACKGROUND	LEGEND	BORDER	SQUARE FEET	SQUARE FEET
R9-11aR	24	12	SIDEWALK CLOSED CROSS HERE		SEE MUTCD			2	WHITE	BLACK	BLACK	2.0	4.0		
R9-11aL	24	12	SIDEWALK CLOSED CROSS HERE							2	WHITE	BLACK	BLACK	2.0	4.0
R9-9	24	12	SIDEWALK CLOSED							4	WHITE	BLACK	BLACK	2.0	8.0
W20-7 or MA-W20-7b	36	36	or POLICE OFFICER AHEAD							4	FLUORESCENT ORANGE	BLACK	BLACK	9.0	36.0
W20-4	36	36	ONE LANE ROAD AHEAD							4	FLUORESCENT ORANGE	BLACK	BLACK	9.0	36.0
W20-1	36	36	ROAD WORK AHEAD							4	FLUORESCENT ORANGE	BLACK	BLACK	9.0	36.0
R11-2C	48	30	PATH CLOSED		1				1	2	WHITE	BLACK	BLACK	10.0	20.0
MA-R2-10a	48	36	WORK ZONE SPEEDING FINES DOUBLED	SI	EE MA	ASSDC)T SIGI	N BOO	к	4	FLUORESCENT ORANGE/ WHITE	BLACK	BLACK	12.0	48.0
MA-R2-10e	36	48	END ROAD WORK DOUBLE FINES END							4	FLUORESCENT ORANGE/ WHITE	BLACK	BLACK	12.0	48.0
DEP	36	18	MASS. DEPARTMENT OF ENVIRONMENTAL PROTECTION FILE No. 316-0744		1					2	WHITE	BLACK	BLACK	4.5	9.0
											TOTAL AREA OF	SIGNS (SQ	UARE FEET)	24	9.0

NOTES:

- W20-1 TO BE PLACED 350' IN ADVANCE OF WORK ZONE SIGNS SHOWN.
- 2. MA-R2-10a, AND MA-R2-10e SIGNS TO BE PLACED IN ACCORDANCE WITH MA STANDARDS.
- A DEP SIGN SHALL BE PLACED AT EACH LOCATION OF WORK WITHIN THE B AT LINDEN STREET BRIDGE AND ONE AT BEAVER STREET
- ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REV MASSDOT'S "STANDARD DETAILS AND DRAWINGS FOR THE DEVELOPMENT TRAFFIC CONTROL PLANS", THE STANDARD SPECIFICATIONS, AND THE FOL
- 5. ALL SIGN LEGENDS, BORDERS AND MOUNTING SHALL BE IN ACCORDANCE
- TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER NECESSARY WORK CONTROL DEVICES SHALL BE REMOVED FROM THE HIGHWAY OR COVERED NOT REQUIRED FOR CONTROL OF TRAFFIC.
- DISTANCES ARE A GUIDE AND MAY BE ADJUSTED IN THE FIELD BY THE ENG
- MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) I TO THE SPEED LIMIT IN MPH.
- 9. MAINTAIN MINIMUM TRAVEL LANE WIDTH OF 10 FEET.
- 10. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO WORK.
- 11. THE BUFFER SPACES SHOULD BE EXTENDED IF NECESSARY SO THAT THE TWO-WAY TRAFFIC TAPERS ARE PLACED BEFORE THE HORIZONTAL (OR CF CURVES TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGERS AN

WALTHAM MCRT WALTHAM LINDEN STREET

REE	r Bri	OGE
SHEET NO.	TOTAL SHEETS	
7	15	

MADCR PROJECT NO. P25-3582-C1A **TEMPORARY TRAFFIC CONTROL PLAN - 1**

STOPPED VEHICLES.

	12.	ACCESS TO ALL BUSINESSES AND RESIDENCES WITHIN THE WORK AREA SHALL BE MAINTAINED AT ALL TIMES.
ASSDOT	13.	THE CONTRACTOR SHALL PLACE TEMPORARY CONSTRUCTION SIGNS TO ENSURE THAT A 36" UNOBSTRUCTED MINIMUM CLEARANCE IS PROVIDED AT ALL TIMES ON SIDEWALKS OPEN TO
BUFFER ZONE (ONE	Ξ	PEDESTRIANS. AT LOCATIONS WHERE A 36" MINIMUM CLEARANCE CANNOT BE ACHIEVED, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO PROVIDE MOUNTED SIGNS WITH THE BOTTOM OF THE SIGN OVERHANG NO LESS THAN 84" HIGH IN ORDER TO MEET ADA
ST EDITION OF THE	Ξ	STANDARDS. THIS WORK SHALL BE PAID FOR UNDER "TRAFFIC MANAGEMENT ITEM."
OF TEMPORARY LLOWING NOTES.	14.	THE LONGITUDINAL PEDESTRIAN CHANNELING DEVICES SHALL BE POSITIONED SUCH THAT THERE ARE NO GAPS ACROSS THE ENTIRE WIDTH OF THE SIDEWALK.
WITH THE MUTCD.	15.	THE LONGITUDINAL PEDESTRIAN CHANNELING DEVICES USED FOR THE SIDEWALK CLOSURE SHALL HAVE A DETECTABLE EDGE IN ACCORDANCE WITH SECTION 6F.74 OF THE MOST RECENT EDITION OF THE MUTCD, INCLUDING ALL REVISIONS AND ADDENDA.
D WHEN THEY ARE	16.	THE CONTRACTOR SHALL MAINTAIN AN ADA COMPLIANT PEDESTRIAN ACCESS AT ALL TIMES, SPECIFICALLY INCLUDING PEDESTRIAN GUIDANCE SYSTEMS AT WORK ZONES. ACCESS
GINEER. S EQUAL IN FEET		SHALL BE MAINTAINED ALONG ALL SIDEWALKS, CROSSWALKS, AND PATHS, AS WELL AS TO ALL ABUTTERS. ANY PEDESTRIAN DETOURS SHALL BE ADA COMPLIANT WITH PROPER BARRICADES, RAILINGS AND SIGNAGE.
O THE START OF	17.	CROSSWALKS OR STOP LINES OBSCURED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE END OF EACH SHIFT. TEMPORARY MATERIALS MAY BE USED IF IT IS EXPECTED THAT THE LINES WILL BE OBSCURED OR DAMAGED AGAIN. THERMOPLASTIC SHALL NOT BE USED FOR PERMANENT REPLACEMENT.
100' MAX. REST VERTICAL) ID QUEUES OF	18.	THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN ADA COMPLIANT ACCESS AT ALL TIMES THROUGHOUT CONSTRUCTION



WALTHAM MCRT WALTHAM LINDEN STREET BRID							
		SHEET NO.	TOTAL SHEETS				
		8	15				
	MADCR PROJECT NO. P25	5-3582-0	C1A				
TEN	IPORARY TRAFFIC CON	TROL	PLAN	1 - 2			

•		1	c
•	ALL CONSTRUCTION INDICATED ON THESE PLANS SHALL BE IN ACCORDANCE WITH:	1.	S
	THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, 2020, INCLUDING THE LATEST INTERIM REVISIONS.	2.	S S II
•	THE AASHTO LRFRD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2nd EDITION, INCLUDING THE LATEST INTERIM REVISIONS.	3.	₽ F
•	THE SPECIFICATIONS ACCOMPANYING AND CONTAINED WITHIN THESE PLANS.		((
	ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NGVD 88).		, ר
	HORIZONTAL DATUM IS THE MASSACHUSETTS STATE PLANE.	4	F
	INFORMATION CONCERNING THE LOCATIONS OF THE STRUCTURES, THEIR CONDITION, AND DIMENSIONS IS FURNISHED SOLELY FOR THE INFORMATION AND CONVENIENCE OF THE CONTRACTOR, AND SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL CONDUCT ITS OWN INDEPENDENT EXAMINATION AND MEASUREMENTS OF THE SITES AND STRUCTURES' CONDITIONS FOR THE	4.	S
	PURPOSE OF BIDDING, FABRICATION, AND CONSTRUCTION ASSOCIATED WITH THIS CONTRACT. ANY RELIANCE UPON INFORMATION MADE AVAILABLE BY THE TOWN OR THE ENGINEER SHALL BE AT THE CONTRACTOR'S RISK.	5. 6.	F J (
		7.	Г
		8.	/ c
2		9.	
	DESIGN SPECIFICATIONS:	10). 1
•	AASHTO LRFD GUIDE SPECIFICATIONS SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2ND EDITION, 2009, INCLUDING ALL INTERIM REVISIONS.	11	. / /
•	AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, 2020 INCLUDING ALL INTERIM REVISIONS.	12	2. F
•	THE 2024 EDITION OF THE NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION INCLUDING THE 2024 EDITION SUPPLEMENT.	13	1 3. <i>1</i>
•	MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT) BRIDGE MANUAL, HUNDREDTH ANNIVERSARY EDITION, 2024, INCLUDING ALL REVISIONS TO DATE.	14	ł. / (
	DESIGN LOADING:	15	5. F
•	PEDESTRIAN LIVE LOAD: 90 PSF	16	3.7
•	VEHICLE LIVE LOAD: H-10 TRUCK	17	′. V
		18	3. Т М
TR	<u>UCTURAL STEEL NOTES</u>	C	<u>ON</u>
R	<u>UCTURAL STEEL NOTES</u> ALL NEW STEEL SHAPES AND PLATES SHALL CONFORM TO THE LATEST PROVISIONS OF AASHTO DESIGNATION M 270 (ASTM DESIGNATION A 709) GRADE 36 OR 50.	<u>C</u> 1. 2.	<u>ON</u> 4
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R	UCTURAL STEEL NOTES ALL NEW STEEL SHAPES AND PLATES SHALL CONFORM TO THE LATEST PROVISIONS OF AASHTO DESIGNATION M 270 (ASTM DESIGNATION A 709) GRADE 36 OR 50. ALL STEEL COMPONENTS, FABRICATIONS, AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 960 OF THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, INCLUDING THE LATEST SUPPLEMENTIAL AND INTERIM SPECIFICATIONS. ALL STRUCTURAL STEEL COMPONENTS AND FASTENING HARDWARE SHALL BE HOT-DIPPED GALVANIZED AND PAINTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. PAINT SHALL BE DARK BRONZE (FEDERAL STD. 595B COLOR NO. 10045). ALL BOLTED CONNECTIONS SHALL UTILIZE HIGH STRENGTH BOLTS CONFORMING TO AASHTO M164 (ASTM A325). WASHERS MEETING AASHTO M293 (ASTM F436) ARE TO BE USED OVER ALL HOLES THAT ARE MORE THAN 1/16 INCH IN DIAMETER GREATER THAN THE BOLT DIAMETER AND UNDER ALL PARTS TURNED DURING ASSEMBLY. PRIOR TO FABRICATION, ALL MATERIALS SHALL BE BLAST-CLEANED TO AT LEAST SSPC-SP6 TO REMOVE ALL OIL, DIRT, GREASE, MILL SCALE AND OTHER DELETERIOUS MATERIALS FROM THE SURFACES OF THE STEEL TO BE FABRICATED. PRIOR TO GALVANIZING, ALL CORNERS AND EDGES OF STEEL WHICH HAVE BEEN FLAME CUT OR OTHERWISE HARDENED SHALL BE SOFTENED BY GRINDING OR BLAST-CLEANING TO PROVIDE A SURFACE SUITABLE FOR COATING. ALL EXISTING STEEL COMPONENTS TO BE IN CONTACT WITH NEW STRUCTURAL STEEL SHALL BE CLEANED TO SSPC-SP3, POWER TOOL CLEANING. WHEN STEEL DIE STAMPS ARE TO BE USED TO IDENTIFY PIECES AND MEMBERS, FABRICATORS SHALL UTILIZE LOW STRESS STAMPS. WELDING SHALL BE IN ACCORDANCE WITH THE LATEST STRUCTURAL WELDING CODE ANSI/AASHTO/AWS D1.5 (INCLUDING ALL INTERIMS TO DATE) AND APPLICABLE SUPPLEMENTAL AWS PUBLICATIONS.	<u>C</u> 1. 2.	10: 4 4

ER NOTES

AWN LUMBER AND TIMBER SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL TIMBER, LUMBER, AND PILING, AASHTO M 168 AND HALL BE AASHTO DESIGNATION SOUTHERN PINE NO. 1 OR EQUIVALENT.

TRUCTURAL GLUED LAMINATED TIMBER SHALL CONFORM TO THE AMERICAN NATIONAL STANDARD ANSI/AITC A-190.1, SPECIFICATION FOR TRUCTURAL GLUED LAMINATED TIMBER AND SHALL BE AASHTO IDENTIFICATION NUMBER 47 FOR VISUALLY GRADED SOUTHERN PINE OR ENTIFICATION NUMBER 2 FOR DOUGLAS FIR.

L SAWN LUMBER SHALL BE SOUTHERN YELLOW PINE, PRESSURE TREATED TO A MINIMUM NET RETENTION OF 0.60 POUNDS PER CUBIC DOT OF OIL-BORNE COPPER NAPHTHEANTE PRESERVATIVE, CONFORMING TO THE REQUIREMENTS OF THE AMERICAN WOOD PRESERVERS SSOCIATION (AWPA) STANDARD OR AS NOTED ELSEWHERE. ACQ SHALL BE APPLIED BY A STANDARD PRESSURE PROCESS AND SHALL ONFORM TO THE RECOMMENDED PRACTICES OF THE AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA). EACH PIECE SHALL BEAR THE MERICAN WOOD PRESERVERS BUREAU (AWPB) QUALITY MARK INDICATING COMPLIANCE WITH AWPB STANDARD LP-22.

MBER BRIDGE RAILS AND EXPOSED TIMBER PLANKING SHALL BE TREATED WITH WATERBORNE PRESERVATIVES OR OIL-BORNE RESERVATIVES IN LIGHT PETROLEUM SOLVENT PER AASHTO M 133.

LUED LAMINATED TIMBER DECKS SHALL BE TREATED WITH A PENTACHLOROPHENOL TYPE A OIL PRESERVATIVE CONFORMING TO AWPA TANDARD C-28 AND P-9. RETENTION LEVEL SHALL BE 0.5 PCF AS PER AWPA STANDARD C-28.

RESERVATION TREATMENT SHALL BE INSPECTED AND CERTIFIED IN ACCORDANCE WITH AASHTO M 133 AND AWPA STANDARD M2.

L TREATED TIMBER MATERIALS SHALL FOLLOW POST-TREATMENT REQUIREMENTS SUMMARIZED IN BEST MANAGEMENT PRACTICES FOR HE USE OF TREATED WOOD IN AQUATIC ENVIRONMENTS (WWPI 1996) TO ENSURE ALL SURFACES ARE FREE OF EXCESS PRESERVATIVE AND HEMICALS ARE FIXATED IN THE WOOD.

IMBER SHALL BE DRIED TO A MOISTURE CONTENT OF 19% OR LESS AFTER TREATMENT.

L TIMBER COMPONENTS SHALL BE FABRICATED TO THE MAXIMUM EXTENT PRACTICABLE, INCLUDING CUTS, COUNTERBORES, AND HOLES, RIOR TO TREATMENT.

L FIELD CUTS, COUNTERBORES, AND HOLES SHALL BE TREATED WITH COPPER NAPHTHENATE IN ACCORDANCE WITH AWPA STANDARD M4.

HREADS ON ALL HARDWARE SHALL BE PEENED OVER AFTER TIGHTENING. TOUCH UP GALVANIZING AFTER PEENING.

L HARDWARE INCLUDING A-307 FASTENERS FOR TIMBER CONNECTIONS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM 123 OR ASTM A-153, AS APPLICABLE.

RE-DRILLING IS REQUIRED FOR ALL LAG, BOLT, AND DOWEL INSTALLATIONS. HOLES FOR DOWELS IN DECK SHALL BE SIZED TO PROVIDE A IGHT FIT.

L GLULAM SHALL BE CUT, DRILLED, AND COMPLETELY FABRICATED PRIOR TO PRESSURE TREATMENT WITH PRESERVATIVES.

L WOOD AND METAL COMPONENTS SHALL BE HANDLED AND STORED CAREFULLY SO AS NOT TO DAMAGE THE MATERIAL. IF DAMAGE DOES CCUR, EXPOSED UNTREATED WOOD SHALL BE FIELD TREATED IN ACCORDANCE WITH AASHTO M 133.

ARDWARE SHALL BE COUNTERSUNK WHERE NOTED, WITH THREADED BOLT ENDS AND NUTS PLACED ON THE OUTSIDE OF WALKWAY.

IMBER SURFACES AND EDGES SHALL BE PLANED AND SANDED SMOOTH.

ATERPROOFING MEMBRANE SHALL BE COMPATIBLE WITH THE WOOD PRESERVATIVE.

HE TOPS OF ALL STRINGERS AND OTHER MEMBERS SUPPORTING DECKING AND GLULAM PANELS SHALL BE CAPPED WITH TAR PAPER PER ASSDOT STANDARD SPECIFICATION SECTION M9.06.2. TAR PAPER SHALL ALSO BE PLACED BETWEEN THE BOTTOM OF TIMBER MEMBERS ND SUPPORTING STEEL STRINGERS.

CRETE NOTES

L CONCRETE SHALL BE MASSDOT 4000 PSI, 3/4 IN., 610 CEMENT CONCRETE

L EXPOSED EDGES AND REENTRANT CORNERS NOT OTHERWISE DETAILED ON THE PLANS SHALL HAVE A MINIMUM OF 3/4" CHAMFER.

REINFORCING STEEL

- NONE 2. 12" OF CONCRETE BELC
- COATED BARS, COVER 3. CLEAR SPACING < 6DB
- COATED BARS, ALL OTH 4. CONDITION 2. AND 3. 5.
- 6. CONDITION 2. AND 4.

CLEANING

- 1. THE EXISTING BRIDGE ST MECHANICAL METHODS A NECESSARY TO CONTAIN EXCEPT THAT CLEANING
- 2. THE CONTRACTOR SHAL OR PERSONS UNDER OR RESPONSIBILITY OF THE SUSPENDED NETS OR TA REMOVED IMMEDIATELY
- 3. THE CONTRACTOR SHAL PERFORMING ANY WORK PRESENT, THE CONTRAC ACCORDANCE WITH STAT
- 4. REFER TO PART 4 "SPECI PIGEON WASTE. NO SEP

SHIELDING NOTES

- 1. IT SHALL BE THE RESPON STREET BRIDGE. THE ME
- 2. ANY MATERIAL THAT DOE

PROTECTIVE SCREEN

- 1. PROTECTIVE SCREEN DE DETAIL DATED APRIL 202
- 2. USE 6 GAGE TIES AT 12" (3. ALL ALUMINUM, INCLUDIN BLACK.
- 4. THE CHAIN LINK FABRIC S ORIGINALLY MANUFACTU

PROTECTIVE SCREEN POST AND RAILS

BRONZE PLAQUE



NOTES

1. ONE PLAQUE EACH TO BE INSTALLED ON THE NORTHEAST AND

SOUTHWEST TRUSS END CHORDS.

2. SEE SPECIAL PROVISION 992.121 FOR ADDITIONAL REQUIREMENTS.

Here Control of the control of the endpower and the set of the control of the co	REINFORCING STEEL			MC		
Control of the c	EINFORCING STEEL SHALL CONFORM TO ASHTO M 31 GRADE 60. UNLESS OTHERW ONSTRUCTION DRAWINGS ALL BARS SHA	THE REQUIREMENT VISE NOTED ON THAT IS A NOTED ON THAT	NTS OF HE S FOLLOWS [,]	MC		
Note: 217 286 MALERY PROJECT NO EXA DUE TO EXA	ODIFICATION CONDITION	#4 BARS	#5 BARS			NO. SHEETS 9 15
CONTROLMARY, CONTROLVED, SOL, OR STRUCTURAL NOTES CONTROLMARY, AND ALL OF THE ACCENTROL BY ALL OF THE ACCENTROL SHALL BE BY ALL OF THE ACCENTROL OF AND ALL OF THE ACCENTROL OF ACCENTR	NONE 12" OF CONCRETE BELOW BAR	21" 29"	26" 36"		MADCR PROJEC	CT NO. P25-3582-C1A
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UNDERGY DAYS 14 13 CONTRACTOR 2007 14 14 14 IFER DAGE SHALL BE LAPPED AS BLOWN ON THE CONSTRUCTION DAWNINGS. IFER DAGE SHALL BE LAPPED AS BLOWN ON THE CONSTRUCTION DAWNINGS. LIRENFORCENCY STELL SHALL BE CHONT CONTRACTOR TO BANKINGS. IFER DAGE SHALL DE LAPPED AS BLOWN ON THE CONSTRUCTION DAWNINGS. EXEMUSE THE CONTRACTOR SHALL BE CHONT CONTRACTOR TO ALL LOSS DEBRIS AND VSGETATION. CLEANING METHODS SHALL BE LIMITED TO INFORMATION AND DATA DATA DATA DATA DATA DATA DATA	COATED BARS, ALL OTHER CASES CONDITION 2. AND 3.	25" 35"	31" 44"			
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PETER TO PART 4 "SPECIAL CONDITIONS OF THE CONTRACT REGARDING GENERAL REQUIREMENTS WORK INVOLVING PAINTED STEEL AND PIGEON WASTE. NO SEPARATE PAYMENT SHALL BE MADE FOR COMPLYING WITH THESE REQUIREMENTS. HIELDING NOTES I SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT NO DEBRIS FALLS ONTO THE ROADWAY BELOW THE LINDEN STREET BRIDGE. THE WETHOD FOR SHIELDING SHALL BE SUBMITTED BY THE CONTRACTOR TO THE FORDWAY BELOW THE LINDEN STREET BRIDGE. THE WETHOD FOR SHIELDING SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ROADWAY BELOW THE LINDEN STREET BRIDGE. THE WETHOD FOR SHIELDING SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. ROTECTIVE SCREEN NOTES PORTECTIVE SCREEN NOTES PORTECTIVE SCREEN NOTES I SAUL UP ON SAUL COMPANY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. ROTECTIVE SCREEN DETAILING SHALL GENERALLY BE IN ACCORDANCE WITH THE MASSDOT TYPE 1 PROTECTIVE SCREEN STANDARD DETAIL DATED APRIL 2024, INCLUDING CLAMPS, SPILOES, AND TENSION BAND CONNECTIONS. USE 6 GAGE TIES AT 12" O.C. TO ALL POSTS AND TOP 3 RAILS. SPACE TIES TO BOTTOM RAIL AT 0" O.C. ALL AL UNINUM, INCLUDING HARDWARE AND FARRIC, SHALL RECEIVE A 4+1 MIL POLYESTER POWDER COAT FINISH. THE COLOR SHALL BE BLACK. ITHE CHAIN LINK FABRIC SHALL BE SECURED BY KNUCKLING TOGETHER THE CUT ENDS OF THE FABRIC WIRE IN A MANNER SIMILAR TO THE CONGRIGUELY MANUFACTURED END. ROTECTIVE SCREEN MATERIALS SCHEDULE 40 PIPE SCHEDULE 40 PIPE SCHEDULES, ASTIM DE 221, ALLOY 6061-TE, SCHEDULE 40 PIPE SCHEDULE 40 PIPE SCHEDULES, ASTIM DE 221, ALLOY 6061-TE, SCHEDULE 40 PIPE SCHEDULES, ASTIM DE 221, ALLOY 6061-TE, SCHEDULE 40 PIPE ALLOY 6061-TE, SCHEDULES, ASTIM DE 221, ALLOY 6061-TE, SCHEDULE 40 PIPE ALLOY 6061-TE, SCHEDULE 40 PIPE ALLOY 6061-TE, SCHEDULES, ASTIM DE 221, ALLOY 6061-T	THE CONTRACTOR SHALL BE RESPONS PERFORMING ANY WORK. THE LEAD P PRESENT, THE CONTRACTOR SHALL BI ACCORDANCE WITH STATE AND FEDER	SIBLE FOR TESTIN PAINT TEST SHALL E RESPONSIBLE F RAL REQUIREMEN	NG ANY EXISTING PAINT T BE PERFORMED BY A CE FOR PROVIDING ALL MITIC ITS.	HAT MAY BE REMAINING RTIFIED LEAD PAINT TES GATION NECESSARY FOR	FOR LEAD CONTENT PR TING COMPANY. IF LEAE THE PROPOSED WORK	IOR TO) IS IN
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IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT NO DEBRIS FALLS ONTO THE ROADWAY BELOW THE LINDEN STREET BRIDGE. THE METHOD FOR SHIELDING SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER FOR APPROVAL. ANY MATERIAL THAT DOES ENTER ANY ROADWAY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. ROTECTIVE SCREEN NOTES PROTECTIVE SCREEN DETAILING SHALL GENERALLY BE IN ACCORDANCE WITH THE MASSDOT TYPE 1 PROTECTIVE SCREEN STANDARD DETAIL DATED APRIL 2024, INCLUDING CLAMPS, SPLICES, AND TENSION BAND CONNECTIONS. USE 6 GAGE TIES AT 12° O.C. TO ALL POSTS AND TOP 3 RAILS. SPACE TIES TO BOTTOM RAIL AT 6° O.C. ALL AUMINUM, INCLUDING HARDWARE AND FABRIC, SHALL RECEIVE A 4±1 MIL POLYESTER POWDER COAT FINISH. THE COLOR SHALL BE BLACK. THE CHAIN LINK FABRIC SHALL BE SECURED BY KNUCKLING TOGETHER THE CUT ENDS OF THE FABRIC WIRE IN A MANNER SIMILAR TO THE ORIGINALLY MANUFACTURED END. ROTECTIVE SCREEN MATERIALS SCHEDULE 40 PIPE SSCHEDULE 40 PIPE SSCHEDULE 40 PIPE SSCHEDULE 40 PIPE SIGNIO BARS, RAIL SPLICES, ASHTO B 221, ALLOY 6091-T6, SSCHEDULE 40 PIPE SIGNIO BARS, RAIL SPLICES, ASHTOR JE 21, ALLOY 6091-T6, SSCHEDULE 40 PIPE SIGNIO BARS, RAIL SPLICES, ASHTOR JE 21, ALLOY 6091-T6, SSCHEDULE 40 PIPE SIGNIO BARS, RAIL SPLICES, ASHTOR JE 21, ALLOY 6091-T6, SSCHEDULE 40 PIPE SIGNIO BARDSASTTM B 221, ALLOY 6091-T6, SIGNIO BARDSASTTM B 221, ALLOY 6091-T6, SIGNIO BARDSASTTM B 221, ALLOY 6091-T6, SIGNIO BARDSASTM B 316, ALLOY 2024-T4 JTSASTM B 316, ALLOY 2024-T4 JTSASTM B 316, ALLOY 2004-T6; SIGNIO BARDSASTM B 316, ALLOY 2004-T6; SIGNIO BARDSASTM B 316, ALLOY 2004-T6; SIGNIO BARDS	HIELDING NOTES					
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	OTECTIVE SCREEN CLAMPS		M B 221 ALLOY 6061 TE			
	OTECTIVE SCREEN CLAMPS	A31	M B 221, ALLOT 0001-10			





ACCESSION NO. 104757 x

TIMBER DECK PANEL (TYP.)

PANEL

- WIDTH

(TYP.)

DECK	JOINT	DETAIL
SC	CALE: 1" =	1'-0"

Plotted on 23-Sep-2024 2:46 PN
00000_BR(LINDEN BRIDGE DECK DETAILS).DWG

WALTHAM

MC	RT WA	LTHAM	LINDEN	STREET	BRIDGE

		SHEET NO.	TOTAL SHEETS					
		13	15					
MADCR PROJECT NO. P25-3582-C1A								

BRIDGE PLAN - 4 BRIDGE No. 113 LINDEN BRIDGE DECK DETAILS

ACCESSION NO. 104759 x

4

HOR. SCALE IN FEET

VER. SCALE IN FEET

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4