

GENERAL NOTES

- PROPERTY LINE INFORMATION TAKEN FROM PLAN TITLED "APPROVAL NOT REQUIRED PLAN OF LAND ON WAREHAM, MA" PREPARED FOR CLOVER LEAF GROUP HOMINEE TRUST BY LAMONY R. HEALY LAND SURVEYORS, SCALE: 1"=80' DATED: MARCH 7, 1989 RECORDED IN THE PLYMOUTH COUNTY REGISTRY OF DEEDS AS BOOK 32 PAGE 204.
- EXISTING SITE TOPOGRAPHIC INFORMATION COMPILED FROM A FIELD SURVEY BY CIVIL AND ENVIRONMENTAL CONSULTANTS IN JULY AND AUGUST 2022. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND TOWN OF WAREHAM IMMEDIATELY.
- VERTICAL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- THE SITE IS NOT WITHIN A FLOOD ZONE AS SHOWN ON THE FEDERAL EMERGENCY AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF WAREHAM, MAP# 25023C00467KK, EFFECTIVE JULY 6, 2021.
- NO TREES SHALL BE REMOVED, NOR VEGETATION DISTURBED BEYOND THE LIMITS OF CONSTRUCTION WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
- PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOOTHING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
- ALL UTILITY DISCONNECTION, REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY / AGENCY. UTILITY CONTACTS ARE LISTED ON THE COVER SHEET.
- EROSION & SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH EROSION & SEDIMENT CONTROL PLAN. A STORMWATER POLLUTION PREVENTION CONTROL PLAN SHALL BE PREPARED.
- THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES (INCLUDING THOSE LABELED PER RECORD DATA) PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS. INFORM ENGINEER AND TOWN OF WAREHAM OF ANY CONFLICTS DETRIMENTAL TO THE DESIGN INTENT.
- THE CONTRACTOR SHALL CALL DISSAFE AT 1-800-322-4844 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DISSAFE PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER AND ENGINEER PRIOR TO EXCAVATION.
- THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COMPLYING WITH APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
- THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND OWNER'S REPRESENTATIVE FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES OCCURRING IN THE COURSE OF THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
- CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES, OBTAIN ALL APPLICABLE PERMITS, AND PAY ALL REQUIRED FEES PRIOR TO BEGINNING WORK.
- ANY WORK PERFORMED IN RIGHT OF WAYS SHALL BE IN ACCORDANCE WITH THE APPLICABLE LOCAL OR STATE REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS FOR THE WORK, SCHEDULE NECESSARY INSPECTIONS, AND PROVIDE THE NECESSARY TRAFFIC CONTROL MEASURES AND DEVICES, ETC., FOR WORK PERFORMED IN THE RIGHT OF WAYS.
- THE CONTRACTOR IS TO PERFORM ALL INSPECTIONS AS REQUIRED BY THE UNITED STATES EPA FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND FURNISH OWNERS REPRESENTATIVE WITH WRITTEN REPORTS.
- CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN, STORM WATER POLLUTION PREVENTION PLAN AND STATE AND LOCAL REGULATIONS.
- ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL IN ACCORDANCE WITH SPECIFICATIONS. IF NO SPECIFICATIONS ARE SUPPLIED, USE STATE OF MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- ALL WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.
- THE CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICTS ALL WORK ASSOCIATED WITH THE PROJECT.
- BEFORE INSTALLATION OF STORM OR SANITARY SEWER, OR OTHER UTILITY, THE CONTRACTOR SHALL VERIFY ALL CROSSINGS, BY EXCAVATION WHERE NECESSARY, AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT HE IS NOT NOTIFIED OF DESIGN CONFLICTS PRIOR TO CONSTRUCTION.
- ADJUST/RECONSTRUCT ALL EXISTING CASTINGS, CLEANOUTS, ETC. WITHIN PROJECT AREA TO GRADE AS REQUIRED.
- CONTRACTOR TO REMOVE & REPLACE PAVEMENT AS SPECIFIED.
- SITE SIGNAGE AND STRIPING SHALL BE IN ACCORDANCE WITH THE MASSACHUSETTS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

DEMOLITION NOTES

- NO TREES SHALL BE REMOVED, NOR VEGETATION DISTURBED BEYOND THE LIMITS OF CONSTRUCTION WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
- TREE PROTECTION FENCING SHALL BE IN ACCORDANCE WITH THE DETAILED DRAWINGS. DO NOT OPERATE OR STORE EQUIPMENT, NOR HANDLE OR STORE MATERIALS WITHIN THE DRIP LINES OF THE TREES SHOWN TO REMAIN.
- PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOOTHING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
- ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED AND SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR DAMAGE ACCORDING TO THE APPROPRIATE UTILITY COMPANY STANDARDS AND AT THE CONTRACTOR'S EXPENSE.
- ALL UTILITY DISCONNECTION, REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY / AGENCY. UTILITY CONTACTS ARE LISTED ON THE COVER SHEET.
- THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR OBTAINS PRIOR WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.
- EROSION & SEDIMENT CONTROL MEASURES AROUND AREAS OF DEMOLITION SHALL BE PROPERLY INSTALLED AND FUNCTION PROPERLY PRIOR TO INITIATION OF DEMOLITION ACTIVITIES.
- IF ASBESTOS OR HAZARDOUS MATERIALS ARE FOUND ON SITE, SUCH MATERIALS SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
- CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL AND OSHA REGULATIONS DURING ALL DEMOLITION ACTIVITIES.
- CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, STRUCTURES, AND FEATURES TO REMAIN. ANY ITEMS TO REMAIN THAT HAVE BEEN DISTURBED OR DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH STATE DEPARTMENT OF TRANSPORTATION REGULATIONS AND AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC.. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND COORDINATE WITH LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.
- PROVIDE NEAT, STRAIGHT, FULL DEPTH, SAW CUTS OF EXISTING PAVEMENT WHERE INDICATED ALONG LIMITS OF PAVEMENT DEMOLITION.

- ALL UTILITY AND STRUCTURE REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED AND PROPERLY DOCUMENTED BY A CERTIFIED PROFESSIONAL, WHEN APPLICABLE, WITH THE APPROPRIATE UTILITY COMPANY, MUNICIPALITY AND/OR AGENCY. DEMOLITION OF REGULATED ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO: WELLS, ASBESTOS, UNDER GROUND STORAGE TANKS, SEPTIC TANKS AND ELECTRIC TRANSFORMERS. DEMOLITION CONTRACTOR SHALL REFER TO ANY ENVIRONMENTAL STUDIES FOR DEMOLITION RECOMMENDATIONS AND GUIDANCE. AVAILABLE ENVIRONMENTAL STUDIES MAY INCLUDE, BUT ARE NOT LIMITED TO PHASE I ESA, PHASE II, WETLAND AND STREAM DELINEATION AND ASBESTOS SURVEY. ALL APPLICABLE ENVIRONMENTAL STUDIES SHALL BE MADE AVAILABLE UPON REQUEST.
- ALL PAVEMENT, BASE COURSES, SIDEWALKS, CURBS, BUILDINGS, FOUNDATIONS, ETC., WITHIN THE AREA TO BE DEMOLISHED SHALL BE REMOVED TO FULL DEPTH. EXISTING BASE COURSE MATERIALS MAY BE WORKED INTO THE NEW PAVEMENT OR BUILDING SUBGRADE IF THE GRADATION, CONSISTENCY, COMPACTION, SUBGRADE CONDITION, ETC., ARE IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE GEOTECHNICAL INVESTIGATION REPORT. BASE COURSE MATERIALS SHALL NOT BE WORKED INTO THE SUBGRADE AREAS TO RECEIVE LANDSCAPING.
- THE CONTRACTOR SHALL USE SUITABLE METHODS TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION ACTIVITIES.

LAYOUT NOTES

- THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES, AND SHALL TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. THE CONTRACTOR SHALL RELOCATE EXISTING UTILITIES AS INDICATED OR AS NECESSARY FOR CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINISH GRADE SHALL BE NECESSARY. THE CONTRACTOR SHALL INSTALL ALL UTILITIES, INCLUDING IRRIGATION SLEEVING, PRIOR TO THE INSTALLATION OF PAVED SURFACES.
- THE CONTRACTOR SHALL PROTECT ALL TREES TO REMAIN.
- ALL DAMAGE TO EXISTING PAVEMENT TO REMAIN WHICH RESULTS FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH EQUIVALENT MATERIALS AT THE CONTRACTOR'S EXPENSE.
- SITE DIMENSIONS SHOWN ARE TO THE FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- COORDINATES ARE FOR BUILDING COLUMNS, EXTERIOR BUILDING WALLS, CENTER OF DRIVEWAYS, CENTER OF SANITARY SEWER MANHOLES, AND CENTER OF STRUCTURES PLACED SIX INCHES INSIDE FACE OF CURB FOR DRAIN INLETS, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT / RECORD DRAWINGS ON-SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
- REFER TO THE ARCHITECTURAL, PLUMBING & ELECTRICAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATIONS OF UTILITY SERVICE ENTRY LOCATIONS AND PRECISE BUILDING DIMENSIONS.
- THIS SITE LAYOUT IS SPECIFIC TO THE APPROVALS NECESSARY FOR THE CONSTRUCTION IN ACCORDANCE WITH THE TOWN OF WAREHAM. NO CHANGES TO THE SITE LAYOUT ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. CHANGES MADE TO THE SITE LAYOUT WITHOUT APPROVAL IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. CHANGES INCLUDE BUT ARE NOT LIMITED TO, INCREASED IMPERVIOUS PAVEMENT, ADDITION / DELETION OF PARKING SPACES, MOVEMENT OF CURB LINES, CHANGES TO DRAINAGE STRUCTURES AND PATTERNS, CHANGES TO LANDSCAPING, ETC.

GRADING NOTES

- ALL PROPOSED GRADES SHOWN ARE FINAL GRADES, TOP OF GROUND LEVEL, TOP OF PAVEMENT, OR GRATE ELEVATION AT THE DRAWDOWN POINT UNLESS NOTED OTHERWISE.
- ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS.
- CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION & SEDIMENT CONTROL PLAN PREPARED FOR THIS PROJECT.
- EARTHWORK SHALL INCLUDE CLEARING AND GRUBBING, STRIPPING AND STOCKPILING TOPSOIL, MASS GRADING, EXCAVATION, FILLING, UNDER CUT AND REPLACEMENT, IF REQUIRED, AND COMPACTION.
- CONTRACTOR TO REFILL UNDERCUT AREAS WITH SUITABLE MATERIAL AND COMPACT AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
- CONTRACTOR TO PLACE TOPSOIL OVER THE SUBGRADE OF UNPAVED, DISTURBED AREAS TO A DEPTH INDICATED ON THE LANDSCAPE PLANS (4" MINIMUM).
- PAVEMENT SLOPES ACROSS ACCESSIBLE PARKING STALLS AND ADJOINING ACCESS AISLES SHALL BE MAXIMUM 2% AND SHALL CONFORM TO THE LATEST REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.
- ALL SLOPES IN NON-PAVED AREAS SHALL BE 3:1 (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
- ALL AREAS NOT PAVED SHALL BE STABILIZED IN ACCORDANCE WITH THE EROSION & SEDIMENT CONTROL PLAN, UNLESS NOTED OTHERWISE.
- COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED SEWER PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID SEWERS. ALL FILLS SHALL BE CONTROLLED, COMPACTED, AND INSPECTED BY AN APPROVED TESTING LABORATORY OR AN INSPECTOR FROM THE APPROPRIATE GOVERNMENTAL AGENCY.
- ALL EXCESS SOIL MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS NOTED OTHERWISE. EXCESS SOIL MATERIALS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OFFSITE AT NO ADDITIONAL COST TO THE OWNER IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR BALANCING THE SITE EARTHWORK BY IMPORTING OR EXPORTING AS NECESSARY TO ACHIEVE DESIGN GRADES AND SPECIFICATIONS.

STORM DRAINAGE NOTES

- DISTANCES SHOWN ON PIPING ARE HORIZONTAL DISTANCES FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE INSTALLATION, INSPECTION, TESTING AND FINAL ACCEPTANCE OF ALL NEW STORMWATER MANAGEMENT FACILITIES. CONTRACTOR SHALL COORDINATE WITH ALL APPLICABLE REGULATING AGENCIES CONCERNING INSTALLATION, INSPECTION AND APPROVAL OF THE STORM DRAINAGE SYSTEM CONSTRUCTION.
- ALL STORMWATER MANAGEMENT FACILITIES, INCLUDING COLLECTION AND CONVEYANCE STRUCTURES, SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.
- ALL PROPOSED STORM SEWERS, SURFACE OR OTHER DRAINAGE FACILITIES WITHIN THE PROPERTY ARE TO BE PRIVATE AND MAINTAINED BY THE OWNER.
- THE CONTRACTOR IS TO CONSTRUCT CURBS, CATCH BASINS, DOWNSPOUTS, PIPING AND CONNECTION ETC. AS REQUIRED TO CONVEY THE ROOF AND PAVED SURFACE DRAINAGE TO THE INFILTRATION CHAMBERS.
- ALL CATCH BASINS AND MANHOLES WITH A DEPTH GREATER THAN 4' SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF MASSACHUSETTS DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
- STORM SEWER PIPE LABELED "ST" SHALL BE ONE OF THE FOLLOWING: PVC SDR-35, OR HIGH DENSITY POLYETHYLENE. STORM SEWER PIPE LABELED "ROP" SHALL BE REINFORCED CONCRETE PIPE. ALL STORM SEWER PIPE IS TO BE INSTALLED PER MASSDOT SPECIFICATIONS.
- STORM SEWER IS TO BE BEDDED WITH CLEAN GRANULAR MATERIAL-AGGREGATES NOT TO BE LARGER THAN 3/4" AND NOT SMALLER THAN NO. 8 SIEVE, AND SHALL BE FREE OF SILT AND FINES. BEDDING TO EXTEND MINIMUM OF 6" BELOW & 12" ABOVE THE PIPE AND AS SHOWN ON THE DETAILS.

UTILITY NOTES

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS IN A MANNER WHICH WILL NOT NEGATIVELY AFFECT ANY EXISTING USERS OF THESE UTILITIES.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY (WATER, SEWER, GAS, ELECTRIC, TELEPHONE AND CABLE) LOCATIONS, INVERTS AND CONDITIONS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN ON THE DRAWINGS AND REQUIRING MODIFICATIONS TO THE SITE DESIGN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONSTRUCTION, DEFERRING UTILITY CONDITIONS THAT ARE ENCOUNTERED BY THE CONTRACTOR, THAT REQUIRE MODIFICATION OF SITE DESIGN AND THAT ARE NOT BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT AT HIS SOLE COST.
- ALL ELECTRIC LINES AND ASSOCIATED INFRASTRUCTURE SHOULD BE INSTALLED PER EVERSOURCE REQUIREMENTS.

- ALL GAS LINES AND ASSOCIATED INFRASTRUCTURE SHOULD BE INSTALLED PER APPLICABLE NATURAL GAS COMPANY REQUIREMENTS.
- ALL TELEPHONE LINES AND ASSOCIATED INFRASTRUCTURE SHOULD BE INSTALLED PER APPLICABLE UTILITY COMPANY REQUIREMENTS.
- ALL UNDERGROUND UTILITIES MUST BE CLEARLY & PERMANENTLY MARKED WITH UNDERGROUND MARKING TAPE AND AS REQUIRED BY THE APPROPRIATE UTILITY COMPANY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES 48 HOURS PRIOR TO BEGINNING EXCAVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PAVEMENT REPAIRS REQUIRED AS A RESULT OF ANY UTILITY WORK.
- LOCATIONS AND ELEVATIONS OF UTILITY LINES ENTERING BUILDINGS SHOULD BE COORDINATED WITH THE ARCHITECTURAL & MEP DRAWINGS PRIOR TO CONSTRUCTION.
- ALL MANHOLE COVERS, GRATES, RIMS, AND UTILITY STRUCTURES TO REMAIN SHALL BE ADJUSTED TO PROPOSED GRADE.
- CONTRACTOR TO PROVIDE ALL FITTINGS AND BENDS NECESSARY TO ACCOMPLISH WORK.
- A MINIMUM EIGHTEEN (18) INCHES VERTICAL CLEARANCE BETWEEN WATER, GAS, ELECTRICAL, AND TELEPHONE LINES AND STORM PIPING SHALL BE PROVIDED.
- UTILITY CONNECTION DESIGN AS REFLECTED ON THE PLAN MAY CHANGE SUBJECT TO UTILITY PROVIDER AND GOVERNING AUTHORITY STAFF REVIEW.
- THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY PROVIDERS FOR SERVICE INSTALLATIONS AND CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WORK TO BE PERFORMED BY THE VARIOUS UTILITY PROVIDERS AND SHALL PAY ALL FEES FOR CONNECTIONS, DISCONNECTIONS, RELOCATIONS, INSPECTIONS, AND DEMOLITION UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATIONS MANUAL AND/OR GENERAL CONDITIONS OF THE CONTRACT.
- ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT, AFTER UTILITY INSTALLATION IS COMPLETED, THE CONTRACTOR SHALL INSTALL PERMANENT PAVEMENT REPAIR AS DETAILED ON THE DRAWINGS OR AS REQUIRED BY THE OWNER HAVING JURISDICTION. IN THE EVENT THAT PAVEMENT REPAIR CAN NOT BE PROVIDED DUE TO WEATHER CONDITIONS, PROVIDE TEMPORARY PAVEMENT REPAIR UNTIL PERMANENT REPAIR CAN BE PROVIDED.
- RELOCATION OF UTILITY PROVIDER FACILITIES SUCH AS POLES, SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY PROVIDER.
- BUILDING UTILITY PENETRATIONS AND LOCATIONS ARE SHOWN FOR THE CONTRACTOR'S INFORMATION AND SHALL BE VERIFIED WITH THE BUILDING MEP DRAWINGS AND WITH THE OWNER'S CONSTRUCTION MANAGER.
- ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION FOR APPROVAL PRIOR TO BACKFILLING, IN ACCORDANCE WITH THE APPROPRIATE UTILITY PROVIDER REQUIREMENTS.
- SITE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND CABLES FOR SITE LIGHTING WITH THE ARCHITECT.
- THE CONTRACTOR SHALL ARRANGE AND COORDINATE WITH UTILITY PROVIDERS FOR WORK TO BE PERFORMED BY UTILITY PROVIDERS. THE CONTRACTOR SHALL PAY ALL UTILITY FEES UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATION MANUAL AND GENERAL CONDITIONS, AND REPAIR PAVEMENTS AS NECESSARY.
- ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, ENGINEER, AND APPROPRIATE REGULATORY AGENCIES PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE OWNERS, THE CIVIL ENGINEER, UTILITY PROVIDERS AND GOVERNING AUTHORITIES.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS OF ALL UTILITY ENTRANCES. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ENSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE REGULATORY AGENCY AS TO LOCATION OF AND SCHEDULING OF CONNECTIONS TO THEIR FACILITIES.
- ALL REQUIRED UTILITIES SERVING THE BUILDINGS SHALL BE COORDINATED AND CONSTRUCTED TO WITHIN FIVE FEET OF BUILDING UTILITY ENTRANCE LOCATION AT THE INVERTS NOTED. ALL REQUIRED CONNECTION FEES SHALL BE PAID BY THE BUILDING CONTRACTOR. ANY NECESSARY EXTENSIONS, RELOCATIONS, OR CORRECTIONS WITHIN FIVE FEET OF THE BUILDING NECESSARY TO COMPLETE CONNECTION OF UTILITIES TO THE BUILDINGS SHALL BE MADE BY THE BUILDING CONTRACTOR.
- THE CONTRACTOR MUST NOTIFY THE TOWN ENGINEER/DEPARTMENT OF PUBLIC WORKS A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. ALL CONNECTIONS TO TOWN FACILITIES SHALL BE COORDINATED WITH AND WITNESSED BY TOWN DPW PERSONNEL.
- ALL ON-SITE UTILITIES SHALL BE UNDERGROUND, WHERE APPLICABLE.
- CONTRACTOR TO COORDINATE GAS MAIN, ELECTRIC, AND TELEPHONE INSTALLATION WITH APPROPRIATE UTILITY COMPANIES.
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 30 INCHES OF COVER FOR ALL UNDERGROUND ELECTRIC, TELEPHONE AND GAS UTILITIES OR AS REQUIRED BY THE UTILITY COMPANY, WHICHEVER IS MORE RESTRICTIVE.
- ALL DETAILS OF ELECTRIC, GAS, & TELEPHONE UTILITY SERVICE SHALL BE APPROVED BY THE APPLICABLE UTILITY COMPANY AND INSTALLED TO THEIR REQUIREMENTS AS WELL AS THOSE OF THE DIRECTOR OF PUBLIC WORKS.
- SEE PLAN FOR EXTERIOR CAMERA LOCATION. ALL CAMERA SHALL BE ON POLE.
- PROVIDE TWO 2" CONDUITS PER EACH CAMERA LOCATION TO OUTBUILDING FOR NETWORK CONNECTION AND POWER.

TABLE OF ABBREVIATIONS

General		Utilities	
ACR	ACCESSIBLE CURB RAMP	ABAN	ABANDON
ADA	AMERICANS WITH DISABILITIES ACT	ADJ	ADJUST
APPROX	APPROXIMATE	CATV	CABLE TV
ARCH	ARCHITECTURAL	CIP	CAST IRON PIPE
BC	BOTTOM OF CURB	CMP	CORRUGATED METAL PIPE
BCB	BITUMINOUS CONCRETE BERM	CO	CLEANOUT
BCC	BITUMINOUS CONCRETE CURB	COND	CONDUIT
BIT	BITUMINOUS	CS	CURB STOP AND BOX
BLDG	BUILDING	DA	DIAMETER
BLSF	BORDERING LAND SUBJECT TO FLOODING	DCB	DOUBLE CATCH BASIN
BOT	BOTTOM	DET	DETENTION
BS	BOTTOM OF SLOPE	DIP	DUCTILE IRON PIPE
BW	BOTTOM OF WALL	DMH	DRAIN MANHOLE
BWLL	BROKEN WHITE LANE LINE	DW	DOMESTIC WATER
CCB	CAPE COD BERM	EMH	ELECTRIC MANHOLE
CLF	CHAIN LINK FENCE	FA	FIRE ALARM
CONC	CONCRETE	FES	FLARED END SECTION
DPW	DEPARTMENT OF PUBLIC WORKS	FP	FIRE PROTECTION
DYCL	DOUBLE YELLOW CENTER LINE	FM	FORCE MAIN
ECC	EXTRUDED CONCRETE CURB	FO	FIBER OPTICS
ELEV	ELEVATION	F&C	FRAME AND COVER
EOP	EDGE OF PAVEMENT	F&G	FRAME AND GRATE
EX	EXISTING	GG	GAS GATE
EXIST	EXISTING	GI	GUTTER INLET
FDN	FOUNDATION	GM	GAS METER
FFE	FIRST FLOOR ELEVATION	GT	GREASE TRAP
GRAN	GRANITE	HDP	HIGH DENSITY POLYETHYLENE PIPE
GTD	GRADE TO DRAIN	HH	HAND HOLE
HP	HIGH POINT	HW	HEADWALL
LA	LANDSCAPE AREA	HYD	HYDRANT
LOD	LIMIT OF DISTURBANCE	INF	INFILTRATION
LOW	LIMIT OF WORK	INV	INVERT ELEVATION
LP	LOW POINT	I=	INVERT ELEVATION
MAX	MAXIMUM	MES	METAL END SECTION
MCC	MONOLITHIC CONCRETE CURB	MW	MONITORING WELL
ME	MATCH EXISTING	OHW	OVERHEAD WIRE
MIN	MINIMUM	PB	PULL BOX
NDZ	NO DISTURB ZONE	PV	POST INDICATOR VALVE
NIC	NOT IN CONTRACT	PVC	POLYVINYLCHLORIDE PIPE
NCS	NOT TO SCALE	RPC	REINFORCED CONCRETE PIPE
PCC	PRECAST CONCRETE CURB	RD	ROOF DRAIN
PL	PROPERTY LINE	R=	RIM ELEVATION
PROP	PROPOSED	SAS	SOIL ABSORPTION SYSTEM
R	RADIUS	SCB	SINGLE CATCH BASIN
RA	RIVERFRONT AREA	SLP	SITE LIGHT POLE
REM	REMOVE	SMH	SEWER MANHOLE
RET	RETAIN	SYS	SYSTEM
ROW	RIGHT-OF-WAY	TMH	TELEPHONE MANHOLE
R&D	REMOVE AND DISPOSE	TSV	TAPPING SLEEVE, VALVE, AND BOX
R&R	REMOVE AND RESET	UD	UNDERDRAIN
R&S	REMOVE AND SALVAGE	UG	UNDERGROUND
SGE	SLOPED GRANITE EDGING	UP	UTILITY POLE
SWEL	SOLID WHITE EDGE LINE	WM	WATER METER
WOL	SOLID WHITE LANE LINE	WQI	WATER QUALITY INLET
TC	TOP OF CURB	WQU	WATER QUALITY UNIT
TR	TRASH BAY	WV	WATER VALVE AND BOX
TS	TOP OF SLOPE		
TW	TOP OF WALL		
TYP	TYPICAL		
VGC	VERTICAL GRANITE CURB		

EVERSOURCE ENERGY
37 DOTY STREET
WAREHAM, MASSACHUSETTS

Civil & Environmental Consultants, Inc.
31 Bellows Road - Raynham, MA 02767
Ph: 774.501.2176 • 866.912.2024 • Fax: 774.501.2669
www.cecinco.com

GENERAL NOTES

DATE: OCTOBER 11, 2025 DRAWN BY: KJ
DWG SCALE: NOT TO SCALE CHECKED BY: CJV
PROJECT NO: 323-322
APPROVED BY: BEP

DRAWING NO:

C001

SHEET 2 OF 12





NOTES

- PROPERTY LINE INFORMATION TAKEN FROM PLAN TITLED "APPROVAL NOT REQUIRED PLAN OF LAND ON WAREHAM, MA" PREPARED FOR CLOVER LEAF GROUP NOMINEE TRUST, BY LAMONT R. HEALY LAND SURVEYORS, SCALE: 1"=80' DATED: MARCH 7, 1989 RECORDED IN THE PLYMOUTH COUNTY REGISTRY OF DEEDS AS BOOK 32 PAGE 204 AND AN ACCEPTANCE BY TOWN OF WAREHAM AT THE APRIL 22, 2002 ANNUAL TOWN MEETING UNDER ARTICLE 41-J TO ALTER OR RELOCATE DOTY STREET.
- EXISTING SITE TOPOGRAPHIC INFORMATION COMPILED FROM A FIELD SURVEY BY CIVIL AND ENVIRONMENTAL CONSULTANTS IN JULY AND AUGUST 2022. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND TOWN OF WAREHAM IMMEDIATELY.
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LEGEND

- EXISTING SUBJECT PROPERTY LINE
- EXISTING INDEX (MAJOR) CONTOUR
- EXISTING INTERMEDIATE (MINOR) CONTOUR
- EXISTING WETLAND LINE
- 100-FT WETLAND BUFFER ZONE LINE
- 50-FT WETLAND BUFFER ZONE LINE
- EXISTING CHAIN LINK FENCE LINE
- EXISTING CURB
- EXISTING EDGE OF PAVEMENT
- EXISTING ASPHALT PAVEMENT
- EXISTING STRUCTURE
- EXISTING STORM PIPE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD WIRE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING SEWER MANHOLE
- EXISTING DRAIN MANHOLE
- EXISTING WATER SHUT OFF/WATER GATE
- EXISTING GAS SHUT OFF/GAS GATE
- EXISTING CATCH BASIN
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING SPIGOT
- EXISTING GAS METER
- EXISTING AIR CONDITIONING UNIT
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- EXISTING ELECTRIC METER

REVISION RECORD

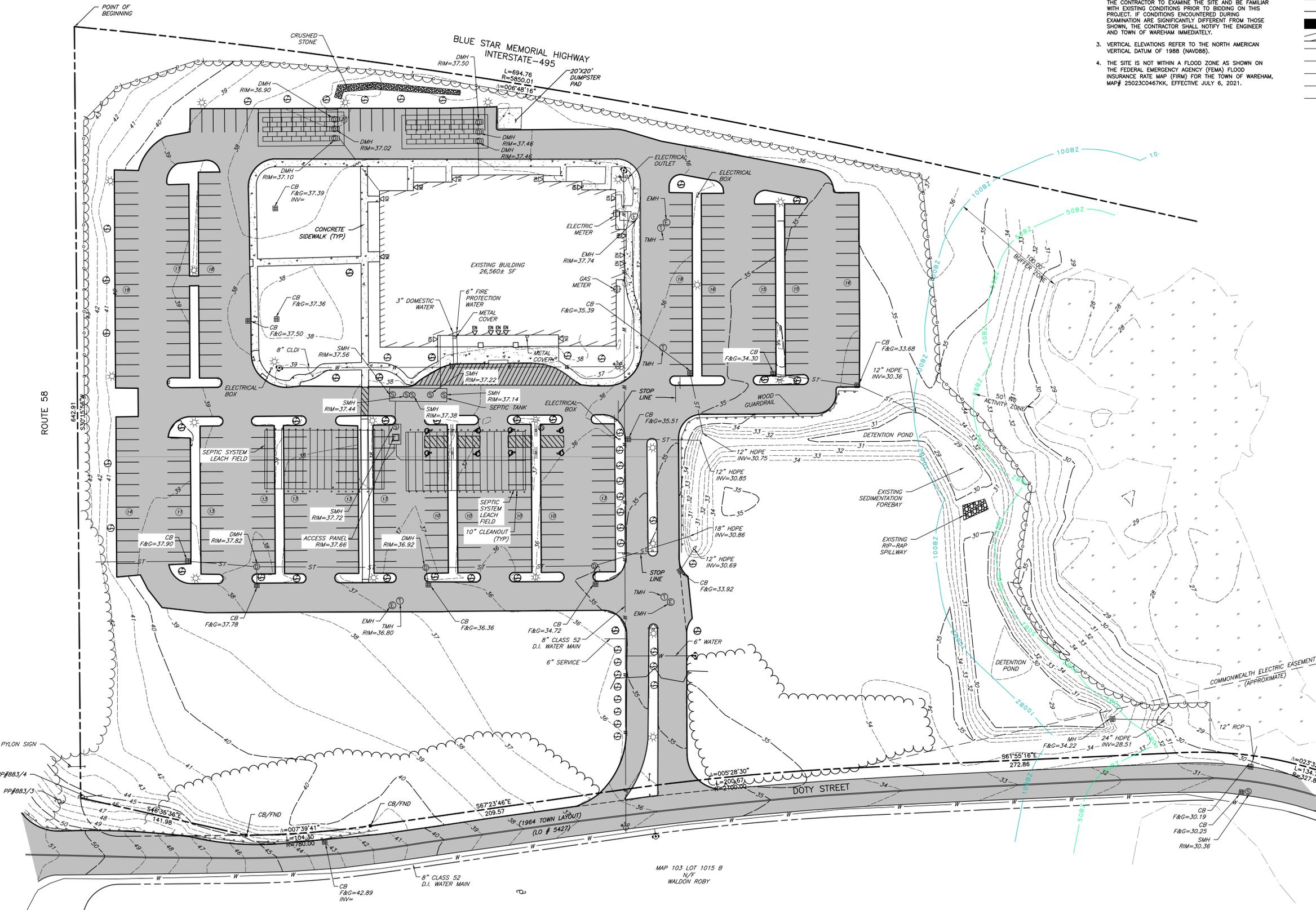
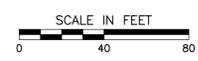
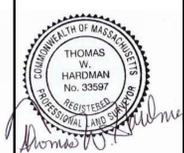
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1	10/11/2023	RESPONSE TO FEEDBACK COMMENTS

EVERSOURCE ENERGY
37 DOTY STREET
WAREHAM, MASSACHUSETTS

EXISTING CONDITIONS

DRAWING NO. **C100**
 SHEET 3 OF 13

Civil & Environmental Consultants, Inc.
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 www.ceccinc.com



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 PP#883/3

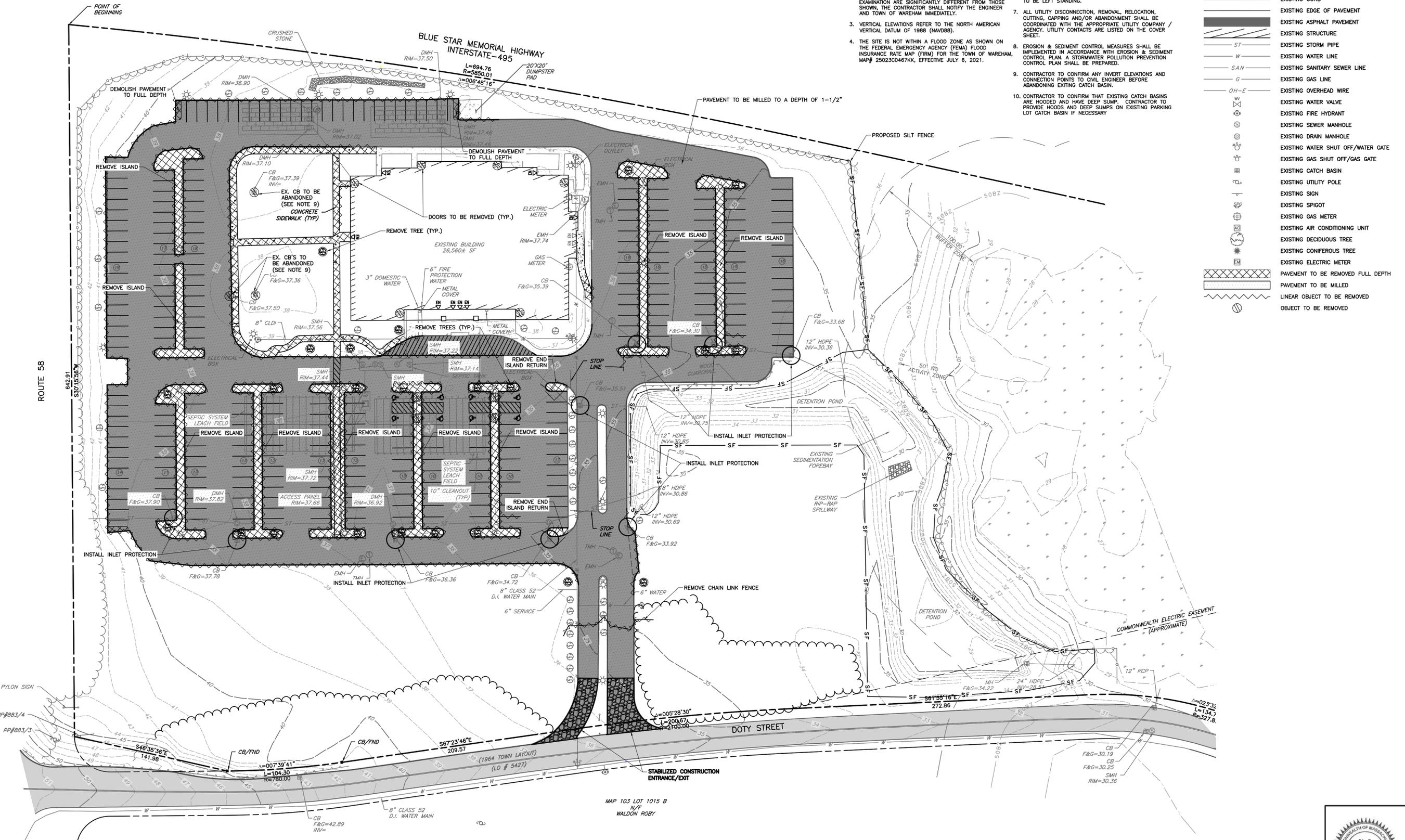


NOTES

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- PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
- ALL UTILITY DISCONNECTION, REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY / AGENCY. UTILITY CONTACTS ARE LISTED ON THE COVER SHEET.
- EROSION & SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH EROSION & SEDIMENT CONTROL PLAN. A STORMWATER POLLUTION PREVENTION CONTROL PLAN SHALL BE PREPARED.
- CONTRACTOR TO CONFIRM ANY INVERT ELEVATIONS AND CONNECTION POINTS TO CIVIL ENGINEER BEFORE ABANDONING EXISTING CATCH BASIN.
- CONTRACTOR TO CONFIRM THAT EXISTING CATCH BASINS ARE HOODED AND HAVE DEEP SUMP. CONTRACTOR TO PROVIDE HOODS AND DEEP SUMPS ON EXISTING PARKING LOT CATCH BASIN IF NECESSARY.

LEGEND

- EXISTING SUBJECT PROPERTY LINE
- EXISTING INDEX (MAJOR) CONTOUR
- EXISTING INTERMEDIATE (MINOR) CONTOUR
- EXISTING WETLAND LINE
- 100-FT WETLAND BUFFER ZONE LINE
- 50-FT WETLAND BUFFER ZONE LINE
- EXISTING CHAIN LINK FENCE LINE
- EXISTING CURB
- EXISTING EDGE OF PAVEMENT
- EXISTING ASPHALT PAVEMENT
- EXISTING STRUCTURE
- EXISTING STORM PIPE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD WIRE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING SEWER MANHOLE
- EXISTING DRAIN MANHOLE
- EXISTING WATER SHUT OFF/WATER GATE
- EXISTING GAS SHUT OFF/GAS GATE
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- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING SPIGOT
- EXISTING GAS METER
- EXISTING AIR CONDITIONING UNIT
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- EXISTING ELECTRIC METER
- PAVEMENT TO BE REMOVED FULL DEPTH
- PAVEMENT TO BE MILLED
- LINEAR OBJECT TO BE REMOVED
- OBJECT TO BE REMOVED



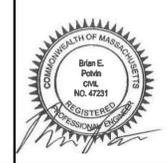
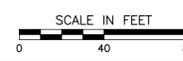
REVISION RECORD	
NO	DATE
1	10/20/24
RESPONSE TO PER REVIEW COMMENTS	

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 31 Bellows Road · Raynham, MA 02767
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 www.ceconc.com

**EVERSOURCE ENERGY
 37 DOTY STREET
 WAREHAM, MASSACHUSETTS**

EROSION & SEDIMENTATION CONTROL/DEMOLITION PLAN	
DATE:	DRAWN BY:
OCTOBER 11, 2023	KJ
PROJECT NO.:	CHECKED BY:
1" = 40'	CJV
APPROVED BY:	DRAFT
Brian E. Poth CIVIL ENGINEER No. 47251	323-322

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PARKING SUMMARY		
	REQUIRED	PROVIDED
USE: OFFICES (BUSINESS, PROFESSIONAL AND ADMINISTRATIVE)	1 SPACE PER 250 SF GROSS FLOOR AREA	226
GROSS FLOOR AREA: 39,592 SF		ADA SPACES: 8
TOTAL SPACES:	159	234

ZONING TABLE		
PRINCIPAL BUILDING		
	REQUIRED	PROVIDED
MINIMUM LOT AREA (SQUARE FEET)	30,000	823,984
MINIMUM FRONTAGE (FEET)	150	1,442.57
MINIMUM FRONT SETBACK (FEET)	20	367.27 (EXISTING)
MINIMUM SIDE/REAR SETBACK (FEET)	10	253.73/71.40 (EXISTING)
MAXIMUM HEIGHT (FEET)	40	N/A (EXISTING)
MAXIMUM BUILDING COVERAGE (%)	40	3.22 (EXISTING)
MAXIMUM IMPERVIOUS SURFACE (%)	65	38±
DISTANCE OF ANY STRUCTURE FROM A RESIDENTIAL DISTRICT (FEET)	40	71±

NOTES

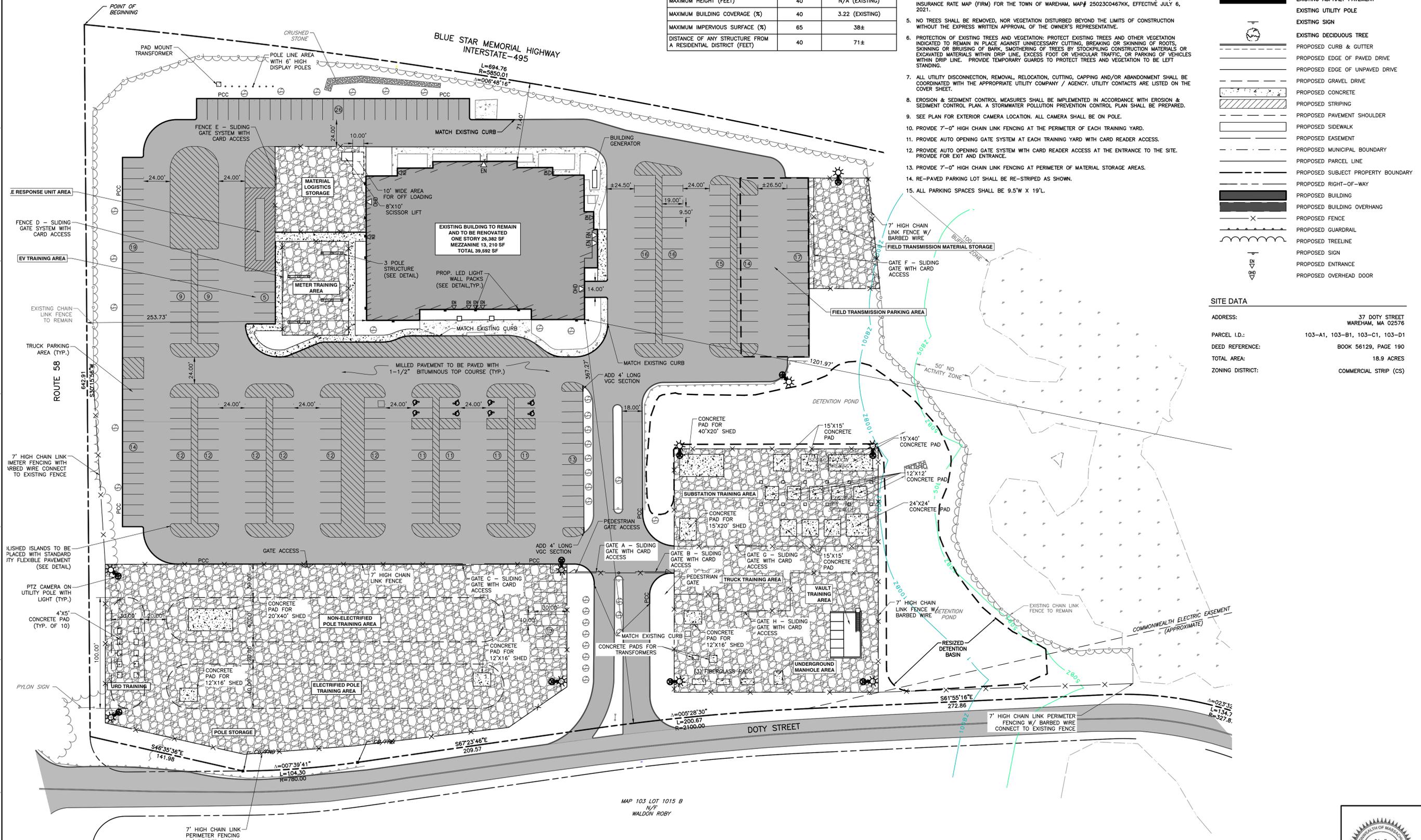
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- PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKIPPING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
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- EROSION & SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH EROSION & SEDIMENT CONTROL PLAN. A STORMWATER POLLUTION PREVENTION CONTROL PLAN SHALL BE PREPARED.
- SEE PLAN FOR EXTERIOR CAMERA LOCATION. ALL CAMERA SHALL BE ON POLE.
- PROVIDE 7'-0" HIGH CHAIN LINK FENCING AT THE PERIMETER OF EACH TRAINING YARD.
- PROVIDE AUTO OPENING GATE SYSTEM AT EACH TRAINING YARD WITH CARD READER ACCESS.
- PROVIDE AUTO OPENING GATE SYSTEM WITH CARD READER ACCESS AT THE ENTRANCE TO THE SITE. PROVIDE FOR EXIT AND ENTRANCE.
- PROVIDE 7'-0" HIGH CHAIN LINK FENCING AT PERIMETER OF MATERIAL STORAGE AREAS.
- RE-PAVED PARKING LOT SHALL BE RE-STRIPED AS SHOWN.
- ALL PARKING SPACES SHALL BE 9.5'W X 19'L.

LEGEND

- EXISTING SUBJECT PROPERTY LINE
- 100-FT WETLAND BUFFER ZONE LINE
- 50-FT WETLAND BUFFER ZONE LINE
- EXISTING CHAIN LINK FENCE LINE
- EXISTING ROADWAY CENTERLINE
- EXISTING CURB
- EXISTING EDGE OF PAVEMENT
- EXISTING ASPHALT PAVEMENT
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING DECIDUOUS TREE
- PROPOSED CURB & GUTTER
- PROPOSED EDGE OF PAVED DRIVE
- PROPOSED EDGE OF UNPAVED DRIVE
- PROPOSED GRAVEL DRIVE
- PROPOSED CONCRETE
- PROPOSED STRIPING
- PROPOSED PAVEMENT SHOULDER
- PROPOSED SIDEWALK
- PROPOSED EASEMENT
- PROPOSED MUNICIPAL BOUNDARY
- PROPOSED PARCEL LINE
- PROPOSED SUBJECT PROPERTY BOUNDARY
- PROPOSED RIGHT-OF-WAY
- PROPOSED BUILDING
- PROPOSED BUILDING OVERHANG
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED TREELINE
- PROPOSED SIGN
- PROPOSED ENTRANCE
- PROPOSED OVERHEAD DOOR

SITE DATA

ADDRESS: 37 DOTY STREET WAREHAM, MA 02576
 PARCEL I.D.: 103-A1, 103-B1, 103-C1, 103-D1
 DEED REFERENCE: BOOK 56129, PAGE 190
 TOTAL AREA: 18.9 ACRES
 ZONING DISTRICT: COMMERCIAL STRIP (CS)

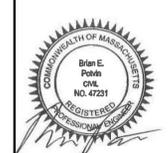


REVISION RECORD	
NO	DATE
1	10/20/24

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EVERSOURCE ENERGY
 37 DOTY STREET
 WAREHAM, MASSACHUSETTS

SITE LAYOUT
 DATE: OCTOBER 11, 2023
 DWG SCALE: 1" = 40'
 PROJECT NO: 323-322
 APPROVED BY: BEP



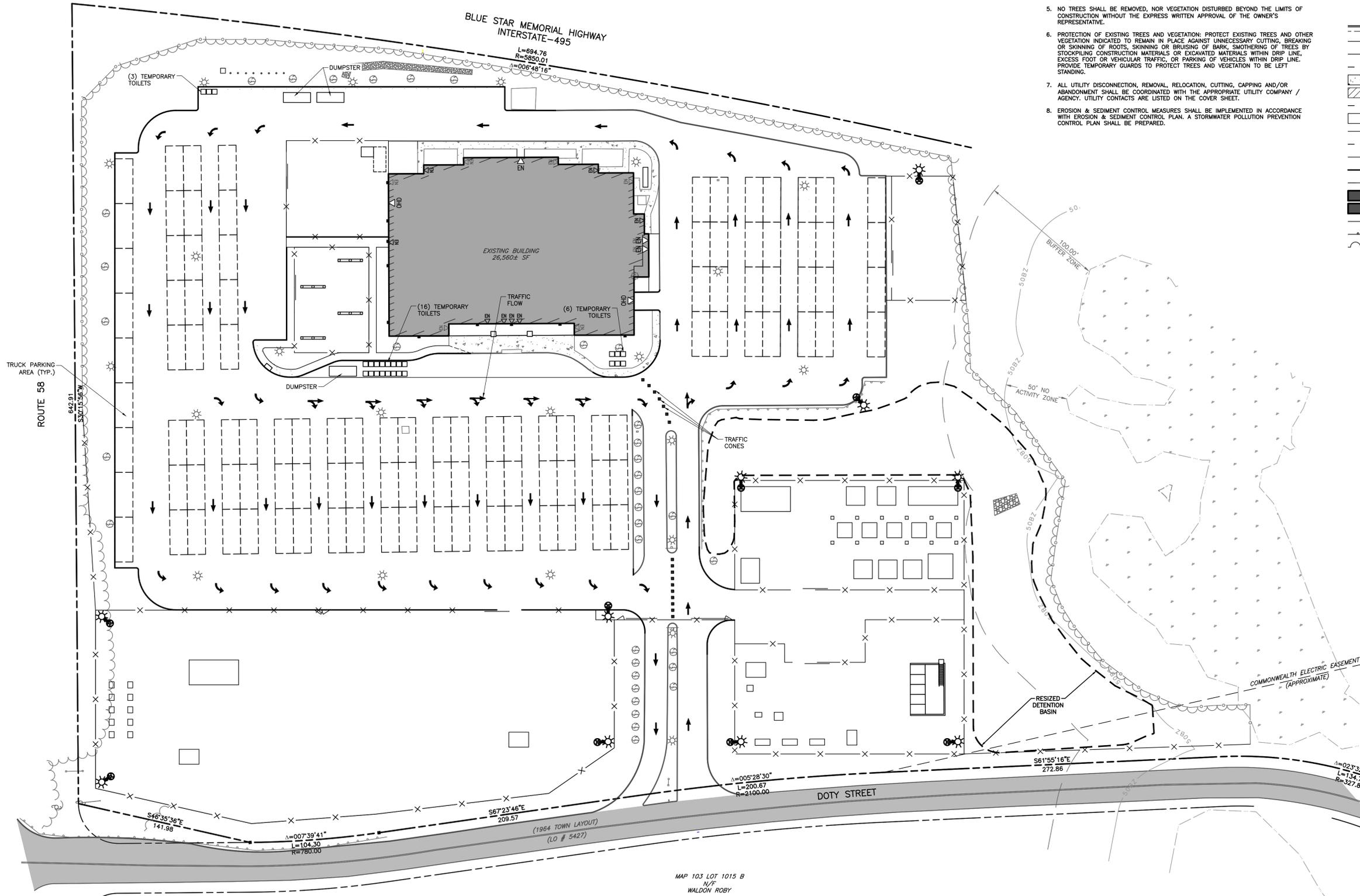


NOTES

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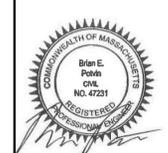
NO.	DATE	DESCRIPTION
1	10/20/24	RESPONSE TO PEER REVIEW COMMENTS

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EVERSOURCE ENERGY
 37 DOTY STREET
 WAREHAM, MASSACHUSETTS

EMERGENCY RESPONSE OPERATIONS GRAPHIC

DATE: OCTOBER 11, 2023 DRAWN BY: KJ
 DWG SCALE: 1" = 40' CHECKED BY: CJV
 PROJECT NO: 323-322
 APPROVED BY: BEP



SCALE IN FEET
0 40 80

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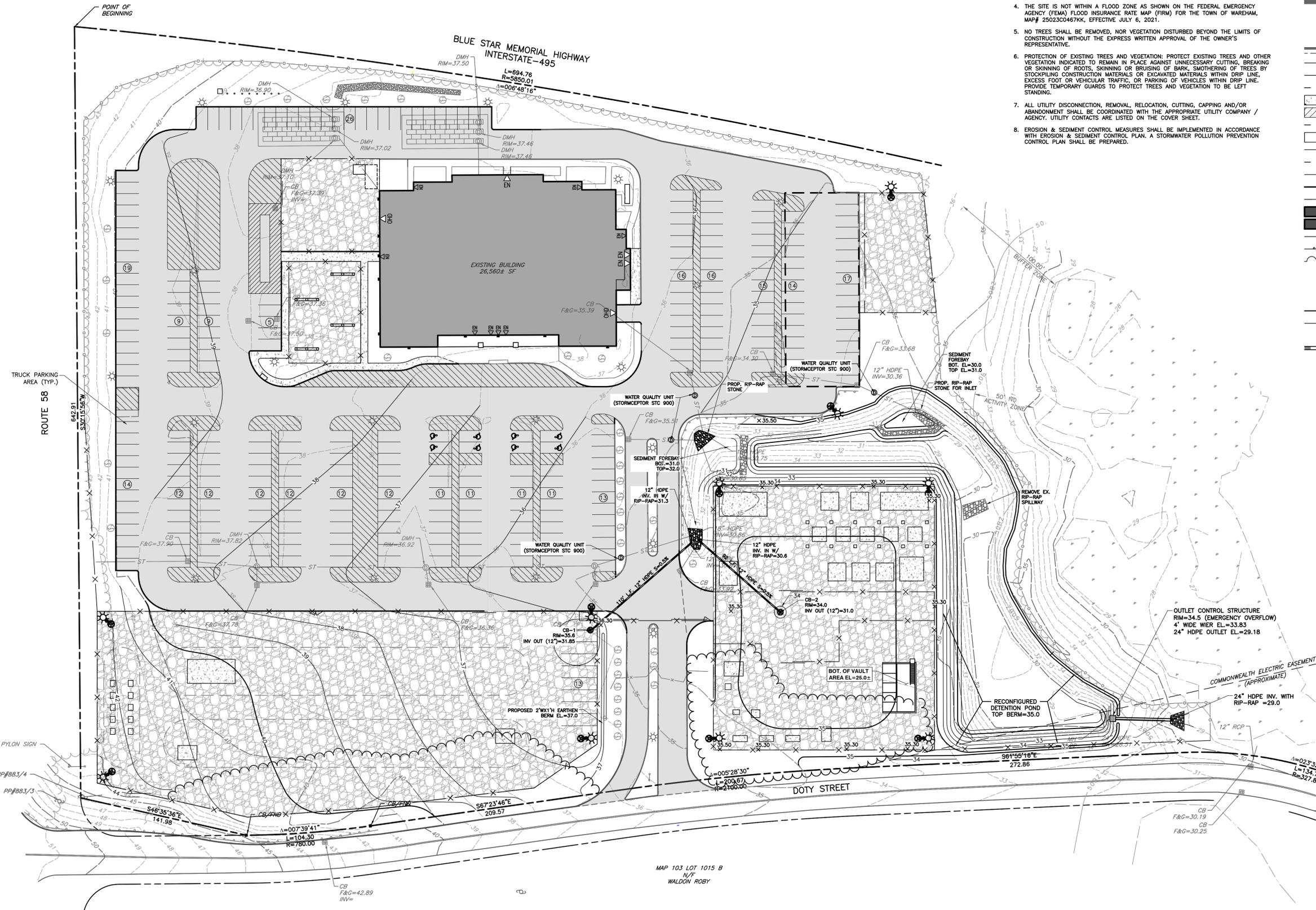


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LEGEND

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- 50-FT WETLAND BUFFER ZONE LINE
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- EXISTING SIGN
- EXISTING DECIDUOUS TREE
- PROPOSED CURB & GUTTER
- PROPOSED EDGE OF PAVED DRIVE
- PROPOSED EDGE OF UNPAVED DRIVE
- PROPOSED GRAVEL DRIVE
- PROPOSED CONCRETE
- PROPOSED STRIPING
- PROPOSED PAVEMENT SHOULDER
- PROPOSED SIDEWALK
- PROPOSED EASEMENT
- PROPOSED MUNICIPAL BOUNDARY
- PROPOSED PARCEL LINE
- PROPOSED SUBJECT PROPERTY BOUNDARY
- PROPOSED RIGHT-OF-WAY
- PROPOSED BUILDING
- PROPOSED BUILDING OVERHANG
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED TREELINE
- PROPOSED SIGN
- PROPOSED ENTRANCE
- PROPOSED OVERHEAD DOOR
- PROPOSED INDEX (MAJOR) CONTOUR
- PROPOSED INTERMEDIATE (MINOR) CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED STORM PIPE
- PROPOSED CATCH BASIN



NO.	DATE	DESCRIPTION
1	10/20/24	RESPONSE TO PER REVIEW COMMENTS

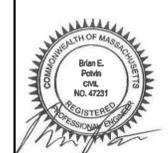
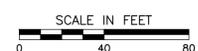
Civil & Environmental Consultants, Inc.
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EVERSOURCE ENERGY
37 DOTY STREET
WAREHAM, MASSACHUSETTS

GRADING/DRAINAGE PLAN

DRAWING NO. **C300**

DATE: OCTOBER 11, 2023
 DWG SCALE: 1" = 40'
 PROJECT NO: 323-322
 APPROVED BY: BEP



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SEPTIC CALCULATIONS FROM 02/03/02 CINEMA DESIGN PLAN

DESIGN FLOW 1400 SEATS X 5 GPD/SEAT = 7,000 GPD

SYSTEM DESIGN
DESIGN PERC RATE: 2 MINUTES PER INCH USE LEACHING BED: 100' LONG, 100' WIDE BOTTOM: 100' X 100'
X (0.74 G/SF)=7,400 GPD PROVIDED

SEPTIC TANK DESIGN
200X x 7,000 GPD=14,000 GPD USE 1, 23,000 GALLON 2 COMPARTMENT H-20 SEPTIC TANK

PUMP CHAMBER DESIGN
7,000 GPD / 4 DOSES PER DAY=1750 GAL. PER DOSE/2=875 GAL PER DOSE DOSING SHALL ALTERNATE
FROM SYSTEM "A" TO SYSTEM "B"

1750 GALLONS + 7,000 GALLON STORAGE=8,750 GALLON TANK REQUIRED USE 9,000 GALLON PUMP CHAMBER

DESIGN DATA

- ESTIMATED DAILY FLOW:
SECONDARY EDUCATION W/ CAFETERIA, GYMNASIUM AND SHOWERS: 20 GPD/PERSON
20 GPD X 350 STUDENTS (MAX.) = 7,000 GALLONS PER DAY.

PER THE ABOVE CALCULATIONS, THE EXISTING ON-SITE SEPTIC SYSTEM CAN ACCOMMODATE A MAXIMUM
OF 350 STUDENTS, WHICH IS MORE THAN THE ANTICIPATED AMOUNT.

LEGEND

	EXISTING SUBJECT PROPERTY LINE
	100-FT WETLAND BUFFER ZONE LINE
	50-FT WETLAND BUFFER ZONE LINE
	EXISTING CHAIN LINK FENCE LINE
	EXISTING ROADWAY CENTERLINE
	EXISTING CURB
	EXISTING EDGE OF PAVEMENT
	EXISTING ASPHALT PAVEMENT
	EXISTING STORM PIPE
	EXISTING WATER LINE
	EXISTING SANITARY SEWER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD WIRE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING FIBER OPTIC LINE
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
	EXISTING SEWER MANHOLE
	EXISTING DRAIN MANHOLE
	EXISTING WATER SHUT OFF/WATER GATE
	EXISTING GAS SHUT OFF/GAS GATE
	EXISTING CATCH BASIN
	EXISTING UTILITY POLE
	EXISTING SIGN
	EXISTING DECIDUOUS TREE
	PROPOSED CURB & GUTTER
	PROPOSED SIDEWALK
	PROPOSED FENCE
	PROPOSED ENTRANCE
	PROPOSED OVERHEAD DOOR
	PROPOSED SPOT ELEVATION
	PROPOSED STORM PIPE
	PROPOSED CATCH BASIN
	PROPOSED UNDERGROUND ELECTRIC

NOTES

- PROPERTY LINE INFORMATION TAKEN FROM PLAN TITLED "APPROVAL NOT REQUIRED PLAN OF LAND ON WAREHAM, MA" PREPARED FOR CLOVER LEAF GROUP NOMINEE TRUST, BY LAMONY R. HEALY LAND SURVEYORS, SCALE: 1"=80' DATED: MARCH 7, 1989 RECORDED IN THE PLYMOUTH COUNTY REGISTRY OF DEEDS AS BOOK 32 PAGE 204.
- EXISTING SITE TOPOGRAPHIC INFORMATION COMPILED FROM A FIELD SURVEY BY CIVIL AND ENVIRONMENTAL CONSULTANTS IN JULY AND AUGUST 2022. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND TOWN OF WAREHAM IMMEDIATELY.
- VERTICAL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- THE SITE IS NOT WITHIN A FLOOD ZONE AS SHOWN ON THE FEDERAL EMERGENCY AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF WAREHAM, MAP# 25023C0467KK, EFFECTIVE JULY 6, 2021.
- NO TREES SHALL BE REMOVED, NOR VEGETATION DISTURBED BEYOND THE LIMITS OF CONSTRUCTION WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
- PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
- ALL UTILITY DISCONNECTION, REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY / AGENCY. UTILITY CONTACTS ARE LISTED ON THE COVER SHEET.
- EROSION & SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH EROSION & SEDIMENT CONTROL PLAN. A STORMWATER POLLUTION PREVENTION CONTROL PLAN SHALL BE PREPARED.
- FINAL LOCATION(S) OF PROPOSED UNDERGROUND ELECTRICAL LINES AND INFRASTRUCTURE SHALL BE INSTALLED PER EVERSOURCE REQUIREMENTS AND SHALL BE COORDINATED WITH CONTRACTOR/DEVELOPER.
- SEE SHEET C001 FOR UTILITY NOTES.

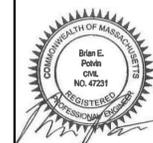
REVISION RECORD	
NO.	DATE
1	3/8/2024
	RESPONSE TO PER REVIEW COMMENTS

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EVERSOURCE ENERGY
37 DOTY STREET
WAREHAM, MASSACHUSETTS

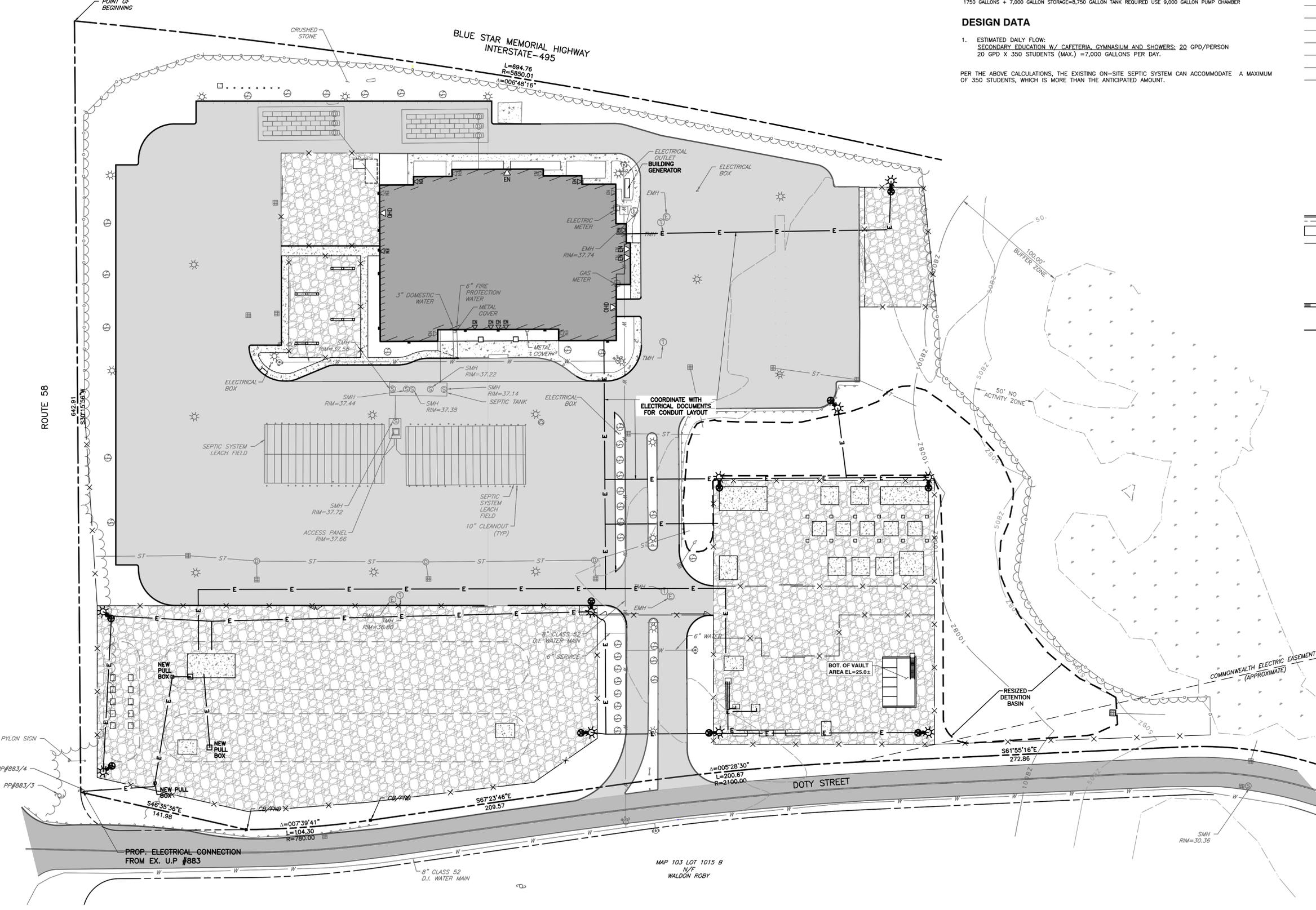
UTILITIES PLAN

DATE: OCTOBER 11, 2023 DRAWN BY: KJ
DWG SCALE: 1" = 40' PROJECT NO: 323-322
PROJECT NO: 323-322 CHECKED BY: CJV
PROJECT NO: 323-322 APPROVED BY: BEP

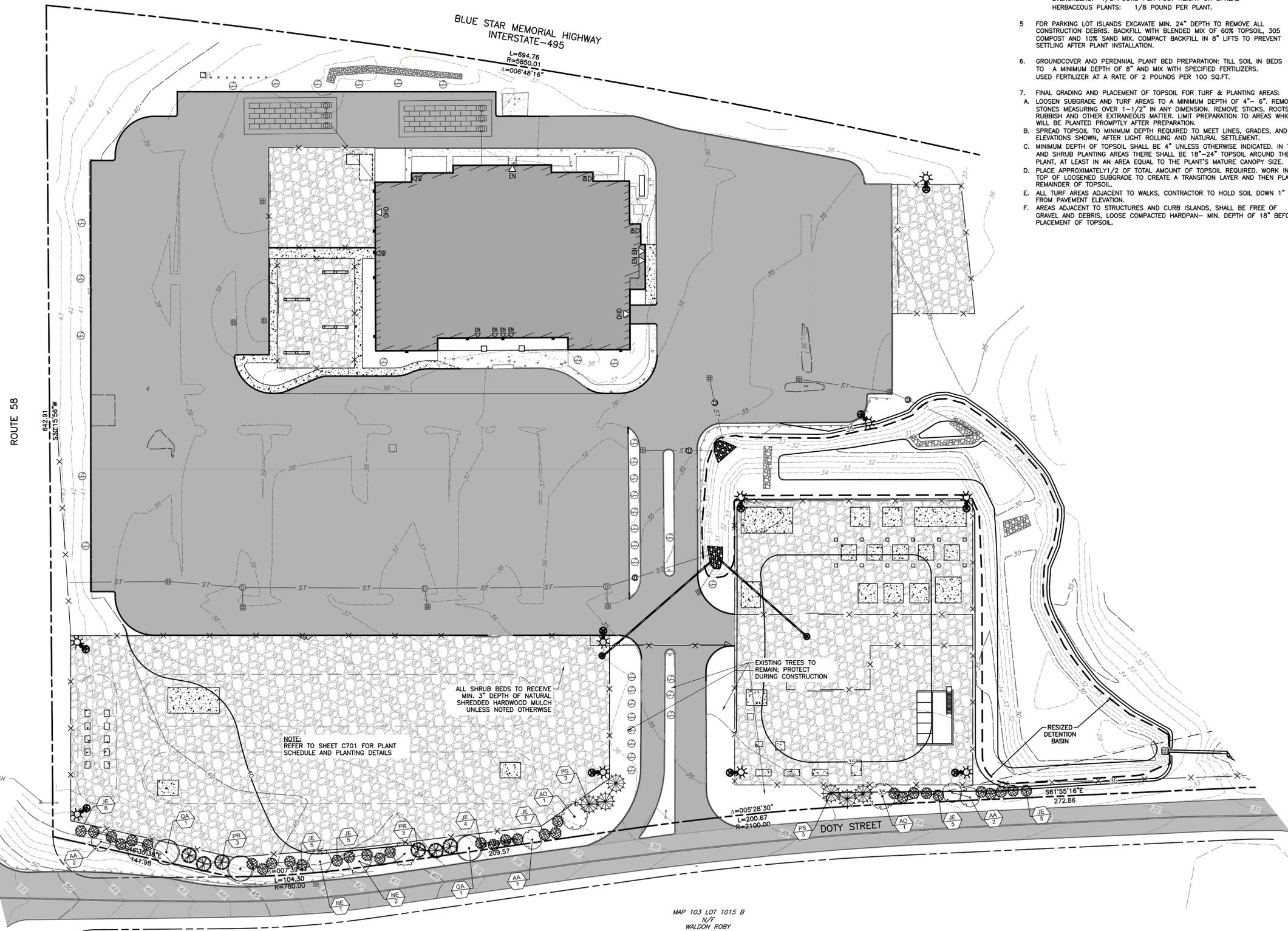


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MAP 103 LOT 1015 B
N/F
WALDON ROBY



PLANTING SOIL PREPARATION NOTES:

- BEFORE MIXING, CLEAN TOPSOIL OF ROOTS, PLANTS, SODS, STONES, CLAY LUMPS, AND OTHER EXTRANEUS MATERIALS HARMFUL TO PLANT GROWTH.
- MIX SOIL AMENDMENTS AS SPECIFIED ON PLANTING DETAILS. MIX FERTILIZERS WITH TOPSOIL AT RATES INDICATED. DELAY MIXING FERTILIZER IF PLANTING DOES NOT FOLLOW PLACING OF PLANTING SOIL WITHIN A FEW DAYS.
- FOR TREE PIT OR TRENCH BACKFILL, MIX PLANTING SOIL BEFORE BACKFILLING AND STOCKPILE AT SITE.
PROVIDE SPECIFIED FERTILIZER AT A RATE OF:
SHADE TREE: 2 POUNDS PER INCH OF CALIPER
SMALL TREE: 1 POUND PER INCH OF CALIPER
- FOR PLANTING BEDS, MIX PLANTING SOIL EITHER PRIOR TO PLANTING OR APPLY ON SURFACE OF TOPSOIL AND MIX THOROUGHLY BEFORE PLANTING.
APPLY SPECIFIED COMMERCIAL FERTILIZER AT RATES AND THOROUGHLY MIX INTO UPPER 2" OF TOPSOIL. PROVIDE SPECIFIED FERTILIZER AT THE FOLLOWING RATES:
SHRUBS: 1/4 POUND PER FOOT HEIGHT OR SPREAD
EVERGREENS: 1/8 POUND PER FOOT HEIGHT OR SPREAD
HERBACEOUS PLANTS: 1/8 POUND PER PLANT.
- FOR PARKING LOT ISLANDS EXCAVATE MIN. 24" DEPTH TO REMOVE ALL CONSTRUCTION DEBRIS. BACKFILL WITH BLENDED MIX OF 60% TOPSOIL, 30% COMPOST AND 10% SAND MIX. COMPACT BACKFILL IN 6" LIFTS TO PREVENT SETTLING AFTER PLANT INSTALLATION.
- GROUND COVER AND PERENNIAL PLANT BED PREPARATION: TILL SOIL IN BEDS TO A MINIMUM DEPTH OF 8" AND MIX WITH SPECIFIED FERTILIZERS. USED FERTILIZER AT A RATE OF 2 POUNDS PER 100 SQ.FT.
- FINAL GRADING AND PLACEMENT OF TOPSOIL FOR TURF & PLANTING AREAS:
A. LOOSEN SUBGRADE AND TURF AREAS TO A MINIMUM DEPTH OF 4"- 6". REMOVE STONES MEASURING OVER 1-1/2" IN ANY DIMENSION. REMOVE STICKS, ROOTS, RUBBISH AND OTHER EXTRANEUS MATTER. LIMIT PREPARATION TO AREAS WHICH WILL BE PLANTED PROMPTLY AFTER PREPARATION.
B. SPREAD TOPSOIL TO MINIMUM DEPTH REQUIRED TO MEET LINES, GRADES, AND ELEVATIONS SHOWN, AFTER LIGHT ROLLING AND NATURAL SETTLEMENT.
C. MINIMUM DEPTH OF TOPSOIL SHALL BE 4" UNLESS OTHERWISE INDICATED. IN TREE AND SHRUB PLANTING AREAS THERE SHALL BE 18"-24" TOPSOIL AROUND THE PLANT, AT LEAST IN AN AREA EQUAL TO THE PLANT'S MATURE CANOPY SIZE.
D. PLACE APPROXIMATELY 1/2 OF TOTAL AMOUNT OF TOPSOIL REQUIRED. WORK INTO TOP OF LOOSENED SUBGRADE TO CREATE A TRANSITION LAYER AND THEN PLACE REMAINDER OF TOPSOIL.
E. ALL TURF AREAS ADJACENT TO WALKS, CONTRACTOR TO HOLD SOIL DOWN 1" FROM PAVEMENT ELEVATION.
F. AREAS ADJACENT TO STRUCTURES AND CURB ISLANDS, SHALL BE FREE OF GRAVEL AND DEBRIS. LOOSE COMPACTED HARDPAN- MIN. DEPTH OF 18" BEFORE PLACEMENT OF TOPSOIL.

GENERAL LANDSCAPE NOTES:

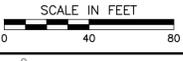
- ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY, OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
- CONTRACTOR SHALL REQUEST UTILITY LOCATIONS PRIOR TO COMMENCEMENT OF WORK. VERIFY ALL EXISTING UTILITIES AND CONDITIONS PRIOR TO ANY EXCAVATION AT LEAST 72 HOURS PRIOR TO LANDSCAPE INSTALLATION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS AND ELEVATIONS DURING THE ENTIRE CONSTRUCTION SCHEDULE. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM ACTUAL FIELD DIMENSIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL MAINTAIN ONE SET OF AS-BUILT/RECORD DRAWINGS ON THE JOB SITE DURING CONSTRUCTION FOR DISTRIBUTION TO THE OWNER AND/OR OWNER'S REPRESENTATIVE UPON COMPLETION.
- NO CHANGES TO THE SITE LANDSCAPE LAYOUT ARE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUALITY AND QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING AS SHOWN ON DRAWINGS. PLANT MATERIAL DELIVERED TO SITE SHALL BE STORED IN SECURE LOCATION NOT IN CONFLICT WITH OTHER CONSTRUCTION OPERATIONS AND MAINTAINED UNTIL TIME OF INSTALLATION.
- ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT "AMERICAN ASSOCIATION OF NURSERY STOCK, ANSI Z60.1-2004", PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN FINISHED AND APPROVED.
- ALL PLANTS SHALL BE PLANTED SO THAT THE ROOT CROWN IS PLANTED AT GRADE LEVEL.
- ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED AT THE TIME OF PLANTING. TWINE OR ROPE SHALL BE REMOVED FROM AROUND CROWN OF TRUNK TO PREVENT GIRDLING OF TREE OR SHRUB.
- WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE CONTAINER BALL SHALL BE CUT THROUGH THE SURFACE IN TWO VERTICAL LOCATIONS.
- CONTRACTOR TO REMOVE ALL LANDSCAPE DEBRIS FROM PLANTING OPERATIONS FROM THE PROJECT SITE. NO OPEN BURNING SHALL BE PERMITTED ON SITE.
- THE DAY PRIOR TO PLANTING, THE LOCATIONS OF ALL TREES AND SHRUBS SHALL BE STAKED AND PLANTING BEDLINE OUTLINES DEFINED FOR APPROVAL BY OWNER(S).
- THE LANDSCAPE CONTRACTOR SHALL REFER TO CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE NEW PLANT MATERIAL THROUGH TWO (2) CALENDAR YEARS FROM THE TIME OF SUBSTANTIAL COMPLETION OF PROJECT. AT THE END OF THIS PERIOD, ANY PLANT MATERIAL DEEMED UNSATISFACTORY BY LANDSCAPE ARCHITECT SHALL BE REPLACED AT NO ADDITIONAL COST TO OWNER.
- IF THERE IS A DISCREPANCY BETWEEN THE PLANS AND THE PLANT SCHEDULE, THE PLANS SHALL TAKE PRECEDENCE.
- CONTRACTOR SHALL REPAIR ANY DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO OWNER.
- STAKES AND OR GUY WIRES SHALL BE REMOVED AFTER ONE (1) YEAR OF INSTALLATION.
- ALL EXISTING LANDSCAPING SHALL BE MAINTAINED DURING CONSTRUCTION. ANY MATERIAL DEEMED DEAD OR UNSATISFACTORY BY LANDSCAPE ARCHITECT, WILL BE REPLACED EQUIVALENT IN SIZE AND SHAPE AT NO COST TO OWNER.
- IF PLANT SPECIES SPECIFIED ARE FOUND TO BE UNAVAILABLE OR NOT IN SUFFICIENT QUANTITIES AT TIME OF PLANTING, THE CONTRACTOR MAY SUBSTITUTE SPECIES UPON WRITTEN APPROVAL BY LANDSCAPE ARCHITECT.
- LANDSCAPING SHALL BE SUBSTANTIALLY INSTALLED PRIOR TO THE ISSUANCE OF OCCUPANCY PERMIT FOR THE PRINCIPAL STRUCTURE ON LOT. WEATHER PERMITTING, OR, IN THE EVENT OF ADVERSE WEATHER CONDITIONS, WITHIN NINETY (90) DAYS FOLLOWING THE COMMENCEMENT OF THE NEXT SUCCESSIVE PLANTING SEASON FOLLOWING ISSUANCE OF OCCUPANCY PERMIT.
- ALL LANDSCAPE PLANTINGS TO BE MAINTAINED BY CONTRACTOR FOR 60 DAYS FOLLOWING FINAL INSPECTION BY LANDSCAPE ARCHITECT. MAINTENANCE TO INCLUDE WATERING, WEED REMOVAL, MULCHING, MOWING AND ALL OTHER NECESSARY OPERATIONS REQUIRED FOR PROPER ESTABLISHMENT OF PLANTINGS AND TURF AREAS.

NO.	DATE	DESCRIPTION
1	04/08/2024	RESPONSE TO REVISION COMMENTS

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37 DOTY STREET
WAREHAM, MASSACHUSETTS

LANDSCAPING PLAN
 DATE: OCTOBER 11, 2023 DRAWN BY: [Signature]
 DWG SCALE: 1" = 40' CHECKED BY: [Signature]
 PROJECT NO: 323-322
 APPROVED BY: [Signature]

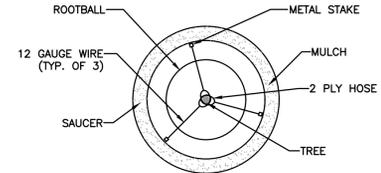


MAP 103 LOT 1015 B
WALDON ROBY

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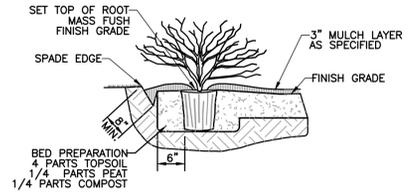
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TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	CALIPER	SIZE
	AO	2	ACER RUBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	B&B	2.5" CAL.	
	AA	5	AMELANCHIER ARBOREA DOWNY SERVICEBERRY	B&B	2.5" CAL.	
	JE	33	JUNIPERUS VIRGINIANA EASTERN REDCEDAR	B&B		6'-7' HT.
	NE	3	NYSSA SYLVATICA 'JFS-RED' FIRESTARTER® TUPELO	B&B	2.5" CAL.	
	PR	6	PINUS RIGIDA PITCH PINE	B&B		6'-7' HT.
	PS	6	PINUS STROBUS WHITE PINE	B&B		6'-7' HT.
	QA	3	QUERCUS ALBA WHITE OAK	B&B	2.5" CAL.	

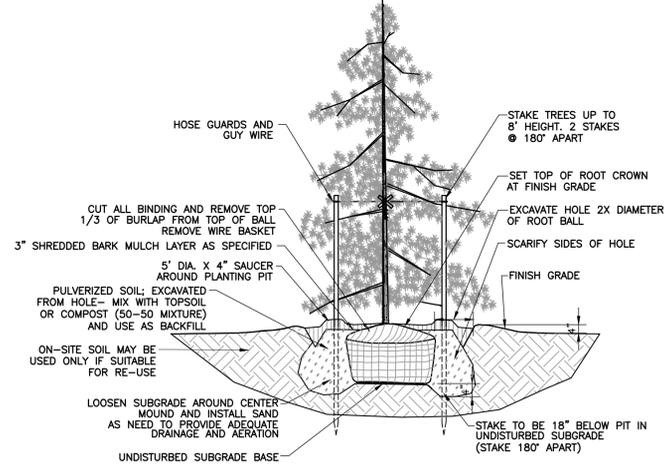


NOTE: LOCATE 1 STAKE DIRECTLY
SOUTHWEST OF TREE TRUNK

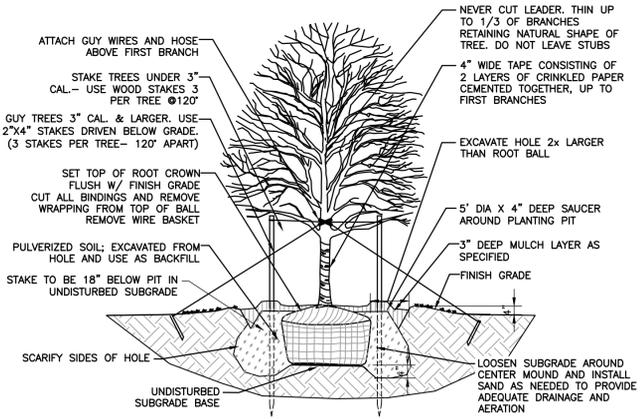
DETAIL 703 - TREE STAKING DETAIL
NOT TO SCALE



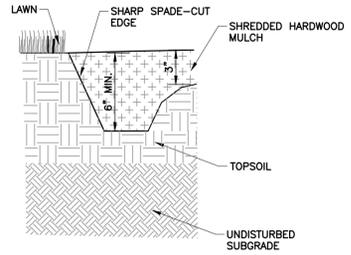
DETAIL 702 - SHRUB PLANTING DETAIL
NOT TO SCALE



DETAIL 701 - EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE



DETAIL 700- SHADE TREE PLANTING DETAIL
NOT TO SCALE



DETAIL 704 - SPADE EDGING DETAIL
NOT TO SCALE

NO.	DATE	DESCRIPTION
1	04/08/2024	RESPONSE TO PEER REVIEW COMMENTS

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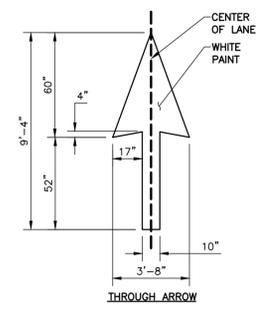
LANDSCAPE DETAILS

DRAWING NO.: **C701**
 SHEET 10 OF 13

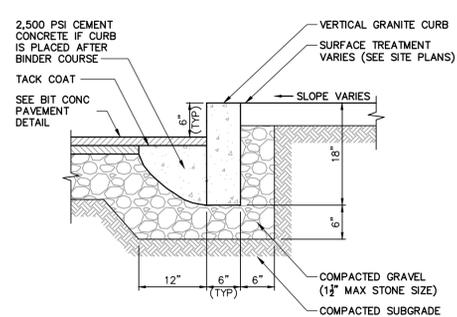


DATE: OCTOBER 11, 2023 | DRAWN BY: KJ
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 PROJECT NO: 323-322
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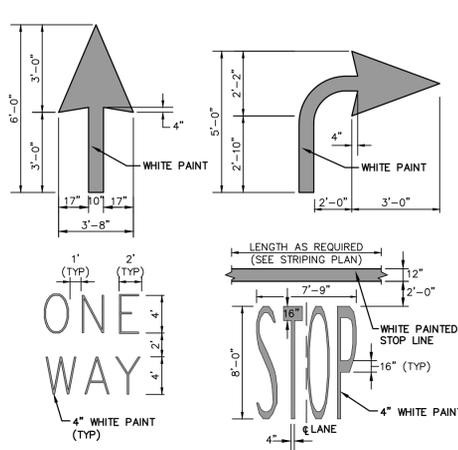
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 PROJECT NO: 323-322
 APPROVED BY: BEP



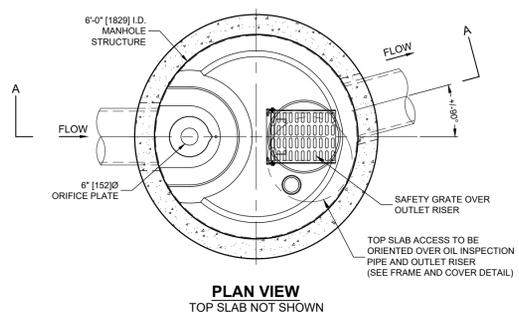
PAVEMENT STRIPING
N.T.S.



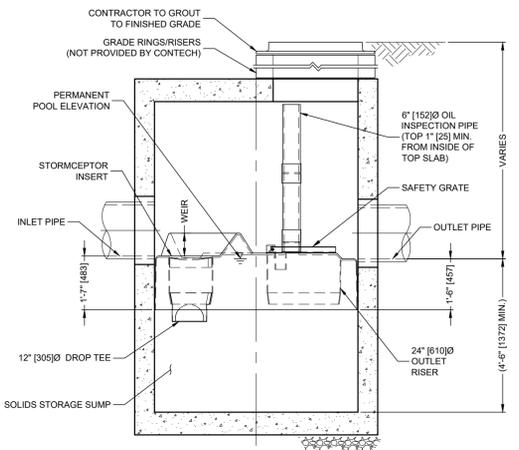
VERTICAL GRANITE CURB
N.T.S.



PAINTED PAVEMENT MARKINGS
N.T.S.



PLAN VIEW
TOP SLAB NOT SHOWN

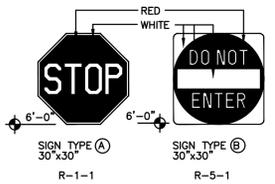
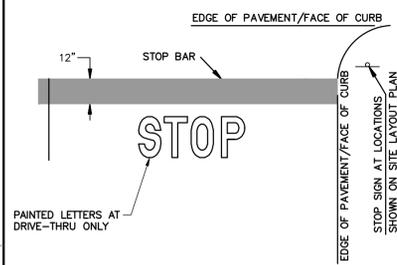


SECTION A-A
STORMCEPTOR STC 900 DETAIL
(NOT TO SCALE)



FRAME AND COVER
(MAY VARY)
NOT TO SCALE

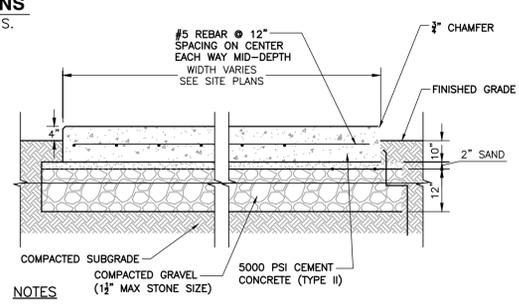
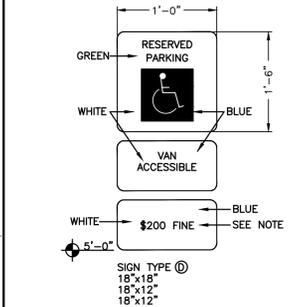
- GENERAL NOTES**
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 - FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE: www.contech.com
 - STORMCEPTOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
 - STORMCEPTOR STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0'-2" (610) AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M318 AND BE CAST WITH THE CONTECH LOGO.
 - STORMCEPTOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
 - ALTERNATE UNITS ARE SHOWN IN MILLIMETERS (mm).
- INSTALLATION NOTES**
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
 - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMCEPTOR MANHOLE STRUCTURE.
 - CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
 - CONTRACTOR TO PROVIDE, INSTALL AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
 - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



CONSTRUCTION NOTES:

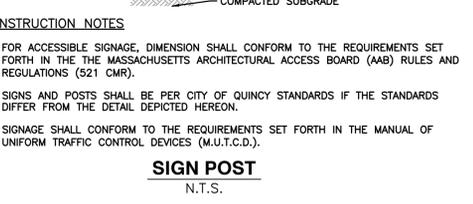
- SET POSTS IN CONCRETE TO A MINIMUM DEPTH OF 36". SIGN PANELS SHALL BE 0.100 ALUMINUM WITH RAISED OR SILKSCREEN COPY.
- FOR POST MOUNTING, USE NON-CORROSIVE 3/8" 2. MACHINE BOLTS W/ WASHERS, 2 PER SIGN; OR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- FOR WALL MOUNTING, USE NON-CORROSIVE 3/8" LAG BOLTS W/ LEAD EXPANSION SHIELD, 4 PER SIGN.
- ALL ACCESSIBLE PARKING SIGNAGE IS TO BE INSTALLED WITH THE BOTTOM EDGE OF THE LOWEST SIGN AT LEAST 60" ABOVE FINISHED GRADE.
- FINE AMOUNT SHALL BE DISPLAYED IN ACCORDANCE WITH LOCAL LAW. THE AMOUNT SHOWN HEREON IS REPRESENTATIVE ONLY. COORDINATE POSTING OF FINE AMOUNT WITH LOCAL LAW ENFORCEMENT AGENCY.
- STOP BAR MUST BE PAINTED WHITE.
- FOR ACCESSIBLE SIGNAGE, DIMENSIONS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (AAB) RULES AND REGULATIONS (521 CMR).
- SIGNAGE SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).

SIGNS
N.T.S.



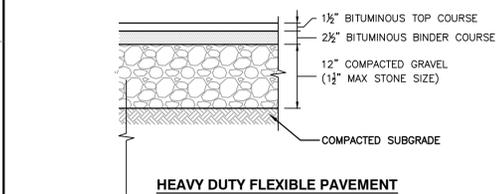
CONCRETE PAD GENERATOR
N.T.S.

- NOTES**
- SIZE (LENGTH AND WIDTH) OF GENERATOR PAD TO BE AS INDICATED ON SITE PLANS.
 - ALL EXPOSED TOP SURFACE EDGES SHALL HAVE 3/4" CHAMFER.

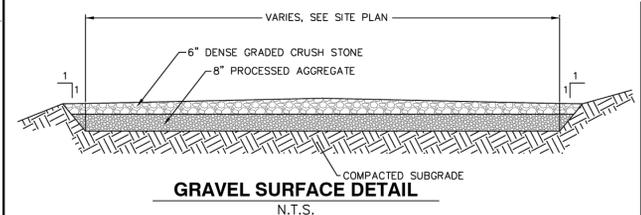


SIGN POST
N.T.S.

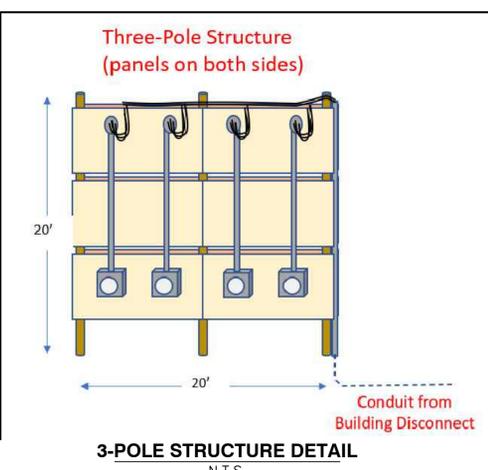
- CONSTRUCTION NOTES**
- FOR ACCESSIBLE SIGNAGE, DIMENSION SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (AAB) RULES AND REGULATIONS (521 CMR).
 - SIGNS AND POSTS SHALL BE PER CITY OF QUINCY STANDARDS IF THE STANDARDS DIFFER FROM THE DETAIL DEPICTED HEREON.
 - SIGNAGE SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).



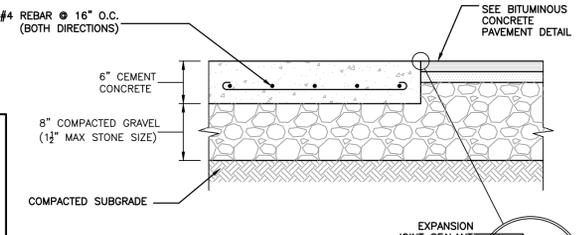
HEAVY DUTY FLEXIBLE PAVEMENT
N.T.S.



GRAVEL SURFACE DETAIL
N.T.S.

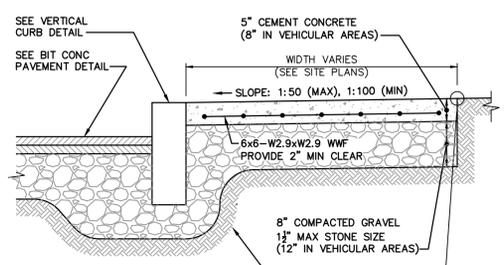


3-POLE STRUCTURE DETAIL
N.T.S.



CONCRETE PAVEMENT
N.T.S.

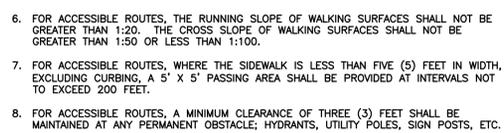
- NOTES**
- PAVEMENT SECTIONS ARE PRELIMINARY AND ARE SUBJECT TO CHANGE BASED ON THE RESULTS OF GEOTECHNICAL INVESTIGATIONS. FINAL CONCRETE PAVEMENT SECTION SHALL CONFORM WITH GEOTECHNICAL RECOMMENDATIONS.
 - CEMENT CONCRETE SHALL BE 4,000 PSI-TYPE II.
 - PROVIDE EXPANSION JOINTS AT A MINIMUM 30 FEET ON-CENTER WITH PRE-FORMED EXPANSION JOINT FILLER AND SEALER.
 - PROVIDE TOOLED CONTROL JOINTS AT A MINIMUM SIX (6) FEET ON-CENTER.
 - PROVIDE BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.



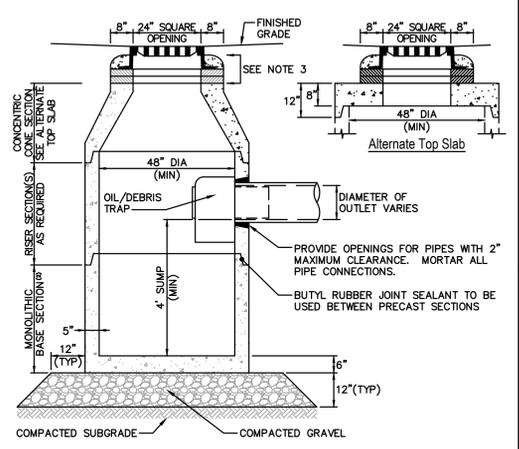
CONCRETE SIDEWALK
N.T.S.

- NOTES:**
- CEMENT CONCRETE SHALL BE 4,000 PSI-TYPE II.
 - PROVIDE EXPANSION JOINTS AT A MINIMUM 30 FEET ON-CENTER WITH PRE-FORMED EXPANSION JOINT FILLER AND SEALER.
 - PROVIDE TOOLED CONTROL JOINTS AT A MINIMUM SIX (6) FEET ON-CENTER.
 - PROVIDE BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.
 - FOR ACCESSIBLE ROUTES, SIDEWALKS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN.

Expansion Joint Detail



- CONSTRUCTION NOTES**
- STRUCTURE TO BE PRECAST CONCRETE, MINIMUM 4,000 PSI. ALL SECTIONS TO BE DESIGNED TO MEET OR EXCEED HS-20 LOADING.
 - BASE TO BE SINGLE POUR MONOLITHIC SECTION.
 - FRAME AND GRATE TO BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR. MAXIMUM OF FIVE BRICK COURSES.



SINGLE CATCH BASIN (SCB) WITH OIL / DEBRIS TRAP
N.T.S.

NO.	DATE	DESCRIPTION
1	3/8/2024	RESPONSE TO PER REVIEW COMMENTS

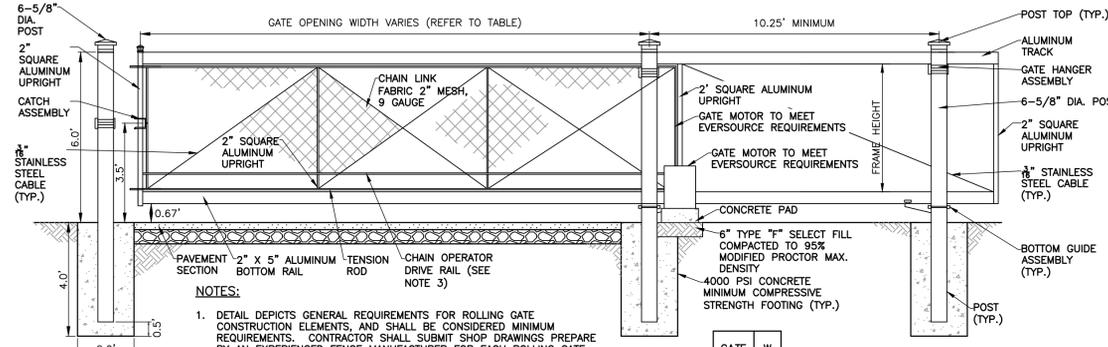
EVERSOURCE ENERGY
37 DOTY STREET
WAREHAM, MASSACHUSETTS

Civil & Environmental Consultants, Inc.
31 Bellows Road • Raynham, MA 02767
Ph: 774.501.2176 • 866.312.2024 • Fax: 774.501.2669
www.cecinc.com

DETAIL SHEET 1

C800

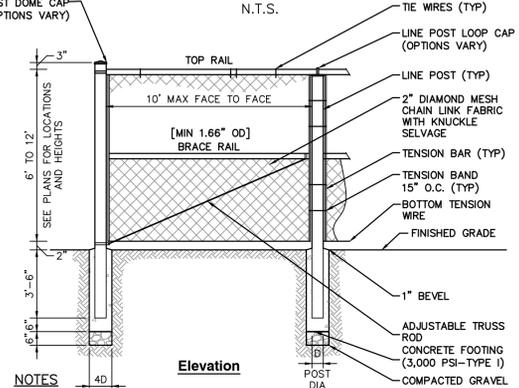
SHEET 11 OF 13



- NOTES:**
1. DETAIL DEPICTS GENERAL REQUIREMENTS FOR ROLLING GATE CONSTRUCTION ELEMENTS, AND SHALL BE CONSIDERED MINIMUM REQUIREMENTS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PREPARED BY AN EXPERIENCED FENCE MANUFACTURER FOR EACH ROLLING GATE FOR APPROVAL.
 2. FENCING AND GATES TO COMPLY WITH MASSDOT SPECIFICATIONS.
 3. CONTRACTOR TO COORDINATE GATE OPERATOR DRIVE RAIL WITH GATE OPERATOR DRIVE MANUFACTURER.
 4. CONTRACTOR SHALL COORDINATE ELECTRIC SERVICE REQUIREMENTS FOR GATE WITH MOTOR MANUFACTURER.

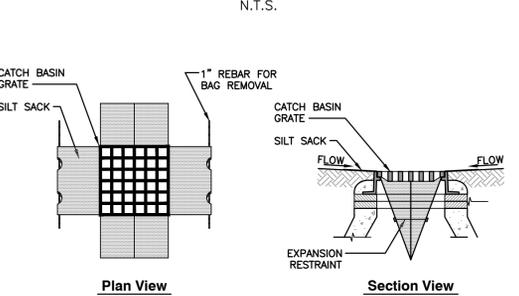
GATE	W
A	25'
B	30'
C	20'
D	20'
E	20'
F	20'
G	20'
H	20'

SLIDING FENCE GATE DETAIL



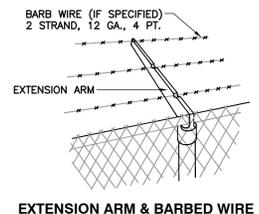
- NOTES:**
1. FENCE TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND THE CHAIN LINK FENCE MANUFACTURERS INSTITUTE PRODUCT MANUAL.
 2. POSTS SHALL MAINTAIN A MINIMUM DEPTH OF 3'-6" IN GROUND AND SHALL NOT BE RACKED TO ACCOMMODATE CHANGES IN GRADE.
 3. LINE OF FENCE, TOP AND BOTTOM, SHALL BE INSTALLED STRAIGHT AND TRUE. POSTS SHALL BE INSTALLED PARALLEL AND PLUMB. RAILS SHALL BE INSTALLED PARALLEL TO GROUND SURFACE AND EACH OTHER.

6'-12' CHAIN LINK FENCE

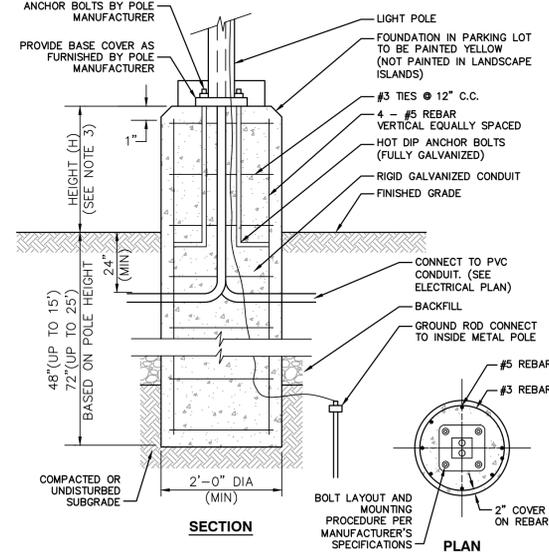


- CONSTRUCTION NOTES:**
1. INSTALL SILT SACKS IN ALL CATCH BASINS WHERE INDICATED ON THE SITE PLANS BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER THE BINDER COURSE IS PLACED AND EROSION CONTROL BARRIERS HAVE BEEN REMOVED.
 2. GRATE TO BE PLACED OVER SILT SACK.
 3. SILT SACKS SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS. CLEANING OR REPLACEMENT SHALL BE PERFORMED AS NEEDED. MAINTAIN SILT SACKS UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.

SILT SACK INLET PROTECTION

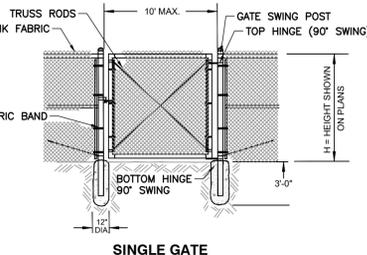


EXTENSION ARM & BARBED WIRE



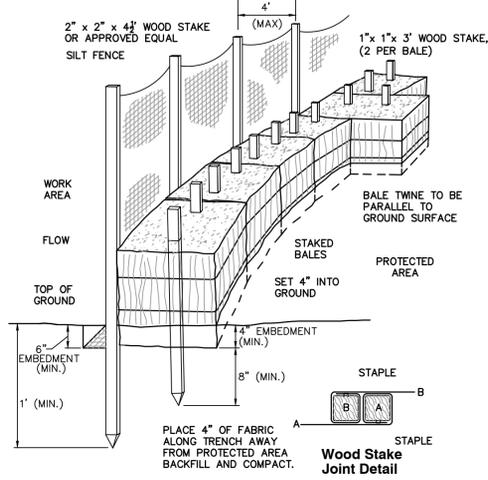
- CONSTRUCTION NOTES:**
1. LIGHT POLE FOUNDATION DESIGN IS SUBJECT TO CHANGE BASED ON FINAL POLE HEIGHT AND FIXTURE SELECTION AND GEOTECHNICAL SITE INVESTIGATIONS.
 2. LIGHT POLE FOUNDATION TO BE PRECAST CONCRETE, MINIMUM 4,000 PSI. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC.
 3. HEIGHT (H) OF FOUNDATION ABOVE FINISHED GRADE TO BE 6 INCHES IN LANDSCAPED AREAS, 30 INCHES IN VEHICULAR AREAS, AND FLUSH IN SIDEWALKS.

LIGHTPOLE FOUNDATION DETAIL



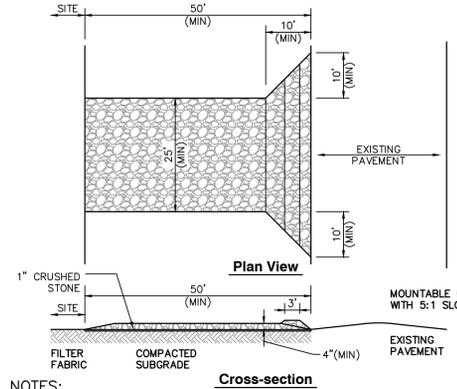
GATE SWING POST DIA.	GATE SIZE	PIPE DIA.
6" AND LESS	3" O.D.	- 5.79 LBS./FT.
6" - 10"	4" O.D.	- 9.10 LBS./FT.

CHAIN LINK GATES



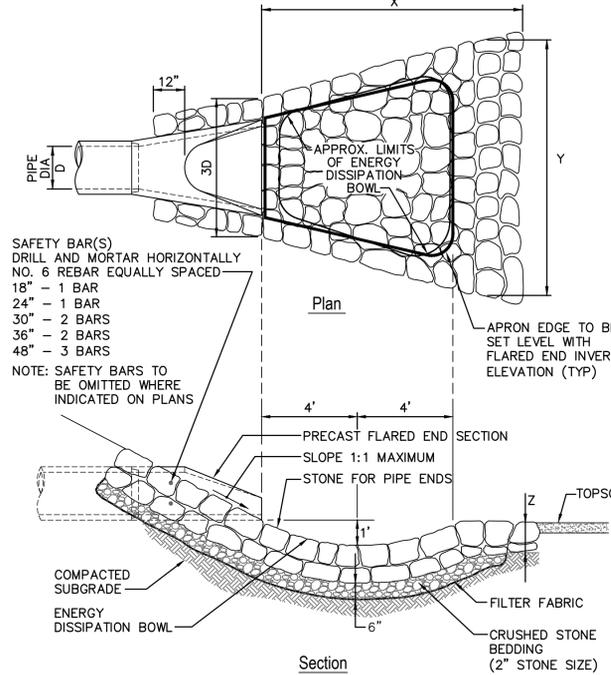
- CONSTRUCTION NOTES:**
1. PLACE ONE STRAW BALE PERPENDICULAR ALONG STRAW BALE BARRIER (100' O.C.)

SILT FENCE/STRAW BALE BARRIER



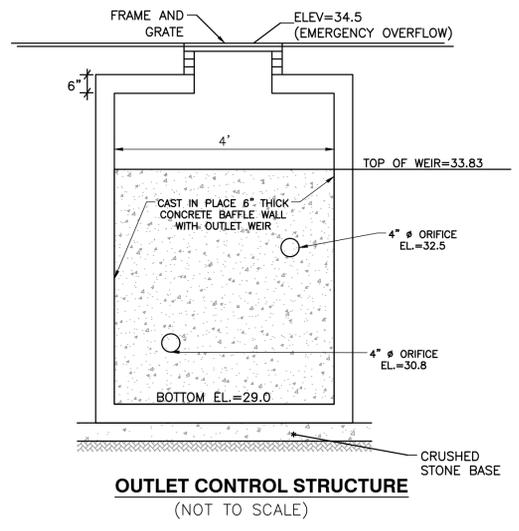
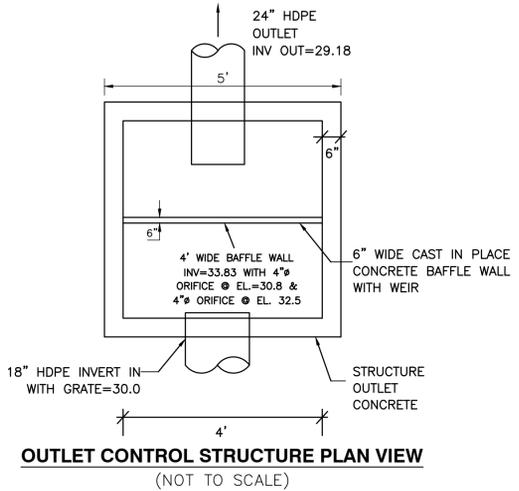
- NOTES:**
1. ENTRANCE WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
 3. STABILIZED CONSTRUCTION ENTRANCE SHALL BE REMOVED PRIOR TO FINAL FINISHED MATERIALS BEING INSTALLED.

STABILIZED CONSTRUCTION EXIT



- SAFETY BAR(S) DRILL AND MORTAR HORIZONTALLY**
- | | |
|-----|----------|
| 18" | - 1 BAR |
| 24" | - 1 BAR |
| 30" | - 2 BARS |
| 36" | - 2 BARS |
| 48" | - 3 BARS |
- NOTE: SAFETY BARS TO BE OMITTED WHERE INDICATED ON PLANS**

FLARED END SECTION



OUTLET CONTROL STRUCTURE

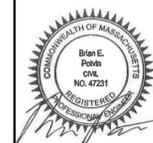
NO.	DATE	DESCRIPTION
1	3/8/2024	RESPONSE TO REVISION COMMENTS

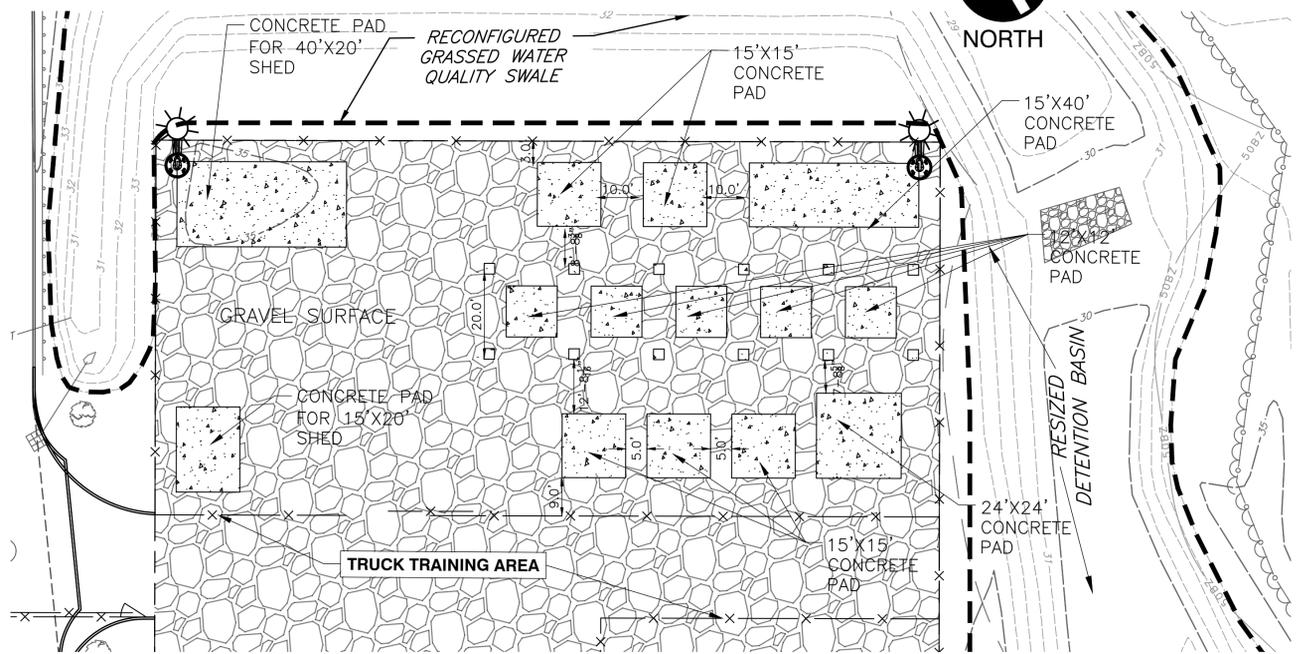
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 31 Bellows Road - Raynham, MA 02767
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EVERSOURCE ENERGY
 37 DOTY STREET
 WAREHAM, MASSACHUSETTS

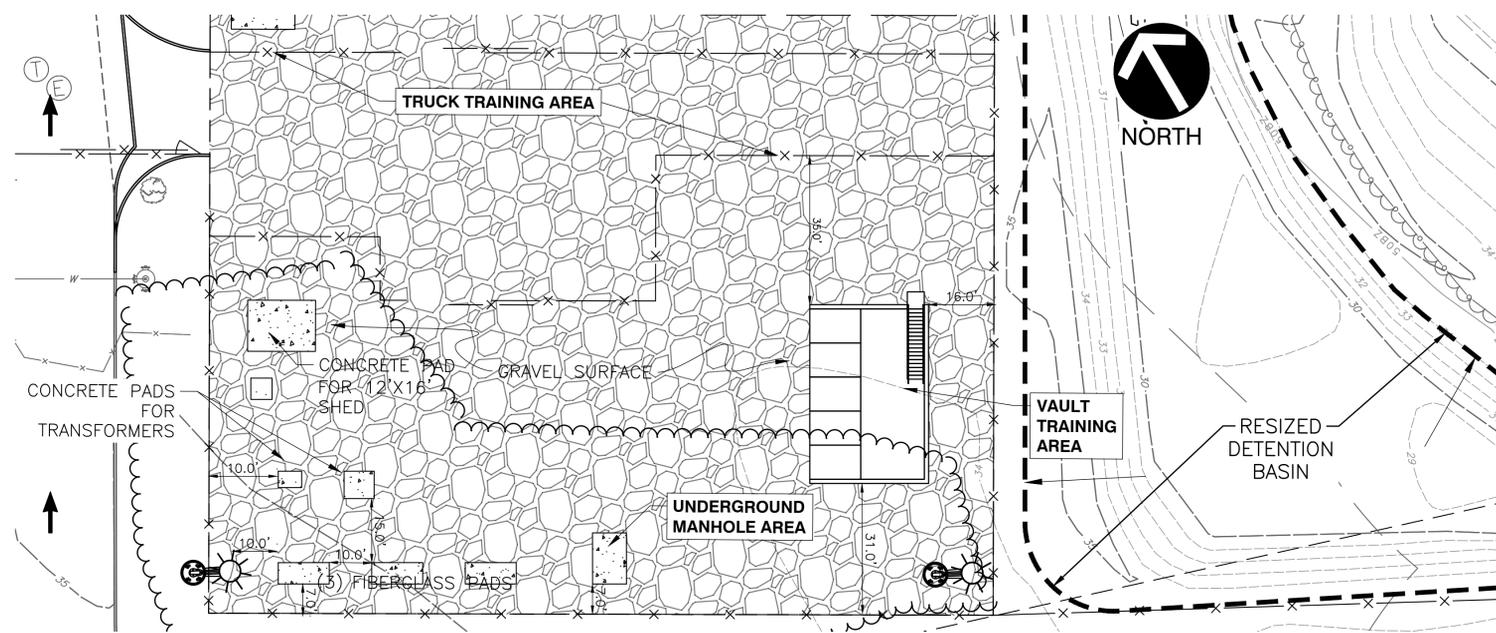
DETAIL SHEET 2

DATE:	OCTOBER 11, 2023	DRAWN BY:	KJ
DWG SCALE:	NOT TO SCALE	CHECKED BY:	CJV
PROJECT NO.:	323-322	APPROVED BY:	BEP

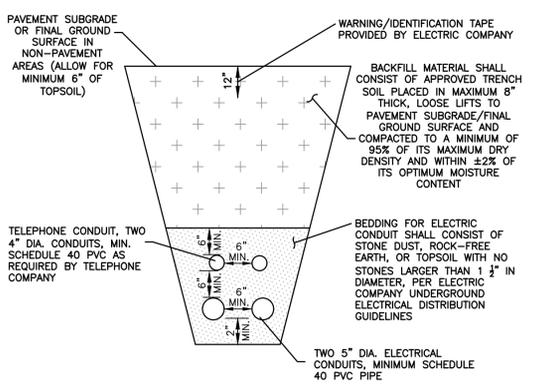
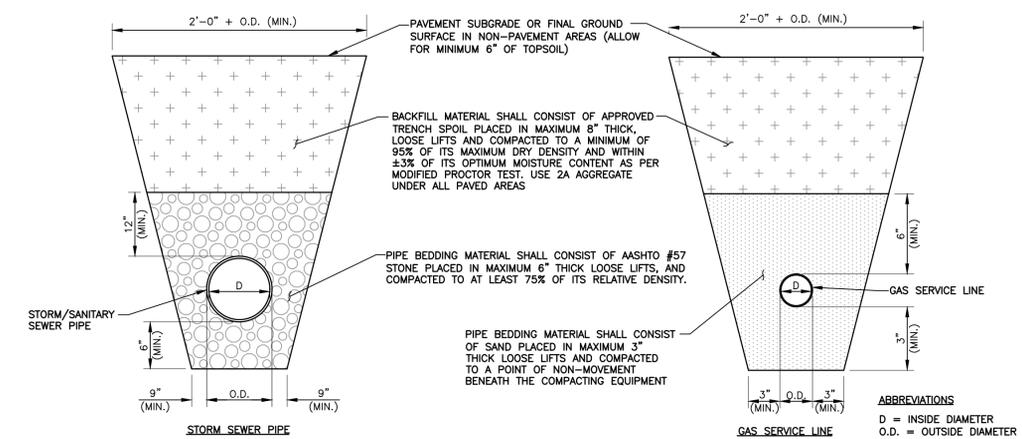




SUBSTATION TRAINING AREA DETAIL
SCALE: 1"=20'



UNDERGROUND TRAINING AREA DETAIL
SCALE: 1"=20'



COVER REQUIREMENTS

UTILITY	MINIMUM COVER REQUIRED *
STORM SEWER	2.0 FT.
SANITARY SEWER	4.0 FT.
WATERLINE	4.0 FT.
GAS LINE	2.0 FT.
TELEPHONE LINE	2.5 FT.
ELECTRIC LINE	3.75 FT.

* AS MEASURED FROM TOP OF PIPE TO FINAL GROUND SURFACE VEGETATED AREA

- CONSTRUCTION NOTES:**
- FINAL CONDUIT CONFIGURATION TO BE SPECIFIED BY THE TELEPHONE AND ELECTRIC COMPANY DESIGNS FOR SITE.
 - A 1" HIGH STRENGTH PULL ROPE SHALL BE INSTALLED FOR BOTH ELECTRIC AND TELEPHONE.
- ELECTRIC AND TELEPHONE LINES (TYP.)**

UTILITY TRENCH DETAILS
N.T.S.

- CONSTRUCTION NOTES:**
- ALL MATERIALS EXCAVATED FROM THE UTILITY TRENCH SHALL BE STOCKPILED A MINIMUM SUFFICIENT DISTANCE FROM ALL TRENCHES TO PREVENT SLIDES OR CAVE-INS.
 - ALL BACKFILL MATERIALS SHALL BE APPROVED BY THE GENERAL CONTRACTOR OR HIS REPRESENTATIVE BEFORE BEING PLACED.
 - THE AASHTO #57 STONE SHALL BE CRUSHED LIMESTONE THAT SATISFIES THE REQUIREMENTS OF PADOT PUBLICATION 408, SECTION 703.
 - THE MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT FOR THE BACKFILL MATERIALS SHALL BE DETERMINED BY ASTM D1557, AND THE RELATIVE DENSITY OF THE AASHTO #57 STONE SHALL BE DETERMINED BY ASTM D4253 AND ASTM D4254.
 - THE CONTRACTOR SHALL CONSTRUCT THE UTILITY TRENCHES AND PROVIDE ADEQUATE SHORING (WHERE NECESSARY) IN CONFORMANCE WITH THE LATEST REQUIREMENTS FOR CONSTRUCTION STANDARD FOR EXCAVATIONS (29 CFR PART 1926.650-.652 SUBPART P) PROMULGATED BY OSHA.
 - THE CONTRACTOR SHALL VERIFY THAT THE MINIMUM SPECIFIED PIPE COVER IS PROVIDED BETWEEN THE FINAL GROUND SURFACE AND TOP OF PIPE BEFORE LAYING PIPE. PROVIDE A MINIMUM OF 3 FT. OF COVER ABOVE ALL PIPES DURING CONSTRUCTION.
 - THE TELEPHONE AND ELECTRIC CONDUIT WILL NOT SHARE THE SAME UTILITY TRENCH WHERE THEY ARE SEPARATED AT THE MANHOLE/VAULT LOCATIONS.
 - INCREASE TRENCH WIDTH AS NECESSARY TO ALLOW FOR PROPER COMPACTION OF BEDDING/BACKFILL.
 - HDPE STORM SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.

REVISION RECORD

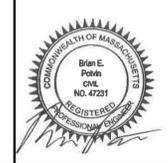
NO.	DATE	DESCRIPTION
1	10/11/2023	RESPONSE TO PER REVIEW COMMENTS

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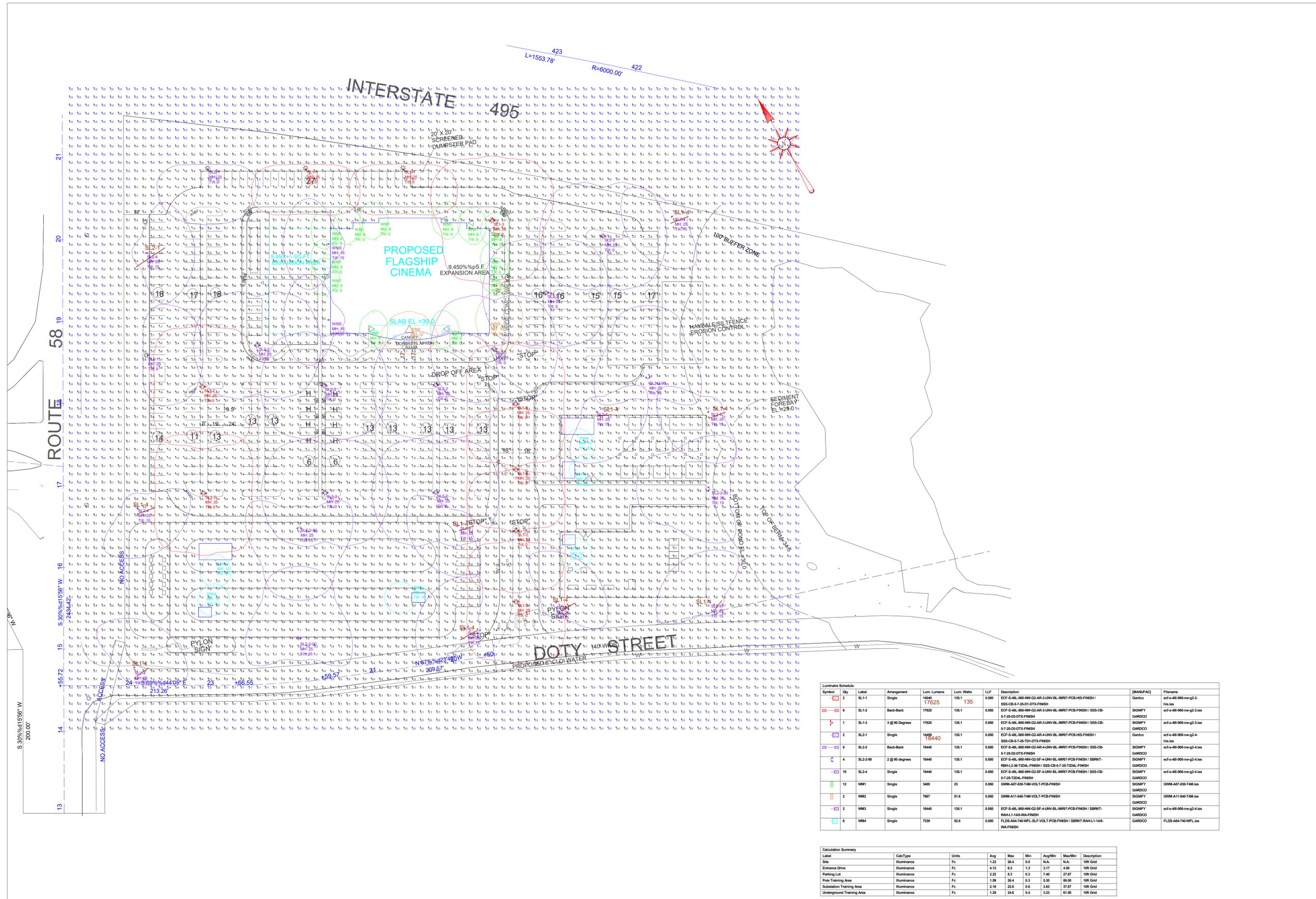
EVERSOURCE ENERGY
37 DOTY STREET
WAREHAM, MASSACHUSETTS

DETAIL SHEET 3

DATE: OCTOBER 11, 2023 | DRAWN BY: CJV
DWS SCALE: AS SHOWN | CHECKED BY: BEP
PROJECT NO: 323-322
APPROVED BY: DRAFT



A:\130-001\1302-322-322-002\DWG\0071\323322-001-C802.dwg(2802) 15:57:09 2024 - LP: 3/6/2024 4:38 PM



Scale: 1 inch= 50 Ft.

Symbol	Qty	Label	Arrangement	Lum. Lumens	Lum. Watts	LLF	Description	[MANUFAC]	Filename
□	2	SL1-1	Single	10400	135.1	0.850	ECF-S-48L-900-NM-G2-AR-3-UNV-BL-MR7-PCB-HIS-FINISH / SSS-CB-5-7-25-D1-DTX-FINISH	Garco	ecf-s-48-900-nm-g2-3-his.ies
□	6	SL1-2	Back-Back	17625	135.1	0.850	ECF-S-48L-900-NM-G2-AR-3-UNV-BL-MR7-PCB-FINISH / SSS-CB-5-7-25-D1-DTX-FINISH	SIGNIFY GARDCO	ecf-s-48-900-nm-g2-3-his.ies
+	1	SL1-3	3 @ 90 Degrees	17625	135.1	0.850	ECF-S-48L-900-NM-G2-AR-3-UNV-BL-MR7-PCB-FINISH / SSS-CB-5-7-25-D1-DTX-FINISH	GARDCO	ecf-s-48-900-nm-g2-3-his.ies
□	2	SL2-1	Single	14450	135.1	0.850	ECF-S-48L-900-NM-G2-AR-4-UNV-BL-MR7-PCB-HIS-FINISH / SSS-CB-5-7-25-TD1-DTX-FINISH	Garco	ecf-s-48-900-nm-g2-4-his.ies
□	8	SL2-2	Back-Back	18440	135.1	0.850	ECF-S-48L-900-NM-G2-AR-4-UNV-BL-MR7-PCB-FINISH / SSS-CB-5-7-25-TD1-DTX-FINISH	SIGNIFY GARDCO	ecf-s-48-900-nm-g2-4-his.ies
+	4	SL2-3-90	2 @ 90 degrees	18440	135.1	0.850	ECF-S-48L-900-NM-G2-SF-4-UNV-BL-MR7-PCB-FINISH / SBRKT-RBH-L2-36-T2DL-FINISH / SSS-CB-5-7-25-T2DL-FINISH	SIGNIFY GARDCO	ecf-s-48-900-nm-g2-4-his.ies
+	10	SL2-4	Single	18440	135.1	0.850	ECF-S-48L-900-NM-G2-SF-4-UNV-BL-MR7-PCB-FINISH / SSS-CB-5-7-25-T2DL-FINISH	SIGNIFY GARDCO	ecf-s-48-900-nm-g2-4-his.ies
□	12	WM1	Single	3485	23	0.850	GWM-A07-630-T4M-VOLT-PCB-FINISH	SIGNIFY GARDCO	GWM-A07-630-T4M.ies
□	2	WM2	Single	7667	51.6	0.850	GWM-A11-840-T4M-VOLT-PCB-FINISH	SIGNIFY GARDCO	GWM-A11-840-T4M.ies
□	2	WM3	Single	18440	135.1	0.850	ECF-S-48L-900-NM-G2-SF-4-UNV-BL-MR7-PCB-FINISH / SBRKT-RAH-L1-148-WFL-FINISH	SIGNIFY GARDCO	ecf-s-48-900-nm-g2-4-his.ies
□	6	WM4	Single	7339	52.6	0.850	FLDS-A04-740-WFL-VOLT-PCB-FINISH / SBRKT-RAH-L1-148-WA-FINISH	GARDCO	FLDS-A04-740-WFL.ies

Label	CalcType	Units	Avg	Max	Min	ArgMin	Max/Min	Description
Site	Illuminance	Fc	1.23	26.4	0.0	N/A	N/A	10R Grid
Entrance Drive	Illuminance	Fc	4.12	6.3	1.3	3.17	4.05	10R Grid
Parking Lot	Illuminance	Fc	2.22	6.3	0.3	7.40	27.67	10R Grid
Pole Training Area	Illuminance	Fc	1.89	26.4	0.3	5.30	88.00	10R Grid
Substation Training Area	Illuminance	Fc	2.18	22.6	0.6	3.63	37.67	10R Grid
Underground Training Area	Illuminance	Fc	1.29	24.6	0.4	3.23	61.90	10R Grid

Rev	Date	Comments
A	07/28/23	Initial Layout
B	08/16/23	Revised per markups

Revisions

Disclaimer
Lighting designs by Dugan (LDD) assumes no responsibility for any errors in the IES files, background images, or other information provided to LDD to be used in these calculations. Actual or measured results may vary due to manufacturer tolerances, and field conditions. The owner assumes all responsibility for compliance with federal, state and/or local codes and regulations.

Project Name: Eversource Warehouse, MA
Drawn by: PMD
Date: 8/16/2023
Project ID#: APX-11231
Rev: B



Prepared by
LID
 LIGHTING DESIGNS BY DUGAN

C803