

GENERAL NOTES

- 1. ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE TOWN OF GROTON, AND SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS AND
- 2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH THE SITE AND ALL EXISTING CONDITIONS SURROUNDING IT AND THEREON. THE CONTRACTOR SHALL ADVISE THE APPROPRIATE AUTHORITY OF HIS INTENTION AT LEAST 48 HOURS IN ADVANCE.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THESE PLANS, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION BE AGREED TO BY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT "DIGSAFE" (800-344-7233) AT LEAST 72 HOURS BEFORE DIGGING.
- 4. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES OWNING UTILITIES, EITHER OVERHEAD OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA AND SHALL COORDINATE AS NECESSARY WITH THE UTILITY COMPANIES OF SAID UTILITIES. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR.
- 5. THE CONTRACTOR SHALL COORDINATE MATERIALS AND INSTALLATION SPECIFICATIONS WITH THE INDIVIDUAL UTILITY AGENCIES/COMPANIES, AND ARRANGE FOR ALL INSPECTIONS.
- 6. ROAD AND DRAINAGE CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS, AND SHALL MEET LOCAL STANDARDS AND THE REQUIREMENTS OF THE LATEST MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGE CONSTRUCTION AND THE MHD STANDARD STRUCTURE DRAWINGS UNLESS OTHERWISE NOTED.
- 7. STORM DRAINAGE SYSTEM SHALL BE CONSTRUCTED TO LINE AND GRADE AS SHOWN ON THE PLANS. ALL PIPE MATERIAL SHALL BE REINFORCED CONCRETE AND CONFORM TO AASHTO M170 CLASS IV REINFORCED CONCRETE PIPE. CONSTRUCTION METHODS SHALL CONFORM TO THE LATEST EDITION OF THE MHD STANDARD SPECIFICATIONS. ALL CATCH BASIN GRATES SHALL BE LEBARON LF248-2 AND CONFORM TO THE LATEST EDITION OF THE MHD STANDARD SPECIFICATIONS UNLESS OTHERWISE
- 8. AASHTO M170 CLASS IV RCP SHALL BE USED UNDER ANY PAVED AREAS. WHERE DEPTH OF COVER IS LESS THAN 3 FEET, CLASS V REINFORCED CONCRETE PIPE SHALL BE USED.
- 9. ALL MANHOLES IN PAVEMENT SHALL HAVE RIMS SET TO FINISH GRADE REGARDLESS OF ANY ELEVATIONS OTHERWISE SHOWN.
- 10. ALL ELEVATIONS SHOWN AT CURB ARE TO THE BOTTOM OF CURB UNLESS OTHERWISE NOTED.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN IN THE PLANS THROUGHOUT THE DURATION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE MADEP STANDARDS. THE DETAILS PROVIDED SERVE AS A GUIDE ONLY.
- 12. ALL EXCAVATIONS SHALL BE THOROUGHLY SECURED ON A DAILY BASIS BY THE CONTRACTOR AT THE
- 13. THE CONTRACTOR SHALL STABILIZE ALL DITCHES, DRAINAGE CHANNELS AND PONDS PRIOR TO
- DIRECTING STORM WATER RUN-OFF TO THEM. 14. REFER TO ARCHITECTURAL PLANS FOR DETAILED GRADING AT BUILDING AND LOCATION OF ALL
- 15. REFER TO GEOTECHNICAL/STRUCTURAL PLANS FOR SITE PREPARATION AND OTHER BUILDING
- INFORMATION (NOW IN DESIGN PROCESS). 16. REFER TO MECHANICAL AND PLUMBING PLANS FOR ROOF DRAIN INFORMATION. THE WATER SERVICE
- 17. LIMITS OF WORK ARE SHOWN AS APPROXIMATE. THE CONTRACTOR SHALL COORDINATE ALL WORK TO PROVIDE SMOOTH TRANSITIONS. THIS INCLUDES GRADING, PAVEMENT,
- 18. THE ENGINEER SHALL BE CONTACTED FOR CLARIFICATION OF SITE WORK AND/OR GRADING, IF NECESSARY.
- 19. THE OWNER IS RESPONSIBLE FOR CONTACTING A GEOTECHNICAL ENGINEER TO EVALUATE ANY GROUNDWATER ISSUES ON A SITE. THE GEOTECHNICAL ENGINEER IS RESPONSIBLE FOR DETERMINING THE METHODS IN WHICH TO ADDRESS ANY GROUNDWATER ISSUES THAT ARE FOUND ON SITE.
- 20. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR THE CONDITIONS AT THE SITE. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT DISCREPANCIES TO THE ENGINEER.
- 21. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK THE ACCURACY OF THE TOPOGRAPHY AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO ANY EARTHWORK BEING PERFORMED ON THE SITE. NO CLAIM FOR EXTRA WORK WILL BE CONSIDERED FOR PAYMENT AFTER EARTHWORK HAS COMMENCED.
- 22. VERIFY TBM ELEVATIONS PRIOR TO CONSTRUCTION.
- 23. SEE NOTES ON OTHER SHEETS WITHIN THIS PLAN SET AS THEY MAY APPLY TO THIS SHEET.

SCHEDULE OF DRAINAGE STRUCTURES

	I FROM I						1 10	
STATION	STRUCTURE	RIM	INV. OUT	LENGTH	PIPE	SLOPE	STRUCTURE	HVV. IN
106+00 11 RI	CB 17	265.16	261.16	21'	12" RCP	0.0124	DMH 133	265.90
106+00 11' LT	CB 18	265.16	261.16	17'	12" RCP	0.0153	DMH 133	265.90
105+80 5' LT	DMH 133	265.14	260.80	93'	12" RCP	0.0105	DMH 132	259.82
104+85 6' LT	DMH 132	263.82	259.72	74'	12" RCP	0.0147	DMH 131	258.63
104+10 5' LT	DMH 131	262.63	258.53	38'	12" RCP	0.0139	DMH 130	258.00
103+65 11' RT	CB 15	262.17	258.17	11'	12" RCP	0.0155	DMH 130	258.00
103+65 11' LT	CB 16	262.17	258.17	3'	12" RCP	0.0567	DMH 130	258.00
103+70 5' LT	DMH 130	262.35	257.90	79'	15" RCP	0.0063	FES 20	257.40
103+71 30' LT	FES 18	_	258.00	10'	18" RCP	0.0055	FES 19	257.40
106+24 34' LT	FES 21	_	260.00	123	18" RCP	0.0163	FES 22	258.00
108+50 13' RT	CB 19	266.32	262.32	40'	12" RCP	0.0087	DMH 141	261.97
111+50 13' RT	CB 22	266.00	262.00	14'	12" RCP	0.0114	DMH 141	261.84
110+10 13' RT	CB 20	263.86	259.86	18'	12" RCP	0.0061	DMH 140	259.75
110+10 13' LT	CB 21	263.86	259.86	11'	12" RCP	0:61	DMH 140	259.75
110+25 5' LT	DMH 140	264.15	259.65	26'	12" RCP	0.0058	DMH 142	259.50
111+60 18' LT	DMH 142	264.08	259.40	54'	12" RCP	0.0056	DMH 141	259.10
110+59 34'LT	FES 25	-	260.27	18'	12" RCP	0.0106	DMH 142	260.08
110+40 5' LT	DMH 141	266.04	259.00	49'	12" RCP	0.0061	FES 26	258.70
109+64 34' RT	FES 23	_	261.50	43'	12" RCP	0.0116	FES 24	261.00

DEFINITIVE PLAN

TAX MAP 253 LOT 2 & MAP 135 LOT 38

GRADING AND DRAINAGE PLAN (SHEET 3 OF 3)

MONARCH PATH GROTON, MASSACHUSETTS

OWNED BY

EBRAHIM MASALEHDAN PREPARED FOR

EBRAHIM MASALEHDAN

JULY 2, 2024



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