





1. THE PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND IS WITHIN THE NPDES CONSTRUCTION GENERAL PERMIT (CGP) AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) JURISDICTION. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO SUBMIT A NOTICE OF INTENT WITH THE EPA AND SECURE AND COMPLY WITH THE CGO IN ACCORDANCE WITH THE NPDES REGULATIONS.
2. A MINIMUM OF SEVENTY-TWO (72) HOURS BEFORE COMMENCING SITE WORK, CONTRACTOR SHALL CALL "A DUG SAFE" AT 1-888-344-7273 (PER 220 CMR 99), MUNICIPAL, UTILITY DEPARTMENTS, AND UTILITY DISTRICTS TO ACCURATELY LOCATE UNDERGROUND UTILITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION NOTIFICATION AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS. THE CONTRACTOR SHALL PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE WORK AND COORDINATE WITH THE PROJECT ARCHITECT AND ENGINEER AS NECESSARY.
4. THE CONTRACTOR SHALL OBTAIN PERMIT(S) FOR TRENCH/ EXCAVATION (PER 520 CMR 14).
5. ALL ITEMS NOTED FOR REMOVAL AND DISPOSAL, AS WELL AS THOSE ITEMS DISCOVERED DURING EXCAVATION THAT REQUIRE REMOVAL AND REPLACEMENT, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND MUST EITHER BE RECYCLED OR DISPOSED OF OFF-SITE ACCORDING TO APPLICABLE REGULATION 310 CMR 7.18 & 19 AND 453 CMR 6. CONTRACTOR IS RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FOR DEMOLITION, HAULING AND DISPOSING OF SAIL MATERIALS.
6. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY, JOE SAFETY AND CONSTRUCTION MEANS AND METHODS. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND STATE AND LOCAL REGULATIONS.
8. REFUELING OF CONSTRUCTION VEHICLES AND EQUIPMENT SHALL NOT BE CONDUCTED IN PROXIMITY TO CATCH BASINS, STORMWATER BASINS OR WETLAND RESOURCES.
9. ANY ALTERATIONS MADE IN THE FIELD TO THE WORK SHOWN ON THESE DRAWINGS SHALL BE RECORDED BY THE CONTRACTOR ON RECORD DOCUMENTS.
10. THE CONTRACTOR SHALL NOTIFY APPROPRIATE UTILITY COMPANIES OF ANY UTILITIES DAMAGED DURING CONSTRUCTION. ANY COSTS RELATED TO THE REPAIR OF UTILITIES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
11. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND MAINTAINING RECORD AS-BUILT DRAWINGS OF ALL SUBSURFACE UTILITIES.
12. ANY AREA DISTURBED BY THE CONTRACTOR OUTSIDE THE LIMIT OF WORK SHALL BE RESTORED TO ITS ORIGINAL CONDITIONS AT NO COST TO THE OWNER.

4. PRIOR TO CONSTRUCTION A FENCE SHALL BE PLACED AROUND ALL TREES THAT ARE TO BE MAINTAINED AND PROTECTED. NO CONSTRUCTION ACTIVITY OR STOCKPILING OF MATERIAL SHALL BE ALLOWED WITHIN THE DRUMLINE OF THE EXISTING TREES THAT ARE TO REMAIN.
5. SITE ELEMENTS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION.
6. PRIOR TO CONSTRUCTION AN EROSION CONTROL BARRIER (ECB) SHALL BE PROVIDED AT THE EDGE OF THE DEVELOPMENT AREA AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE ECB THROUGHOUT THE CONSTRUCTION PERIOD AS WELL AS COMPLYING WITH ANY OTHER CONDITIONS ESTABLISHED IN THE STORMWATER MANAGEMENT PERMIT ISSUED BY THE MILBURY PLANNING BOARD AND ANY OTHER PERMITS FOR USE FOR THE SITE.
7. THE CONTRACTOR SHALL TAKE SUFFICIENT PRECAUTIONS DURING CONSTRUCTION TO MINIMIZE THE RUNOFF OF POLLUTING SUBSTANCES SUCH AS SILT, CLAY, FUELS, OILS, BITUMENS, CALCIUM CHLORIDE OR OTHER POLLUTING MATERIALS HARMFUL TO HUMANS, FISH, OR OTHER LIFE. INTO WATER SUPPLIES AND SURFACE WATERS. SPECIAL PRECAUTIONS SHALL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT OPERATIONS WHICH PROMOTE EROSION.
8. AS CONSTRUCTION PROGRESSES AND SEASONAL CONDITIONS DICTATE, MORE SITUATION CONTROL FACILITIES MAY BE REQUIRED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS NEW CONDITIONS THAT MAY BE CREATED AND TO PROVIDE ADDITIONAL FACILITIES OVER THE ABOVE MINIMUM REQUIREMENTS AS MAY BE REQUIRED.
9. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS DURING THE DURATION OF CONSTRUCTION TO INSURE THAT CHANNELS, DITCHES ANY PIPES OR DRAINAGE OF DEBRIS AND THAT EROSION CONTROL BARRIERS ARE INTACT. EROSION CONTROL BARRIERS SHALL BE CLEANED AND MAINTAINED AS REQUIRED TO ENSURE FUNCTIONALITY.
10. AN ANTI TRACKING CONSTRUCTION ENTRANCE SHALL BE MAINTAINED AT ALL POINTS OF CONSTRUCTION ACCESS AND EGRESS TO PUBLIC RIGHTS-OF-WAY FOR THE DURATION OF CONSTRUCTION.
11. ANY SEDIMENT TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE SWEEPED AND CLEANED AT THE END OF EACH WORK DAY.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL, WHICH INCLUDES STREET SWEEPINGS OF ALL PAVED SURFACES WITHIN THE SITE AND OFF-SITE AREAS THAT ARE IMPACTED BY SITE CONSTRUCTION.
13. ALL TOPSOIL WITHIN THE LIMITS OF THE EXCAVATED AREAS SHALL BE STRIPED TO ITS FULL DEPTH AND STOCKPILED FOR REUSE AND SEGREGATED FROM SUBSURFACE SOIL MATERIAL. EXCESS TOPSOIL SHALL BE DISPOSED OF ON-SITE AS DIRECTED BY THE PROJECT ENGINEER.
14. WITHIN THE LIMIT OF TREE TREES THAT ARE TO BE REMOVED MAY BE CUT BUT BRUSH AND STUMPS SHALL NOT BE REMOVED UNTIL ONE WEEK PRIOR THE START OF CONSTRUCTION. DISTURBANCE OF THE EXISTING GROUND SURFACE SHALL BE MINIMIZED PRIOR TO THE START OF CONSTRUCTION.
15. EROSION CONTROL BARRIERS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS FOR AREAS REQUIRING SLOPE STABILIZATION AND SHALL BE LOADED, SEEDED AND FERTILIZED PRIOR TO THE PLACEMENT OF THE BARRIERS.
16. ALL DISTURBED AREAS SHALL BE LOADED AND SEEDED OR MULCHED AS SOON AS PRACTICABLE.

1. THE CONTRACTOR SHALL CONFIRM THE SIZE AND DISPOSITION OF ALL UTILITIES TO SITE AND COORDINATE WITH RESPECTIVE UTILITY COMPANIES REGARDING ANY UTILITIES THAT REQUIRE REMOVAL OR RELOCATION. NO EXCAVATION SHALL BE PERFORMED UNTIL ALL UTILITY COMPANIES HAVE BEEN NOTIFIED.
2. LOCATIONS OF UNDERGROUND UTILITIES SHOWN HEREON WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND ARE APPROXIMATE AND ASSUMED. THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES THAT ARE NOT DEPICTED HEREON. NO WARRANTY IS EXPRESSED OR IMPLIED AS TO THE ACCURACY OF SURFACE UTILITY LOCATIONS OR DISPOSITION, UNLESS OTHERWISE NOTED ON THE PLAN.
3. CONTRACTOR SHALL CONFIRM DEPTHS OF PERTINENT UTILITIES BY TEST PIT AND NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE PROJECT SUPERVISOR AND ENGINEER.
5. PROVIDE CURBING TO PROTECT UTILITY LINES DURING CONSTRUCTION AS NECESSARY.
6. WATER SERVICES WILL BE PRESSURE RATED PE OR COPPER AS REQUIRED AND APPROVED BY DFW. PROVIDE FIVE (5) FEET MINIMUM COVER ON ALL WATER SERVICES.
7. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF GAS, ELECTRIC, TELECOMMUNICATIONS AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES AS REQUIRED. WHEN A EXISTING UTILITY IS IN CONFLICT WITH THE PROPOSED WORK THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE OWNER AND PROJECT ENGINEER FOR RESOLUTION.
8. PROPOSED GAS, ELECTRIC, TELECOMMUNICATIONS AND CABLE TV DEPICTED IS SCHEMATIC ONLY. CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANY FOR FINAL PLANS AND SPECIFICATIONS.
9. ALL UTILITY COVERS, GRATES, HATCHES, ETC., SHALL BE FLUSH WITH THE PAVEMENT FINISHED GRADE.
10. FINAL GRADES SHALL BE PITCHED EVENLY BETWEEN SPOT ELEVATIONS AND ALL AREAS SHALL BE GRADED TO DRAIN WITH NO PUDDING OR PONDS.
11. THE CONTRACTOR SHALL SCHEDULE THE WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PUDDING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURBING MAY RETAIN RUNOFF PRIOR TO APPLICATION OF THE FINISH SUBGRADE AND/OR SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE AS REQUIRED.
12. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS AND STRUCTURES.
13. ALL DISTURBED AREAS SHALL BE LOADED TO A SIX (6) INCH DEPTH AND SEEDED WITH SUITABLE GRASS SEED MIX UNLESS OTHERWISE SPECIFIED ON THE PLANS.

Diagram illustrating the installation of Turf Reinforcement Mat (T.R.M.) for erosion control. The diagram shows a cross-section of the mat being rolled out, with a 5' MIN. OVERLAP AT ROLL START/END. The mat is secured by horizontal pins (2' ON CENTER) and vertical pins (2.5' ON CENTER). The mat is shown covering a sloped area, with a 3" MIN. OVERLAP WITH ADJACENT ROLL indicated. The diagram also shows the flow of water over the mat.

SHALL BE IN ACCORDANCE WITH THE COMMONWEALTH OF MASSACHUSETTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST EDITION:

SURFACE	DEPTH		PLAN
	A	B	C
BIT. CONCRETE DRIVEWAY	8"	1'-1 7/8"	1'-1 7/8"

The diagram illustrates the vertical build-up of a driveway surface. From top to bottom, the layers are:

- HMA SURFACE COURSE (MASSDOT M3.11.0)
- HMA BINDER COURSE (MASSDOT M3.11.0)
- GRAVEL BASE, INSTALLED AND COMPACTED IN FOUR (4) INCH LIFTS (MASSDOT M1.03.C TYPE B)
- COMPACTED SUITABLE SUBGRADE

On the left side, dimension lines indicate the thicknesses: 'A' for the total depth of the HMA courses, 'B' for the gravel base, and 'C' for the subgrade.

SECTION

**BITUMINOUS CONCRETE PAVEMENT**

S2 10 00 N.T.S.

Diagram illustrating Slope Terracing. A bulldozer is shown working on a slope, creating terraced steps. Labels indicate the 'TOP OF SLOPE' and 'BOTTOM OF SLOPE'. Text instructions state: 'RUN MACHINE WITH GROUNDERS PERPENDICULAR TO SLOPE TO CREATE TERRACED EFFECT' and 'AFTER TERRACING OF SLOPE: HYDROSEED SLOPE (USE TRACKFILLER) OR INSTALL SLOPE STABILIZATION (SEE PLAN FOR FINAL SURFACE TREATMENT)'.

Technical drawings of 8 inch dome grates and drain basins. The drawings include:

- A side elevation of an 8" dome grate showing a height dimension of 4 1/2".
- A top-down view of an 8" dome grate.
- A side elevation of an 8" drain or 8" drain basin eddy top.
- A top-down view of an 8" drain or 8" drain basin eddy top.

Labels:

- 8" DOME GRATE
- 8" DRAIN OR 8" DRAIN BASIN EDDY TOP

03 42 41

N.T.S.

[illegible]

TEE AND FIRST 2 FEET ON EACH SIDE SHALL BE SOLID CPE (TYPE C). REMAINDER OF PIPE SHALL BE PERFORATED CPE (TYPE CP). SOLID CAPS SHALL BE USED ON EACH END.

BOARDS SHALL BE PRESSURE TREATED FOR SP/BE WEATHER AND GROUND CONTACT.

ANCHOR WITH FOUR FOOT LONG #5 REBAR ON DOWN HILL SIDE. REBAR SHALL BE DRIVEN AT 4 FOOT SPACING STARTING AT ONE END.

GRADE ABOVE

24" ±

2 X 10 BOARD(S) SET LEVEL (SEE PLAN FOR ELEVATION). MULTIPLE BOARDS SHALL BE CONNECTED WITH 16 GAUGE GALVANIZED MENDING PLATES, 4 PER JOINT (2 PER SIDE).

GRADE BELOW

10"

6" ±

ANCHOR WITH #5 REBAR ON DOWNHILL SIDE.

2 X 10 BOARD(S) SET LEVEL (SEE PLAN FOR ELEVATION)

WELL CONSOLIDATED 2" - 4" TRAP ROCK

4" CPE (TYPE CP)

PERFORATIONS DOWN WITH SOLID END CAPS AT EACH END

COMPACTED SUITABLE SUBGRADE

LEVEL SPREADER TRENCH

3 40 00

15.0" MIN

34.0" MIN

6" MIN

34.0" MIN

12" MIN

34" MIN

6" MIN

PAVEMENT

GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, MEETING MASSDOT M2.03.2 TYPE B OR C, COMPACT IN 4" - 6" LIFTS TO 95% STANDARD PROCTOR DENSITY.

CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F 2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS"

NOMINAL 3/4" CLEAN, CRUSHED, ANGULAR STONE MEETING MASSDOT M2.03.4

SC-310 CHAMBER

SC-310 END CAP

AUS 601 NON-WOVEN GEOTEXTILE (OR EQUAL)

SUITABLE COMPACT SUBGRADE OR COMPACTED FILL. COMPACTED FILL SHALL BE MASSDOT M1.03.0 TYPE B OR C.

\* TO BASE OF FLEXIBLE PAVEMENT. FOR UNPAVED INSTALLATION WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 24" MIN.

**STORMTECH SC-310 CHAMBER**

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