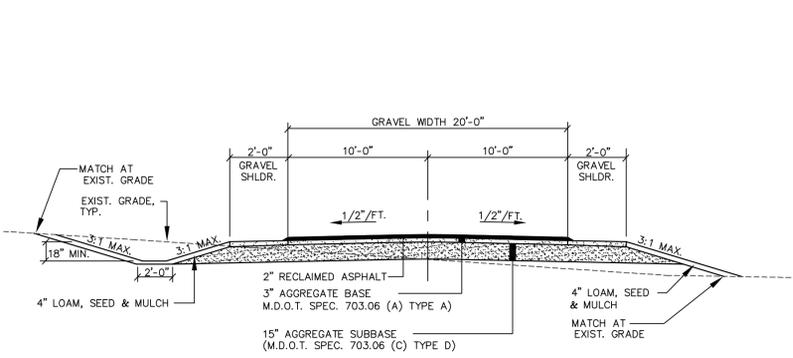
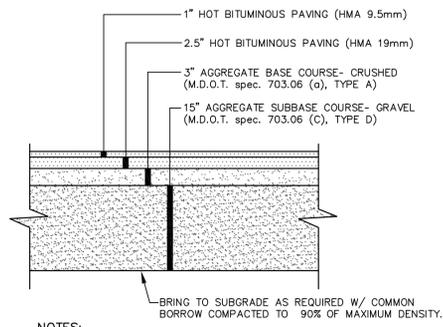


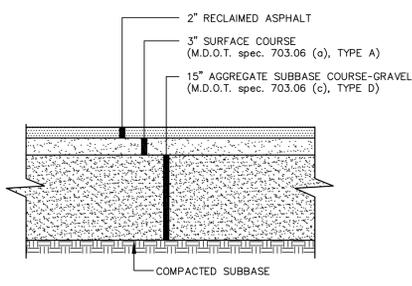
LOAM AND SEED
NOT TO SCALE



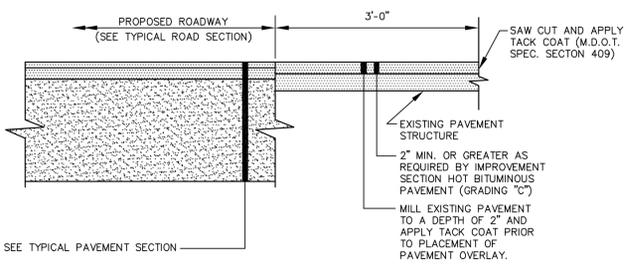
GRAVEL ROAD SECTION
NOT TO SCALE



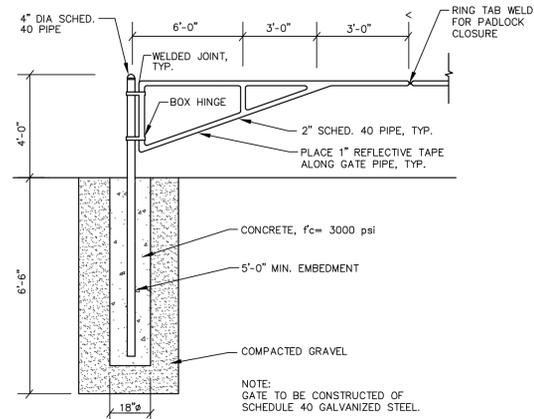
TYP. PAVED ENTRANCE APRON
NOT TO SCALE



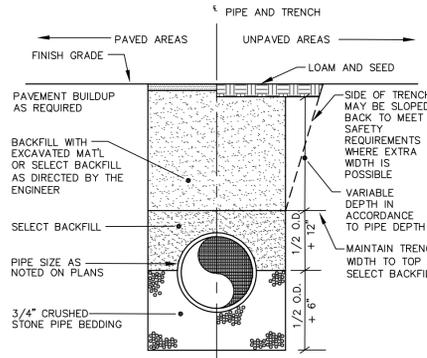
TYP. GRAVEL PARKING AREA
NOT TO SCALE



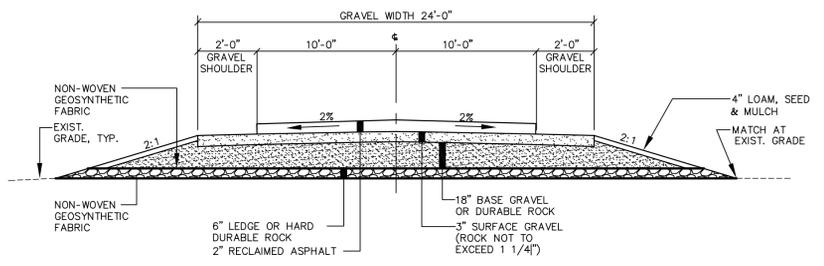
TYPICAL PAVEMENT JOINT
NOT TO SCALE



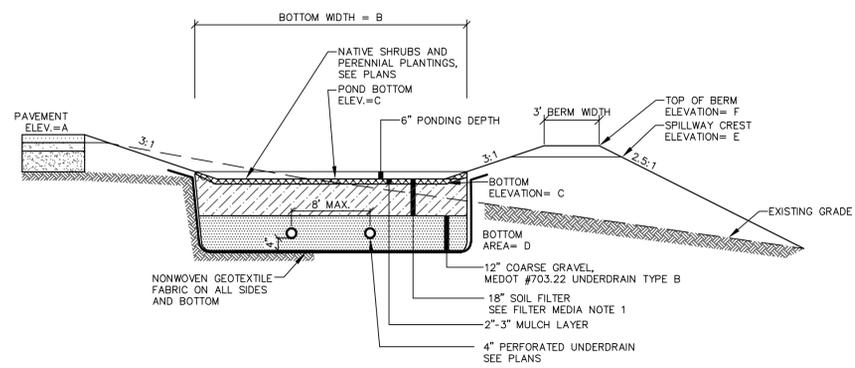
TYPICAL GATE DETAIL
NOT TO SCALE



TYPICAL TRENCH SECTION
NOT TO SCALE



GRAVEL ACCESS ROAD WITH ROCK LAYERED SECTION
NOT TO SCALE



TYPICAL SECTION
NOT TO SCALE

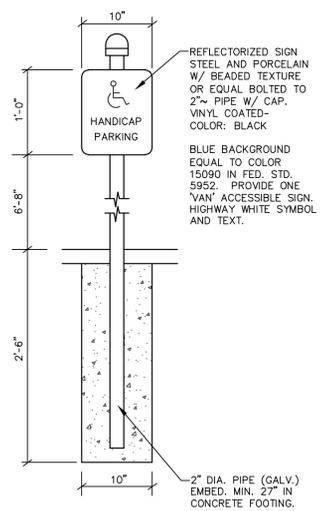
AREA ID	MIN. PAVEMENT GRADE	BOTTOM WIDTH	BOTTOM ELEVATION	BOTTOM AREA	SPILLWAY ELEVATION	TOP OF BERM ELEVATION
BR-1	206.00	VARIABLE, SEE PLAN	203.50	1717	204.00	204.5
BR-2	226.00	VARIABLE, SEE PLAN	224.50	1335	225.00	225.5

FILTER MEDIA NOTES:

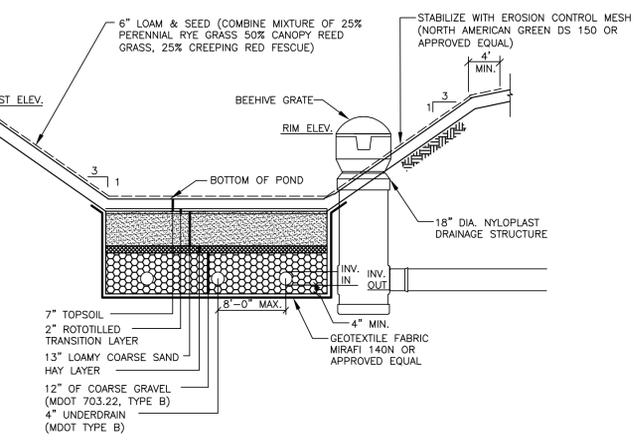
- SOIL FILTER MEDIA SHALL BE A SILTY SAND SOIL OR SOIL MIXTURE COMBINED WITH 20-25% BY VOLUME OF A MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH. THE RESULTING MIXTURE MUST HAVE NO LESS THAN 8% PASSING THE #200 SIEVE AND SHALL HAVE A CLAY CONTENT OF LESS THAN 2%. THE SAND USED IN THE MIXTURE SHALL MEET THE SPECIFICATIONS OF MDOT #703.01.
- SOIL FILTER MEDIA AND UNDERDRAIN BEDDING MATERIAL MUST BE COMPACTED TO BETWEEN 90% AND 92% STANDARD PROCTOR. THE BED SHOULD BE INSTALLED WITH NO MORE THAN 9 INCH LIFTS TO PREVENT POCKETS OF LOOSE MEDIA.

CONSTRUCTION NOTES FOR BIORETENTION CELL INSTALLATION:

- THE AREA OF THE BASIN MAY BE EXCAVATED IN PREPARATION OF THE INSTALLATION OF THE UNDERDRAIN AND CAN BE USED FOR A SEDIMENT TRAP FROM THE SITE DURING CONSTRUCTION, AS LONG AS THE BASIN IS MULCHED AND STABILIZED TO PREVENT EROSION.
- THE SOIL FILTER MEDIA AND VEGETATION MUST NOT BE INSTALLED UNTIL THE AREA THAT DRAINS TO THE FILTER HAS BEEN PERMANENTLY STABILIZED WITH PAVEMENT OR OTHER STRUCTURE, 90% VEGETATION COVER, OR OTHER PERMANENT STABILIZATION. OTHERWISE, THE RUNOFF FROM THE CONTRIBUTING AREA MUST BE DIVERTED AROUND THE FILTER UNTIL STABILIZATION IS COMPLETED.



HANDICAP SIGNS
NOT TO SCALE



ELEVATION	
CREST ELEVATION	216.75 195.25
TOP OF BERM ELEVATION	217.00 195.50
RIM ELEVATION	216.25 194.25
BOTTOM OF POND	215.00 193.50
INVERT IN	212.50 191.00
INVERT OUT	212.50 191.00

LOAMY COARSE SAND	
SIEVE #	% PASSING BY WEIGHT
10	85-100
20	70-100
60	15-40
200	8-15
200 CLAY SIZE	<2.0

DETENTION BASIN WITH UNDERDRAINED GRASS FILTER
NOT TO SCALE

CONSTRUCTION NOTES FOR UNDERDRAINED SOIL FILTER:

- THE AREA OF THE BASIN MAY BE EXCAVATED IN PREPARATION OF THE INSTALLATION OF THE UNDERDRAIN AND CAN BE USED FOR A SEDIMENT TRAP FROM THE SITE DURING CONSTRUCTION, AS LONG AS THE BASIN IS MULCHED AND STABILIZED TO PREVENT EROSION.
- THE SOIL FILTER MEDIA AND VEGETATION MUST NOT BE INSTALLED UNTIL THE AREA THAT DRAINS TO THE FILTER HAS BEEN PERMANENTLY STABILIZED WITH PAVEMENT OR OTHER STRUCTURE, 90% VEGETATION COVER, OR OTHER PERMANENT STABILIZATION. OTHERWISE, THE RUNOFF FROM THE CONTRIBUTING AREA MUST BE DIVERTED AROUND THE FILTER UNTIL STABILIZATION IS COMPLETED.
- TOPSOIL FOR THE POND BOTTOM SHALL BE USDA LOAMY SAND TOPSOIL WITH 5-8% HUMIFIED ORGANIC CONTENT MEETING THE SPECIFICATIONS SHOWN IN THE DETAIL. LOOSELY INSTALLED.
- INSPECTION OF THE FILTER BASIN SHALL BE PROVIDED FOR EACH PHASE OF CONSTRUCTION BY THE DESIGN ENGINEER WITH REQUIRED REPORTING TO THE DEP. AT A MINIMUM, THE DESIGN ENGINEER SHALL INSPECT THE CONSTRUCTION AT THE FOLLOWING PHASES:
 - AFTER PRELIMINARY CONSTRUCTION OF THE FILTER GRADES AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED BUT NOT BACKFILLED.
 - AFTER THE DRAINAGE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER MEDIA.
 - AFTER THE FILTER MEDIA HAS BEEN INSTALLED AND SEEDING.
- AFTER ONE YEAR TO INSPECT HEALTH OF THE VEGETATION AND MAKE CORRECTIONS, AND
- ALL MATERIAL USED FOR THE CONSTRUCTION OF THE FILTER BASIN SHALL BE APPROVED BY THE DESIGN ENGINEER AFTER TESTS BY A CERTIFIED LABORATORY SHOW THAT THEY ARE PASSING DEP SPECIFICATIONS.
- THE CONTRACTOR SHALL IDENTIFY THE LOCATION OF THE SOURCE OF EACH COMPONENT OF THE FILTER MEDIA. ALL RESULTS OF THE FIELD AND LABORATORY TESTING SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR CONFIRMATION. THE CONTRACTOR SHALL:
 - SUBMIT SAMPLES OF EACH TYPE OF MATERIAL TO BE BLENDED FOR THE MIXED FILTER MEDIA AND SAMPLES OF THE UNDERDRAIN BEDDING MATERIAL. SAMPLES MUST BE A COMPOSITE OF THREE GRABS FROM THE STOCKPILE OR PIT FACE. SAMPLE SIZE REQUIRED WILL BE DETERMINED BY THE TESTING LABORATORY.
 - PERFORM A SIEVE ANALYSIS CONFORMING TO ASTM C136 (STANDARD TEST METHOD FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES, 1996A) ON EACH TYPE OF THE SAMPLE MATERIAL. THE RESULTING SOIL FILTER MEDIA MIXTURE MUST HAVE 8% TO 12% BY WEIGHT PASSING THE #200 SIEVE, A CLAY CONTENT OF LESS THAN 2% (DETERMINED BY HYDROMETER GRAIN SIZE ANALYSIS) AND HAVE 10% DRY WEIGHT OF ORGANIC MATTER.
 - PERFORM A PERMEABILITY TEST ON THE SOIL FILTER MEDIA CONFORMING TO ASTM D2434 WITH THE MIXTURE COMPACTED TO 90-92% OF MAXIMUM DRY DENSITY BASED ON ASTM D698.
- UNDERDRAIN PIPES BELOW THE SOIL BED SHALL BE INSTALLED TO PROVIDE POSITIVE DRAINAGE.

BIORETENTION CELL SECTION
NOT TO SCALE

NOT FOR CONSTRUCTION

DESIGNED	CHECKED
PDO	CCB

A: CCB 4/12/16 FOR AUBURN SUBMITTAL
 REV. BY: DATE: STATUS:
 THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

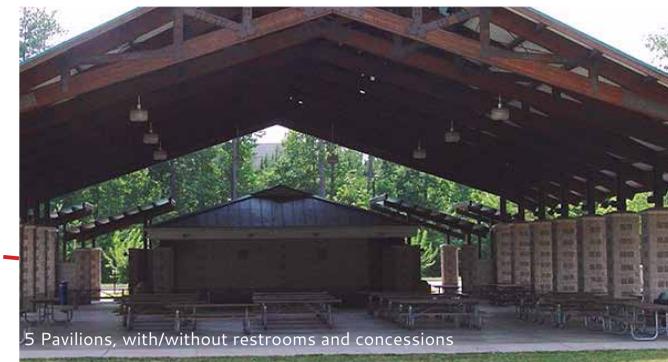
SEBAGO TECHNICS
WWW.SEBAGO-TECHNICS.COM
75 John Roberts Rd., Suite B
South Portland, ME 04106
Tel: 207-200-9100 Tel: 207-783-5656

DETAILS
OF:
AUBURN LEWISTON YMCA OUTDOOR LEARNING & EDUCATION CENTER
NORTH RIVER ROAD
AUBURN, MAINE
FOR:
AUBURN LEWISTON YMCA
62 TURNER STREET
AUBURN, ME 04210

PROJECT NO.	SCALE
10278	NTS

SHEET 5 OF 5

102780.dwg 1/26/20



Conceptual Masterplan and Precedent Board Auburn-Lewiston YMCA

Stetson Road, Auburn, Maine - December 2015

