LEGEND

	PROPERTY LINE
	EXISTING FENCE
	PROPOSED FENCE
10	EXISTING CONTOUR
62	FINISHED GRADE
D	EXISTING DRAINAGE
PD PD PD	PROPOSED DRAINAGE
	EXISTING CONCRETE/BITUMINOUS SIDEWALK
	PROPOSED CONCRETE/BITUMINOUS SIDEWALK
	EXISTING SIGN
	PROPOSED SIGN
	PROPOSED INLET PROTECTION
	APPROXIMATE LIMIT OF WORK

GRADING AND DRAINAGE NOTES:

1. COMPACTION REQUIREMENTS:

BELOW PAVED OR CONCRETE AREAS	95%
TRENCH BEDDING MATERIAL AND SAND BLANKET BACKFILL	95%
BELOW LOAM AND SEED AREAS	90%

* ALL PERCENTAGES OF COMPACTION SHALL BE OF THE MAXIMUM DRY DENSITY AT THE OPTIMUM MOISTURE CONTENT AS DETERMINED AND CONTROLLED IN ACCORDANCE WITH ASTM D-1557, METHOD C FIELD DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM D-1556 OR ASTM-2922.

2. ALL STORM DRAINAGE PIPES SHALL BE HIGH DENSITY POLYETHYLENE (HANCOR HI-Q, ADS N-12 OR APPROVED EQUAL), UNLESS OTHERWISE SPECIFIED.
3. ADJUST ALL MANHOLES, CATCHBASINS, CURB BOXES, ETC. WITHIN LIMITS OF WORK TO FINISH GRADE.
4. CONTRACTOR SHALL PROVIDE A FINISH PAVEMENT SURFACE AND LAWN AREAS FREE OF LOW SPOTS AND PONDING AREAS. CRITICAL AREAS INCLUDE BUILDING ENTRANCES, EXITS, RAMPS AND LOADING DOCK AREAS ADJACENT TO THE BUILDING.
5. CONTRACTOR SHALL THOROUGHLY CLEAN ALL CATCHBASINS AND DRAIN LINES, WITHIN THE LIMIT OF WORK, OF SEDIMENT IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.
6. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES.
7. ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 6" LOAM, SEED FERTILIZER AND MULCH.
8. ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MEDOT. STANDARD SPECIFICATIONS, LATEST EDITION.
9. ALL PROPOSED CATCHBASINS SHALL BE EQUIPPED WITH OIL/GAS SEPARATOR HOODS AND 4' SUMPS.
10. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE AND CITY OF PORTLAND DEPARTMENT OF PUBLIC WORKS AND CONSTRUCTION SPECIFICATIONS, LATEST REVISIONS.
11. CONTRACTOR TO SUBMIT AS-BUILT PLANS ON REPRODUCIBLE MYLARS AND IN DIGITAL FORMAT (.DWG FILE) ON DISK TO THE OWNER AND ENGINEER UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL BE PREPARED AND CERTIFIED BY A MAINE LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER.

EROSION CONTROL NOTES:

1. PRIOR TO ANY WORK OR SOIL DISTURBANCE COMMENCING ON THE SUBJECT PROPERTY, INCLUDING MOVING OF EARTH, THE APPLICANT SHALL INSTALL ALL EROSION AND SILTATION MITIGATION AND CONTROL MEASURES AS REQUIRED BY STATE AND LOCAL PERMITS AND APPROVALS.
2. PROVIDE INLET PROTECTION AROUND ALL EXISTING AND PROPOSED CATCHBASIN INLETS WITHIN THE WORK LIMITS. MAINTAIN FOR THE DURATION OF THE PROJECT UNTIL PAVEMENT HAS BEEN INSTALLED.
3. INSPECT INLET PROTECTION AND SILT FENCES DAILY AND AFTER EACH RAIN STORM OF 0.25 INCH OR GREATER. REPAIR/MODIFY PROTECTION AS NECESSARY TO MAXIMIZE EFFICIENCY OF FILTER. REPLACE ALL FILTERS WHEN SEDIMENT IS 1/3 THE FILTER HEIGHT.
4. ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 6" LOAM, SEED, FERTILIZER AND MULCH.
5. CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE CONSTRUCTION PERIOD. DUST CONTROL MEASURES SHALL INCLUDE, BUT NOT LIMITED TO, SPRINKLING WATER ON UNSTABLE SOILS SUBJECT TO ARID CONDITIONS.
6. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF CONSTRUCTION.
7. ALL CATCHBASIN SUMPS AND PIPING SHALL BE THOROUGHLY CLEANED TO REMOVE ALL SEDIMENT AND DEBRIS AFTER THE PROJECT HAS BEEN PAVED.
8. TEMPORARY SOIL STOCKPILE SHALL BE SURROUNDED BY SILT FENCE AND SHALL BE STABILIZED BY TEMPORARY EROSION CONTROL SEEDING.

NOTES:

1. DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF, WATER FROM EXCAVATIONS) TO THE TREE BOX FILTER DURING ANY STAGE OF CONSTRUCTION.
2. DO NOT TRAFFIC OR COMPACT EXPOSED SOIL SURFACE WITHIN THE AREA OF THE FILTER WITH CONSTRUCTION EQUIPMENT. PERFORM EXCAVATION FOR THE CONSTRUCTION OF THIS BMP WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE SYSTEM.

TREE BOX FILTER MEDIA		
COMPONENT MATERIAL	PERCENT OF MIXTURE BY VOLUME	REQUIRED MATERIAL CHARACTERISTICS
SAND	80	ASTM C-33 CONCRETE SAND
ORGANIC MATERIAL, COMPOSTED BARK MULCH RECOMMENDED	20	< 5% PASSING #200 SIEVE
GENERAL REQUIREMENTS APPLICABLE TO THE MIXTURE	1. SOIL MIX SHOULD BE UNIFORM, FREE OF STONES, STUMPS, ROOTS, OR SIMILAR MATERIALS LARGER THAN 2 INCHES. 2. SOIL pH SHOULD BE BETWEEN 5.5 AND 6.5 3. THE RESULTING MIXTURE MUST HAVE NO LESS THAN 8% PASSING THE 200 SIEVE AND SHALL HAVE A CLAY CONTENT OF LESS THAN 2%	

TREE BOX FILTER

NOT TO SCALE

SCALE IN FEET
0 30' 60'
GRAPHIC SCALE

Tighe&

www.

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 04/25/16

STATE OF MAINE
Gregg M. Mikolaitis
5890
LICENSED
PROFESSIONAL ENGINEER
3/18/16

Proposed Parking Lot Improvements

Whole Foods Market

Portland, Maine

MARK	DATE	DESCRIPTION
2.	3/18/16	Revised per City Comment
1.	2/25/16	Revised per City Comment

PROJECT NO:	W2011-39
DATE:	2016/01/15
FILE:	W2011_SITE_REV 2.dwg
DRAWN BY:	REP
CHECKED:	KAM
APPROVED:	GMM

GRADING, DRAINAGE, AND EROSION CONTROL PLAN

SCALE: AS SHOWN

Last Saved: 3/18/2016
Plotted On:Mar 18, 2016-1:35pm By: kam
Tighe & Bond:\\srv\Projects\W\W2011 Whole Foods\W2011-39 Portland ME\DWG-CAD\DES\GN\W2011_SITE_REV 2.dwg