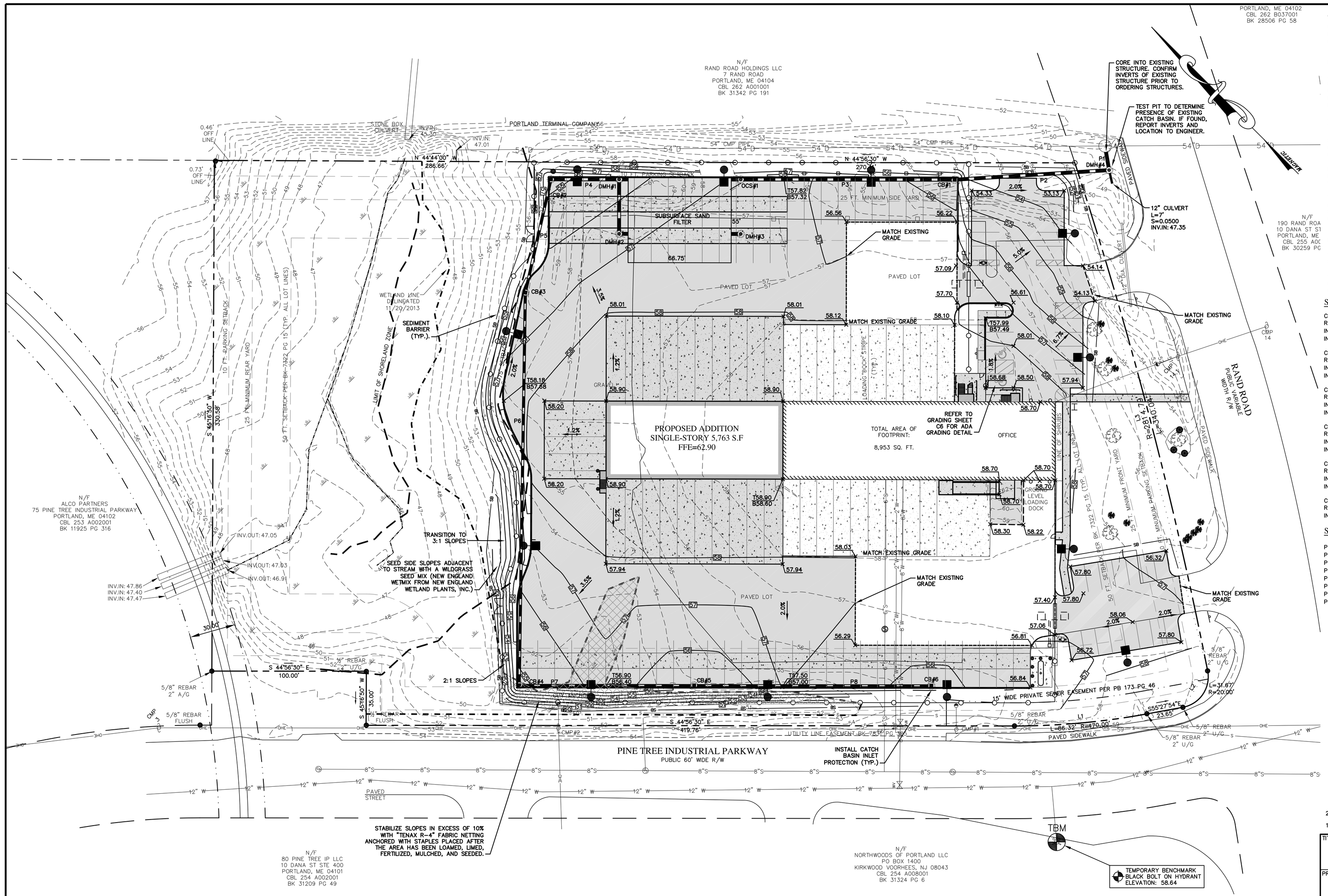

GRADING AND DRAINAGE NOTES:

1. THE CONTRACTOR SHALL PHASE GRADING EFFORTS SUCH THAT TOTAL SITE DISTURBANCE IS MINIMIZED. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO GRADING EFFORTS OR WITHOUT DELAY UPON THEIR COMPLETION, DEPENDENT UPON THE SITUATION.

2. ALL FILL SLOPES SHALL BE A MINIMUM OF 2:1 HORIZONTAL TO VERTICAL UNLESS OTHERWISE NOTED OR DIRECTED.

3. THE LIMITS OF DISTURBANCE SHALL GENERALLY BE THE MINIMAL EXTENT NECESSARY ONLY TO PERFORM THE GRADING EFFORTS SHOWN ON THE DRAWINGS. SPECIAL CARE SHALL BE TAKEN TO AVOID DISTURBANCE OF OBJECTS AND AREAS NOT SPECIFICALLY IDENTIFIED FOR MODIFICATION OR REMOVAL.

4. ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED IN ACCORDANCE WITH THE DRAWINGS, UNLESS INTENDED FOR OTHER SURFACE COVER.

5. STORM DRAINS SHALL BE CONSTRUCTED CONCURRENTLY WITH GRADING EFFORTS TO PROVIDE ADEQUATE CONVEYANCE FOR ANY SITE RUNOFF CONDITIONS.

6. WHERE FINAL GRADING HAS BEEN COMPLETED, SURFACE RESTORATION FOR DISTURBED AREAS WILL BE COMPLETED AS SOON AS PRACTICABLE. FOR VEGETATIVE AREAS, VEGETATION WILL BE PROGRESSIVELY ESTABLISHED.

7. UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPE SHALL BE IN ACCORDANCE WITH MDOT SPECIFICATIONS SECTION 603. PIPE CULVERTS AND STORM DRAINS, LATEST REVISION WITH ACCEPTABLE TYPES OF PIPE ARE AS FOLLOWS:
SMOOTH BORE POLYETHYLENE PIPE – HDPE N-12 ADS

8. BENCHMARK INFORMATION: SEE PLAN

9. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL DRAINAGE STRUCTURES AND PIPING PRIOR TO ORDERING.

10. RIM ELEVATIONS OF PROPOSED DRAINAGE STRUCTURES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS.

STRUCTURE DATA:

CB#1
RIM: 55.23
INV.IN: 43.92 (FROM OCS#1)
INV.OUT: 43.82 (TO DMH#4)

CB#2
RIM: 54.76
INV.IN: 47.81 (FROM CB#3)
INV.OUT: 47.71 (TO DMH#1)

CB#3
RIM: 56.24
INV.IN: 48.26 (FROM CB#4)
INV.OUT: 48.16 (TO CB#2)

CB#4
RIM: 54.70
INV.IN: 49.61 (FROM CB#5)
INV.OUT: 49.51 (TO CB#3)

CB#5
RIM: 55.22
INV.IN: 50.25 (FROM CB#6)
INV.OUT: 50.15 (TO CB#4)

CB#6
RIM: 55.56
INV.OUT: 51.00 (TO CB#5)

OCS#1
RIM: 56.84
TOP OF WEIR: 48.43
INV.IN: 47.43 (FROM CHAMBERS)
INV.IN: 44.69 (FROM UNDERDRAIN)
INV.OUT: 44.59 (TO CB#1)

DMH#1
RIM: 55.51
INV.IN: 47.53 (FROM CB#2)
INV.OUT: 47.43 (TO CHAMBERS)

DMH#2
RIM: 56.17
INV.IN: 47.53 (FROM DMH#1)
INV.OUT: 47.43 (TO CHAMBERS)

DMH#3
RIM: 57.23
INV.OUT: 47.43 (TO CHAMBERS)

DMH#4
RIM: 51.00
INV.IN: 43.34 (FROM CB#1)
INV.IN: 47.00 (FROM CULVERT)
INV.OUT: 43.24 (TO EXISTING DMH)

STORMDRAIN PIPE DATA:

P1: 24" HDPE L=10' S=0.0050
P2: 24" HDPE L=96' S=0.0050
P3: 24" HDPE L=134' S=0.0050
P4: 24" HDPE L=40' S=0.0050
P5: 18" HDPE L=69' S=0.0050
P6: 18" HDPE L=250' S=0.0050
P7: 15" HDPE L=109' S=0.0050
P8: 15" HDPE L=150' S=0.0050

2.	06/19/14	REVISED PER CITY COMMENTS	JJM
1.	05/19/14	SUBMITTED TO CITY AND MDEP	JJM

TITLE:
GRADING, DRAINAGE & EROSION CONTROL PLAN

PROJECT:
PROPOSED BUILDING EXPANSION
185 RAND ROAD, PORTLAND, ME 04102

PREPARED FOR:
OLD DOMINION FREIGHT LINES, INC.
500 OLD DOMINION WAY, THOMASVILLE, NC 27360

PROGRESS PRINT
THIS PLAN IS ISSUED FOR REVIEW AND INFORMATION PURPOSES ONLY. THIS PLAN IS SUBJECT TO CHANGE AND IS NOT FOR PRICING OR CONSTRUCTION. PRICING BASED ON THIS PLAN IS NOT BINDING UNLESS SIGNED BY BOTH CONTRACTOR AND OWNER.

CALL DIG SAFE UTILITY LOCATION
1-888-344-7233
STATE LAW REQUIRES ADVANCE NOTICE OF AT LEAST 3 BUSINESS DAYS BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND UTILITIES

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

STATE OF MAINE
JOSEPH J. MARDEN
12828
LICENSED
PROFESSIONAL ENGINEER

SITELINES, PA
ENGINEERS ▪ PLANNERS ▪ SURVEYORS
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: JJM/MC	SCALE: 1"=30'
DRN BY: RPL	JOB #: 2454
CH'D BY: CYN	MAP/LOT: 254/A007001
DATE: 02/26/14	FILE: 2454-SITE

SHEET: C4