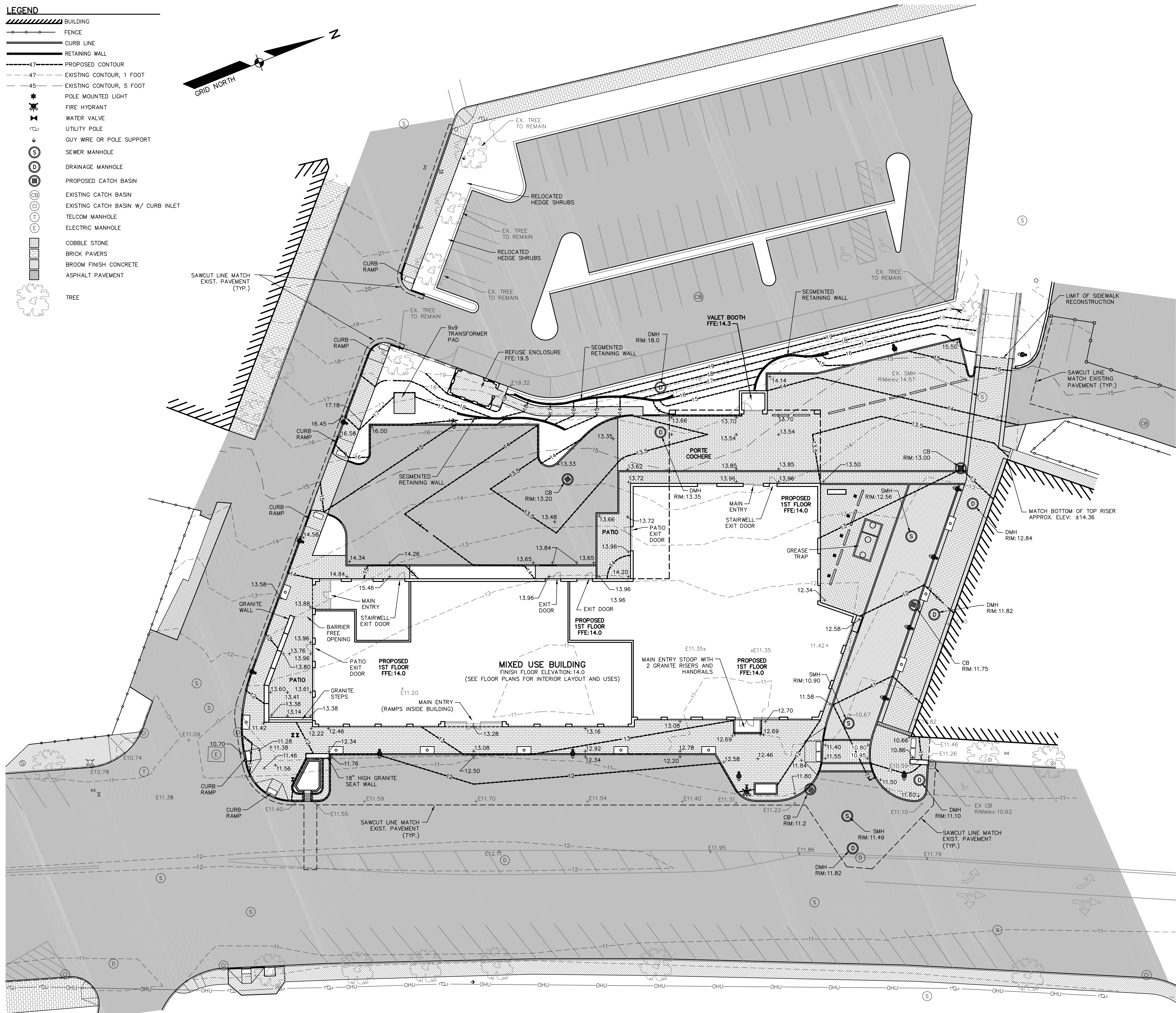
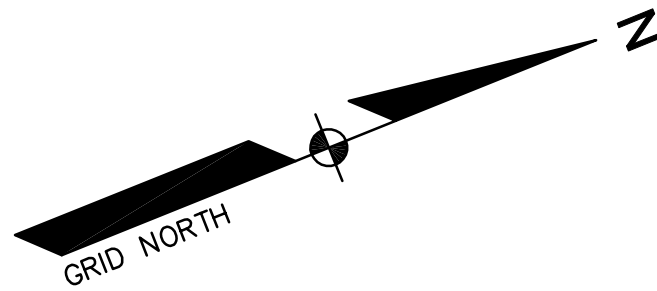


LEGEND

- BUILDING
- FENCE
- CURB LINE
- RETAINING WALL
- PROPOSED CONTOUR
- EXISTING CONTOUR, 1 FOOT
- EXISTING CONTOUR, 5 FOOT
- POLE MOUNTED LIGHT
- FIRE HYDRANT
- WATER VALVE
- UTILITY POLE
- GUY WIRE OR POLE SUPPORT
- SEWER MANHOLE
- DRAINAGE MANHOLE
- PROPOSED CATCH BASIN
- EXISTING CATCH BASIN
- EXISTING CATCH BASIN W/ CURB INLET
- TELCOM MANHOLE
- ELECTRIC MANHOLE
- COBBLE STONE
- BRICK PAVERS
- BROOM FINISH CONCRETE
- ASPHALT PAVEMENT
- TREE



GENERAL NOTES:

1. ALL WORK WITHIN THE STREET RIGHT OF WAY WILL MEET THE STANDARDS IN THE CITY OF PORTLAND'S DESIGN AND TECHNICAL MANUALS.
2. GREASE TRAP CALCULATIONS:
THE STATE OF MAINE SUBSURFACE WASTEWATER DISPOSAL RULES ARE UTILIZED TO CALCULATE THE AVERAGE DAILY PROCESS FLOW FROM THE FACILITY WITH NO SANITARY OR OTHER EXTRANEANOUS WASTES FLOWING THROUGH THE TRAP.
PROCESS FLOW CALCULATION:
EQUATION 6B: $Q=(M)(GL)(ST)(LF)$; WHERE
Q IS THE LIQUID CAPACITY OF EXTERNAL GREASE INTERCEPTOR IN GALLONS
M IS THE TOTAL NUMBER OF MEALS SERVED PER DAY
GL IS THE GALLONS OF WASTEWATER PER MEAL, TYP. 2.0 GALLONS
ST IS THE STORAGE CAPACITY, TYP. 2
LF IS A LOADING FACTOR DEPENDING ON TYPE OF FACILITIES PRESENT
LF IS 1.0 WITH DISH WASHING
LF IS 0.5 WITHOUT DISH WASHING

MEALS PER DAY:
HOTEL: 50 SEATS AT 2 MEALS PER DAY = 100 MEALS
RESTAURANT LOUNGE: 78 SEATS AT 2 MEALS PER DAY = 156 MEALS
RESTAURANT DINING: 158 SEATS AT 3 MEALS PER DAY = 474 MEALS
TOTAL MEALS PER DAY = 730 MEALS

PROCESS FLOW $Q=(730)(2.0)(2)(1.0) = 2,920$ GALLONS

GREASE TRAP SIZING:
CHAMBER "A" (3 OF TANK VOLUME) MUST BE EQUIVALENT TO THE AVERAGE DAILY PROCESS FLOW

TANK VOLUME = 4,500 GALLONS
CHAMBER A = 2,980 GALLONS
CHAMBER B = 1,470 GALLONS
3. EXISTING TREES INDICATED TO REMAIN ARE SUBJECT TO REPLACEMENT REQUIREMENTS. SEE THE LANDSCAPE OR DEMOLITION PLAN FOR TREE PRESERVATION AND/OR REPLACEMENT NOTES.

DATE	REVISION DESCRIPTION	BY
01-15-13	REVISED PER CITY STAFF AND HISTORICAL/PLANNING BOARD COMMENTS	BJB
02-01-13	REVISED PER PLANNING BOARD CONDITIONS OF APPROVAL	BJB
02-05-13	REVISED PER PLANNING BOARD CONDITIONS OF APPROVAL	BJB

LOPECHEE
CONSTRUCTION CORPORATION
11 CORPORATE DRIVE, BELMONT NH 03220
PHONE (603) 327-3090 FAX (603) 327-3191

GRADING PLAN

PROJECT: **COMMERCIAL & MAPLE STREET MIXED USE DEVELOPMENT**
PORTLAND, ME

DATE: 10-22-12
SCALE: 1"=20'
DRAWN BY: BJB
C06
SHEET: 6 OF 14

