

## AVERAGE BUILDING HEIGHT CALCULATION

Project: AC Hotel  
 Address: Portland ME  
 Date: 5/16/2016

<u>Node</u>	<u>Grade</u>	<u>Spots</u>	<u>Distance (feet)</u>	<u>Average Grade</u>	<u>Weighted</u>
A	15.00				
		A-B	29.3	15.5	454.2
B	16.00				
		B-C	409.5	16.0	6,552.0
C	16.00				
		C-D	109.0	15.9	1,734.7
D	15.83				
		D-E	41.2	15.5	640.2
E	15.25				
		E-F	26.5	15.0	398.6
F	14.83				
		F-G	31.8	14.9	474.3
G	15.00				
		G-A	107.5	15.0	1,612.5
A	15.00				

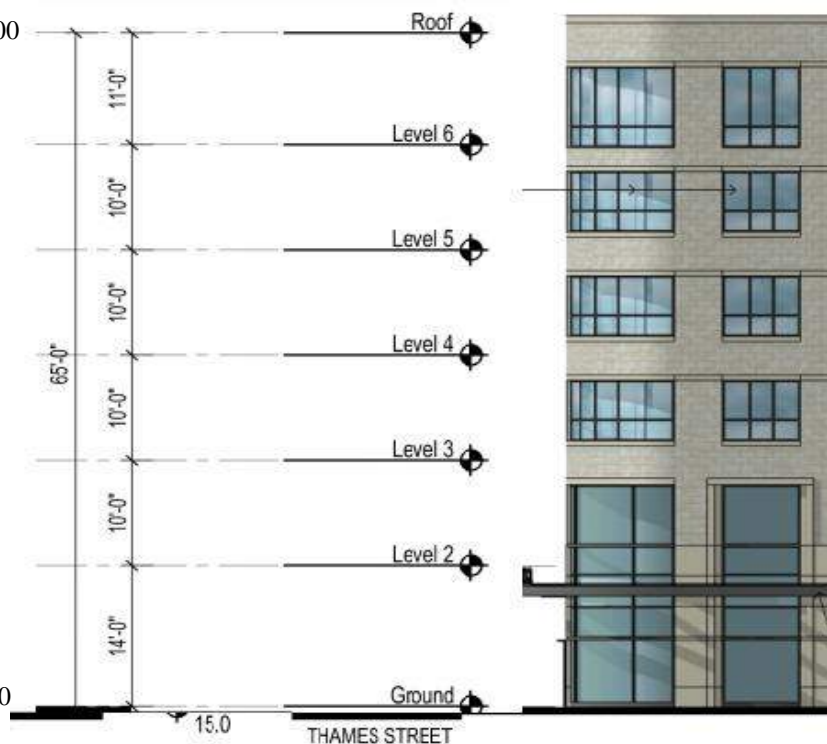
Total: 754.8 11,866.5

Average Grade: 15.72

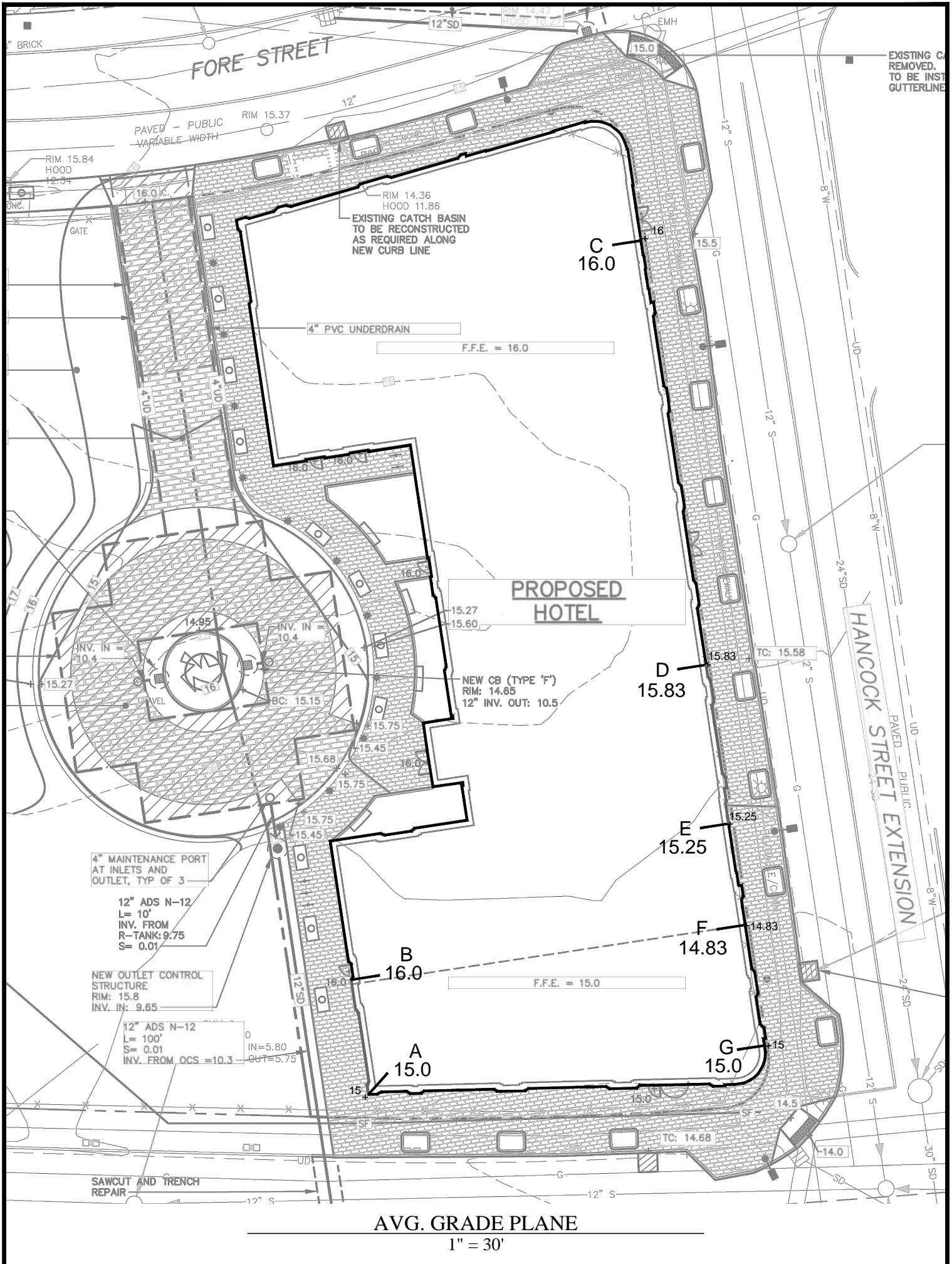
Highest Roof Beam Elev: 80.00

Building Height: 64.28

Highest Roof Beam Elev: 80.00



Lowest Finish Floor Elev: 15.00



FORE STREET

EXISTING C  
REMOVED.  
TO BE INST  
GUTTERLINE

**PROPOSED  
HOTEL**

HANCOCK STREET EXTENSION  
PAVED - PUBLIC

**AVG. GRADE PLANE**  
1" = 30'

PAVED - PUBLIC  
VARIABLE WIDTH

EXISTING CATCH BASIN  
TO BE RECONSTRUCTED  
AS REQUIRED ALONG  
NEW CURB LINE

4" PVC UNDERDRAIN

F.F.E. = 16.0

NEW CB (TYPE 'F')  
RIM: 14.65  
12" INV. OUT: 10.5

4" MAINTENANCE PORT  
AT INLETS AND  
OUTLET, TYPE OF 3

12" ADS N-12  
L= 10'  
INV. FROM  
R-TANK: 9.75  
S= 0.01

NEW OUTLET CONTROL  
STRUCTURE  
RIM: 15.8  
INV. IN: 9.65

12" ADS N-12  
L= 100'  
S= 0.01  
INV. FROM OCS = 10.3

SAWCUT AND TRENCH  
REPAIR

C  
16.0

D  
15.83

E  
15.25

F  
14.83

B  
16.0

A  
15.0

G  
15.0

