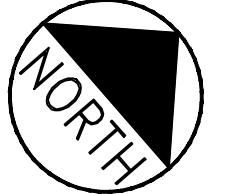


REFER TO DRAINAGE SCHEDULE D FOR INFORMATION ON DRAINAGE SYSTEM

SEE PLAN C-3.8 FOR DETAILED GRADING AND DRAINAGE FOR ELM STREET



TM 34-D-1&7
N/F
MARGINAL WAY LLC
1987/14 87

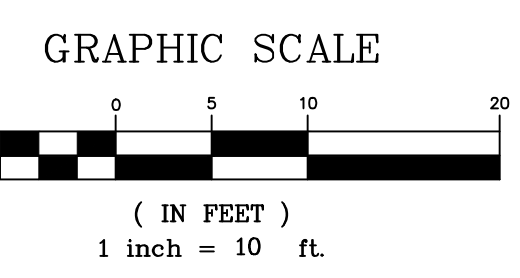
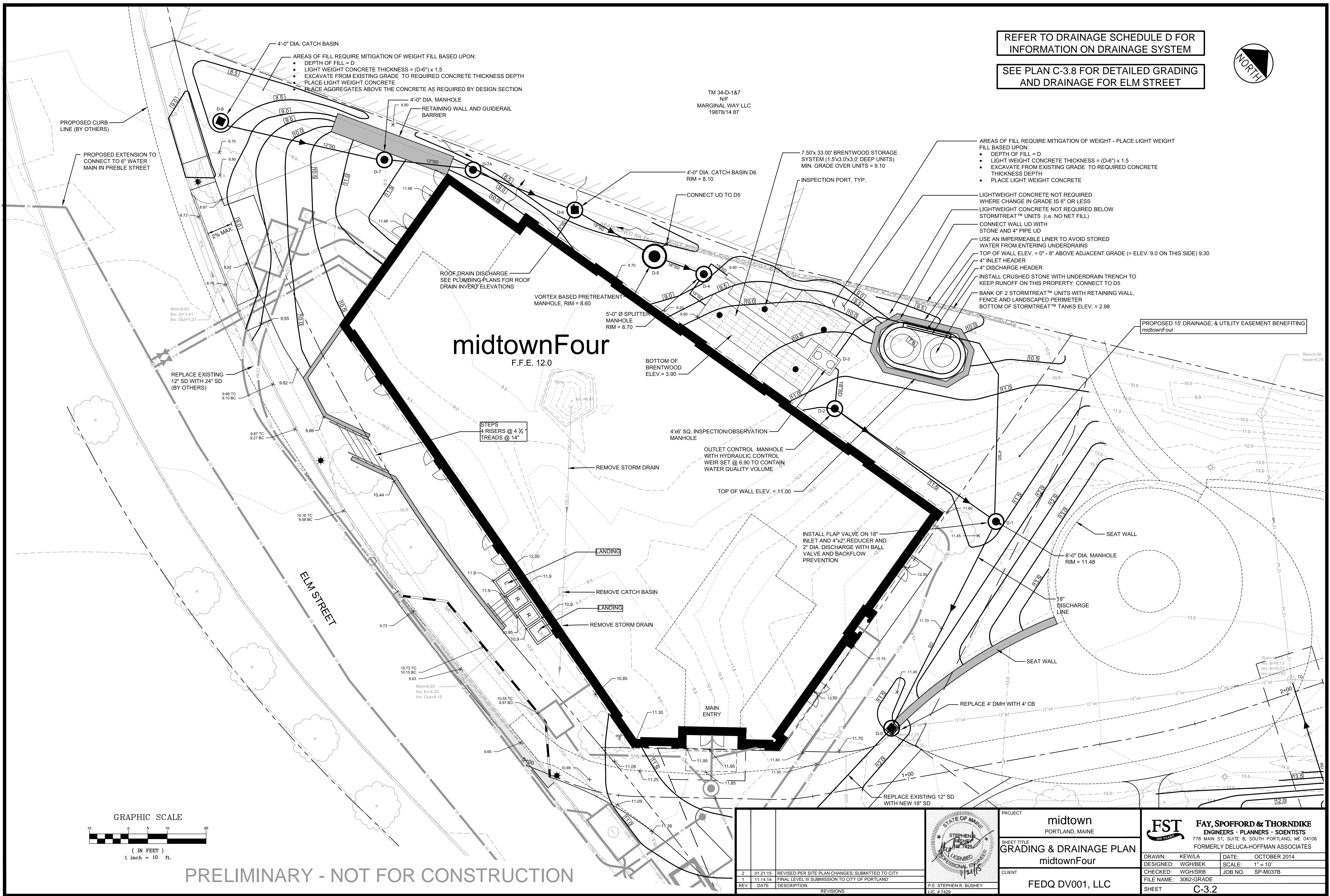
- AREAS OF FILL REQUIRE MITIGATION OF WEIGHT FILL BASED UPON:
- DEPTH OF FILL = D
 - LIGHT WEIGHT CONCRETE THICKNESS = (D-6") x 1.5
 - EXCAVATE FROM EXISTING GRADE TO REQUIRED CONCRETE THICKNESS DEPTH
 - PLACE LIGHT WEIGHT CONCRETE
 - PLACE AGGREGATES ABOVE THE CONCRETE AS REQUIRED BY DESIGN SECTION

- AREAS OF FILL REQUIRE MITIGATION OF WEIGHT - PLACE LIGHT WEIGHT FILL BASED UPON:
- DEPTH OF FILL = D
 - LIGHT WEIGHT CONCRETE THICKNESS = (D-6") x 1.5
 - EXCAVATE FROM EXISTING GRADE TO REQUIRED CONCRETE THICKNESS DEPTH
 - PLACE LIGHT WEIGHT CONCRETE

- LIGHTWEIGHT CONCRETE NOT REQUIRED WHERE CHANGE IN GRADE IS 6" OR LESS
- LIGHTWEIGHT CONCRETE NOT REQUIRED BELOW STORMTREAT™ UNITS (i.e. NO NET FILL)
- CONNECT WALL UD WITH STONE AND 4" PIPE UD
- USE AN IMPERMEABLE LINER TO AVOID STORED WATER FROM ENTERING UNDERDRAINS
- TOP OF WALL ELEV. = 0" - 8" ABOVE ADJACENT GRADE (= ELEV. 9.0 ON THIS SIDE) 9.30
- 4" INLET HEADER
- 4" DISCHARGE HEADER
- INSTALL CRUSHED STONE WITH UNDERDRAIN TRENCH TO KEEP RUNOFF ON THIS PROPERTY; CONNECT TO D5
- BANK OF 2 STORMTREAT™ UNITS WITH RETAINING WALL, FENCE AND LANDSCAPED PERIMETER
- BOTTOM OF STORMTREAT™ TANKS ELEV. = 2.98

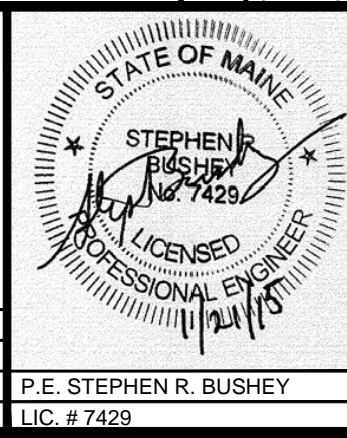
midtownFour

F.F.E. 12.0



PRELIMINARY - NOT FOR CONSTRUCTION

| REV | DATE | DESCRIPTION | REVISIONS |
|-----|----------|--|-----------|
| 2 | 01.21.15 | REVISED PER SITE PLAN CHANGES, SUBMITTED TO CITY | |
| 1 | 11.14.14 | FINAL LEVEL III SUBMISSION TO CITY OF PORTLAND | |



PROJECT
midtown
PORTLAND, MAINE

SHEET TITLE
GRADING & DRAINAGE PLAN
midtownFour

CLIENT
FEDQ DV001, LLC

FST **FAY, SPOFFORD & THORNDIKE**
ENGINEERS - PLANNERS - SCIENTISTS
778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106
FORMERLY DELUCA-HOFFMAN ASSOCIATES

DRAWN: KEW/LA DATE: OCTOBER 2014
DESIGNED: WGH/BEK SCALE: 1" = 10'
CHECKED: WGH/SRB JOB NO. SP-M037B
FILE NAME: 3062-GRADE
SHEET **C-3.2**