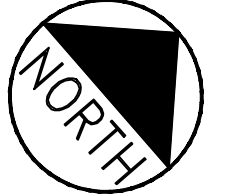


REFER TO DRAINAGE SCHEDULE D FOR INFORMATION ON DRAINAGE SYSTEM

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



- 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

TM 34-D-187
N/F
MARGINAL WAY LLC
19878/14 87

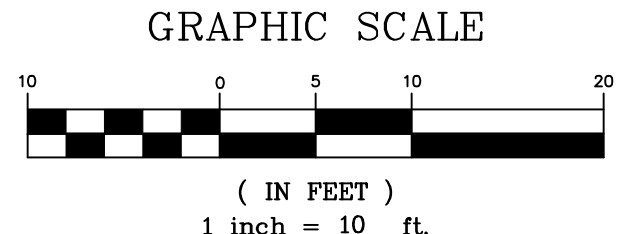
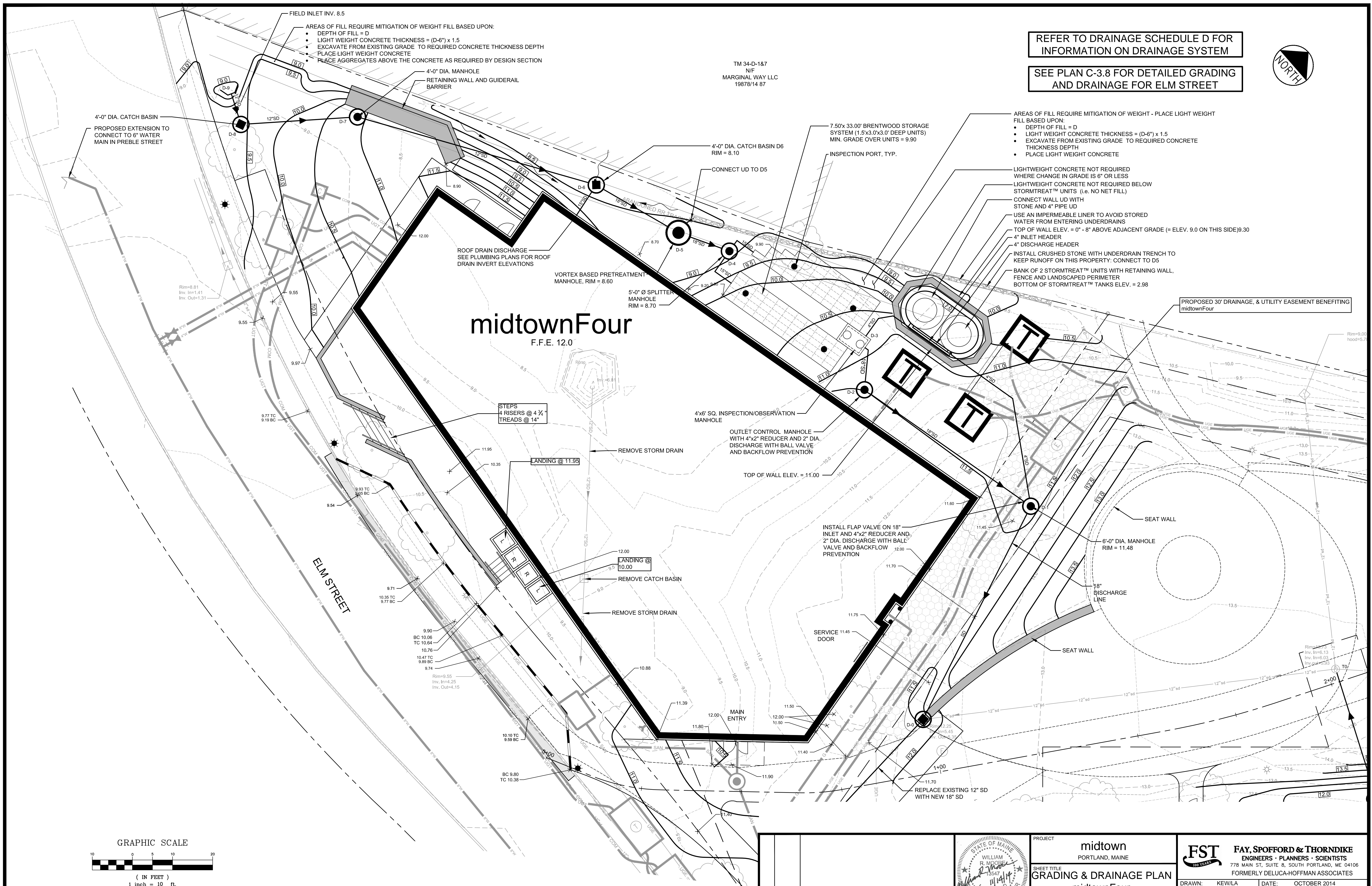
- AREAS OF FILL REQUIRE MITIGATION OF WEIGHT - PLACE LIGHT WEIGHT FILL BASED UPON:
- DEPTH OF FILL = D
 - LIGHT WEIGHT CONCRETE THICKNESS = (D-6") x 1.5
 - EXCAVATE FROM EXISTING GRADE TO REQUIRED CONCRETE THICKNESS DEPTH
 - PLACE LIGHT WEIGHT CONCRETE

- 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

PROPOSED 30" DRAINAGE, & UTILITY EASEMENT BENEFITING midtownFour

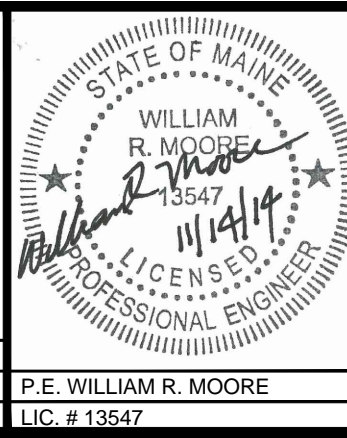
midtownFour

F.F.E. 12.0



PRELIMINARY - NOT FOR CONSTRUCTION

PROJECT	midtown PORTLAND, MAINE
SHEET TITLE	GRADING & DRAINAGE PLAN midtownFour
CLIENT	THE FEDERATED COMPANIES



DATE	11/14/14	DESCRIPTION	FINAL LEVEL III SUBMISSION TO CITY OF PORTLAND
REV			

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