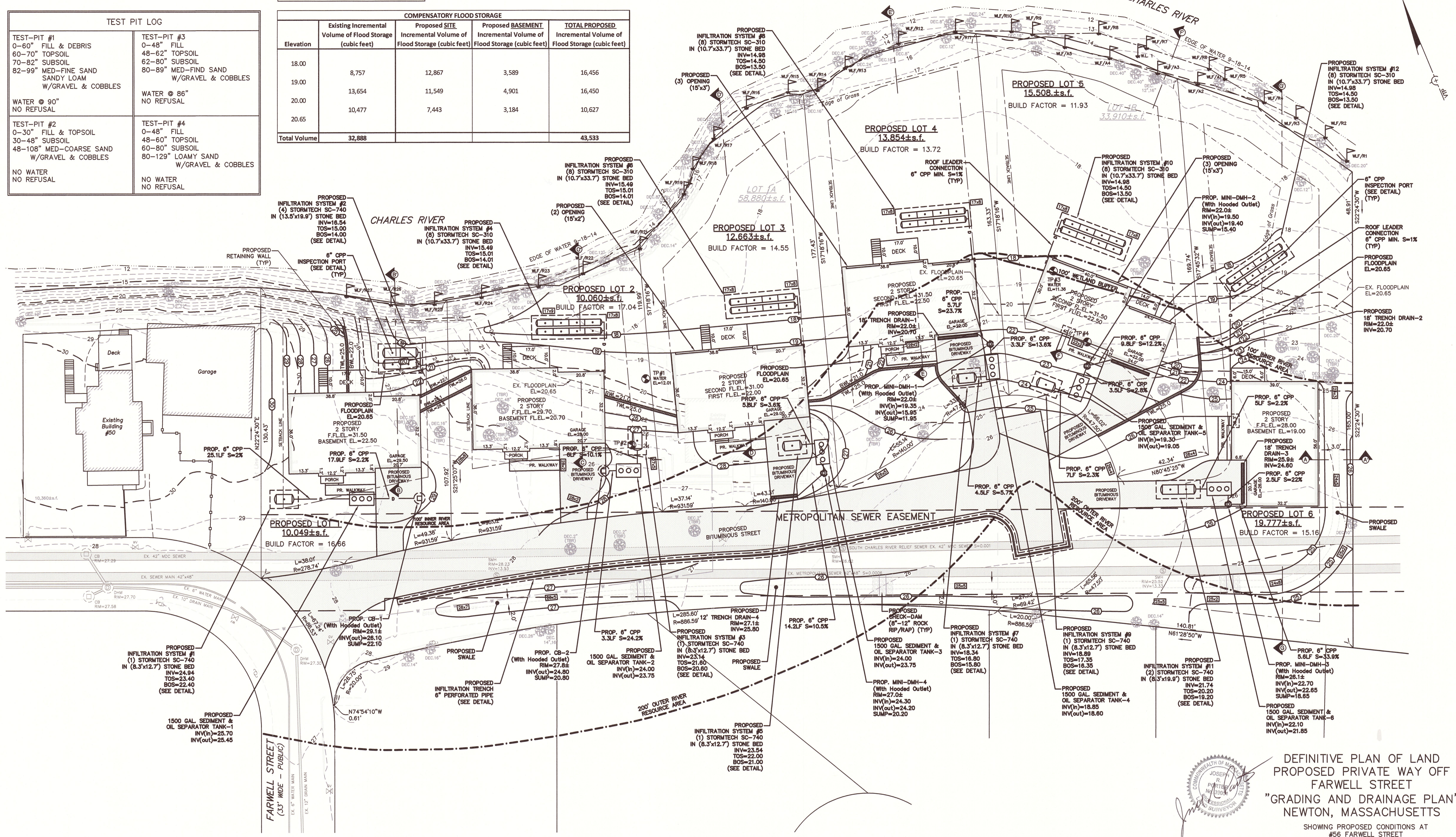


EXISTING DISTURBED AREAS (32,500±s.f.)

TEST PIT LOG	
TEST-PIT #1 0-60" FILL & DEBRIS 60-70" TOPSOIL 70-82" SUBSOIL 82-99" MED-FINE SAND SANDY LOAM W/GRAVEL & COBBLES WATER @ 90" NO REFUSAL	TEST-PIT #3 0-48" FILL 48-62" TOPSOIL 62-80" SUBSOIL 80-89" MED-FINE SAND W/GRAVEL & COBBLES WATER @ 86" NO REFUSAL
TEST-PIT #2 0-30" FILL & TOPSOIL 30-48" SUBSOIL 48-108" MED-COARSE SAND W/GRAVEL & COBBLES NO WATER NO REFUSAL	TEST-PIT #4 0-48" FILL 48-60" TOPSOIL 60-80" SUBSOIL 80-129" LOAMY SAND W/GRAVEL & COBBLES NO WATER NO REFUSAL

Elevation	COMPENSATORY FLOOD STORAGE			TOTAL PROPOSED Incremental Volume of Flood Storage (cubic feet)
	Existing Incremental Volume of Flood Storage (cubic feet)	Proposed SITE Incremental Volume of Flood Storage (cubic feet)	Proposed BASEMENT Incremental Volume of Flood Storage (cubic feet)	
18.00	8,757	12,867	3,589	16,456
19.00	13,654	11,549	4,901	16,450
20.00	10,477	7,443	3,184	10,627
20.65				
Total Volume	32,888			43,533



NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THIS PLAN. PRIOR TO ANY CONSTRUCTION, THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION BEFORE PROCEEDING WITH THE WORK.
2. THE LOCATION OF ALL UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASE ON THE FIELD LOCATION OF ALL VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER GATES, ETC. AND GOVERNMENT AGENCIES.
3. ALL THE PROPOSED DOWNSPOUT TO CONNECT INTO INSIDE INFILTRATION SYSTEMS.

Elevation	COMPENSATORY FLOOD STORAGE BY LOT						TOTAL VOLUME
	LOT1	LOT2	LOT3	LOT4	LOT5	LOT6	
18.00	289	1,296	2,776	5,992	5,194	909	16,456
19.00	496	1,735	3,474	5,021	4,567	1,157	16,450
20.00	396	1,144	2,208	3,212	2,882	785	10,627
20.65							

DIG SAFE

EXCAVATORS BEFORE YOU DIG CONTACT THE DIG SAFE CENTER TO PREVENT DAMAGE TO TELEPHONE, GAS OR ELECTRIC UNDERGROUND FACILITIES OF MEMBER UTILITIES. CALL TOLL FREE 1-888-DIG-SAFE. MASSACHUSETTS STATE LAW REQUIRES NOTIFICATION AT LEAST THREE BUSINESS DAYS BEFORE YOU START DIGGING OPERATIONS. IN AN EMERGENCY, CALL IMMEDIATELY.

SCALE: 1" = 20'

DEFINITIVE PLAN OF LAND PROPOSED PRIVATE WAY OFF FARWELL STREET "GRADING AND DRAINAGE PLAN" NEWTON, MASSACHUSETTS

SHOWING PROPOSED CONDITIONS AT #56 FARWELL STREET

SCALE: 1in.=20ft. DATE: SEPTEMBER 5, 2017
REVISED: NOVEMBER 8, 2017

PROJECT: 217101

VTP ASSOCIATES INC.

LAND SURVEYORS - CIVIL ENGINEERS. 132 ADAMS STREET 2ND FLOOR SUITE 3 NEWTON, MA 02458 (617) 332-8271

SHEET 2 OF 9

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