

ZONING TABLE:					
ZONE: SINGLE RESID	ZONE: SINGLE RESIDENCE 2 (SR-2)				
	REQUIRED	EXISTING	PROPOSED		
LOT AREA	15,000 S.F. (MIN)	14,320 S.F.	14,320 S.F.		
FRONTAGE	100' (MIN)	84.00'	84.00'		
FRONT SETBACK	30' (MIN)	27.8'	32.6'		
SIDE SETBACK	15' (MIN)	7.2'	7.9'		
REAR SETBACK	15' (MIN)	121.2'	93.0'		
BUILDING HEIGHT	36' (MAX)	_	32'		
AVERAGE GRADE	_ ` ´	-	141.25		
LOT COVERAGE	20% (MAX)	11.8%	19.8%		
OPEN SPACE	65% (MIN)	83.5%	65.5%		

MITIGATION PLANTING SCHEDULE (2,075 S.F.)		
PERENNIALS/CROUND COVER	QUANTITY	HEIGHT
HAY SCENTED FERN (Dennstaedtia punctilobula) CANADA MAYFLOWER (Maianthemum canadense) RUNNING FOAMFLOWER (Tiarella cordifolia) MARGINAL FERN (Dryopteris marginalis) VIRGINIA CREEPER (Parthenocissus quinquefolia) WOOD ASTER (Eurybia divaricata) BEE BALM (Morada punctata) WOODLAND SUNFLOWER (Helianthus divaricatus) PRAIRIE DROPSEED (Sporobolus heterolepis)	12 12 4 4 4 5 3 3	2 QT 3 IN 1 QT 2 QT 2 GAL 2 QT 2 QT 1 GAL 1 GAL
SHRUBS		
STEEPLEBUSH (Spiraea tomentosa) HOLLY (Ilex opaca) INKBERRY (Ilex glabra) RHODODENDRON (Rhododendron maximum) RHODODENDRON (Rhododendron prinophyllum) MEADOWSWEET (Spiraea alba) SWEET PEPPERBUSH (Clethra alnifolia 'Hummingbird) SHRUBBY CIQUEFOIL (Potentilla fruticosa)	3 4 4 3 3 6 6 6	2 GAL
TREES		
SUGAR MAPLE (Acer saccharum)	3	2.5 - 3 IN

RIPARIAN AREA::

TOTAL RIIPARIAN AREA ON LOT = 8,350 S.F.

TOTAL RIPARIAN AREA TEMPORARILY DISTURBED = 7,450 S.F.

0-100' = 240 S.F.

100'-200' = 7,210 S.F.

EXISTING IMPERVIOUS AREA = 2,361 S.F. PROPOSED IMPERIOUS AREA = 4,430 S.F. INCREASE IN IMPERVIOUS AREA = 2,069 S.F.

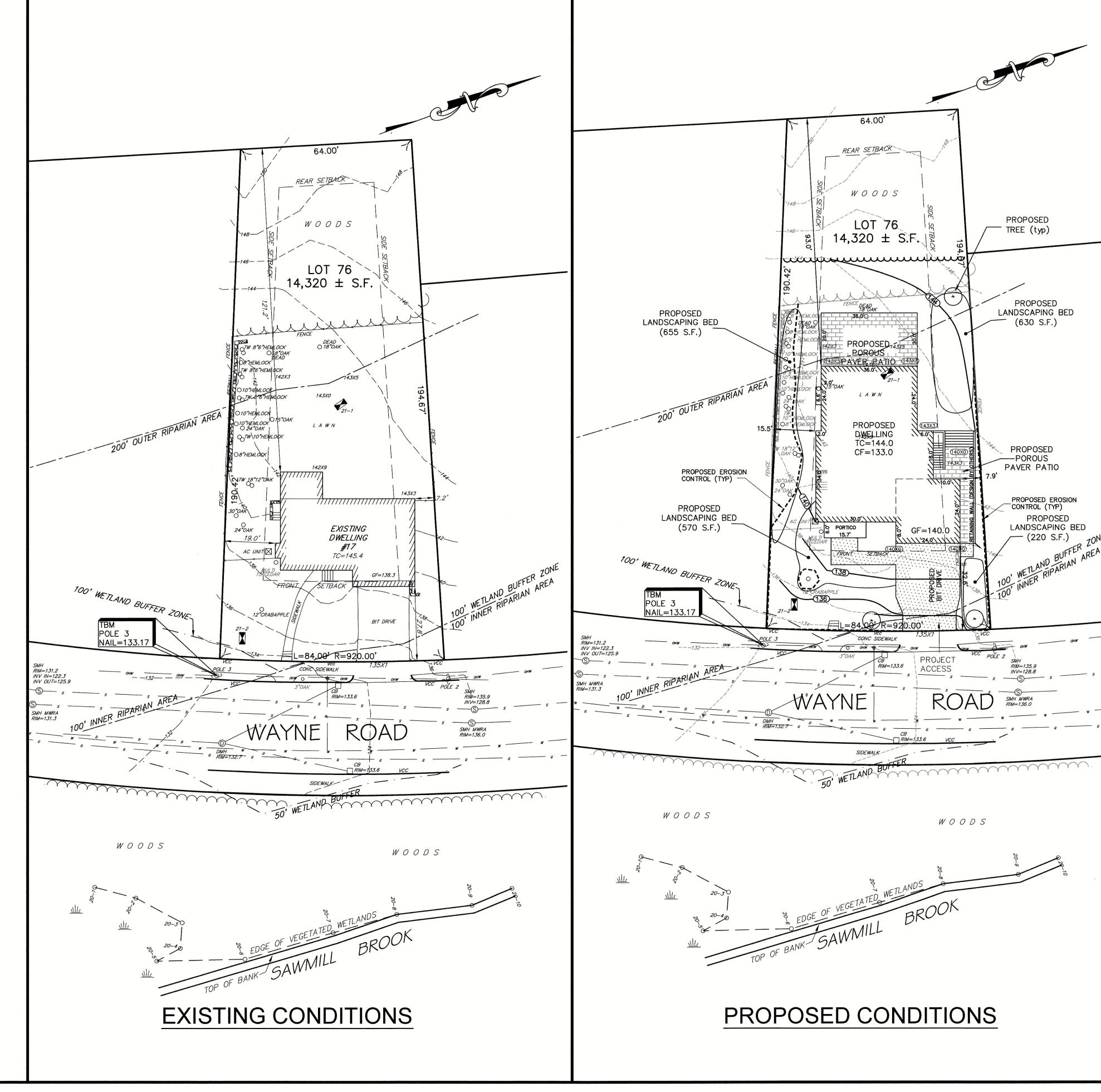
RIPARIAN AREA CALCULATIOS:

	HOUSE	DRIVE/WALK	PATIO	LAWN	TOTAL	(IMPERVIOUS)
EXISTING CONDITIONS	1,695 S.F.	666 S.F.	0	5,089 S.F.	7,450 S.F.	(2,361 S.F.)
PROPOSED CONDITIONS	3,257 S.F.	958 S.F.	215 S.F.	3,020 S.F.	7,450 S.F.	(4,430 S.F.)

LEGEND VCC (VERTICAL CONCRETE CURB DRAIN LINE DRAINAGE MANHOLE CATCH BASIN SEWER LINE SEWER MANHOLE WATER LINE HYDRANT WATER GATE WATER SHUT OFF GAS LINE GAS GATE UTILITY POLE OHW (OVERHEAD WIRES) ----OHW----- \blacksquare TEST PIT .WOODS LINE 200X0 SPOT ELEVATION (EXISTING) SPOT ELEVATION (PROPOSÉD) CONTOUR (EXISTING) —*—200*— — CONTOUR (PROPOSED)

TEST	PIT	LOGS

DEEP	HOLE - 21-	1		DEEP	HOLE - 21-2	2
HORIZ	DATE: 4/2/21	ELEV.	-	HORIZ	DATE: 4/2/21	ELEV.
DEPTH	SOIL DESCRIPTION			DEPTH	SOIL DESCRIPTION	
0"	A SANDY LOAM	143.0		0"	A SANDY LOAM	134.9
6"	10YR2/2	142.5		6"	10YR3/2	134.4
16"	FILL	141.7			FILL	
	Bw SANDY LOAM		· .	45"		131.1
31"	10YR4/4	140.4			C1 LS	
	C2 LS 2.5Y5/2				2.5Y6/3	
53"	REFUSAL @ 53"	138.6		65"		129.5
CERTIFIED SOIL EVALUATOR : CHRISTOPHER N. GABORIAULT						

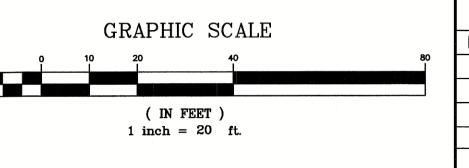




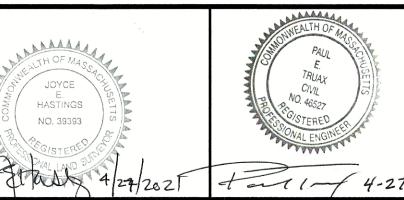
NOTE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.

DIGSAFE IS TO BE NOTIFIED 72 WORKING HOURS IN ADVANCE OF CONSTRUCTION.

DIGSAFE 1-888-344-7233



	REVISIONS			FLD.: RC, ML
	No.	DATE	DESCRIPTION	T(O, IVIL
80				DRW.: CNG
				CHKD.: JEH





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PROPOSED SITE PLAN

17 WAYNE ROAD
NEWTON, MASSACHUSETTS
PREPARED FOR:
JAMIE OVADIA
17 WAYNE ROAD

NEWTON, MA

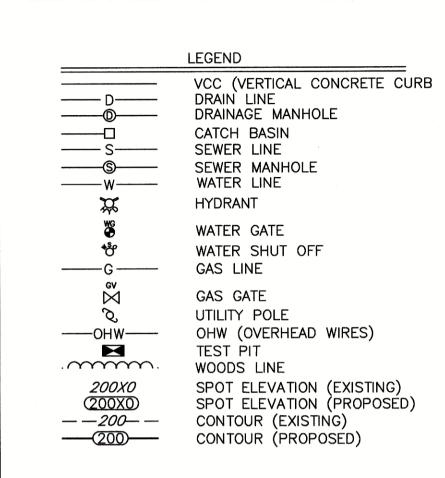
JOB No. 16853

DATE: 4/27/21

SCALE: 1"=20'

SHEET: 1 of 3

PLAN #: 27,488



1. Prior to an occupancy permit being issued, an As-built Plan should be submitted to the Engineering Department in both digital format and hard copy. The plan should show all utilities and inverts, any easements and final

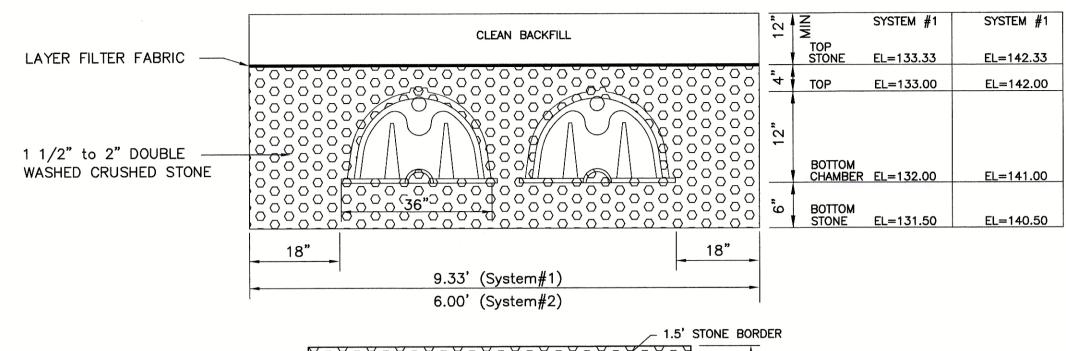
- 2.If a certificate of occupancy is requested prior to all site work being completed, the applicant will be required to post a certified bank check in the amount to cover the remaining work. The City Engineer shall determine the value of the uncompleted work.
- 3. The contractor needs to notify the Engineering Department 48 hours in advance and schedule an appointment to have the drainage system, water and sewer services inspected. The system and utilities must be fully exposed for the inspector. Once the inspector is satisfied, the system and utilities may be back filled.
- 4. The applicant must apply for a Street Opening and Utilities Connection Permit as well as a sidewalk crossing permit with the DPW.
- 5. The utilities shown were compiled from field locations and available plans of utility companies and may not be correct. The contractor is to contact dig safe and all utility companies as required prior to any excavation.
- 6. All shall be done in accordance with "City of Newton Standard Specifications" and "City of Newton Construction Details", copies of which may be obtained at the Engineering Office. All work shall be subject to inspection and approval by the City of Newton Engineering Department.
- 7. The Contractor shall provide Police Details for the direction and control of traffic, as required by the city engineer. All roads effected by construction shall remain open to emergency vehicles at all times. The Contractor is to coordinate with Police and Fire Department to ensure public safety.
- 8. An erosion control barrier shall be in place prior to any construction and must be contained on site.
- 9. The existing water and sewer services shall be cut and capped at the mains and completely removed from the site and properly back filled. The Engineering Division must inspect this work, failure to having this work inspected may result in the delay of issuance of the Utility Connection
- 10. The new sewer services and structures will need to be pressure tested as feasible prior to acceptance. The proposed sewer line that can not be tested shall be video taped and submitted to the inspector.
- 11. As of January 1, 2009, all trench excavation contractors shall comply with Massachusetts General Laws Chapter 82A, Trench Excavation Safety Requirements, to protect the general public from unauthorized access to unattended trenches. Trench Excavation Permit required. This applies to all trenches on public and private property.
- 12. The contractor shall be responsible for all proposed grading as shown on the plan. Any variations to proposed grading shown and/or any changes to the proposed structure may result in non-compliance with zoning regulations.
- 13. Contractor to field verify all utilities prior to contruction.
- 14. All utility trenches with the exception of gas, within the City of Newton right-of-way will be backfield with Type IE (excavatable) controlled density fill, as specified by the City of Newton Engineering Specifications.
- 15. The proposed sewer service line will need to be pressure tested prior to use.
- 16. All roof drains are to be connected to proposed drywells.
- 17. Contractor must match existing curbing and sidewalk materials when abandoning the existing driveway entrance.
- 18. All construction activities within the City of Newton right-of-way must fully comply with all City of Newton Construction Specifications as well as 521 CMR 21.00 and 22.00.

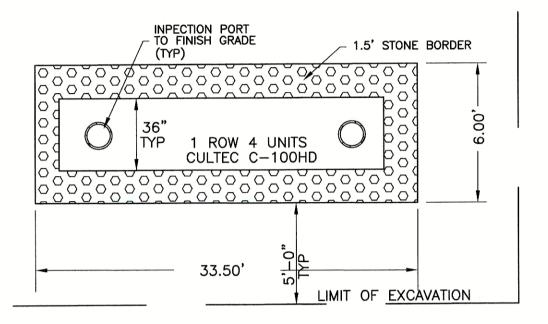
NOTE:

LIMIT OF EXCAVATION: (To extend 5 feet beyond limits of ALL FILL, SUBSOIL ('A' & 'B' Horizons) AND ANY DELETERIOUS MATERIAL MUST BE REMOVED FROM THE AREA OF THE LEACHING SYSTEM AND OTHER DESIGNATED LIMITS AND BACKFILLED WITH APPROVED CLEAN BANK RUN GRAVEL GRADED SO NOT MORE THAN 45% OF THE SAMPLE IS RETAINED IN A #4 SIEVE, OF THAT PASSING, 20% OR LESS SHALL PASS A #100 SIEVE AND 5% OR LESS SHALL PASS THE #200 SIEVE. NOT MORE THAN 90% SHALL BE RETAINED ON THE #50 SIEVE. SAMPLE FOR SIEVE ANALYSIS TO BE TAKEN FROM SAMPLE IN

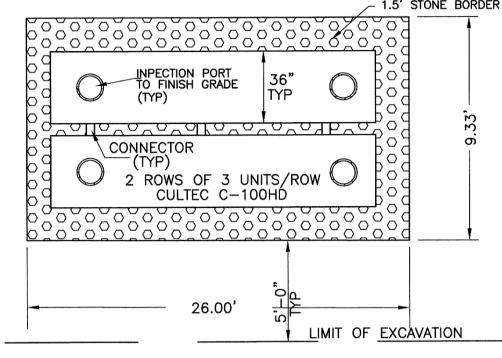
GENERAL NOTES

ALL RECHARGER MODEL V8 CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. REFER TO CULTEC INC'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.





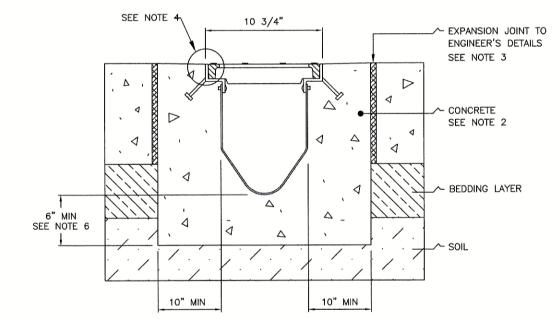
RECHARGE SYSTEM #2



RECHARGE SYSTEM #1

STORMWATER RECHARGE SYSTEM CULTEC C-100HD MODEL

N.T.S.



1. It is necessary to ensure the minimum dimensions shown are suitable for the existing ground conditions. Engineering advice may be required.

2. A minimum concrete strength of 3000 PSI is recommended. The concrete should be vibrated to eliminate air pockets.

3. Expansion and crack control joints are recommended to protect the channel and the concrete surround. Engineering advice 4. The finished level of the concrete surround must be approx. 1/8" above the top of the channel edge.

SPECIFICATION CLAUSE FG200 Trench Drain System

The surface drainage system shall be Fiberglass FG200 channel system with steel frame as manufactured by ACO Polymer Products, Inc., Chardon, Oh.

5. Refer to ACO'S latest installation instructions for complete details.

6. Concrete base thickness should match slab thickness.

Channels will be manufactured from polyester resin fiberglass with either painted steel or galvanized steel frame. Frame shall be made The system shall be 8 inches (203mm) nominal inside width with a 10.75 in. (273mm) overall width and a built-in slope of 1.04%.

All channels shall be interlocking with a male/female lap joint. The complete drainage system shall be by ACO Polymer Products, Inc. Any deviation or partial system design and/or improper void any and all warranties provided by ACO Polymer Products. Inc.

intended application. Grates shall be secured to frame utilizing two bolts. Channel and grate shall be independently certified to meet

The fiberglass shall have a compressive strength of 16,000 psi, tensile strength of 16,400 psi, flexural strength of 24,000 psi and the absorption rate of nil. The fiberglass shall be resistant to prolonged salt exposure, repetitive frost cycles and chemically resitant to

The system shall be installed in accordance with the manufacturer's instructions and recommendations. *Fill in as required.

TRENCH DRAIN DETAIL N.T.S. ACO DRAIN FG200 TRENCH DRAIN SYSTEM OR APPROVED EQUAL

minimum and a second PROPOSED SYSTEM#2 LEACHING CHAMBERS (SEE DETAIL) _ROROUS 3X3PAVER PATIO PROPOSED DWELLING TC=144.0PROPOSED CF=133.0 -POROUS PAVER PATIO PROPOSED EROSION INV=130.5± 9 CONTROL (TYP) PROPOSED DMH PROPOSED EROSION RIM = 135.8CONTROL (TYP) INV(IN)=133.5INV(OUT)=133.3 PROPOSED SYSTEM#1 LEACHING CHAMBERS 100' WETLAND BUFFER ZONE PROPOSED TRENCH EL=136.0 INV=134.5 NAIL=133.17 SMH RIM=131.2 INV IN=122.3 INV OUT=125.9 ACCESS SMH MWRA RIM=131.3 PROPOSED SEWER CONNECTION INV=127.3± WOODSWOODS

WOODS

LOT 76

 $14,320 \pm S.F.$

PRECAST DEEP SUMP MANHOLE DETAILS

NOTES: 1. NO BELL ENDS IN CATCH BASIN. CONNECTIONS TO BE TIGHTLY SEALED WITH MORTAR.

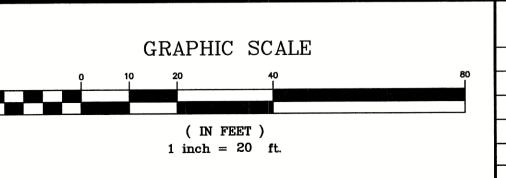
2. CATCH BASINS SHALL BE EQUIPED OIL ABSORBENT PILLOWS.

SQUARE OPENING

48"± 1" DIAMETER

----8" MIN.

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INLET

REVISIONS			FLD.: RC, ML
No.	DATE	DESCRIPTION	DRW.:
			- CHKD.: - JEH

STANDARD MANHOLE FRAME & COVER

TO BE 24" ROUND STEEL EQUAL

TO READ "DRAIN".

TO LeBARON NO. 268-3. COVER

BRICKS MAY BE USED FOR

GRADE ADJUSTMENTS (12

LFULL BED OF MORTAR.

-BUTYL RUBBER

OUTSIDE OF PIPE ()+2" CLEARANCE

DESIGNATION M199

PROVIDE NEENAH R-3705 GAS TRAP

----6" OF 1/2"-3/4"

- CRUSHED STONE

PER VERTICAL FT. PLACED

ACCORDING TO AASHTO

MAX.) FRAME TO BE SET IN

PROVIDE "V" OPENINGS



GLM Engineering Consultants, Inc. 19 EXCHANGE STREET HOLLISTON, MA 01746 P: 508-429-1100 F: 508-429-7160

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PROPOSED SITE PLAN 17 WAYNE ROAD NEWTON, MASSACHUSETTS JAMIE OVADIA

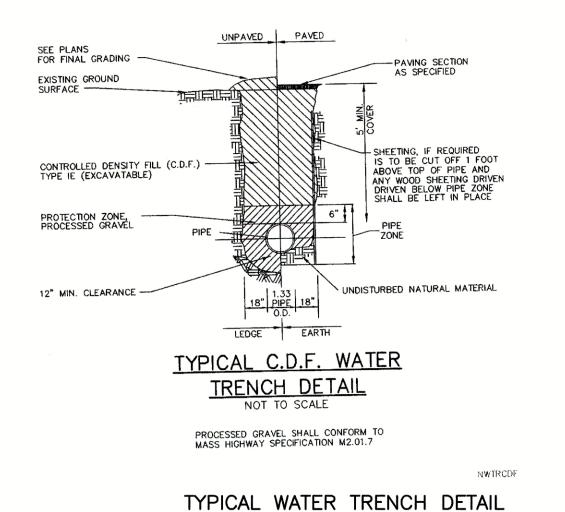
17 WAYNE ROAD

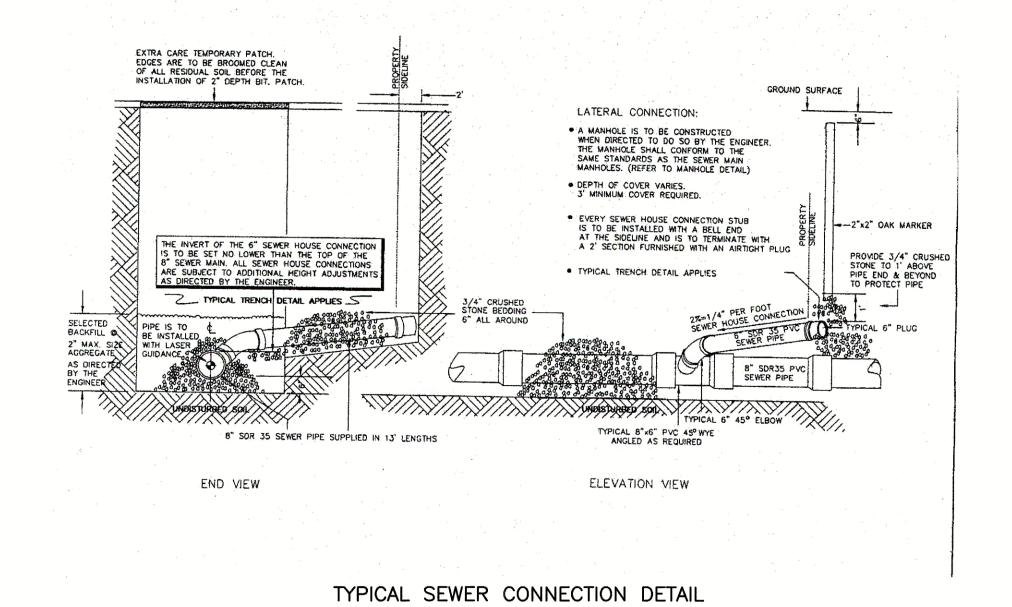
NEWTON. MA

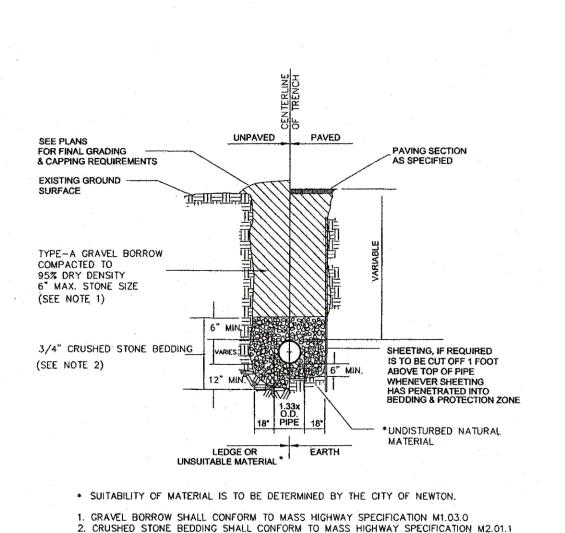
PROPOSED UTILITY PLAN

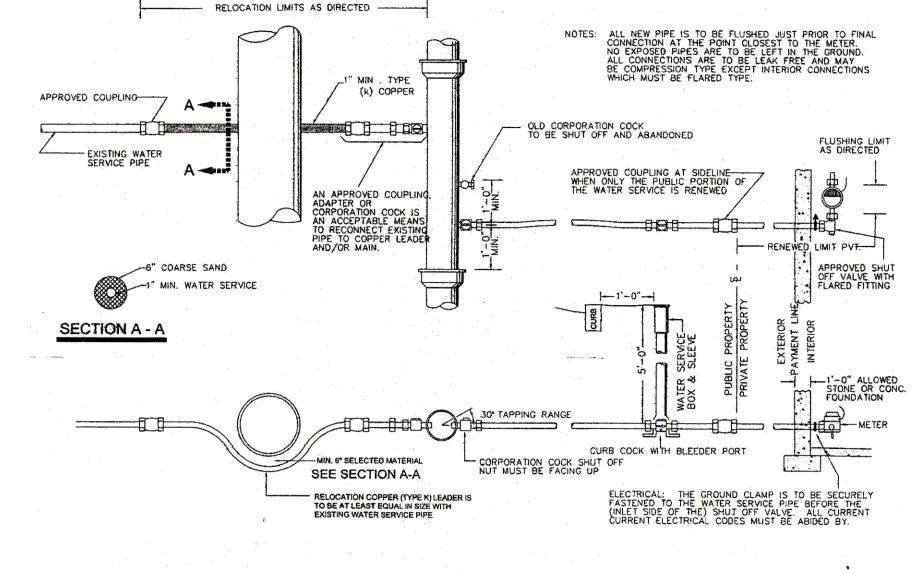
JOB No. 16853 4/27/21 DATE: 1"=20' SCALE: 2 of 3 SHEET: PLAN #: 27,488

CITY OF NEWTON OCTOBER 20, 2000



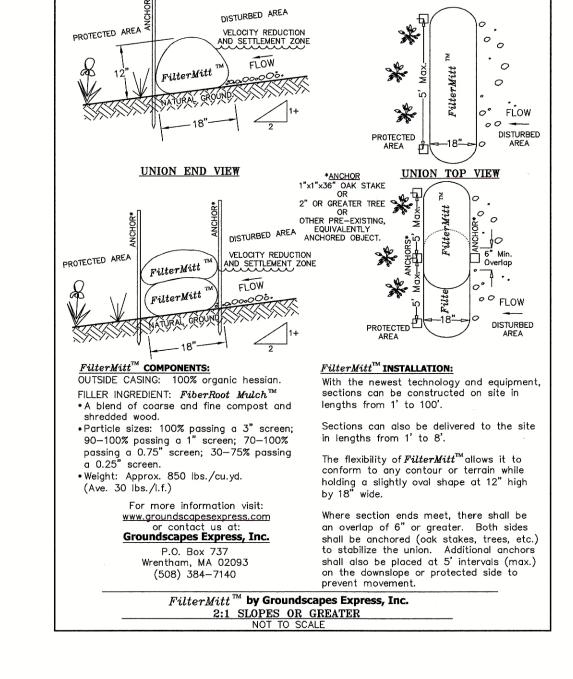






TYPICAL SEWER TRENCH DETAIL

TYPICAL WATER SERVICE CONNECTION DETAIL



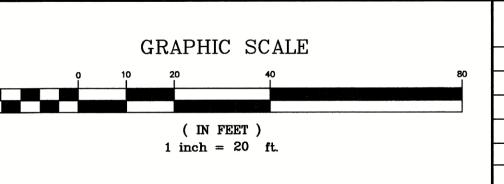
SECTION TOP VIEW

SECTION END VIEW

DETAILS

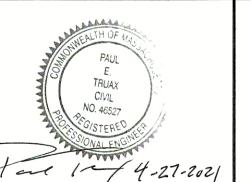


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E	REVISIONS			
E. 80	No.	DATE	DESCRIPTION	RC, ML DRW.:
				CNG
				CHKD.: JEH
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Engineering Consultants, Inc.

19 EXCHANGE STREET
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www.GLMengineering.com

PROPOSED SITE PLAN

17 WAYNE ROAD NEWTON, MASSACHUSETTS

JAMIE OVADIA 17 WAYNE ROAD NEWTON, MA

JOB No.	16853
DATE:	4/27/21
SCALE:	1"=20'
SHEET:	3 of 3
PLAN #:	27,488