

SITE PLAN
175 EAST CENTRAL STREET
FRANKLIN MASSACHUSETTS



LOCUS MAP
SCALE: 1" = 100'

WAIVER REQUESTED:
1. TO ALLOW LESS THAN 42" OF COVER OVER THE RCP DRAIN PIPE. PROPOSED CLASS V RCP.
2. TO ALLOW THE USE OF HDPE PIPE FOR THE, ROOF DRAIN MANIFOLDS AND POND 1.
3. TO ALLOW MINIMAL LIGHT SPILLAGE ONTO THE CHESTNUT STREET RIGHT OF WAY.

ZONING:

THE FRANKLIN FORD SITE IS LOCATED WITHIN A COMMERCIAL II ZONE.

INDUSTRIAL ZONE	REQUIREMENTS:	EXISTING	PROPOSED
AREA:	40,000 S.F.	226,697± S.F.	226,697± S.F.
FRONTAGE:	175'	243.21'	243.21'
DEPTH:	200'	759'±	759'±
HEIGHT:	3 STORIES 40'	21.1'	21.1' - 1 STORY
WIDTH:	157.5'	> 157.5'	> 157.5'
COVERAGE - STRUCTURES:	70%	12.1%	15.6%
STRUC. & PAVING:	80%	66.6%	76.3%
SETBACKS- FRONT:	40'	55.9'	55.9'
RIGHT SIDE:	30'	54.1'	37.2'
LEFT SIDE:	30'	20'	20'
REAR:	30'	37.8'	37.8'

LOT COVERAGE CALCULATION AREA BASED ON UPLAND AREA

THE ENTIRE PROPERTY IS LOCATED WITHIN A FRANKLIN WATER RESOURCE DISTRICT AND A DEP ZONE II. THE SITE AREA PROPOSED FOR DEVELOPMENT IS LOCATED IN A ZONE X BASED ON FEMA FIRM MAP 25021C0309E DATED JULY 17, 2012.

AREA WITHIN THE WATER RESOURCE DISTRICT - 226,697± SQ. FT.
UPLAND AREA WITHIN THE WATER RESOURCE DISTRICT - 177,773± SQ. FT.
IMPERVIOUS AREA WITHIN THE WATER RESOURCE DISTRICT - 135,580± SQ. FT.
COVERAGE WITHIN THE WATER RESOURCE DISTRICT - = 76.3%

FRANKLIN FORD:
BUILDING USE - AUTOMOBILE DEALERSHIP.

REFERENCES:
ASSESSORS MAP 285 PARCEL 090-000-000
DEED BOOK 28674 PAGE 487
ASSESSORS MAP 285 PARCEL 092-000-000
DEED BOOK 3788 PAGE 197
PLAN 826 OF 1997
LIMITED SITE PLAN FRANKLIN FORD, LLC DATED SEPTEMBER 11, 2013 AND ENDORSED ON OCTOBER 21, 2013.

DRAWING INDEX

1. COVER SHEET
 2. EXISTING CONDITIONS PLAN
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 4. SITE GRADING AND UTILITY PLAN
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 7. CONSTRUCTION DETAILS - 1
 8. CONSTRUCTION DETAILS - 2
- SITE LIGHTING-LIGHTING PLAN,
PHOTOMETRICS AND SCHEDULES
BY SK & ASSOCIATES

OWNERS:
MAP 285 PARCEL 090-000-000
FRANKLIN FORD, LLC
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS

MAP 285 PARCEL 092-000-000
HERBERT CATALANO
9 CHESTNUT STREET
FRANKLIN, MASSACHUSETTS

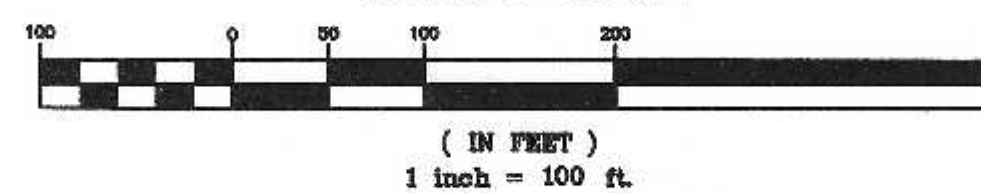
APPLICANT:
FRANKLIN FORD, LLC
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS

SITE PLAN
COVER SHEET
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
PREPARED FOR
FRANKLIN FORD, LLC
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
APRIL 14, 2022
SCALE: 1" = 40'

SITE PLAN APPROVAL
REQUIRED
FRANKLIN PLANNING BOARD

DATE

GRAPHIC SCALE



NO. DATE DESCRIPTION

BY

CARLOS A. QUINTAL P.E. #30812

DATE	FIELD BY:	INT.
8/21	FIELD BOOK	BL
BK#	FIELD BOOK	PG#
4/22	CALCS BY:	RRG
4/22	DESIGNED BY:	RRG
4/22	DRAWN BY:	COMP
4/22	CHECKED BY:	CAQ

UNITED
CONSULTANTS
INC.
850 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-8560 FAX 508-384-8566

DATE
APRIL 14, 2022
SCALE
1" = 200'
PROJECT
UC1007
SHEET
1 of 8

MARCH 25, 2022
PERFORMED BY:
CARLOS A. QUINTAL, P.E., SOIL EVALUATOR
RICHARD GOODREAU

TP #1 ELEV. = 90.35
0 - 76" MISCELLANEOUS FILL
76" - 140" C - 2.5 YR 4/4 STRATIFIED
SAND & GRAVEL
ELEV = 78.68

NO GROUNDWATER OR MOTTILING OBSERVED
PT 1 ELEV. = 83.85
PERMEABILITY RATE = 26.88 IN/HR

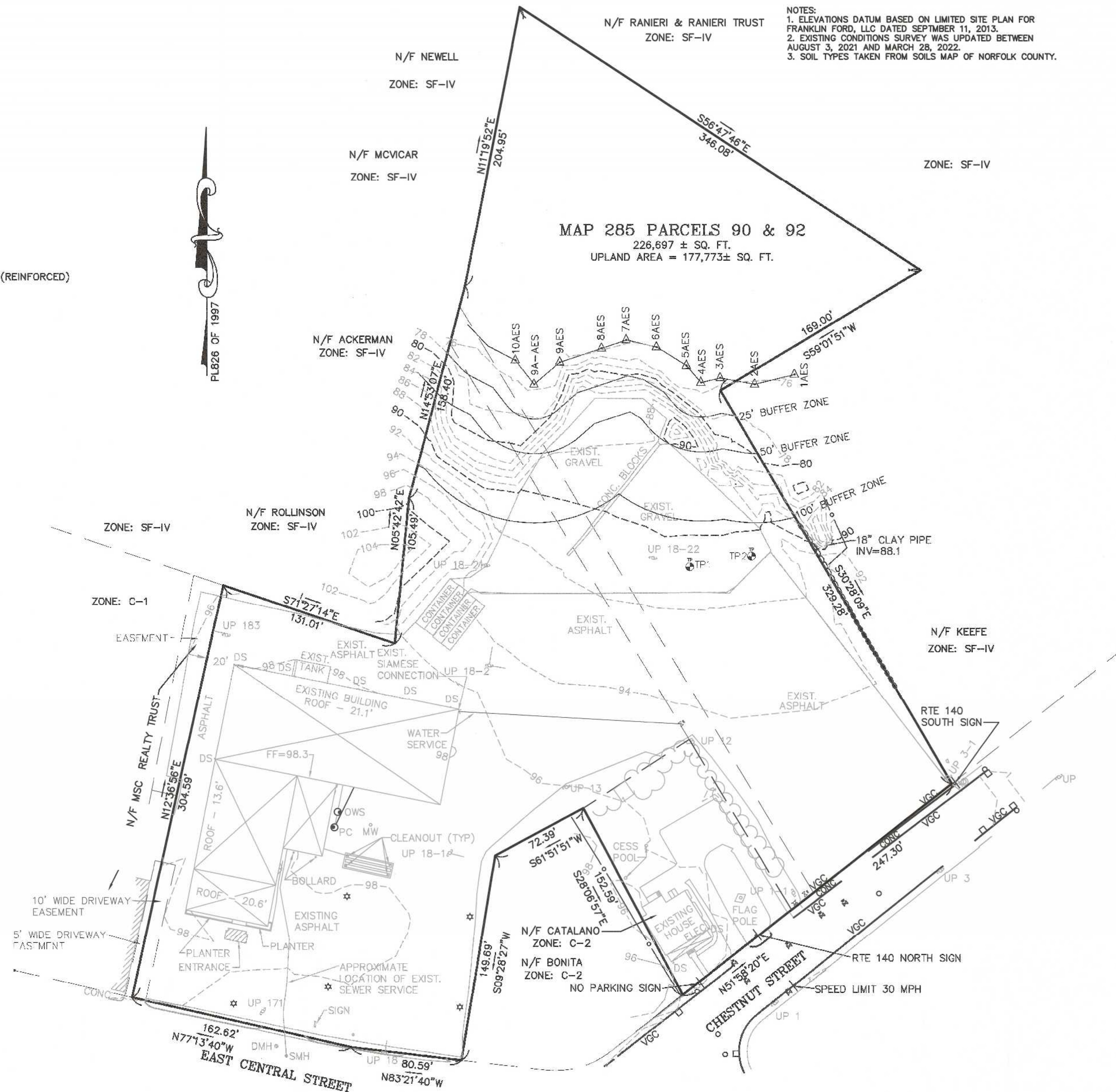
TP #2 ELEV. = 90.6
0 - 36" MISCELLANEOUS FILL
36" - 120" C - 2.5Y 6/4 MEDIUM SAND
ELEV = 80.6
NO GROUNDWATER OR MOTTILING OBSERVED
PT 2 ELEV. = 90.43
PERMEABILITY RATE = 11.16 IN/HR

LEGEND:

- SBDH DRILL HOLE STONE BOUND
- SSM STEEL SURVEY MARKER
- 297--- EXISTING COUNTOUR
- 297- PROPOSED COUNTOUR
- x274.3 SPOT GRADE - PROPOSED
- EXIST. TREE LINE
- P-262 UTILITY POLE
- OHW --- OVERHEAD WIRES
- ⊗ GAS GATE
- ⊗ WATER CURB STOP
- ⊗ WATER GATE
- ⊗ FIRE HYDRANT
- ⊗ DRAIN MANHOLE
- ⊗ CATCH BASIN
- ⊗ SEWER MANHOLE
- CO CLEANOUT
- D DUMPSTER
- VCC VERTICAL CONCRETE CURBING (REINFORCED)
- VGC VERTICAL GRANITE CURBING
- ⊗ HANDICAP PARKING SPACE
- ⊗ BUILDING MOUNTED LIGHT
- ⊗ POLE MOUNTED LIGHT
- R=5' CURB RADIUS
- ⊗ PARKING SPACE COUNT
- ⊗ SIGN
- ⊗ BOLLARD

NOTES:

- ELEVATIONS DATUM BASED ON LIMITED SITE PLAN FOR FRANKLIN FORD, LLC DATED SEPTEMBER 11, 2013.
- EXISTING CONDITIONS SURVEY WAS UPDATED BETWEEN AUGUST 3, 2021 AND MARCH 28, 2022.
- SOIL TYPES TAKEN FROM SOILS MAP OF NORFOLK COUNTY.



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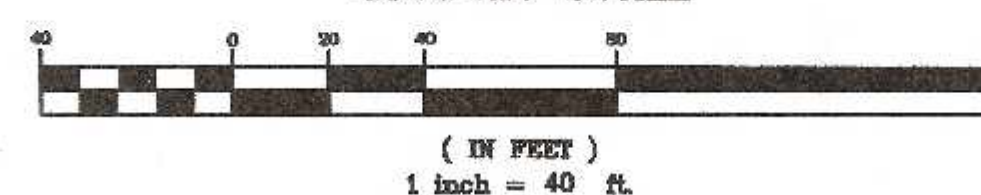
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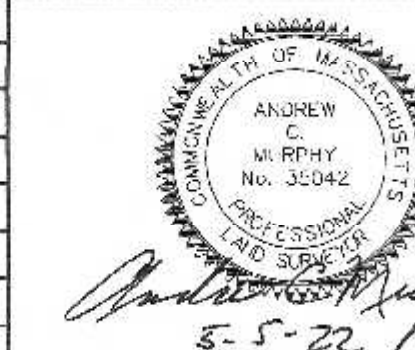
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(IN FEET)
1 inch = 40 ft.



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SECTION 185-40 WATER RESOURCE DISTRICT:
1. THE APPLICANT WILL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATION WITH RESPECT TO STORAGE OR DISPOSAL OF TOXIC OR HAZARDOUS MATERIALS, INCLUDING STORAGE WITHIN THE INDUSTRIAL WASTE WATER HOLDING TANK.
2. CONSTRUCTION FILL IN EXCESS OF 15 CUBIC YARDS MUST COMPLY WITH SECTION 185-40.E.(5).

NOTES:
1. CONTRACTOR TO CONTACT DIGSAFE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES TO UNITED CONSULTANTS, INC.
3. ALL WORK SHALL CONFORM TO THE TOWN OF FRANKLIN DPW STANDARDS.

SNOW AND ICE NOTES:
1. PARKING SPACES ABOVE THE REQUIRED NUMBER OF SPACES TO BE USED FOR ADDITIONAL SNOW STORAGE.
2. NO DISPOSAL AND OR STOCKPILING OF SNOW AND ICE THAT CONTAINS DEICING CHEMICALS SHALL BE BROUGHT TO THE SITE FORM OUTSIDE THE DISTRICT. SEE ZONING BYLAW SECTION 185-40.D.(1)(f)

WETLAND BUFFER ZONE DISTURBANCES:
0 - 25' BUFFER ZONE = 0 SQ. FT.
25' - 50' BUFFER ZONE = 1,429 SQ. FT.
50' - 100' BUFFER ZONE = 8,501 SQ. FT.
IMPERVIOUS SURFACE WITHIN THE 50' - 100' BUFFER ZONE = 10%

THERE ARE NOT ANY VERNAL POOLS WITHIN 100 FEET OF ANY PROPOSED WORK.

UTILITY NOTES:
1. DOMESTIC WATER SUPPLY SHOWN FOR LOCATION ONLY.
2. ELECTRIC, TELEPHONE AND CABLE TV LOCATIONS TO BE DETERMINED BY THE APPROPRIATE UTILITY COMPANIES.
3. THE DESIGN ENGINEER SHALL INSPECT THE EXCAVATION OF THE STORMWATER INFILTRATION POND PRIOR TO ANY FILL OR STONE BEING PLACED.

DRAINAGE PIPING NOTES:

1. ALL RCP PIPE TO BE CLASS V.
2. HDPE PIPE TO BE ADS OR APPROVED EQUAL.
3. 8" ROOF DRAIN TO BE SCH 40 PVC
4. WHERE HDPE PIPE CONNECTS TO RCP PIPE INSTALL A FERNCO LDC 10 37.00 X 32.00 COUPLING. (OR APPROVED EQUAL)

PROPOSED DRAINAGE STRUCTURE SCHEDULE:

CB 1	RIM = 84.55	INV OUT = 90.55 12" RCP	DMH 1	RIM = 91.7	INV IN = 87.57 12" RCP	INV OUT = 87.47 12" RCP
CB 2	RIM = 92.5	INV OUT = 88.47 12" RCP	DMH 2	RIM = 92.5	INV IN = 86.55 12" RCP	INV OUT = 86.05 18" RCP
CB 3	RIM = 89.90	INV OUT = 86.58 12" RCP	DMH 3	RIM = 89.3	INV IN = 86.17 12" RCP	INV OUT = 85.67 18" RCP
CB 4	RIM = 89.2	INV OUT = 86.19 12" RCP	WQU 4	RIM = 89.5	INV IN = 85.55 18" RCP	INV OUT = 85.55 18" HDPE
CB 5	RIM = 89.6	INV OUT = 86.8 12" RCP	FES 1	INV = 92.34		
			FES 2	INV = 82.00		

WATER AND ELECTRIC SERVICES - TO BE VERIFIED IN THE FIELD AND REDIRECTED AS NECESSARY. FLOOR DRAINS TO DISCHARGE TO EXISTING FLOOR DRAIN INSIDE BUILDING. ROOF DRAINS TO BE COLLECTED AND DISCHARGED, AS SHOWN ON PLAN.

LEGEND:

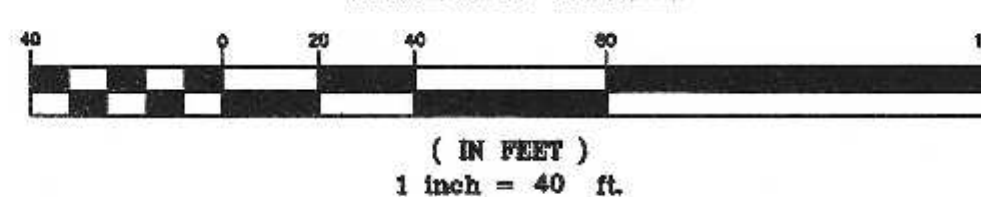
SBDH	DRILL HOLE STONE BOUND	□	CATCH BASIN
SSM	STEEL SURVEY MARKER	⊙	SEWER MANHOLE
-297-	EXISTING CONTOUR	CO	CLEANOUT
-297-	PROPOSED CONTOUR	D	DUMPSTER
x274.3	SPOT GRADE - PROPOSED	VCC	VERTICAL CONCRETE CURBING (REINFORCED)
—	EXIST. TREE LINE	VGC	VERTICAL GRANITE CURBING
P-262	UTILITY POLE	⊙	HANDICAP PARKING SPACE
—OHV—	OVERHEAD WIRES	★	BUILDING MOUNTED LIGHT
⊗	GAS GATE	★	POLE MOUNTED LIGHT
⊗	WATER CURB STOP	R=5'	CURB RADIUS
⊗	WATER GATE	⑤	PARKING SPACE COUNT
⊗	FIRE HYDRANT	—	SIGN
⊗	DRAIN MANHOLE	OB	BOLLARD

NOTE:
ALL VERTICAL CONCRETE CURBING TO BE REINFORCED.

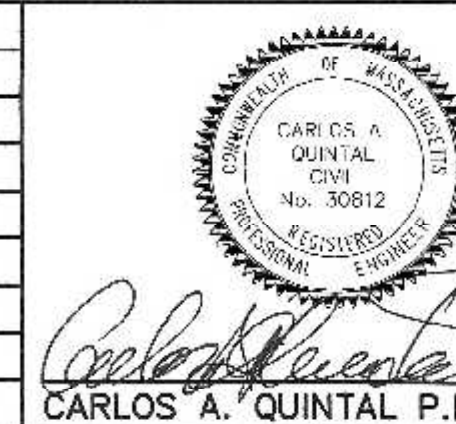
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SITE PLAN
GRADING & UTILITIES
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
PREPARED FOR
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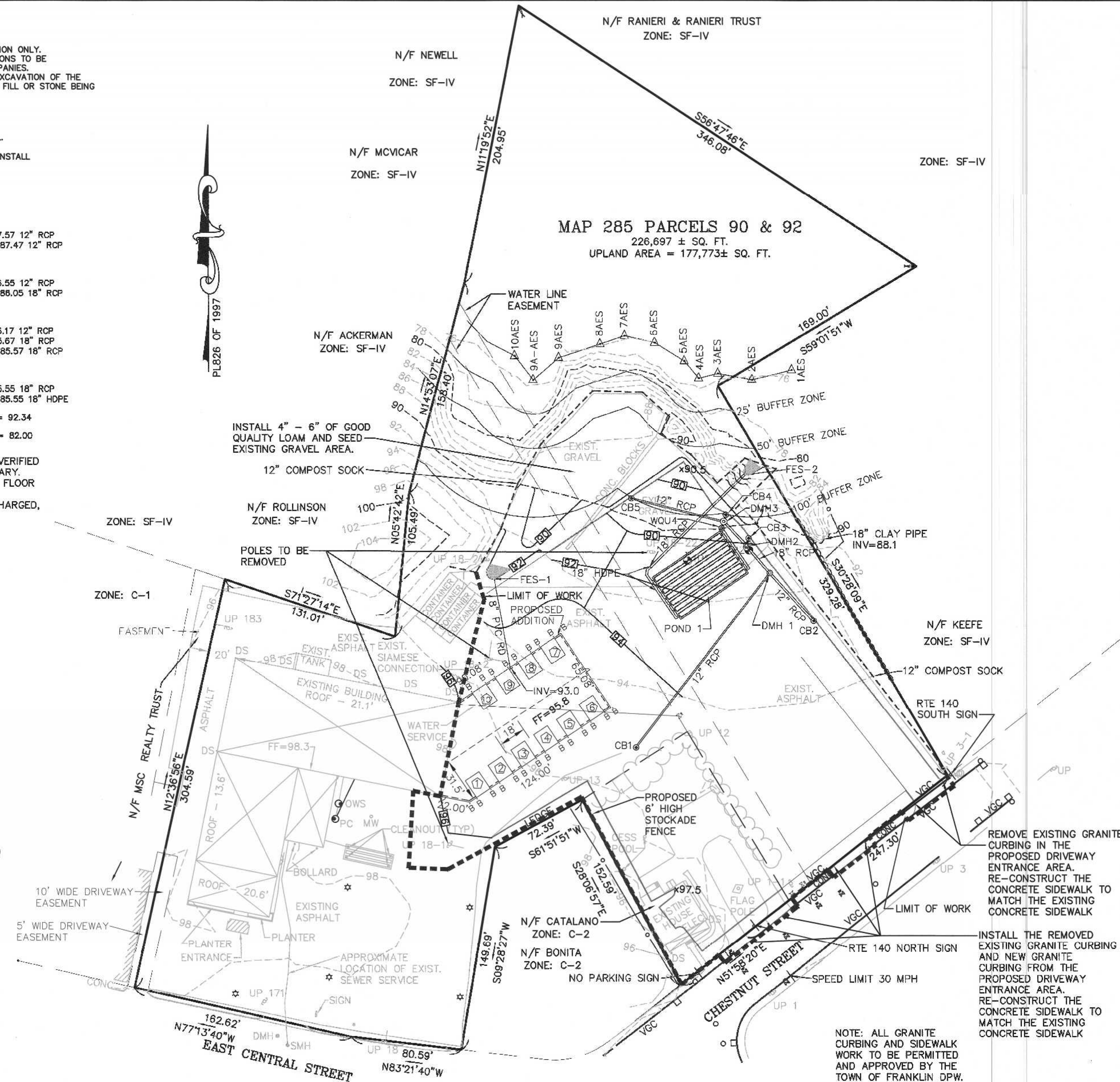
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APPLICANT:
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REMOVE EXISTING GRANITE CURBING IN THE PROPOSED DRIVEWAY ENTRANCE AREA. RE-CONSTRUCT THE CONCRETE SIDEWALK TO MATCH THE EXISTING CONCRETE SIDEWALK

INSTALL THE REMOVED EXISTING GRANITE CURBING AND NEW GRANITE CURBING FROM THE PROPOSED DRIVEWAY ENTRANCE AREA. RE-CONSTRUCT THE CONCRETE SIDEWALK TO MATCH THE EXISTING CONCRETE SIDEWALK

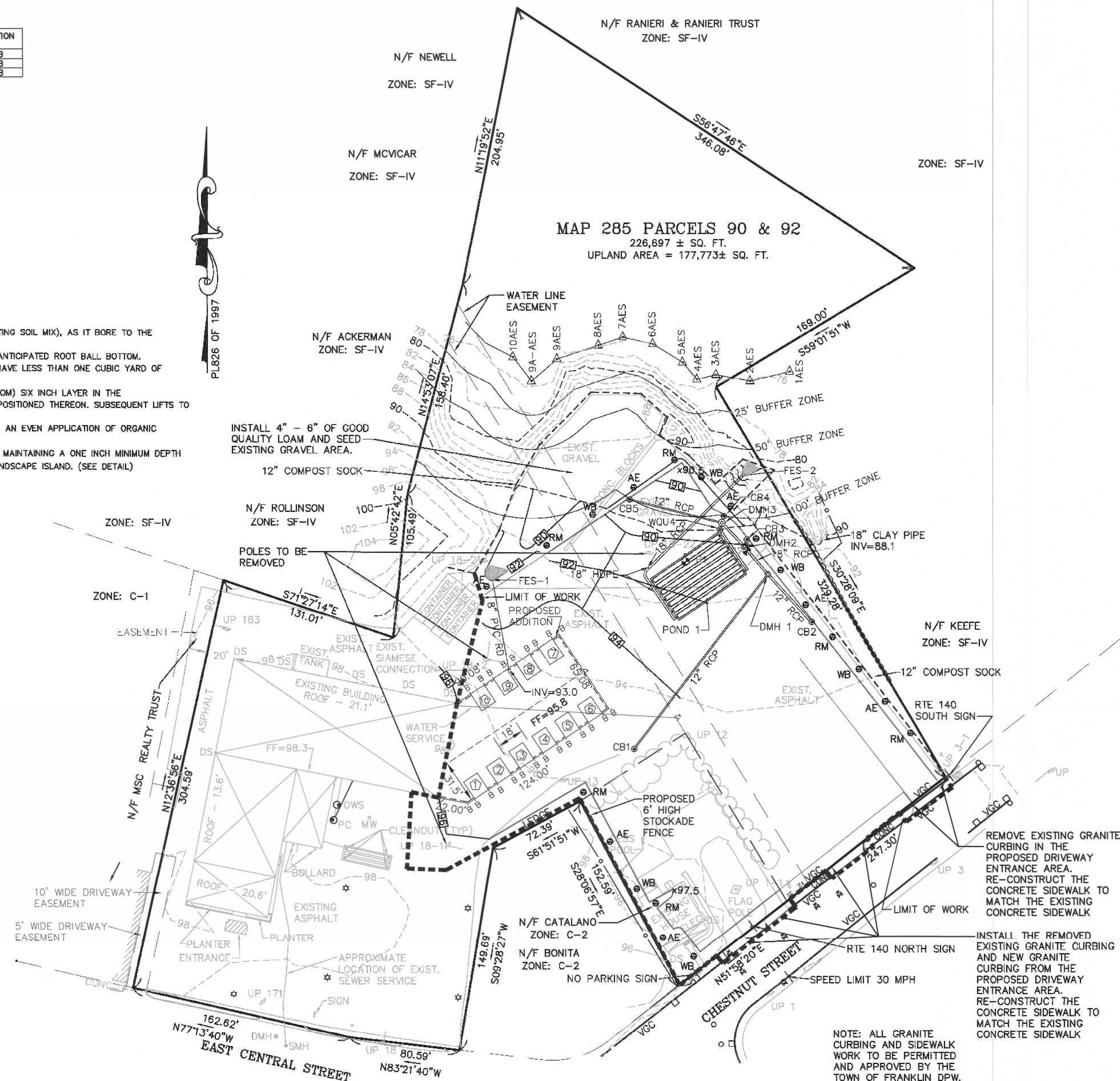
NOTE: ALL GRANITE CURBING AND SIDEWALK WORK TO BE PERMITTED AND APPROVED BY THE TOWN OF FRANKLIN DPW.



NUMBER	COMMON NAME	SCIENTIFIC NAME	SIZE	CONDITION
7	AMERICAN ELM -- AE	ULMUS AMERICANA	3"	B&B
7	RED MAPLE -- RM	ACER RUBRUM	3"	B&B
6	WHITE BIRCH -- WB	BETULA PAPPYRIFERA	4 - 6 FEET	B&B

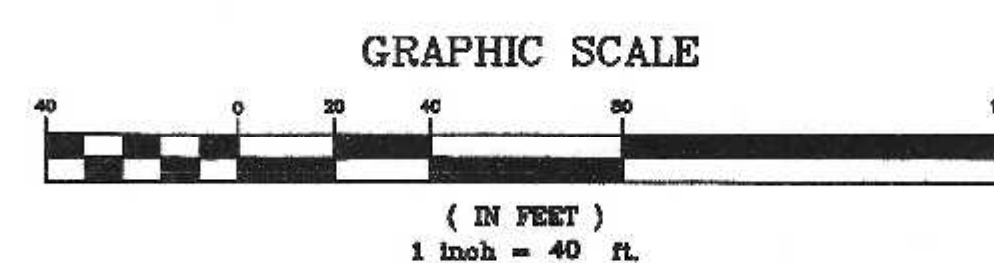
GENERAL SITE PLANTING NOTE:
ALL DISTURBED AREAS NOT COVERED WITH
BUILDING, ASPHALT PAVEMENT, CURBING, STONE,
RIPRAP OR GEOWEAVE SHALL HAVE 4" TO 6" OF
GOOD QUALITY LOAM COVERING THE AREAS AND
SHALL BE HYDROSEED.

1. PLANTING HOLE SHALL BE THREE TIMES ROOT BALL DIAMETER.
2. ALL INSTALLED PLANT MATERIAL SHALL BEAR THE SAME RELATIONSHIP TO FINISH GRADE (TOP OF PLANTING SOIL MIX), AS IT BORE TO THE NURSERY OR FIELD GRADE.
3. THE PLANTING HOLE DEPTH SHALL PROVIDE FOR A SIX INCH DEPTH OF PLANTING SOIL MIX BELOW THE ANTICIPATED ROOT BALL BOTTOM.
4. NOTWITHSTANDING THE REQUIREMENTS OF NOTES 1 & 3 ABOVE, NO PLANTING HOLE FOR TREES SHALL HAVE LESS THAN ONE CUBIC YARD OF PLANTING SOIL MIX.
5. PLANTING SOIL MIX SHALL BE A LOAM OR SANDY LOAM, AS DEFINED BY THE U.S.D.A. THE FIRST (BOTTOM) SIX INCH LAYER IN THE PRE-EXCAVATED PLANTING HOLE SHALL BE FIRMLY TAMPED TO PREVENT SETTLEMENT OF THE ROOT BALL POSITIONED THEREON. SUBSEQUENT LIFTS TO FINISH GRADE SHALL BE SIX INCH LOOSE LIFTS, EACH SETTLED BY THOROUGH SOAKING.
6. UPON ATTAINMENT OF FINISH GRADE WITHIN EACH PLANTING BED, THE GROUND SURFACE SHALL RECEIVE AN EVEN APPLICATION OF ORGANIC NON-PHOSPHORUS FERTILIZER APPLIED PER THE MANUFACTURERS RECOMMENDATIONS.
7. COVERED WITH A THREE INCH NOMINAL DEPTH OF SHREDDED CEDAR BARK (OR APPROVED EQUIVALENT), MAINTAINING A ONE INCH MINIMUM DEPTH AT THE BERM EDGE, AND IMMEDIATELY RISING TO A THREE INCH DEPTH ACROSS THE PLANTING BED OR LANDSCAPE ISLAND. (SEE DETAIL)



SITE PLAN
PLANTING PLAN
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
PREPARED FOR
FRANKLIN FORD, LLC
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
APRIL 14, 2022
SCALE: 1" = 40'

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[illegible]

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**UNITED
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OPERATION AND MAINTENANCE PLAN

CONSTRUCTION PHASE

1. THE OWNERS REPRESENTATIVE, NAME AND PHONE NUMBER TO BE PROVIDED, SHALL BE THE RESPONSIBLE PARTY FOR THE STORMWATER MAINTENANCE PLAN.
2. THE SITE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES WEEKLY AND AFTER ALL RAIN EVENTS.
3. SEDIMENT SHALL BE REMOVED FROM COMPOST SOCK WHEN A MAXIMUM DEPTH OF 6" IS OBSERVED OR AS NEEDED.
4. CONSTRUCTION ENTRY MAT SHALL BE INSPECTED WEEKLY AND AFTER ALL RAIN EVENTS. SEE DETAIL FOR MAINTENANCE REQUIREMENTS.
5. DAMAGED OR DETERIORATED COMPOST SOCK AREAS SHALL BE REPLACED IMMEDIATELY.
6. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND ALL DISTURBED AREAS ARE STABILIZED.
7. SILT SAKS SHALL BE INSTALLED AT ALL CATCH BASINS EXISTING AND PROPOSED AND SHALL BE INSPECTED WEEKLY AND AFTER ALL RAIN EVENTS.
8. CLEANING OF SILT SAKS SHALL BE COMPLETED AS NECESSARY.
9. THE CDS UNIT SHALL BE CLEANED WITH A VACUUM TRUCK.

INSPECTION AND MAINTENANCE SCHEDULE:

1. INSPECTIONS SHALL BE CONDUCTED BY THE APPLICANTS ENGINEER, CONTRACTOR AND / OR REPRESENTATIVES OF THE TOWN AS NECESSARY. AT A MINIMUM INSPECTIONS SHALL BE CONDUCTED ON A MONTHLY BASIS.
2. MONTHLY INSPECTIONS SHALL INCLUDE THE PARKING LOT SURFACE TO DETERMINE IF ACCUMULATED SEDIMENTS ARE TO BE REMOVED.
3. INSPECTIONS OF THE WATER QUALITY UNIT TO DETERMINE DEPTH OF SEDIMENT AND REQUIRED CLEANING.
4. INSPECTION OF THE PROPOSED CATCH BASINS TO DETERMINE THE DEPTH OF SEDIMENT AND REQUIRED CLEANING.
5. INSPECTION OF POND 1 TO DETERMINE IF CLEANING IS NECESSARY.

OPERATION AND MAINTENANCE SCHEDULE

CONSTRUCTION PHASE:

1. THE EROSION CONTROL BARRIERS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER ALL STORM EVENTS.
2. ONCE THE PARKING LOT HAS BEEN PAVED DAILY INSPECTIONS SHALL BE CONDUCTED TO DETERMINE THE NECESSITY TO REMOVE ANY ACCUMULATED SEDIMENT. THE REMOVAL OF THE ACCUMULATED SEDIMENT SHALL BE COMPLETED ON THE DAY THE DETERMINATION IS MADE.
3. SILT SAKS SHALL BE INSTALLED AT ALL CATCH BASINS. SILT SAKS, ONCE INSTALLED SHALL BE INSPECTED ON A WEEKLY BASIS AND CLEANED AS NECESSARY.
4. THE WATER QUALITY UNIT SHALL BE INSPECTED ON A WEEKLY BASIS AND CLEANED WHEN THE SEDIMENT DEPTH REACHES 8"
5. THE POND SHALL BE INSPECTED AFTER EACH STORM EVENT AND CLEANED WHEN 2" OF SEDIMENT HAS ACCUMULATED AT THE INLET. ANY TRASH OR CONSTRUCTION DEBRIS SHALL BE IMMEDIATELY REMOVED.

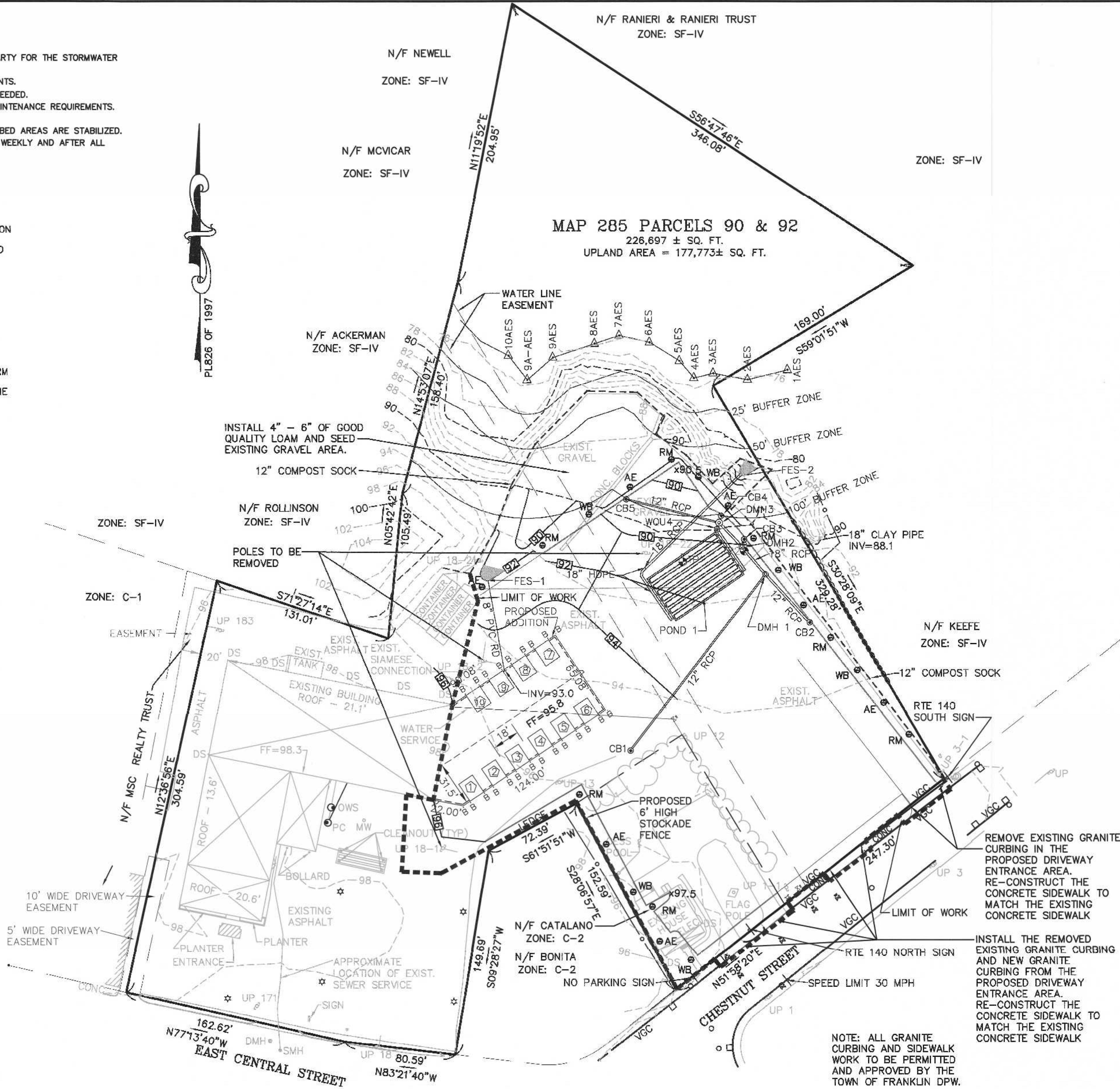
ADDITIONAL EROSION CONTROLS MAY BE REQUIRED DEPENDING ON ACTUAL FIELD CONDITIONS DURING CONSTRUCTION.

LONG TERM:

1. THE PARKING LOT SHALL BE SWEEPED FOUR TIMES PER YEAR WITH ONE BEING AFTER THE LAST WINTER SANDING.
2. THE WATER QUALITY UNITS SHALL BE INSPECTED 4 TIMES PER YEAR AND SEDIMENT REMOVED WHEN THE DEPTH REACHES 8 INCHES.
3. THE PONDS SHALL BE INSPECTED AND PREVENTIVE MAINTENANCE PERFORMED TWICE PER YEAR. THE PONDS SHALL BE INSPECTED AFTER EVERY STORM EVENT EXCEEDING 1 INCH OF RAINFALL FOR THE FIRST 3 MONTHS AND THEN TWICE PER YEAR THEREAFTER AND WHEN THERE ARE DISCHARGES THROUGH THE HIGH OUTLET.
4. DURING INSPECTIONS OF STORM-WATER FACILITIES ANY TRASH OR DEBRIS DISCOVERED SHALL BE IMMEDIATELY REMOVED.

EROSION CONTROL NOTES:

1. COMPOST SOCK SHALL BE INSTALLED PRIOR TO TREE CLEARING OR SITE WORK COMMENCING.
2. COMPOST SOCK TO REMAIN IN CONTACT WITH THE EARTH. REPAIR OR RESET AS NECESSARY.
3. REFER TO CONSTRUCTION SEQUENCE FOR SLOPE GREATER THAN 3' HORIZONTAL TO 1' VERTICAL.
4. WATER QUALITY UNITS, CATCH BASINS, UNDERGROUND POND AND PARKING AREA TO BE CLEANED ONCE CONSTRUCTION IS COMPLETED.
5. ALL SEDIMENT COLLECTED DURING THE CONSTRUCTION PHASE OR POST CONSTRUCTION PHASE SHALL BE DISPOSED OF TO AN APPROVED LOCATION.
6. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED THE EROSION CONTROL MEASURES SHALL BE REMOVED.
7. DAMAGED OR DETERIORATED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY AFTER THEY HAVE BEEN IDENTIFIED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INSPECTIONS.
9. DUST CONTROL WILL BE BY SPRAYING WATER AS NECESSARY. THE USE OF OILS, PETROLEUM PRODUCTS OR TOXIC LIQUIDS FOR DUST CONTROL IS PROHIBITED.



OWNERS:
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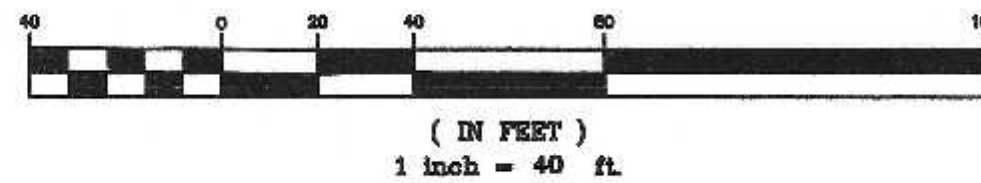
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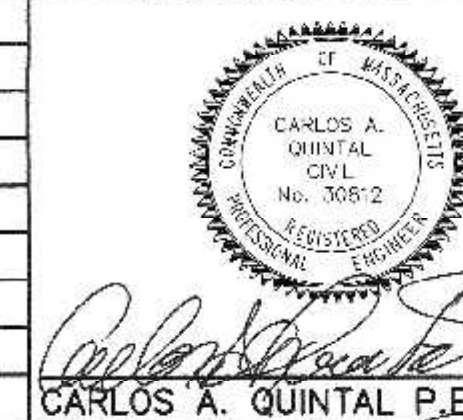
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4/22	CHECKED BY:	CAQ

UNITED
CONSULTANTS
INC.
860 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-0560 FAX 508-304-6568

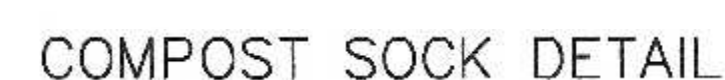
DATE
APRIL 14, 2022
SCALE
1" = 40'
PROJECT
UC1007
SHEET
8 of 8



NOTE:
BOLLARDS TO BE INSTALLED ON EACH
SIDE OF THE OVERHEAD DOOR OPENINGS.



NOTE: DUMPSTER PAD AT BUILDING 1 WILL HAVE THE FENCE CONNECT TO THE RETAINING WALL. NO FENCE IS PROPOSED TO THE REAR OF THE DUMPSTER PAD.



OWNERS:
MAP 285 PARCEL 090-000-000
FRANKLIN FORD, LLC
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS

MAP 285 PARCEL 092-000-000
HERBERT CATALANO
9 CHESTNUT STREET
FRANKLIN, MASSACHUSETTS

APPLICANT:
FRANKLIN FORD, LLC
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS

SITE PLAN
CONSTRUCTION DETAILS - 1
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
PREPARED FOR
FRANKLIN FORD, LLC
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
APRIL 14, 2022
SCALE: 1" = 40'



Carlos A. Quintal 5/12/22
CARLOS A. QUINTAL P.E. #30812

UNITED
CONSULTANTS
INC.

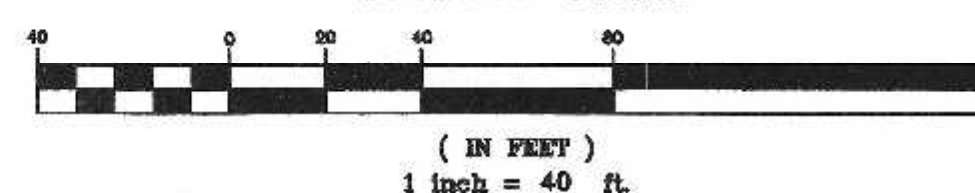
850 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-6560 FAX 508-384-6566

DATE	APRIL 14, 2022
SCALE	1" = 40'
PROJECT	UC1007
SHEET	7 of 8

**SITE PLAN APPROVAL
REQUIRED
FRANKLIN PLANNING BOARD**

DATE _____

GRAPHIC SCALE

[illegible]

DATE		IN
8/21	FIELD BY:	BL
BK#	FIELD BOOK	PG#
4/22	CALCS BY:	RR
4/22	DESIGNED BY:	RR
4/22	DRAWN BY:	COM
4/22	CHECKED BY:	CA

EXCAVATION AND FILL NOTES:

SOIL REMOVAL AT INFILTRATION SYSTEM:
ALL EXISTING TOP (A HORIZON) AND SUB-SOIL (B HORIZON) SOILS AND FILL SHALL BE REMOVED UNDER THE INFILTRATION SYSTEMS AND FIVE FEET FROM THE OUTER EDGE OF THE STONE ENVELOPE.

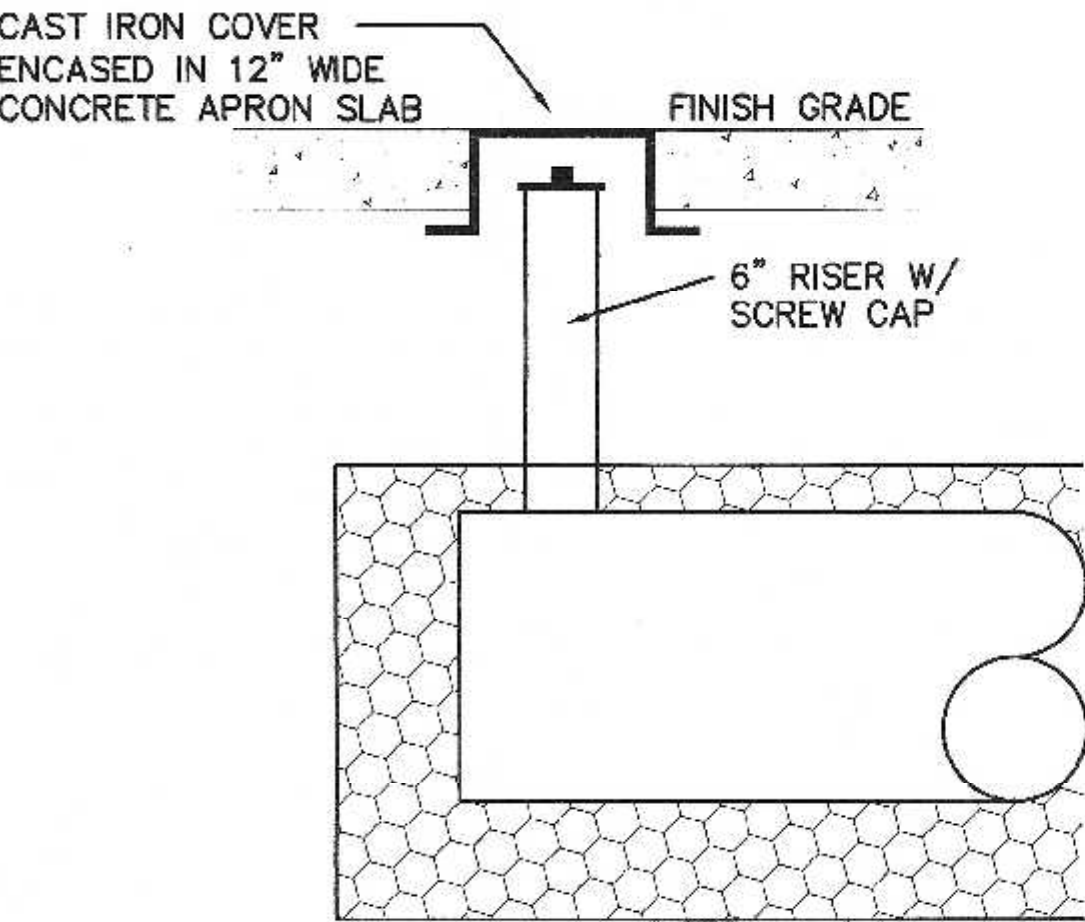
Fill material for drainage systems constructed in fill shall consist of select on-site or imported soil material. The fill shall be comprised of clean granular sand, free from organic matter and deleterious substances. Mixtures and layers of different classes of soil shall not be used. The fill shall not contain any material larger than two inches. A sieve analysis, using a #4 sieve, shall be performed on a representative sample of the fill. Up to 45% by weight of the fill sample may be retained on the #4 sieve. Sieve analyses also shall be performed on the fraction of the fill sample passing the #4 sieve, such analyses must demonstrate that the material meets each of the following specifications:

SIEVE SIZE	EFFECTIVE PARTICLE SIZE	% THAT MUST PASS SIEVE
# 4	4.75 mm	100%
# 50	0.30 mm	10% - 100%
#100	0.15 mm	0% - 20%
#200	0.075 mm	0% - 2%

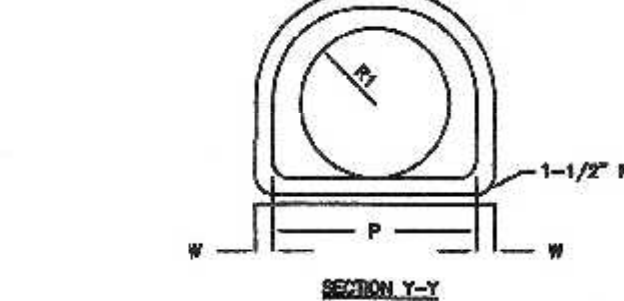
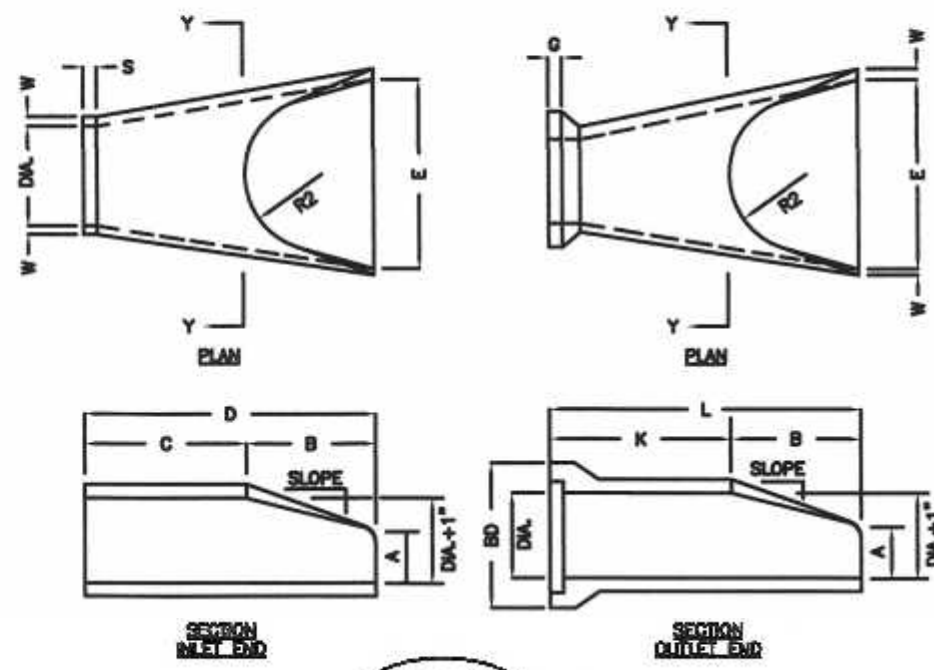
A minimum of two representative sample shall be taken from the in-place fill and tested for compliance with the grain size distribution specification. Where fill is required to replace unsuitable or impermeable soils, the excavation of the unsuitable material shall extend a minimum of five feet laterally in all directions beyond the outer perimeter of the soil drainage systems to the depth of naturally occurring pervious material and replaced with fill.

Prior to placement of the fill, the bottom surface of the excavation shall be scarified and relatively dry. Fill shall not be placed during rain or snow storms. If the water table elevation is above the elevation of the bottom of the excavation, the excavation shall be dewatered as necessary.

THE DESIGN ENGINEER SHALL INSPECT AND CERTIFY THE EXCAVATION OF THE SOIL INFILTRATION AREAS AND THE RAIN GARDEN AREA PRIOR TO ANY FILL BEING PLACED.



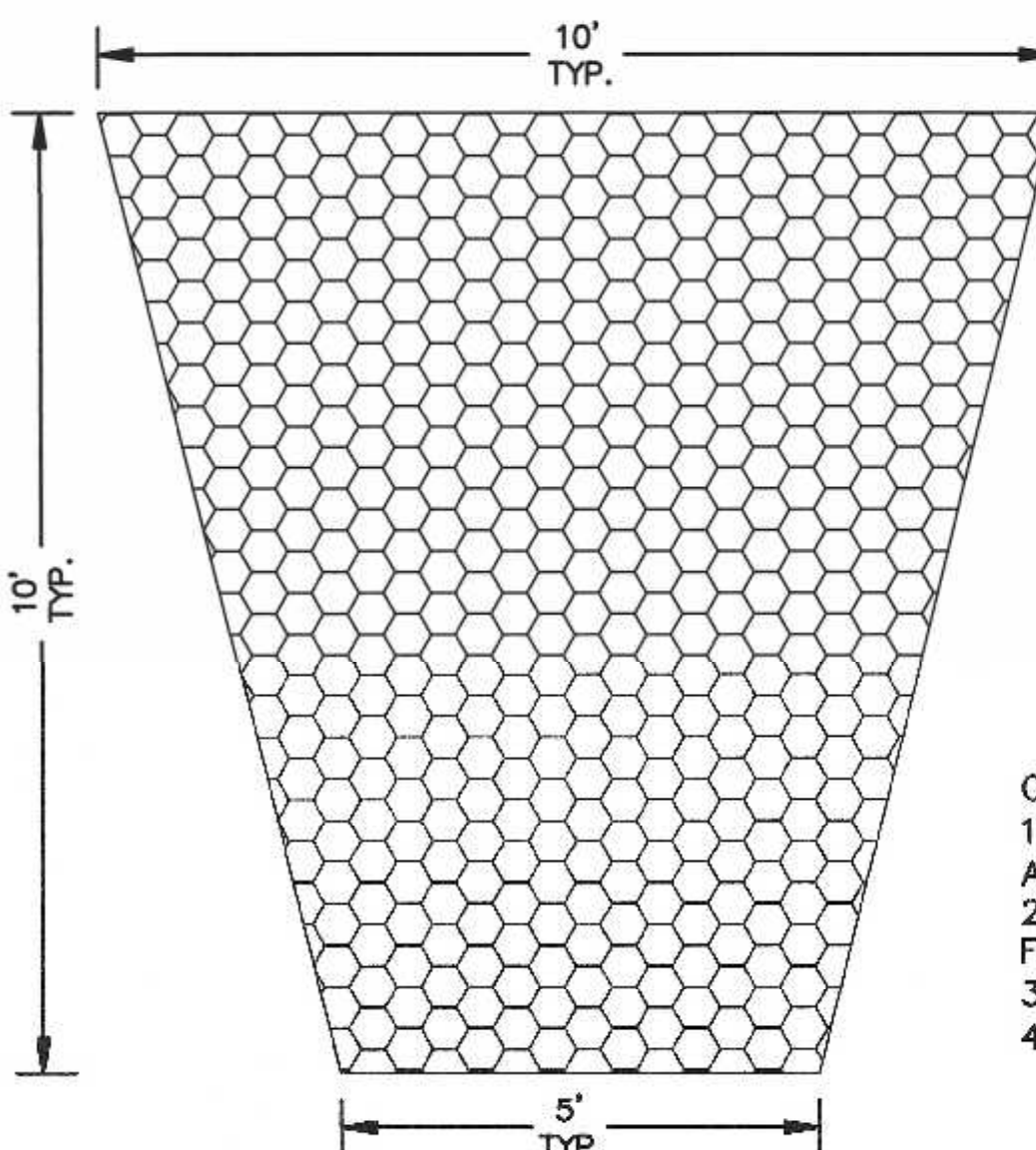
INSPECTION PORT DETAIL
DRAINAGE INFILTRATION AREAS
N.T.S.



DL	W	A	B	C	D	E	SD
12"	2"	4"	2'-0"	4'-0 7/8"	8'-1 3/8"	2'-0"	20"
15"	2-1/4"	5"	2'-3"	3'-10"	8'-1 1/2"	2'-0"	24"
18"	2-1/2"	6"	2'-3"	3'-10"	8'-1"	3'-0"	28"
21"	2-3/4"	7"	2'-11"	3'-2"	8'-1"	3'-0"	32"
24"	3"	8-1/2"	3'-7 1/2"	3'-2"	8'-1"	4'-0"	36"

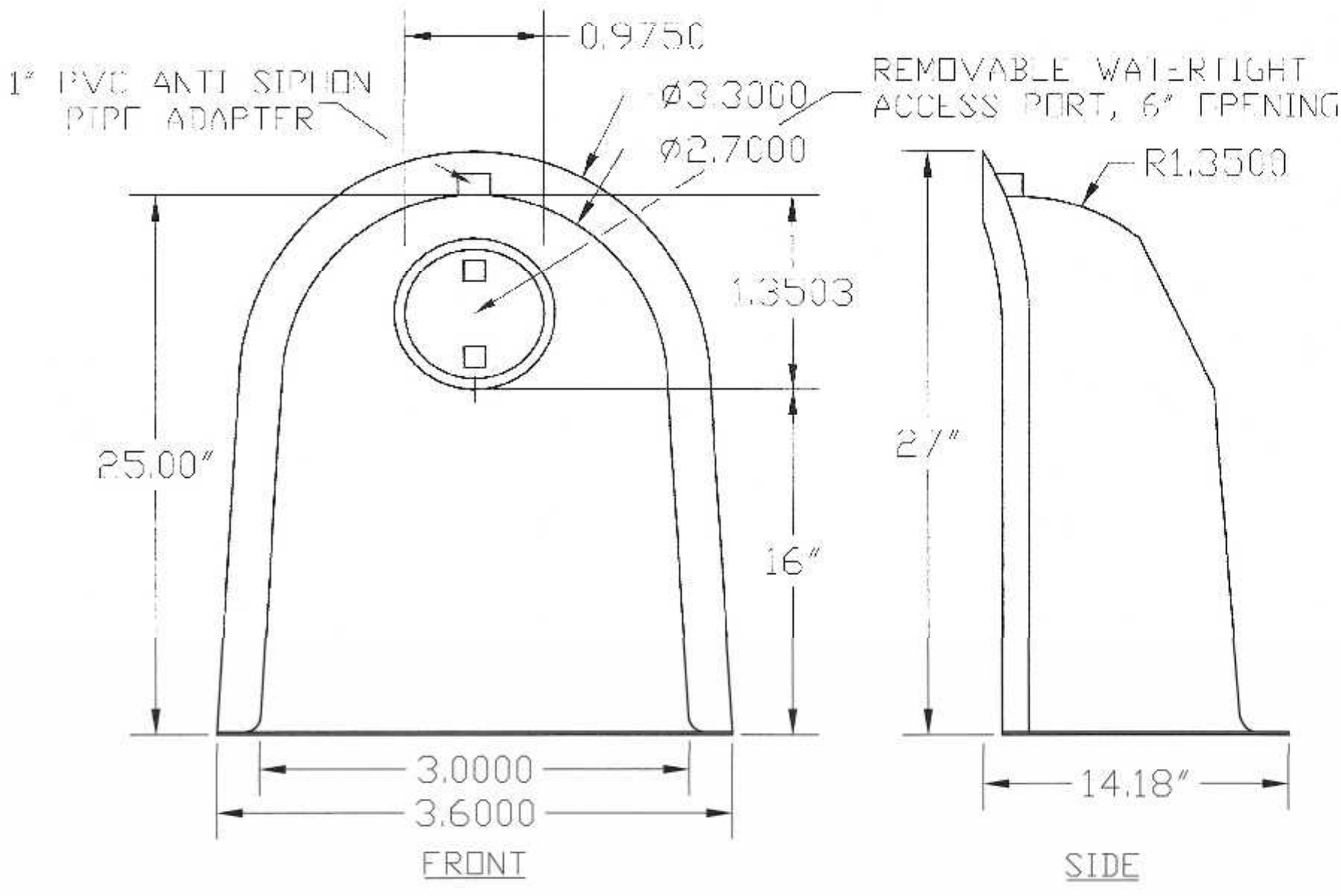
DL	K	L	P	DL	R1	R2	S	O	SLOPE
12"	4'-6 1/8"	6'-6 1/8"	16 5/16"	13"	10 1/8"	6"	4"	2 1/2"	3:1
15"	4'-3 11/16"	6'-6 11/16"	24 5/16"	16"	12 1/2"	11"	6"	2 1/2"	3:1
18"	4'-3 7/8"	6'-6 7/8"	29"	19"	16 1/2"	12"	4"	2 3/4"	3:1
21"	3'-8 5/16"	6'-7 5/16"	31 5/8"	22"	16 1/8"	13"	4"	2 3/4"	3:1
24"	3'-0 1/2"	6'-8"	33 3/16"	26"	16 13/16"	14"	4"	3"	3:1

REINFORCED CONCRETE PIPE FLARED END
NOT TO SCALE

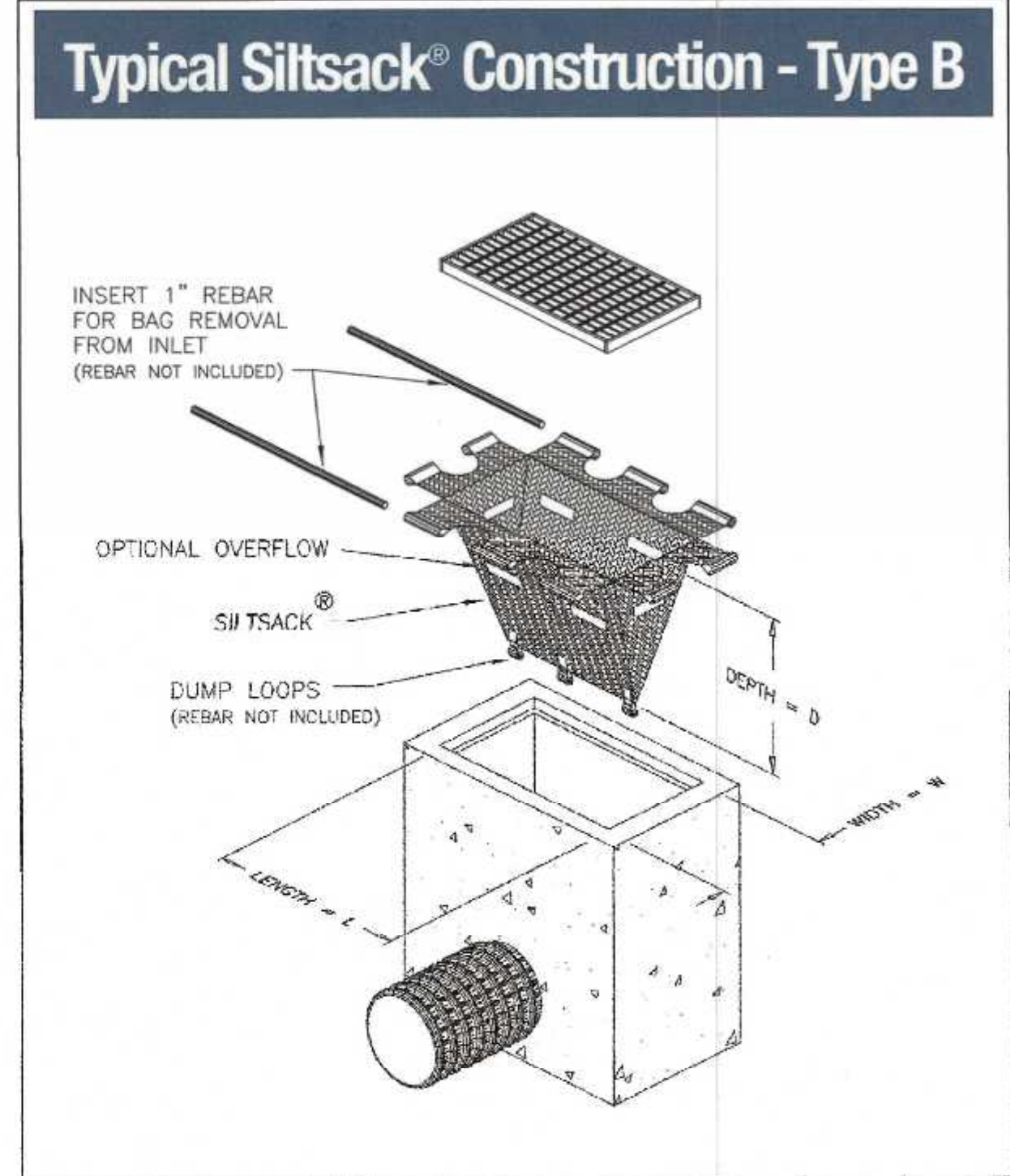


RIP RAP AT PIPE OUTLETS
N.T.S.

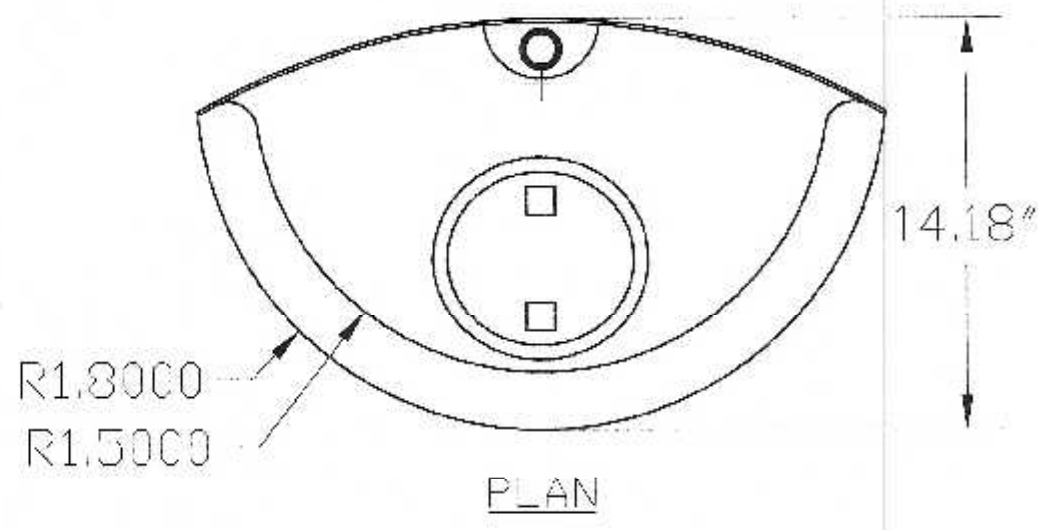
INFILTRATION POND 1



SNOUT DETAIL



SILT SACK DETAIL
NOT TO SCALE



US PATENT # 6126817
ADDITIONAL PATENTS PENDING

BMP, INC.
53 MT. ARCHER ROAD, LYME, CT. 06371
(800) 804-8008 FAX: (860) 434-3185

DESCRIPTION 18R SNOUT OIL & DEBRIS STOP	DATE 09/06/99	SCALE NONE
DRAWING NUMBER 18R		



OWNERS:
MAP 285 PARCEL 090-000-000
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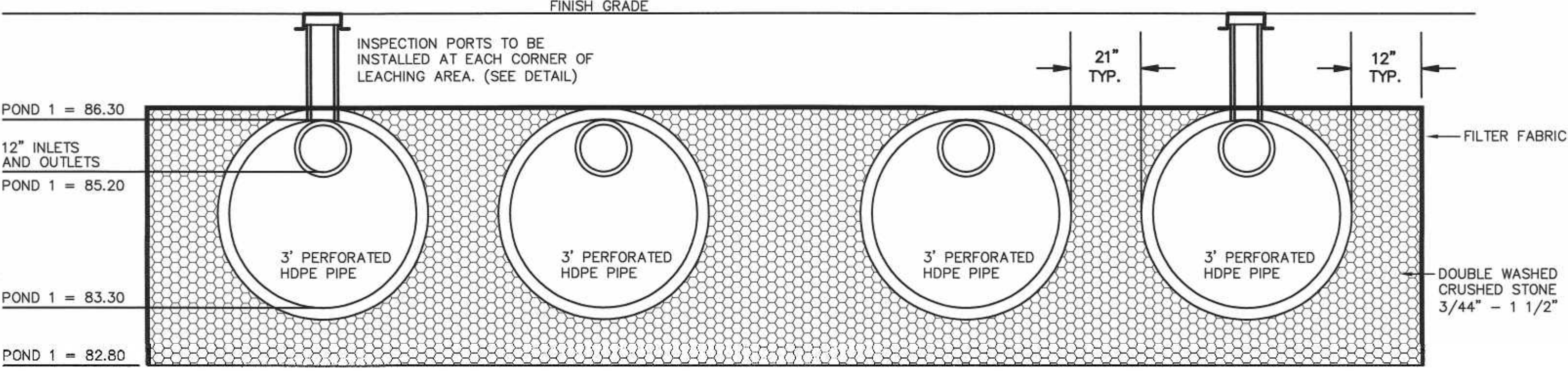
Carlos A. Quintal
CARLOS A. QUINTAL P.E. #30812

SITE PLAN
CONSTRUCTION DETAILS - 2
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
PREPARED FOR
FRANKLIN FORD, LLC
175 EAST CENTRAL STREET
FRANKLIN, MASSACHUSETTS
APRIL 14, 2022
SCALE: 1" = 40'

NOTE:
1. INFILTRATION POND 1 CONSISTS OF 7 ROWS OF 3' DIAMETER PERFORATED HDPE PIPE 58' IN LENGTH. STONE ENVELOPE IS 37.22' x 60'

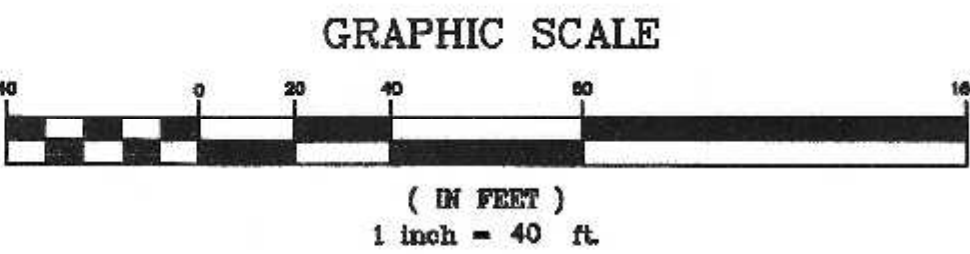
ESHW - POND 1 = 78.68 BOTTOM TEST PIT 1

INFILTRATION POND 1



SITE PLAN APPROVAL
REQUIRED
FRANKLIN PLANNING BOARD

DATE



NO.	DATE	DESCRIPTION	BY

DATE	FIELD BY:	INT.
8/21		BL
4/22	CALCS BY:	RRG
4/22	DESIGNED BY:	RRG
4/22	DRAWN BY:	COMP
4/22	CHECKED BY:	CAQ

UNITED CONSULTANTS INC.
850 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-6580 FAX 508-384-6566

DATE APRIL 14, 2022
SCALE 1" = 40'
PROJECT UC1007
SHEET 8 of 8