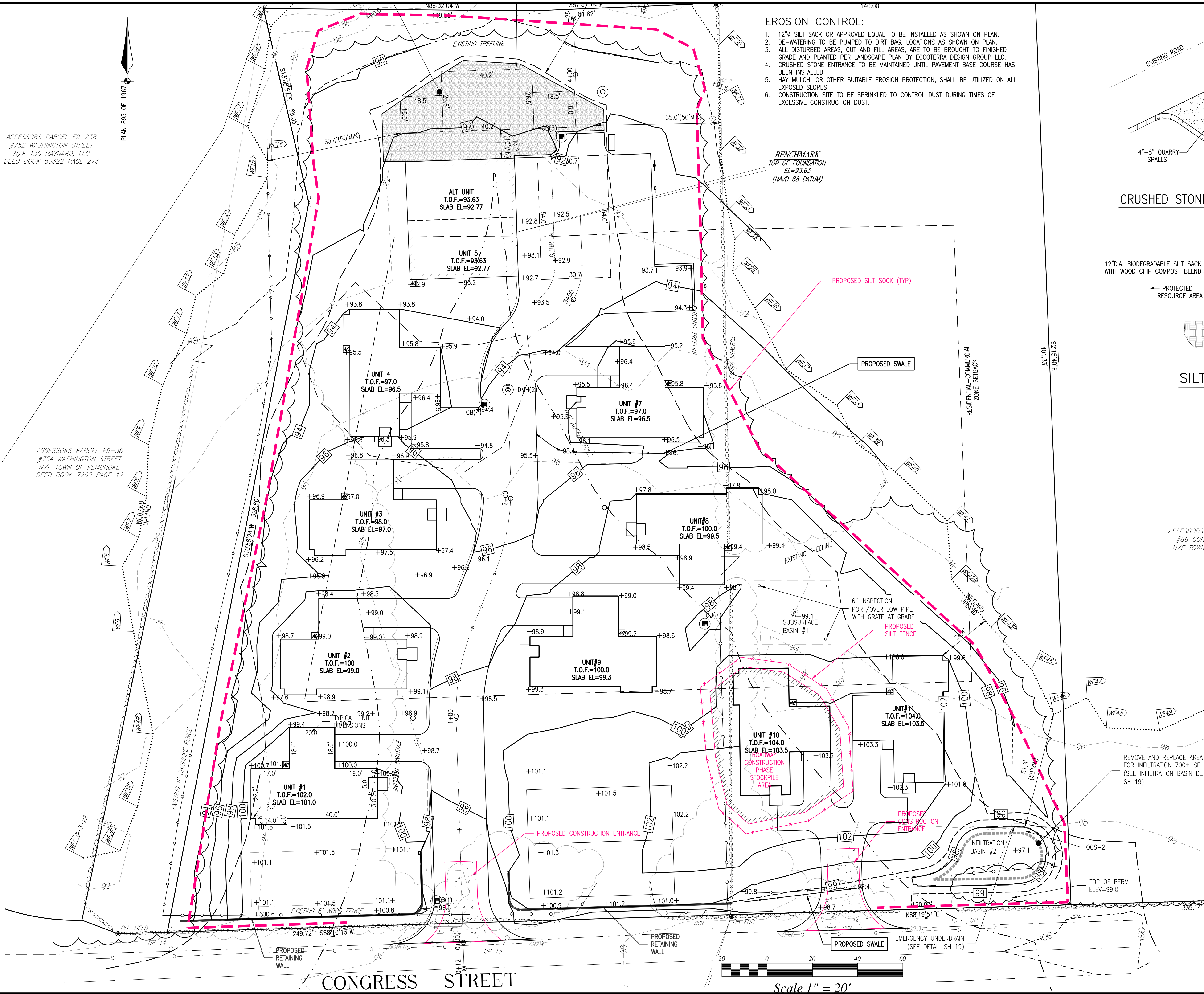


ASSESSORS PARCEL F9-23B  
#752 WASHINGTON STREET  
N/F 130 MAYNARD, LLC  
DEED BOOK 50322 PAGE 276

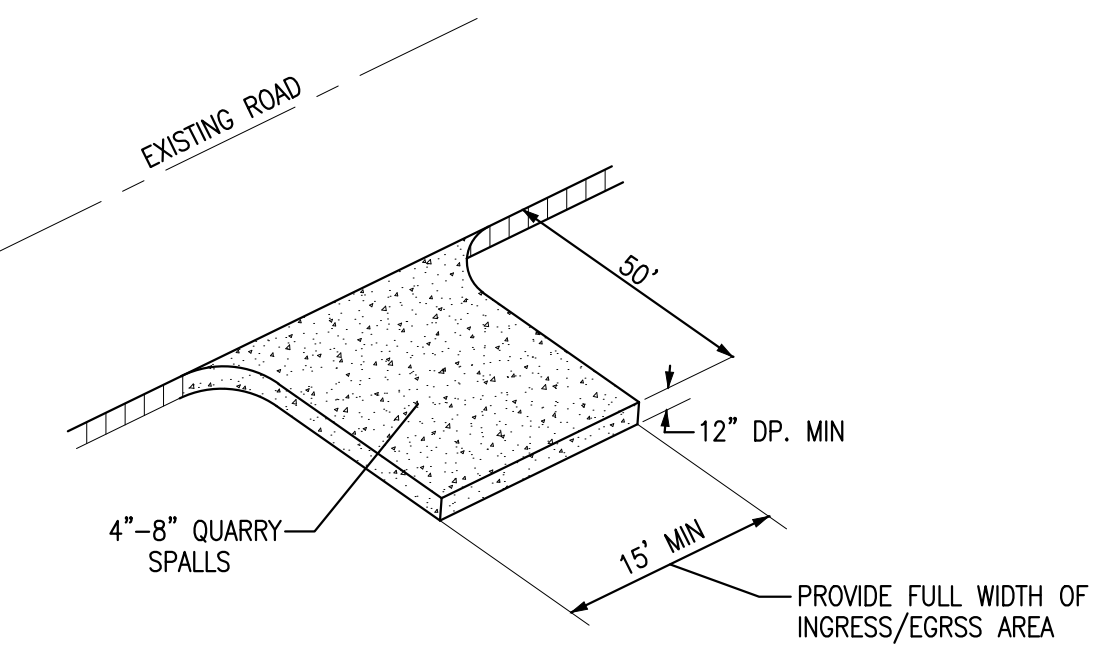
ASSESSORS PARCEL F9-38  
#754 WASHINGTON STREET  
N/F TOWN OF PEMBROKE  
DEED BOOK 7202 PAGE 12



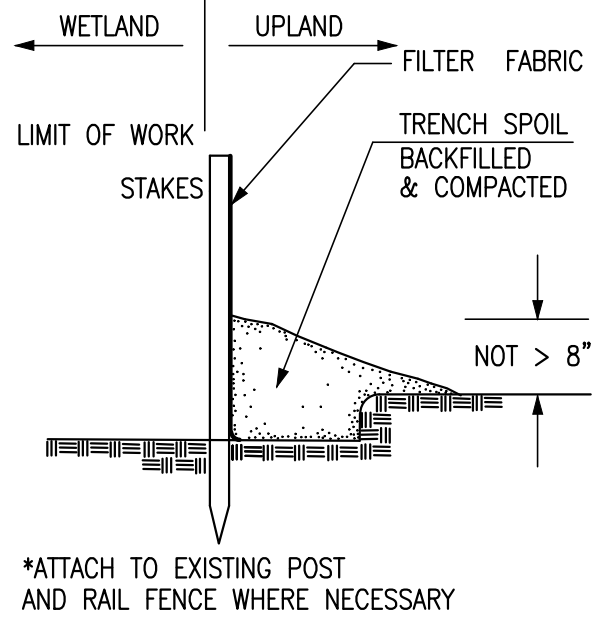
#### EROSION CONTROL:

1. 12" SILT SACK OR APPROVED EQUAL TO BE INSTALLED AS SHOWN ON PLAN.
2. DE-WATERING TO BE PUMPED TO DIRT BAG, LOCATIONS AS SHOWN ON PLAN.
3. ALL DISTURBED AREAS, CUT AND FILL AREAS, ARE TO BE BROUGHT TO FINISHED GRADE AND PLANTED PER LANDSCAPE PLAN BY ECOTERRA DESIGN GROUP LLC.
4. CRUSHED STONE ENTRANCE TO BE MAINTAINED UNTIL PAVEMENT BASE COURSE HAS BEEN INSTALLED.
5. HAY MULCH, OR OTHER SUITABLE EROSION PROTECTION, SHALL BE UTILIZED ON ALL EXPOSED SLOPES.
6. CONSTRUCTION SITE TO BE SPRINKLED TO CONTROL DUST DURING TIMES OF EXCESSIVE CONSTRUCTION DUST.

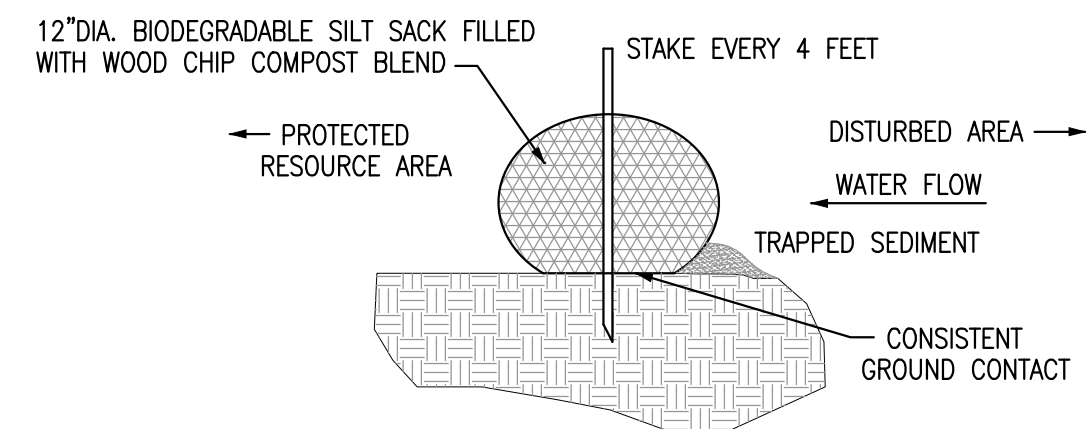
BENCHMARK  
TOP OF FOUNDATION  
EL=93.63  
(NAVD 88 DATUM)



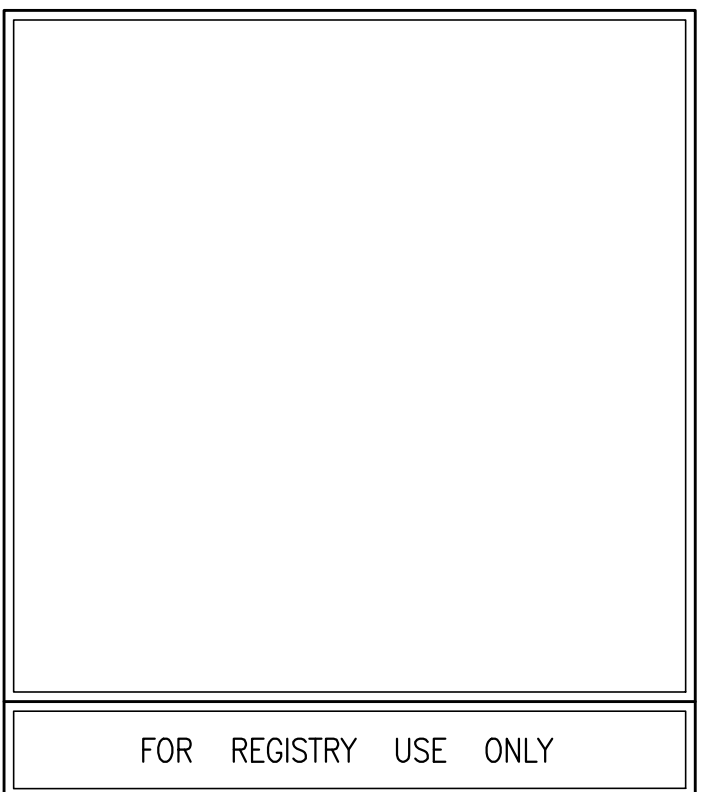
CRUSHED STONE CONSTRUCTION ENTRANCE  
(NOT TO SCALE)



SILT FENCE  
(NOT TO SCALE)



SILT SOCK DETAIL  
NOT TO SCALE

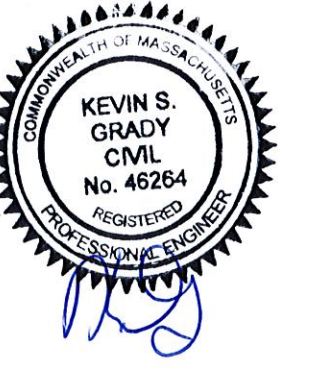


ASSESSORS PARCEL F9-12B  
#86 CONGRESS STREET  
N/F TOWN OF PEMBROKE

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

TIMOTHY R. BENNETT P.L.S. #36856 DATE

REVISIONS	
APRIL 24, 2023	BOARD OF HEALTH PEER REVIEW
MAY 10, 2023	PLANNING BOARD PEER REVIEW
JUNE 21, 2023	PLANNING BOARD PEER REVIEW



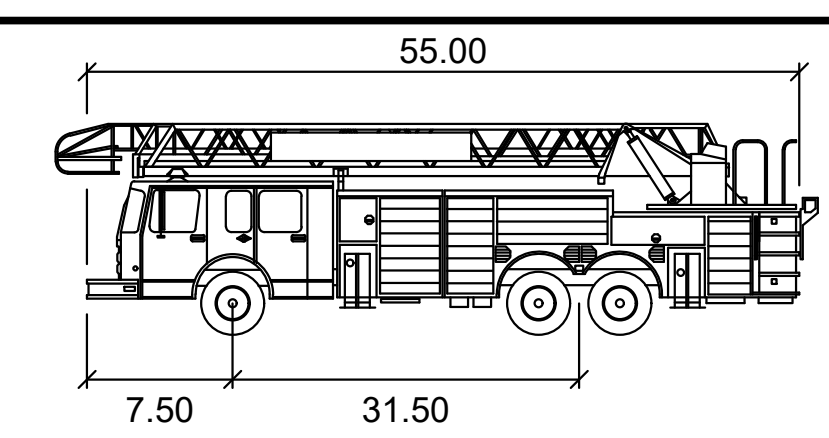
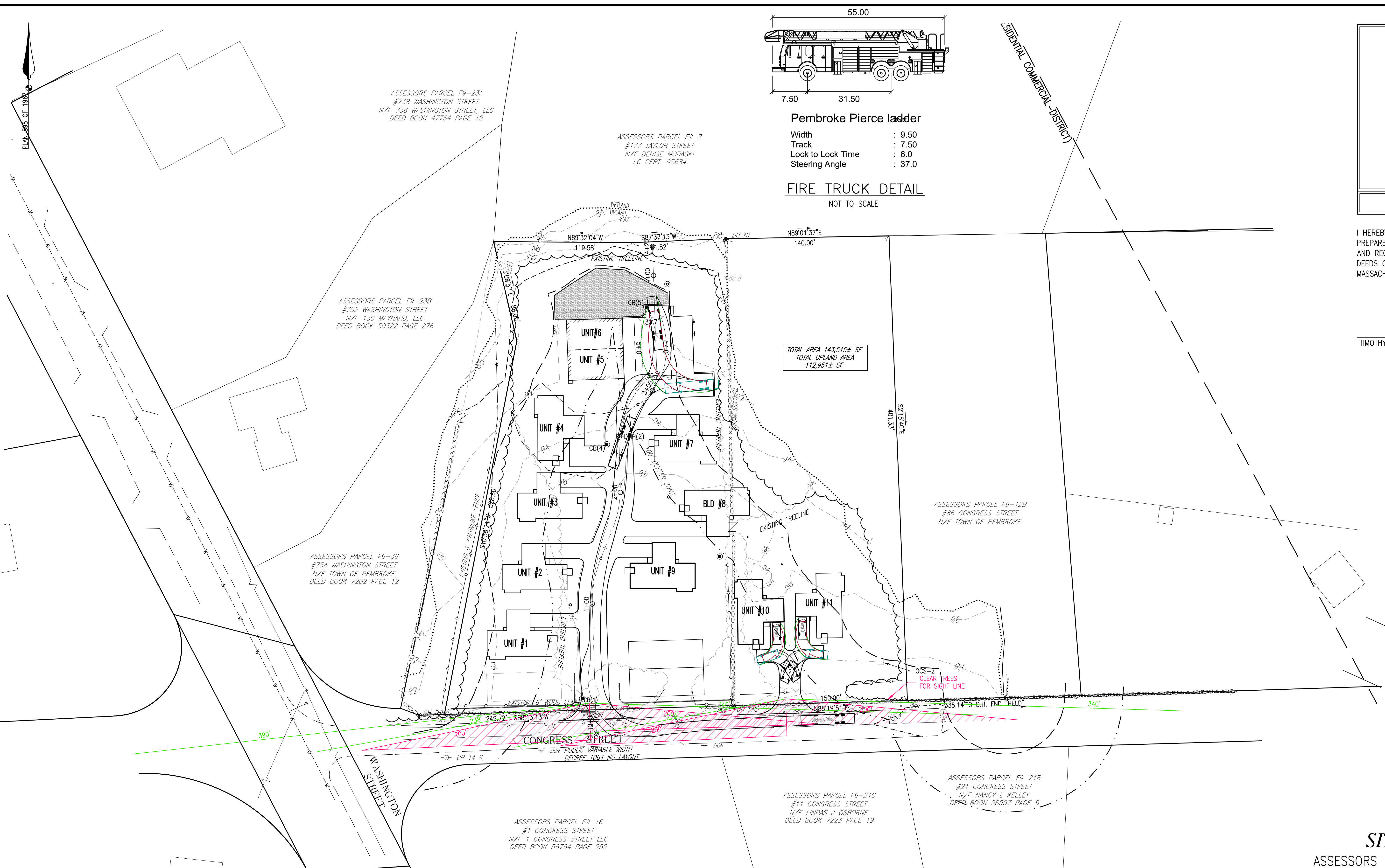
**SITE PLAN**  
ASSESSORS MAP F9 LOT 11 & 12C  
#0 & 74 CONGRESS STREET  
PEMBROKE, MASSACHUSETTS

PREPARED FOR:  
WHATBARN, LLC  
29 DUCK HILL ROAD  
DUXBURY MA 02332

MARCH 13, 2023  
SCALE: AS NOTED  
JOB No. 22-286

**GRADY CONSULTING, L.L.C.**  
Civil Engineers, Land Surveyors & Landscape Architects  
71 Evergreen Street, Suite 1, Kingston, MA 02364  
Phone (781) 585-2300





**Pembroke Pierce ladder**

Width	: 9.50
Track	: 7.50
Lock to Lock Time	: 6.0
Steering Angle	: 37.0

**FIRE TRUCK DETAIL**  
NOT TO SCALE

FOR REGISTRY USE ONLY

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

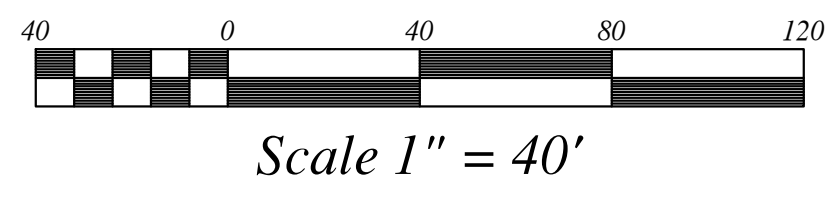
TIMOTHY R. BENNETT P.L.S. #36856      DATE

POSTED SPEED LIMIT = 30 MPH

STOPPING SIGHT DISTANCE	REQUIRED	PROP. MAIN DRIVE	PROP DRIVE 2
30 MPH	200 FT	340 FT +	340 FT +
35 MPH	250 FT	340 FT +	340 FT +

INTERSECTION SIGHT DISTANCE	REQUIRED	PROP. MAIN DRIVE	PROP DRIVE 2
30 MPH	335 FT	340 FT +	340 FT +
35 MPH	390 FT	340 FT +	340 FT +



REVISIONS	
APRIL 24, 2023	BOARD OF HEALTH PEER REVIEW
MAY 10, 2023	PLANNING BOARD PEER REVIEW
JUNE 21, 2023	PLANNING BOARD PEER REVIEW



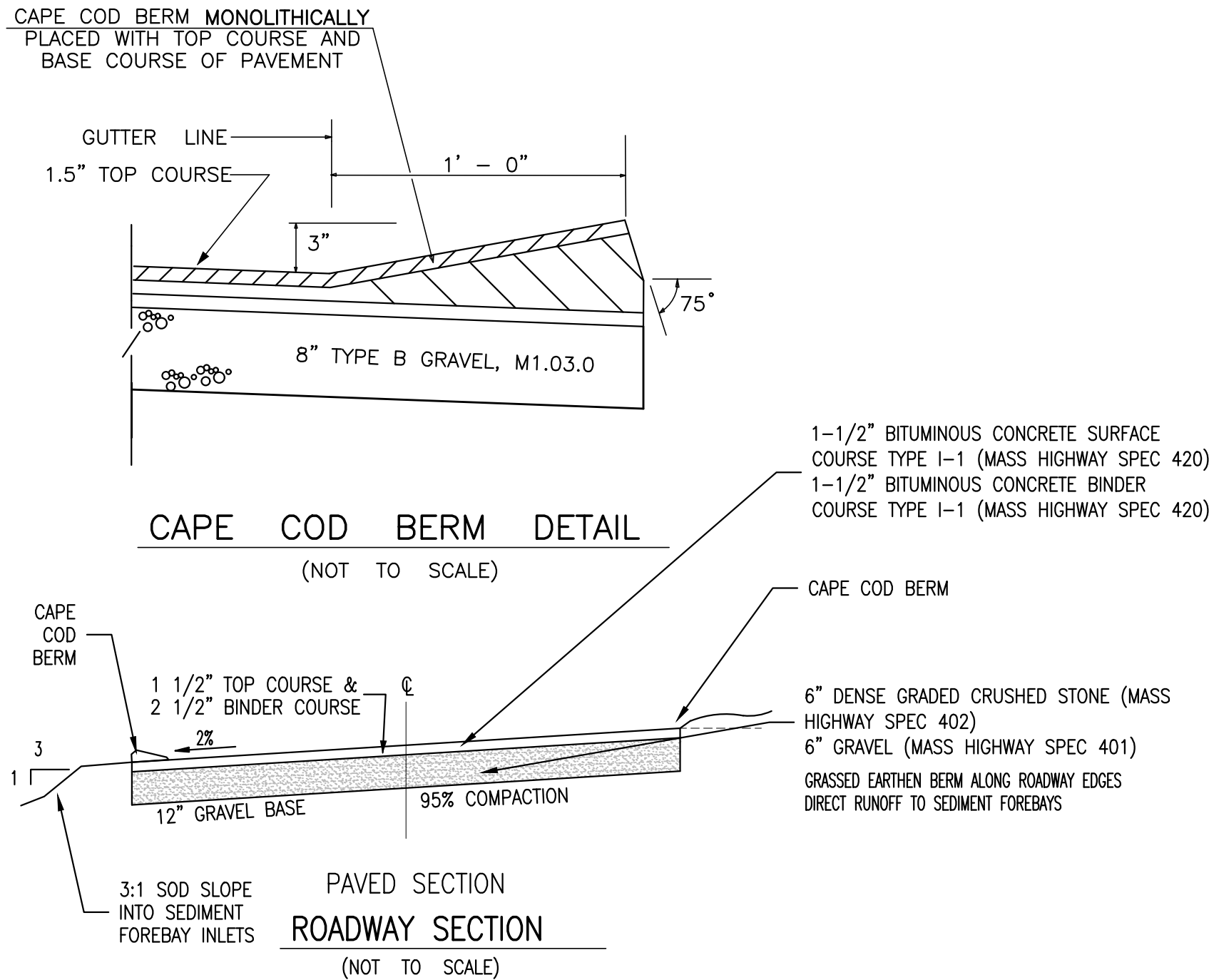
**SITE PLAN**  
ASSESSORS MAP F9 LOT 11 & 12C  
#0 & 74 CONGRESS STREET  
PEMBROKE, MASSACHUSETTS

PREPARED FOR:  
WHATABARN, LLC  
29 DUCK HILL ROAD  
DUXBURY MA 02332

MARCH 13, 2023  
SCALE: AS NOTED  
JOB No. 22-286

**GRADY CONSULTING, L.L.C.**  
*Civil Engineers, Land Surveyors & Landscape Architects*  
71 Evergreen Street, Suite 1, Kingston, MA 02364  
Phone (781) 585-2300

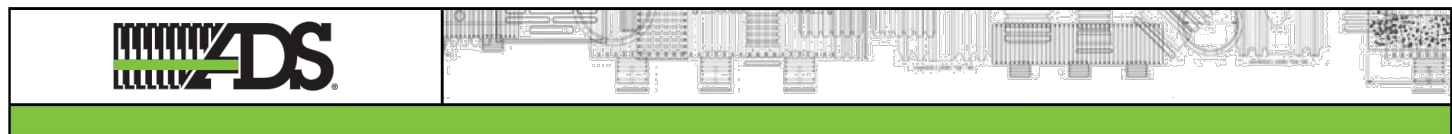




**Table 1**  
**Minimum Cover Requirements for ADS N-12®, N-12 ST, and N-12 WT (per AASHTO) with AASHTO H-25 or HS-25 Load**

Inside Diameter, ID, in. (mm)	Minimum Cover ft. (m)	Inside Diameter, ID, in. (mm)	Minimum Cover ft. (m)
4 (100)	1 (0.3)	24 (600)	1 (0.3)
6 (150)	1 (0.3)	30 (750)	1 (0.3)
8 (200)	1 (0.3)	36 (900)	1 (0.3)
10 (250)	1 (0.3)	42 (1050)	1 (0.3)
12 (300)	1 (0.3)	48 (1200)	1 (0.3)
15 (375)	1 (0.3)	54 (1350)	2 (0.6)
18 (450)	1 (0.3)	60 (1500)	2 (0.6)

*Note: Minimum covers presented here were calculated assuming Class III backfill material compacted to 90% standard Proctor density around the pipe and a minimum of 6-inches (0.15m) structural backfill over the pipe crown, as recommended in Section 5 of the Drainage Handbook, with an additional layer of compacted traffic lane sub-base for a total cover as required. In shallow traffic installations, especially where pavement is involved, a good quality compacted material to grade is required to prevent surface settlement and rutting.*



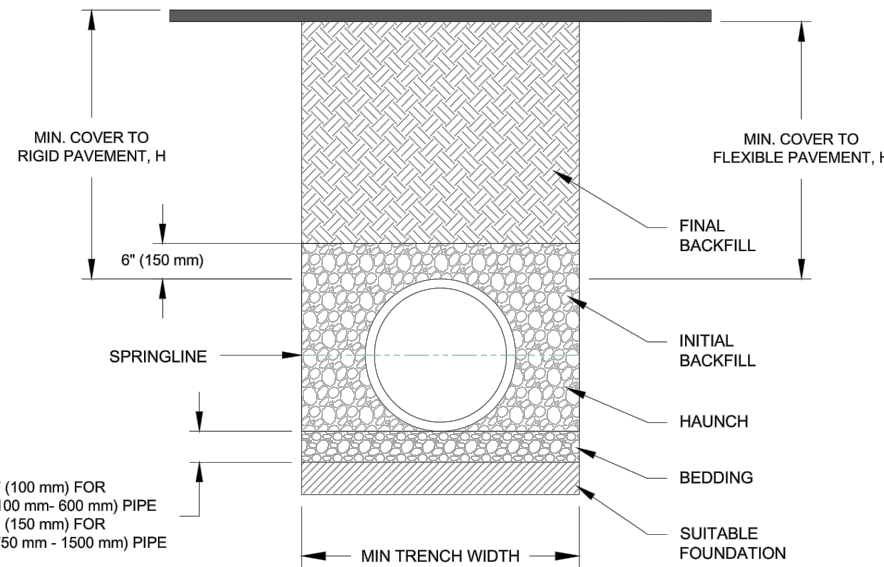
### Maximum Cover

Wall thrust generally governs the maximum cover a pipe can withstand and conservative maximum cover heights will result when using the information presented in the *Structures* section (Section 2) of the Drainage Handbook.

The maximum burial depth is highly influenced by the type of backfill and level of compaction around the pipe. General maximum cover limits for ADS N-12, N-12 ST, N-12 WT pipe, (ASTM F2306 and AASTHO M252/M294 Type S pipes) are shown in Table 3 for a variety of backfill conditions.

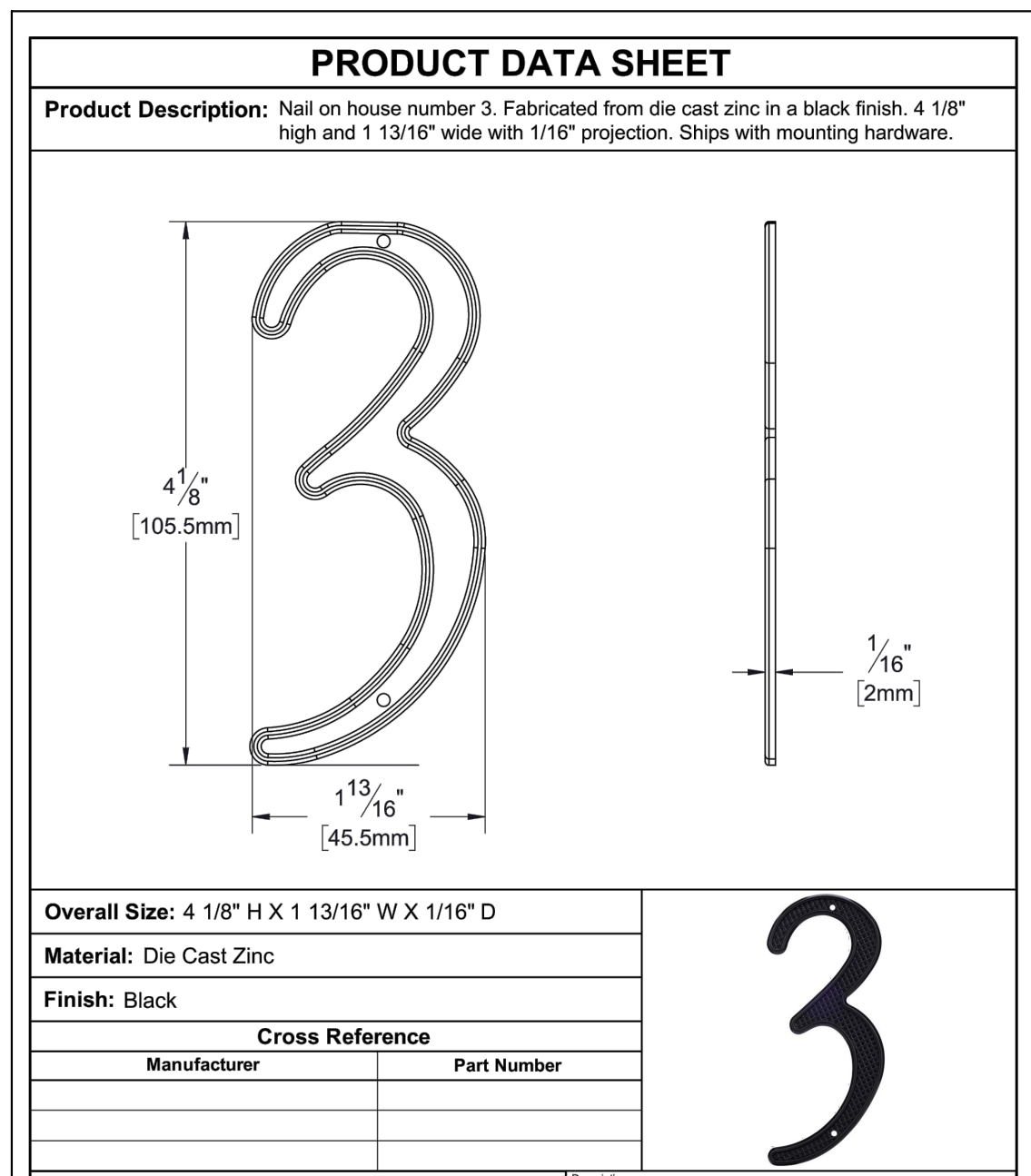
Table 3 was developed assuming pipe is installed in accordance with ASTM D2321 and the *Installation* section (Section 5) of the Drainage Handbook. Additionally, the calculations assume zero hydrostatic load, incorporate the maximum safety factors represented in Structures section of the Drainage Handbook, use material properties consistent with the expected performance characteristics for N-12 (per ASTM F2306) materials as shown in Table 2 below, and assume the native soil is of adequate strength and is suitable for installation. For applications requiring fill heights greater than those shown in Table 3 or where hydrostatic pressure due to groundwater is present, contact an ADS engineering representative.

**Figure 1**  
**ADS N-12®, N-12 ST, and N-12 WT (per AASHTO) Trench Detail Under Pavement**



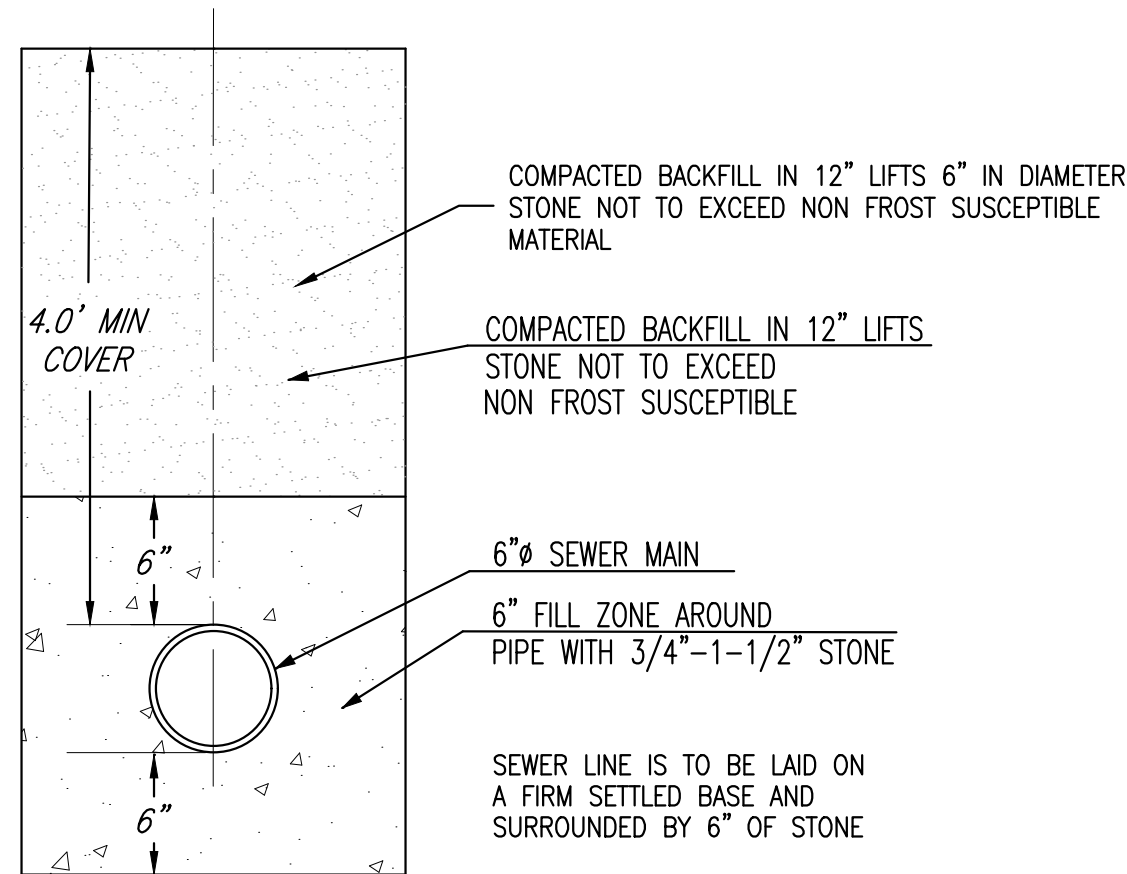
**Table 2**  
**ADS N-12 (per AASHTO) Mechanical Properties**

Cell Class	Factored Compressive Strain (%)	Tension Strain (%)	Initial Fu (psi)	Initial E (psi)	75-Year Fu (psi)	75-Year E (psi)
ASTM D3350 435400C	4.1	5.0	3,000	110,000	900	21,000



### NUMBER PLATE / PLAQUE DETAIL (HOUSE)

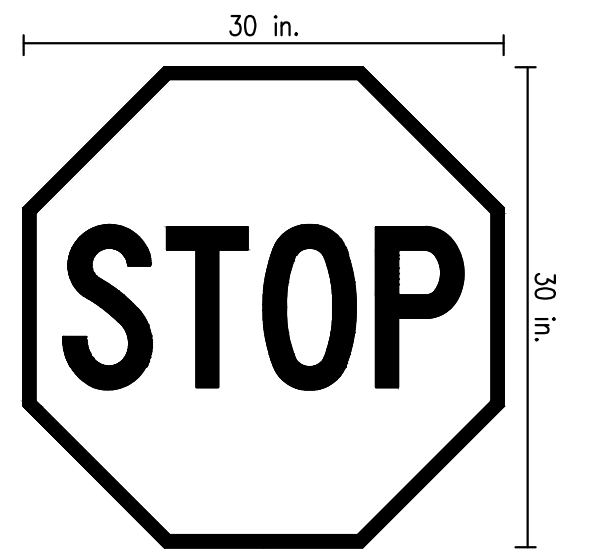
N.T.S.



### TYPICAL SEWER TRENCH DETAIL (NOT TO SCALE)

### SEWER CONNECTION NOTES:

- THE CONNECTION AT THE EXISTING SEWER LINE IS TO BE AS DIRECTED BY THE BOARD OF HEALTH
- CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO TOWN OF PEMBROKE AND STATE OF MASSACHUSETTS STANDARDS AND REQUIREMENTS.
- DE-WATERING OF TRENCH, IF REQUIRED, SHOULD BE CONDUCTED IN CONFORMITY WITH LOCAL REGULATIONS.
- PRIOR TO ANY CONSTRUCTION, A STREET OPENING PERMIT AND A SEWER CONSTRUCTION PERMIT MUST BE OBTAINED BY THE CONTRACTOR FROM THE TOWN OF PEMBROKE D.P.W. (UNLESS SEWER CONNECTION IS NOT IN R.O.W.)
- SEWER MAINS TO BE PVC SCH 40 OR AS OTHERWISE NOTED.
- CONTRACTOR SHALL NOTIFY THE TOWN OF PEMBROKE BOARD OF HEALTH OF TIMING OF CONSTRUCTION
- SURPLUS EXCAVATION MATERIAL TO BE HAULED OFF AND LEGALLY DISPOSED OF BY CONTRACTOR.
- THE CONTRACTOR MUST INSTALL DETECTABLE "GREEN" MARKING TAPE, APPROXIMATELY ONE (1) FOOT ABOVE THE "PROPOSED SEWER MAIN FOR ITS ENTIRE LENGTH.
- THERE SHALL BE NO FIELD CHANGES TO THIS PLAN WITHOUT PRIOR NOTIFICATION OF BOTH THE DESIGN ENGINEER AND THE TOWN OF PEMBROKE SEWER DIVISION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO BACKFILLING SO THAT AN "AS-BUILT" PLAN MAY BE COMPILED AND SUBMITTED TO THE PEMBROKE BOARD OF HEALTH.
- ALL INTERIOR PLUMBING CHANGES SHALL BE MADE BY A LICENSED PLUMBER AND IN FULL COMPLIANCE WITH ALL STATE AND LOCAL PLUMBING CODE REQUIREMENTS.
- CONTRACTOR IS TO RESTORE TO ORIGINAL CONDITION ANY UTILITIES OR IMPROVEMENTS DAMAGED DURING CONSTRUCTION INCLUDING LOAMING AND SEEDING OF LAWNS.
- CONTRACTOR TO VERIFY EXISTING SEWER ELEVATIONS.



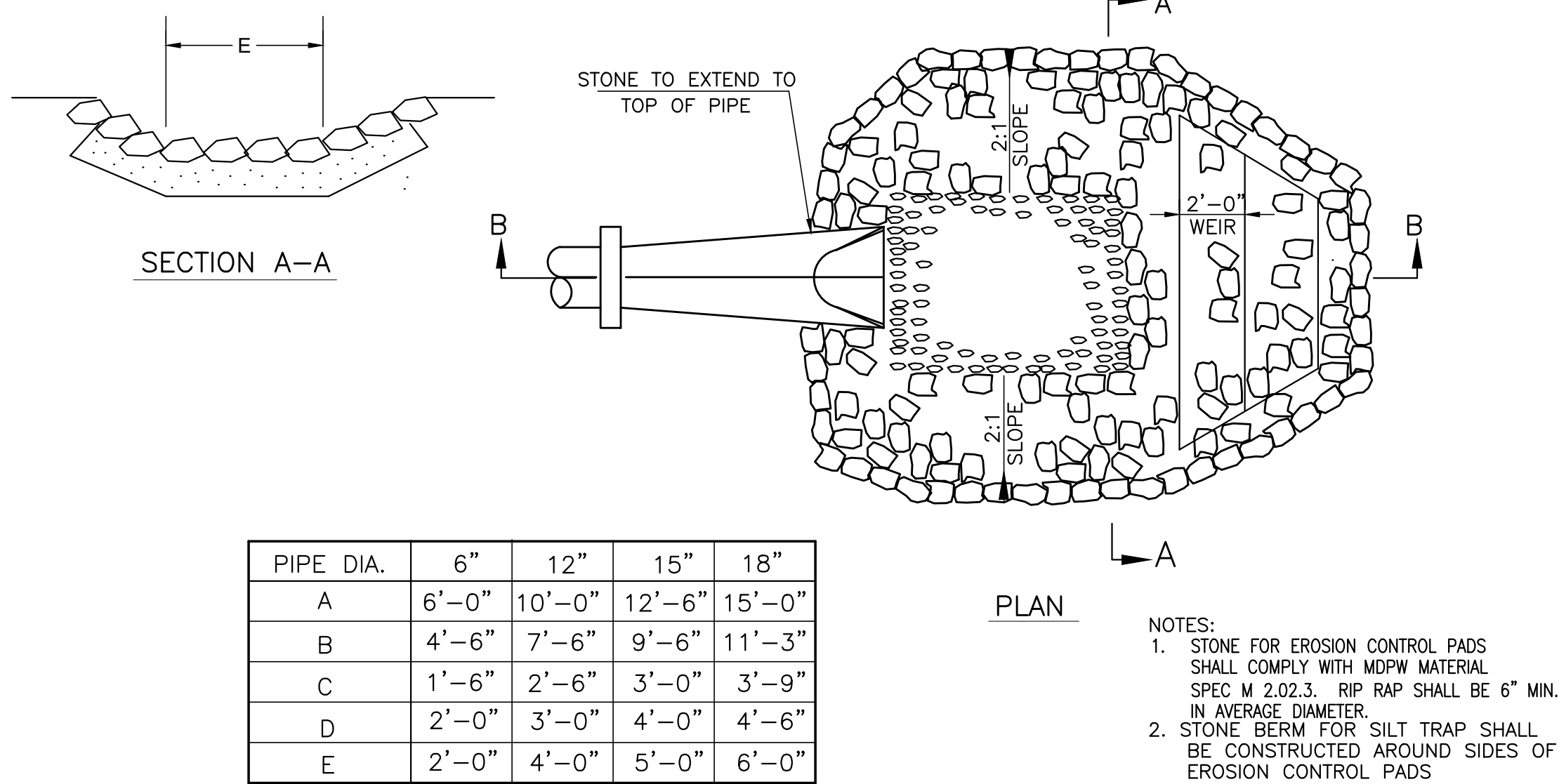
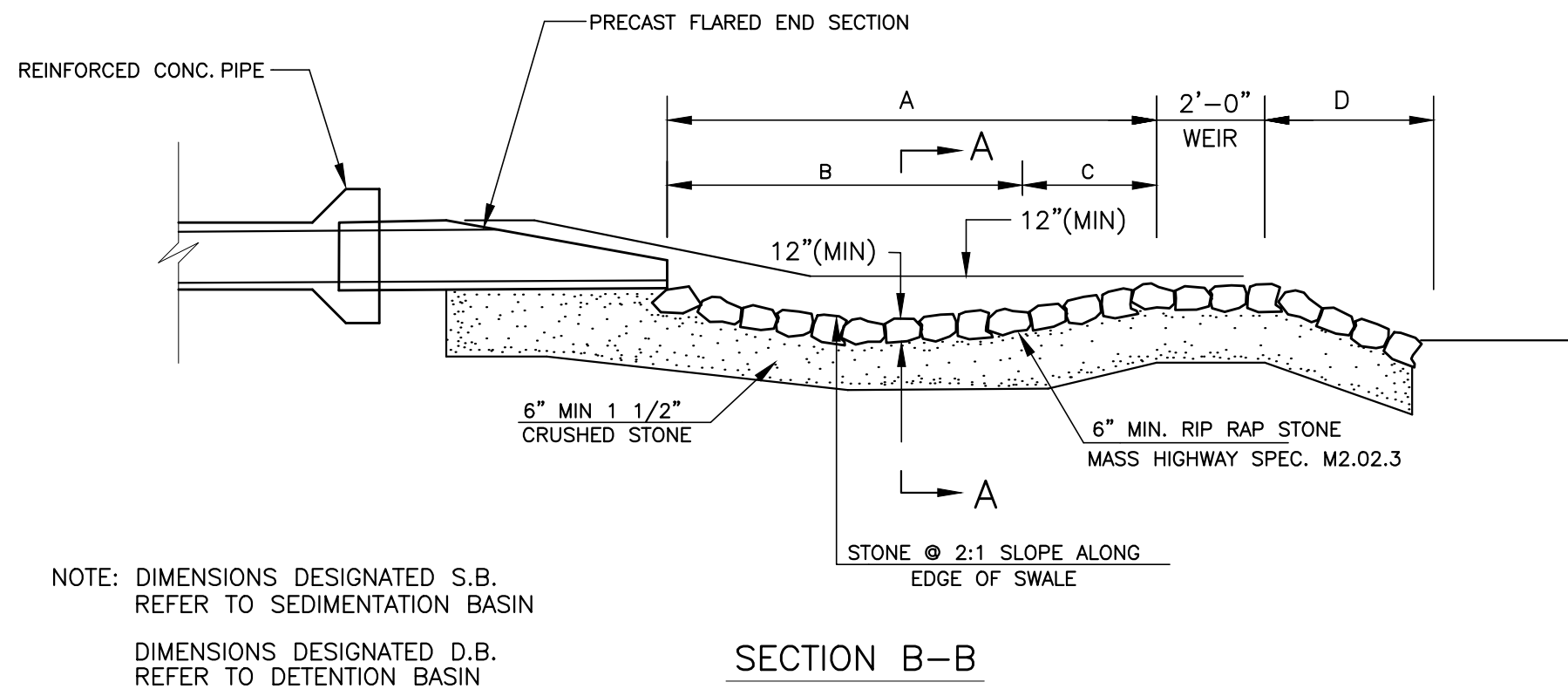
STOP SIGN SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES WITH THE EXCEPTION OF BEING DIAMOND GRADE.

12" WIDE x 12 FT LONG STOP LINE TO BE PLACED 4 FT IN ADVANCE OF NEAREST CROSSWALK.

### STOP SIGN DETAIL (NOT TO SCALE)

### CONSTRUCTION SEQUENCE:

- STAKE LIMIT OF WORK CLEARING
- INSTALL SILT SOCK EROSION CONTROL BARRIER
- CLEAR AND GRUB SITE AREAS
- INSTALL CONSTRUCTION APRON & DRIVEWAY BASE
- STAKE DRAINAGE BASIN LOCATION
- BRING CUT AREAS TO SUBGRADE
- INSTALL SILT FENCE FOR STOCKPILE AREA
- INSTALL FOUNDATION & BEGIN FRAMING
- INSTALL TEMPORARY DRAINAGE AREAS WHERE NECESSARY
- INSTALL ELECTRIC, GAS & WATER UTILITIES
- PLACE FILL MATERIAL TO BASE COURSE
- CONSTRUCT DRAINAGE BASINS
- COMPLETE FINISH GRADING
- INSTALL ENERGY DISSIPATERS AND CONNECT ALL OUTLETS
- COMPLETE BUILDING CONSTRUCTION
- INSTALL/RAISE MANHOLE STRUCTURES TO FINISH GRADE DRAIN, SEWER, LOAM & SEED DISTURBED AREAS, MULCH AND PLANT RAIN GARDEN & LANDSCAPE AREAS
- INSTALL FINISH PAVEMENT COAT
- SCHEDULE FINAL SITE INSPECTION FOR CERTIFICATION
- REMOVE SEDIMENT CONTROLS



### DETAIL — SILT TRAP, EROSION CONTROL PAD (NOT TO SCALE)

**REVISIONS**

APRIL 24, 2023	BOARD OF HEALTH PEER REVIEW
MAY 10, 2023	PLANNING BOARD PEER REVIEW
JUNE 21, 2023	PLANNING BOARD PEER REVIEW



### SITE PLAN

ASSESSORS MAP F9 LOT 11 & 12C  
#0 & 74 CONGRESS STREET  
PEMBROKE, MASSACHUSETTS

PREPARED FOR:  
WHITBARN, LLC  
29 DUCK HILL ROAD  
DUXBURY MA 02332

MARCH 13, 2023  
SCALE: AS NOTED  
JOB No. 22-286

**GRADY CONSULTING, L.L.C.**  
*Civil Engineers, Land Surveyors & Landscape Architects*  
71 Evergreen Street, Suite 1, Kingston, MA 02344  
Phone (781) 585-2300

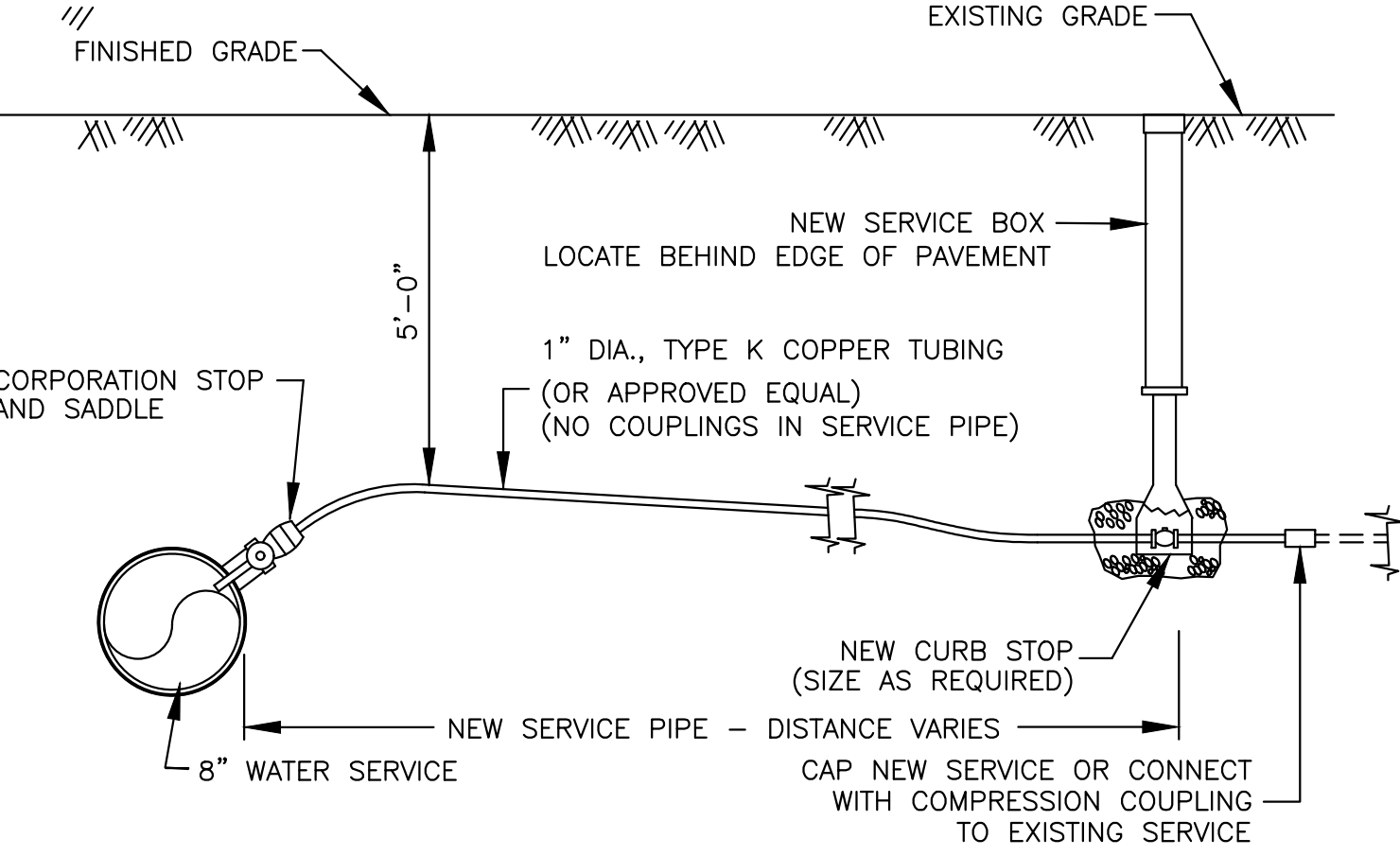
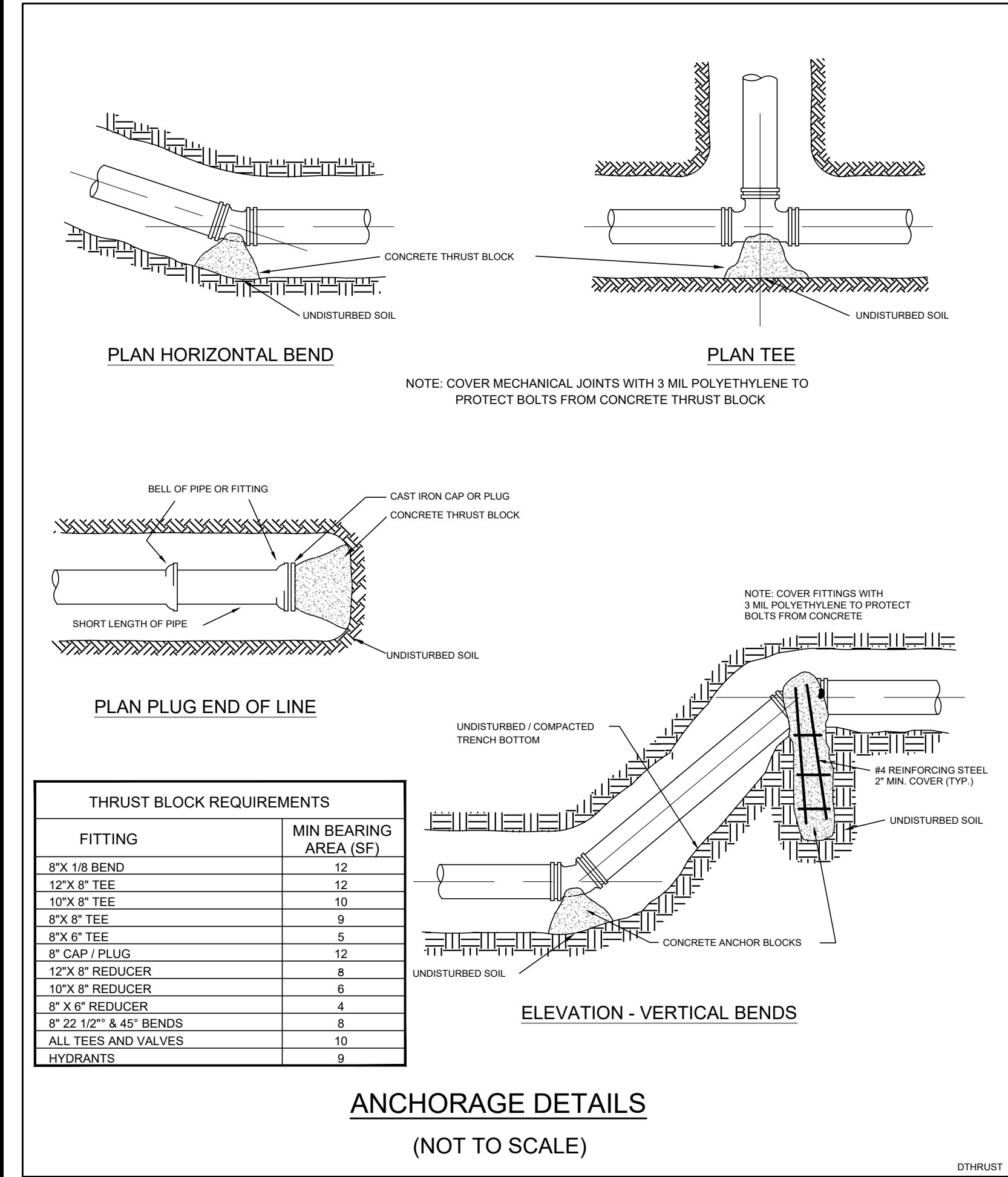


WATER SUPPLY NOTES

1. THERE SHALL BE NO PHYSICAL CONNECTION BETWEEN A PUBLIC OR PRIVATE POTABLE WATER SUPPLY SYSTEM AND A SEWER, OR APPURTENANCE THERETO WHICH WOULD PERMIT THE PASSAGE OF ANY WASTEWATER OR POLLUTED WATER INTO THE POTABLE SUPPLY.
2. THE SEWER MAY BE LAID CLOSER THAN 10 FEET TO A WATER MAIN PROVIDED THAT IT IS  
A. LAID IN A SEPARATE TRENCH, AND  
B. THE ELEVATION OF THE TOP(CROWN) OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM(INVERT) OF THE WATER MAIN.
3. WHENEVER SEWERS MUST CROSS UNDER WATER MAINS, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE TOP OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, WHEN THE ELEVATION OF THE SEWER CANNOT BE VARIED TO MEET THIS REQUIREMENT. THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THIS SEPARATION OR RECONSTRUCTED WITH MECHANICAL JOINT PIPE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE SEWER. ONE FULL LENGTH OF WATER MAIN SHOULD BE CENTERED OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE.
4. WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS STIPULATED ABOVE, BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF MECHANICAL JOINT CAST IRON PIPE AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS.

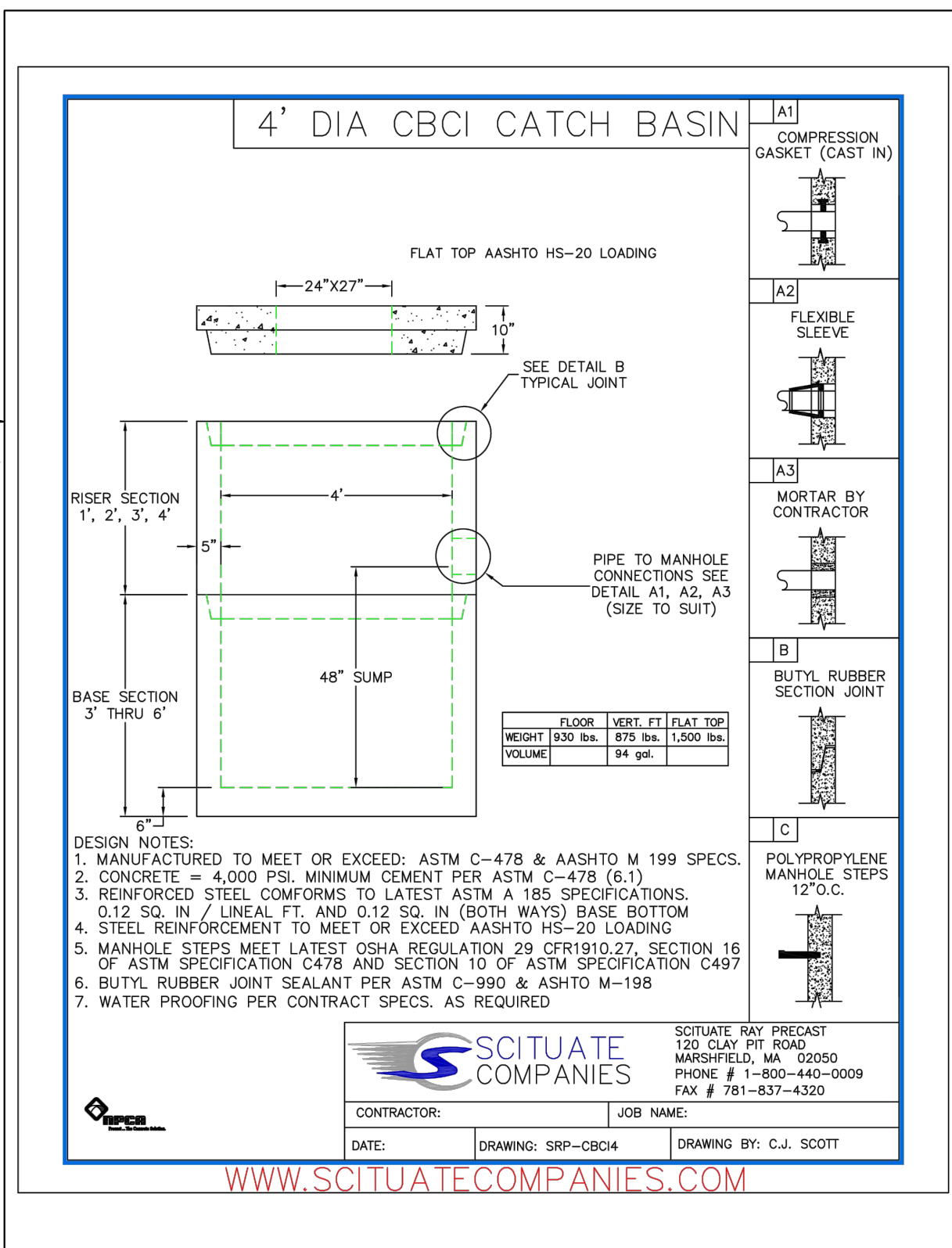
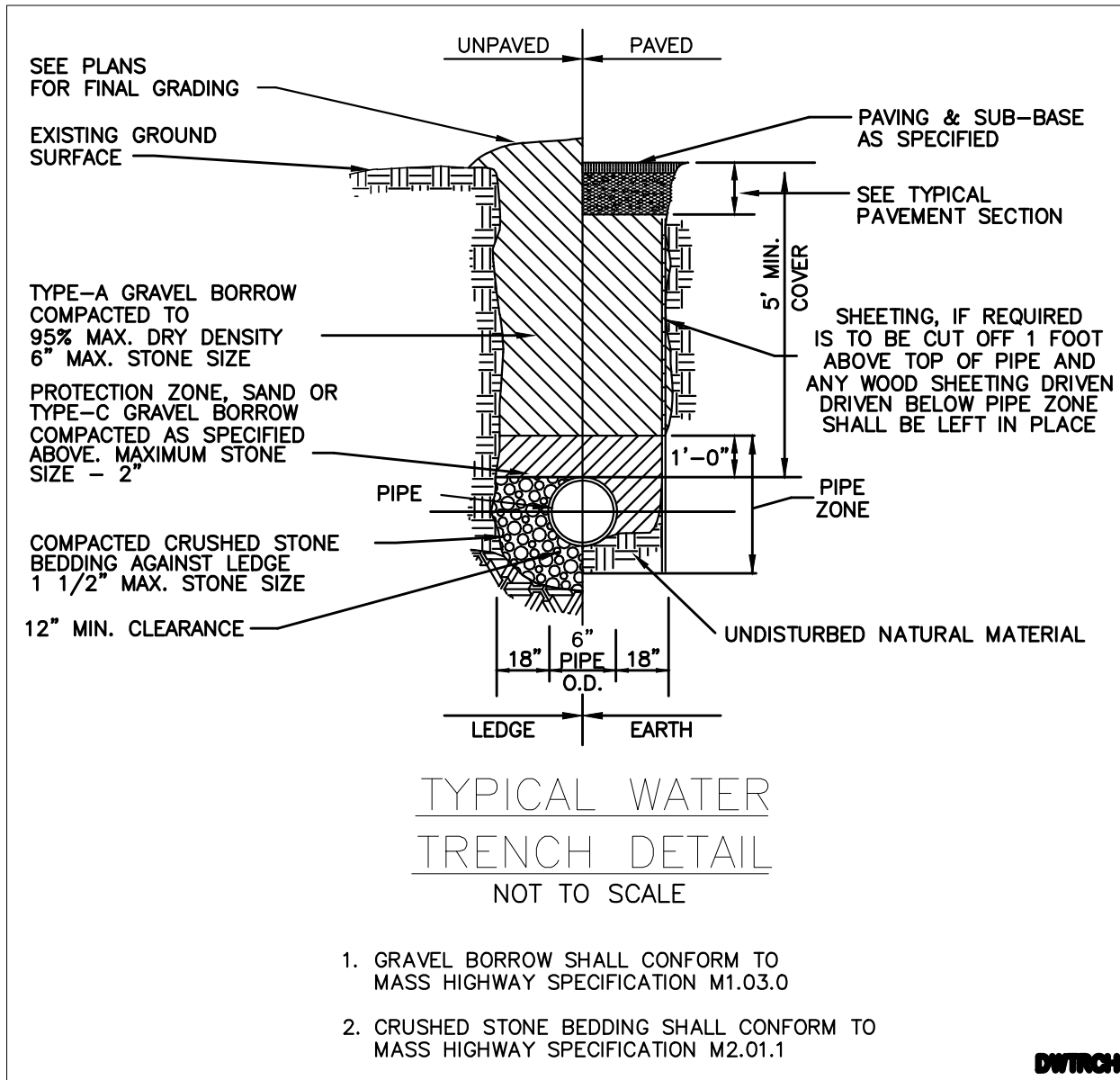
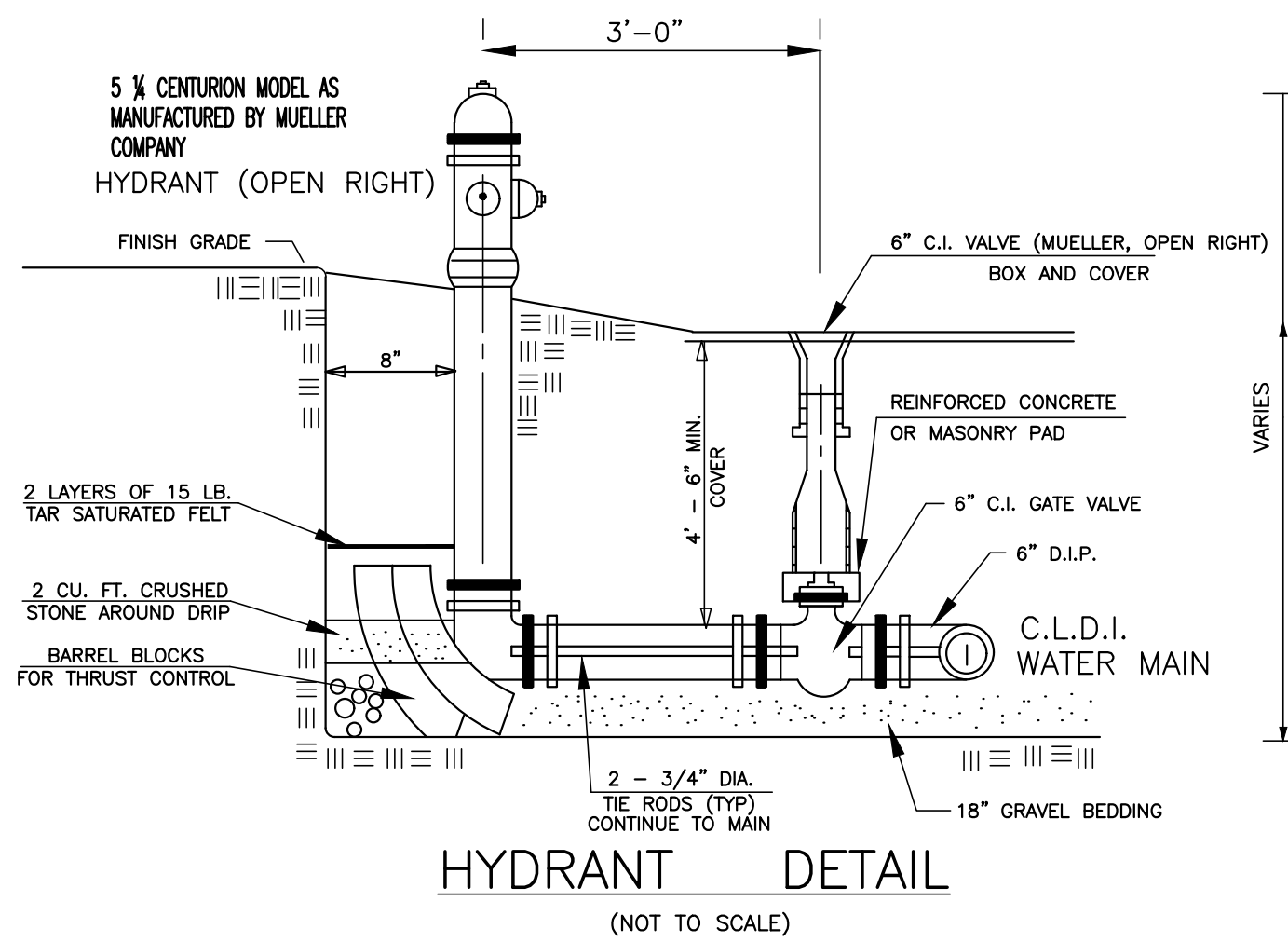
SPECIFICATIONS

1. ALL WATER MAIN PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH A WW A C 151. PIPE SHALL BE DUCTILE IRON, THICKNESS CLASS 52. THE INSIDE OF THE PIPE SHALL BE GIVEN A CEMENT LINING AND ASPHALTIC SEAL COAT IN ACCORDANCE WITH A WW A C 104.
2. ALL INSTALLED WATER PIPE SHALL HAVE FIVE FEET OF COVER MEASURED AT FINAL GRADE.
3. GENERALLY, NO PIPE SMALLER THAN EIGHT INCHES IN INTERNAL DIAMETER SHALL BE UTILIZED FOR WATER MAINS CONNECTED TO A HYDRANT.
4. ALL FITTINGS SHALL BE MECHANICAL JOINT, CONFORM TO THE REQUIREMENTS OF A WW A CL 10 OR C153, AND BE CAPABLE OF WITHSTANDING 250 PSI. "MEG-A-LUG" SERIEES 100 OR APPROVED EQUAL.
5. TAPPING SLEEVES SHALL HAVE STAINLESS STEEL WRAP TEES.
6. ALL VALVES AND FITTINGS SHALL BE BRACED AGAINST MOVEMENT UTILIZING APPROVED JOINT RESTRAINT SYSTEMS (I.E. MEGALUG/FITTINGS SERIES 1100 OR APPROVED EQUAL).
7. WATER VALVES SHALL BE RESILIENT WEDGE TYPE GATE VALVES MANUFACTURED TO AWWA C509 STANDARDS. VALVES SHALL OPEN RIGHT (CLOCKWISE). ALL VALVES THAT ARE 16 INCHES IN SIZE OR GREATER, SHALL BE BUTTERFLY VALVES. BUTTERFLY VALVES SHALL BE IN ACCORDANCE WITH "RUBBER SEATED BUTTERFLY VALVES", AWWA DESIGNATION C504. ALL GATE VALVES AND BUTTERFLY VALVES SHALL BE MANUFACTURED BY MUELLER CO.
8. GATE BOXES SHALL BE SET PLUMB AND FLUSH WITH THE GROUND SURFACE AND CONFORM TO A WWA C500. GATE VALVE BOXES SHALL BE EQUIPPED WITH PAVEMENT FLANGE.
9. NO PIPE OR FITTING SHALL BE BACKFILLED BEFORE INSPECTION BY A PERSON DESIGNATED BY THE WATER DEPARTMENT.
10. HYDRANTS SHALL CONFORM TO THE REQUIREMENTS OF AWWA C502. HYDRANTS SHALL BE SET PLUMB, WITH THE STEAMER NOZZLE FACING THE ROAD. THE AREA AROUND THE DRIPS SHALL BE FILLED WITH CLEAN STONE. APPROVED JOINT RESTRAINT FITTINGS SHALL BE UTILIZED FOR HYDRANT INSTALLATION. HYDRANTS SHALL BE PLACED SO THAT THEY ARE WITHIN ONE FOOT OF THE PROPERTY LINE AND SHALL BE THE 5/8 CENTURION MODEL AS MANUFACTURED BY MUELLER COMPANY.
11. THE COMPLETED WATER MAIN SHALL BE CHLORINATED BY USING ONE PART SOLUTION OF AVAILABLE CHLORINE IN SUCH VOLUME THAT THE RATE OF DOSAGE OF THE WATER CONTENT OF THE MAIN SHALL BE AT LEAST FIFTY PARTS PER MILLION AVAILABLE CHLORINE. THE CONTACT PERIOD SHALL BE AT LEAST TWENTY-FOUR HOURS, LONGER IF THE TEST FOR RESIDUAL CHLORINE INDICATES THAT IT IS NECESSARY FOR PROPER DISINFECTION. WATER MAIN DISINFECTION SHALL BE IN ACCORDANCE WITH AN APPROVED A WW A METHOD FOR DISINFECTING WATER MAINS. THE DEPARTMENT WILL TAKE BACTERIA SAMPLES AND PERFORM ANALYSIS. THE CUSTOMER SHALL BE RESPONSIBLE FOR FLUSHING AND PRESSURE TESTING NEW WATER MAIN. NO WATER MAIN SHALL BE PLACED INTO SERVICE UNTIL THE DEPARTMENT HAS GIVEN APPROVAL.
12. ALL DAMAGES OF WHATEVER NATURE RESULTING FROM THE WORK OR RESULTING TO THE WORK, FROM WHATEVER CAUSE SHALL BE BORNE AND SUSTAINED BY THE CONTRACTOR.
13. DAMAGE TO ANY EXISTING UNDERGROUND STRUCTURE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
14. PRESSURE TESTS OF THE NEW WATER MAIN SHALL BE CARRIED OUT AT 150 POUNDS GAUGE FOR ONE HOUR. LEAKAGE TESTS SHALL BE PERFORMED IF THE PRESSURE DROPS AFTER THE ONE HOUR TIME PERIOD. THE RATE OF LEAKAGE SHALL NOT EXCEED ONE GALLON PER DAY PER LINEAR FOOT OF JOINT.
15. THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER THE COMPLETION OF STRENGTH AND LEAKAGE TESTS.
16. IN THE CASE WHERE THE TOWN OF PEMBROKE SUPPLIES WATER TO INDIVIDUAL HOUSES IN A DEVELOPMENT AND AFTER ALL THE FOREGOING CONDITIONS HAVE BEEN MET, AND BEFORE THE TOWN ACCEPTS THE ROAD OR ROADS AND/OR UTILITIES, THE OWNER OF THE DEVELOPMENT SHALL PAY, AT COST, FOR- ANY REPAIRS TO THE MAINS AND APPURTENANCES WHICH MAY BECOME NECESSARY.
17. THE WATER MAIN SHOULD HAVE A MINIMUM OF 18" OF CLEARANCE BETWEEN ANY UTILITIES WHETHER RUNNING PARALLEL OR CROSSING A UTILITY.
18. THE WATER MAIN, FITTINGS AND HYDRANTS LATERALS SHALL BE POLYETHYLENE ENCASED WITH Y-BIO IN ANY INSTANCE THE WATER SYSTEM APPURTENANCES MAY BE INSTALLED WITHIN THE SEASONAL HIGH GROUND WATER.

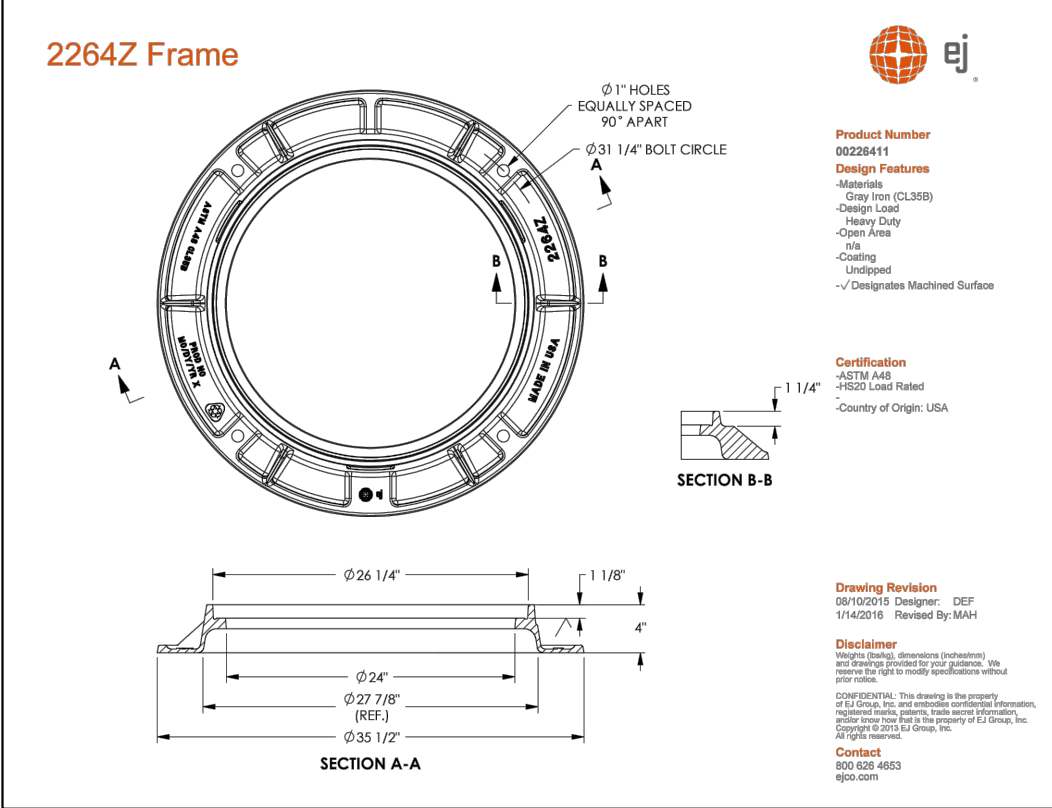
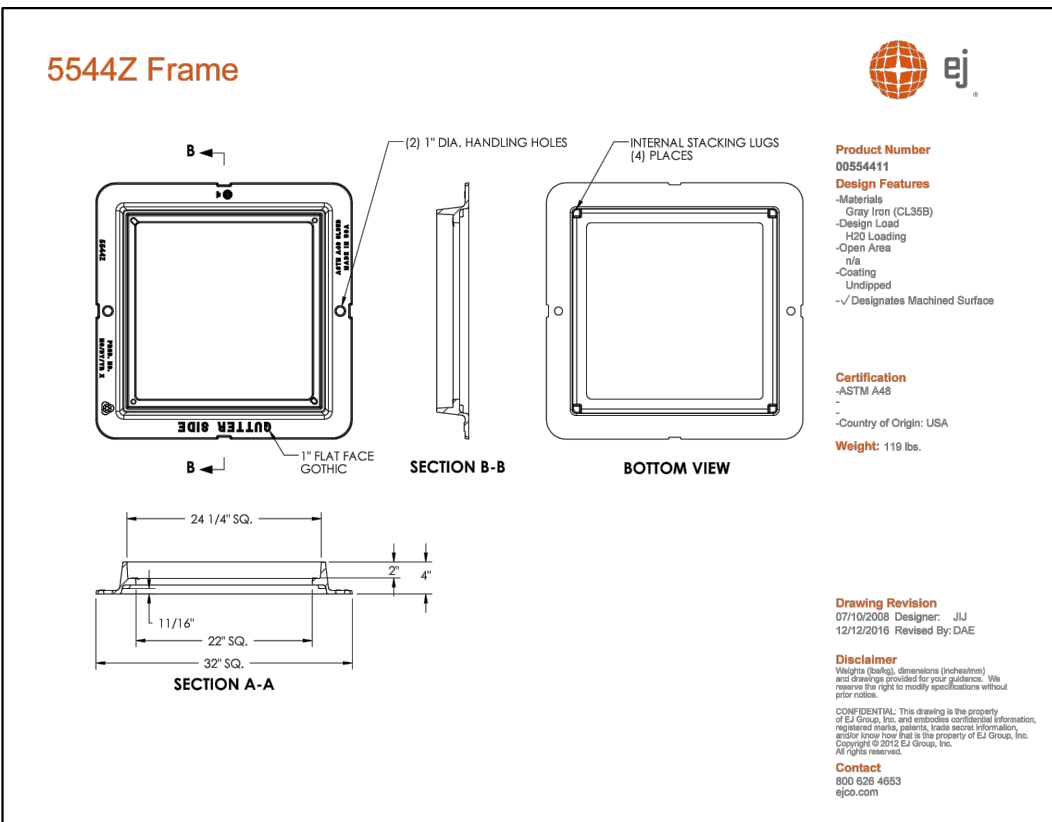
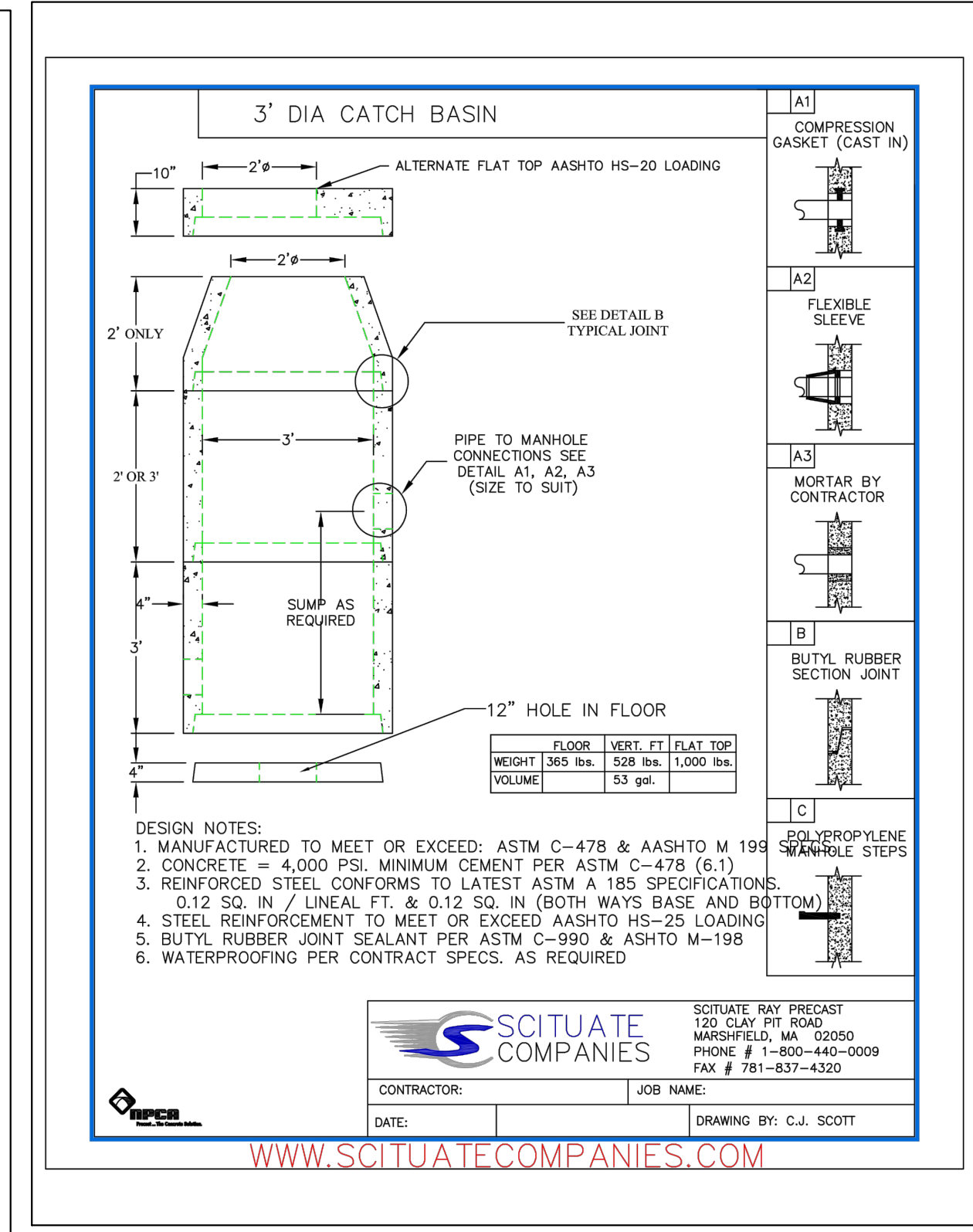
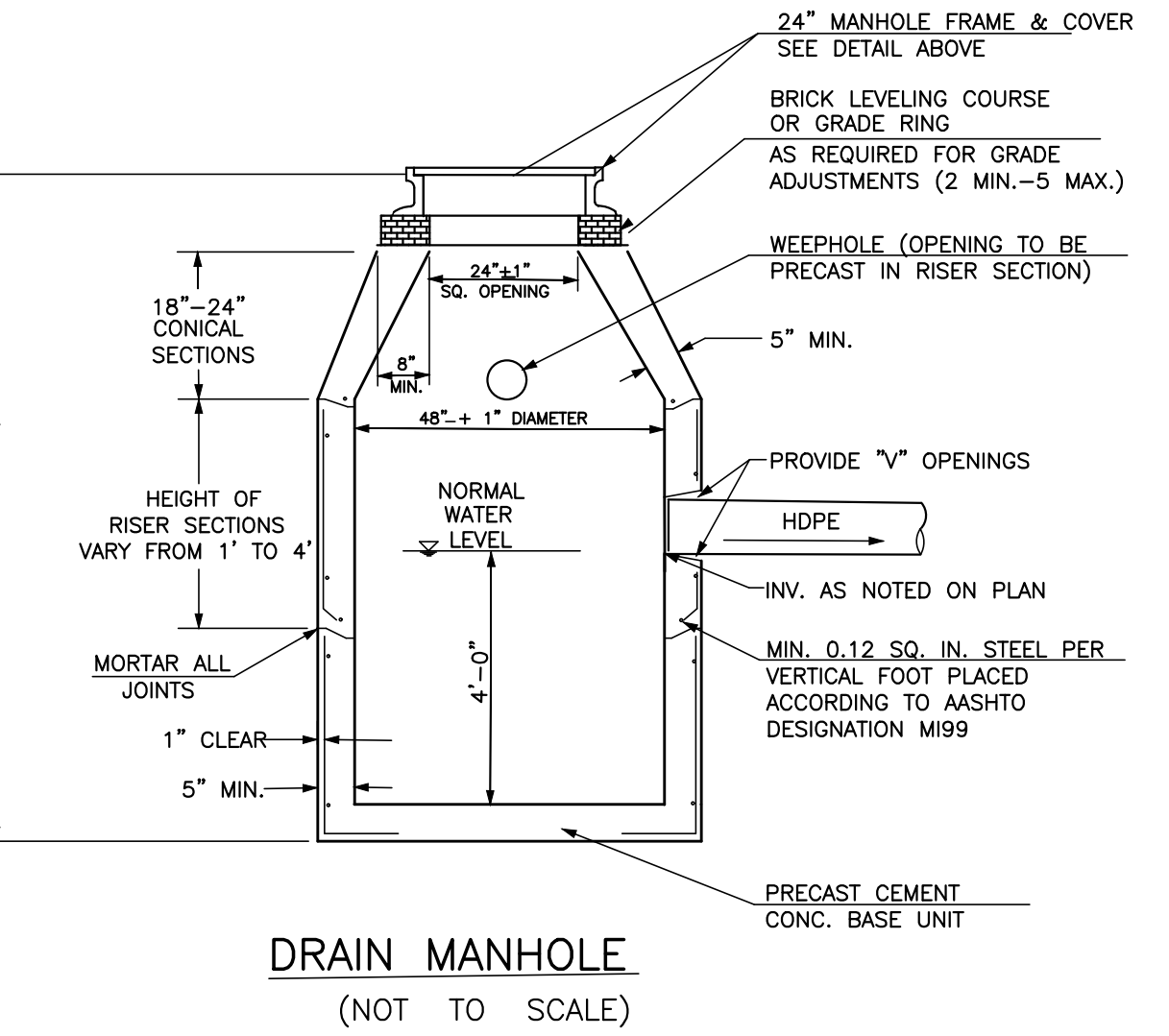


1. SERVICES SHALL CONSIST OF COPPER TUBING, A CORPORATION COCK AT THE MAIN, A CURB STOP AND CURB BOX AT THE PROPERTY LINE AND AN INSIDE VALVE AND METER ON THE OWNERS PREMISES.
2. ALL SERVICE PIPE SHALL BE OF TYPE "K" COPPER TUBING, THE SIZE TO BE DETERMINED BY THE DEPARTMENT.
3. SERVICE PIPE SHALL BE PLACED FIVE FEET BELOW FINAL GRADE.
4. SERVICE BOXES SHALL BE CENTERED OVER THE CURB STOP AND SET FLUSH WITH THE GROUND SURFACE.
5. CONNECTIONS TO WATER MAINS SHALL BE DONE BY THE DEPARTMENT. A SERVICE CHARGE WILL BE LEVIED FOR THIS SERVICE.
6. NO PIPE OR FITTING SHALL BE BACKFILLED BEFORE INSPECTION BY A PERSON DESIGNATED BY THE DEPARTMENT.
7. ALL DAMAGE OF WHATEVER NATURE RESULTING FROM THE WORK, OR RESULTING TO THE WORK FROM WHATEVER CAUSE SHALL BE BORNE AND SUSTAINED BY THE CONTRACTOR.
8. DAMAGES TO ANY EXISTING UNDERGROUND STRUCTURE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
9. NO WATER SERVICE SHALL BE INSTALLED NEARER THAN 10 FEET TO ANY SEPTIC TANK, CESSPOOL, LEACHING FIELD DRAINAGE PIT, SEWER LINE OR DRAIN LINE AS PER DEP 310 CMR, SECTION 15.211.
10. THE CONTRACTOR WILL HAVE AN APPROVED STREET OPENING PERMIT FROM THE PEMBROKE DEPARTMENT OF PUBLIC WORKS (THE DEPARTMENT) PRIOR TO THE START OF ANY WORK PERFORMED IN A PUBLIC WAY.
11. A SERVICE LINE INSTALLED BY A PRIVATE CONTRACTOR IN A PUBLIC WAY MUST BE GUARANTEED FOR ONE YEAR FROM THE DATE OF COMPLETION. THE CONTRACTOR SHALL REPAIR ANY SETTLEMENT OF THE TRENCH PAVEMENT BY A METHOD APPROVED BY THE DEPARTMENT AND AT HIS OWN EXPENSE FOR THE SAME ONE-YEAR PERIOD STARTING FROM THE DATE OF COMPLETION.

1 inch domestic water service detail

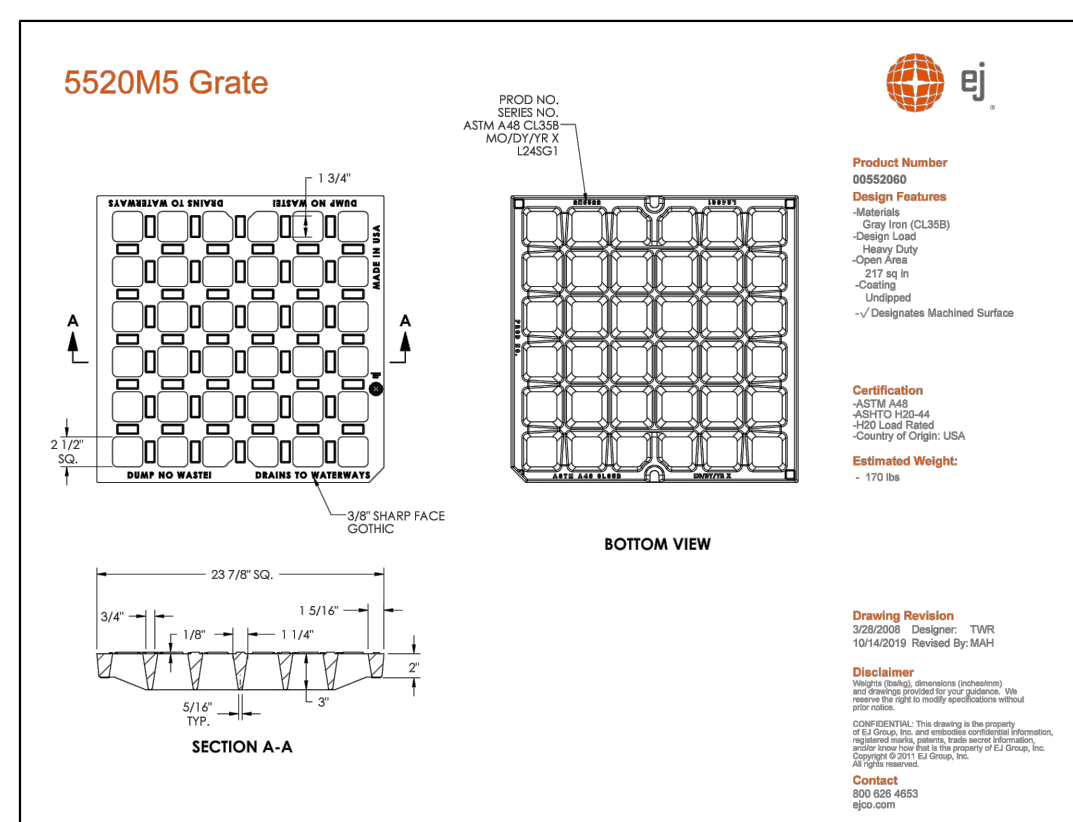


Shallow catch basin detail



Manhole grates and covers

(NOT TO SCALE)



REVISIONS	
APRIL 24, 2023	BOARD OF HEALTH PEER REVIEW
MAY 10, 2023	PLANNING BOARD PEER REVIEW
JUNE 21, 2023	PLANNING BOARD PEER REVIEW

**SITE PLAN**  
ASSESSORS MAP F9 LOT 11 & 12C  
#0 & 74 CONGRESS STREET  
PEMBROKE, MASSACHUSETTS

PREPARED FOR:  
WHATBARN, LLC  
29 DUCK HILL ROAD  
DUXBURY MA 02332

MARCH 13, 2023  
SCALE: AS NOTED  
JOB No. 22-286

**GRADY CONSULTING, L.L.C.**  
Civil Engineers, Land Surveyors & Landscape Architects  
71 Evergreen Street, Suite 1, Kingston, MA 02364  
Phone (781) 585-2300



TIMOTHY R. BENNETT P.L.S. #36856 DATE







PLAN 895 OF 1967

LESSORS PARCEL F9-38  
54 WASHINGTON STREET  
TOWN OF PEMBROKE  
D BOOK 7202 PAGE 12

BENCHMARK  
TOP OF FOUNDATION  
EL=93.63  
(NAVD 88 DATUM)

PROPOSED SWALE

Scale 1" = 20'

FOR REGISTRY USE ONLY

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN  
PREPARED IN CONFORMANCE WITH THE RULES  
AND REGULATIONS OF THE REGISTERS OF  
DEEDS OF THE COMMONWEALTH OF  
MASSACHUSETTS.

TIMOTHY R. BENNETT P.L.S. #36856 DATE

REVISIONS	
APRIL 24, 2023	BOARD OF HEALTH PEER REVIEW
MAY 10, 2023	PLANNING BOARD PEER REVIEW
JUNE 21, 2023	PLANNING BOARD PEER REVIEW

## SITE PLAN

ASSESSORS MAP F9 LOT 11 & 12C  
#0 & 74 CONGRESS STREET  
PEMBROKE, MASSACHUSETTS

PREPARED FOR:  
WHATBARN, LLC  
29 DUCK HILL ROAD  
DUXBURY MA 02332

MARCH 13, 2023  
SCALE: AS NOTED  
JOB No. 22-286

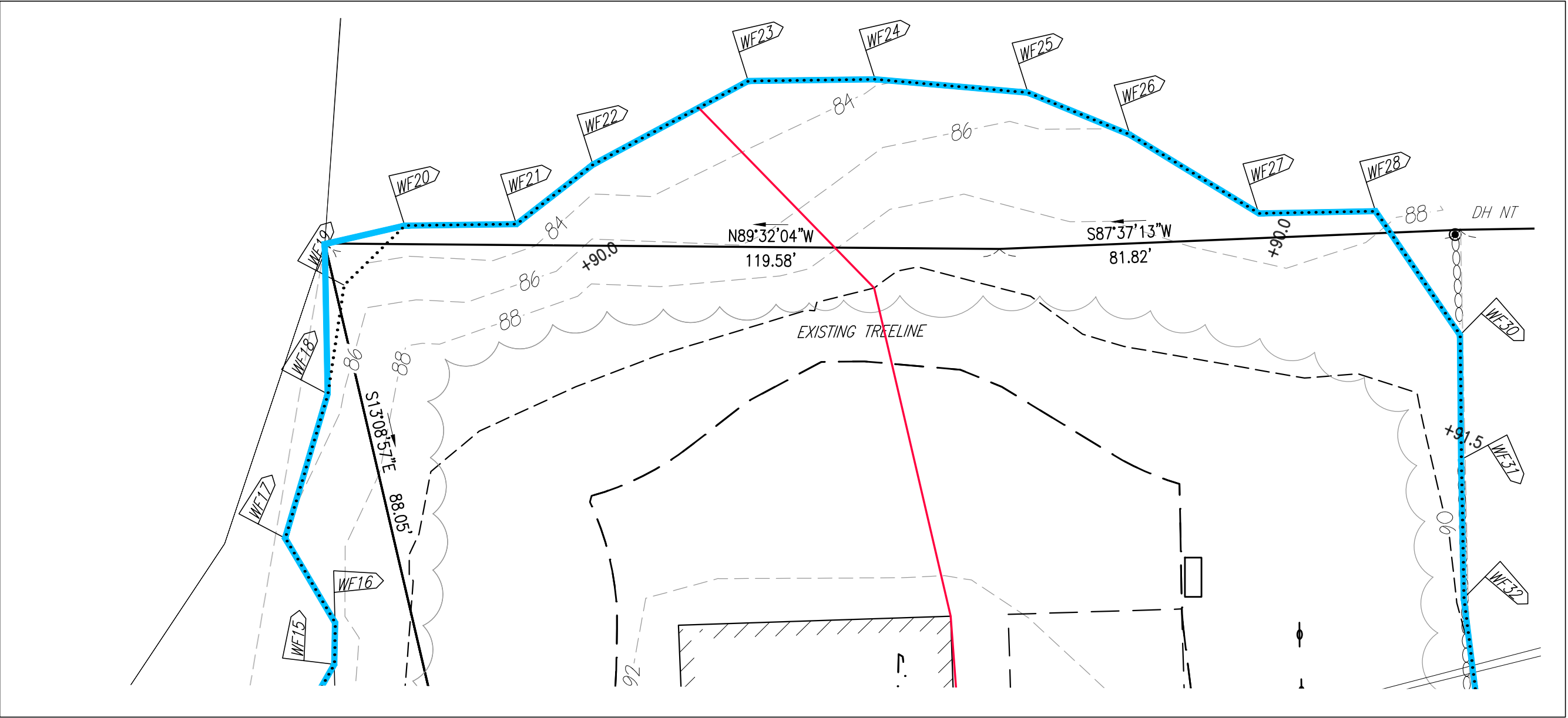
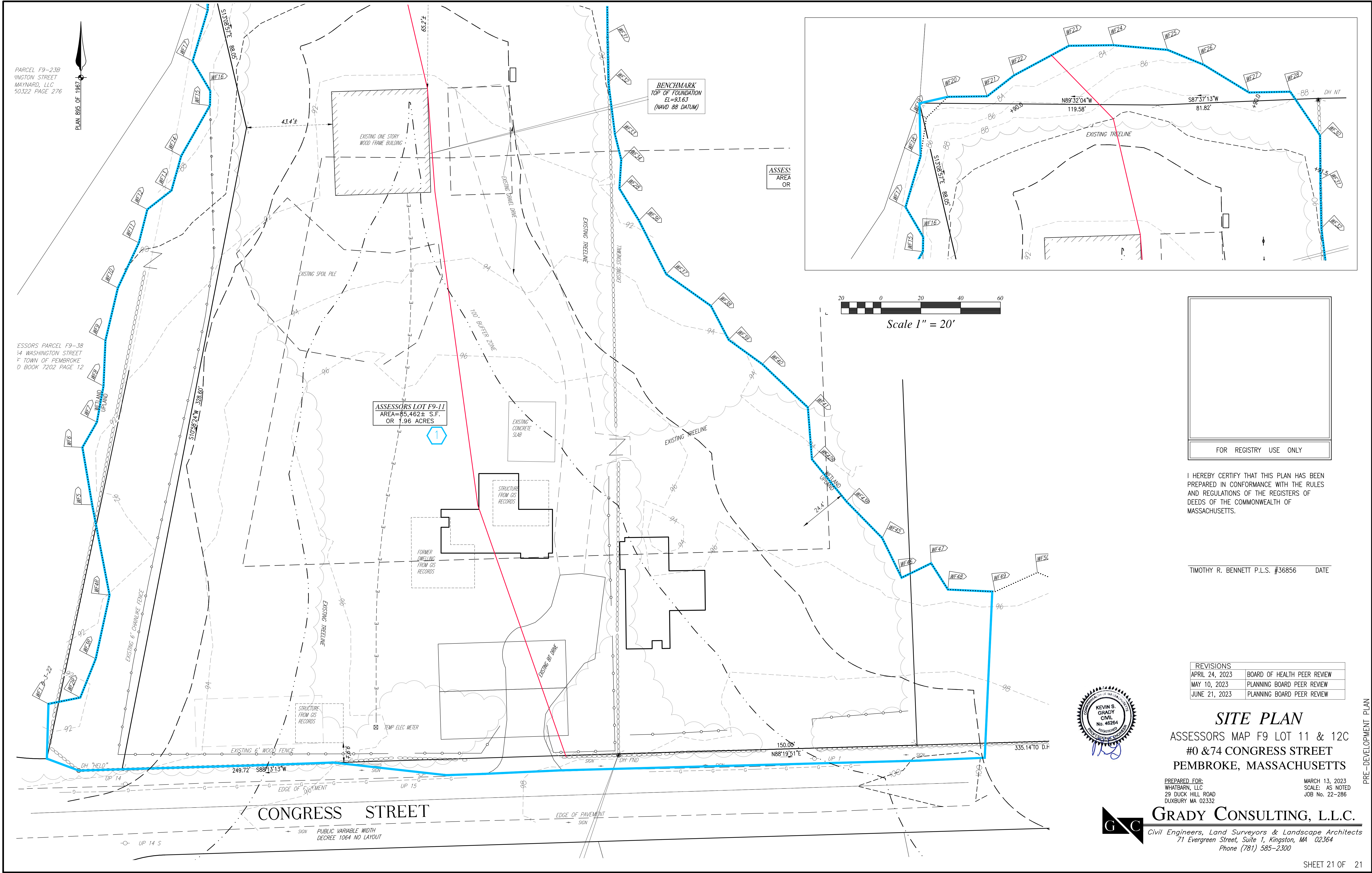
**GRADY CONSULTING, L.L.C.**

Civil Engineers, Land Surveyors & Landscape Architects  
71 Evergreen Street, Suite 1, Kingston, MA 02364  
Phone (781) 585-2300

SHEET 20 OF 21

3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200  
201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259  
260  
261  
262  
263  
264  
265  
266  
267  
268  
269  
270  
271  
272  
273  
274  
275  
276  
277  
278  
279  
280  
281  
282  
283  
284  
285  
286  
287  
288  
289  
290  
291  
292  
293  
294  
295  
296  
297  
298  
299  
300  
301  
302  
303  
304  
305  
306  
307  
308  
309  
310  
311  
312  
313  
314  
315  
316  
317  
318  
319  
320  
321  
322  
323  
324  
325  
326  
327  
328  
329  
330  
331  
332  
333  
334  
335  
336  
337  
338  
339  
340  
341  
342  
343  
344  
345  
346  
347  
348  
349  
350  
351  
352  
353  
354  
355  
356  
357  
358  
359  
360  
361  
362  
363  
364  
365  
366  
367  
368  
369  
370  
371  
372  
373  
374  
375  
376  
377  
378  
379  
380  
381  
382  
383  
384  
385  
386  
387  
388  
389  
390  
391  
392  
393  
394  
395  
396  
397  
398  
399  
400  
401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414  
415  
416  
417  
418  
419  
420  
421  
422  
423  
424  
425  
426  
427  
428  
429  
430  
431  
432  
433  
434  
435  
436  
437  
438  
439  
440  
441  
442  
443  
444  
445  
446  
447  
448  
449  
450  
451  
452  
453  
454  
455  
456  
457  
458  
459  
460  
461  
462  
463  
464  
465  
466  
467  
468  
469  
470  
471  
472  
473  
474  
475  
476  
477  
478  
479  
480  
481  
482  
483  
484  
485  
486  
487  
488  
489  
490  
491  
492  
493  
494  
495  
496  
497  
498  
499  
500  
501  
502  
503  
504  
505  
506  
507  
508  
509  
510  
511  
512  
513  
514  
515  
516  
517  
518  
519  
520  
521  
522  
523  
524  
525  
526  
527  
528  
529  
530  
531  
532  
533  
534  
535  
536  
537  
538  
539  
540  
541  
542  
543  
544  
545  
546  
547  
548  
549  
550  
551  
552  
553  
554  
555  
556  
557  
558  
559  
560  
561  
562  
563  
564  
565  
566  
567  
568  
569  
570  
571  
572  
573  
574  
575  
576  
577  
578  
579  
580  
581  
582  
583  
584  
585  
586  
587  
588  
589  
590  
591  
592  
593  
594  
595  
596  
597  
598  
599  
600  
601  
602  
603  
604  
605  
606  
607  
608  
609  
610  
611  
612  
613  
614  
615  
616  
617  
618  
619  
620  
621  
622  
623  
624  
625  
626  
627  
628  
629  
630  
631  
632  
633  
634  
635  
636  
637  
638  
639  
640  
641  
642  
643  
644  
645  
646  
647  
648  
649  
650  
651  
652  
653  
654  
655  
656  
657  
658  
659  
660  
661  
662  
663  
664  
665  
666  
667  
668  
669  
670  
671  
672  
673  
674  
675  
676  
677  
678  
679  
680  
681  
682  
683  
684  
685  
686  
687  
688  
689  
690  
691  
692  
693  
694  
695  
696  
697  
698  
699  
700  
701  
702  
703  
704  
705  
706  
707  
708  
709  
710  
711  
712  
713  
714  
715  
716  
717  
718  
719  
720  
721  
722  
723  
724  
725  
726  
727  
728  
729  
730  
731  
732  
733  
734  
735  
736  
737  
738  
739  
740  
741  
742  
743  
744  
745  
746  
747  
748  
749  
750  
751  
752  
753  
754  
755  
756  
757  
758  
759  
760  
761  
762  
763  
764  
765  
766  
767  
768  
769  
770  
771  
772  
773  
774  
775  
776  
777  
778  
779  
780  
781  
782  
783  
784  
785  
786  
787  
788  
789  
790  
791  
792  
793  
794  
795  
796  
797  
798  
799  
800  
801  
802  
803  
804  
805  
806  
807  
808  
809  
810  
811  
812  
813  
814  
815  
816  
817  
818  
819  
820  
821  
822  
823  
824  
825  
826  
827  
828  
829  
830  
831  
832  
833  
834  
835  
836  
837  
838  
839  
840  
841  
842



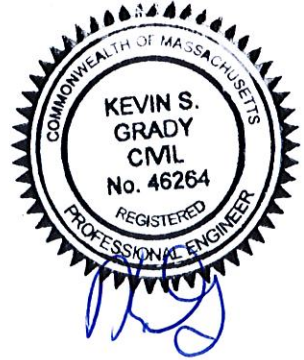


FOR REGISTRY USE ONLY

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

TIMOTHY R. BENNETT P.L.S. #36856 DATE

REVISIONS	
APRIL 24, 2023	BOARD OF HEALTH PEER REVIEW
MAY 10, 2023	PLANNING BOARD PEER REVIEW
JUNE 21, 2023	PLANNING BOARD PEER REVIEW



**SITE PLAN**  
ASSESSORS MAP F9 LOT 11 & 12C  
#0 & 74 CONGRESS STREET  
PEMBROKE, MASSACHUSETTS

PREPARED FOR:  
WHATABARN, LLC  
29 DUCK HILL ROAD  
DUXBURY MA 02332

MARCH 13, 2023  
SCALE: AS NOTED  
JOB No. 22-286

**GRADY CONSULTING, L.L.C.**  
Civil Engineers, Land Surveyors & Landscape Architects  
71 Evergreen Street, Suite 1, Kingston, MA 02364  
Phone (781) 585-2300