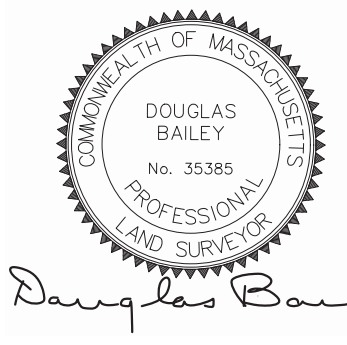


**RECORD OWNER:**  
 ASSESSOR MAP 36 LOT 105  
 71 EVERGREEN, L.L.C.  
 71 EVERGREEN STREET, SUITE 1  
 KINGSTON, MA 02364  
 DEED BOOK 44124 PAGE 306  
 LOT 105 - PLAN No. 81 OF 2014  
 PLAN BOOK 58 PAGE 551

- PLAN REFERENCES**
1. PLAN BOOK 42 PAGE 485
  2. PLAN No. 153 OF 1974, BOOK 3967 PAGE 517
  3. PLAN No. 158 OF 1972
  4. PLAN No. 459 OF 1970, PLAN BOOK 15 PAGE 641

- SHEET INDEX**
- SHEET 1 - COVER
  - SHEET 2 - ZONING
  - SHEET 3 - EXISTING CONDITIONS
  - SHEET 4 - SITE PLAN
  - SHEET 5 - LANDSCAPE & LIGHTING
  - SHEET 6 - DRAINAGE/TRIBUTARY AREAS
  - SHEET 7 - DRAINAGE/TRIBUTARY AREAS
  - SHEET 8 - DETAILS
  - SHEET 9 - DETAILS



DOUGLAS BAILEY P.L.S. #35385

REVISIONS	REVIEW COMMENTS
10/14/20	

**SITE PLAN**  
**CJ SHAUGHNESSY MOBILE CRANE SERVICE**  
**#540 BODWELL STREET EXT.**  
**AVON, MASSACHUSETTS**

PREPARED FOR:  
 CHRIS SHAUGHNESSY  
 CJ SHAUGHNESSY REALTY TRUST  
 520 BODWELL STREET EXT.  
 AVON, MA 02322

JUNE 29, 2020  
 SCALE: 1"=30'  
 JOB No. 20-067

**GRADY CONSULTING, L.L.C.**  
 Civil Engineers, Land Surveyors &  
 Landscape Architects  
 71 Evergreen Street, Suite 1, Kingston, MA 02364  
 Phone (781) 585-2300 Fax (781) 585-2378

COVER SHEET



## ZONING DATA

DISTRICT: INDUSTRIAL DISTRICT

### MINIMUM REQUIREMENTS

	REQUIRED	EXISTING	PROPOSED
LOT AREA (SF)	40,000 SF	59,048 SF	59,048 SF
MIN. LOT FRONTAGE	200 FT	*136.17 FT	*136.17 FT
FRONT SETBACK	40 FT	37.9 FT	42.2 FT
SIDE SETBACK	25 FT	25.1 FT, 45 FT	25.9 FT, 29.2 FT
REAR SETBACK	40 FT	268.2 FT	191.3 FT
MAX. BUILDING HEIGHT	40 FT	15 FT	25 FT
MAX. BUILDING COVERAGE	60%	10.7%	24%

\*FRONTAGE VARIANCE GRANTED FOR LOT B-2 AS SHOWN ON \*PLAN TO SHOW DIVISION OF LAND AT 520 BODWELL STREET, AVON MA. SURVEYED FOR MARK ANGELOS, SURVEYED BY RIBELIN LAND SURVEYORS, INC., DATED MARCH 12, 1997.

### PARKING REQUIREMENTS

USE: COMMERCIAL WAREHOUSE  
 1 SPACE/1,000 SF GROSS FLOOR AREA x 14,025 SF PROPOSED BUILDING = 14.0 SPACES

14 SPACES REQUIRED - 14 SPACES PROPOSED INCLUDING 1 HANDICAP SPACE

### NOTES:

PROPERTY LINE, STREET LINE AND OWNER INFORMATION WAS COMPILED FROM RECORDS ON FILE AT THE NORFOLK COUNTY REGISTRY OF DEEDS AND THE TOWN OF AVON ASSESSORS DEPARTMENT.

TOPOGRAPHY INFORMATION SHOWN ON THIS PLAN IS BASED UPON AN ON THE GROUND SURVEY PERFORMED BY GRADY CONSULTING, L.L.C. ON MARCH 2020.

ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.

THE SITE IS NOT LOCATED IN AN AQUIFER PROTECTION ZONE II.

SUBJECT SITE IS IN AN INDUSTRIAL DISTRICT AS DEPICTED ON THE TOWN OF AVON ZONING MAP.

EXISTING UTILITIES, WHERE SHOWN, HAVE BEEN COMPILED BASED ON OBSERVED ABOVE GROUND EVIDENCE ONLY AND ARE TO BE CONSIDERED APPROXIMATE. GRADY CONSULTING, L.L.C. DOES NOT GUARANTEE THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN OR THAT ALL EXISTING UTILITIES AND/OR SUBSURFACE STRUCTURES ARE SHOWN.

### FLOOD NOTE:

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS LOCATED IN ZONE X AS DEPICTED ON FLOOD INSURANCE RATE MAP, COMMUNITY PANEL No. 250231 0218E, WHICH BEARS AN EFFECTIVE DATE OF JULY 17, 2012

REVISIONS	REVIEW COMMENTS
10/14/20	

## SITE PLAN

**CJ SHAUGHNESSY MOBILE CRANE SERVICE**  
**#540 BODWELL STREET EXT.**  
**AVON, MASSACHUSETTS**

PREPARED FOR:  
 CHRIS SHAUGHNESSY  
 CJ SHAUGHNESSY REALTY TRUST  
 520 BODWELL STREET EXT.  
 AVON, MA 02322

JUNE 29, 2020  
 SCALE: 1"=30'  
 JOB No. 20-067

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 71 Evergreen Street, Suite 1, Kingston, MA 02364  
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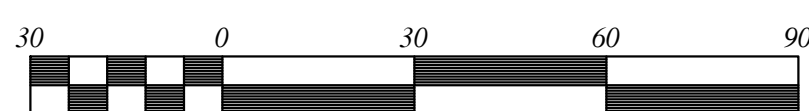
**RECORD OWNER:**  
 ASSESSOR MAP B8 LOT 1-8

MARK AND WILLIAM ANGELOS  
 TRUSTEES OF AJM REALTY TRUST  
 540 BODWELL STREET EXT.  
 AVON, MA 02322

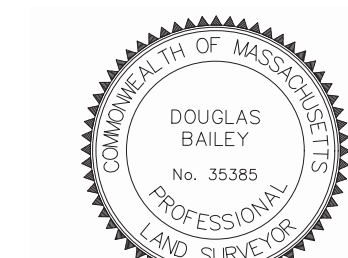
DEED BOOK 11754 PAGE 727  
 LOT B2 - PLAN NUMBER 681 OF 1997 BOOK 451

### PLAN REFERENCES

- PLAN #681 OF 1997 BOOK 451

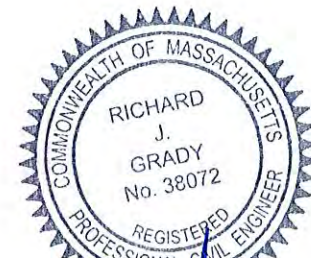


Scale 1" = 30'



Douglas Bailey

DOUGLAS BAILEY P.L.S. #35385



Richard J. Grady

REGISTERED PROFESSIONAL LAND SURVEYOR

ZONING SHEET



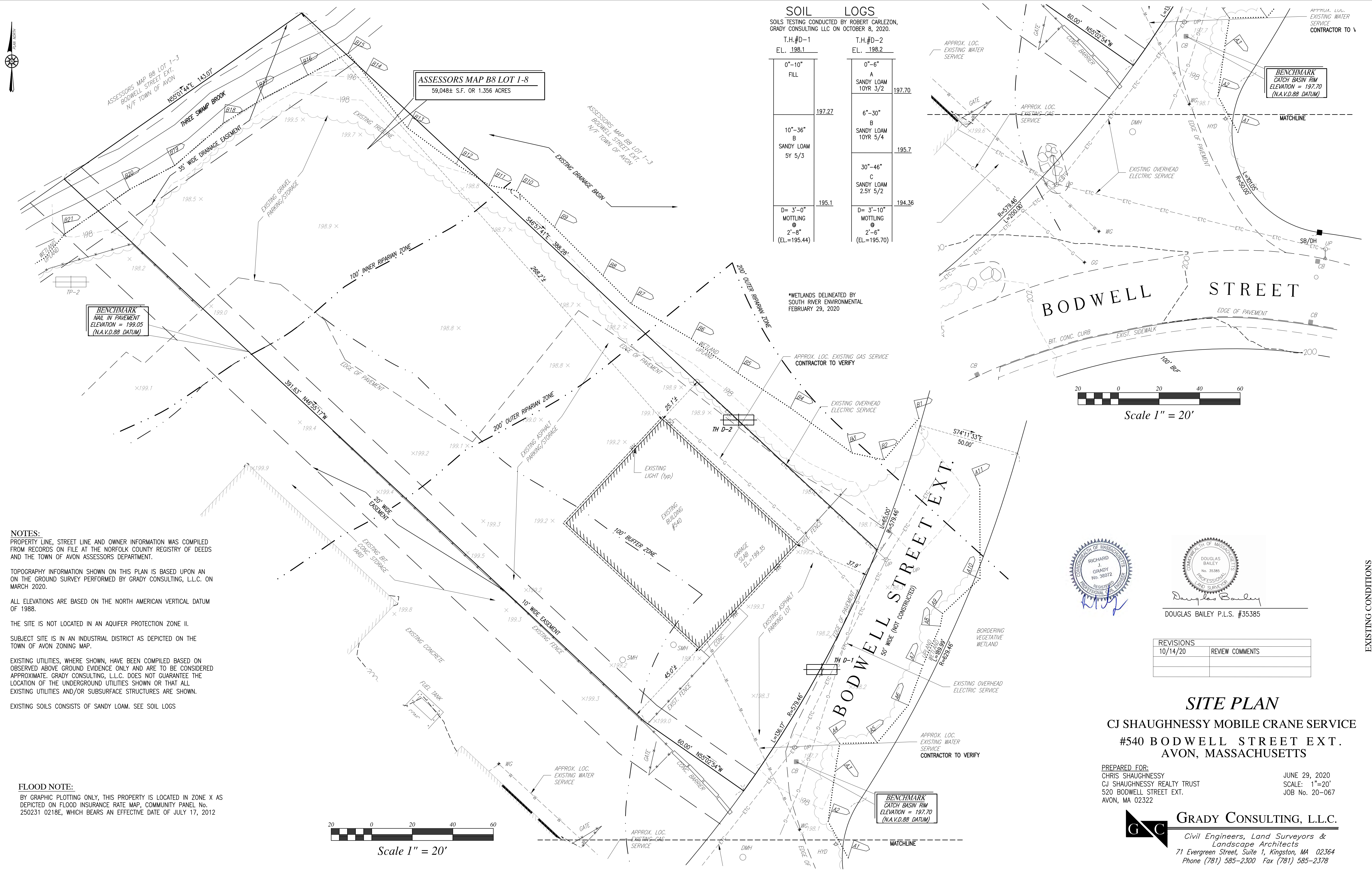
**ASSESSORS MAP B8 LOT 1-8**  
59,048± S.F. OR 1.356 ACRES

**SOIL LOGS**

SOILS TESTING CONDUCTED BY ROBERT CARLEZON,  
GRADY CONSULTING LLC ON OCTOBER 8, 2020.

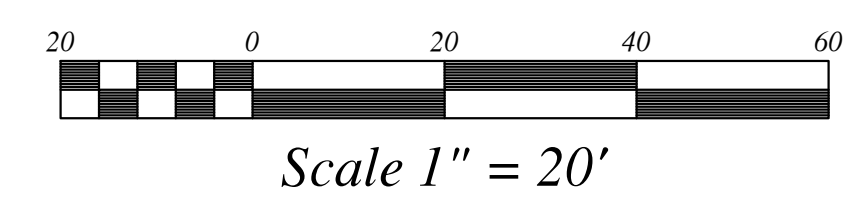
T.H.#D-1 EL. 198.1	T.H.#D-2 EL. 198.2
0"-10" FILL	0"-6" A SANDY LOAM 10YR 3/2
197.27	197.70
10"-36" B SANDY LOAM 5Y 5/3	6"-30" B SANDY LOAM 10YR 5/4
195.1	195.7
D= 3'-0" MOTTLING @ 2'-8" (EL.=195.44)	30"-46" C SANDY LOAM 2.5Y 5/2
	194.36
	D= 3'-10" MOTTLING @ 2'-6" (EL.=195.70)

\*WETLANDS DELINEATED BY  
SOUTH RIVER ENVIRONMENTAL  
FEBRUARY 29, 2020



**BENCHMARK**  
NAIL IN PAVEMENT  
ELEVATION = 199.05  
(N.A.V.D.88 DATUM)

**BENCHMARK**  
CATCH BASIN RIM  
ELEVATION = 197.70  
(N.A.V.D.88 DATUM)



**NOTES:**  
PROPERTY LINE, STREET LINE AND OWNER INFORMATION WAS COMPILED FROM RECORDS ON FILE AT THE NORFOLK COUNTY REGISTRY OF DEEDS AND THE TOWN OF AVON ASSESSORS DEPARTMENT.

TOPOGRAPHY INFORMATION SHOWN ON THIS PLAN IS BASED UPON AN ON THE GROUND SURVEY PERFORMED BY GRADY CONSULTING, L.L.C. ON MARCH 2020.

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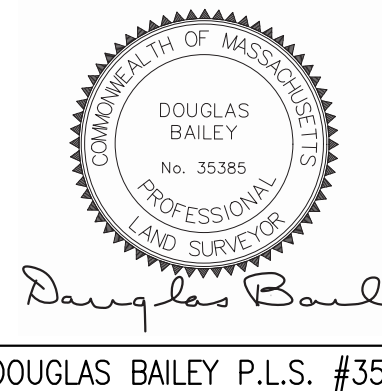
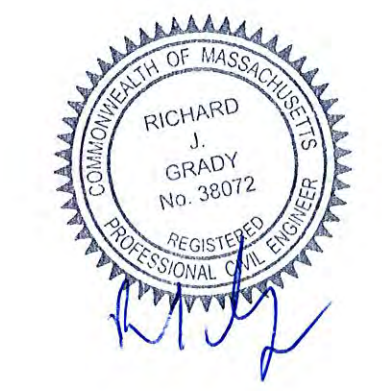
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EXISTING SOILS CONSISTS OF SANDY LOAM. SEE SOIL LOGS

**FLOOD NOTE:**

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS LOCATED IN ZONE X AS DEPICTED ON FLOOD INSURANCE RATE MAP, COMMUNITY PANEL No. 250231 0218E, WHICH BEARS AN EFFECTIVE DATE OF JULY 17, 2012



Douglas Bailey  
DOUGLAS BAILEY P.L.S. #35385

REVISIONS	REVIEW COMMENTS
10/14/20	

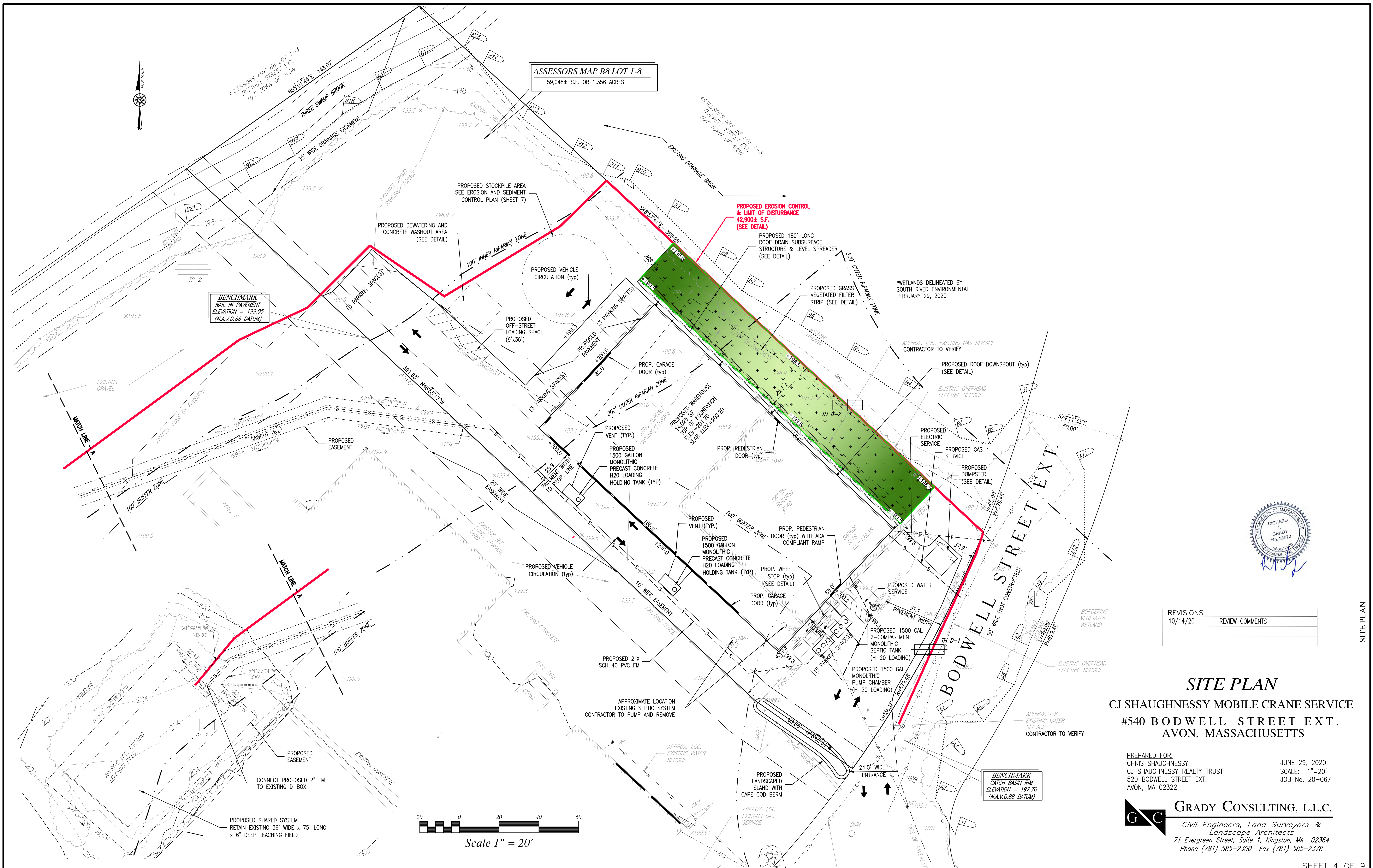
**SITE PLAN**  
CJ SHAUGHNESSY MOBILE CRANE SERVICE  
#540 BODWELL STREET EXT.  
AVON, MASSACHUSETTS

PREPARED FOR:  
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520 BODWELL STREET EXT.  
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JUNE 29, 2020  
SCALE: 1"=20'  
JOB No. 20-067

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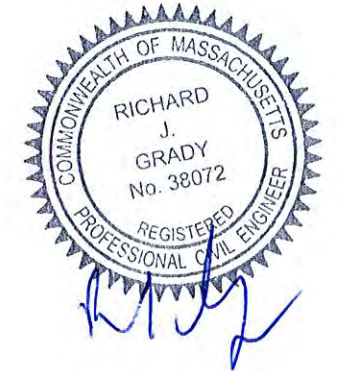


**ASSESSORS MAP B8 LOT 1-8**  
59,048± S.F. OR 1.356 ACRES

**BENCHMARK**  
NAIL IN PAVEMENT  
ELEVATION = 199.05  
(N.A.V.D. 88 DATUM)

**PROPOSED EROSION CONTROL & LIMIT OF DISTURBANCE**  
42,900± S.F.  
(SEE DETAIL)

\*WETLANDS DELINEATED BY  
SOUTH RIVER ENVIRONMENTAL  
FEBRUARY 29, 2020



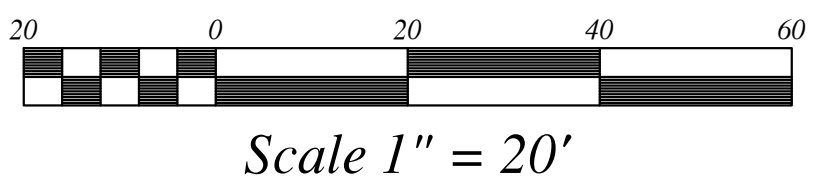
REVISIONS	
DATE	REVIEW COMMENTS
10/14/20	

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CJ SHAUGHNESSY MOBILE CRANE SERVICE  
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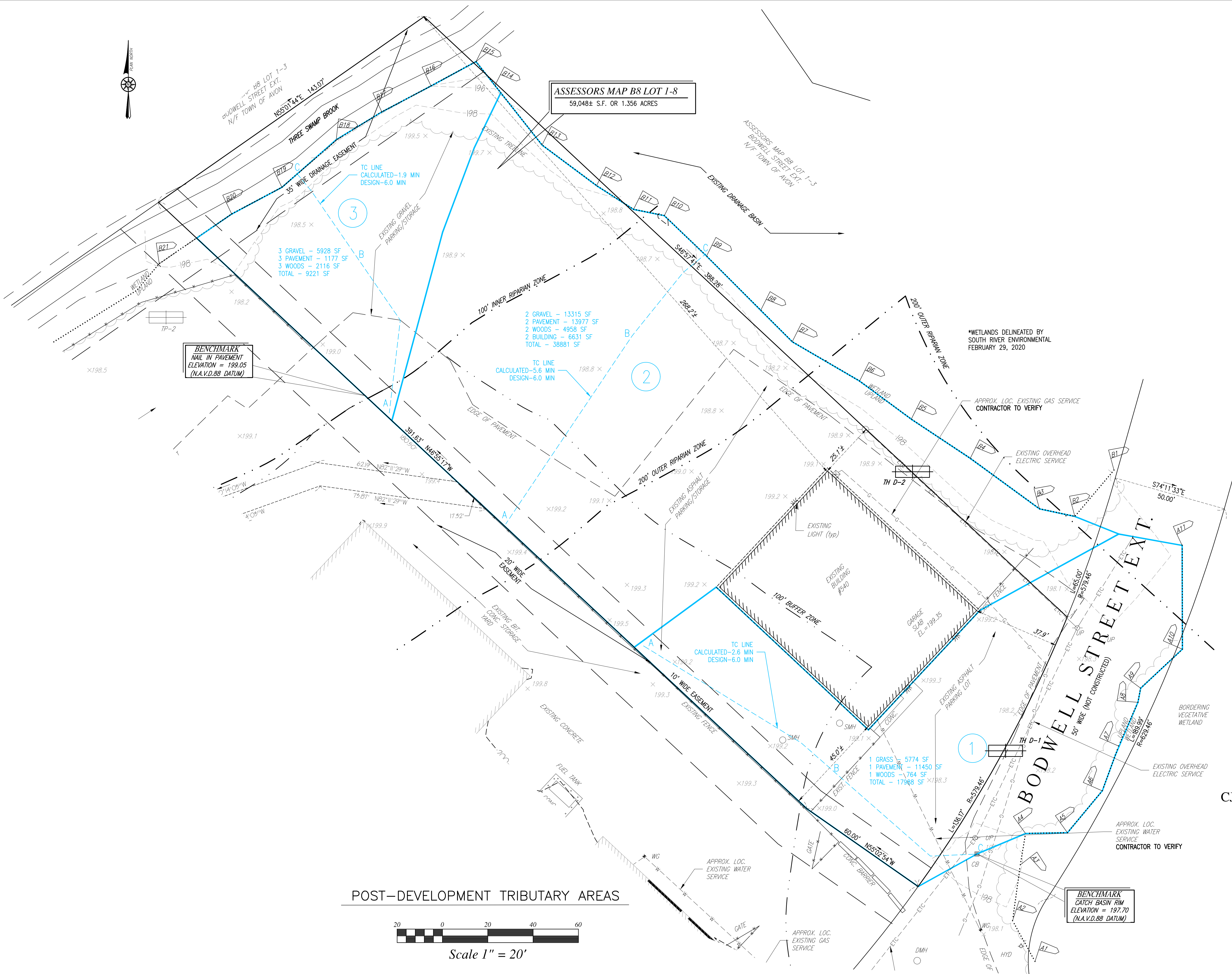


SITE PLAN





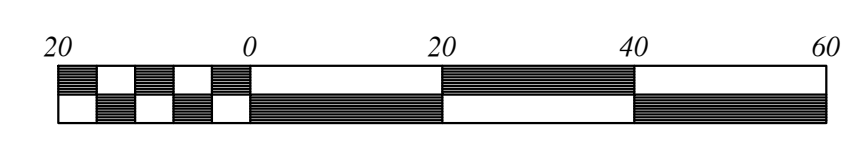




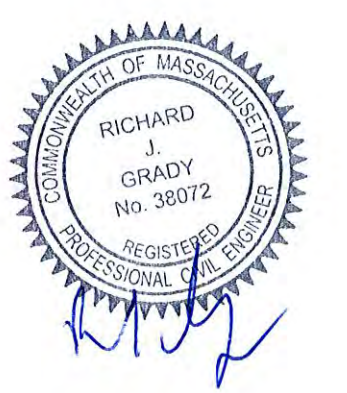
BENCHMARK  
NAIL IN PAVEMENT  
ELEVATION = 199.05  
(N.A.V.D.88 DATUM)

ASSESSORS MAP B8 LOT 1-8  
59,048± S.F. OR 1.356 ACRES

POST-DEVELOPMENT TRIBUTARY AREAS



Scale 1" = 20'



REVISIONS	REVIEW COMMENTS
10/14/20	

### SITE PLAN

CJ SHAUGHNESSY MOBILE CRANE SERVICE  
#540 BODWELL STREET EXT.  
AVON, MASSACHUSETTS

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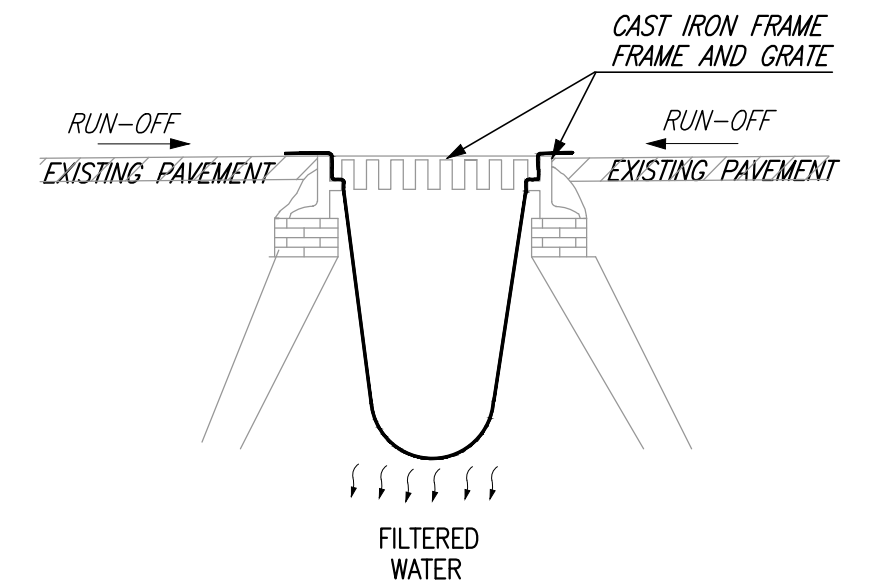
JUNE 29, 2020  
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PRE-DEVELOPMENT TRIBUTARY AREAS



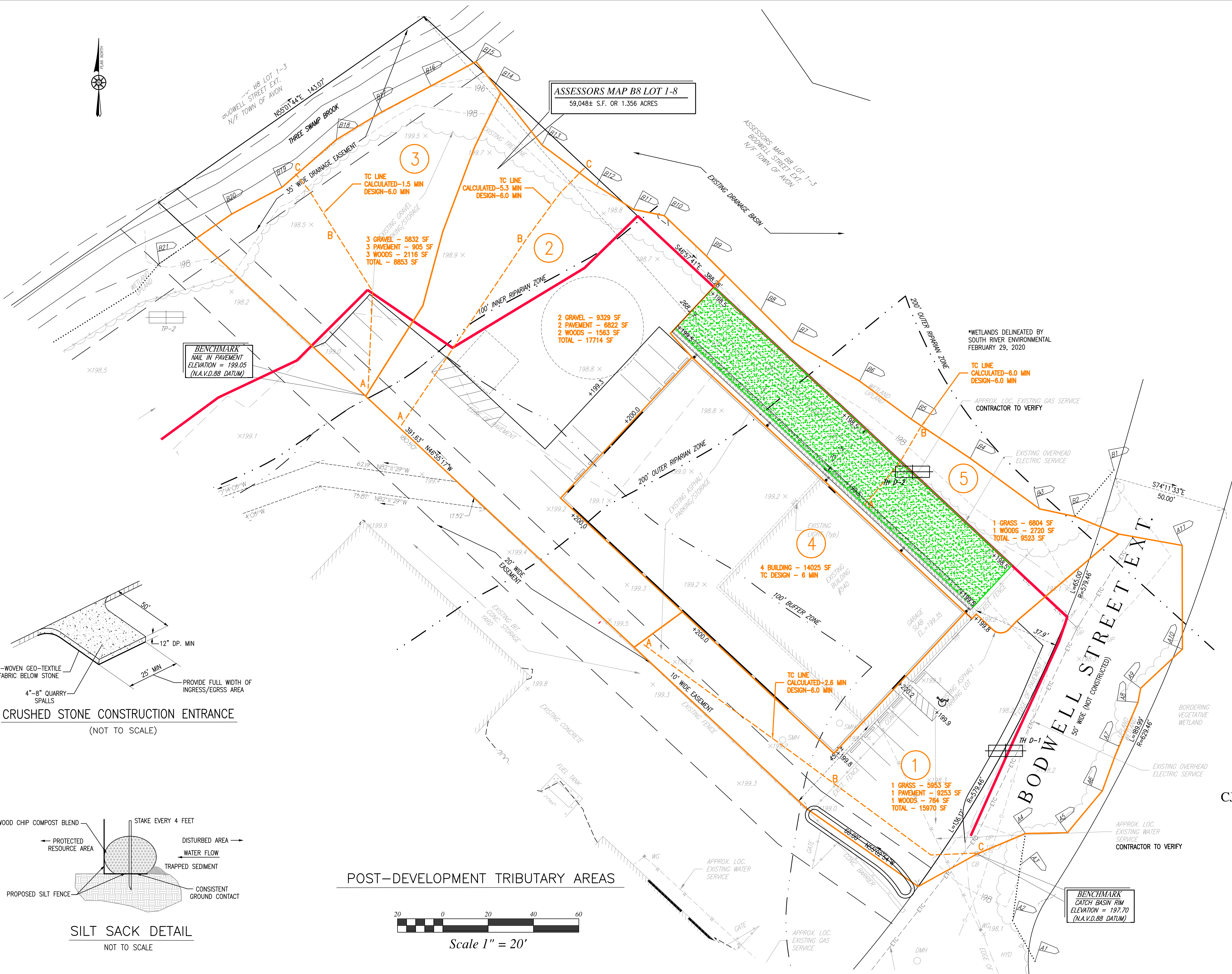
SILTSACK AS MANUFACTURED BY ACF ENVIRONMENTAL  
 (800-448-3636) WWW.ACFENVIRONMENTAL.COM  
 CATALOG NUMBER SILT02X02



PLACE SILT SACK WITHIN EXISTING CATCH BASINS  
 PRIOR TO CONSTRUCTION AND WITHIN PROPOSED  
 CATCH BASINS AFTER INSTALLATION.

NOTE: SILT SACKS SHALL BE INSPECTED WEEKLY AND SILT SHALL BE  
 REMOVED WHEN ACCUMULATED TO ALLOW CATCH BASIN TO FUNCTION  
 PROPERLY. REMOVE WHEN SOIL STABILIZATION IS COMPLETED.

**SILT SACK**  
 (NOT TO SCALE)



**ASSESSORS MAP B8 LOT 1-8**  
 59,048± S.F. OR 1.356 ACRES

**BENCHMARK**  
 NAIL IN PAVEMENT  
 ELEVATION = 199.05  
 (N.A.V.D.88 DATUM)

\*WETLANDS DELINEATED BY  
 SOUTH RIVER ENVIRONMENTAL  
 FEBRUARY 29, 2020

TC LINE  
 CALCULATED-6.0 MIN  
 DESIGN-6.0 MIN

APPROX. LOC. EXISTING GAS SERVICE  
 CONTRACTOR TO VERIFY

EXISTING OVERHEAD  
 ELECTRIC SERVICE

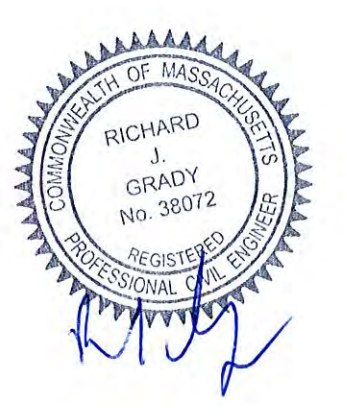
1 GRASS - 6804 SF  
 1 WOODS - 2720 SF  
 TOTAL - 9523 SF

4 BUILDING - 14025 SF  
 TC DESIGN - 6 MIN

TC LINE  
 CALCULATED-2.6 MIN  
 DESIGN-6.0 MIN

1 GRASS - 5953 SF  
 1 PAVEMENT - 9253 SF  
 1 WOODS - 784 SF  
 TOTAL - 15970 SF

**BENCHMARK**  
 CATCH BASIN RIM  
 ELEVATION = 197.70  
 (N.A.V.D.88 DATUM)



REVISIONS	
DATE	REVIEW COMMENTS
10/14/20	

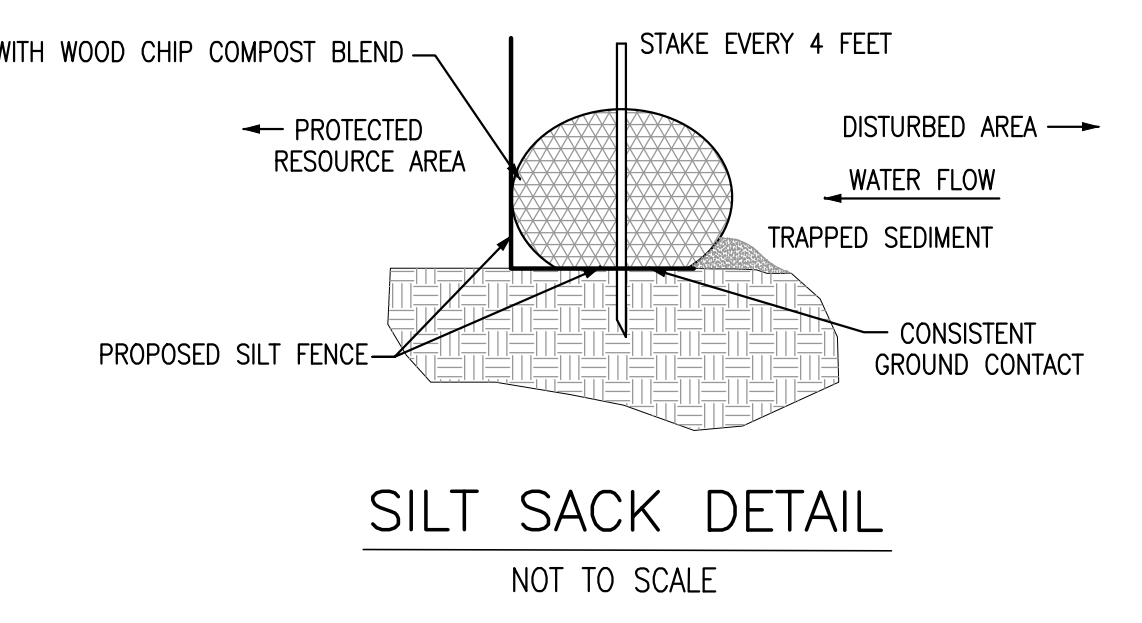
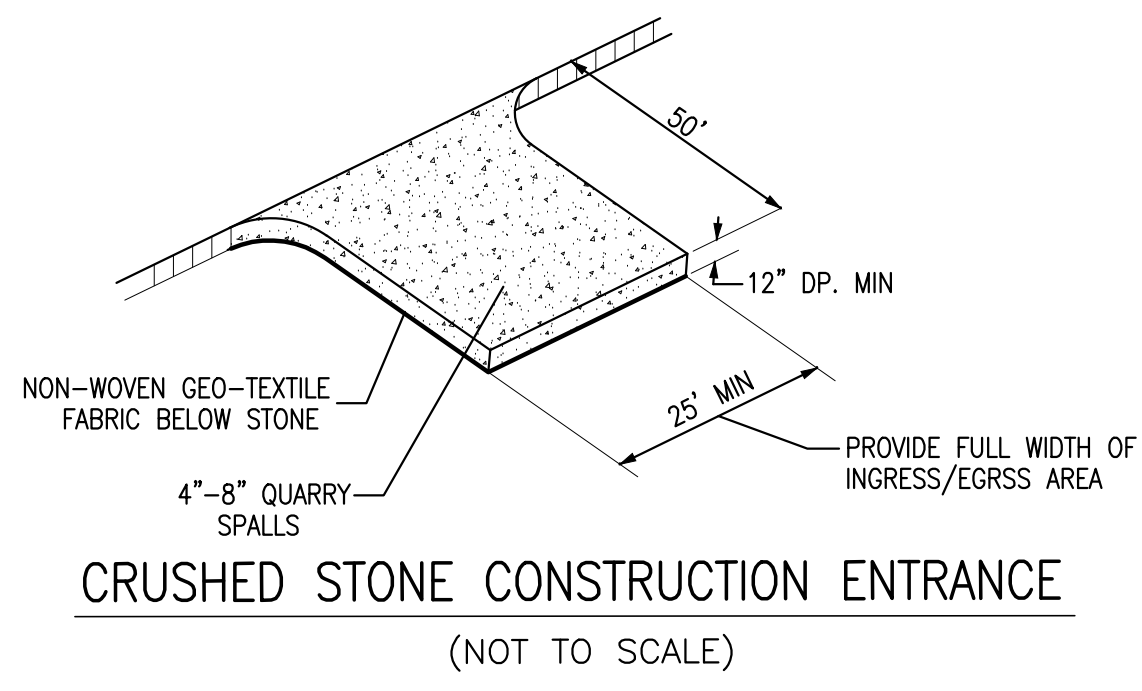
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**AVON, MASSACHUSETTS**

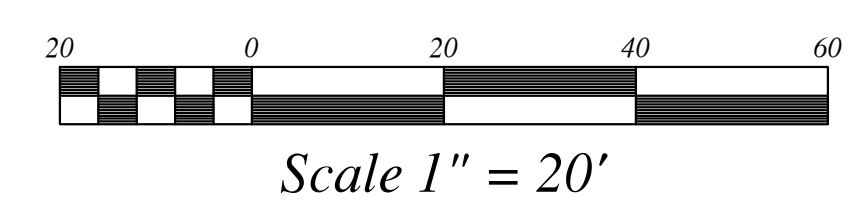
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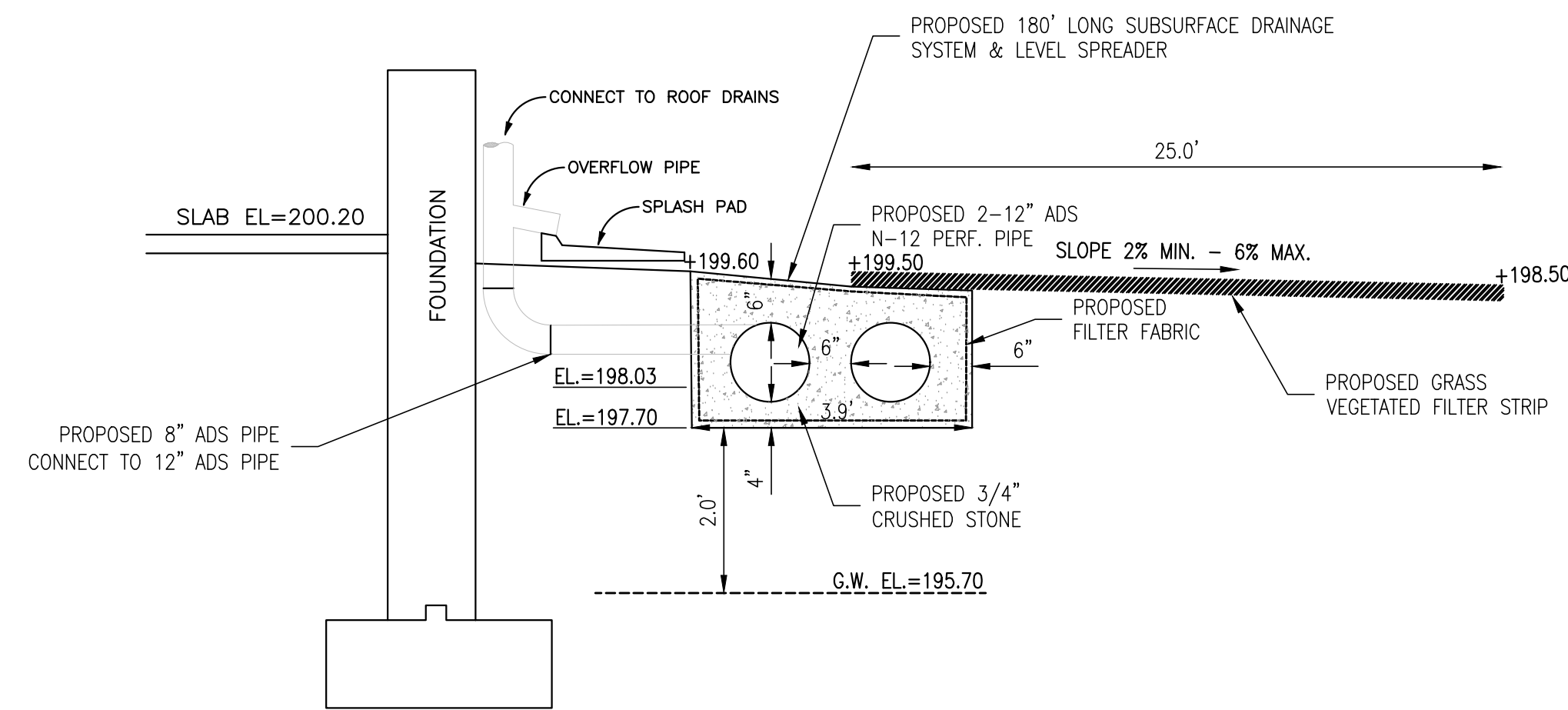


POST-DEVELOPMENT TRIBUTARY AREAS



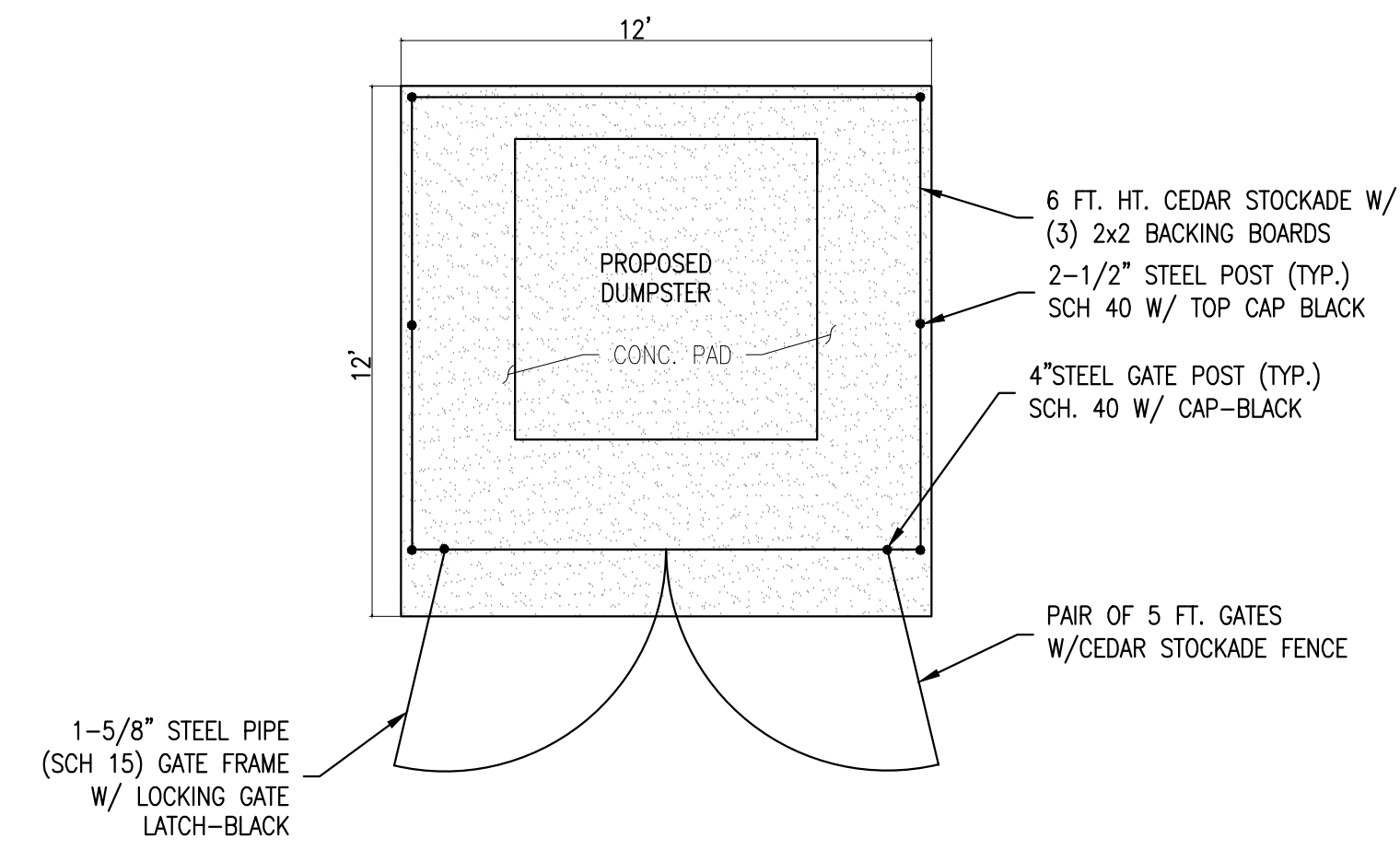
POST-DEVELOPMENT TRIBUTARY AREAS





**ROOF DRAIN SYSTEM DETAIL**  
(NOT TO SCALE)

100 YEAR STORM - MAX EL=199.53
50 YEAR STORM - MAX EL=199.52
25 YEAR STORM - MAX EL=199.52
10 YEAR STORM - MAX EL=199.52
2 YEAR STORM - MAX EL=199.51
1 YEAR STORM - MAX EL=199.51

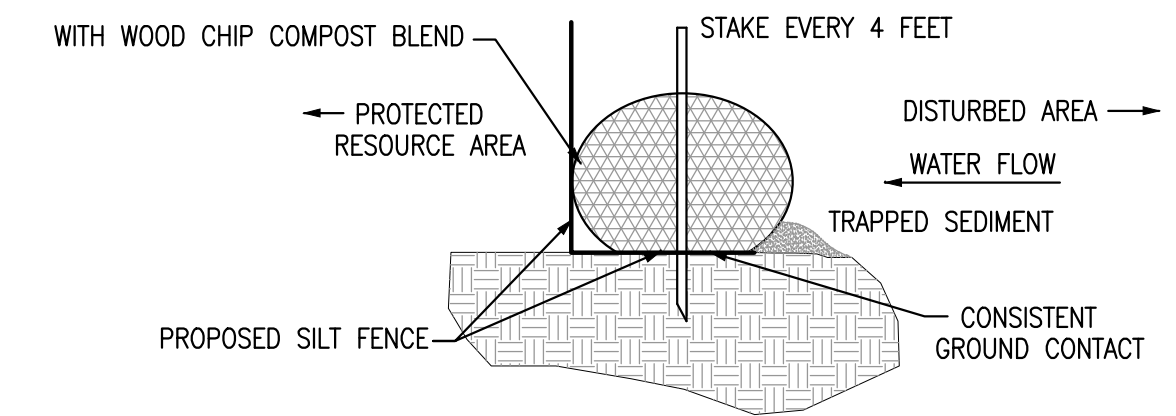


**DUMPSTER DETAIL**  
NOT TO SCALE

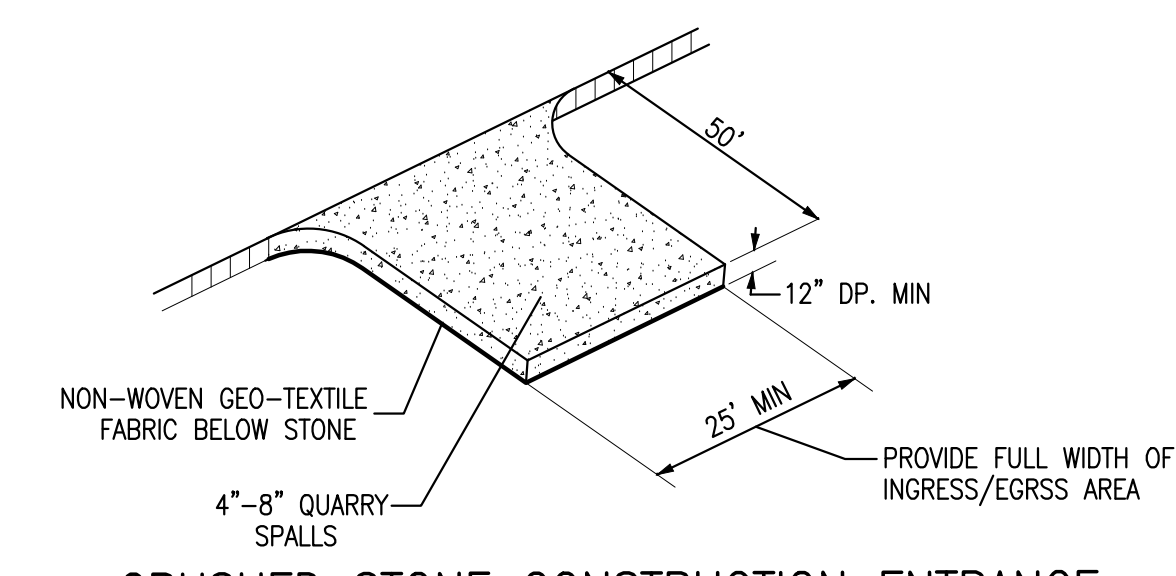
**SOIL LOGS**

T.H.#D-1 EL. 198.1	T.H.#D-2 EL. 198.2
0"-10" FILL	0"-6" A SANDY LOAM 10YR 3/2
	197.70
10"-36" B SANDY LOAM 5Y 5/3	6"-30" B SANDY LOAM 10YR 5/4
	195.7
D= 3'-0" MOTTLING ⊕ 2'-8" (EL.=195.44)	30"-46" C SANDY LOAM 2.5Y 5/2
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	D= 3'-10" MOTTLING ⊕ 2'-6" (EL.=195.70)

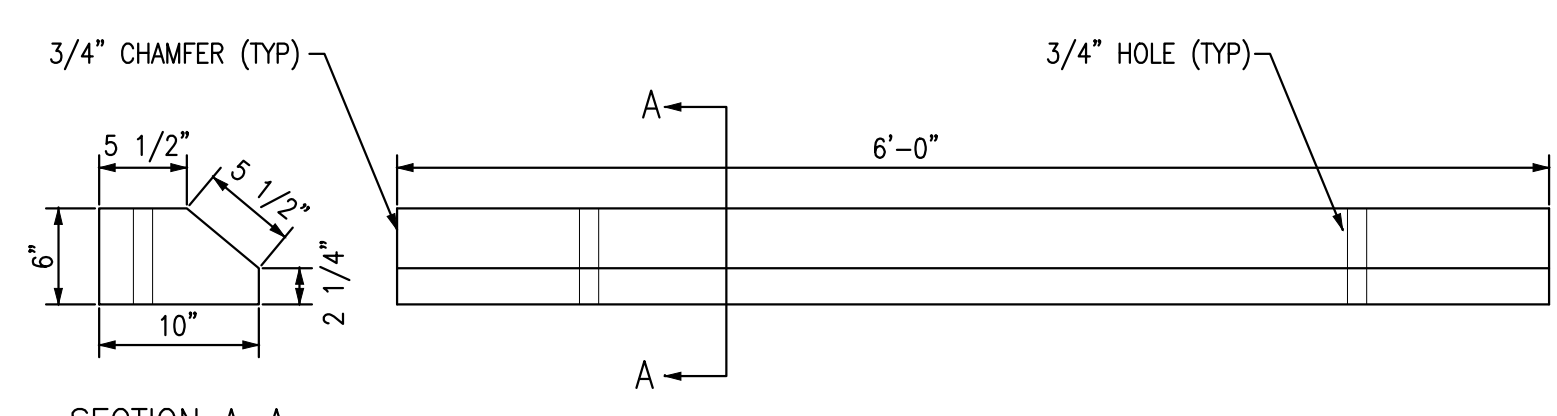
SOILS TESTING CONDUCTED BY ROBERT CARLEZON, GRADY CONSULTING LLC ON OCTOBER 8, 2020.



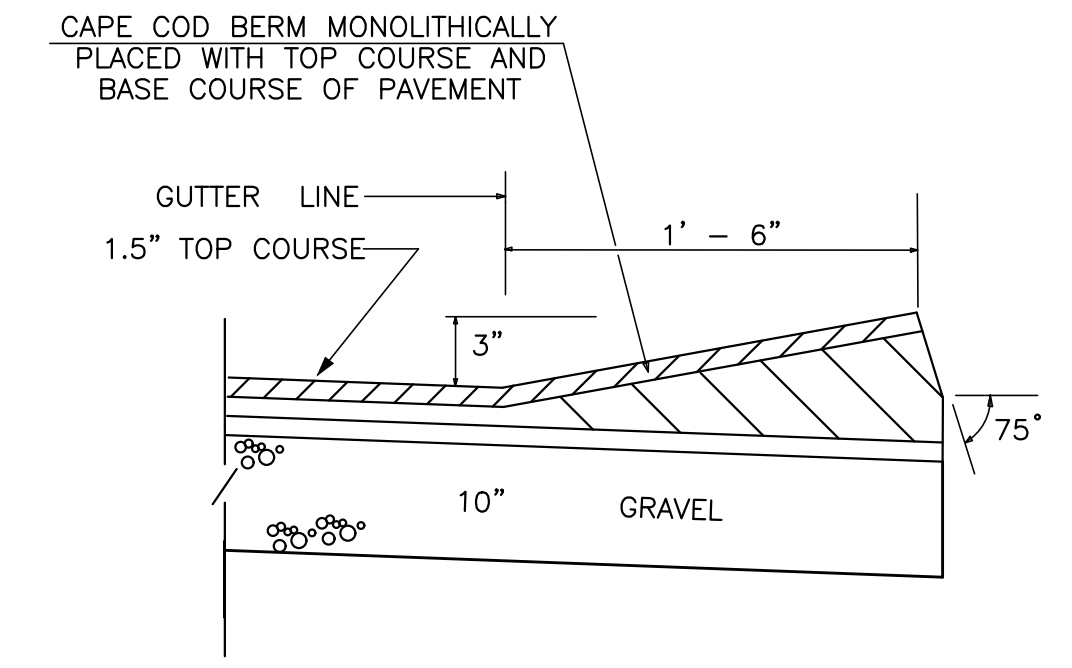
**SILT SACK DETAIL**  
NOT TO SCALE



**CRUSHED STONE CONSTRUCTION ENTRANCE**  
(NOT TO SCALE)



**WHEEL STOP DETAIL**  
(NOT TO SCALE)



**CAPE COD BERM DETAIL**  
(NOT TO SCALE)

**REQUIRED INSPECTIONS**

THE DEPARTMENT OR ITS AGENT SHALL PERFORM INSPECTIONS AS LISTED BELOW, AND SHALL EITHER APPROVE THAT PORTION OF THE WORK COMPLETED OR SHALL NOTIFY THE PERMITEE OF ANY NONCOMPLIANCE WITH PERMIT REQUIREMENTS. IN ORDER TO OBTAIN INSPECTIONS, THE PERMITEE SHALL NOTIFY THE DEPARTMENT AT LEAST TWO BUSINESS DAYS PRIOR TO THE REQUESTED INSPECTION. INSPECTIONS SHALL OCCUR AT THE FOLLOWING STAGES:

- 1) EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE AND STABILIZED
- 2) SITE CLEARING HAS BEEN SUBSTANTIALLY COMPLETED
- 3) STORMWATER MANAGEMENT SYSTEM
  - i) ROUGH GRADING HAS BEEN SUBSTANTIALLY COMPLETED
  - ii) FINAL GRADING HAS BEEN SUBSTANTIALLY COMPLETED
  - iii) FINAL LANDSCAPING (PERMANENT STABILIZATION) AND PROJECT FINAL COMPLETION

**EROSION & SEDIMENT CONTROL PLAN**

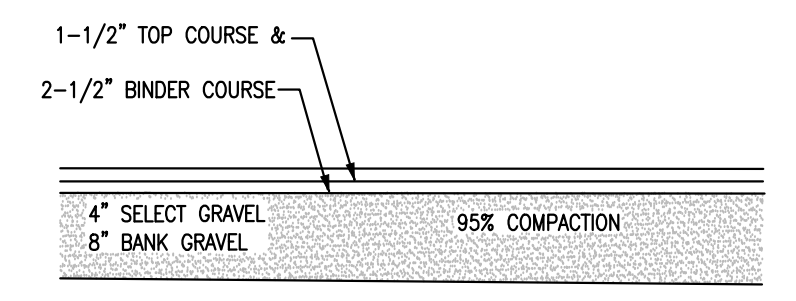
THE LONG TERM OPERATION AND MAINTENANCE PLAN (O & M PLAN) ATTACHED TO THE STORM WATER DRAINAGE CALCULATIONS INCLUDES ADDITIONAL MEASURES REQUIRED BY THE STANDARD 4 OF THE MASSACHUSETTS STORM WATER HANDBOOK VOLUME 1 CHAPTER 1.

- ADDITIONAL REQUIREMENTS**
- GOOD HOUSE KEEPING
  - STORING MATERIALS AND WASTE PRODUCTS - FUEL SHALL BE STORED OFF SITE, MATERIAL STOCKPILE SHALL BE AS INDICATED ON PLAN FOR SOIL.
  - VEHICLE WASHING - SHALL BE CONDUCTED OFF SITE
  - ROUTINE INSPECTIONS - SHALL BE DONE AS INDICATED ON THE O & M PLAN.
  - STORAGE AND USE OF FERTILIZERS AND PESTICIDES - SEE O & M PLAN
  - PROPER MANAGEMENT OF DEICING MATERIALS AND SNOW STORAGE - SEE O & M PLAN

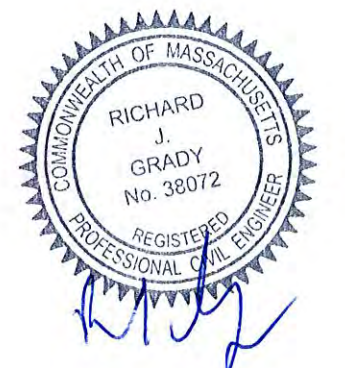
THE CONTRACTOR SHALL INSTALL SILT SOCK EROSION CONTROL AS SHOWN ON SHEET 4 OF THIS PLAN. THE SILT SOCK EROSION CONTROL INDICATES THE LIMIT OF CLEARING AND LIMIT OF WORK FOR THE PROJECT.

CONSTRUCTION ENTRANCES SHALL BE INSTALLED AND CONSTRUCTED AS DETAILED.

STOCKPILES SHALL BE SURROUNDED BY SILT FENCE BARRIER ON THE DOWN GRADIENT SIDE TO MITIGATE SEDIMENTATION.



**PAVED SECTION**  
(NOT TO SCALE)



REVISIONS	
10/14/20	REVIEW COMMENTS

**SITE PLAN**

**CJ SHAUGHNESSY MOBILE CRANE SERVICE**  
**#540 BODWELL STREET EXT.**  
**AVON, MASSACHUSETTS**

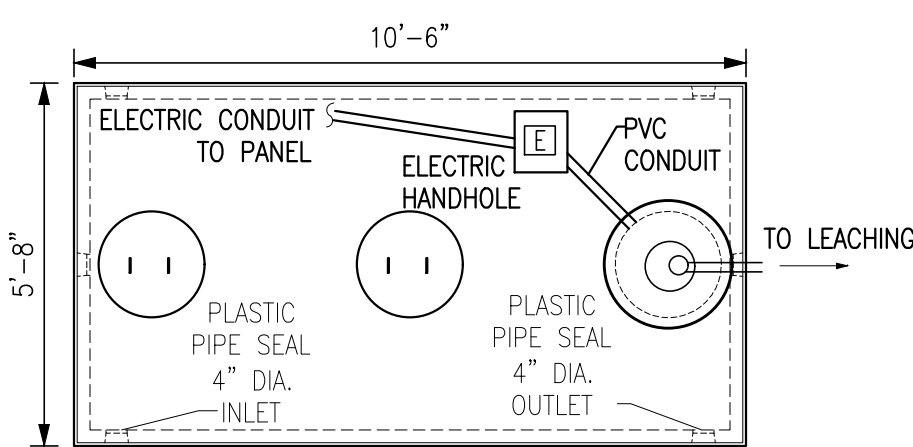
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JUNE 29, 2020  
SCALE: AS SHOWN  
JOB No. 20-067

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DETAILS





**PUMP DESIGN**

STATIC HEAD = 10.26 FT  
 PIPE LENGTH = 477 FT PIPE  
 DIAMETER = 2 IN

**PUMP SPECIFICATIONS:**

TYPE: GOULD MODEL 3887(OR APPROVED EQUAL) RATING: 20 G.P.M. @ 14.38 TDH  
 MOTOR: 1/3 HORSE POWER  
 VOLTAGE REQUIRED: 230 VOLTS, 7.3A (SINGLE PHASE)

GPM	H <sub>l</sub> (ft/100ft)	H <sub>l</sub> (ft)	H <sub>t</sub> (total)
20	0.86	4.12	14.38
40	3.11	14.85	25.11
60	6.59	31.43	41.69
80	11.22	53.52	63.78

REFERENCE: CAMERON HYDRAULIC DATA, PG 3-38 & GOULDS PUMPS WASTEWATER & SEWAGE

**CHAMBER STORAGE CAPACITY**

(419 GAL/DOSE) / 385 GAL/FT OF TANK = 1.09 FT (MIN) 2.0 FT OR 770 GAL. EMERGENCY STORAGE CAPACITY PROVIDED > 24 HR REQUIRED CAPACITY  
 PROPOSED DOSE VOLUME  
 PROPOSED VOLUME = 419 GALLONS PER DOSE

PROVIDE ALARM LOCATED IN THE BUILDING AND POWERED BY A CIRCUIT SEPARATE FROM THE CIRCUIT TO THE PUMP.  
 GOULD SES SERIES CONTROL PANEL(NEMA 1 SIMPLEX) FOR INTERIOR APPLICATIONS

**SEPTIC DESIGN**

TITLE 5

EXISTING SEPTIC DESIGN - #520 BODWELL STREET  
 1. DESIGN DAILY FLOW:  
 WAREHOUSE: 20 WORKERS x 15 GAL/PERSON = 300 GPD  
 OFFICE SPACE: 3,800 S.F. x 75 GAL/1000 S.F. = 285 GPD  
 REPAIR BAYS: 2 BAYS x 150 GAL/BAY = 300 GPD  
 TOTAL DESIGN FLOW: 300 + 285 + 300 = 885 GPD

SEPTIC TANK  
 885 GPD x 2.0 = 1770 GALLONS EXISTING 2,000 GALLON TANK

SOIL ABSORPTION SYSTEM  
 PERCOLATION RATE: 30 MIN./INCH (CLASS II SOIL)  
 DESIGN LOADING RATE = 0.33 GPD/SF  
 PERCOLATION RATE DETERMINED FROM SIEVE ANALYSIS PERFORMED ON SOIL SAMPLE COLLECTED FROM C LAYER TP-1. TESTS REVEALED SOIL IS A SANDY LOAM (68% SAND, 32% SILT, AND CLAY)

LEACHING AREA REQUIRED = 885 GPD/0.33 GPD/SF = 2682 SF

EXISTING: 36' WIDE x 75' LONG x 6' DEEP FIELD (36' x 75' = 2700 SF > 2682 SF)

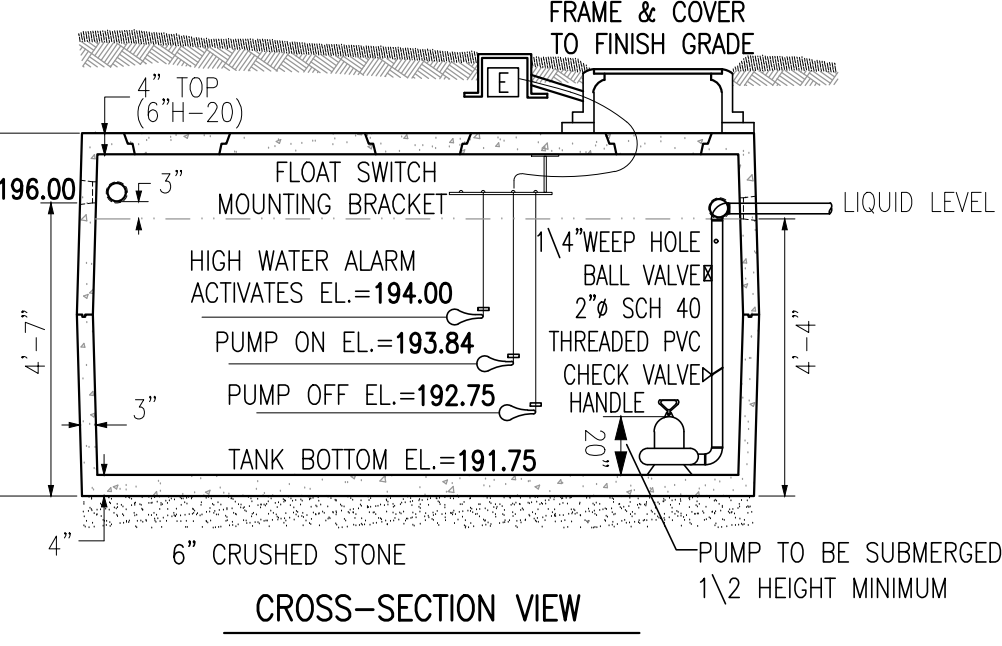
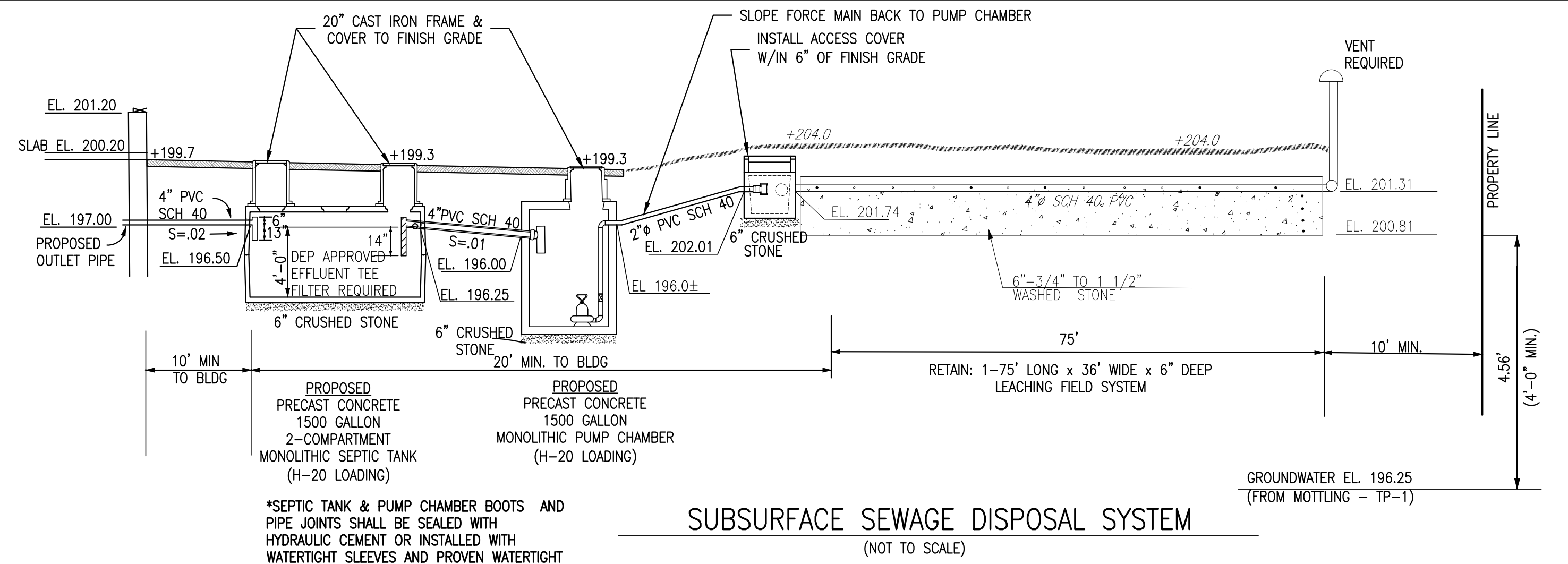
**PROPOSED SHARED SYSTEM (NOT DESIGNED FOR GARBAGE GRINDER)**

#520 BODWELL STREET  
 1. DESIGN DAILY FLOW:  
 WAREHOUSE 15 GPD/PERSON x 5 EMPLOYEES = 75 GPD  
 OFFICE SPACE 75 GPD/1,000 S.F. x 1,000 S.F. OFFICE SPACE = 75 GPD (200 GPD MIN.)  
 SERVICE BAYS: 2 BAYS x 150 GPD/BAY = 300 GPD  
 TOTAL = 75 GPD + 200 GPD + 300 GPD = 575 GPD  
 2. SEPTIC TANK: 2-COMPARTMENT TANK REQUIRED  
 575 GPD x 2 = 1150 GAL. MIN. **RETAIN EXISTING 2,000 GALLON SEPTIC TANK**  
 575 GPD x 1 = 575 GAL. MIN. **RETAIN EXISTING 2,000 GALLON SEPTIC TANK**

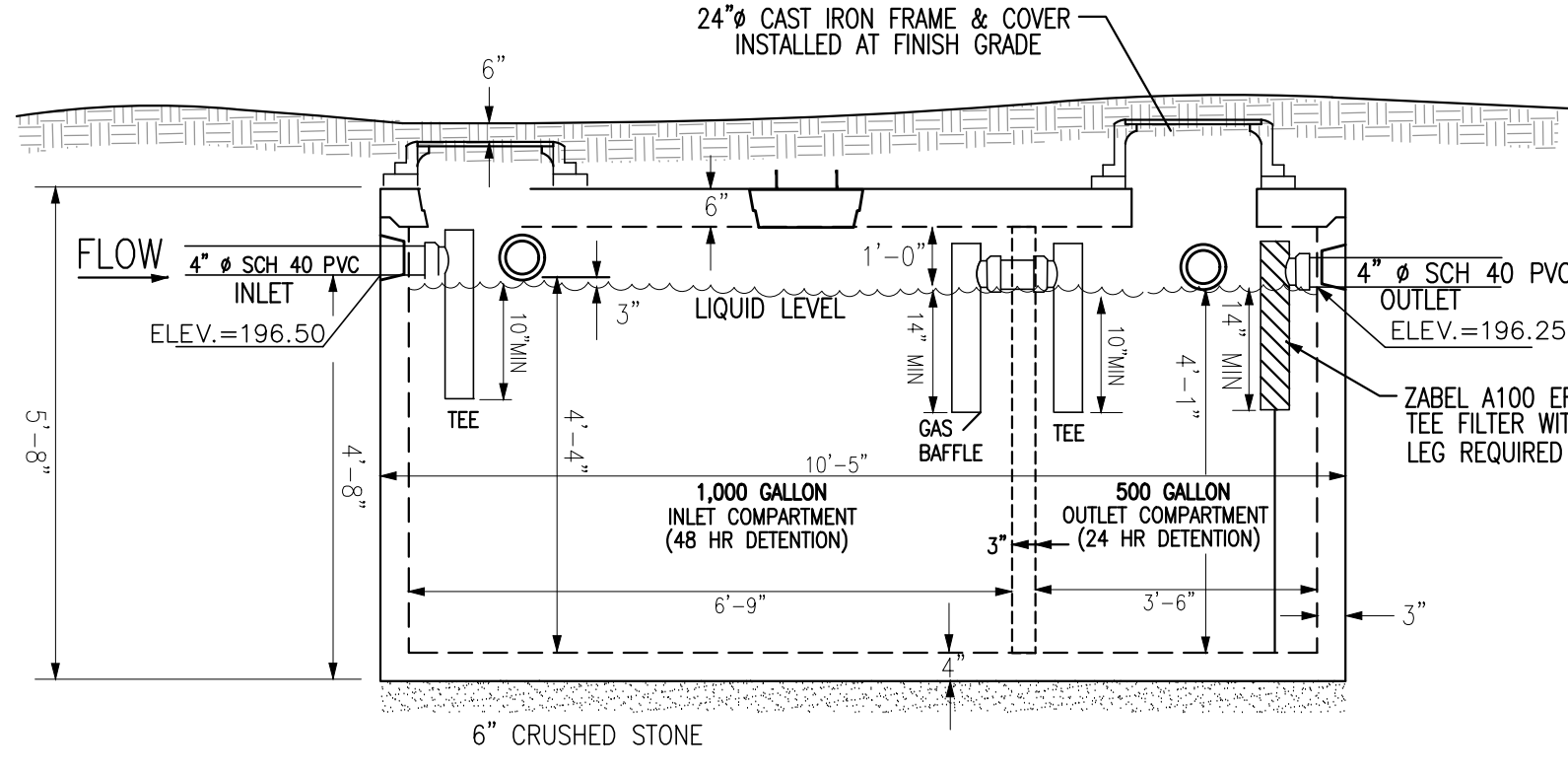
#540 BODWELL STREET  
 1. DESIGN DAILY FLOW:  
 STORAGE WAREHOUSE 15 GPD/PERSON x 3 EMPLOYEES = 45 GPD  
 OFFICE SPACE 75 GPD/1,000 S.F. x 1,000 S.F. OFFICE SPACE = 75 GPD (200 GPD MIN.)  
 TOTAL = 45 GPD + 200 GPD = 245 GPD  
 2. SEPTIC TANK: 2-COMPARTMENT TANK REQUIRED  
 245 GPD x 2 = 490 GAL. MIN. **PROPOSED 1,000 GALLON FIRST COMPARTMENT**  
 245 GPD x 1 = 245 GAL. MIN. **PROPOSED 500 GALLON SECOND COMPARTMENT**  
**PROPOSED 1,500 GALLON TWO COMPARTMENT TANK**

SOIL ABSORPTION SYSTEM  
 PERCOLATION RATE: 30 MIN./INCH (CLASS II SOIL)  
 DESIGN LOADING RATE = 0.33 GPD/SF  
 PERCOLATION RATE DETERMINED FROM SIEVE ANALYSIS PERFORMED ON SOIL SAMPLE COLLECTED FROM C LAYER TP-1. TESTS REVEALED SOIL IS A SANDY LOAM (68% SAND, 32% SILT, AND CLAY)

DESIGN FLOW: 575 GPD (#520) + 245 GPD (#540) = 820 GPD  
 LEACHING AREA REQUIRED = 820 GPD/0.33 GPD/SF = 2485 SF  
**RETAIN EXISTING: 36' WIDE x 75' LONG x 6' DEEP FIELD (36' x 75') = 2700 SF > 2485 SF**



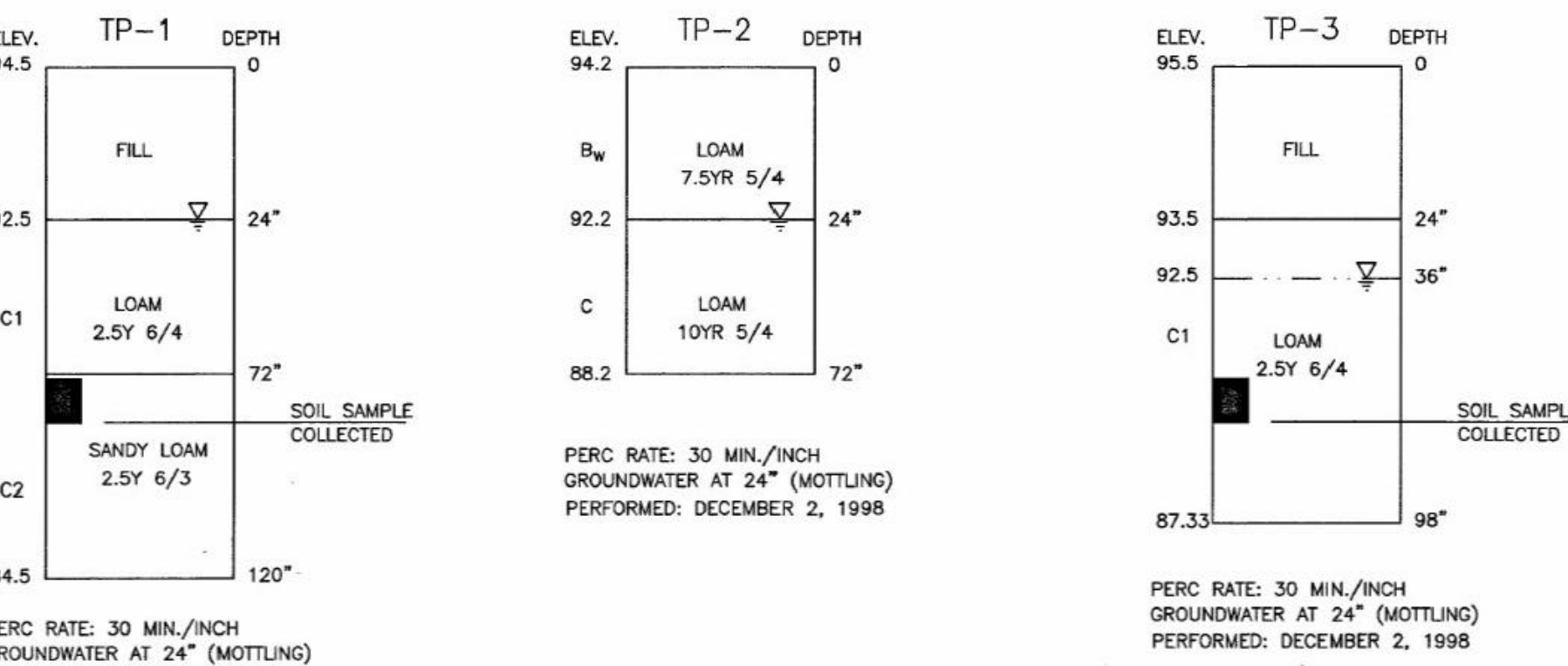
**PUMP CHAMBER DETAIL: 1500 GAL. (H-20)**  
 NOT TO SCALE



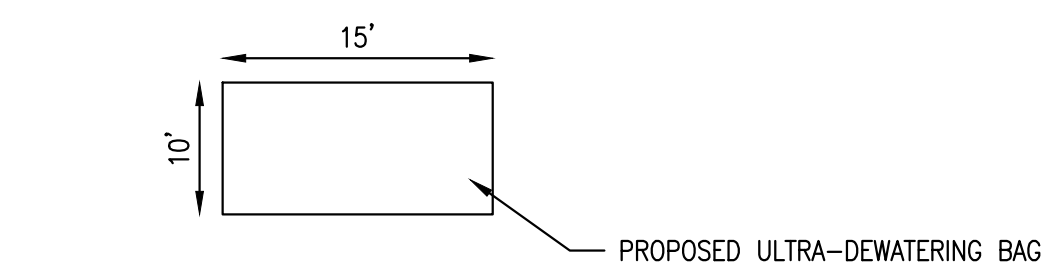
**1500 GALLON 2-COMPARTMENT SEPTIC TANK (H-20)**  
 (MONOLITHIC)  
 NOT TO SCALE

**SOIL DATA:**

SOIL EVALUATIONS AND PERC TESTS PERFORMED BY ROBERT S. REGO, PRIME ENGINEERING, INC. AND WITNESSED BY AVON HEALTH AGENT, BARRY PERKINS, ON DECEMBER 2, 1998.

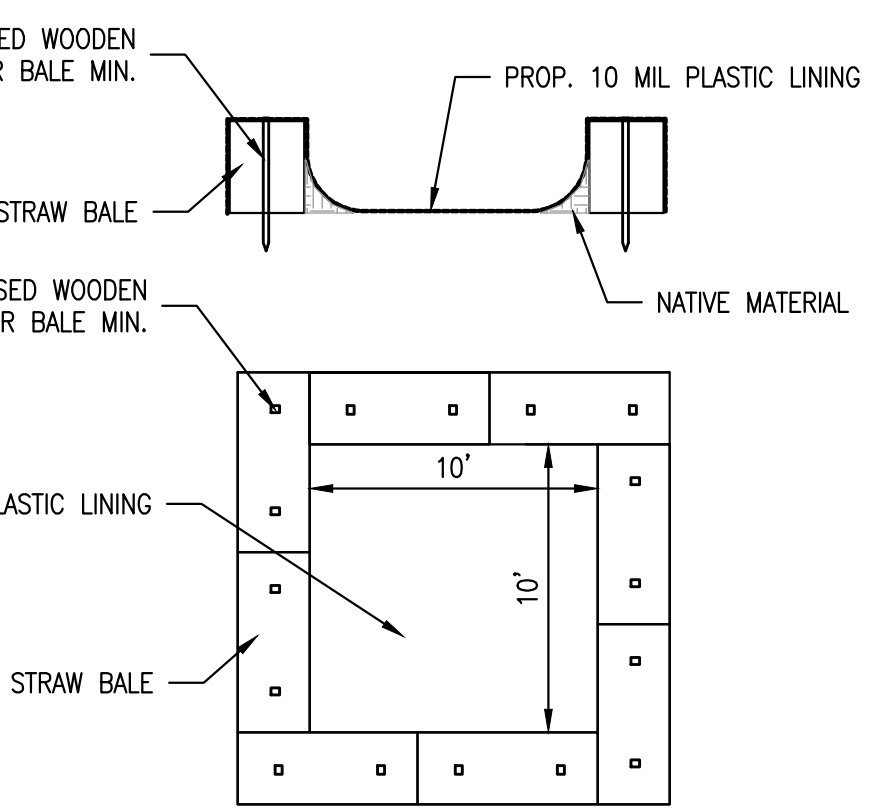


\*SOILS DATA FROM APPROVED SEPTIC DESIGN PLAN #520 BODWELL STREET EXTENSION \*PLAN AND DETAILS SUBSURFACE SEWAGE DISPOSAL SYSTEM, DATED FEBRUARY 3, 1997, REVISED APRIL 13, 1999\* BY PRIME ENGINEERING, INC.



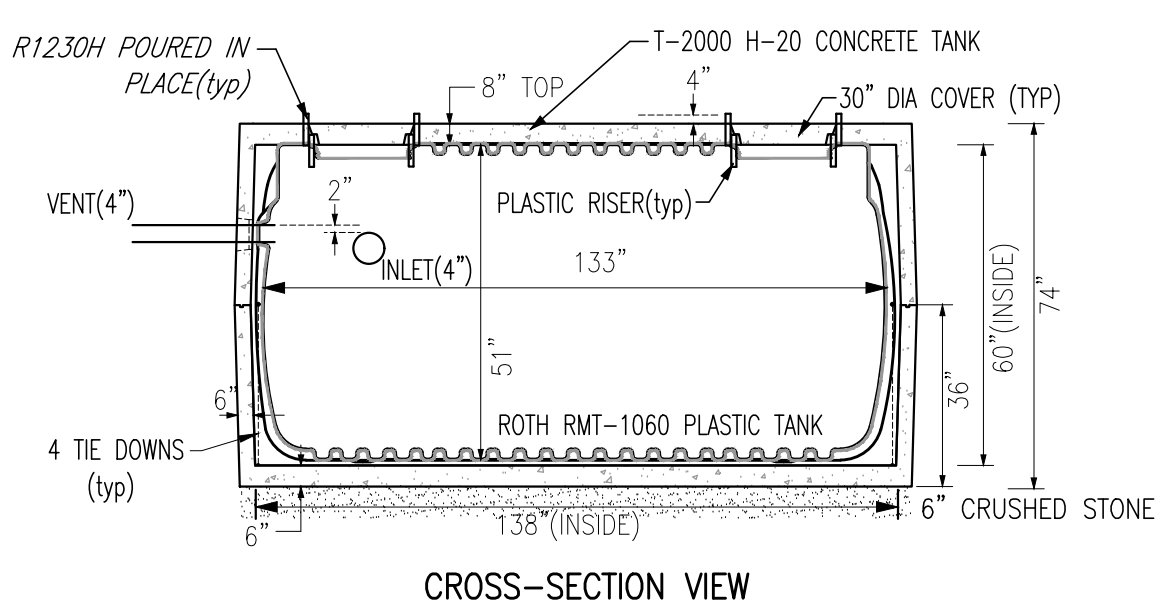
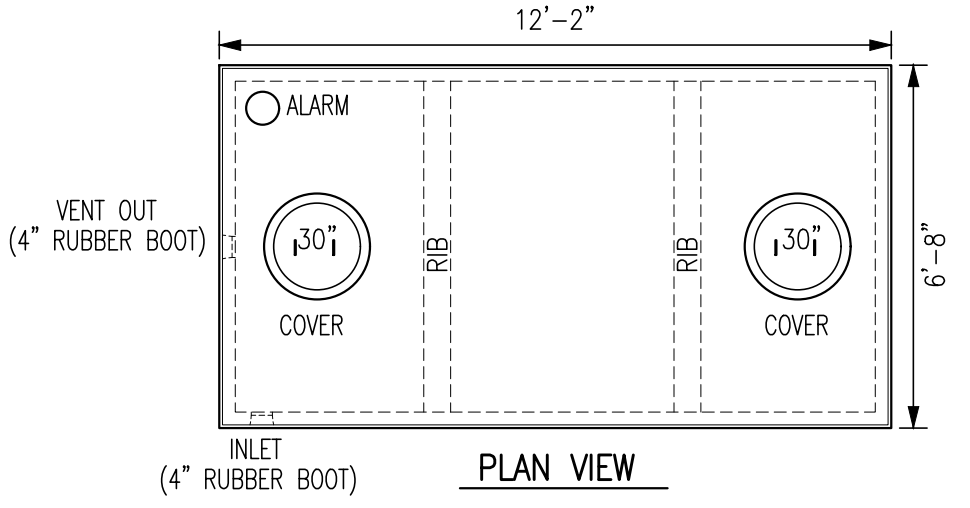
- DEWATERING BAG NOTES:**
- ANY PUMP DISCHARGES SHALL BE DIRECTED TO THE DEWATERING BAG.
  - 10'x15' PART #9725-0/S AS MANUFACTURED BY BOOM ENVIRONMENTAL PRODUCTS, ONE GATEWAY CENTER, NEWTON, MA 02458 617-965-0007 SALES@BOOMENVRO.COM (OR APPROVED EQUAL)
  - MONITOR BAG AND REPLACE IF DAMAGED OR OVERLOADED WITH SEDIMENT.
  - MONITOR WATER DISCHARGE AND INSTALL ADDITIONAL EROSION CONTROL SURROUNDING BAG AS NEEDED.

**ULTRA-DEWATERING BAG**



- TEMPORARY CONCRETE WASHOUT AREA NOTES:**
- WASHOUT AREA SHALL BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS.
  - PLASTIC LINING SHALL BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND FREE OF ANY HOLES, TEARS, OR DEFECTS.
  - SIGNAGE SHALL BE PLACED AT THE DESIGNATED WASHOUT AREA.
  - CONTRACTOR SHALL INSPECT THE STRUCTURAL INTEGRITY OF WASHOUT AREA DAILY AND MAINTAIN SUFFICIENT QUANTITY AND SIZE TO CONTAIN LIQUID.
  - PERFORM CONCRETE WASHOUT IN DESIGNATED AREAS ONLY.
  - HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

**CONCRETE WASHOUT DETAIL**



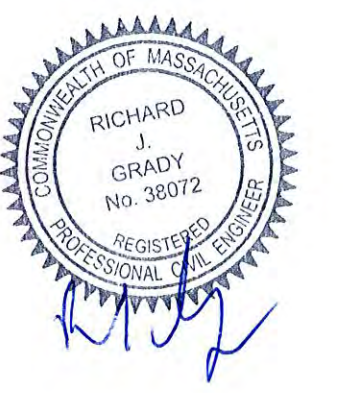
**(MONOLITHIC H-20 LOADING) HOLDING TANK DETAIL**  
 NOT TO SCALE

- NOTES:**
- CONCRETE TANK: T-2000 H-20 CONCRETE TANK
  - CONCRETE: 5,000 PSI AFTER 28 DAYS
  - REINFORCEMENT PER ASTM C1227-93
  - DISTRIBUTED THROUGH WIGGIN PRECAST CORPORATION(508-564-6776)
  - PLASTIC TANK: ROTH MODEL NO. RMT-1060
  - DISTRIBUTED THROUGH CAPE COD WINWATER WORKS(508-862-0166)
  - INSTALLER TO COORDINATE WITH WIGGIN PRECAST & CAPE COD WINWATER WORKS FOR CONSTRUCTION OF THE HOLDING TANK.
  - SPECIAL INSTRUCTIONS & NOTES FOR HOLDING TANK INSTALLATION:
- THE TANK SHALL BE INSTALLED ONTO A LEVEL (AND COMPACTED) BED OF SAND.
  - HOLDING TANK TO BE INSPECTED EVERY 3 MONTHS TO ENSURE PROPER OPERATION AND MAINTENANCE 310 CMR 15.260 (I).
  - THE HOLDING TANK WILL BE WATERPROOF AND WATERTIGHT 310 CMR 15.260(J).
  - VENTING SHALL BE PROVIDED THROUGH THE ROOF OF THE BUILDING IN ACCORDANCE WITH THE MASSACHUSETTS PLUMBING CODE.
  - INSTALL RHOMBUS TANK ALERT 2 HIGHWATER ALARM WITH SLIDE RAIL FLOAT.

FAILURE BY THE APPLICANT TO PROPERLY MAINTAIN THE HOLDING TANK MAY CONSTITUTE GROUNDS FOR THE REVOCATION OF THE HOLDING TANK PERMIT.

**SEPTIC NOTES**

- SOILS TESTING BY ROBERT S. REGO, PRIME ENGINEERING, INC. AND WITNESSED BY AVON HEALTH AGENT, BARRY PERKINS, ON DECEMBER 2, 1998.
- CALL DIG SAFE 1-888-344-7233 AT LEAST 4 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- NOTIFY TOWN AND GRADY CONSULTING PRIOR TO BACKFILLING OF SYSTEM.
- NO KNOWN WELLS EXIST WITHIN 200' OF THE PROPOSED SYSTEM
- THE SITE IS NOT LOCATED IN AN AQUIFER PROTECTION ZONE II.
- ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED (310 CMR 15.221(12))
- NO STREAMS, SURFACE & SUBSURFACE DRAINS AND WETLANDS EXIST WITHIN 100 FT OF THE PROPOSED SYSTEM, EXCEPT AS SHOWN.
- THE SITE IS NOT LOCATED IN A FLOOD PLAIN DISTRICT.
- NO KNOWN EASEMENTS ARE IN THE AREA OF THE PROPOSED SYSTEM.



REVISIONS	
10/14/20	REVIEW COMMENTS

**SITE PLAN**

**CJ SHAUGHNESSY MOBILE CRANE SERVICE**  
 #540 BODWELL STREET EXT.  
 AVON, MASSACHUSETTS

PREPARED FOR:  
 CHRIS SHAUGHNESSY  
 CJ SHAUGHNESSY REALTY TRUST  
 520 BODWELL STREET EXT.  
 AVON, MA 02322

JUNE 29, 2020  
 SCALE: AS SHOWN  
 JOB No. 20-067

**GRADY CONSULTING, L.L.C.**  
 Civil Engineers, Land Surveyors & Landscape Architects  
 71 Evergreen Street, Suite 1, Kingston, MA 02364  
 Phone (781) 585-2300 Fax (781) 585-2378