

SITE NOTES:

1. THE SITE IS LISTED ON THE TOWN OF AVON ASSESSORS PROPERTY RECORD CARDS AS MAP: B7 BLOCK: 3 LOT: 3.
2. PROPERTY LINE AND EXISTING CONDITIONS INFORMATION WAS TAKEN FROM A FIELD SURVEY BY ZENITH LAND SURVEYORS, LLC.
3. NORFOLK COUNTY REGISTRY OF DEEDS:
DEED REFERENCE: BOOK 37526 PAGE 101
PLAN REFERENCE: PLAN BK. 4767 PG. 258
4. THE SUBJECT PROPERTY IS LOCATED IN ZONE X, AS SHOWN ON THE FLOOD INSURANCE RATE MAP (F.I.R.M.) OF NORFOLK COUNTY, MASSACHUSETTS, MAP NUMBER 25021C0218E, MAP REVISED JULY 17, 2012.
5. THE SITE IS NOT LOCATED IN A PRIORITY HABITAT AND ESTIMATED HABITAT AS SHOWN ON THE MASSACHUSETTS NATURAL HERITAGE ATLAS 15TH EDITION EFFECTIVE DATE AUGUST, 2021.
6. THE PROJECT IS NOT LOCATED WITHIN AN AREA OF CRITICAL ENVIRONMENTAL CONCERN (ACEC).
7. THE SITE IS NOT LOCATED IN A ZONE II TO A PUBLIC WATER SUPPLY WELL.
8. THE SITE IS NOT IN A ZONE A TO A SURFACE WATER SUPPLY AREA.
9. THE SITE IS LOCATED IN AN OUTSTANDING RESOURCE WATER AREA (ORW).
10. ALL EXISTING UNDERGROUND UTILITIES SHOWN ARE TO BE CONSIDERED APPROXIMATE AND SHALL BE CONFIRMED BY DIGSAFE AND THE CONTRACTOR PRIOR TO CONSTRUCTION.
11. WETLANDS DELINEATED BY: ROBERT GRAY OF SABATIA, INC., ON MAY 16, 2022.
12. EXISTING SEPTIC SYSTEM INFORMATION TAKEN FROM AS-BUILT PLAN ENTITLED "ON-SITE SANITARY DISPOSAL SYSTEM COMPONENT AS-BUILT PLAN "REPAIR" - 225 BODWELL STREET, AVON, MA 02322", BY HAYWARD-BOWNTON & WILLIAMS, DATED MAY 25, 2010.
13. THE SITE IS LOCATED WITHIN THE TOWN OF AVON WATER SUPPLY PROTECTION DISTRICT AND REQUIRES A SPECIAL PERMIT FROM THE PLANNING BOARD.

CONSTRUCTION NOTES:

1. CONTRACTOR TO VERIFY BENCHMARKS FOR CONSISTENCY PRIOR TO CONSTRUCTION AND SHALL NOTIFY ZENITH CONSULTING ENGINEERS, LLC. OF ANY DISCREPANCIES.
2. IT IS THE CONTRACTORS' RESPONSIBILITY TO CONTACT DIG SAFE (1-888-DIG SAFE) PRIOR TO THE COMMENCEMENT OF WORK AND ALL UNDERGROUND UTILITY COMPANIES TO CONFIRM LOCATIONS AND ELEVATIONS.
3. SITE IS TO BE SERVICED BY MUNICIPAL WATER AND AN ON-SITE SEPTIC SYSTEM.
4. ALL PAVEMENT MARKING AND SIGNAGE SHALL CONFORM TO MUTCD STANDARDS.
5. PROPOSED UTILITIES AND CONSTRUCTION METHODS UNDER AREAS SUBJECT TO TRAFFIC LOADING SHALL BE INSTALLED TO WITHSTAND H-20 LOADING TRAFFIC STANDARDS. CONTRACTOR SHALL VERIFY THAT ALL STRUCTURES COMPLY TO THIS STANDARD.
6. WHERE ALL CONCRETE STRUCTURES INTERCEPT THE SEASONAL HIGH GROUNDWATER TABLE, THE CONTRACTOR SHALL SEAL THE ENTIRE STRUCTURE WITH WATERPROOF SEALER.
7. ALL WORK SHALL CONFORM TO THE TOWN OF AVON RULES AND REGULATIONS AND THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND BRIDGES, MOST CURRENT VERSION OF PLAN SET.

SITE PLAN

225 BODWELL STREET AVON, MASSACHUSETTS

ZONING SUMMARY AND COMPLIANCE TABLE (INDUSTRIAL DISTRICT)			
CRITERIA	REQUIRED	EXISTING	PROPOSED
LOT AREA	40,000 S.F.	173,790 S.F.	173,790± S.F.
FRONTAGE	200'	265.00'	265.00'
FRONT BUILDING SETBACK	40'	39.8'	39.8'
SIDE BUILDING SETBACK	25'	23.0'	23.0'
REAR BUILDING SETBACK	40'	104.2'	104.2'
MAX. PERCENTAGE OF LOT COVERAGE BY STRUCTURE	60%	43.9%	46.6%

SCHEDULE OF DRAWINGS		
SHEET ID	PLAN TITLE	LATEST REVISION DATE
C	COVER SHEET	5/15/2023
X	EXISTING CONDITIONS PLAN	5/15/2023
L	PROPOSED LAYOUT PLAN	5/15/2023
G	GRADING & UTILITY PLAN	5/15/2023
E	EROSION CONTROL PLAN	5/15/2023
E2	EROSION CONTROL DETAILS & NOTES	5/15/2023
D	SITE DETAILS	5/15/2023



LOCUS PLAN
SCALE: 1"=500'

OWNER & APPLICANT
MARSHALL PAPER TUBE COMPANY
225 BODWELL STREET
AVON, MA 02322

LEGEND		
EXISTING	DESCRIPTION	PROPOSED
	BUILDING	
	CONTOUR	
	SPOT GRADE	
	DRAINAGE BOUNDARY	
	TIME OF CONCENTRATION	
	CHAINLINK FENCE	
	STOCKADE FENCE	
	WIRE FENCE	
	GUARDRAIL SIGN	
	TEST PIT	
	UNKNOWN MANHOLE	
	DRAINAGE PIPE	
	ROOF DRAIN PIPE	
	CATCH BASIN	
	DRAIN MANHOLE	
	FLARED END	
	GAS MAIN	
	GAS MANHOLE	
	GAS GATE/VALVE	
	ELEC/TELE/CABLE	
	ETC	
	OVERHEAD WIRES	
	UNDERHEAD ELECTRIC	
	ELECTRIC MANHOLE	
	TELEPHONE MANHOLE	
	TRANSFORMER	
	UTILITY POLE	
	GUY POLE	
	GRAVITY SEWER MAIN	
	FORCE SEWER MAIN	
	SEWER SERVICE	
	SEWER MANHOLE	
	WATER MAIN	
	WATER SERVICE	
	HYDRANT	
	WATER GATE/VALVE	
	WATER SHUTOFF	
	WATER MANHOLE	
	TRELIN	
	BENCHMARK	
	CONTROL POINT	
	MAG NAIL	
	DRILLHOLE	
	CONCRETE BOUND	
	STONE BOUND	
	IRON PIPE	
	REBAR	

DATE MAY 22, 2023

SURVEY COMPANY OF RECORD:

ZLS

ZENITH LAND SURVEYORS, LLC
1162 ROCKDALE AVENUE
NEW BEDFORD, MA 02740
(508) 995-0100

5-22-23

P.E. STAMP

ZCE
ZENITH CONSULTING ENGINEERS, LLC
3 MAIN STREET LAKEVILLE, MA 02347
PHONE: (508) 947-4208

DATE	REV.	DESCRIPTION	BY	APP.
5/22/2023				
09/31-01-01				

DRAWN BY: RLG	DESIGNED BY: RLG	CHECKED BY: JLB	APPROVED BY: JLB
DATE: 5/22/2023	PROJECT NUMBER: 0931-01-01	DRAWING SCALE: AS SHOWN	SHEET ID: C

COVER SHEET
SITE PLAN

PROJECT SITE: 225 BODWELL STREET
AVON, MASSACHUSETTS

CLIENT INFO: MARSHALL PAPER TUBE COMPANY
225 BODWELL STREET
AVON, MA 02322

SHEET NAME:

5-22-23

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SURVEY COMPANY OF RECORD:



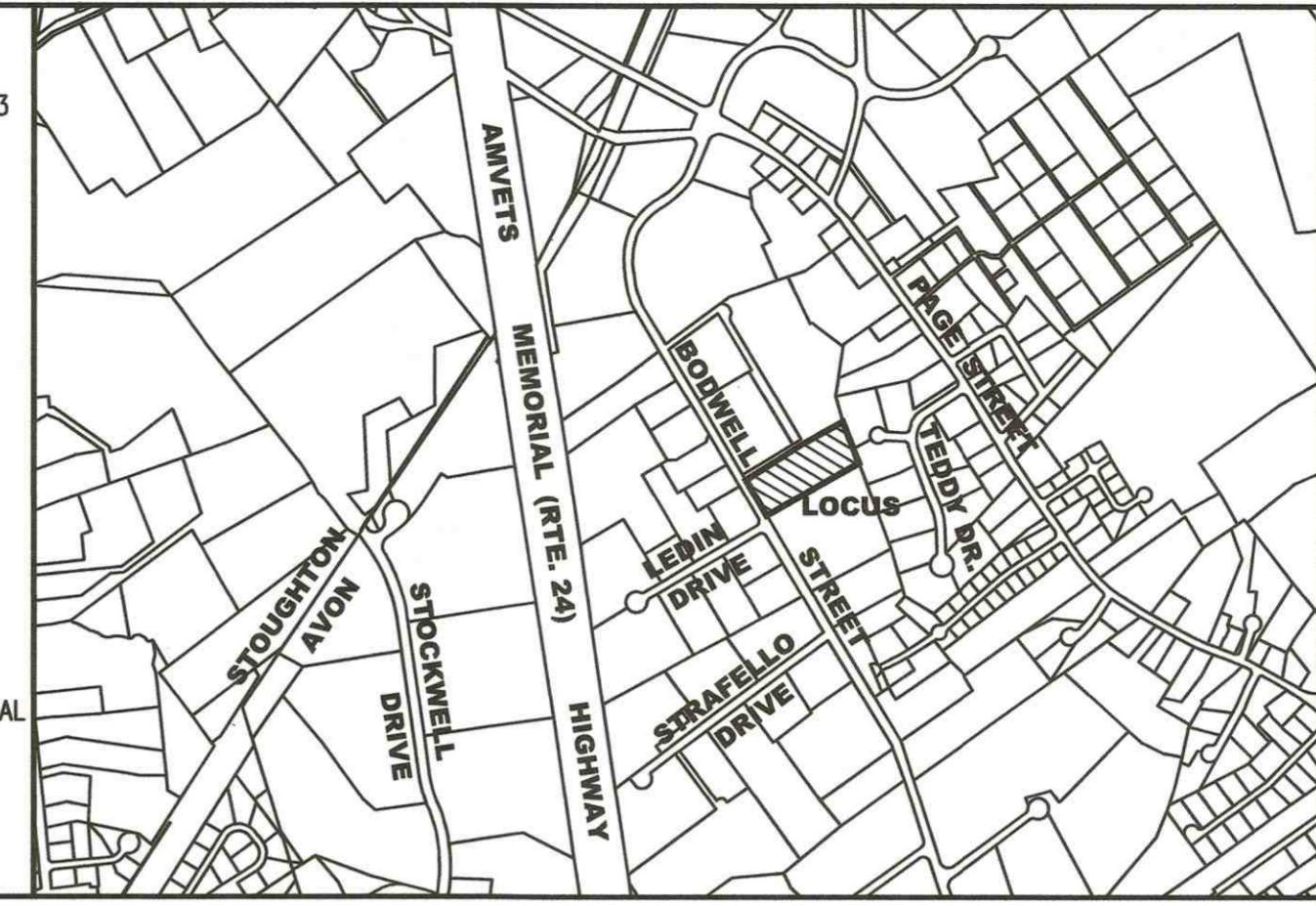
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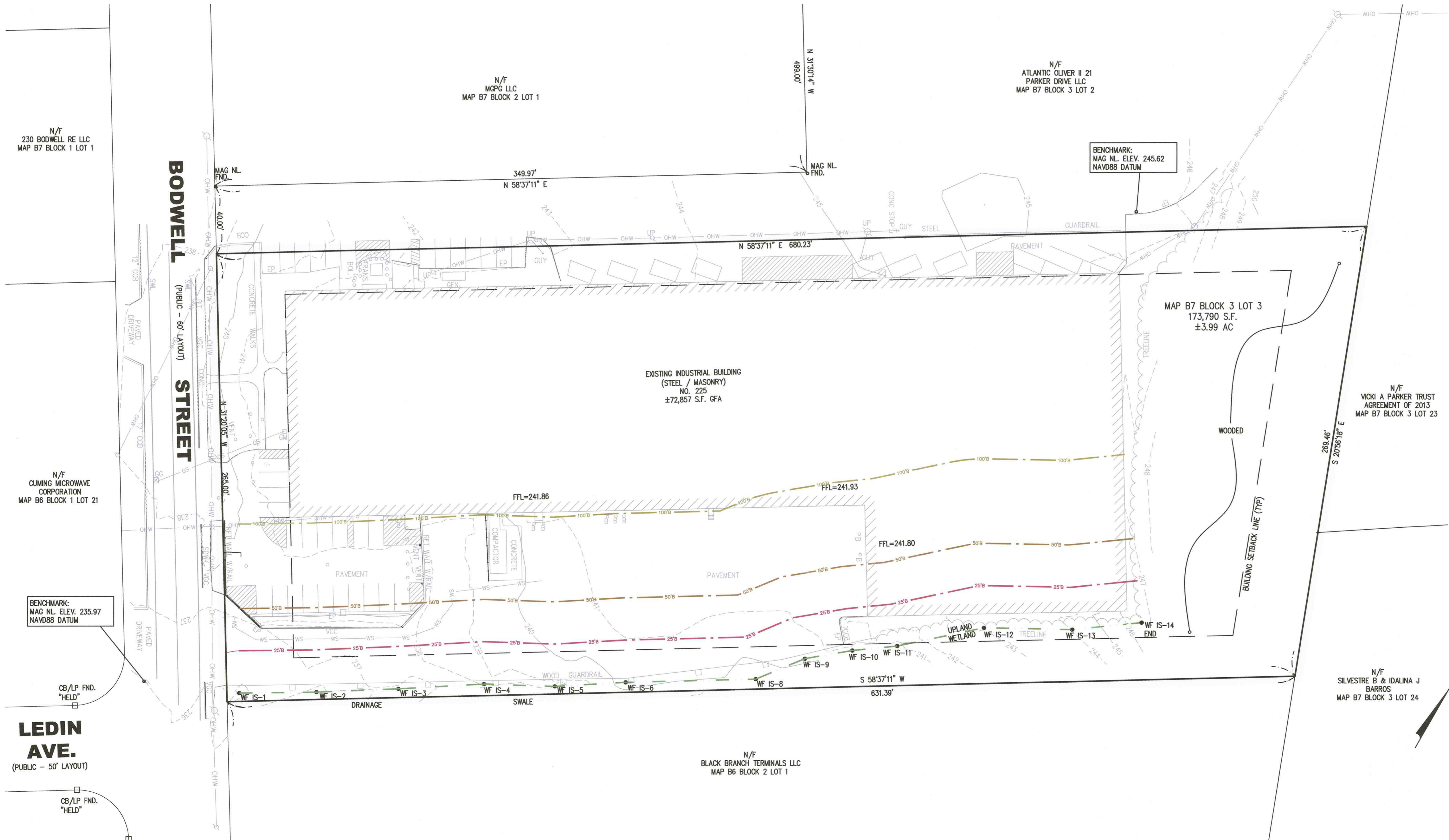
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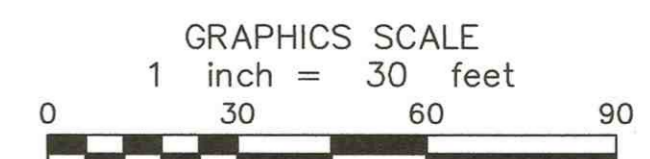
REV.	DATE	DESCRIPTION	BY	APP.

DRAWN BY:	RLG	DATE:	5/22/2023	PROJECT NUMBER:	0931-01-01
DESIGNED BY:	RLG	CHECKED BY:	JLB	DRAWING SCALE:	1" = 30'
APPROVED BY:	JLB	SHEET ID:	X		

**EXISTING CONDITIONS PLAN
SITE PLAN**

**225 BODWELL STREET
AVON, MASSACHUSETTS**

MARSHALL PAPER TUBE COMPANY
225 BODWELL STREET
AVON, MA 02322



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**NOTE: CONCRETE PAD LOCATIONS TAKEN FROM PHOTOVOLTAIC ARRAY PLAN BY NEXTGRID, DATED 4/28/23.

OFF STREET PARKING REGULATIONS:

PER AVON ZONING BYLAWS SECTION 255-8.6

OFFICE AREA ACCESSORY TO MANUFACTURING:
 1 SPACE PER 600 SF OF GROSS FLOOR AREA (GFA)
 WAREHOUSE / STORAGE: 1 SPACE PER 1000 SF OF GROSS FLOOR AREA (GFA)
 MANUFACTURING: 1 SPACE PER 600 SF OF GFA OR 0.75 PER EACH EMPLOYEE OF THE COMBINED EMPLOYMENT OF THE 2 LARGEST SUCCESSIVE SHIFTS, WHICHEVER IS LARGER

OFFICE AREA = 2,576 SF (AS ACCESSORY TO MANUFACTURING)
 (2,576 SF / 600 SF) = 5 SPACES REQUIRED

WAREHOUSE = 44,349 SF
 (44,349 SF / 1,000 SF) = 45 SPACES REQUIRED

MANUFACTURING = 30,732 SF
 (30,732 SF / 600 SF) = 52 SPACES REQUIRED

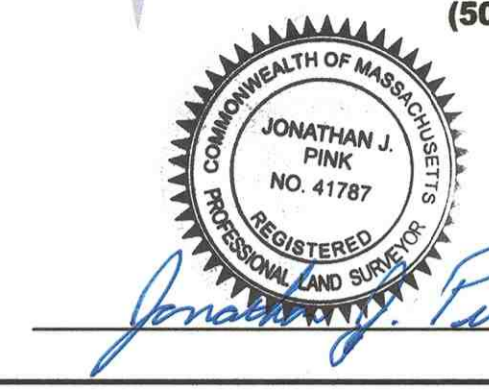
TOTAL EXISTING SPACES ON-SITE: 44 SPACES (1 ACCESSIBLE)

TOTAL SPACES REQUIRED: 102 (5 ACCESSIBLE)

TOTAL SPACES PROVIDED 76 SPACES (4 ACCESSIBLE) (74.5% OF TOTAL REQUIRED BY ZONING)

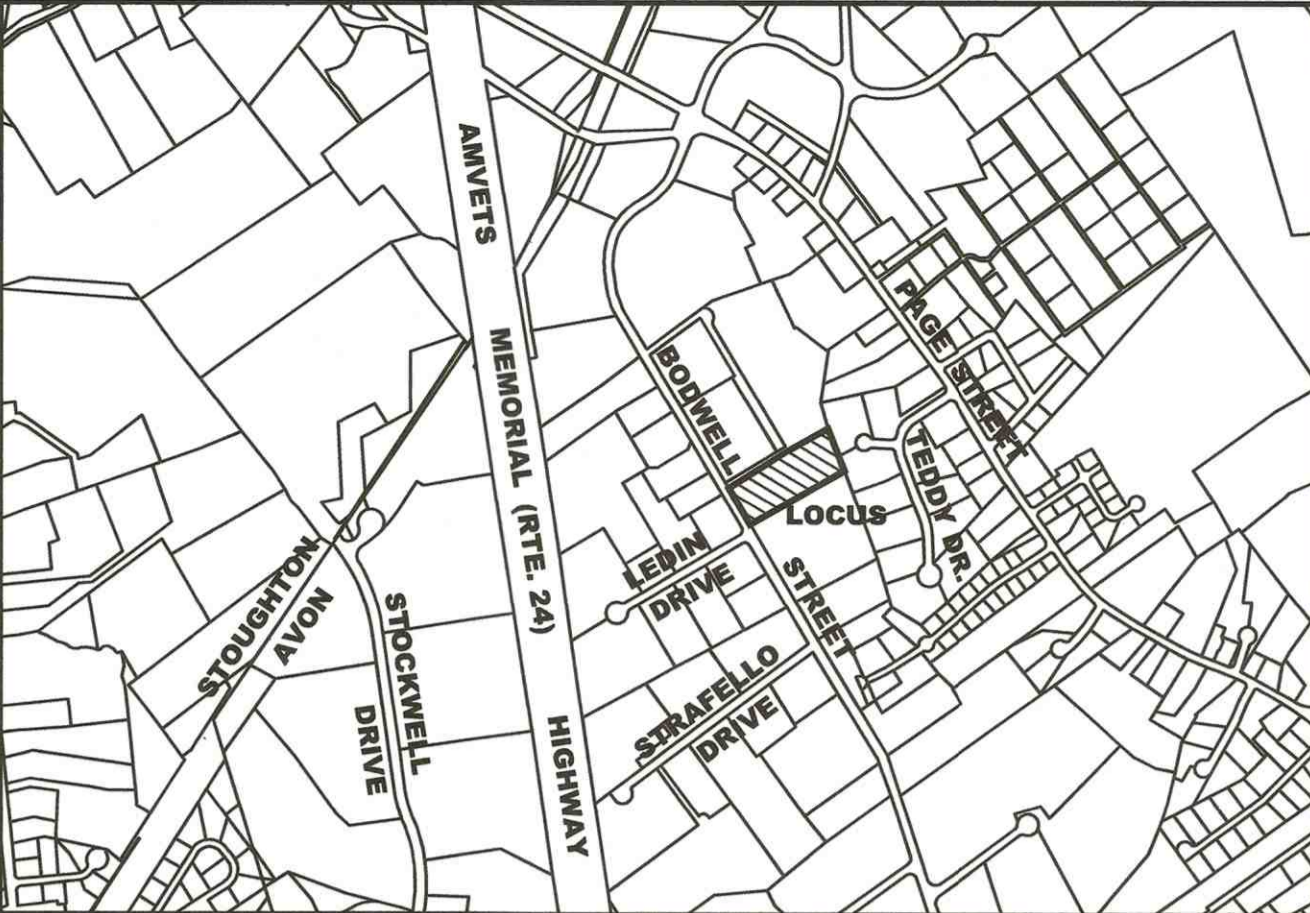
SURVEY COMPANY OF RECORD:

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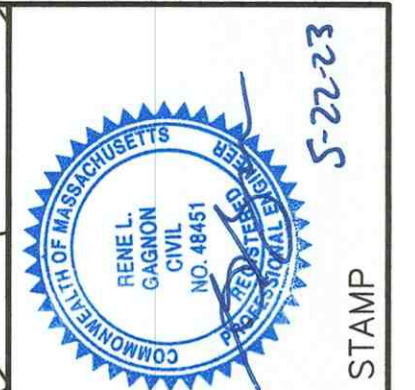


Jonathan J. Pink 5-22-23

ZONING SUMMARY AND COMPLIANCE TABLE (INDUSTRIAL DISTRICT)			
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N.T.S.

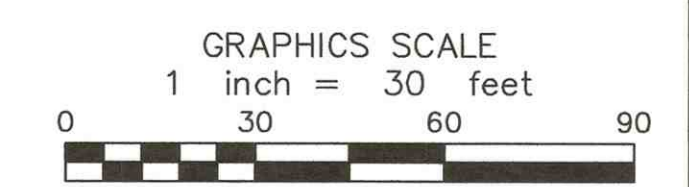
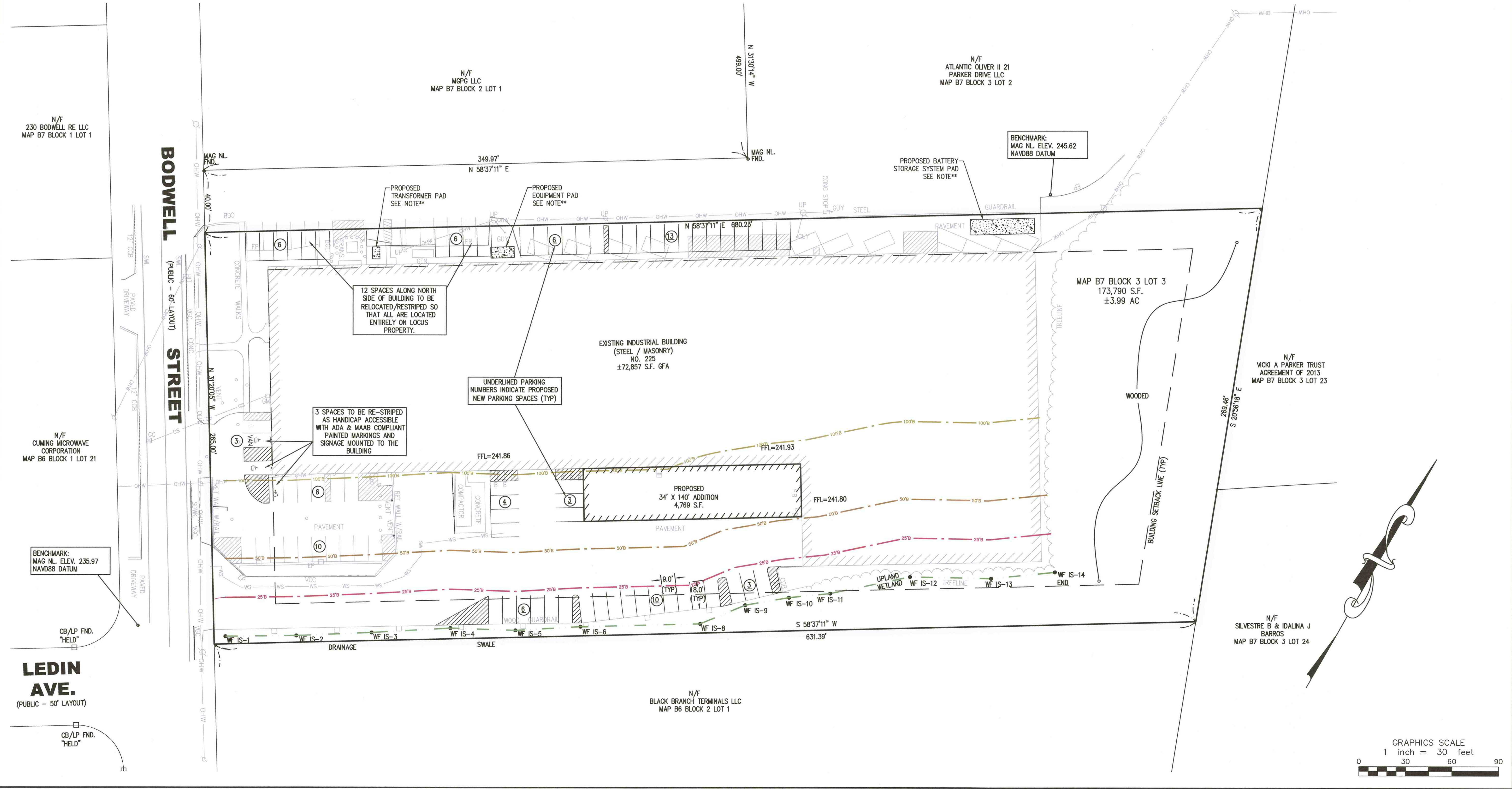


ZCE
ZENITH CONSULTING ENGINEERS, LLC
 3 MAIN STREET LAKEVILLE, MA 02347
 PHONE: (508) 947-4208



DATE	REV.	DESCRIPTION	BY	APP.
5/22/2023				

PROPOSED LAYOUT PLAN
SITE PLAN
225 BODWELL STREET
AVON, MASSACHUSETTS
MARSHALL PAPER TUBE COMPANY
225 BODWELL STREET
AVON, MA 02322

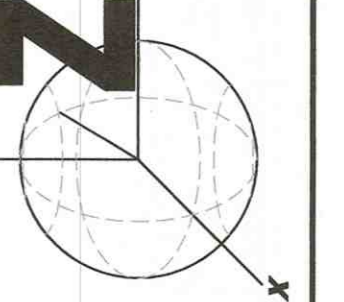


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P.E. STAMP

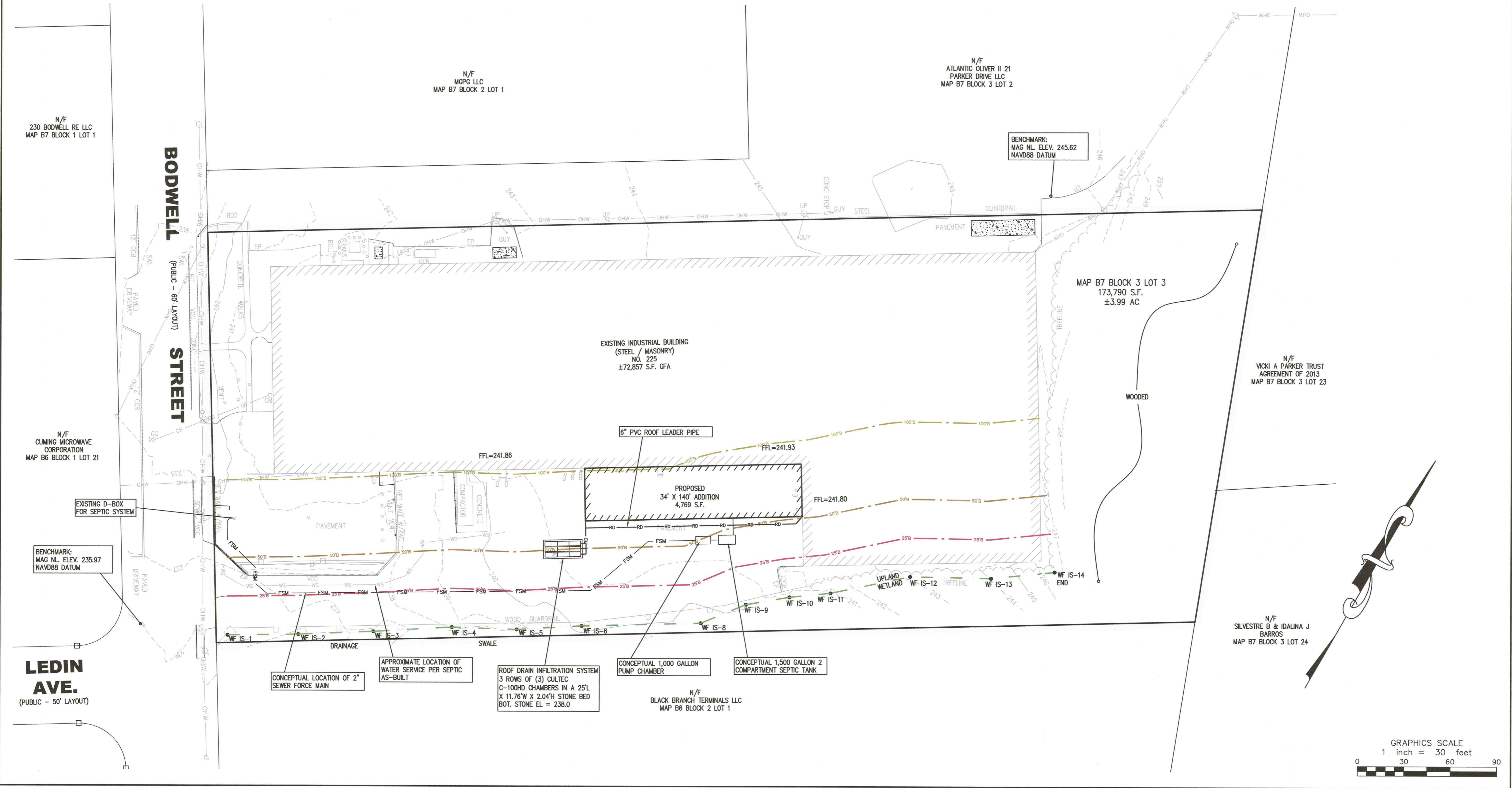
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**NOTE: CONCRETE PAD LOCATIONS TAKEN FROM PHOTOVOLTAIC ARRAY PLAN BY NEXTGRID, DATED 3/24/23.



REV.	DATE	DESCRIPTION	BY	APP.

SHEET NAME:	GRADING & UTILITY PLAN SITE PLAN
PROJECT SITE:	225 BODWELL STREET AVON, MASSACHUSETTS
CLIENT INFO:	MARSHALL PAPER TUBE COMPANY 225 BODWELL STREET AVON, MA 02322
DRAWN BY:	RLG
DESIGNED BY:	RLG
CHECKED BY:	JLB
APPROVED BY:	JLB
DATE:	5/22/2023
PROJECT NUMBER:	0931-01-01
DRAWING SCALE:	1" = 30'
SHEET ID:	G

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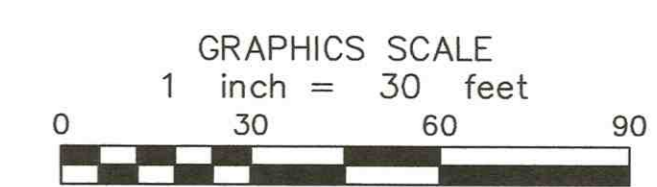
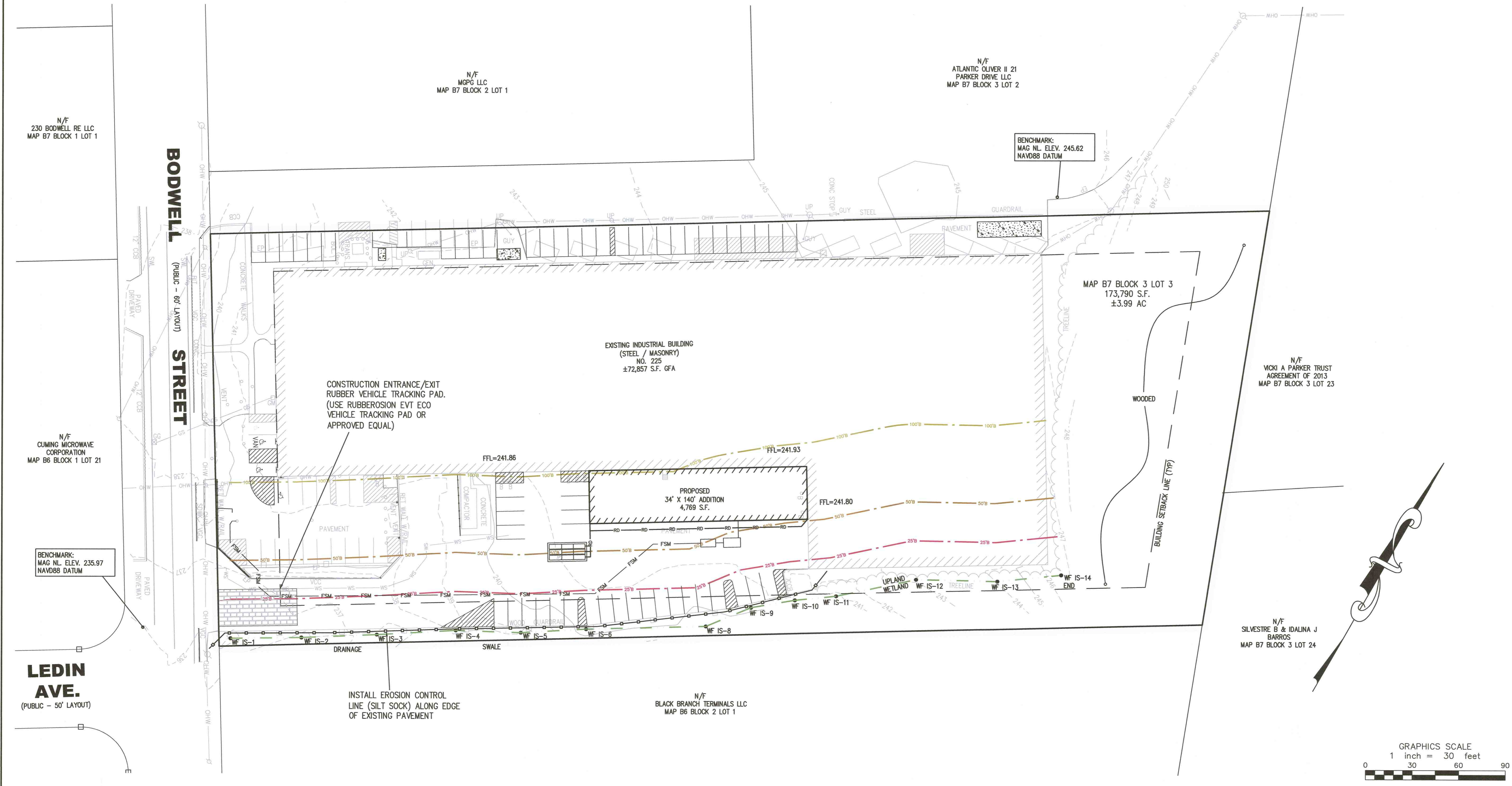


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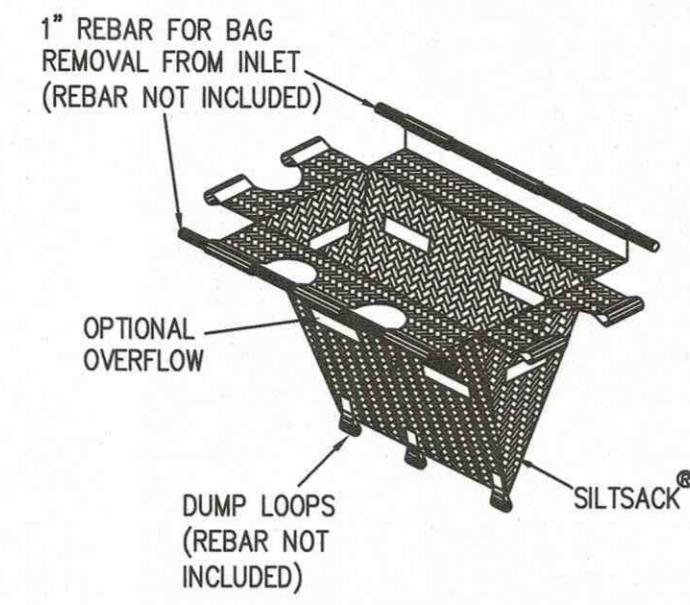
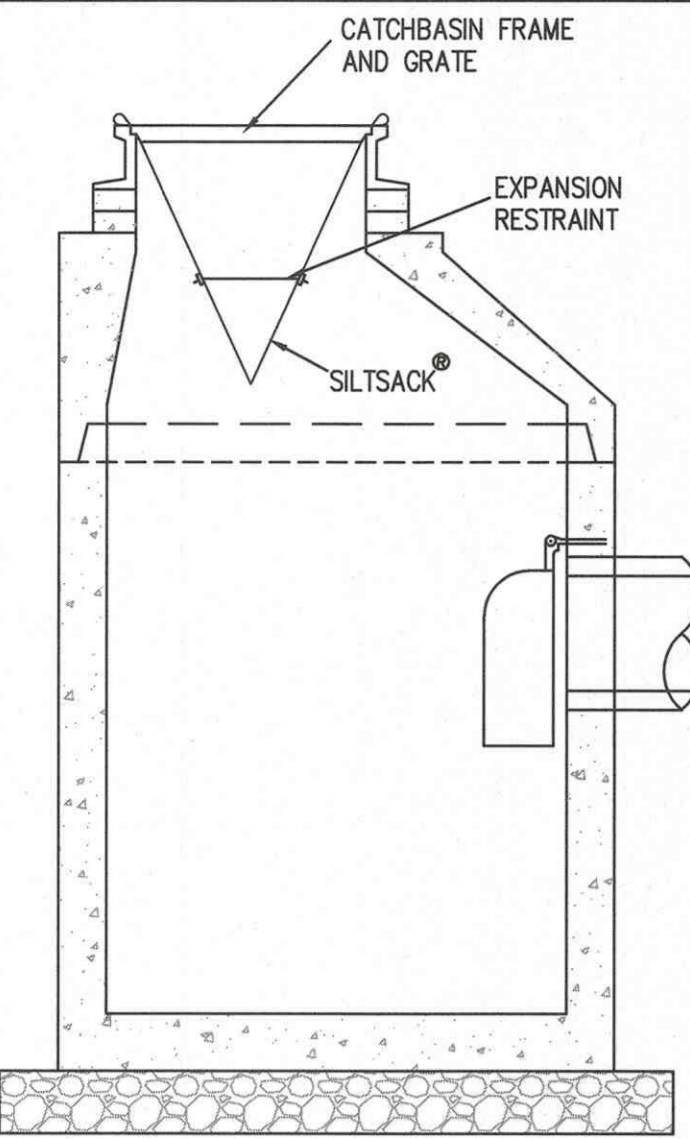


REV.	DATE	DESCRIPTION	BY	APP.

EROSION CONTROL PLAN	DATE: 5/22/2023	PROJECT NUMBER: 0931-01-01	DRAWING SCALE: 1" = 30'	SHEET ID: E
SITE PLAN	DRAWN BY: RLG	DESIGNED BY: RLG	CHECKED BY: JLB	APPROVED BY: JLB
PROJECT SITE: 225 BODWELL STREET AVON, MASSACHUSETTS				
CLIENT INFO: MARSHALL PAPER TUBE COMPANY 225 BODWELL STREET AVON, MA 02322				



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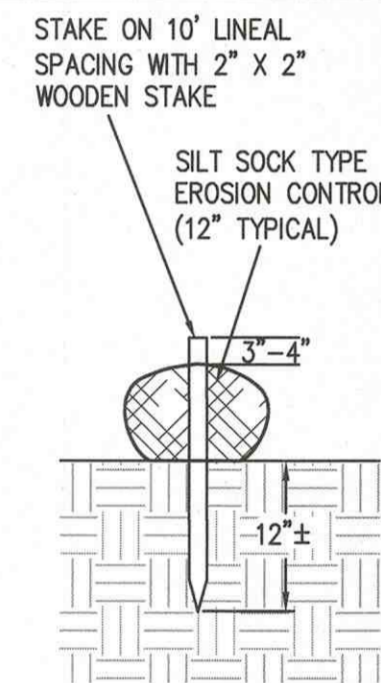
- NOTES:
1. THE SILTSACK® WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.
 2. SILTSACKS WILL BE INSTALLED IN ALL NEW CATCHBASINS IN ADDITION TO EXISTING CATCHBASINS NOTED ON THIS PLAN.

SILTSACK® REGULAR FLOW

PROPERTIES	TEST METHOD	UNITS	TEST RESULTS
GRAB TENSILE	ASTM D-4632	LBS	167.5X300
GRAB ELONGATION	ASTM D-4632	%	10X15
PUNCTURE STRENGTH	ASTM D-4533	LBS.	900
TRAPEZOID TEAR	ASTM D-4533	LBS.	65X90
UV RESISTANCE (6600 HRS)	ASTM D-4355	%	96
AOS	ASTM D-4751	US SIEVE	30
FLOW RATE	ASTM D-4491	GAL/MIN/FT ²	0.66
PERMITTIVITY	ASTM D-4491	SEC-1	0.862

DETAIL OF INLET SEDIMENT CONTROL DEVICE ("SILT SACK")

NOT TO SCALE



SILT SOCK DETAIL
NOT TO SCALE

EROSION AND SEDIMENTATION CONTROL NOTES

THE FOLLOWING MEASURES SHALL BE MAINTAINED THROUGHOUT THE SITE CONSTRUCTION PHASE OF THE PROJECT.

CATCH BASIN PROTECTION

PROPOSED CATCH BASINS SHALL BE PROTECTED WITH SILT SACKS PRIOR TO THE COMPLETION OF PAVING. IF EXCESSIVE SILTATION IS DISCOVERED TO BE ENTERING THE CATCH BASIN INLETS, THEN HAY BALES SHALL ALSO BE PLACED AROUND GRATES AND CATCH BASINS WITHIN THE CONSTRUCTION/DEMOLITION AREAS TO ENSURE THAT RUNOFF ENTERING THE CATCH BASIN HAS BEEN FILTERED THROUGH THE BALES PRIOR TO DISCHARGE.

STABILIZED CONSTRUCTION ENTRANCE

A TEMPORARY STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE EROSION CONTROL PLAN. THE PURPOSE OF THE CONSTRUCTION ENTRANCE IS TO REMOVE SEDIMENT ATTACHED TO VEHICLE TIRES AND MINIMIZE ITS TRANSPORT AND DEPOSITION ONTO PUBLIC ROAD SURFACES. THE CONSTRUCTION ENTRANCE SHALL BE COMPOSED OF A 6-INCH THICK (MINIMUM) BED OF 2-INCH DIAMETER CRUSHED STONE THAT EXTENDS A MINIMUM OF 50 FEET. THE CONSTRUCTION ENTRANCE SHALL BE A MINIMUM OF 25 FEET WIDE, AND SHALL FLARE TO A MINIMUM WIDTH OF 45 FEET WIDE AT THE JUNCTION WITH THE ROADWAY. THE CRUSHED STONE BED SHALL BE REMOVED AND REPLENISHED AS NECESSARY TO MAINTAIN THE PROPER FUNCTION.

EROSION AND SEDIMENT CONTROL - MAINTENANCE

THE PROJECT GENERAL CONTRACTOR SHALL HAVE PRIMARY RESPONSIBILITY FOR IMPLEMENTING TEMPORARY AND PERMANENT CONTROLS DESCRIBED IN THE PLAN AND SHALL BE RESPONSIBLE FOR ASSURING CONTRACTOR COMPLIANCE WITH CONTRACT DOCUMENTS INCLUDING ALL EROSION AND SEDIMENT CONTROL MEASURES.

- DAMAGED OR DETERIORATED ITEMS SHALL BE REPAIRED OR REPLACED IMMEDIATELY AFTER IDENTIFICATION.
- THE UNDERSIDE OF HAYBALES SHOULD BE KEPT IN CLOSE CONTACT WITH THE EARTH AND RESET AS NECESSARY.
- SILT SOCKS SHALL BE INSPECTED AFTER EVERY MAJOR RAINFALL RUNOFF EVENT (OVER 1/2" DEPTH OF PRECIPITATION) OR EVERY 14 DAYS, WHICHEVER OCCURS FIRST. ALL DAMAGED OR MISALIGNED FENCES SHALL BE IMMEDIATELY REPAIRED. SILT SHALL BE IMMEDIATELY REMOVED FROM ALL AREAS OF THE SILT FENCE WHEN DEPTH OF ACCUMULATION EXCEEDS 9 INCHES. EACH REPORT SHALL BE DOCUMENTED ON THE FORM ENCLOSED IN APPENDIX E.
- SUMPS SHALL BE INSPECTED AFTER EVERY MAJOR RAINFALL RUNOFF EVENT (OVER 1/2" DEPTH OF PRECIPITATION) OR EVERY 14 DAYS, WHICHEVER OCCURS FIRST. SILT SHALL BE IMMEDIATELY REMOVED FROM ALL SUMPS WHERE THE DEPTH OF ACCUMULATION EXCEEDS 9 INCHES.
- ALL EXPOSED CONSTRUCTION AREAS SHALL BE STABILIZED UPON COMPLETION IN ORDER TO MINIMIZE THE TIME THAT THESE AREAS ARE UNSTABILIZED.

MATERIALS MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF. THE CONTRACTOR'S SUPERINTENDENT SHALL BE RESPONSIBLE FOR ENSURING THAT THESE PROCEDURES ARE FOLLOWED:

1. GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING CONSTRUCTION:

 - a. AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCTS REQUIRED TO DO THE JOB.
 - b. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER AND, IF POSSIBLE, UNDER A ROOF OR IN A CONTAINMENT AREA. AT A MINIMUM, ALL CONTAINERS SHALL BE STORED WITH THEIR LIDS ON WHEN NOT IN USE. DRIP PANS SHALL BE PROVIDED UNDER ALL DISPENSERS.
 - c. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL IN LEGIBLE CONDITION.
 - d. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
 - e. WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING THE CONTAINER.
 - f. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
 - g. THE CONTRACTOR'S SUPERINTENDENT SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS.
2. HAZARDOUS SUBSTANCES

THESE PRACTICES SHALL BE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS SUBSTANCES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH PRODUCT WITH HAZARDOUS PROPERTIES THAT IS USED AT THE PROJECT SHALL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS SHALL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS SHALL BE MAINTAINED IN THE JOB TRAILER AT THE PROJECT. EACH EMPLOYEE WHO MUST HANDLE A HAZARDOUS SUBSTANCE SHALL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

 - a. PRODUCTS SHALL BE KEPT IN ORIGINAL CONTAINERS WITH THE ORIGINAL LABELS IN LEGIBLE CONDITION.
 - b. ORIGINAL LABELS AND MSDS'S SHALL BE PROCURED AND USED FOR EACH PRODUCT.
 - c. IF SURPLUS PRODUCT MUST BE DISPOSED, MANUFACTURER'S AND LOCAL/STATE/FEDERAL REQUIRED METHODS FOR PROPER DISPOSAL MUST BE FOLLOWED.
3. HAZARDOUS WASTE

IT IS IMPERATIVE THAT ALL HAZARDOUS WASTE BE PROPERLY IDENTIFIED AND HANDLED IN ACCORDANCE WITH ALL APPLICABLE HAZARDOUS WASTE STANDARDS, INCLUDING THE STORAGE, TRANSPORT AND DISPOSAL OF THE HAZARDOUS WASTES. THERE ARE SIGNIFICANT PENALTIES FOR THE IMPROPER HANDLING OF HAZARDOUS WASTES. IT IS IMPORTANT THAT THE SITE SUPERINTENDENT SEEKS APPROPRIATE ASSISTANCE IN MAKING THE DETERMINATION OF WHETHER A SUBSTANCE OR MATERIAL IS A HAZARDOUS WASTE.

FOR EXAMPLE, HAZARDOUS WASTE MAY INCLUDE CERTAIN HAZARDOUS SUBSTANCES, AS WELL AS PESTICIDES, PAINTS, PAINT SOLVENTS, CLEANING SOLVENTS, PESTICIDES, CONTAMINATED SOILS, AND OTHER MATERIALS, SUBSTANCES OR CHEMICALS THAT HAVE BEEN DISCARDED (OR ARE TO BE DISCARDED) AS BEING OUT-OF-DATE, CONTAMINATED, OR OTHERWISE UNUSABLE, AND CAN INCLUDE THE CONTAINERS FOR THOSE SUBSTANCES; OTHER MATERIALS AND SUBSTANCES CAN ALSO BE OR BECOME HAZARDOUS WASTES, HOWEVER, THE CONTRACTOR'S SUPERINTENDENT IS ALSO RESPONSIBLE FOR ENSURING THAT ALL SITE PERSONNEL ARE INSTRUCTED AS TO THESE HAZARDOUS WASTE REQUIREMENTS AND ALSO THAT THE REQUIREMENTS ARE BEING FOLLOWED.

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES SHALL BE FOLLOWED ON THE JOB SITE:

PETROLEUM PRODUCTS

ALL ON-SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. PETROLEUM STORAGE TANKS SHALL BE LOCATED AT MINIMUM 100 LINEAR FEET FROM DRAINAGE WAYS, INLETS AND SURFACE WATERS. ANY PETROLEUM STORAGE TANKS STORED ON-SITE SHALL BE LOCATED WITHIN A CONTAINMENT AREA THAT IS DESIGNED WITH AN IMPERVIOUS SURFACE BETWEEN THE TANK AND THE GROUND. THE SECONDARY CONTAINMENT MUST BE DESIGNED TO PROVIDE A CONTAINMENT VOLUME THAT IS EQUAL TO 110% OF THE VOLUME OF THE LARGEST TANK. ANY MOBILE PETROLEUM TANK SHALL BE PARKED IN A VEHICULAR SERVICE AREA SURROUNDED BY A BERM THAT PROVIDES A CONTAINMENT VOLUME THAT IS EQUAL TO 110% OF THE VOLUME OF THE LARGEST TANK. CONTAINMENT MUST PROVIDE SUFFICIENT VOLUME TO CONTAIN EXPECTED PRECIPITATION AND 110% VOLUME OF THE LARGEST TANK. ACCUMULATED RAINWATER OR SPILLS FROM CONTAINMENT AREAS ARE TO BE PROMPTLY PUMPED INTO A CONTAINMENT DEVICE AND DISPOSED PROPERLY BY A LICENSED HAZARDOUS WASTE TRANSPORTER. DRIP PANS SHALL BE PROVIDED FOR ALL DISPENSERS. ANY ASPHALT SUBSTANCES USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. THE LOCATION OF ANY FUEL TANKS AND/OR EQUIPMENT STORAGE AREAS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

FERTILIZERS

FERTILIZERS SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER SHALL BE WORKED IN THE SOIL TO LIMIT EXPOSURE TO STORMWATER. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

CLEANING SOLVENTS

ALL CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT IN USE. EXCESS SOLVENTS SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM, BUT SHALL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND FEDERAL REGULATIONS.

CONCRETE WASTES

CONCRETE TRUCKS SHALL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE PROJECT SITE, BUT ONLY IN SPECIFICALLY DESIGNATED DIKED AND IMPERVIOUS WASHOUTS WHICH HAVE BEEN PREPARED TO PREVENT CONTACT BETWEEN THE CONCRETE WASH AND STORMWATER. WASTE GENERATED FROM CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW INTO DRAINAGE WAYS, INLETS, RECEIVING WATERS OR ANY LOCATION OTHER THAN THE DESIGNATED CONCRETE WASHOUT. WASTE CONCRETE MAY BE POURED INTO FORMS TO MAKE RIP-RAP OR OTHER USEFUL CONCRETE PRODUCTS. CONCRETE WASHOUTS SHALL BE LOCATED AT MINIMUM 100 LINEAR FEET FROM DRAINAGE WAYS, INLETS, SURFACE WATERS AND WETLAND RESOURCE AREAS.

THE HARDENED RESIDUE FROM THE CONCRETE WASHOUT DIKED AREAS SHALL BE DISPOSED IN THE SAME MANNER AS OTHER NON-HAZARDOUS CONSTRUCTION WASTE MATERIALS OR MAY BE BROKEN UP AND USED ON SITE AS DEEMED APPROPRIATE BY THE CONTRACTOR. MAINTENANCE OF THE WASHOUT IS TO INCLUDE REMOVAL OF HARDENED CONCRETE. FACILITY SHALL NOT BE FILLED BEYOND 95% CAPACITY AND SHALL BE CLEANED OUT ONCE 75% FULL UNLESS A NEW FACILITY IS CONSTRUCTED. THE CONTRACTOR'S SUPERINTENDENT SHALL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED. SAW-CUT PORTLAND CEMENT CONCRETE (PCC) SLURRY SHALL NOT BE ALLOWED TO ENTER STORM DRAINS OR WATERCOURSES. SAW-CUT RESIDUE SHOULD NOT BE LEFT ON THE SURFACE OF PAVEMENT OR BE ALLOWED TO FLOW OVER AND OFF PAVEMENT. RESIDUE FROM SAW-CUTTING AND GRINDING SHALL BE COLLECTED BY VACUUM AND DISPOSED OF IN THE CONCRETE WASHOUT FACILITY.

SOLID AND CONSTRUCTION WASTES

ALL WASTE MATERIALS SHALL BE COLLECTED AND DISPOSED OF AT AN APPROPRIATE SOLID WASTE DISPOSAL AREA.

SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT SHALL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS SHALL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORMWATER DISCHARGES IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMPs MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORMWATER DISCHARGES.

CONTAMINATED SOILS

ANY CONTAMINATED SOILS (RESULTING FROM SPILLS OF HAZARDOUS SUBSTANCES OR OIL OR DISCOVERED DURING THE COURSE OF CONSTRUCTION) WHICH MAY RESULT FROM CONSTRUCTION ACTIVITIES SHALL BE CONTAINED AND CLEANED UP IMMEDIATELY IN ACCORDANCE WITH THE PROCEDURES GIVEN IN THE MATERIAL MANAGEMENT PLAN AND IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS. CONTAMINATED SOILS NOT RESULTING FROM CONSTRUCTION ACTIVITIES, OR WHICH PRE-EXISTED CONSTRUCTION ACTIVITIES, BUT WHICH ARE DISCOVERED BY VIRTUE OF CONSTRUCTION ACTIVITIES, SHOULD BE REPORTED IN THE SAME MANNER AS SPILLS, BUT WITH SUFFICIENT INFORMATION TO INDICATE THAT THE DISCOVERY OF AN EXISTING CONDITION IS BEING REPORTED. IF THERE IS A RELEASE THAT OCCURS BY VIRTUE OF THE DISCOVERY OF EXISTING CONTAMINATION, THIS SHOULD BE REPORTED AS A SPILL, IF IT OTHERWISE MEETS THE REQUIREMENTS FOR A REPORTABLE SPILL.

SITE NOTES:

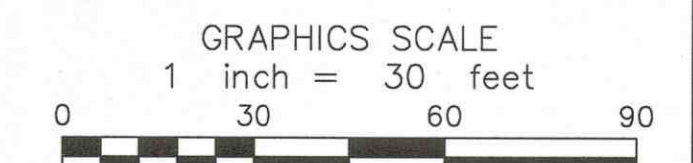
1. THE SITE IS LISTED ON THE TOWN OF AVON ASSESSORS PROPERTY RECORD CARDS AS MAP: B7 BLOCK: 3 LOT: 3.
2. PROPERTY LINE AND EXISTING CONDITIONS INFORMATION WAS TAKEN FROM A FIELD SURVEY BY ZENITH LAND SURVEYORS, LLC.
3. NORFOLK COUNTY REGISTRY OF DEEDS: DEED REFERENCE: BOOK 37526 PAGE 101 PLAN REFERENCE: PLAN BK. 4767 PG. 258
4. THE SUBJECT PROPERTY IS LOCATED IN ZONE X, AS SHOWN ON THE FLOOD INSURANCE RATE MAP (F.I.R.M.) OF NORFOLK COUNTY, MASSACHUSETTS, MAP NUMBER 25021C0218E, MAP REVISED JULY 17, 2012.
5. THE SITE IS NOT LOCATED IN A PRIORITY HABITAT AND ESTIMATED HABITAT AS SHOWN ON THE MASSACHUSETTS NATURAL HERITAGE ATLAS 15TH EDITION EFFECTIVE DATE AUGUST, 2021.
6. THE PROJECT IS NOT LOCATED WITHIN AN AREA OF CRITICAL ENVIRONMENTAL CONCERN (ACEC).
7. THE SITE IS NOT LOCATED IN A ZONE II TO A PUBLIC WATER SUPPLY WELL.
8. THE SITE IS NOT IN A ZONE A TO A SURFACE WATER SUPPLY AREA.
9. THE SITE IS LOCATED IN AN OUTSTANDING RESOURCE WATER AREA (ORW).
10. ALL EXISTING UNDERGROUND UTILITIES SHOWN ARE TO BE CONSIDERED APPROXIMATE AND SHALL BE CONFIRMED BY DIGSAFE AND THE CONTRACTOR PRIOR TO CONSTRUCTION
11. WETLANDS DELINEATED BY: ROBERT GRAY OF SABATIA, INC., ON MAY 16, 2022
12. EXISTING SEPTIC SYSTEM INFORMATION TAKEN FROM AS-BUILT PLAN ENTITLED "ON-SITE SANITARY DISPOSAL SYSTEM COMPONENT AS-BUILT PLAN "REPAIR" - 225 BODWELL STREET, AVON, MA 02322", BY HAYWARD-BOYNTON & WILLIAMS, DATED MAY 25, 2010
13. THE SITE IS LOCATED WITHIN THE TOWN OF AVON WATER SUPPLY PROTECTION DISTRICT AND REQUIRES A SPECIAL PERMIT FROM THE PLANNING BOARD.

**NOTE: CONCRETE PAD LOCATIONS TAKEN FROM PHOTOVOLTAIC ARRAY PLAN BY NEXTGRID, DATED 3/24/23.

CONSTRUCTION OPERATION AND MAINTENANCE SCHEDULE

THE OPERATION AND MAINTENANCE (O&M) SCHEDULE DURING THE CONSTRUCTION PHASE IS THE RESPONSIBILITY OF THE DEVELOPER AND/OR SITE CONTRACTOR. THE OUTLINE BELOW SHALL BE ADHERED TO AS CLOSELY AS POSSIBLE TO ENSURE THE PROPER CONSTRUCTION AND FUNCTION OF THE DRAINAGE SYSTEM.

1. PRIOR TO CONSTRUCTION, SILT SOCK SHALL BE INSTALLED PER THE APPROVED PLANS. THE SILT SOCK SHALL BE INSPECTED PRIOR TO A LARGE STORM EVENT TO ENSURE THAT THE EROSION CONTROL WILL FUNCTION AS REQUIRED AND FOLLOWING A STORM TO INSPECT FOR DAMAGE TO THE EROSION CONTROL ELEMENTS. ANY DAMAGE OR IMPROPER INSTALLATION THAT IS NOTICED PRIOR TO OR FOLLOWING A STORM EVENT SHALL BE PROMPTLY REPLACED OR REPAIRED IN A SATISFACTORY MANNER SO AS TO PREVENT SEDIMENT FROM BYPASSING THE EROSION CONTROL BARRIER.
2. THE LIMIT OF CLEARING SHOWN ON THE APPROVED PLAN SHALL BE STRICTLY ADHERED TO. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE LEVEL OF SAFETY OF STANDING TREES.
3. IN CONJUNCTION WITH THE SITE CONSTRUCTION, ALL DRAINAGE STRUCTURES, INCLUDING THE STORMTRAP SYSTEM, SHALL BE CONSTRUCTED AND STABILIZED AS SOON AS POSSIBLE. METHODS OF STABILIZATION INCLUDE, BUT ARE NOT LIMITED TO, HYDROSEED, LOAM AND SEED, STRAW MULCH, EROSION CONTROL BLANKETS, ETC.
4. THE CATCH BASINS, DRAINAGE MANHOLES, AND FIRST DEFENSE TREATMENT UNITS SHALL BE INSPECTED WEEKLY DURING CONSTRUCTION. ANY SEDIMENT BUILDUP OF EIGHT (8) INCH DEPTH IN EITHER OF THE STRUCTURES SHALL BE PROMPTLY REMOVED BY HAND OR MECHANICAL METHODS AND ALL DEBRIS REMOVED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.



ZCE ZENITH CONSULTING ENGINEERS, LLC
3 MAIN STREET LAKEVILLE, MA 02347
PHONE: (508) 947-4208

DATE	REV.	DATE	DESCRIPTION	BY	APP.
5/22/2023					

DRAWN BY: RLG	DESIGNED BY: RLG	CHECKED BY: JLB	APPROVED BY: JLB	DATE: 5/22/2023	
PROJECT NUMBER: 0931-01-01	DRAWING SCALE: 1" = 30'	SHEET ID: E2			

EROSION CONTROL DETAILS & NOTES

SITE PLAN

PROJECT SITE: 225 BODWELL STREET, AVON, MASSACHUSETTS

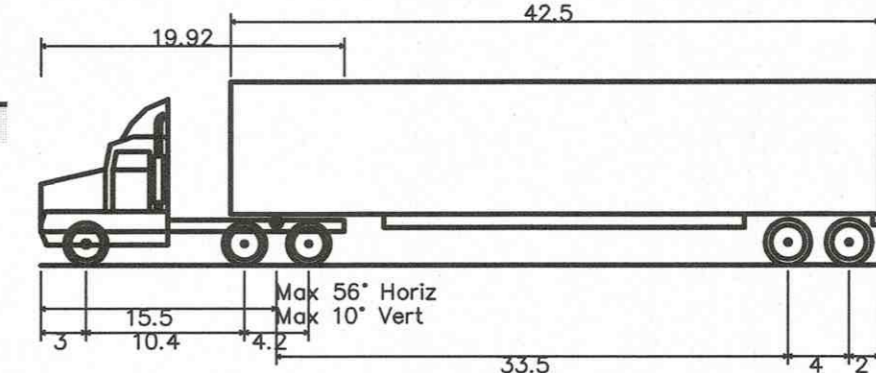
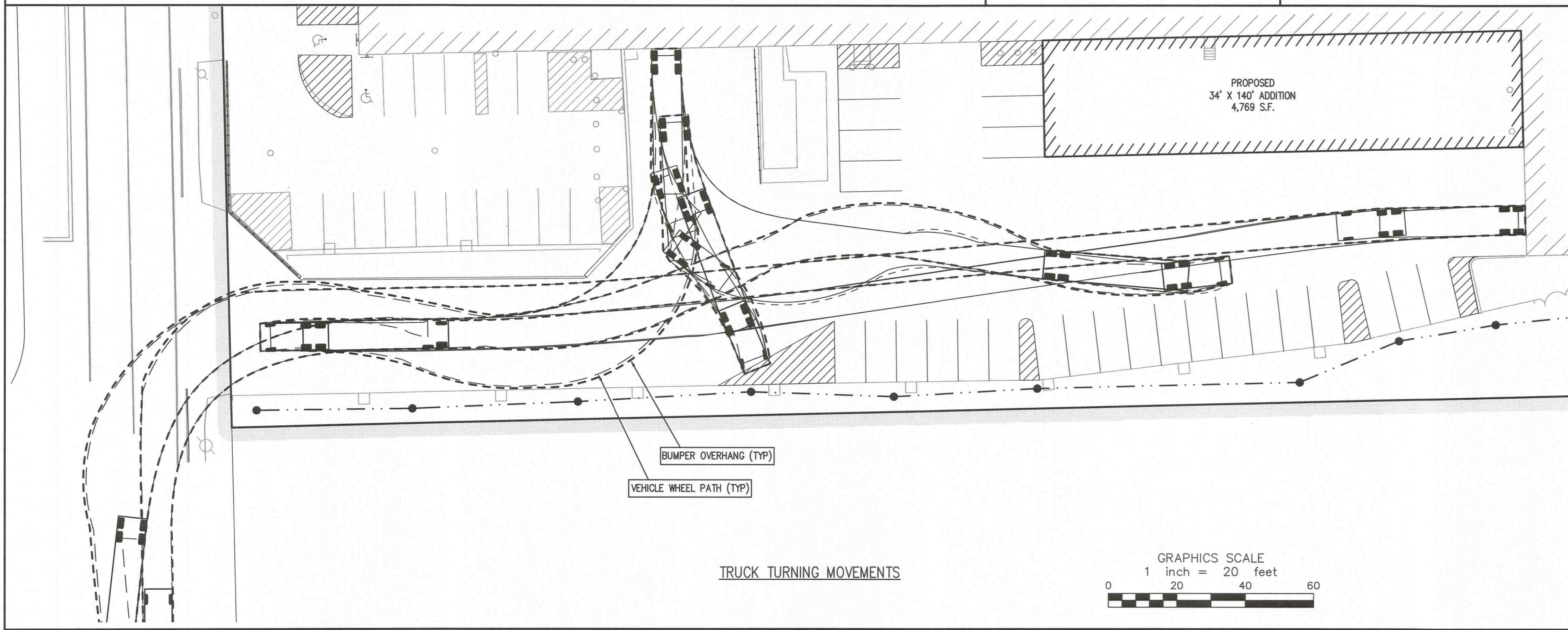
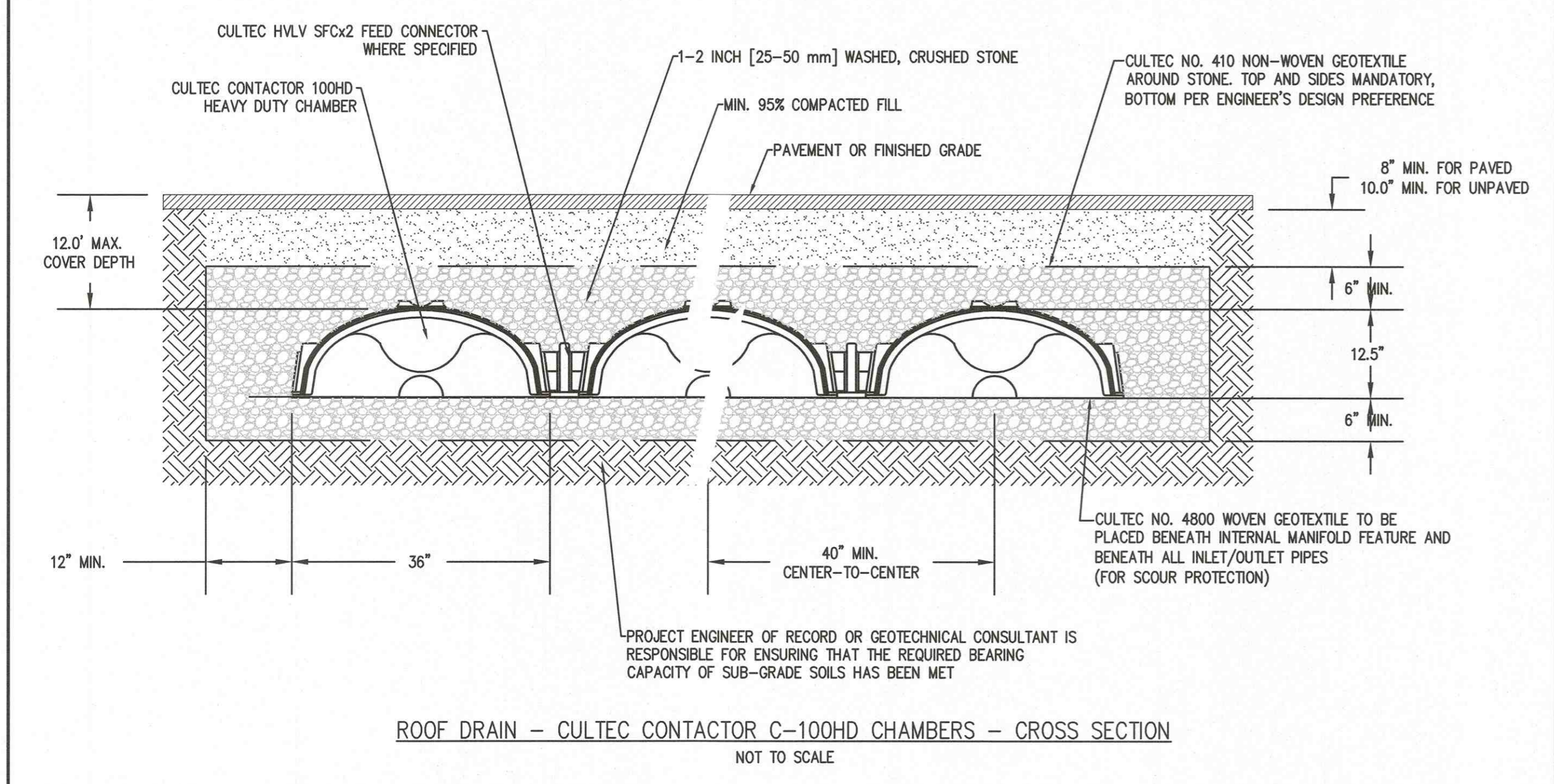
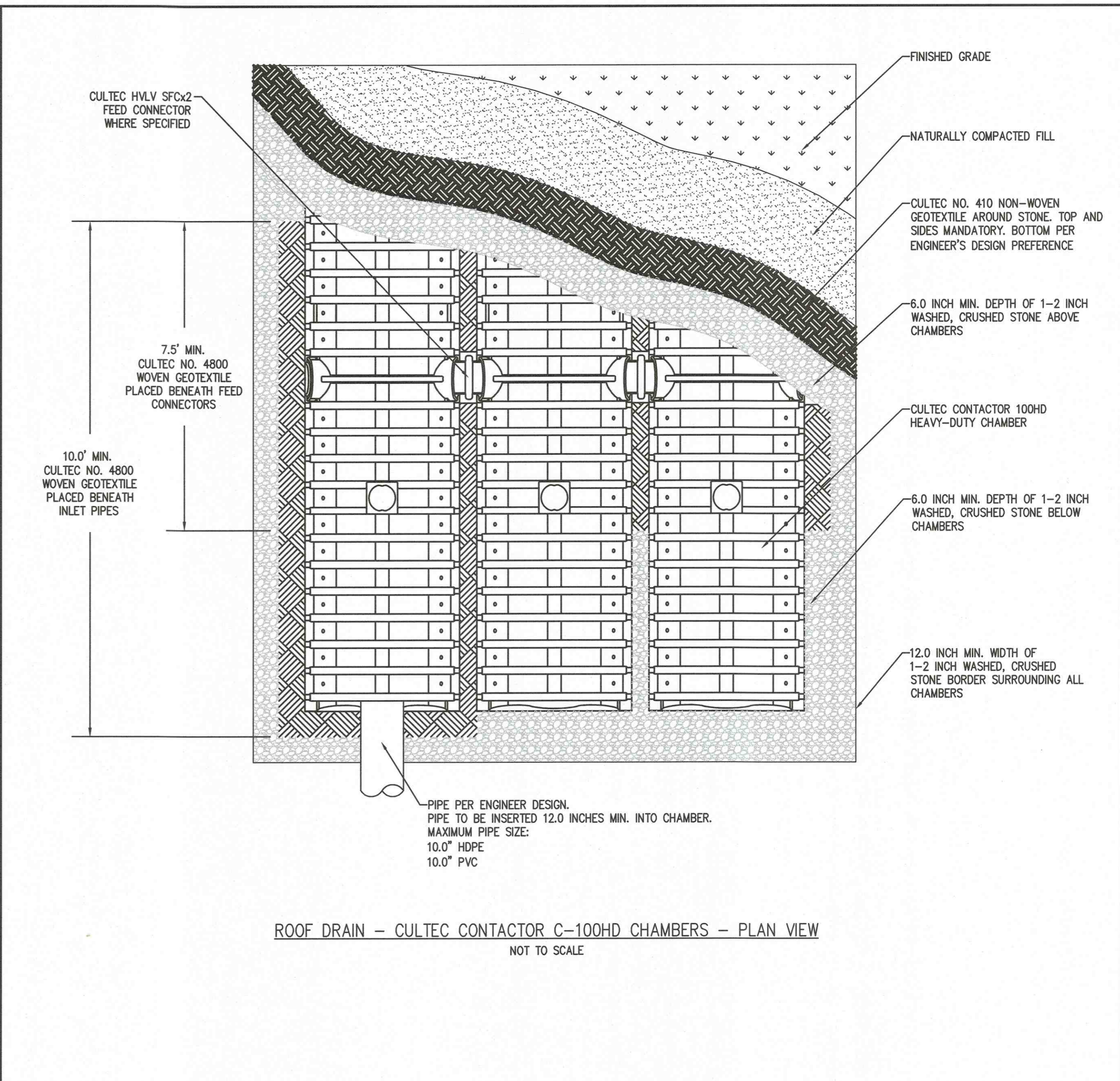
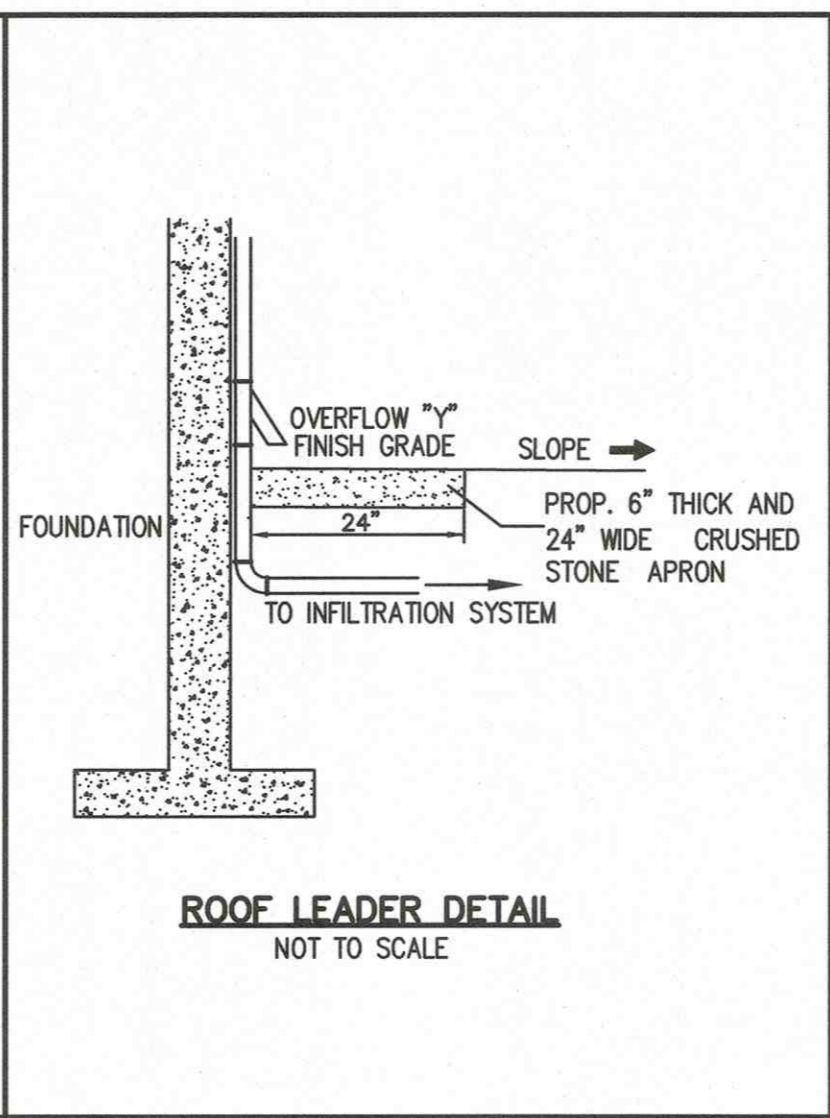
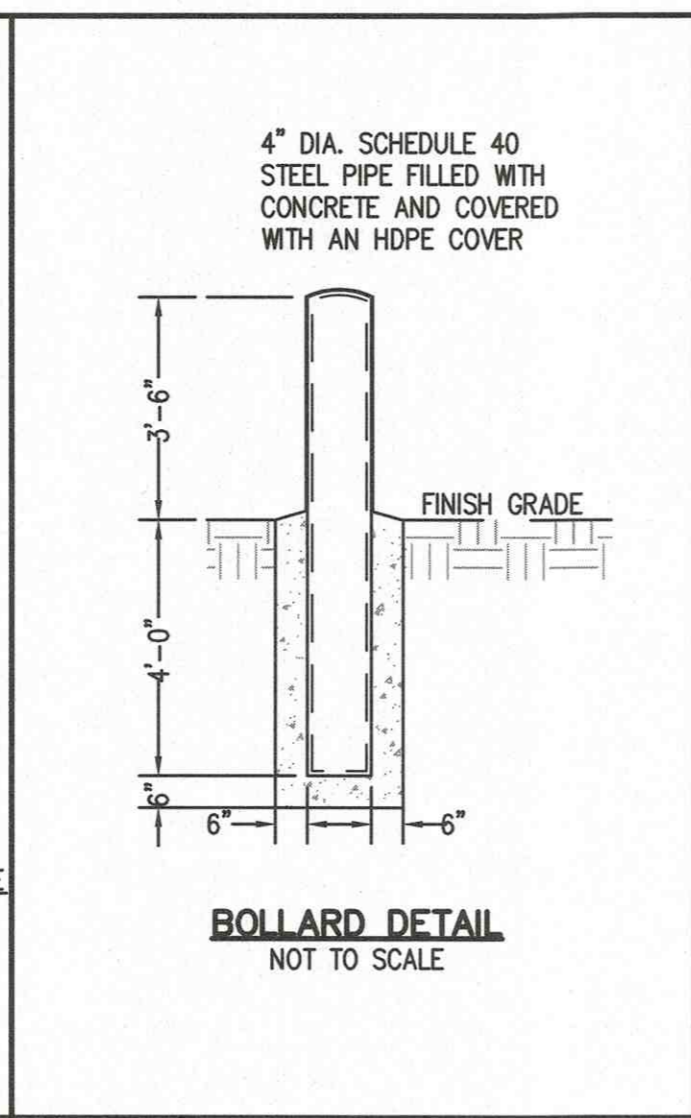
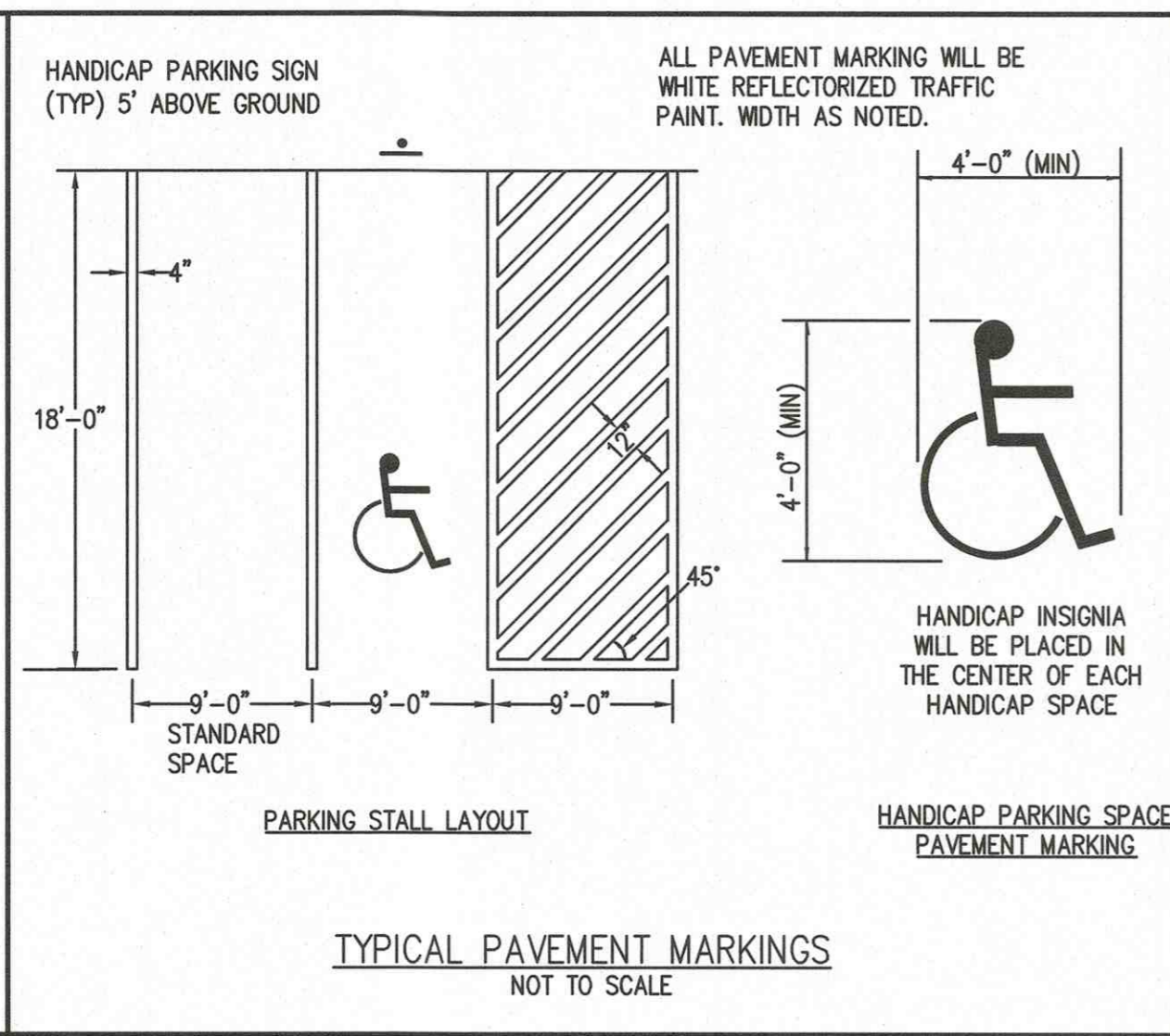
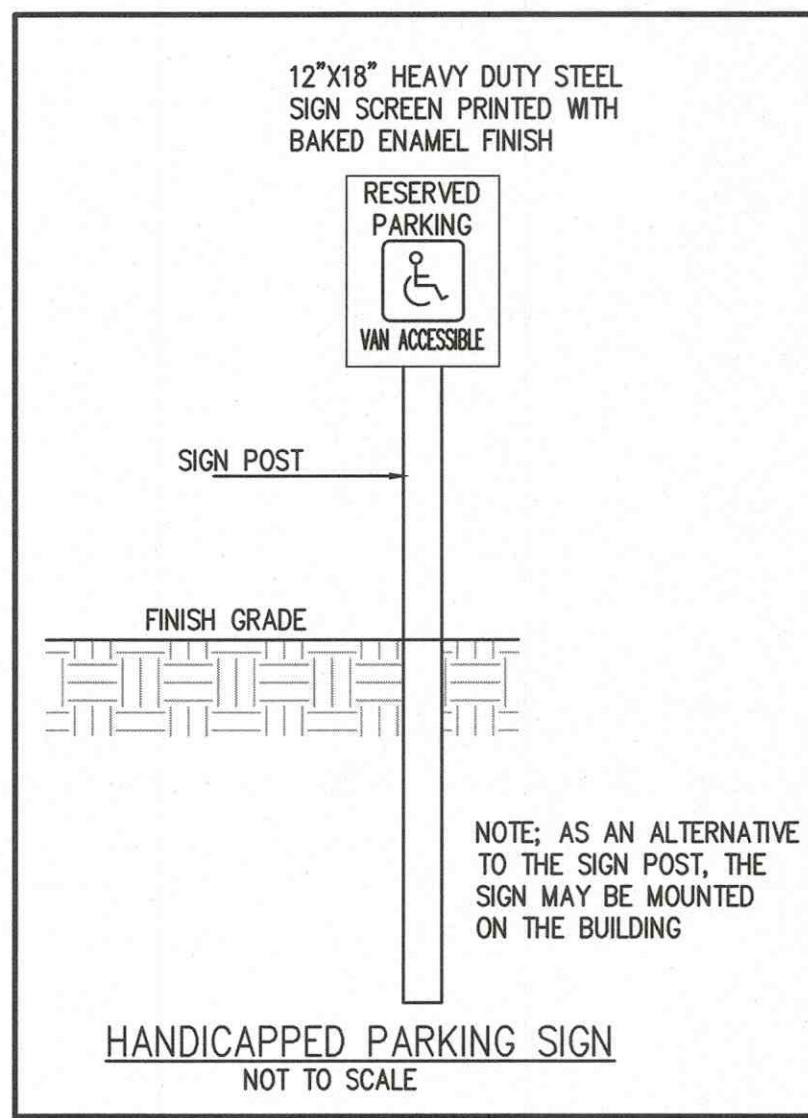
CLIENT INFO: MARSHALL PAPER TUBE COMPANY, 225 BODWELL STREET, AVON, MA 02322

SHEET NAME: EROSION CONTROL DETAILS & NOTES SITE PLAN

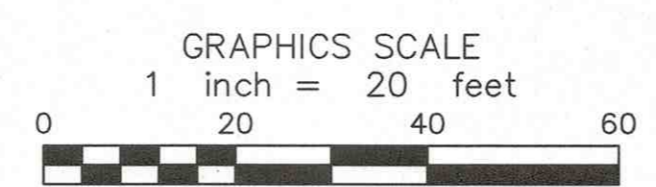
PROJECT SITE: 225 BODWELL STREET, AVON, MASSACHUSETTS

CLIENT INFO: MARSHALL PAPER TUBE COMPANY, 225 BODWELL STREET, AVON, MA 02322

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WB-50 - Intermediate Semi-Trailer	55,000ft
Overall Length	8,500ft
Overall Width	12,052ft
Overall Body Height	1,334ft
Min Body Ground Clearance	8,500ft
Max Track Width	6,00s
Lock-to-lock time	17.90°
Max Steering Angle (Virtual)	



- CONSTRUCTION NOTES:**
- CONTRACTOR TO VERIFY BENCHMARKS FOR CONSISTENCY PRIOR TO CONSTRUCTION AND SHALL NOTIFY ZENITH CONSULTING ENGINEERS, LLC OF ANY DISCREPANCIES.
 - IT IS THE CONTRACTORS' RESPONSIBILITY TO CONTACT DIG SAFE (1-888-DIG SAFE) PRIOR TO THE COMMENCEMENT OF WORK AND ALL UNDERGROUND UTILITY COMPANIES TO CONFIRM LOCATIONS AND ELEVATIONS.
 - SITE IS TO BE SERVICED BY MUNICIPAL WATER AND ON-SITE SEPTIC SYSTEM.
 - ALL PAVEMENT MARKING AND SIGNAGE SHALL CONFORM TO MUTCD STANDARDS.
 - PROPOSED UTILITIES AND CONSTRUCTION METHODS UNDER AREAS SUBJECT TO TRAFFIC LOADING SHALL BE INSTALLED TO WITHSTAND H-20 LOADING TRAFFIC STANDARDS. CONTRACTOR SHALL VERIFY THAT ALL STRUCTURES COMPLY TO THIS STANDARD.
 - WHERE ALL CONCRETE STRUCTURES INTERCEPT THE SEASONAL HIGH GROUNDWATER TABLE, THE CONTRACTOR SHALL SEAL THE ENTIRE STRUCTURE WITH WATERPROOF SEALER.
 - IF APPLICABLE, ANY RETAINING WALLS SHALL BE DESIGNED BY A MASSACHUSETTS REGISTERED PROFESSIONAL STRUCTURAL ENGINEER.
 - ALL WORK SHALL CONFORM TO THE TOWN OF AVON RULES AND REGULATIONS AND THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND BRIDGES, MOST CURRENT VERSION OF PLAN SET.

RENE L. BOVEIL
NO. 48481
STATE OF MASSACHUSETTS
REGISTERED PROFESSIONAL ENGINEER
S-72-23
P.E. STAMP

ZCE ZENITH CONSULTING ENGINEERS, LLC
3 MAIN STREET LAKEVILLE, MA 02347
PHONE: (508) 947-4208

REV.	DATE	DESCRIPTION	BY	APP.

SITE DETAILS

PROJECT SITE: 225 BODWELL STREET, AVON, MASSACHUSETTS

CLIENT INFO: MARSHALL PAPER TUBE COMPANY, 225 BODWELL STREET, AVON, MA 02322

DATE: 5/22/2023

PROJECT NUMBER: 0931-01-01

DRAWING SCALE: AS SHOWN

SHEET ID: D

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