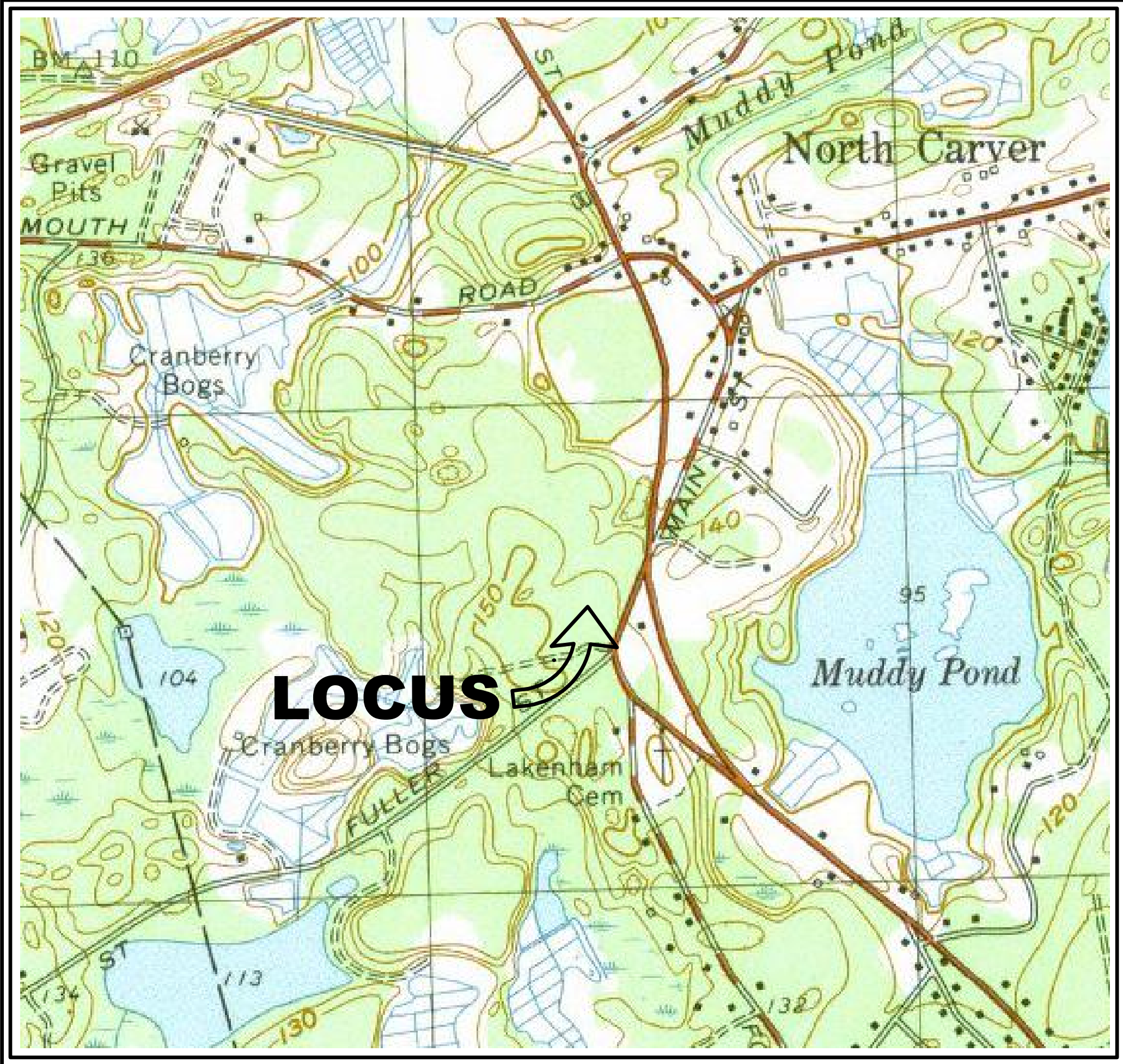


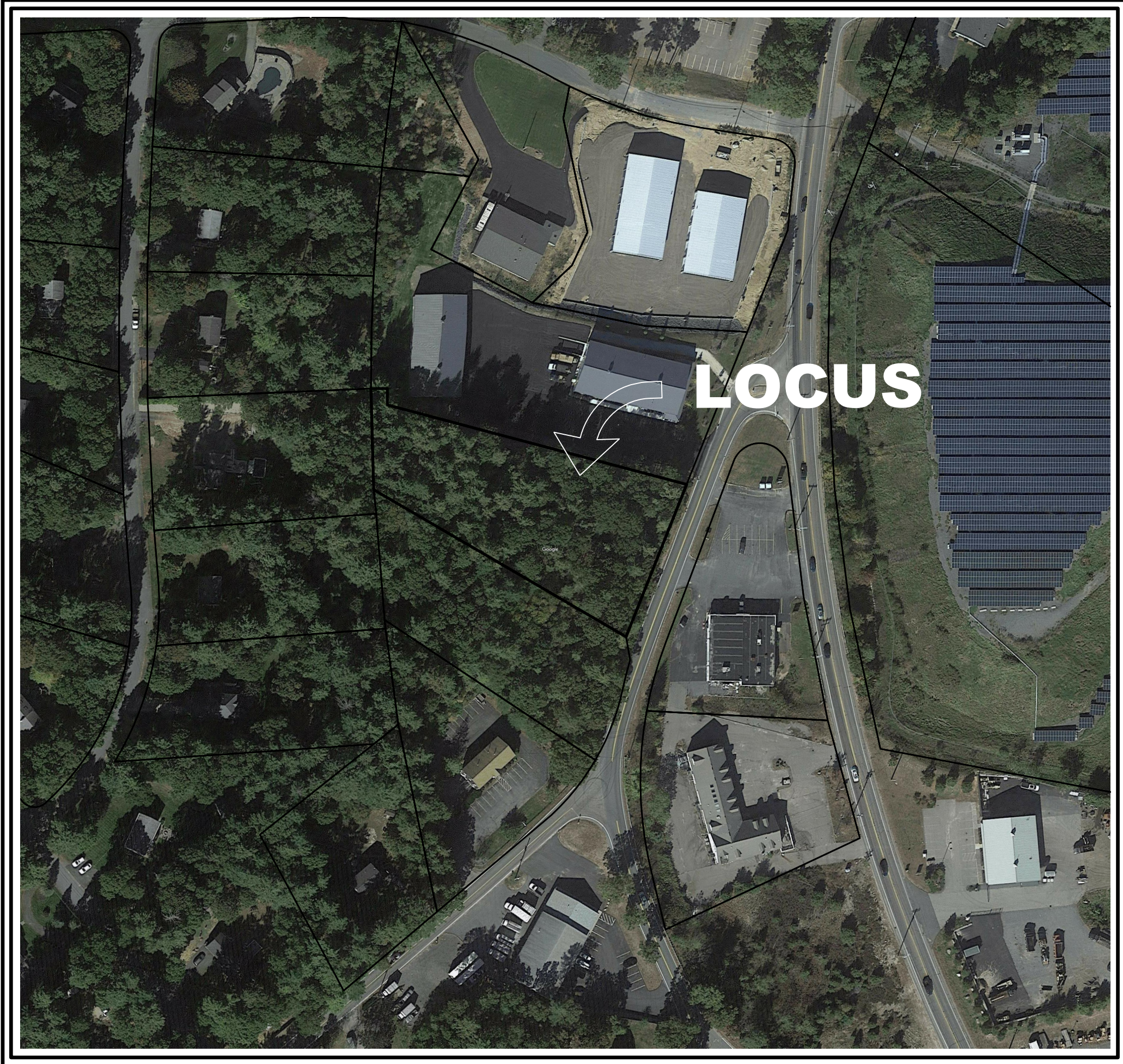
# SITE PLAN

## COMMERCIAL DEVELOPMENT

### 0 FOREST STREET (MAP 49, BLOCK 62, LOT 7-R) , CARVER, MA



LOCUS MAP  
NOT TO SCALE



AERIAL MAP  
NOT TO SCALE

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SSD1.2	SEPTIC SYSTEM DETAILS-2

TOWN OF CARVER PLANNING BOARD:

SITE PLAN APPROVAL

DATE APPROVED:

DATE ENDORSED:

OWNER(S):  
CARVER HOMES, INC,  
25 MAGOUN PATH  
MARSHFIELD, MA

APPLICANT:  
PRIOLO CONCRETE FORMS, INC  
233 PEMBROKE STREET  
KINGSTON, MA 02364

PREPARED BY:

RiverHawk  
ENVIRONMENTAL  
CIVIL ENGINEERING & ENVIRONMENTAL CONSULTING  
2183 OCEAN STREET, MARSHFIELD, MA 02050  
781-536-4639 www.RiverHawkLLC.com

PREPARED JUNE 9, 2022

LEGEND					
DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION	EXISTING	PROPOSED
CATCH BASINS			INTERMEDIATE CONTOUR		
SEWER MANHOLE			INDEX CONTOUR		
DRAIN MANHOLE			SPOT ELEVATIONS		
ELECTRIC MANHOLE			DRAIN LINE		
SW TREATMENT UNIT			SEWER LINE		
GAS GATE			WATER LINE		
WATER GATE			GAS LINE		
FIRE HYDRANT			ELECTRICAL LINE		
POWER POLE			200' RIVERFRONT AREA		
CHAIN LINK FENCE			100' RIVERFRONT AREA		
STOCKADE FENCE			100' BUFFER ZONE		
OVERHEAD WIRES			50' BUFFER ZONE		
LIGHT POLE			30' BUFFER ZONE		
			LIMIT OF FLOOD ZONE AE		
			WETLAND FLAG		



**CURRENT OWNER**

**CURRENT APPLICANT**  
PRIOLO CONCRETE FORMS, INC.  
233 PEMBROKE STREET  
KINGSTON, MA 02364

MAP 49, BLOCK 62, LOT 7-R

BOOK 9563, PAGE 77 (PLYMOUTH COUNTY REGISTRY OF DEEDS)

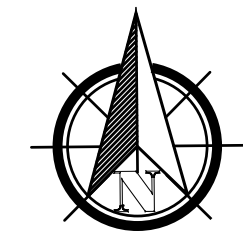
**ZONING DISTRICT(S)**  
GENERAL BUSINESS

FLOOD PLAIN - ZONE X

**HORIZONTAL DATUM:**  
NAD83, MA MAINLAND

## NAVD88

1. EXISTING CONDITIONS PLAN & PROPERTY LINES SHOWN ARE BASED ON AN ON-THE-GROUND SURVEY CONDUCTED BY RIVER HAWK LAND SURVEY, LLC (RHLs) IN JUNE 2022. EXISTING TOPOGRAPHY OFF-SITE FROM 2011 LIDAR DATA.
2. EXISTING FEATURES ON ABUTTING PROPERTIES WERE SCALED FROM DESIGN PLANS PREPARED BY OTHERS.
3. BENCHMARK TO BE SET BY RHLs WITHIN 75' OF THE SEPTIC SYSTEM.
4. THERE ARE NO KNOWN WETLANDS WITHIN 100 FEET OF THE SUBJECT PROPERTY.
5. THE SUBJECT PROPERTY IS LOCATED IN ZONE X, AS SHOWN ON THE FLOOD INSURANCE RATE MAP (F.I.R.M.) OF PLYMOUTH COUNTY, MASSACHUSETTS, MAP NUMBER 25023C0427K DATED JULY 16, 2015.
6. THE LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY, AND ARE NOT WARRANTED TO BE CORRECT. UNDERGROUND UTILITIES ARE SHOWN BASED ON EITHER RECORD DATA PROVIDED BY THE OPERATING AUTHORITIES, VISUAL INSPECTION OF AVAILABLE ABOVEGROUND STRUCTURES, PHYSICAL SURFACE MARKINGS FOUND, OR DATA PROVIDED BY OTHERS. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT INDICATED ON THESE PLANS. ALL EXISTING UTILITIES SHALL BE VERIFIED FOR SERVICE, SIZE, INVERT ELEVATION, LOCATIONS, ETC. PRIOR TO NEW CONNECTIONS TO OR RELOCATION OF SAME. CONTRACTOR MUST NOTIFY DIG-SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION. NOTIFY THIS FIRM IN WRITING OF ANY AND ALL DISCREPANCIES PRIOR TO COMMENCING ANY WORK.



PRIOLO CONCRETE FORMS, INC.  
233 PEMBROKE STREET  
KINGSTON, MA 02364

06/09/2022



**RiverHawk**  
ENVIRONMENTAL

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COMMERCIAL DEVELOPMENT  
0 FOREST STREET  
MAP 49, BLOCK 62, LOT 7-R  
CARVER, MA

## EXISTING CONDITIONS PLAN

DATE: JUNE 9, 2022	PROJECT NO. 00488-01-01	SCALE: AS SHOWN
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## EX1.1



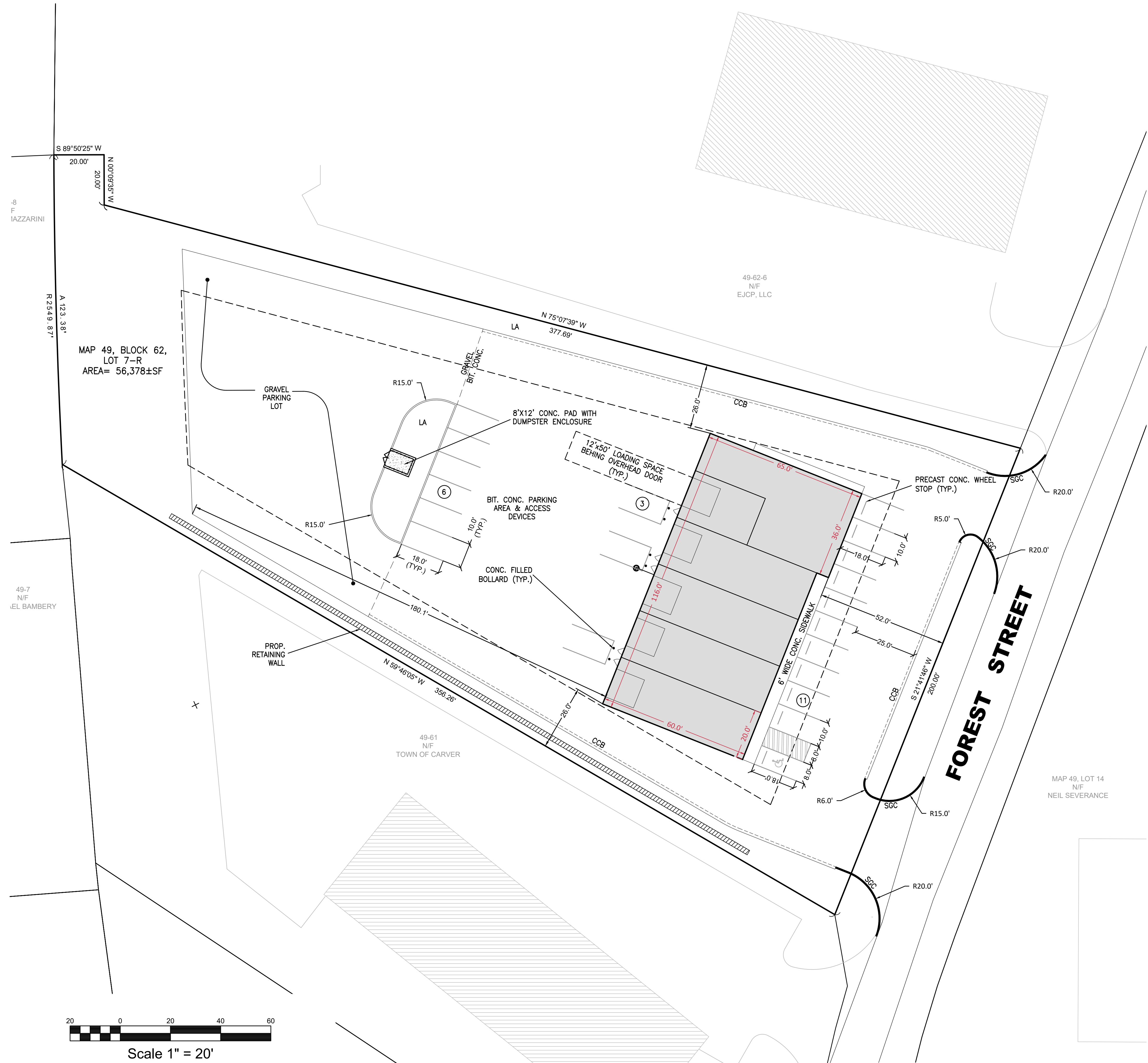
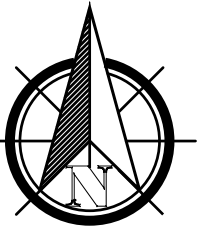
PARCEL ID: 49-68-7-R  
TOTAL AREA: 56,378± S.F. (1.29± ACRES)  
ZONING DISTRICT: GENERAL BUSINESS

<b>ITEM:</b>	<b>REQUIRED</b>	<b>PROPOSED</b>
LOT AREA (SF)	40,000	56,378±
FRONTAGE (FT)	200	200.00
FRONT SETBACK (FT)	40	52.0
SIDE SETBACK (FT)	25	26.0 & 26.0
REAR SETBACK (FT)	25	180.1
BLDG. COVERAGE (%)	50	12.7

CRAFTSMANS/TRADESMAN - ALLOWED BY RIGHT

ADA SPACES PROVIDED ON-SITE: 1 (VAN ACCESSIBLE)

1. A WAIVER FROM SECTION 3351, ALLOWING A CURB CUT WITHIN 75' OF AN EXISTING CURB CUT IS REQUESTED. THE ABUTTING PROPERTIES TO THE NORTH AND SOUTH ALONG FOREST STR. BOTH HAVE CURB CUTS THAT ARE IMMEDIATELY ADJACENT TO THE SUBJECT PROPERTY.
2. A WAIVER FROM SECTION 3200 WHICH REQUIRES A 20' FRONT YARD LANDSCAPE BUFFER AND 10' SIDE YARD BUFFER IS REQUESTED. WAIVERS ALLOWING A 10' FRONT AND 9' SIDE BUFFERS ARE REQUESTED. THE SUBJECT PROPERTY ABUTS COMMERCIAL PROPERTIES ON BOTH SIDES AND ACROSS THE ROADWAY.
3. A WAIVER FROM SECTION 3341 WHICH REQUIRES TO THE EXTENT FEASIBLE THAT PARKING SHOULD NOT BE LOCATED FORWARD OF ANY BUILDING FRONT LINE IS REQUESTED. GIVEN THE LONG NARROW SHAPE OF THE LOT, A WAIVER FROM THIS REQUIREMENT IS REQUESTED.
4. A WAIVER FROM SECTION 3131(g) WHICH REQUIRES THAT TREES WITH GREATER THAN 10" CALIPER BE SHOWN ON THE PLANS IS REQUESTED. IN ORDER TO ACCOMMODATE THE PROPOSED DEVELOPMENT, MOST OF THE SITE WILL BE CLEARED.

[illegible]

**PRIOLO CONCRETE FORMS, INC.**  
233 PEMBROKE STREET  
KINGSTON, MA 02364

06/09/2022

The logo for RiverHawk Environmental. It features the word "RiverHawk" in a large, bold, black serif font, with a stylized yellow hawk in flight positioned over the "i" and "v". Below this, the word "ENVIRONMENTAL" is written in a smaller, black, all-caps sans-serif font. A blue swoosh underline separates the two text elements.

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COMMERCIAL DEVELOPMENT  
0 FOREST STREET  
MAP 49, BLOCK 62, LOT 7-R  
CARVER, MA

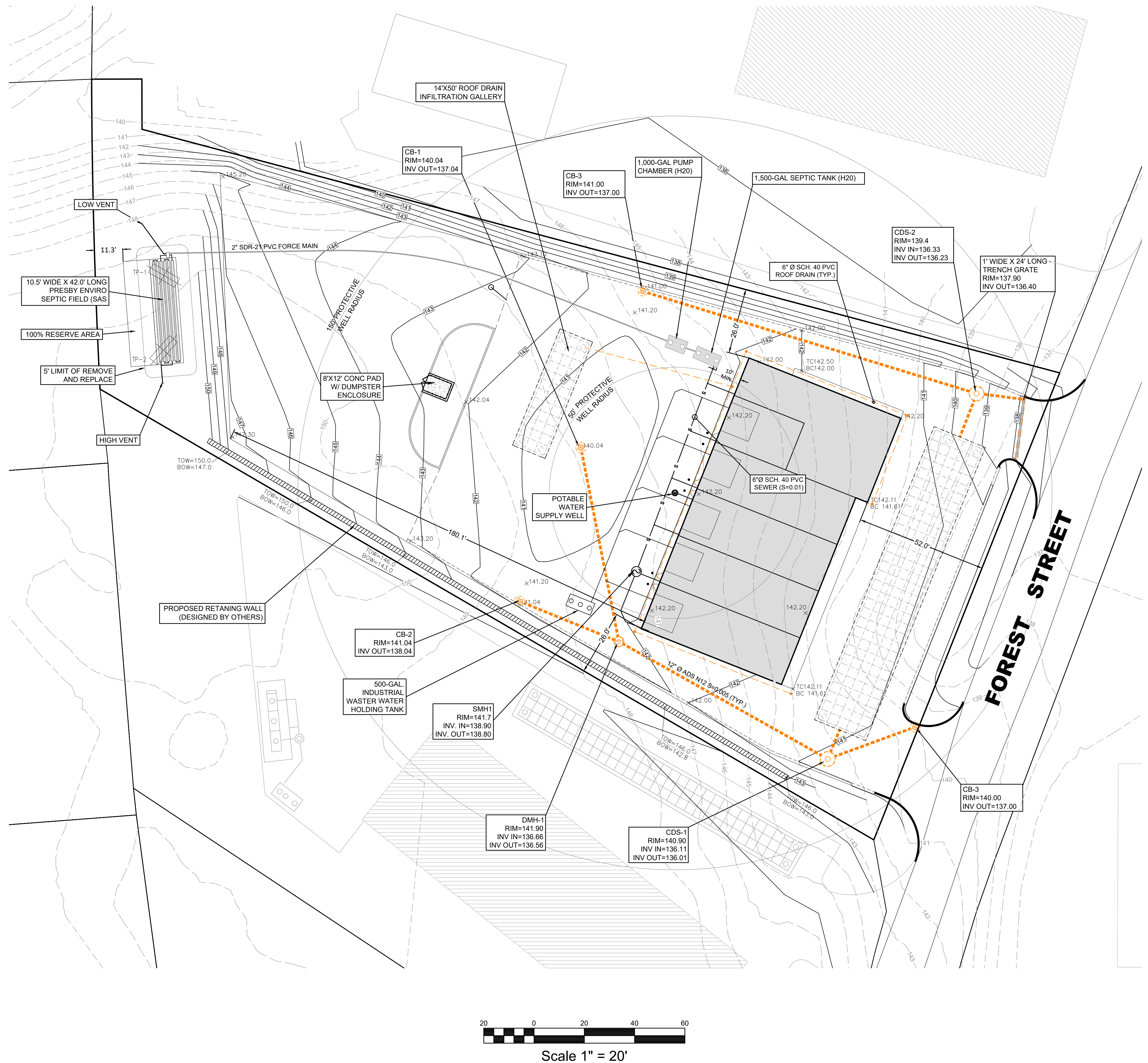
# SITE LAYOUT PLAN

## SP1.1

DATE:	PROJECT NO.	SCALE:
JUNE 9, 2022	00488-01-01	AS SHOWN



1. ALL SITE WORK SHALL MEET OR EXCEED THE SITE SPECIFICATIONS PREPARED THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE OWNER PRIOR TO ANY SITE WORK WHICH WOULD BE AFFECTED.
2. NO CERTIFICATION IS MADE AS TO THE EXISTENCE OR NON EXISTENCE OF ANY SUBSURFACE STRUCTURE/UTILITY NOT VISIBLE AND EVIDENCED FROM THE GROUND SURFACE.
3. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO THE START ANY WORK.
4. ALL DRAINAGE PIPE TO BE 12"Ø ADS N-12 SLOPED AT 0.005FT/FT, UNLESS SPECIFIED OTHERWISE.
5. UNLESS SPECIFIED, ALL MATERIALS SHALL BE COMPLIANT WITH THE LATEST TOWN OF CARVER PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
6. THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER'S ENGINEER. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE OWNER AND OWNER'S ENGINEER FOR RESOLUTION.
7. CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL CONDITION.
8. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION AT NO COST TO THE OWNER.
9. ALL UTILITY COVERS, GRATES, ETC. TO REMAIN SHALL BE ADJUSTED TO BE FLUSH WITH THE FINISH GRADE UNLESS OTHERWISE NOTED. RIM ELEVATIONS FOR STRUCTURES AND MANHOLES ARE APPROXIMATE.
10. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT, CURBS AND EARTHWORK SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
11. ALL SEDIMENT IS TO BE KEPT OUT OF THE PROPOSED INFILTRATION AREAS, WHICH SHALL NOT BE USED UNTIL ALL CATCH BASINS AND OTHER DRAINAGE SYSTEM APPURTENANCES ARE INSTALLED AND FUNCTIONAL.
12. PITCH EVENLY BETWEEN SPOOT GRADES. GRADE ALL AREAS TO DRAIN.
13. CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PUDDLING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF FINISH SUBGRADE. PROVIDE TEMPORARY POSITIVE DRAINAGE AS REQUIRED.
14. OTHER THAN THOSE SHOWN, THERE ARE NO SEPTIC SYSTEMS WITHIN 200' OF THE PROPOSED WELL.
15. OTHER THAN THOSE SHOWN, THERE ARE NO SUBSURFACE DRAINS WITHIN 100' OF THE PROPOSED SAS.
16. OTHER THAN THOSE SHOWN, THERE ARE NO WELLS WITHIN 200' OF THE PROPOSED SEPTIC SYSTEM.

[illegible]



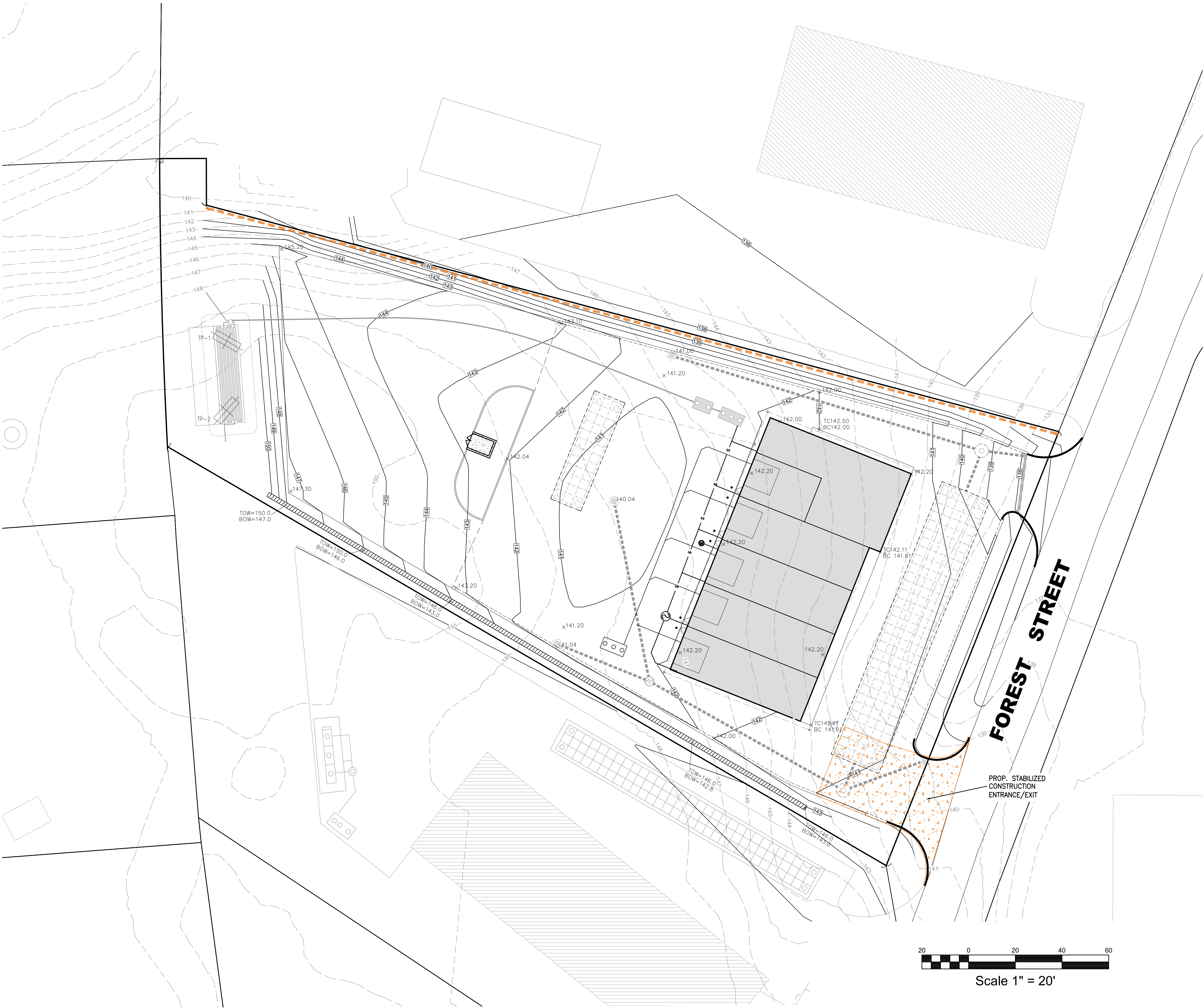
EROSION & SEDIMENT CONTROL NOTES:

THE CONTRACTOR IS RESPONSIBLE TO CONTROL EROSION AND SEDIMENTATION DURING CONSTRUCTION. IT IS INTENDED THAT THE IMPLEMENTATION OF THE FOLLOWING MEASURES WILL MEET THIS GOAL. WHEN IT IS CLEAR TO THE DESIGNER THAT EROSION AND SEDIMENTATION HAVE BEEN ADEQUATELY CONTROLLED WITHOUT THE IMPLEMENTATION OF EVERY MEASURE, ADDITIONAL MEASURES NEED NOT BE IMPLEMENTED. ALTERNATIVELY, IF ALL OF THE FOLLOWING MEASURES HAVE BEEN IMPLEMENTED AND THE CONTROL OF EROSION AND SEDIMENTATION IS INADEQUATE, THE CONTRACTOR MUST EMPLOY SUFFICIENT SUPPLEMENTAL MEASURES BEYOND THE SCOPE OF THIS PLAN.

1. EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE INSTALLED PRIOR TO START OF DEMOLITION OR CONSTRUCTION. STABILIZATION OF ALL RE-GRADED AND SOIL STOCKPILE AREAS WILL BE INITIATED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL MUNICIPAL REGULATIONS, THE USEPA 2022 CONSTRUCTION GENERAL PERMIT, AND MASSACHUSETTS 2003 EROSION & SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS. ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION. A STAKED HAYBALE DAM SHALL BE INSTALLED DOWN GRADIENT OF ALL DRAINAGE OUTFALLS.
3. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER OR AGENTS OF THE OWNER. THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES ADDITIONAL EROSION CONTROL MATERIALS FOR INSTALLATION AT THE DIRECTION OF THE ENGINEER TO MITIGATE ANY EMERGENCY CONDITION.
4. PRIOR TO COMMENCEMENT OF CONSTRUCTION, APPLICABLE CONTRACTOR PERSONNEL MUST HAVE AN UNDERSTANDING OF THE USEPA CONSTRUCTION GENERAL PERMIT REQUIREMENTS, AND THEIR SPECIFIC RESPONSIBILITIES UNDER THE PERMIT. AT A MINIMUM PERSONNEL MUST BE TRAINED AND UNDERSTAND THE FOLLOWING: LOCATION OF ALL STORMWATER CONTROLS AND HOW TO MAINTAIN THEM, PROCEDURES FOR COMPLYING WITH THE POLLUTION PREVENTION REQUIREMENTS. PROCEDURES FOR CONDUCTING INSPECTIONS, RECORDING FINDINGS, AND TAKING CORRECTIVE ACTION.
5. CATCH BASINS (ON-SITE AND OFF-SITE WITHIN 100') WILL BE PROTECTED WITH HAYBALE FILTERS AND SILT BAG INLET PROTECTION THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED. SILT BAGS SHOULD BE INSTALLED UNDER GRATE OPENING UNTIL PAVEMENT IS IN PLACE AND GROUND SURFACE IS STABILIZED.
6. AREAS THAT ARE NOT THE LOCATION OF ACTIVE CONSTRUCTION WHICH ARE TO BE LEFT BARE FOR OVER ONE MONTH BEFORE FINISHED GRADING AND SEEDING IS ACHIEVED, SHALL BE MULCHED OR RECEIVE TEMPORARY STABILIZATION SUCH AS JUTE NETTING OR SHALL RECEIVE A TEMPORARY SEEDING OF PERENNIAL RYEGRASS APPLIED TO A RATE OF 2 LBS./1,000 SQ. FT. LIMESTONE (EQUIVALENT TO BE 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) SHALL BE APPLIED AS SEEDBED PREPARATION AT A RATE OF 90 LBS./1,000 SQ. FT. PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 1. AREAS TO BE LEFT BARE BEFORE FINISH GRADING AND SEEDING OUTSIDE OF PLANTING SEASONS SHALL RECEIVE AN AIR-DRIED WOOD CHIP MULCH, FREE OF COARSE MATTER.
7. STABILIZATION OF SLOPES IN CUT AREAS (USING MULCH OR GRASS) AND THE INSTALLATION OF CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) AT THE TOE OF SLOPE SHALL BE INITIATED WITHIN FOURTEEN (14) DAYS OF COMPLETION.
8. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN. ALL LINEAR EROSION CONTROLS RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS SHALL BE REPAIRED OR REPLACED.
10. THE CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE CONSERVATION COMMISSION OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
11. STOCKPILES OF SOIL SHALL BE SURROUNDED BY A SEDIMENT BARRIER. SOIL STOCKPILES TO BE LEFT BARE FOR MORE THAN FOURTEEN (14) DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH. IF SOIL STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED IN PLACE OF HAYBALES. SIDE SLOPES SHALL NOT EXCEED 2:1.
12. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF THEIR CONTRACT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO SPRINKLING OF WATER ON EXPOSED SOILS AND HAUL ROADS. CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC.
13. ADJACENT ROADS SHALL BE PERIODICALLY SWEEPED OR WASHED TO AVOID TRACKING MUD, DUST OR DEBRIS FROM THE CONSTRUCTION AREA. ALL SEDIMENT TRACKED ONTO ROADWAYS MUST BE REMOVED AT END OF EACH WORK DAY.
13. IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN FOURTEEN (14) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS.
14. WHERE DE-WATERING IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BOWL, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, OR FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. IF A PUMPING OPERATION IS CAUSING TURBIDITY PROBLEMS, SAID OPERATION SHALL CEASE UNTIL SUCH TIME AS FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED. SAID DISCHARGE POINTS SHALL BE LOCATED OVER 100 FEET FROM THE DELINEATED WETLANDS AS INDICATED ON THIS PLAN.
15. ALL EROSION CONTROL MEASURES SHALL BE ROUTINELY INSPECTED BY THE CONTRACTOR, CLEANED AND REPAIRED OR REPLACED AS NECESSARY THROUGHOUT ALL PHASES OF CONSTRUCTION. IN ADDITION, INSPECTIONS SHALL TAKE PLACE WEEKLY AND BEFORE AND AFTER EACH 1/4" RAINFALL EVENT. CONTRACTOR TO MAINTAIN ALL WEEKLY REPORTS IN CONJUNCTION WITH THE EROSION CONTROL / NPDES CONSTRUCTION GENERAL PERMIT REQUIREMENTS. COPIES OF ALL SWPPP INSPECTION REPORTS SHALL BE PROVIDED TO THE TOWN, EPA, DEP, OR ANY OTHER AUTHORITY REQUESTING WITHIN 3 DAYS OF EACH INSPECTION.

LEGEND

- PROPOSED LINEAR EROSION CONTROL LINE
- PROPOSED CATCH BASIN INLET PROTECTION



DATE: JUNE 9, 2022		PROJECT NO. 00488-01-01	SCALE: AS SHOWN	DESIGNED BY: HRR	CHECKED BY: RSR	APPROVED BY: RSR	BY: APP
JUNE 9, 2022		00488-01-01	AS SHOWN	HRR	RSR	RSR	APP
COMMERCIAL DEVELOPMENT 0 FOREST STREET MAP 49, BLOCK 62, LOT 7-R CARVER, MA		EROSION CONTROL / DEMOLITION PLAN		PRIORITY CONCRETE FORMS, INC. 233 PEMBROKE STREET KINGSTON, MA 02364			
EC1.1				06/09/2022			





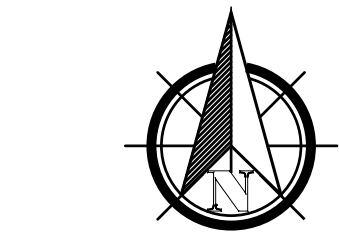
MAP 49, BLOCK 62,  
LOT 7-R  
AREA= 56,378±SF

TOWN OF CARVER PLANNING BOARD:

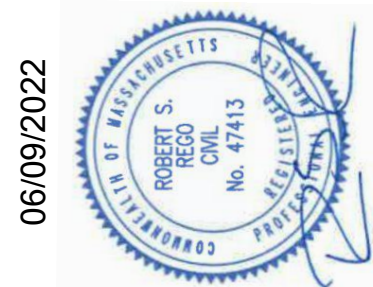
SITE PLAN APPROVAL

DATE APPROVED:

DATE ENDORSED:



PRILO CONCRETE FORMS, INC.  
233 PEMBROKE STREET  
KINGSTON, MA 02364



06/09/2022



ENVIRONMENTAL

CIVIL ENGINEERING & ENVIRONMENTAL CONSULTING

2183 OCEAN STREET, MARSHFIELD, MA 02050

781-336-4639 • [www.riverhawkllc.com](http://www.riverhawkllc.com)

DESIGNED BY:

CHECKED BY:

APPROVED BY:

HRR

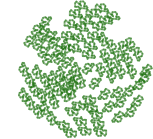


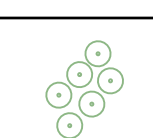
RSR

RSR

RSR

RSR

RSR

PLANT KEY				
SYMBOL	ID	BOTANICAL NAME	COMMON NAME	SIZE
	ZS	ZELKOVA SERRATA	JAPANESE ZELKOVs	2" to 2.5" CAL 12' to 16' TALL
	IG	x CUPRESSOCYPARIS LEYLANDII	LELAND CYPRESS	4' - 5'
	VA	VARIOUS SHRUBS	AZALEAS HOSTA WINTER BERRY HYDRANGEA RHODODENDRON	2 GALLON
		VARIOUS PERENNIAL FLOWERS	DAY LILY NEW ENGLAND ASTER BLAZING STAR CARDINAL FLOWER	

\* HEIGHT BASED ON AVERAGE HEIGHT RANGE PRESENTED IN AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004)

COMMERCIAL DEVELOPMENT

0 FOREST STREET

MAP 49, BLOCK 62, LOT 7-R

CARVER, MA

LANDSCAPING & TRAFFIC PLAN

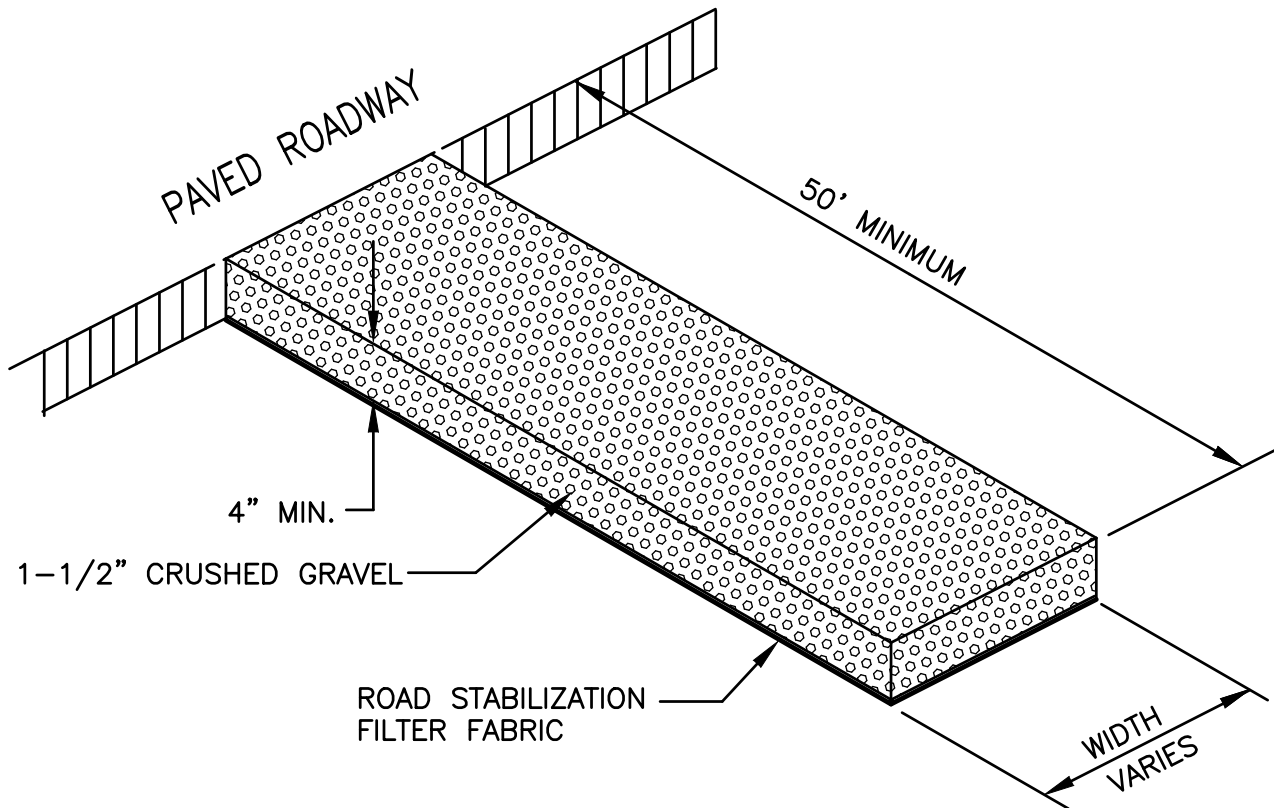
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PROJECT NO. 00488-01-01

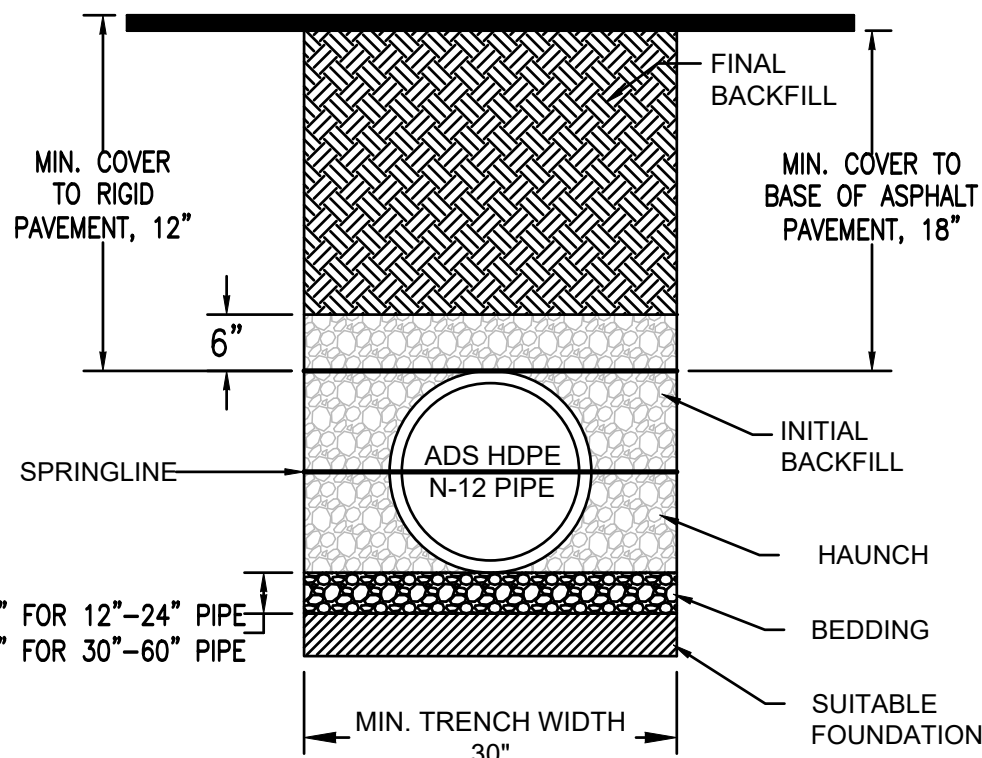
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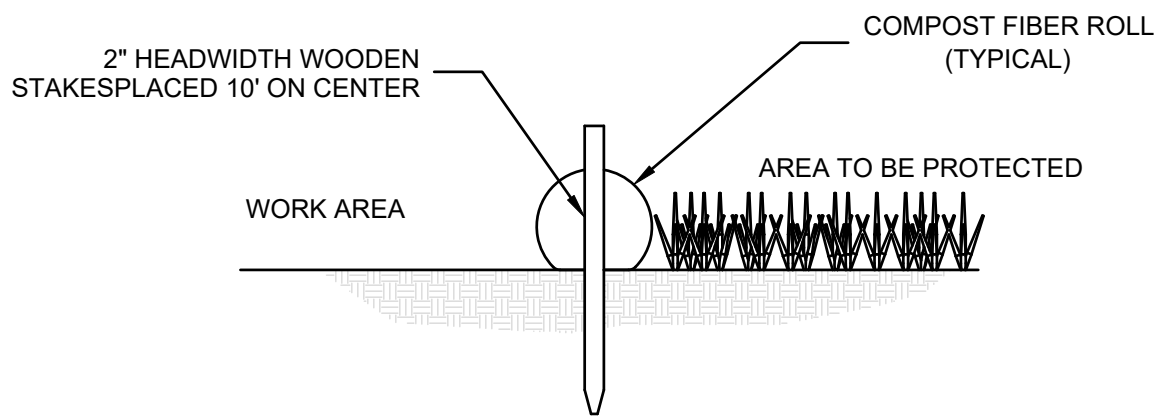




ANTI-TRACKING PAD  
NOT TO SCALE



DRAIN PIPE TRENCH DETAIL  
NOT TO SCALE



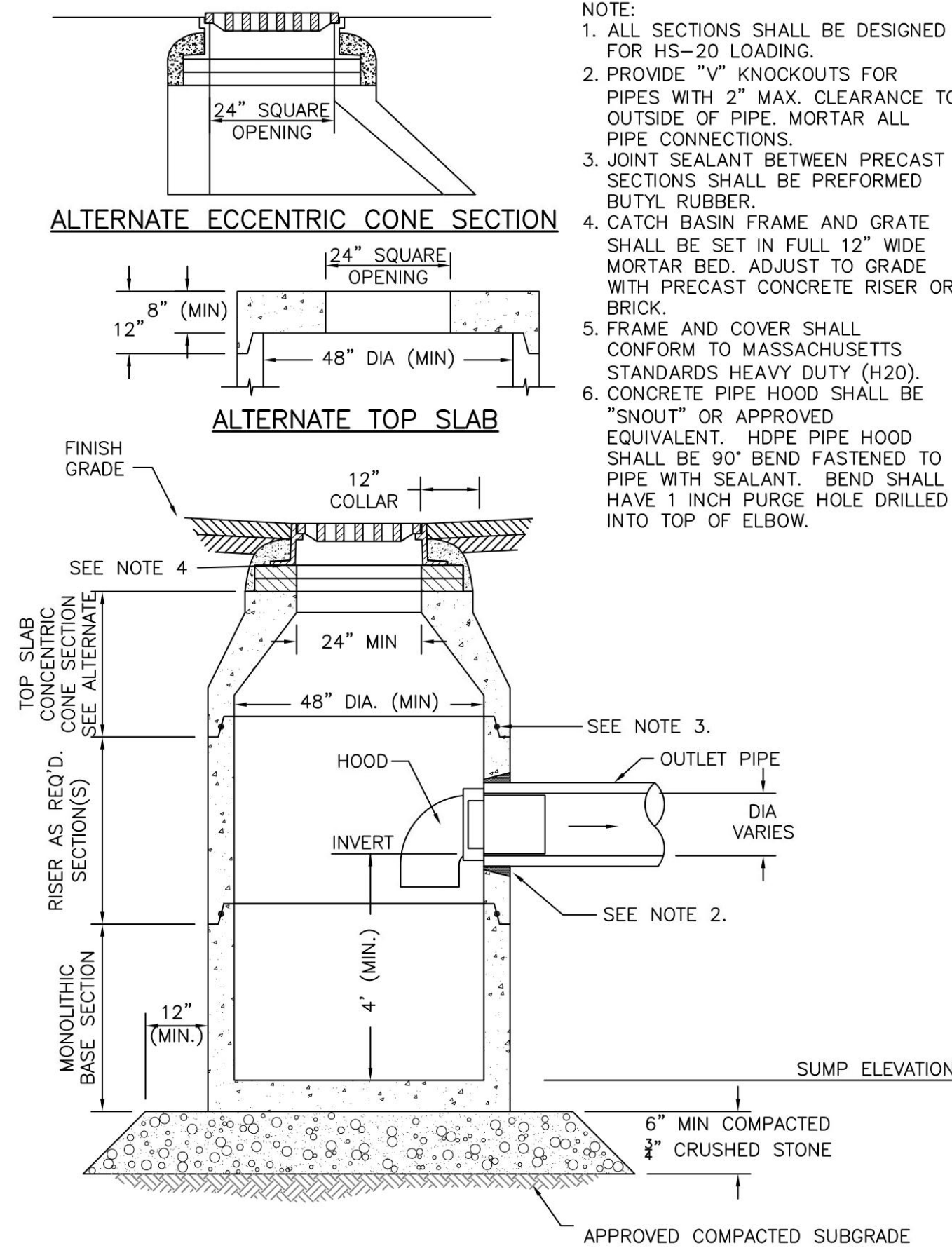
SECTION VIEW  
COMPOST FIBER ROLL DETAIL  
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TOWN OF CARVER PLANNING BOARD:

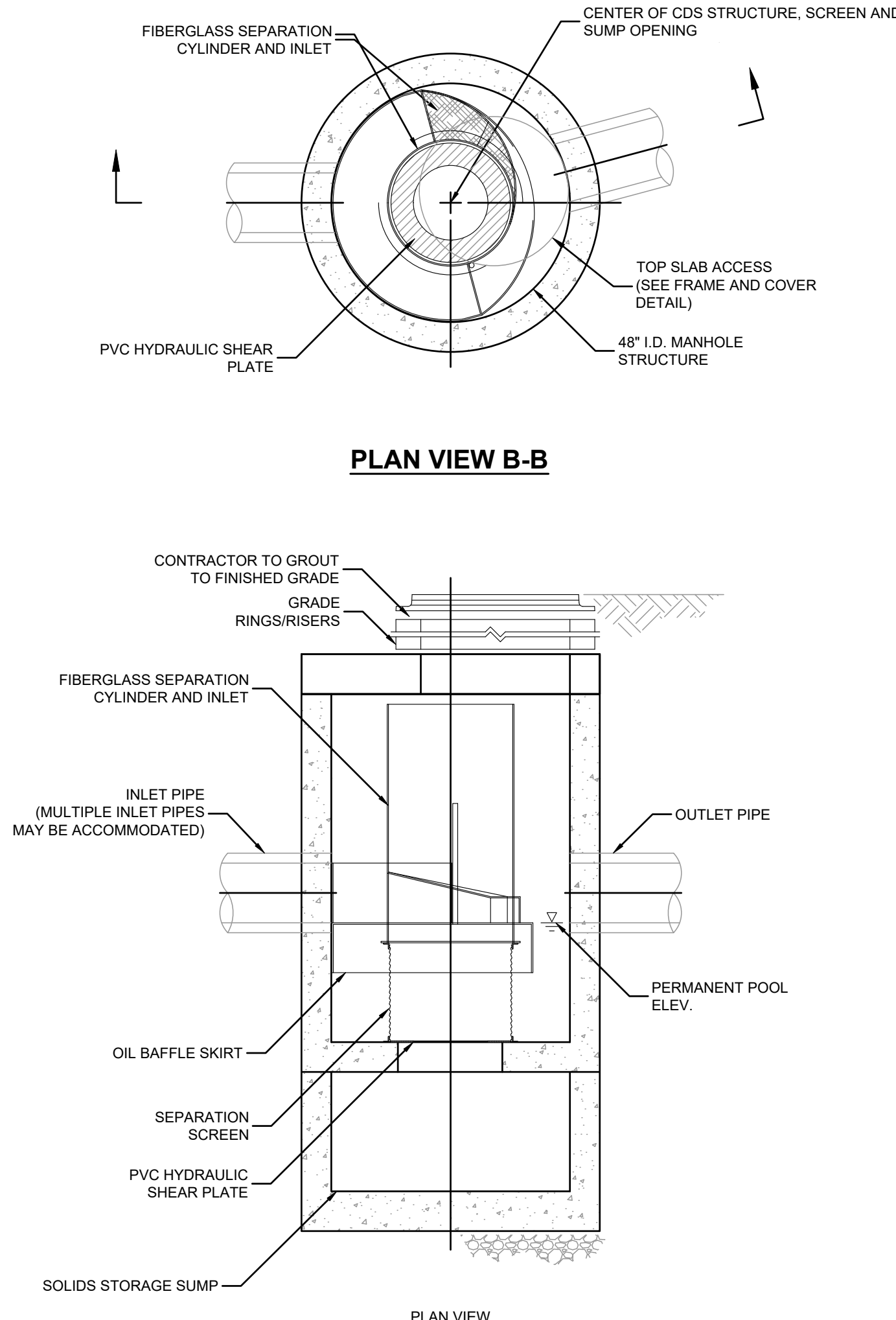
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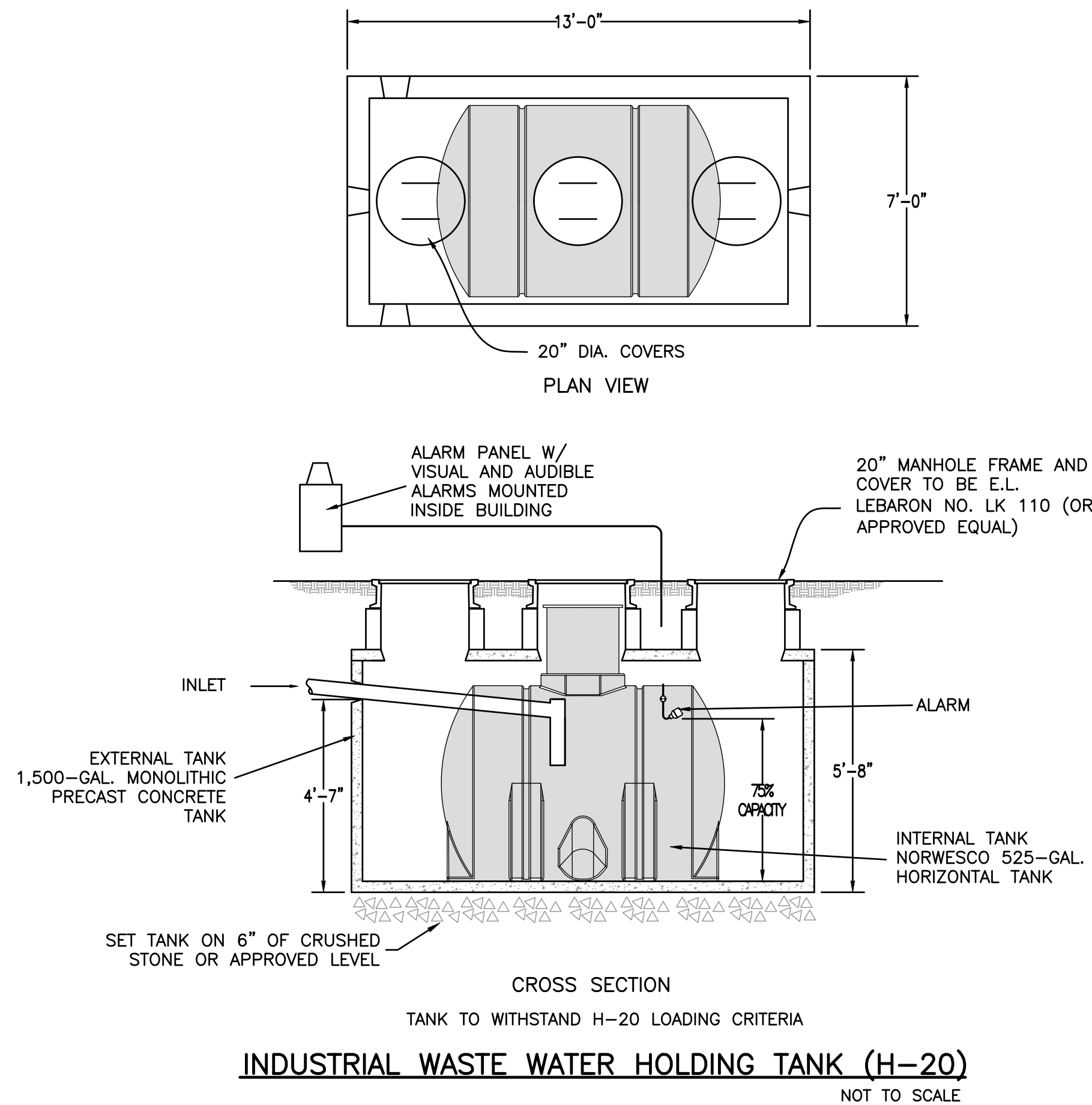
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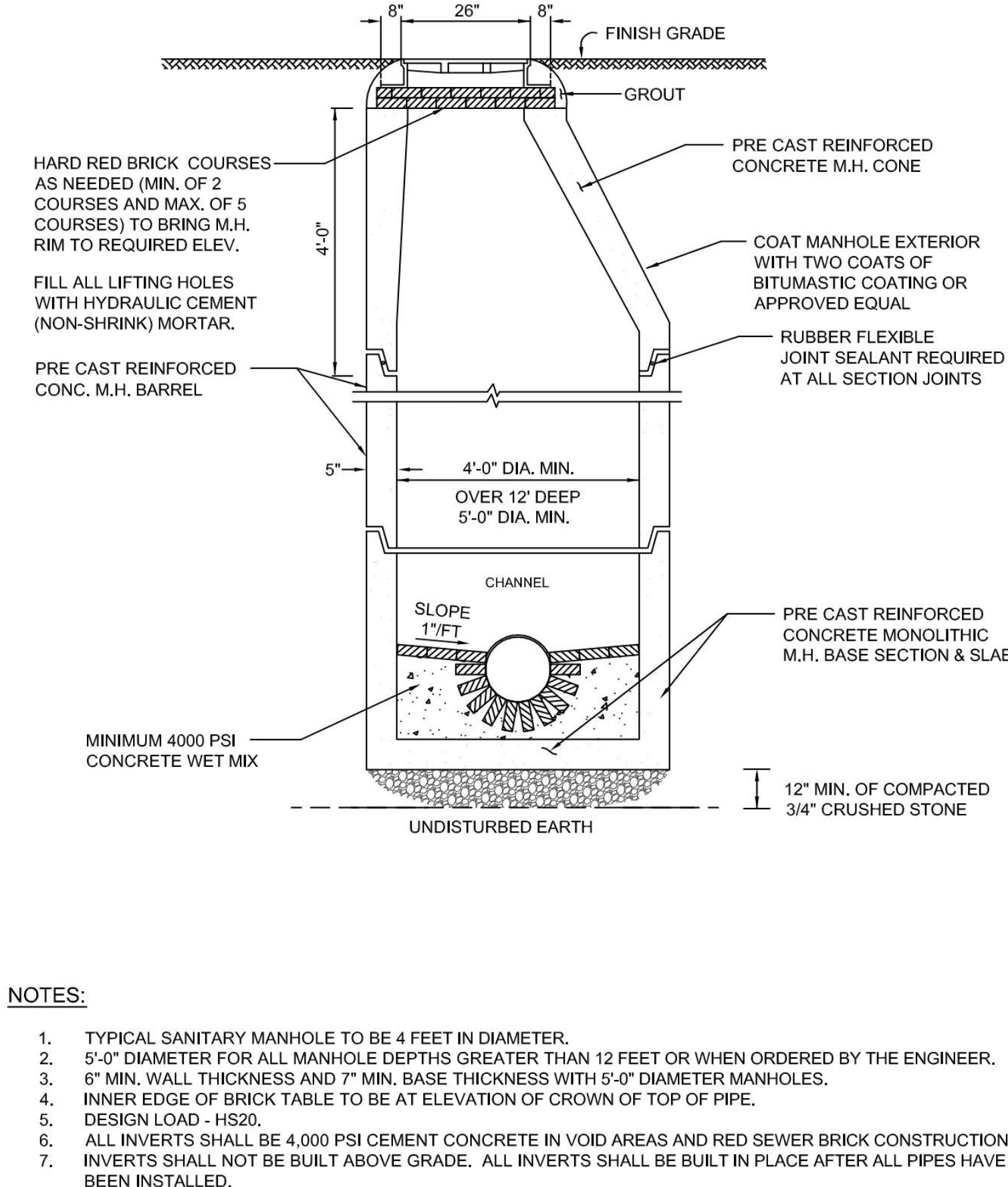
SINGLE GRATE CATCH BASIN  
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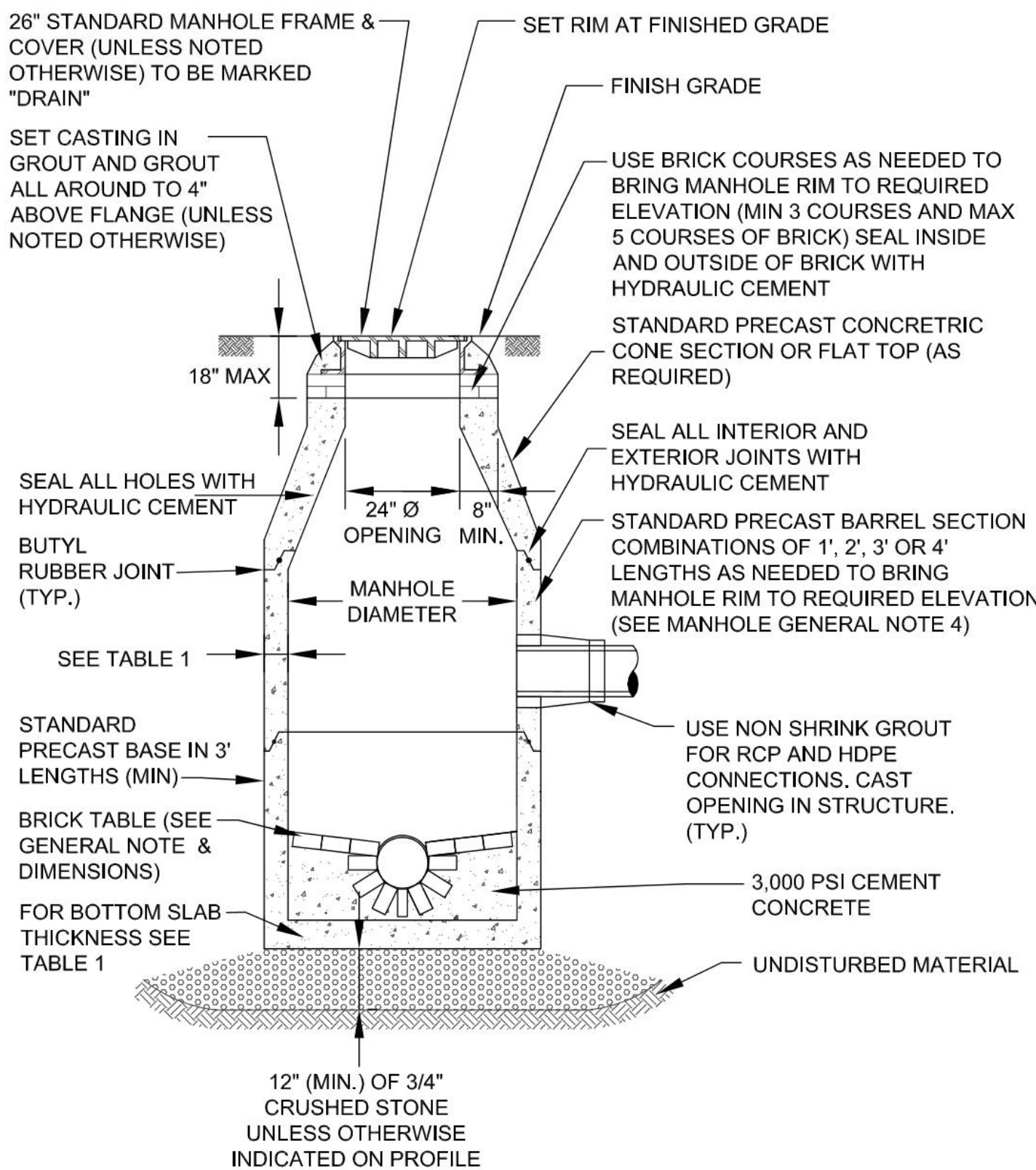
CDS 2015\_4 STORMWATER TREATMENT UNIT  
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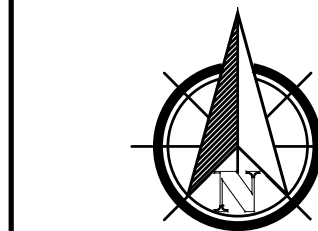
INDUSTRIAL WASTE WATER HOLDING TANK (H-20)  
NOT TO SCALE



TYP. SEWER MANHOLE  
NOT TO SCALE



TYP. DRAINAGE MANHOLE  
NOT TO SCALE



PRIOLO CONCRETE FORMS, INC  
233 PEMBROKE STREET  
KINGSTON, MA 02364



RiverHawk  
ENVIRONMENTAL  
CIVIL ENGINEERING & ENVIRONMENTAL ASSESSMENT  
2183 OCEAN STREET, MARSHFIELD, MA 02050  
781-336-4639 www.riverhawkllc.com

COMMERCIAL DEVELOPMENT  
0 FOREST STREET  
MAP 49, BLOCK 62, LOT 7-R,  
CARVER, MA

DETAILS - 1

D1.1

DATE	PROJECT NO.	SCALE	AS SHOWN	DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:	RSR	BY	DESCRIPTION	DATE	REV
JUNE 8, 2022	00488-01-01			HRR	RSR	WPK						



WATER MAIN TRENCH DETAIL  
NOT TO SCALE

NOTE:  
ALL PAVEMENT MARKING WILL BE WHITE  
REFLECTORIZED TRAFFIC PAINT. WIDTH AS NOTED.

CONCRETE WALK  
NOT TO SCALE

CONCRETE WALK  
(WITH THICKENED EDGE AT PAVEMENT)  
NOT TO SCALE

## BITUMINOUS CONCRETE PAVEMENT

TOWN OF CARVER PLANNING BOARD:

*SITE PLAN APPROVAL*

DATE APPROVED:

DATE ENDORSED:

[illegible]

PRIOLO CONCRETE FORMS, INC  
233 PEMBROKE STREET  
KINGSTON, MA 02364



06/09/2022

## PLAN VIEWS

NOTES:

1. SPECIFIC THRUST BLOCK DESIGN SHALL CONFORM TO AWWA GUIDELINES.
2. PLACE 4 mil. POLYETHYLENE BETWEEN CONCRETE AND FITTING (CONCRETE SHALL NOT INTERFERE WITH JOINT).
3. MINIMUM CONCRETE THICKNESS SHALL BE 12 INCHES.
4. THRUST BLOCK ORIENTATION SHALL BE SUCH THAT THE CENTER OF THE FITTING CORRESPONDS WITH THE CENTER OF THE THRUST BLOCK.
5. THE MINIMUM ALLOWABLE ANGLE (EITHER VERTICAL OR HORIZONTAL) SHALL BE 45 DEGREES.

NOT TO SCALE

TYP. THRUST BLOCK DETAIL  
NOT TO SCALE

### HANDICAP SIGN DETAIL

NOT TO SCALE

TYPICAL ROOF DOWNSPOUT  
NOT TO SCALE

CAPE COD BERM  
NOT TO SCALE

SLOPE GRANITE CURB  
NOT TO SCALE

- NOTE: 1. GRAVITY SEWER AND FORCE MAIN SHALL BE INSULATED WHEN VERTICAL OR HORIZONTAL SOIL COVER IS LESS THAN 4 FEET AND WHERE SHOWN ON PLANS. IN CERTAIN INSTANCES, DI PIPE MAY BE REQUIRED.
2. BACKFILL PLACED IN UTILITY TRENCHES INCLUDING DISTURBED AREAS SURROUNDING UTILITY SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.
3. TRACER TAPE FOR NON-FERROUS PIPE SHALL BE CONSTRUCTED OF A METALLIC CORE BONDED TO PLASTIC LAYERS. THE METALLIC TRACER TAPE SHALL BE A MINIMUM .5MM THICK AND MUST BE CAPABLE OF AT A DEPTH OF 0 TO 18 INCHES. USE OF AN ORDINARY PIPE LOCATOR.
4. PEA GRAVEL SHALL CONSIST OF CLEAN, HARD, ROUND PARTICLES OF GRAVEL MEETING THE FOLLOWING:
- | SIZE    | PERCENT PASSING |
|---------|-----------------|
| 3/8"    | 85-95           |
| No. 4   | 75-90           |
| No. 10  | 55-75           |
| No. 20  | 35-55           |
| No. 40  | 20-35           |
| No. 60  | 10-20           |
| No. 100 | 5-10            |
5. CONTRACTOR SHALL ACHIEVE 95% COMPACTION FOR THE BEDDING. TRENCH BACKFILL UNDER 18" ROADWAYS SHALL BE COMPACTED TO 95%.
6. ZONE AROUND PIPE: BACKFILL WITH PROCESSED SAND, FINE GRAVEL, OR OTHER MATERIAL APPROVED BY THE WASTEWATER DEPARTMENT.
7. FOR PVC PIPE 8" CRUSHED STONE 6" AROUND ENTIRE PIPE.
8. FOR CONCRETE PIPE 3" STONE 6" UNDER PIPE AND HALFWAY UP PIPE.

TYP. SEWER TRENCH  
NOT TO SCALE

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MAP 49, BLOCK 62, LOT 7-R,  
CARVER, MA

## DETAILS - 2

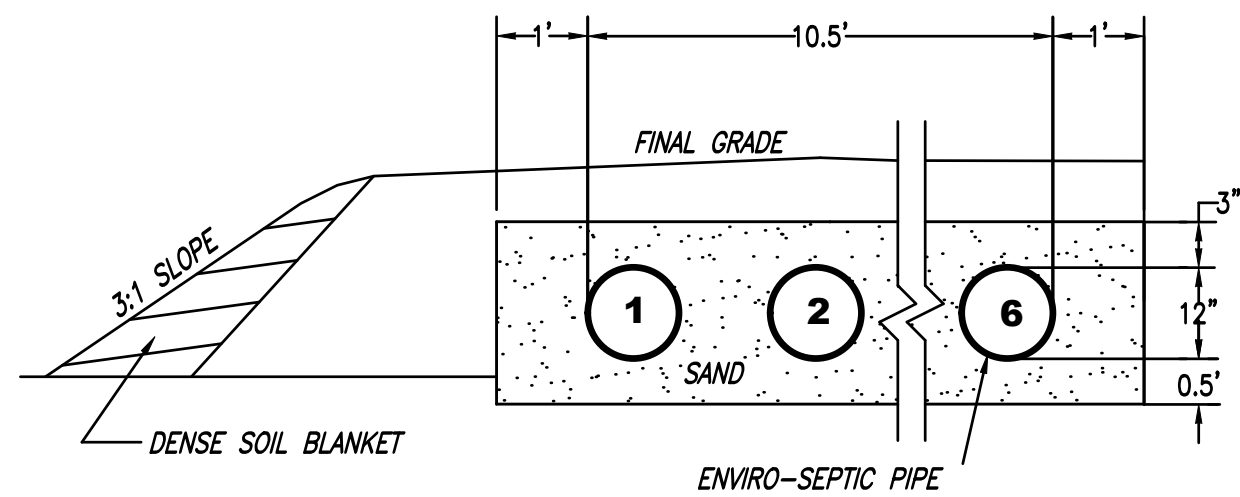
## D1.2

DATE:	PROJECT NO.	SCALE:	DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
JUNE 8, 2022	0048B-01-01	AS SHOWN	HRR	RSR	WPK	RSR



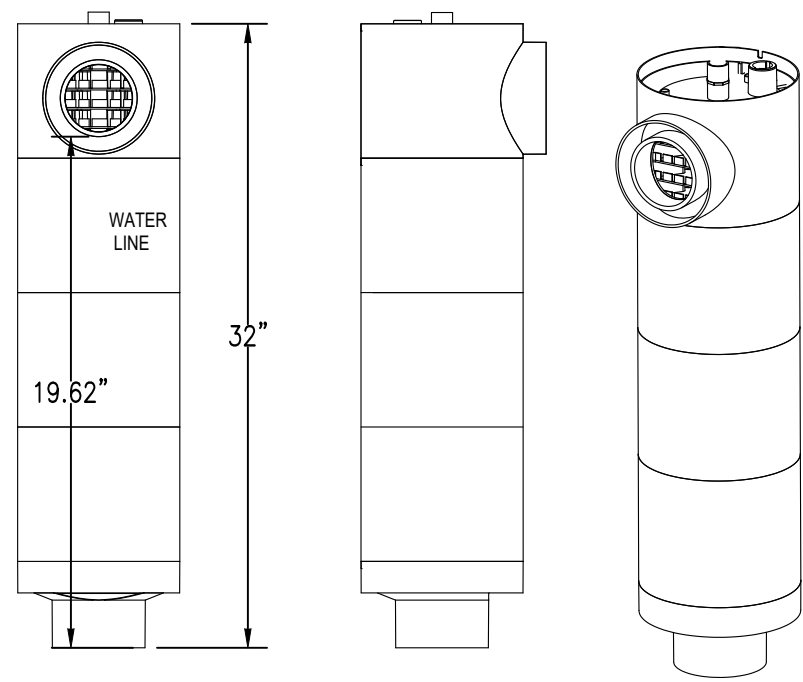






NOTES:  
NUMBER OF ENVIRO-SEPTIC LINES: 6  
CENTER TO CENTER SPACING: 1.5'

CROSS-SECTION OF SAS  
NOT TO SCALE



ZABEL A100 OUTLET FILTER  
NOT TO SCALE

TOWN OF CARVER PLANNING BOARD:

SITE PLAN APPROVAL

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DATE APPROVED:

DATE ENDORSED:



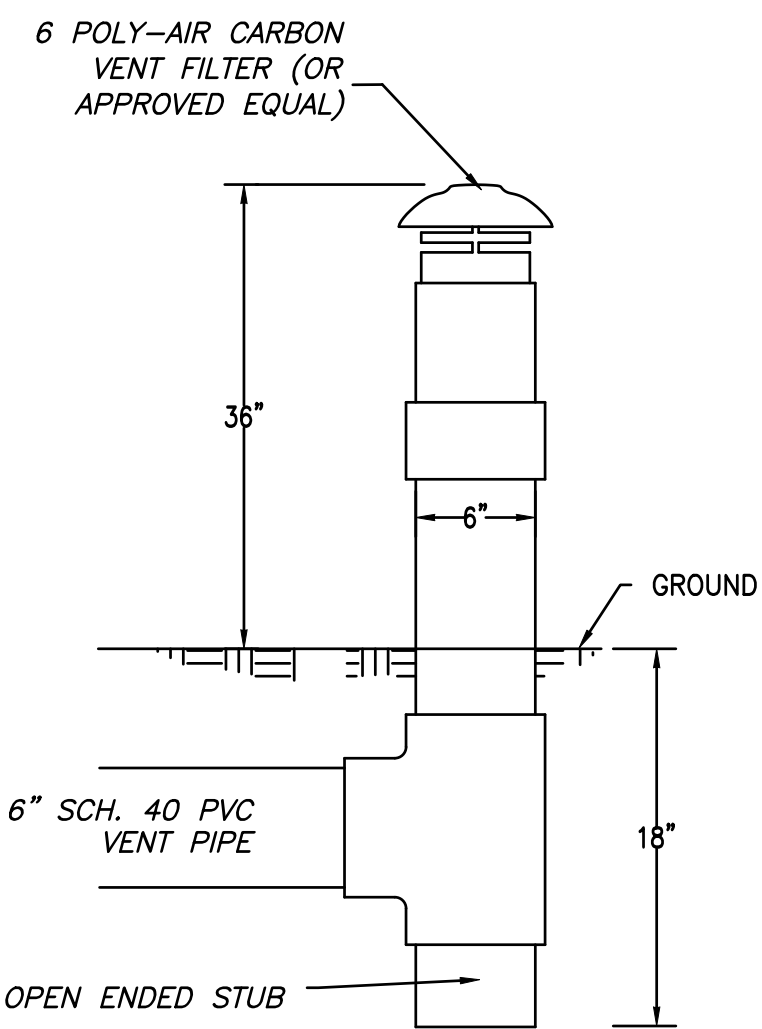
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06/09/2022

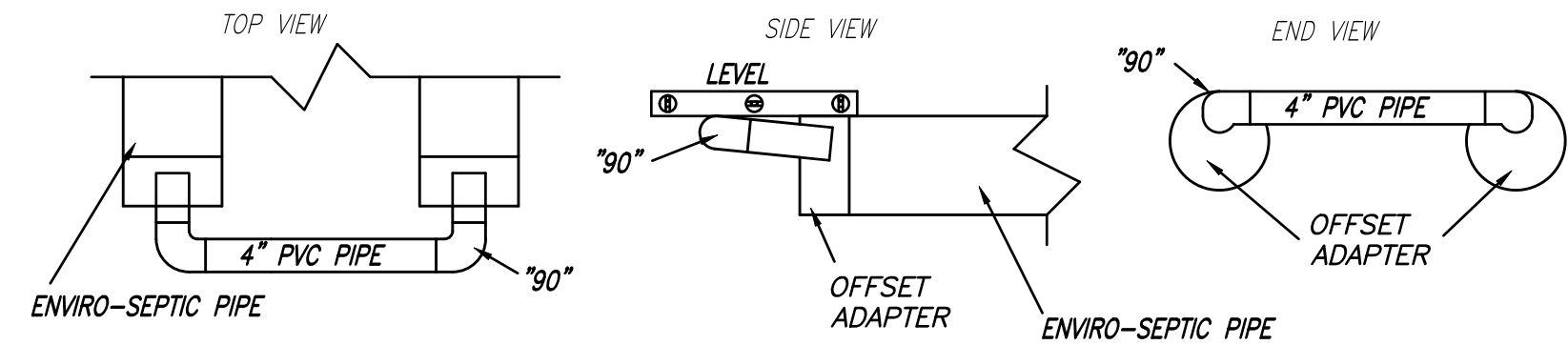


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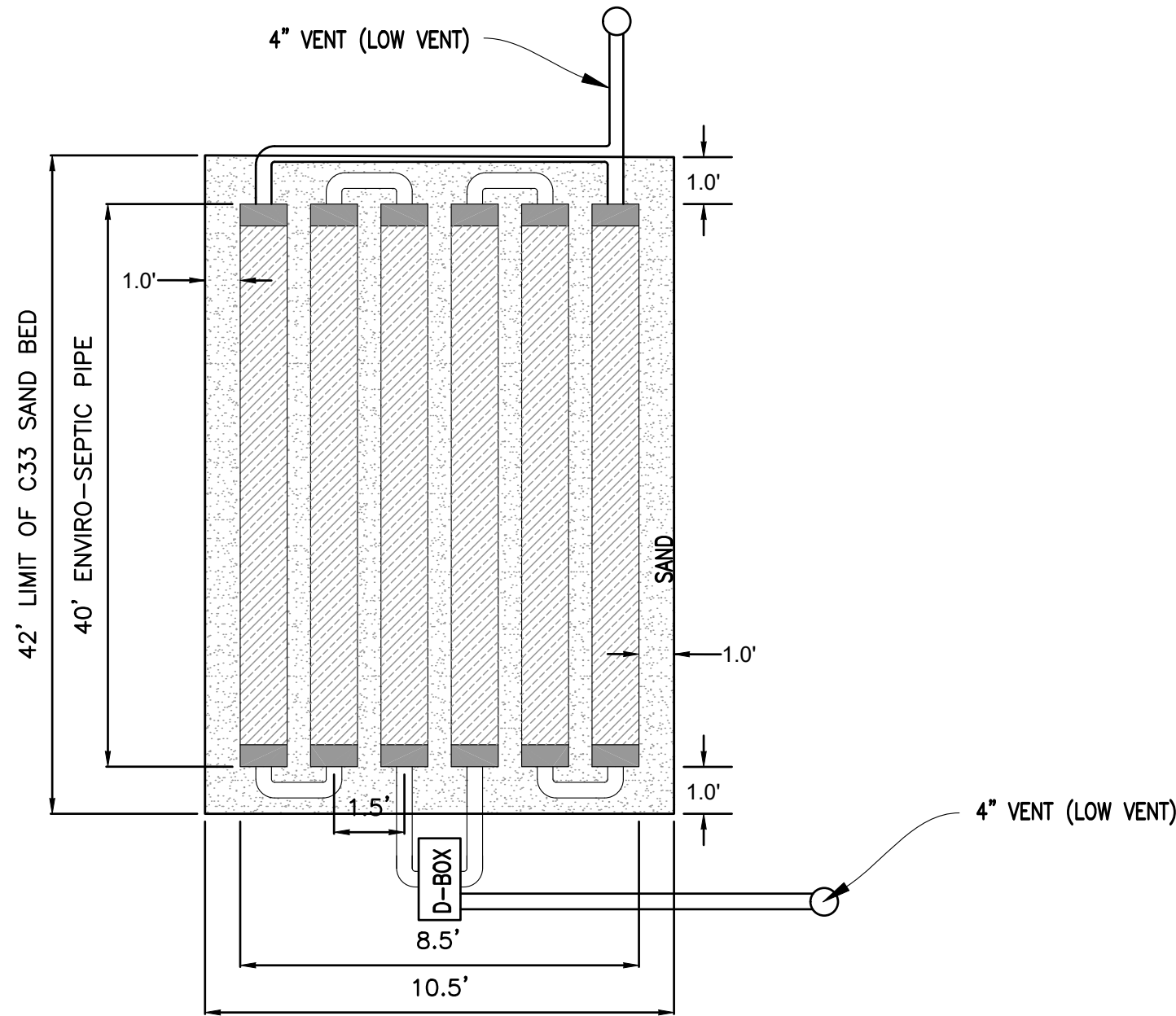
DRAWN BY: HRR  
DESIGNED BY: RSR  
CHECKED BY: WPK  
APPROVED BY: RSR



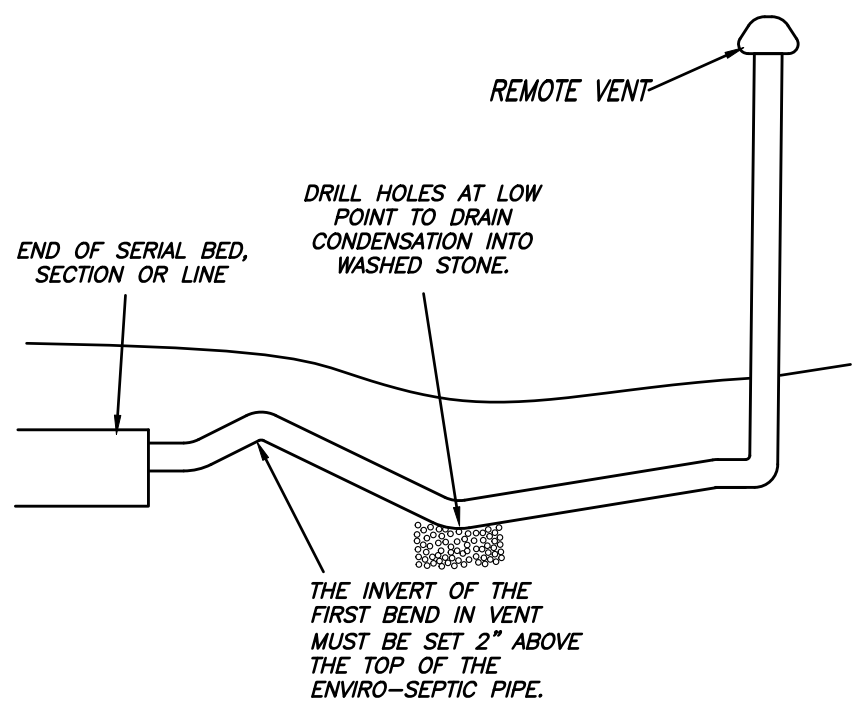
LOW VENT DETAIL  
NOT TO SCALE



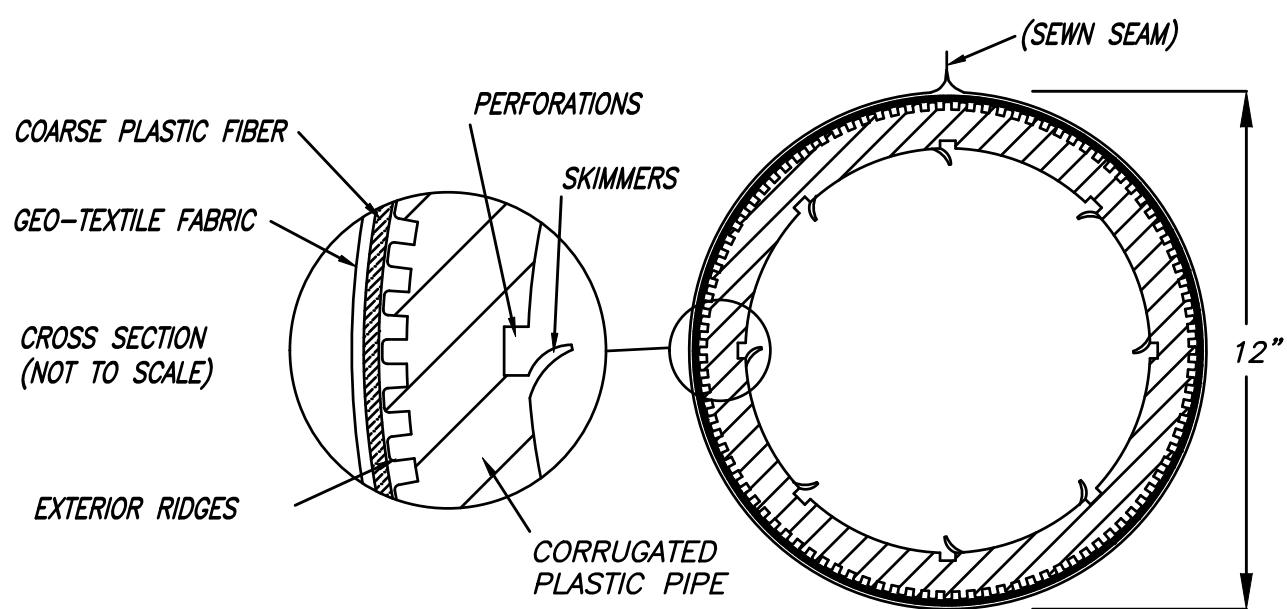
RAISED CONNECTION  
NOT TO SCALE



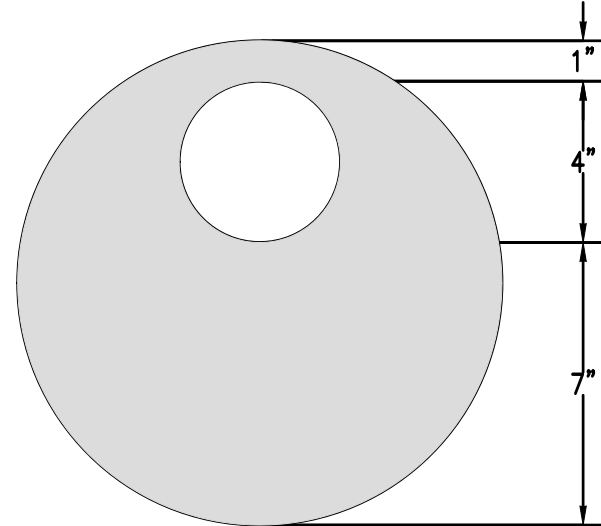
PRESBY LEACHING BED  
NOT TO SCALE



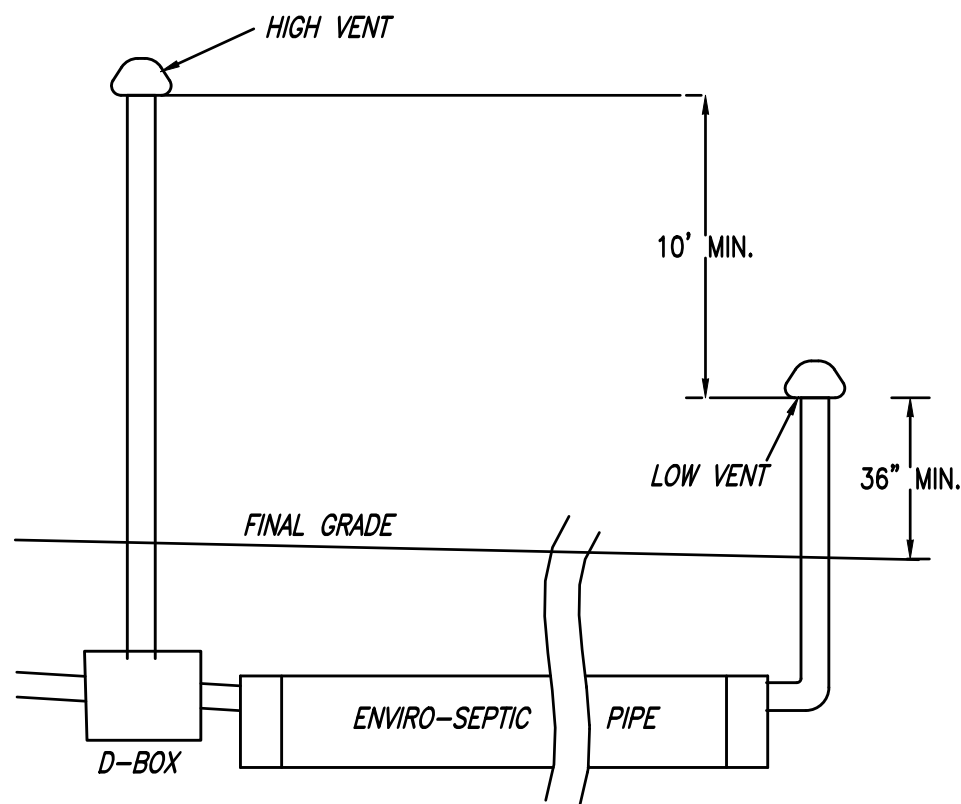
REMOTE LOW VENT DETAIL  
NOT TO SCALE



ENVIRO-SEPTIC LEACHING SYSTEM  
NOT TO SCALE



OFFSET ADAPTER  
NOT TO SCALE



DIFFERENTIAL VENTING DETAIL  
NOT TO SCALE

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SEPTIC SYSTEM DETAILS - 2

DATE: JUNE 8, 2022  
PROJECT NO. 00488-01-01  
SCALE: AS SHOWN

SSD1.2