

SITE PLAN
288 PLEASANT STREET
STOUGHTON, MASSACHUSETTS

SITE NOTES:

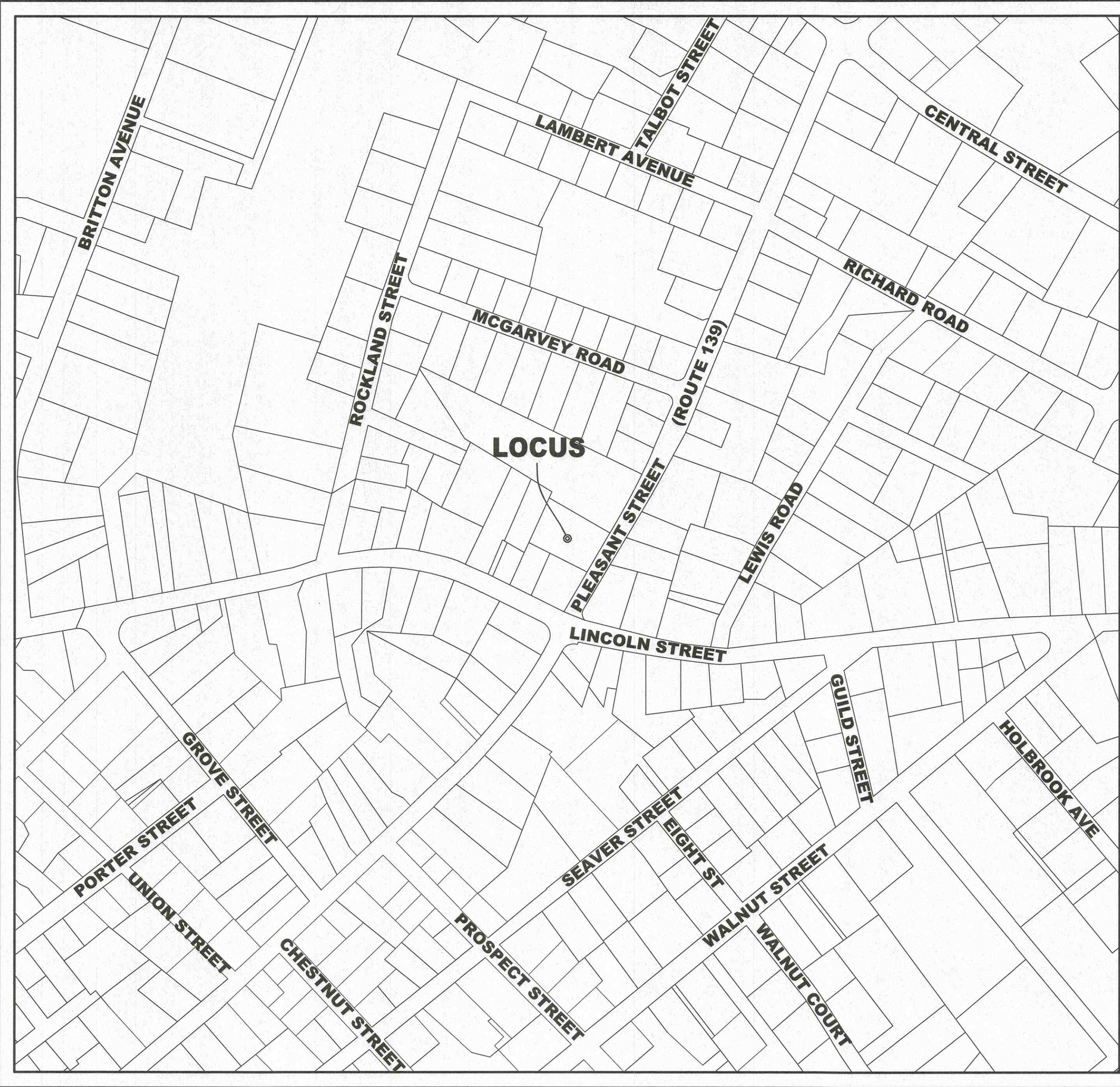
- THE SITE IS LISTED ON THE TOWN OF STOUGHTON ASSESSORS PROPERTY RECORD CARDS AS PARCEL ID 067-099-0.
- PROPERTY LINE AND EXISTING CONDITIONS INFORMATION WAS TAKEN FROM A FIELD SURVEY BY BORDERLAND ENGINEERING, INC.
1. VERTICAL DATUM: NAVD 88
NORFOLK COUNTY REGISTRY OF DEEDS:
DEED REFERENCE: BOOK 40853 PAGE 75
PLAN REFERENCE: BOOK 709 PAGE 31
- THE SUBJECT PROPERTY IS LOCATED IN ZONE X, AS SHOWN ON THE FLOOD INSURANCE RATE MAP (F.I.R.M.) NUMBER 25021C0213E, MAP REVISED 7-17-2012.
- 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.
- THE PROJECT IS NOT LOCATED WITHIN AN AREA OF CRITICAL ENVIRONMENTAL CONCERN (ACEC).
- THE SITE IS NOT LOCATED IN A ZONE II TO A PUBLIC WATER SUPPLY WELL.
- THE SITE IS NOT IN A ZONE A TO A SURFACE WATER SUPPLY AREA.
- THE SITE IS NOT LOCATED IN AN OUTSTANDING RESOURCE WATER AREA (ORW).
- THERE ARE NO KNOWN WETLANDS WITHIN 100' OF THE SUBJECT PROPERTY AND NO KNOWN RIVERS, BROOKS OR STREAMS WITHIN 200' OF THE SUBJECT PROPERTY. WETLAND LINE SHOWN WAS SCALED FROM PLAN ENTITLED "PLAN OF LAND 288 & 294 PLEASANT STREET STOUGHTON, MA" BY KLIM LAND SURVEYING DATED 10/11/2021 RECORDED IN THE NORFOLK COUNTY REGISTRY OF DEEDS AS PLAN BOOK 709 PAGE 31.

CONSTRUCTION NOTES:

- CONTRACTOR TO VERIFY BENCHMARKS FOR CONSISTENCY PRIOR TO CONSTRUCTION AND SHALL NOTIFY ZENITH CONSULTING ENGINEERS, LLC. OF ANY DISCREPANCIES.
- CONTRACTOR SHALL VERIFY WATER TABLE ELEVATIONS AND NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES FROM THE PLAN. 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 SERVICED BY MUNICIPAL WATER AND MUNICIPAL SEWER.
- 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 STOUGHTON RULES AND REGULATIONS AND THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND BRIDGES, MOST CURRENT VERSION OF PLAN SET.

ZONING SUMMARY AND COMPLIANCE TABLE (ZONE RESIDENTIAL U - RU)		
CRITERIA	REQUIRED	EXISTING
LOT AREA	35,000 S.F.	21,613± S.F.
FRONTAGE	120'	116.33'
FRONT BUILDING SETBACK	25'	2.6'
SIDE BUILDING SETBACK	15'	17.6'
REAR BUILDING SETBACK	40'	72.6'
BUILDING HEIGHT	35'	<35'
MAXIMUM BUILDING AREA	30%	18.2% (3,924± S.F.)
OPEN SPACE	50%	43.6% (9,425± S.F.)

SCHEDULE OF DRAWINGS	
SHEET ID	PLAN TITLE
C	COVER SHEET
X	EXISTING CONDITIONS PLAN
G	GRADING AND DRAINAGE PLAN
E	EROSION CONTROL PLAN
D	SITE DETAILS
PB	PLANNING BOARD DECISION



LOCUS PLAN
SCALE: 1"=200'

OWNER/APPLICANT
288 PLEASANT ST LLC
P.O. BOX 1641
SAGAMORE BEACH, MA 02562-1641

LEGEND		
EXISTING	DESCRIPTION	PROPOSED
---99---/---100---	BUILDING	---100---
100X0	CONTOUR	100X0
100X0	SPOT GRADE	100X0
100X0	DRAINAGE BOUNDARY	100X0
100X0	SILT FENCE/SILT SOCK	100X0
100X0	SIGN	100X0
100X0	MAILBOX	100X0
100X0	TEST PIT	100X0
100X0	UNKNOWN MANHOLE	100X0
100X0	DRAINAGE PIPE	100X0
100X0	ROOF DRAIN PIPE	100X0
100X0	CATCH BASIN	100X0
100X0	DRAIN MANHOLE	100X0
100X0	GAS MAIN	100X0
100X0	GAS SERVICE	100X0
100X0	GAS MANHOLE	100X0
100X0	GAS GATE/VALVE	100X0
100X0	GAS METER	100X0
100X0	CABLE	100X0
100X0	ELEC/TELE/CABLE	100X0
100X0	OVERHEAD WIRES	100X0
100X0	UNDERGROUND ELECTRIC	100X0
100X0	UNDERGROUND TELEPHONE	100X0
100X0	ELECTRIC METER	100X0
100X0	TRANSFORMER	100X0
100X0	UTILITY POLE	100X0
100X0	GUY POLE	100X0
100X0	GUY WIRE	100X0
100X0	LIGHT POLE	100X0
100X0	GRAVITY SEWER MAIN	100X0
100X0	FORCE SEWER MAIN	100X0
100X0	SEWER SERVICE	100X0
100X0	SEWER MANHOLE	100X0
100X0	WATER MAIN	100X0
100X0	WATER SERVICE	100X0
100X0	HYDRANT	100X0
100X0	WATER GATE/VALVE	100X0
100X0	WATER SHUTOFF	100X0
100X0	WELL	100X0
100X0	TREELINE	100X0
100X0	STONEWALL	100X0
100X0	WETLAND LINE	100X0
100X0	100' BUFFER	100X0
100X0	BENCHMARK	100X0
100X0	CONTROL POINT	100X0
100X0	MAG NAIL	100X0
100X0	DRILLHOLE	100X0
100X0	CONCRETE BOUND	100X0
100X0	STONE BOUND	100X0
100X0	IRON PIPE	100X0
100X0	REBAR	100X0

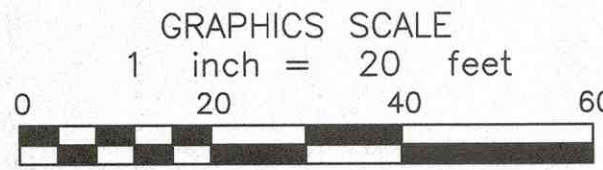
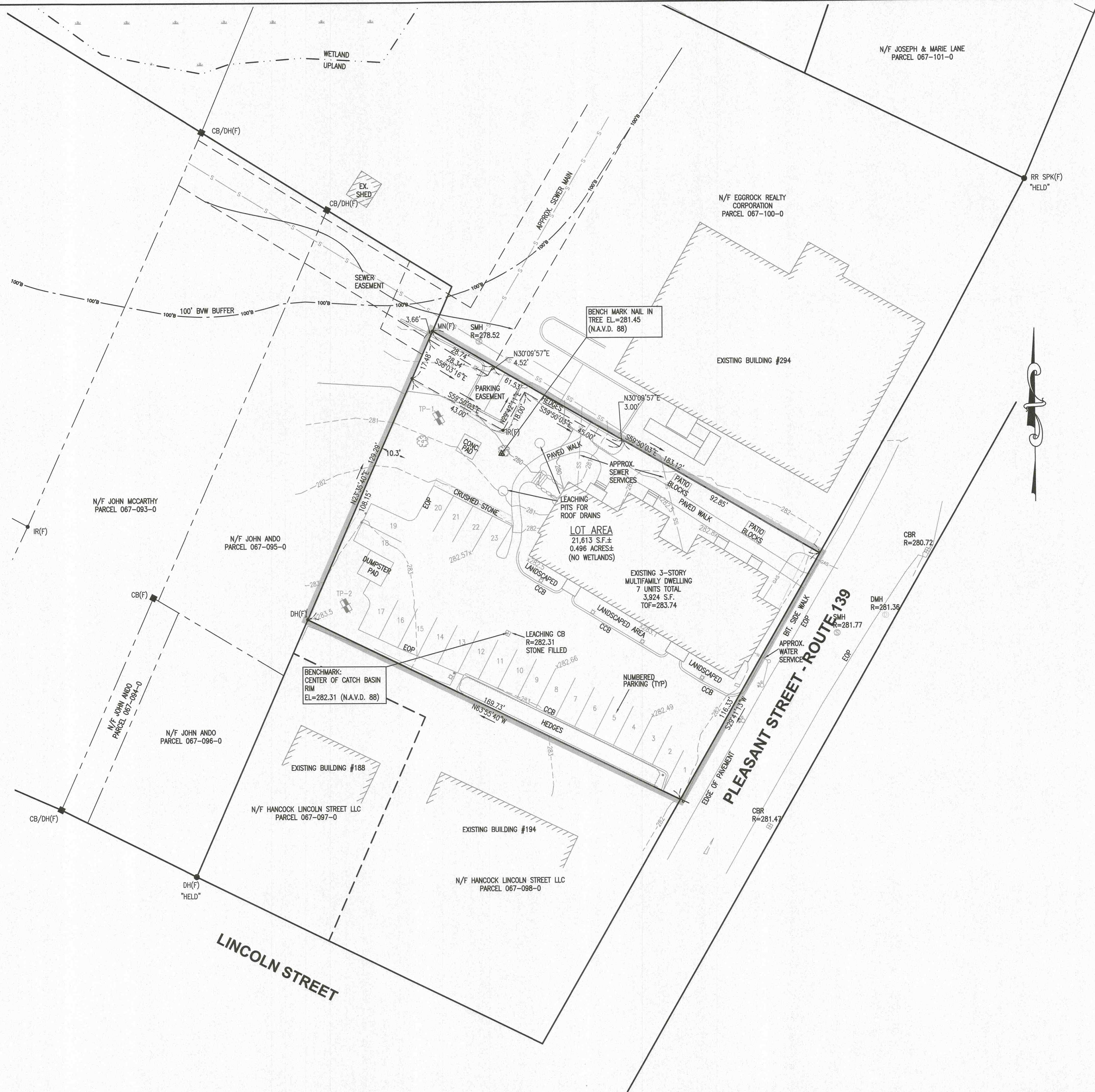


P.E. STAMP

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



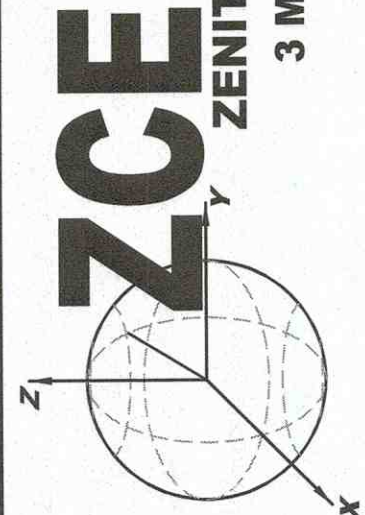
SHEET NAME:	COVER SHEET												
	PROJECT SITE:	288 PLEASANT STREET STOUGHTON, MASSACHUSETTS											
		CLIENT INFO:	288 PLEASANT ST LLC P.O. BOX 1641 SAGAMORE BEACH, MA 02562 1641										
DRAWN BY:	WBC	DATE:	10-29-24	REV.	1	DATE	12-17-24	DESCRIPTION	GENERAL COMMENTS	BY	APP.		
DESIGNED BY:	PROJECT NUMBER	2	2-6-25	ADDED PLANNING BOARD DECISION	NCZ	RF							
CHECKED BY:	DRAWING SCALE	AS NOTED											
APPROVED BY:	SHEET ID	C											



SHEET NAME:	EXISTING CONDITIONS PLAN			
	PROJECT SITE:	288 PLEASANT STREET STOUGHTON, MASSACHUSETTS		
	CLIENT INFO:	288 PLEASANT ST LLC P.O. BOX 1641 SAGAMORE BEACH, MA 02562-1641		

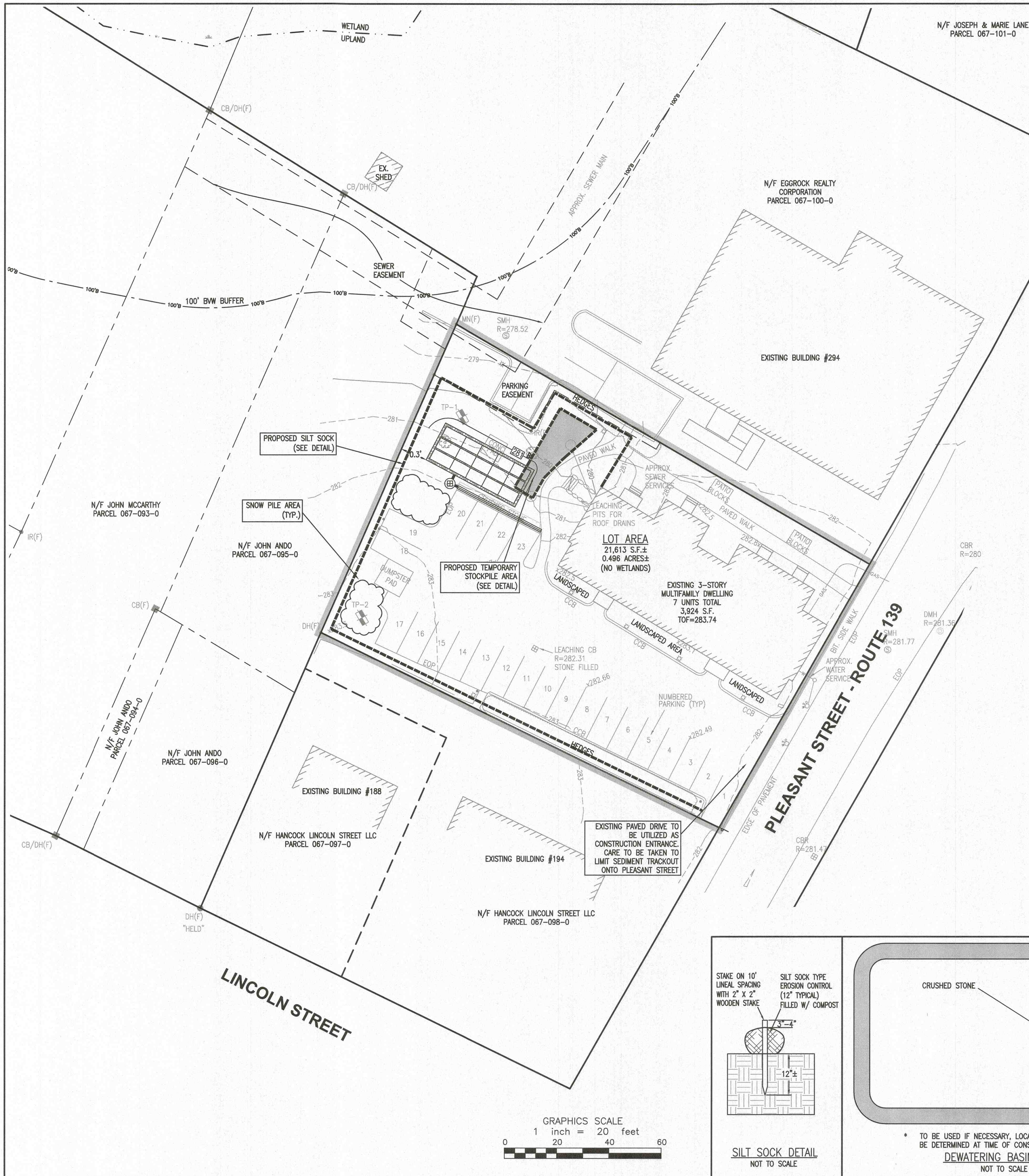
DRAWN BY:	WBC	DATE:	10-23-24
DESIGNED BY:	RMF	PROJECT NUMBER:	1243-01-01
CHECKED BY:	NCZ	DRAWING SCALE:	1"=20'
APPROVED BY:	NCZ	SHEET ID:	X

REV.	DATE	DESCRIPTION	BY	APP.
1	10-23-24	GENERAL COMMENTS	NCZ	RF
2	12-17-24	ADDED PLANNING BOARD DECISION	NCZ	RF



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





STORMWATER MANAGEMENT SYSTEMS LONG-TERM OPERATION AND MAINTENANCE PLAN:

1.0 INTRODUCTION
THE PROJECT HAS BEEN DESIGNED TO ENSURE STORMWATER QUALITY. IN ORDER FOR THIS TO CONTINUE IN THE LONG TERM, IT IS NECESSARY TO IMPLEMENT THE FOLLOWING LONG TERM OPERATION AND MAINTENANCE PROGRAM.

2.0 RESPONSIBLE PARTY
OWNER:
288 PLEASANT ST LLC
P.O. BOX 1641
SAGAMORE BEACH, MA 02562-1641
RESPONSIBLE FOR OPERATION AND MAINTENANCE:
SAME

3.0 MAINTENANCE OF STORMWATER MANAGEMENT FACILITIES
THE STORM WATER MANAGEMENT FACILITIES WERE DESIGNED TO REQUIRE LITTLE OR NO INTERVENTION IN THE OPERATION AND TO REQUIRE LITTLE OR NO MAINTENANCE ONCE THE PROJECT IS BUILT AND STABLE VEGETATIVE COVER IS ESTABLISHED. HOWEVER, THE DRAINAGE IMPROVEMENTS SHALL BE SUBJECT TO THE FOLLOWING MAINTENANCE SCHEDULE:

- 3.1 ROUTINE MAINTENANCE**
1. DEBRIS: ALL DEBRIS AND LITTER ARE TO BE REMOVED FROM ALL CATCH BASINS AND SURROUNDING AREAS AT LEAST TWICE PER YEAR.
 2. RE-SEEDING: EMBANKMENTS THAT HAVE EXCESSIVE EROSION OR SLUMPING ARE TO BE RE-GRADED AND SEEDED (WITH CANARY GRASS OR TALL FESCUE GRASS) DURING THE SPRING OR FALL GROWING SEASONS AS NEEDED.
 3. INSPECT: ROOF RECHARGE SYSTEMS SHALL BE INSPECTED FOR SIGNS OF PROPER FUNCTIONING ON A MONTHLY BASIS. ANY POTENTIAL BLOCKAGES IN THE DOWN SPOUTS WILL BE REMOVED IF DISCOVERED. GUTTERS WILL BE CLEANED AT LEAST TWICE PER YEAR.

- 3.2 PERIODIC MAINTENANCE**
1. ALL CATCH BASIN SUMPS WILL BE CLEANED A MINIMUM OF ONCE PER YEAR AND INSPECTED MONTHLY DURING THE ACTIVE CONSTRUCTION STAGE. IN THIS CLEANING, THE ENTIRE CONTENTS OF THE SUMPS WILL BE REMOVED.
 2. ACCUMULATED SEDIMENT IN THE WATER QUALITY UNITS WILL BE INSPECTED AND REMOVED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR, AT A MINIMUM, ONCE PER YEAR.

- 3.3 NON-ROUTINE MAINTENANCE**
1. STRUCTURAL: ALL CATCH BASINS AND PIPES SHOULD BE INSPECTED ONCE EVERY FOUR (4) YEARS FOR PROPER FUNCTION, CLOGGING, SIGNS OF DETERIORATION AND STRUCTURAL INADEQUACY. ANY ADVERSE SITUATIONS ARE TO BE REPAIRED AS NEEDED.

- 3.4 NON-PERIODIC INSPECTION**
1. THE STORM WATER MANAGEMENT SYSTEM SHALL BE INSPECTED AFTER TWO YEARS OF FULL OPERATION BY A REGISTERED PROFESSIONAL CIVIL ENGINEER TO CONFIRM ITS ADEQUACY. THE INSPECTION SHALL INCLUDE AN EXAMINATION OF ALL COMPONENTS OF THE SYSTEM INCLUDING CATCH BASINS AND INFILTRATION SYSTEMS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL EROSION AND PREVENT SEDIMENTATION BEYOND THE LIMIT OF WORK OR OFFSITE PROPERTIES. 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 SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION. STABILIZATION OF ALL REGRADED 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. ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION. A STAKED SILT SOCK 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.
4. CATCH BASINS WILL BE PROTECTED WITH HAYBALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
5. SEEDING MIXTURE FOR FINISHED GRASSED AREAS WILL BE AS FOLLOWS:

KENTUCKY BLUE GRASS	45%
CREeping RED FESCUE	45%
PERENNIAL RYEGRASS	10%

SEED TO BE APPLIED AT A RATE OF 4 LBS./1000 SQ. FT.
PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 15. AFTER OCTOBER 15, AREAS WILL BE STABILIZED WITH HAYBALE CHECK, FILTER FABRIC, OR WOODCHIP MULCH, AS REQUIRED, TO CONTROL EROSION.

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 (EQUVALENT TO BE 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) SHALL BE APPLIED AS SEEDING 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. AT ALL PROPOSED FILL AREAS WHICH ARE NOT CURRENTLY SHOWN ON THESE PLANS, THE CONTRACTOR SHALL ESTABLISH AN EROSION CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) ABOUT TEN (10') FEET FROM TOE TO SLOPE OF PROPOSED FILL AREAS PRIOR TO BEGINNING FILL INSTALLATION. STABILIZATION OF SLOPES IN FILL AREAS (USING MULCH OR GRASS) SHALL BE INITIATED WITHIN THIRTY (30) DAYS OF COMMENCEMENT OF FILL INSTALLATION.

8. 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 THIRTY (30) DAYS OF COMPLETION.

9. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN. ALL SILT SOCK RETAINING SEDIMENT OVER 1/2 ITS HEIGHT SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS SHALL BE REPAIRED OR REPLACED.

10. 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. 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. THE CONTRACTOR SHALL SECURE THE SERVICES OF A PROFESSIONAL ENGINEER, WHO SHALL VERIFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED, SHALL MAKE INSPECTION OF SUCH FACILITIES NOT LESS FREQUENTLY THAN EVERY 14 DAYS OR AFTER A RAINFALL IN EXCESS OF 1/2 INCH, WHICHEVER OCCURS FIRST.

12. STOCKPILES OF SOIL SHALL BE SURROUNDED BY A SEDIMENT BARRIER. SOIL STOCKPILES TO BE LEFT BARE FOR MORE THAN THIRTY (30) 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.

13. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF HIS 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.

14. IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS.

15. SILT SOCK SHALL BE USED ONLY AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED.

16. WHERE DEWATERING 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.



P.E. STAMP



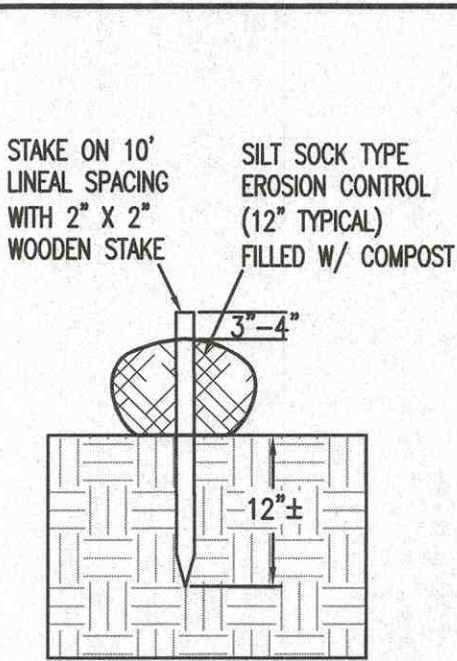
APP.	BY	DATE	DESCRIPTION
1	NCZ RF	12-17-24	GENERAL COMMENTS
2	NCZ RF	2-6-25	ADDED PLANNING BOARD DECISION

REV.	DATE	DESCRIPTION
1	10-29-24	WBC
2	12-17-24	RWF

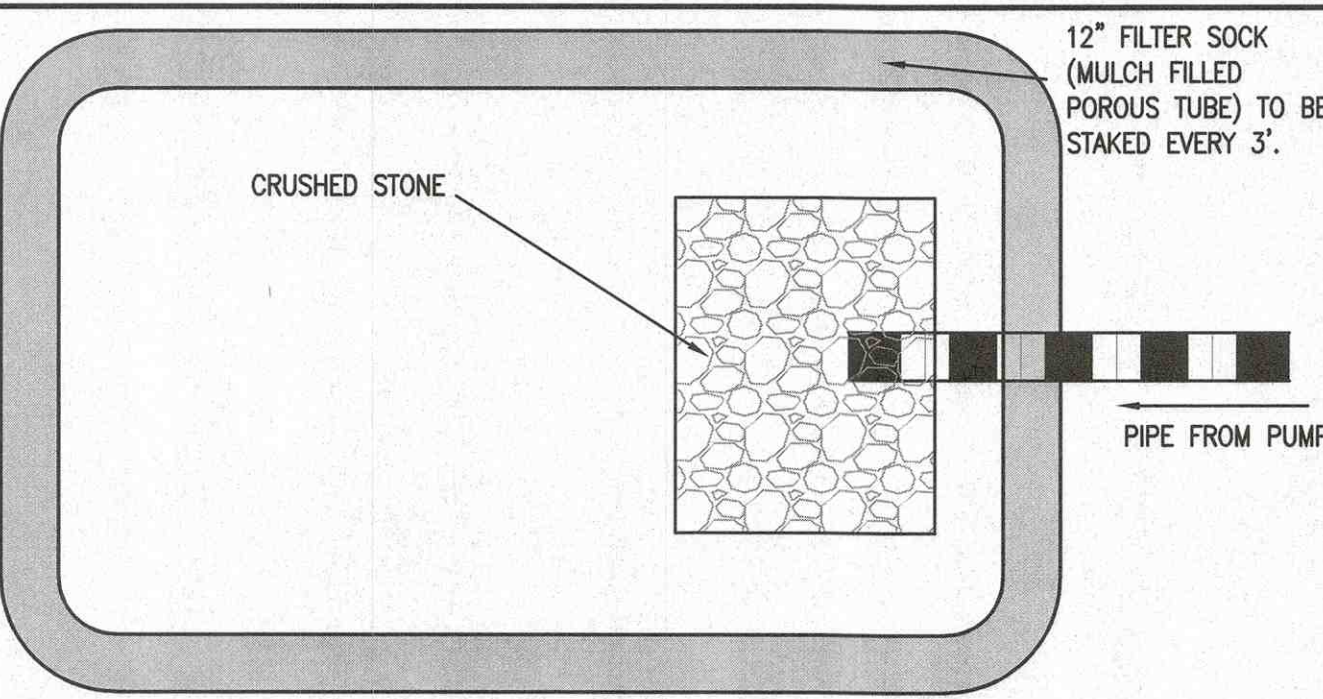
DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
WBC	RWF	NCZ	NCZ

PROJECT SITE:	CLIENT INFO:
288 PLEASANT STREET STOUGHTON, MASSACHUSETTS	288 PLEASANT ST LLC P.O. BOX 1641 SAGAMORE BEACH, MA 02562-1641

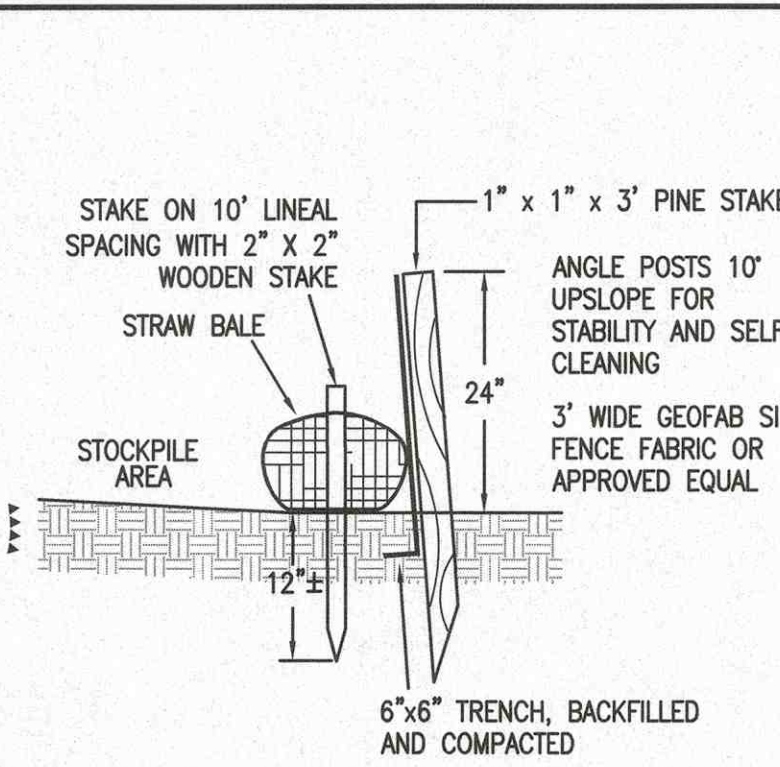
SHEET NAME:	PROJECT SITE:	CLIENT INFO:
EROSION CONTROL PLAN	288 PLEASANT STREET STOUGHTON, MASSACHUSETTS	288 PLEASANT ST LLC P.O. BOX 1641 SAGAMORE BEACH, MA 02562-1641



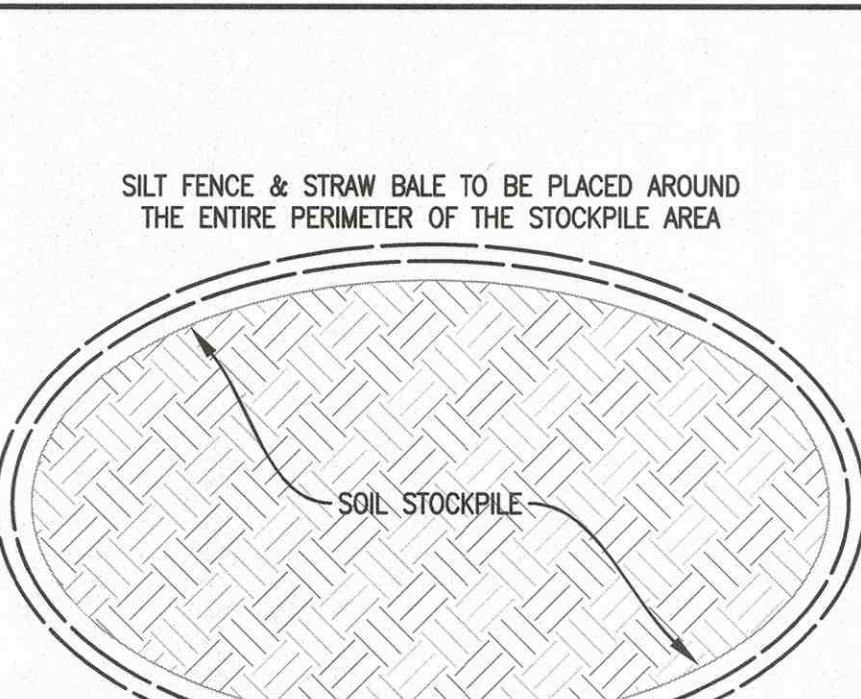
SILT SOCK DETAIL
NOT TO SCALE

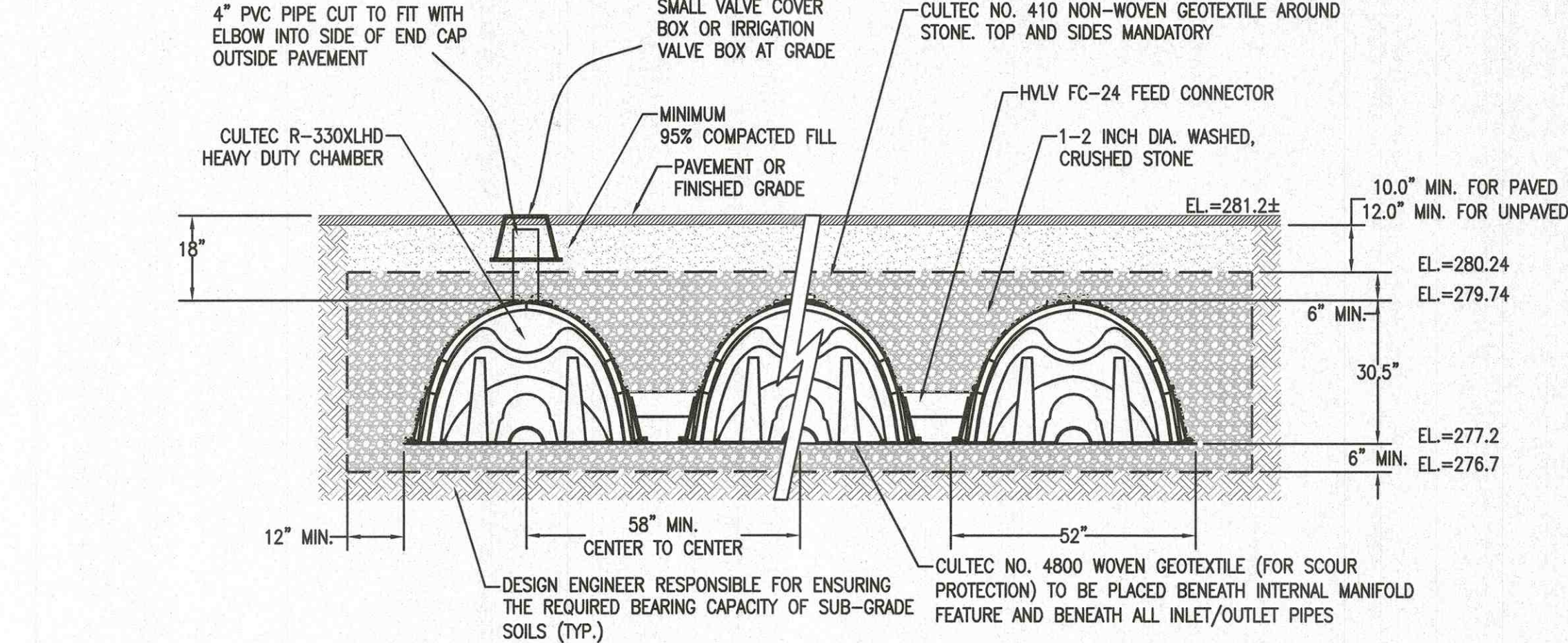


* TO BE USED IF NECESSARY. LOCATION TO BE DETERMINED AT TIME OF CONSTRUCTION
DEWATERING BASIN PLAN
NOT TO SCALE



SOIL STOCKPILE EROSION CONTROL DETAIL
NOT TO SCALE





GENERAL NOTES
CULTEC R-330XLHD BY CULTEC, INC. OF BROOKFIELD, CT.

REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS

ALL CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS

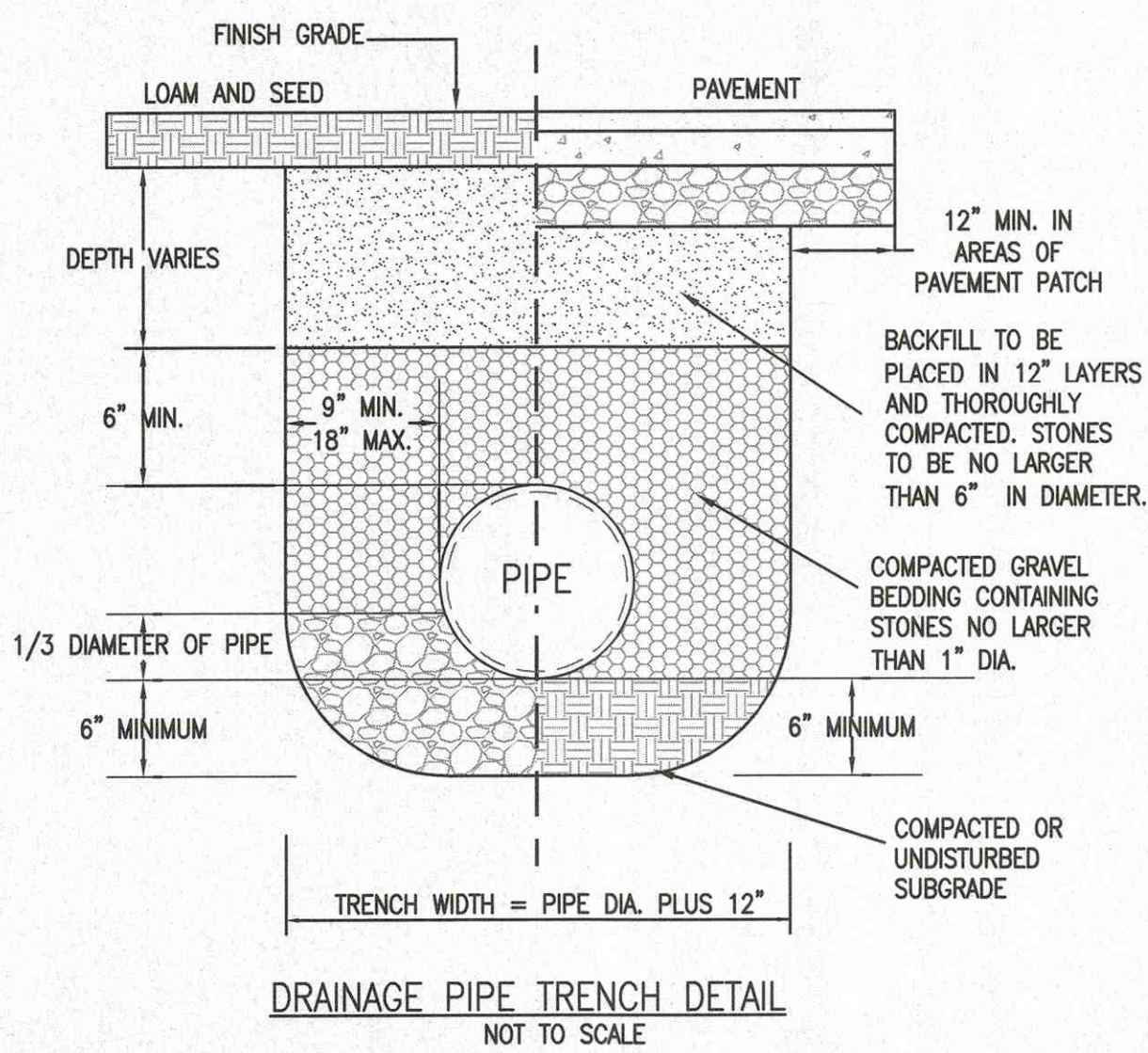
CULTEC CONTACTOR 330XLHD DETAIL OF DRAIN INFILTRATION SYSTEM
NOT TO SCALE

SOIL LOGS:

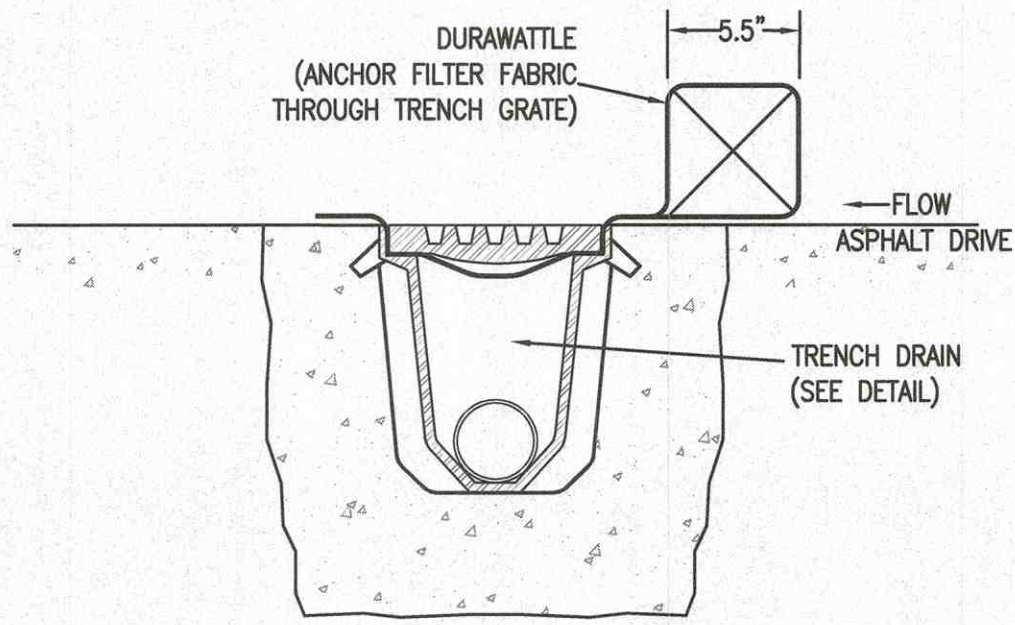
DATE: 5-20-24
PERFORMED BY: NYLES ZAGER, ZENITH CONSULTING ENGINEERS, LLC.
WITNESSED BY: LARRY PERRY, STOUGHTON BOARD OF HEALTH

DEPTH (INCHES)	TP-1	ELEV. (FEET)	DEPTH (INCHES)	TP-2	ELEV. (FEET)
0	FILL	280.5	0	FILL	283.5
18	B SANDY LOAM	279.0	17	B SANDY LOAM	282.1
28	C1 LOAMY SAND	278.2	38	C1 LOAMY SAND/FINE SAND	280.3
42	C2 SANDY LOAM 2.5Y 5/2	277.0	64	C2 SANDY LOAM 2.5Y 5/2	278.2
94		272.7	88		276.2
MOTTLING @ 70"			MOTTLING @ 64"		
WEEPING @ NONE			WEEPING @ NONE		
STANDING @ NONE			STANDING @ NONE		
ESHW EL= 274.7			ESHW EL= 278.2		

NOTE: UNSUITABLE SOIL SHALL BE REMOVED BENEATH CHAMBER SYSTEMS AND REPLACED WITH TITLE 5 SAND UP TO THE ELEVATION OF THE BOTTOM OF THE CHAMBERS



DRAINAGE PIPE TRENCH DETAIL
NOT TO SCALE



TRENCH GRATE/DURAWATTLE SEDIMENT CONTROL
NOT TO SCALE

ECCENTRIC CONE

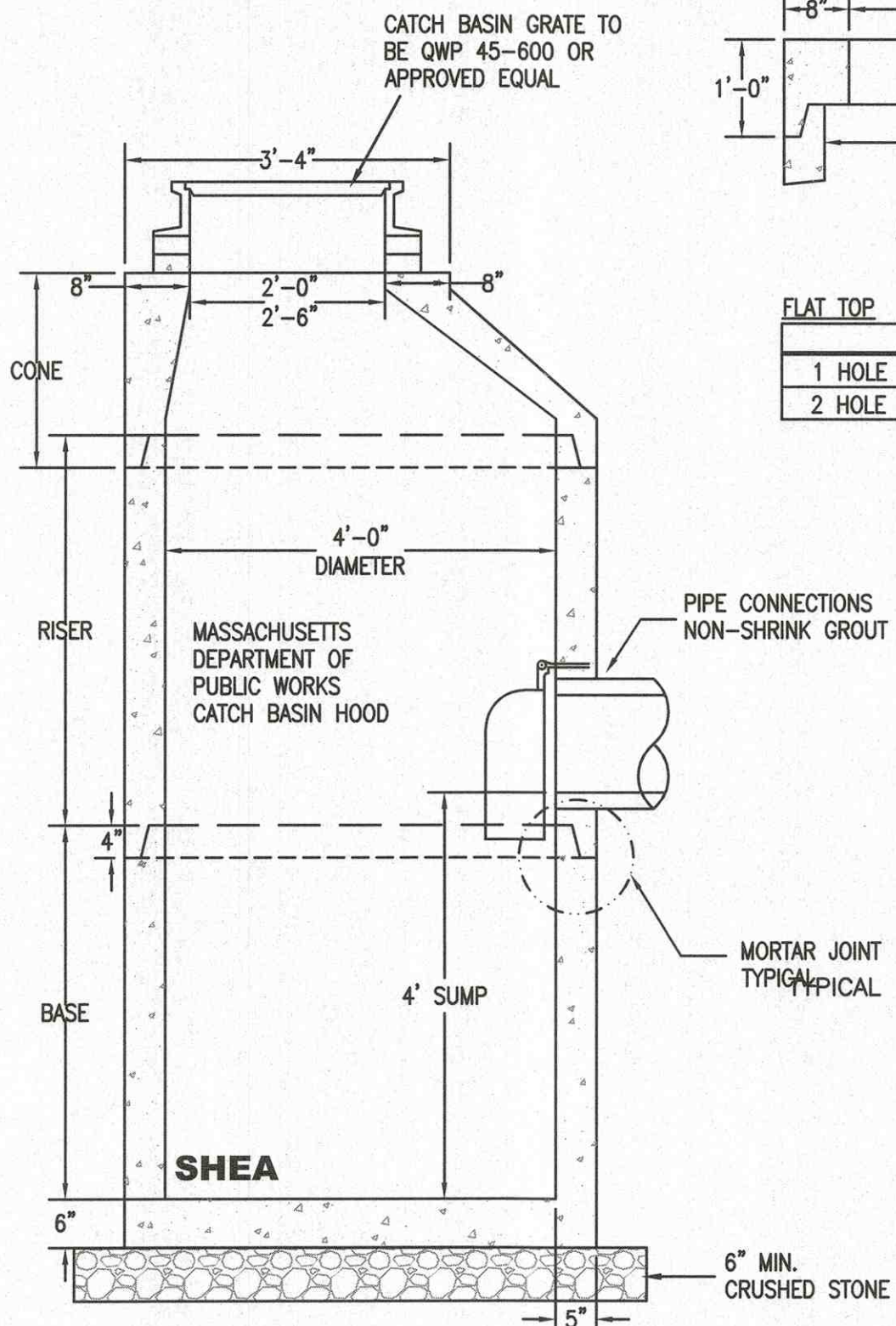
HEIGHT	ITEM NO
1'-6"	MH4-18C4ID
2'-0"	MH4-24C4ID
2'-6"	MH4-30C4ID
3'-0"	MH4-36C4ID
4'-0"	MH4-48C4ID

RISER SECTION

HEIGHT	ITEM NO
1'-0"	MH4-12CS4ID
2'-0"	MH4-24CS4ID
2'-6"	MH4-30CS4ID
3'-0"	MH4-36CS4ID
4'-0"	MH4-48CS4ID
5'-0"	MH4-60CS4ID

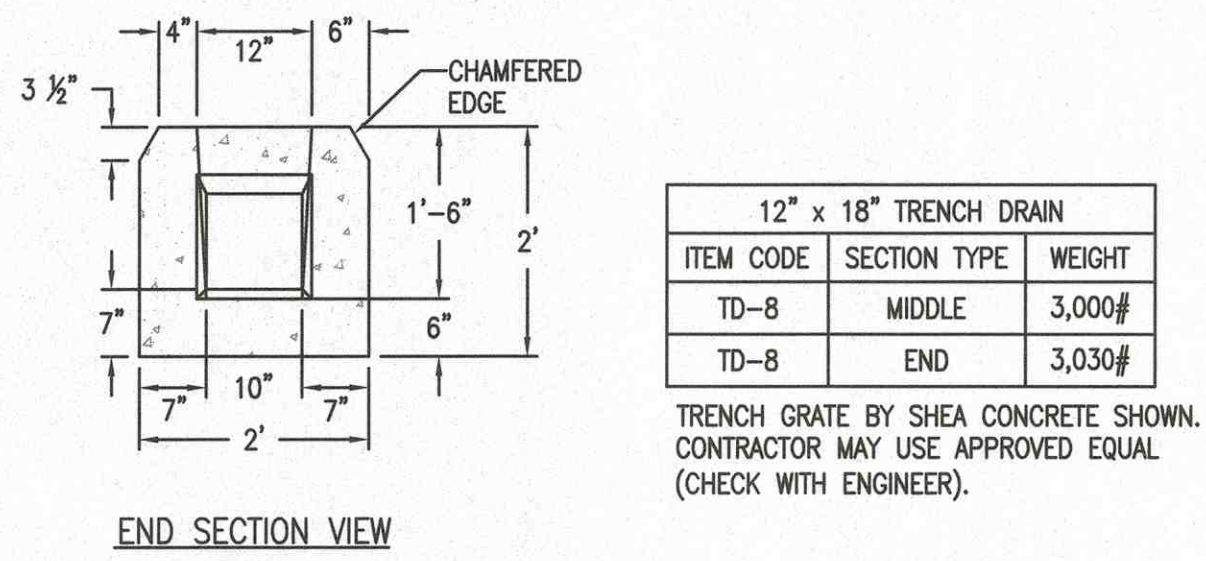
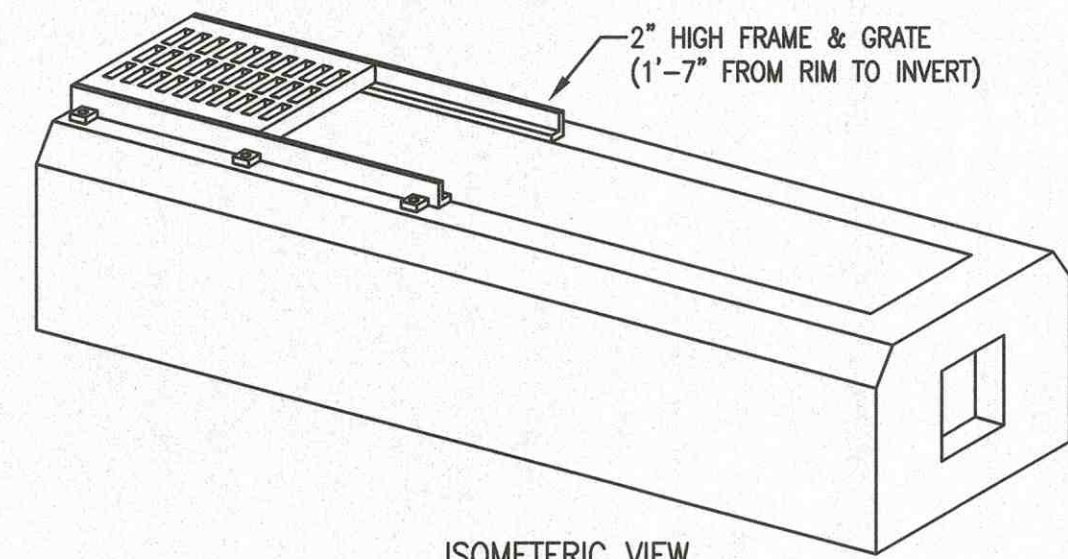
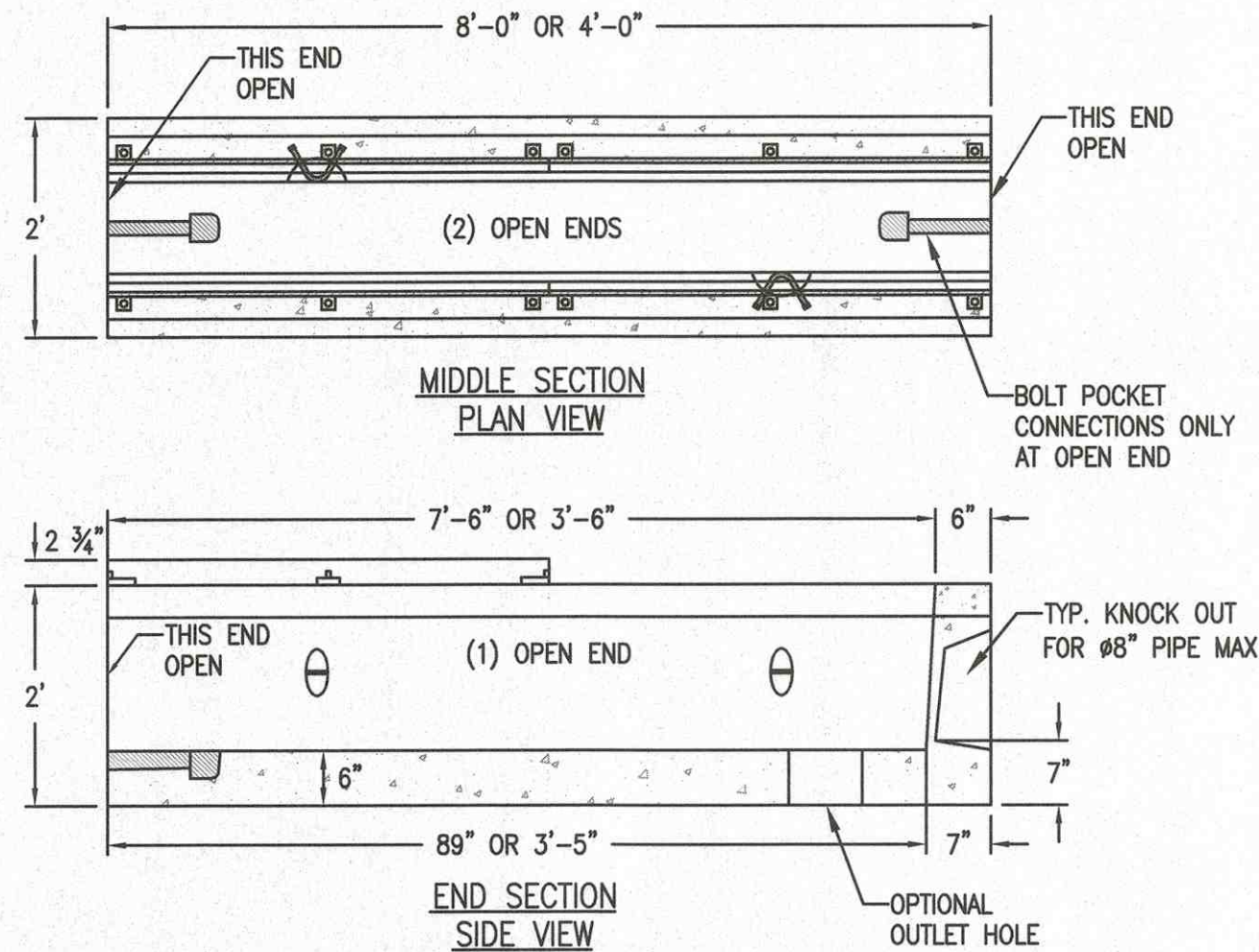
BASE SECTION

HEIGHT	ITEM NO
2'-0"	MH4-24S4ID
2'-6"	MH4-30S4ID
3'-0"	MH4-36S4ID
3'-6"	MH4-42S4ID
4'-0"	MH4-48S4ID
4'-6"	MH4-54S4ID
5'-0"	MH4-60S4ID
5'-6"	MH4-66S4ID
6'-0"	MH4-72S4ID



PRECAST CONCRETE CATCH BASIN
NOT TO SCALE

- NOTES:
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
 2. REINFORCED STEEL CONFORMS TO LATEST ASTM A185 SPEC. 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM.
 3. H-20 DESIGN LOADING PER AASHTO HS-20-44; ASTM C478 SPEC FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS."
 4. AN H-20 RATED PRE-CAST FLAT TOP SHALL BE USED ON ALL DRAINAGE STRUCTURES WITH LESS THAN 3' OF COVER TO FINISH GRADE.
 5. FRAME TO BE SET IN A FULL BED OF MORTAR
 6. BRICK LEVELING COURSE AS REQUIRED FOR GRADE ADJUSTMENTS (5 MAXIMUM) MASSACHUSETTS STANDARD CATCH BASIN HOOD SHALL BE INSTALLED ON OUTLET PIPE.



TRENCH GRATE DETAIL
NOT TO SCALE



P.E. STAMP

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PHONE: (508) 947-4208

APP.	BY	DESCRIPTION	DATE	REV.
NCZ	NCZ	GENERAL COMMENTS	12-17-24	1
NCZ	NCZ	ADDED PLANNING BOARD DECISION	2-6-25	2

PROJECT NUMBER	1243-01-01
DRAWING SCALE	1"=20'
SHEET ID	D

SITE DETAILS

288 PLEASANT STREET
STOUGHTON, MASSACHUSETTS

288 PLEASANT ST LLC
P.O. BOX 1641
SAGAMORE BEACH, MA 02562-1641

