

LOCUS MAP
NOT TO SCALE

BUILDING LEGEND:

1 UNIT NUMBER	40,000 S.F.
2 AFFORDABLE UNIT	175 L.F. (Min.)
3 FRONT PORCH	100 L.F. (Min.)
4 GARAGE	30 FT. (Min.)
5 DRIVEWAY	15 FT. (Min.)
6 2 BEDROOM UNIT	35 FT. (Max.)
7 3 BEDROOM UNIT	2 EA. PER DWELLING (Min.)

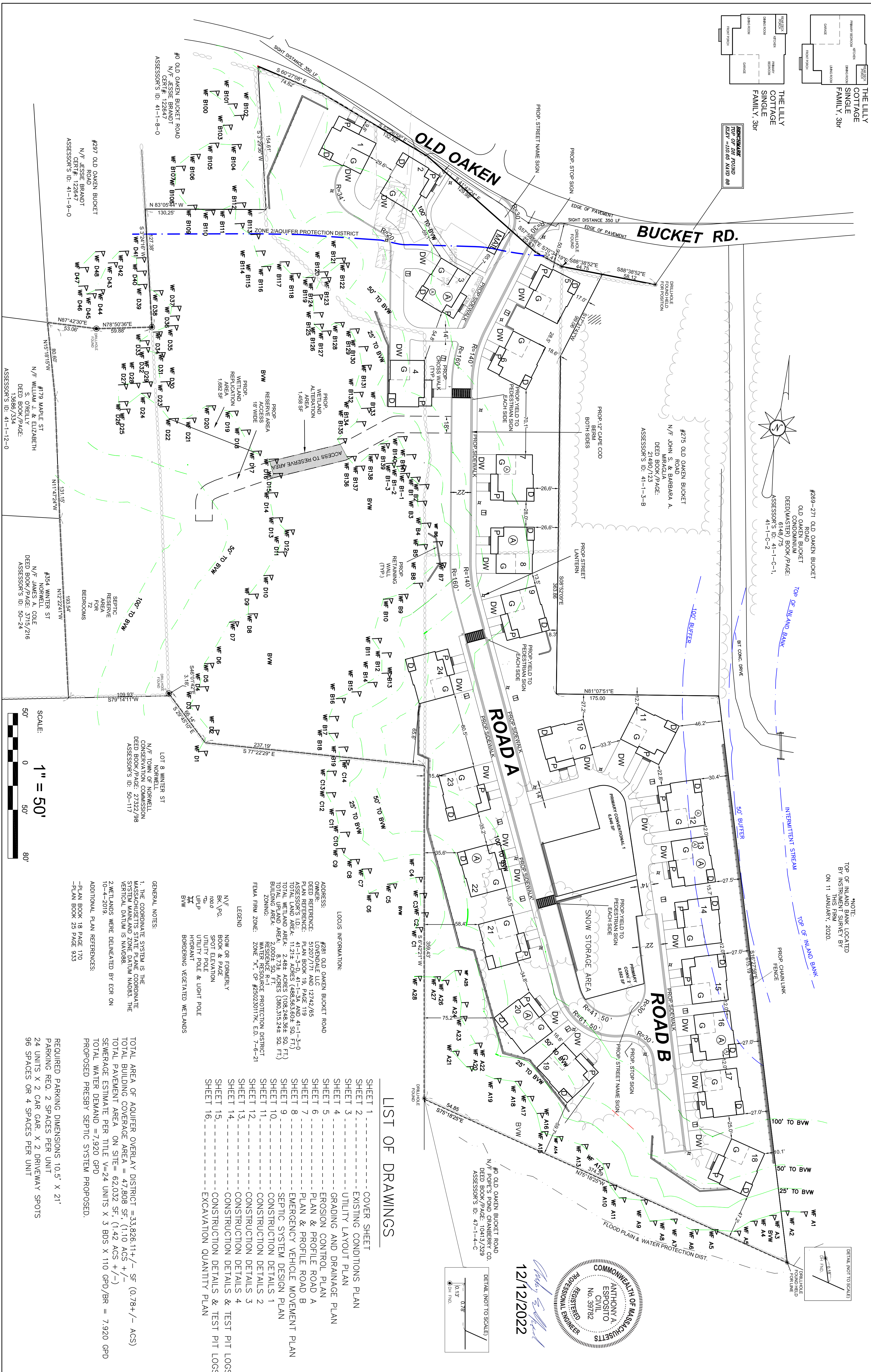
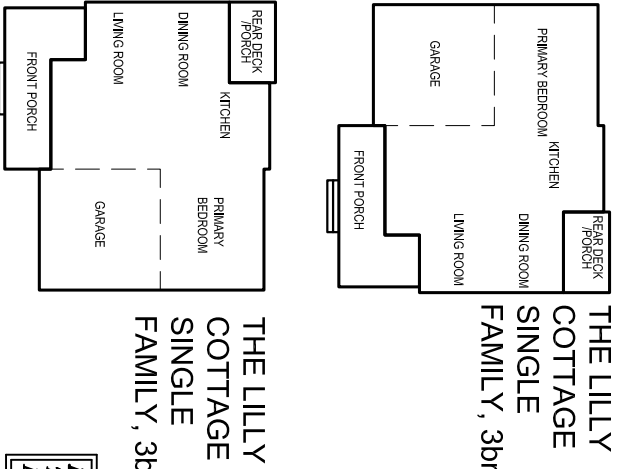
ZONING REQUIREMENTS

UPLAND LOT AREA	40,000 S.F.
LOT WIDTH	175 L.F. (Min.)
LOT FRONTAGE	100 L.F. (Min.)
FRONT SET-BACK	30 FT. (Min.)
SIDE & REAR-YARDS	15 FT. (Min.)
HEIGHT	35 FT. (Max.)
PARKING SPACES	2 EA. PER DWELLING (Min.)

MINIMUM DIMENSIONAL REQUIREMENTS

FOUNDATION TO FOUNDATION	12 FT. MIN.
FOUNDATION TO DRAINAGE AREA	10 FT. MIN.
FOUNDATION TO SEPTIC TANK	10 FT. MIN.
SEPTIC TANK TO DRAINAGE AREA	10 FT. MIN.
DRAINAGE AREA TO WETLANDS	50 FT. MIN.
GARAGE AREA TO SIDEWALK	21 FT. MIN.
DRAINAGE AREA TO PROPERTY LINE	10 FT. MIN.
IT IS RECOMMENDED THAT ALL LAYOUT BE CONFIRMED VIA SURVEY METHODOLOGY TO MAKE SURE MINIMUM DISTANCES REQUIRED ARE MAINTAINED.	

MODEL LEGEND



NOTE:
TOP OF INLAND SHORE BY THIS FIRM ON 11 JANUARY, 2020.

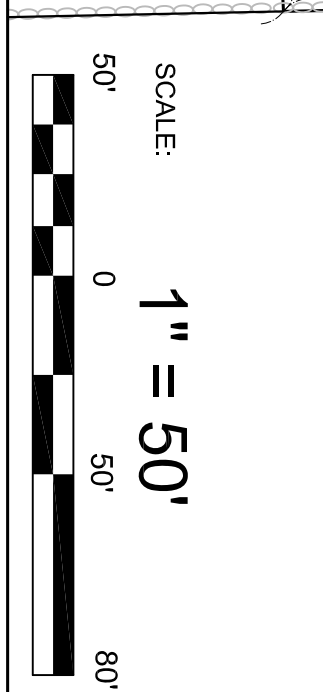


12/12/2022

LIST OF DRAWINGS

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SHEET 3	UTILITY LAYOUT PLAN
SHEET 4	GRADING AND DRAINAGE PLAN
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SHEET 6	PLAN & PROFILE ROAD A
SHEET 7	PLAN & PROFILE ROAD B
SHEET 8	EMERGENCY VEHICLE MOVEMENT PLAN
SHEET 9	SEPTIC SYSTEM DESIGN PLAN
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SHEET 11	CONSTRUCTION DETAILS 2
SHEET 12	CONSTRUCTION DETAILS 3
SHEET 13	CONSTRUCTION DETAILS 4
SHEET 14	CONSTRUCTION DETAILS & TEST PIT LOGS
SHEET 15	CONSTRUCTION DETAILS & TEST PIT LOGS
SHEET 16	EXCAVATION QUANTITY PLAN

GENERAL NOTES:
1. THE COORDINATE SYSTEM IS THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (NAD83). THE VERTICAL DATUM IS NAVD83.
2. WETLANDS WERE DELINEATED BY EGR ON 10-4-2019.
3. ADDITIONAL PLAN REFERENCES:
- PLAN BOOK 18, PAGE 170
- PLAN BOOK 25, PAGE 923



REVISIONS: No. DESCRIPTION DATE

PROJECT TITLE: **THE COTTAGES AT OLD OAKEN BUCKET AT #279-281 OLD OAKEN BUCKET ROAD SCITUATE, MA**

PREPARED FOR: **COVER SHEET**

PARCEL 41-1-3-D
PARCEL 41-1-3-0

PREPARED BY: **South Shore Surveyors, Inc.**
REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
167 R SUMMER STREET
KINGSTON, MA 02364
781-582-2185
mark@ssocinc.net

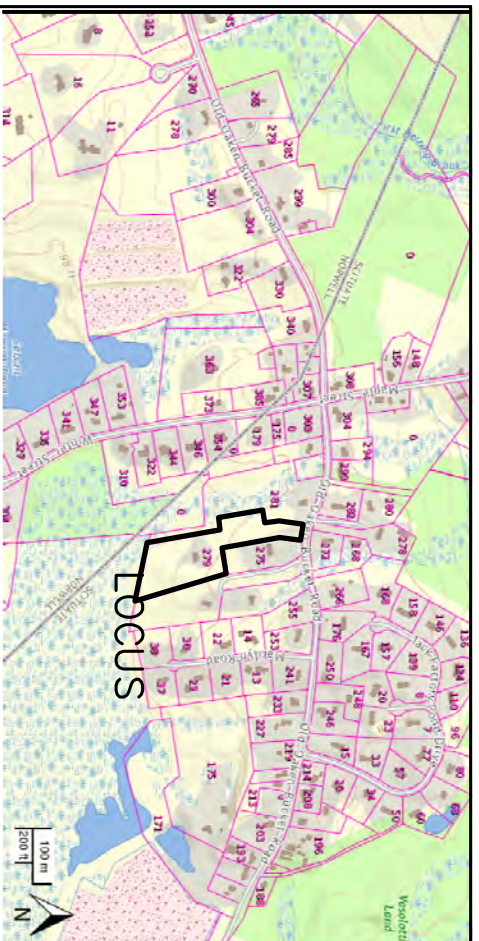
PREPARED FOR: **LOVEDALE, LLC**
S/O SALT MEADOW DEVELOPMENT
107 EAST STREET
DUXBURY, MA 02332

DATE: DECEMBER 12, 2022
COMP/DESIGN: A. ESPOSITO
DRAWN: A. ESPOSITO
CHECK: M. D. CASEY
FIELD: LILUPS
APPROVED: M. D. CASEY
DWG. NO. 1908 CP

SCALE: 1" = 50'
50' 0' 50' 80'

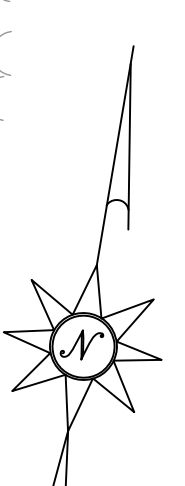
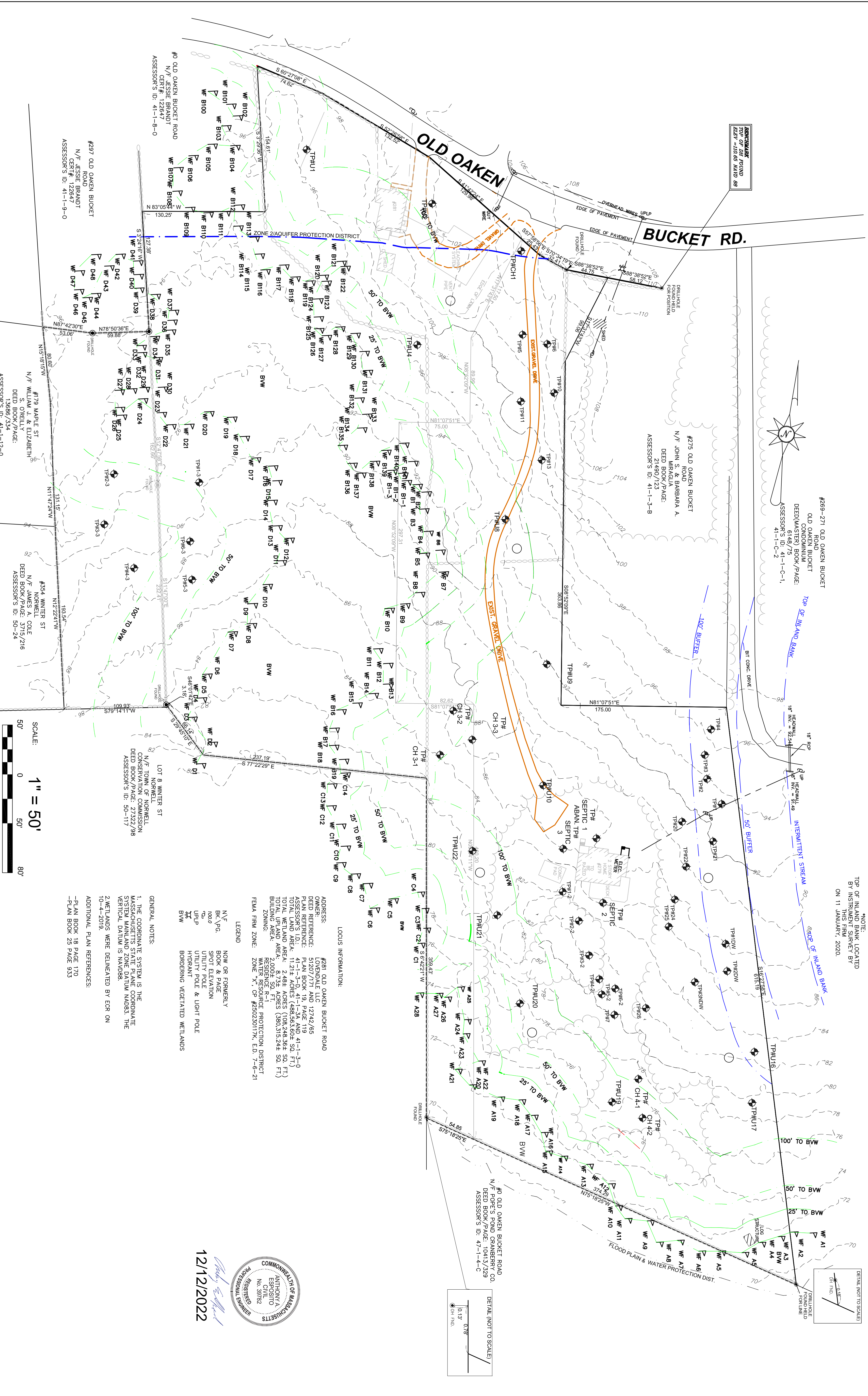
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DWG. NO. 1908 CP

JOB NO. 1908 1 OF 16 SHEET



LOCUS MAP

NOT TO SCALE



#269-271 OLD OAKEN BUCKET ROAD
 OLD OAKEN BUCKET DEED (MASTERS) BOOK/PAGE: 6148/75
 ASSESSOR'S ID: 41-1-C-1, 41-1-C-2

#275 OLD OAKEN BUCKET ROAD
 N/F JOHN S. & BARBARA A. DEED BOOK/PAGE: 21490/23
 ASSESSOR'S ID: 41-1-3-8

#179 MAPLE ST
 N/F WILLIAM J. & ELIZABETH DEED BOOK/PAGE: 13686/234
 ASSESSOR'S ID: 41-1-12-0

#354 WINTER ST
 N/F JAMES A. COLE DEED BOOK/PAGE: 50-24
 ASSESSOR'S ID: 50-24

LOT 8 WINTER ST
 N/F TONYA M. CONSERVATION COMMISSION DEED BOOK/PAGE: 27322/98
 ASSESSOR'S ID: 50-117

#291 OLD OAKEN BUCKET ROAD
 LOVEDALE LLC DEED REFERENCE: 51207/171 AND 12742/65
 PLAN BOOK 19, PAGE 119
 TOTAL LAND AREA: 11.21 ± ACRES (486,563.60 ± SQ FT)
 TOTAL WETLAND AREA: 2.48 ± ACRES (108,248.36 ± SQ FT)
 TOTAL PLANT AREA: 6,732 ± ACRES (380,135,24 ± SQ FT)
 ZONING: RESIDENCE R-1
 WETLAND RESPONSE PROTECTION DISTRICT
 FEMA FIRM ZONE: 200 N, 5' (25025017), 2-D, 7-9-21

LEGEND
 N/F NOW OR FORMERLY
 B/P BOOK PAGE
 S/P SPOT ELEVATION
 U/P UTILITY POLE
 U/P UTILITY POLE & LIGHT POLE
 H/B HOBBIER
 B/V BORDERING VEGETATED WETLANDS

GENERAL NOTES:
 1. THE COORDINATE SYSTEM IS THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM MANLAND ZONE DATUM NAD83. THE VERTICAL DATUM IS NAVD83.
 2. WETLANDS WERE DELINEATED BY ECR ON 10-4-2019.
 ADDITIONAL PLAN REFERENCES:
 -PLAN BOOK 18, PAGE 170
 -PLAN BOOK 25, PAGE 923

LOCUS INFORMATION:
 ADDRESS: #291 OLD OAKEN BUCKET ROAD
 OWNER: LOVEDALE LLC
 DEED REFERENCE: 51207/171 AND 12742/65
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 ZONING: RESIDENCE R-1
 WETLAND RESPONSE PROTECTION DISTRICT
 FEMA FIRM ZONE: 200 N, 5' (25025017), 2-D, 7-9-21

NOTE:
 TOP OF INLAND SHIMBY LOCATED BY INSTRUMENT SURVEY BY THIS FIRM, 2020.
 ON 11 JANUARY, 2020.

SCALE: 1" = 50'
 50' 0' 50' 80'

12/12/2022

COMMONWEALTH OF MASSACHUSETTS
 ANTHONY ESPPOSITO
 REGISTERED PROFESSIONAL LAND SURVEYOR
 NO. 39782

REVISIONS:	DESCRIPTION	DATE
No.		

PROJECT TITLE:

THE COTTAGES AT OLD OAKEN BUCKET AT #279-281 OLD OAKEN BUCKET ROAD SCITUATE, MA

EXISTING CONDITIONS PLAN

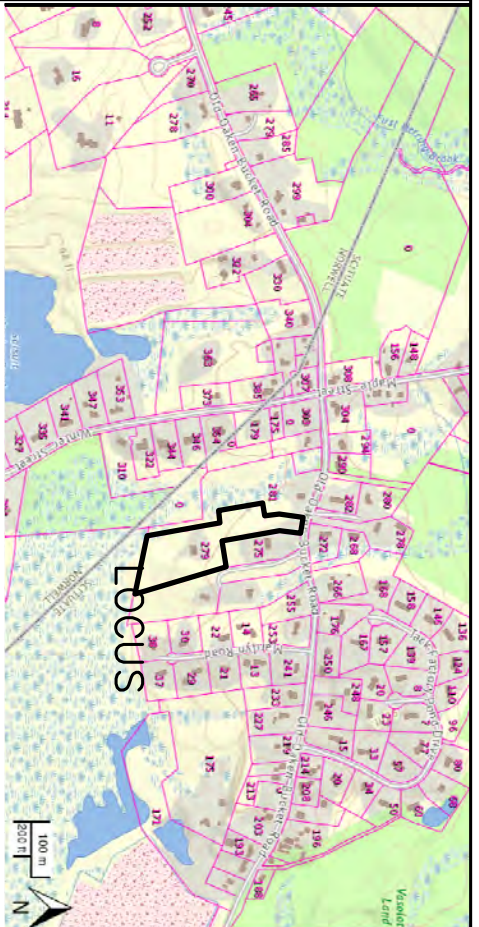
PARCEL 41-1-3-D
 PARCEL 41-1-3-0

PREPARED BY:
 REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
 167 R SUMMER STREET
 KINGSTON, MA 02364
 781-582-2185
 mark@sscinc.net

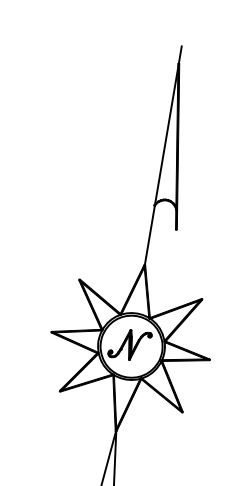
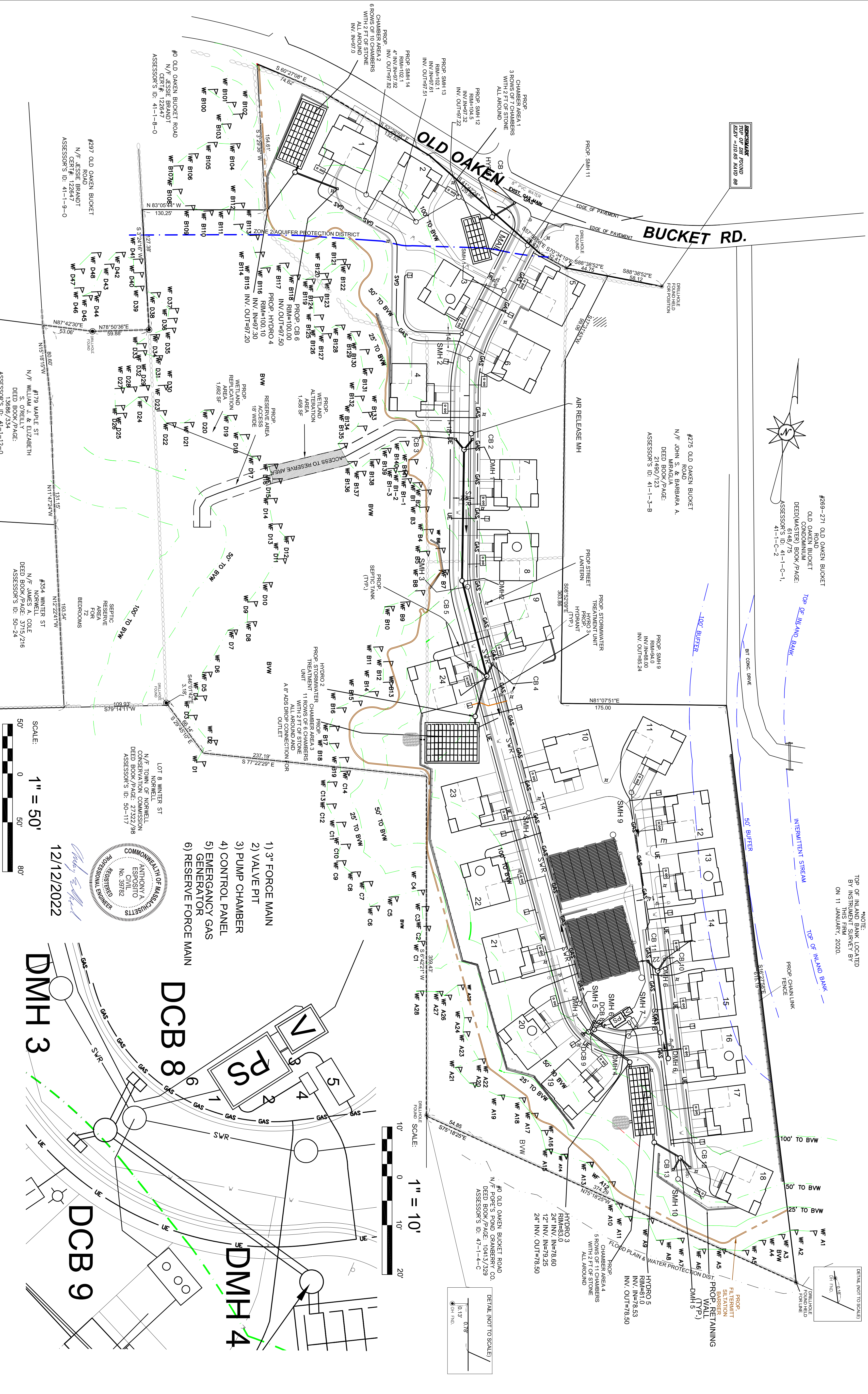
PREPARED FOR:
 LOVEDALE, LLC
 S/O SALT MEADOW DEVELOPMENT
 107 EAST STREET
 DUXBURY, MA 02532

DATE: DECEMBER 12, 2022
 COMP/DESIGN: A. ESPOSITO
 CHECK: M. D. CASEY
 DRAWN: A. ESPOSITO
 FIELD: LILUPS
 APPROVED: M. D. CASEY
 DWG. NO. 1908 ECP
 JOB NO. 1908

SHEET 2 OF 16



LOCUS MAP
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#269-271 OLD OAKEN BUCKET ROAD
OLD OAKEN BUCKET DEED (MASTER) BOOK/PAGE: 6148/75
ASSESSOR'S ID: 41-1-C-1, 41-1-C-2

#275 OLD OAKEN BUCKET ROAD
N/F JOHN S. & BARBARA A. DEED BOOK/PAGE: 21490/723
ASSESSOR'S ID: 41-1-3-8

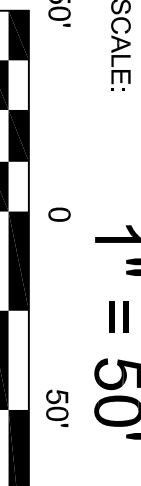
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INV. IN/486.00
INV. OUT/85.24

LOT 8 WINTER ST
N/F TONYA CORNELL
CONSERVATION COMMISSION
DEED BOOK/PAGE: 27322/99
ASSESSOR'S ID: 50-117

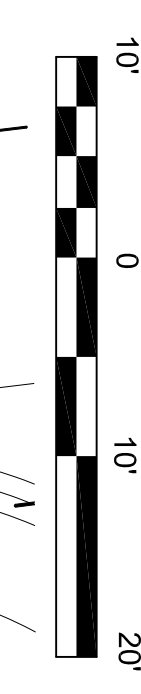


12/12/2022

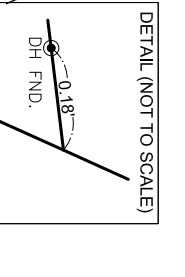
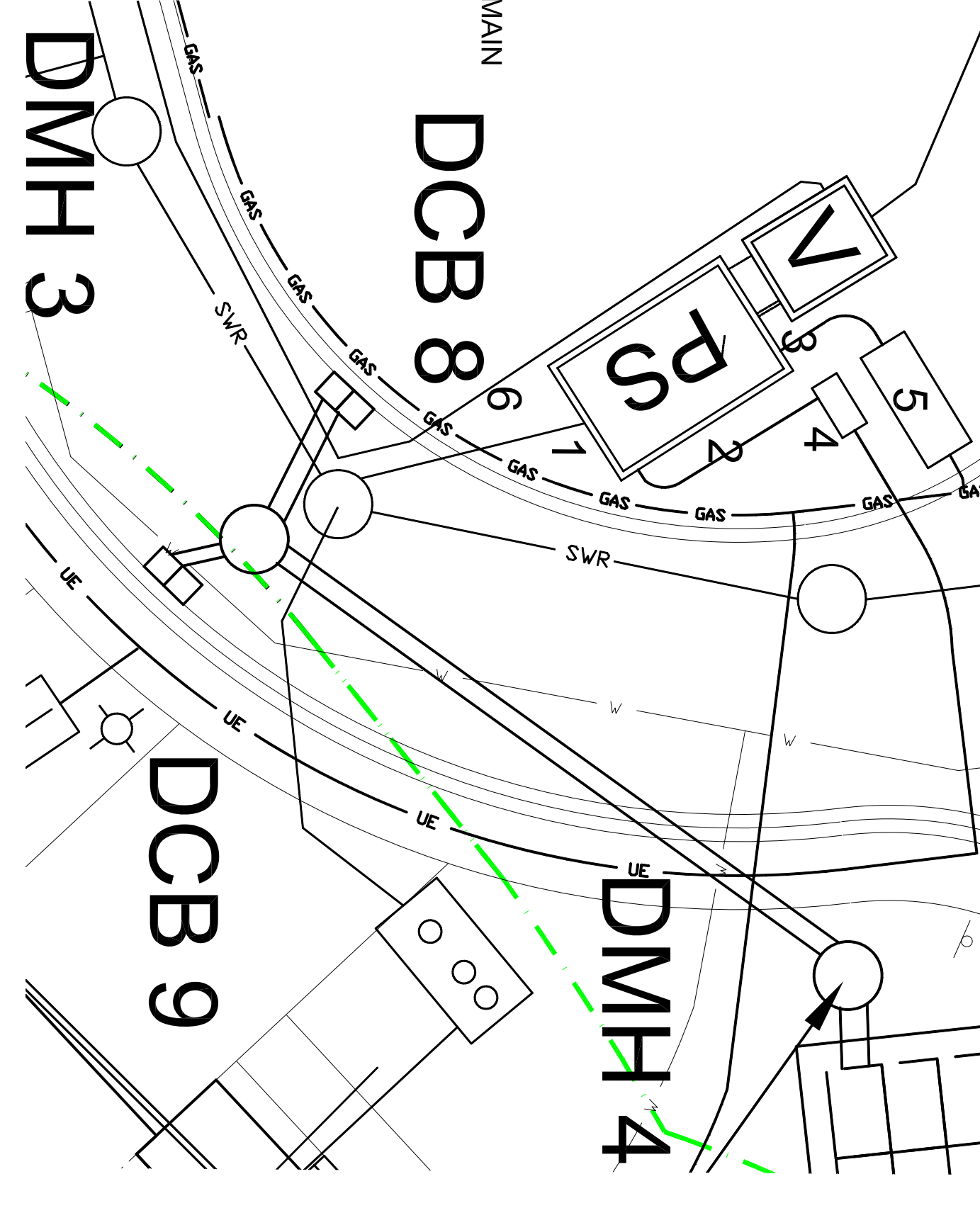
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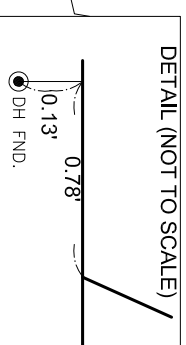
SCALE: 1" = 10'



- 1) 3" FORCE MAIN
- 2) VALVE PIT
- 3) PUMP CHAMBER
- 4) CONTROL PANEL
- 5) EMERGENCY GAS GENERATOR
- 6) RESERVE FORCE MAIN



DETAIL (NOT TO SCALE)



DETAIL (NOT TO SCALE)

REVISIONS:	No.	DESCRIPTION	DATE

PROJECT TITLE:

THE COTTAGES AT
OLD OAKEN BUCKET AT
#279-281 OLD OAKEN BUCKET ROAD
SCITUATE, MA

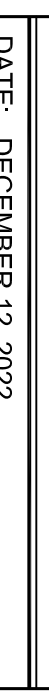
UTILITY LAYOUT PLAN

PREPARED FOR:
PARCEL 41-1-3-D
PARCEL 41-1-3-0

REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
South Shore Surveyors, Inc.
167 R SUMMER STREET
KINGSTON, MA 02364
781-582-2185
mark@ssscinc.net

PREPARED FOR:
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S/O SALT MEADOW DEVELOPMENT
107 EAST STREET
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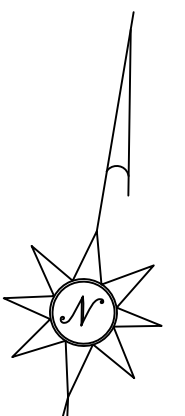
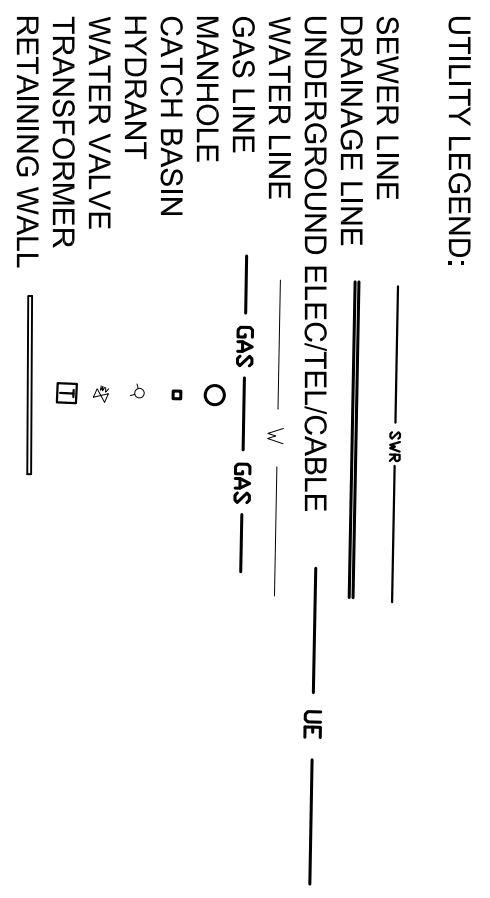
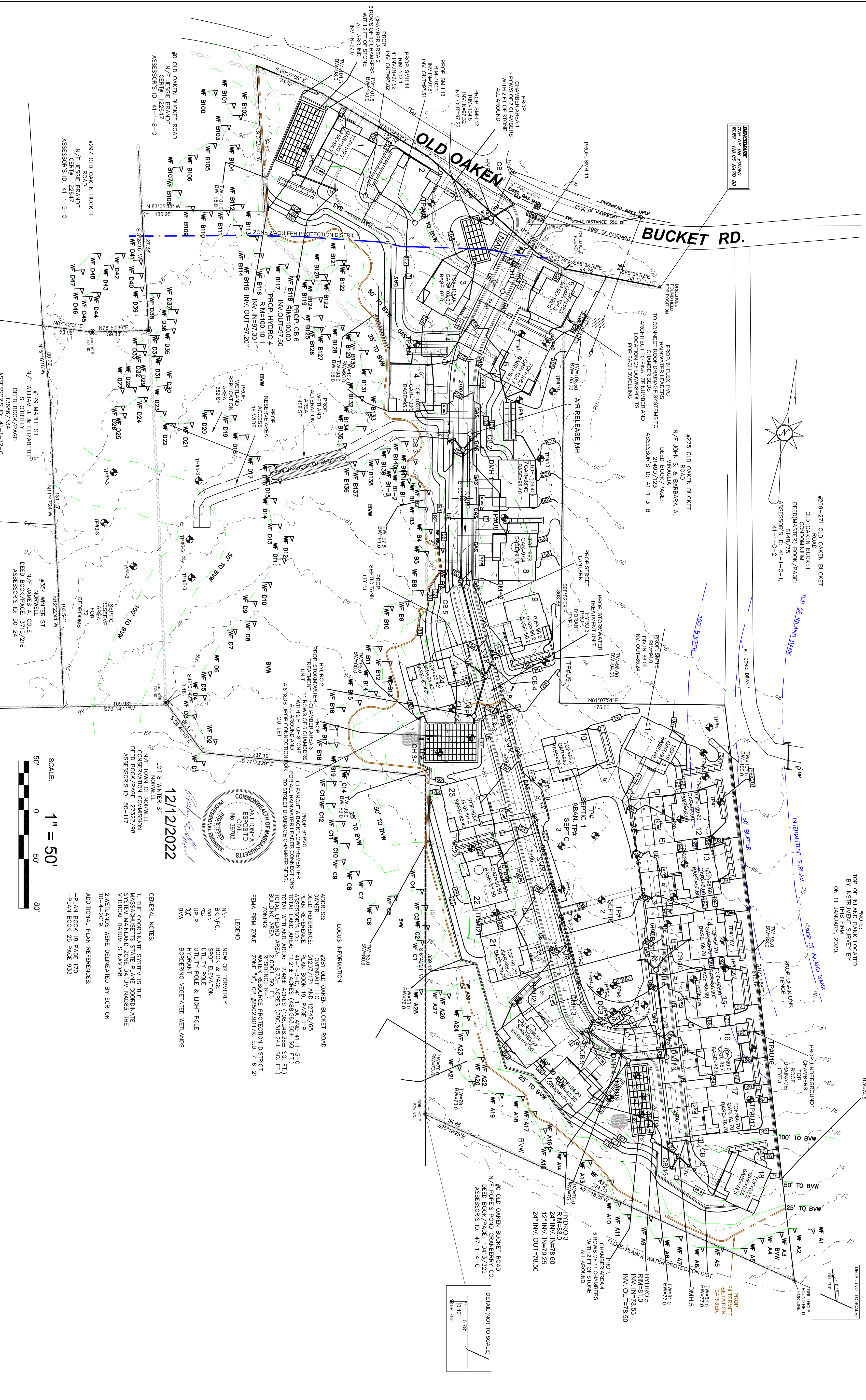
SCALE: 1" = 50'



DATE: DECEMBER 12, 2022	SHEET 3 OF 16
COMP/DESIGN: A. ESPOSITO	
CHECK: M. D. CASEY	
DRAWING: A. ESPOSITO	
FIELD: LILUPS	
APPROVED: M. D. CASEY	
DWG. NO. 1908 SP	
JOB NO. 1908	



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12/12/2022
 NORKEL ENGINEERING
 PROFESSIONAL ENGINEER
 REGISTRATION NO. 39782

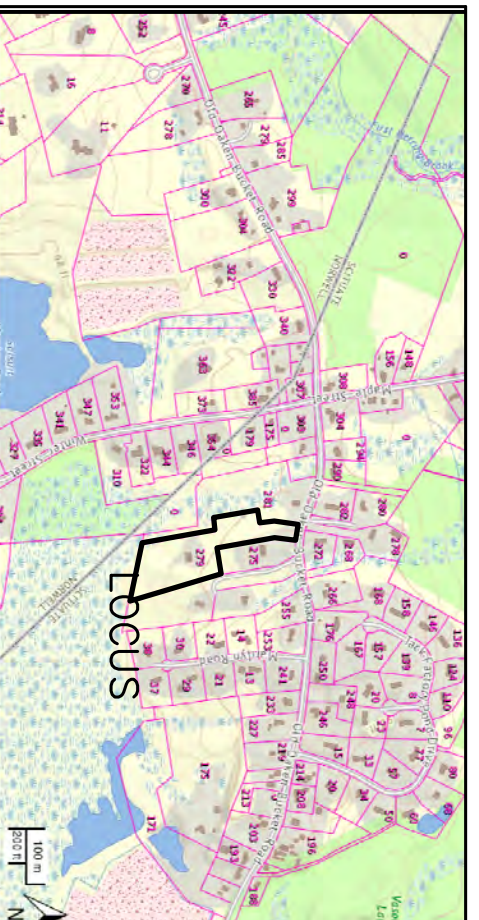
GENERAL NOTES:
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 2. WETLANDS WERE DELINEATED BY EGR ON 10-4-2019.
 ADDITIONAL PLAN REFERENCES:
 -PLAN BOOK 18 PAGE 170
 -PLAN BOOK 25 PAGE 923

LOCUS INFORMATION:
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 OWNER: LOVEDALE LLC
 DEED REFERENCE: 51207/171 AND 12742/65
 PLAN REFERENCE: PLAN BOOK 19, PAGE 119
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 TOTAL OUPLAND AREA: 2.48 ± ACRES (108,248.36 ± SQ. FT.)
 TOTAL WETLAND AREA: 8.73 ± ACRES (380,315.24 ± SQ. FT.)
 ZONING: RESIDENCE R-1
 FLEMA FIRM ZONE: VNM, X, ST-250250170, D, 7-9-C-21

LEGEND
 N/F: NOW OR FORMERLY
 S/P: SPLIT PLAT
 S/E: SPOT ELEVATION
 U/P: UTILITY POLE
 U/P/P: UTILITY POLE & LIGHT POLE
 H: HYDRANT
 B: BORDERING VEGETATED WETLANDS

FOR REGISTRY USE ONLY
 PROJECT TITLE:
 THE COTTAGES AT OLD OAKEN BUCKET AT #279-281 OLD OAKEN BUCKET ROAD SCITUATE, MA
 GRADING & DRAINAGE PLAN
 PREPARED BY:
 PARCEL 41-1-3-D
 PARCEL 41-1-3-0
 PREPARED FOR:
 LOVEDALE, LLC
 S/O SALT MEADOW DEVELOPMENT
 107 EAST STREET
 DUXBURY, MA 02532
 DATE: DECEMBER 12, 2022
 COMP/DESIGN: A. ESPOSITO
 CHECK: M. D. CASEY
 DRAWN: A. ESPOSITO
 FIELD: LILUPS
 APPROVED: M. D. CASEY
 DWG. NO. 1908 SP
 SHEET 4 OF 16

SCALE: 1" = 50'
 0 50 80
 50 0 50 80



LOCUS MAP
NOT TO SCALE

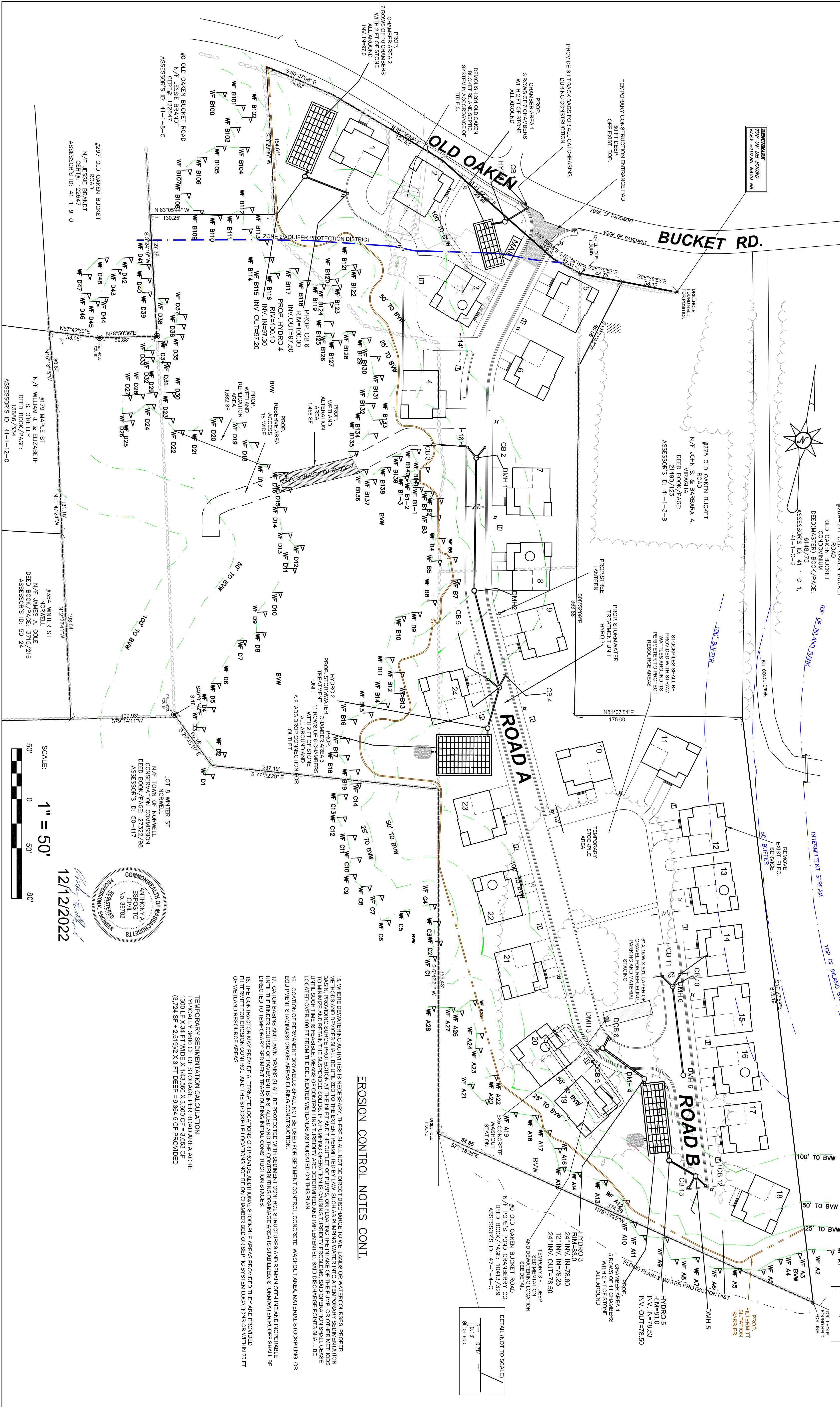
- PHASE OF CONSTRUCTION:
1. CONSTRUCT GRANTY SEWER MAIN
 2. COMMENCE FLOOR GRADING OF MAIN DRIVES
 3. CONSTRUCT DRAINAGE INFRASTRUCTURE
 4. CONSTRUCT WATER MAIN
 5. SET MAIN SEWER AND WATER SERVICE STUBS
 6. COMMENCE WORK ON SEPTIC SYSTEM AND PUMP STATION
 7. COMMENCE INSTALLATION OF UTILITIES INCLUDING GAS, ELECTRIC, CABLE AND INTERNET CONDUIT AND PEDIESTALS
 8. FINAL GRADING OF PAVES AND BASE COAT OF PUMP STATION AND SEPTIC SYSTEM
 9. COMMENCE DWELLING CONSTRUCTION WHICH INCLUDES INSTALLATION OF SEPTIC TANKS, UTILITY, WATER AND SEWER CONNECTIONS AND ROOF DRAINAGE SYSTEMS
 10. FINAL PAVING AND LANDSCAPING

EROSION CONTROL NOTES

- THE SITE CONTRACTOR AND THE OWNER SHALL BE RESPONSIBLE FOR THE OPERATIONS AND MAINTENANCE SCHEDULE (OMM) DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES AND STRUCTURES TO ENSURE THE PROPER CONSTRUCTION AND FUNCTION OF THE DRAINAGE SYSTEM. A CONSTRUCTION PERIOD STORMWATER POLLUTION PREVENTION PLAN PER US EPA METHODS REQUIREMENTS SHALL BE PREPARED PRIOR TO COMMENCE OF CONSTRUCTION.
1. PRIOR TO CONSTRUCTION EROSION CONTROL DEVICES SHALL BE INSTALLED PER THE APPROVED PLANS. EROSION CONTROL BARRIERS SHALL BE INSPECTED PRIOR TO LARGE STORM EVENTS 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 A STORM SHALL BE REPAIRED OR REPLACED IN A SHORT AND SWIFT MANNER SO AS TO PREVENT SEDIMENT FROM BYPASSING EROSION CONTROL BARRIERS.
 2. IN CONJUNCTION WITH THE CONSTRUCTION, ALL DRAINAGE STRUCTURES INCLUDING CATCH BASINS, STORM TANKS AND UNIT TANKS CHAMBER BESS SHALL BE CONSTRUCTED AND STABILIZED AS SOON AS POSSIBLE. CATCH BASINS SHALL BE PROTECTED WITH SILT SOCKS AS SHOWN ON THE DETAIL.
 3. THE CATCH BASINS AND STORM TANKS SHALL BE INSPECTED WEEKLY DURING CONSTRUCTION. ANY SEDIMENT BUILDUP OF EIGHT (8) INCHES OR MORE IN ANY OF THE STRUCTURES SHALL BE PROMPTLY REMOVED BY HAND OR MECHANICAL METHODS AND ALL DEBRIS REMOVED SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. PROTECT CATCH BASINS FROM RECEIVING SEDIMENT LOBBED FROM RUNOFF THAT MAY CLOG UNDERGROUND INFILTRATION SYSTEMS BY GRADING A GRAVEL SURROUND MAIN FROM THESE INLETS PRIOR TO PAVING.
 4. THE SITE SHALL BE INSPECTED WEEKLY OR AFTER ALL RAINFALL EVENTS GREATER THAN 1/4" INCH OF RAINFALL DEPTH, WHICHEVER OCCURS SOONER. ANY EROSION SHALL BE FILED AND REMEDIATED IN A MANNER TO PREVENT FURTHER EROSION.
 5. THE CONTRACTOR MAY SELECT FROM THOSE DETAILED FOR INDIVIDUAL AREAS THAT MAY BEST FIT HIGHER CONSTRUCTION OPERATIONS WHILE STILL MAINTAINING PROTECTIONS THAT MEET ALL CONTRACT AND REGULATORY REQUIREMENTS.
 6. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, WHENEVER INSIDE THE CONTRACT LIMIT LINE OR BEYOND, NOT COVERED BY BUILDINGS OR PAVEMENTS SHALL BE TOPSOILED AND SEEDED AS LAMM.
 7. THE CONTRACTOR SHALL MONITOR ALL NEW AND MODIFIED DRAINAGE STRUCTURES SWIMS WITHIN THE CONTRACT LIMITS AND SHALL PUMP SLURPS CLEAN OF SILT AND DEBRIS WHEN MORE THAN HALF FULL UNDER IMMEDIATELY PRIOR TO FINAL ACCEPTANCE.

8. AREAS THAT ARE NOT THE LOCATION OF ACTIVE CONSTRUCTION WHICH ARE LEFT BARE FOR OVER A MONTH BEFORE FINISHED GRADING AND SEEDING IS COMPLETED SHALL BE MULCHED OR RECEIVE TEMPORARY STABILIZATION SUCH AS JUTE MATING OR RECEIVE A TEMPORARY SEEDING. SEEDING SHALL BE APPLIED AS SEEDBED PREPARATION AT A RATE OF 90 LBS/1,000 SF 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-BORNE WOOD CHIP MULCH, FREE OF COARSE MATTER.
9. STABILIZATION OF SLOPES IN CUT AREAS (USING MULCH OR GRASS) AND THE INSTALLATION OF THE CONTROL LINE (FILTERMATT OR SILT FENCE) AT THE TOE OF SLOPE SHALL BE COMPLETED WITHIN FOURTEEN (14) DAYS OF COMPLETION.
10. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN. ALL LINEAR EROSION CONTROL STRUCTURES WILL BE REPLACED OR REPAIRED.
11. THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE SITE.
12. STOCKPILES OF SOIL SHALL BE SURROUNDED BY AN EROSION CONTROL BARRIER. SOIL STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS. THE BARRIERS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH. IF SOIL STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS, THE BARRIERS SHALL BE COVERED WITH GEOTEXTILE AND MULCH (NOT EXCEED 2").
13. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF THE CONTRACT. DUST CONTROL PREVENT A HAZARD TO TRAFFIC.

NOTE:
TOP OF INLAND SINK LOCATED BY INSTRUMENT SURVEY BY THIS FIRM, JANUARY 11, 2020.



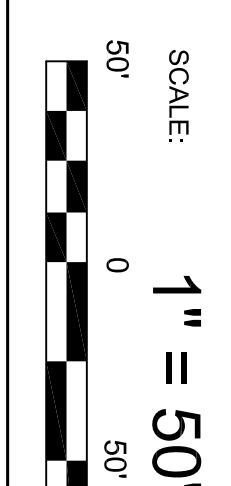
EROSION CONTROL NOTES CONT.

14. WHERE DEWATERING ACTIVITIES IS NECESSARY, THERE SHALL NOT BE DIRECT DISCHARGE TO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT OF THE CAPABILITY OF THE EQUIPMENT 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 FT FROM THE DEWATERED WETLANDS AS INDICATED ON THIS PLAN.
15. LOCATION OF PERMANENT DRYWELLS SHALL NOT BE USED FOR SEDIMENT CONTROL. CONCRETE WASHOUT AREA MATERIAL STOCKPILING OR EQUIPMENT STORAGE AREAS DURING CONSTRUCTION.
16. THE COURSE OF PAVEMENT IS INSTALLED AND THE CONTRIBUTING DRAINAGE AREAS STABILIZED, STORMWATER RUNOFF SHALL BE DIRECTED TO TEMPORARY SEDIMENT TRAPS DURING INITIAL CONSTRUCTION STAGES.
17. THE CONTRACTOR MAY PROVIDE ALTERNATE LOCATIONS OR PROVIDE ADDITIONAL STOCKPILE AREAS PROVIDED THEY ARE PROTECTED FROM EROSION CONTROL. AND THE STOCKPILE LOCATIONS NOT BE ON CHAMBER BED OR SEPTIC SYSTEM LOCATIONS OR WITHIN 25 FT OF WETLAND RESOURCE AREAS.

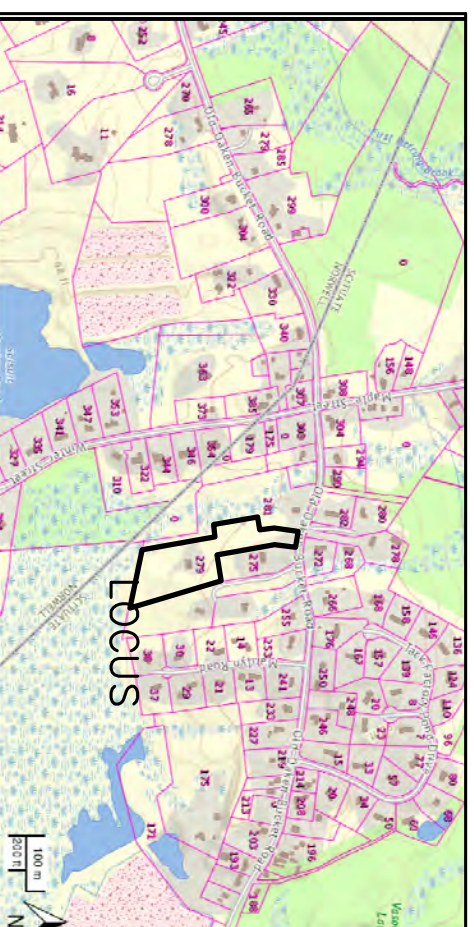
TEMPORARY SEDIMENTATION CALCULATION
 1300 LF X 54" WIDE X 3.05965 X 5.30 CF = 3,853.5 CF
 (3.724 SF + 2.519) X 3 FT DEEP = 9,984.5 CF PROVIDED



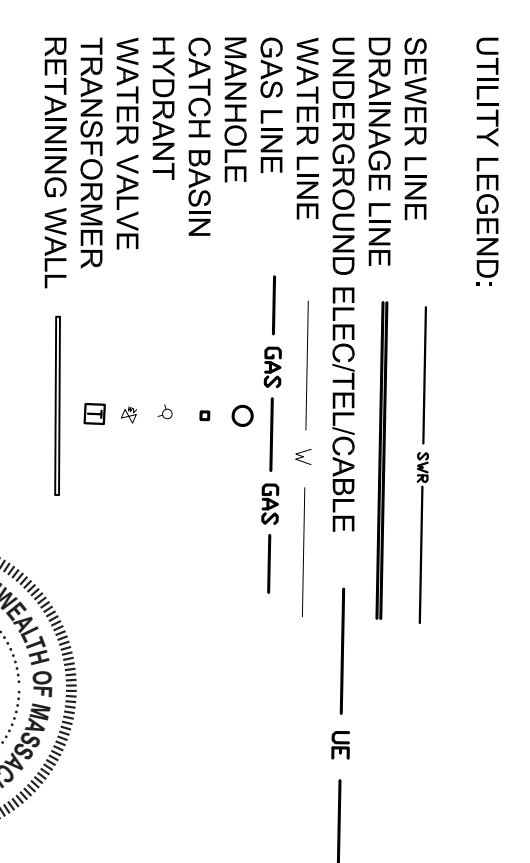
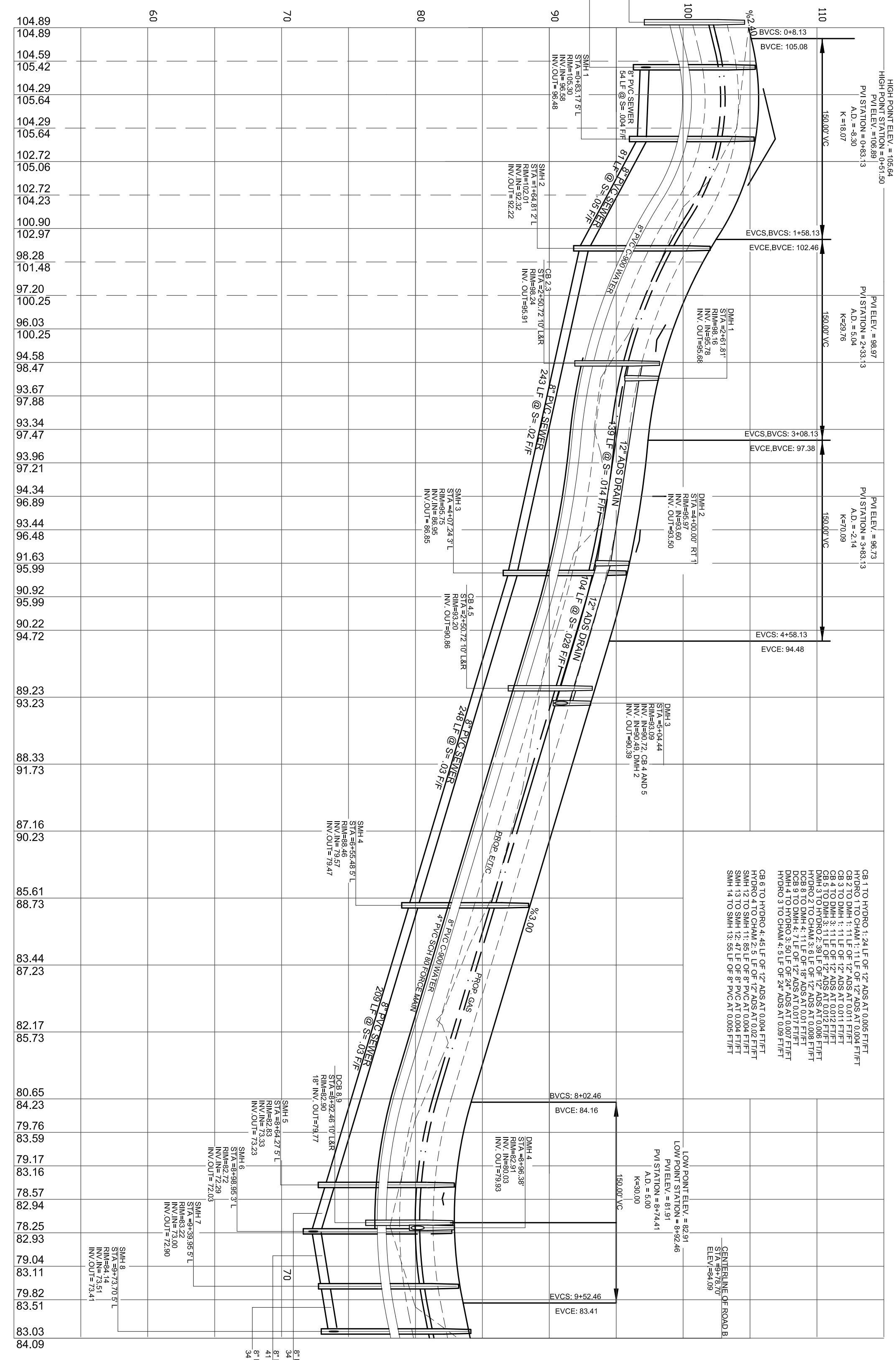
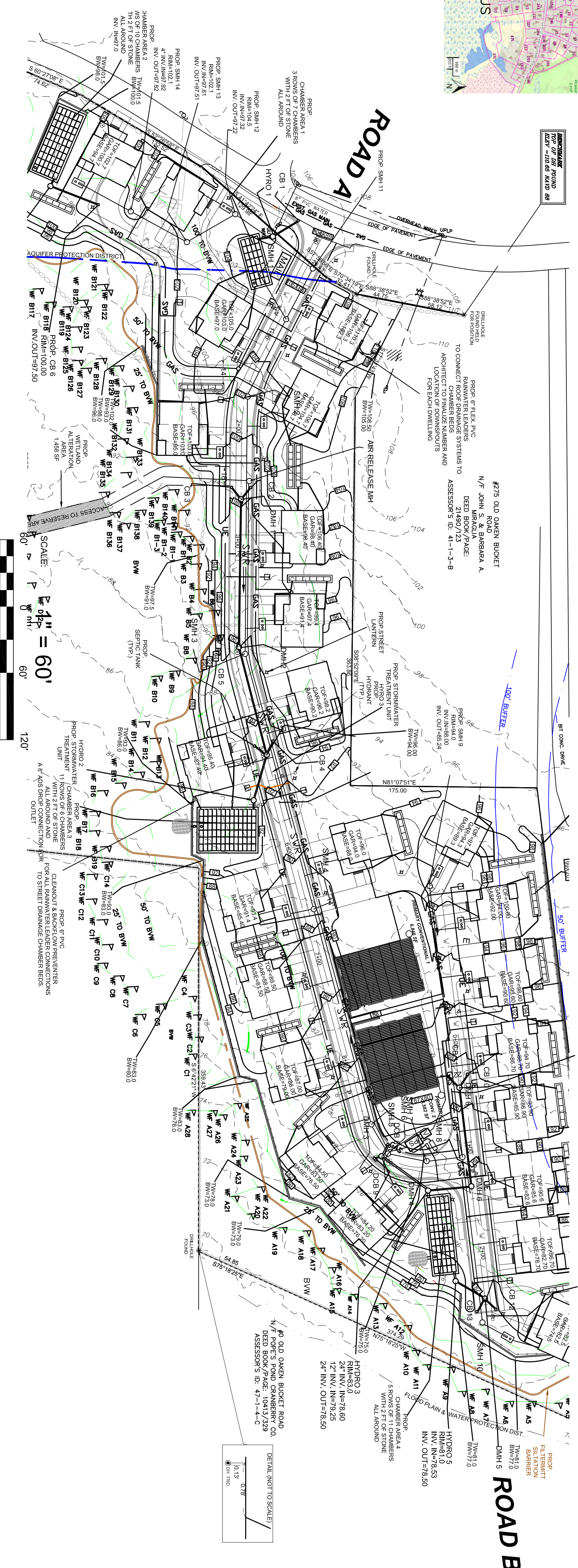
12/12/2022



REVISIONS:	No.	DESCRIPTION	DATE
PROJECT TITLE:	THE COTTAGES AT OLD OAKEN BUCKET AT #279-281 OLD OAKEN BUCKET ROAD SCITUATE, MA		
PREPARED BY:	EROSION CONTROL PLAN		
PREPARED FOR:	PARCEL 41-1-3-D PARCEL 41-1-3-0		
REGISTERED LAND SURVEYORS & CIVIL ENGINEERS	South Shore Surveyors, Inc. 167 R SUMMER STREET KINGSTON, MA 02364 781-582-2185 mark@sssurvey.net		
PREPARED FOR:	LOVEDALE, LLC S/O SALT MEADOW DEVELOPMENT 107 EAST STREET DUXBURY, MA 02332		
DATE:	DECEMBER 12, 2022		
COMP/DESIGN:	A. ESPOSITO		
CHECK:	M. D. CASEY		
DRAWN:	A. ESPOSITO		
FIELD:	LILIPS		
APPROVED:	M. D. CASEY		
DWG. NO.	1908	ERP	
SHEET	5	OF	16



LOCUS MAP
NOT TO SCALE



COMMONWEALTH OF MASSACHUSETTS
REGISTERED PROFESSIONAL ENGINEER
ANTHONY A. ESPOSITO
No. 201762
781-582-2185
mark@ssscinc.net

12/12/2022

DOB, DOUBLE CATCH BASIN
CB, CATCH BASIN
DMH-DRAIN MANHOLE
HYDRO-PROPRIETARY TREATMENT UNIT

REVISIONS: No. DESCRIPTION DATE

PROJECT TITLE: THE COTTAGES AT OLD OAKEN BUCKET AT #279-281 OLD OAKEN BUCKET ROAD SCITUATE, MA

PREPARED BY: PARCEL 41-1-3-D PARCEL 41-1-3-0

PREPARED FOR: **South Shore Surveyors, Inc.**
REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
167 R SUMMER STREET
KINGSTON, MA 02364
781-582-2185
mark@ssscinc.net

PREPARED FOR: **LOVEDALE, LLC**
S/O SALT MEADOW DEVELOPMENT
107 EAST STREET
DUXBURY, MA 02532

SCALE: 1" = 60'

DATE: DECEMBER 12, 2022

COMP/DESIGN: A. ESPOSITO

CHECK: M. D. CASEY

DRAWN: A. ESPOSITO

FIELD: LILUPS

APPROVED: M. D. CASEY

DWG. NO. 1908 P&A

JOB NO. 1908

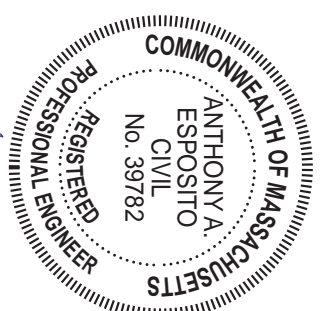
SHEET 6 OF 16



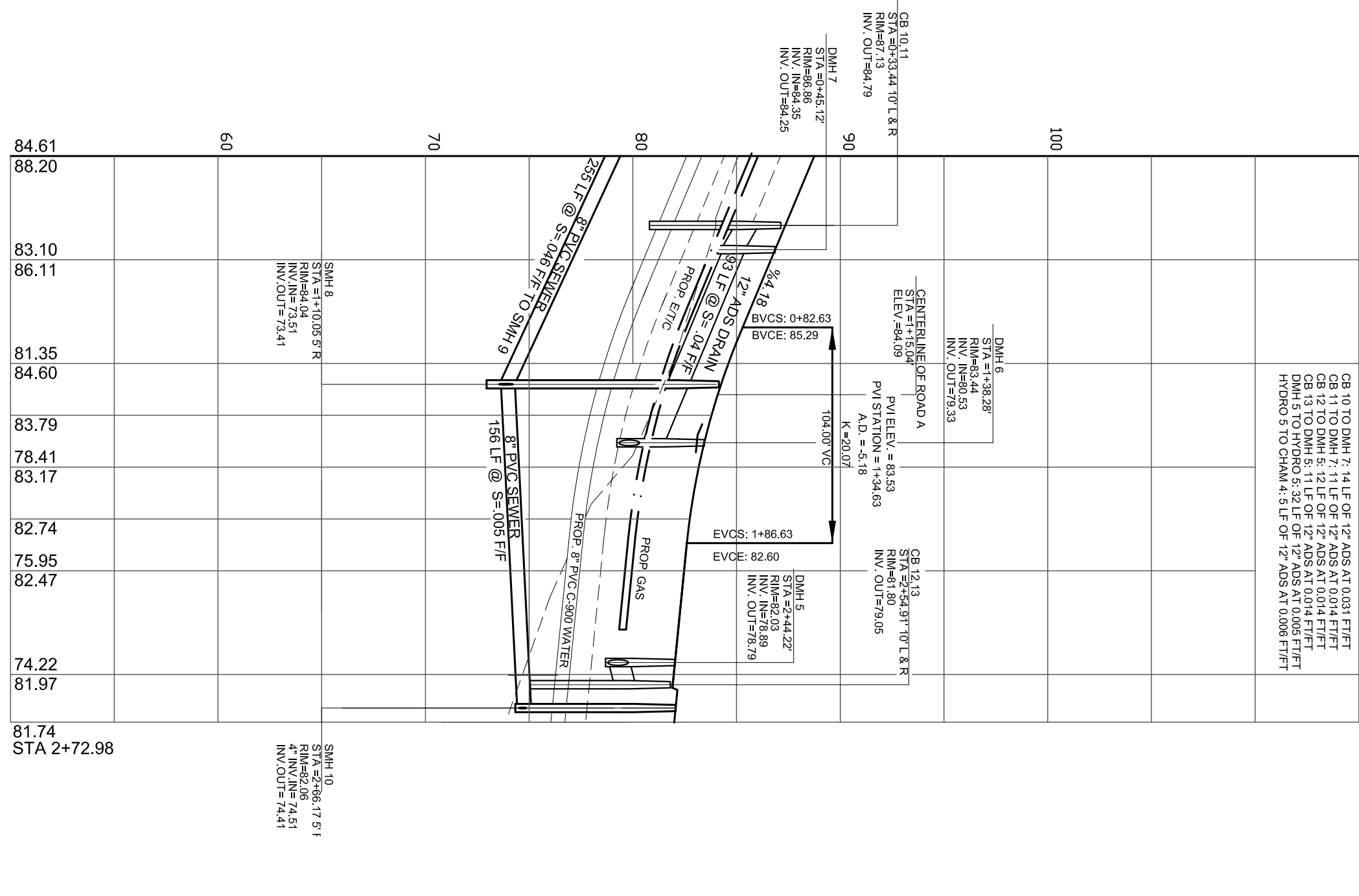
LOCUS MAP
NOT TO SCALE



- UTILITY LEGEND:
- SEWER LINE — SW —
 - DRAINAGE LINE ————
 - UNDERGROUND ELECTRICAL — UE —
 - WATER LINE — W —
 - GAS LINE — GAS —
 - MANHOLE ○
 - CATCH BASIN □
 - HYDRANT ◊
 - WATER VALVE ◊
 - TRANSFORMER □
 - RETAINING WALL ————



12/12/2022



SCALE: HORIZONTAL 1" = 60'
VERTICAL 1" = 8'

DCP, DOUBLE CATCH BASIN
CB, CATCH BASIN
DMH-ORAIN MANHOLE
HYRO, TSS TREATMENT UNIT

REVISIONS:	DESCRIPTION	DATE
No.		

PROJECT TITLE:

**THE COTTAGES
AT
OLD OAKEN BUCKET
AT
#279-281 OLD OAKEN
BUCKET ROAD
SCITUATE, MA**

**PLAN &
PROFILE
ROAD B**

PARCEL 41-1-3-D
PARCEL 41-1-3-0

PREPARED BY:
**South
Shore
Surveyors, Inc.**
CONSULTANTS, INC.
REGISTERED LAND SURVEYORS
& CIVIL ENGINEERS
167 R SUMMER STREET
KINGSTON, MA 02364
781-582-2185
mark@sssscinc.net

PREPARED FOR:
LOVEDALE, LLC
S/O SALT MEADOW DEVELOPMENT
107 EAST STREET
DUXBURY, MA 02332

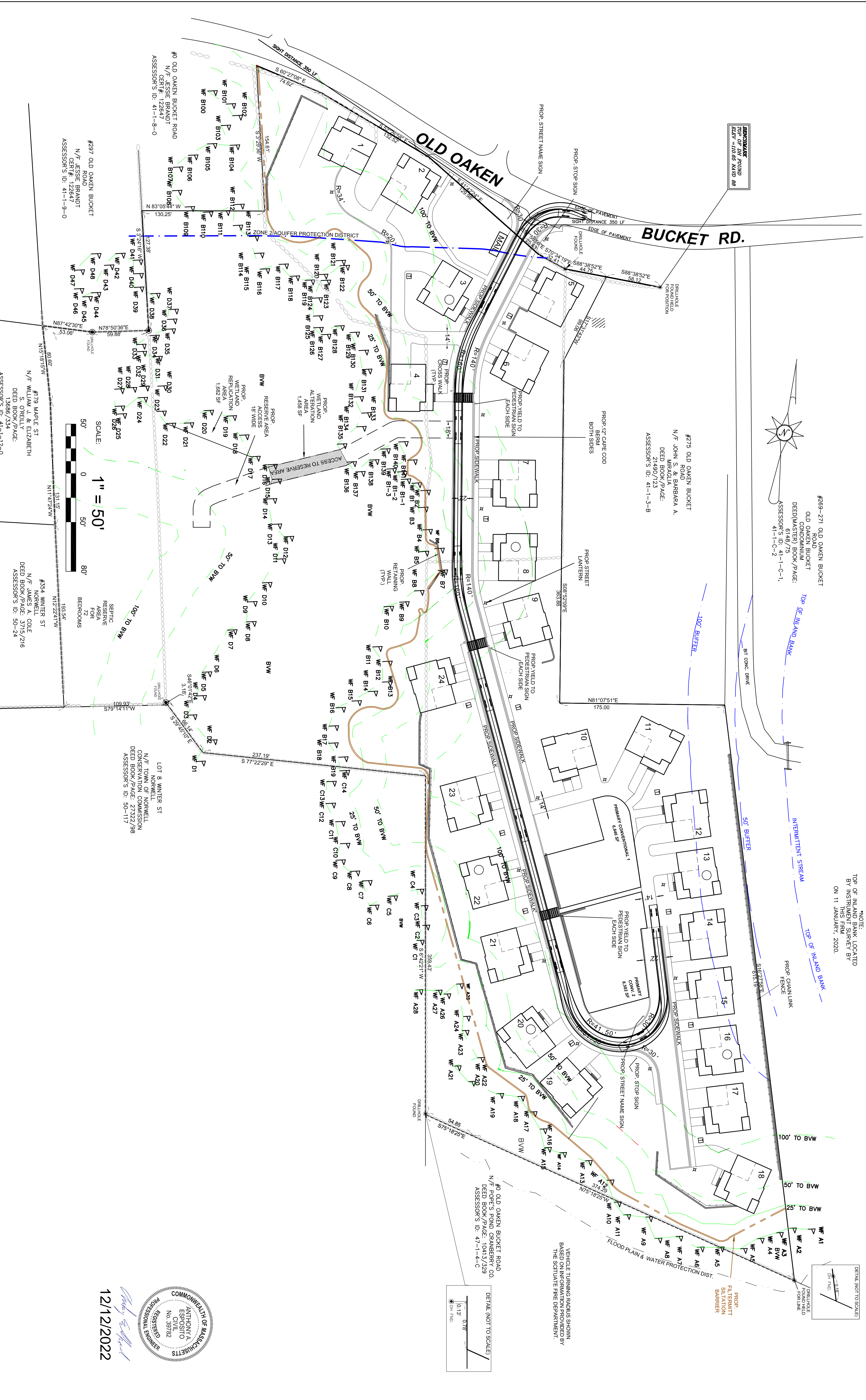
SCALE: **1" = 60'**



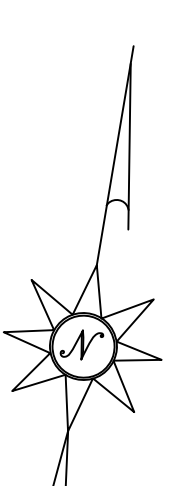
DATE: DECEMBER 12, 2022
COMP/DESIGN: A. ESPOSITO
CHECK: M. D. CASEY
DRAWN: A. ESPOSITO
FIELD: LILUPS
APPROVED: M. D. CASEY
DWG. No. 1908 PRB
JOB No. 1908
SHEET 7 OF 16



LOCUS MAP



NOTE:
TOP OF INLAND BANK LOCATED BY INSTRUMENT SURVEY BY THIS FIRM, 2020.
ON 11 JANUARY, 2020.



#269-271 OLD OAKEN BUCKET ROAD
OLD OAKEN BUCKET DEED (MASTERS) BOOK/PAGE: 6148/75
ASSESSOR'S ID: 41-1-C-1, 41-1-C-2

#275 OLD OAKEN BUCKET ROAD
N/F JOHN S. & BARBARA A. DEED BOOK/PAGE: 21490/23
ASSESSOR'S ID: 41-1-3-8

#297 OLD OAKEN BUCKET ROAD
N/F JESSE BRANDT CERT# 122647
ASSESSOR'S ID: 41-1-8-0

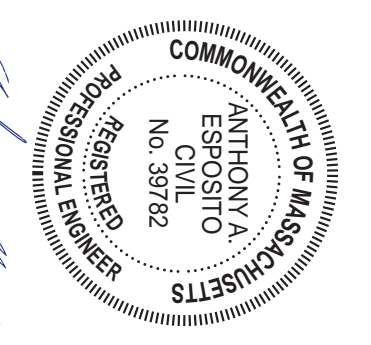
#297 OLD OAKEN BUCKET ROAD
N/F JESSE BRANDT CERT# 122647
ASSESSOR'S ID: 41-1-9-0

#179 MAPLE ST
N/F WILLIAM J. & ELIZABETH DEED BOOK/PAGE: 13686/234
ASSESSOR'S ID: 41-1-12-0

#354 WINTER ST
N/F JAMES A. COLE DEED BOOK/PAGE: 50-216
ASSESSOR'S ID: 50-216

LOT 8 WINTER ST
NORWELL, MASSACHUSETTS
N/F TOWN OF NORWELL CONSERVATION COMMISSION DEED BOOK/PAGE: 27322/99
ASSESSOR'S ID: 50-117

SCALE: 1" = 50'
0 50' 80'



12/12/2022

REVISIONS:	No.	DESCRIPTION	DATE

PROJECT TITLE:

THE COTTAGES AT OLD OAKEN BUCKET AT #279-281 OLD OAKEN BUCKET ROAD SCITUATE, MA

EMERGENCY VEHICLE MOVEMENT PLAN

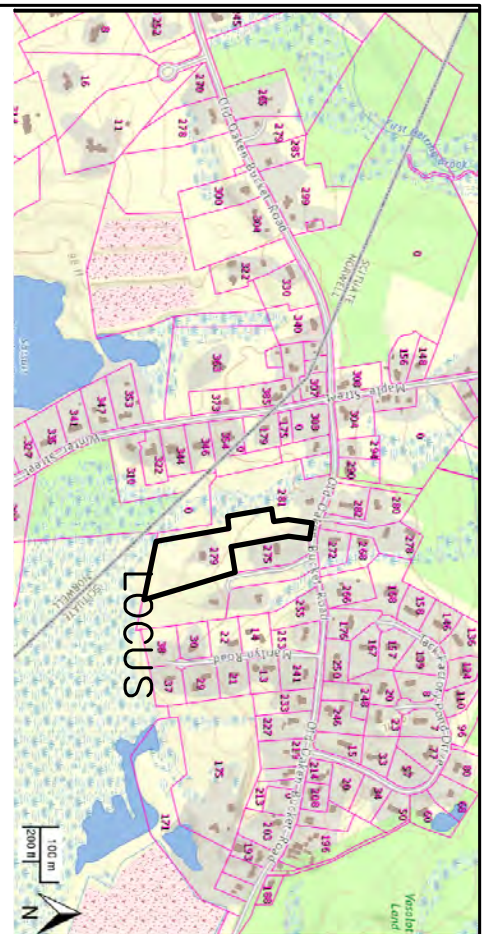
PARCEL 41-1-3-D
PARCEL 41-1-3-0

PREPARED BY:
South Shore Surveyors, Inc.
REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
167 R SUMMER STREET
KINGSTON, MA 02364
781-582-2185
mark@ssocinc.net

PREPARED FOR:
LOVEDALE, LLC
S/O SALT MEADOW DEVELOPMENT
107 EAST STREET
DUXBURY, MA 02332

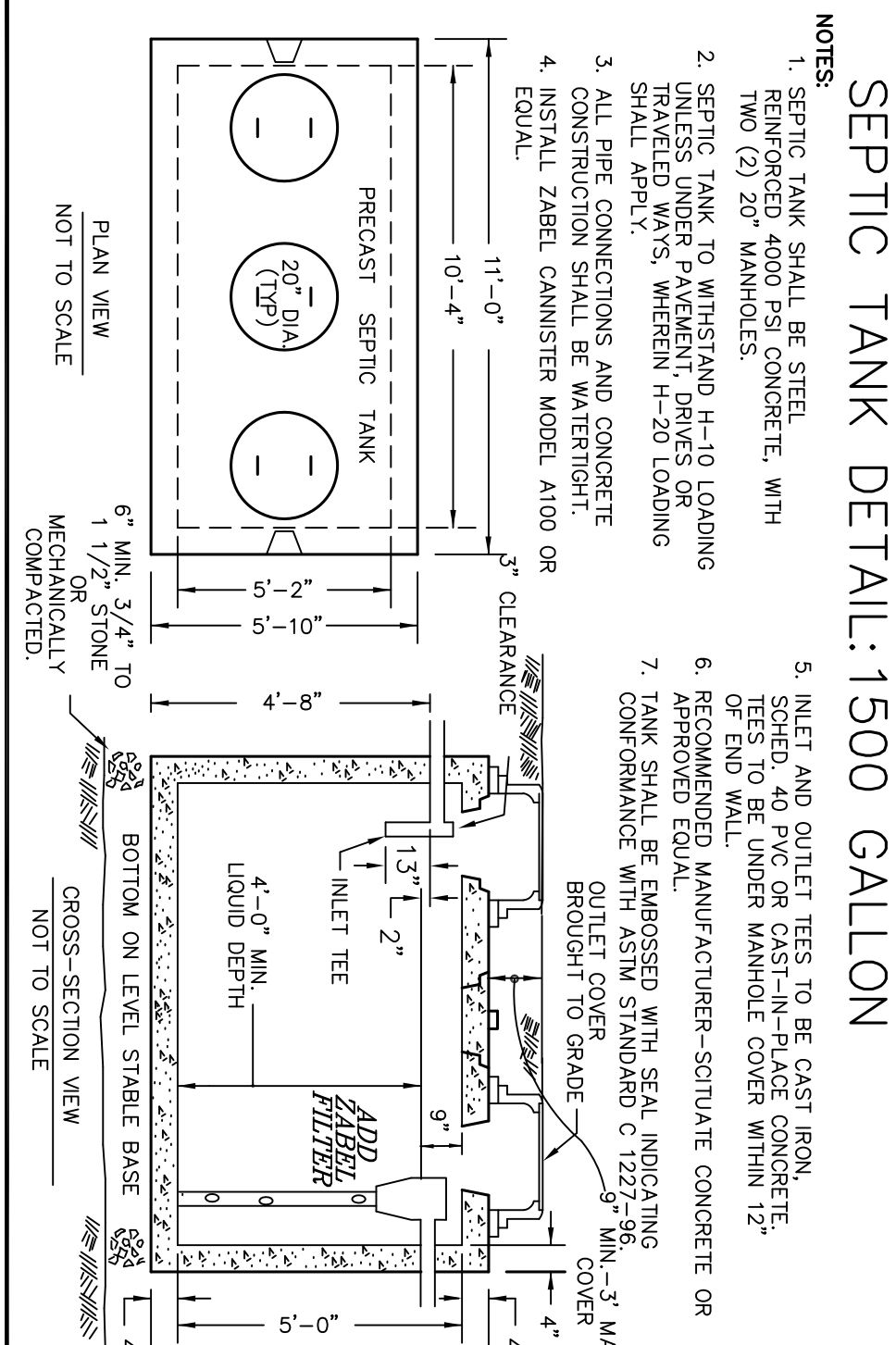
SCALE: 1" = 50'
0 50' 80'

DATE:	DECEMBER 12, 2022
COMP/DESIGN:	A. ESPOSITO
CHECK:	M. D. CASEY
DRAWING:	A. ESPOSITO
FIELD:	LILUPS
APPROVED:	M. D. CASEY
DWG. NO.	1908 FAC
JOB NO.	1908
SHEET	8 OF 16



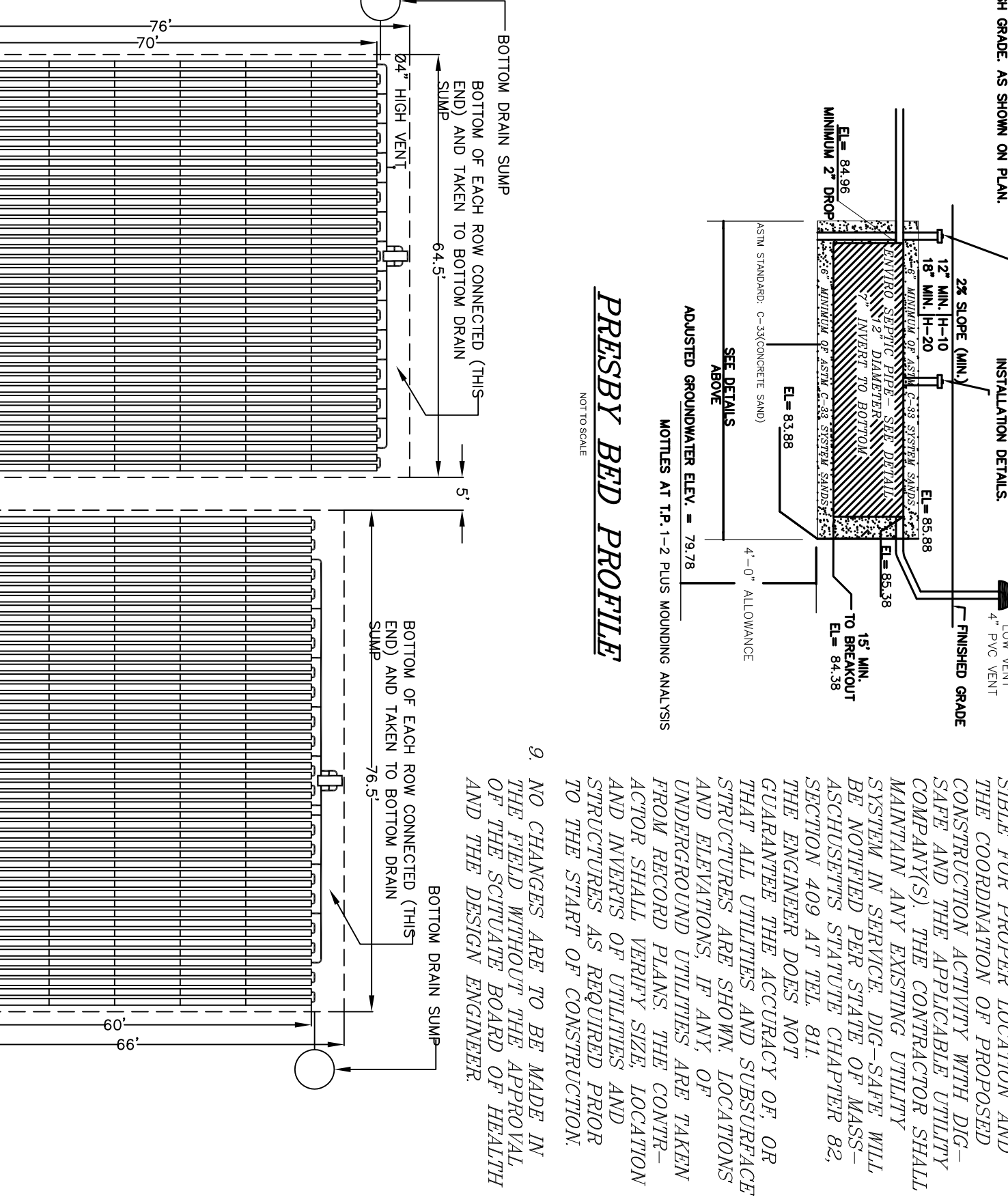
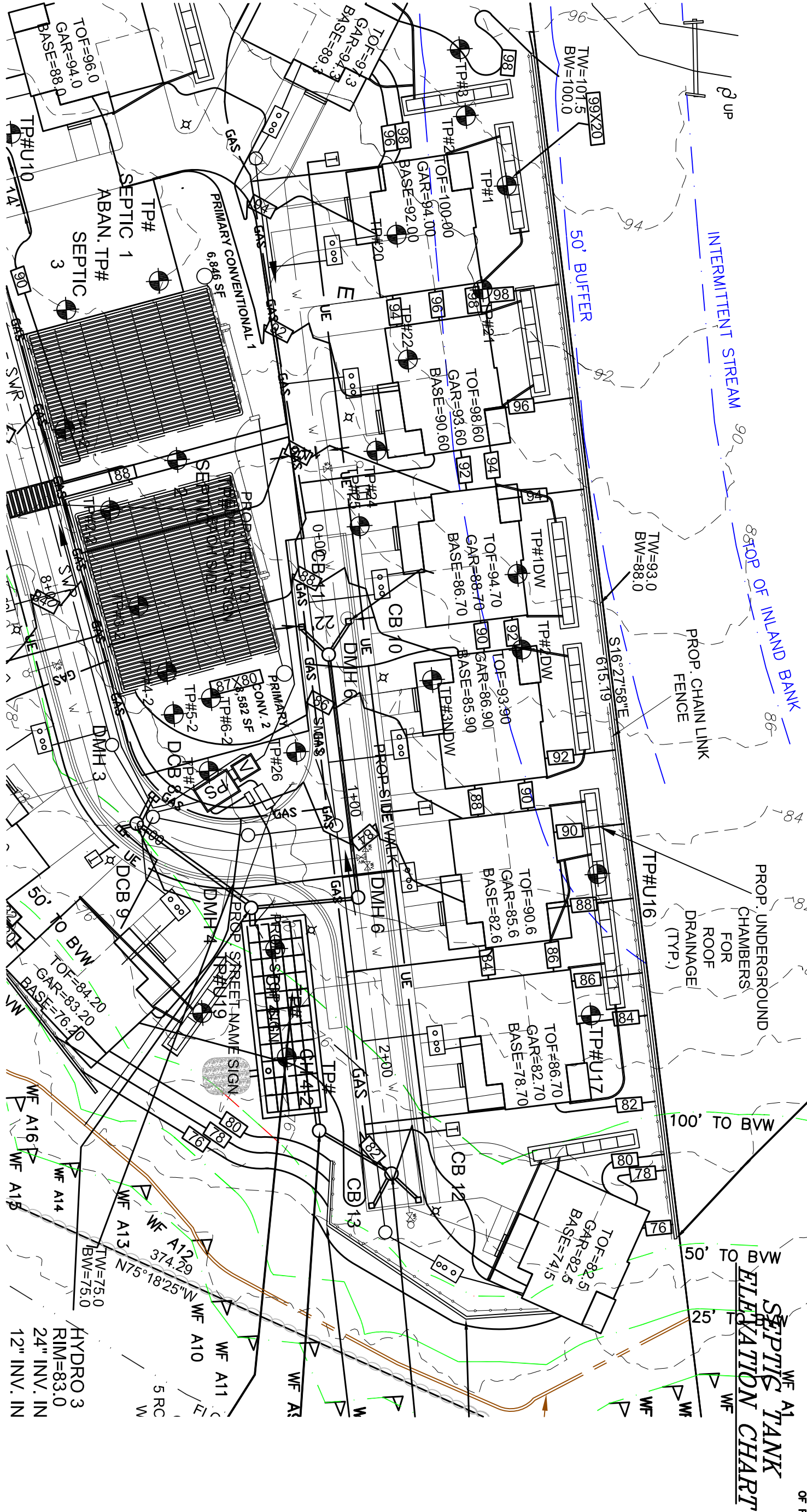
LOCUS MAP NOT TO SCALE

CONSTRUCTION NOTES
 1) INSPECTION POINT SHALL CORRELATE TO 310-CR-15240 103.
 2) MANHOLE TO BE PROVIDED ON TOP OF ALL LEACHING
 3) MANHOLE TO BE PROVIDED ON TOP OF ALL LEACHING
 4) MANHOLE TO BE PROVIDED ON TOP OF ALL LEACHING

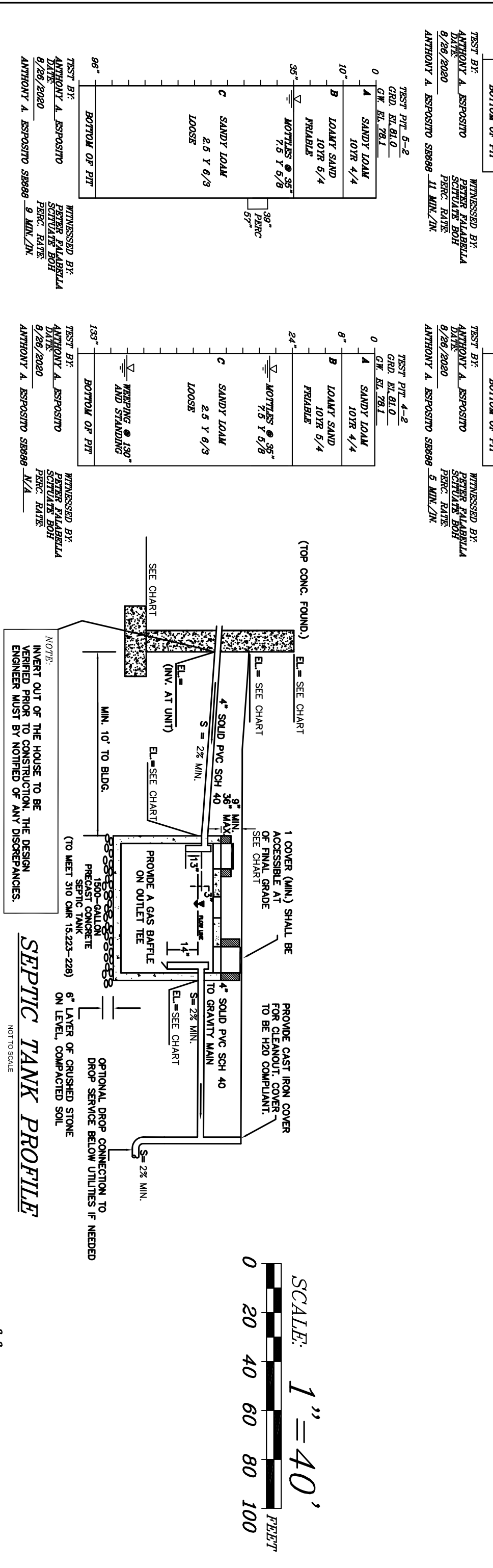


DWELL	INV. OUT	TANK IN	TANK OUT	FIN. GRD.	TOP OF FND.	TOP OF BASE SLAB	TOP OF TANK
1	99.53	99.13	98.88	100.50	101.60	93.60	98.00
2	99.77	99.55	99.30	103.00	104.00	96.00	99.50
3	100.80	100.50	100.25	104.10	105.00	97.00	101.60
4	96.95	96.50	96.25	100.00	102.00	94.00	97.50
5	104.63	104.33	104.08	105.83	107.00	102.30	103.33
6	98.34	98.00	97.75	101.50	103.00	98.40	99.00
7	99.40	99.00	98.75	101.50	103.00	98.40	99.00
8	93.74	93.10	92.85	96.60	98.40	94.10	94.10
9	91.96	90.50	90.25	94.00	96.00	90.20	91.50
10	96.82	96.50	96.25	99.00	100.00	96.00	98.00
11	90.88	90.50	90.25	94.00	97.50	93.00	94.50
12	90.28	90.00	89.75	93.50	92.00	92.00	92.00
13	88.78	88.00	87.75	92.00	98.00	90.60	91.50
14	84.96	84.70	84.45	88.20	88.20	85.90	85.70
15	82.78	82.00	81.75	86.00	86.00	83.50	83.50
16	82.78	82.00	81.75	84.00	84.00	81.50	81.50
17	79.98	79.30	79.05	82.80	86.70	82.60	83.00
18	78.98	78.00	77.75	81.50	82.50	79.00	79.00
19	80.28	79.80	79.55	83.50	84.20	76.20	80.80
20	80.50	79.80	79.55	83.50	84.50	76.50	80.00
21	81.34	81.00	80.75	84.50	87.00	79.00	82.00
22	82.64	82.30	82.05	86.80	89.50	81.50	84.30
23	85.68	85.40	85.15	88.90	93.40	85.40	86.40
24	90.82	90.50	90.25	94.00	95.40	87.40	91.50

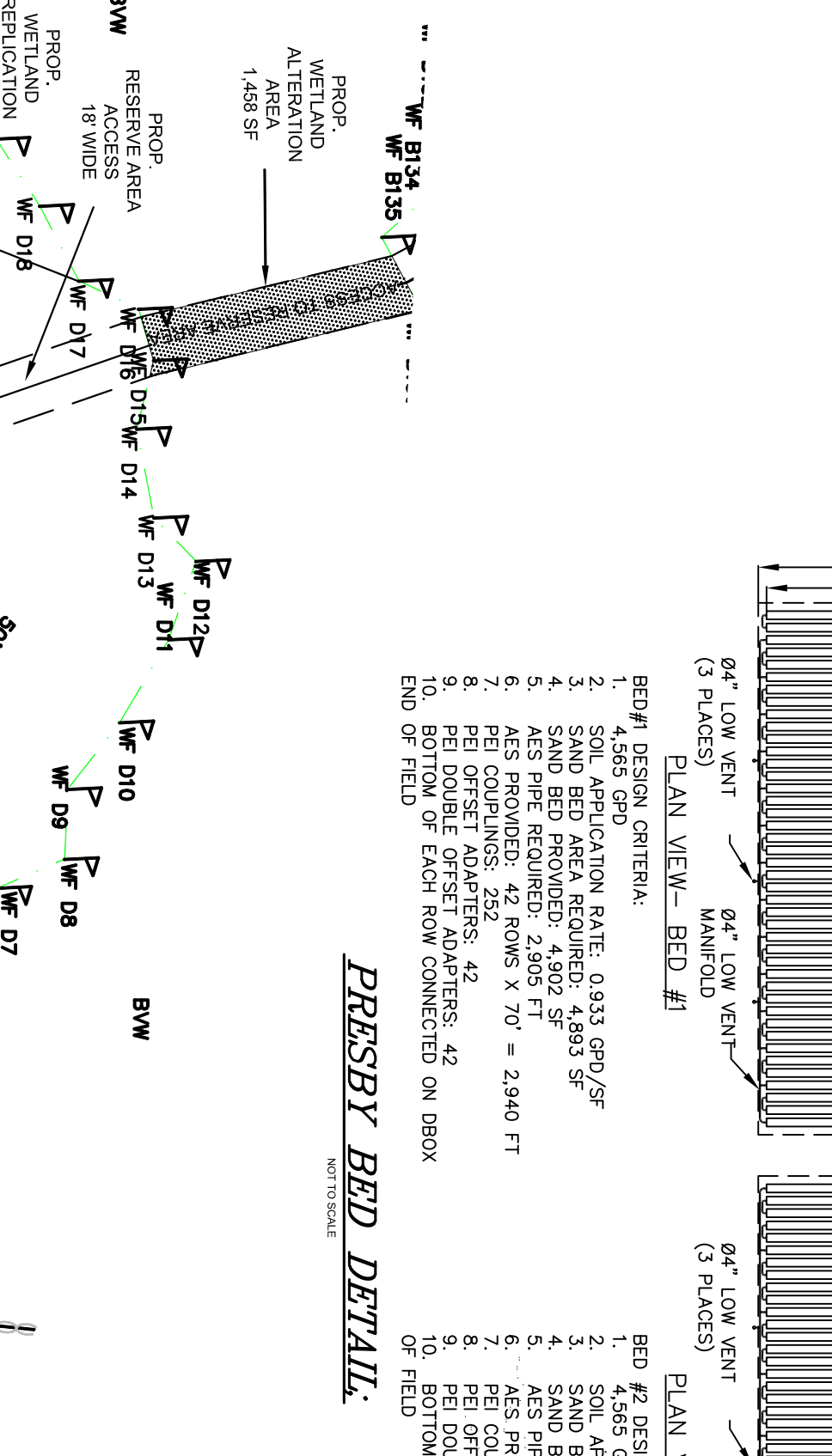
GENERAL NOTES:
 1. THIS PLAN IS FOR DESIGN AND CONSTRUCTION OF THE SEWAGE DISPOSAL FACILITY ONLY.
 2. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO MASS D.E.P. TITLE 5 AND LOCAL BOARD OF HEALTH REGULATIONS.
 3. ALL PIPES SHALL BE 4" PVC SCH 40 OR EQUAL.
 4. THERE ARE NO KNOWN WELLS LOCATED WITHIN 150 FT OF THE PROPOSED LEACHING FACILITY NOR ANY WELLS PROPOSED WITHIN 150 FT OF ANY KNOWN LEACHING FACILITY.
 5. THIS SYSTEM IS NOT DESIGNED FOR THE USE OF A GARAGE GRINDER WITHIN LIMIT OF EXCAVATION (REMOVAL OF UNSUITABLE MATERIAL BELOW EXISTING GRADE).
 6. REPLACE WITH CLEAN WASHED SAND OR OTHER CLEAN GRANULAR MATERIAL IN CONTROL DRAIN WITH 3/10 GAIR 15-255.
 7. EXISTING UTILITIES AS SHOWN ON THIS DRAWING ARE APPROXIMATE. THE ENGINEER HAS CONDUCTED VISUAL SURVEY FOR PROPER LOCATION AND THE COORDINATION OF PROPOSED CONSTRUCTION ACTIVITY WITH DISESAFE AND THE APPLICABLE UTILITY COMPANIES. ANY EXISTING UTILITY SHALL MAINTAIN ANY EXISTING UTILITY WILL BE MAINTAINED. THE ENGINEER WILL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND STATUTE CHAPTER 82, SECTION 409 AT TEL 811.
 8. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF OR THAT ALL UTILITIES AND SUBSURFACE STRUCTURES ARE SHOWN AND LOCATIONS AND DEPTHS. THE ENGINEER HAS TAKEN FROM RECORD PLANS THE CONTOUR AND INVERTS OF UTILITIES AND STRUCTURES AS REQUIRED PERIOR TO THE START OF CONSTRUCTION.
 9. NO CHANGES ARE TO BE MADE IN THE FIELD WITHOUT THE APPROVAL OF THE SCHEMATIC BOARD OF HEALTH AND THE DESIGN ENGINEER.



DESIGN CRITERIA:
DESIGN FLOW PER TITLE 5: 1,920 G.P.D.
12 BEDROOMS AT 150 G.P.D.
REQUIRED SEPTIC TANK PER STRUCTURE: 7,920 GALS
SEPTIC TANKS PROVIDED: 15,840 GALS
SIZE OF LEACHING FACILITY REQUIRED: 38,000 GAL.
DESIGN PERC RATE: 11 MIN./IN.
CLASS. II SOIL: 0.56 COLDF.
7,920 (1.56 x 14,143 S.F. (MIN))
CONVENTIONAL SYSTEM
15,428 SF PROVIDED
USE PRESBYRY SYSTEM
667 SF FOR 6 BEDROOMS + 168 BEDROOMS
X 9.50 SF = 6,337 SF OF BED
2,940 LF x 3,000 LF = 8,820 LF
5,700 LF PROVIDED
3,671 SF x 4.30 SF = 15,840 SF PROVIDED
CLASS. II SOIL: 0.56 COLDF.
7,920 (1.56 x 14,143 S.F. (MIN))
CONVENTIONAL SYSTEM
15,428 SF PROVIDED



SCALE: 1" = 40'
 0 20 40 60 80 100 FEET



DESIGN CRITERIA:
DESIGN FLOW PER TITLE 5: 1,920 G.P.D.
12 BEDROOMS AT 150 G.P.D.
REQUIRED SEPTIC TANK PER STRUCTURE: 7,920 GALS
SEPTIC TANKS PROVIDED: 15,840 GALS
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7,920 (1.56 x 14,143 S.F. (MIN))
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15,428 SF PROVIDED
USE PRESBYRY SYSTEM
667 SF FOR 6 BEDROOMS + 168 BEDROOMS
X 9.50 SF = 6,337 SF OF BED
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3,671 SF x 4.30 SF = 15,840 SF PROVIDED
CLASS. II SOIL: 0.56 COLDF.
7,920 (1.56 x 14,143 S.F. (MIN))
CONVENTIONAL SYSTEM
15,428 SF PROVIDED

REVISIONS:
 NO. DESCRIPTION DATE

PROJECT TITLE:
 THE COTTAGES AT OLD OAKEN BUCKET AT #279-281 OLD OAKEN BUCKET ROAD SCITUATE, MA

SEPTIC SYSTEM DESIGN PLAN

PREPARED BY:
 CONSULTANTS, INC.
 REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
 167 R SUMMER STREET
 KINGSTON, MA 02364
 781-582-2185
 mark@sscinc.net

DATE: DECEMBER 12, 2022
 COMP. DESIGN: A. ESPPOSITO
 CHECK: M. D. CASEY
 DRAWN: A. ESPPOSITO
 FIELD: LILIPS
 APPROVED: M. D. CASEY
 DWG. NO. 1909 SEP

PREPARED FOR:
 LOVEDALE, LLC
 S/O SALT MEADOW DEVELOPMENT
 DIXBORO, MA 02532

SCALE: 1" = 40'
 0 40 80

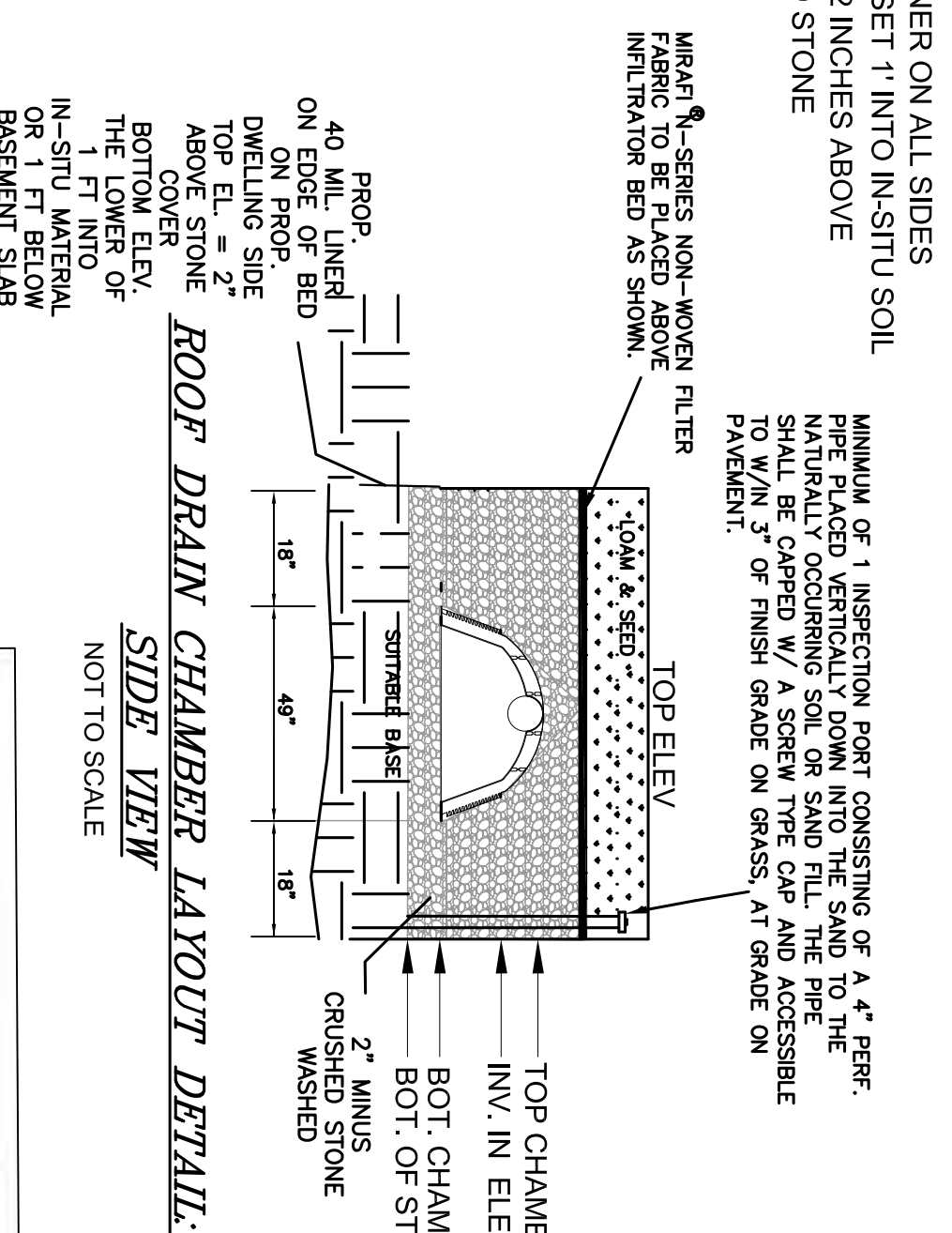
DATE: DECEMBER 12, 2022
 COMP. DESIGN: A. ESPPOSITO
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 FIELD: LILIPS
 APPROVED: M. D. CASEY
 DWG. NO. 1909 SEP

JOB NO. 1908

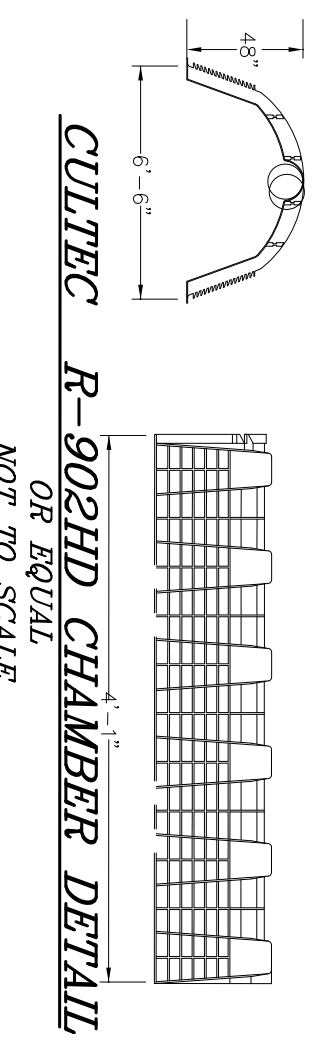
9 OF 16 SHEET

DWELL	A	B	C	D	TOP MIN. GROUND WATER
1	100.00	96.00	96.00	95.50	101.00
2	102.50	98.60	98.50	98.00	100.35
4	99.60	96.60	95.80	95.10	100.35
5	107.20	106.70	103.20	103.20	108.70
6	103.60	102.60	99.60	99.10	104.60
7	103.60	100.60	99.60	99.10	104.60
8	98.60	95.60	94.60	94.10	99.60
9	95.10	91.10	91.10	90.60	96.10
10	94.10	91.10	90.10	89.60	95.10
11	97.30	93.30	93.30	92.80	98.30
12	98.00	96.00	94.00	93.50	99.00
13	95.80	94.80	92.30	91.80	96.80
14	91.00	90.00	87.50	87.00	92.00
15	91.00	89.00	87.50	87.00	92.00
16	86.10	84.10	82.10	81.60	87.10
17	83.30	80.30	79.30	78.80	84.30
18	79.40	78.40	75.40	74.90	80.40
19	80.80	78.80	76.80	76.30	81.80
20	81.60	77.60	77.60	77.10	82.60
21	84.60	83.60	80.60	80.10	85.60
22	86.10	83.10	82.10	81.60	87.10
23	86.10	83.10	82.10	81.60	87.10

ROOF DRAIN CHAMBER ELEVATION CHART



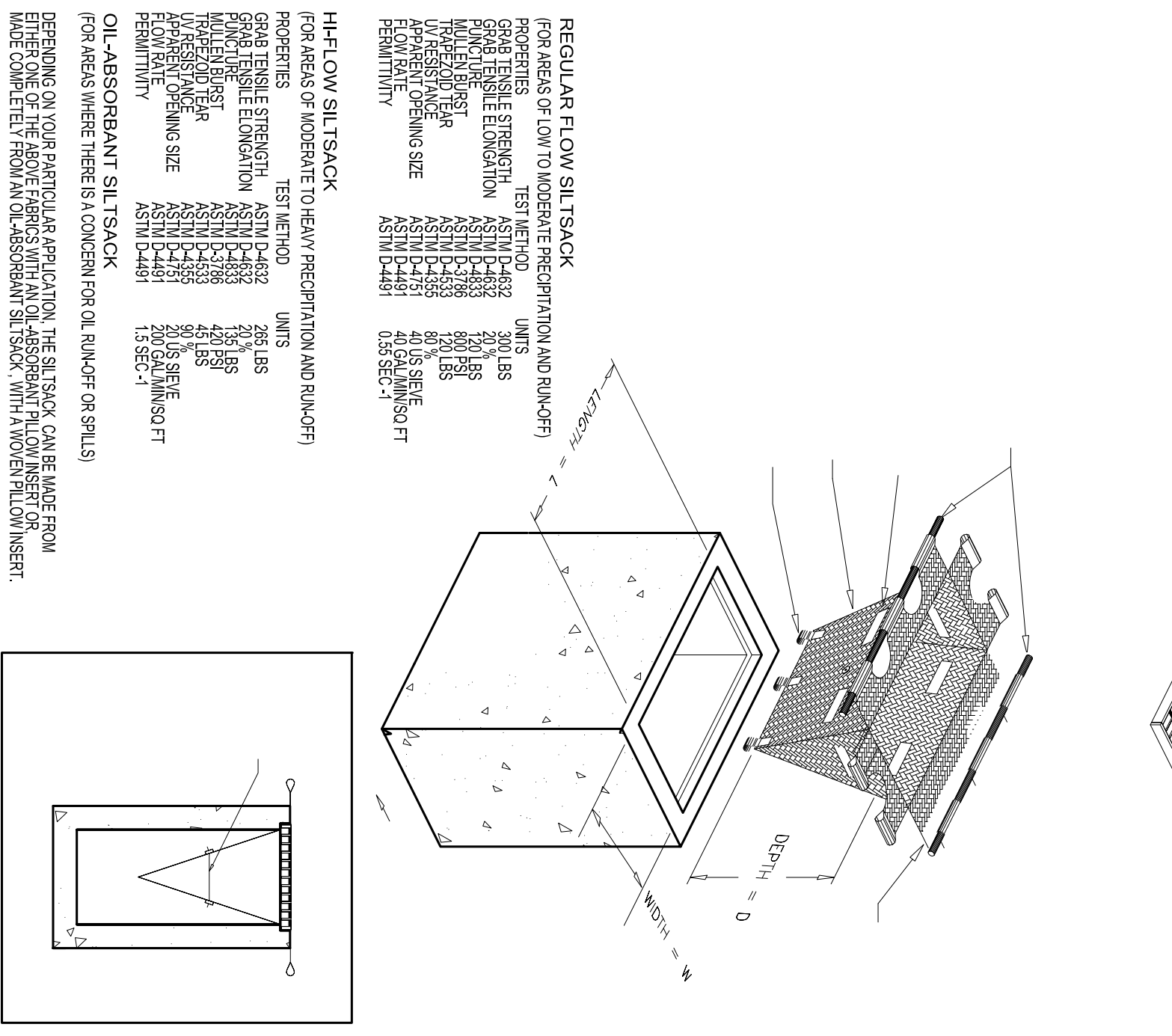
ROOF DRAIN CHAMBER LAYOUT DETAIL SIDE VIEW



CUTTEC R-902HD CHAMBER DETAIL

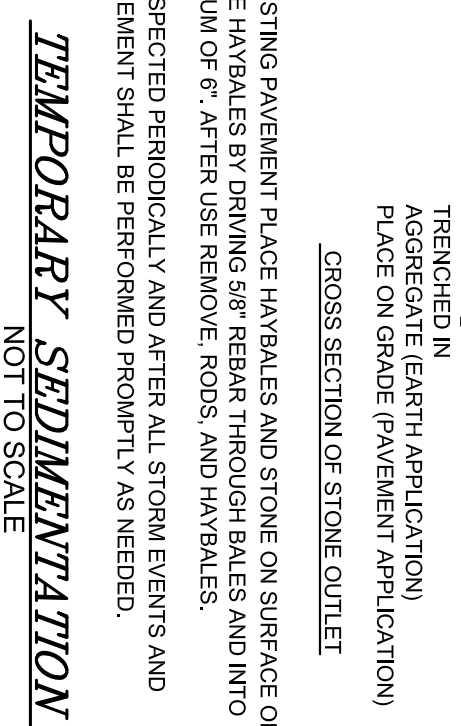
OR EQUAL NOT TO SCALE

SILT SACK SPECIFICATIONS
NOTE: THE SILT SACK WILL BE SUPPLIED FROM AN APPROVED MANUFACTURER THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:



SILT SACK DETAIL

NOT TO SCALE



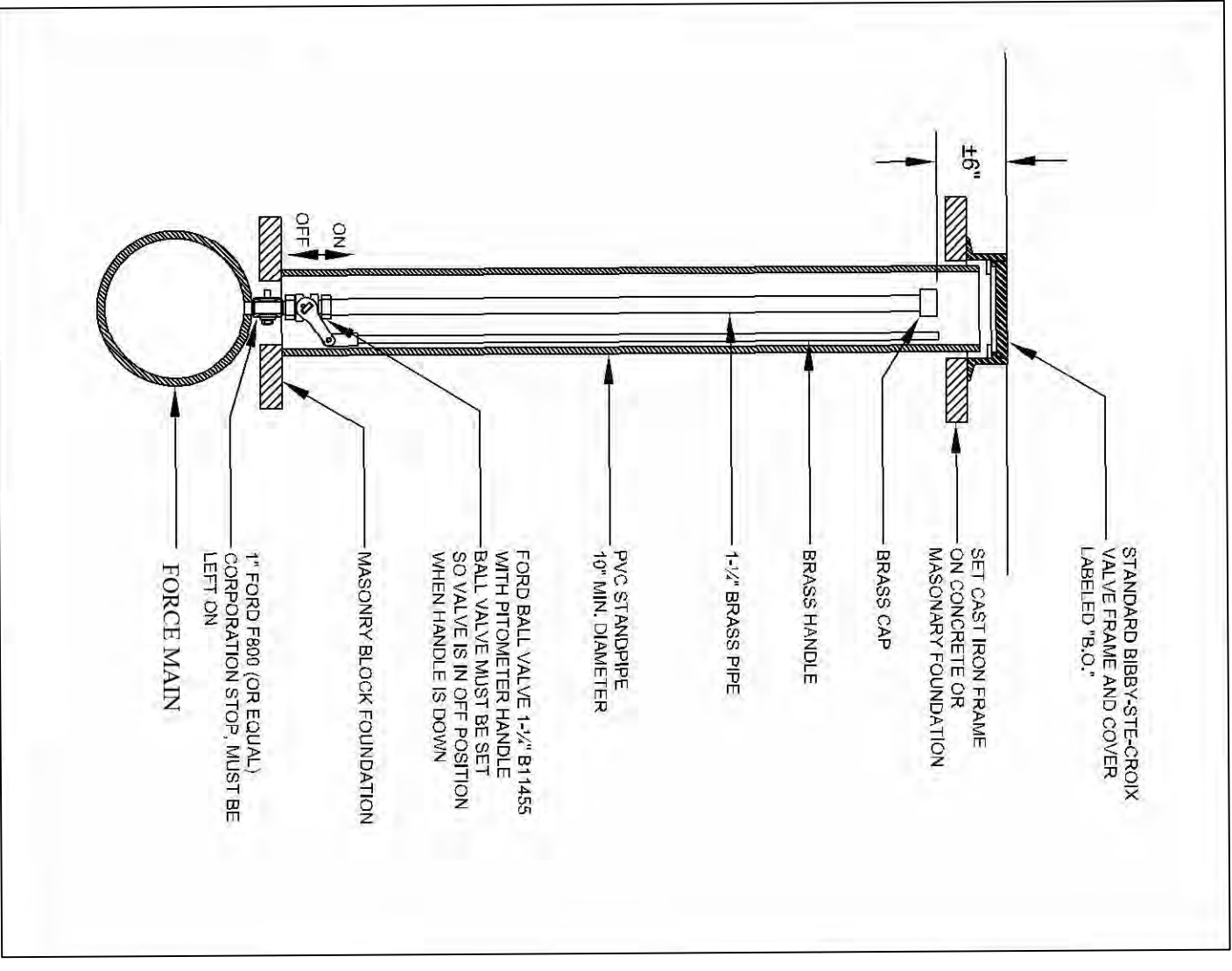
TEMPORARY SEDIMENTATION BASIN

NOT TO SCALE

1. WHEN USED ON EXISTING PAVEMENT IN PLACE HAYBALES AND STONE ON SURFACE OF PAVEMENT, SECURE HAYBALES BY BRACING AIR REPAIR THROUGH BALES AND INTO PAVEMENT A MINIMUM OF 6" AFTER USE REMOVE ROADS, AND HAYBALES.
2. BALES SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.

AIR RELEASE DETAIL

NOT TO SCALE



CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

1. ENTRANCE WIDTH SHALL BE A EIGHTEEN (18) FOOT MINIMUM BUT NOT MORE THAN FORTY (40) FEET.
2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR REPLACEMENT OF STONE AS NECESSARY.
3. REMOVED STONE SHALL BE TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED.
4. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
5. USE 4-8" QUARRY SPILL STONES.

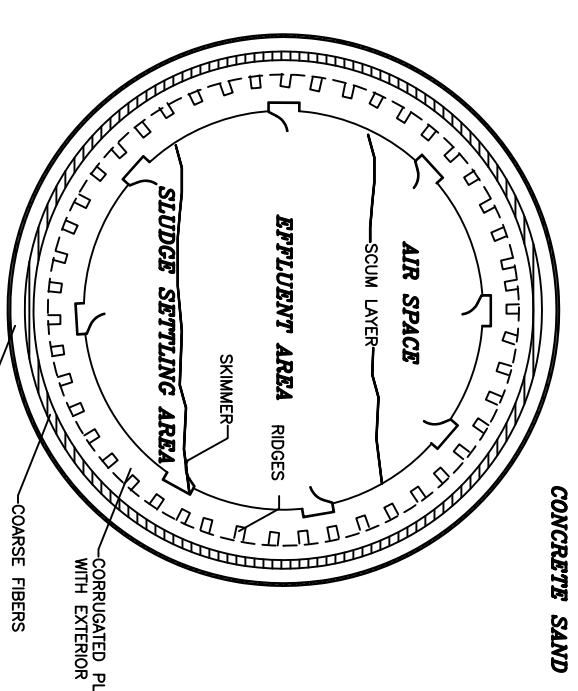
CONSTRUCTION PROCESS FOR PRESBY SAND BEDS:

- 1- COMBINATION IS TO EXCAVATE TOTAL BOTTOM AREA OF 77'-24" AND 86'-25" TO A DEPTH OF THE C1 LAYER ON SLOPE.
- 2- CONTRACTION IS TO TILL ENTIRE BOTTOM HOLE AREA FOR A DEPTH OF 12"
- 3- TILL 5 SANDS TO BE PUT IN PLACE TO BOTTOM ELEVATION IMMEDIATELY AFTER TILLING TO PROTECT BED FROM PRECIPITATION DAMAGE.
- 4- 10' LAYER OF ASTM C-33 SYSTEM SANDS SHOULD THEN BE PLACED IN CENTER OF HOLE COVERING THE BOTTOM OF THE HOLE TO 6"
- 5- PIPE NETWORK SHALL BE Laid IN PLACE AND CONNECTED.
- 6- SYSTEM SAND SHOULD THEN BE PLACED OVER ENTIRE PIPE NETWORK TO A TOP ELEVATION (SEE SCHEDULE).
- 7- SYSTEM SAND SHALL BE PLACED TO A DEPTH OF 12" OVER ENTIRE SYSTEM.
- 8- COMPLETE VENTING AND INSPECTION PORTS SHALL BE INSTALLED PER TITLE 5 AS SHOWN ON SITE PLAN AND DETAILS AS WELL AS 1 FOOT IN THE MIDDLE OF EACH ENVIRO SEPTIC LINE.
- 9- CLEAN TILL PLACED OVER SYSTEM.
- 10- AS-BUILT FOR FINAL GRADES BY ENGINEER.

MINIMUM OF 2 INSPECTION PORTS CONSISTING OF A 4" PERF. PIPE PLACED VERTICALLY DOWN INTO THE STONE TO THE NATURALLY OCCURRING SAND BED. PIPE SHALL BE CAPPED W/ A SCREEN TYPE CAP AND ACCESSIBLE TO W/IN 3' OF FINISH GRADE AS SHOWN ON PLAN.

ENVIRO-SEPTIC SYSTEM DETAIL

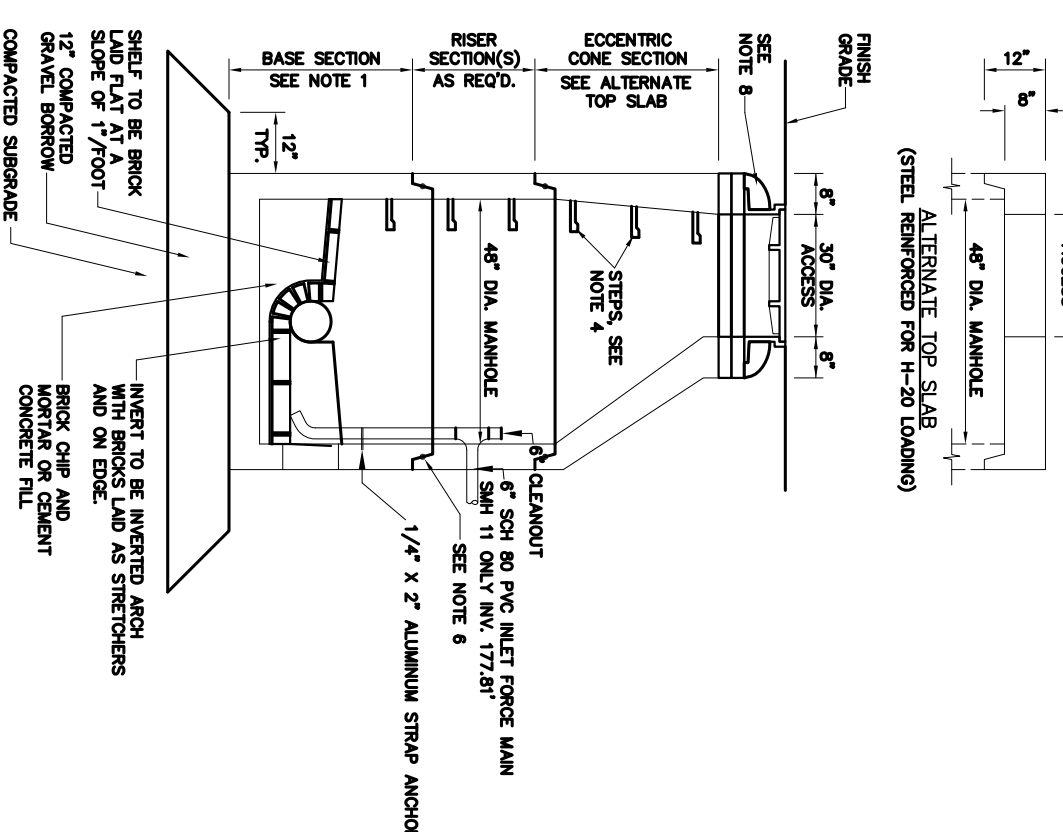
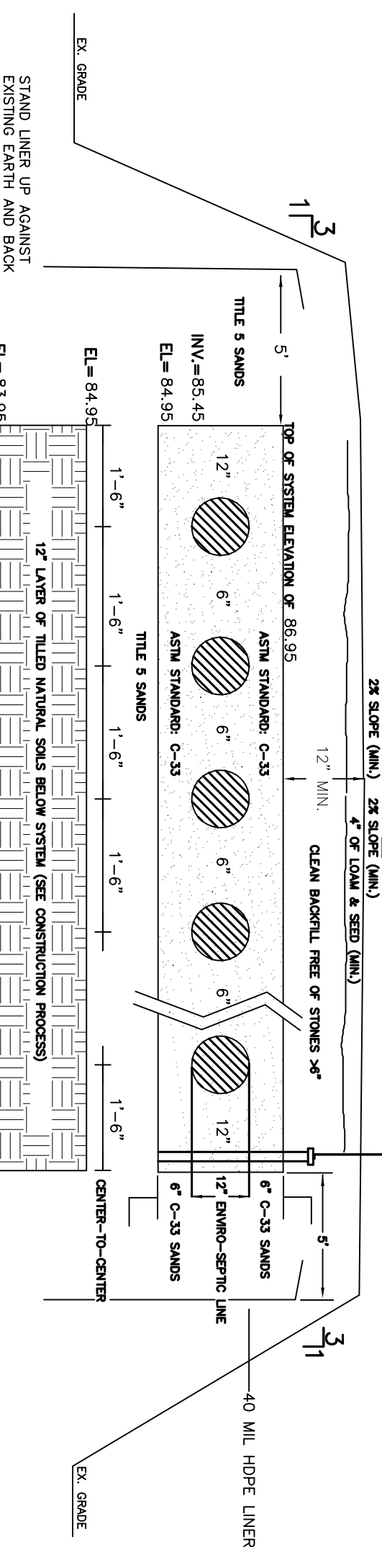
NOT TO SCALE



- 1) ENVIRO-SEPTIC SUPPLIED BY PRESBY ENVIRONMENTAL, INC. INNOVATIVE SEPTIC TECHNOLOGIES (145 Airport Road, Whitefield, NH 03284, 1-800-493-2589)
- 2) INSPECTION AND MAINTENANCE SHALL BE PERFORMED BY AN APPROVED INSPECTOR WITH A MINIMUM OF 2" CLEARANCE FROM REMOVAL USE.
- 3) CONSTRUCTION SHALL BE MONITORED AND APPROVED BY AN APPROVED INSPECTOR WITH A MINIMUM OF 2" CLEARANCE FROM REMOVAL USE.
- 4) ONLY AN APPROVED INSPECTOR WHO HAS ATTENDED THE ENVIRO-SEPTIC DEMONSTRATION SYSTEM.

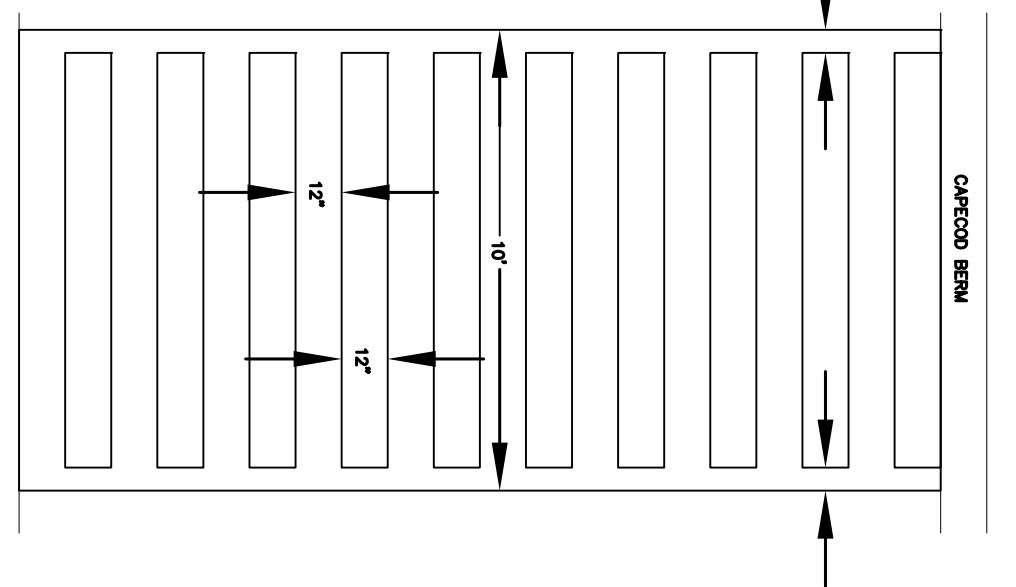
PRESBY SYSTEM DETAILS

NOT TO SCALE



SEWER MANHOLE DETAIL

NOT TO SCALE



CROSSWALK DETAIL

NOT TO SCALE

12/21/2022



THE COTTAGES AT OLD OAKEN BUCKET AT #279-281 OLD OAKEN BUCKET ROAD SCITUATE, MA

CONSTRUCTION DETAILS 1 PLAN

PREPARED BY: PARCEL 41-1-3-D PARCEL 41-1-3-0

South Shore Surveyors, Inc. REGISTERED LAND SURVEYORS & CIVIL ENGINEERS 167 R SUMMER STREET KINGSTON, MA 02364 781-582-2185 mark@ssocinc.net

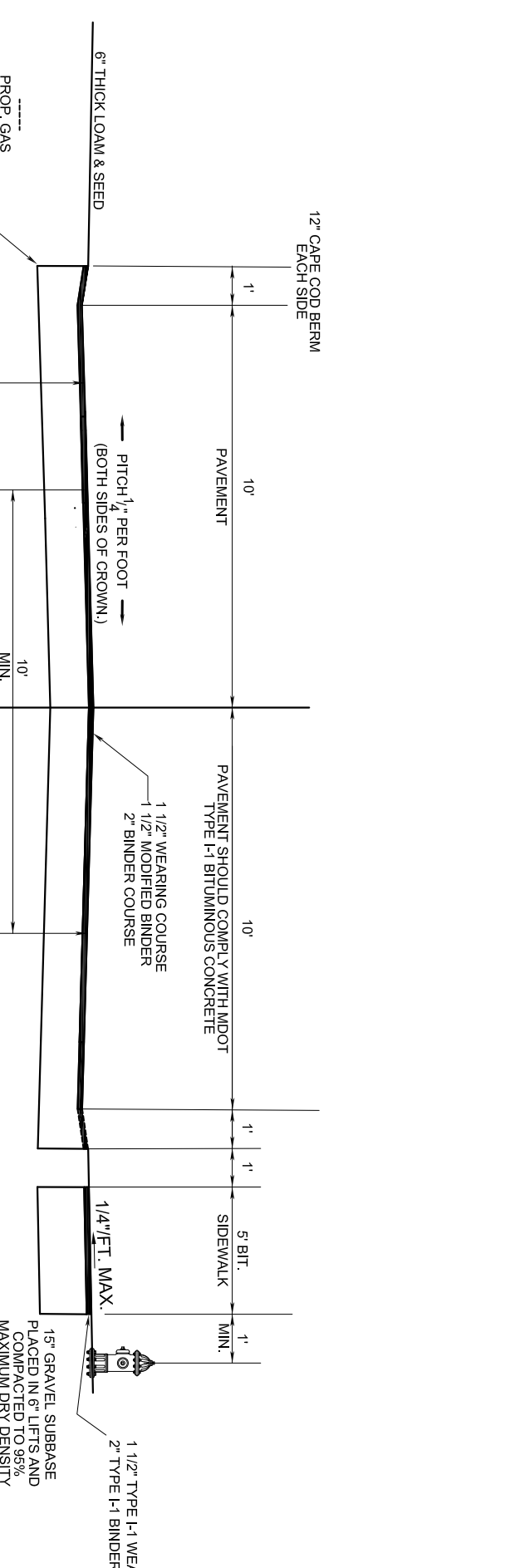
PREPARED FOR: LOTENDALE, LLC S/O SALT MEADOW DEVELOPMENT 107 EAST STREET DUXBURY, MA 02332

DATE: DECEMBER 12, 2022
COMP/DESIGN: A. ESPOSITO
CHECK: M. D. CASEY
DRAWN: A. ESPOSITO
FIELD: LILUPS
APPROVED: M. D. CASEY
DWG. NO. 1908 DET1
JOB NO. 1908

REVISIONS: No. DESCRIPTION DATE

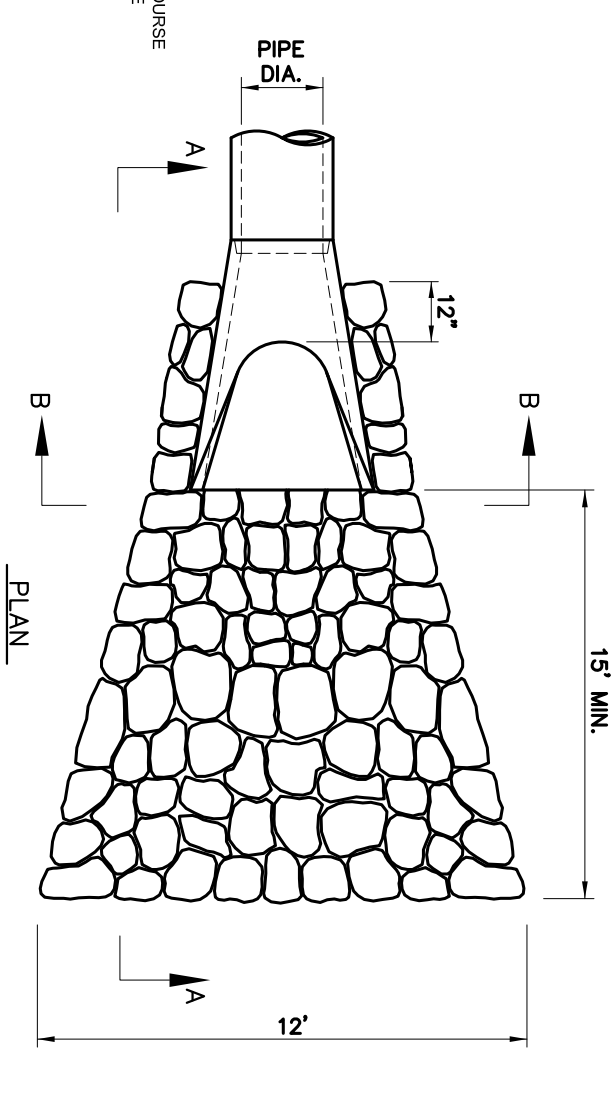
PROJECT TITLE:

SHEET 10 OF 16



- ROAD CLEANING AND DRAINAGE NOTES:
1. 8\"/>
 - 2. 4\"/>
 - 3. 10\"/>

ROAD A SECTION DETAIL
NOT TO SCALE



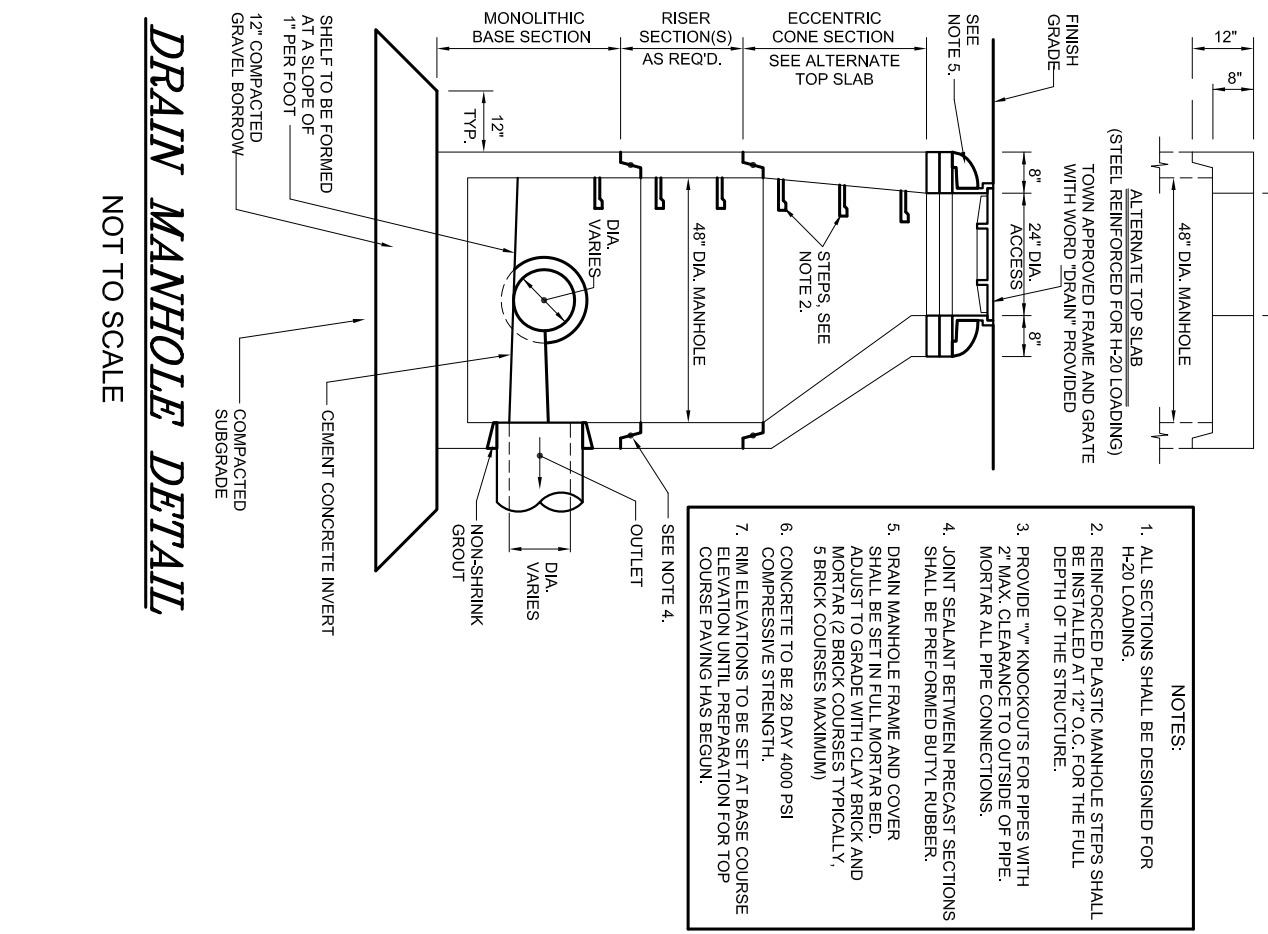
RIP RAP OUTLET PROTECTION
NOT TO SCALE

DIMENSIONAL TABLE

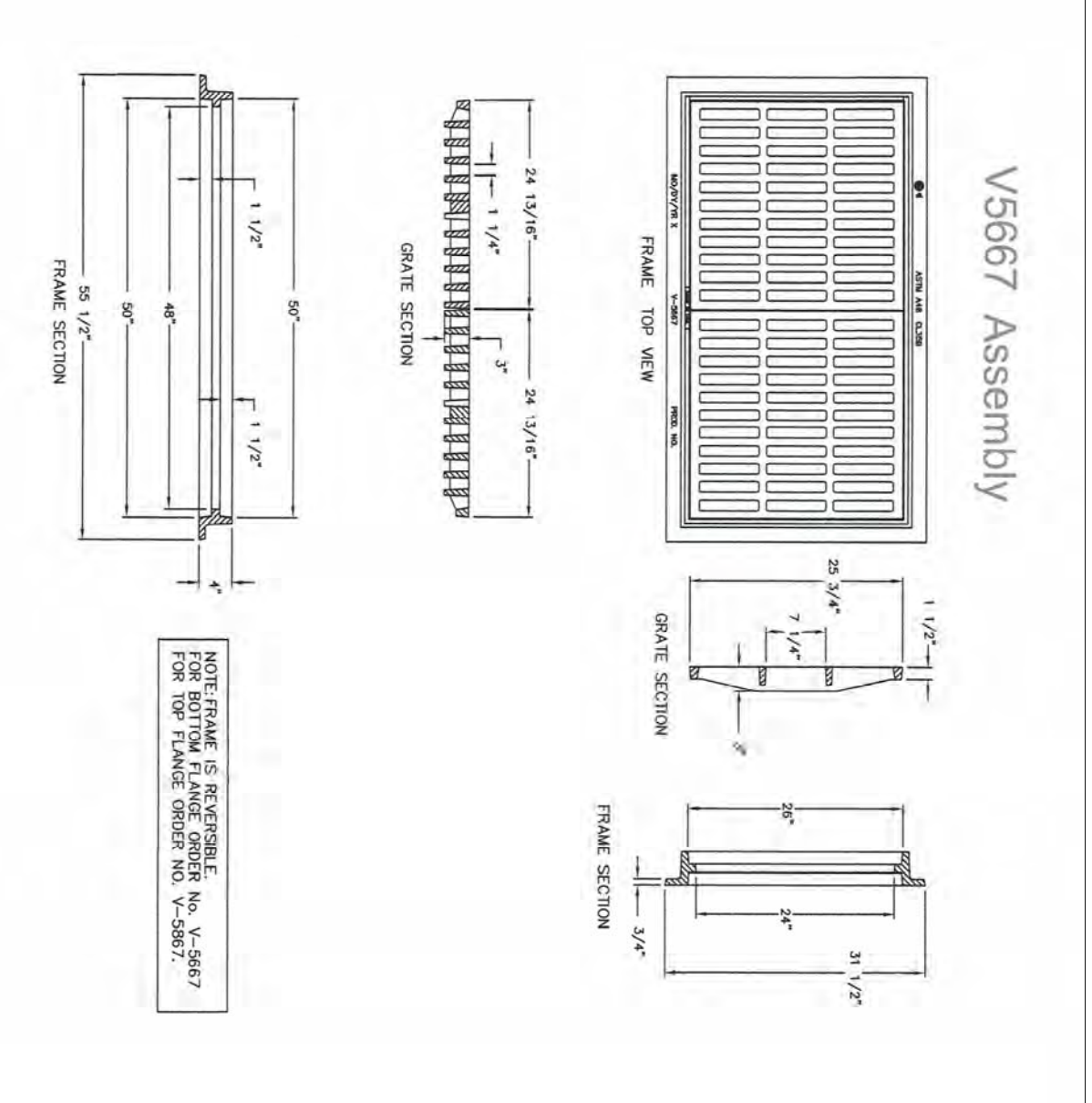
PIPE DIA.	A	B	C	D	E	R
4"	2'-0"	4'-1"	2'-0"	2"	2"	9"
6"	2'-3"	3'-10"	2'-6"	2 1/2"	2 1/2"	11"
8"	2'-3"	3'-10"	3'-0"	2"	2"	12"
9"	2'-3"	3'-10"	3'-0"	2"	2"	12"
12"	3'-0"	4'-6"	2'-6"	4'-0"	3"	14"
15"	3'-0"	4'-6"	2'-6"	4'-0"	3"	15"
18"	3'-0"	5'-3"	2'-10"	6'-0"	4"	20"
24"	4'-0"	6'-6"	2'-11"	6'-6"	4"	22"
30"	4'-0"	7'-0"	2'-11"	7'-0"	5"	22"
36"	4'-0"	7'-6"	2'-11"	7'-6"	5"	22"
42"	5'-0"	8'-0"	2'-11"	7'-6"	5"	24"
48"	5'-0"	8'-0"	2'-11"	7'-6"	5"	24"
54"	5'-0"	8'-0"	2'-11"	7'-6"	5"	24"
60"	5'-0"	8'-0"	2'-11"	7'-6"	5"	24"

1. All fill, gravel and non-frost susceptible material shall be placed in a minimum of 10" depth below the finished roadway grade.
 2. No bituminous concrete may be placed on frozen sub-base in the case of the binder course, or if ambient daytime temperature falls below 50° in the case of the finish/wearings.
- ROAD CLEANING AND DRAINAGE NOTES:
1. 8\"/>
 - 2. 4\"/>
 - 3. 10\"/>

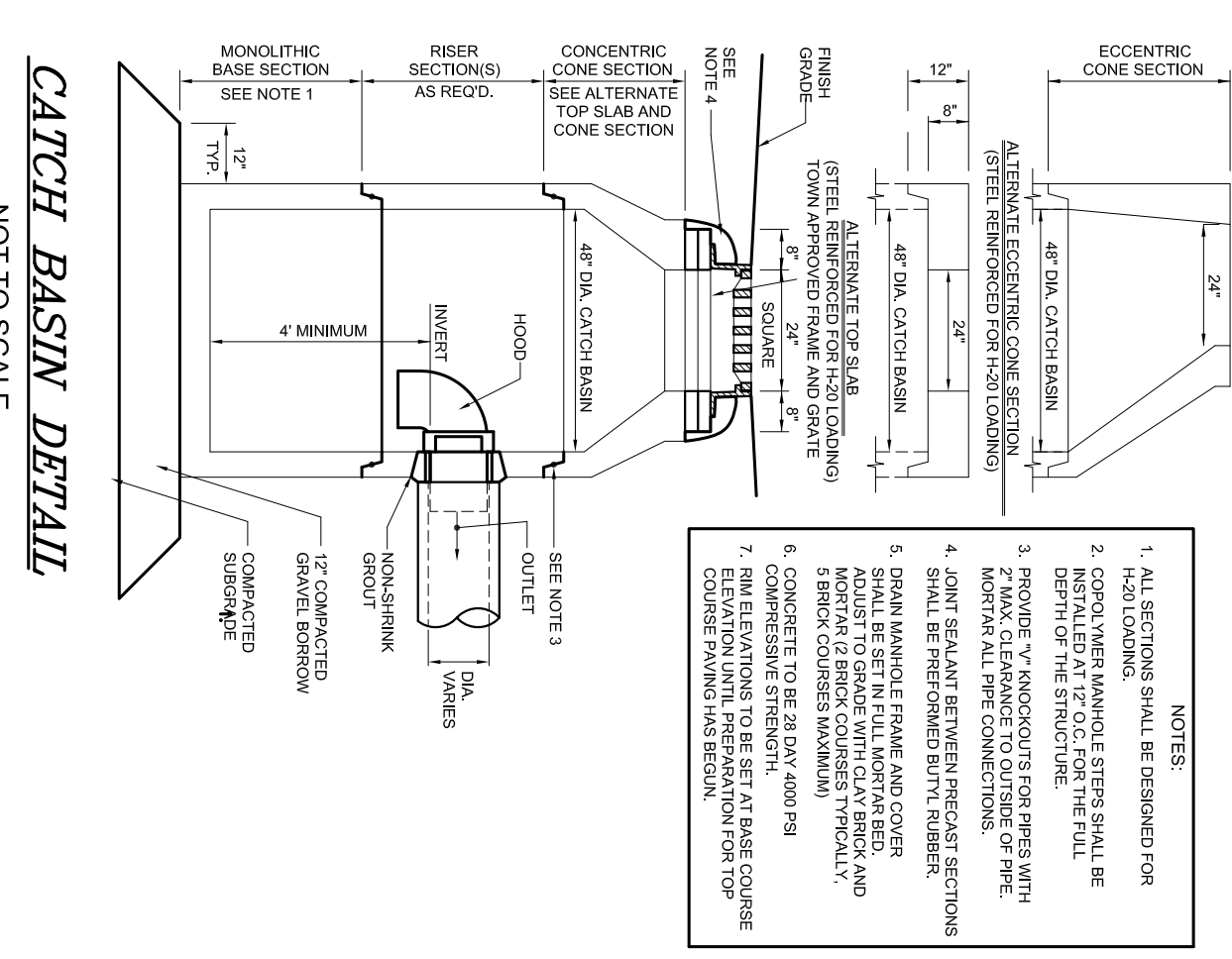
ROAD B SECTION DETAIL
NOT TO SCALE



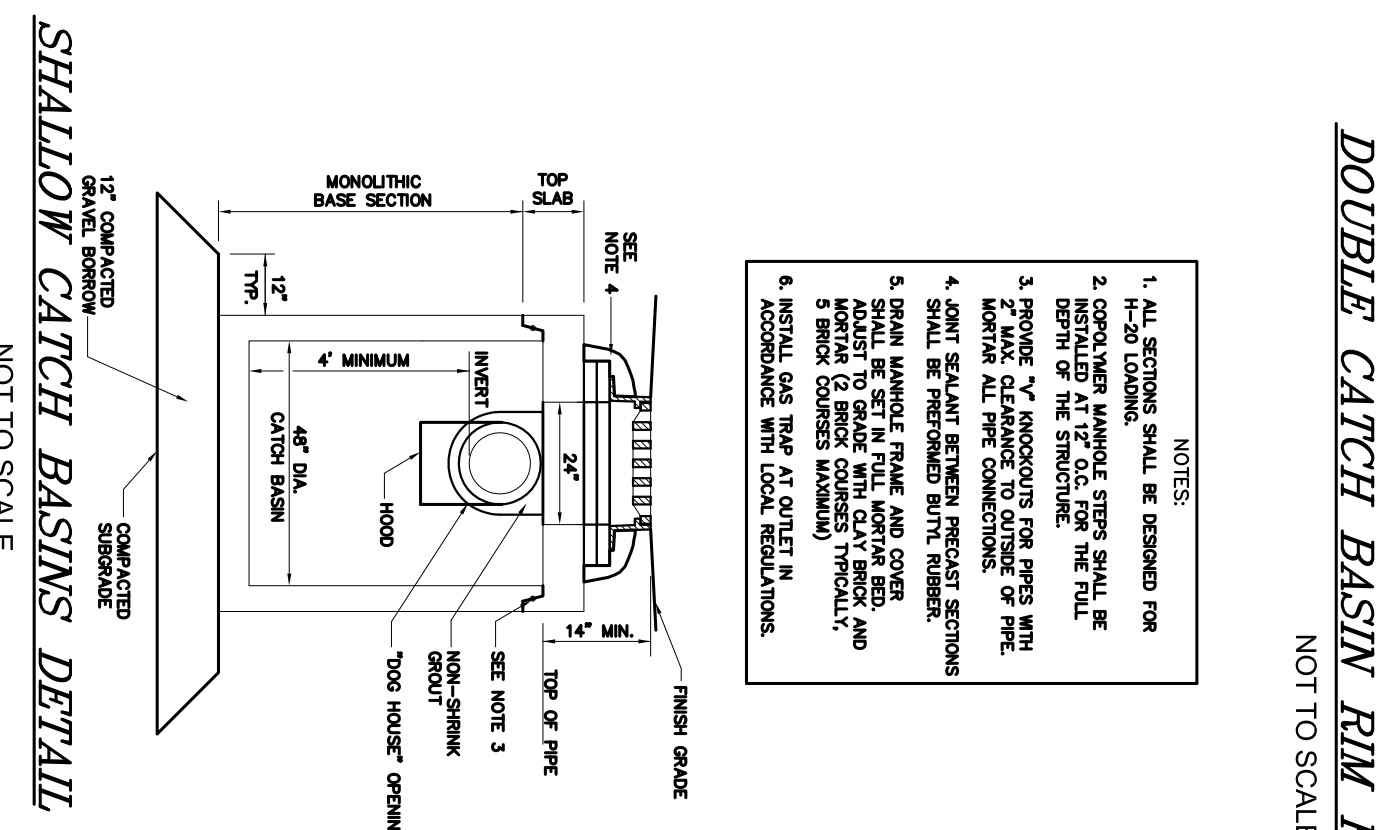
DRAIN MANHOLE DETAIL
NOT TO SCALE



DOUBLE CATCH BASIN RIM FOR DCB 15 DETAIL
NOT TO SCALE



CATCH BASIN DETAIL
NOT TO SCALE



SHALLOW CATCH BASINS DETAIL
NOT TO SCALE

XRLED-A840
ROSTOP LED COMPACTOR FOR ROAD OLD TOWN JOINTS

FAST TO INSTALL

The XRLED-A840 is designed to provide a long-lasting, energy-efficient lighting solution for road joints. It is easy to install and requires no wiring. The XRLED-A840 is available in two versions: the XRLED-A840-1 (1x10W) and the XRLED-A840-2 (2x10W). The XRLED-A840-2 is recommended for applications where higher light output is required.

Model	Power (W)	Beam Angle	Mounting Height (ft)	Light Output (lm)	Life Span (hrs)
XRLED-A840-1	10	120°	1.5	100	50,000
XRLED-A840-2	20	120°	1.5	200	50,000

Features & Specifications

- High-quality LED chips for long life and high efficiency.
- Compact design for easy installation.
- No wiring required.
- Weather-resistant for outdoor use.

Performance

Model	Power (W)	Beam Angle	Mounting Height (ft)	Light Output (lm)	Life Span (hrs)
XRLED-A840-1	10	120°	1.5	100	50,000
XRLED-A840-2	20	120°	1.5	200	50,000

Notes:

- 1. The XRLED-A840 is designed to provide a long-lasting, energy-efficient lighting solution for road joints.
- 2. The XRLED-A840 is available in two versions: the XRLED-A840-1 (1x10W) and the XRLED-A840-2 (2x10W).
- 3. The XRLED-A840-2 is recommended for applications where higher light output is required.

HYDRO MANHOLE DETAIL
NOT TO SCALE

PRODUCT DESCRIPTION:

1. Flow (Hydraulic Flow): 18.0 cfs (0.5 m³/s)
2. Max. Suction Lift (Design Capacity): 2.7 m (9.0 ft)
3. Max. Discharge Head: 2.7 m (9.0 ft)
4. Max. Flow Velocity: 1.5 m/s (5.0 ft/s)
5. Max. Head Loss: 2.7 m (9.0 ft)
6. Max. Total Head: 5.4 m (17.7 ft)

GENERAL NOTES:

1. General dimensions and details are given in the specific drawings.
2. The manhole shall be installed on a concrete slab (to be provided by others).
3. The manhole shall be installed on a concrete slab (to be provided by others).
4. The manhole shall be installed on a concrete slab (to be provided by others).
5. The manhole shall be installed on a concrete slab (to be provided by others).
6. The manhole shall be installed on a concrete slab (to be provided by others).

ITEM	QTY	SIZE (IN)	SIZE (MM)	DESCRIPTION
1	1	36	914	HYDRO MANHOLE (INCL. COVER)
2	1	48	1219	LD. PRECAST MANHOLE
3	1	30	762	FRAME AND COVER (INCL.)
4	1	24 (MAX)	609 (MAX)	OUTLET PIPE (BY OTHERS)
5	1	24 (MAX)	609 (MAX)	INLET PIPE (BY OTHERS)

Hydro
GENERAL MANHOLE
HYDRO MANHOLE DETAIL
NOT TO SCALE

PREPARED FOR: **Parcel 41-1-3-D**
Parcel 41-1-3-0

THE COTTAGES AT OLD OAKEN BUCKET AT #279-281 OLD OAKEN BUCKET ROAD SCITUATE, MA

CONSTRUCTION DETAILS 2 PLAN

PREPARED BY: **Parcel 41-1-3-D**
Parcel 41-1-3-0

REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
167 R SUMMER STREET
KINGSTON, MA 02364
781-582-2185
mark@ssocinc.net

PREPARED FOR: **LOTENDALE, LLC**
S/O SALT MEADOW DEVELOPMENT
DUXBURY, MA 02332

CHECKED: M. D. CASEY
DRAWN: A. ESPPOSITO
FIELD: LILIPS
APPROVED: M. D. CASEY
DWG. NO. 1908 DET2

DATE: DECEMBER 12, 2022

SCALE: 1" = 50'
50 0 50 100

SHEET 11 OF 16

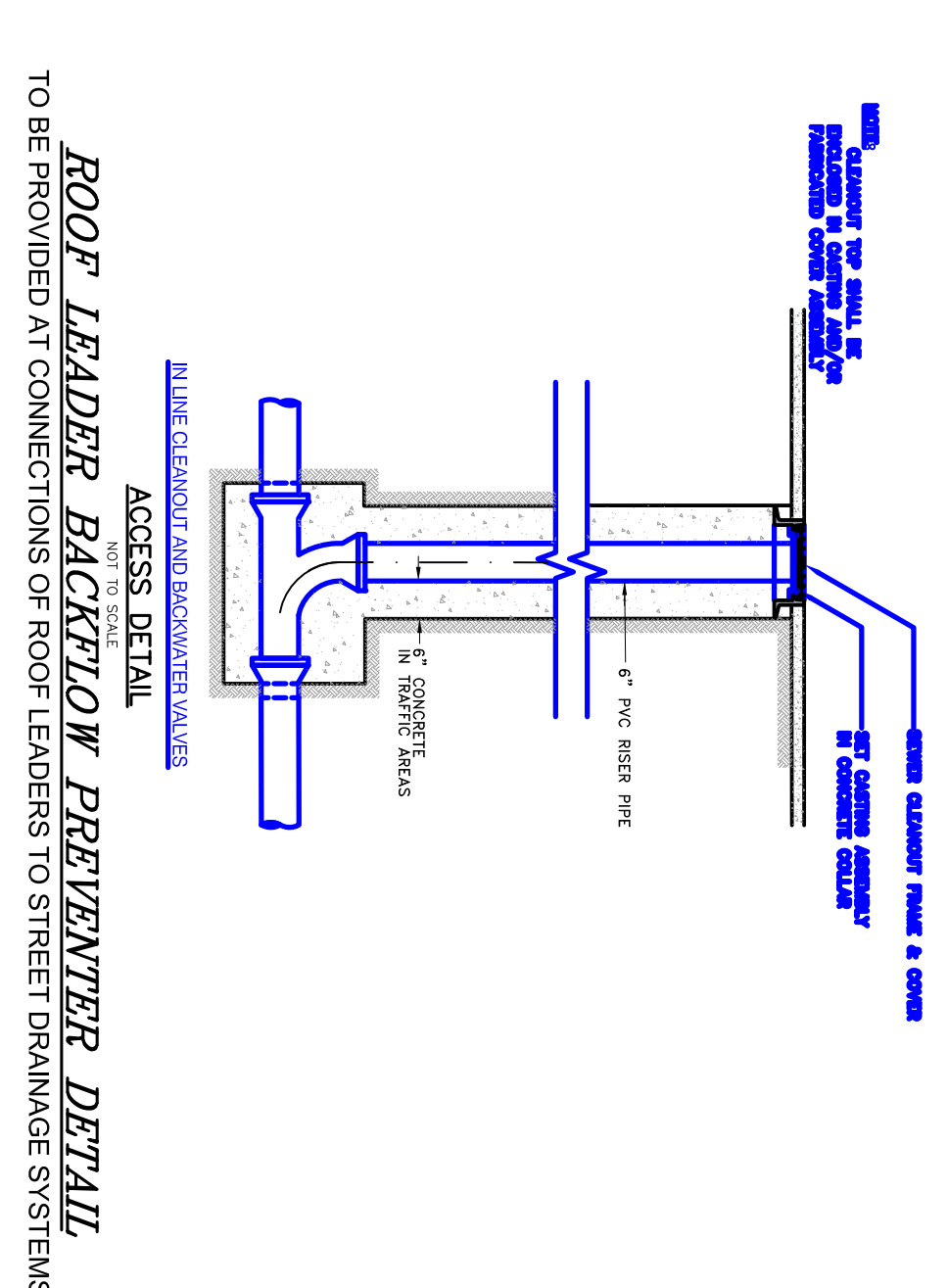
REVISIONS:

No.	DESCRIPTION	DATE

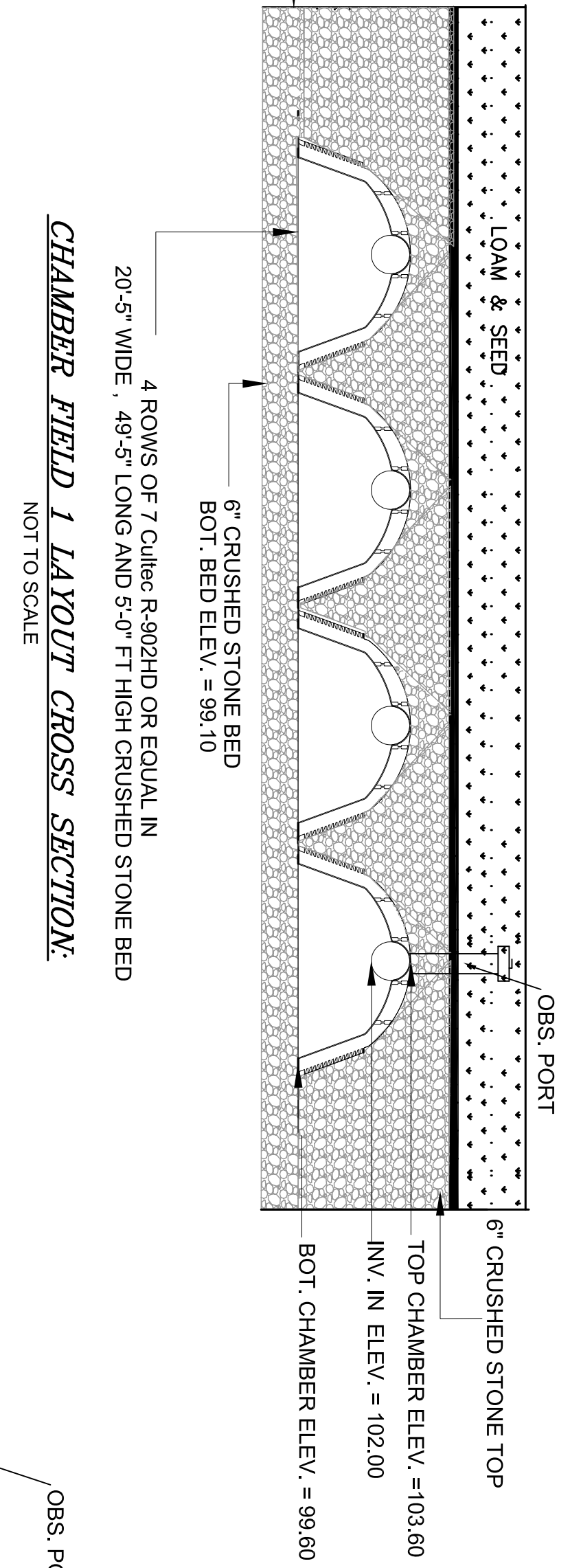
PROJECT TITLE:

REVISIONS:	NO.	DESCRIPTION	DATE

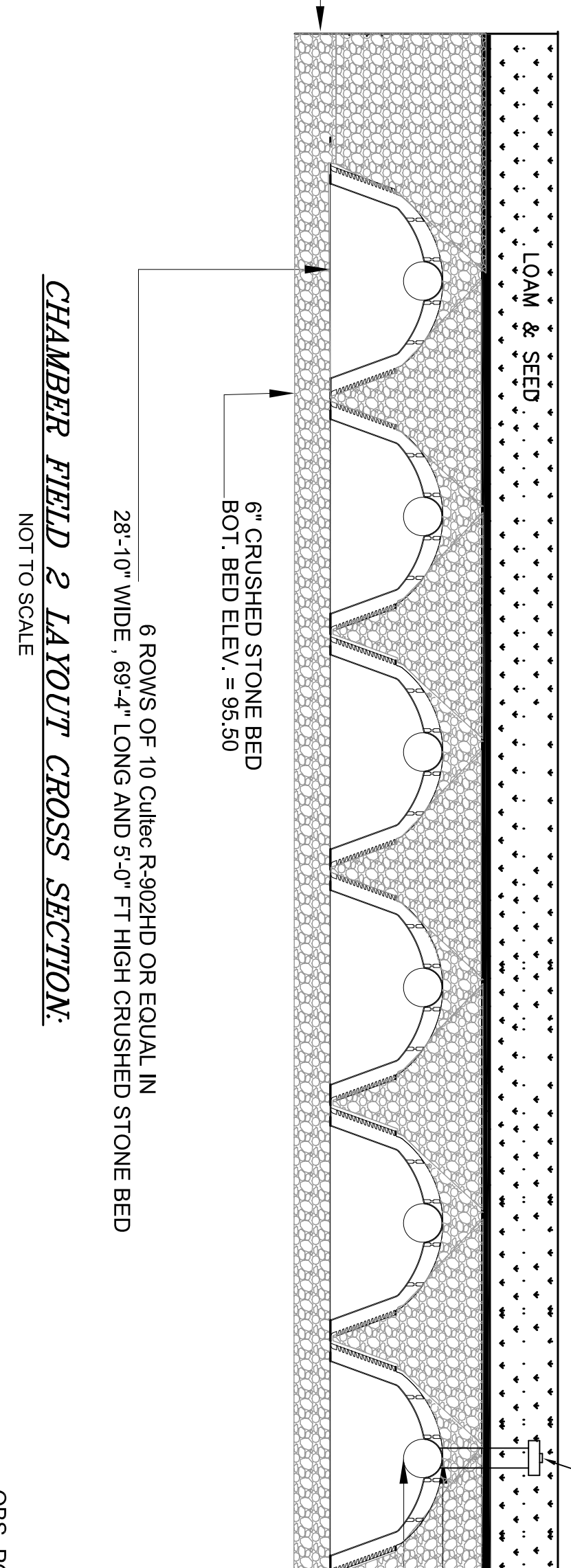
PROJECT TITLE:



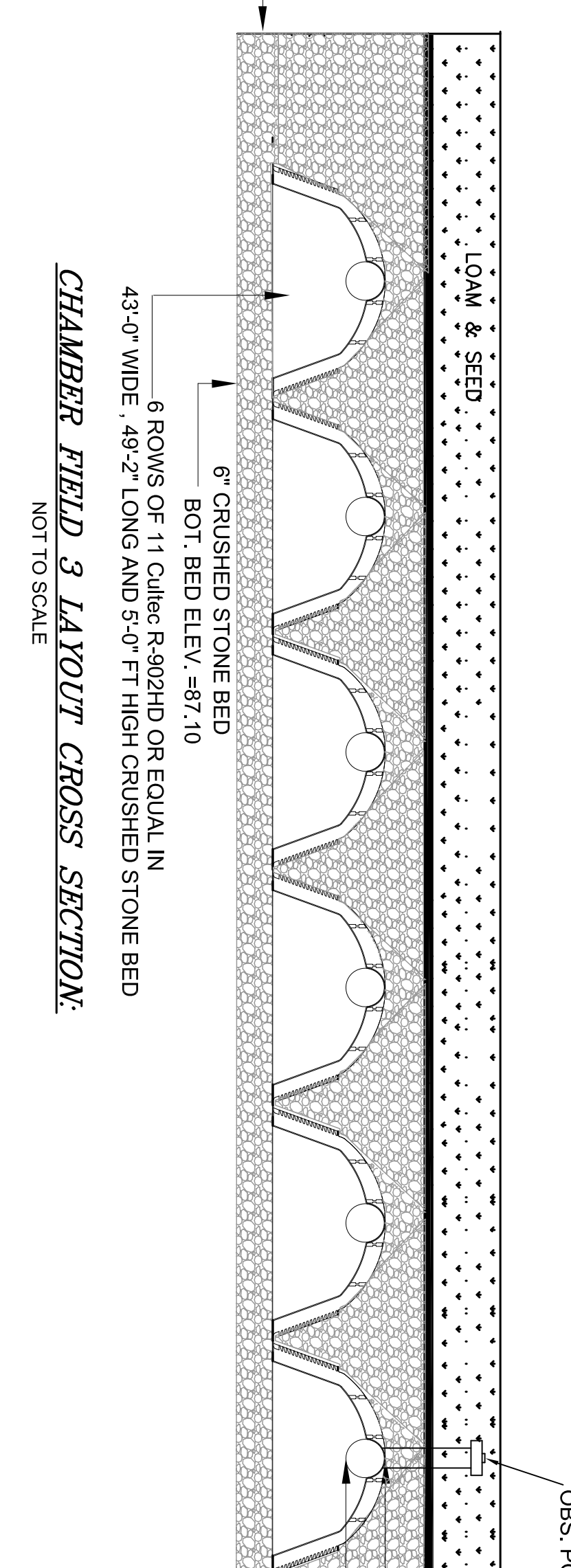
ROOF LEADER BACKFLOW PREVENTER DETAIL
TO BE PROVIDED AT CONNECTIONS OF ROOF LEADERS TO STREET DRAINAGE SYSTEMS



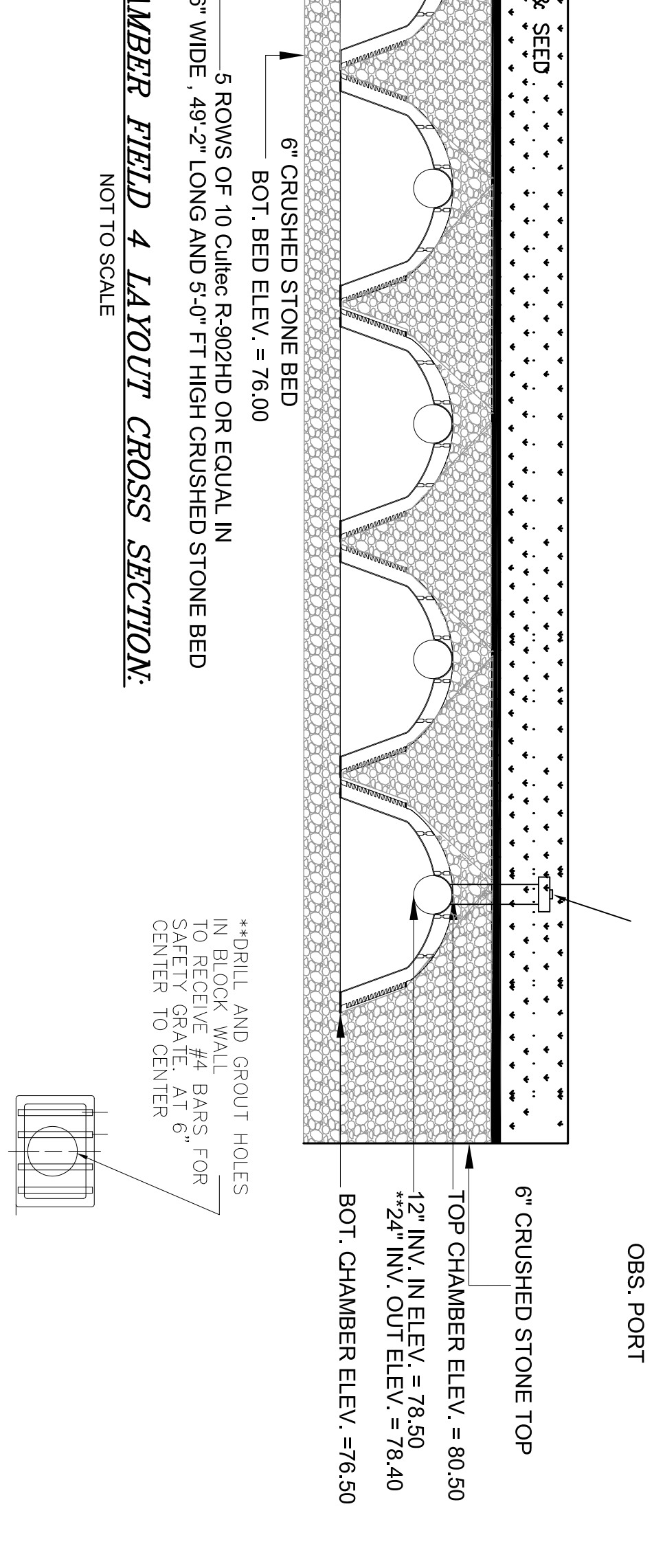
CHAMBER FIELD 1 LAYOUT CROSS SECTION:
NOT TO SCALE



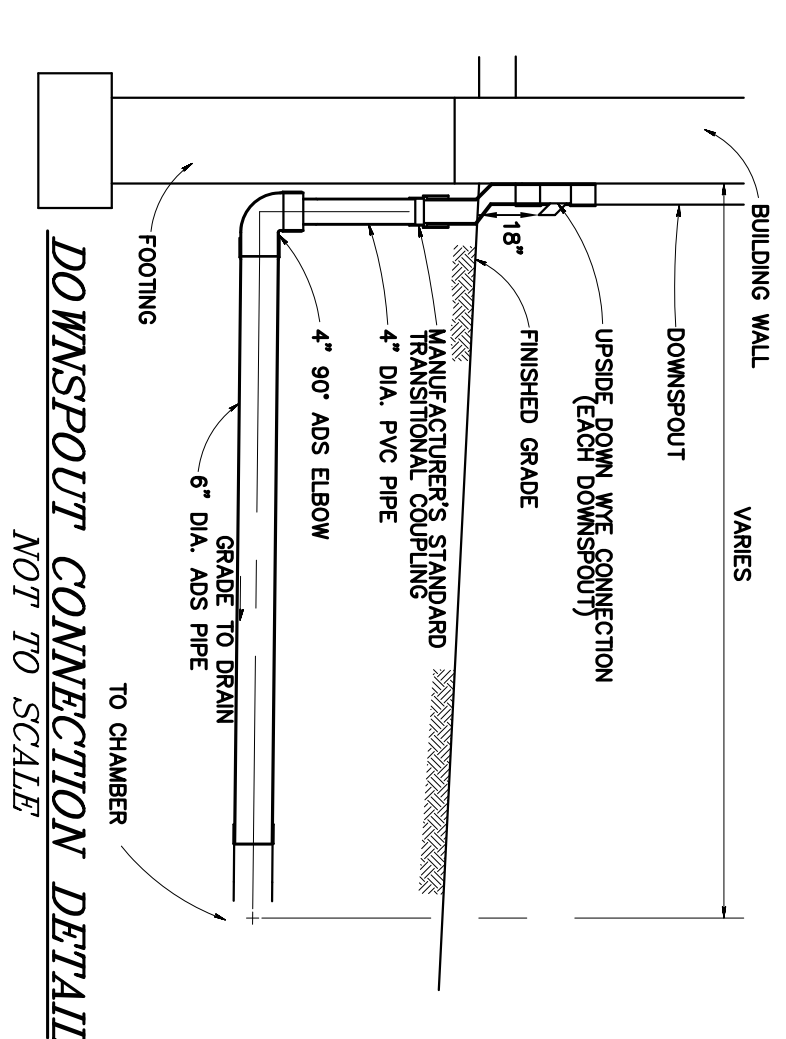
CHAMBER FIELD 2 LAYOUT CROSS SECTION:
NOT TO SCALE



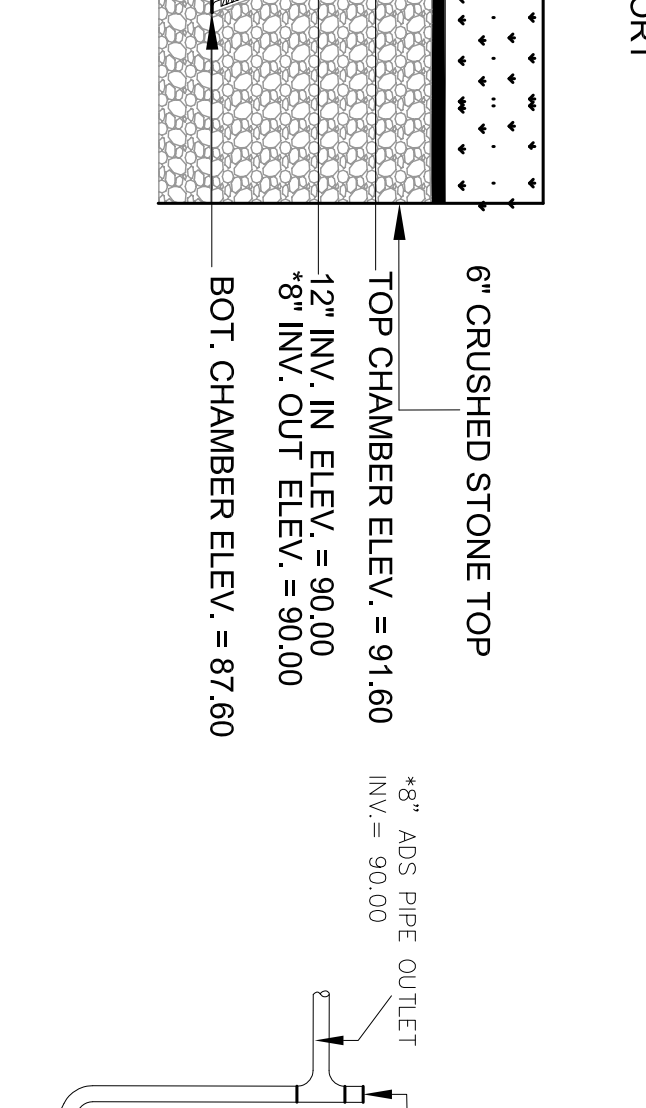
CHAMBER FIELD 3 LAYOUT CROSS SECTION:
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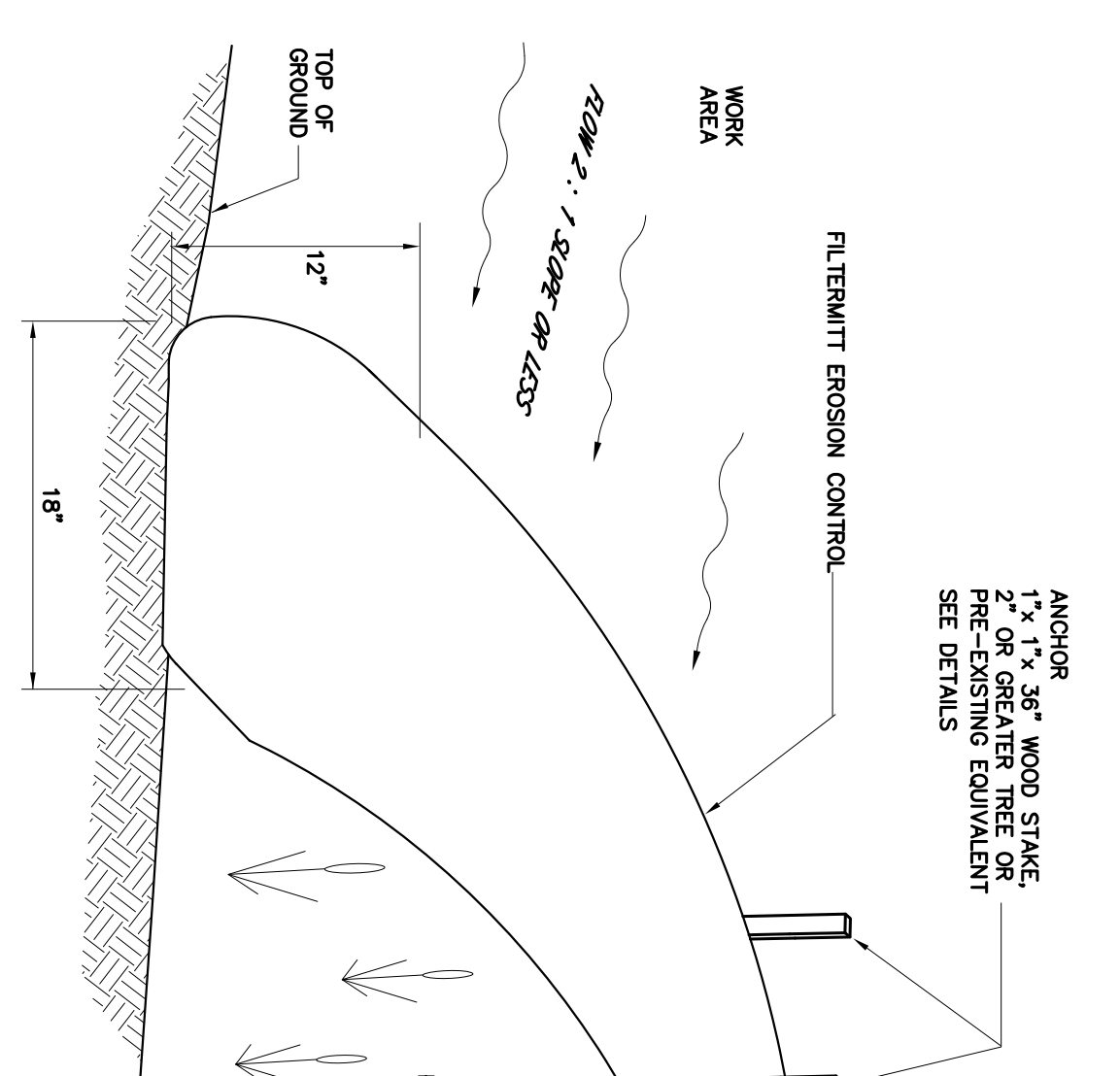
CHAMBER FIELD 4 LAYOUT CROSS SECTION:
NOT TO SCALE



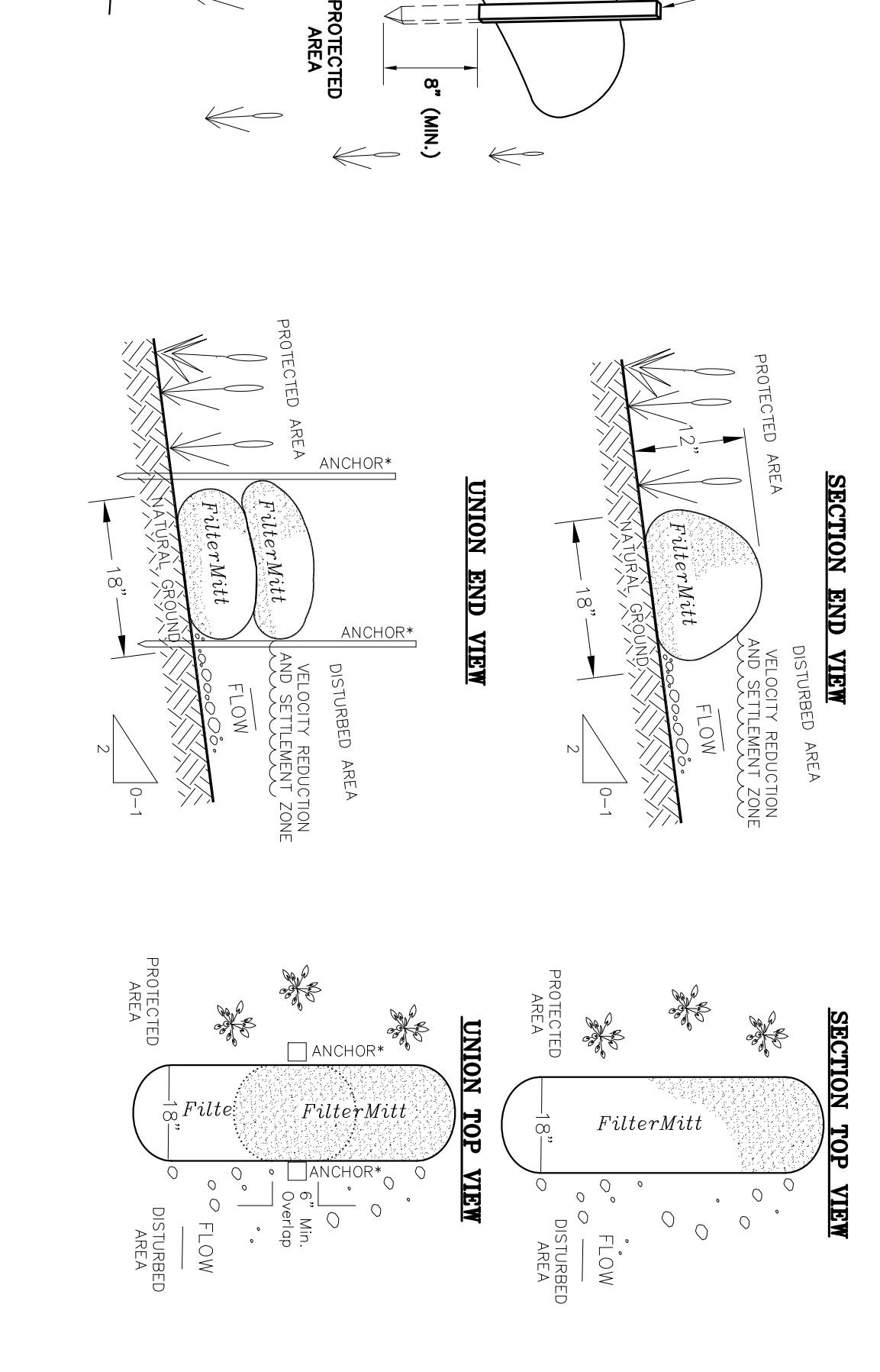
DOWNSPOUT CONNECTION DETAIL
NOT TO SCALE



FILTERMITT EROSION CONTROL BARRIER DETAIL
NOT TO SCALE



FILTERMITT INSTALLATION:



FILTERMITT COMPONENTS:

OUTSIDE CASING: 100% organic fiber, FILTER INGREDIENT: FiberMitt Mulch. A blend of coarse and fine compost and shredded wood.

***ANCHOR:** 1" x 1/2" x 3/8" OAK STAKE OR 2" OR GREATER TREE OTHER PRE-EXISTING, ANCHORED OBJECT.

SECTION END VIEW: PROTECTED AREA, FLOW, VELOCITY REDUCTION AND SETTLEMENT ZONE, DISTURBED AREA.

SECTION TOP VIEW: PROTECTED AREA, FLOW, VELOCITY REDUCTION AND SETTLEMENT ZONE, DISTURBED AREA.

UNION TOP VIEW: PROTECTED AREA, FLOW, VELOCITY REDUCTION AND SETTLEMENT ZONE, DISTURBED AREA.

PREPARED FOR: LOYNDALE, LLC
S/O SALT MEADOW DEVELOPMENT
107 EAST STREET
DUXBURY, MA 02532

PREPARED BY: M. D. CASEY

DATE: DECEMBER 12, 2022

COMP/DESIGN: A. ESPOSITO

CHECK: M. D. CASEY

DRAWN: A. ESPOSITO

FIELD: LILUPS

APPROVED: M. D. CASEY

DWG. NO.: 1908 DET5

JOB NO.: 1908

CONSTRUCTION DETAILS

THE COTTAGES AT OLD OAKEN BUCKET AT #279-281 OLD OAKEN BUCKET ROAD SCITUATE, MA

PARCEL 41-1-3-D
PARCEL 41-1-3-0

REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
167 R SUMMER STREET
KINGSTON, MA 02364
781-582-2185
mark@ssscinc.net

CONSULTANTS, INC.
REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
167 R SUMMER STREET
KINGSTON, MA 02364
781-582-2185
mark@ssscinc.net

APPROVED: M. D. CASEY

DWG. NO.: 1908 DET5

JOB NO.: 1908

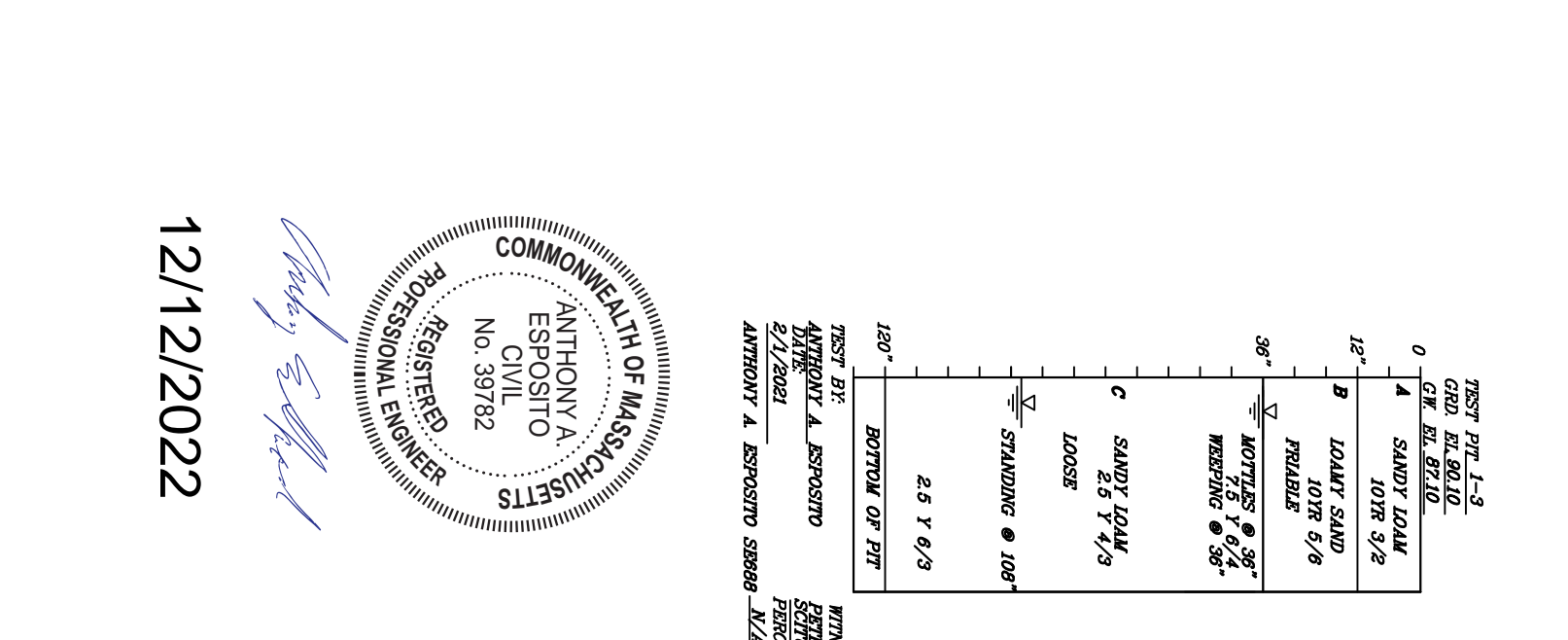
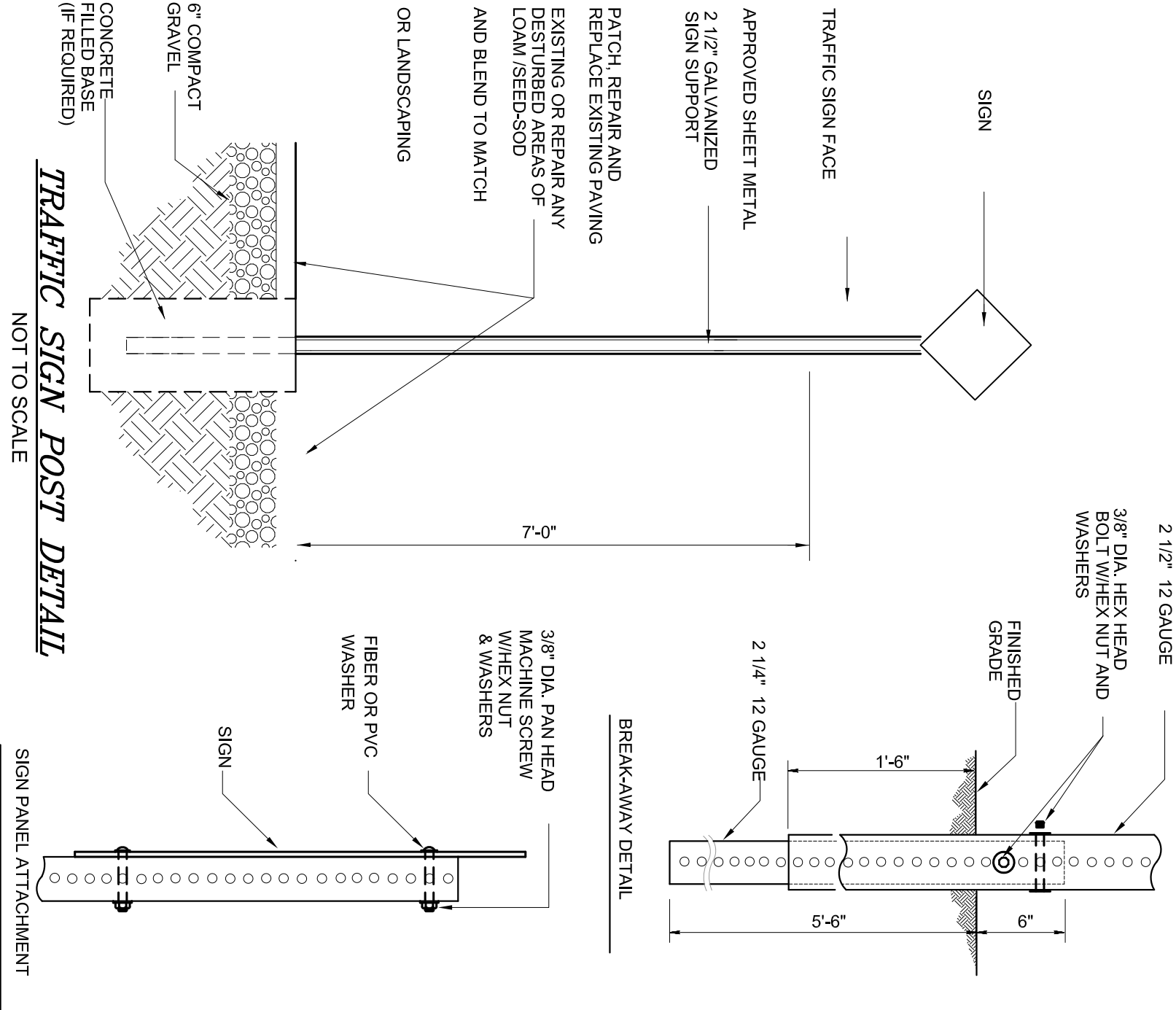
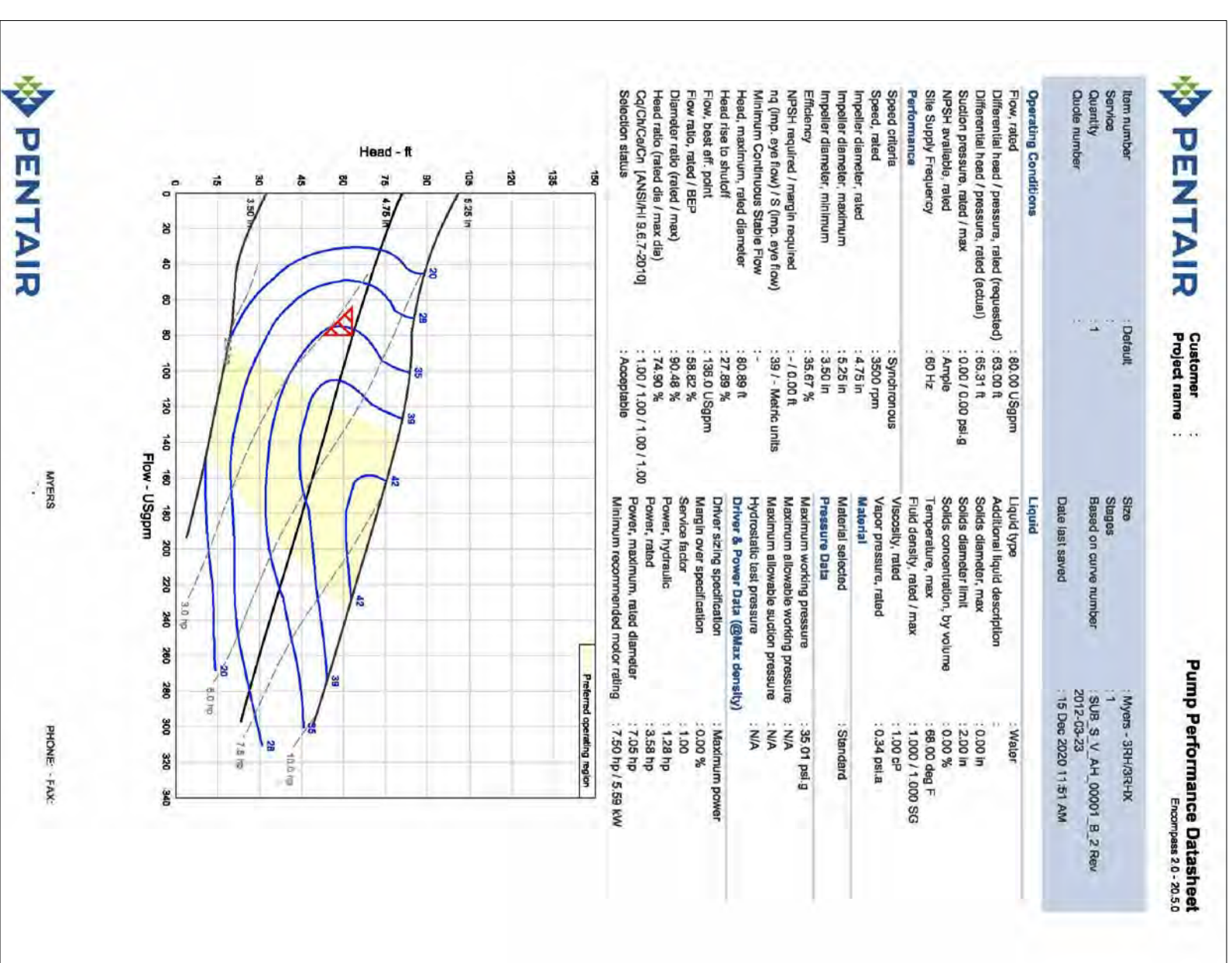
COMMONWEALTH OF MASSACHUSETTS
REGISTERED PROFESSIONAL ENGINEER
ANTHONY A. ESPOSITO
No. 33782
12/12/2022

FOR MORE INFORMATION, VISIT:
www.groundspacexpress.com
GroundSpace Express, Inc.
Wenham, MA 02093
(508) 384-7140

2:1 SLOPES OR LESS

SCALE: 1" = 50'

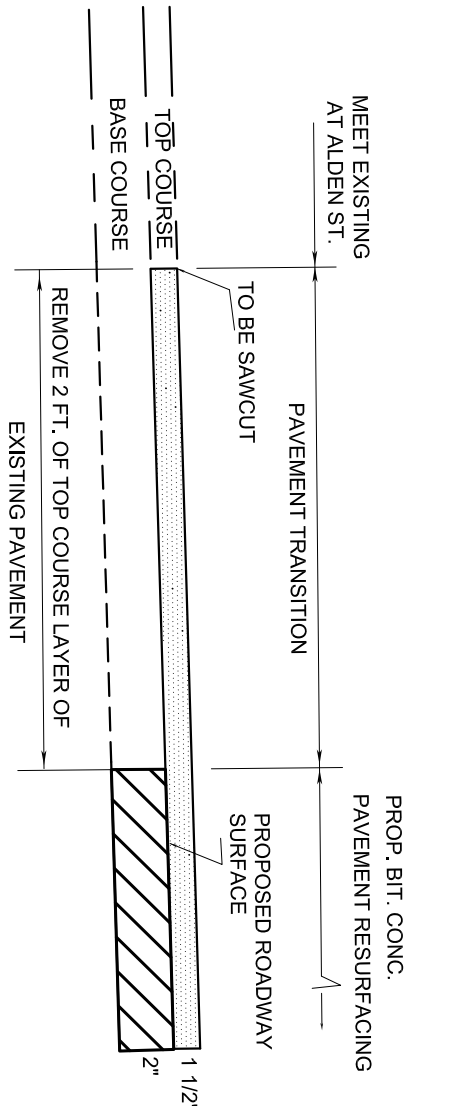
SHEET 13 OF 16



12/12/2022

Verti-Block Gravity Wall
 Increase wall height and stability with Mass Extenders.

SEGMENTAL RETAINING WALL DETAIL
 NOT TO SCALE



OLD OAKEN BUCKET RD. PAVEMENT TRANSITION DETAIL
 NOT TO SCALE

TEST PIT NO.	DEPTH (FT)	SOIL TYPE	TEST DATE	TESTER
TEST PIT 1	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 2	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 3	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 4	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 5	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 6	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 7	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 8	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 9	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 10	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 11	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 12	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 13	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 14	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 15	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 16	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 17	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 18	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 19	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 20	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 21	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 22	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 23	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 24	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 25	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 26	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 27	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 28	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 29	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 30	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 31	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 32	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 33	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 34	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 35	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 36	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 37	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 38	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 39	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 40	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO

SOIL TEST PIT DATA:

TEST PIT NO.	DEPTH (FT)	SOIL TYPE	TEST DATE	TESTER
TEST PIT 1	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 2	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 3	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 4	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 5	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 6	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 7	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 8	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 9	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 10	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 11	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 12	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 13	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 14	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 15	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 16	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 17	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 18	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 19	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 20	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 21	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 22	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 23	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 24	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 25	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 26	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 27	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 28	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 29	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 30	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 31	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 32	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 33	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 34	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 35	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 36	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 37	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 38	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 39	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO
TEST PIT 40	0 - 10	GRAVEL	10/2/2022	ANTHONY A. ESPOSITO

REVISIONS: NO. DESCRIPTION DATE

PROJECT TITLE: **THE COTTAGES AT OLD OAKEN BUCKET AT #279-281 OLD OAKEN BUCKET ROAD SCITUATE, MA**

CONSTRUCTION DETAILS & TEST PIT LOGS

PREPARED BY: **South Shore Surveyors, Inc.**
 REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
 167 R SUMMER STREET
 KINGSTON, MA 02364
 781-582-2185
 mark@ssocinc.net

PREPARED FOR: **LOVEDALE, LLC**
 S/O SALT MEADOW DEVELOPMENT
 107 EAST STREET
 DUXBURY, MA 02532

DATE: DECEMBER 12, 2022
 COMP/DESIGN: A. ESPOSITO
 CHECK: M. D. CASEY
 DRAWN: A. ESPOSITO
 FIELD: LILIPS
 APPROVED: M. D. CASEY
 DWG. NO. 1908 DET4

SCALE: 1" = 50'

SHEET 14 OF 16

PROJECT TITLE:

**THE COTTAGES
AT
OLD OAKEN BUCKET
AT
#279-281 OLD OAKEN
BUCKET ROAD
SCITUATE, MA**

**CONSTRUCTION DETAILS
& TEST PIT LOGS**

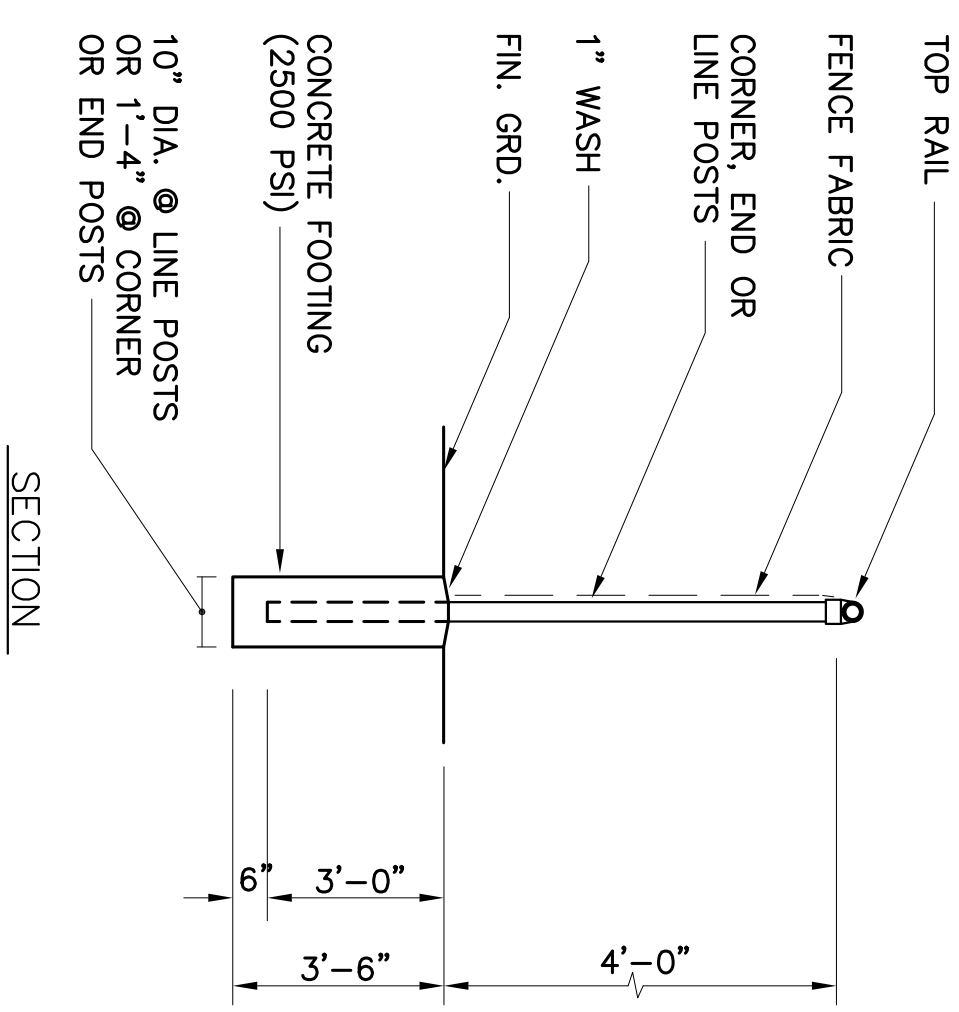
PREPARED BY:
PARCEL 41-1-3-D
PARCEL 41-1-3-0

Prepared for:
**South
Shore
Surveyors, Inc.**
CONSULTANTS, INC.
REGISTERED LAND SURVEYORS
& CIVIL ENGINEERS
167 R SUMMER STREET
KINGSTON, MA 02364
781-582-2185
mark@ssscinc.net

PREPARED FOR:
LOYNDALE, LLC
S/O SALT MEADOW DEVELOPMENT
107 EAST STREET
DUXBURY, MA 02332

SCALE: **1" = 50'**
0 50 100

DATE: DECEMBER 12, 2022
COMPT. DESIGN: A. ESPPOSITO
CHECK: M. D. CASEY
DRAWING: A. ESPPOSITO
FIELD: LILUPS
APPROVED: M. D. CASEY
DWG. NO. 1908 DET5
JOB NO. 1908
SHEET **15** OF **16**

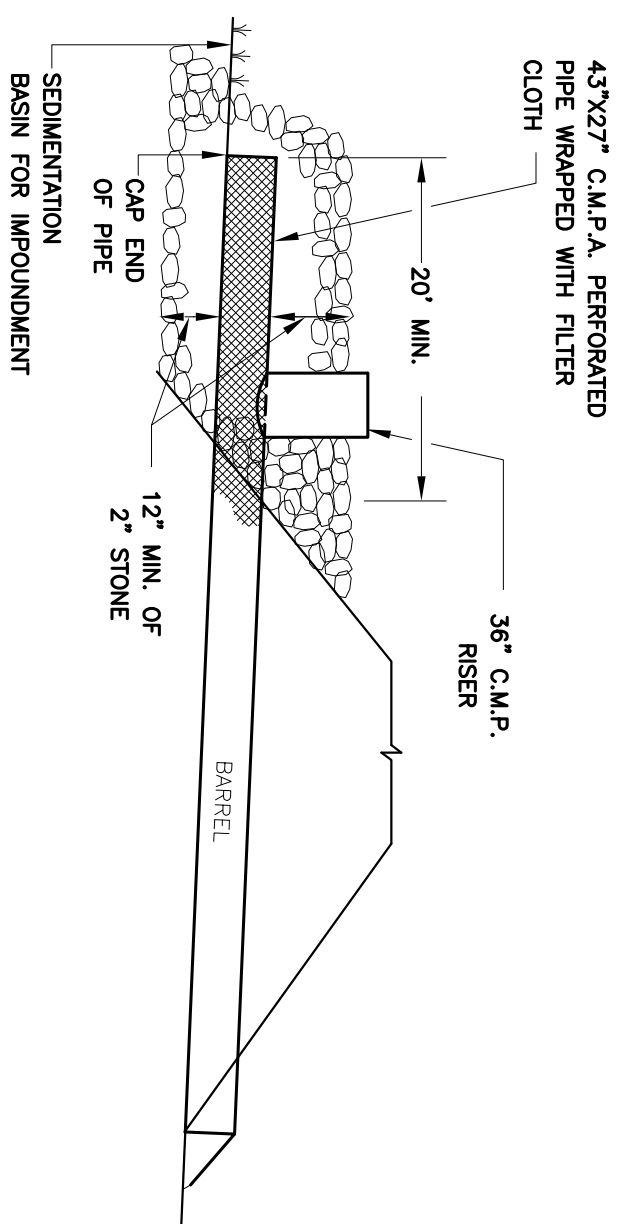


- NOTES**
- PULL POSTS SHALL BE SPACED AT INTERVALS NOT EXCEEDING 500 FEET.
 - END, GATE AND CORNER POSTS SHALL BE BRACED TO ADJACENT LINE POSTS. (MORE THAN 30\"/>
 - FABRIC SHALL BE 0.148\"/>
 - ZINC-COATED STEEL FABRIC BASE METAL SHALL BE COATED WITH PRIME WESTERN SVELTER OR EQUIV.
 - ALUMINUM COATED STEEL FABRIC BASE METAL SHALL BE COATED WITH ALUMINUM ALLOY.
 - FENCE POSTS AND RAILS SHALL RECEIVE THE SAME COATING AND TREATMENT AS THE FENCE FABRIC (DESCRIBED ABOVE).

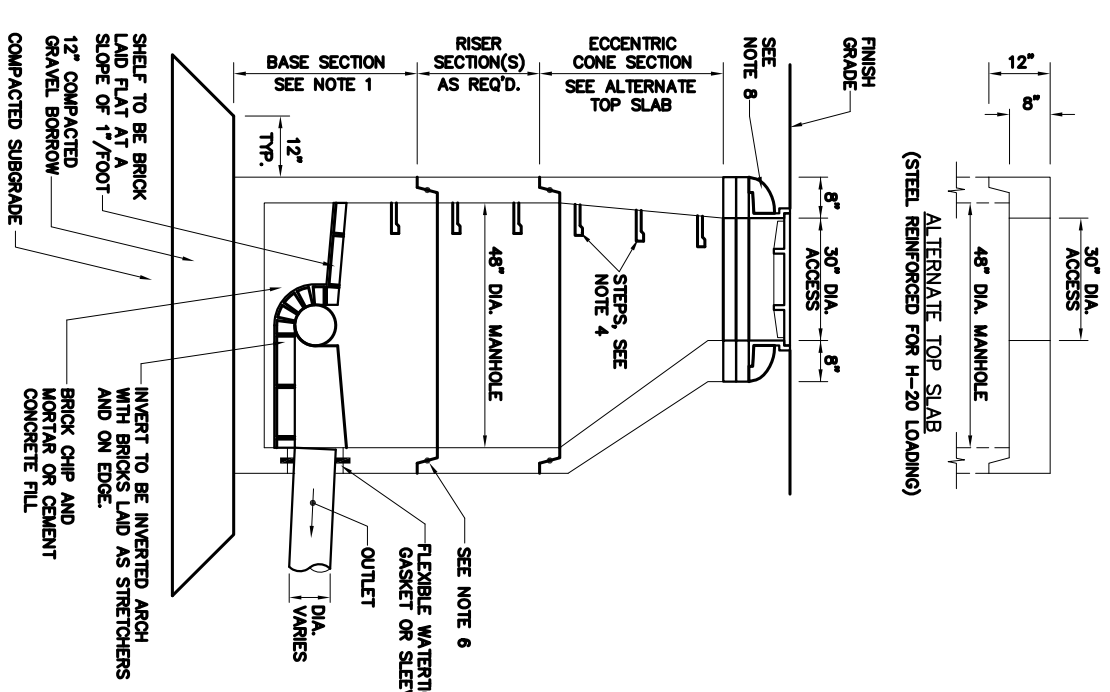
CHAIN LINK FENCE DETAIL
NOT TO SCALE



12/12/2022



- SEDIMENTATION BASIN FOR IMPROVEMENT**
- AREA UNDER EMANKMENT AND OUTLET STRUCTURE SHALL BE CLEARED AND ORDERED. THE POOLING AREA SHALL BE LEFT NATURAL, UNDISTURBED ONLY
 - PERMANENT PERFORATIONS SHALL BE LOCATED WITHIN CONVEX SECTION OF PIPE. CORRUGATION, HOLE SIZE SHALL BE APPROXIMATELY THREE-EIGHTHS (3/8) OF AN INCH.
 - CUT A 36\"/>
 - RAMP SHALL BE CLEARED WHEN SEDIMENT ACCUMULATES TO APPROXIMATELY 18 FOR ELEVATIONS).
 - THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED TO ENSURE PROPER FUNCTIONING OF STRUCTURE.
- SEDIMENTATION AND DEWATERING DETAIL**
NOT TO SCALE

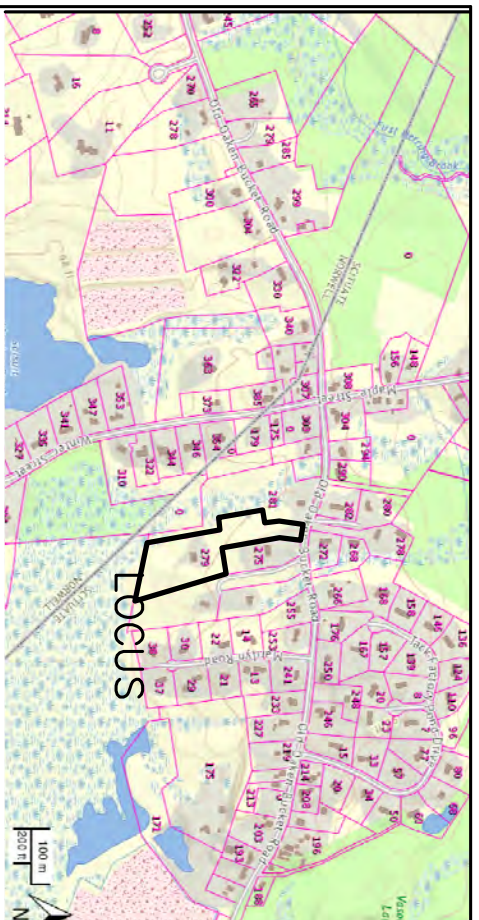


- NOTES**
- BASE SECTION SHALL BE WORKING WITH H-20 LOADING.
 - ALL SECTIONS SHALL BE DESIGNED FOR H-20 LOADING.
 - CONCRETE SHALL BE COMPRESSIVE STRENGTH OF 4000 PSI.
 - MANHOLE STEPS SHALL BE DESIGNED AT 1\"/>
 - ALL STRUCTURES SHALL BE CONSTRUCTED WITHIN 10\"/>
 - ALL STRUCTURES SHALL BE CONSTRUCTED WITHIN 10\"/>
 - STANDING SEWER MANHOLE RINGS AND STAIRS SHALL BE CONSTRUCTED WITHIN 10\"/>
 - STANDING SEWER MANHOLE RINGS AND STAIRS SHALL BE CONSTRUCTED WITHIN 10\"/>
 - STANDING SEWER MANHOLE RINGS AND STAIRS SHALL BE CONSTRUCTED WITHIN 10\"/>

SEWER MANHOLE DETAIL
NOT TO SCALE

TEST PIT NO.	DEPTH OF PIT	SOIL TYPE	TEST PIT NO.	DEPTH OF PIT	SOIL TYPE	TEST PIT NO.	DEPTH OF PIT	SOIL TYPE
TEST PIT LINE 4	0\"/>	A SANDY LOAM	TEST PIT LINE 17	0\"/>	A SANDY LOAM	TEST PIT LINE 2	0\"/>	A SANDY LOAM
TEST PIT LINE 5	0\"/>	A SANDY LOAM	TEST PIT LINE 18	0\"/>	A SANDY LOAM	TEST PIT LINE 3	0\"/>	A SANDY LOAM
TEST PIT LINE 6	0\"/>	A SANDY LOAM	TEST PIT LINE 19	0\"/>	A SANDY LOAM	TEST PIT LINE 4	0\"/>	A SANDY LOAM
TEST PIT LINE 7	0\"/>	A SANDY LOAM	TEST PIT LINE 20	0\"/>	A SANDY LOAM	TEST PIT LINE 5	0\"/>	A SANDY LOAM
TEST PIT LINE 8	0\"/>	A SANDY LOAM	TEST PIT LINE 21	0\"/>	A SANDY LOAM	TEST PIT LINE 6	0\"/>	A SANDY LOAM
TEST PIT LINE 9	0\"/>	A SANDY LOAM	TEST PIT LINE 22	0\"/>	A SANDY LOAM	TEST PIT LINE 7	0\"/>	A SANDY LOAM
TEST PIT LINE 10	0\"/>	A SANDY LOAM	TEST PIT LINE 23	0\"/>	A SANDY LOAM	TEST PIT LINE 8	0\"/>	A SANDY LOAM
TEST PIT LINE 11	0\"/>	A SANDY LOAM	TEST PIT LINE 24	0\"/>	A SANDY LOAM	TEST PIT LINE 9	0\"/>	A SANDY LOAM
TEST PIT LINE 12	0\"/>	A SANDY LOAM	TEST PIT LINE 25	0\"/>	A SANDY LOAM	TEST PIT LINE 10	0\"/>	A SANDY LOAM
TEST PIT LINE 13	0\"/>	A SANDY LOAM	TEST PIT LINE 26	0\"/>	A SANDY LOAM	TEST PIT LINE 11	0\"/>	A SANDY LOAM
TEST PIT LINE 14	0\"/>	A SANDY LOAM	TEST PIT LINE 27	0\"/>	A SANDY LOAM	TEST PIT LINE 12	0\"/>	A SANDY LOAM
TEST PIT LINE 15	0\"/>	A SANDY LOAM	TEST PIT LINE 28	0\"/>	A SANDY LOAM	TEST PIT LINE 13	0\"/>	A SANDY LOAM
TEST PIT LINE 16	0\"/>	A SANDY LOAM	TEST PIT LINE 29	0\"/>	A SANDY LOAM	TEST PIT LINE 14	0\"/>	A SANDY LOAM

SOIL TEST PIT DATA.



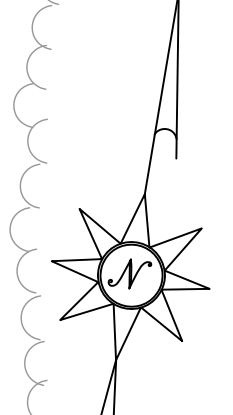
LOCUS MAP NOT TO SCALE

4 CF = SQUARE FEET FOR FILL AREA IN CUBIC FEET
 QUANTITY CELL
 80' X 80'

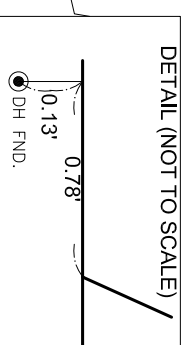
NET FILL MATERIAL = 1,011,200 OR 37,482 CYS
 EXCESS MATERIAL FROM SITE WORK
 MINUS 5 FT (AVERAGE EXCAVATION) FOR FOUNDATIONS
 MINUS FORCES!
 THE COTTAGE: 24' EX X 5' FT DEEP X 1,992 SF = 239,040 CF
 OR 8,854 CYS
 NET FILL VOLUME = 37,482 CYS - 8,854 CYS = 28,599 CYS

UTILITY LEGEND:

SEWER LINE ——— SW ———
 DRAINAGE LINE ———— DJ ————
 UNDERGROUND ELECT/FUGCABLE ———— UF ————
 WATER LINE ———— W ————
 GAS LINE ———— G ————
 MANHOLE ○
 CATCH BASIN □
 HYDRANT ◊
 WATER VALVE ◊
 TRANSFORMER □



NOTE:
 TOP OF INLAND BANK LOCATED
 BY INSTRUMENT SURVEY BY
 THIS FIRM, JANUARY, 2020.



PROFESSIONAL SEAL
 ANTHONY A. ESPOSITO
 CIVIL ENGINEER
 REG. NO. 39782
 12/12/2022

FOR REGISTRY USE ONLY
 PROJECT TITLE:

**THE COTTAGES
 AT
 OLD OAKEN BUCKET
 AT
 #279-281 OLD OAKEN
 BUCKET ROAD
 SCITUATE, MA**

**EXCAVATION QUANTITY
 PLAN**

PREPARED BY:
 PARCEL 41-1-3-D
 PARCEL 41-1-3-0

REGISTERED LAND SURVEYORS
South Shore
Consultants, Inc.
 & CIVIL ENGINEERS
 167 R SUMMER STREET
 KINGSTON, MA 02364
 781-582-2185
 mark@ssscinc.net

PREPARED FOR:
LOVEDALE, LLC
S/O SALT MEADOW DEVELOPMENT
 107 EAST STREET
 DUXBURY, MA 02332

SCALE: **1" = 50'**
 50' 0' 50' 80'

DATE: DECEMBER 12, 2022
 COMP/DESIGN: A. ESPOSITO
 CHECK: M. D. CASEY
 DRAWING: A. ESPOSITO
 FIELD: LILIPS
 APPROVED: M. D. CASEY
 DWG. NO. 1908 SP
 SHEET **16** OF **16**