

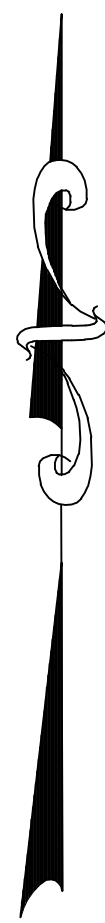
APPROVED BY THE LEDYARD PLANNING AND ZONING COMMISSION.

CHAIRMAN OR SECRETARY _____ DATE _____

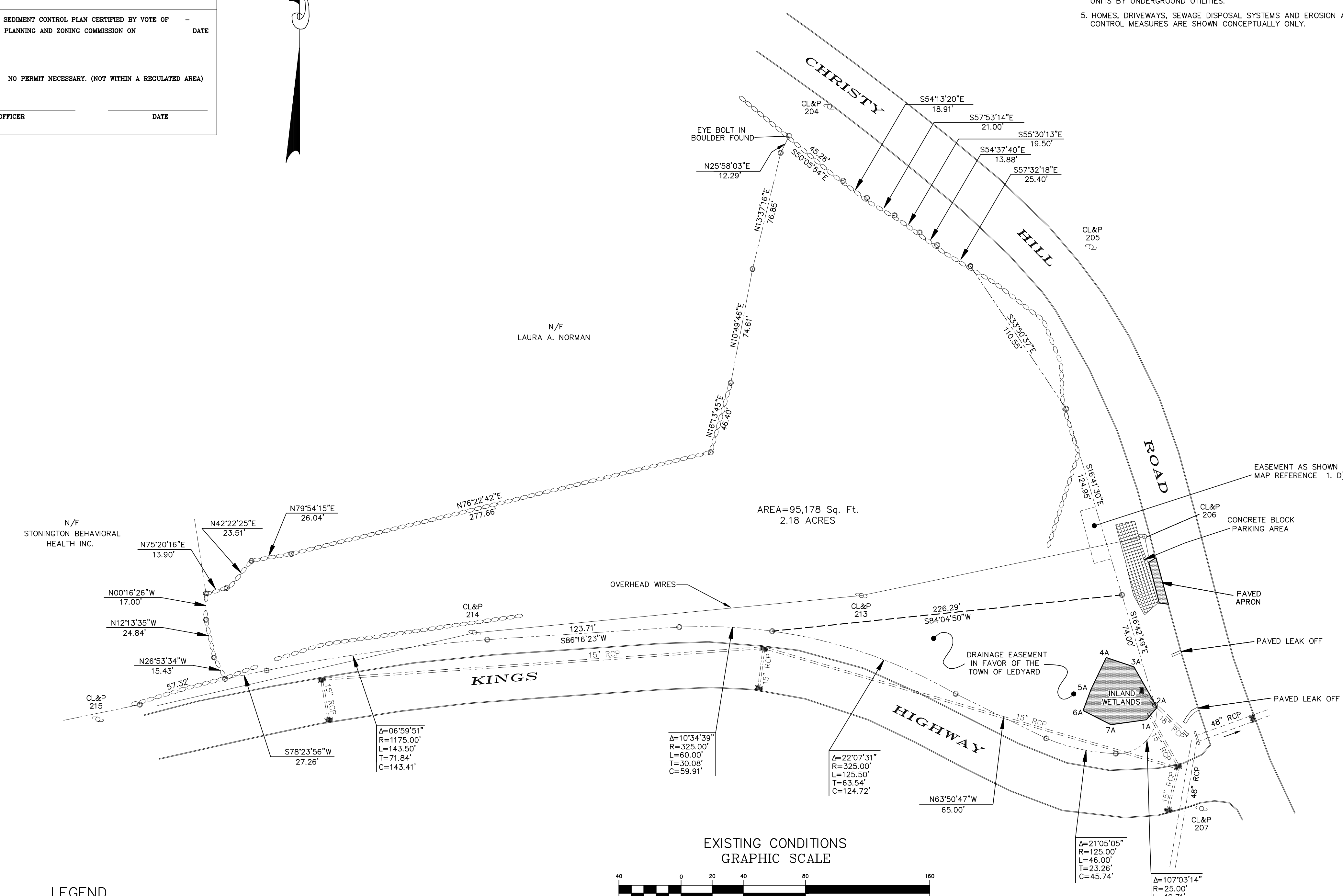
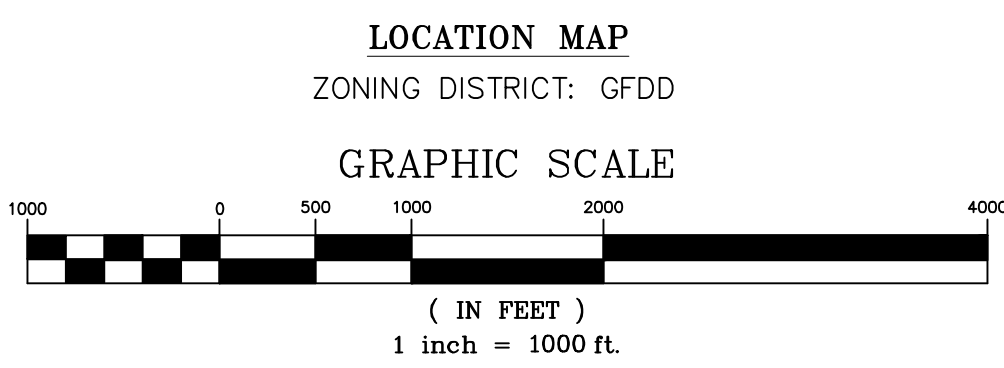
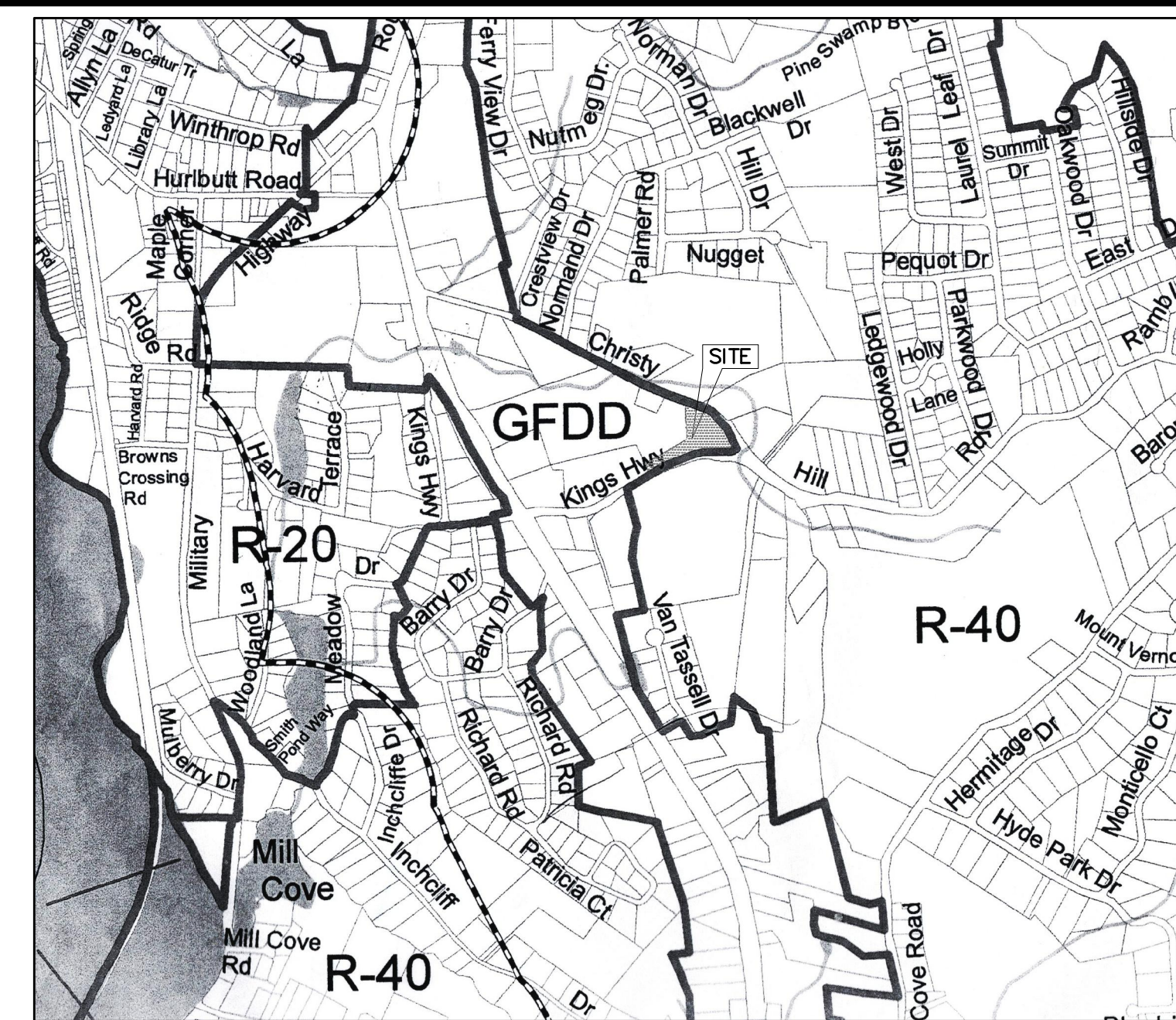
EROSION AND SEDIMENT CONTROL PLAN CERTIFIED BY VOTE OF THE LEDYARD PLANNING AND ZONING COMMISSION ON _____ DATE _____

X NO PERMIT NECESSARY. (NOT WITHIN A REGULATED AREA)

WETLANDS OFFICER _____ DATE _____



- MAP REFERENCES:
 - PLAN SHOWING PROPERTY OF AGATHE B. RONSON, ET. AL. LEDYARD, CONNECTICUT 1"=60' JANUARY 1963 GEORGE H. DIETER L.S.
 - PLAN SHOWING LAND TO BE ACQUIRED FROM AGATHE B. ROBINSON, ET. AL. BY THE TOWN OF LEDYARD, CONNECTICUT SCALE 1"=30' APRIL 1965.
 - PLAN SHOWING RESUBDIVISION OF IRVING H. NORMAN, ET AL. CONNECTICUT ROUTE 12 CHRISTY HILL & KING'S HIGHWAY LEDYARD, CONNECTICUT SCALE: 1"=50' DECEMBER 1992 SHEET 2 OF 2.
 - PLAN OF PERMANENT EASEMENT PREPARED FOR SOUTHERN NEW ENGLAND TELEPHONE COMPANY CHRISTIE HILL ROAD & KING'S HWY LEDYARD, CONNECTICUT SCALE 1"=10' DATE MARCH 31, 1992 SHEET 1 OF 1.
- CALL BEFORE YOU DIG AT 1-800-922-4455 BEFORE ANY CONSTRUCTION ACTIVITY.
- ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM.
- THIS SITE WILL BE SERVED BY PUBLIC WATER AND ON SITE SEWAGE SYSTEM AND UNITS BY UNDERGROUND UTILITIES.
- HOUSES, DRIVEWAYS, SEWAGE DISPOSAL SYSTEMS AND EROSION AND SEDIMENT CONTROL MEASURES ARE SHOWN CONCEPTUALLY ONLY.



LEGEND

| | |
|-------|--------------------------------|
| ----- | STONE WALL |
| ----- | PROPERTY LINE |
| ----- | STREET LINE |
| ■ | CATCH BASIN |
| ○ | UTILITY POLE |
| 7A | EDGE OF WETLANDS & FLAG NUMBER |

SHEET INDEX

| | | |
|---------|---|---|
| SHEET 1 | - | 40 SCALE A-2 BOUNDARY MAP; LOCATION MAP AND GENERAL NOTES |
| SHEET 2 | - | 20 SCALE SITE PLAN |
| SHEET 3 | - | SANITARY DESIGN CRITERIA AND EROSION/SEDIMENT CONTROL NARRATIVE AND DETAILS |
| SHEET 4 | - | DEEP TEST PIT, PERCOLATION TEST RESULTS AND LIGHT POLE DETAIL |

PLAN SHOWING
8-30g PLAN
PROPERTY OF
DONCO, LLC
59 KING HIGHWAY
AND
CHRISTY HILL ROAD
LEDYARD, CONNECTICUT
SCALE: 1"=40'
MARCH 2024

THE WORD "CERTIFY" IS UNDERSTOOD TO BE AN EXPRESSION OF THE PROFESSIONAL OPINION BY THE LAND SURVEYOR WHICH IS BASED ON HIS OR HER BEST KNOWLEDGE, INFORMATION AND BELIEF, AS SUCH IT CONSTITUTES NEITHER GUARANTEE OR WARRANTY.

NOTE: BOUNDARY LINES OF ADJOINING PROPERTIES ARE SHOWN FOR GENERAL INFORMATIONAL PURPOSES ONLY AND ARE NOT TO BE CONSTRUED AS BEING ACCURATELY LOCATED OR DEPICTED.

© THIS DRAWING IS THE PROPERTY OF THE LAND SURVEYOR. THIS PLAN AND REPRODUCTIONS, ADDITIONS OR REVISIONS OF THIS PLAN ARE NOT VALID WITHOUT THE EMBOSSED SEAL AND SIGNATURE OF THE LAND SURVEYOR WHO PREPARED THIS PLAN.
JOB# 24-010.DWG FBK#335

THE STONE WALLS AND/OR FENCES SHOWN AS BOUNDARIES MAY HAVE IRREGULARITIES OF COURSE BETWEEN PRINCIPAL POINTS OF COURSE INDICATED.

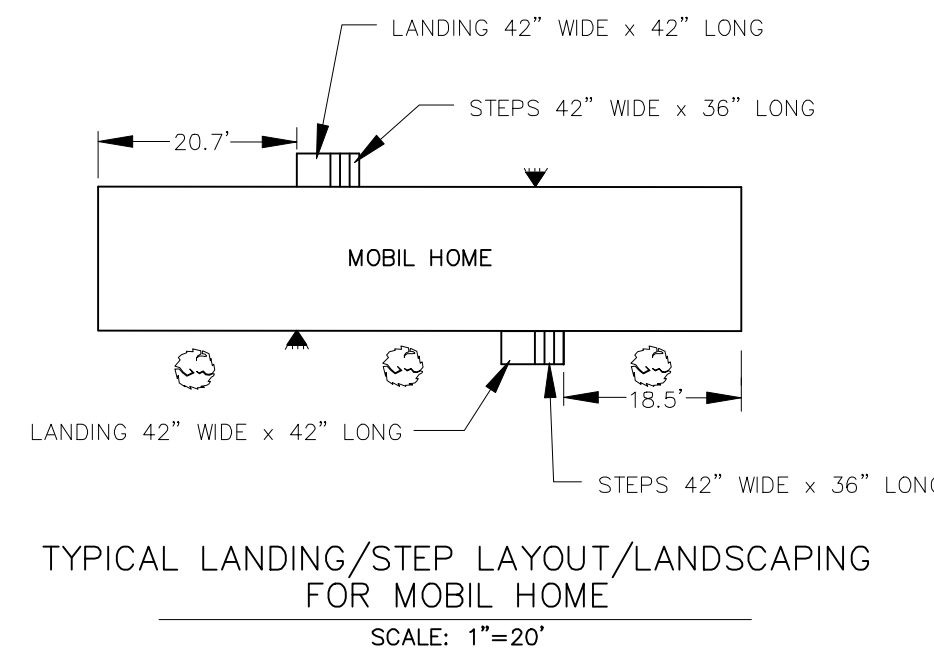
DIETER & GARDNER
LAND SURVEYORS • PLANNERS
1641 CONNECTICUT ROUTE 12
P.O. BOX 335
GALES FERRY, CT, 06335
(860) 464-7455
EMAIL: DIETER.GARDNER@YAHOO.COM

SHEET 1 OF 4

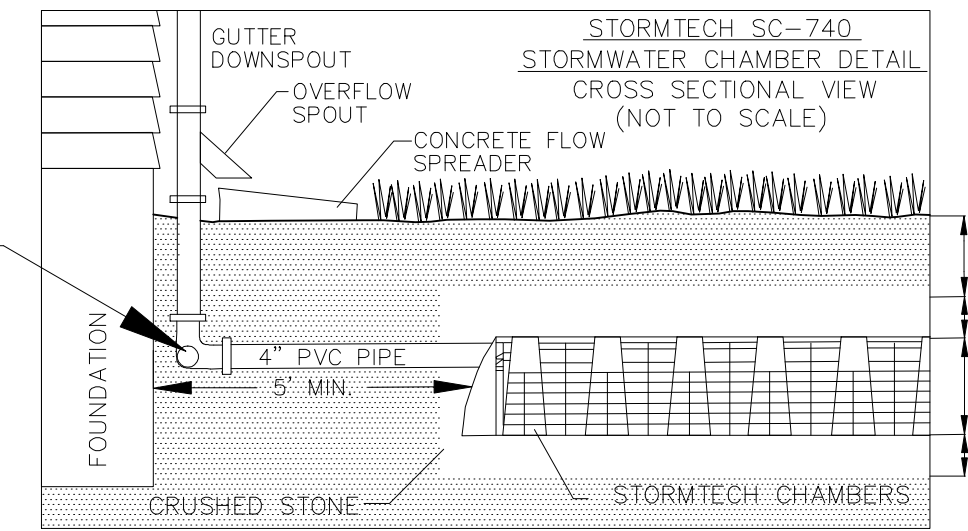
THIS MAP AND SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THROUGH 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES--MINIMUM STANDARDS OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT, ADOPTED EFFECTIVE JUNE 21, 1996, REVISED OCTOBER 26, 2018. IT IS A BOUNDARY SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

TITLE: LAND SURVEYOR CT No. 14208
DATE: MARCH 21, 2024

| | |
|--|------|
| APPROVED BY THE LEDYARD PLANNING AND ZONING COMMISSION. | |
| CHAIRMAN OR SECRETARY | DATE |
| EROSION AND SEDIMENT CONTROL PLAN CERTIFIED BY VOTE OF THE LEDYARD PLANNING AND ZONING COMMISSION ON | |
| | DATE |
| <input checked="" type="checkbox"/> NO PERMIT NECESSARY. (NOT WITHIN A REGULATED AREA) | |
| WETLANDS OFFICER | DATE |



HOMES WILL HAVE ROOF DRAINAGE TIE INTO STORMTECH SC-740 CHAMBER TO INFILTRATE 1" STORM

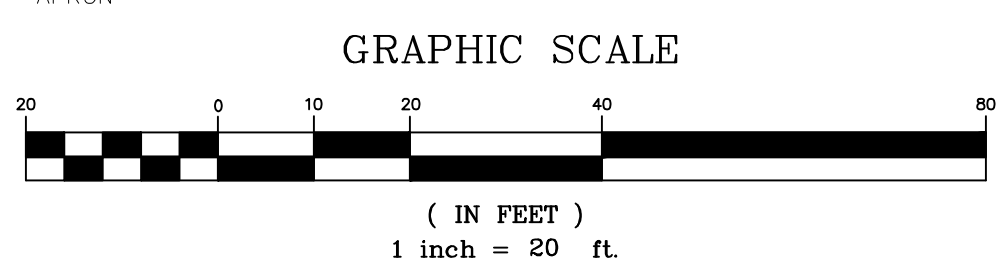
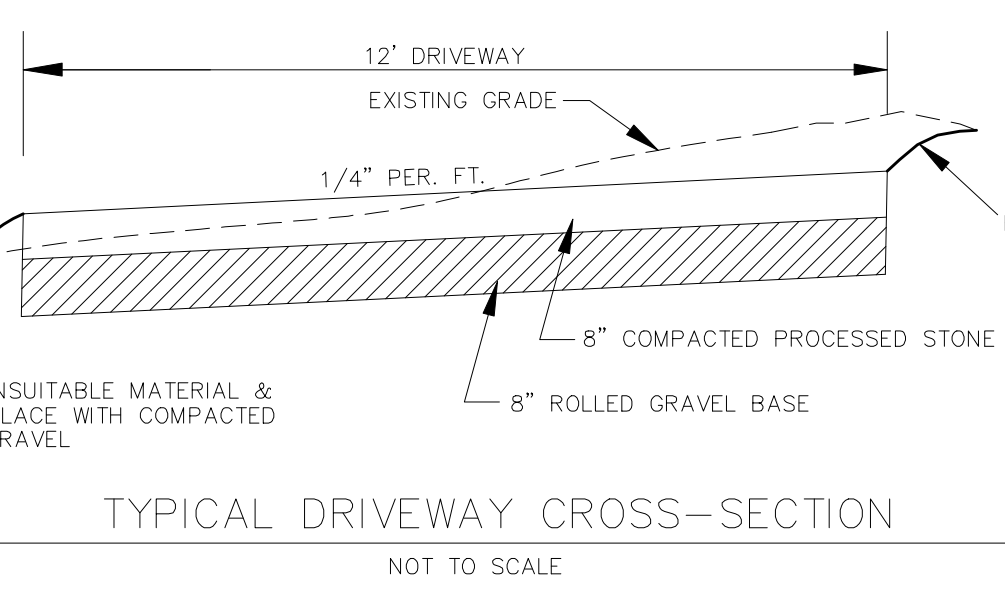
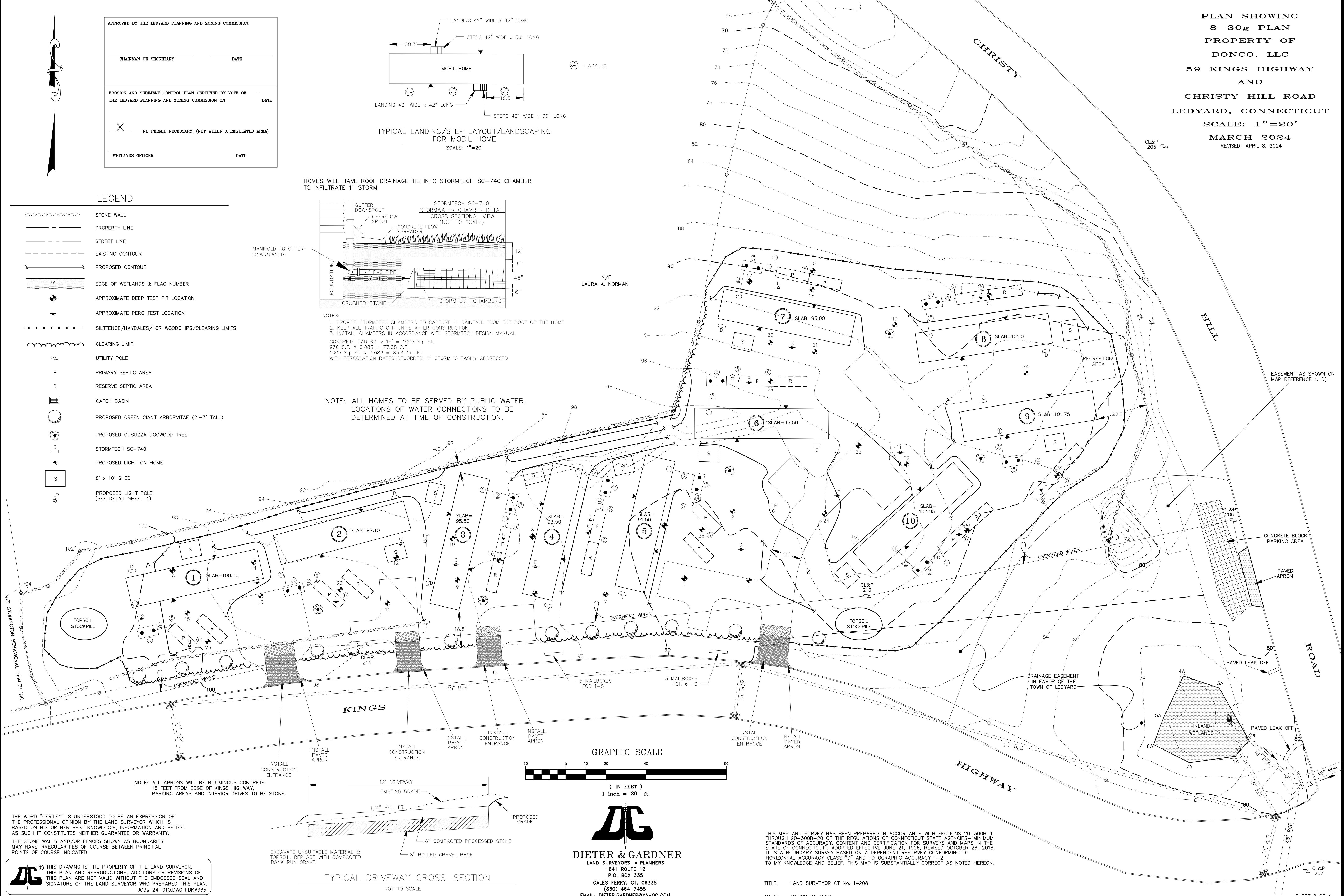


- NOTES:
1. PROVIDE STORMTECH CHAMBERS TO CAPTURE 1" RAINFALL FROM THE ROOF OF THE HOME.
 2. KEEP ALL TRAFFIC OFF UNITS AFTER CONSTRUCTION.
 3. INSTALL CHAMBERS IN ACCORDANCE WITH STORMTECH DESIGN MANUAL.
- CONCRETE PAD 67' x 15' = 1005 Sq. Ft.
 936 S.F. x 0.083 = 77.68 C.F.
 1005 Sq. Ft. x 0.083 = 83.4 Cu. Ft.
 WITH PERCOLATION RATES RECORDED, 1" STORM IS EASILY ADDRESSED

NOTE: ALL HOMES TO BE SERVED BY PUBLIC WATER. LOCATIONS OF WATER CONNECTIONS TO BE DETERMINED AT TIME OF CONSTRUCTION.

LEGEND

- STONE WALL
- PROPERTY LINE
- STREET LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EDGE OF WETLANDS & FLAG NUMBER
- APPROXIMATE DEEP TEST PIT LOCATION
- APPROXIMATE PERC TEST LOCATION
- SILTFENCE/HAYBALES/ OR WOODCHIPS/CLEARING LIMITS
- CLEARING LIMIT
- UTILITY POLE
- PRIMARY SEPTIC AREA
- RESERVE SEPTIC AREA
- CATCH BASIN
- PROPOSED GREEN GIANT ARBORVITAE (2'-3' TALL)
- PROPOSED CUSUZA DOGWOOD TREE
- STORMTECH SC-740
- PROPOSED LIGHT ON HOME
- 8' x 10' SHED
- PROPOSED LIGHT POLE (SEE DETAIL SHEET 4)



DIETER & GARDNER
 LAND SURVEYORS • PLANNERS
 1641 ROUTE 12
 P.O. BOX 335
 GALES FERRY, CT, 06335
 (860) 464-7455
 EMAIL: DIETER.GARDNER@YAHOO.COM

THIS MAP AND SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THROUGH 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES—MINIMUM STANDARDS OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT, ADOPTED EFFECTIVE JUNE 21, 1996, REVISED OCTOBER 26, 2018. IT IS A BOUNDARY SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS "D" AND TOPOGRAPHIC ACCURACY T-2 TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

TITLE: LAND SURVEYOR CT No. 14208
 DATE: MARCH 21, 2024

THE WORD "CERTIFY" IS UNDERSTOOD TO BE AN EXPRESSION OF THE PROFESSIONAL OPINION BY THE LAND SURVEYOR WHICH IS BASED ON HIS OR HER BEST KNOWLEDGE, INFORMATION AND BELIEF. AS SUCH IT CONSTITUTES NEITHER GUARANTEE OR WARRANTY. THE STONE WALLS AND/OR FENCES SHOWN AS BOUNDARIES MAY HAVE IRREGULARITIES OF COURSE BETWEEN PRINCIPAL POINTS OF COURSE INDICATED.

THIS DRAWING IS THE PROPERTY OF THE LAND SURVEYOR. THIS PLAN AND REPRODUCTIONS, ADDITIONS OR REVISIONS OF THIS PLAN ARE NOT VALID WITHOUT THE EMBOSSED SEAL AND SIGNATURE OF THE LAND SURVEYOR WHO PREPARED THIS PLAN. JOB# 24-010.DWG FBK#335

EROSION AND SEDIMENTATION CONTROL PLAN

THIS PLAN HAS BEEN DEVELOPED TO MINIMIZE EROSION AND SEDIMENTATION AND REDUCE THE IMPACT OF STORM WATER RUNOFF DURING CONSTRUCTION USING ENGINEERING PRINCIPALS DETAILED IN THE CONNECTICUT GUIDELINES FOR SOIL AND EROSION AND SEDIMENT CONTROL.

THE ACCOMPANYING PLANS PROVIDE THE FOLLOWING INFORMATION FOR THE IMPLEMENTATION OF THIS PLAN:

- LOCATION OF SEDIMENT CONTROL BARRIERS
- FINISHED GRADES TO BE ACHIEVED
- CONSTRUCTION SEQUENCE AND DETAILS

THIS PROJECT IS FOR THE DEVELOPMENT OF 10 MOBIL HOMES. THERE ARE INLAND WETLANDS ON THIS PROPERTY. MARK COEN 860-608-7181 WILL SERVE AS CONTACT PERSON FOR IMPLEMENTING EROSION AND SEDIMENT CONTROL MEASURES ON THIS PLAN.

CONSTRUCTION SEQUENCE: HOMES

1. STAKEOUT LIMITS OF CONSTRUCTION FOR THE DRIVEWAYS, HOMES AND SEWAGE DISPOSAL SYSTEMS.
2. INSTALL SEDIMENTATION CONTROL BARRIERS AS SHOWN ON THE PLAN.
3. REMOVE EXISTING VEGETATION AND TOPSOIL WITHIN THE LIMITS OF CONSTRUCTION. STOCKPILE TOPSOIL AS SHOWN ON THE PLAN.
4. ROUGH GRADE THE DRIVEWAYS AND HOUSE AREAS.
5. INSTALL/CONNECT UTILITIES
6. FOLLOWING CONSTRUCTION OF THE HOMES, FINISH GRADE ALL DISTURBED AREAS.
7. LOAM AND SEED ALL DISTURBED AREAS.

MAINTENANCE:

INSPECT SEDIMENT BARRIERS AFTER EACH STORM EVENT AND REPAIR OR REPLACE AS NECESSARY. CLEAN OUT OF ACCUMULATED SEDIMENT IS NECESSARY IF 1/2 OF THE ORIGINAL HEIGHT OF THE BARRIER BECOMES FILLED IN WITH SEDIMENT.

GENERAL NOTES:

1. MAINTAIN ALL SEDIMENT AND EROSION CONTROL FACILITIES UNTIL ALL AREAS HAVE BEEN STABILIZED.
2. LIMITS OF DISTURBANCE AND EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSIDERED AS TYPICAL MINIMUM STANDARDS. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL AND FOR IMPLEMENTING ADDITIONAL MEASURES AS SITE CONDITIONS WARRANT.
3. SLOPES IN HIGH MAINTENANCE AREAS SHALL NOT EXCEED 3:1 (H:V).
4. NO DRIVEWAY SHALL BE GREATER THAN 15% SLOPE AT ANY POINT. ANY DRIVEWAY HAVING A GRADE OF 8% OR MORE, BUT NOT EXCEEDING 15%, SHALL BE PAVED FOR THAT PORTION OF DRIVEWAY THAT EXCEEDS 8%.

TEMPORARY SEEDING:

USE A TEMPORARY VEGETATION COVER OF ANNUAL RYE GRASS AT A RATE OF 1.0 lbs./1000 S.F. APPLY 10-10-10 FERTILIZER, OR EQUIVALENT, AT A RATE OF 7.5 lbs./1000 S.F. AND LIME AT A RATE OF 90 lbs./1000 S.F. APPLY STRAW OR HAY MULCH AT A RATE OF 70 lbs./1000 S.F.

PERMANENT SEEDING:

SEED BED PREPARATION: FINE GRADE AND RAKE SOIL SURFACE TO REMOVE STONES LARGER THAN 2" IN DIAMETER. APPLY LIME AT A RATE OF 90 lbs./1000 S.F. FERTILIZE WITH 10-10-10, OR EQUIVALENT, AT A RATE OF 7.5 lbs./1000 S.F. WORK LIME AND FERTILIZER INTO SOIL UNIFORMLY TO A DEPTH OF 4" WITH A HARROW OR EQUIVALENT. SEED APPLICATION: APPLY LAWN SEED BY HAND, CYCLONE SEEDER OR HYDROSEEDER. LIGHTLY DRAG OR ROLL THE SEED SURFACE TO COVER SEED. SEEDING SHOULD BE DONE BETWEEN APRIL 15 AND JUNE 15 OR BETWEEN AUGUST 15 AND SEPTEMBER 30. IF SEEDING CANNOT BE DONE DURING THESE TIMES, REPEAT MULCHING PROCEDURE BELOW UNTIL SEEDING CAN TAKE PLACE. NOTE: IF HYDROSEEDER IS USED, INCREASE SEED MIXTURE BY 10%. MULCHING: IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEED SURFACE WITH STRAW OR HAY AT A RATE OF 70 lbs./1000 S.F. SPREAD MULCH BY HAND OR MULCH BLOWER. PUNCH MULCH INTO SOIL SURFACE WITH TRACK MACHINE OR DISK HARROW.

IT IS ANTICIPATED THAT CONSTRUCTION WILL COMMENCE IN SPRING/SUMMER 2024.

- ① **SANITARY DESIGN CRITERIA:**
- A. PROPOSED TWO BEDROOM HOME. NO TUBS GREATER THAN 100 GALLONS IN SIZE.
 - B. 1000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND PROVIDED.
 - C. DESIGN PERCOLATION RATE: 3 MIN./IN.
 - D. MINIMUM LEACHING SYSTEM SPREAD: NOT APPLICABLE
 - E. EFFECTIVE LEACHING AREA REQUIRED PER CODE: 375 S.F.
 - F. GEOMATRIX GST 6236 SELECTED FOR PRIMARY SEPTIC SYSTEM DESIGN. EFFECTIVE LEACHING AREA PROVIDED PER L.F. PER CODE: 26 S.F. MINIMUM LENGTH OF TRENCH REQUIRED: 375 S.F./ 26 S.F./L.F.=14.4'
 - G. EFFECTIVE LEACHING AREA PROVIDED: 1 - ROW 16' 1' X 16' X 26 S.F./L.F. = 416 S.F.
 - H. 100% RESERVE AREA REQUIRED AND PROVIDED, SAME AS PRIMARY.

SANITARY ELEVATION DATA:

- ① SANITARY INVERT AT SLAB: 100.50
- ② 11"-4" DIA. SCHEDULE 40 ASTM D1785 OR EQUAL PIPE (MIN. SLOPE = 1/4" PER FT.)
- ③ 1000 GALLON TWO COMPARTMENT SEPTIC TANK
INVERT IN: 99.75
INVERT OUT: 99.50
- ④ 6" - 4" DIA. SDR 35 PVC PIPE
- ⑤ "D" BOX
INVERT IN: 99.20
INVERT OUT: 99.00
- ⑥ 16' LONG GEOMATRIX GST 6236
DIST PIPE INV.: 99.00
BOTTOM OF UNIT ELEV.: 96.00

- ② **SANITARY DESIGN CRITERIA:**
- A. PROPOSED TWO BEDROOM HOME. NO TUBS GREATER THAN 100 GALLONS IN SIZE.
 - B. 1000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND PROVIDED.
 - C. DESIGN PERCOLATION RATE: 2 MIN./IN.
 - D. MINIMUM LEACHING SYSTEM SPREAD: NOT APPLICABLE
 - E. EFFECTIVE LEACHING AREA REQUIRED PER CODE: 375 S.F.
 - F. GEOMATRIX GST 6236 SELECTED FOR PRIMARY SEPTIC SYSTEM DESIGN. EFFECTIVE LEACHING AREA PROVIDED PER L.F. PER CODE: 26 S.F. MINIMUM LENGTH OF TRENCH REQUIRED: 375 S.F./ 26 S.F./L.F.=14.4'
 - G. EFFECTIVE LEACHING AREA PROVIDED: 1 - ROW 16' 1' X 16' X 26 S.F./L.F. = 416 S.F.
 - H. 100% RESERVE AREA REQUIRED AND PROVIDED, SAME AS PRIMARY.

SANITARY ELEVATION DATA:

- ① SANITARY INVERT AT SLAB: 97.10
- ② 11"-4" DIA. SCHEDULE 40 ASTM D1785 OR EQUAL PIPE (MIN. SLOPE = 1/4" PER FT.)
- ③ 1000 GALLON TWO COMPARTMENT SEPTIC TANK
INVERT IN: 96.75
INVERT OUT: 96.50
- ④ 6" - 4" DIA. SDR 35 PVC PIPE
- ⑤ "D" BOX
INVERT IN: 96.20
INVERT OUT: 96.00
- ⑥ 16' LONG GEOMATRIX GST 6236
DIST PIPE INV.: 96.00
BOTTOM OF UNIT ELEV.: 93.00

- ③ **SANITARY DESIGN CRITERIA:**
- A. PROPOSED TWO BEDROOM HOME. NO TUBS GREATER THAN 100 GALLONS IN SIZE.
 - B. 1000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND PROVIDED.
 - C. DESIGN PERCOLATION RATE: 2.5 MIN./IN.
 - D. MINIMUM LEACHING SYSTEM SPREAD: NOT APPLICABLE
 - E. EFFECTIVE LEACHING AREA REQUIRED PER CODE: 375 S.F.
 - F. GEOMATRIX GST 6236 SELECTED FOR PRIMARY SEPTIC SYSTEM DESIGN. EFFECTIVE LEACHING AREA PROVIDED PER L.F. PER CODE: 26 S.F. MINIMUM LENGTH OF TRENCH REQUIRED: 375 S.F./ 26 S.F./L.F.=14.4'
 - G. EFFECTIVE LEACHING AREA PROVIDED: 1 - ROW 16' 1' X 16' X 26 S.F./L.F. = 416 S.F.
 - H. 100% RESERVE AREA REQUIRED AND PROVIDED, SAME AS PRIMARY.

SANITARY ELEVATION DATA:

- ① SANITARY INVERT AT SLAB: 95.50
- ② 11"-4" DIA. SCHEDULE 40 ASTM D1785 OR EQUAL PIPE (MIN. SLOPE = 1/4" PER FT.)
- ③ 1000 GALLON TWO COMPARTMENT SEPTIC TANK
INVERT IN: 93.75
INVERT OUT: 93.50
- ④ 6" - 4" DIA. SDR 35 PVC PIPE
- ⑤ "D" BOX
INVERT IN: 93.20
INVERT OUT: 93.00
- ⑥ 16' LONG GEOMATRIX GST 6236
DIST PIPE INV.: 93.00
BOTTOM OF UNIT ELEV.: 90.00

- ④ **SANITARY DESIGN CRITERIA:**
- A. PROPOSED TWO BEDROOM HOME. NO TUBS GREATER THAN 100 GALLONS IN SIZE.
 - B. 1000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND PROVIDED.
 - C. DESIGN PERCOLATION RATE: 1 MIN./IN.
 - D. MINIMUM LEACHING SYSTEM SPREAD: NOT APPLICABLE
 - E. EFFECTIVE LEACHING AREA REQUIRED PER CODE: 375 S.F.
 - F. GEOMATRIX GST 6236 SELECTED FOR PRIMARY SEPTIC SYSTEM DESIGN. EFFECTIVE LEACHING AREA PROVIDED PER L.F. PER CODE: 26 S.F. MINIMUM LENGTH OF TRENCH REQUIRED: 375 S.F./ 26 S.F./L.F.=14.4'
 - G. EFFECTIVE LEACHING AREA PROVIDED: 1 - ROW 16' 1' X 16' X 26 S.F./L.F. = 416 S.F.
 - H. 100% RESERVE AREA REQUIRED AND PROVIDED, SAME AS PRIMARY.

SANITARY ELEVATION DATA:

- ① SANITARY INVERT AT SLAB: 93.50
- ② 11"-4" DIA. SCHEDULE 40 ASTM D1785 OR EQUAL PIPE (MIN. SLOPE = 1/4" PER FT.)
- ③ 1000 GALLON TWO COMPARTMENT SEPTIC TANK
INVERT IN: 90.75
INVERT OUT: 90.50
- ④ 6" - 4" DIA. SDR 35 PVC PIPE
- ⑤ "D" BOX
INVERT IN: 90.20
INVERT OUT: 90.00
- ⑥ 16' LONG GEOMATRIX GST 6236
DIST PIPE INV.: 90.00
BOTTOM OF UNIT ELEV.: 87.00

- ⑤ **SANITARY DESIGN CRITERIA:**
- A. PROPOSED TWO BEDROOM HOME. NO TUBS GREATER THAN 100 GALLONS IN SIZE.
 - B. 1000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND PROVIDED.
 - C. DESIGN PERCOLATION RATE: 2 MIN./IN.
 - D. MINIMUM LEACHING SYSTEM SPREAD: NOT APPLICABLE
 - E. EFFECTIVE LEACHING AREA REQUIRED PER CODE: 375 S.F.
 - F. GEOMATRIX GST 6236 SELECTED FOR PRIMARY SEPTIC SYSTEM DESIGN. EFFECTIVE LEACHING AREA PROVIDED PER L.F. PER CODE: 26 S.F. MINIMUM LENGTH OF TRENCH REQUIRED: 375 S.F./ 26 S.F./L.F.=14.4'
 - G. EFFECTIVE LEACHING AREA PROVIDED: 1 - ROW 16' 1' X 16' X 26 S.F./L.F. = 416 S.F.
 - H. 100% RESERVE AREA REQUIRED AND PROVIDED, SAME AS PRIMARY.

SANITARY ELEVATION DATA:

- ① SANITARY INVERT AT SLAB: 91.50
- ② 11"-4" DIA. SCHEDULE 40 ASTM D1785 OR EQUAL PIPE (MIN. SLOPE = 1/4" PER FT.)
- ③ 1000 GALLON TWO COMPARTMENT SEPTIC TANK
INVERT IN: 89.75
INVERT OUT: 89.50
- ④ 6" - 4" DIA. SDR 35 PVC PIPE
- ⑤ "D" BOX
INVERT IN: 89.20
INVERT OUT: 89.00
- ⑥ 16' LONG GEOMATRIX GST 6236
DIST PIPE INV.: 89.00
BOTTOM OF UNIT ELEV.: 86.00

- ⑥ **SANITARY DESIGN CRITERIA:**
- A. PROPOSED TWO BEDROOM HOME. NO TUBS GREATER THAN 100 GALLONS IN SIZE.
 - B. 1000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND PROVIDED.
 - C. DESIGN PERCOLATION RATE: 7 MIN./IN.
 - D. MINIMUM LEACHING SYSTEM SPREAD: NOT APPLICABLE
 - E. EFFECTIVE LEACHING AREA REQUIRED PER CODE: 375 S.F.
 - F. GEOMATRIX GST 6236 SELECTED FOR PRIMARY SEPTIC SYSTEM DESIGN. EFFECTIVE LEACHING AREA PROVIDED PER L.F. PER CODE: 26 S.F. MINIMUM LENGTH OF TRENCH REQUIRED: 375 S.F./ 26 S.F./L.F.=14.4'
 - G. EFFECTIVE LEACHING AREA PROVIDED: 1 - ROW 16' 1' X 16' X 26 S.F./L.F. = 416 S.F.
 - H. 100% RESERVE AREA REQUIRED AND PROVIDED, SAME AS PRIMARY.

SANITARY ELEVATION DATA:

- ① SANITARY INVERT AT SLAB: 95.50
- ② 11"-4" DIA. SCHEDULE 40 ASTM D1785 OR EQUAL PIPE (MIN. SLOPE = 1/4" PER FT.)
- ③ 1000 GALLON TWO COMPARTMENT SEPTIC TANK
INVERT IN: 94.25
INVERT OUT: 94.00
- ④ 6" - 4" DIA. SDR 35 PVC PIPE
- ⑤ "D" BOX
INVERT IN: 93.70
INVERT OUT: 93.50
- ⑥ 16' LONG GEOMATRIX GST 6236
DIST PIPE INV.: 93.50
BOTTOM OF UNIT ELEV.: 90.50

- ⑦ **SANITARY DESIGN CRITERIA:**
- A. PROPOSED TWO BEDROOM HOME. NO TUBS GREATER THAN 100 GALLONS IN SIZE.
 - B. 1000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND PROVIDED.
 - C. DESIGN PERCOLATION RATE: 5 MIN./IN.
 - D. MINIMUM LEACHING SYSTEM SPREAD: NOT APPLICABLE
 - E. EFFECTIVE LEACHING AREA REQUIRED PER CODE: 375 S.F.
 - F. GEOMATRIX GST 6236 SELECTED FOR PRIMARY SEPTIC SYSTEM DESIGN. EFFECTIVE LEACHING AREA PROVIDED PER L.F. PER CODE: 26 S.F. MINIMUM LENGTH OF TRENCH REQUIRED: 375 S.F./ 26 S.F./L.F.=14.4'
 - G. EFFECTIVE LEACHING AREA PROVIDED: 1 - ROW 16' 1' X 16' X 26 S.F./L.F. = 416 S.F.
 - H. 100% RESERVE AREA REQUIRED AND PROVIDED, SAME AS PRIMARY.

SANITARY ELEVATION DATA:

- ① SANITARY INVERT AT SLAB: 93.00
- ② 11"-4" DIA. SCHEDULE 40 ASTM D1785 OR EQUAL PIPE (MIN. SLOPE = 1/4" PER FT.)
- ③ 1000 GALLON TWO COMPARTMENT SEPTIC TANK
INVERT IN: 89.50
INVERT OUT: 89.25
- ④ 6" - 4" DIA. SDR 35 PVC PIPE
- ⑤ "D" BOX
INVERT IN: 88.95
INVERT OUT: 88.75
- ⑥ 16' LONG GEOMATRIX GST 6236
DIST PIPE INV.: 89.50
BOTTOM OF UNIT ELEV.: 85.75

- ⑧ **SANITARY DESIGN CRITERIA:**
- A. PROPOSED TWO BEDROOM HOME. NO TUBS GREATER THAN 100 GALLONS IN SIZE.
 - B. 1000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND PROVIDED.
 - C. DESIGN PERCOLATION RATE: 2 MIN./IN.
 - D. MINIMUM LEACHING SYSTEM SPREAD: NOT APPLICABLE
 - E. EFFECTIVE LEACHING AREA REQUIRED PER CODE: 375 S.F.
 - F. GEOMATRIX GST 6236 SELECTED FOR PRIMARY SEPTIC SYSTEM DESIGN. EFFECTIVE LEACHING AREA PROVIDED PER L.F. PER CODE: 26 S.F. MINIMUM LENGTH OF TRENCH REQUIRED: 375 S.F./ 26 S.F./L.F.=14.4'
 - G. EFFECTIVE LEACHING AREA PROVIDED: 1 - ROW 16' 1' X 16' X 26 S.F./L.F. = 416 S.F.
 - H. 100% RESERVE AREA REQUIRED AND PROVIDED, SAME AS PRIMARY.

SANITARY ELEVATION DATA:

- ① SANITARY INVERT AT SLAB: 101.0
- ② 11"-4" DIA. SCHEDULE 40 ASTM D1785 OR EQUAL PIPE (MIN. SLOPE = 1/4" PER FT.)
- ③ 1000 GALLON TWO COMPARTMENT SEPTIC TANK
INVERT IN: 87.75
INVERT OUT: 87.50
- ④ 6" - 4" DIA. SDR 35 PVC PIPE
- ⑤ "D" BOX
INVERT IN: 87.20
INVERT OUT: 87.00
- ⑥ 16' LONG GEOMATRIX GST 6236
DIST PIPE INV.: 87.00
BOTTOM OF UNIT ELEV.: 84.00

- ⑨ **SANITARY DESIGN CRITERIA:**
- A. PROPOSED TWO BEDROOM HOME. NO TUBS GREATER THAN 100 GALLONS IN SIZE.
 - B. 1000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND PROVIDED.
 - C. DESIGN PERCOLATION RATE: 3 MIN./IN.
 - D. MINIMUM LEACHING SYSTEM SPREAD: NOT APPLICABLE
 - E. EFFECTIVE LEACHING AREA REQUIRED PER CODE: 375 S.F.
 - F. GEOMATRIX GST 6236 SELECTED FOR PRIMARY SEPTIC SYSTEM DESIGN. EFFECTIVE LEACHING AREA PROVIDED PER L.F. PER CODE: 26 S.F. MINIMUM LENGTH OF TRENCH REQUIRED: 375 S.F./ 26 S.F./L.F.=14.4'
 - G. EFFECTIVE LEACHING AREA PROVIDED: 1 - ROW 16' 1' X 16' X 26 S.F./L.F. = 416 S.F.
 - H. 100% RESERVE AREA REQUIRED AND PROVIDED, SAME AS PRIMARY.

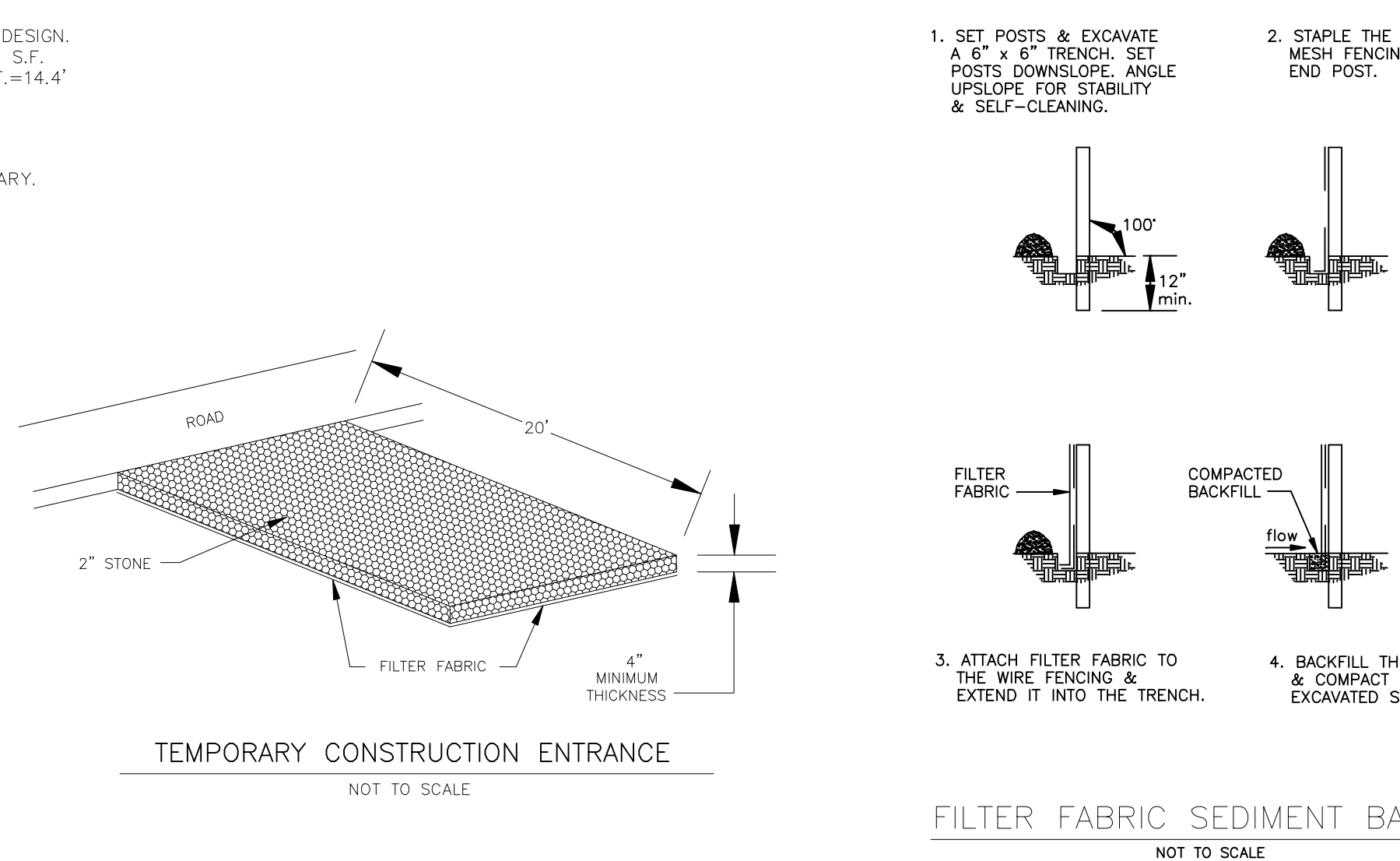
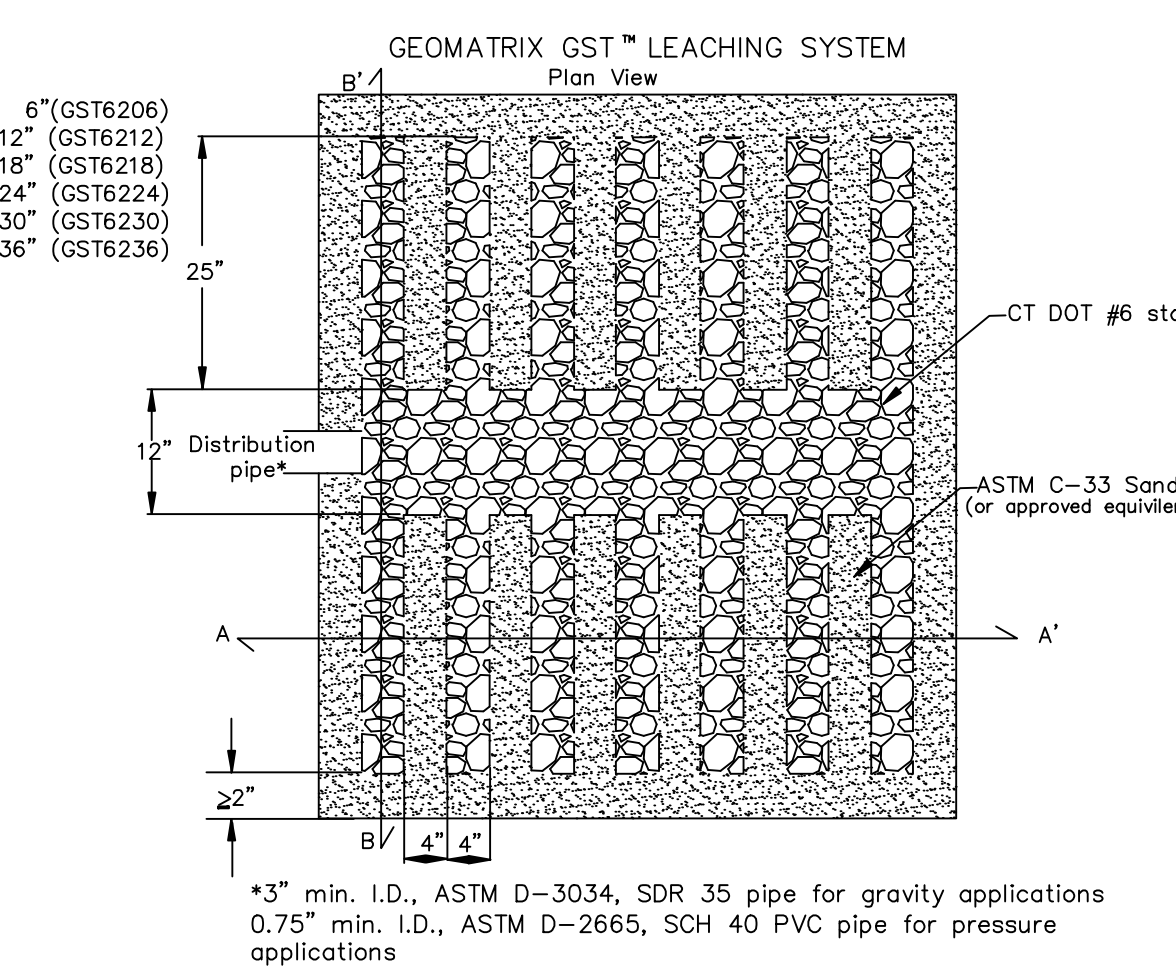
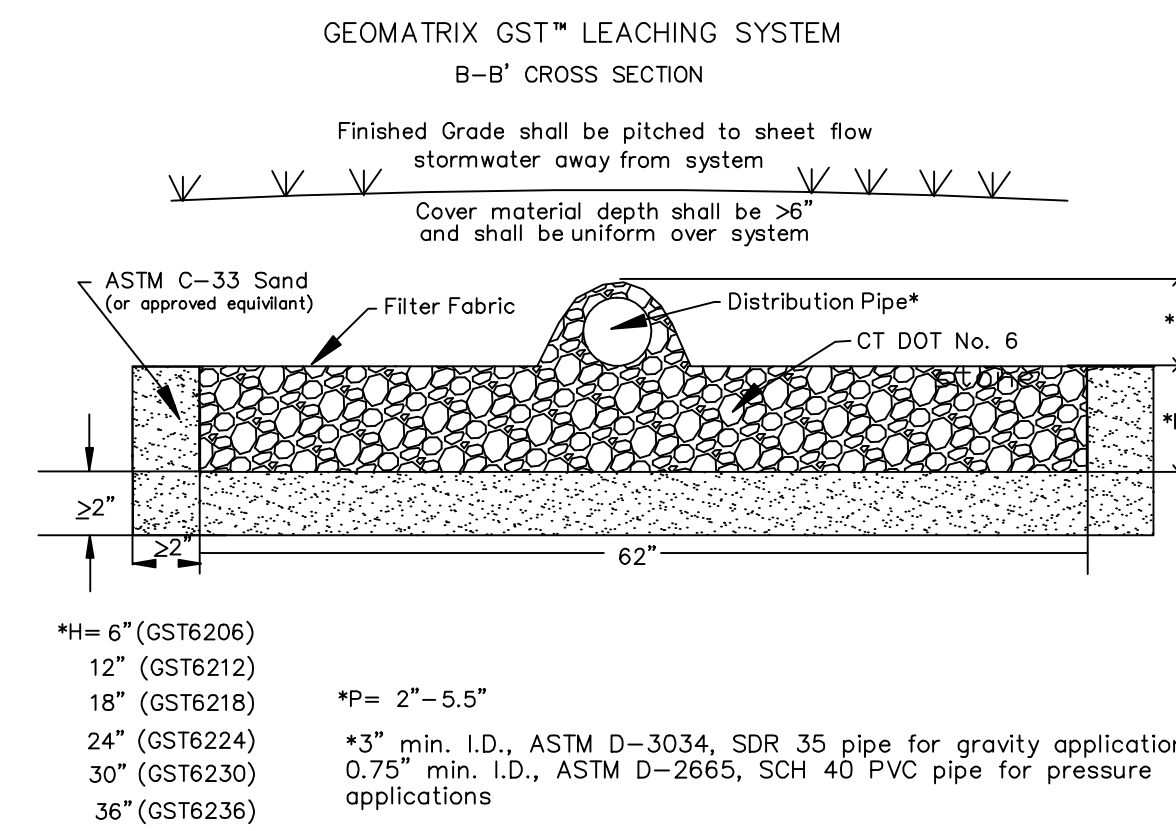
SANITARY ELEVATION DATA:

- ① SANITARY INVERT AT SLAB: 101.75
- ② 18"-4" DIA. SCHEDULE 40 ASTM D1785 OR EQUAL PIPE (MIN. SLOPE = 1/4" PER FT.)
- ③ 1000 GALLON TWO COMPARTMENT SEPTIC TANK
INVERT IN: 89.75
INVERT OUT: 89.50
- ④ 6" - 4" DIA. SDR 35 PVC PIPE
- ⑤ "D" BOX
INVERT IN: 89.20
INVERT OUT: 89.00
- ⑥ 16' LONG GEOMATRIX GST 6236
DIST PIPE INV.: 89.00
BOTTOM OF UNIT ELEV.: 86.00

- ⑩ **SANITARY DESIGN CRITERIA:**
- A. PROPOSED TWO BEDROOM HOME. NO TUBS GREATER THAN 100 GALLONS IN SIZE.
 - B. 1000 GALLON TWO COMPARTMENT SEPTIC TANK REQUIRED BY CODE AND PROVIDED.
 - C. DESIGN PERCOLATION RATE: 2.5 MIN./IN.
 - D. MINIMUM LEACHING SYSTEM SPREAD: NOT APPLICABLE
 - E. EFFECTIVE LEACHING AREA REQUIRED PER CODE: 375 S.F.
 - F. GEOMATRIX GST 6236 SELECTED FOR PRIMARY SEPTIC SYSTEM DESIGN. EFFECTIVE LEACHING AREA PROVIDED PER L.F. PER CODE: 26 S.F. MINIMUM LENGTH OF TRENCH REQUIRED: 375 S.F./ 26 S.F./L.F.=14.4'
 - G. EFFECTIVE LEACHING AREA PROVIDED: 1 - ROW 16' 1' X 16' X 26 S.F./L.F. = 416 S.F.
 - H. 100% RESERVE AREA REQUIRED AND PROVIDED, SAME AS PRIMARY.

SANITARY ELEVATION DATA:

- ① SANITARY INVERT AT SLAB: 103.95
- ② 11"-4" DIA. SCHEDULE 40 ASTM D1785 OR EQUAL PIPE (MIN. SLOPE = 1/4" PER FT.)
- ③ 1000 GALLON TWO COMPARTMENT SEPTIC TANK
INVERT IN: 90.25
INVERT OUT: 90.00
- ④ 6" - 4" DIA. SDR 35 PVC PIPE
- ⑤ "D" BOX
INVERT IN: 89.70
INVERT OUT: 89.50
- ⑥ 16' LONG GEOMATRIX GST 6236
DIST PIPE INV.: 89.50
BOTTOM OF UNIT ELEV.: 86.50



FILTER FABRIC SEDIMENT BARRIER
NOT TO SCALE

APPROVED BY THE LEDYARD PLANNING AND ZONING COMMISSION.

CHAIRMAN OR SECRETARY _____ DATE _____

EROSION AND SEDIMENT CONTROL PLAN CERTIFIED BY VOTE OF THE LEDYARD PLANNING AND ZONING COMMISSION ON _____ DATE _____

X NO PERMIT NECESSARY. (NOT WITHIN A REGULATED AREA)

WETLANDS OFFICER _____ DATE _____

**PLAN SHOWING
8-30g PLAN
SANITARY DESIGN CRITERIA,
SANITARY ELEVATION DATA,
EROSION AND SEDIMENT
CONTROL NARRATIVE
AND DETAILS
PROPERTY OF
DONCO, LLC
59 KINGS HIGHWAY
AND
CHRISTY HILL ROAD
LEDYARD, CONNECTICUT
MARCH 2024**

© THIS DRAWING IS THE PROPERTY OF THE LAND SURVEYOR. THIS PLAN AND REPRODUCTIONS, ADDITIONS OR REVISIONS OF THIS PLAN ARE NOT VALID WITHOUT THE EMBOSSED SEAL AND SIGNATURE OF THE LAND SURVEYOR WHO PREPARED THIS PLAN. JOB# 24-010.DWG FBK#335

DIETER & GARDNER
LAND SURVEYORS • PLANNERS
1641 ROUTE 12
P.O. BOX 335
GALES FERRY, CT. 06335
(860) 464-7455
EMAIL: DIETER.GARDNER@YAHOO.COM

DEEP TEST PIT DATA

WITNESSED AND RECORDED BY JOSEPH BLANCHARD REHS/RS LEDGE LIGHT HEALTH DISTRICT AND RECEIVED ON JANUARY 19 & 22 2024.

| | | |
|---|--|---|
| <p>TP 1 0-7" TOPSOIL 7-38" YELLOW BROWN FINE SAND 38-58" YELLOW BROWN MEDIUM SAND AND GRAVEL 58-98" YELLOW BROWN FINE SAND WITH MINIMAL STAINING (NOT MOTTLING) NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 2 N. SIDE OF HOLE: 3-35" FILL MATERIAL, DARK BROWN MEDIUM LOAM WITH HUMAN DEBRIS S. SIDE HOLE: 0-6" TOPSOIL 6-28" ORANGE BROWN MEDIUM SAND AND GRAVEL 28-37" TAN GRAY COARSE SAND AND GRAVEL WITH COBBLES 37-71" TAN YELLOW BROWN MEDIUM SAND AND GRAVEL 71-97" TAN YELLOW BROWN FINE SAND NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 3 0-4" TOPSOIL 4-57" YELLOW BROWN MEDIUM TO COARSE SAND AND GRAVEL WITH COBBLES 57-105" TAN YELLOW BROWN FINE SAND 64-77" SIGNIFICANT STAINING MOTTLING @ 64" NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 4 0-52" FILL MATERIAL, DARK BROWN MEDIUM LOAM WITH HUMAN DEBRIS 52-94" TAN YELLOW BROWN FINE TO MEDIUM SAND WITH GRAVEL NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 5 0-3" TOPSOIL 3-42" TAN YELLOW BROWN MEDIUM SAND AND GRAVEL 42-94" TAN GRAY FINE SAND NO MOTTLING NO WATER NO LEDGE ROOTS TO: 70" NO RESTRICTIVE</p> <p>TP 6 0-3" TOPSOIL 3-22" ORANGE BROWN MEDIUM SAND 22-50" TAN YELLOW BROWN MEDIUM SAND AND GRAVEL 50-78" TAN YELLOW BROWN FINE SAND 78-102" TAN GRAY FINE SAND AND GRAVEL WITH COBBLES NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 7 0-3" TOPSOIL 3-25" YELLOW BROWN VERY FINE SAND WITH MINIMAL SILT 25-42" YELLOW BROWN TAN COARSE SAND AND GRAVEL WITH COBBLES 42-72" TAN YELLOW BROWN TO FINE TO MEDIUM SAND 72-96" TAN YELLOW BROWN MEDIUM SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE ROOTS TO: 49" NO RESTRICTIVE</p> <p>TP 8 0-4" TOPSOIL 4-13" ORANGE BROWN VERY FINE SANDY LOAM 13-112" LIGHT BROWN TAN MEDIUM TO COARSE SAND AND GRAVEL WITH COBBLES AND SOME LARGE ROCKS NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 9 0-3" TOPSOIL 3-27" ORANGE BROWN VERY FINE SANDY LOAM 27-78" OLIVE GRAY VERY FINE SAND LOAM SOME SILT AND INCONSISTENT STAINING 78-104" GRAY MEDIUM SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE ROOTS TO: 59" NO RESTRICTIVE</p> <p>TP 10 0-3" TOPSOIL 3-45" ORANGE BROWN VERY FINE SANDY LOAM SOME SILT 45-75" OLIVE GRAY VERY FINE SANDY LOAM SOME SILT 75-97" TAN GRAY FINE TO MEDIUM SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE ROOTS TO: 75" NO RESTRICTIVE</p> | <p>TP 11 0-9" TOPSOIL 9-26" LIGHT BROWN FINE SANDY LOAM 26-43" YELLOW ORANGE BROWN VERY FINE SANDY LOAM SOME SILT 43-90" TAN OLIVE VERY FINE SANDY LOAM SOME SILT 90-102" TAN GRAY FINE SAND NO MOTTLING NO WATER NO LEDGE ROOTS TO: 62" NO RESTRICTIVE</p> <p>TP 12 0-8" TOPSOIL 8-36" ORANGE BROWN VERY FINE SANDY LOAM 36-69" OLIVE GRAY VERY FINE SANDY LOAM SOME SILT 69-98" GRAY TAN FINE TO MEDIUM SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE ROOTS TO: 48" NO RESTRICTIVE</p> <p>TP 13 0-3" TOPSOIL 3-36" BRIGHT RED/ORANGE BROWN VERY FINE SANDY LOAM 36-48" OLIVE GRAY VERY FINE SANDY LOAM SOME SILT 48-110" TAN GRAY TAN MEDIUM SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE ROOTS TO: 61" NO RESTRICTIVE</p> <p>TP 14 0-15" TOPSOIL AND FILL MIXTURE 15-35" BRIGHT RED/ORANGE BROWN VERY FINE SANDY LOAM 35-45" OLIVE GRAY VERY FINE SANDY LOAM SOME SILT 45-65" ORANGE BROWN VERY FINE SAND WITH SOME INCONSISTENT STAINING 64-94" YELLOW BROWN MEDIUM SAND AND GRAVEL WITH COBBLES NO MOTTLING NO WATER NO LEDGE ROOTS TO: 72" NO RESTRICTIVE</p> <p>TP 15 N. SIDE OF HOLE: 0-2" TOPSOIL 2-28" GRAY TAN VERY FINE SANDY LOAM 28-101" DARK GRAY OLIVE MEDIUM SAND AND GRAVEL S. SIDE OF HOLE: 0-16" TOPSOIL AND FILL MIXTURE 16-27" ORANGE BROWN VERY FINE SANDY LOAM WITH INCONSISTENT STAINING 27-43" OLIVE GRAY VERY FINE SILT LOAM NO MOTTLING NO WATER NO LEDGE ROOTS TO: 77" NO RESTRICTIVE</p> <p>TP 16 0-4" TOPSOIL 4-21" YELLOW BROWN VERY FINE SAND LOAM WITH SOME INCONSISTENT STAINING 21-30" OLIVE GRAY VERY FINE SILT LOAM 30-49" ORANGE BROWN FINE TO MEDIUM SAND NO MOTTLING NO WATER NO LEDGE RESTRICTIVE: 49" LEDGE ROOTS TO: 48" NO RESTRICTIVE</p> <p>TP 17 0-10" TOPSOIL 10-23" ORANGE BROWN FINE SANDY LOAM 23-91" DARK BROWN GRAY MEDIUM TO COARSE SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE ROOTS TO: 42" NO RESTRICTIVE</p> | <p>TP 18 0-9" TOPSOIL 9-23" ORANGE BROWN FINE SANDY LOAM 23-92" DARK BROWN GRAY MEDIUM TO COARSE SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE ROOTS TO: 50" NO RESTRICTIVE</p> <p>TP 19 0-6" TOPSOIL 6-45" ORANGE BROWN FINE SANDY LOAM 45-80" TAN GRAY VERY FINE SANDY LOAM SOME SILT STAINING 80-96" DARK BROWN GRAY MEDIUM TO COARSE SAND AND GRAVEL MOTTLING @ 67" NO WATER NO LEDGE ROOTS TO: 67" RESTRICTIVE: 67" MOTTLING</p> <p>TP 20 0-7" TOPSOIL 7-21" ORANGE BROWN FINE SANDY LOAM 21-101" DARK BROWN GRAY MEDIUM TO COARSE SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE ROOTS TO: 33" NO RESTRICTIVE</p> <p>TP 21 0-7" TOPSOIL 7-32" ORANGE BROWN FINE SANDY LOAM 32-50" GRAY TAN VERY FINE SANDY LOAM 50-94" DARK BROWN GRAY MEDIUM TO COARSE SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE ROOTS TO: 51" NO RESTRICTIVE</p> <p>TP 22 0-6" TOPSOIL 6-30" ORANGE BROWN FINE SANDY LOAM 30-50" TAN GRAY VERY FINE SANDY LOAM 50-1" DARK BROWN GRAY NO MOTTLING NO WATER NO LEDGE ROOTS TO: 44" NO RESTRICTIVE</p> <p>TP 23 0-8" TOPSOIL 8-23" ORANGE BROWN FINE SANDY LOAM 23-43" YELLOW BROWN FINE SANDY LOAM 43-93" DARK BROWN GRAY MEDIUM TO COARSE SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE ROOTS TO: 62" NO RESTRICTIVE</p> <p>TP 24 0-28" FILL MATERIAL 28-50" TAN GRAY MEDIUM SAND 50-100" DARK BROWN GRAY MEDIUM TO COARSE SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE ROOTS TO: 62" NO RESTRICTIVE</p> |
|---|--|---|

DEEP TEST PIT DATA

WITNESSED AND RECORDED BY JOSEPH BLANCHARD REHS/RS LEDGE LIGHT HEALTH DISTRICT AND RECEIVED ON 3/1/2024.

| | |
|--|---|
| <p>TP 25 0-4" TOPSOIL 4-15" ORANGE BROWN FINE SANDY LOAM 15-55" TAN GRAY VERY FINE SAND, FAINT STAINING @45-55" 55-71" ORANGE BROWN TAN COARSE SAND AND GRAVEL 71-97" TAN GRAY FINE TO MEDIUM SAND AND GRAVEL W/COBBLES NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 27 0-3" TOPSOIL 3-10" ORANGE BROWN MEDIUM SANDY LOAM 10-95" TAN YELLOW BROWN MEDIUM TO COARSE SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 29 0-13" TOPSOIL 13-36" ORANGE BROWN FINE SANDY LOAM W/COBBLES 36-97" DARK BROWN GRAY MEDIUM TO COARSE SAND AND GRAVEL W/COBBLES NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 31 0-7" TOPSOIL 7-32" ORANGE BROWN FINE SANDY LOAM 32-49" TAN OLIVE GRAY VERY FINE SANDY LOAM 49-64" DARK GRAY FINE TO MEDIUM SAND SLIGHTLY COMPACT 64-109" DARK GRAY FINE TO MEDIUM SAND AND GRAVEL NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 33 0-6" TOPSOIL 6-30" YELLOW BROWN FINE SANDY LOAM W/COBBLES 30-39" TAN OLIVE GRAY VERY FINE SANDY LOAM, FAINT STAINING @ 39" 39-57" GRAY TAN MEDIUM SAND 57-94" DARK BROWN GRAY FINE TO MEDIUM SAND AND GRAVEL W/COBBLES NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> | <p>TP 26 0-11" TOPSOIL 11-38" ORANGE BROWN VERY FINE SANDY LOAM 38-57" TAN GRAY VERY FINE SAND, FAINT STAINING 57-104" GRAY TAN FINE TO MEDIUM SAND W/COBBLES LARGE MOUND OF FILL ON TOP OF GRADE LOCATED ON NW SIDE OF HOLE NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 28 0-3" TOPSOIL 3-51" TAN GRAY COARSE SAND AND GRAVEL W/COBBLES 51-112" TAN GRAY FINE TO MEDIUM SAND, FAINT STAINING @55-64" NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 30 0-9" TOPSOIL 9-33" ORANGE BROWN FINE SANDY LOAM 33-96" DARK BROWN GRAY MEDIUM TO COARSE SAND AND GRAVEL W/COBBLES NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 32 0-6" TOPSOIL 6-21" ORANGE BROWN VERY FINE SANDY LOAM 21-32" YELLOW BROWN VERY FINE SANDY LOAM 32-53" TAN OLIVE GRAY VERY FINE SANDY LOAM 53-98" DARK GRAY FINE TO MEDIUM SAND AND GRAVEL W/COBBLES NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> <p>TP 34 0-6" TOPSOIL 6-32" ORANGE BROWN FINE SANDY LOAM W/COBBLES 32-116" DARK BROWN GRAY FINE TO MEDIUM SAND AND GRAVEL W/COBBLES NO MOTTLING NO WATER NO LEDGE NO RESTRICTIVE</p> |
|--|---|

PERCOLATION TESTS PERFORMED ON FEBRUARY 8 AND FEBRUARY 12, 2024 BY DIETER & GARDNER, INC.

| | |
|--|--|
| <p>PERC B DEPTH 30" TIME READING 10:52 4 3/4" 10:57 7 1/8" 11:02 8 1/2" 11:07 10" 11:12 11 1/2" 11:17 12 7/8" 11:22 13 3/4" 11:27 15 1/2" 11:32 16 1/2" 11:37 18" PERC RATE: 5 MINS/INCH</p> <p>PERC D DEPTH 30" TIME READING 1:28 4" 1:33 5 1/2" 1:38 6 1/2" 1:43 7 1/2" 1:48 8 1/2" 1:53 9 1/4" 1:58 10 1/4" 2:03 11 1/2" 2:08 12 1/2" 2:13 13 1/2" PERC RATE: 5 MINS/INCH</p> <p>PERC F DEPTH 30" TIME READING 1:35 13 1/4" 1:40 DRY PERC RATE: 1 MINS/INCH</p> <p>PERC H DEPTH 30" TIME READING 1:24 4" 1:29 18 3/4" 1:34 23 1/2" 1:39 25 1/2" 1:44 DRY PERC RATE: 2.5 MINS/INCH</p> <p>PERC K DEPTH 30" TIME READING 12:27 11 1/2" 12:32 15 1/4" 12:37 18 1/2" 12:42 20" 12:47 21 3/4" 12:52 23" 12:57 24 1/8" 1:02 25" 1:07 DRY PERC RATE: 7 MINS/INCH</p> | <p>PERC C DEPTH 30" TIME READING 10:54 5 1/4" 10:59 7" 11:04 9" 11:09 10 3/8" 11:14 11 1/2" 11:19 13 1/4" 11:24 14 7/8" 11:29 16 1/2" 11:34 18 1/4" 11:39 19 3/4" PERC RATE: 3 MINS/INCH</p> <p>PERC E DEPTH 30" TIME READING 11:06 8 5/8" 11:11 19 3/4" 11:16 DRY PERC RATE: 1 MINS/INCH</p> <p>PERC G DEPTH 30" TIME READING 11:43 3 3/4" 11:47 11 1/4" 11:53 15 1/2" 11:57 18 1/2" 12:03 20 3/4" 12:07 DRY PERC RATE: 2 MINS/INCH</p> <p>PERC I DEPTH 30" TIME READING 1:21 5 1/2" 1:26 11 1/2" 1:31 14 1/2" 1:36 17 1/2" 1:41 19 1/4" 1:46 21 1/4" 1:51 22 1/4" 1:56 23 3/4" 2:01 25" 2:06 26" PERC RATE: 5 MINS/INCH</p> <p>PERC L DEPTH 30" TIME READING 1:14 6 3/8" 1:19 10 1/2" 1:24 13 1/2" 1:29 16 1/4" 1:34 18 1/2" 1:39 20 1/4" 1:44 22" 1:49 23 1/2" 1:54 24 1/2" 1:59 DRY PERC RATE: 5 MINS/INCH</p> |
|--|--|

PERCOLATION TESTS PERFORMED ON MARCH 5, 2024 BY DIETER & GARDNER, INC.

| | |
|--|--|
| <p>PERC M DEPTH 30" TIME READING 11:14 4 1/4" 11:19 12 1/2" 11:24 17" 11:29 21" 11:34 23" 11:39 24 1/2" 11:44 26" 11:49 27 1/2" 11:54 DRY PERC RATE: 3 MINS/INCH</p> <p>PERC O DEPTH 30" TIME READING 12:03 2 1/2" 12:08 8" 12:13 11 1/2" 12:18 18" 12:23 19 1/2" 12:28 22 3/4" 12:33 25 1/2" 12:38 26 1/2" 12:43 28" 12:48 DRY PERC RATE: 3 MINS/INCH</p> | <p>PERC N DEPTH 30" TIME READING 11:40 7" 11:45 17 1/4" 11:50 23 1/2" 11:55 26 1/2" 12:00 29" 12:05 DRY PERC RATE: 2 MINS/INCH</p> |
|--|--|

APPROVED BY THE LEDYARD PLANNING AND ZONING COMMISSION.

CHAIRMAN OR SECRETARY _____ DATE _____

EROSION AND SEDIMENT CONTROL PLAN CERTIFIED BY VOTE OF THE LEDYARD PLANNING AND ZONING COMMISSION ON _____ DATE _____

NO PERMIT NECESSARY. (NOT WITHIN A REGULATED AREA)

WETLANDS OFFICER _____ DATE _____



PERCOLATION TESTS PERFORMED ON MARCH 6, 2024 BY DIETER & GARDNER, INC.

| | |
|---|--|
| <p>PERC P DEPTH 30" TIME READING 9:02 6 1/4" 9:07 15 1/2" 9:12 21" 9:17 24 1/2" 9:22 26 1/2" 9:27 28 1/4" 9:32 DRY PERC RATE: 2.5 MINS/INCH</p> <p>PERC R DEPTH 30" TIME READING 11:20 2 3/4" 11:25 9" 11:30 14" 11:35 16" 11:40 17 3/4" 11:45 19" 11:50 20 1/8" 11:55 21 1/2" 12:00 22 1/4" 12:05 DRY PERC RATE: 7 MINS/INCH</p> | <p>PERC Q DEPTH 30" TIME READING 8:51 6" 8:56 13 3/4" 9:01 18 3/4" 9:06 19 1/2" 9:11 21 1/2" 9:16 23 1/2" 9:21 25" 9:26 26 1/2" 9:31 DRY PERC RATE: 3 MINS/INCH</p> <p>PERC S DEPTH 30" TIME READING 11:15 2 1/2" 11:20 10 1/2" 11:25 15 3/4" 11:30 18 3/4" 11:35 21 3/4" 11:40 23 7/8" 11:45 26" 11:50 DRY PERC RATE: 2 MINS/INCH</p> |
|---|--|

THIS DRAWING IS THE PROPERTY OF THE LAND SURVEYOR. THIS PLAN AND REPRODUCTIONS, ADDITIONS OR REVISIONS OF THIS PLAN ARE NOT VALID WITHOUT THE EMBOSSED SEAL AND SIGNATURE OF THE LAND SURVEYOR WHO PREPARED THIS PLAN. JOB# 24-010.DWG FBK#335

DIETER & GARDNER
LAND SURVEYORS • PLANNERS
1641 ROUTE 12
P.O. BOX 335
GALES FERRY, CT. 06335
(860) 464-7455
EMAIL: DIETER.GARDNER@YAHOO.COM

PLAN SHOWING
8-30g PLAN
DEEP TEST PIT DATA
AND
AND PERCOLATION TEST RESULTS
PROPERTY OF
DONCO, LLC
59 KINGS HIGHWAY
AND
CHRISTY HILL ROAD
LEDYARD, CONNECTICUT
MARCH 2024
REVISED: APRIL 8, 2024