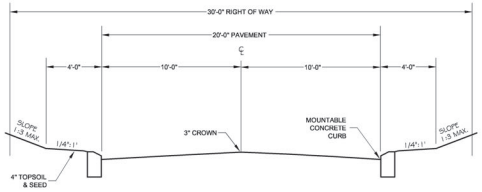
(1) UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. (2) DISTANCES SHOWN HEREON FROM PROPERTY LINES TO EXISTING STRUCTURES ARE FOR A SPECIFIC PURPOSE AND ARE NOT TO BE USED TO ESTABLISH PROPERTY LINES OR FOR ERECTION OF FENCES. (3) COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. (4) CERTIFICATION INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS. (5) THE LOCATION OF WELLS (W), SEPTIC TANKS (ST) & CESSPOOLS (CP) SHOWN HEREON ARE FROM FIELD OBSERVATIONS AND OR DATA OBTAINED FROM OTHERS.

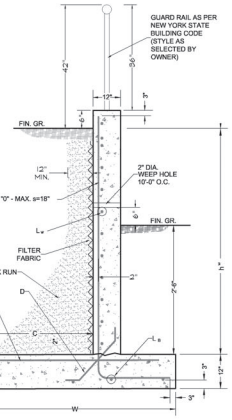



COMMON DRIVEWAY SECTION
(prog.scale)
NTS

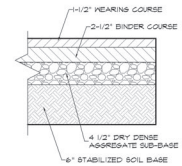
CONCRETE RETAINING WALL

| LEVEL | H* | C | W | O | D | $L_1$ | P | $L_2$ |
|---|---|---|---|---|---|---|---|---|
| | 5' | 2'-2" | 3'-3" | #4 @ 18" | #4 @ 18" | 4-#4 | #4 @ 18" | #4 @ 12" |
| | 6' | 2'-5" | 3'-9" | #4 @ 18" | #4 @ 18" | 4-#4 | #4 @ 18" | #4 @ 12" |
| | 7' | 2'-6" | 4'-2" | #4 @ 14" | #4 @ 14" | 4-#4 | #4 @ 14" | #4 @ 12" |
| | 8' | 2'-8" | 4'-8" | #4 @ 14" | #4 @ 14" | 4-#4 | #4 @ 14" | #5 @ 12" |

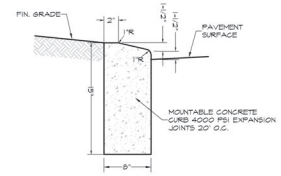
NOTE:
FINISHED SURFACE OF RETAINING WALLS MAY BE CONCRETE FORMLINER PATTERN OR MASONRY VENEER.



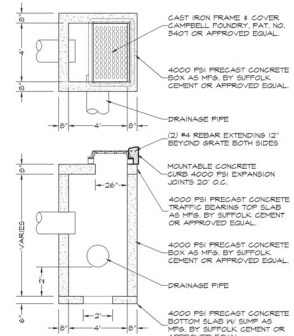

TYPICAL REINFORCED CONCRETE RETAINING WALL
NTS




ASPHALT PAVEMENT SECTION
NTS

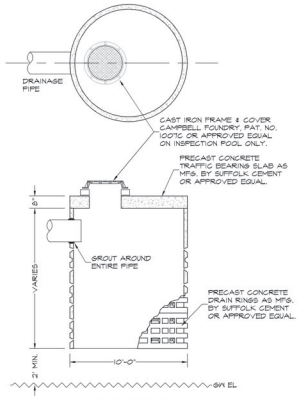



MOUNTABLE CONCRETE CURB
NTS

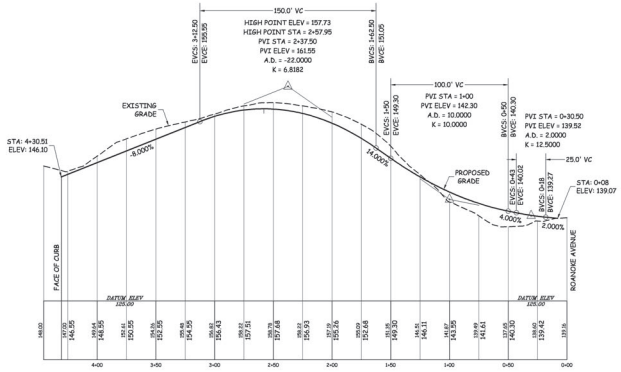



NOTE:
1. WALL REINFORCEMENT WILL NOT BE REQUIRED TO A DEPTH OF 4'-0".
2. DEPTHS GREATER THAN 4'-0" SHALL HAVE WIRE FABRIC CONCRETE REINFORCEMENT 3"x12", 1 AND 2 MIN. VERTICAL AREA - 12" O.C., 1/2" MIN. COVER.

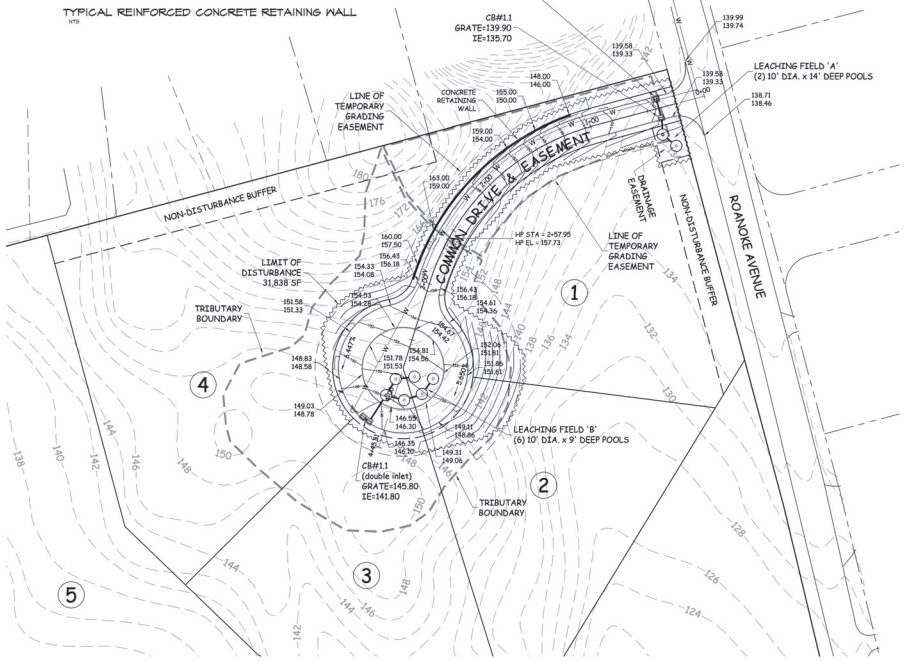
CATCH BASIN 2' x 4' FLUSH GRATE @ MOUNTABLE CURB
NTS




LEACHING POOL
NTS




CL PROFILE OF COMMON DRIVEWAY
(prog.scale)

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Young associates

Howard W. Young, Land Surveyor
Thomas C. Wolpert, Professional Engineer
Douglas E. Adams, Professional Engineer
Daniel A. Meaver, Land Surveyor

## SITE DATA
(prog.scale)

| | |
|---|---|
| * ZONING USE DISTRICT | = RESIDENCE A-40 / RESIDENCE A-80 |
| * VERTICAL DATUM | = N.G.V. DATUM (M.S.L. 1929) |

## DRAINAGE DESIGN CRITERIA & CALCULATIONS
(prog.scale)

V = A R C
A = AREA OF TRIBUTARY (S.F.)
R = RAINFALL (FT.)
C = COEFFICIENT OF RUNOFF

### NOTE

1. HIGHEST EXPECTED GROUND WATER EL = 18.0.
2. ALL CONNECTING DRAINAGE PIPES ARE 15" DIAMETER HDPE UNLESS OTHERWISE NOTED.

### TRIBUTARY AREA #1

| | |
|---|---|
| REQUIRED VOLUME | |
| ASPHALT: 4,360 SF x 4/12 x 1.0 | = 1,453 CF |
| LAWN: 12,356 SF x 4/12 x 0.10 | = 412 CF |
| TOTAL REQUIRED: | = 1,865 CF |
| PROVIDED VOLUME | |
| USE: LEACHING FIELD 'A' | |
| (2) 10' DIA. x 14' DEEP POOLS | = 1,916 CF |

### TRIBUTARY AREA #2

| | |
|---|---|
| REQUIRED VOLUME | |
| ASPHALT: 7,052 SF x 4/12 x 1.0 | = 2,351 CF |
| LAWN: 36,824 SF x 4/12 x 0.10 | = 1,227 CF |
| TOTAL REQUIRED: | = 3,578 CF |
| PROVIDED VOLUME | |
| USE: LEACHING FIELD 'B' | |
| (6) 10' DIA. x 9' DEEP POOLS | = 3,695 CF |

## ENGINEER'S CERTIFICATION
(prog.scale)

"I HEREBY CERTIFY THAT THE WATER SUPPLY(S) AND/OR SEWAGE DISPOSAL SYSTEM(S) FOR THIS PROJECT WERE DESIGNED BY ME OR UNDER MY DIRECTION, BASED UPON A CAREFUL AND THOROUGH STUDY OF THE SOIL, SITE AND GROUNDWATER CONDITIONS, ALL LOTS, AS PROPOSED, CONFORM TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES CONSTRUCTION STANDARDS IN EFFECT AS OF THIS DATE."

HOWARD W. YOUNG, N.Y.S. L.S. NO. 45893n
THOMAS C. WOLPERT, N.Y.S. P.E. NO. 61483
DOUGLAS E. ADAMS, N.Y.S. P.E. NO. 80897

MINOR SUBDIVISION

# MARIS FARM

at Roanoke, Town of Riverhead
Suffolk County, New York

## COMMON DRIVEWAY GRADING & DRAINAGE PLAN

County Tax Map District 600 Section 017 Block 01 Lot 06.1, 06.2

MAP PREPARED APR. 19, 2024

Record of Revisions

| REVISION | DATE |
|---|---|
| | |

100 0 50 100 200 300
Scale: 1" = 100'

JOB NO. 2020-0133
DWG. 2003_0651_2020_0133_rd

1 OF 1

DWG FILE: R:\2003\2003_0651\dwg\2020_0133\2003_0651_2020_0133_rd.dwg
PLOT DATE: Apr 23, 2024 - 10:31am
PLOTTED BY: DEA