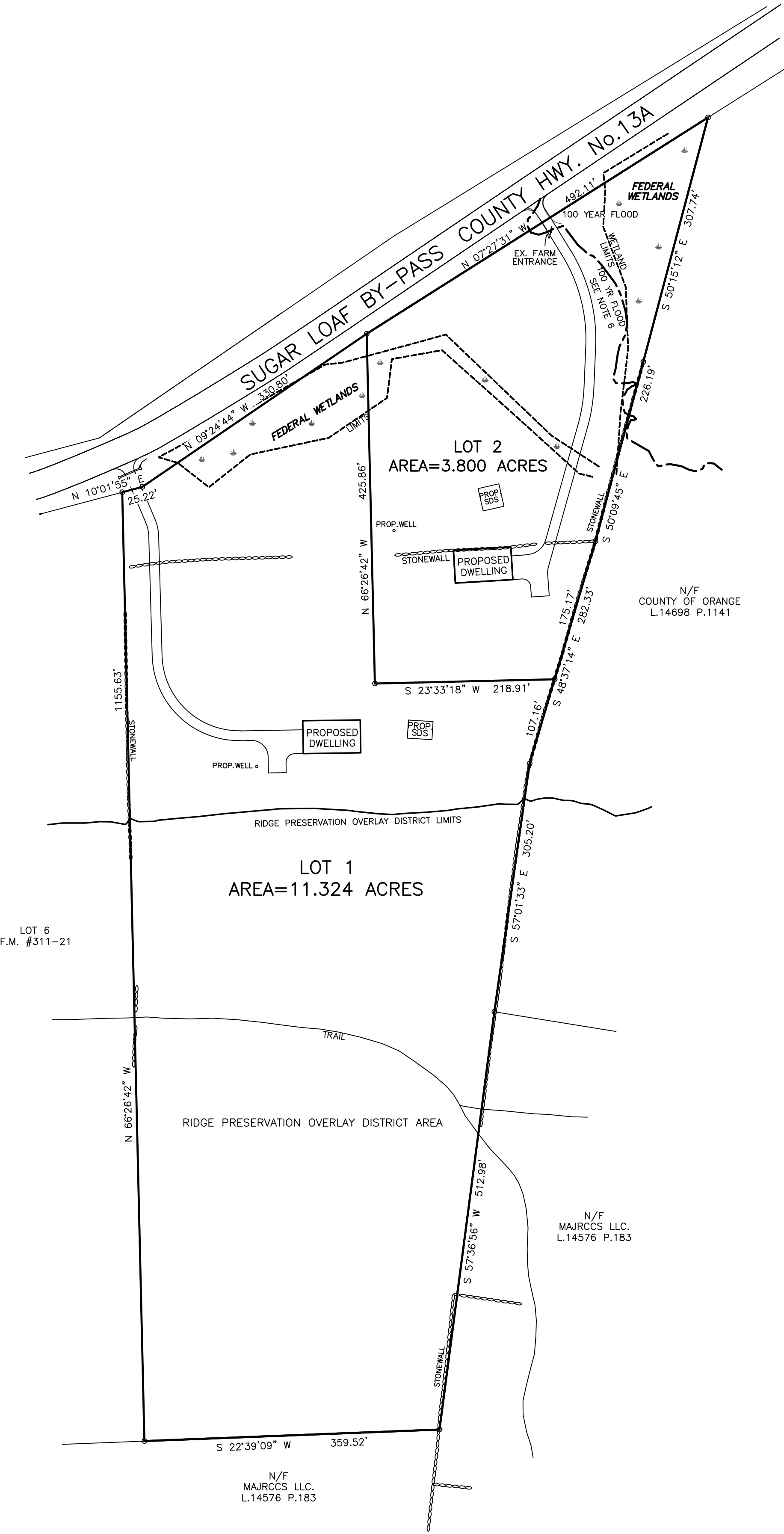
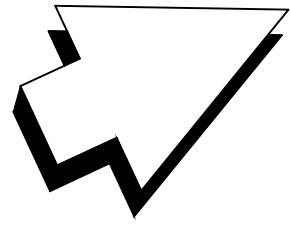
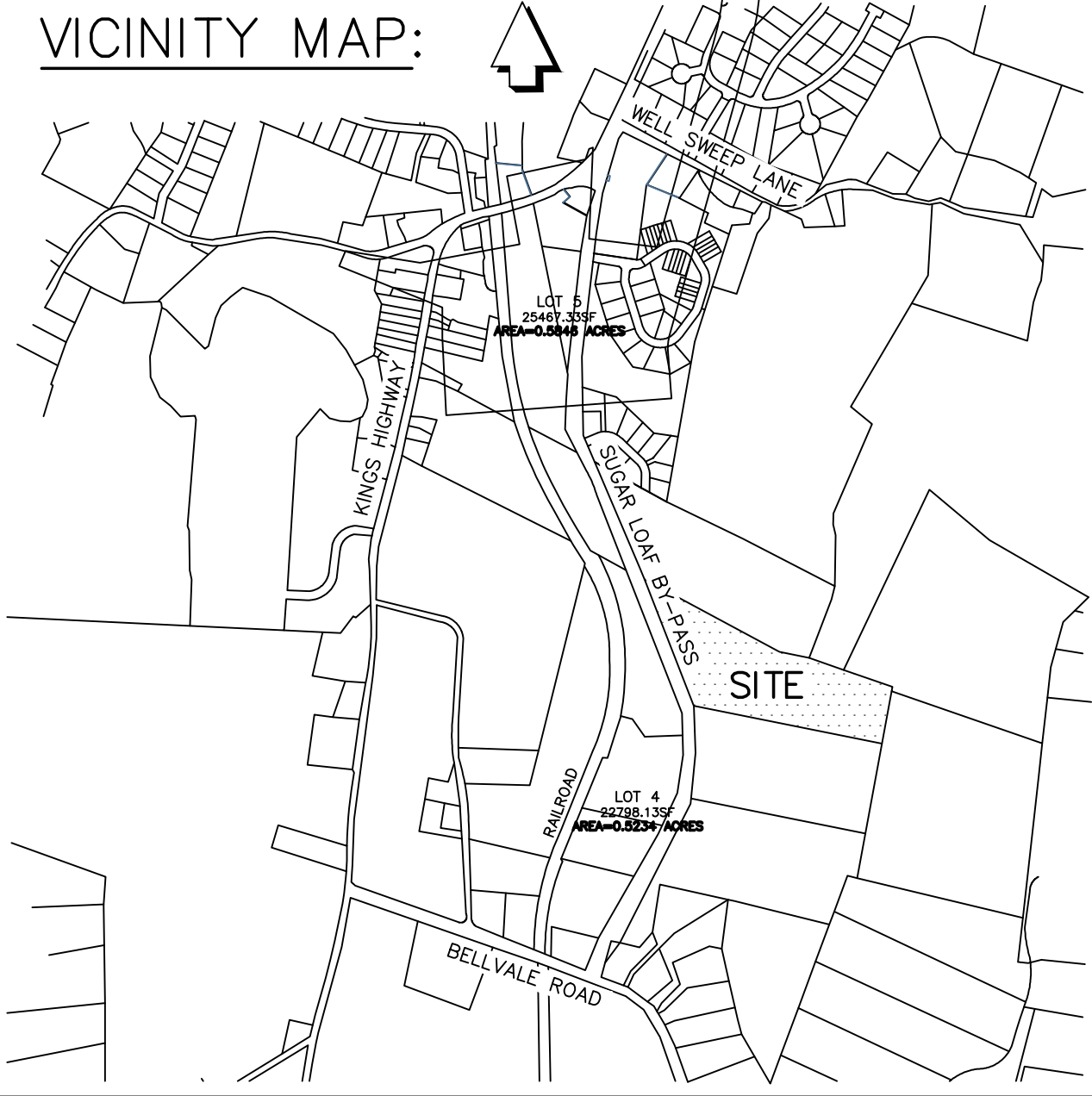




DRAWING INDEX

- 1. SUBDIVISION PLAN
- 2. SITE PLAN
- 3. SDS DETAILS
- 4. COUNTY ENTRANCE PLAN



OVERLAY DISTRICTS:

RIDGE PRESERVATION OVERLAY DISTRICT  
**ZONE: AR-.3** AGRICULTURAL RESIDENTIAL  
REQUIRED

|                              |         |
|------------------------------|---------|
| MINIMUM LOT AREA.....        | 3 ACRES |
| MINIMUM LOT WIDTH.....       | 250 FT. |
| MINIMUM FRONT YARD.....      | 100 FT. |
| MINIMUM SIDE YARD.....       | 40 FT.  |
| MINIMUM BOTH SIDE YARD.....  | 100 FT. |
| MINIMUM REAR YARD.....       | 100 FT. |
| MAXIMUM LOT COVERAGE.....    | 10 %    |
| MAXIMUM BUILDING HEIGHT..... | 35 FT.  |

OWNER & APPLICANT:

DARIO GAGLIARDI  
P.O. BOX 249  
SUGAR LOAF, NY 10981

NOTES:

- TAX MAP DESIGNATION: TOWN OF CHESTER SECTION 13 BLOCK 1 LOT 41.225
- WATER SUPPLY: PRIVATE WELL
- SEWAGE DISPOSAL: PRIVATE SUBSURFACE
- REFERENCE: BEING LOT #5, AS SHOWN ON MAP ENTITLED, "SUBDIVISION OF PROPERTY FOR NMC3, LLC.", FILED IN THE O.C.C.O. ON OCTOBER 27, 2021, AS MAP No. 311-21
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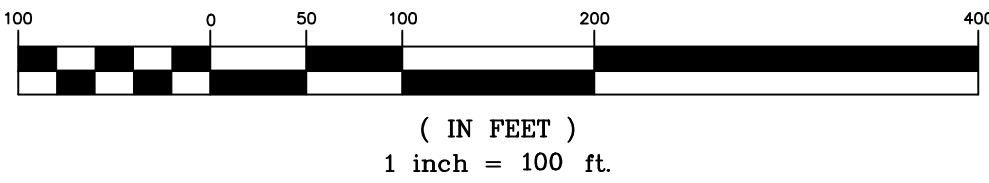
SUBDIVISION OF PROPERTY  
FOR  
**GAGLIARDI**

TOWN OF CHESTER ORANGE COUNTY, N.Y.  
SCALE: 1"=100' TOTAL AREA= 15.124 ACRES

SEPTEMBER 20, 2022

REVISED 10-20-22  
REVISED 12-21-22

GRAPHIC SCALE



I HEREBY CERTIFY THAT THIS MAP SHOWS THE RESULT OF AN ACTUAL FIELD SURVEY COMPLETED ON MARCH 24, 2020.



JAMES A. DILLIN, PLS  
PROFESSIONAL LAND SURVEYOR  
GOSHEN, NEW YORK

COUNTY HIGHWAY ENTRANCE DESIGN

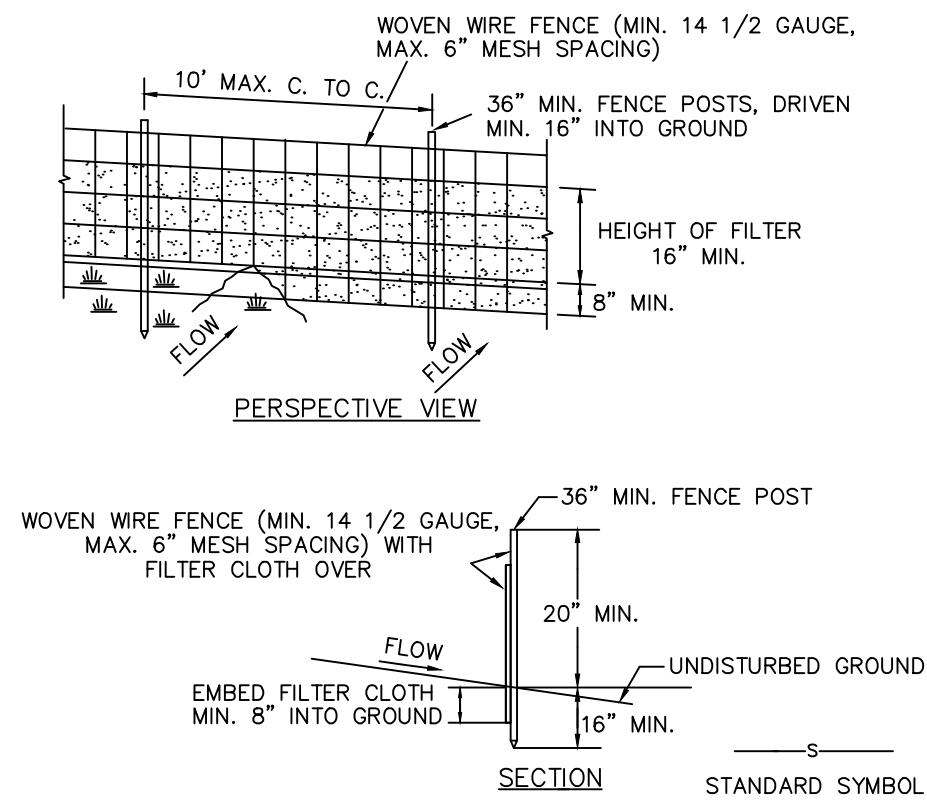
NOTE: NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.

APPROVED FOR FILING

OWNER \_\_\_\_\_ DATE \_\_\_\_\_

TOWN OF CHESTER APPROVAL BOX

SILT FENCE DETAILS



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POST WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

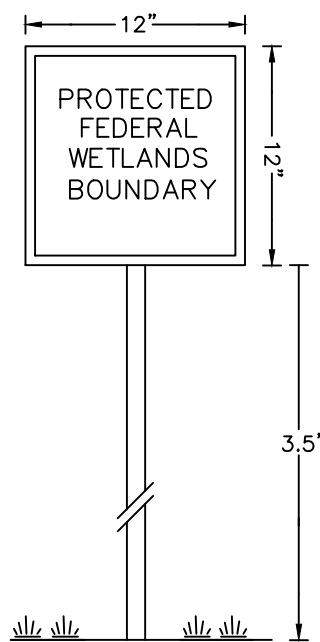
POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD

FENCE: WOVEN WIRE, 14 1/2 GA. 6" MAX. MESH OPENING

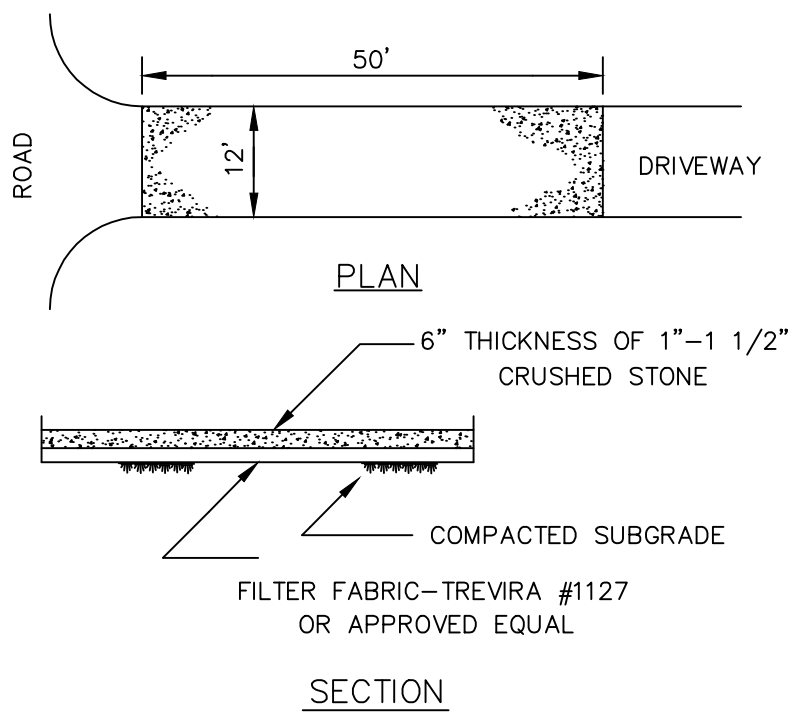
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILUNKA T140N OR APPROVED EQUAL

PREFABRICATED UNIT: GEOFAB, ENVROFENCE, OR APPROVED EQUAL

WETLANDS BOUNDARY SIGN



STABILIZED CONSTRUCTION ENTRANCE



NOTE: ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHT OF WAYS

ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHENEVER A CONSTRUCTION ACCESS DRIVE INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 6" DEPTH OF 1"-1 1/2" CRUSHED STONE, WILL BE AT LEAST 12' X 50' AND SHOULD BE PLACED ON COMPACTED SUBGRADE AND SHALL BE MAINTAINED.

ALL DRIVEWAYS MUST BE STABILIZED WITH 1"-1 1/2" CRUSHED STONE OR SUB-BASE PRIOR TO INDIVIDUAL HOME CONSTRUCTION.

PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.

ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES MUST BE DETAILED ON THE PLAN.

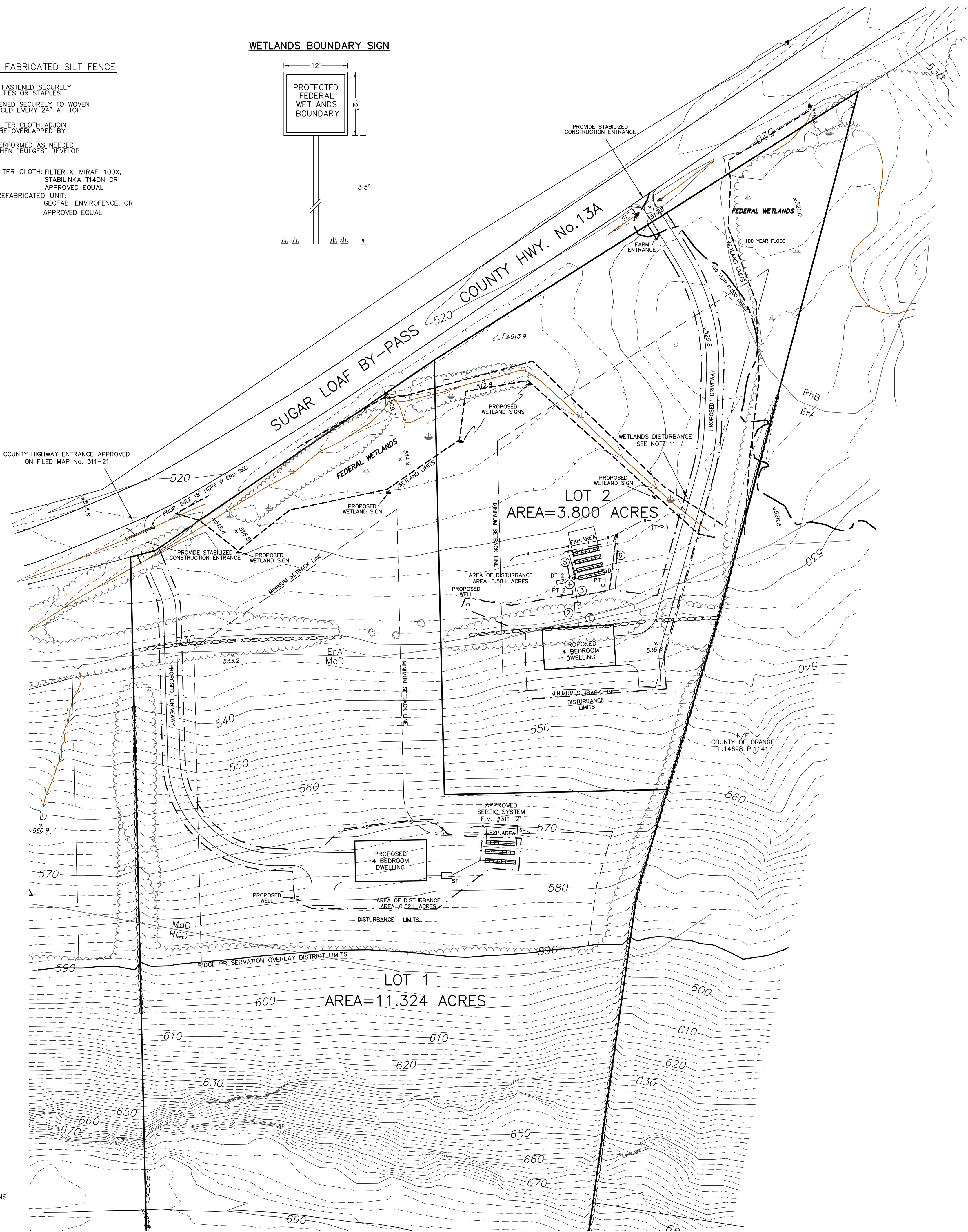
SITE PLAN LEGEND

- PT 1 O PERCOLATION TEST  
DT 1 O DEEP TEST PIT
- ① 4" SCH. 40 PVC @ 1/4" PER FT. MIN.
  - ② 1250 GALLON CONCRETE SEPTIC TANK
  - ③ 4" SCH. 40 PVC @ 1/8" PER FT. MIN.
  - ④ DISTRIBUTION DEVICE
  - ⑤ ABSORPTION TRENCHES
  - ⑥ CURTAIN DRAIN & SURFACE WATER DIVERSION SWALE

COUNTY HIGHWAY ENTRANCE DESIGN

NOTE: NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.

UNAUTHORIZED ALTERATION OF THIS DOCUMENT, IN ANY WAY, CONSTITUTES A VIOLATION OF THE STATE OF NEW YORK EDUCATION LAW SECTION 7209 (2)



LEGEND

| SYMBOL | DESCRIPTION               |
|--------|---------------------------|
| O      | PROPOSED WELL             |
| ST     | PROPOSED SEPTIC TANK      |
| DB     | PROPOSED DISTRIBUTION BOX |
| FES    | FLARED END SECTION        |
| PT     | PERCOLATION TEST          |
| DT     | DEEP TEST                 |
| SW     | SURFACE WATER SWALE       |
| EC     | EXISTING CONTOURS         |
| 594    | PROPOSED CONTOURS         |
| S      | SILT FENCE                |
| DL     | DISTURBANCE LINE          |
| WL     | WETLAND LIMITS            |
| FL     | 100 YR. FLOOD PLAIN       |

NOTES:

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10. ALL LOTS ARE SUBJECT TO CHAPTER 69 ENTITLED, "OUTDOOR LIGHTING" TO THE TOWN CODE OF THE TOWN OF CHESTER. LOCAL LAW No.2 OF 2021.
11. PRIOR TO OBTAINING A BUILDING PERMIT ON LOT #2 A WETLANDS DISTURBANCE PERMIT WILL BE REQUIRED.

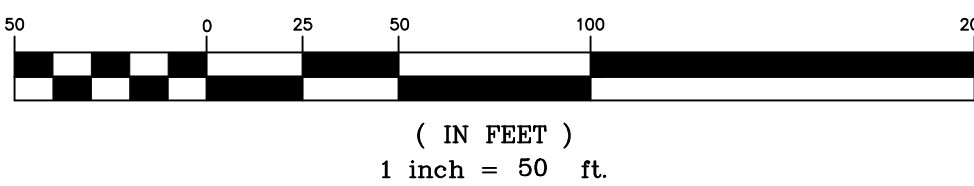
AREA OF DISTURBANCE

|                                                                |               |
|----------------------------------------------------------------|---------------|
| SUBDIVISION OF PROPERTY FOR NMC3, LLC.<br>FILED MAP No. 311-21 |               |
| TOTAL DISTURBANCE AREA = 4.61± ACRES                           | 4.61± ACRES   |
| F.M. #311-21 LOT #5 = 0.74± ACRES                              | - 0.74± ACRES |
|                                                                | = 3.87± ACRES |
| REVISED DISTURB AREA (LOT #5) LOT #1 = 0.52± ACRES             |               |
|                                                                | 0.52± ACRES   |
|                                                                | 0.58± ACRES   |
|                                                                | + 3.87± ACRES |
|                                                                | = 4.97± ACRES |
| TOTAL DISTURBANCE BOTH SUBDIVISIONS AREA= 4.97± ACRES          |               |

SITE PLAN FOR GAGLIARDI

TOWN OF CHESTER SCALE: 1"=50' ORANGE COUNTY, N.Y. TOTAL AREA= 15.124 ACRES  
SEPTEMBER 20, 2022  
REVISED 10-20-22  
REVISED 12-21-22

GRAPHIC SCALE



JOSEPH GOTTlieb, P.E., P.C.  
CONSULTING ENGINEER  
P.O. BOX 76  
MONTICELLO  
NEW YORK 12701

JAMES A. DILLIN, PLS.  
PROFESSIONAL LAND SURVEYOR  
GOSHEN, NEW YORK

GENERAL NOTES:

1. FINAL GRADING IS INTENDED TO INSURE THAT NO SURFACE WATER WILL COLLECT ON THE COMPLETED SANITARY SYSTEM. THE CONTRACTOR SHALL RESTORE GROUND SURFACES TO MATCH OR BELOW INTO THE EXISTING GROUND SURFACES. ALL DISTURBED SURFACES SHALL BE RE-SEEDED AND MULCHED IMMEDIATELY AFTER FINAL GRADING.
2. THE CONTRACTOR SHALL RAKE SIDES AND BOTTOM OF THE ABSORPTION TRENCH EXCAVATION BEFORE PLACING THE AGGREGATE. TRENCHES SHALL NOT BE INSTALLED IN WET SOILS.
3. ALL FELD PIPING SHALL BE PVC.
4. NO VEHICLE PARKING OR CONSTRUCTION EQUIPMENT SHALL BE PERMITTED ON THE COMPLETED SANITARY SYSTEM EXCEPT DURING THE ACTUAL CONSTRUCTION OF THE SYSTEM. THERE SHALL BE NO SWIMMING POOLS, ACCESSORY BUILDINGS, PAVED AREAS, SHEDS, ETC. LOCATED ABOVE THE SEWAGE DISPOSAL SYSTEM TRENCHES.
5. THE END OF ALL DISTRIBUTION PIPES MUST BE CAPPED.
6. MAINTAIN A 2% MINIMUM PIPE SLOPE BETWEEN THE SEPTIC TANK AND DWELLING.
7. MAINTAIN MINIMUM SEPARATION DISTANCES AS FOLLOWS:
  - A. HOUSE AND SEPTIC TANK - 10 FT.
  - B. HOUSE AND ABSORPTION TRENCHES - 20 FT.
  - C. WELL AND SEPTIC TANK - 50 FT.
  - D. WELL AND ABSORPTION TRENCHES - 100 FT. IF WELL UPRILL, 200 FT. IF WELL DOWNHILL AND IN THE DIRECT PATH OF DRAINAGE.
8. ABSORPTION TRENCH EXCAVATION SHALL BE INSTALLED TO BE PARALLEL TO GROUND CONTOUR.
9. CELLAR, ROOF AND FOOTING DRAINS SHALL NOT DISCHARGE TO OR TOWARDS THE SEWAGE DISPOSAL SYSTEM.
10. SURFACE WATER DIVERSION SWALE SHALL BE CONSTRUCTED AROUND THE SEWAGE DISPOSAL SYSTEM TO DIVERT SURFACE WATER.
11. IN ADDITION TO THE DATA SPECIFIED ON THIS PLAN SHEET, ALL CONSTRUCTION DETAILS SHALL CONFORM TO APPENDIX 75-A OF PART 25 OF THE ADMINISTRATIVE RULES AND REGULATIONS OF CHAPTER 11 OF TITLE 10 OF THE OFFICIAL COMPILATION OF CODES, RULES AND REGULATIONS OF THE STATE OF NEW YORK - "WASTEWATER TREATMENT STANDARDS - INDIVIDUAL HOUSEHOLD SYSTEMS".
12. SEWAGE DISPOSAL SYSTEMS SHALL NOT BE INSTALLED IN AREAS WITH GREATER THAN 15% SLOPE.
13. THIS OFFICE CANNOT BE RESPONSIBLE FOR THE CONSTRUCTION OF A SEWAGE DISPOSAL SYSTEM UNLESS IT IS INVOLVED IN THE CONSTRUCTION SUPERVISION OF THE SAME. OUR DESIGN MEETS THE STATED REQUIREMENTS AND RESPECTIVE CODES FOR OBTAINING APPROVAL FROM THE APPROPRIATE REVIEWING AUTHORITIES. SEWAGE DISPOSAL SYSTEMS SHOWN ON THIS PLAN HAVE BEEN DESIGNED TO CURRENT NEW YORK STATE DEPARTMENT OF HEALTH STANDARDS.
14. A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER SHALL INSPECT THE SANITARY FACILITIES (WATER SUPPLY, ANY WATER TREATMENT AND SEWAGE DISPOSAL FACILITIES) AT THE TIME OF CONSTRUCTION PRIOR TO OCCUPANCY OF THE HOUSE. THE ENGINEER SHALL CERTIFY TO THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES ARE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS ARE SEALED AND TESTED FOR WATER TIGHTNESS.
15. SEWAGE DISPOSAL SYSTEMS WERE NOT DESIGNED TO ACCOMMODATE GARAGE GRINDERS, JACUZZI TYPE SPA, TUBS OVER 100 GALLONS, OR WATER CONDITIONERS. AS SUCH, THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SYSTEM IS REDESIGNED TO ACCOMMODATE THEM AND ANY NECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING OR AFTER CONSTRUCTION, EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNKNE COMPACTATION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
16. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELDS EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING OR AFTER CONSTRUCTION. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNKNE COMPACTATION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
17. THE ABSORPTION FIELD LOCATION, OR THE SEWAGE DISPOSAL SYSTEM DESIGN, ARE NOT TO BE CHANGED.
18. THE PROPOSED SEWAGE DISPOSAL SYSTEM HEREON IS DESIGNED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS ESTABLISHED BY THE NEW YORK STATE DEPARTMENT OF HEALTH FOR RESIDENTIAL LOTS. THE DESIGN IS BASED UPON ACTUAL SOIL AND SITE CONDITIONS FOUND UPON THE LOT AT THE DESIGN LOCATION AT THE TIME OF THE DESIGN.
19. NO SWIMMING POOLS, DRIVEWAYS, OR OTHER STRUCTURES THAT MAY COMPACT THE SOILS SHALL BE LOCATED OVER ANY PORTION OF THE SEWAGE DISPOSAL SYSTEM ABSORPTION FIELD.
20. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK TO THE HOUSE (OR ANY PUMP CHAMBER), ALLOWING SEPTIC GASSES TO DISCHARGE THROUGH THE STACK VENT.
21. THERE SHALL BE NO RE-GRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS.

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS

PRECAST CONCRETE SEPTIC TANK

CONTRACTOR SHALL INSTALL PRECAST REINFORCED CONCRETE SEPTIC TANK, CONFORMING TO THE TYPE, SIZE AND DIMENSIONS SPECIFIED ON THE DRAWINGS, AS MANUFACTURED BY "WOODARD'S CONCRETE PRODUCTS, INC.", OR APPROVED EQUAL.

CONCRETE WALL STRENGTH - 4000 PSI @ 28 DAYS  
REINFORCEMENT - 6X6X10 W/MF, #4 REBAR  
AIR ENTRAINMENT - 5%  
CONSTRUCTION JOINT - BUTYL RUBBER BASE CEMENT  
PIPE CONNECTION - POLYLOCK SEAL (PATENTED)

DISTRIBUTION DEVICES

DISTRIBUTION DEVICE SHALL BE PRECAST REINFORCED CONCRETE CONFORMING TO THE TYPE, SIZE AND DIMENSIONS SPECIFIED ON THE DRAWINGS, AS MANUFACTURED BY "WOODARD'S CONCRETE PRODUCTS, INC.", OR APPROVED EQUAL.

BAFFLES AND FLOW LEVELLING DEVICES SHALL BE INSTALLED

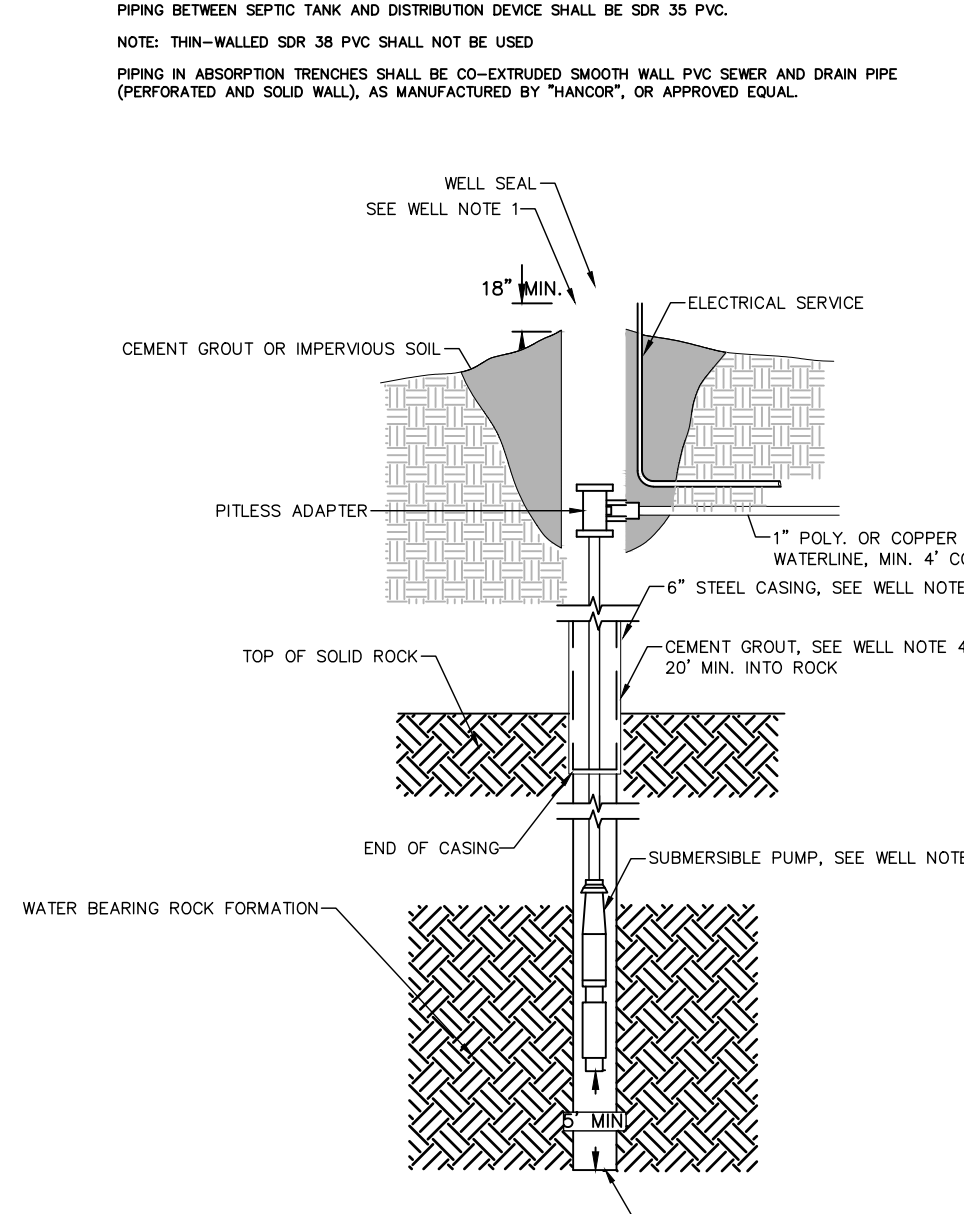
PIPE AND FITTINGS

PIPING BETWEEN SEPTIC TANK AND INTERIOR PLUMBING SHALL BE SCHEDULE 80 PVC.

PIPING BETWEEN SEPTIC TANK AND DISTRIBUTION DEVICE SHALL BE SDR 35 PVC.

NOTE: THIN-WALLED SDR 38 PVC SHALL NOT BE USED

PIPING IN ABSORPTION TRENCHES SHALL BE CO-EXTRUDED SMOOTH WALL PVC SEWER AND DRAIN PIPE (PERFORATED AND SOLID WALL), AS MANUFACTURED BY "HANCOR", OR APPROVED EQUAL.

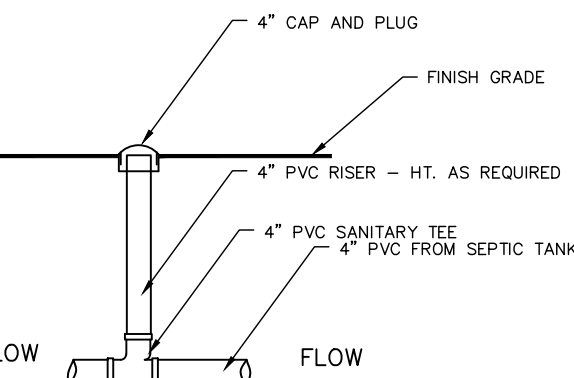


WELL DETAIL

SCALE: NONE

WELL NOTE:

1. PITLESS ADAPTER FOR DOMESTIC SUBMERSIBLE PUMPS SHALL BE AS MANUFACTURED BY "BAKER-MONTROY" AND SHALL BE SUPPLIED WITH A WATER TIGHT CAP AND ALL CONNECT PIPING, ETC. HEIGHT OF CASING ABOVE GROUND SHALL NOT BE LESS THAN 18 INCHES AND TWO (2) FEET ABOVE HIGHEST FLOOD LEVEL.
2. INTERIOR OF FIFTY (50) FEET OR 8\"/>
3. SUBMERSIBLE PUMP TO BE SELECTED TO FIT EXISTING VOLUME AND HEAD CONDITIONS. MINIMUM WELL YIELD TO BE 5 G.P.M.
4. WELL TO BE CONSTRUCTED IN ACCORDANCE WITH 10NYCRR APPENDIX 56.
5. WELL TO BE GROVED IN ACCORDANCE WITH TABLE 2 NYSDOH - APPENDIX 5-B, YEAR OF LATEST REVISION. CEMENT GROUTING SHALL BE FORCED UP INTO A 1/2\"/>
6. WELL SHALL BE INSTALLED IN ACCORDANCE WITH THE NEW YORK STATE WATER WELL PROGRAM AND ENVIRONMENTAL CONSERVATION LAW 15-1025.
7. WELL DOCUMENTATION (PRE-INSTALLATION, WELL LOG AND COMPLETION REPORT) SHALL BE PROVIDED TO BUILDING DEPARTMENT, OWNER AND ENGINEER.

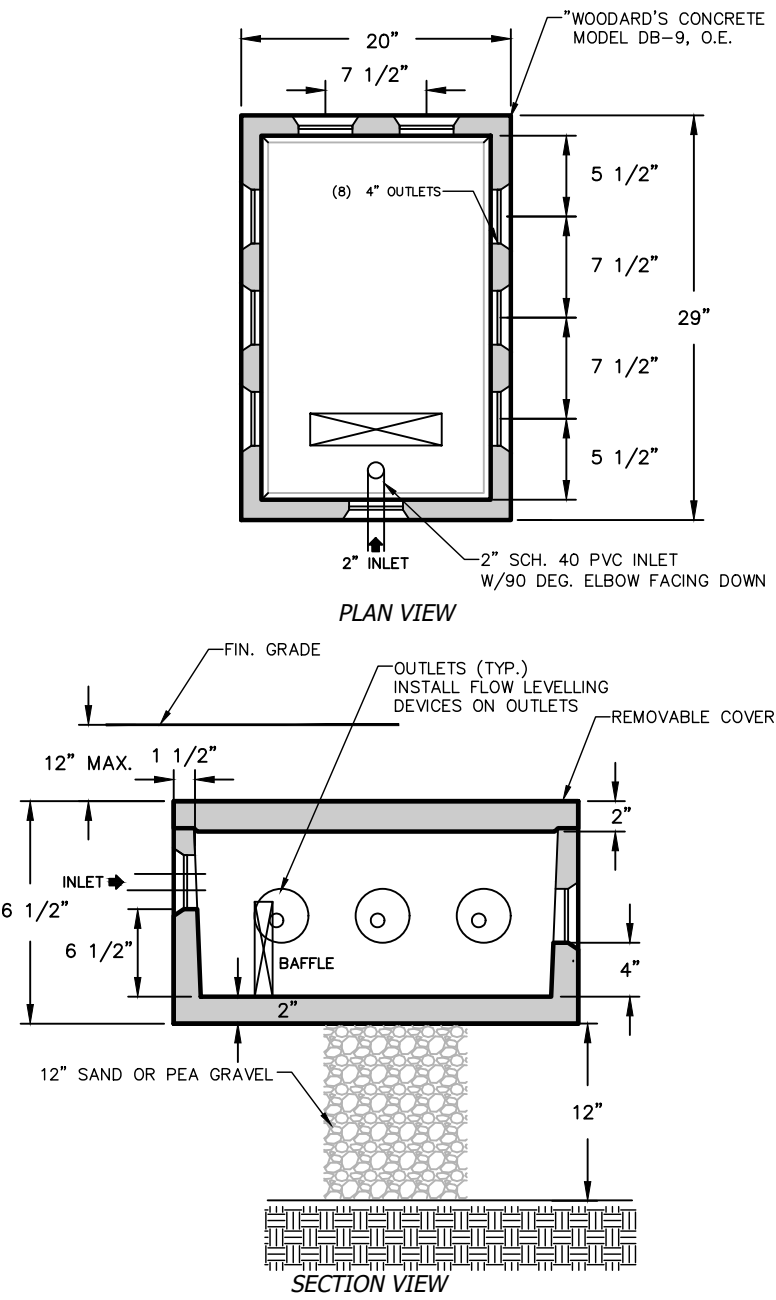


GRAVITY SEWER LINE CLEAN-OUT DETAIL

SCALE: NONE

NOTE:

1. CLEAN-OUTS TO BE PROVIDED AT ALL CHANGES OF DIRECTION AND AT 75 FEET INTERVALS.

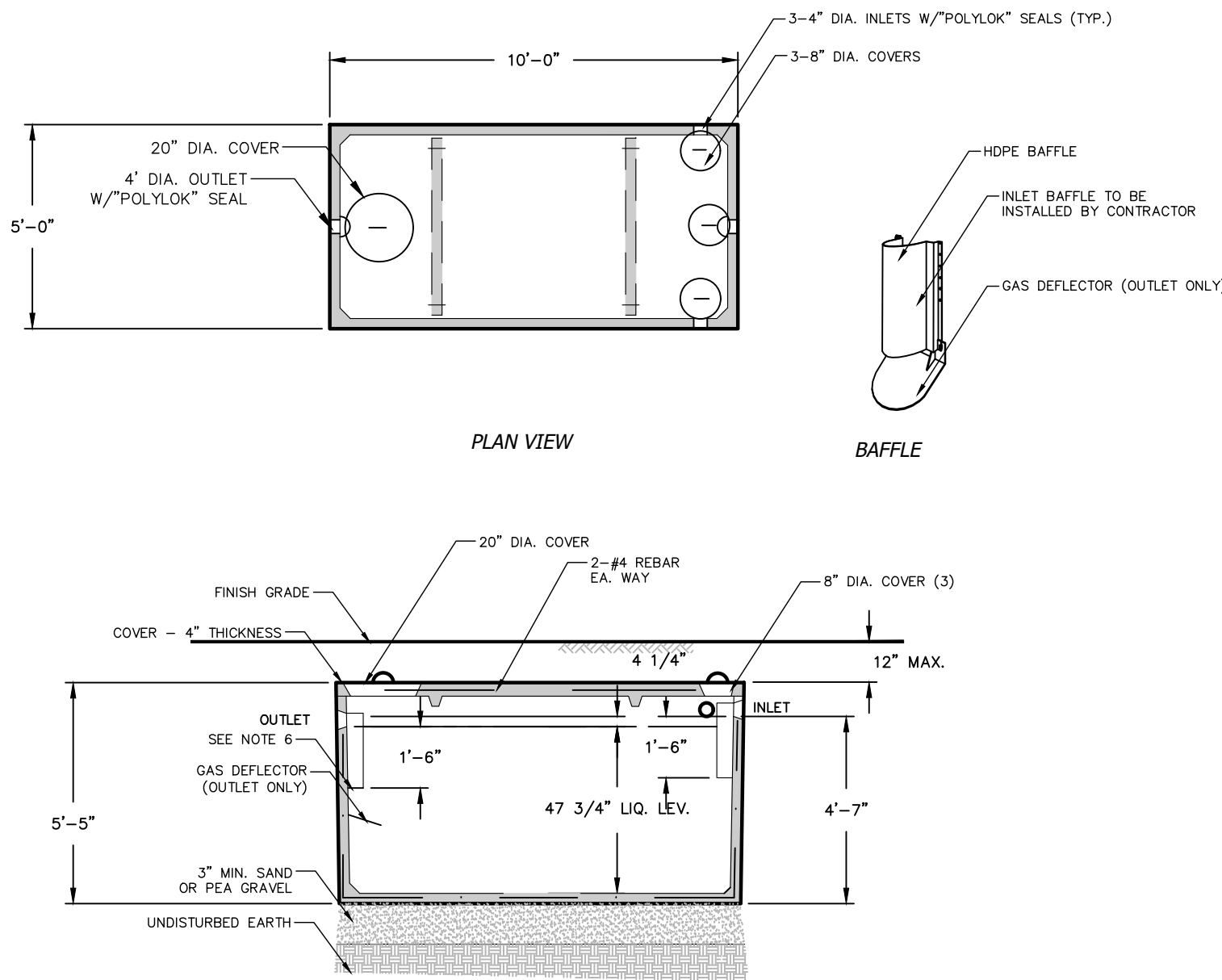


DISTRIBUTION BOX DETAIL

SCALE: NONE

DISTRIBUTION BOX NOTE:

1. ALL PIPE OPENINGS SHALL BE PRECAST WITH WATER TIGHT POLYETHYLENE PIPE SEALS REQUIRING NO ADDITIONAL SEALING OR MORTARING.
2. ALL UNUSED OUTLETS SHALL REMAIN PLUGGED.
3. PRECAST DISTRIBUTION BOX MODEL DB-9, BY "WOODARD'S CONCRETE PRODUCTS, INC.", O.E.
4. A BAFFLE IS REQUIRED AND SHALL BE EITHER A POLYETHYLENE AS SUPPLIED BY THE MANUFACTURER, OR A CONCRETE BAFFLE SET BY THE CONTRACTOR.
5. ALL OUTLETS SHALL BE SET AT THE SAME ELEVATION.
6. ALL DISTRIBUTION BOX PIPING SHALL BE INSTALLED BY THE CONTRACTOR IN SUCH A MANNER AS TO ALLOW FOR FUTURE EXPANSION OF THE SYSTEM PIPING WITHOUT THE NEED FOR RE-PIPING OR DISTURBANCE TO THE EXISTING LATERALS AT THE TIME OF EXPANSION.

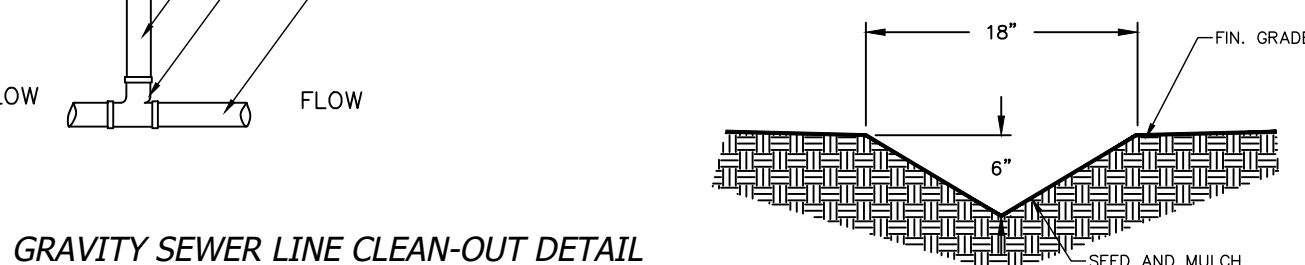


1250 GALLON SEPTIC TANK DETAIL

SCALE: NONE

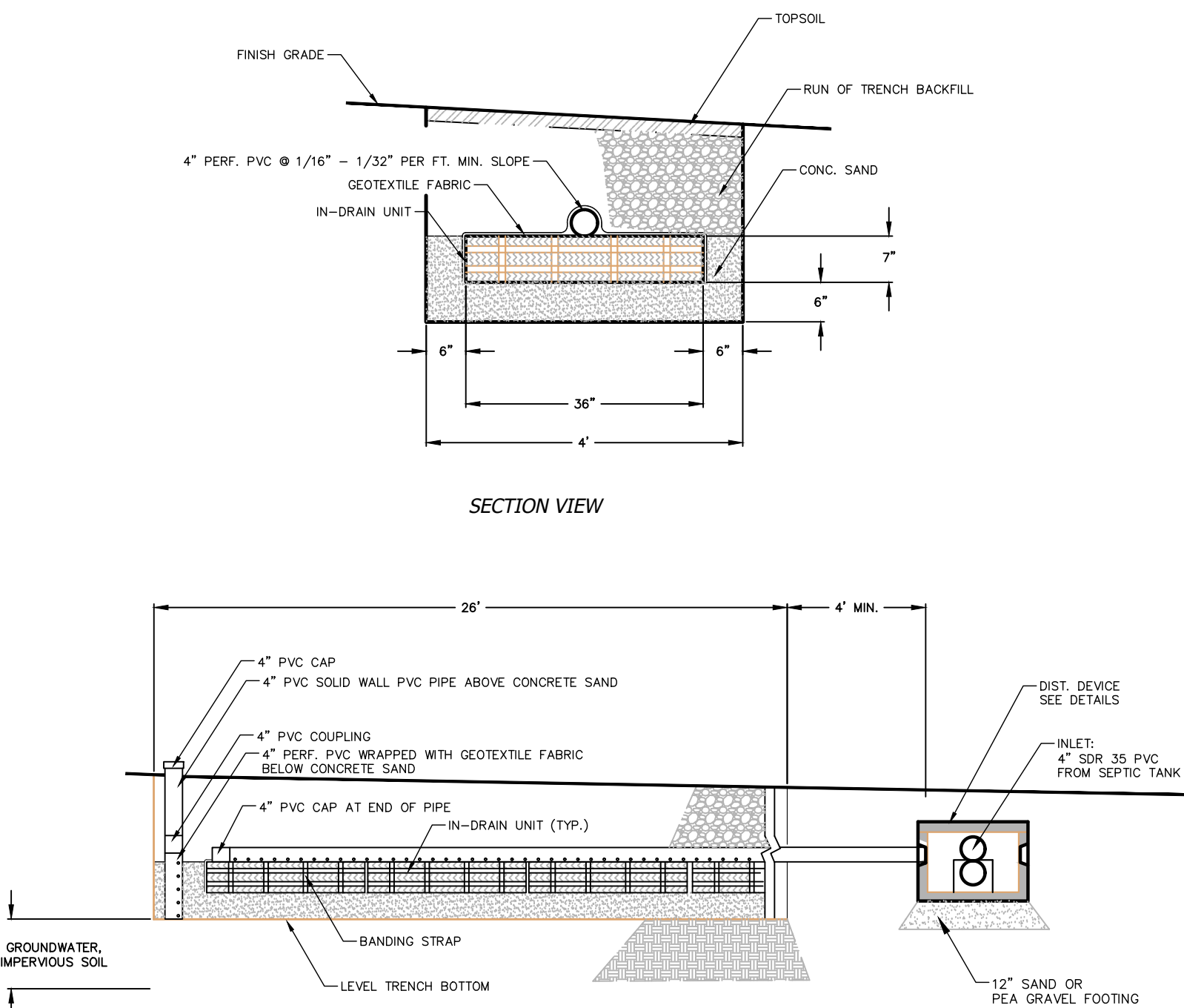
SEPTIC TANK NOTE:

1. CONCRETE MINIMUM STRENGTH SHALL BE 4000 PSI IN 28 DAYS.
2. STEEL REINFORCEMENT - 6X6X10 W/MF
3. CONSTRUCTION JOINT SEALED WITH BUTYL RUBBER CEMENT AND TESTED FOR WATER TIGHTNESS PRIOR TO BACKFILLING.
4. SEPTIC TANK TO BE PRECAST WITH WATER TIGHT POLYETHYLENE PIPE SEALS (POLYLOCK SEALS) REQUIRING NO ADDITIONAL SEALING OR MORTARING.
5. SEPTIC TANK TO BE INSTALLED WITH GAS BAFFLE OR DEFLECTOR ON THE OUTLET.
6. OWNER HAS THE OPTION OF INSTALLING A SEPTIC TANK EFFLUENT FILTER IN THE OUTLET OF THE SEPTIC TANK. FILTER AS MANUFACTURED BY "POLYLOCK", I.E. IF THE FILTER IS INSTALLED, A RISER AND CLAMP LOCKABLE COVER MUST BE INSTALLED ON THE SEPTIC TANK OVER THE OUTLET ACCESS COVER.
7. SEPTIC TANK AS MANUFACTURED BY "WOODARD'S CONCRETE PRODUCTS, INC.", OR APPROVED EQUAL, MODEL ST-1000 (3 BEDROOMS) ST-1250 (4 BEDROOMS)



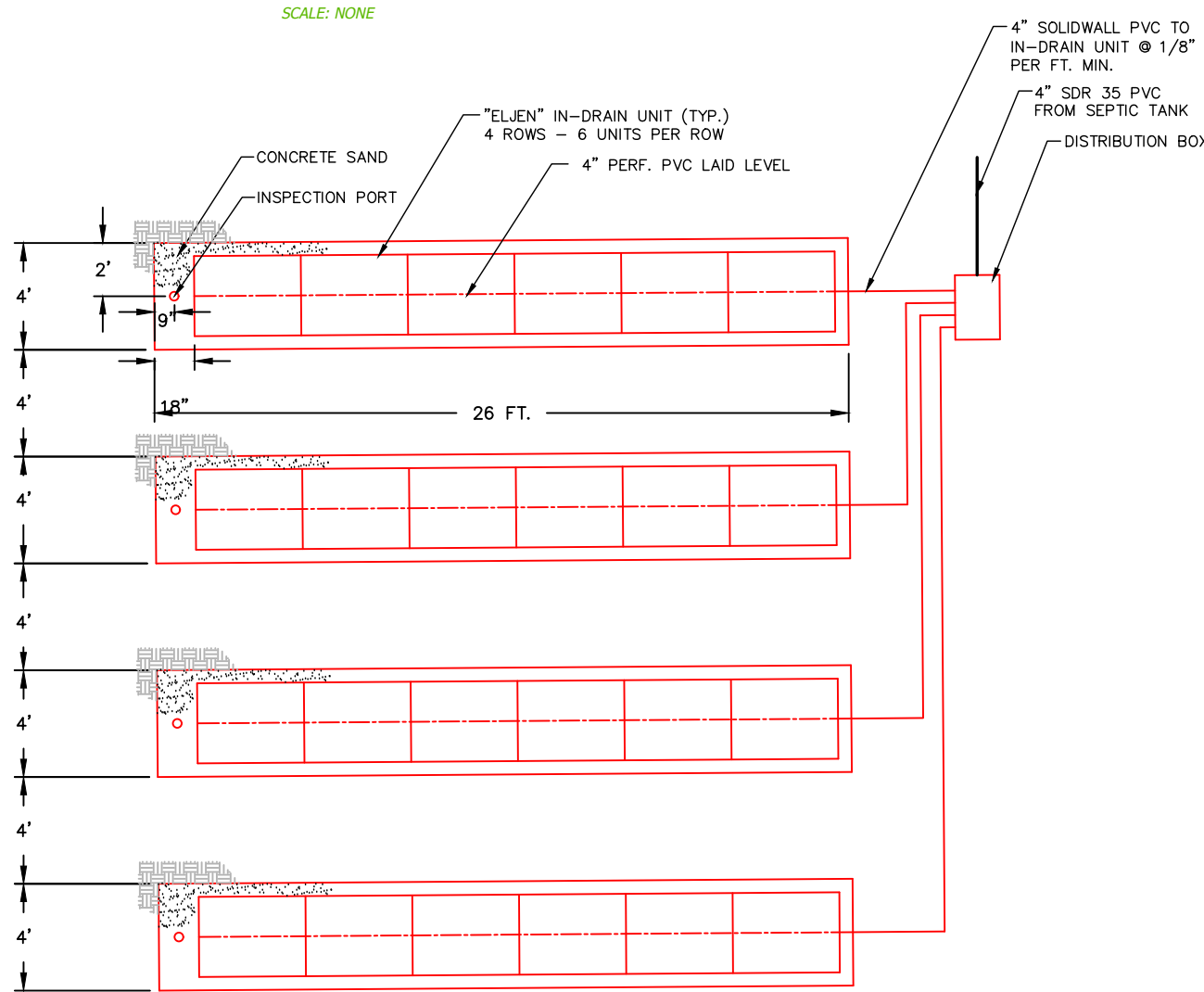
SDS - DIVERSION SWALE DETAIL

SCALE: NONE



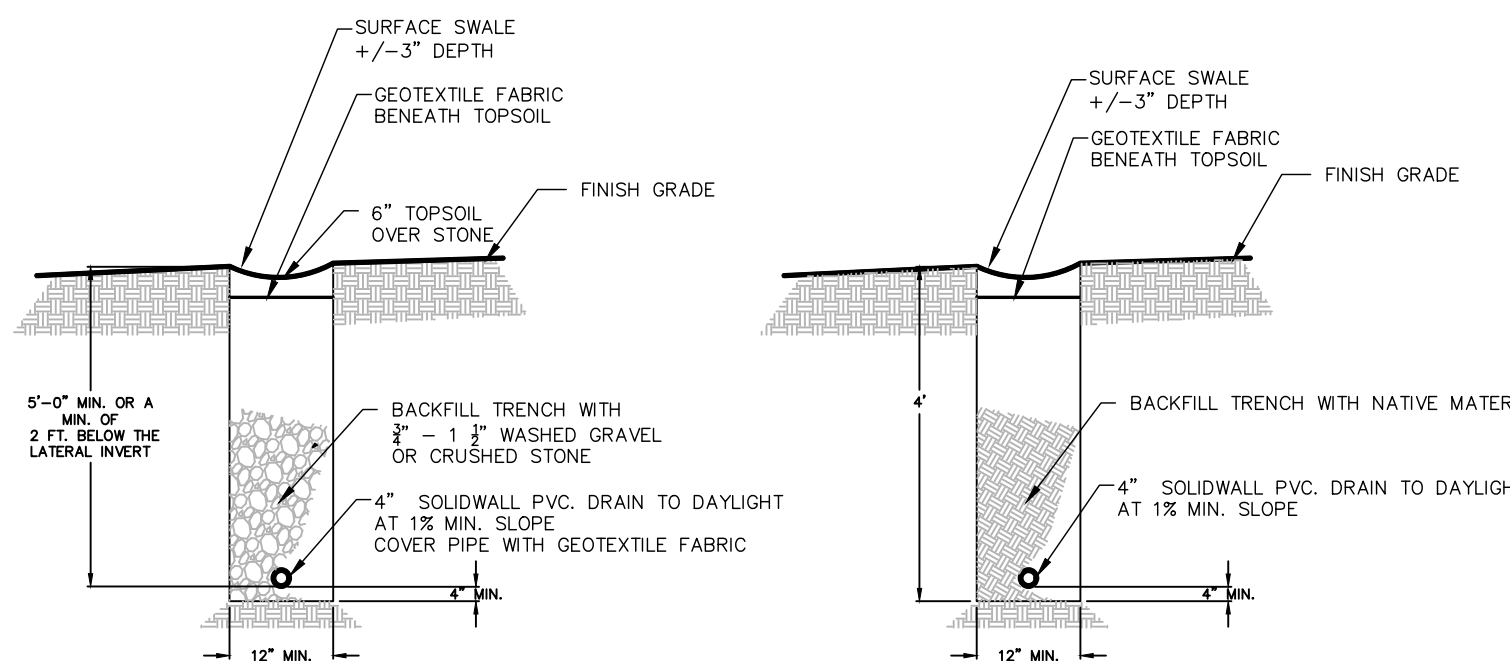
ABSORPTION TRENCH - SECTION VIEW

SCALE: NONE



ABSORPTION TRENCH - PLAN VIEW

SCALE: NONE



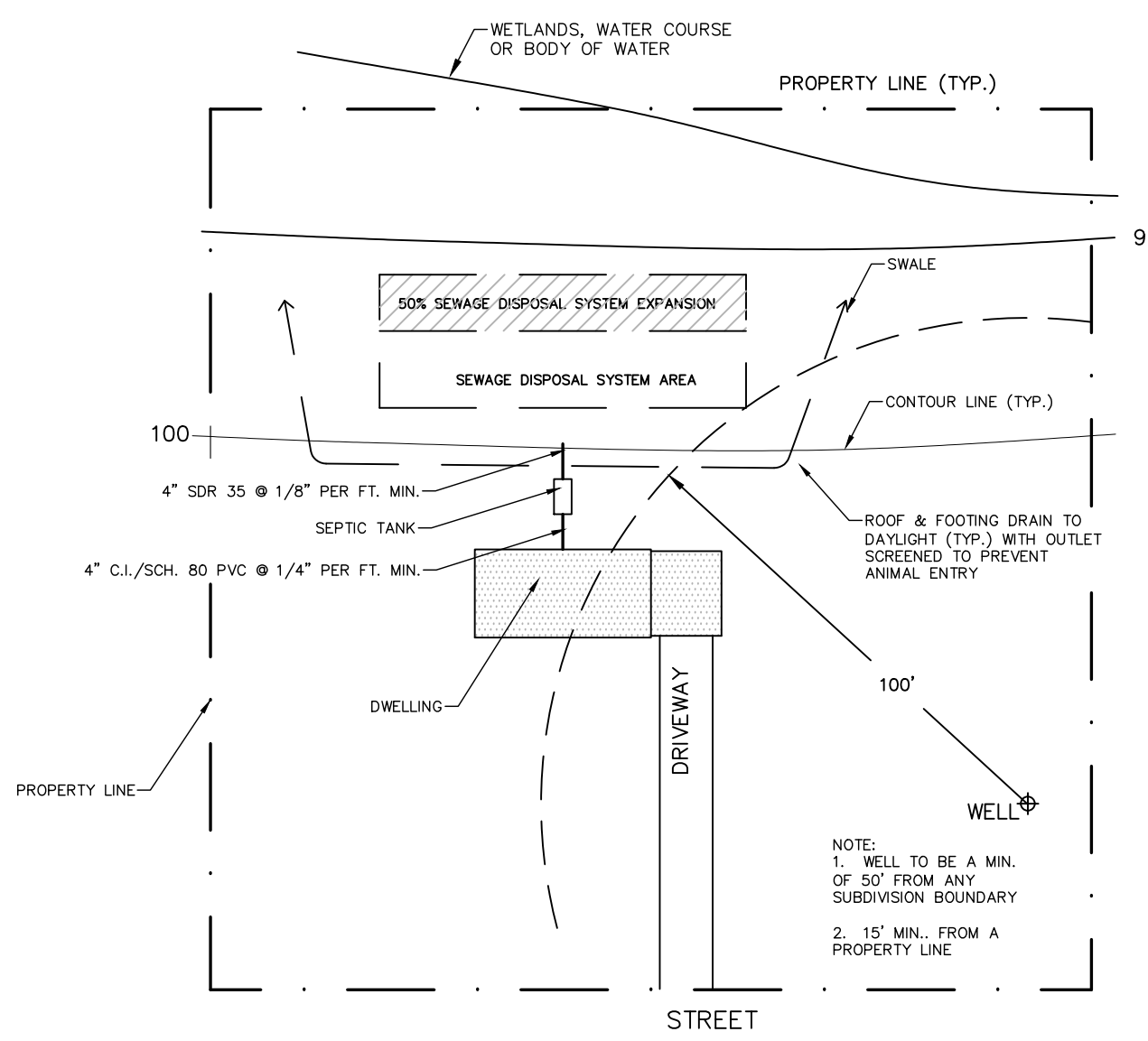
CURTAIN DRAIN DETAIL

SCALE: NONE

NOTE: LINE TRENCH WALLS AND BOTTOM W/ GEOTEXTILE FABRIC

CURTAIN DRAIN NOTES:

1. OUTLET OF CURTAIN DRAIN TO BE SCREENED TO PREVENT ANIMAL ENTRY.
2. OUTLET PIPE INVERT SHALL BE 12 INCHES MINIMUM ABOVE GRADE. DRAINAGE SWALE DOWNSTREAM OF THE OUTLET SHALL BE STONE-LINED FOR A MINIMUM OF 10 FT. TO PREVENT SOIL EROSION.
3. A MINIMUM OF 2 FT. COVER SHALL BE PROVIDED OVER THE NON-PERFORATED PIPE, AT A MINIMUM DISTANCE OF FIVE FEET FROM THE CURTAIN DRAIN OUTLET.
4. 15 FT. MIN. SEPARATION IS REQUIRED BETWEEN THE TRENCH OF THE CURTAIN DRAIN AND THE EDGE OF ANY ABSORPTION TRENCH OR TOE OF FILL.
6. A 10 FT. MIN. SEPARATION IS REQUIRED BETWEEN THE SOLID WALL PVC PIPE AND THE EDGE OF ANY ABSORPTION TRENCH.
7. SOLID WALL PVC PIPE WITHIN THE TRENCH IS TO BE BACK FILLED WITH NATIVE MATERIAL.



TYPICAL LOT LAYOUT - SDS SEPARATION REQUIREMENTS

SCALE: NONE

| MINIMUM REQUIRED SEPARATION DISTANCES |                            |                    |          |               |                                              |
|---------------------------------------|----------------------------|--------------------|----------|---------------|----------------------------------------------|
| SYSTEM COMPONENT                      | WELL                       | WATER BODY WETLAND | DWELLING | PROPERTY LINE | OPEN DRAINAGE TRENCH, CULVERT OR CATCH BASIN |
| HOUSE SEWER                           | 25' C.I./PVC 50' OTHERWISE | 25'                | 3'       | 10'           | N/A                                          |
| SEPTIC TANK                           | 50'                        | 50'                | 10'      | 10'           | 10'                                          |
| EFFLUENT LINE TO DISTRIBUTION DEVICE  | 50'                        | 50'                | 10'      | 10'           | 10'                                          |
| ABSORPTION FIELD                      | 100'                       | 100'               | 20'      | 10'           | 50'                                          |
| DISTRIBUTION DEVICE                   | 100'                       | 100'               | 20'      | 10'           | 10'                                          |

NOTES:

1. WHEN SEWAGE TREATMENT SYSTEMS ARE LOCATED IN COARSE GRAVEL OR UPGRADE AND IN THE SAME DIRECT GENERAL PATH OF DRAINAGE TO A WELL, THE CLOSEST PART OF THE TREATMENT SYSTEM SHALL BE AT LEAST 300 FEET AWAY FROM THE WELL.
2. SEPARATION DISTANCES FROM WATER BODIES SHALL BE MEASURED TO THE MEAN HIGH WATER MARK.
3. FOR ALL SYSTEMS INVOLVING THE PLACEMENT OF FILL, SEPARATION DISTANCES ARE MEASURED FROM THE TOE OF SLOPE OF THE FILL.
4. ANY WATER SERVICE LINE UNDER PRESSURE LOCATED WITHIN TEN FEET OF ANY ABSORPTION FIELD, SHALL BE INSTALLED INSIDE A LARGER DIAMETER WATER MAIN TO PROTECT THE POTABLE WATER SUPPLY.
5. ANY WATER SERVICE LINE UNDER PRESSURE CROSSING A SEWER SHALL BE INSTALLED WITH ONE FULL LENGTH OF WATER MAIN CENTERED ABOVE THE SEWER SO BOTH WATER CONNECTING JOINTS ARE AS POSSIBLE FROM THE SEWER. SECTION 8.6 OF THE "CALUMBI" - RECOMMENDED STANDARDS FOR WATER WORKS", SHALL BE FOLLOWED FOR SEPARATION OF WATER MAINS, SANITARY SEWERS, AND SEWERS.
6. SEPARATION FROM A WELL TO SWALE, STREAM OR WATER COURSE - 25 FT.
7. SEPARATION FROM AN ABSORPTION FIELD TO OPEN DRAINAGE, CULVERT, CATCH BASIN - 50 FT.
8. SEPARATION FROM ABSORPTION FIELD TO CURTAIN DRAIN - 15 FT.
9. SEPARATION FROM ABSORPTION FIELD TO EMBANKMENT OR STEEP SLOPE - 25 FT

| SOILS PERCOLATION TESTS |            |             |                        |                             |
|-------------------------|------------|-------------|------------------------|-----------------------------|
| TEST NO.                | RUN #      | DEPTH (IN.) | TOTAL TIME (MIN./SEC.) | STABILIZED RATE (MIN./SEC.) |
| PT 2-1                  | 1          | 24          | 9:00                   |                             |
|                         | 8/19/2022  | 2           | 12:00                  |                             |
|                         | 3          |             | 12:30                  | 12:30                       |
| PT 2-2                  | 1          | 24          | 2:40                   |                             |
|                         | 8/19/2022  | 2           | 3:40                   |                             |
|                         | 3          |             | 4:20                   |                             |
| PT 2-3                  | 1          | 24          | 7:00                   |                             |
|                         | 11/22/2022 | 2           | 8:30                   |                             |
|                         | 3          |             | 9:15                   | 9:15                        |

| SOILS TESTS - DEEP TESTS |            |
|--------------------------|------------|
| TEST PIT 1               | TEST PIT 2 |
| 8/19/2022                | 8/19/2022  |
| 12\"/>                   | 12\"/>     |

NOTE: SOILS TESTS CONDUCTED BY A REPRESENTATIVE OF JOSEPH GOTTLIEB P.E. ON THE DATE NOTED.

SOILS TEST 2-3 OBSERVED BY A REPRESENTATIVE OF THE TOWN ENGINEER'S OFFICE

| SEWAGE DISPOSAL SYSTEM DESIGN TABLE |                                        |                                                |             |
|-------------------------------------|----------------------------------------|------------------------------------------------|-------------|
| LOT NO.                             | STABILIZED PERCOLATION RATE (MIN./IN.) | ABSORPTION SYSTEM REQUIREMENTS PER BEDROOM     | SEPTIC TANK |
| 2                                   | 11-15 MIN./IN.                         | 24 ELIEN IN-DRAIN UNITS & LATERALS PER LATERAL | 1250 GALLON |

UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW. PLANS SHALL NOT BE CONSIDERED TRUE AND VALID COPIES UNLESS THEY CONTAIN THE ORIGINAL SEAL AND SIGNATURE OF THE ENGINEER AFFIXED TO EACH PLAN SHEET.

JOSEPH W. GOTTLIEB P.E.  
N.Y.S.P.E. LIC. NO. 47142

| 1        | 11/23/2022 | GENERAL REVISIONS - SOILS TEST INFORMATION |
|----------|------------|--------------------------------------------|
| 1        | 10/20/2022 | GENERAL REVISIONS                          |
| REVISION | DATE       | DESCRIPTION                                |

Joseph Gottlieb, P.E., P.C.  
Consulting Engineer  
P.O. Box 76  
Monticello, New York 12701-0076

PROJECT: **GAGLIARDI SUBDIVISION**

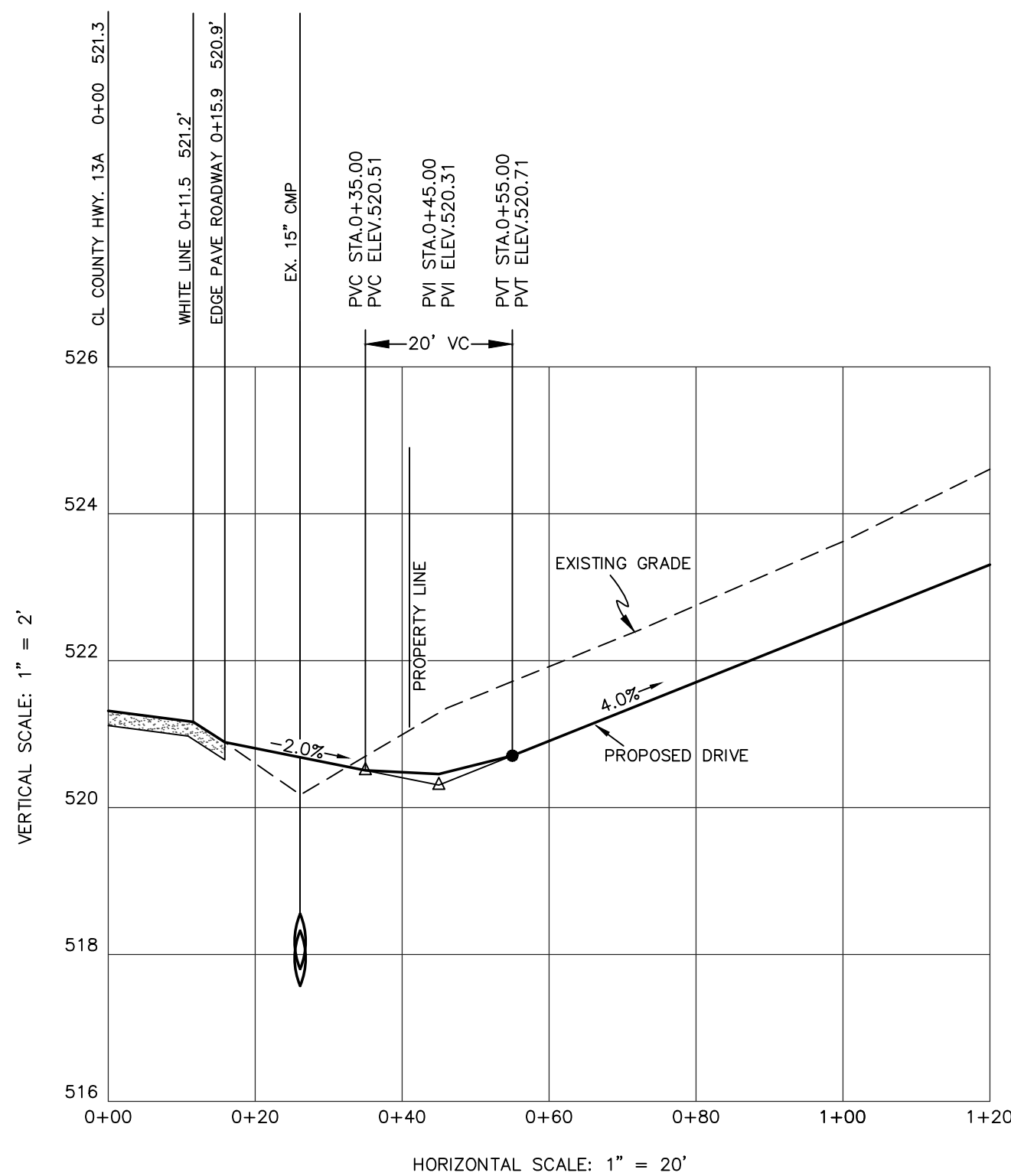
**TOWN OF CHESTER  
ORANGE COUNTY, NEW YORK**

TITLE: **CONSTRUCTION DETAILS - LOT 2**

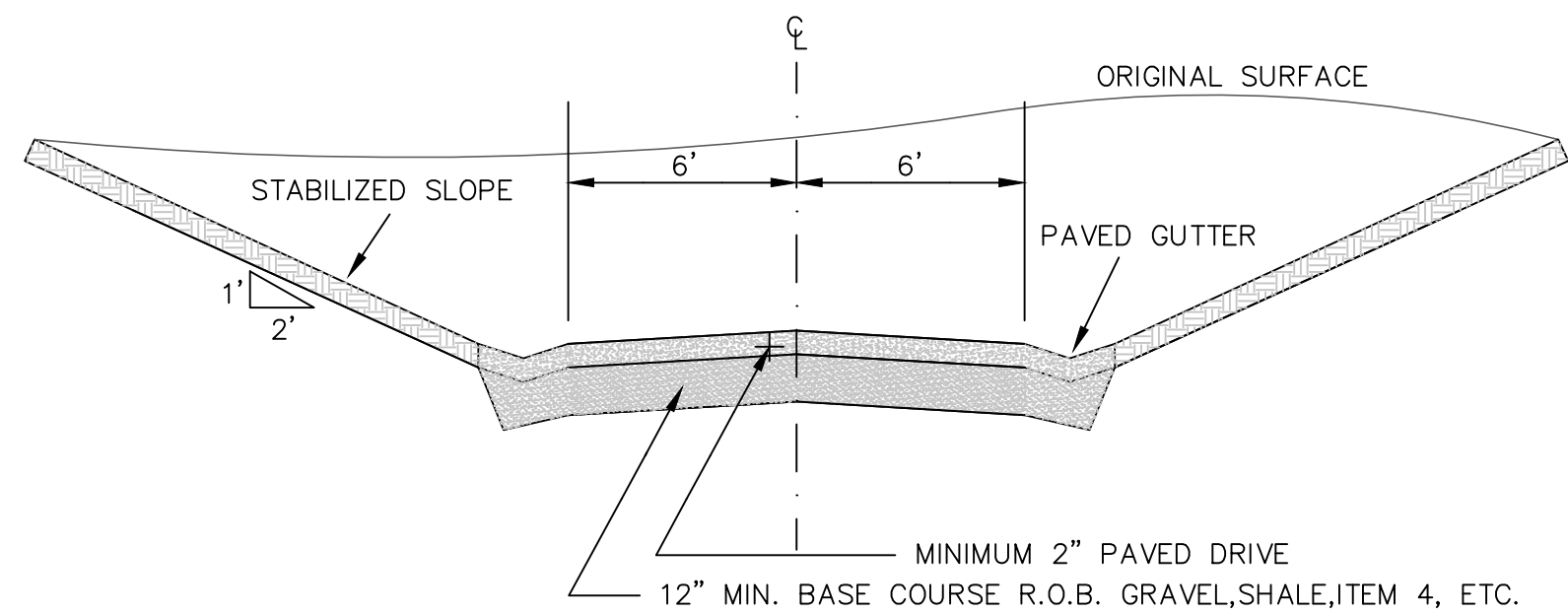
|                          |                 |
|--------------------------|-----------------|
| DRAWN BY: TEG            | CHECKED BY: JWG |
| DATE: SEPTEMBER 20, 2022 | SCALE: AS SHOWN |
| PROJECT NO:              | DRAWING NO:     |

20-070

3 of 4

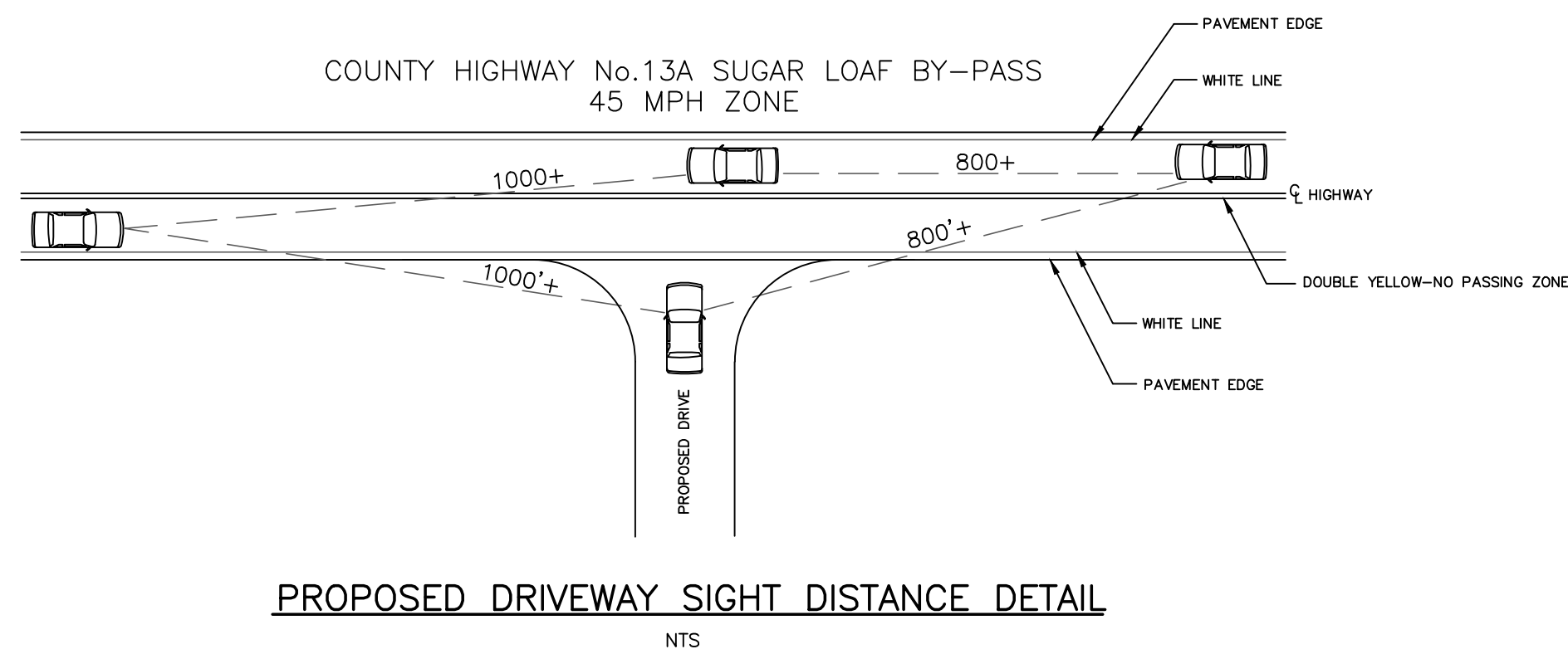


DRIVEWAY PROFILE LOT #2

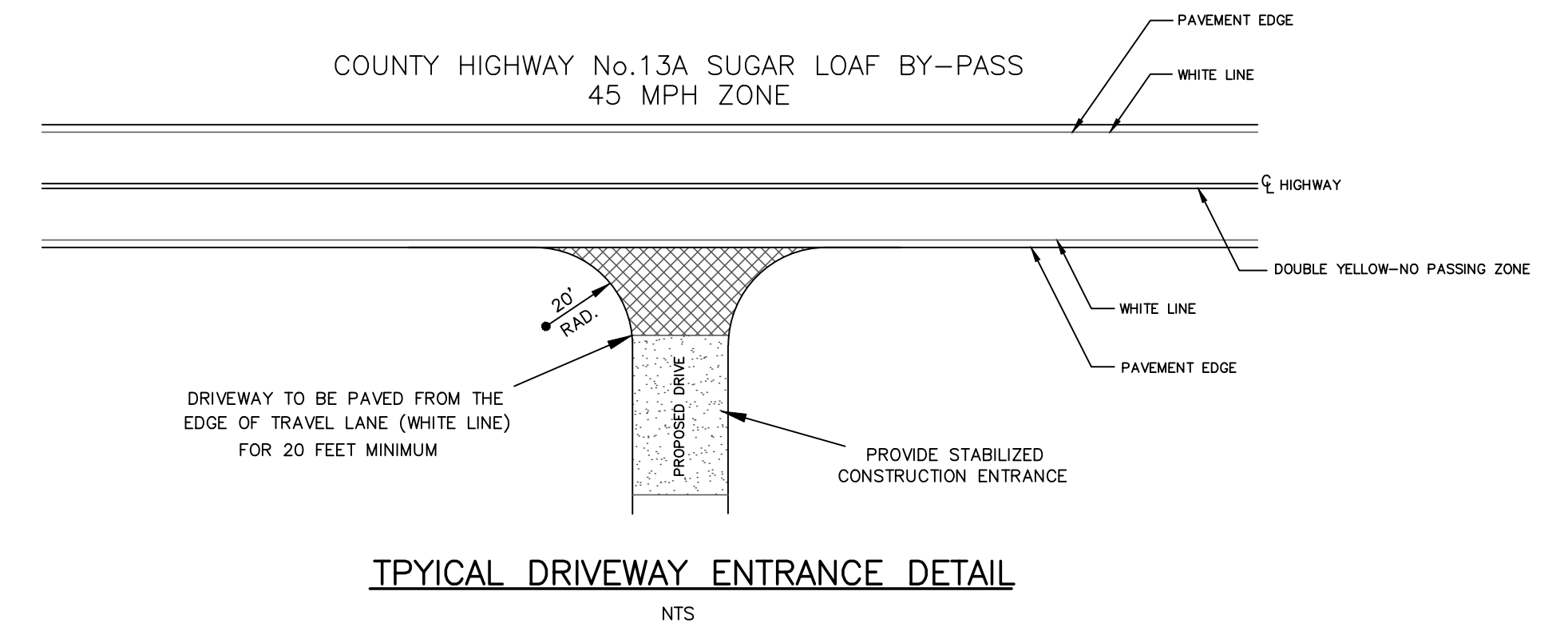


TYPICAL  
DRIVEWAY CUT - CROSS SECTION

NOTE: AT THE TIME OF CONSTRUCTION, THE NEW DRIVEWAY PAVEMENT IS TO BE KEYED INTO THE COUNTY ROAD SHOULDER ASPHALT AS DIRECTED BY THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS - DIVISION OF ENGINEERING.



PROPOSED DRIVEWAY SIGHT DISTANCE DETAIL



TYPICAL DRIVEWAY ENTRANCE DETAIL

COUNTY HIGHWAY ENTRANCE DESIGN  
&  
DETAILS  
FOR

GAGLIARDI

TOWN OF CHESTER  
SCALE: 1"=20'

ORANGE COUNTY, N.Y.  
OCTOBER 20, 2022

COUNTY HIGHWAY ENTRANCE DESIGN

NOTE: NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.

MAINTENANCE AND PROTECTION OF TRAFFIC:

1. PROVIDE A TRAFFIC CONTROL PLAN FOR PERFORMING THE PROPOSED WORK WITHIN THE COUNTY RIGHT OF WAY. ALL CONSTRUCTION SIGNAGE IS REQUIRED TO BE IN PLACE PRIOR TO COMMENCING ANY WORK WITHIN THE COUNTY RIGHT OF
2. ALL CONSTRUCTION SIGNAGE IS REQUIRED TO MEET THE REQUIREMENTS AS PER THE "NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND NYS SUPPLEMENT LATEST EDITION AND REVISIONS. THE CONSTRUCTION SIGNAGE SHALL BE INSTALLED ON BREAKAWAY POSTS OR ON WIND-MASTERS AND COVERED AND UNCOVERED ON A DAILY BASIS. THE CONTRACTOR MUST HAVE ALL THE NECESSARY CONSTRUCTION SIGNS TO PERFORM THE WORK SAFELY.
3. THE FOLLOWING SIGNS ARE REQUIRED TO BE PLACED IN EACH DIRECTION WHEN ONE LANE IS CLOSED TO PERFORM THE WORK: ROAD WORK 1500 FT, ROAD WORK 1000 FT, ROAD WORK 500 FT, ONE LANE ROAD AHEAD, FLAGGER SYMBOL ON EACH APPROACH WHEN TAKING A TRAVEL LANE AS PER ORANGE COUNTY REQUIREMENTS.
4. THE FOLLOWING SIGNS ARE REQUIRED WHEN WORK IS PERFORMED ON THE SHOULDER: ROAD WORK 1500 FT, ROAD WORK 1000 FT, ROAD WORK 500 FT, NO SHOULDER AS PER ORANGE COUNTY REQUIREMENTS. FLAGGER SYMBOLS ARE REQUIRED TO BE AVAILABLE FOR A NO SHOULDER WORK ZONE IN CASE FLAGGERS ARE USED TO DIRECT TRAFFIC.
5. THE MORE STRINGENT SIGN REQUIREMENTS OF ORANGE COUNTY SUPERSEDE ANY MUTCD REQUIREMENTS.
6. PRIOR TO THE COMMENCEMENT OF ANY WORK BEING PERFORMED, A PRECONSTRUCTION MEETING WITH THE COUNTY TO CONFIRM THAT SIGNAGE IS IN CONFORMANCE WITH PLANS OR COUNTY REQUIREMENTS.
7. ALL CONSTRUCTION SIGNAGE IS REQUIRED TO BE 730-05.02 -ASTM TYPE III (CLASS B) AS PER NYS STANDARD SPECIFICATIONS. CONSTRUCTION AND MATERIALS. HI-INTENSITY REFLECTIVE SHEETING OFTEN REFERRED TO AS HIGH INTENSITY. WORK ZONE IS REQUIRED TO BE PROPERLY DELINEATED WITH CONES AND/OR CONSTRUCTION BARRELS.
8. ORANGE COUNTY RESERVES THE RIGHT TO PRECLUDE ALL WORK AND LANE CLOSURES DURING ANY INCLEMENT WEATHER OR OTHER UNFORESEEN CIRCUMSTANCES (I.E. WET, ICY CONDITIONS, REDUCED VISIBILITY, TRAFFIC ACCIDENTS ON STATE, COUNTY, TOWN OR VILLAGE ROAD, OR OTHER EMERGENCIES).
9. NO LANES CLOSURES WILL BE PERMITTED FROM 12 NOON PRIOR TO A HOLIDAY AND UNTIL 10 AM THE DAY AFTER THE HOLIDAY. FLAGGERS SHALL NOT CONTROL MORE THAN ONE APPROACH AT ANY TIME THROUGHOUT THE DURATION OF THE WORK ZONE. ADDITIONAL FLAGGERS ARE REQUIRED TO CONTROL ALL APPROACHES IN A WORK ZONE.
10. ONE LANE OF TRAFFIC MUST BE OPEN AT ALL TIMES. NO EXCEPTIONS
11. EIGHTEEN (18) INCH STOP AND SLOW PADDLES ARE REQUIRED TO DIRECT TRAFFIC.
12. TWO WAY RADIOS ARE REQUIRED FOR FLAGGERS TO COMMUNICATE WITH EACH OTHER.
13. ALL CONSTRUCTION PERSONNEL ARE REQUIRED TO WEAR HARD HATS AND SAFETY VESTS.
14. ORANGE COUNTY MUST BE NOTIFIED IMMEDIATELY OF ANY ON-SITE ACCIDENTS.

LANDSCAPING:

1. NO PLANTINGS (SHRUBS/TREES) OR LANDSCAPING FEATURES (GATES, FENCES, STONE PILLARS, STONE WALLS, SIGNS, ETC.) SHALL BE PLACED WITHIN THE COUNTY RIGHT OF WAY.
2. NO STONES OR BOULDERS CAN BE USED OR INSTALLED WITHIN THE COUNTY RIGHT OF WAY FOR ANY PURPOSE (I.E. LANDSCAPING FEATURES OR TO CREATE A FLARED END SECTION AT THE END OF A CULVERT PIPE.).
3. ANY PLANTING AND LANDSCAPING FEATURES ARE REQUIRED TO BE OFFSET FROM THE PROPERTY LINE BY 5 FEET.
4. NO GRADING CAN BE PERFORMED WITHIN THE COUNTY RIGHT OF WAY.