

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:

NMC3, LLC
SUGAR LOAF BY-PASS
CHESTER, NY 10918

NOTES:

- TAX MAP DESIGNATION: TOWN OF CHESTER
SECTION 13 BLOCK 1 LOT 41.22 & 39
- WATER SUPPLY: PRIVATE WELL
- SEWAGE DISPOSAL: PRIVATE SUBSURFACE
- FEDERAL WETLANDS FLAGGED BY ROBERT G. TORGENSEN, L.A. CPESC,
AND FIELD LOCATED ON FEBRUARY 2, 2020 BY JAMES A. DILLIN, PLS.
AND FIELD LOCATED ON FEBRUARY 2, 2020 BY JAMES A. DILLIN, PLS.
- FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP,
TOWN OF CHESTER 36070, COMMUNITY-PANEL NUMBER 36071 CD458E,
DATED AUGUST 3, 2009 ZONE A: "AREAS OF 100-YEAR FLOOD: BASE
FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS NOT DETERMINED."
- DUE TO POTENTIAL HABITAT FOR THE LONG EARED INDIANA BAT, TREE
CUTTING SHALL BE LIMITED TO NOVEMBER 15TH THROUGH MARCH 31ST

DRAWING INDEX

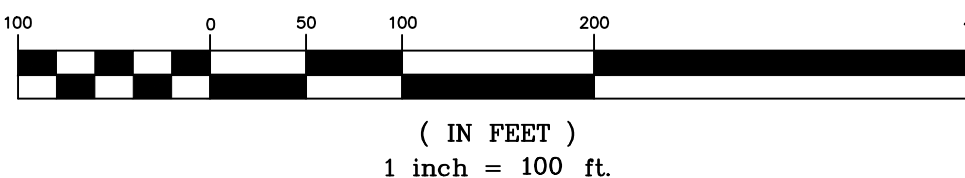
- SUBDIVISION PLAN
- OVERALL SITE PLAN
- SITE PLAN LOTS 1, 2, 3 & 4
- SITE PLAN LOTS 5, 6 & 7
- SOS DETAILS
- SOIL TESTS & EROSION CONTROL DETAILS
- COUNTY ENTRANCE PLAN

SUBDIVISION OF PROPERTY
FOR
NMC3, LLC.

TOWN OF CHESTER ORANGE COUNTY, N.Y.
SCALE: 1"=100' TOTAL AREA= 72.611 ACRES

JULY 20, 2020
REVISED: NOVEMBER 19, 2020
REVISED: DECEMBER 21, 2020
REVISED: FEBRUARY 17, 2021

GRAPHIC SCALE



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

STATE OF NEW YORK
JAMES A. DILLIN, PLS.
PROFESSIONAL LAND SURVEYOR
GOSHEN, NEW YORK
LIC. 49087



COUNTY HIGHWAY ENTRANCE DESIGN

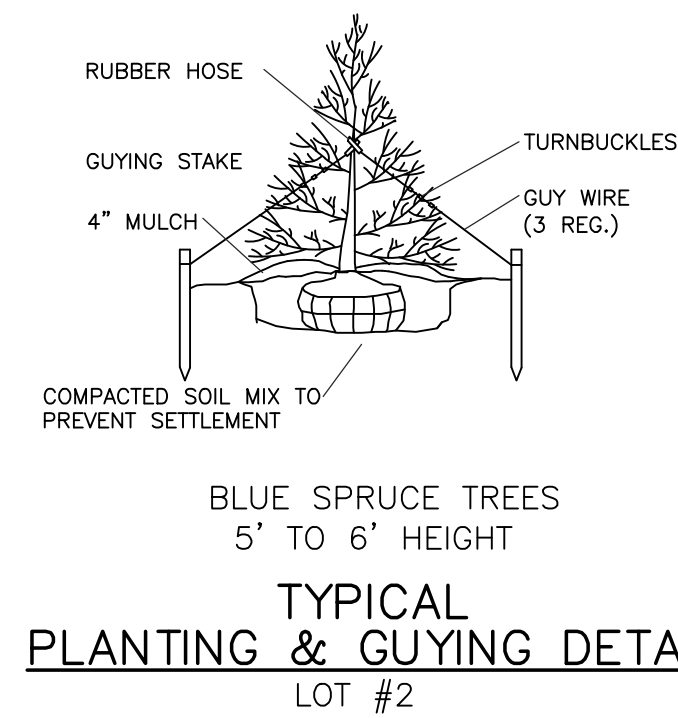
NOTE: NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS
SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN
SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS
UNDER SECTION 136 OF THE HIGHWAY LAW.

APPROVED FOR FILING

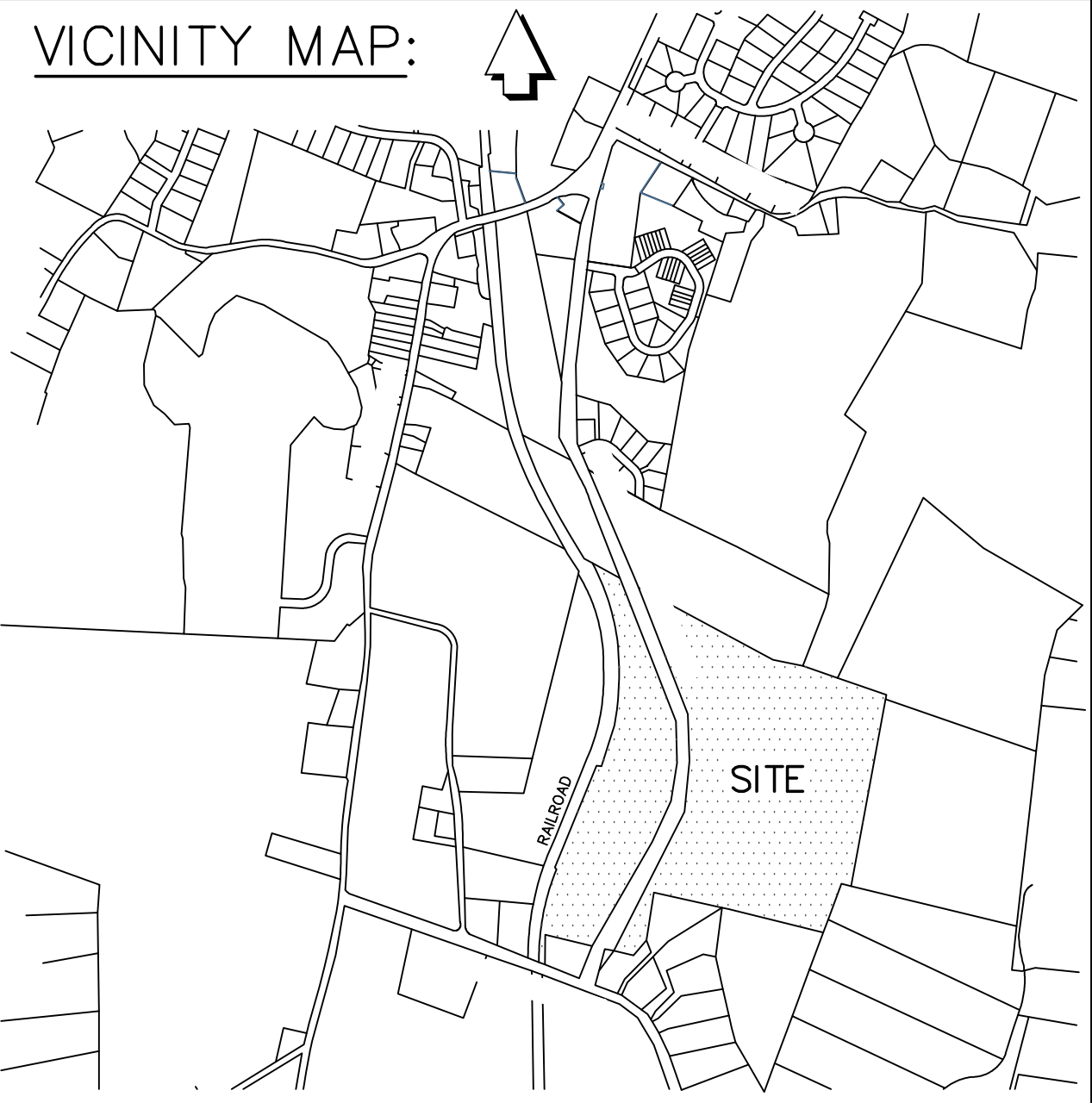
OWNER

DATE

TOWN OF CHESTER APPROVAL BOX



AREA OF DISTURBANCE	
LOT #1	= 0.60± ACRES
LOT #2	= 0.59± ACRES
LOT #3	= 0.46± ACRES
LOT #4	= 0.60± ACRES
LOT #5	= 0.74± ACRES
LOT #6	= 0.97± ACRES
LOT #7	= 0.65± ACRES
TOTAL DISTURBANCE AREA = 4.61± ACRES	



OVERLAY DISTRICTS:

RIDGE PRESERVATION OVERLAY DISTRICT

ZONE: AR-.3 AGRICULTURAL RESIDENTIAL REQUIRED

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OWNER & APPLICANT:

NMC3, LLC
SUGAR LOAF BY-PASS
CHESTER, NY 10918

NOTES:

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3. SEWAGE DISPOSAL: PRIVATE SUBSURFACE
4. FEDERAL WETLANDS FLAGGED BY ROBERT G. TORGENSEN, L.A. CPESC, AND FIELD LOCATED ON FEBRUARY 2, 2020 BY JAMES A. DILLIN, PLS.
5. FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP, TOWN OF CHESTER 360870, COMMUNITY-PANEL NUMBER 36071 CO458E, DATED AUGUST 3, 2009 ZONE A: "AREAS OF 100-YEAR FLOOD: BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS NOT DETERMINED."
6. DUE TO POTENTIAL HABITAT FOR THE LONG EARED INDIANA BAT, TREE CUTTING SHALL BE LIMITED TO NOVEMBER 15TH THROUGH MARCH 31ST
7. LOTS 2, 3, 4, & 5 CONTAIN FEDERAL WETLANDS AS SHOWN ON THE OVERALL SITE PLAN. NO ENCROACHMENT OF ANY KIND ARE ALLOWED WITHOUT PROPER PERMITTING FROM THE A.C.O.E.
8. LOT #2 WILL REQUIRE A PLANTING BUFFER AS SHOWN ON SHEETS 2 & 3 FOR BLUE SPRUCE TREES TO BE PLANTED 15' FROM EXISTING FEDERAL WETLANDS AT 30' INTERVALS TO PROVIDE A PHYSICAL BUFFER FOR PROTECTION OF WETLANDS. PLANTINGS REQUIRED PRIOR TO A BUILDING PERMIT.

DRAWING INDEX

1. SUBDIVISION PLAN
2. OVERALL SITE PLAN
3. SITE PLAN LOTS 1, 2, 3 & 4
4. SITE PLAN LOTS 5, 6 & 7
5. SDS DETAILS
6. SOIL TESTS & EROSION CONTROL DETAILS
7. COUNTY ENTRANCE PLAN

SLOPES OVER 15%

OVERALL SITE PLAN
FOR
NMC3, LLC.

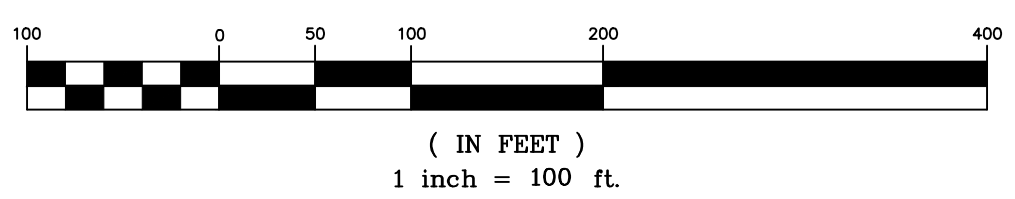
TOWN OF CHESTER ORANGE COUNTY, N.Y.
SCALE: 1"=100' TOTAL AREA= 72.611 ACRES
JULY 20, 2020
REVISED: NOVEMBER 19, 2020
REVISED: DECEMBER 21, 2020
REVISED: FEBRUARY 17, 2021

ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THE PROPOSED SEWAGE AND WATER FACILITIES FOR EACH LOT ARE DESIGNED IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS PROMULGATED BY THE NEW YORK STATE DEPARTMENTS OF HEALTH AND ENVIRONMENTAL CONSERVATION FOR RESIDENTIAL LOTS, AND FURTHER, THAT SUCH DESIGN IS BASED UPON ACTUAL SOIL AND SITE CONDITIONS FOUND UPON SUCH LOT AT THE DESIGN LOCATION AT THE TIME OF SUCH DESIGN.

THE ACTUAL INSTALLATION OF SUCH SEWAGE AND WATER FACILITIES SHALL BE IN ACCORDANCE WITH THE DESIGN AND AT THE LOCATION AS SO CERTIFIED ON THIS SUBDIVISION PLAN.

GRAPHIC SCALE



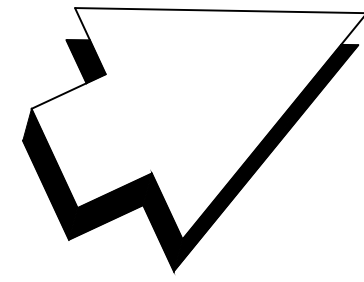
1" = 100 FT.
I HEREBY CERTIFY THAT THIS MAP SHOWS THE RESULT OF AN ACTUAL FIELD SURVEY COMPLETED ON MARCH 24, 2020.

JOSEPH A. DILLIN, P.E., P.C.
REGISTERED PROFESSIONAL ENGINEER
P.O. BOX 76
MONTICELLO
NEW YORK 12071
(845) 794-5506

JAMES A. DILLIN, PLS.
REGISTERED PROFESSIONAL LAND SURVEYOR
GOSHEN, NEW YORK
LIC.49087

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.



LEGEND

SYMBOL	DESCRIPTION
○	PROPOSED WELL
□	PROPOSED SEPTIC TANK
▢	PROPOSED DISTRIBUTION BOX
—	FLARED END SECTION
=====	PROPOSED DRAINAGE PIPE
○	PERCOLATION TEST
□	DEEP TEST
—	SURFACE WATER SWALE
---	EXISTING CONTOURS
---	PROPOSED CONTOURS
---	SILT FENCE
---	DISTURBANCE LINE

OVERLAY DISTRICTS:

RIDGE PRESERVATION OVERLAY DISTRICT

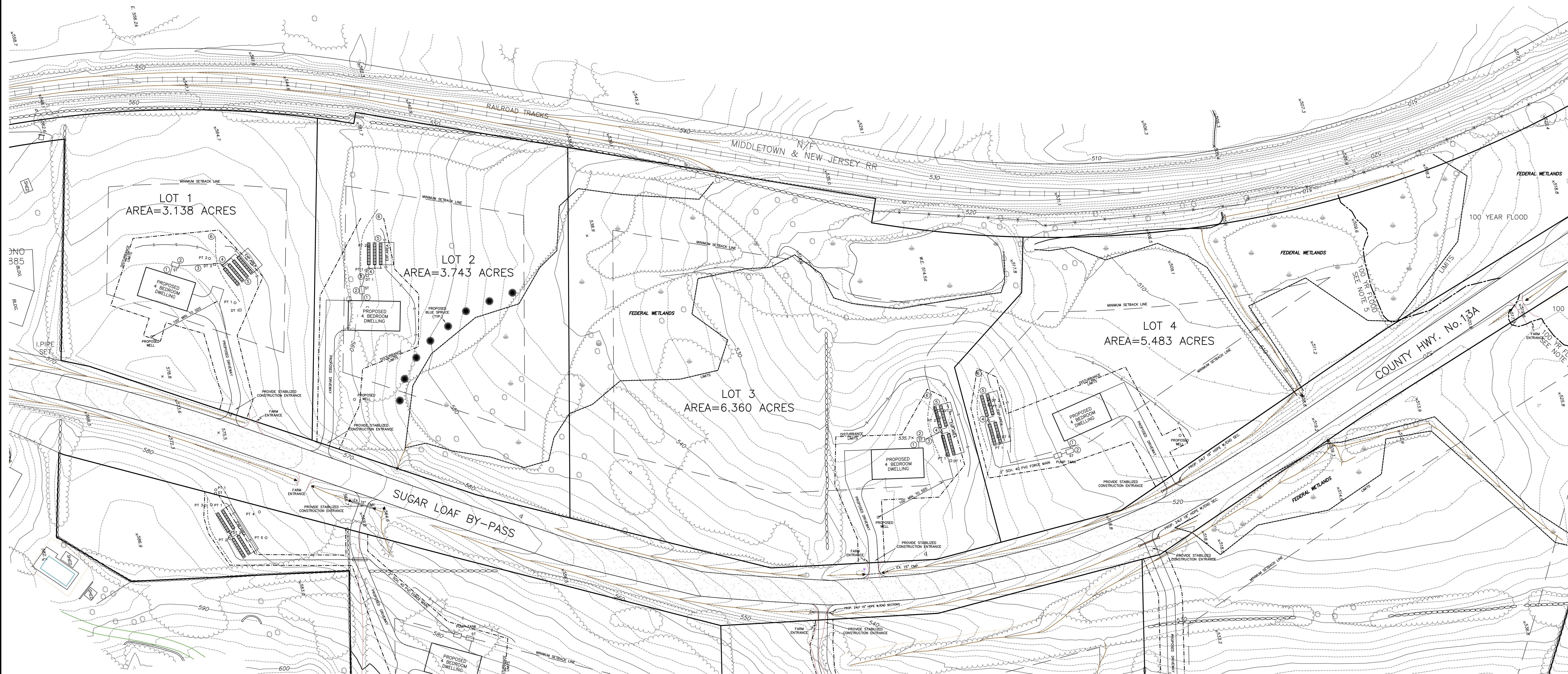
ZONE: AR-.3

AGRICULTURAL RESIDENTIAL

REQUIRED

SUPPLIED

		LOT 1	LOT 2	LOT 3	LOT 4
MINIMUM LOT AREA.....	3 ACRES	3,138 ACS.	3,743 ACS.	6,360 ACS.	5,483 ACS.
MINIMUM LOT WIDTH.....	250 FT.	354.4 FT.	361.3 FT.	567.1 FT.	1050.0 FT.
MINIMUM FRONT YARD.....	100 FT.	111.9 FT.	156.0 FT.	110.8 FT.	109.7 FT.
MINIMUM SIDE YARD.....	40 FT.	101.2 FT.	45.8 FT.	68.8 FT.	111.1 FT.
MINIMUM BOTH SIDE YARD.....	100 FT.	261.5 FT.	273.4 FT.	475.1 FT.	980.1 FT.
MINIMUM REAR YARD.....	100 FT.	211.3 FT.	241.5 FT.	292.0 FT.	215.3 FT.
MAXIMUM LOT COVERAGE.....	10 %	< 35'	< 35'	< 35'	< 35'
MAXIMUM BUILDING HEIGHT.....	35 FT.				



SITE PLAN LEGEND

- PT 10 PERCOLATION TEST
- DT 10 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 SURFACE WATER DIVERSION SWALE

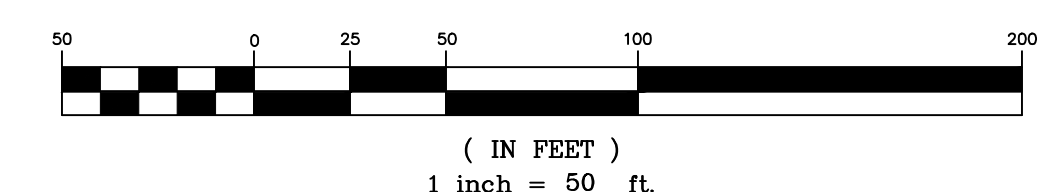
SITE PLAN
FOR
NMC3, LLC.

TOWN OF CHESTER
SCALE: 1"=50'

ORANGE COUNTY, N.Y.
TOTAL AREA= 72.611 ACRES

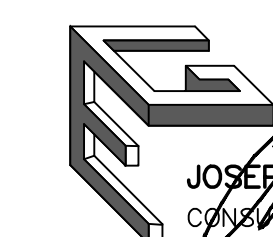
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GRAPHIC SCALE



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 138 OF THE HIGHWAY LAW.

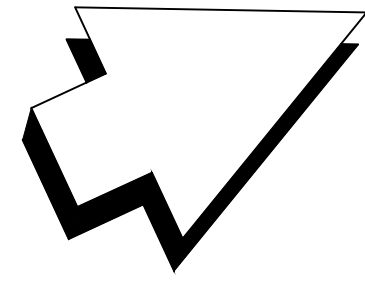


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JAMES A. DILLIN, PLS
PROFESSIONAL LAND SURVEYOR
GOSHEN, NEW YORK



LEGEND

SYMBOL	DESCRIPTION
○	PROPOSED WELL
ST	PROPOSED SEPTIC TANK
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---	PROPOSED CONTOURS
S	SILT FENCE
---	DISTURBANCE LINE

OVERLAY DISTRICTS:

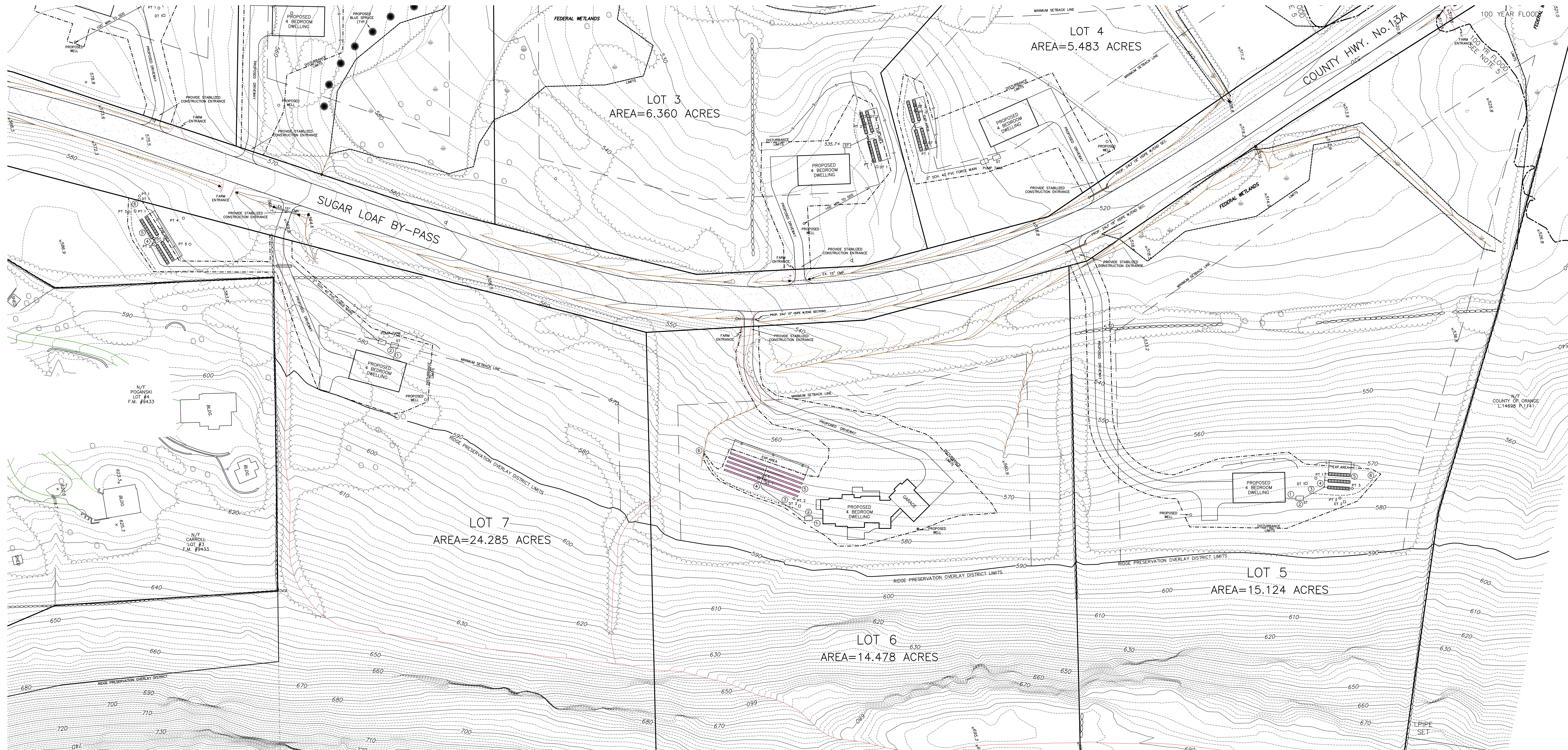
RIDGE PRESERVATION OVERLAY DISTRICT

ZONE: AR-3

AGRICULTURAL RESIDENTIAL

SUPPLIED

	REQUIRED	LOT 5	LOT 6	LOT 7
MINIMUM LOT AREA.....	3 ACRES	15,124 ACS.	14,478 ACS.	24,285 ACS.
MINIMUM LOT WIDTH.....	250 FT.	795.0 FT.	577.0 FT.	518.4 FT.
MINIMUM FRONT YARD.....	100 FT.	345.3 FT.	233.0 FT.	120.0 FT.
MINIMUM SIDE YARD.....	40 FT.	205.4 FT.	230.3 FT.	98.6 FT.
MINIMUM BOTH SIDE YARD.....	100 FT.	418.4 FT.	498.3 FT.	421.2 FT.
MINIMUM REAR YARD.....	100 FT.	828.8 FT.	816.1 FT.	929.2 FT.
MAXIMUM LOT COVERAGE.....	10 %	<	<	<
MAXIMUM BUILDING HEIGHT.....	35 FT.	< 35'	< 35'	< 35'



SITE PLAN
FOR

NMC3, LLC.

TOWN OF CHESTER
SCALE: 1"=50'

ORANGE COUNTY, N.Y.
TOTAL AREA= 72.611 ACRES

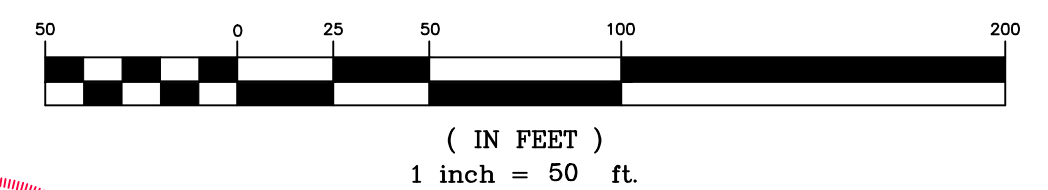
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SITE PLAN LEGEND

- PT 1 ○ PERCOLATION TEST
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- ⑤ ABSORPTION TRENCHES
- ⑥ SURFACE WATER DIVERSION SWALE

COUNTY HIGHWAY ENTRANCE DESIGN

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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 BLEND INTO THE EXISTING SURFACES. ALL DISTURBED SURFACES SHALL BE RE-SEEDED AND MULCHED IMMEDIATELY AFTER FINAL GRADING.

2. THE CONTRACTOR SHALL MAKE SURE THE BOTTOM OF THE ABSORPTION TRENCH EXCAVATION BEFORE PLACING THE ABSORPTION TRENCHES SHALL NOT BE RETEILED IN ANY PLACES.

3. ALL FIELD PIPING SHALL BE PVC.

4. NO FIELD PIPING 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, SEWERAGE TRENCHES, OR OTHER STRUCTURES 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 UPBELL, 200 FT. IF WELL CORRELL AND IN THE DIRECT PATH OF DRAINAGE.

8. ABSORPTION TRENCH EXCAVATION SHALL BE INSTALLED TO BE PARALLEL TO GROUND CONTOURS.

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 THE REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF HEALTH FOR RESIDENTIAL LOTS. THE DESIGN OF THE OFFICIAL COMPLETION OF CODES, RULES AND REGULATIONS OF THE STATE OF NEW YORK.

12. SEWAGE DISPOSAL SYSTEMS SHALL NOT BE INSTALLED IN AREAS WITH GREATER THAN 10% SLOPE.

13. THIS OFFICE CANNOT BE RESPONSIBLE FOR THE CONSTRUCTION OF A SEWAGE DISPOSAL SYSTEM UNLESS IT IS INSURED IN THE CONSTRUCTION SUPERVISION OF THE SAME. OUR DESIGN MEETS THE STATED REQUIREMENTS AND RESPECTIVE CODES FOR OBTAINING APPROVAL FROM THE APPROPRIATE REVIEWING AGENCIES. THE 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 DISMANTLING OF THE HOUSE, THE ENGINEER SHALL CONVEY TO THE LOCAL CODE ENFORCEMENT OFFICER THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDESIRABLE MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING, OR AFTER CONSTRUCTION. EXISTING CASE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDESIRABLE MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.

15. SEWAGE DISPOSAL SYSTEMS WERE NOT DESIGNED TO ACCOMMODATE GARBAGE OR OTHERS. JACOBI TYPE DRAINAGE OVER 100 GALLONS OR WATER CONTAINERS ARE NOT ALLOWED. THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SYSTEM IS REDESIGNED TO ACCOMMODATE THEM AND RE-APPROVED BY THE TOWN OF CHESTER.

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. EXISTING CASE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDESIRABLE MOVEMENT OF CONSTRUCTION EQUIPMENT IN 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 SHOWN 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) ALONGING SEPTIC CASKING TO DISCHARGE THROUGH THE SEPTIC TANK.

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 MIN. STRENGTH - 4,000 PSI @ 28 DAYS

REINFORCEMENT - #6X10 W/M. #4 REBAR E&A WAY

AIR ENTRAINED - YES

CONSTRUCTION JOINT - BUTYL RUBBER BASE CEMENT

PIPE CONNECTION - POLYLOK 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 LEVELING DEVICES SHALL BE INSTALLED

PIPE AND FITTINGS

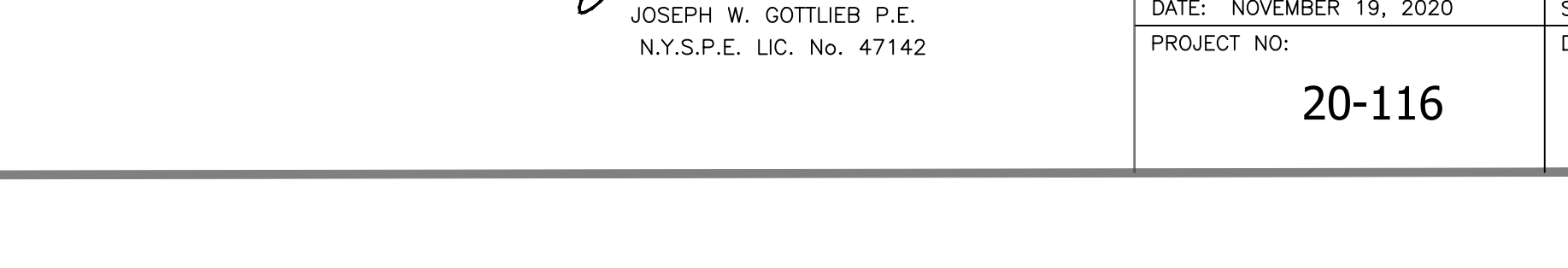
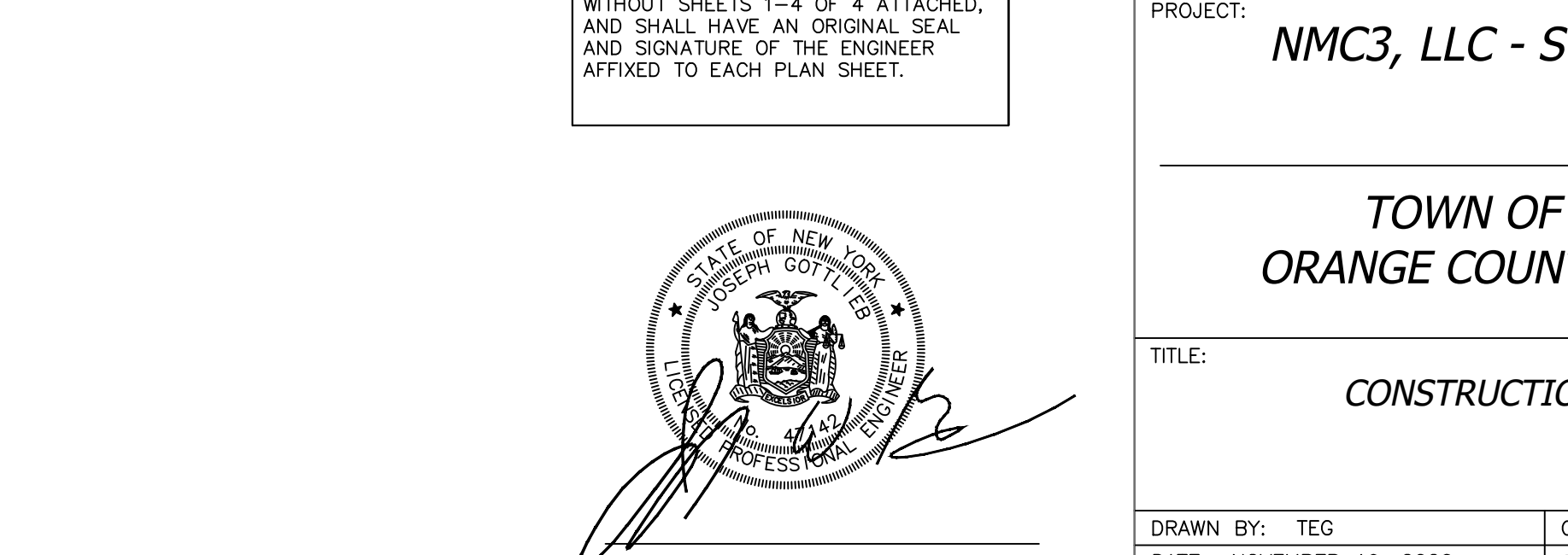
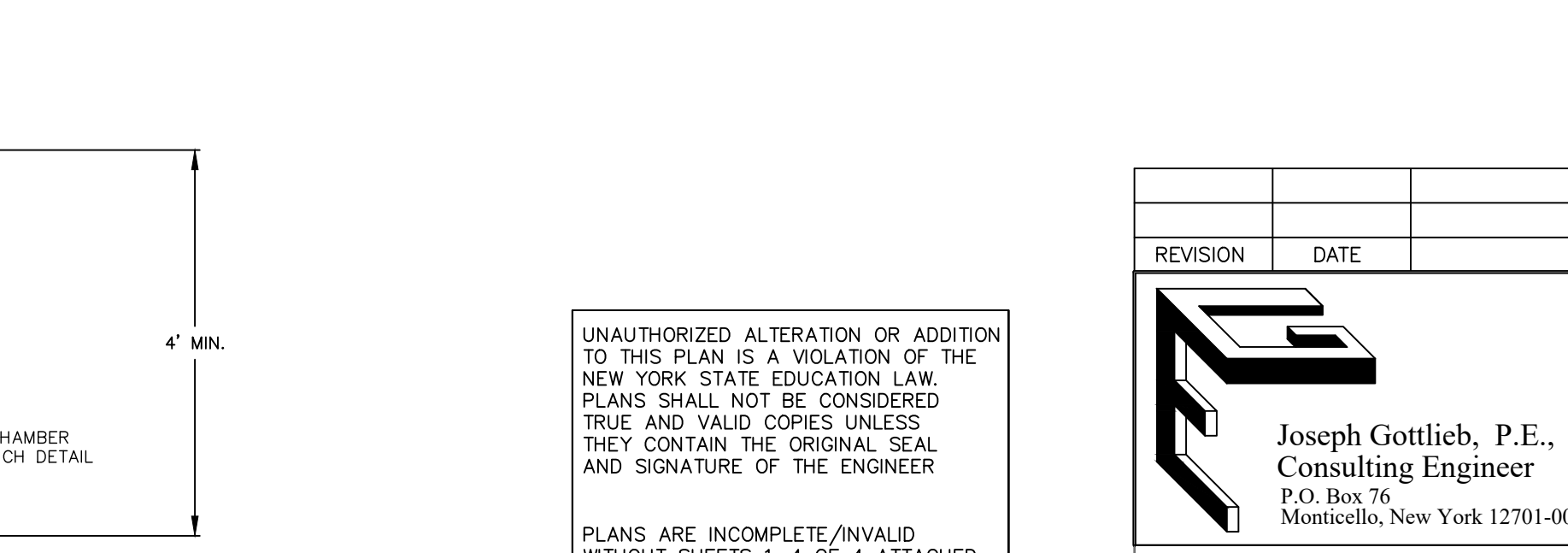
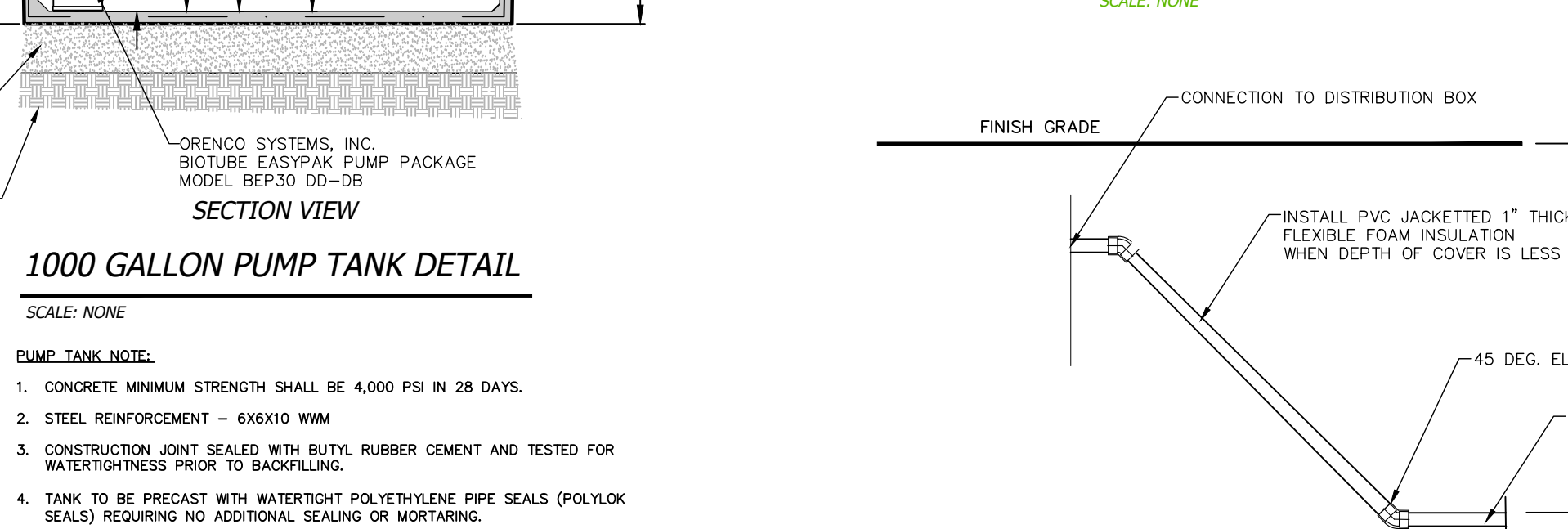
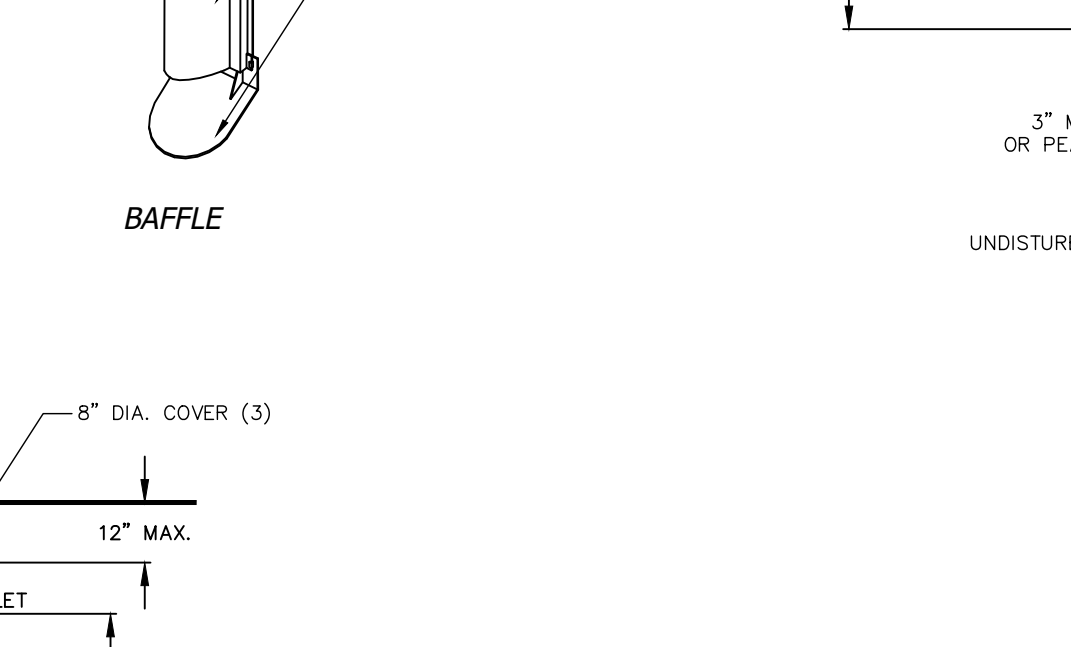
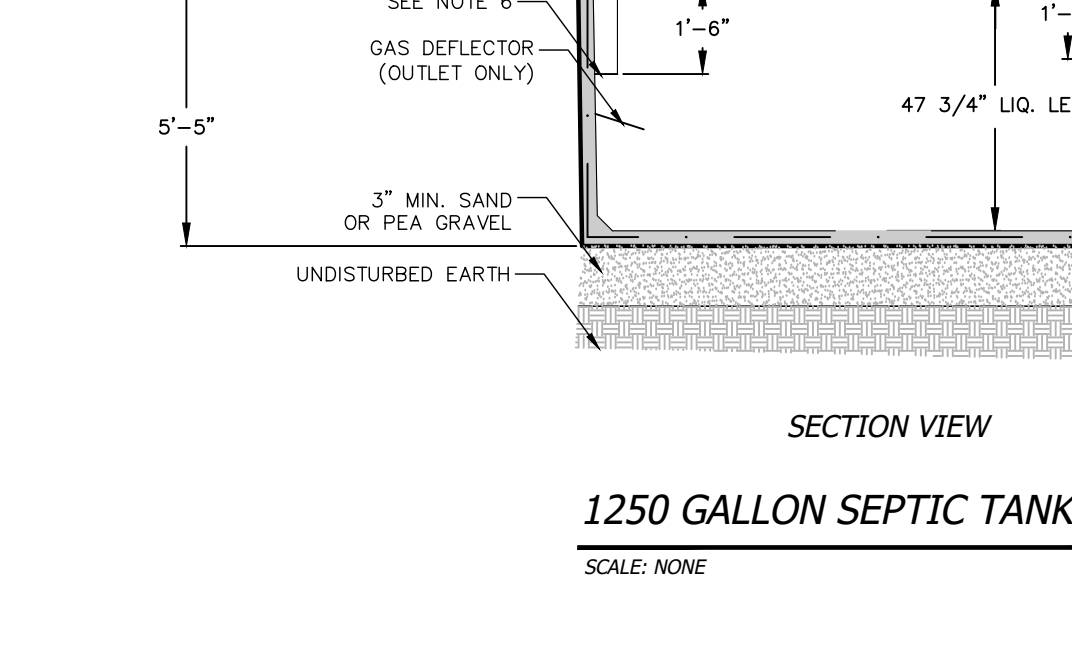
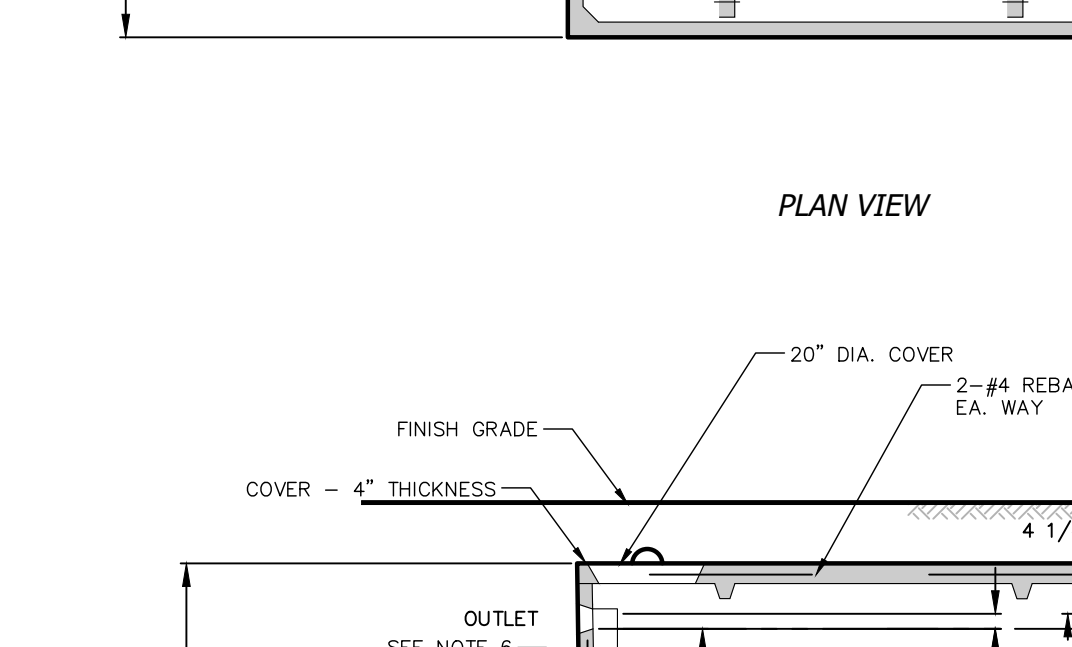
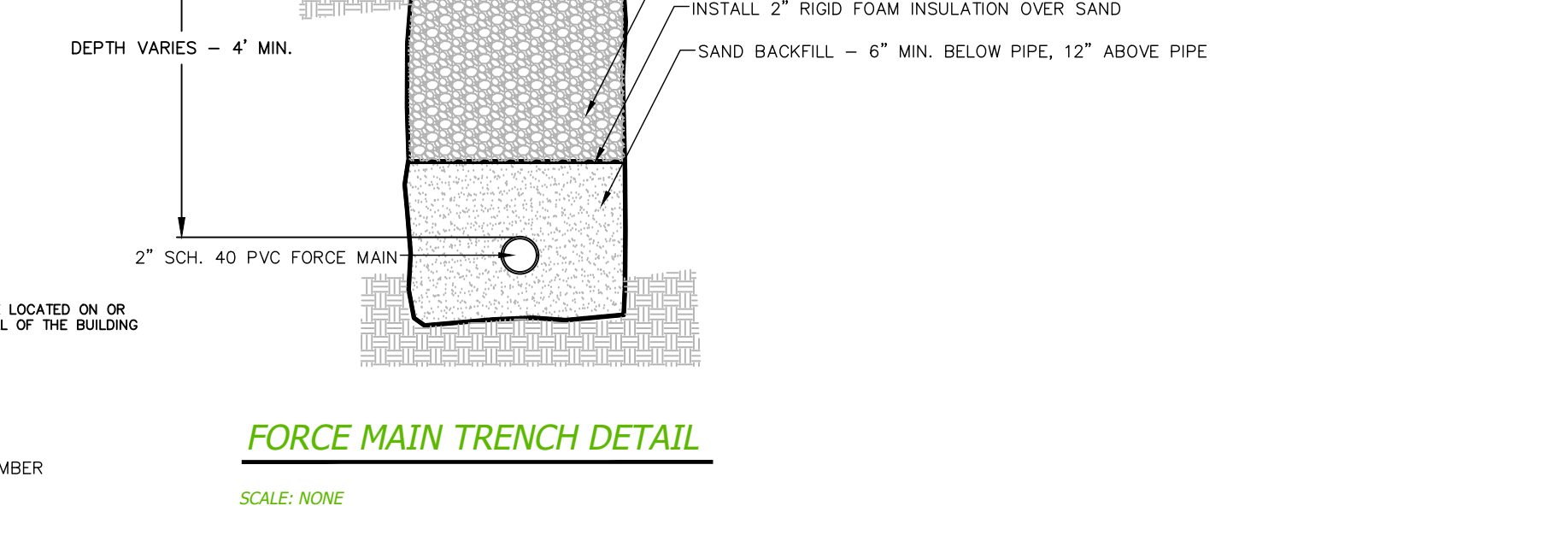
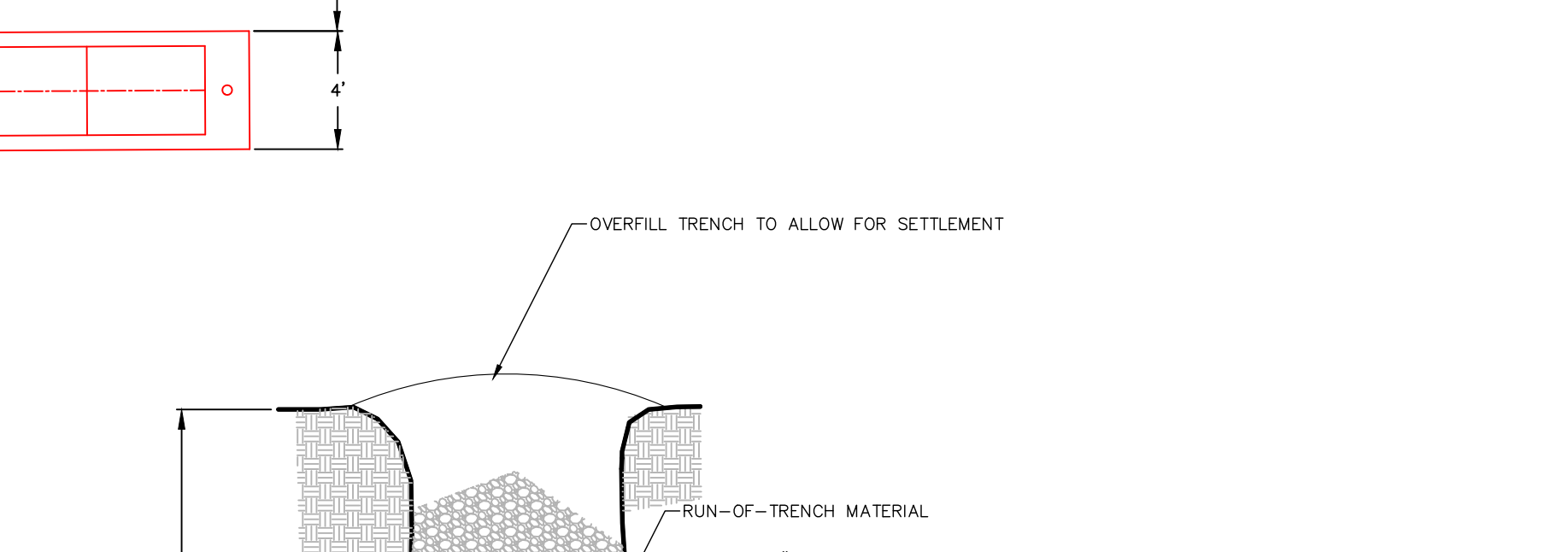
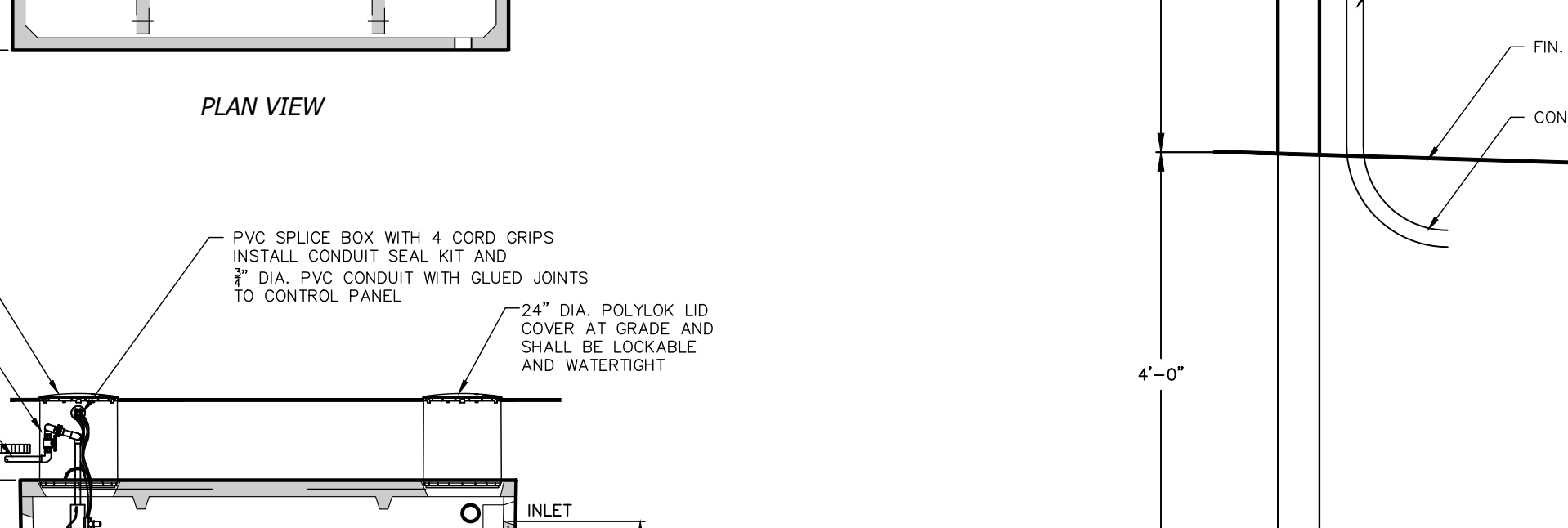
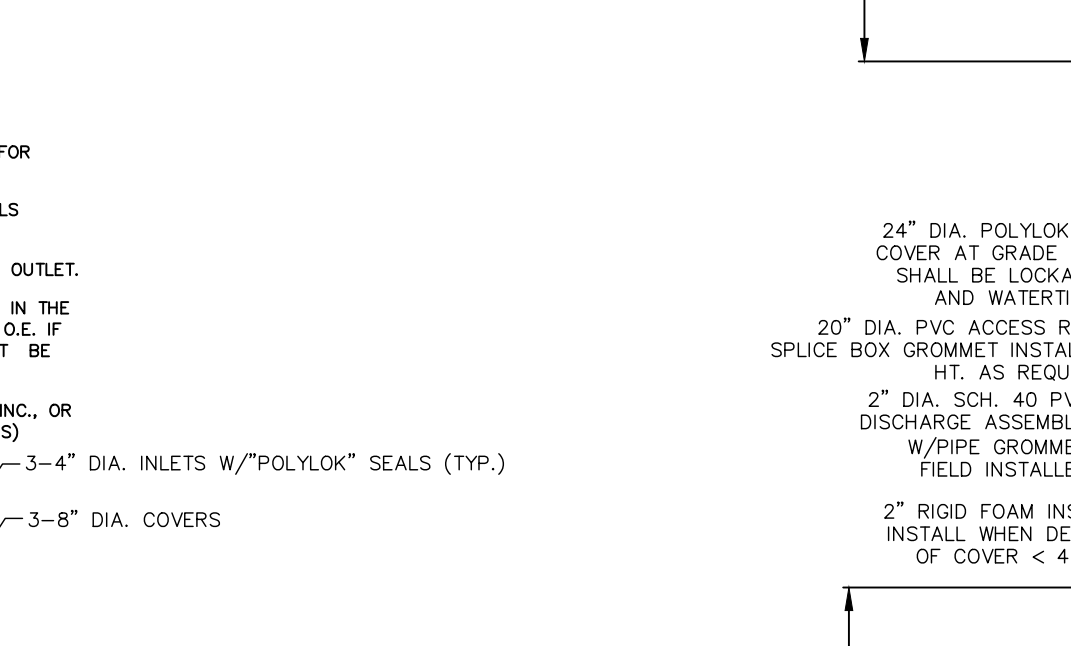
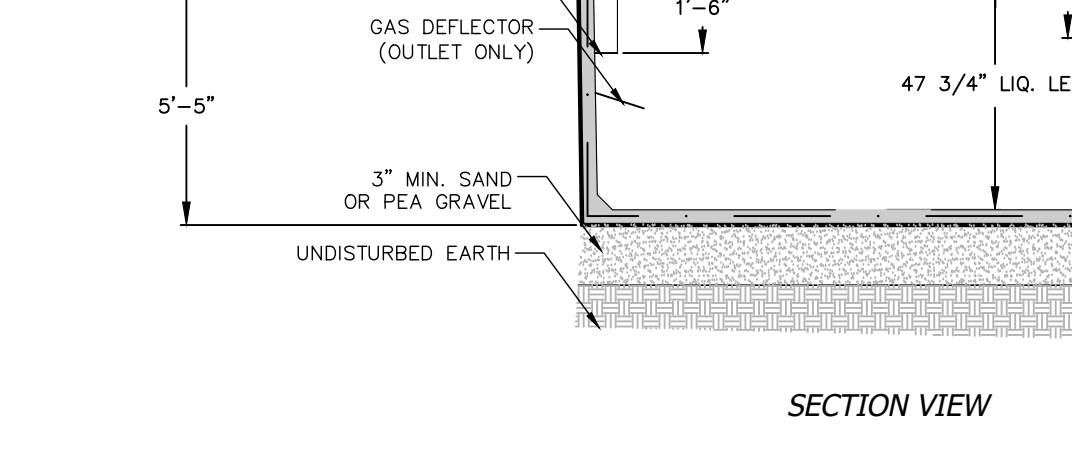
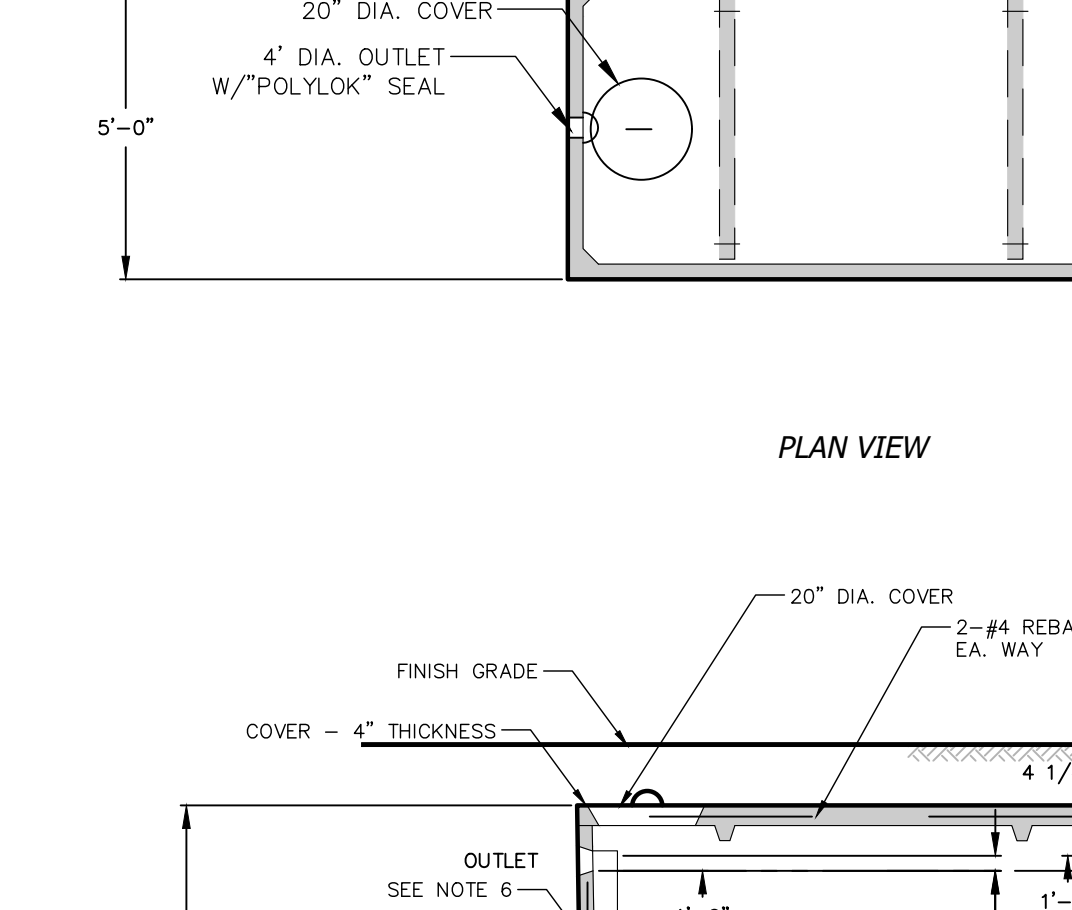
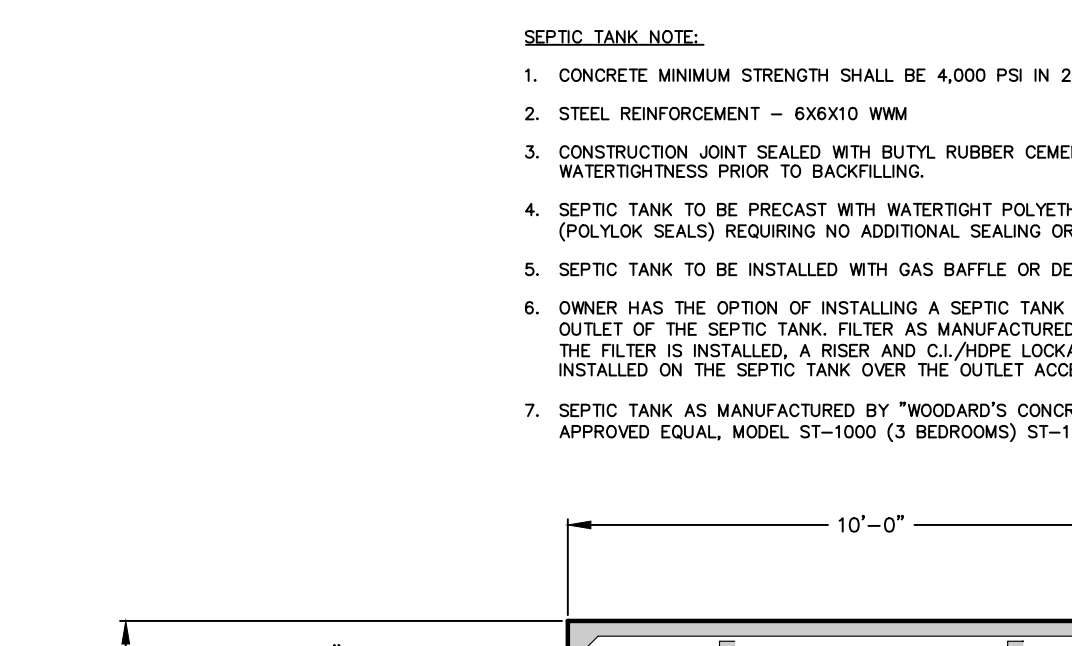
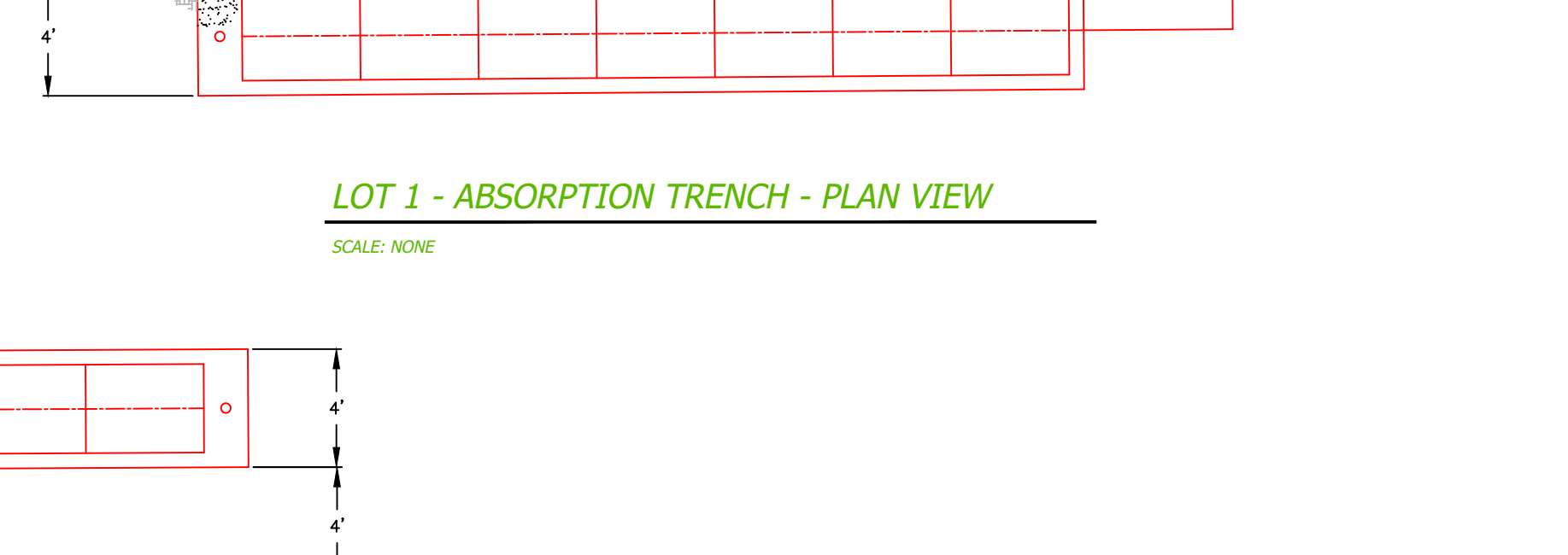
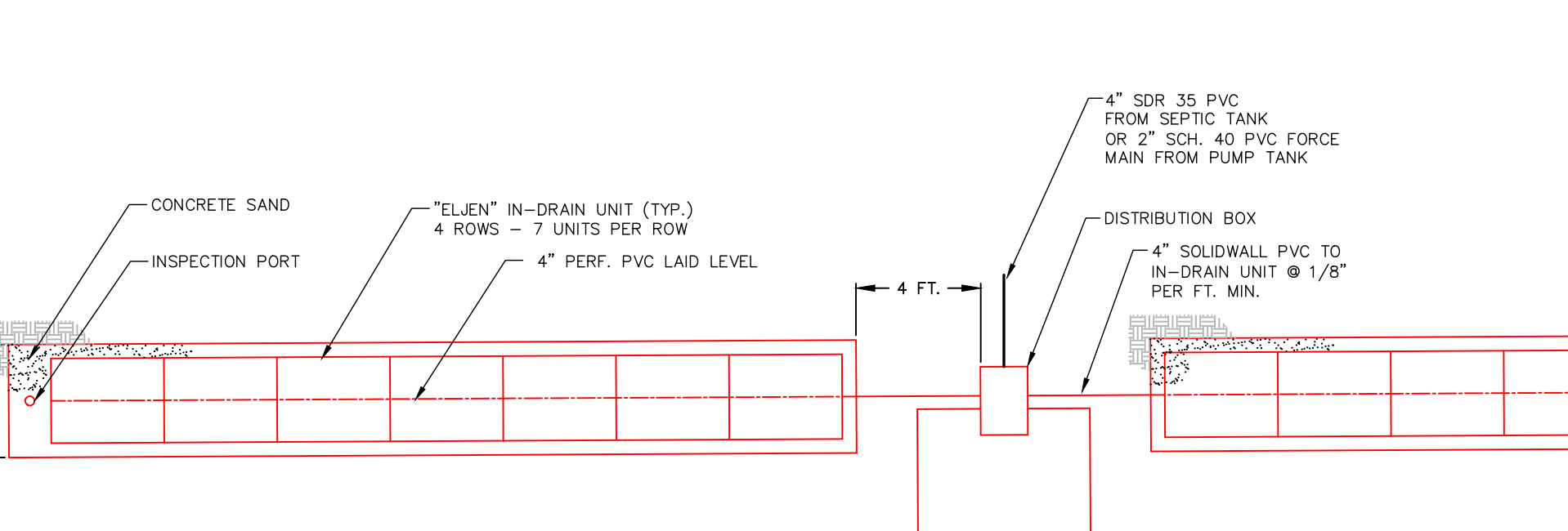
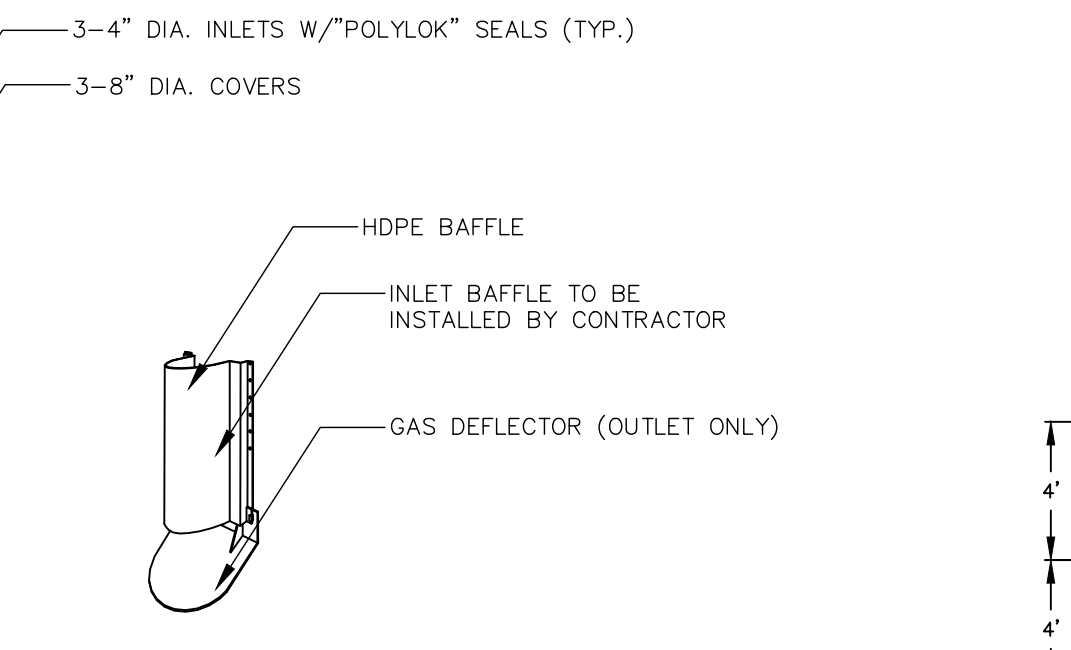
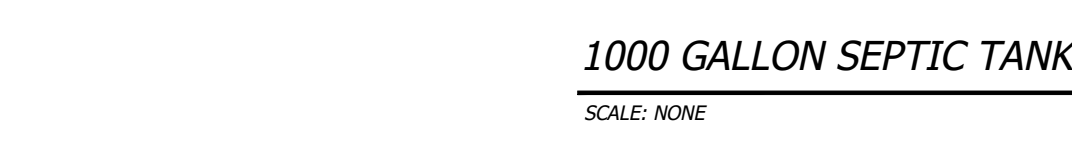
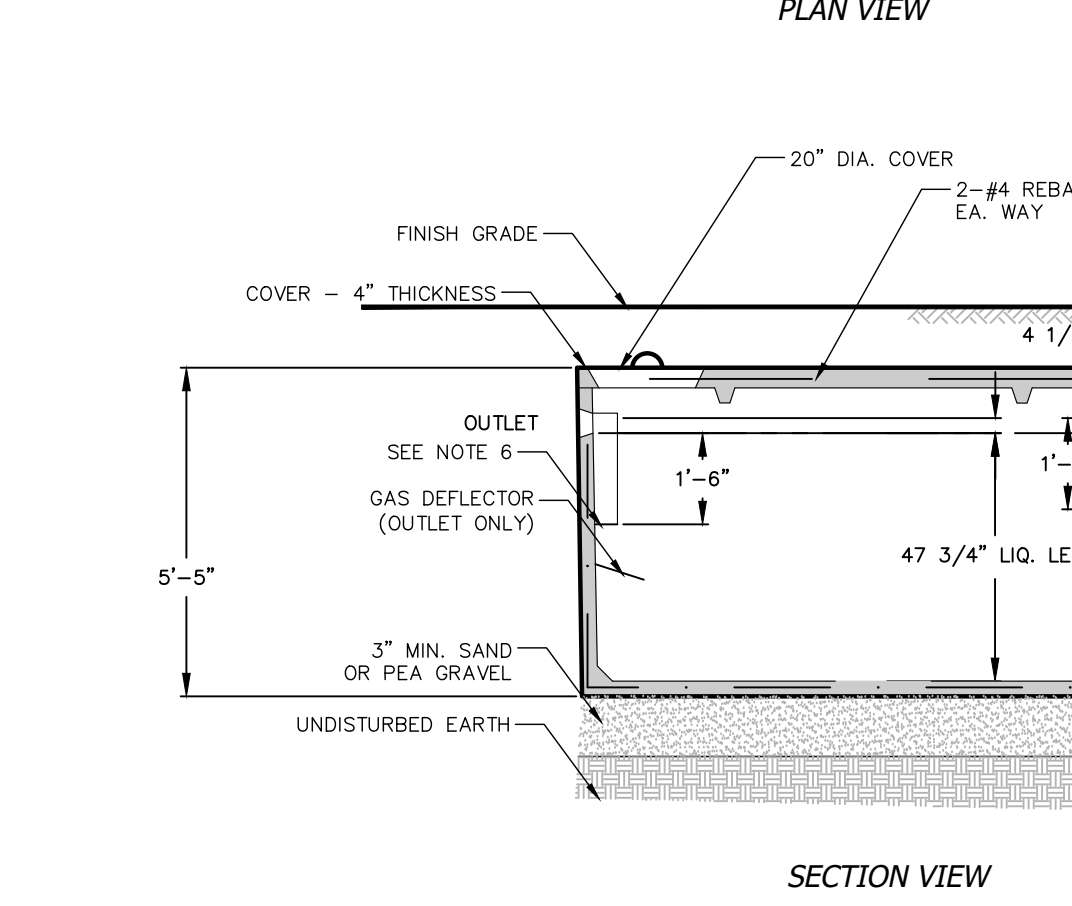
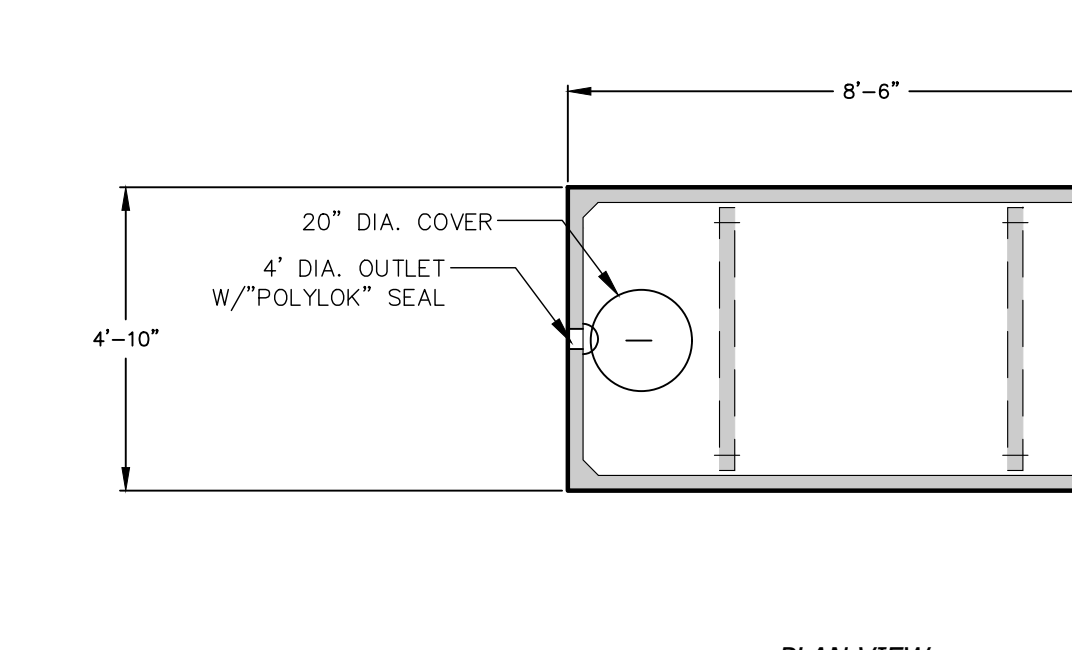
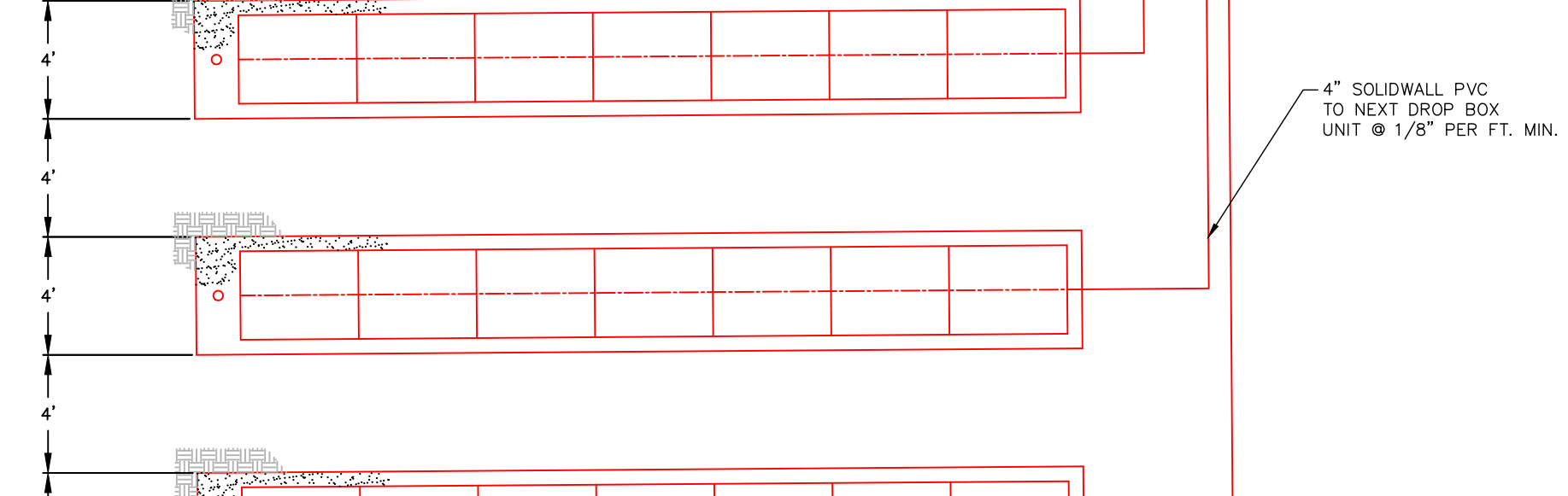
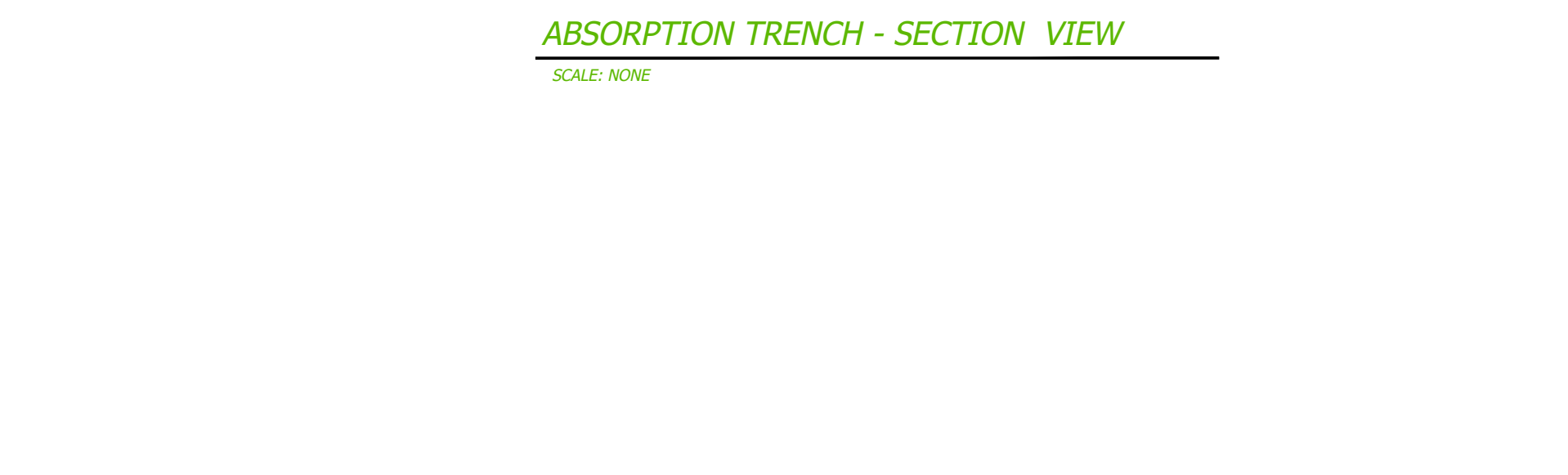
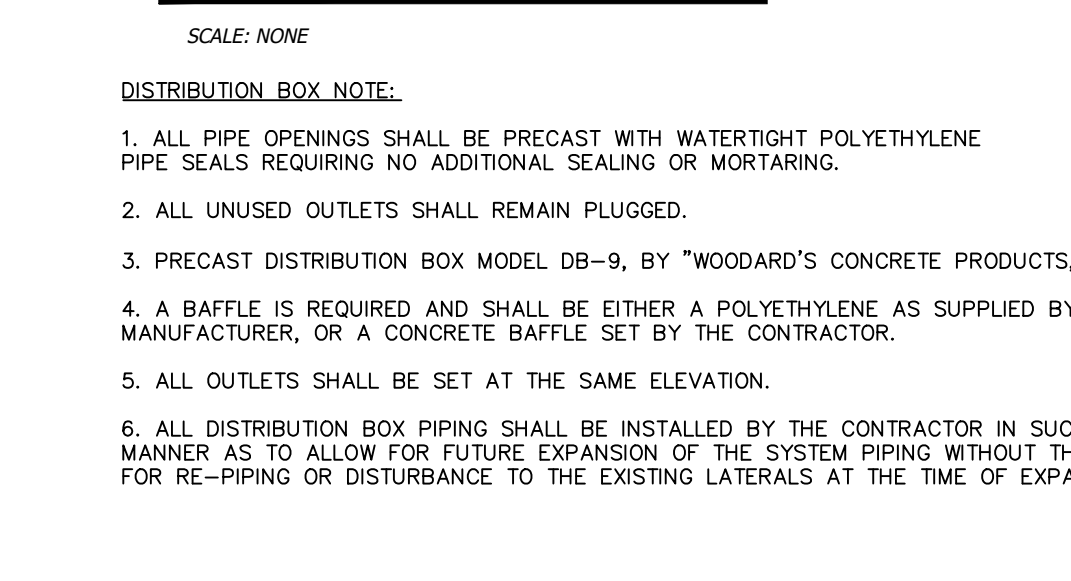
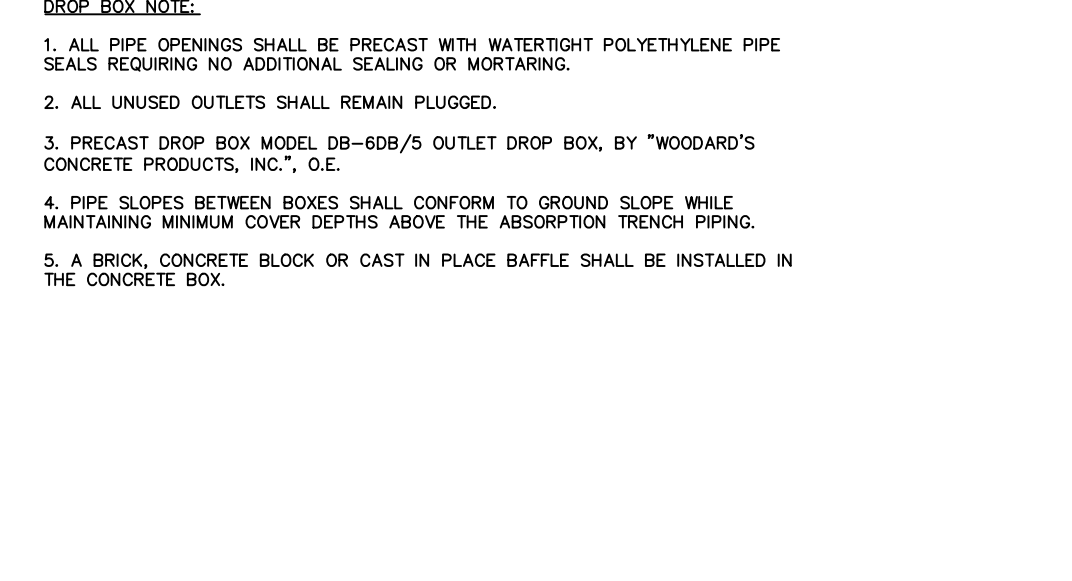
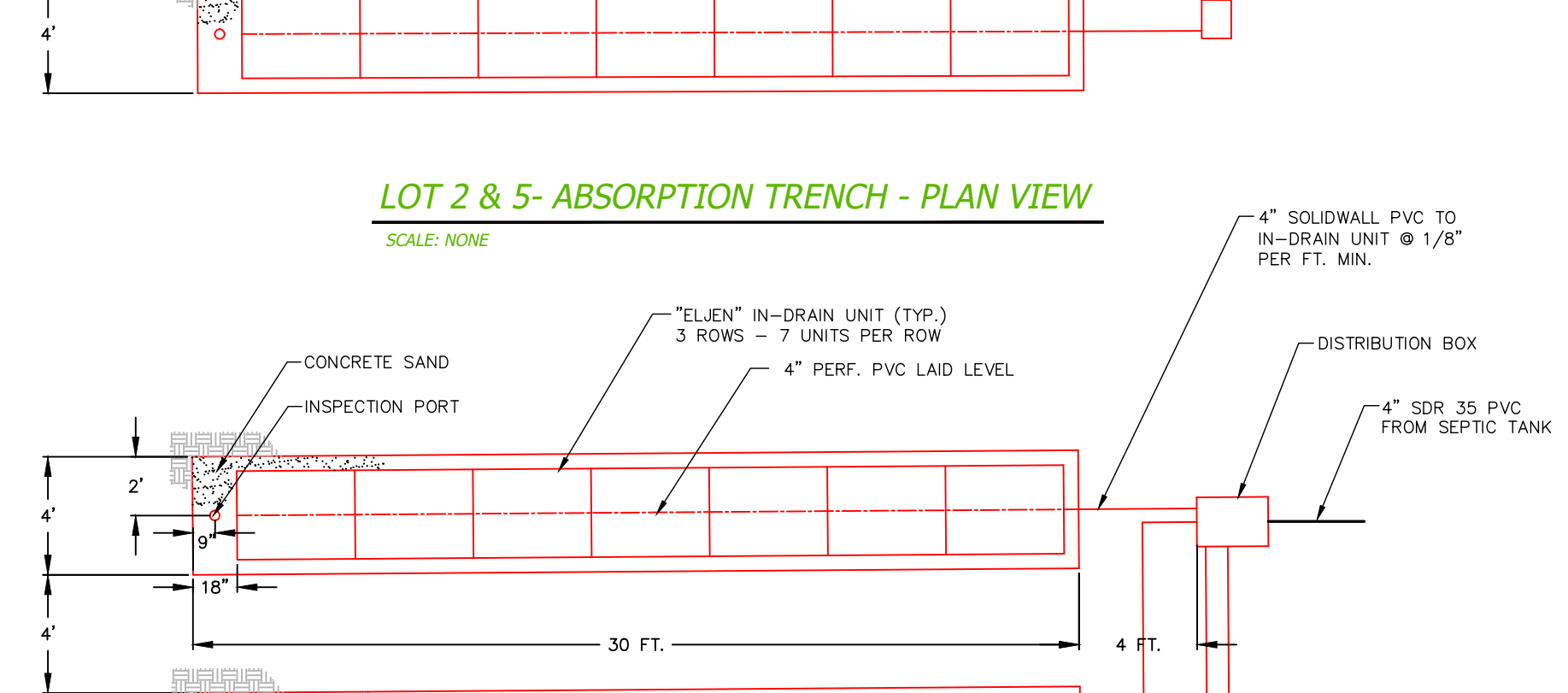
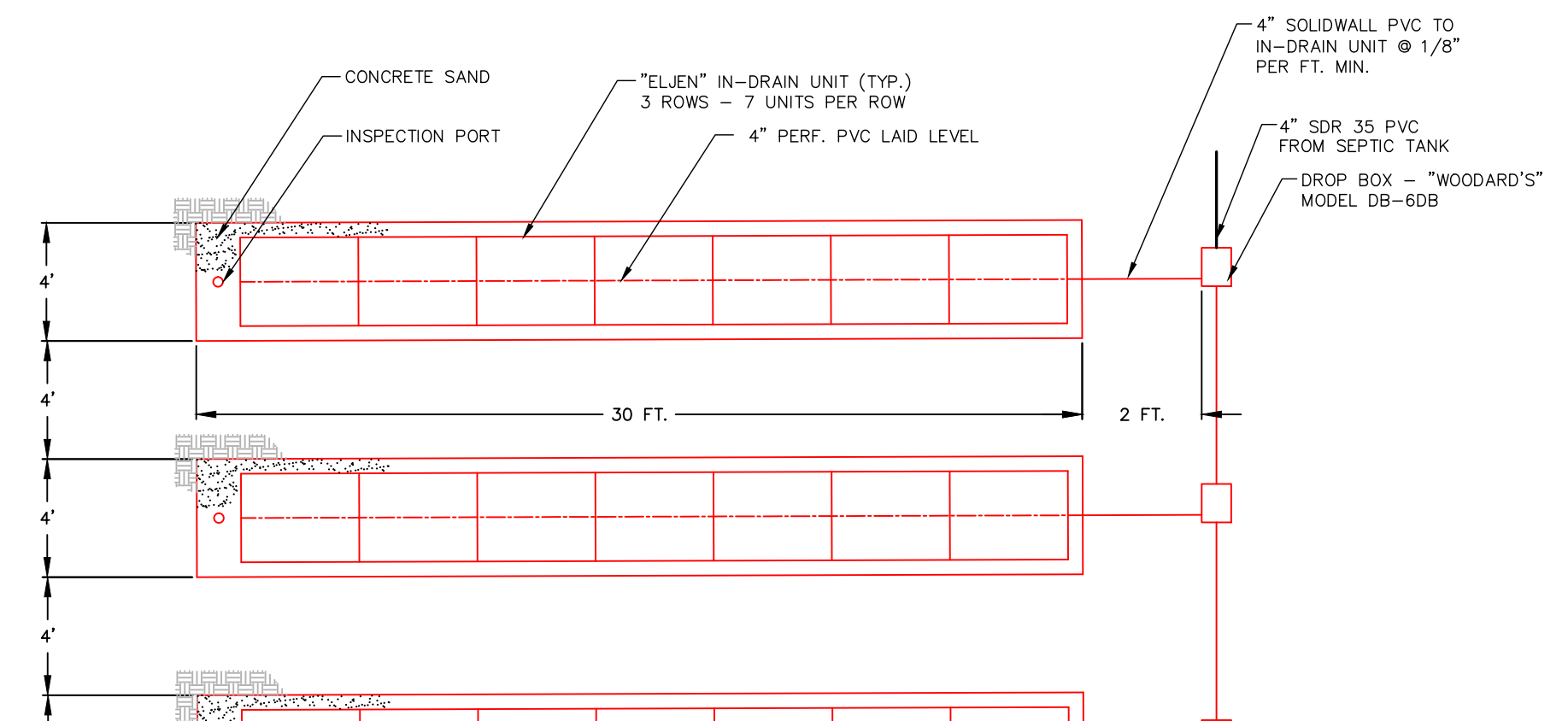
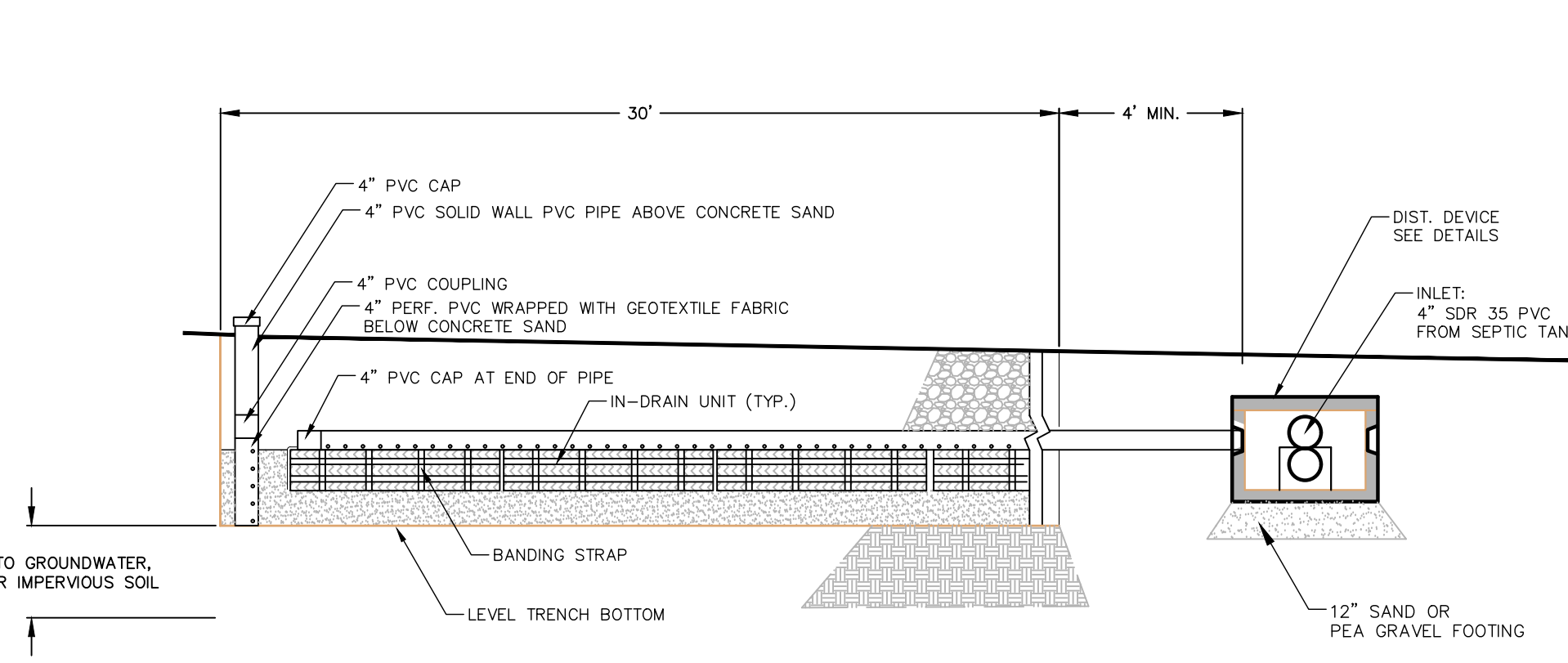
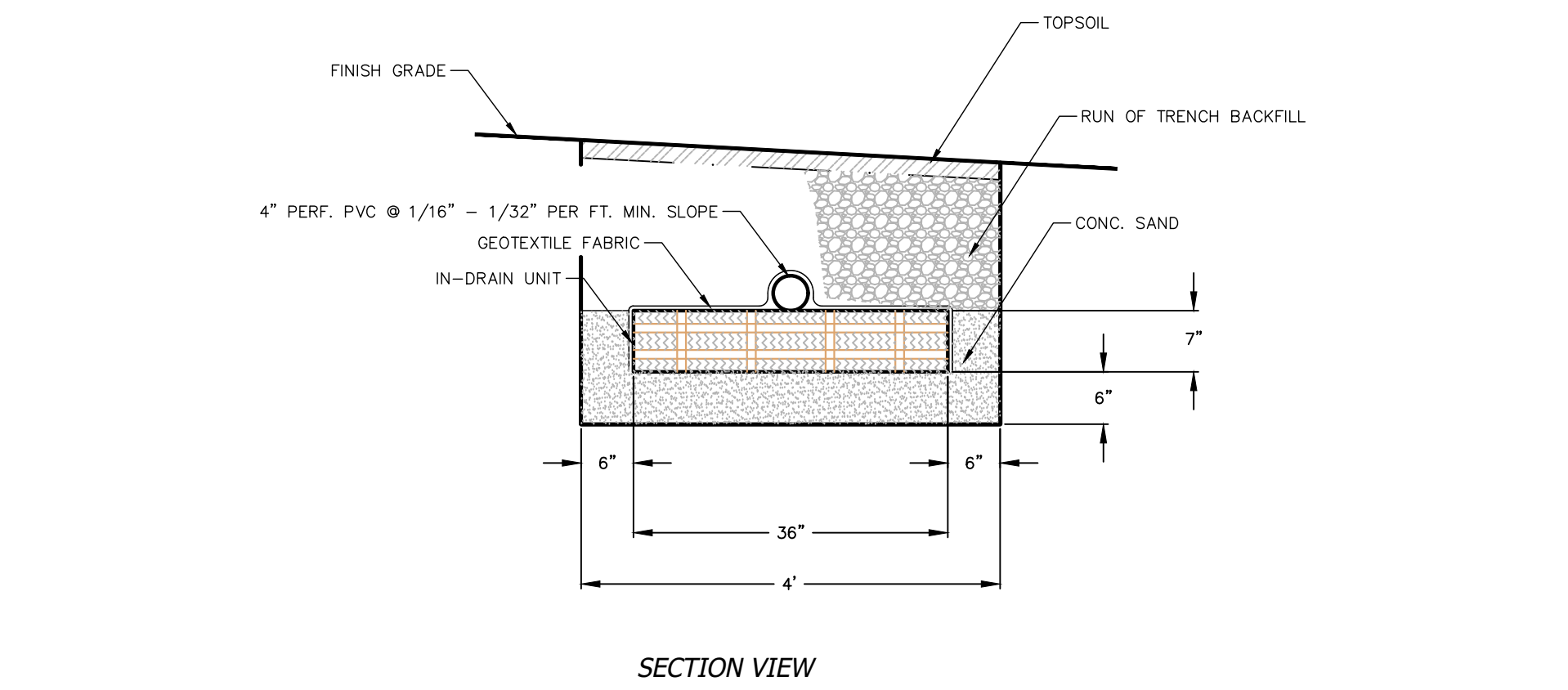
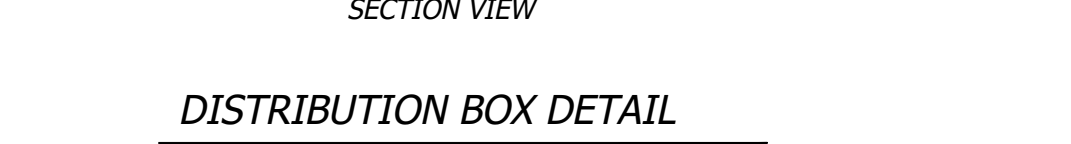
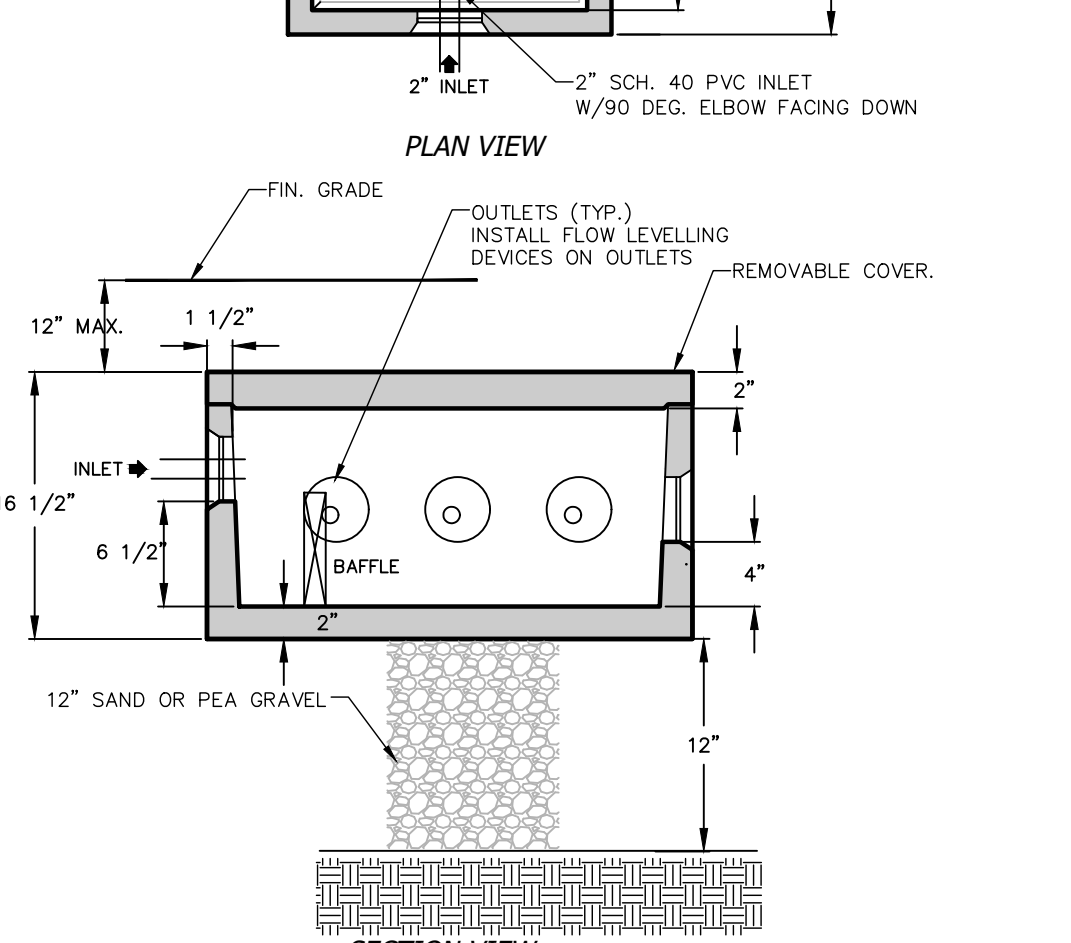
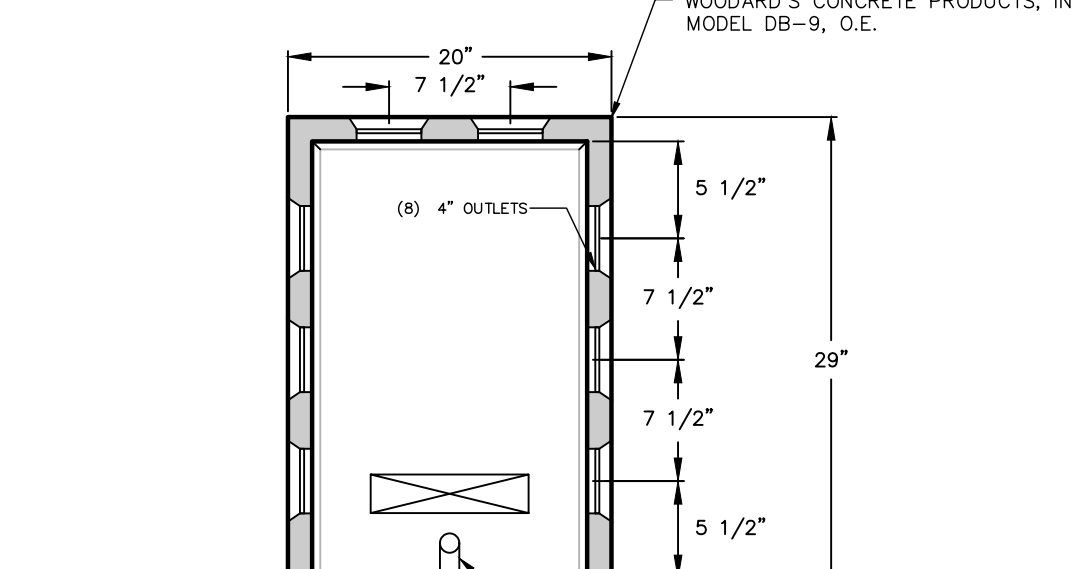
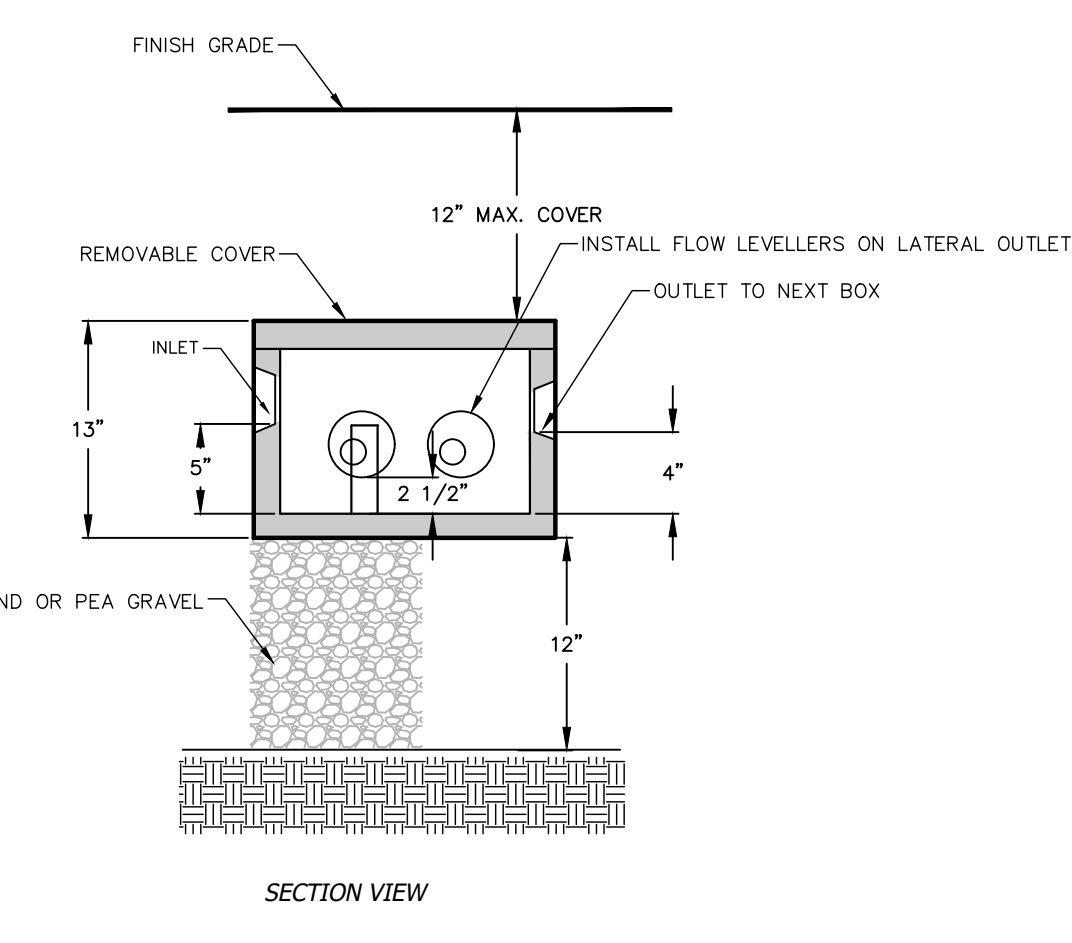
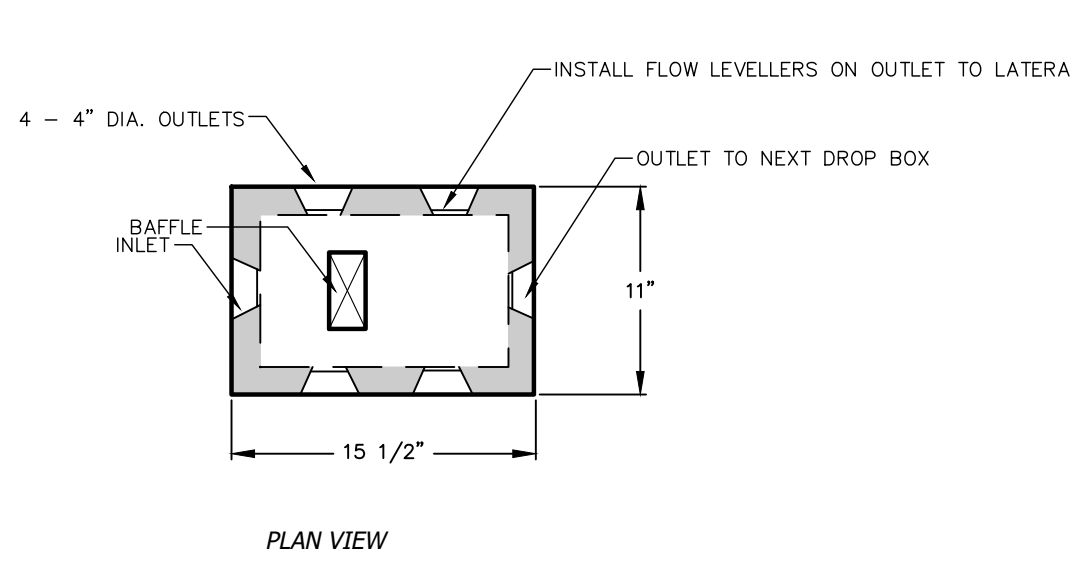
PIPING BETWEEN SEPTIC TANK AND INTERIOR PLUMBING SHALL BE SCHEDULE 80 PVC.

PIPING BETWEEN SEPTIC TANK AND DISTRIBUTION DEVICE SHALL BE SCH. 40 OR SDR 35 PVC.

NOTE: THIN-WALLED SDR 35 PVC SHALL NOT BE USED.

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

PERFORATED AND SMOOTH WALL) AS MANUFACTURED BY "HANCOR", OR APPROVED EQUAL.



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.

PLANS ARE INCOMPLETE/INVALID WITHOUT SHEETS 1-4 OF 4 ATTACHED, AND SHALL HAVE AN 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

REVISION DATE DESCRIPTION

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

PROJECT: NMC3, LLC - SUBDIVISION

TOWN OF CHESTER
ORANGE COUNTY, NEW YORK

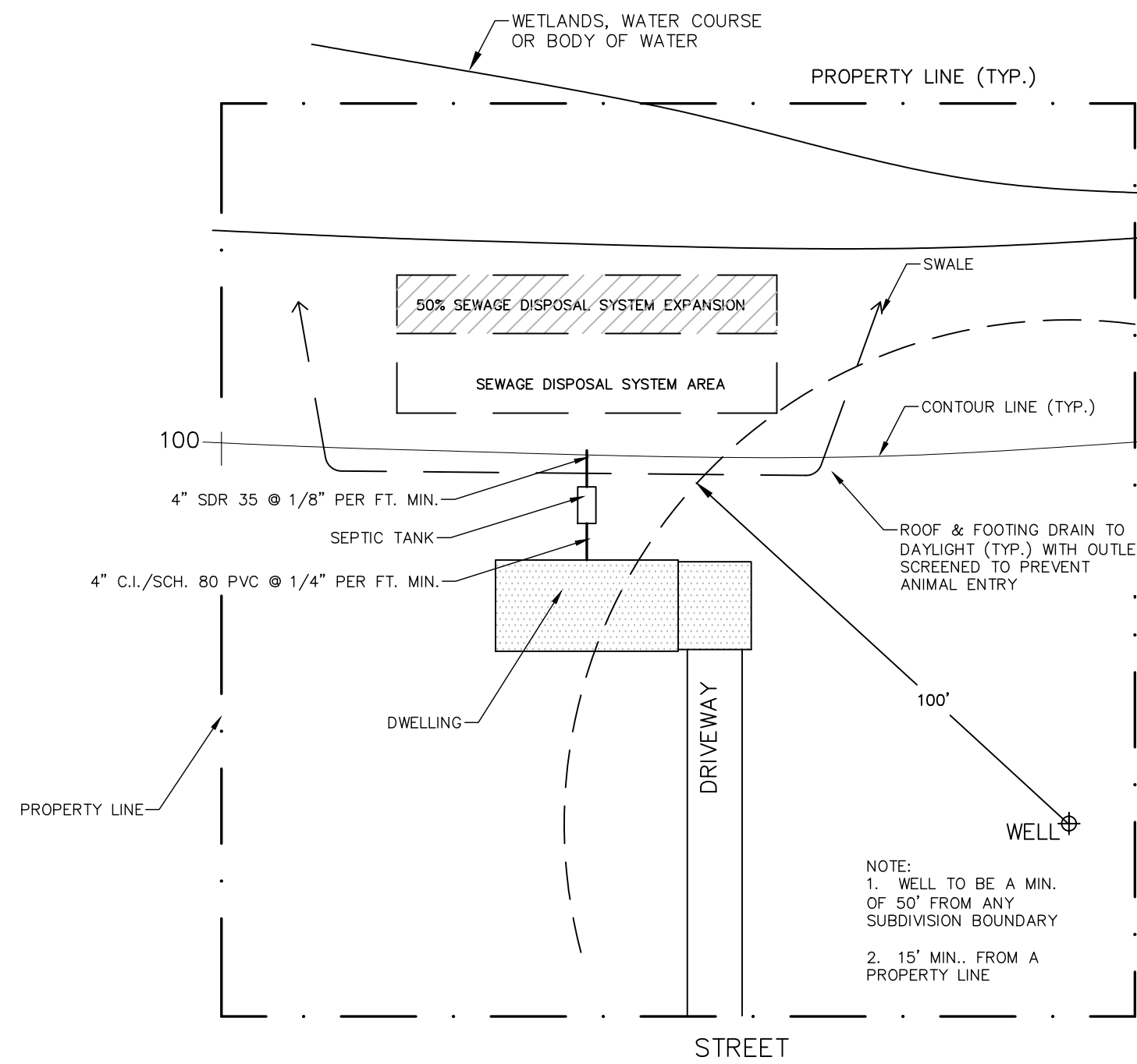
TITLE: CONSTRUCTION DETAILS

DRAWN BY: JEG
DATE: NOVEMBER 19, 2020
PROJECT NO: 20-116

CHECKED BY: JWG
SCALE: AS SHOWN
DRAWING NO: 5 of 7

SOILS PERCOLATION TESTS				
LOT & TEST NO.	RUN #	DEPTH (IN.)	TOTAL TIME (MIN./SEC.)	STABILIZED RATE (MIN./SEC.)
PT 1-1	1	24	3:20	
5/12/2020			4:00	4:20
	3		4:20	
PT 1-2	1	24	9:28	
6/5/2020	2		12:01	
	3		13:42	
	4		14:39	14:39
PT 2-1	1	24	7:10	
6/5/2020	2		8:06	
	3		8:40	8:40
PT 2-2	1	24	5:11	
6/5/2020	2		6:37	
	3		7:29	7:29
PT 3-1	1	24	0:04	
6/5/2020	2		0:18	
	3			
PT 3-2	1	24	6:00	
6/5/2020	2		7:10	
	3		7:50	7:50
PT 4-1	1	24	2:08	
6/5/2020	2		2:29	
	3		2:40	2:40
PT 4-2	1	24	2:03	
6/5/2020	2		2:40	
	3		2:55	2:55
PT 5-1	1	24	1:02	
6/6/2020	2		1:40	
	3		2:09	2:09
PT 5-2	1	24	1:06	
6/6/2020	2		1:33	
	3		1:51	1:51
PT 7-1	1	24	1:30	
6/6/2020	2		1:36	
	3		1:47	1:47
PT 7-2	1	24	6:37	
6/6/2020	2		7:46	
	3		8:15	8:15

NOTE:
SOILS TESTS CONDUCTED BY A REPRESENTATIVE OF
JOSEPH GOTTlieb PE PC ON THE DATE NOTED



TYPICAL LOT LAYOUT - SDS SEPARATION REQUIREMENTS
SCALE: NONE

MINIMUM REQUIRED SEPARATION DISTANCES					
SYSTEM COMPONENT	WELL	WATER BODY WETLAND	DWELLING	PROPERTY LINE	OPEN DRAINAGE (DITCH, 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:

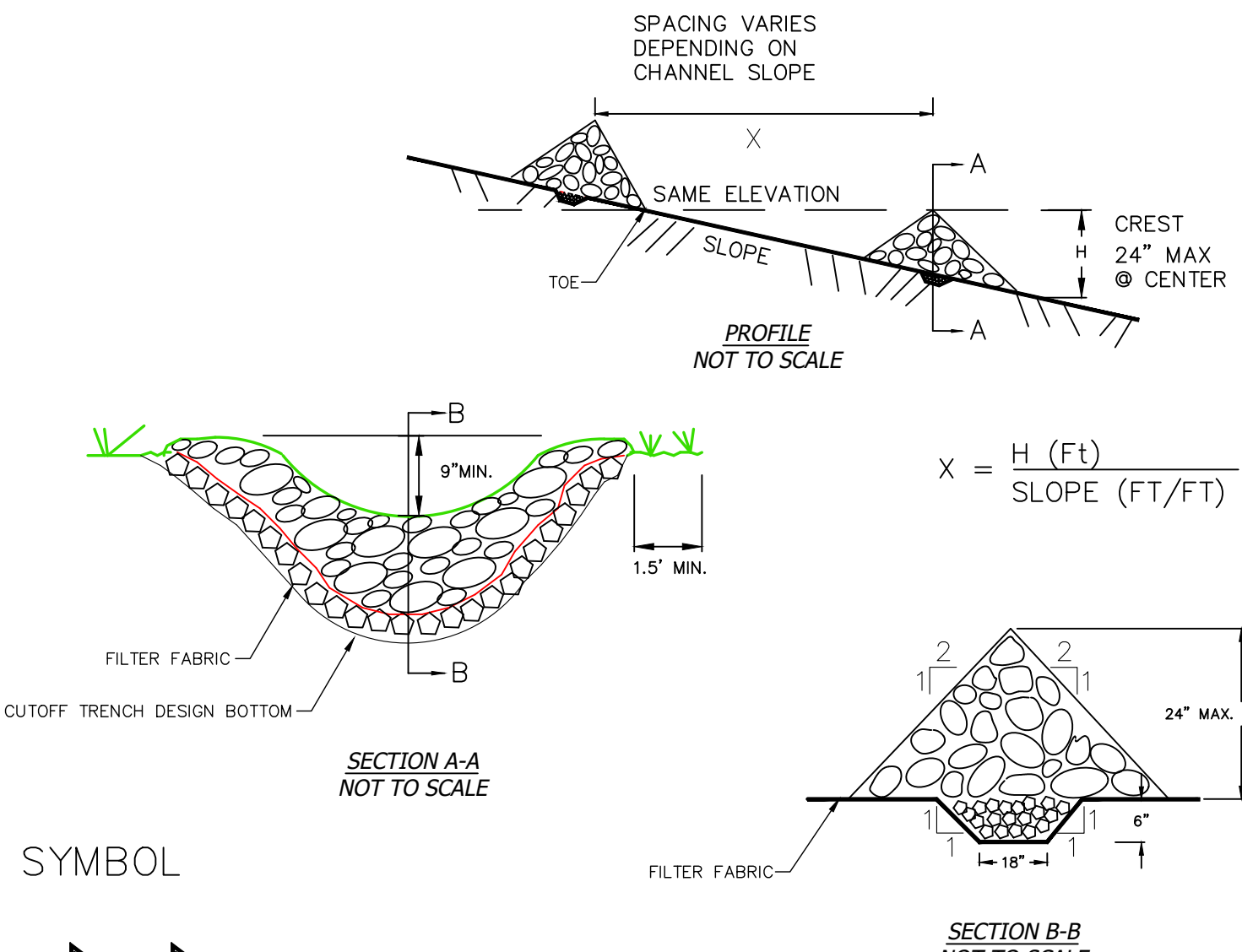
- WHEN SEWAGE TREATMENT SYSTEMS ARE LOCATED IN COARSE GRAVEL OR UPGRADE AND IN THE SAME DIRECT GENERAL PATH OF DRAINAGE TO A WELL, THE CLOSEST PART OF THE TREATMENT SYSTEM SHALL BE AT LEAST 500 FEET AWAY FROM THE WELL.
- SEPARATION DISTANCES FROM WATER BODIES SHALL BE MEASURED TO THE MEAN HIGH WATER MARK.
- FOR ALL SYSTEMS INVOLVING THE PLACEMENT OF FILL, SEPARATION DISTANCES ARE MEASURED FROM THE TOE OF SLOPE OF THE FILL.
- 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.
- 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 "CLUMBER - RECOMMENDED" STANDARDS FOR WATER WORKS", SHALL BE FOLLOWED FOR SEPARATION OF WATER MAINS, SANITARY SEWERS, AND SEWERS.
- SEPARATION FROM A WELL TO SWALE, STREAM OR WATER COURSE - 25 FT.
- SEPARATION FROM AN ABSORPTION FIELD TO OPEN DRAINAGE, CULVERT, CATCH BASIN - 50 FT.
- SEPARATION FROM ABSORPTION FIELD TO CURTAIN DRAIN - 15 FT.
- SEPARATION FROM ABSORPTION FIELD TO TOP OF EMBANKMENT OR STEEP SLOPE - 25 FT.

SOILS TESTS - DEEP TESTS												
	TEST PIT 1-1	TEST PIT 1-2	TEST PIT 2-1	TEST PIT 2-2	TEST PIT 3-1	TEST PIT 3-2	TEST PIT 4-1	TEST PIT 4-2	TEST PIT 5-1	TEST PIT 5-2	TEST PIT 7-1	TEST PIT 7-2
2020	5/15/2020	5/15/2020	5/15/2020	5/15/2020	5/15/2020	5/15/2020	5/15/2020	5/15/2020	5/15/2020	5/15/2020	5/15/2020	5/15/2020
4" LOAM	6" TOPSOIL 8" - 90" SANDY 6" - 30" SANDY 8" - 60" SANDY 3" - 76" B.O.S GRASS	6" TOPSOIL 8" - 90" SANDY 6" - 30" SANDY 8" - 60" SANDY 3" - 76" B.O.S GRASS	6" TOPSOIL 8" - 90" SANDY 6" - 30" SANDY 8" - 60" SANDY 3" - 76" B.O.S GRASS	6" TOPSOIL 8" - 90" SANDY 6" - 30" SANDY 8" - 60" SANDY 3" - 76" B.O.S GRASS	8" TOPSOIL 10" - 24" YELLOW CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY LOAM CLAY 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LOAM CLAY LOAM CLAY LOAM CL							

NOTE:

1. TEST PITS LISTED AS "A" WERE CONDUCTED BY A REPRESENTATIVE OF JOSEPH GOTTLIB PE PC ON THE DATE NOTED.

SEWAGE DISPOSAL SYSTEM DESIGN TABLE						
LOT NO.	STABILIZED PERCOLATION RATE (MIN./IN.)	ABSORPTION SYSTEM REQUIREMENTS FOUR BEDROOM	SEPTIC TANK FOUR BEDROOMS	PUMP TANK FOUR BEDROOMS	ABSORPTION SYSTEM REQUIREMENTS THREE BEDROOM	SEPTIC TANK THREE BEDROOM
1	16-20 MIN./IN.	28 ELIEN IN-DRAIN UNITS 4 LATERALS W/7 UNITS PER LATERAL	1250 GALLON		21 ELIEN IN-DRAIN UNITS 5 LATERALS W/7 UNITS PER LATERAL	1000 GALLON
2	8-10 MIN./IN.	21 ELIEN IN-DRAIN UNITS 3 LATERALS W/6 UNITS PER LATERAL	1250 GALLON		18 ELIEN IN-DRAIN UNITS 3 LATERALS W/6 UNITS PER LATERAL	1000 GALLON
3	8-10 MIN./IN.	28 ELIEN IN-DRAIN UNITS 4 LATERALS W/7 UNITS PER LATERAL	1250 GALLON		18 ELIEN IN-DRAIN UNITS 3 LATERALS W/6 UNITS PER LATERAL	1000 GALLON
4	6-7 MIN./IN.	28 ELIEN IN-DRAIN UNITS 4 LATERALS W/7 UNITS PER LATERAL	1250 GALLON	1000 GALLON	14 ELIEN IN-DRAIN UNITS 2 LATERALS W/7 UNITS PER LATERAL	1000 GALLON
5	6-7 MIN./IN.	21 ELIEN IN-DRAIN UNITS 3 LATERALS W/7 UNITS PER LATERAL	1250 GALLON		14 ELIEN IN-DRAIN UNITS 2 LATERALS W/7 UNITS PER LATERAL	1000 GALLON
7	8-10 MIN./IN.	28 ELIEN IN-DRAIN UNITS 4 LATERALS W/7 UNITS PER LATERAL	1250 GALLON	1000 GALLON	14 ELIEN IN-DRAIN UNITS 2 LATERALS W/7 UNITS PER LATERAL	1000 GALLON

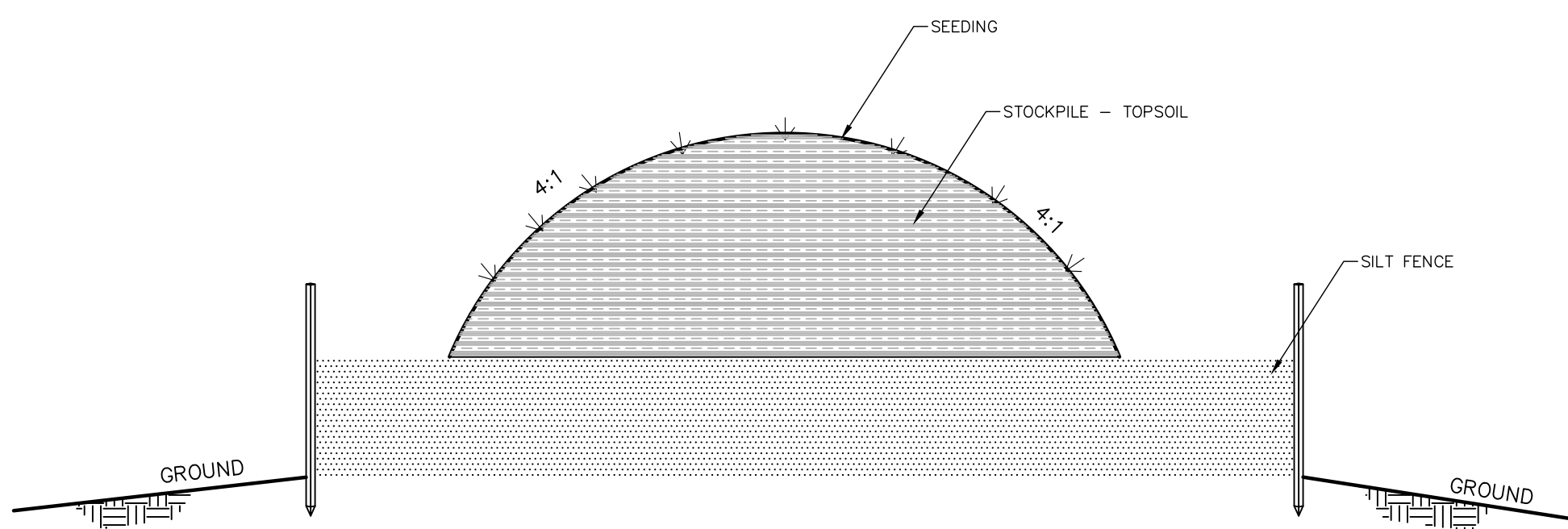


ROCK CHECK DAM DETAIL
SCALE: NONE

NOTE:

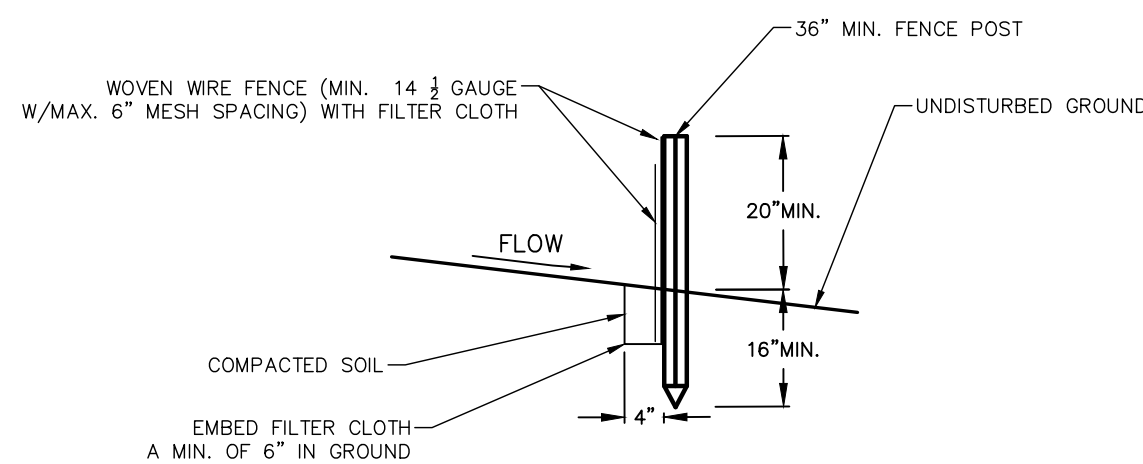
- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON THE PLANS.
- SET SPACING OF CHECK DAM TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
- EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.

MAXIMUM DRAINAGE AREA = 2 ACRES

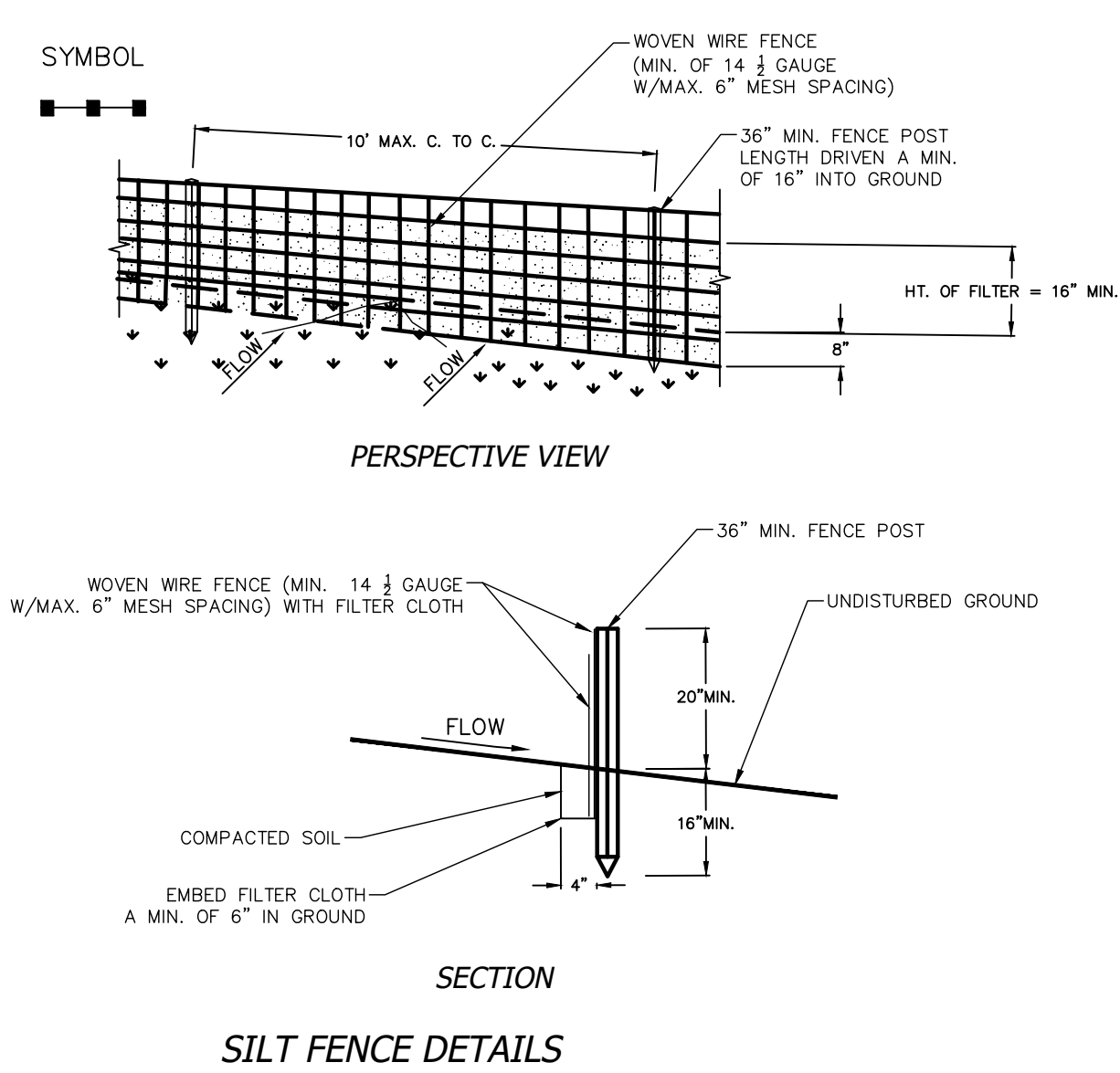


TOPSOIL STOCKPILE DETAIL
SCALE: NONE

- NOTES:
- SILT FENCE TO BE PLACED ON THE CONTOUR
 - USE ADDITIONAL PRACTICES AS REQUIRED BY ENGINEER AS NEEDED TO MITIGATE WATER QUALITY IMPACTS.
 - SEE SHEET 14 FOR VEGETATIVE REQUIREMENTS.



TOPSOIL STOCKPILE SILT FENCE - SECTION
SCALE: NONE



SILT FENCE DETAILS
SCALE: NONE

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POST WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION. FENCE SHALL BE WOVEN WIRE, 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, WEAR 100X, STABILIZATION, OR APPROVED EQUIVALENT.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
- PRE-FABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

POSTS: STEEL - EITHER T OR U TYPE, OR 2" HARDWOOD
FENCE: WOVEN WIRE, 1/2 GA., 6" MAX. MESH OPENING
FILTER CLOTH: FILTER X, WEAR 100X, STABILIZATION, OR APPROVED EQUAL
PRE-FABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

LANDGRADING SPECIFICATIONS

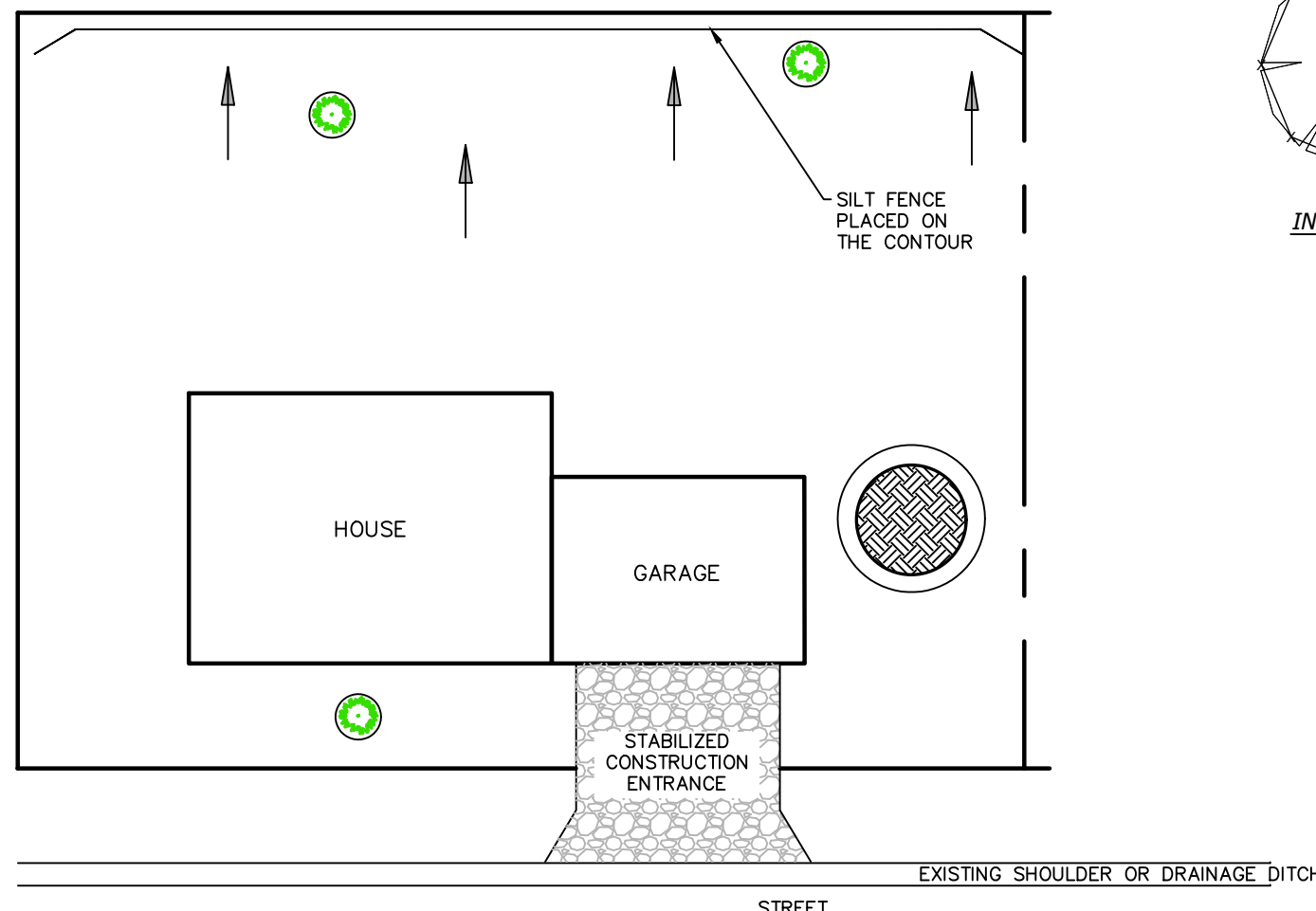
- ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION UNTIL THEY ARE PERMANENTLY STABILIZED.
- ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS".
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN THE AMOUNT NECESSARY TO COMPLETE THE FINISHED GRADING OF ALL EXPOSED AREAS.
- AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL, TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIALS.
- AREAS WHICH ARE TO TOPSOILED SHALL BE STRIPPED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
- ALL FILLS SHALL BE PLACED AND COMPACTED AS REQUIRED TO REDUCE EROSION, SEEPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILLS INTENDED TO SUPPORT BUILDINGS, STRUCTURES, AND CONSTRUCTION TRAFFIC SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- ALL FILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOIL OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL GRAZED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY AFTER FINISHED GRADING.

SEQUENCE OF MAJOR ACTIVITIES:

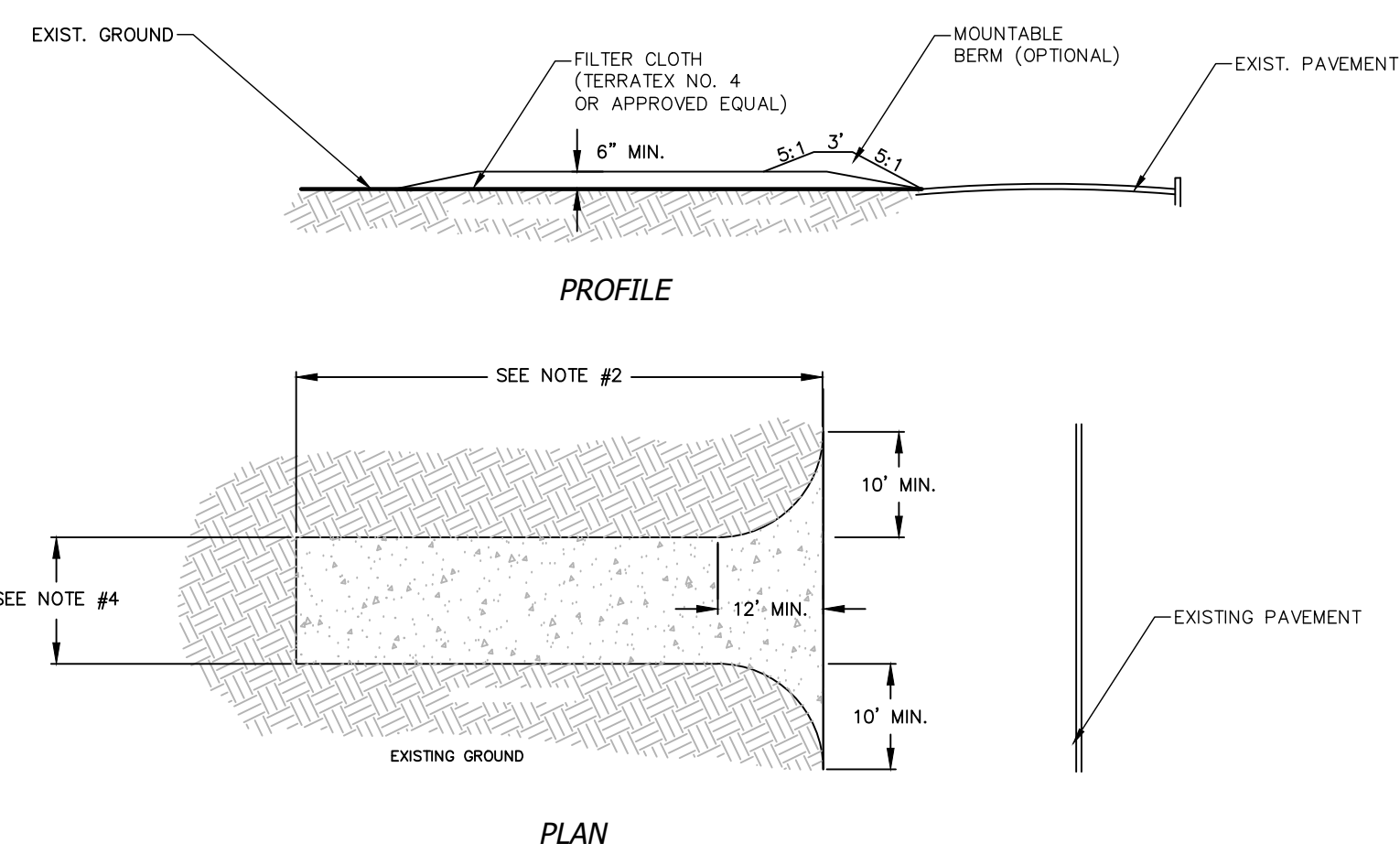
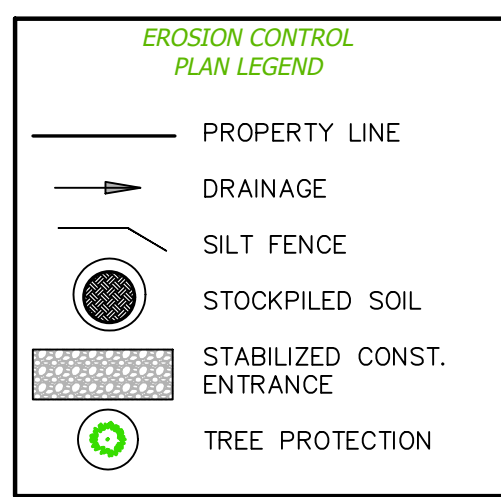
- INSTALL THE STABILIZED CONSTRUCTION ENTRANCES.
- PERFORM LIMITED CLEARING AND GRUBBING ACTIVITIES.
- PRIOR TO GRADING PHASE, EROSION AND SEDIMENT CONTROL MEASURES INCLUDING TEMPORARY SILT FENCES, DRAINAGE DIVERSION SWALES (IF REQUIRED), SEDIMENT TRAPS (IF REQUIRED) WILL BE INSTALLED.
- FOLLOWING THE GRADING ACTIVITIES, SITE WORK WILL COMMENCE WHICH WILL BE PRECEDED BY A REVEGETATION, REPLACEMENT AND EXPANSION OF EROSION AND SEDIMENT CONTROL MEASURES AS PER THE EROSION CONTROL PLAN FOR THIS PROJECT.
- CONSTRUCTION OF ALL ROADS AND UTILITIES SHALL PROCEED FROM DOWNSTREAM TO UPSTREAM.
- AS CONSTRUCTION PROCEEDS, ALL DISTURBED AREAS SHALL BE PAVED, SEEDED, SOODED, OR PLANTED TO PREVENT UNNECESSARY EROSION.
- ONCE ALL DISTURBED AREAS HAVE BEEN PROPERLY STABILIZED, ANY TEMPORARY CONTROL MEASURES SHALL BE REMOVED.
- CONSTRUCTION OPERATION SHALL BE SCHEDULED TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ONE TIME.

EROSION AND SEDIMENTATION CONTROL NOTES:

- MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL FACILITIES IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. FACILITIES SHALL BE INSPECTED AFTER EACH RAINFALL EVENT, BUT NOT LESS THAN ONCE A WEEK, AND IMMEDIATELY RESTORED WHERE NECESSARY, AND AS FOLLOWS:
- SILT FENCE SHALL BE CLEANED AND/OR REPLACED, IF NECESSARY.
- UPON COMPLETION OR TEMPORARY CESSATION OF THE EARTH DISTURBANCE ACTIVITY, OR ANY STAGE THEREOF, THE PROJECT SITE SHALL BE IMMEDIATELY STABILIZED. DURING PERIODS OF NON-GERMINATION, MULCH WILL BE APPLIED.
- THE CONTRACTOR IS RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL MEASURES AT ANY OFF-SITE SPILL AREAS.
- THE CONTRACTOR SHALL REMOVE FROM THE SITE, RECYCLE OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH N.Y.S. SOLID WASTE MANAGEMENT REGULATIONS.
- CONTRACTOR IS RESPONSIBLE FOR ALL DUST CONTROL DURING CONSTRUCTION.
- TEMPORARY SEEDING WILL BE PLACED ON ALL DISTURBED AREAS REMAINING VACANT FOR MORE THAN 14 DAYS.
- EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND WITHIN 24 HOURS FOLLOWING A FROM EVENT OF 0.5 IN. OR MORE OF RAINFALL.



RESIDENTIAL SITE EROSION CONTROL PLAN
SCALE: NONE



STABILIZED CONSTRUCTION ENTRANCE DETAIL
SCALE: NONE

CONSTRUCTION SPECIFICATIONS:

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FT. MIN. LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE, AND WHICH GRABS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
- STABILIZED CONSTRUCTION ENTRANCES REQUIRED AT ALL DRIVEWAY ENTRANCES.

EROSION CONTROL VEGETATIVE REQUIREMENTS

PERMANENT SEEDING

1. SITE PREPARATION:
A. INSTALL NEEDED WATER AND EROSION CONTROL MEASURES AND BRING AREA TO BE SEEDED TO DESIRED GRADES USING A MINIMUM 1/4" OF TOPSOIL.
B. PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4 - 6 INCHES.
C. LINE TO A PH OF 6.5.
D. FERTILIZE AS PER SOIL TEST OR, IF FERTILIZER MUST BE APPLIED BEFORE SOILS TESTS RESULTS ARE RECEIVED, APPLY 850 POUNDS OF 5-10-10 OR EQUIVALENT PER ACRE (20LBS/1,000 SQ. FT.)
E. INCORPORATE LIME AND FERTILIZER IN TOP 2 - 4 INCHES OF TOPSOIL.
F. REMOVE ALL STONES OVER 1 INCH IN DIAMETER, STICKS, AND FOREIGN MATTER FROM THE SURFACE, FROM THE SEEDBED.

2) PLANTING - SUNNY LOCATIONS

USE A CULTIPACKER TYPE SEEDER IF POSSIBLE. SEED TO A DEPTH OF 1/2 TO 1 INCH. IF SEED IS TO BE BROADCAST, CULTIPACK OR ROLL AFTER SEEDING. IF HYDROSEED, LIME AND FERTILIZER MAY BE APPLIED THROUGH THE SEEDER AND ROLLING IS NOT PRACTICAL. SEED USING THE FOLLOWING MIX AND RATES:

SPECIES (% BY WEIGHT)	2.0-2.6 LBS./1,000 SQ. FT.	85-114LBS./ACRE
10% KENTUCKY BLUEGRASS BLEND	0.6-0.8 LBS./1,000 SQ. FT.	25-35 LBS./ACRE
20% PERENNIAL RYE GRASS	0.4-0.6 LBS./1,000 SQ. FT.	15-20 LBS./ACRE
10% FINE FESCUE	3.0-4.0 LBS./1,000 SQ. FT.	130-175 LBS./ACRE

OR,

100% TALL FESCUE, TURF-TYPE, FINE LEAF	3.4-4.6 LBS./1,000 SQ. FT.	150-200 LBS./ACRE
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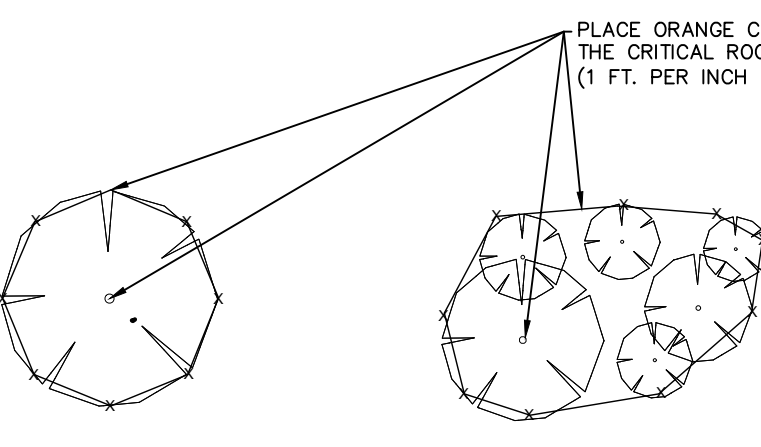
12) WHEN USING THE CULTIPACKER OR BROADCAST SEED METHOD, MULCH USING SMALL GRASS STRAW, APPLIED AT A RATE OF 2 TONS PER ACRE, AND ANCHOR WITH A NETTING OR TACKIFIER. HYDROSEED APPLICATIONS SHOULD INCLUDE MULCH, FERTILIZER AND SEED.

TEMPORARY SEEDING

- TEMPORARY SEEDINGS MAY BE NECESSARY TO PROTECT AN AREA, OR SECTION WHERE FINAL GRADING IS COMPLETE, WHEN PREPARING FOR WINTER WORK SHUTDOWN, OR TO PROVIDE COVER WHEN PERMANENT SEEDINGS ARE LIKELY TO FAIL DUE TO MIDSUMMER HEAT AND DROUGHT.
- SPRING, SUMMER, OR EARLY FALL:
SEED AREA WITH RYE GRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE.
- LATE FALL OR EARLY WINTER:
SEED CERTIFIED "HARDSTOCK" WINTER RYE (CEREAL RYE) AT 100 LBS. PER ACRE.
- MULCH AREAS WITH OLD HAY OR STRAW AT 2 TONS PER ACRE. MULCH ANCHORING WILL BE REQUIRED WHERE WIND OR AREAS OF CONCENTRATED WATER ARE OF CONCERN.
- VEGETATING OF WATERWAYS (DITCH LINES)
WATERWAYS SHALL BE PROTECTED AGAINST EROSION BY VEGETATIVE MEANS AS SOON AFTER CONSTRUCTION AS PRACTICAL.
- CENTELINE OF DITCH TO BE PROTECTED BY THE USE OF JUTE MATTING.
- LIMING, FERTILIZING AND SEEDED PREPARATION:
A. LIME TO A PH OF 6.5
B. APPLY COMMERCIAL FERTILIZER AT THE RATE DETERMINED BY SOILS TESTS.
C. LIME AND FERTILIZER SHALL BE MIXED THOROUGHLY INTO THE SEEDED DURING PREPARATION.
D. CHANNELS SHALL HAVE AT LEAST 4 INCHES OF TOPSOIL.
E. REMOVE OBSTRUCTIONS THAT WOULD IMPAIR MAINTENANCE.

SEED MIXTURE:

- KENTUCKY BLUEGRASS @ 25 LBS. PER ACRE
- CREeping RED FESCUE @ 20 LBS. PER ACRE
- PERENNIAL RYE GRASS @ 10 LBS. PER ACRE
- SEEDING SHALL BE APPLIED UNIFORMLY OVER THE DISTURBED AREA.
- MULCHING:
ALL SEEDED AREAS WILL BE MULCHED.
- MAINTENANCE:
CONTRACTOR SHALL MAINTAIN THE SEEDED AREAS UNTIL SUCH TIME AS THE TOWN OR OWNER ASSUMES RESPONSIBILITY.



TREE PROTECTION DETAIL
SCALE: NONE

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.

PLANS ARE INCOMPLETE/INVALID WITHOUT SHEETS 1-4 OF A ATTACHED, AND SHALL HAVE AN ORIGINAL SEAL AND SIGNATURE OF THE ENGINEER AFFIXED TO EACH PLAN SHEET.

JOSEPH W. GOTTLIB P.E.
N.Y.S.P.E. LIC. No. 47142

REVISION	DATE	DESCRIPTION

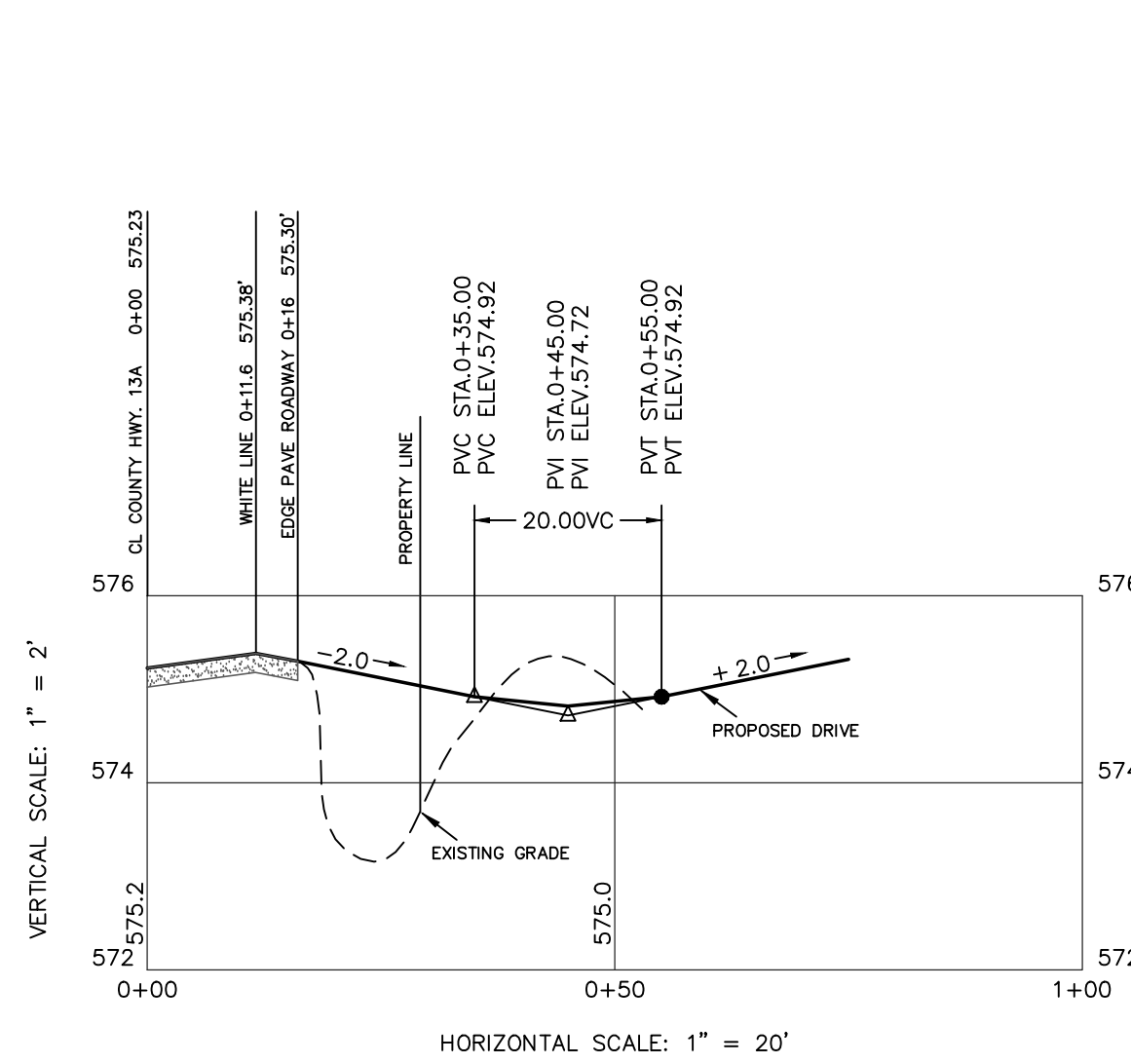
Joseph Gottlieb, P.E., P.C.
Consulting Engineer
P.O. Box 76,
Monticello, New York 12701-0076

PROJECT: **NMC3, LLC - SUBDIVISION**

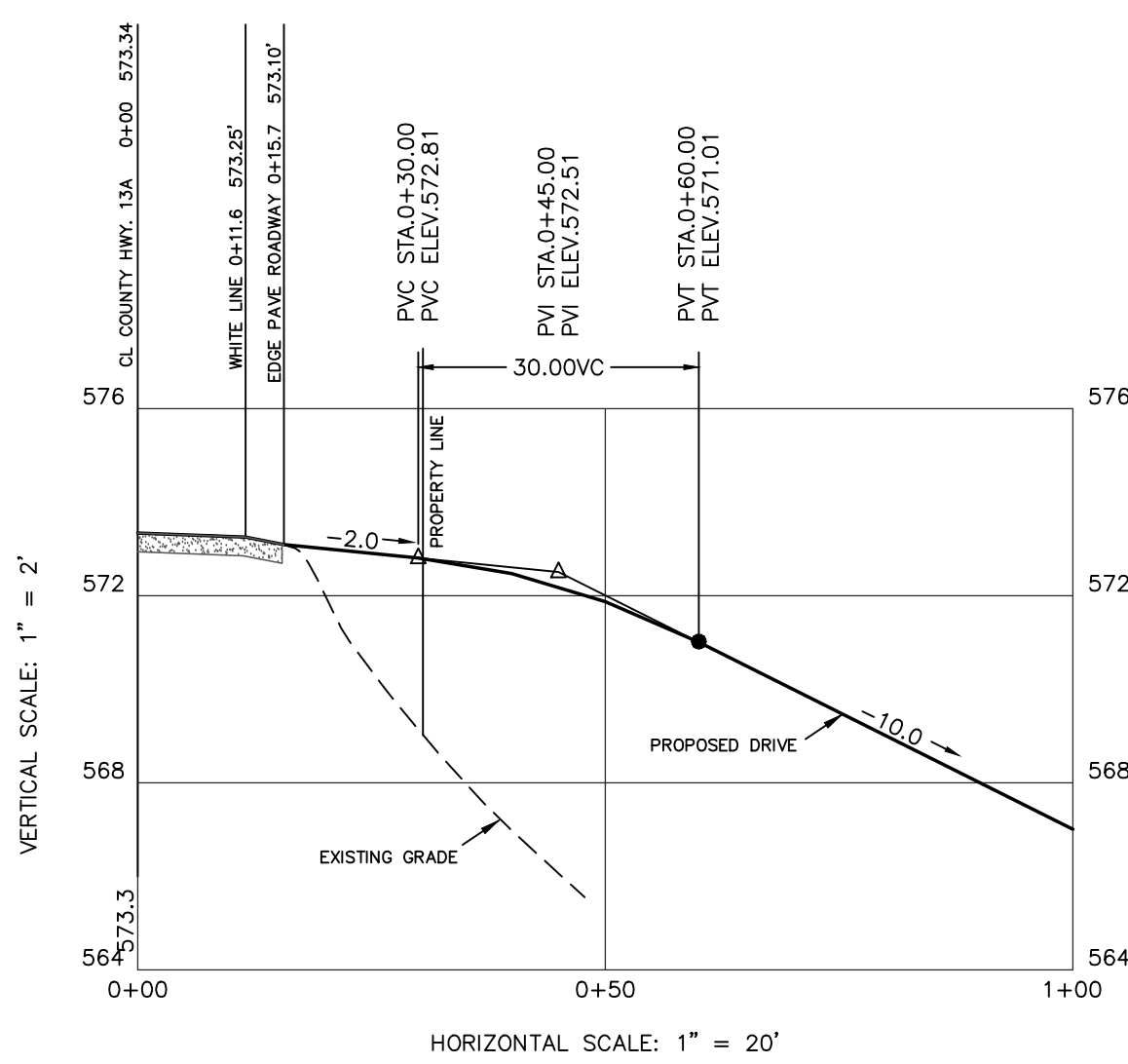
**TOWN OF CHESTER
ORANGE COUNTY, NEW YORK**

TITLE: **CONSTRUCTION DETAILS**

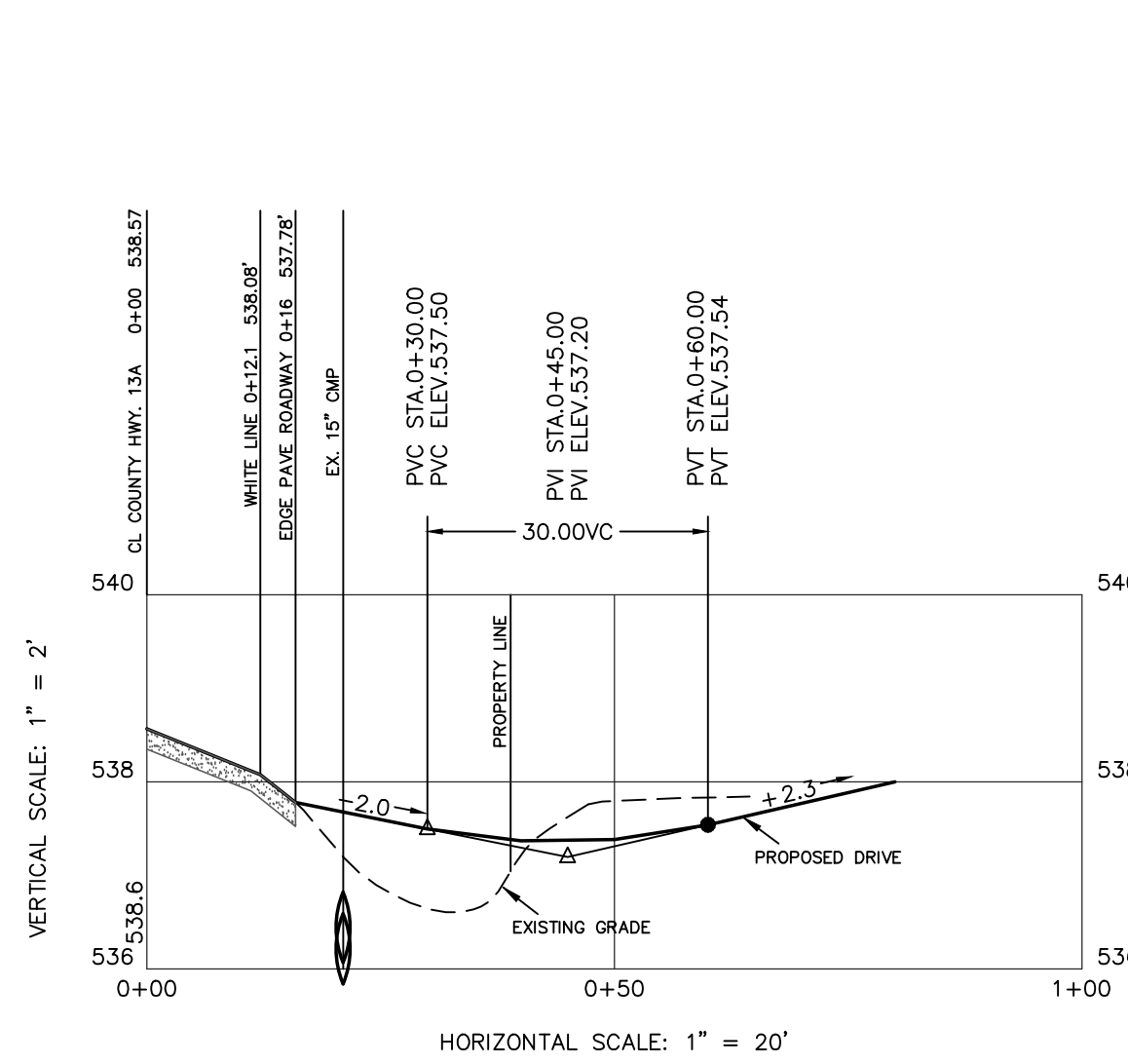
DRAWN BY: JEG	CHECKED BY: JWG
DATE: NOVEMBER 19, 2020	SCALE: AS SHOWN
PROJECT NO:	DRAWING NO:



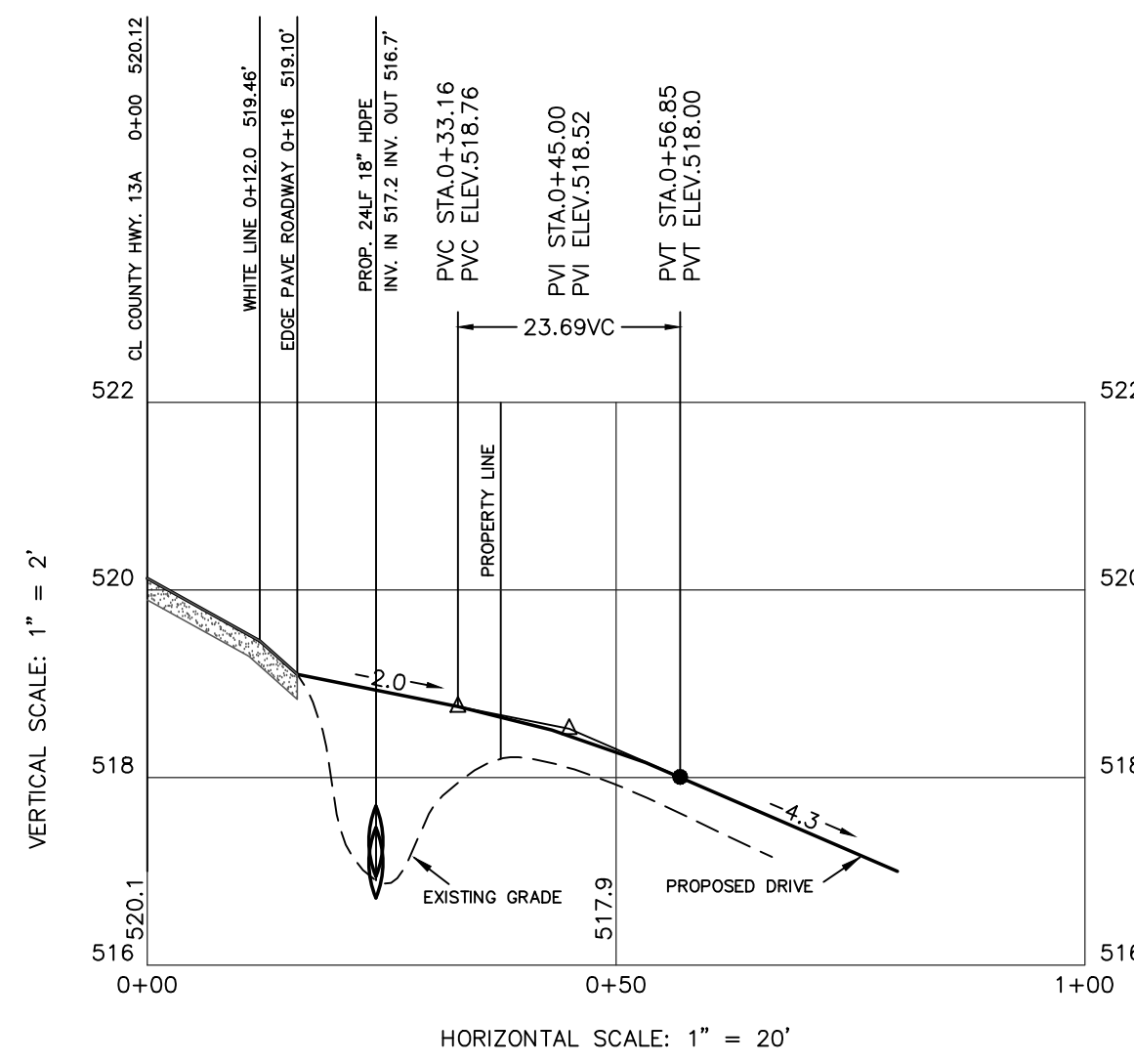
DRIVEWAY PROFILE LOT #1



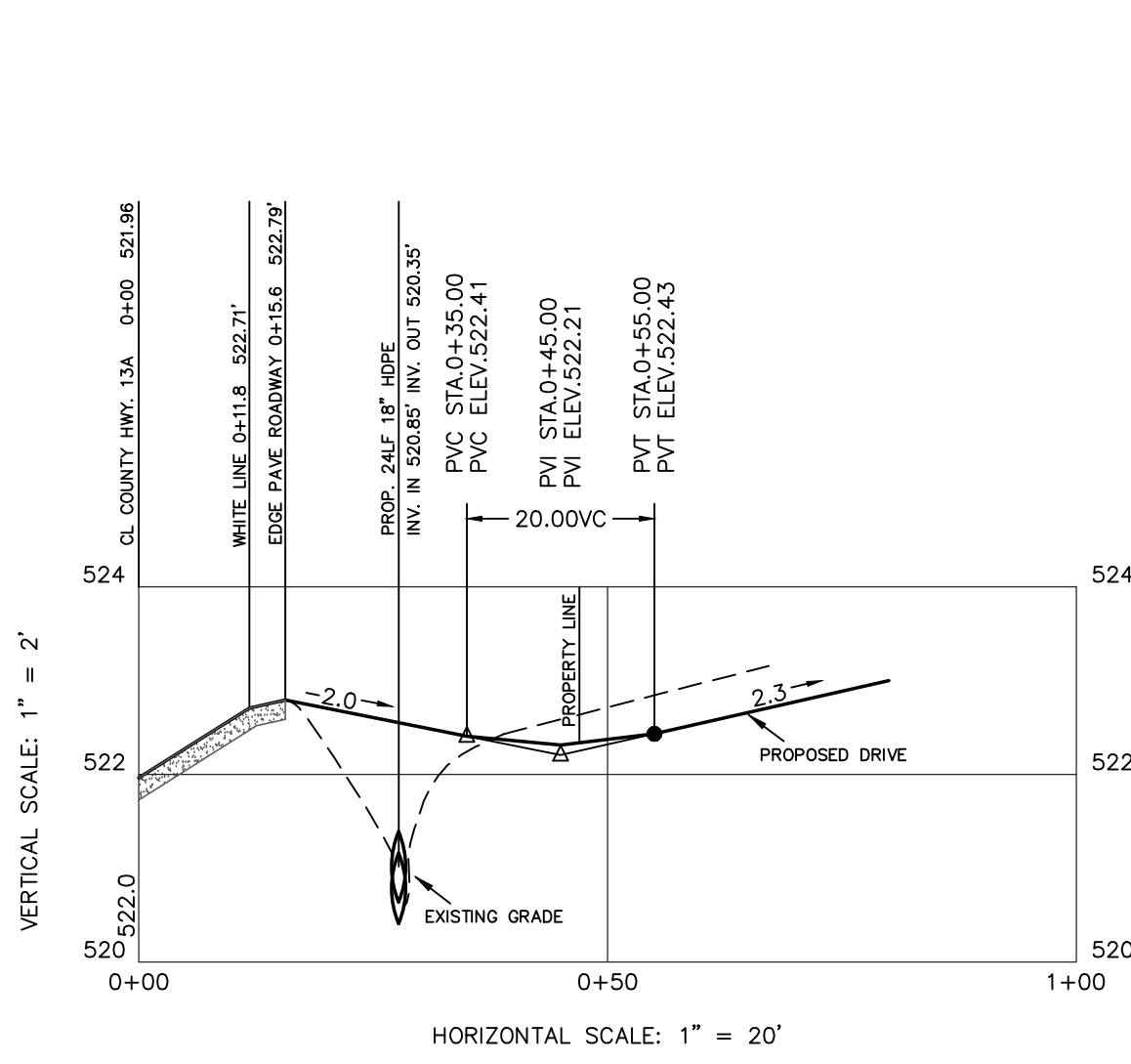
DRIVEWAY PROFILE LOT #2



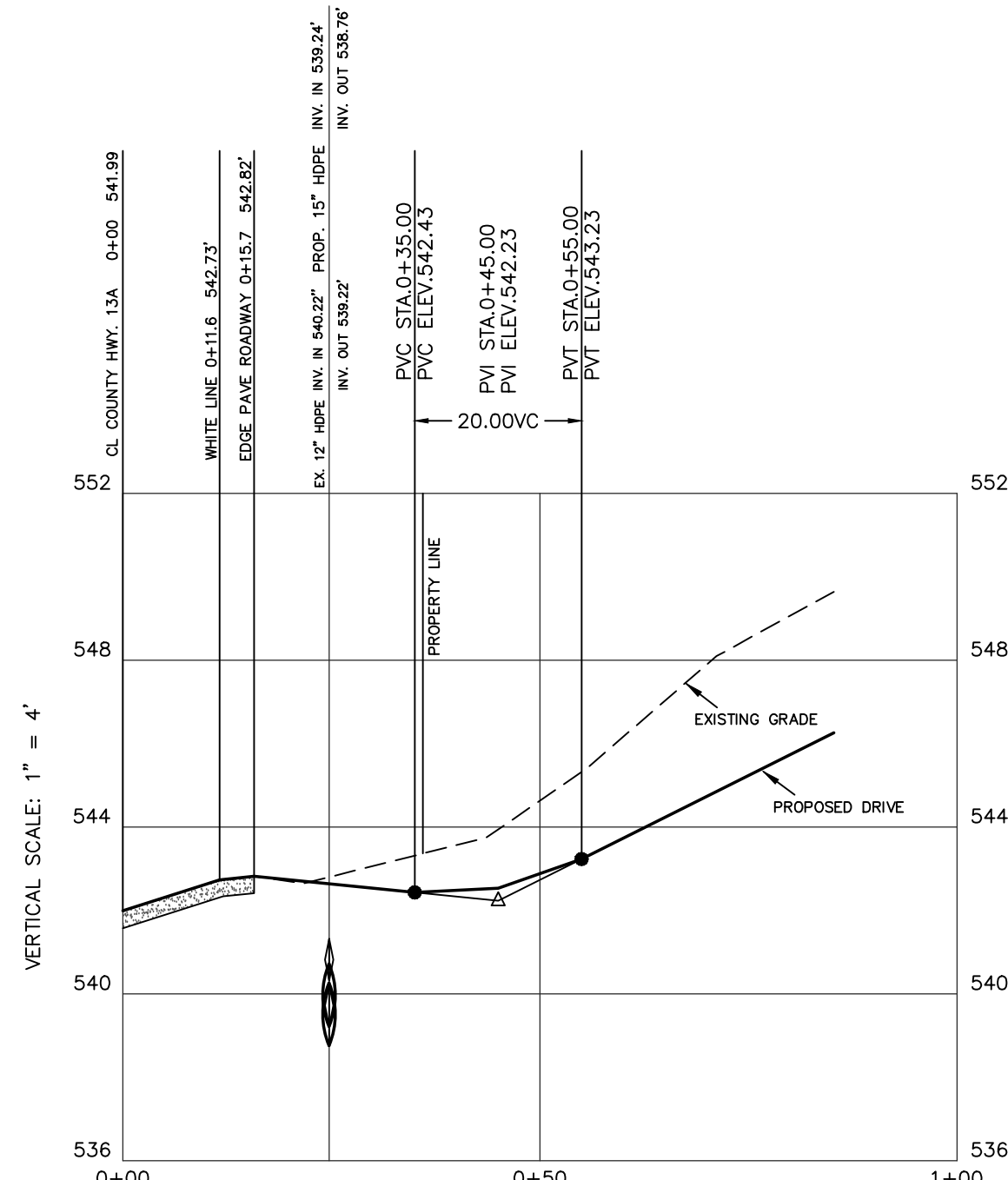
DRIVEWAY PROFILE LOT #3



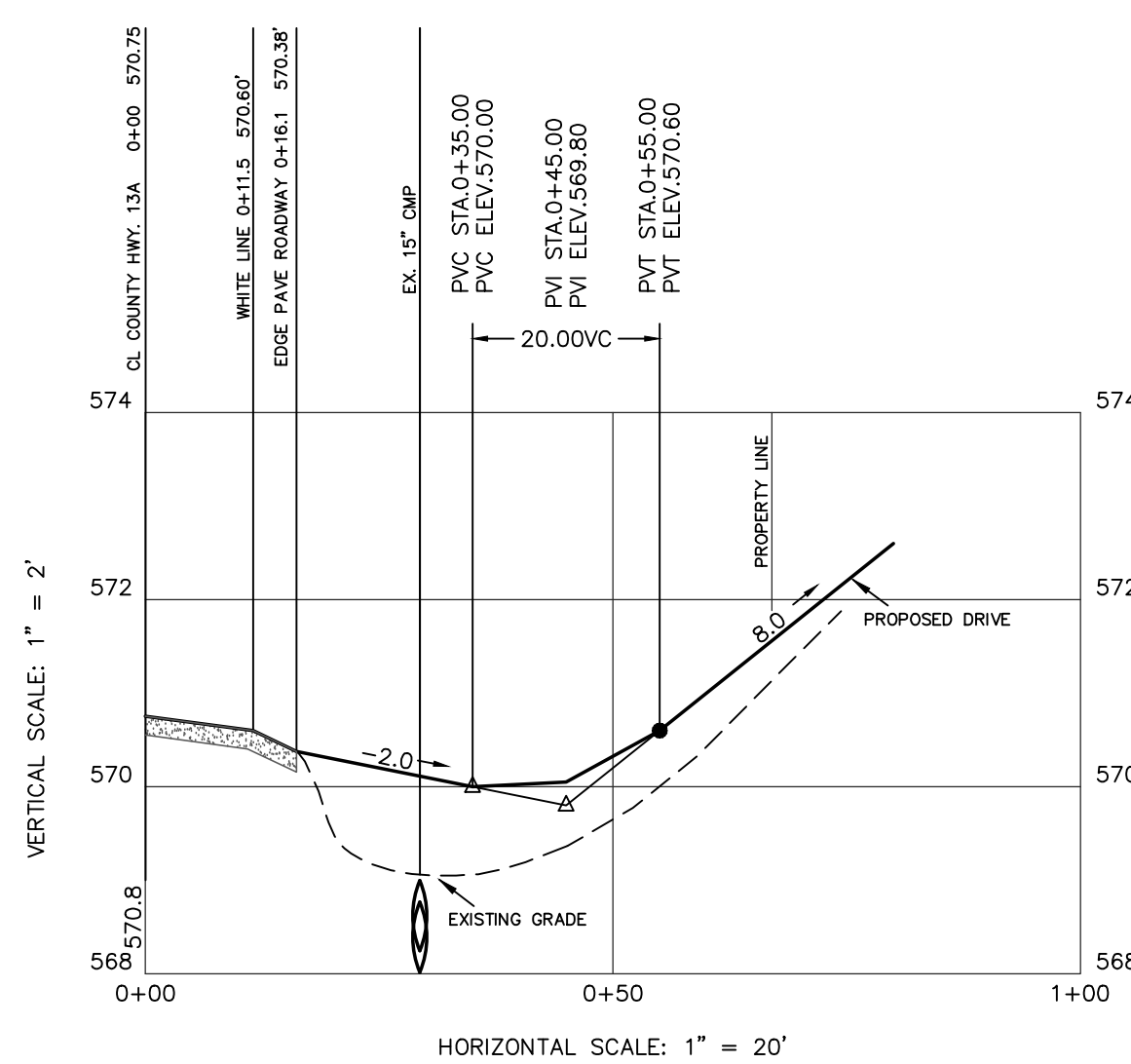
DRIVEWAY PROFILE LOT #4



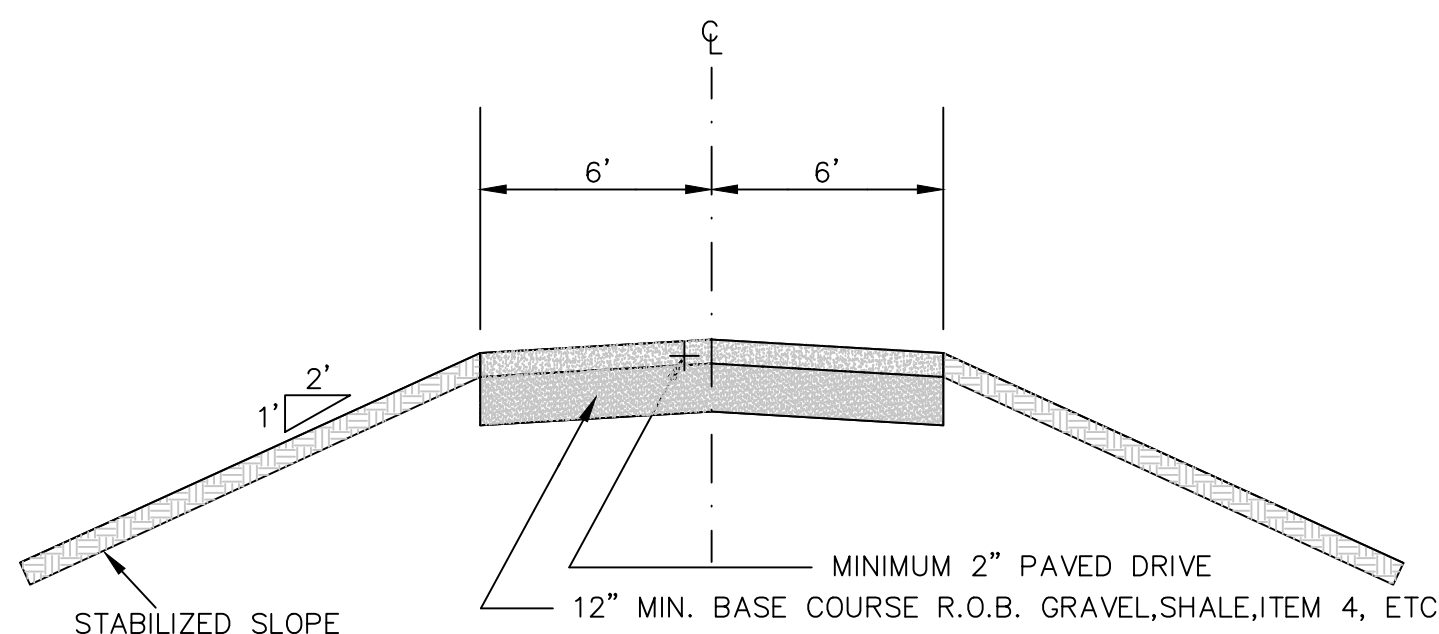
DRIVEWAY PROFILE LOT #5



DRIVEWAY PROFILE LOT #6

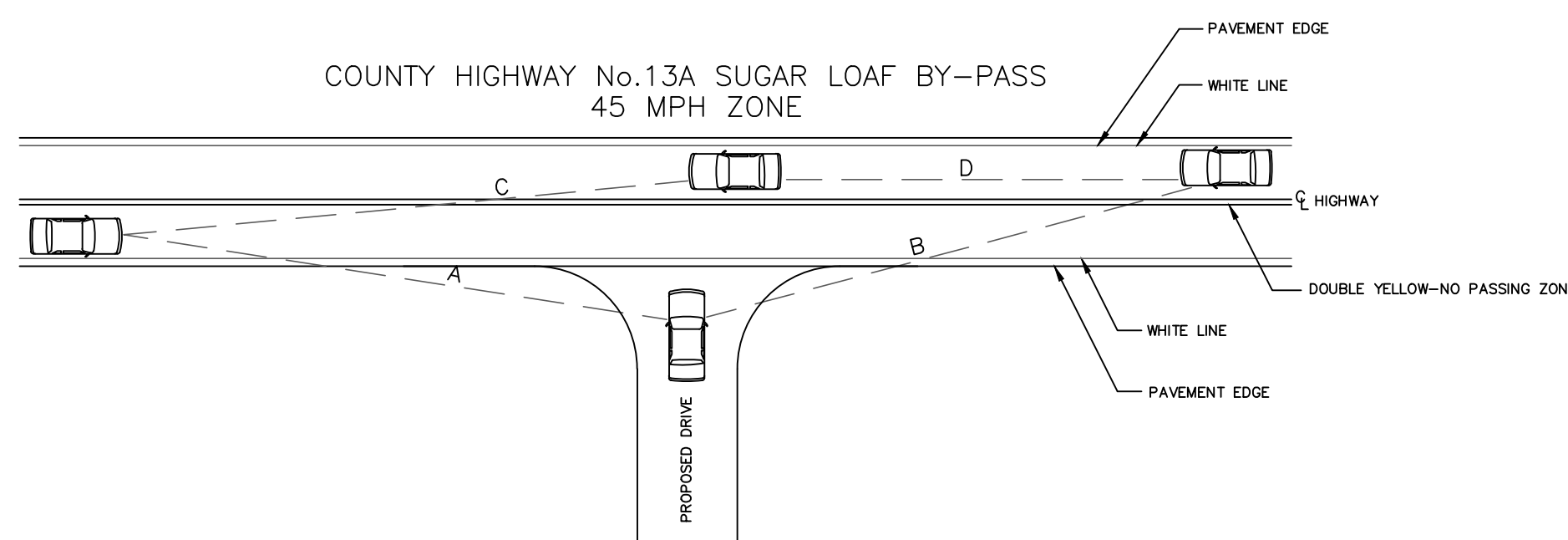


DRIVEWAY PROFILE LOT #7



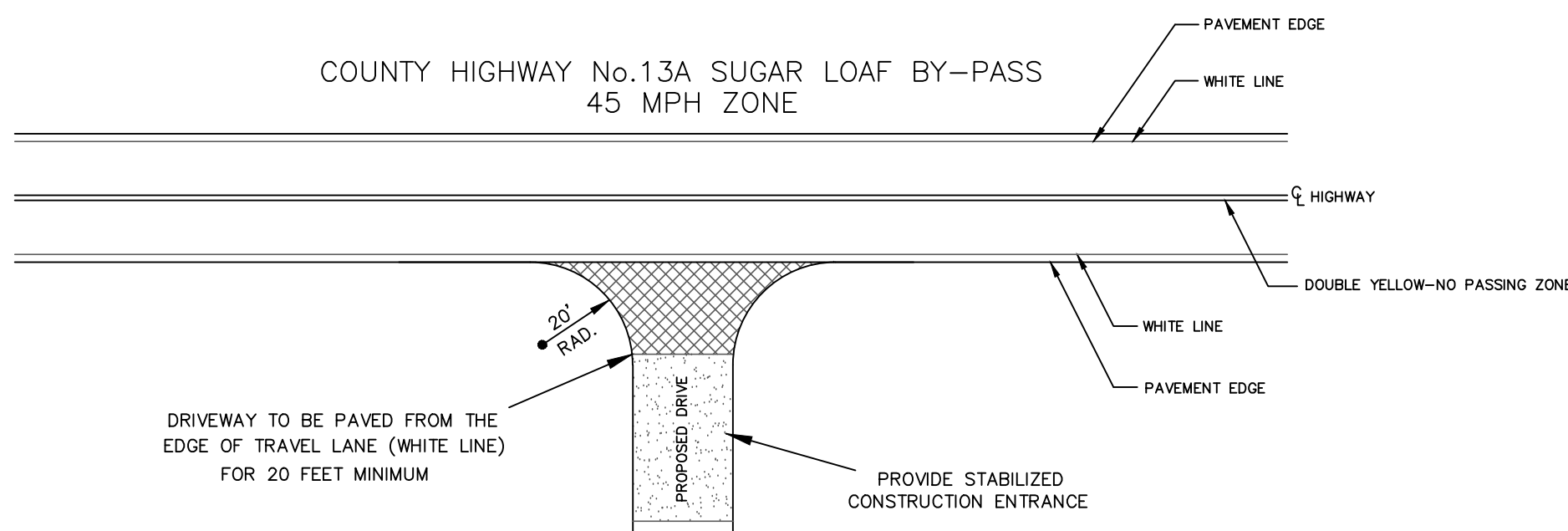
DRIVEWAY FILL — CROSS SECTION

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



PROPOSED DRIVEWAY SIGHT DISTANCE DETAIL

SIGHT DISTANCES						
LOT 1	LOT 2	LOT 3	LOT 4	LOT 5	LOT 6	LOT 7
A 500'+	A 500'+	A 500'+	A 500'+	A 500'+	A 500'+	A 400'+
B 470' TO INTERSEC.	B 370'+	B 500'+	B 500'+	B 500'+	B 500'+	B 500'+
C 500'+	C 500'+	C 500'+	C 500'+	C 500'+	C 500'+	C 400'+
D 470'	D 370'+	D 500'+	D 500'+	D 500'+	D 500'+	D 500'+



TYPICAL DRIVEWAY ENTRANCE DETAIL

NTS

COUNTY HIGHWAY ENTRANCE DESIGN
&
DETAILS
FOR

NMC3, LLC.

TOWN OF CHESTER
SCALE: 1"=20'

ORANGE COUNTY, N.Y.
NOVEMBER 19, 2020

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.

UC49087
JAMES A. DILLIN, PLS
PROFESSIONAL LAND SURVEYOR
GOSHEN, NEW YORK