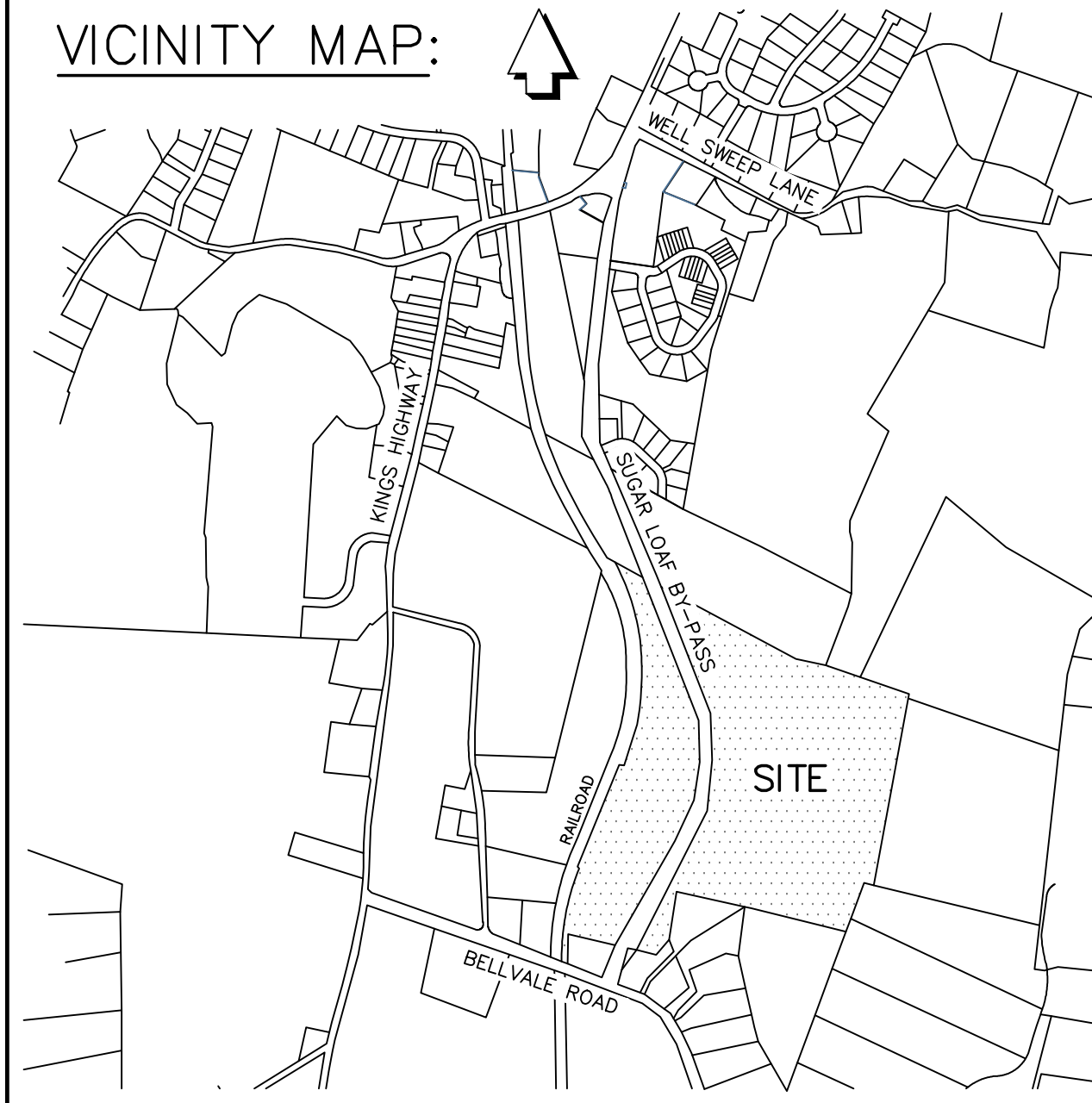




OVERLAY DISTRICTS:

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:

1. TAX MAP DESIGNATION: TOWN OF CHESTER
SECTION 13 BLOCK 1 LOT 41.22 & 39
2. WATER SUPPLY: PRIVATE WELL
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.
TOWN OF CHESTER 360870, COMMUNITY-PANEL NUMBER 36071 CO408E,
DATED AUGUST 3, 2009 ZONE A: "AREAS OF 100-YEAR FLOOD: BASE
FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS NOT DETERMINED."
5. DUE TO POTENTIAL HABITAT FOR THE LONG EARED INDIANA BAT, TREE
CUTTING SHALL BE LIMITED TO NOVEMBER 15TH THROUGH MARCH 31ST

DRAWING INDEX

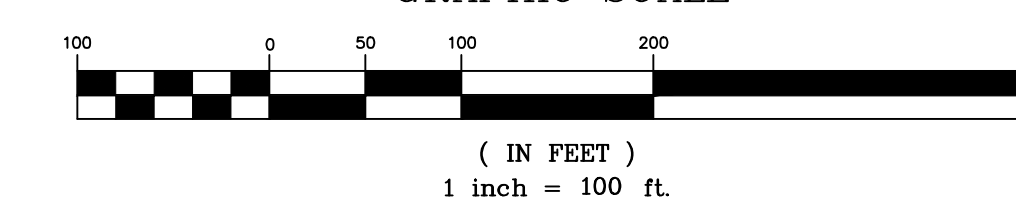
1. SUBDIVISION PLAN
2. OVERALL SITE PLAN
3. SITE PLAN LOTS 1, 2, 3 & 4
4. SITE PLAN LOTS 5, 6 & 7
5. SDS DETAILS
6. SOIL TESTS & EROSION CONTROL DETAILS
7. COUNTY ENTRANCE PLAN

SUBDIVISION OF PROPERTY
FOR
NMC3, LLC.

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

JULY 20, 2020
REVISED: NOVEMBER 19, 2020
REVISED: DECEMBER 21, 2020
REVISED: FEBRUARY 17, 2021
REVISED: MAY 19, 2021 SHEETS 2 & 3

GRAPHIC SCALE



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

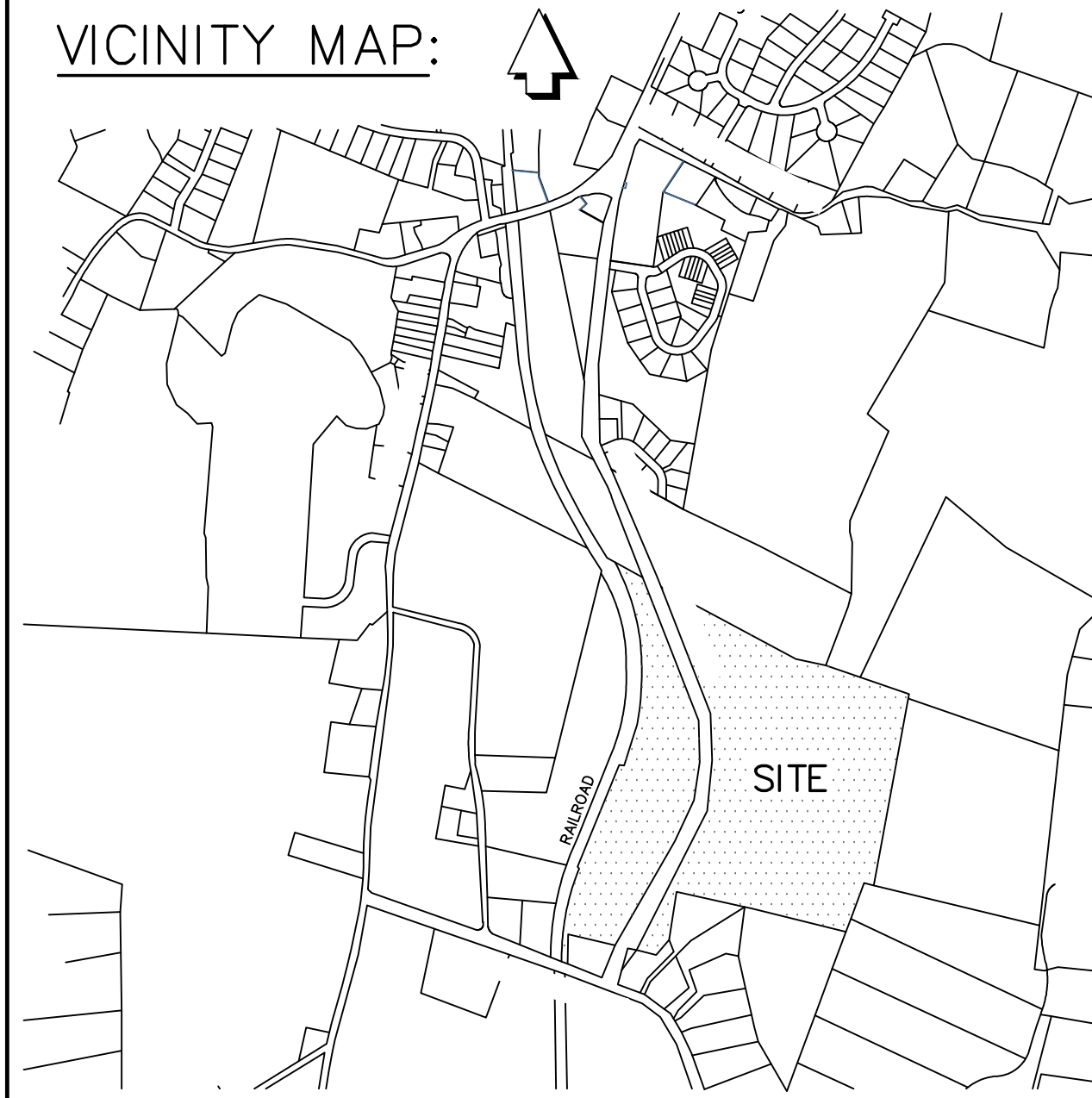
JAMES A. DILLIN, PLS.
PROFESSIONAL LAND SURVEYOR
GOSHEN, NEW YORK

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



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.
- FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP,
TOWN OF CHESTER 36070, COMMUNITY-PANEL NUMBER 36071 0045RE,
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
- 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.
- 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

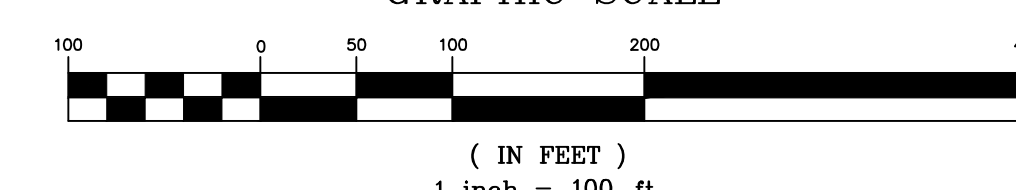
- SUBDIVISION PLAN
- OVERALL SITE PLAN
- SITE PLAN LOTS 1, 2, 3 & 4
- SITE PLAN LOTS 5, 6 & 7
- SOS DETAILS
- SOIL TESTS & EROSION CONTROL DETAILS
- COUNTY ENTRANCE PLAN

SLOPES OVER 15%

OVERALL SITE PLAN
FOR
NMC3, LLC.

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

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



1 inch = 100 ft.

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

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 PLAT.

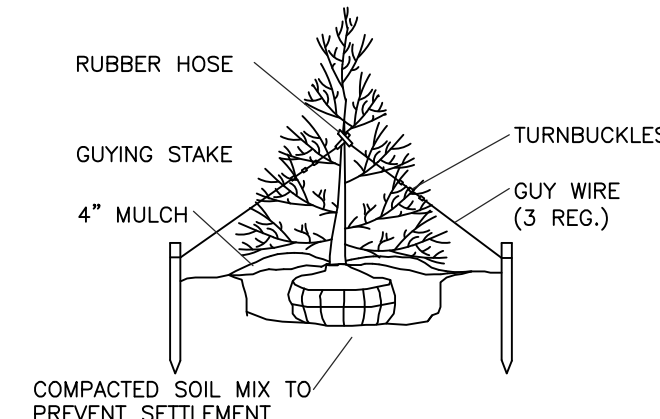
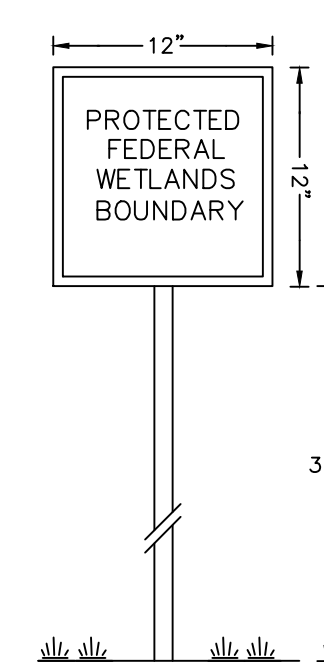
JOSEPH GOTTLEB, P.E., P.C.
CONSULTING ENGINEER
P.O. BOX 76
MONTICELLO
NEW YORK 12071
Tel. (845) 794-5506

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
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SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS
UNDER SECTION 136 OF THE HIGHWAY LAW.

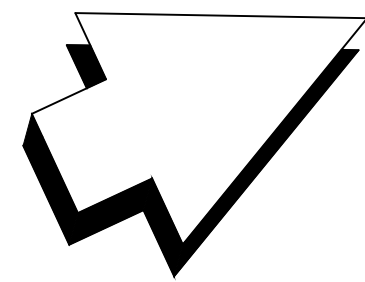
WETLANDS BOUNDARY SIGN



TYPICAL PLANTING & GUYING DETAIL LOT #2

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



LEGEND

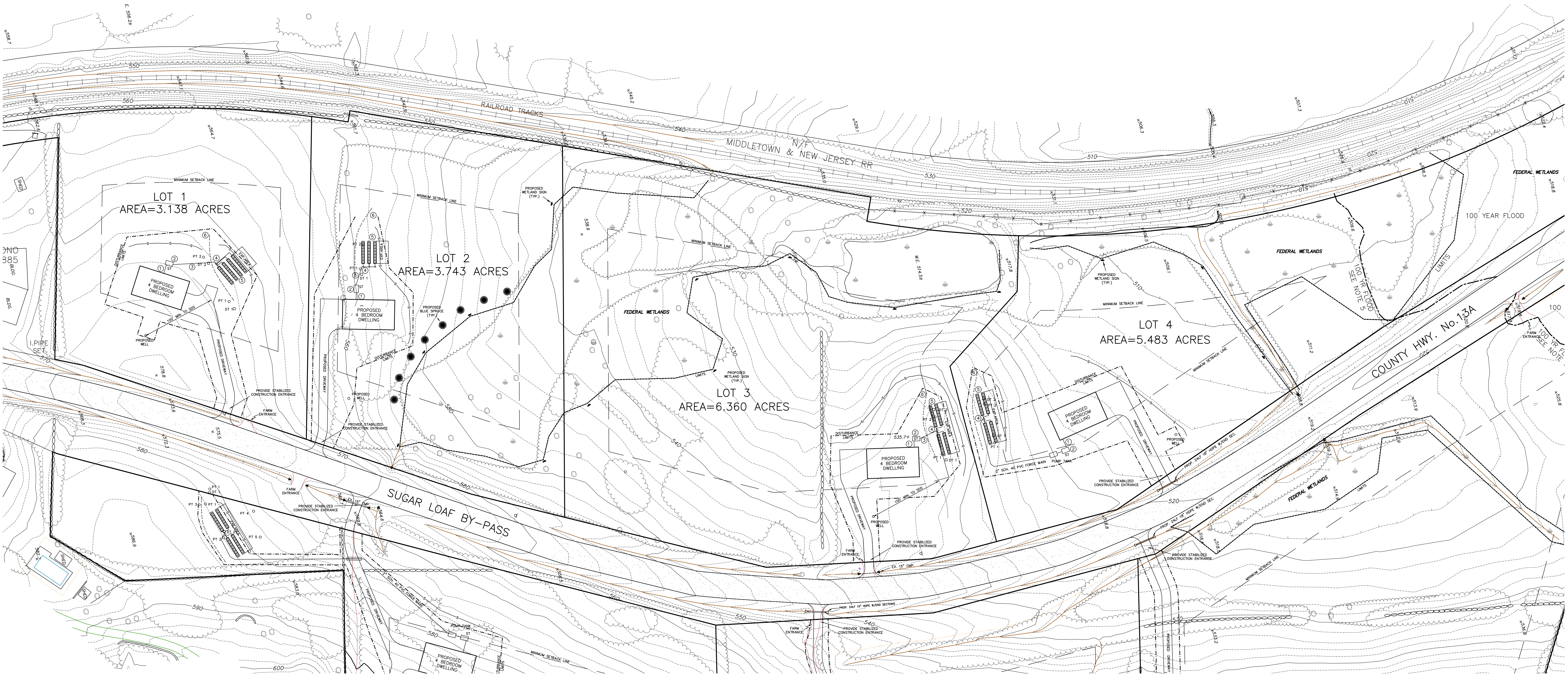
SYMBOL	DESCRIPTION
○	PROPOSED WELL
□	PROPOSED SEPTIC TANK
DB	PROPOSED DISTRIBUTION BOX
TES	FLARED END SECTION
=====	PROPOSED DRAINAGE PIPE
○ PT	PERCOLATION TEST
□ DT	DEEP TEST
—+—+—	SURFACE WATER SWALE
---	EXISTING CONTOURS
—594—	PROPOSED CONTOURS
—S—	SILT FENCE
- - -	DISTURBANCE LINE

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.
MINIMUM LOT COVERAGE.....	10 %	<	<	<	<
MAXIMUM BUILDING HEIGHT.....	35 FT.	< 35'	< 35'	< 35'	< 35'



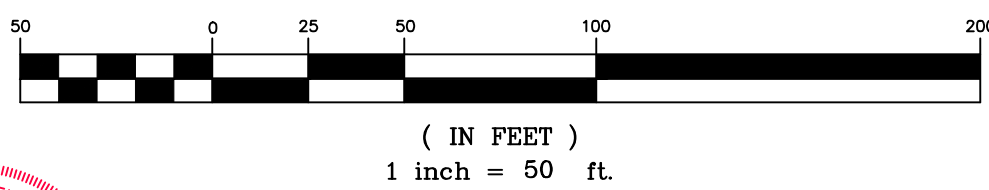
SEE PLAN SHEET	
PT 10	PERCOLATION TEST
DT 10	DEEP TEST PIT
①	4" SCH. 40 PVC @ 1/4" PER FT. MIN.
②	1250 GALLON CONCRETE SEPTIC TANK
③	4" SCH. 40 PVC @ 1/8" PER FT. MIN.
④	DISTRIBUTION DEVICE
⑤	ABSORPTION TRENCHES
⑥	SURFACE WATER DIVERSION SWALE

SITE PLAN
FOR
NMC3, LLC.

TOWN OF CHESTER SCALE: 1"=50'
ORANGE COUNTY, N.Y. TOTAL AREA= 72.611 ACRES

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

GRAPHIC SCALE

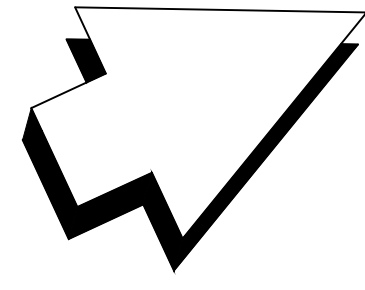


COUNTY HIGHWAY ENTRANCE DESIGN

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 136 OF THE HIGHWAY LAW.

JOSEPH GOTTLEB, P.E., P.C.
CONSULTING ENGINEER
P.O. BOX 76
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NEW YORK 12521
Tel. (845) 794-5506

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



LEGEND

SYMBOL	DESCRIPTION
○	PROPOSED WELL
ST	PROPOSED SEPTIC TANK
DB	PROPOSED DISTRIBUTION BOX
TES	FLARED END SECTION
=====	PROPOSED DRAINAGE PIPE
○ PT	PERCOLATION TEST
□ DT	DEEP TEST
---	SURFACE WATER SWALE
---	EXISTING CONTOURS
---	PROPOSED CONTOURS
S	SILT FENCE
---	DISTURBANCE LINE

OVERLAY DISTRICTS:

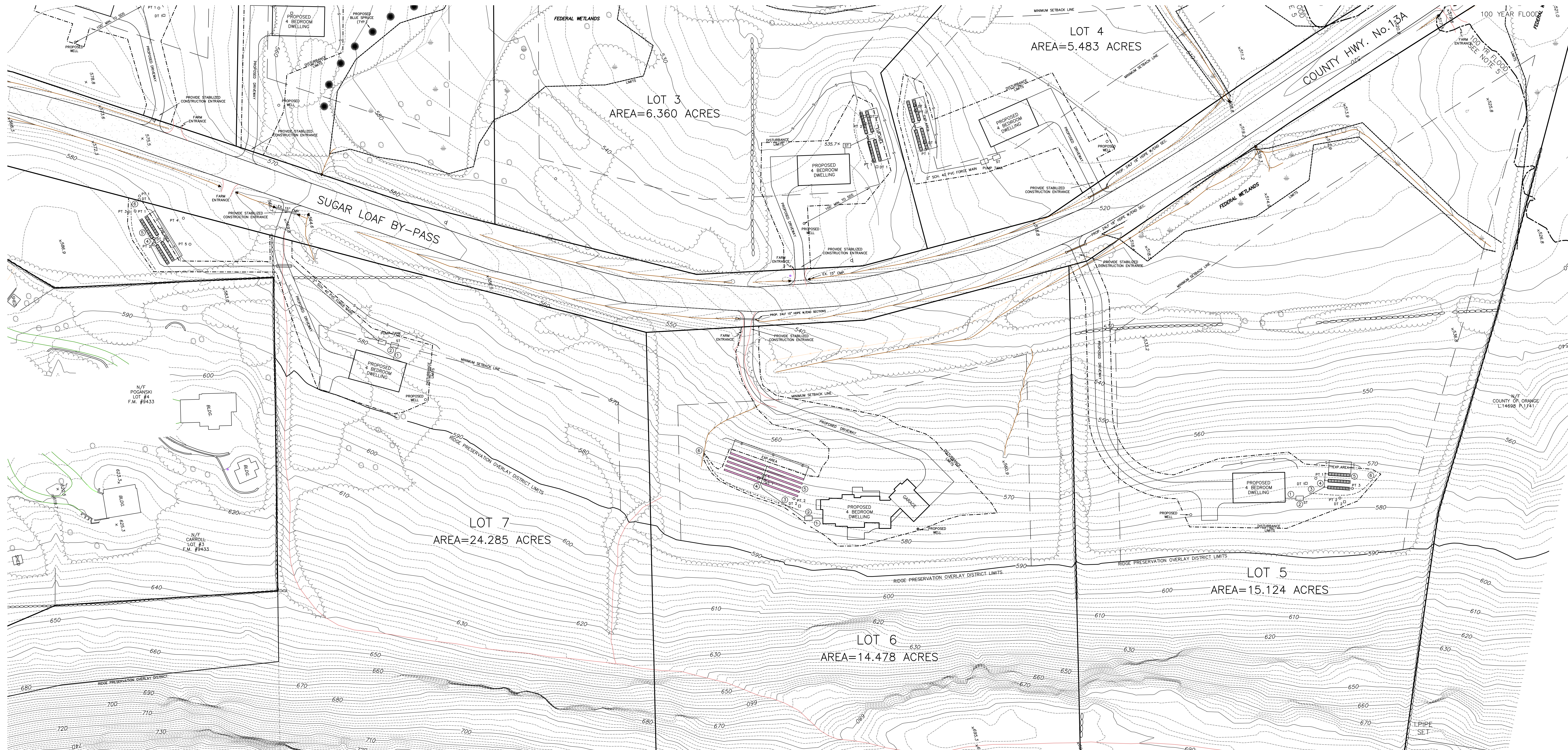
RIDGE PRESERVATION OVERLAY DISTRICT

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

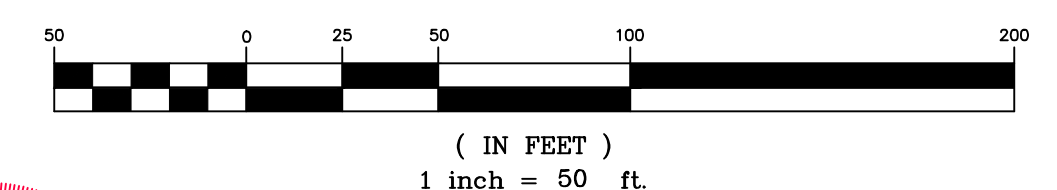
JULY 20, 2020

REVISED: NOVEMBER 19, 2020

REVISED: DECEMBER 21, 2020

REVISED: FEBRUARY 17, 2021

GRAPHIC SCALE



SITE PLAN LEGEND

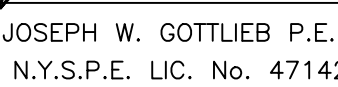
- PT 1 ○ PERCOLATION TEST
- DT 1 □ DEEP TEST PIT
- ① 4" SCH. 40 PVC @ 1/4" PER FT. MIN.
- ② 1250 GALLON CONCRETE SEPTIC TANK
- ③ 4" SCH. 40 PVC @ 1/8" PER FT. MIN.
- ④ DISTRIBUTION DEVICE
- ⑤ ABSORPTION TRENCHES
- ⑥ SURFACE WATER DIVERSION SWALE

COUNTY HIGHWAY ENTRANCE DESIGN

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JOSEPH POTTJEB, P.E., P.C.
CONSULTING ENGINEER
P.O. BOX 76
MONTICELLO
NEW YORK 12701
(845) 794-5506

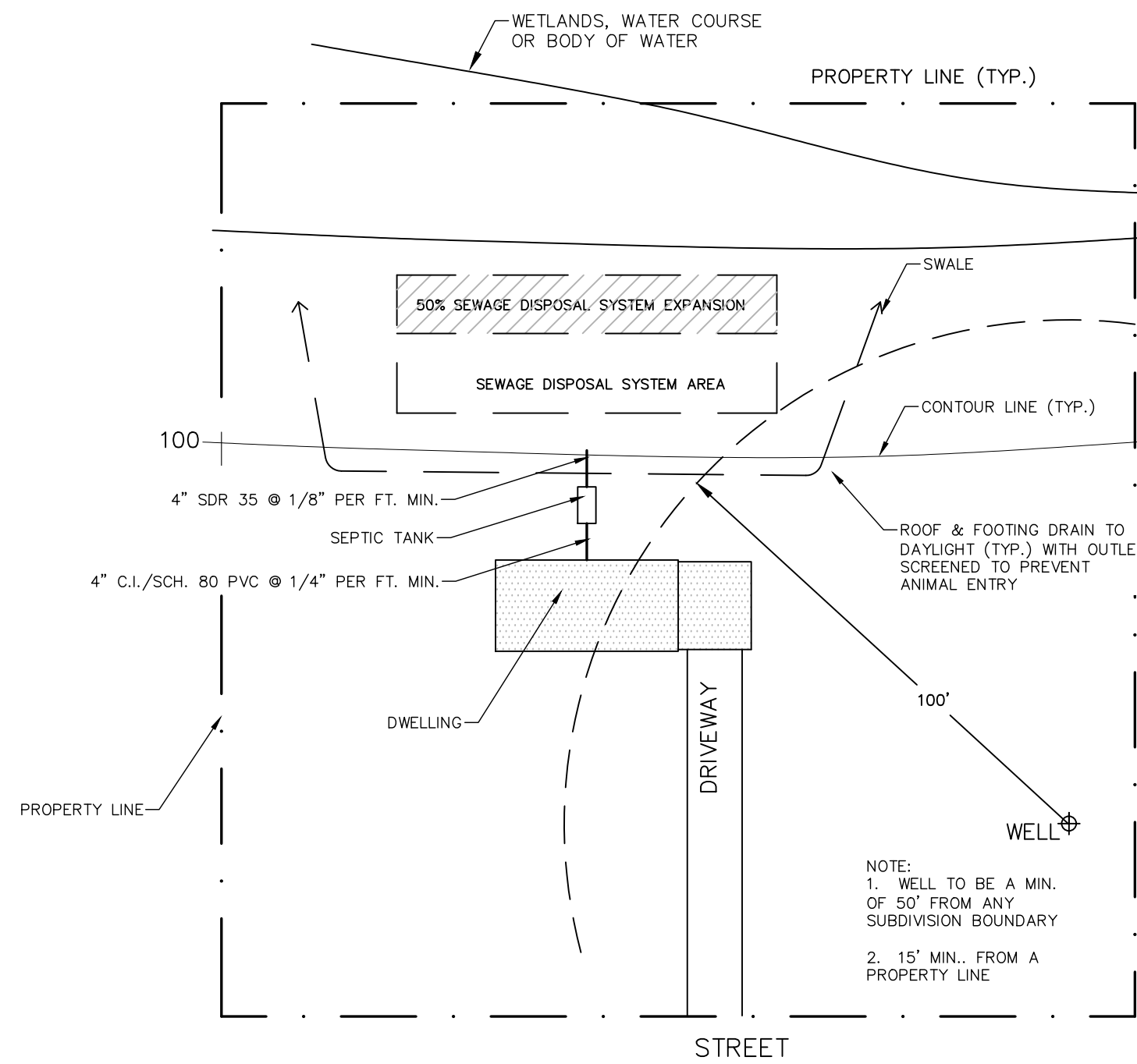
JAMES A. DILLIN, PLS
PROFESSIONAL LAND SURVEYOR
GOSHEN, NEW YORK
LIC. 49087

[illegible]

REVISION	DATE	DESCRIPTION
		Phone: 845.794.5506 FAX: 845.794.5520 E-Mail: gottlieb@verizon.net
Joseph Gottlieb, P.E., P.C. Consulting Engineer P.O. Box 76 Monticello, New York 12701-0076		
PROJECT: <i>NMC3, LLC - SUBDIVISION</i>		
<i>TOWN OF CHESTER</i> <i>ORANGE COUNTY, NEW YORK</i> 		
TITLE: <i>CONSTRUCTION DETAILS</i>		
DRAWN BY: TEG DATE: NOVEMBER 19, 2020		CHECKED BY: JWG SCALE: AS SHOWN
PROJECT NO:		DRAWING NO:
20-116		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	
	3		4:20	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 GOTTIEB PE PC ON THE DATE NOTED



TYPICAL LOT LAYOUT - SDS SEPARATION REQUIREMENTS
SCALE: NONE

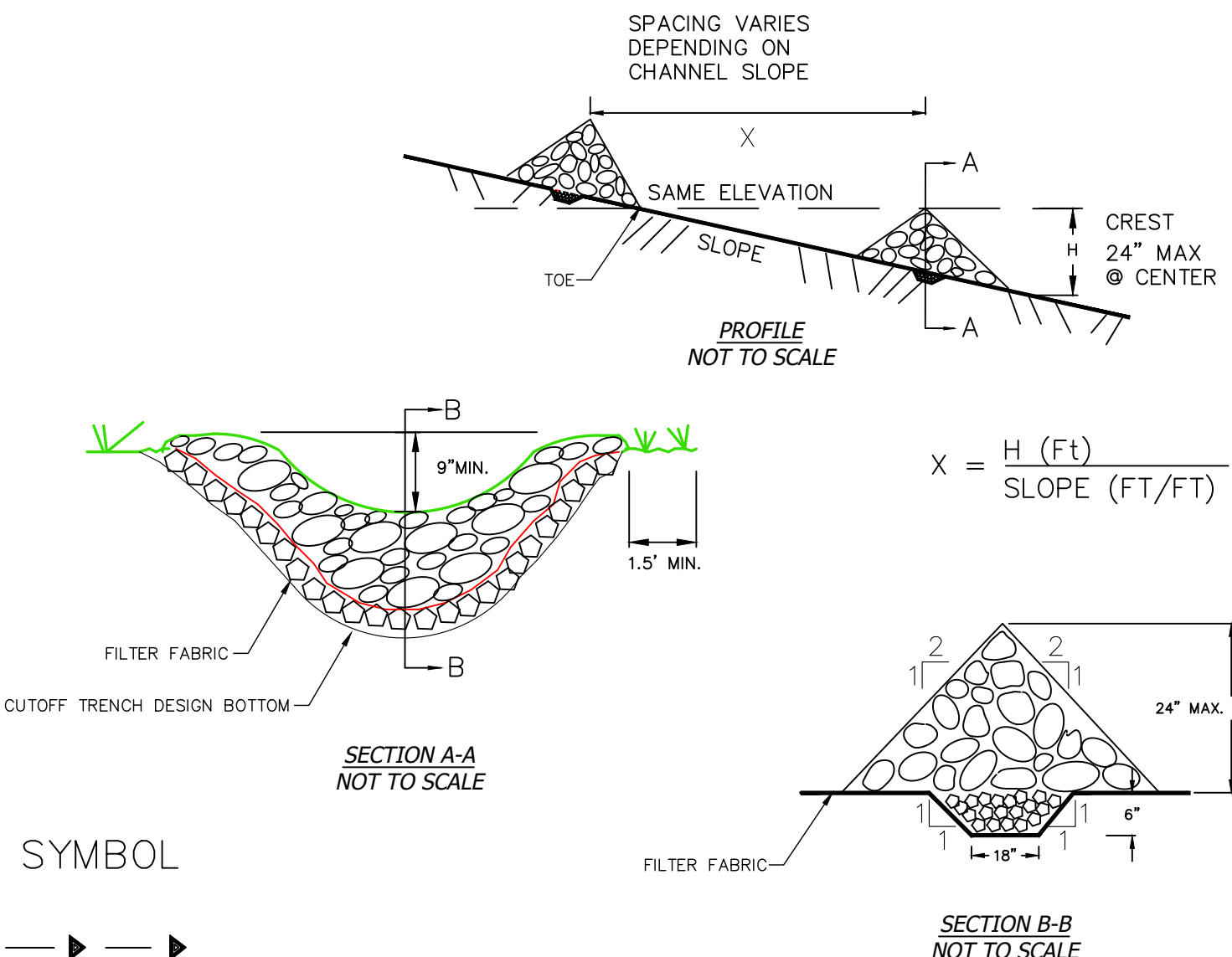
MINIMUM REQUIRED SEPARATION DISTANCES					
SYSTEM COMPONENT	WELL	WATER BODY WETLAND	DWELLING	PROPERTY LINE	OPEN DRAINAGE (DITCH, CULVERT OR CATCH BASIN)
HOUSE SEWER	25' C.I./PVC 50' OTHERWISE	25'	3'	10'	N/A
SEPTIC TANK	50'	50'	10'	10'	10'
EFFLUENT LINE TO DISTRIBUTION DEVICE	50'	50'	10'	10'	10'
ABSORPTION 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 "CLLMBR - 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 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
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
8" TOPSOIL 8" - 30" SAND LOAM NO GRAVEL NO GROUNDWATER, BEDROCK OR MOTTLING	8" TOPSOIL 8" - 30" SAND LOAM NO GRAVEL NO GROUNDWATER, BEDROCK OR MOTTLING	8" TOPSOIL 8" - 42" SAND LOAM W/STONES NO GROUNDWATER, BEDROCK OR MOTTLING	8" TOPSOIL 8" - 42" SAND LOAM W/STONES NO GROUNDWATER, BEDROCK OR MOTTLING	8" TOPSOIL 8" - 42" SAND LOAM W/STONES NO GROUNDWATER, BEDROCK OR MOTTLING	8" TOPSOIL 8" - 42" SAND LOAM W/STONES NO GROUNDWATER, BEDROCK OR MOTTLING	8" TOPSOIL 8" - 42" SAND LOAM W/STONES NO GROUNDWATER, BEDROCK OR MOTTLING	8" TOPSOIL 8" - 42" SAND LOAM W/STONES NO GROUNDWATER, BEDROCK OR MOTTLING	8" TOPSOIL 8" - 24" YELLOW LOAM W/STONES NO GROUNDWATER, BEDROCK OR MOTTLING	10" TOPSOIL 10" - 36" LOAM W/STONES NO GROUNDWATER, BEDROCK OR MOTTLING	10" TOPSOIL 10" - 36" SAND LOAM W/STONES NO GROUNDWATER, BEDROCK OR MOTTLING	12" TOPSOIL 12" - 36" SAND LOAM W/STONES NO GROUNDWATER, BEDROCK OR MOTTLING

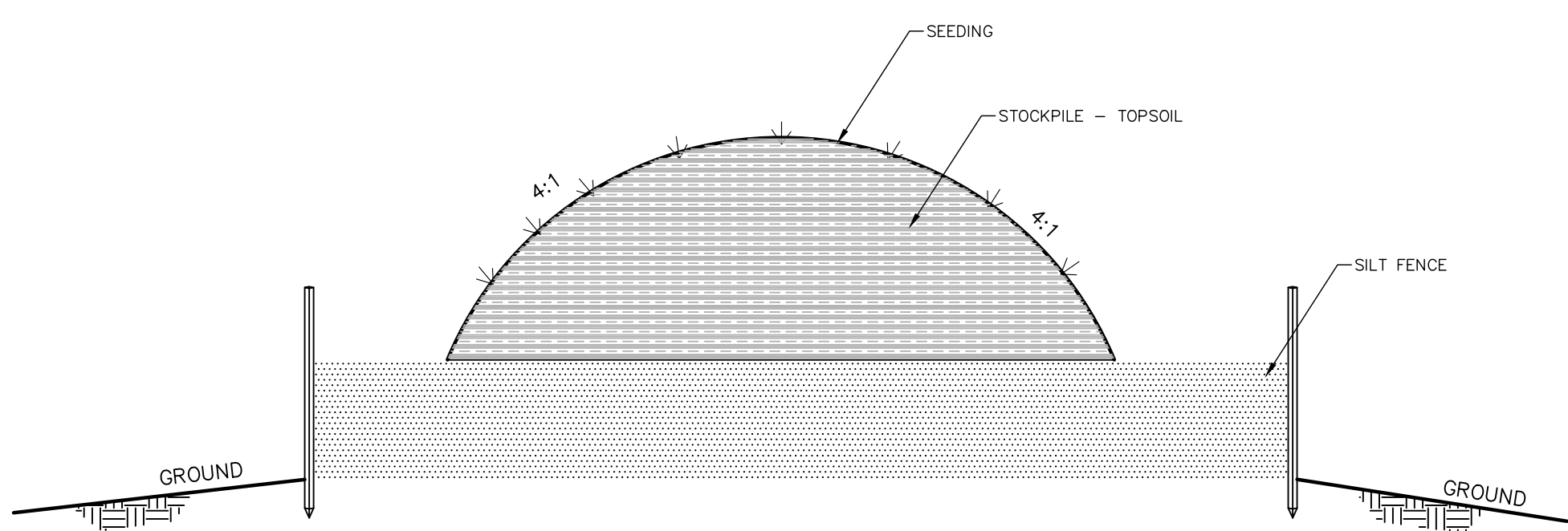
NOTE:
1. TEST PITS LISTED AS "A" WERE CONDUCTED BY A REPRESENTATIVE OF JOSEPH GOTTIEB PE PC ON THE DATE NOTED.

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 3 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 3 LATERALS W/7 UNITS PER LATERAL	1000 GALLON



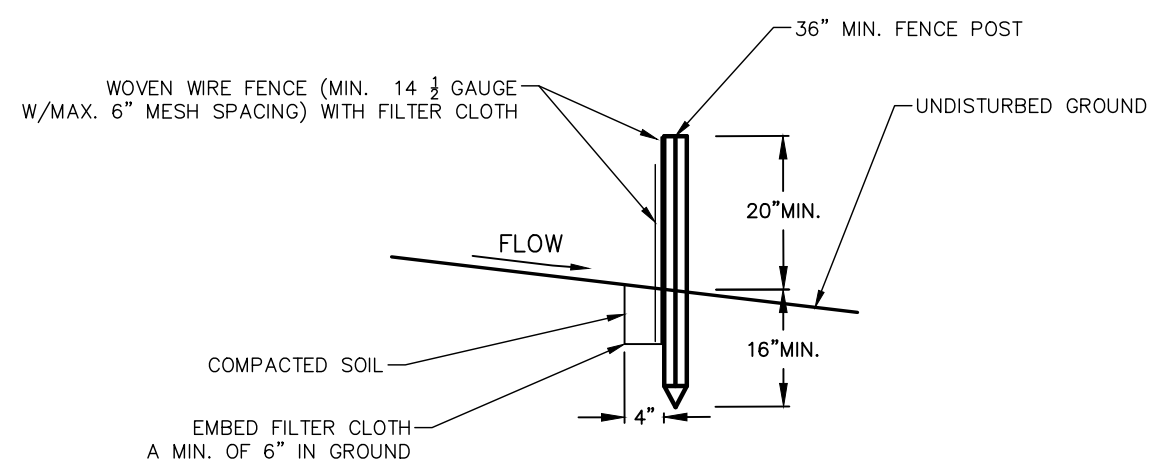
ROCK CHECK DAM DETAIL
SCALE: NONE

- 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

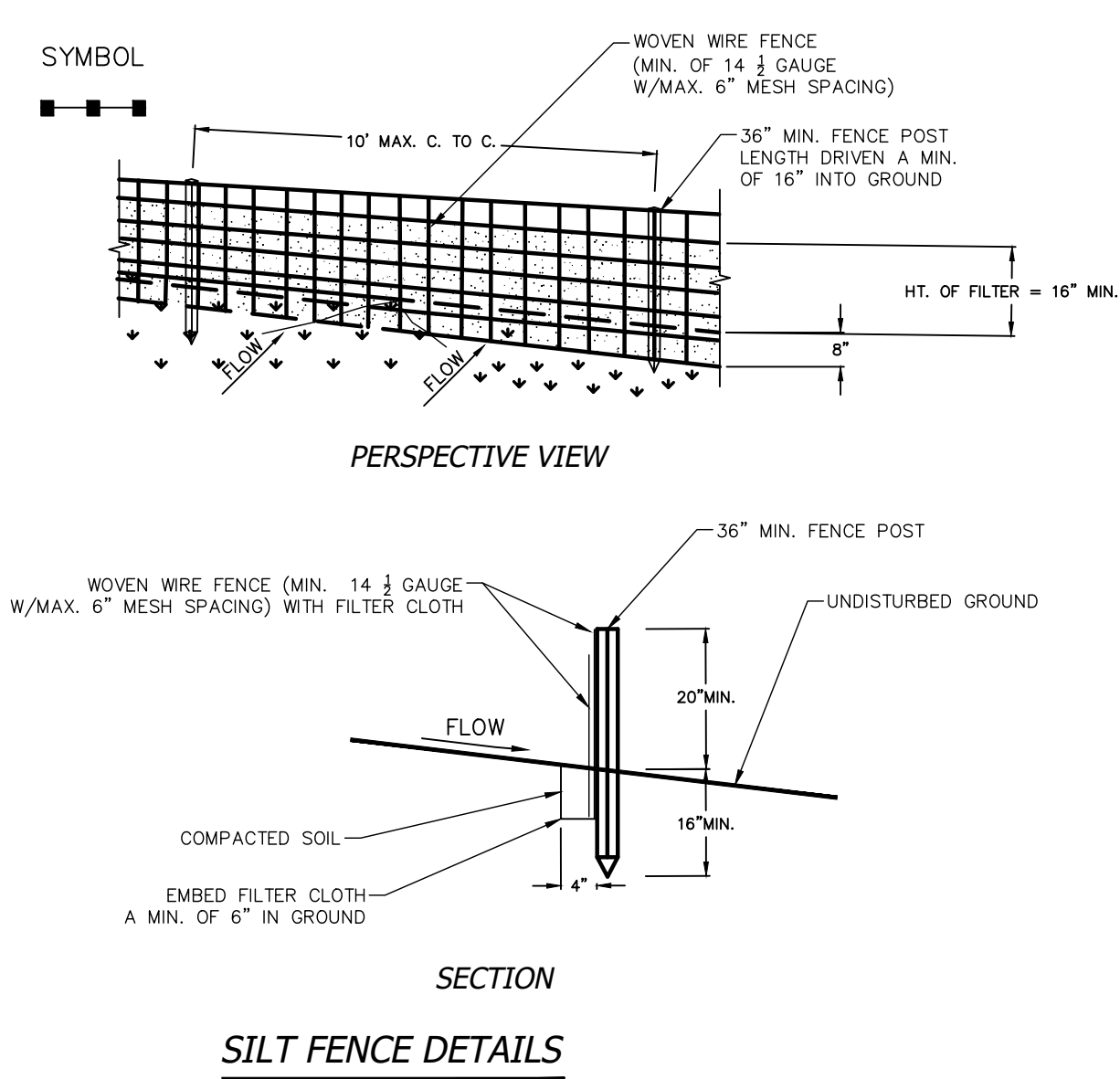


TOPSOIL STOCKPILE DETAIL
SCALE: NONE

- 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



- 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 SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE.
 - PRE-FABRICATED UNIT: GEOTAB, ENVIROFENCE, OR APPROVED EQUAL.

POSTS: STEEL - EITHER T OR U TYPE, OR 2" HARDWOOD
FENCE: WOVEN WIRE, 1/4\"/>

LANDGRADING SPECIFICATIONS

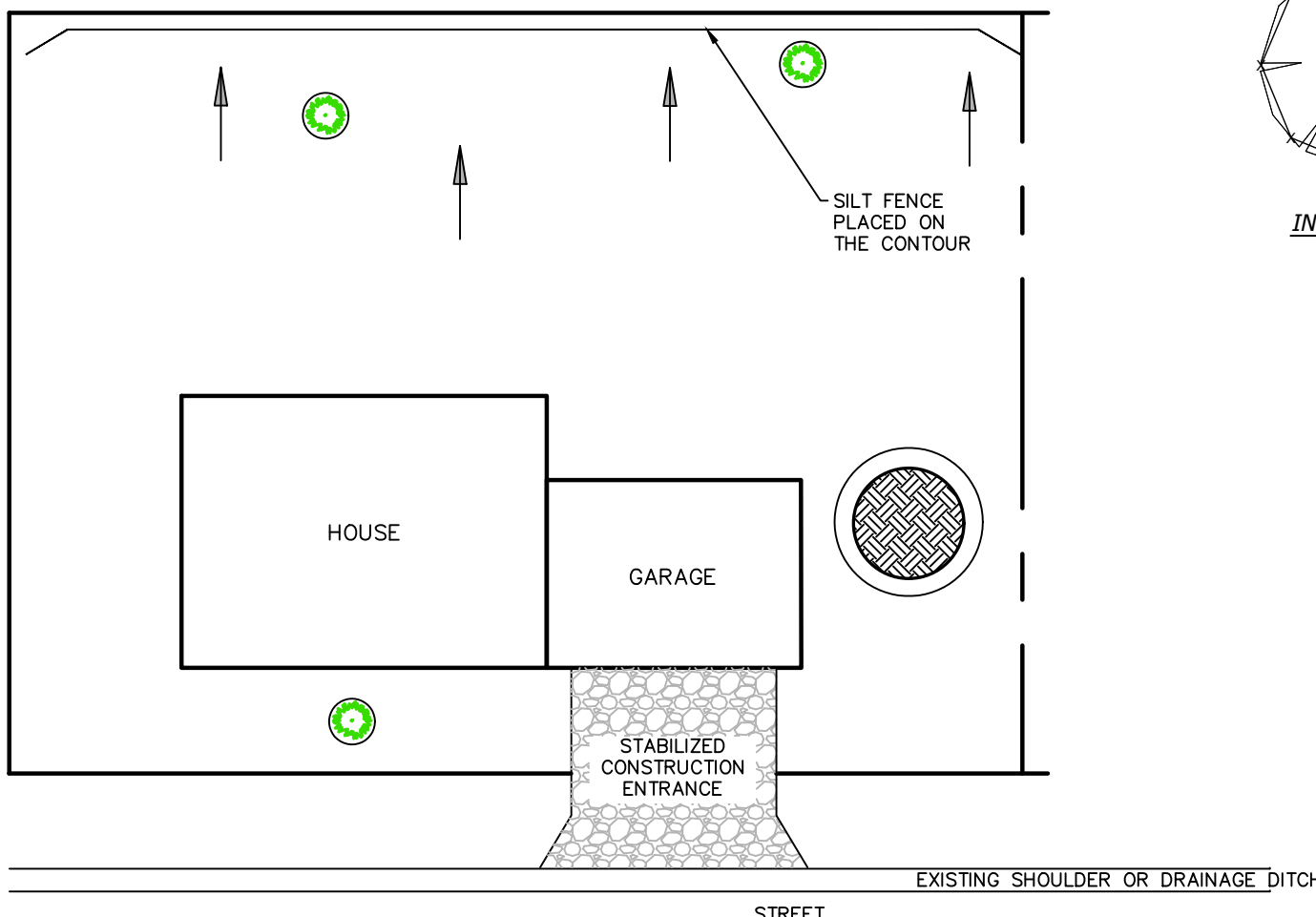
- ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION UNTIL THEY ARE PERMANENTLY STABILIZED.
- ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION 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 BE 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, MUDDY 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:

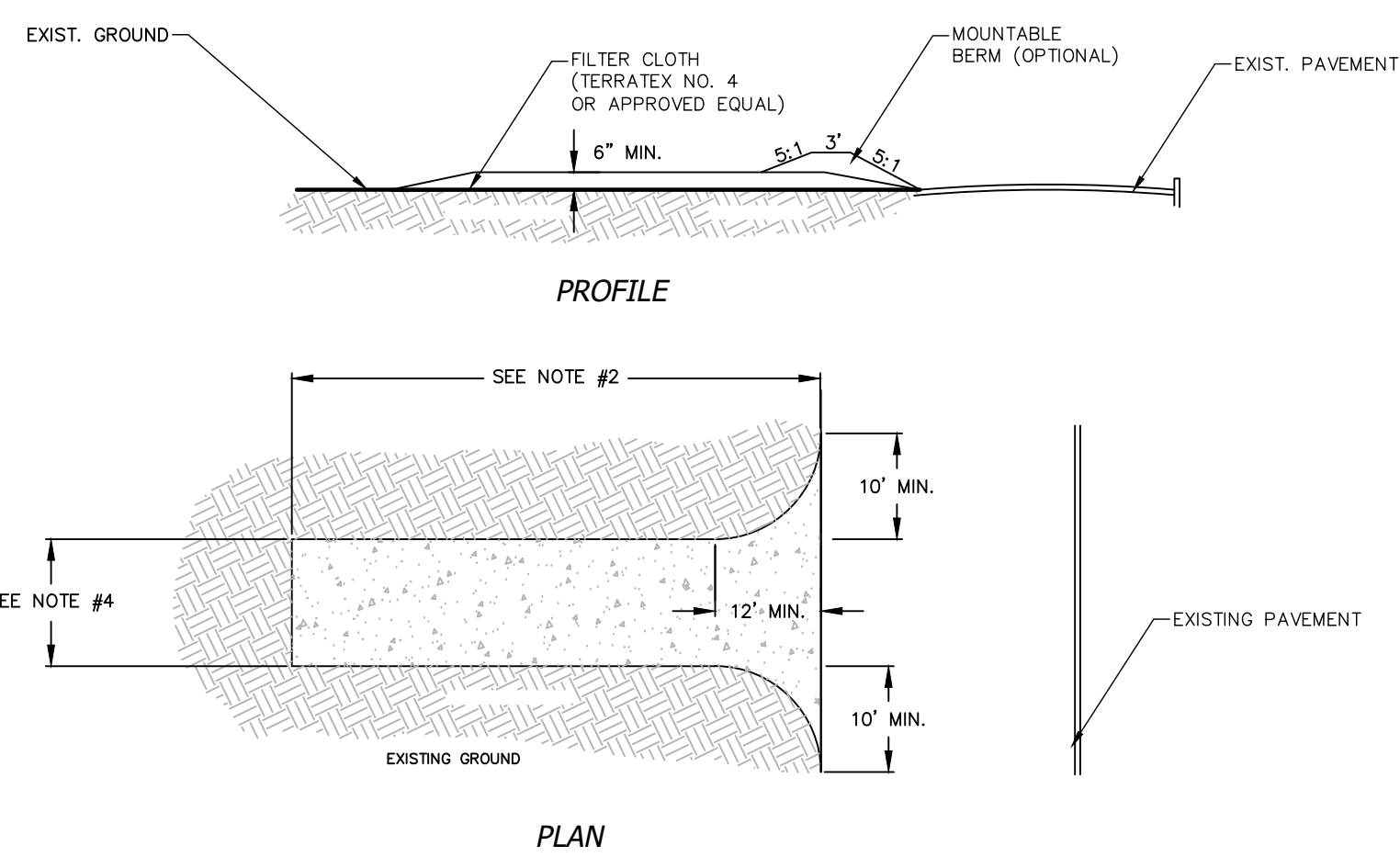
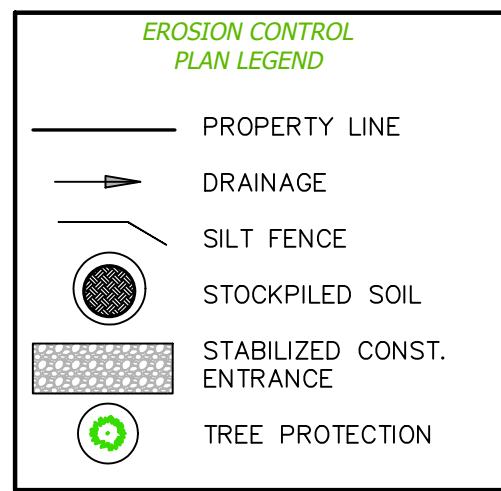
- INSTALL THE STABILIZED CONSTRUCTION ENTRANCES.
- PERFORM LIMITED CLEARING AND GRUBBING ACTIVITIES.
- PRIOR TO GRADING PHASE, EROSION AND SEDIMENT CONTROL MEASURES INCLUDING TEMPORARY SILT FENCES, DRAINAGE DIVERSION SWALES (IF REQUIRED), SEDIMENT TRAPS (IF REQUIRED) WILL BE INSTALLED.
- FOLLOWING THE 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

- SITE PREPARATION:
 - INSTALL NEEDED WATER AND EROSION CONTROL MEASURES AND BRING AREA TO BE SEEDED TO DESIRED GRADES USING A MINIMUM 1/4\"/>
- PLANTING - SUNNY LOCATIONS

USE A CULTPACKER TYPE SEEDER IF POSSIBLE. SEED TO A DEPTH OF 1/2 TO 1 INCH. IF SEED IS TO BE BROADCAST, CULTPACK OR ROLL AFTER SEEING IF HYDROSEDED. 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.	19-28 LBS./ACRE
10% FINE FESCUE	3.0-4.0 LBS./1,000 SQ. FT.	130-175 LBS./ACRE

OR,

100% TALL FESCUE	3.4-4.6 LBS./1,000 SQ. FT.	150-200 LBS./ACRE
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IF WHEN USING THE CULTPACKER OR BROADCAST SEED METHOD, MULCH USING SALT GRASS STRAW, APPLIED AT A RATE OF 2 TONS PER ACRE, AND ANCHOR WITH A NETTING OR TACKIFIER. HYDROSEDED 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

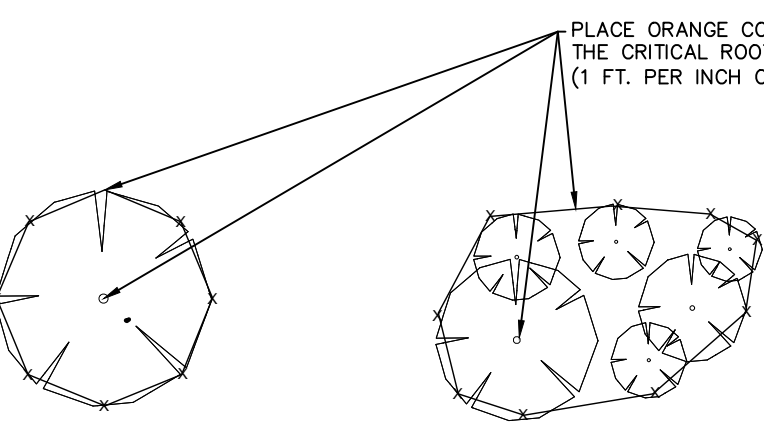
SEEDING SHALL BE APPLIED UNIFORMLY OVER THE DISTURBED AREA.

MULCHING:

ALL SEEDED AREAS WILL BE MULCHED.

MAINTENANCE:

CONTRACTOR SHALL MAINTAIN THE SEEDED AREAS UNTIL SUCH TIME AS THE TOWN OR OWNER ASSUMES RESPONSIBILITY.

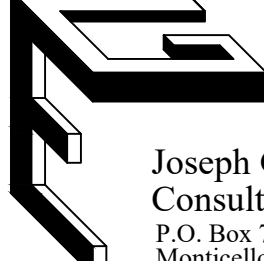


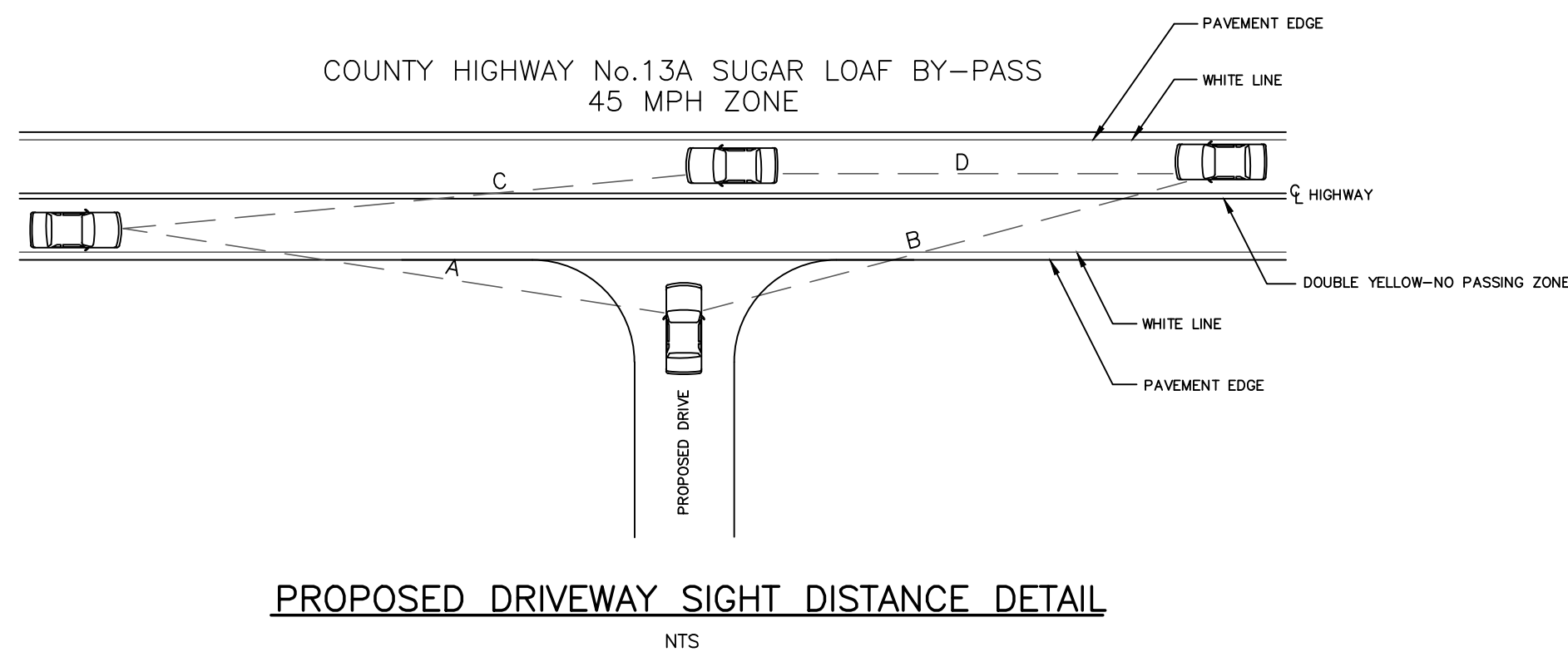
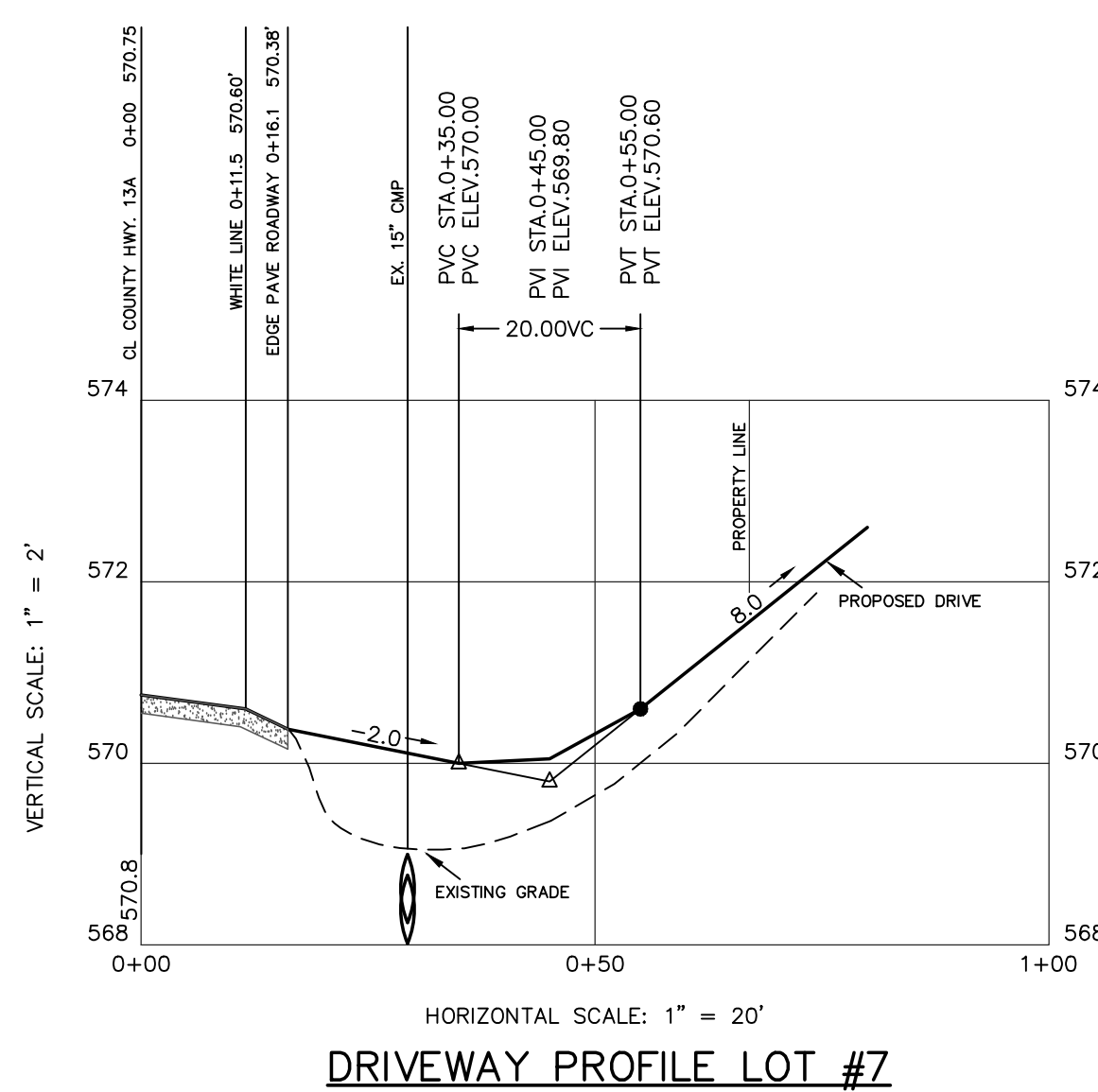
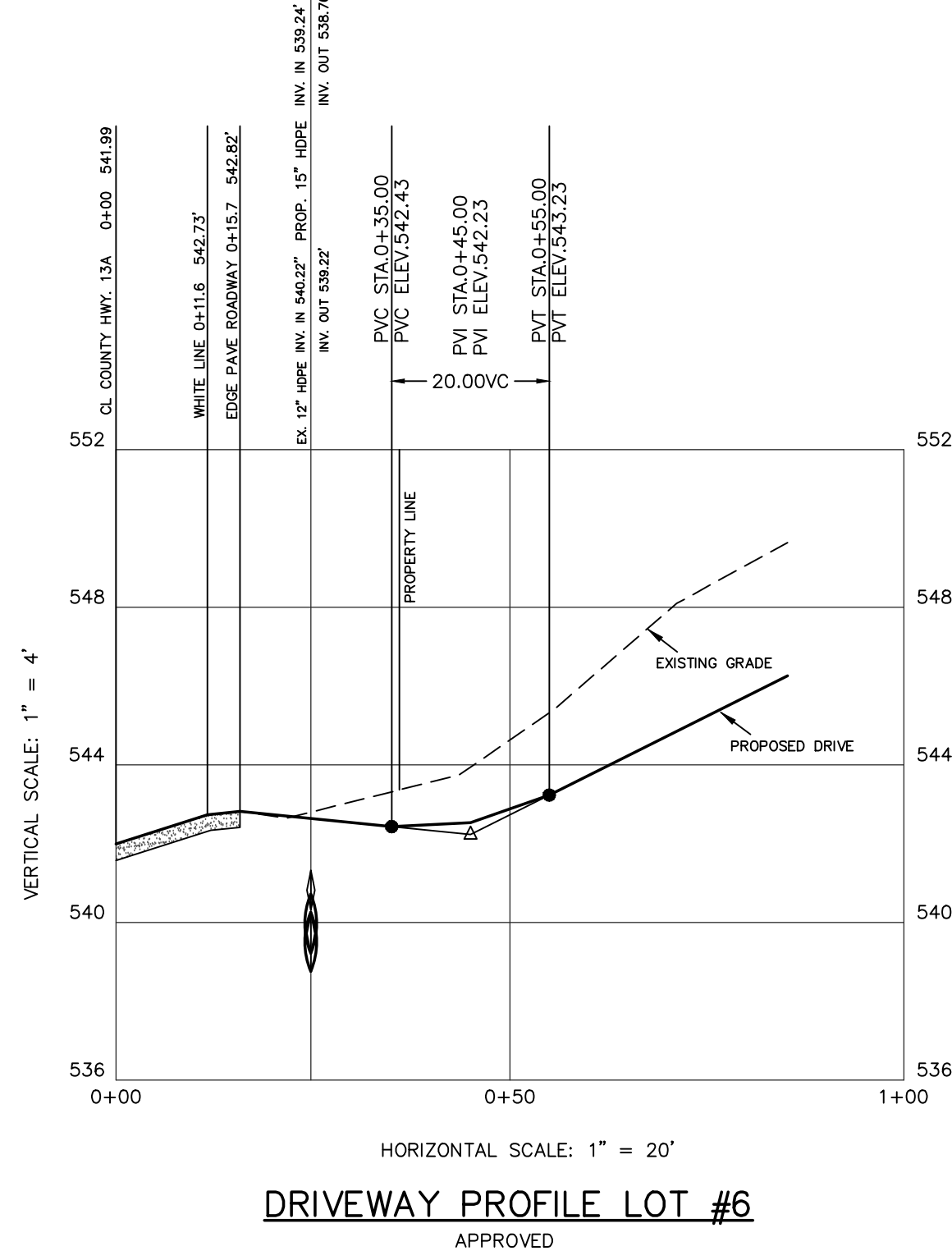
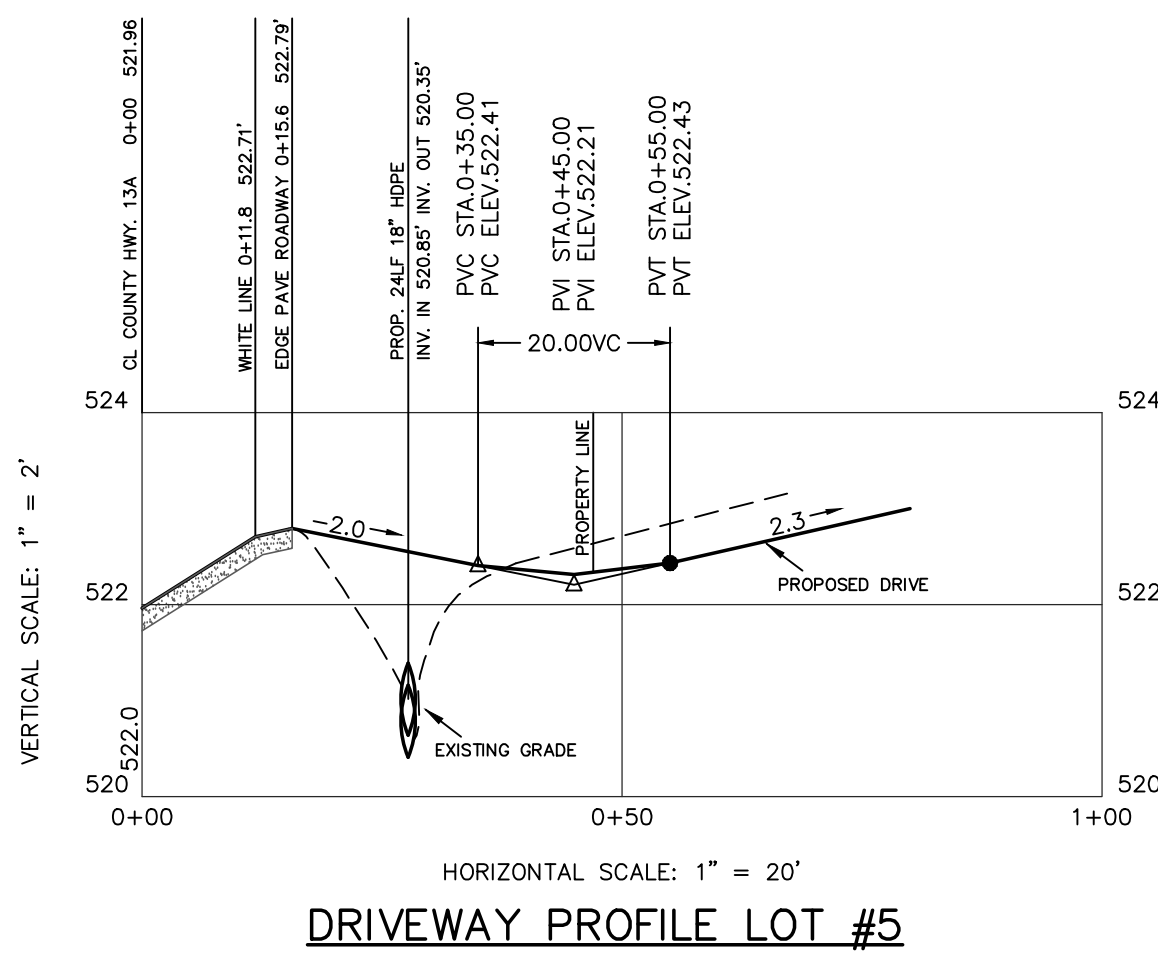
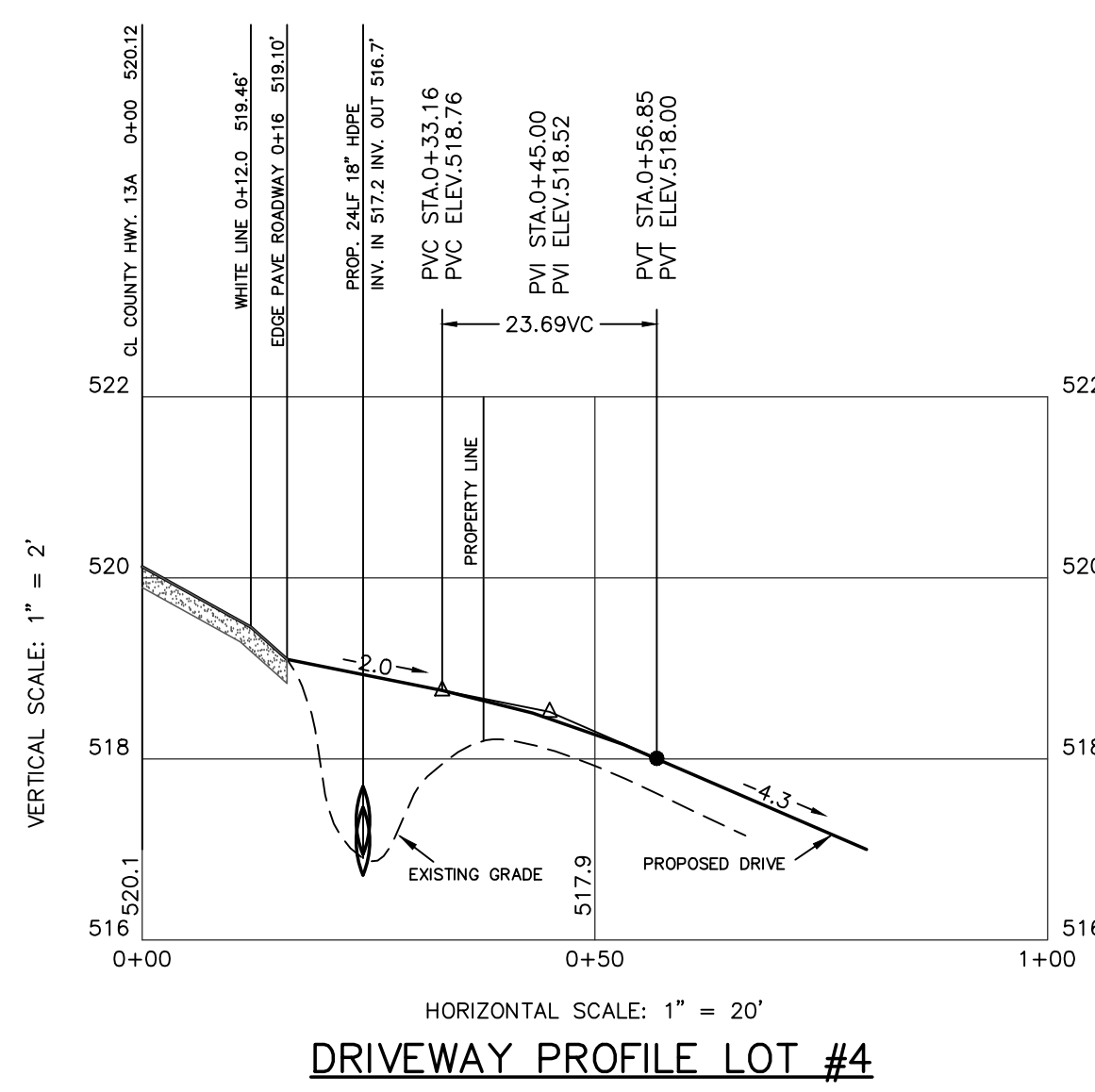
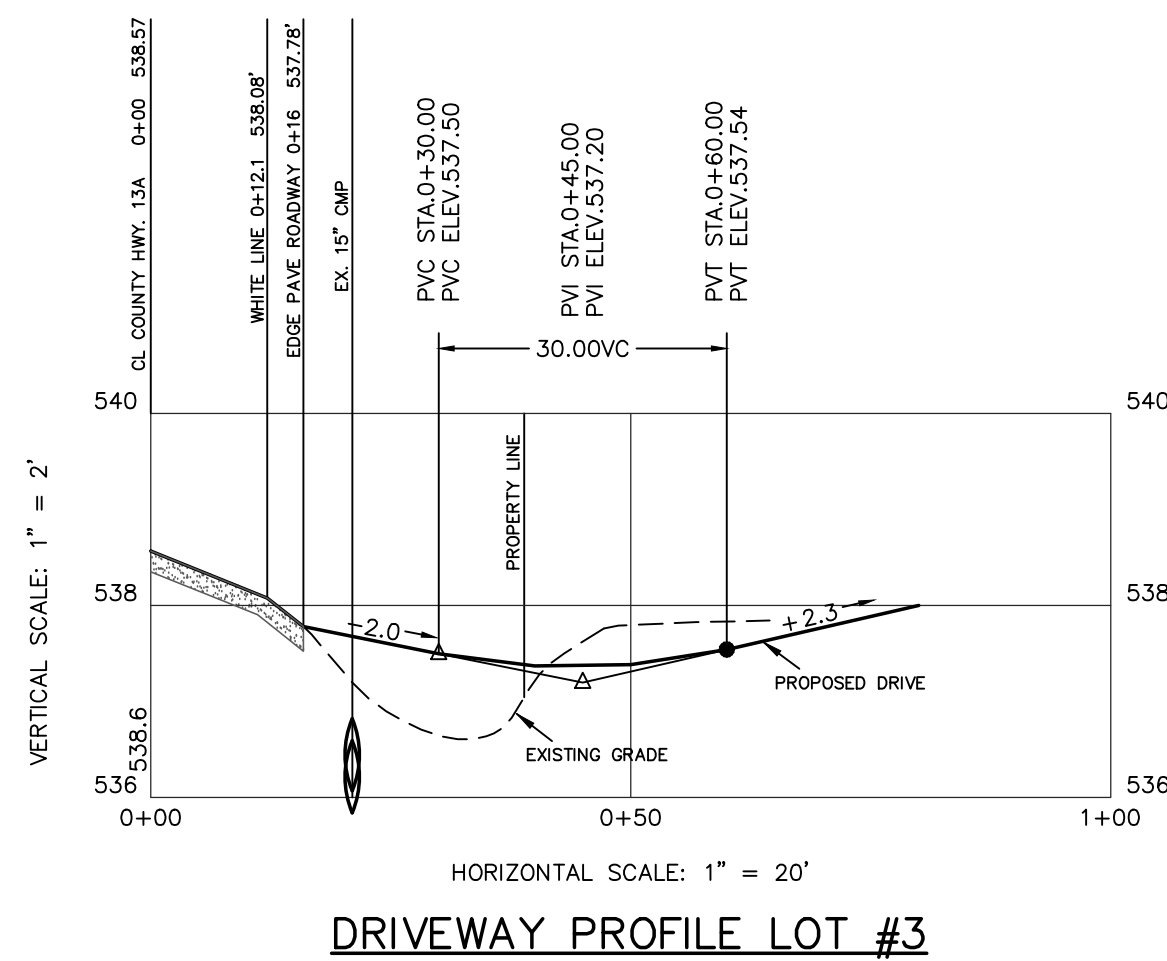
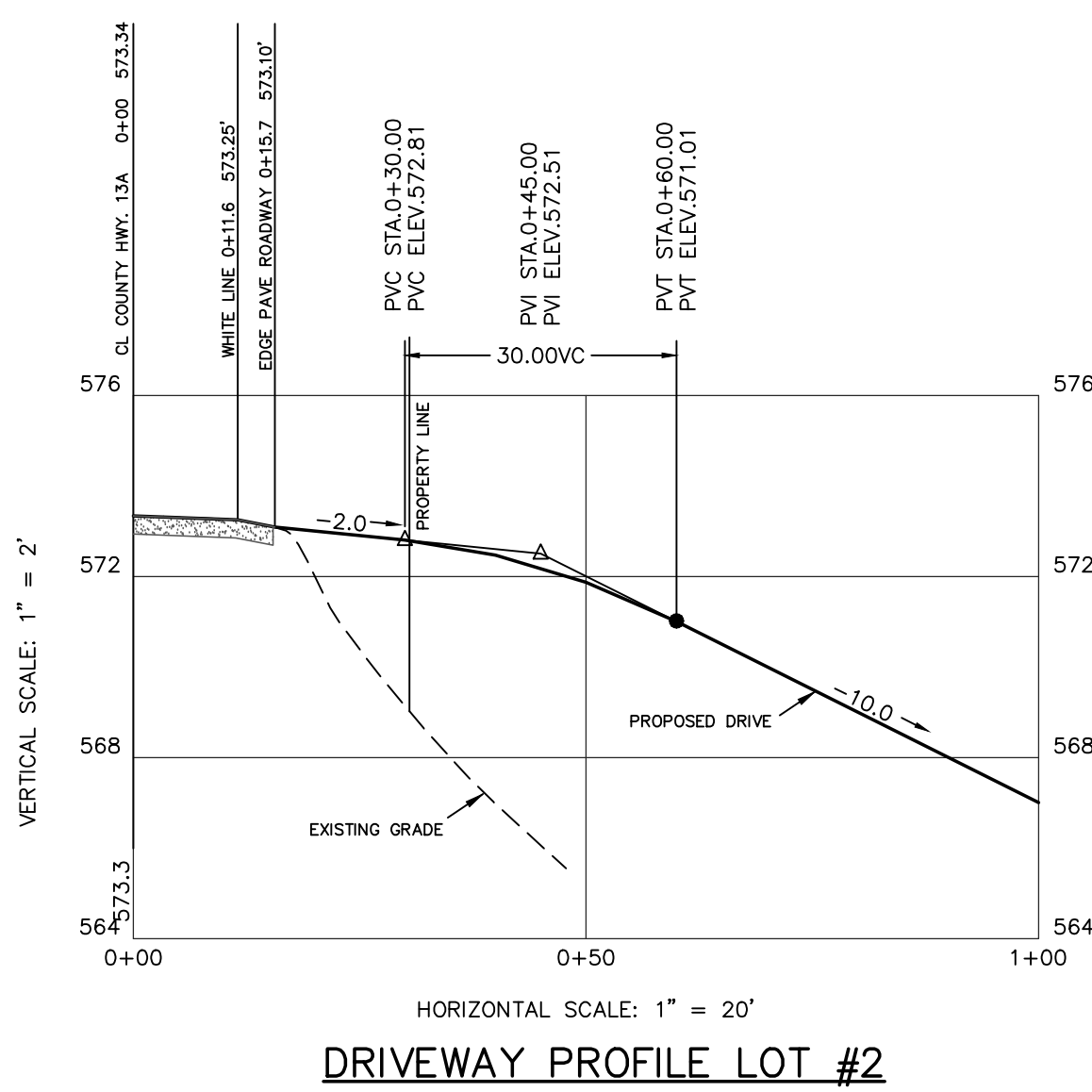
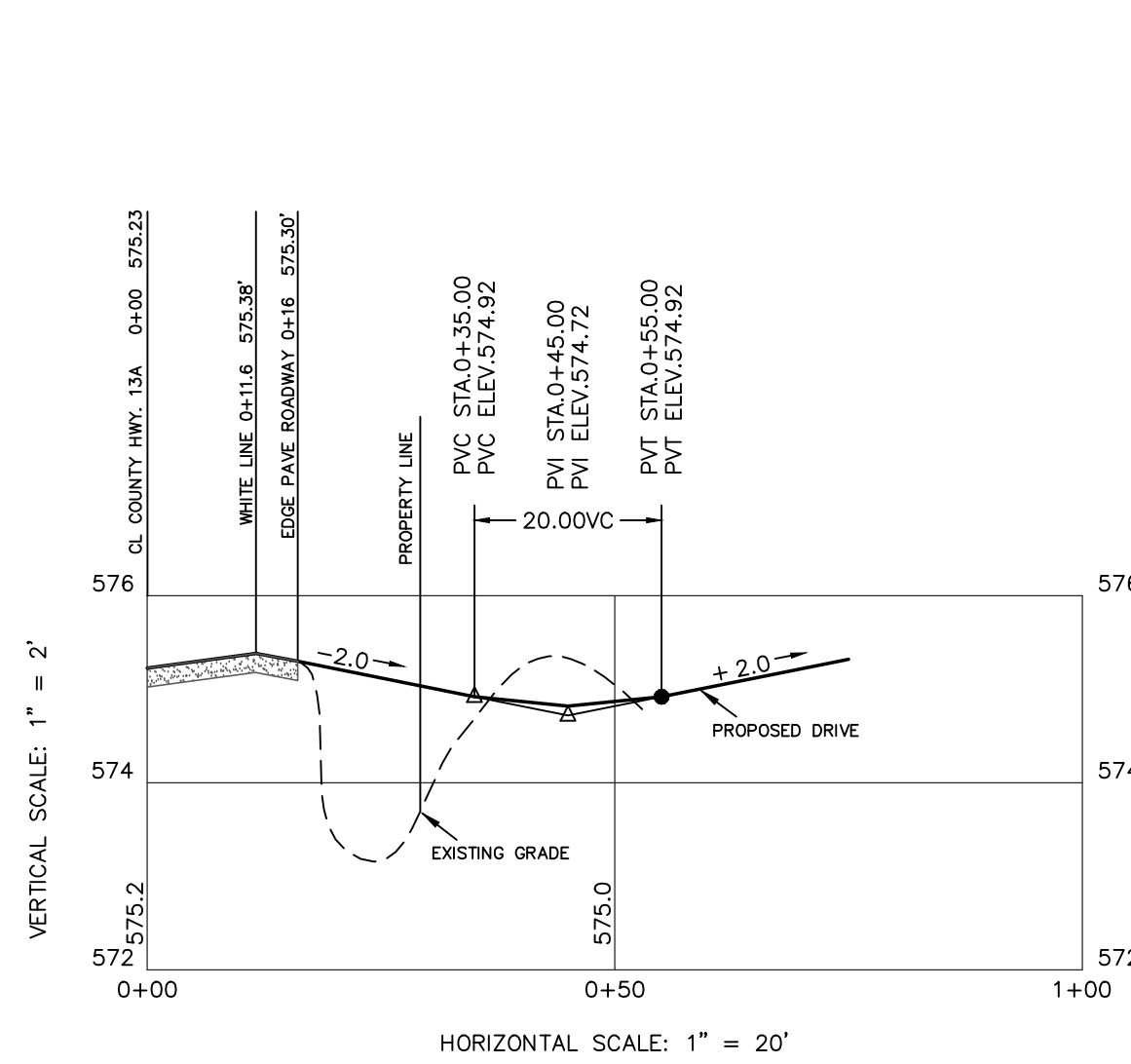
TREE PROTECTION DETAIL
SCALE: NONE

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.

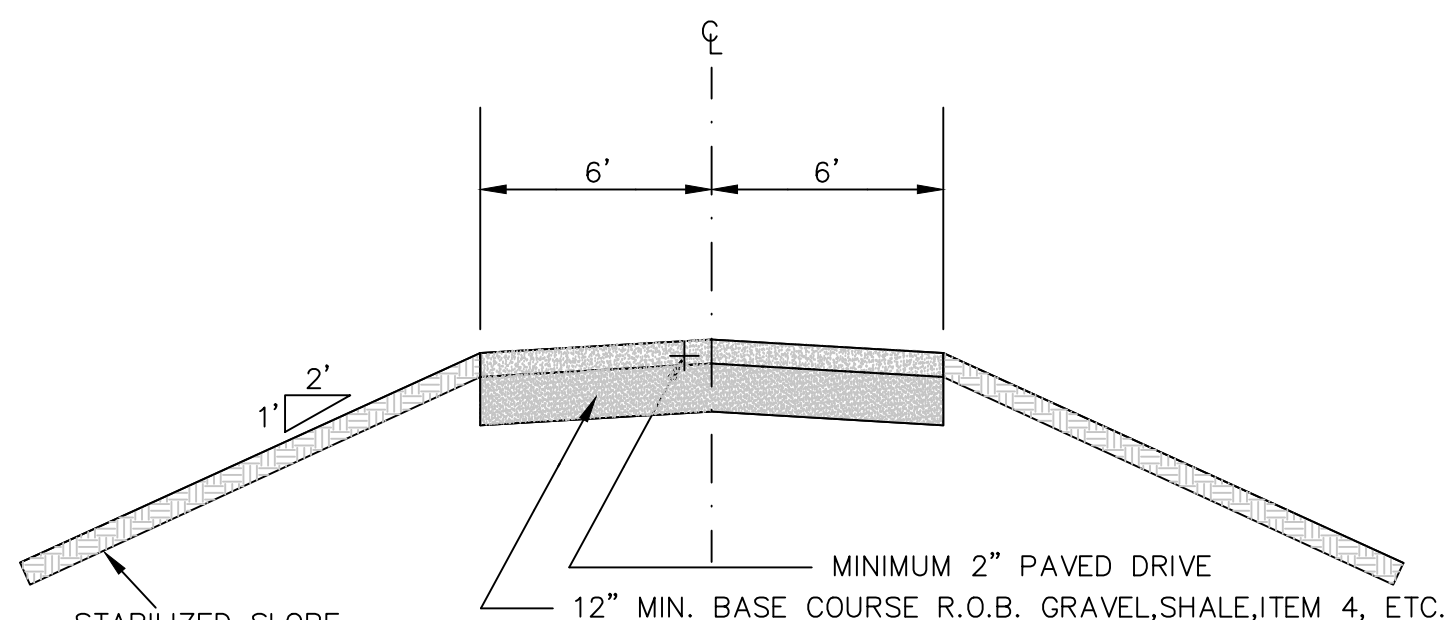
PLANS ARE INCOMPLETE/INVALID WITHOUT SHEETS 1-4 OF A ATTACHED, AND SHALL HAVE AN ORIGINAL SEAL AND SIGNATURE OF THE ENGINEER AFFIXED TO EACH PLAN SHEET.

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

REVISION	DATE	DESCRIPTION
 Phone: 845.794.5506 FAX: 845.794.5520 E-Mail: gottlieb@verizon.net 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: CHECKED BY: JWG SCALE: AS SHOWN DRAWING NO:		
20-116		6 of 7

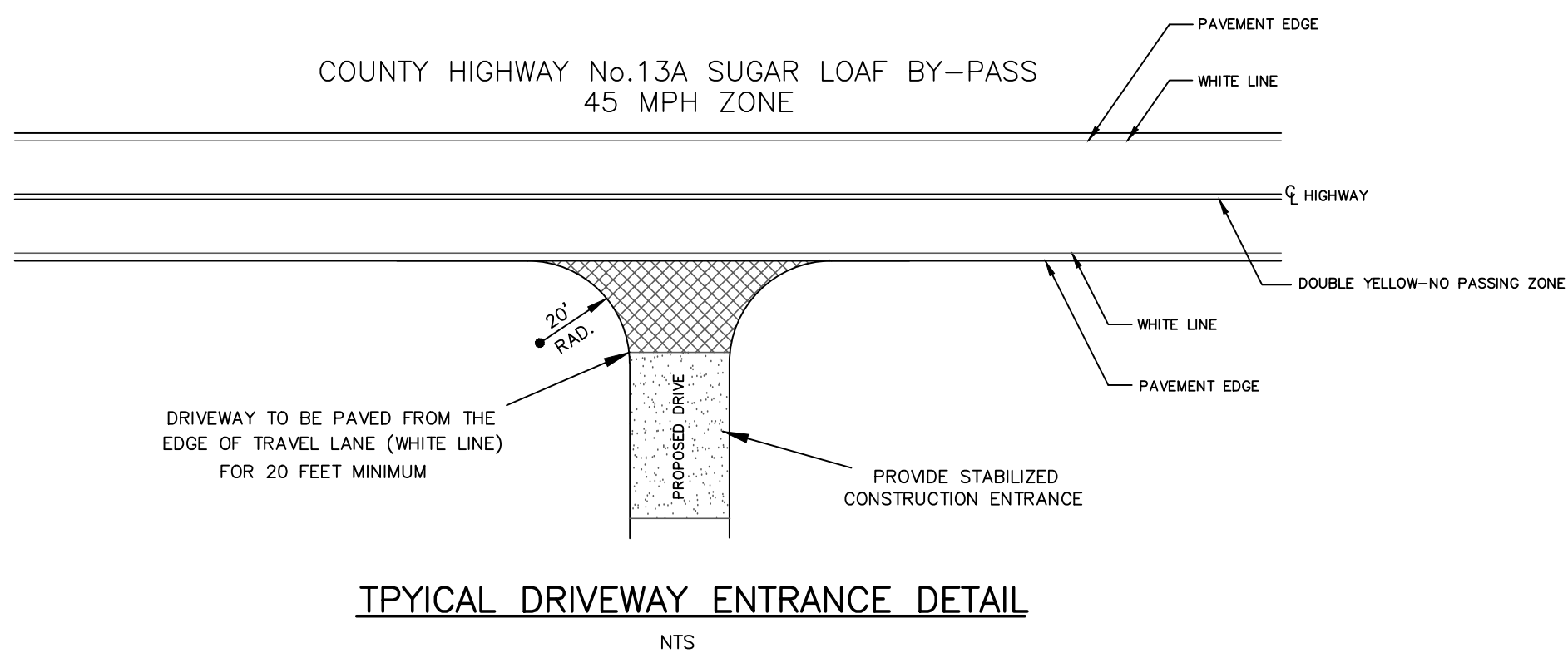


SIGHT DISTANCES						
LOT 1	LOT 2	LOT 3	LOT 4	LOT 5	LOT 6	LOT 7
A 500'+	A 500'+	A 500'+	A 500'+	A 500'+	A 500'+	A 400'+
B 470' TO INTERSEC.	B 370'+	B 500'+	B 500'+	B 500'+	B 500'+	B 500'+
C 500'+	C 500'+	C 500'+	C 500'+	C 500'+	C 500'+	C 400'+
D 470'	D 370'+	D 500'+	D 500'+	D 500'+	D 500'+	D 500'+



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.



TYPICAL DRIVEWAY ENTRANCE DETAIL

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.

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