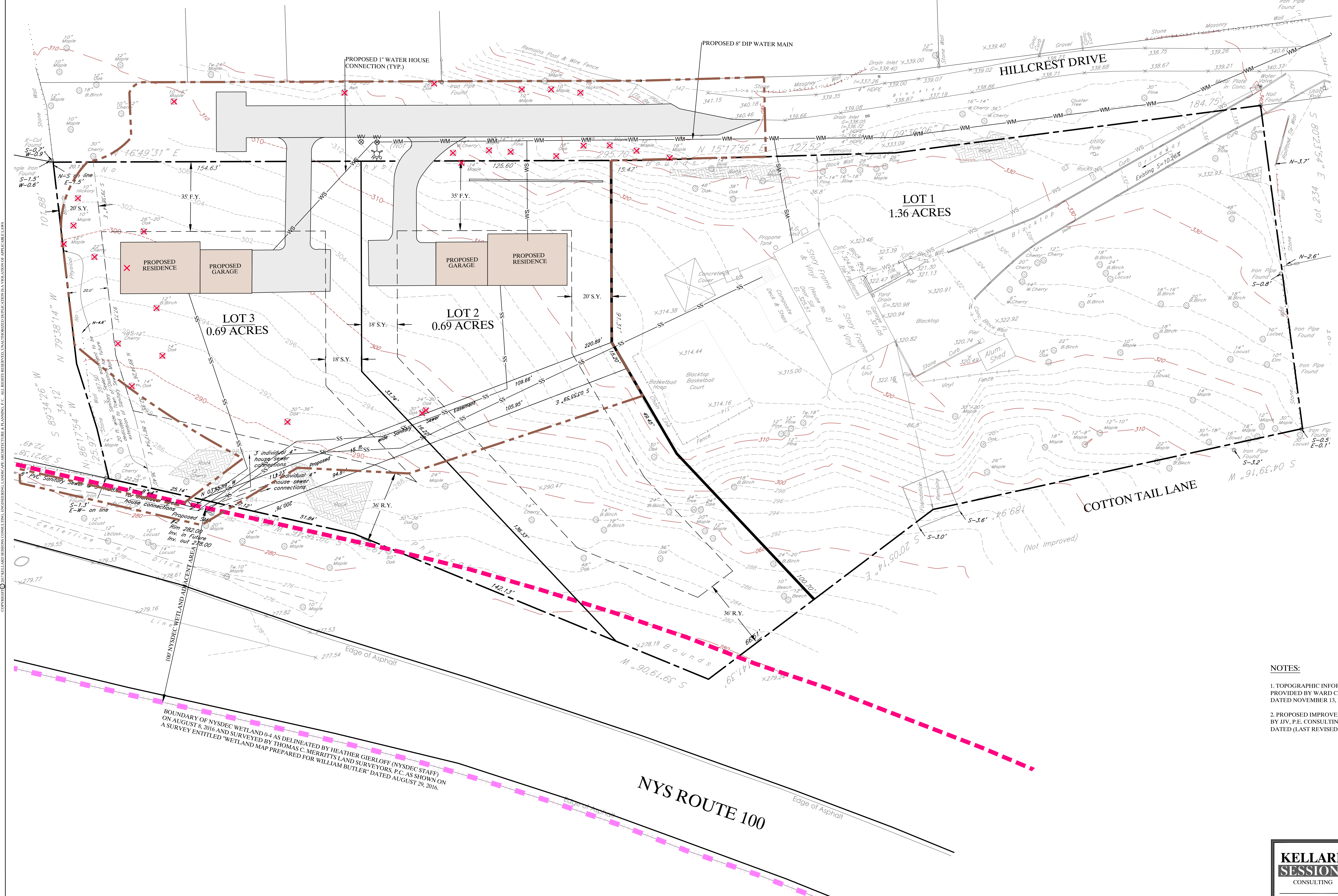


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SITE DATA

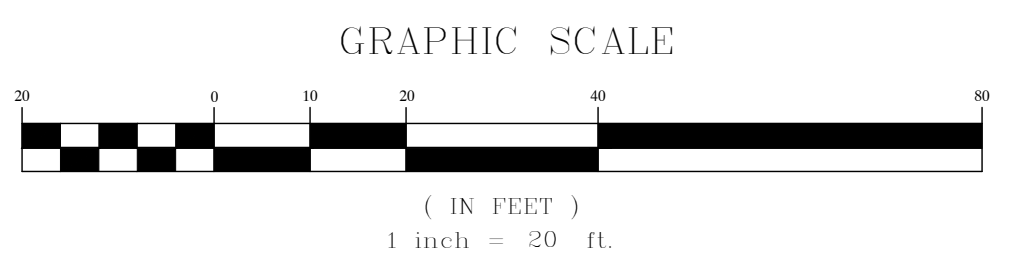
SITE LOCATION:	2 HILLCREST DRIVE OSSINING, NY 10562
OWNER/APPLICANT:	WILLIAM BUTLER
SITE AREA:	2.54 ACRES
ZONING DISTRICT:	R-30

TREES TO BE REMOVED

1. 24\"/>

NOTES:

1. TOPOGRAPHIC INFORMATION AS SHOWN ON THIS PLAN WAS PROVIDED BY WARD CARPENTER ENGINEERS, INC. FROM A MAP DATED NOVEMBER 13, 2013.
2. PROPOSED IMPROVEMENTS SHOWN TAKEN FROM A MAP PREPARED BY JIV, P.E. CONSULTING ENGINEERING AND SITE DEVELOPMENT DATED (LAST REVISED) SEPTEMBER 3, 2015.



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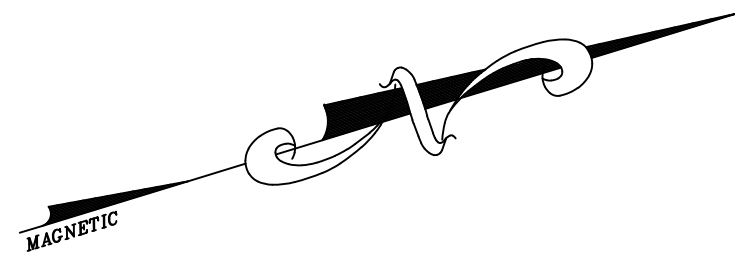
PREVIOUS THREE (3) - LOT
SUBDIVISION LAYOUT
WILLIAM BUTLER SUBDIVISION

TOWN OF OSSININGWESTCHESTER COUNTY, NEW YORK

1.	OCTOBER 23, 2017 - TOWN ENGINEER/PB COMMENTS	PROJECT LD: BLR100	
2.	OCTOBER 10, 2017 - ZBA COMMENTS		DATE: APRIL 10, 2017
3.	JUNE 13, 2017		

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Point of View
Fence

DEER
TRAIL

APPROXIMATE
LOCATION OF
EXISTING HYDRANT

HILLCREST DRIVE

COTTON TAIL LANE

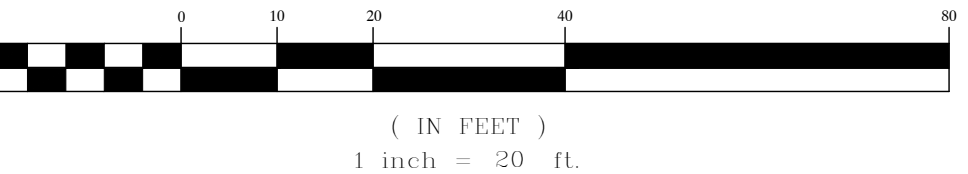
LEGEND

- EXISTING PROPERTY LINE
- SLOPES 15-25%
- SLOPES 25-35%
- SLOPES GREATER 35%
- PROPOSED PROPERTY LINE
- SETBACK LINE
- APPROXIMATE LOCATION OF EXISTING SEPTIC SYSTEM
- POTENTIAL HOUSE DEVELOPMENT AREA
- DEEP TEST LOCATION
- PERCOLATION TEST LOCATION
- EXISTING TREE

NOTES:

1. TOPOGRAPHIC INFORMATION AS SHOWN ON THIS PLAN WAS PROVIDED BY WARD CARPENTER ENGINEERS, INC. FROM A MAP DATED NOVEMBER 13, 2013.

GRAPHIC SCALE



DEEP TEST PIT RESULTS			3/22/2017
TEST PIT	DEPTH FROM SURFACE (INCH)	SOIL DESCRIPTION	
TP-1	0'-8" 8'-24" 24'-50"	TOPSOIL SILTY LOAM SILTY CLAY LOAM LEDGE @ 50'	
TP-2	0'-8" 8'-18" 18'-78"	TOPSOIL SILTY SANDS SILTY W/ COBBLES LEDGE @ 78"	
TP-3	0'-6" 6'-24" 24'-60"	TOPSOIL SILTY SANDS TIGHT COMPACT GRAY/TAN SILTY LOAM LEDGE @ 60'	
TP-4	0'-6" 6'-24" 24'-60"	TOPSOIL SILTY SANDS TIGHT COMPACT GRAY/TAN SILTY LOAM LEDGE @ 60'	
TP-5	0'-6" 6'-20" 20'-72"	TOPSOIL SANDY LOAM GRAY SILTY SANDS W/ COBBLES AND BOULDERS LEDGE @ 72"	
TP-6	0'-6" 6'-20" 20'-72"	TOPSOIL GRAY SILTY SANDS W/ COBBLES AND BOULDERS WATER SEEP	
TP-7	0'-6" 6'-48" 48'-63" 63'-84"	TOPSOIL TIGHT COMPACT SANDY SILTS MEDIUM FINE SANDS LEDGE SLOPES	
TP-8	0'-6"	TOPSOIL LEDGE @ 36'	

TP-9	0'-6" 6'-36" 36'-96"	TOPSOIL SANDY LOAM MIX SANDS AND GRAVEL (BANKRUN)
TP-10	0'-6" 6'-24" 24'-70"	TOPSOIL SANDY LOAM FINE SANDS LEDGE @ 70'
TP-11	0'-18" 18'-42" 42'-102"	TOPSOIL SANDY LOAM GRAY/BROWN MIX SANDS NO LEDGE, NO WATER
TP-12	0'-12" 12'-24" 24'-108"	TOPSOIL SANDY LOAM GRAY FINE TO MEDIUM SANDS NO LEDGE, NO WATER
TP-13	0'-6"	TOPSOIL WATER SEEP @ 30'
TP-14	0'-28" 28'-40"	TOPSOIL SILTY LOAM CLAY WATER SEEP @ 40'
TP-15	0'-6" 6'-24" 24'-96"	TOPSOIL SANDY LOAM MEDIUM FINE SANDS W/ STONES
TP-16	0'-6" 6'-20" 20'-84"	TOPSOIL SANDY LOAM FINE SANDS W/ SILTS W/ STONES
TP-17	0'-6" 6'-24" 24'-92"	TOPSOIL SANDY LOAM MEDIUM FINE SANDS W/ STONES, BOULDER AND BROKEN ROCKS LEDGE @ 92'

PERCOLATION TEST RESULTS			3/22/17
PERC HOLE #	PERC RATE		
P1	6.0 MIN/INCH		
P2	6.67 MIN/INCH		
P3	15.0 MIN/INCH		
P4	2.0 MIN/INCH		

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**SITE FEATURES AND OPPORTUNITIES
PLAN**

WILLIAM BUTLER SUBDIVISION

TOWN OF OSSING WESTCHESTER COUNTY, NEW YORK

2
12

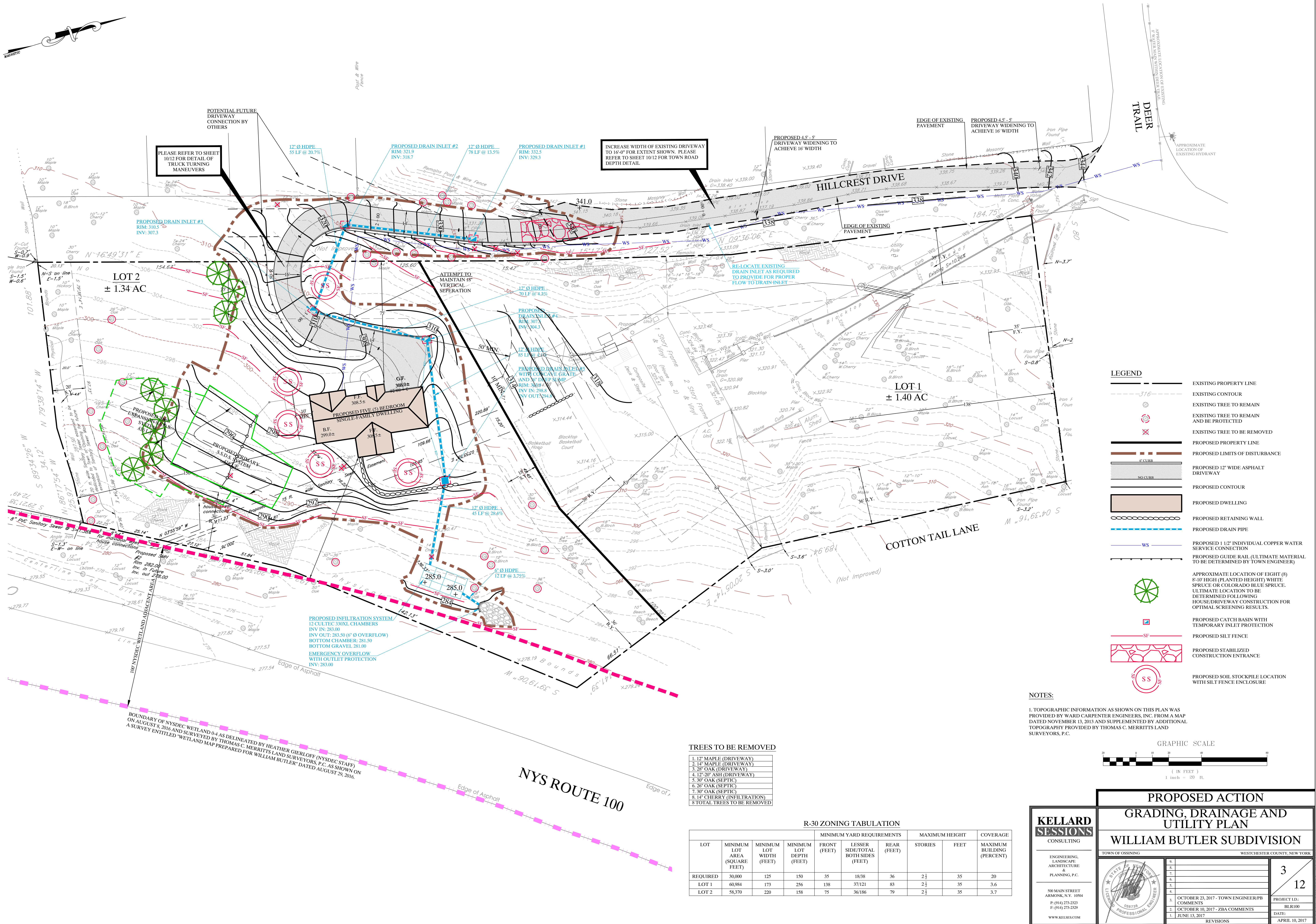
PROJECT I.D.: BLR100
DATE: APRIL 10, 2017

REVISIONS

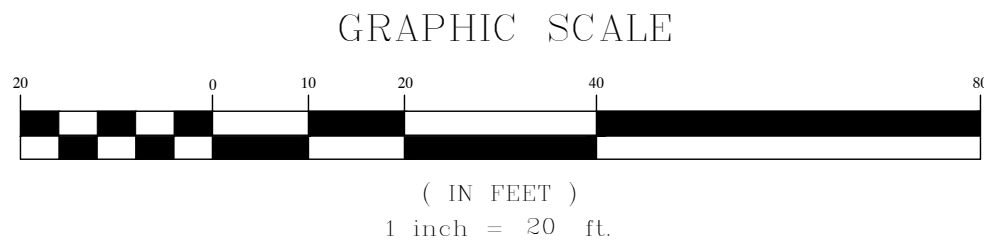
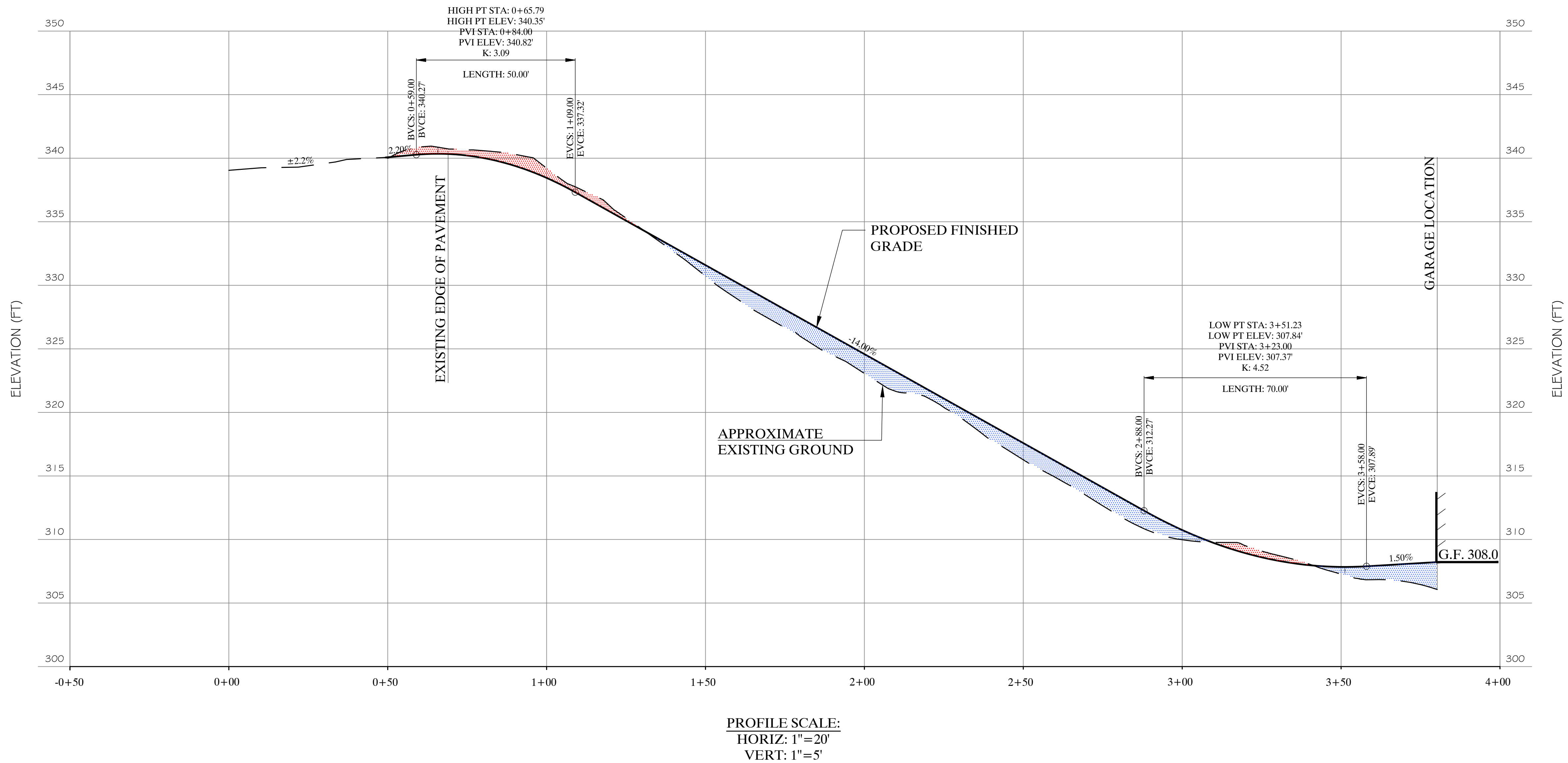
1.	JUNE 13, 2017	
2.	OCTOBER 10, 2017	TOWN ENGINEER/PB COMMENTS
3.	OCTOBER 10, 2017	ZBA COMMENTS

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PROPOSED ACTION

DRIVEWAY PROFILE

WILLIAM BUTLER SUBDIVISION

TOWN OF OSSININGWESTCHESTER COUNTY, NEW YORK

9

8

7

6

5

4

3

2

1

OCTOBER 23, 2017 - TOWN ENGINEER/PB COMMENTS

OCTOBER 10, 2017 - ZBA COMMENTS

JUNE 13, 2017

REVISIONS

PROJECT ID:

BLR100

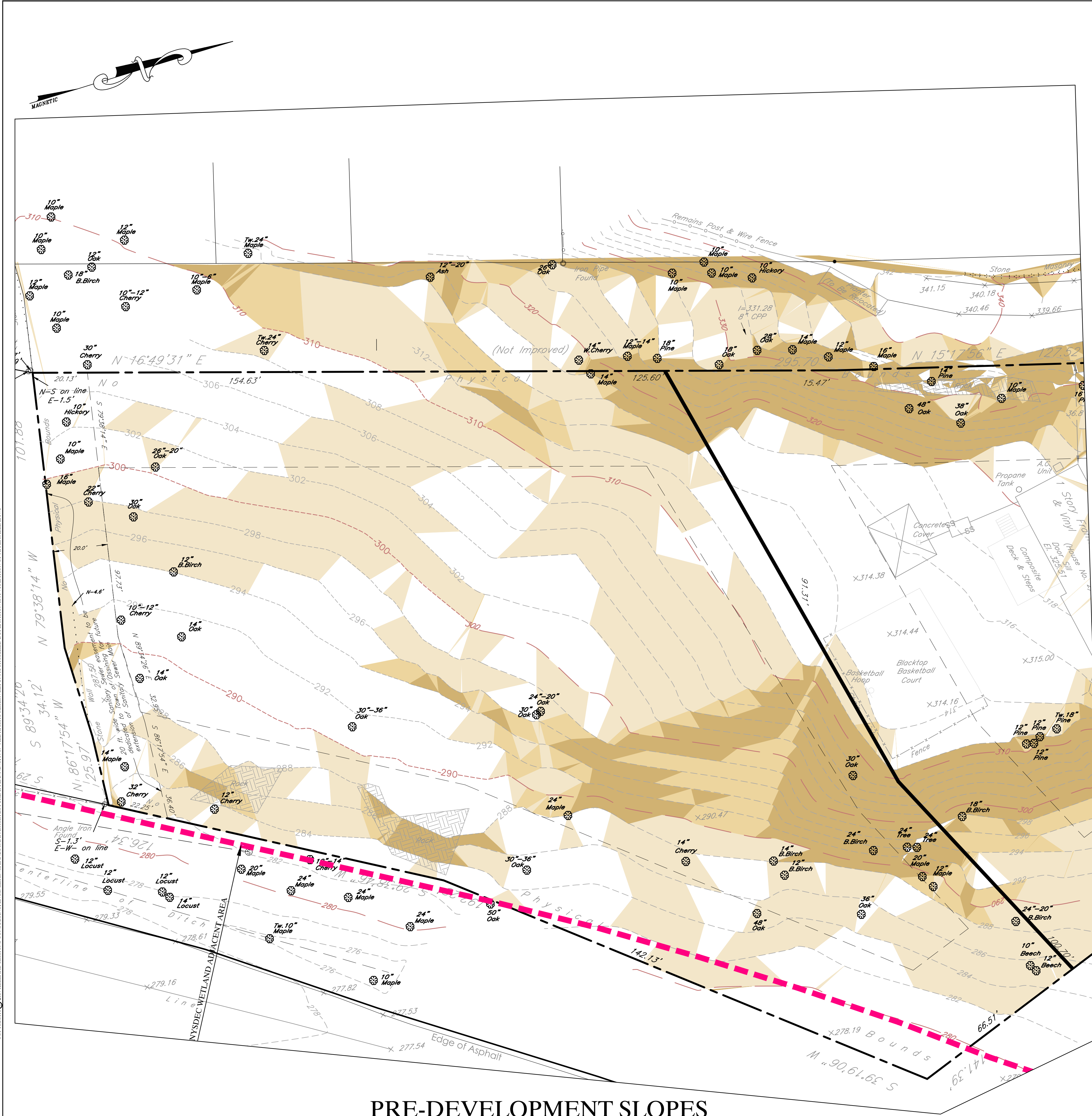
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APRIL 10, 2017

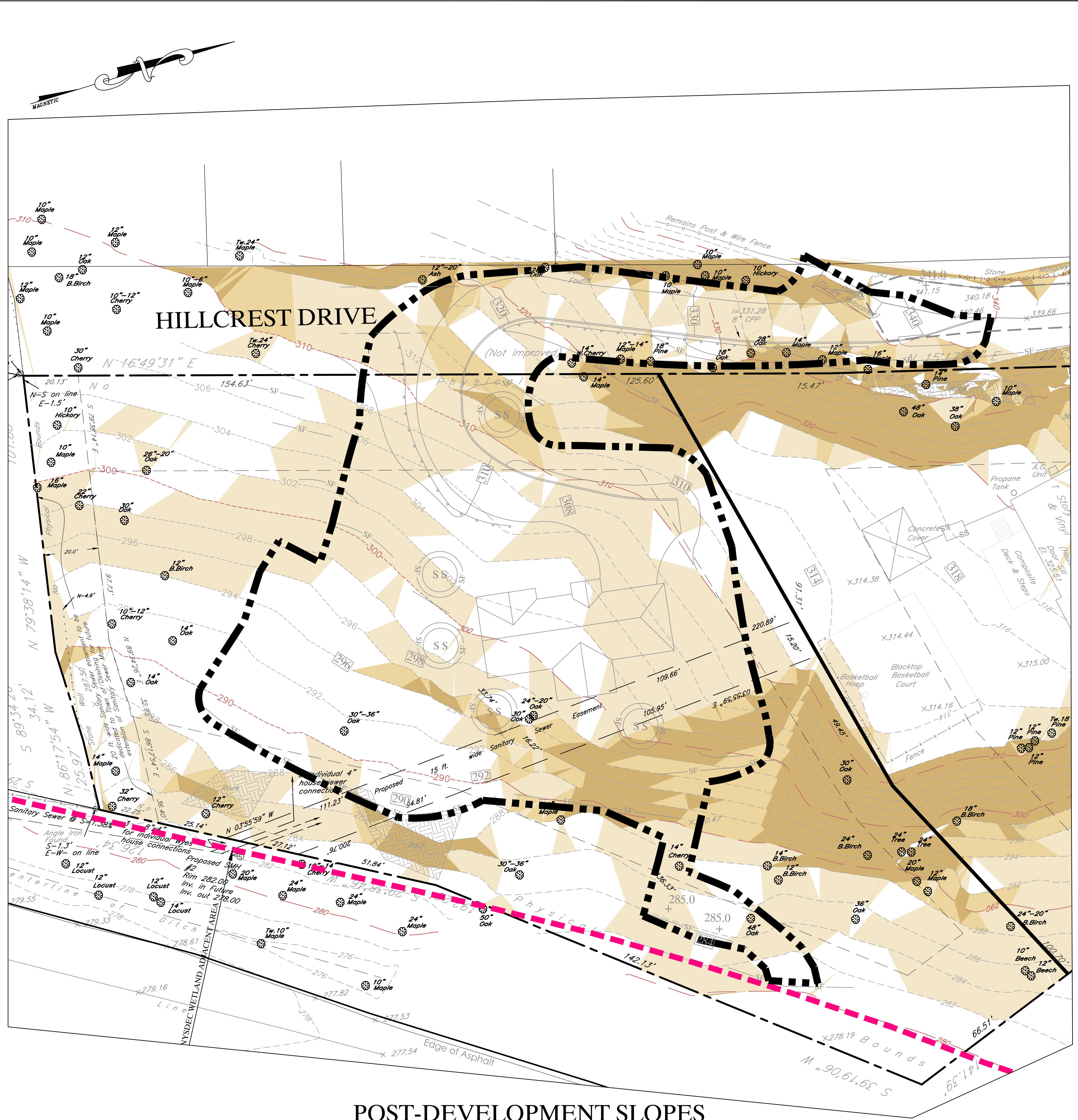
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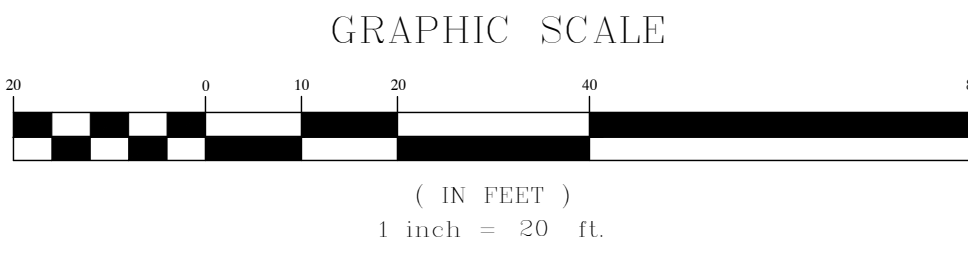
PRE-DEVELOPMENT SLOPES



POST-DEVELOPMENT SLOPES

NOTES:

1. TOPOGRAPHIC INFORMATION AS SHOWN ON THIS PLAN WAS PROVIDED BY WARD CARPENTER ENGINEERS, INC. FROM A MAP DATED NOVEMBER 13, 2013.



LEGEND

- EXISTING PROPERTY LINE
- SLOPES 15-25%
- SLOPES 25-35%
- SLOPES GREATER 35%
- PROPOSED PROPERTY LINE
- LIMIT OF DISTURBANCE
- EXISTING TREE

SLOPE DISTURBANCE	
15 - 25% SLOPES	12,002 SF
25 - 35% SLOPES	2,609 SF
35% SLOPES OR GREATER	2,017 SF

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SLOPES DISTURBANCE PLAN
WILLIAM BUTLER SUBDIVISION

TOWN OF OSSING

WESTCHESTER COUNTY, NEW YORK

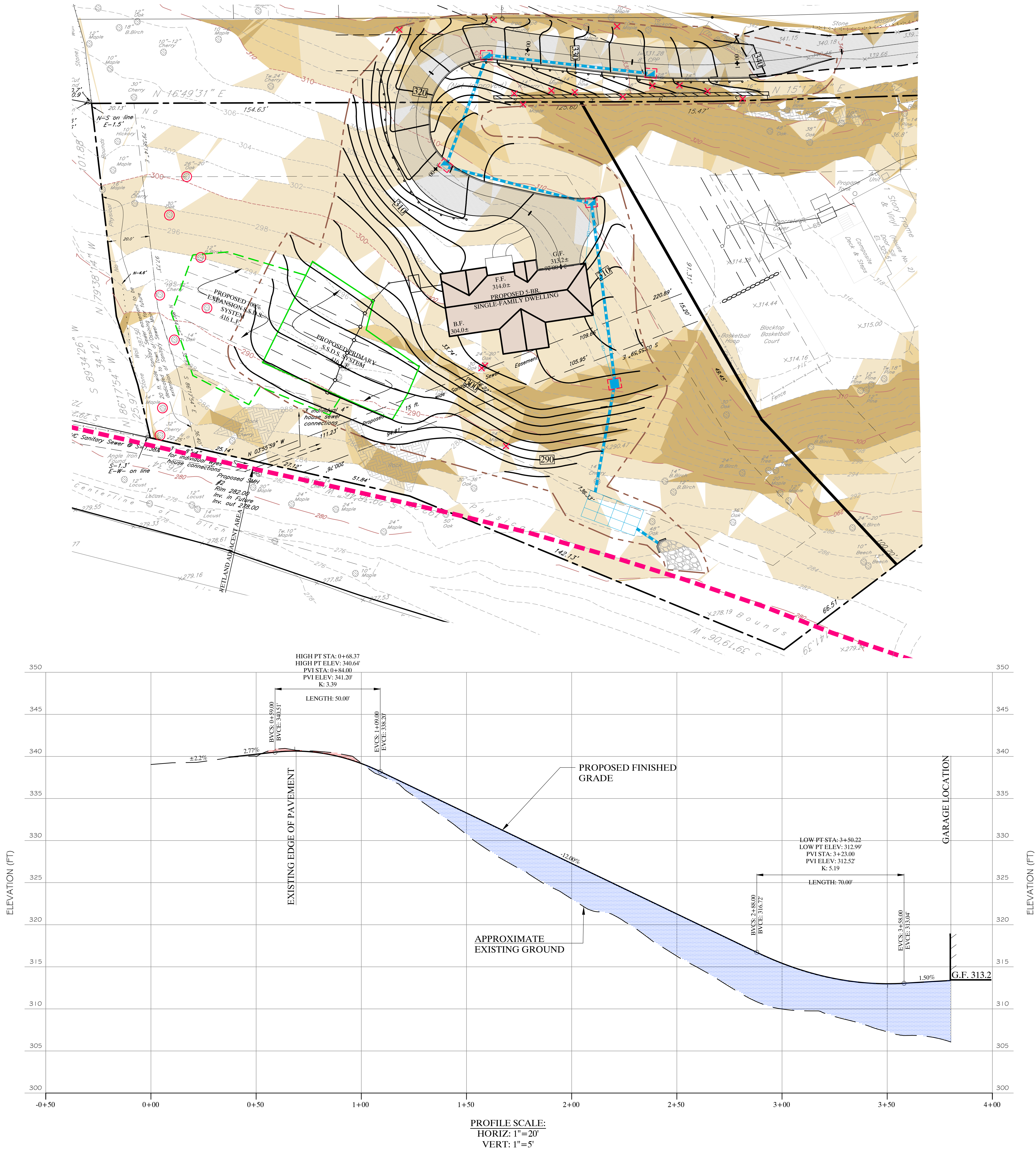
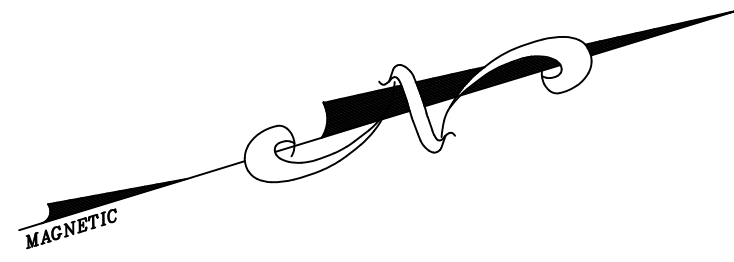


REVISIONS	DATE
1. JUNE 13, 2017	APRIL 10, 2017
2. OCTOBER 10, 2017 - ZBA COMMENTS	
3. OCTOBER 23, 2017 - TOWN ENGINEER/PB COMMENTS	

5
12

PROJECT LD:
BLR100
DATE:
APRIL 10, 2017

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ALTERNATIVE "A"
**12 PERCENT DRIVEWAY GRADE
SITE PLAN AND PROFILE**
WILLIAM BUTLER SUBDIVISION

TOWN OF OSSINGWESTCHESTER COUNTY, NEW YORK

1.	JUNE 13, 2017
2.	OCTOBER 10, 2017 - ZBA COMMENTS
3.	OCTOBER 23, 2017 - TOWN ENGINEER/PB COMMENTS

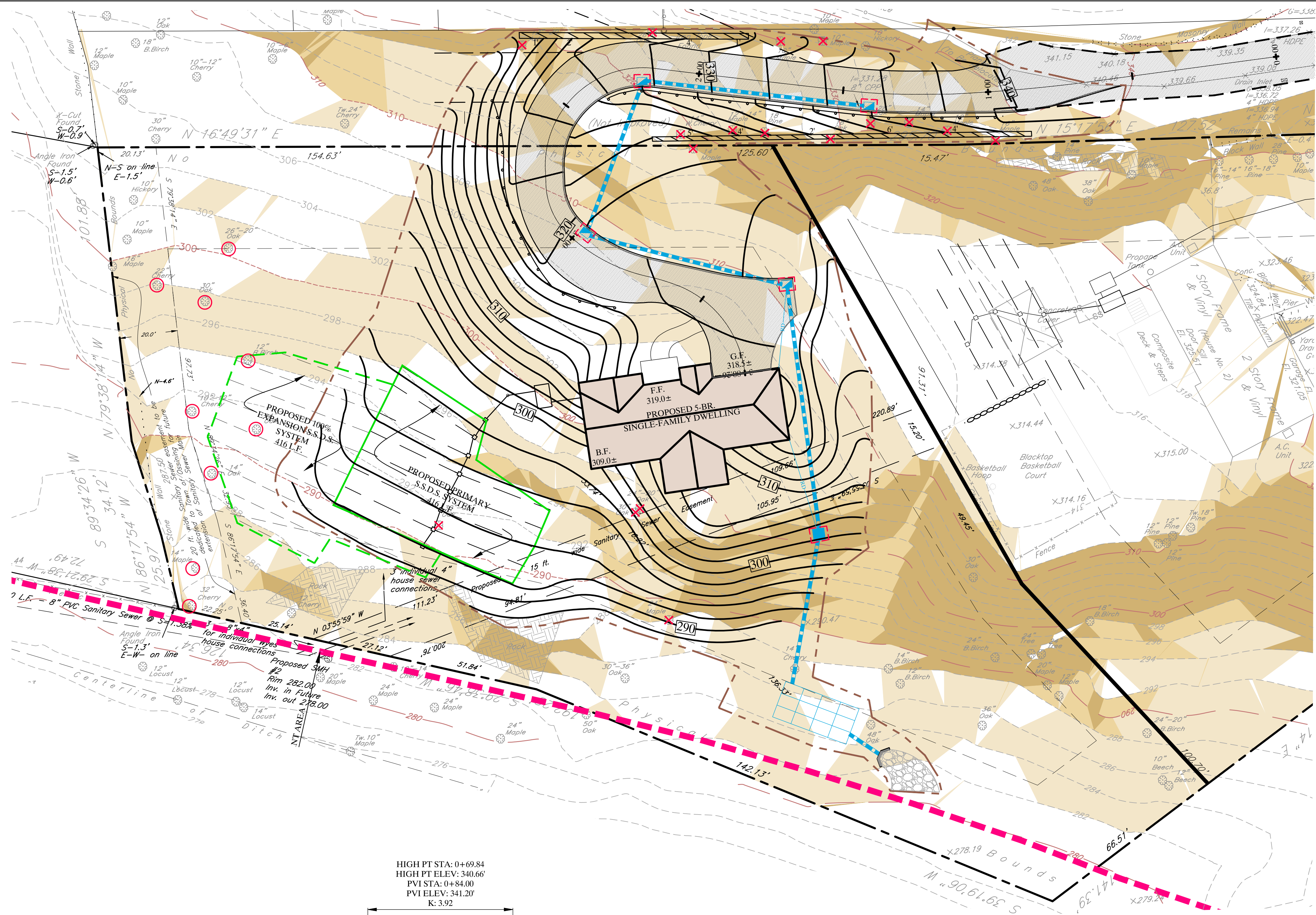
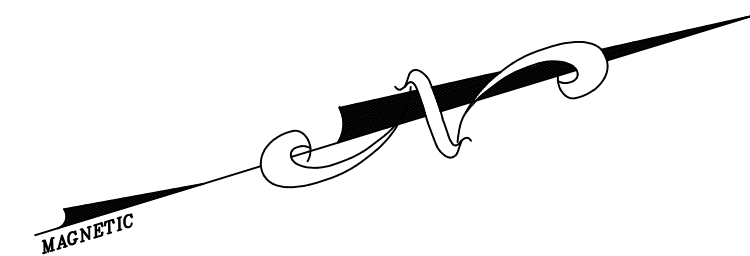
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12

PROJECT LD:
BLR100

DATE:
APRIL 10, 2017

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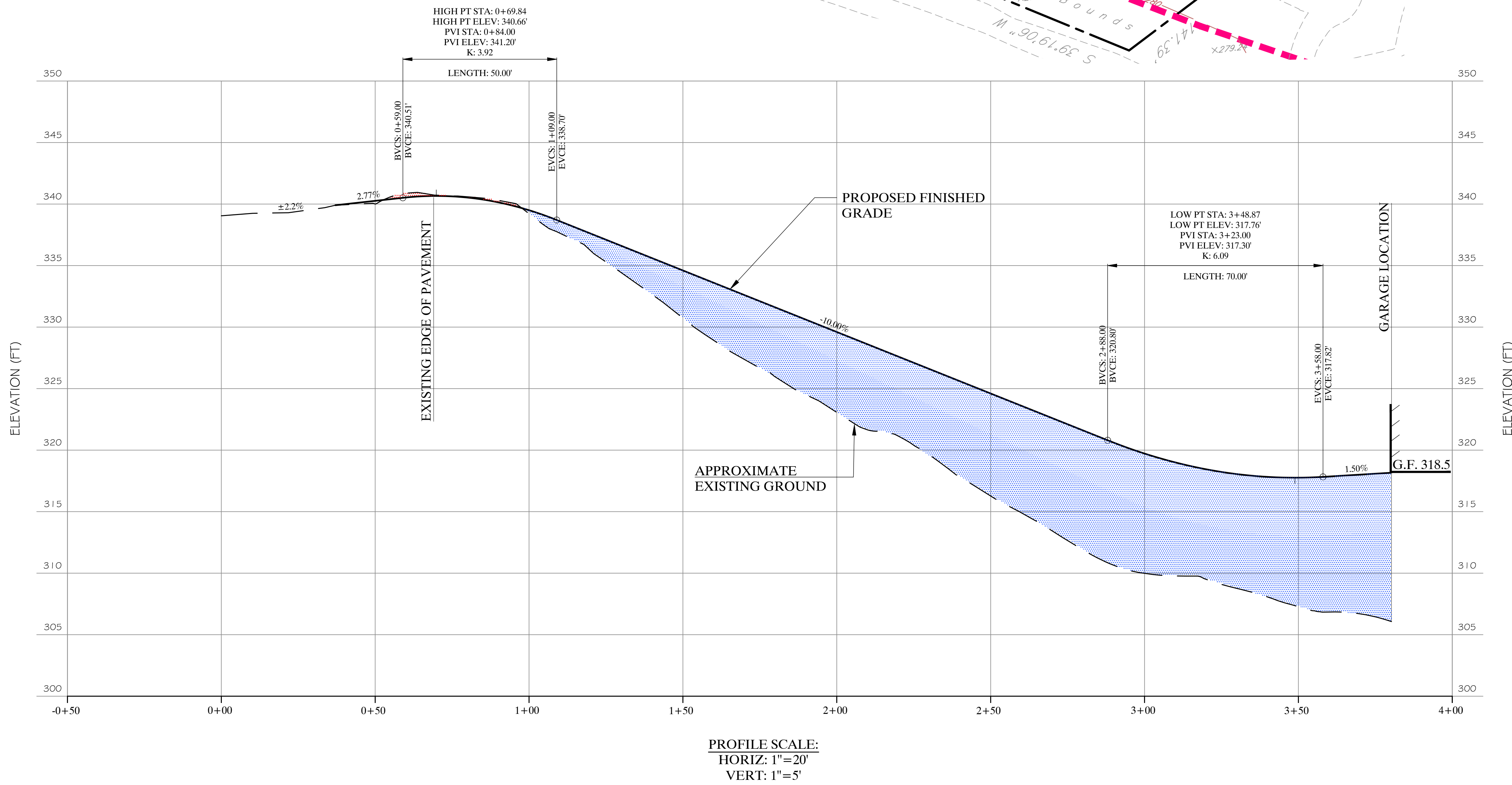
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- LEGEND**
- EXISTING PROPERTY LINE
 - EXISTING CONTOUR
 - PROPOSED PROPERTY LINE
 - PROPOSED CONTOUR
 - PROPOSED DWELLING
 - PROPOSED RETAINING WALL WITH WALL HEIGHTS
 - PROPOSED DRAIN PIPE
 - PROPOSED CATCH BASIN WITH TEMPORARY INLET PROTECTION
 - EXISTING TREE TO REMAIN
 - EXISTING TREE TO REMAIN AND BE PROTECTED
 - EXISTING TREE TO BE REMOVED
 - PROPOSED 12' WIDE ASPHALT DRIVEWAY
 - PROPOSED LIMITS OF DISTURBANCE
 - PROPOSED GUIDE RAIL (ULTIMATE MATERIAL TO BE DETERMINED BY TOWN ENGINEER)

TREES TO BE REMOVED

1. 16" MAPLE (DRIVEWAY)
2. 12" MAPLE (DRIVEWAY)
3. 14" MAPLE (DRIVEWAY)
4. 28" OAK (DRIVEWAY)
5. 18" OAK (DRIVEWAY)
6. 18" PINE (DRIVEWAY)
7. 12" MAPLE (DRIVEWAY)
8. 14" CHERRY (DRIVEWAY)
9. 14" MAPLE (DRIVEWAY)
10. 12" ASH (DRIVEWAY)
11. 28" OAK (DRIVEWAY)
12. 10" MAPLE (DRIVEWAY)
13. 10" MAPLE (DRIVEWAY)
14. 24" OAK (HOUSE GRADING)
15. 30" OAK (HOUSE GRADING)
16. 24" MAPLE (HOUSE GRADING)
17. 26" OAK (SEPTIC)
18. 30" OAK (SEPTIC)
19. 12" BIRCH (SEPTIC)
19 TOTAL TREES TO BE REMOVED



NOTES:

1. TOPOGRAPHIC INFORMATION AS SHOWN ON THIS PLAN WAS PROVIDED BY WARD CARPENTER ENGINEERS, INC. FROM A MAP DATED NOVEMBER 13, 2013.

GRAPHIC SCALE

(18 FEET)
1 inch = 20 ft.

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ALTERNATIVE "B"

10 PERCENT DRIVEWAY GRADE SITE PLAN AND PROFILE

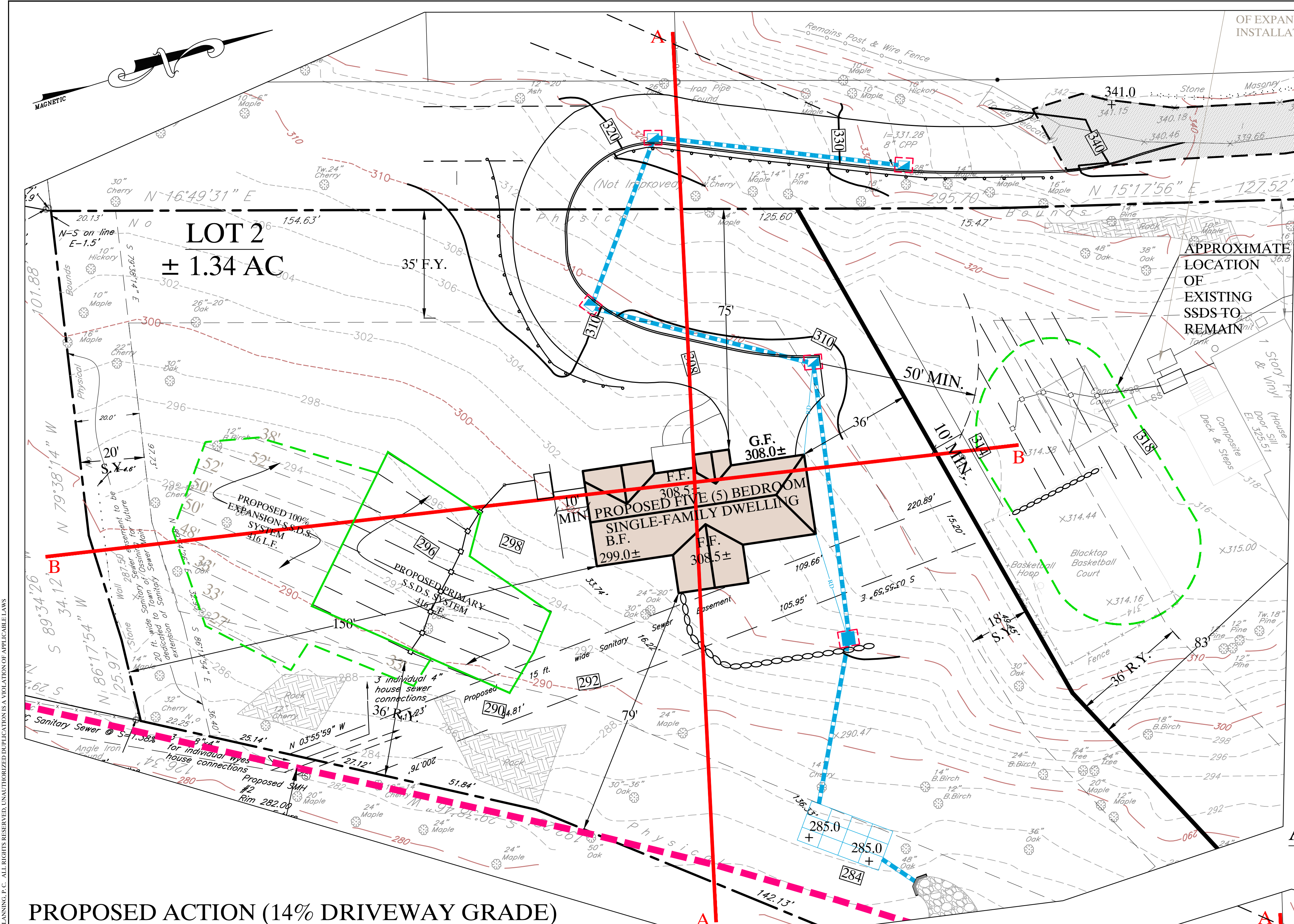
WILLIAM BUTLER SUBDIVISION

TOWN OF OSSING WESTCHESTER COUNTY, NEW YORK

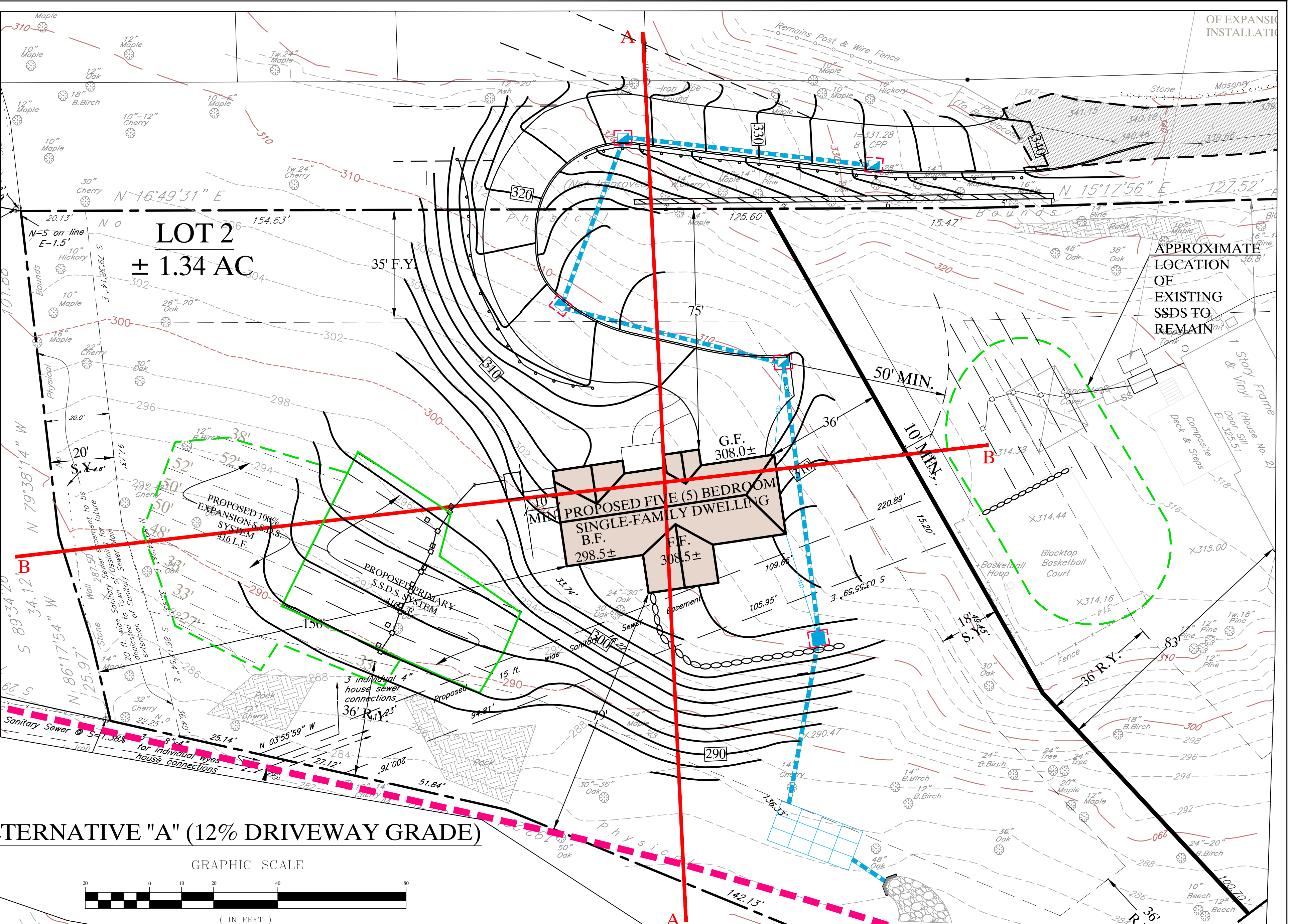
1.	6/13/2017	REVISIONS
2.	10/10/2017	TOWN ENGINEER/PB COMMENTS
3.	10/10/2017	ZBA COMMENTS

PROJECT ID: BLR100
DATE: APRIL 10, 2017

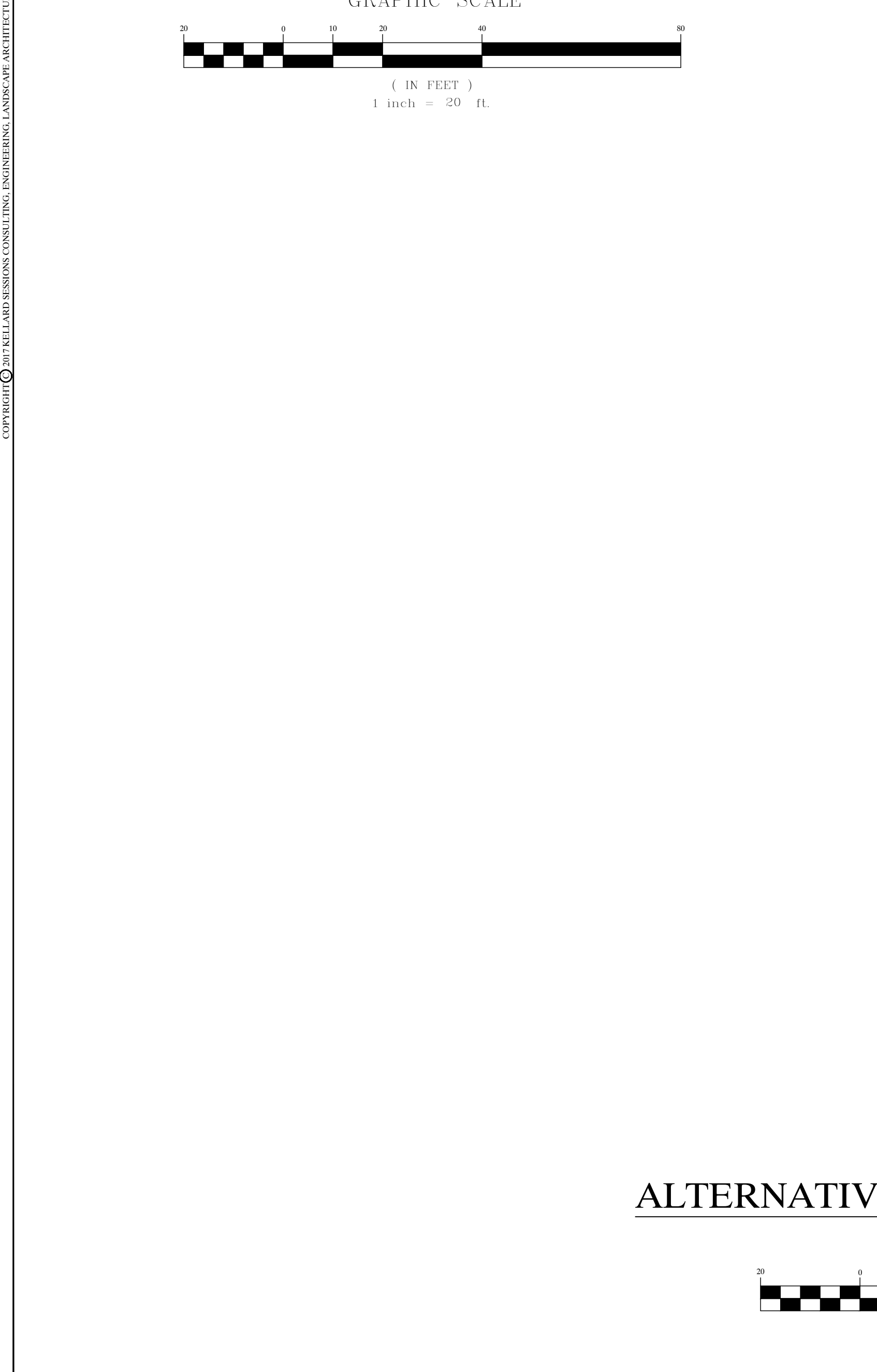
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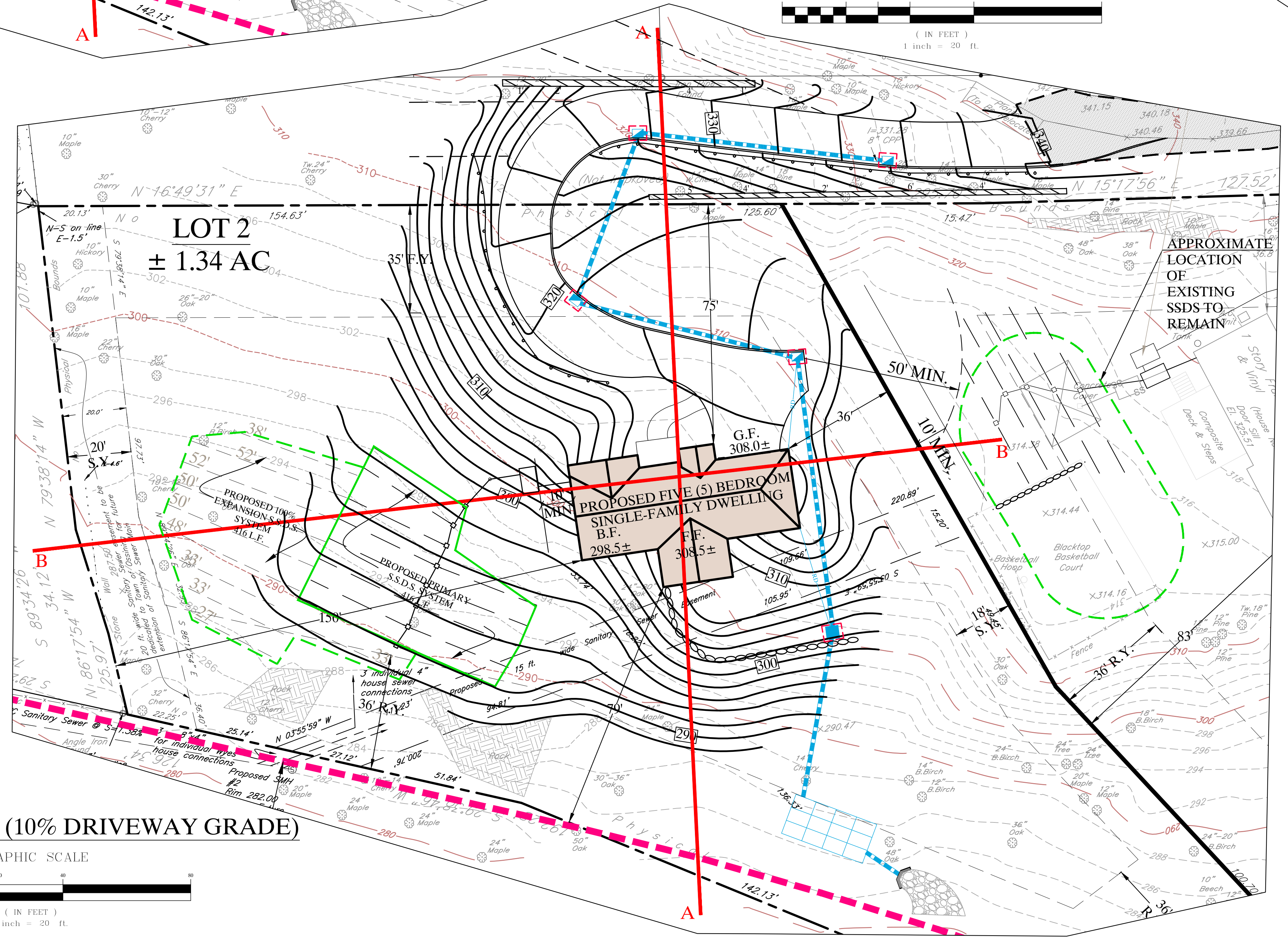
PROPOSED ACTION (14% DRIVEWAY GRADE)



ALTERNATIVE "A" (12% DRIVEWAY GRADE)



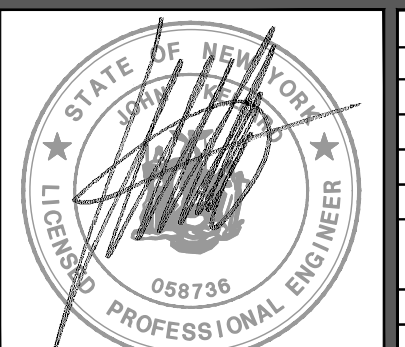
ALTERNATIVE "B" (10% DRIVEWAY GRADE)



NOTES:

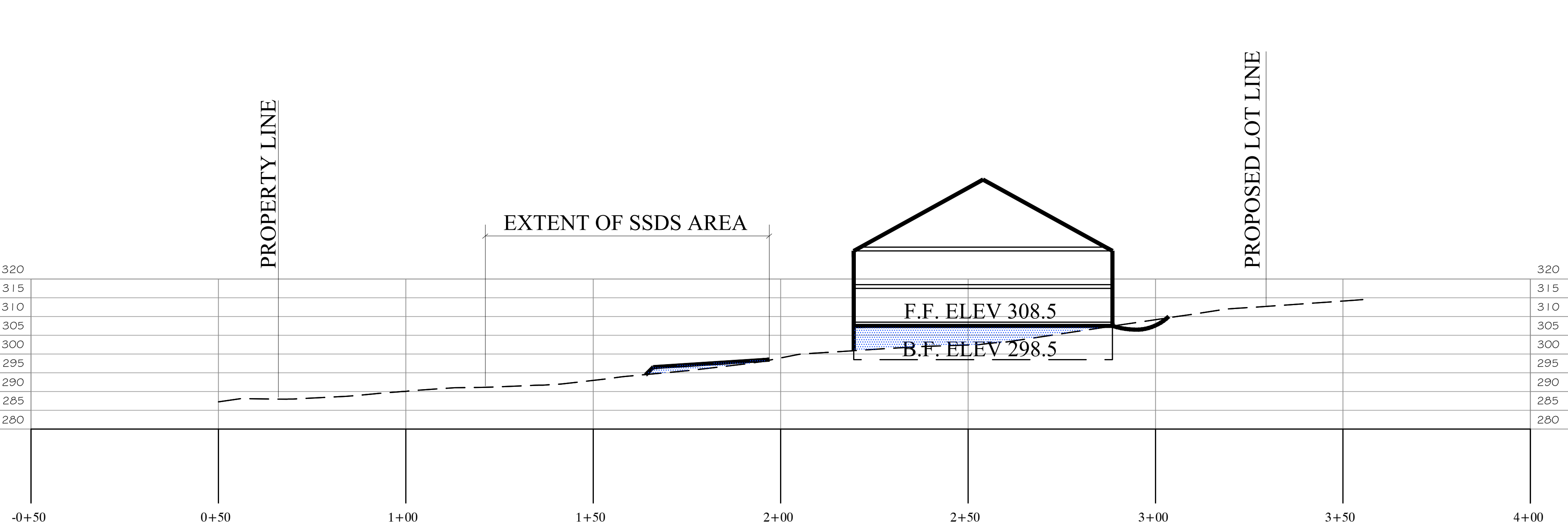
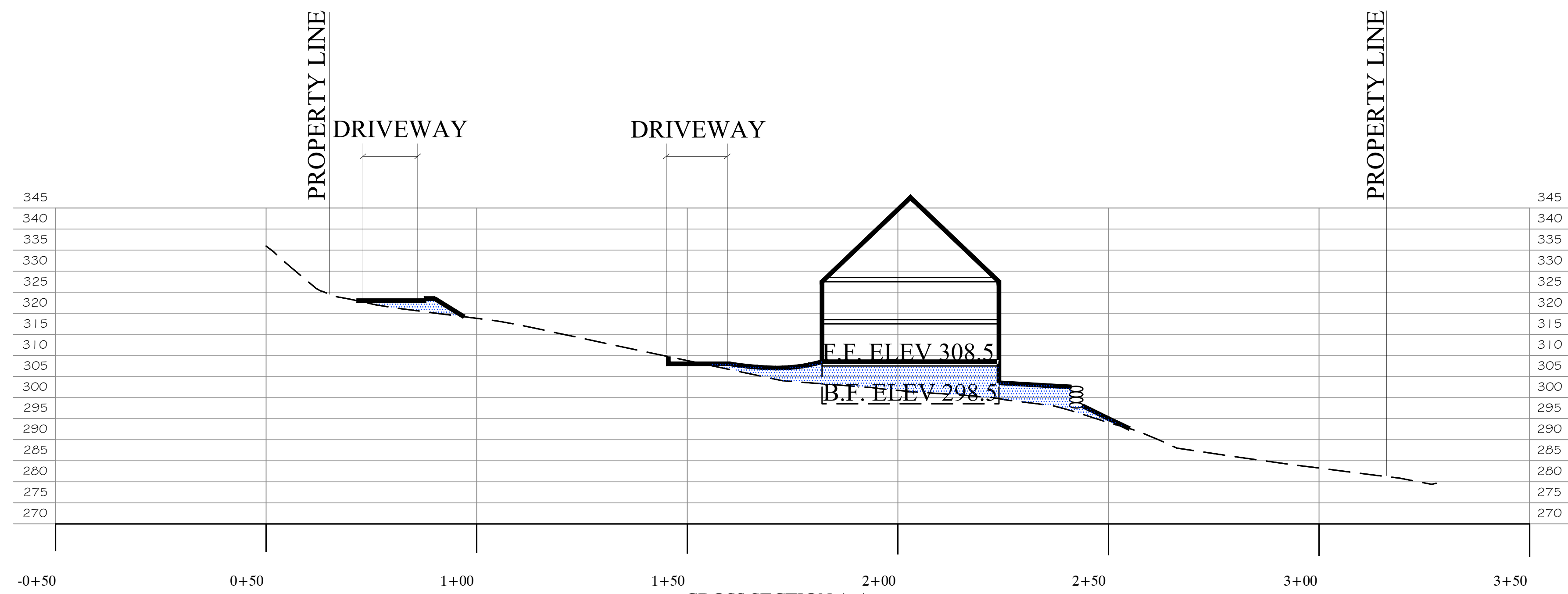
1. TOPOGRAPHIC INFORMATION AS SHOWN ON THIS PLAN WAS PROVIDED BY WARD CARPENTER ENGINEERS, INC. FROM A MAP DATED NOVEMBER 13, 2013.

REFER TO SHEET 9/12 FOR SITE CROSS SECTION PROFILES

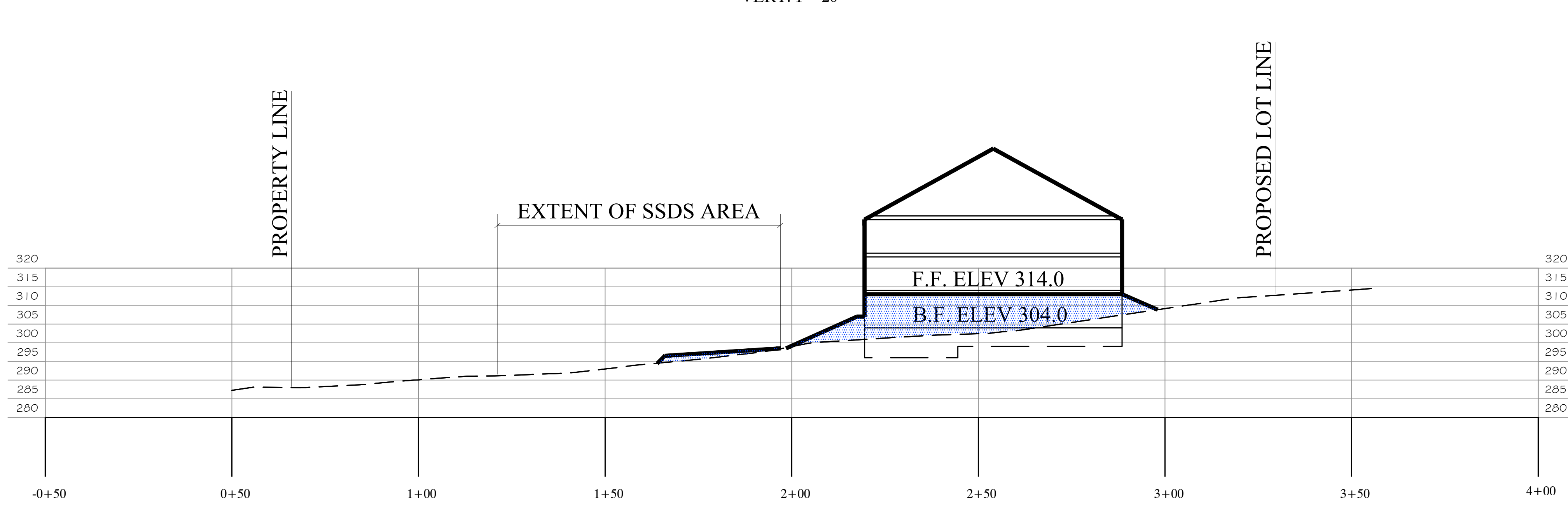
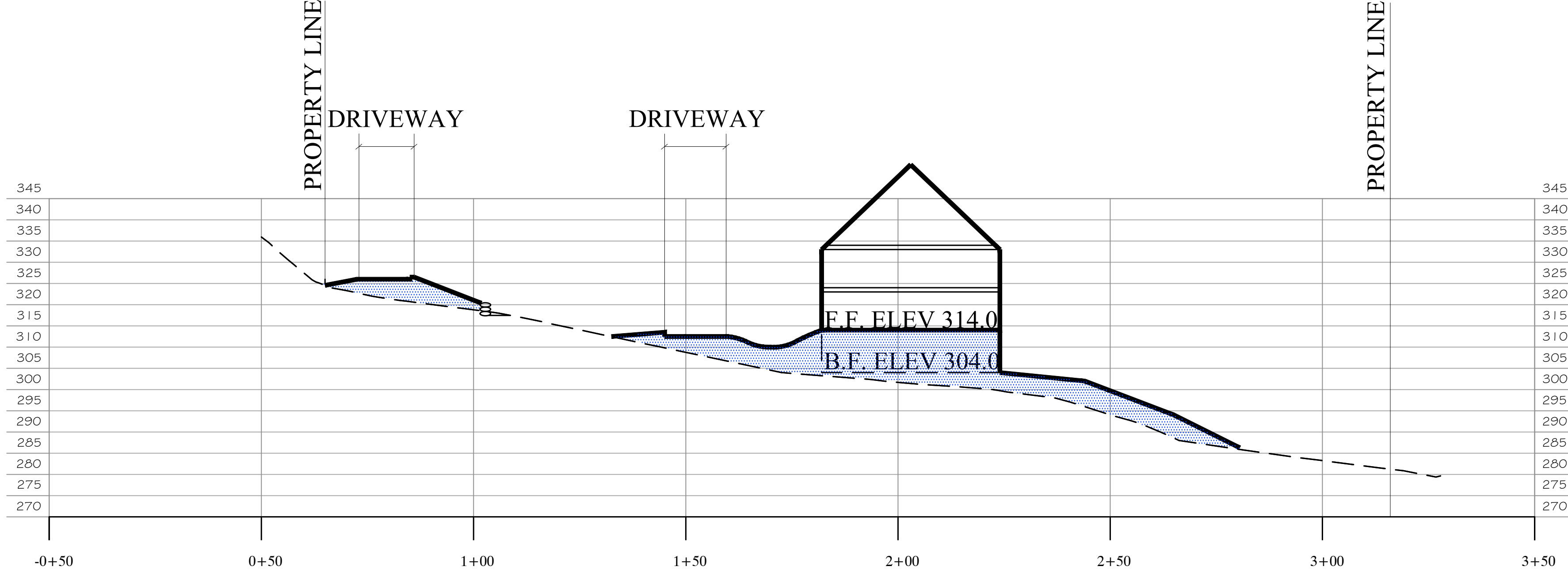
KELLARD SESSIONS CONSULTING	SITE CROSS SECTION PLAN							
	WILLIAM BUTLER SUBDIVISION							
ENGINEERING, LANDSCAPE ARCHITECTURE PLANNING, P.C.	TOWN OF OSSING	WESTCHESTER COUNTY, NEW YORK						
580 MAIN STREET ARMONK, N.Y. 10604 P: (914) 275-2323 F: (914) 275-2329 WWW.KELLARDS.COM		<table border="1"><tr><td>8</td><td>12</td></tr><tr><td colspan="2">PROJECT I.D.: BLR100</td></tr><tr><td colspan="2">DATE: APRIL 10, 2017</td></tr></table>	8	12	PROJECT I.D.: BLR100		DATE: APRIL 10, 2017	
8	12							
PROJECT I.D.: BLR100								
DATE: APRIL 10, 2017								

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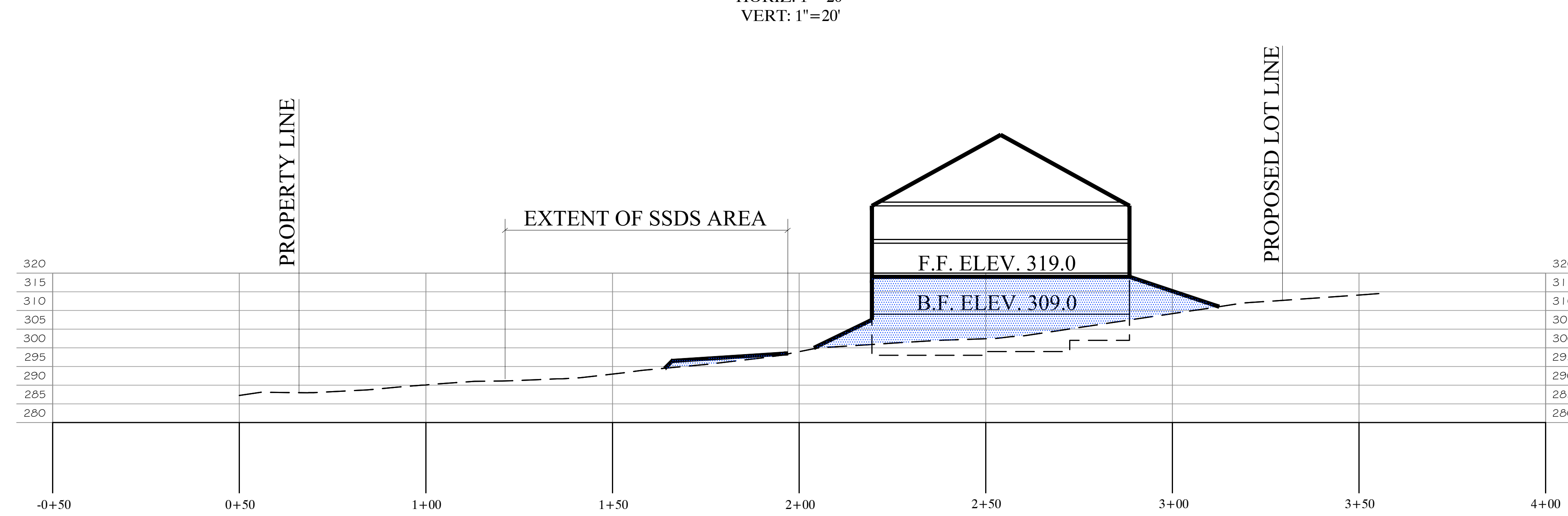
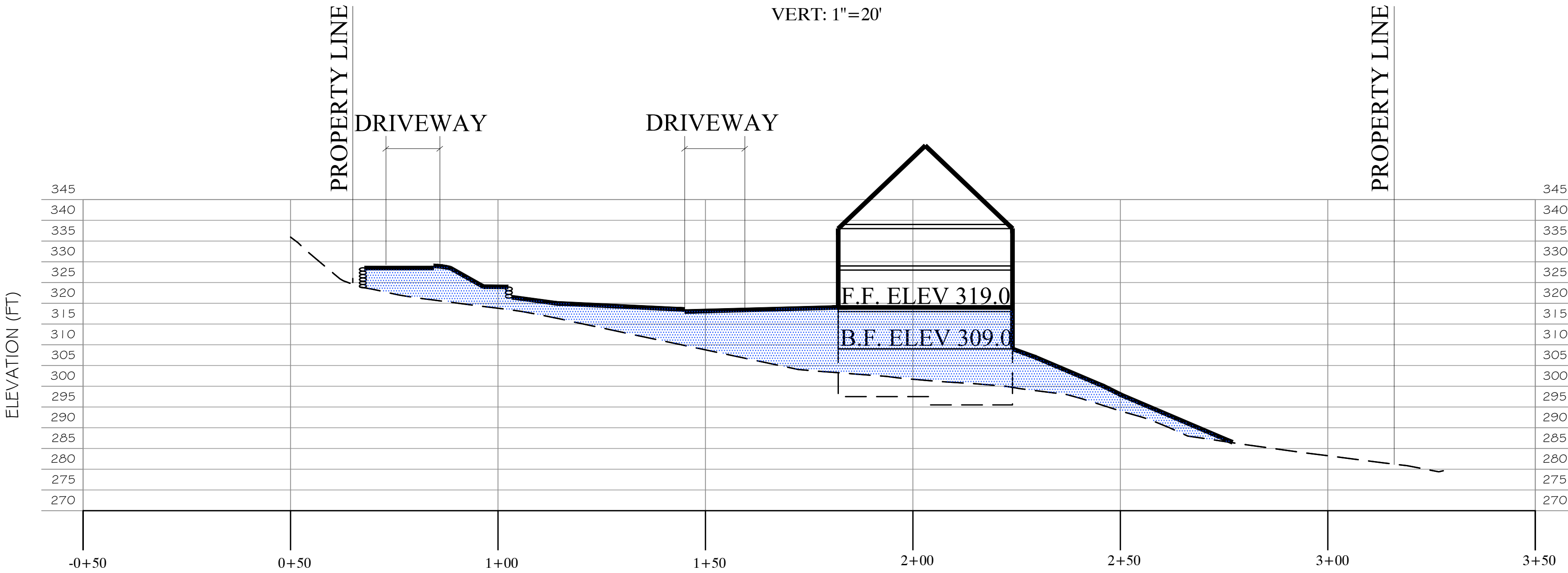
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PROPOSED ACTION (14% DRIVEWAY GRADE)



ALTERNATIVE "A" (12% DRIVEWAY GRADE)



ALTERNATIVE "B" (10% DRIVEWAY GRADE)

REFER TO SHEET 8/12 FOR
SITE SECTIONS

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SITE CROSS SECTION PROFILES
WILLIAM BUTLER SUBDIVISION

TOWN OF OSSINGWESTCHESTER COUNTY, NEW YORK

9	
8	
7	
6	
5	
4	
3	OCTOBER 23, 2017 - TOWN ENGINEER/PB COMMENTS
2	OCTOBER 10, 2017 - ZBA COMMENTS
1	JUNE 13, 2017
REVISIONS	

PROJECT ID:
BLR100
DATE:
APRIL 10, 2017

UNAUTHORIZED ADDITIONS, MODIFICATIONS AND/OR ALTERATIONS TO THESE PLANS IS A VIOLATION OF SECTION 7206(2) OF THE NEW YORK STATE EDUCATION LAW

CULTEC RECHARGER 330 XL DETAIL (N.T.S.)

CULTEC 410 FILTER FABRIC
RECOMMENDED, NOT REQUIRED

CULTEC RECHARGER 330XL

1½" - 2" WASHED, CRUSHED
STONE

FINISHED GRADE

95% COMPACTED FILL

CULTEC 410 FILTER FABRIC
TOP, SIDES AND BOTTOM

9" MIN.
12" MAX.

6"

1'-0" TYP.

58" C-C

6" STONE SEPARATION
BETWEEN ROWS

6" STONE BASE

52"

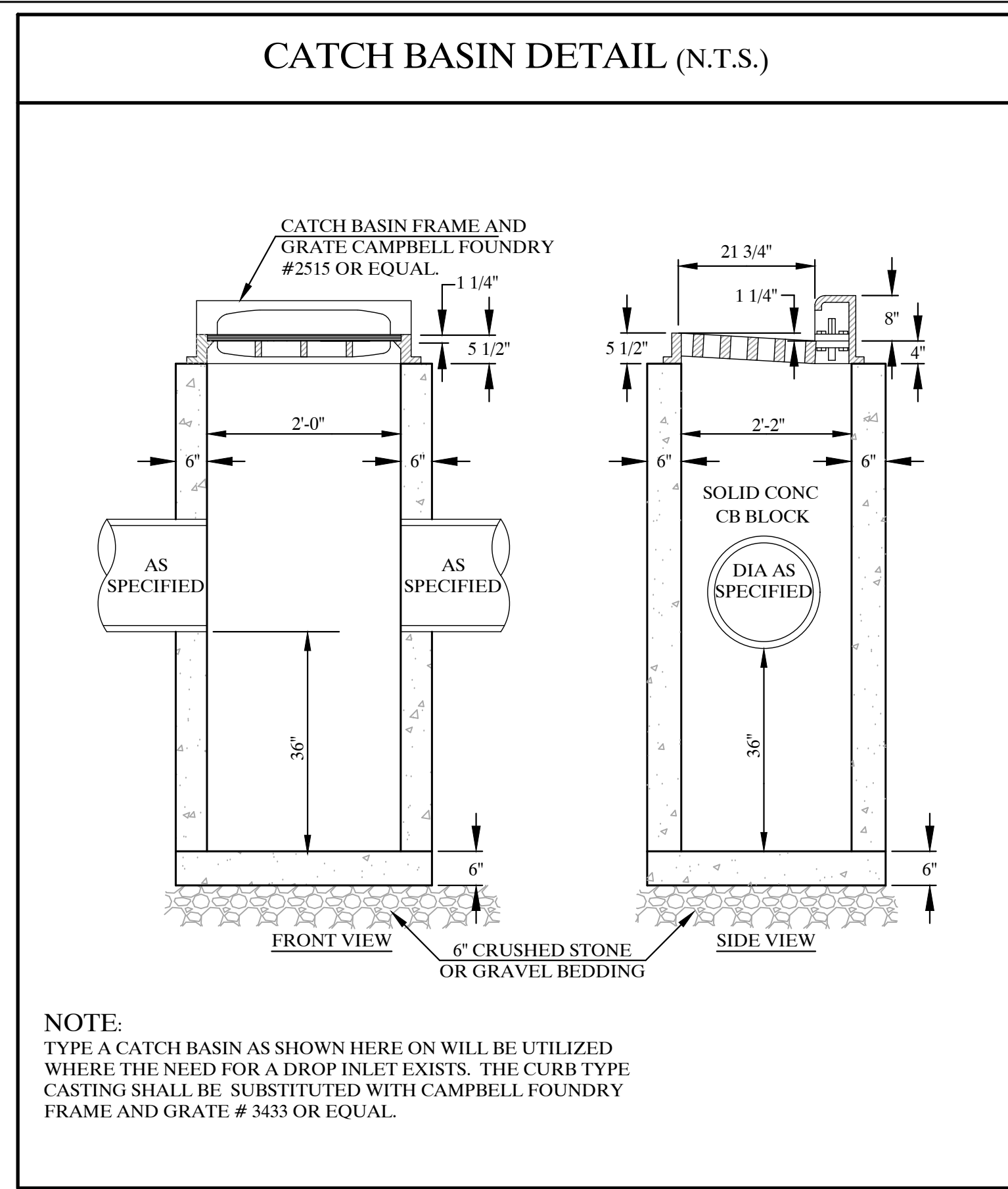
24"

30" ±

TYPICAL CROSS SECTION RECHARGER 330XL
(10.35 CF₂ LF.)

CALCULATIONS BASED ON
40% STONE VOID

GENERAL NOTES
RECHARGER™ 330 BY CULTEC, INC. OF BROOKFIELD, CT. ALL RECHARGER™ 330 CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. REFER TO MANUFACTURER, CULTEC, INC.'S RECOMMENDED INSTALLATION GUIDELINES. ALL RECHARGER™ 330XL H-20 HEAVY DUTY UNITS ARE MARKED WITH A 4" STRIPE ALONG THE LENGTH OF THE CHAMBER.



DRAIN INLET (CONCAVE GRATE) (N.T.S.)

GENERAL NOTES:

- CONCRETE TO TEST 4000 P.S.I. @ 28 DAYS
- REINFORCEMENT MIEETS A.S.T.M. A-615, GRADE 60, A.S.T.M. A-185.
- ALL DRAINAGE INLET STRUCTURES LOCATED IN PAVED OR GRAVELED AREAS TO HAVE FLAT GRATES. ALL OTHERS (WITHIN GRASS SWALES) TO RECEIVE CONCAVE GRATES.

PLAN

ELEVATION

HS-20-44 LOADING DESIGN REQUIRED

CONCRETE RETAINING WALL DETAIL (N.T.S.)

The diagram illustrates the cross-section of a concrete retaining wall. Key features include:

- Top Section:** A 1" chamfer (typical) at the top edge. The wall is finished at the grade.
- Reinforcement:** 2 #5 bars continue from the top. #4 bars at 12" O.C. are used vertically on the earth side. #4 bars at 12" O.C. continue from the bottom. #5 bars are used at the bottom.
- Drainage:** 3" P.V.C. weep holes are installed at 48" O.C. (typical). A 3" clear space (typical) is provided at the base of the wall.
- Filter Fabric:** A filter fabric is placed behind the wall, with 1" to 2" stones and #A bars dowels used for drainage.
- Dimensions:** The wall height is 11' (varies). The base width is 3'-6" (minimum). The footing width is 4" (typical). The wall thickness is 18" (typical). The footing is 12" thick.

"H"	"W"	"A"
EXPOSED HEIGHT	FOOTING WIDTH	REINFORCING
0' TO 4'	3'-0"	#4 AT 12' OC
4' TO 6'	4'-0"	#5 AT 12' OC
6' TO 9'	5'-0"	#6 AT 12' OC

RIP RAP OUTLET PROTECTION DETAIL (N.T.S.)

PLAN VIEW

RIP-RAP d50 (ANGULAR STONES)

PROFILE

W = 16'

STONE HEADWALL

Do

3D

La

X

1a = 14'

PROFILE VIEW

6" MIN.

Do

0% SLOPE

GRADED AGGREGATE FILTER OR FILTER FABRIC

12" TOE

X

CROSS SECTION X-X

2

1

2

1

FILTER CLOTH OR GRADED AGGREGATE FILTER

RIPRAP SIZE d50 = 6" MIN. APRON THICKNESS = 14"

Do - Pipe Diameter
 3Do - Headwall Width
 La - Approx. Length
 W - Approx. Width @ end
 d50 - 50% Stone Size
 Minimum Rip-Rap Blanket Thickness - 14"

FIRE TRUCK TURNING DETAIL (N.T.S.)

35'X10' TRUCK

35'X10' TRUCK

30' R

16'

14'

125.60'

295.70'

15.47'

91.31'

220.89'

15.20'

109.66'

33.74'

15.95'

3.65

55.60

5.20

ment

LEGEND:

RED LINES: REAR WHEEL MOVEMENTS

BLUE LINES: FRONT WHEEL MOVEMENTS

GREEN LINES: FIRETRUCK OVERHANG

SCALE: 1" = 15'

DRAINAGE TRENCH DETAIL (N.T.S.)

The diagram illustrates a cross-section of a drainage trench installed beneath a driveway. The trench is defined by a width of $P + 24"$. The top layer of the trench is labeled "BACKFILL WITH CLEAN EARTH, NO STONES GREATER THAN 6" COMPACT IN 6" LAYERS". Below this is a layer of "SELECTED BACKFILL COMPACT IN 6" LAYERS". The bottom of the trench is composed of "CRUSHED STONE OR GRAVEL BEDDING" with a thickness of 6". A "HDPE DRAINAGE PIPE (SIZE AS NOTED)" is installed within the bedding, with a diameter labeled "DIA". The pipe is surrounded by a 12" layer of backfill. The trench is covered by a "FINISHED GRADE" surface, which is a "1'-6" MINIMUM, 2'-0" MINIMUM UNDER DRIVEWAY".

ASPHALTIC CONCRETE CURB DETAIL (N.T.S.)
(FOR INDIVIDUAL DRIVEWAY ONLY)

Labels and Dimensions:

- 3" ASPHALTIC CONCRETE TOP COURSE
- 6" ITEM 4 BASE COURSE
- FINISHED GRADE
- 1/2"
- 6°
- 7"
- 8"

COMMON DRIVEWAY SECTION DETAIL (N.T.S.)

NOTE:
TOWN ENGINEER SHALL
DETERMINE THE APPROPRIATE
COMMON DRIVEWAY DEPTH
DURING FINAL SUBDIVISION
APPROVAL PROCESS.

2" ASPHALTIC TOP
COURSE NYSDOT
ITEM #403.17

16'

3" ASPHALTIC BINDER
COURSE NYSDOT ITEM
#403.13

COMPACTED
SUBGRADE

6" ITEM 4 SUBBASE COURSE
NYSDOT ITEM #304.03, OR
AS DIRECTED BY THE
TOWN ENGINEER UPON
SITE INSPECTION

WATER SERVICE CONNECTION DETAIL (N.T.S.)

FINISHED GRADE

P/2 + 10'

5'-0"

LENGTH VARIABLE

BUFFALO CURB BOX

CURB STOP

CURB BOX

CURB STOP

4" MIN. COVER

CONNECTION TO PLUMBING AT OR IN RESIDENCE

CENTERLINE EXISTING WATERMAIN

5'-0"

PROPOSED 14" COPPER WATER SERVICE

CORPORATE STOP

6" CLEAR FOR TAP MACHINE

CRUSHED STONE BEDDING TO BE USED TO SUPPORT COPPER PIPE IN TRENCH AREA

NOTE:
CURB STOP AND
CORPORATE STOP TO
BE MUELLER OR EQUAL

INDIVIDUAL DRIVEWAY SECTION DETAIL (N.T.S.)

2'0" SHOULDER
1/2" FT.

WIDTH VARIES BETWEEN 14' AND 19'
SEE SHEET 3/12 FOR ACTUAL DRIVEWAY WIDTHS

2'0" SHOULDER
1/2" FT.

1/2" FT.

3" TOP COURSE
NYS DOT ITEM 403.17

6" BASE COURSE
NYS DOT ITEM 304.05

COMPACTED SUBGRADE

ASPHALT CURB

WOOD GUIDE RAIL DETAIL (N.T.S.)

MIN. OF 4" Ø BOLTS (LAG BOLTS)

6" MAX.

8" x 4" OR 10" x 3" RAIL (PRESSURE TREATED WOOD)

27"

FINISHED GRADE

ANGLE-CUT TOPS OF 6" x 6" POSTS TO PROVIDE FOR ADEQUATE DRAINAGE

3"

6" x 6" POST (PRESSURE TREATED WOOD)

NOTE:
TOWN ENGINEER WILL REVIEW STRUCTURAL INTEGRITY AND APPROPRIATENESS OF THE WOOD-GUIDE RAIL DURING FINAL SUBDIVISION APPROVAL PROCESS.

STONE HEADWALL DETAIL (N.T.S.)

CAPSTONE - FULL WIDTH
FINISHED GRADE
6" MIN
12"
3" MIN
6"
2'-6"
8"
2'-6"
EXISTING GRADE
RUBBLE STONE MASONRY
CONCRETE FOOTING

DRY STONE RIP-RAP TO EXTEND A MINIMUM OF 30' BEYOND HEADWALL AND SHALL BE AT LEAST TWICE THE DIAMETER OF THE PIPE IN WIDTH. (SEE DRY STONE RIP-RAP NOTE THIS SHEET.)

NOTE:
FIRST COURSE OF STONE TO BE EMBEDDED IN FRESH CONCRETE FOOTING

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	WILLIAM BUTLER SUBDIVISION	
TOWN OF OSSINEGE	WESTCHESTER COUNTY, NEW YORK	
	9.	10 12 PROJECT ID: BLR100 DATE: APRIL 10, 2017
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	OCTOBER 23, 2017 - TOWN ENGINEER/PB COMMENTS OCTOBER 10, 2017 - ZBA COMMENTS JUNE 13, 2017 REVISIONS	

ALL PROPOSED SOIL EROSION AND SEDIMENT CONTROL PRACTICES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING PUBLICATIONS:

- THE PRIMARY AIM OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN IS TO REDUCE SOIL EROSION FROM AREAS OF EXPOSED SOIL. THE PLAN WILL PROVIDE FOR THE PROTECTION OF EXISTING AND FUTURE STRUCTURES, WETLAND SYSTEMS, WATERCOURSES, WATERBODIES AND DOWNSTREAM PROPERTIES. AS OUTLINED IN THE CONSTRUCTION SEQUENCING NOTES BELOW AND ON THE GRADING AND UTILITY PLAN, THE SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY EARTHMOVING ACTIVITIES AND WILL BE IMPLEMENTED TO CONTROL SEDIMENT AND RE-ESTABLISH VEGETATION AS SOON AS PRACTICABLE. THE PLAN WILL BE IMPLEMENTED PRIOR TO THE COMMENCEMENT OF ANY EARTHMOVING ACTIVITIES AND WILL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. THE FOLLOWING ARE THE TYPES OF EROSION CONTROL DEVICES INCLUDE THE PLANNED EROSION CONTROL PRACTICES OUTLINED BELOW. MAINTENANCE PROCEDURES FOR EACH EROSION CONTROL PRACTICE ARE ALSO PROVIDED HEREIN. THE OWNER OR OPERATOR MUST ENSURE THAT ALL EROSION CONTROL PRACTICES IDENTIFIED HEREIN ARE MAINTAINED IN AN EFFECTIVE OPERATIONAL CONDITION AT ALL TIMES.

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT THE PROJECT ENTRANCE AS INDICATED ON THE PLANS. THE PURPOSE OF THE STABILIZED CONSTRUCTION ENTRANCE IS TO PREVENT VEHICLES LEAVING THE SITE FROM TRACKING SEDIMENT, MUD OR ANY OTHER CONSTRUCTION-RELATED MATERIALS FROM THE SITE ONTO HILLCREST DRIVE.

STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSPECTED A MINIMUM OF ONCE EVERY SEVEN (7) CALENDAR DAYS. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION ENTRANCE IN A MANNER WHICH PREVENTS OR SIGNIFICANTLY REDUCES THE TRACKING OF SEDIMENT/SOIL ONTO HILLCREST DRIVE. THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION ENTRANCE DAILY AND AFTER EACH RAIN EVENT FOR DISPLACEMENT OR LOSS OF AGGREGATE. THE CONTRACTOR SHALL TOP DRESS THE CONSTRUCTION ENTRANCE WITH AGGREGATE WHEN DISPLACEMENT OCCURS, OR IF THE AGGREGATE BECOMES CLOGGED OR SLOTTED TO THE EXTENT THAT THE ENTRANCE CAN NO LONGER PERFORM ITS INTENDED FUNCTION. THE CONTRACTOR SHALL INSPECT THE VICINITY OF THE CONSTRUCTION ENTRANCE SEVERAL TIMES A DAY AND IMMEDIATELY REMOVE ANY SEDIMENT DROPPED OR WASHED ONTO HILLCREST DRIVE.

SILT FENCE (GEOTEXTILE FILTER CLOTH) SHALL BE PLACED IN LOCATIONS DEPICTED ON THE APPROVED PLANS. THE PURPOSE OF THE SILT FENCE IS TO REDUCE THE VELOCITY OF SEDIMENT-LADEN STORMWATER FROM SMALL DRAINAGE AREAS AND TO INTERCEPT THE TRANSPORTED SEDIMENT LOAD. IN GENERAL, SILT FENCE SHALL BE USED IN DOWN-SLOPE-TO-UP-SLOPE OR DOWN-SLOPE-TO-FLAT AREAS, TOE OF SLOPE OR IMMEDIATELY WITHIN SLOPE, WHERE OBVIOUS CHANNEL CONCENTRATION OF STORMWATER IS NOT PRESENT. SILT FENCE SHALL ALWAYS BE INSTALLED PARALLEL TO THE CONTOURS IN ORDER TO PREVENT CONCENTRATED FLOWS FROM DEVELOPING ALONG THE SILT FENCE.

SILT FENCING SHALL BE INSPECTED A MINIMUM OF ONCE EVERY SEVEN (7) CALENDAR DAYS. INSPECTIONS SHALL INCLUDE ENSURING THAT THE FENCE MATERIAL IS TIGHTLY SECURED TO THE WOOD POSTS. IN ADDITION, OVERLAPPING FILTER FABRIC SHALL BE SECURE AND THE FABRIC SHALL BE MAINTAINED A MINIMUM OF SIX (6) INCHES BELOW GRADE. IN THE EVENT THAT ANY "BULGES" DEVELOP IN THE FENCE, THAT A MINIMUM OF FIVE (5) FEET OF THE FENCE SHALL BE REPLACED WITH A NEW SECTION. ANY VISIBLE SEDIMENT BUILD-UP AGAINST THE FENCE SHALL BE REMOVED IMMEDIATELY AND DEPOSITED ON-SITE A MINIMUM OF 100 FEET OUTSIDE OF ANY REGULATED WETLAND AREA, WATERCOURSE OR WATERBODY.

ALL SIGNIFICANT TREES TO BE PRESERVED AND LOCATED WITHIN THE LIMITS OF DISTURBANCE AND ON THE PERIMETER OF THE DISTURBANCE LIMITS SHALL BE PROTECTED FROM HARM BY ERECTING A THREE (3) FEET HIGH (MINIMUM) SNOW FENCE SURROUNDING THE TREE. SNOW FENCE SHOULD EXTEND TO THE DRIP-LINE OF THE TREE TO BE PRESERVED. TREES DESIGNATED TO BE PROTECTED/SAVED ARE ILLUSTRATED ON THE CONSTRUCTION DRAWINGS AND WILL BE IDENTIFIED IN THE FIELD PRIOR TO CONSTRUCTION.

THE SNOW FENCE SHALL REMAIN AT THE DRIP-LINE OF THE TREE TO BE PRESERVED. THE SNOW FENCE SHALL BE INSPECTED A MINIMUM OF ONCE EVERY SEVEN (7) CALENDAR DAYS. ANY DAMAGED PORTIONS OF THE FENCE SHALL BE REPAIRED OR REPLACED. CARE SHALL ALSO BE TAKEN TO ENSURE THAT NO CONSTRUCTION EQUIPMENT IS DRIVEN OR PARKED WITHIN THE DRIP-LINE OF THE TREE TO BE PRESERVED.

ALL SOIL/MATERIAL STRIPPED FROM THE CONSTRUCTION AREA DURING GRUBBING AND GRADING SHALL BE STOCKPILED WITHIN THE VICINITY OF THE LOCATIONS ILLUSTRATED ON THE APPROVED PLANS, OR IN PRACTICAL LOCATIONS ON-SITE.

ALL STOCKPILES SHALL BE INSPECTED A MINIMUM OF ONCE EVERY SEVEN (7) CALENDAR DAYS FOR SIGNS OF EROSION OR PROBLEMS WITH SEED ESTABLISHMENT. SOIL STOCKPILES SHALL BE PROTECTED FROM EROSION BY VEGETATING THE STOCKPILE WITH A RAPIDLY-GERMINATING GRASS SEED AND SURROUNDED WITH SILT FENCE. IF THE PROJECT IS ONGOING DURING THE NON-GROWING SEASON, THE STOCKPILES SHALL BE PROTECTED WITH A TARPULIN COVERING THE ENTIRE STOCKPILE.

ALL DISTURBED AREAS WILL BE PROTECTED FROM EROSION WITH THE USE OF VEGETATIVE MEASURES (E.G., GRASS SEED MIX, SOD), HYDROMULCH, HAY OR EROSION CONTROL BLANKETS.

EROSION CONTROL BARRIERS CONSISTING OF SILT FENCING SHALL BE PLACED AROUND EXPOSED AREAS DURING CONSTRUCTION. ANY AREAS STRIPPED OF VEGETATION DURING CONSTRUCTION WILL BE VEGETATED AND/OR MULCHED IMMEDIATELY TO PREVENT EROSION OF THE EXPOSED SOILS. IN AREAS WHERE SIGNIFICANT EROSION POTENTIAL EXISTS (STEEP SLOPES) AND/OR WHERE SPECIFICALLY DIRECTED, CHURN EXCELSIOR EROSION CONTROL BLANKETS (MANUFACTURED BY AMERICAN EXCELSIOR OR APPROVED EQUAL) SHALL BE INSTALLED.

MATERIALS THAT MAY BE USED FOR MULCHING INCLUDE STRAW, HAY, SALT HAY, WOOD FIBER, SYNTHETIC SOIL STABILIZERS, MULCH NETTING, EROSION CONTROL BLANKETS OR SOD. A PERMANENT VEGETATIVE COVER WILL BE ESTABLISHED UPON COMPLETION OF CONSTRUCTION OF THOSE AREAS WHICH HAVE BEEN BROUGHT TO FINISH GRADE AND TO REMAIN UNDISTURBED.

THE APPLICANT/DEVELOPER OR THEIR REPRESENTATIVES SHALL BE ON-SITE AT ALL TIMES WHEN CONSTRUCTION OR GRADING ACTIVITY TAKES PLACE AND SHALL INSPECT AND DOCUMENT THE EFFECTIVENESS OF ALL SEDIMENT AND EROSION CONTROL PRACTICES.

THE INTENT OF THE EROSION CONTROLS IS TO CONTROL ALL DISTURBED AREAS, SUCH THAT SOILS ARE PROTECTED FROM EROSION BY TEMPORARY METHODS AND, ULTIMATELY, BY PERMANENT VEGETATION.

WHERE VEGETATIVE OR MULCH COVER IS NOT PRACTICAL IN DISTURBED AREAS OF THE SITE, DUST SHALL BE CONTROLLED BY THE USE OF WATER SPRINKLING. THE SURFACE SHALL BE SPRAYED UNTIL WET. DUST CONTROL SHALL CONTINUE UNTIL SUCH TIME AS THE ENTIRE SITE IS ADEQUATELY STABILIZED WITH PERMANENT VEGETATIVE COVER.

POLLUTION PREVENTION PRACTICES FOR PREVENTING LITTER, CONSTRUCTION CHEMICALS (IF APPLICABLE) AND CONSTRUCTION DEBRIS FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGE INCLUDE DAILY PICKUP OF CONSTRUCTION DEBRIS, INSPECTION, AND PHYSICAL CONTROLS SUCH AS SIL FENCING. INSPECTIONS WILL ALSO BE CONDUCTED TO ENSURE THAT DUST CONTROL MEASURES ARE UTILIZED AS NECESSARY. DURING CONSTRUCTION, MAINTENANCE, CONSTRUCTION AND WASTE MATERIALS WILL BE STORED WITHIN SUITABLE AREAS/DUMPSTERS, AS APPROPRIATE, TO MINIMIZE THE EXPOSURE OF THE MATERIALS TO STORMWATER AND SPILL PREVENTION. ALL MAINTENANCE AND CONSTRUCTION WASTE WILL BE DISPOSED OF IN A SAFE MANNER IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

OUTLINED BELOW IS A BRIEF LISTING OF THE CONSTRUCTION SEQUENCING FOR THE PROJECT.

PRIOR TO ANY INTERIOR SITE ACTIVITY, THE OWNER, CONTRACTOR, OWNER'S ENGINEER AND TOWN ENGINEER SHALL HOLD A PRE-CONSTRUCTION MEETING.

FINAL STABILIZATION AS DEFINED BY THE NYSDC SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES GP-0-15-002 IS THE ESTABLISHMENT OF A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF EIGHTY (80) PERCENT COVER FOR THE PVIOUS SURFACE ONCE ALL SOIL DISTURBANCE ACTIVITIES HAVE CEASED. COVER CAN BE VEGETATIVE (E.G., GRASS, TREES, SEED AND MULCH, SHRUBS OR TURF) OR NON-VEGETATIVE (E.G., GEOTEXTILES, RIP-RAP OR GABIONS, PAVEMENT, ROOFS, ETC.).

A perspective view of a filter wall and filter fabric. The filter wall is shown as a vertical structure with a height of 16" MIN. above the ground. The filter fabric is shown as a material with a diamond pattern, extending 10' O.C. MAX. horizontally. The filter fabric is embedded in the ground, with a minimum embedment of 4" MIN. and a maximum embedment of 12" MIN. The ground is labeled "UNDISTURBED GROUND".

1.	FILTER CLOTH TO BE FASTENED SECURELY TO POSTS AT TOP AND MID SECTION.	POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
2.	WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.	FILTER CLOTH: FILTER X, MIRAFI 100X, STABILUNA 140N OR APPROVED EQUAL
3.	MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.	PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

A cross-sectional diagram of a stabilized pile. The pile is a large mound of material with a stippled texture. A line points from the text "STABILIZE ENTIRE PILE WITH VEGETATION OR COVER" to the top surface of the pile. A slope triangle is shown on the right side of the pile, with a vertical side labeled "1" and a horizontal side labeled "2", with the text "SLOPE OR LESS" next to it. At the base of the pile, a horizontal line represents a "SILT FENCE". Below this line, the text "MIN. SLOPE" appears twice, once on the left and once on the right, with arrows pointing downwards and outwards from the base of the pile.

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.

PROFILE

EXISTING GROUND
FILTER CLOTH
30' MIN.
6' MIN.
3'
5/1
EXISTING PAVEMENT
MOUNTABLE BERM (OPTIONAL)

PLAN VIEW

EXISTING GROUND
30' MIN.
12' MIN.
12' MIN.
EXISTING PAVEMENT
10' MIN.
10' MIN.

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - 30 FEET.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. 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.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. 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 51 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

TREE PROTECTION SHALL BE PROVIDED FOR SPECIMEN TREES TO BE SAVED WHICH ARE LOCATED IMMEDIATELY ADJACENT TO CONSTRUCTION AREAS OR AS DIRECTED.

THE APPLICANT SHALL NOTIFY THE TOWN OF OSSINING ENFORCEMENT OFFICIAL AT LEAST 48 HOURS BEFORE ANY OF THE FOLLOWING AS REQUIRED BY THE STORMWATER MANAGEMENT OFFICER:

- START OF CONSTRUCTION.
- INSTALLATION OF SEDIMENT AND EROSION CONTROL MEASURES.
- COMPLETION OF SITE CLEARING.
- COMPLETION OF ROUGH GRADING.
- COMPLETION OF FINAL GRADING.
- CLOSE OF THE CONSTRUCTION SEASON.
- COMPLETION OF FINAL LANDSCAPING.
- SUCCESSFUL ESTABLISHMENT OF LANDSCAPING IN PUBLIC AREAS.

- OWNER/OPERATOR TO OBTAIN ALL NECESSARY PERMITS/APPROVALS.
- OWNER/OPERATOR TO CONDUCT A PRE-CONSTRUCTION MEETING.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL SILT FENCE AND TREE PROTECTION IN LOCATIONS AS INDICATED ON THE PLAN.
- INITIATE DRIVEWAY MODIFICATIONS.
- ROUGH GRADE DRIVEWAY.
- COMMENCE HOUSE RECONSTRUCTION.
- STOCKPILE EXCAVATED SOIL IN SOIL STOCKPILE LOCATIONS TO RECLAIM FOR FURTHER USE (I.E., LANDSCAPING).
- INSTALL UNDERGROUND INFILTRATION SYSTEM.
- PROVIDE DUST CONTROL DURING CONSTRUCTION AS NECESSARY.
- FINAL GRADE DRIVEWAY.
- INSTALL DRIVEWAY PAVEMENT.

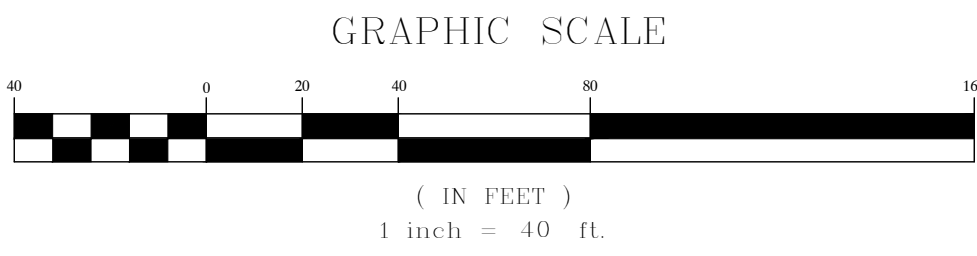
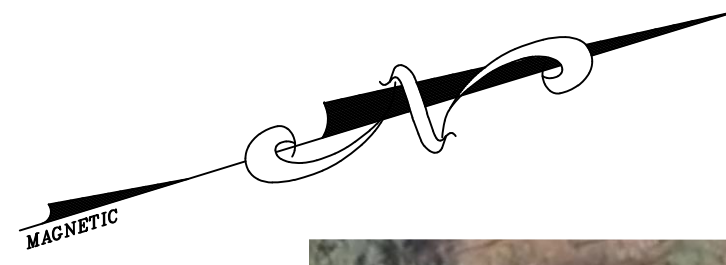
- RE-VEGETATE ALL DISTURBED AREAS.
- FINAL STABILIZE ALL DISTURBED AREAS.
- REMOVE SILT FENCE AND ALL EROSION CONTROL PARAMETERS UPON SITE'S FINAL STABILIZATION.

Diagram illustrating the construction of a 2' x 4' wood frame. The frame is shown with dimensions: 2' X 4' WOOD FRAME, 1'-6" MIN. (height), and FILTER FABRIC STAKE. The frame is used to bury the filter fabric stake 1' MIN. into the ground, with the stake being 1' MIN. thick. The diagram also shows the stake being buried 1' MIN. into the ground, with the stake being 1' MIN. thick.

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUM DRAINAGE AREA = 1 ACRE

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LEGEND

- SITE EXISTING AND PROPOSED PROPERTY LINES
- EXISTING WETLAND/STREAM
- 100' WETLAND/STREAM BUFFER
- PROPOSED RESIDENCE

NOTES:

1. AERIAL INFORMATION OBTAINED FROM WESTCHESTER COUNTY G.I.S. MAPPING DATED 2007.

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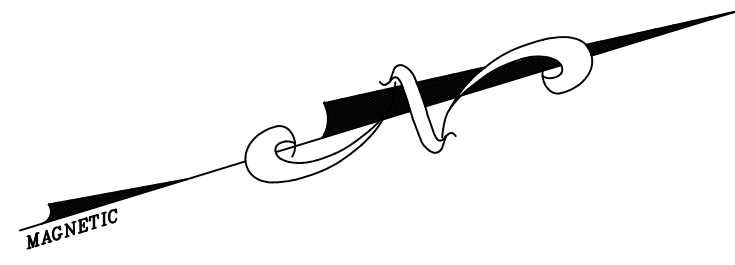
AERIAL PLAN
WILLIAM BUTLER SUBDIVISION

TOWN OF OSSING WESTCHESTER COUNTY, NEW YORK

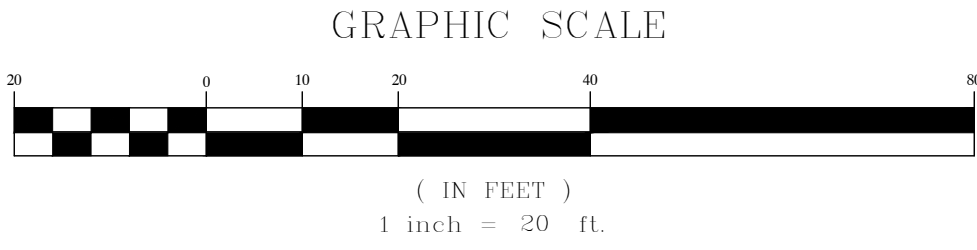
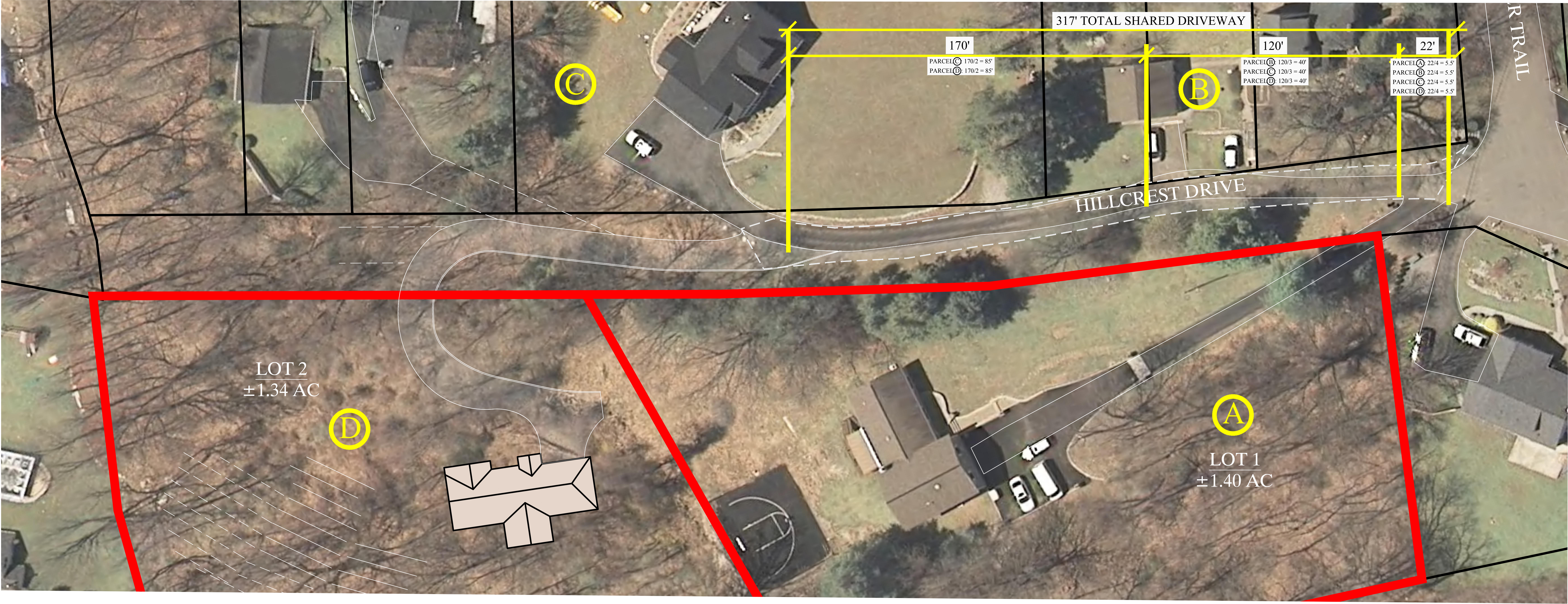
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2.	OCTOBER 10, 2017 - ZBA COMMENTS	DATE:
1.	JUNE 13, 2017	APRIL 10, 2017
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TOTAL PERCENTAGE OF DRIVEWAY MAINTENANCE RESPONSIBILITY	
PARCEL A : 5.5' / 312' =	1.8%
PARCEL B : 40' + 5.5' = 45.5' / 312' =	14.6%
PARCEL C : 85' + 40' + 5.5' = 130.5' / 312' =	41.8%
PARCEL D : 85' + 40' + 5.5' = 130.5' / 312' =	41.8%



LEGEND	
	SITE EXISTING AND PROPOSED PROPERTY LINES
	PROPOSED RESIDENCE
	PROPERTY OWNER CONTRIBUTING TO COMMON DRIVEWAY MAINTENANCE

NOTES:
1. AERIAL INFORMATION OBTAINED FROM WESTCHESTER COUNTY
G.I.S. MAPPING DATED 2007.

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DRIVEWAY MAINTENANCE PLAN
WILLIAM BUTLER SUBDIVISION

TOWN OF OSSINGWESTCHESTER COUNTY, NEW YORK

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PROJECT ID:
BLR100

DATE:
OCTOBER 23, 2017

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