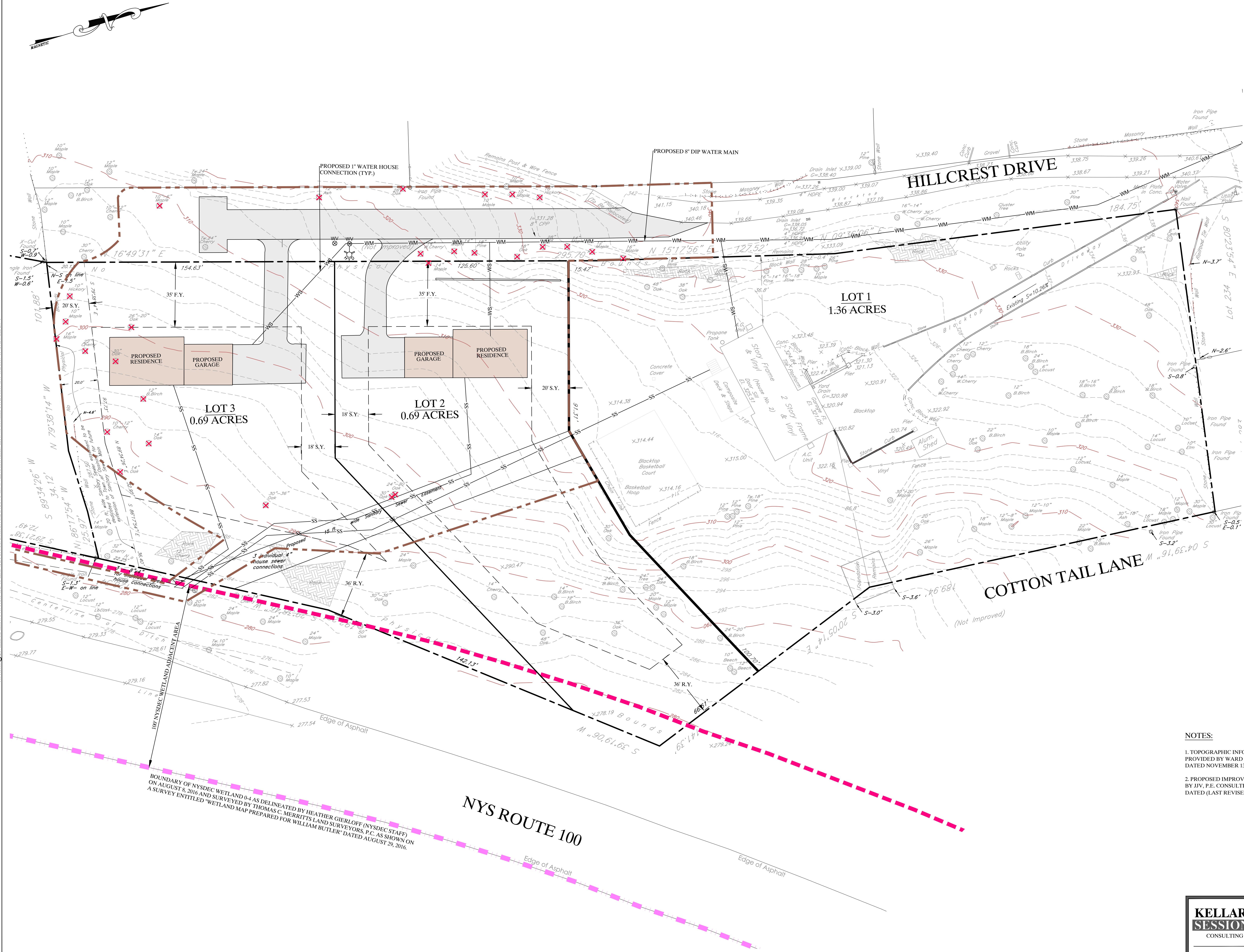


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SITE DATA

SITE LOCATION: 2 HILLCREST DRIVE
OSSINING, NY 10562

OWNER/APPLICANT: WILLIAM BUTLER

SITE AREA: 2.54 ACRES

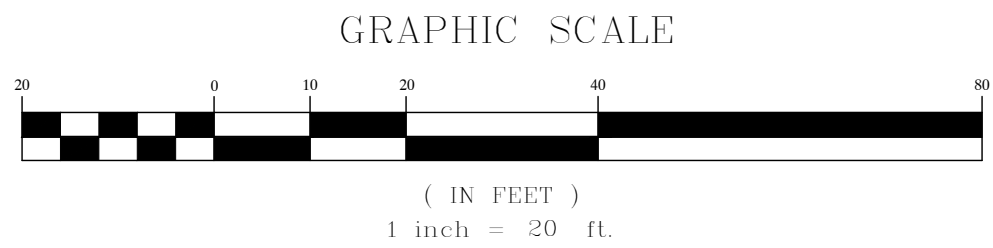
ZONING DISTRICT: R-30

TREES TO BE REMOVED

1. 24" OAK
2. 30" OAK
3. 30" OAK
4. 14" OAK
5. 14" OAK
6. 10" CHERRY
7. 12" B. BIRCH
8. 30" OAK
9. 22" CHERRY
10. 16" MAPLE
11. 10" MAPLE
12. 10" HICKORY
13. 26" OAK
14. 10" MAPLE
15. 12" ASH
16. 26" OAK
17. 14" W. CHERRY
18. 10" HICKORY
19. 14" MAPLE
20. 12" MAPLE
21. 18" PINE
22. 18" OAK
23. 28" OAK
24. 14" MAPLE
25. 12" MAPLE
26. 16" MAPLE
27. 10" MAPLE
28. 10" MAPLE
29. 10" MAPLE
30. 10" MAPLE

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 OSSINING WESTCHESTER COUNTY, NEW YORK

10	9	8	7	6	5	4	3	2	1

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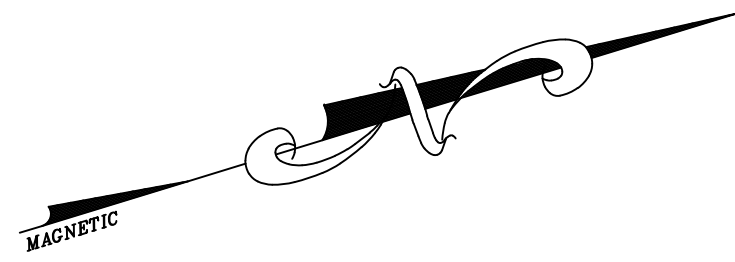
PROJECT ID:
BLR100

DATE:
APRIL 10, 2017

REVISIONS

UNAUTHORIZED ADDITIONS, MODIFICATIONS AND/OR ALTERATIONS TO THESE PLANS IS A VIOLATION OF SECTION 17(2)(b) OF THE NEW YORK STATE EDUCATION LAW

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Point of View
Fence

DEER TRAIL

APPROXIMATE LOCATION OF EXISTING HYDRANT

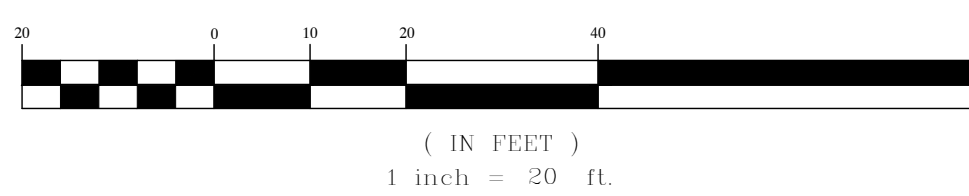
LEGEND

- 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'-66"	TOPSOIL SILTY SANDS TIGHT COMPACT GRAY/TAN SILTY LOAM LEDGE @ 66'	
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" 56'-84"	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

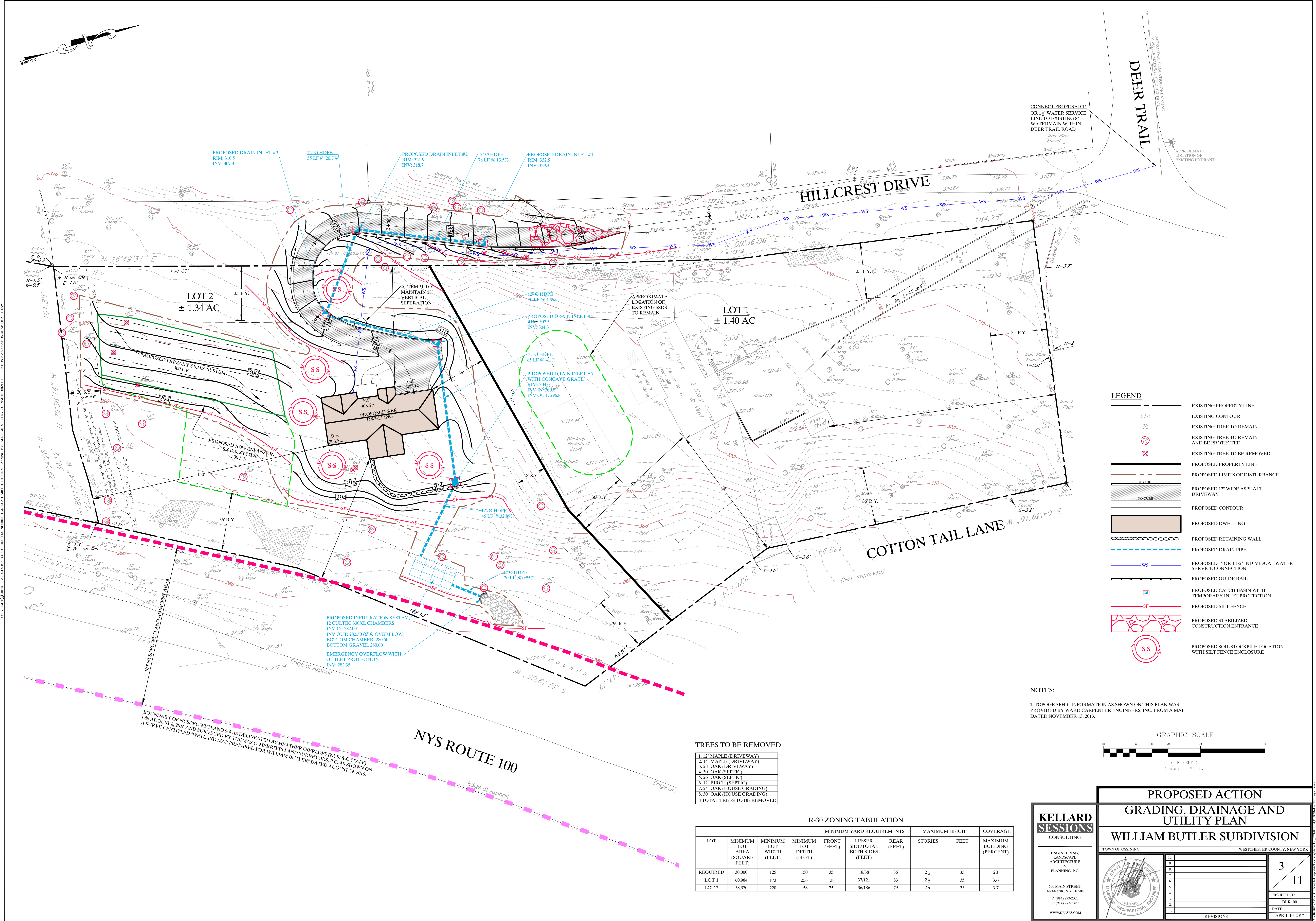
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DATE:
APRIL 10, 2017

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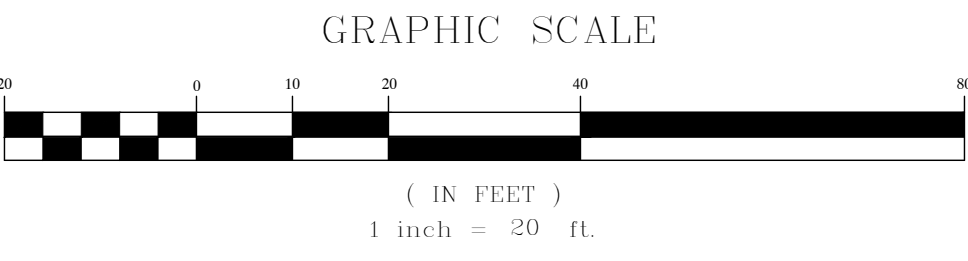


LEGEND

- EXISTING PROPERTY LINE
- EXISTING CONTOUR
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- PROPOSED PROPERTY LINE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED 12" WIDE ASPHALT DRIVEWAY
- PROPOSED CONTOUR
- PROPOSED DWELLING
- PROPOSED RETAINING WALL
- PROPOSED DRAIN PIPE
- WS
- PROPOSED 1" OR 1 1/2" INDIVIDUAL WATER SERVICE CONNECTION
- PROPOSED GUIDE RAIL
- PROPOSED CATCH BASIN WITH TEMPORARY INLET PROTECTION
- PROPOSED SILT FENCE
- PROPOSED STABILIZED CONSTRUCTION ENTRANCE
- PROPOSED SOIL STOCKPILE LOCATION WITH SILT FENCE ENCLOSURE

NOTES:

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



TREES TO BE REMOVED

1. 12" MAPLE (DRIVEWAY)
2. 14" MAPLE (DRIVEWAY)
3. 28" OAK (DRIVEWAY)
4. 30" OAK (SEPTIC)
5. 26" OAK (SEPTIC)
6. 12" BIRCH (SEPTIC)
7. 24" OAK (HOUSE GRADING)
8. 30" OAK (HOUSE GRADING)
8 TOTAL TREES TO BE REMOVED

R-30 ZONING TABULATION

LOT	MINIMUM LOT AREA (SQUARE FEET)	MINIMUM LOT WIDTH (FEET)	MINIMUM LOT DEPTH (FEET)	MINIMUM YARD REQUIREMENTS			MAXIMUM HEIGHT		COVERAGE
				FRONT (FEET)	LESSER SIDE/TOTAL BOTH SIDES (FEET)	REAR (FEET)	STORIES	FEET	
REQUIRED	30,000	125	150	35	18/28	36	2 1/2	35	20
LOT 1	60,984	173	256	138	37/121	83	2 1/2	35	3.6
LOT 2	58,570	220	158	75	36/186	79	2 1/2	35	3.7

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PROPOSED ACTION

GRADING, DRAINAGE AND UTILITY PLAN

WILLIAM BUTLER SUBDIVISION

TOWN OF OSSING WESTCHESTER COUNTY, NEW YORK

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PROJECT ID: BLR100

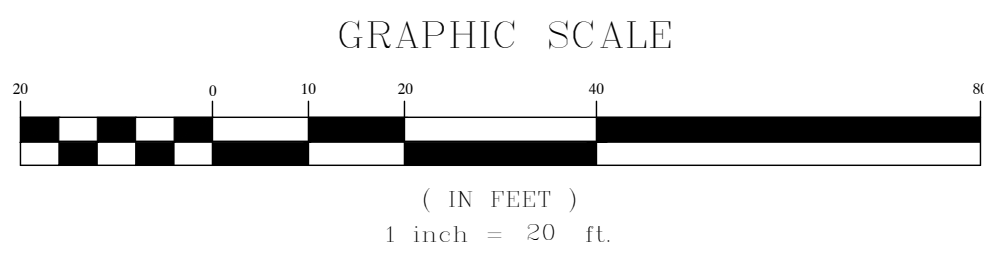
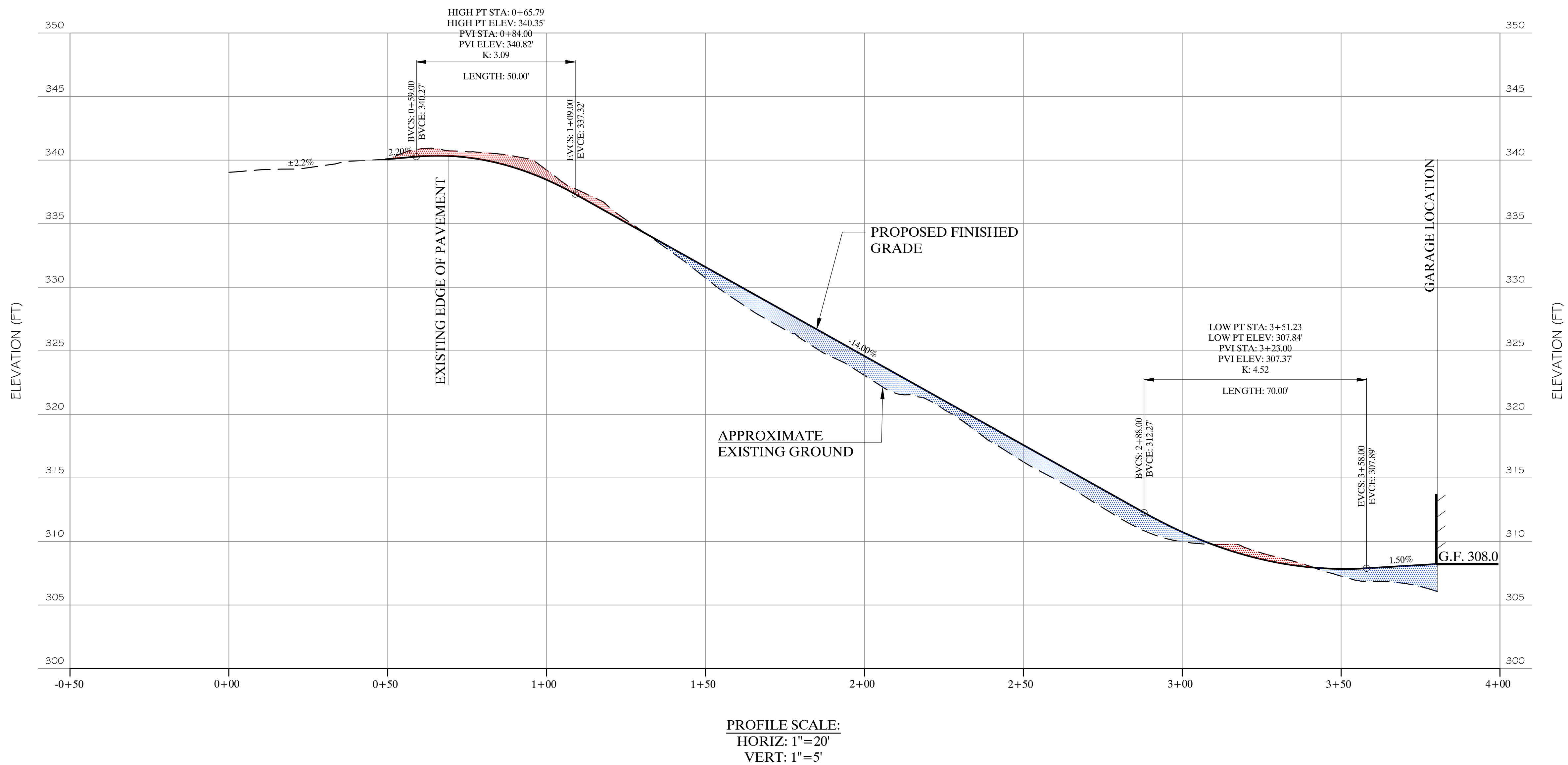
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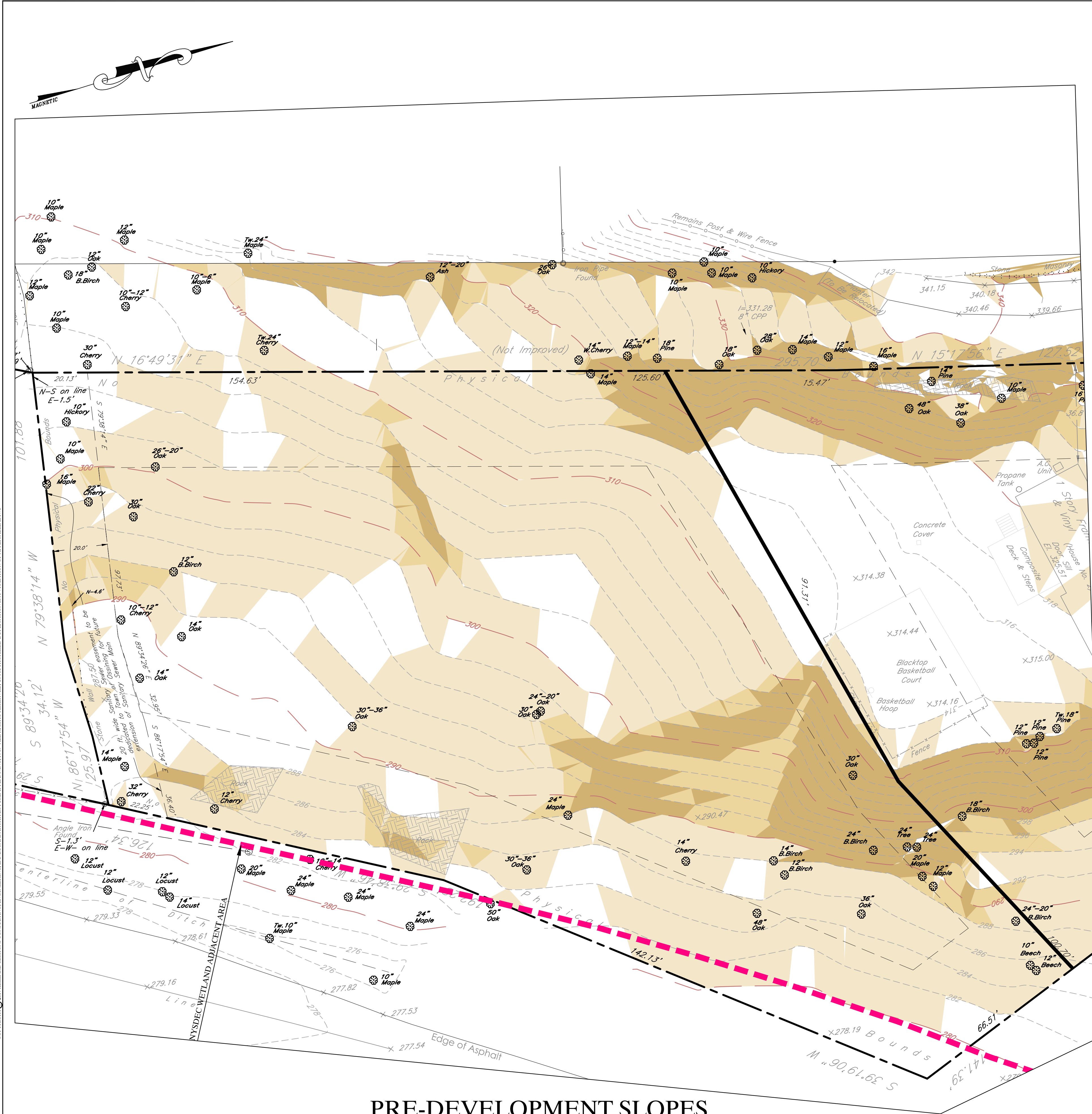
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KELLARD SESSIONS CONSULTING	PROPOSED ACTION												
	DRIVEWAY PROFILE												
	WILLIAM BUTLER SUBDIVISION												
	TOWN OF OSSINING	WESTCHESTER COUNTY, NEW YORK											
ENGINEERING, LANDSCAPE ARCHITECTURE PLANNING, P.C.	<table><tr><td>10</td><td rowspan="10"> 4 11 </td></tr><tr><td>9</td></tr><tr><td>8</td></tr><tr><td>7</td></tr><tr><td>6</td></tr><tr><td>5</td></tr><tr><td>4</td></tr><tr><td>3</td></tr><tr><td>2</td></tr><tr><td>1</td></tr></table>		10	4 11	9	8	7	6	5	4	3	2	1
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500 MAIN STREET ARMONK, N.Y. 10504 P: (914) 275-2323 F: (914) 275-2329 WWW.KELSES.COM	<table><tr><td>PROJECT ID:</td><td>BLR100</td></tr><tr><td>DATE:</td><td>APRIL 10, 2017</td></tr></table>		PROJECT ID:	BLR100	DATE:	APRIL 10, 2017							
PROJECT ID:	BLR100												
DATE:	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.

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

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	10,214 SF
25 - 35% SLOPES	2,253 SF
35% SLOPES OR GREATER	2,067 SF

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SLOPES DISTURBANCE PLAN
WILLIAM BUTLER SUBDIVISION

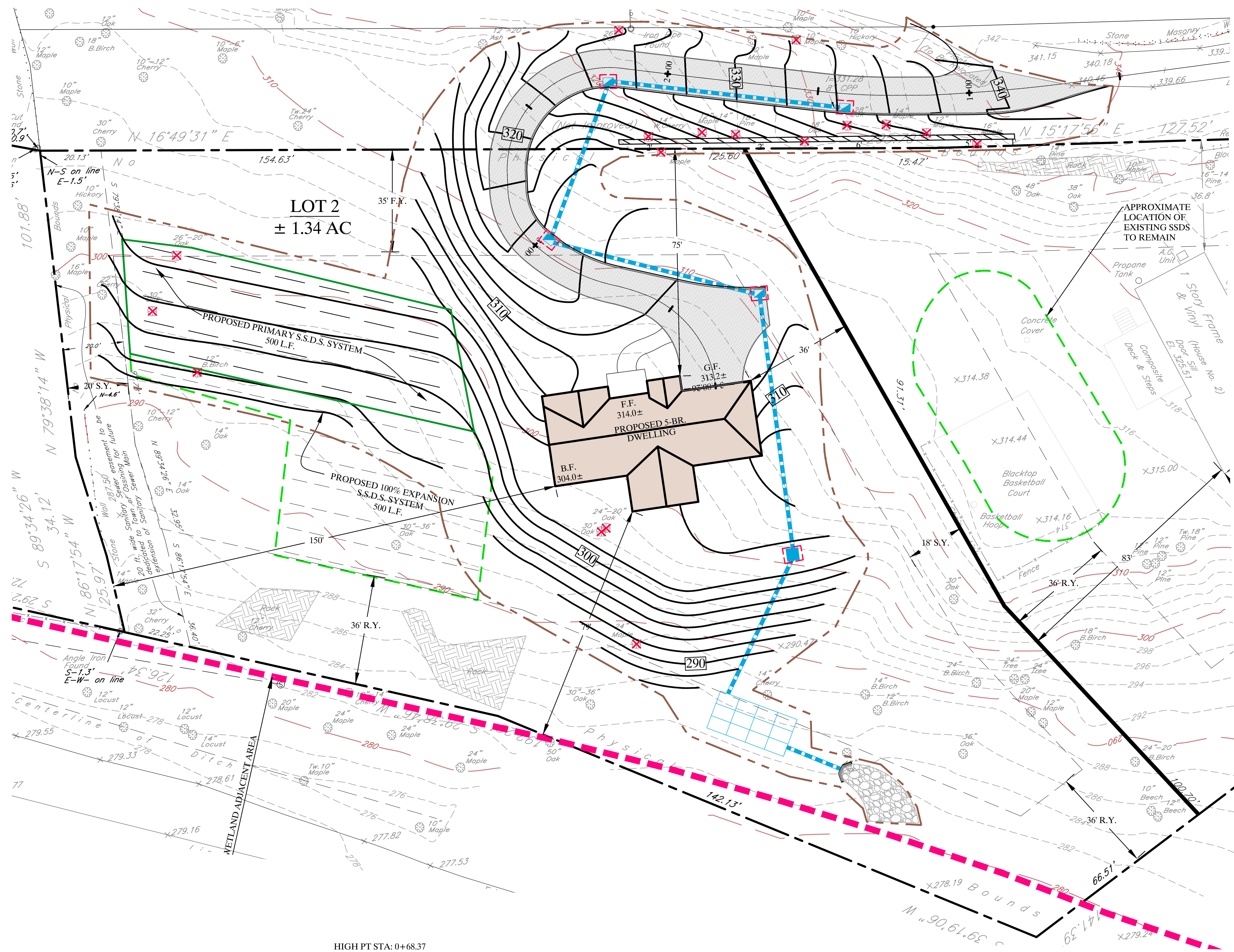
TOWN OF OSSINGWESTCHESTER COUNTY, NEW YORK

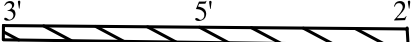
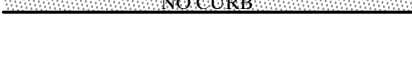
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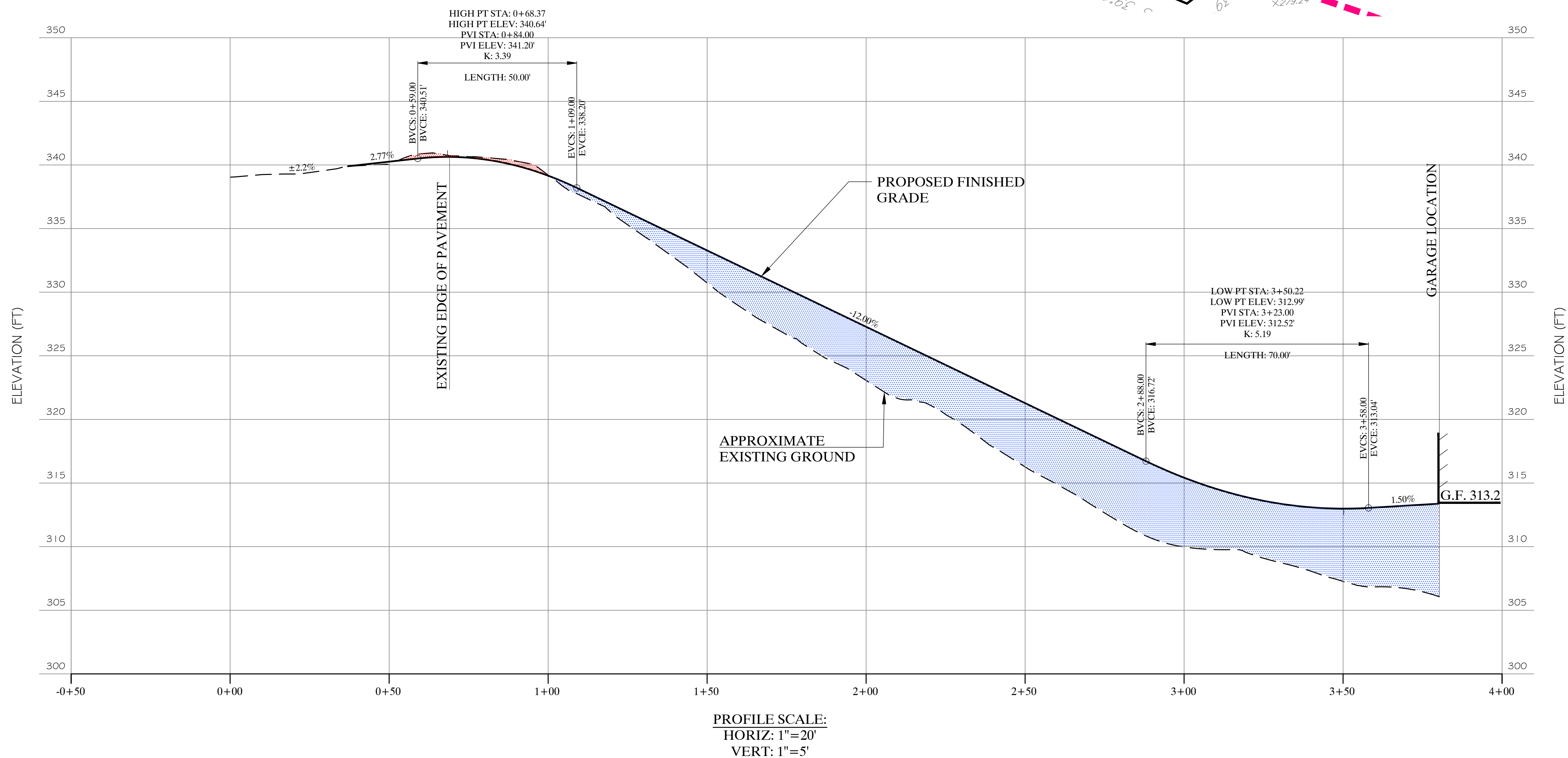
UNAUTHORIZED ADDITIONS, MODIFICATIONS AND/OR ALTERATIONS TO THESE PLANS IS A VIOLATION OF SECTION 206(3) OF THE NEW YORK STATE EDUCATION LAW



- ### 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 |

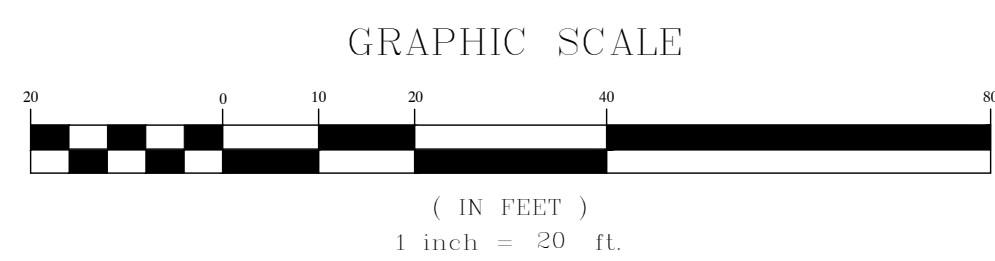
TREES TO BE REMOVED

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. 26" OAK (DRIVEWAY)
11. 10" MAPLE (DRIVEWAY)
12. 24" OAK (HOUSE GRADING)
13. 30" OAK (HOUSE GRADING)
14. 24" MAPLE (HOUSE GRADING)
15. 26" OAK (SEPTIC)
16. 30" OAK (SEPTIC)
17. 12" BIRCH (SEPTIC)
17 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.



ALTERNATIVE "A"

12 PERCENT DRIVEWAY GRADE

SITE PLAN AND PROFILE

WILLIAM BUTLER SUBDIVISION

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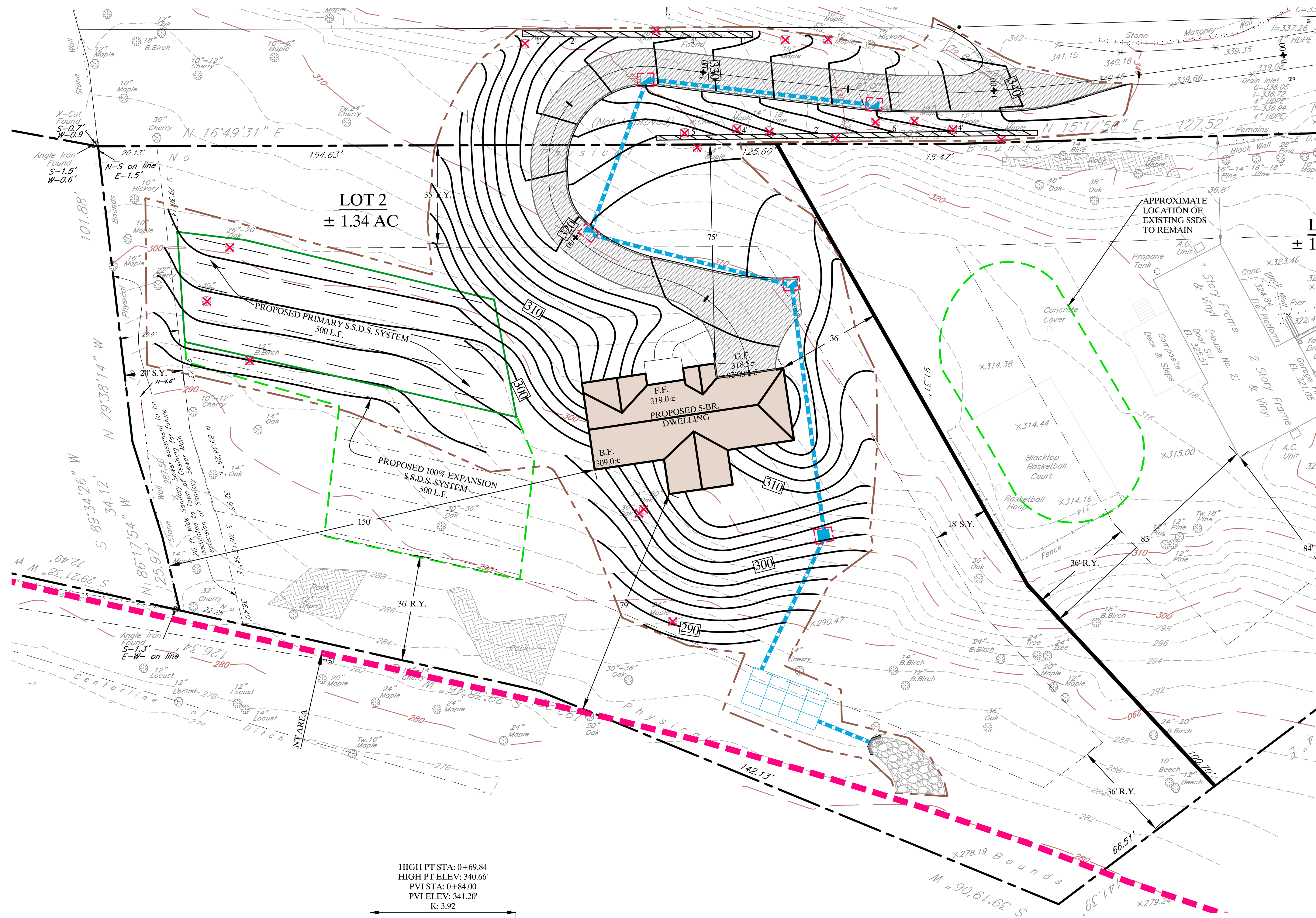
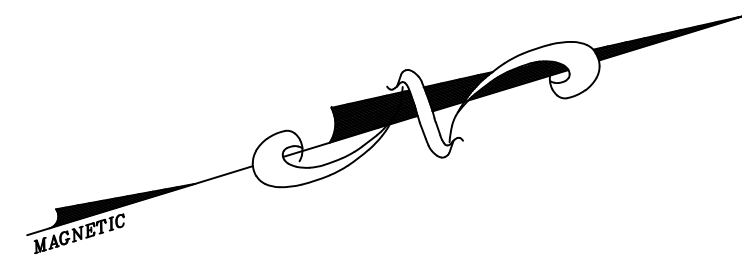
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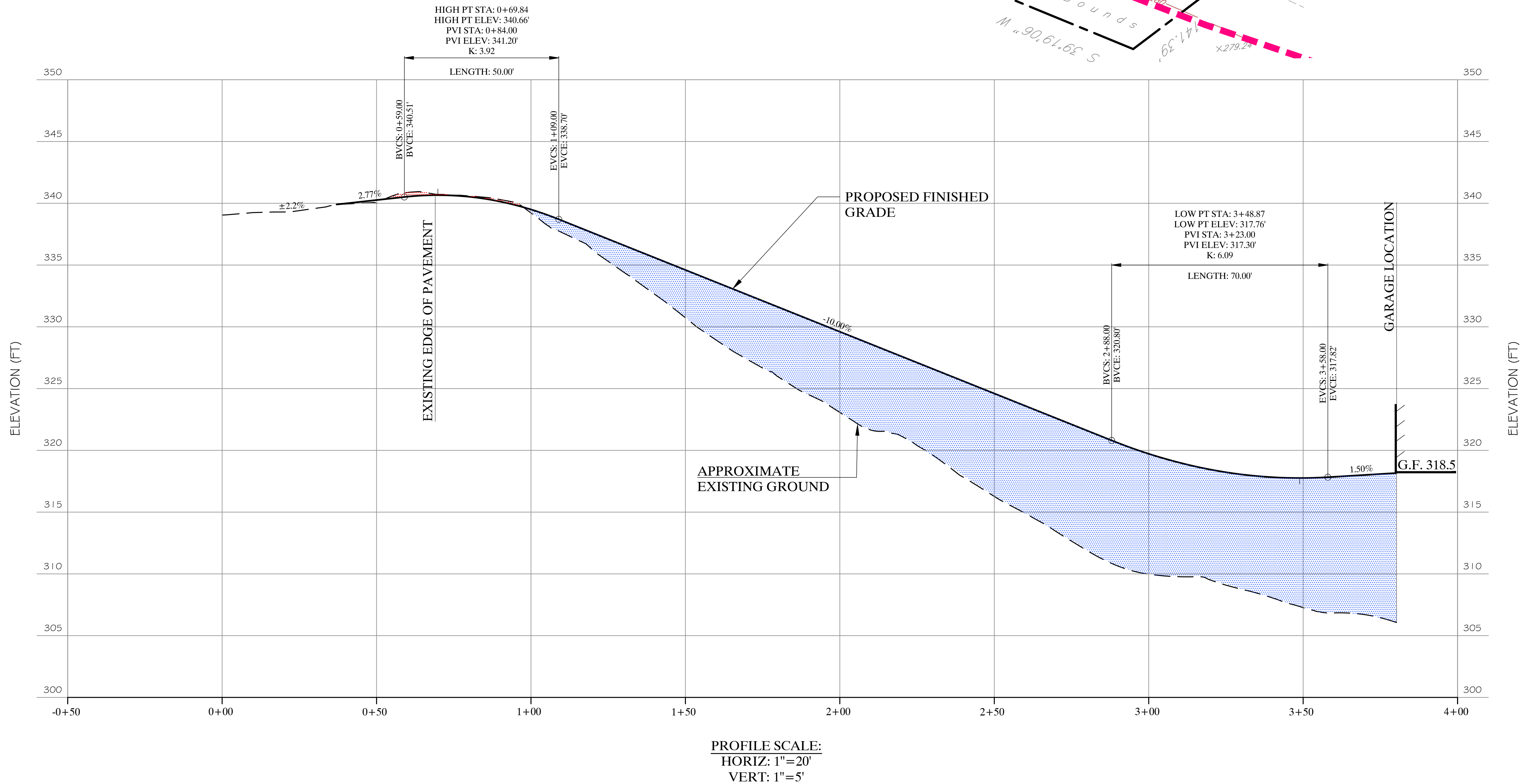
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- LEGEND**
- EXISTING PROPERTY LINE
 - EXISTING CONTOUR
 - PROPOSED PROPERTY LINE
 - PROPOSED CONTOUR
 - PROPOSED DWELLING
 - PROPOSED RETAINING WALL WITH WALL HEIGHTS
 - PROPOSED DRAIN PIPE
 - PROPOSED CATCH BASIN WITH TEMPORARY INLET PROTECTION
 - 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

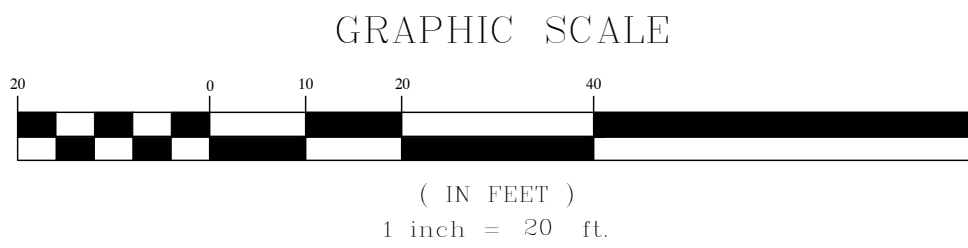
TREES TO BE REMOVED

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.



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ALTERNATIVE "B"
10 PERCENT DRIVEWAY GRADE
SITE PLAN AND PROFILE
WILLIAM BUTLER SUBDIVISION

TOWN OF OSSING WESTCHESTER COUNTY, NEW YORK

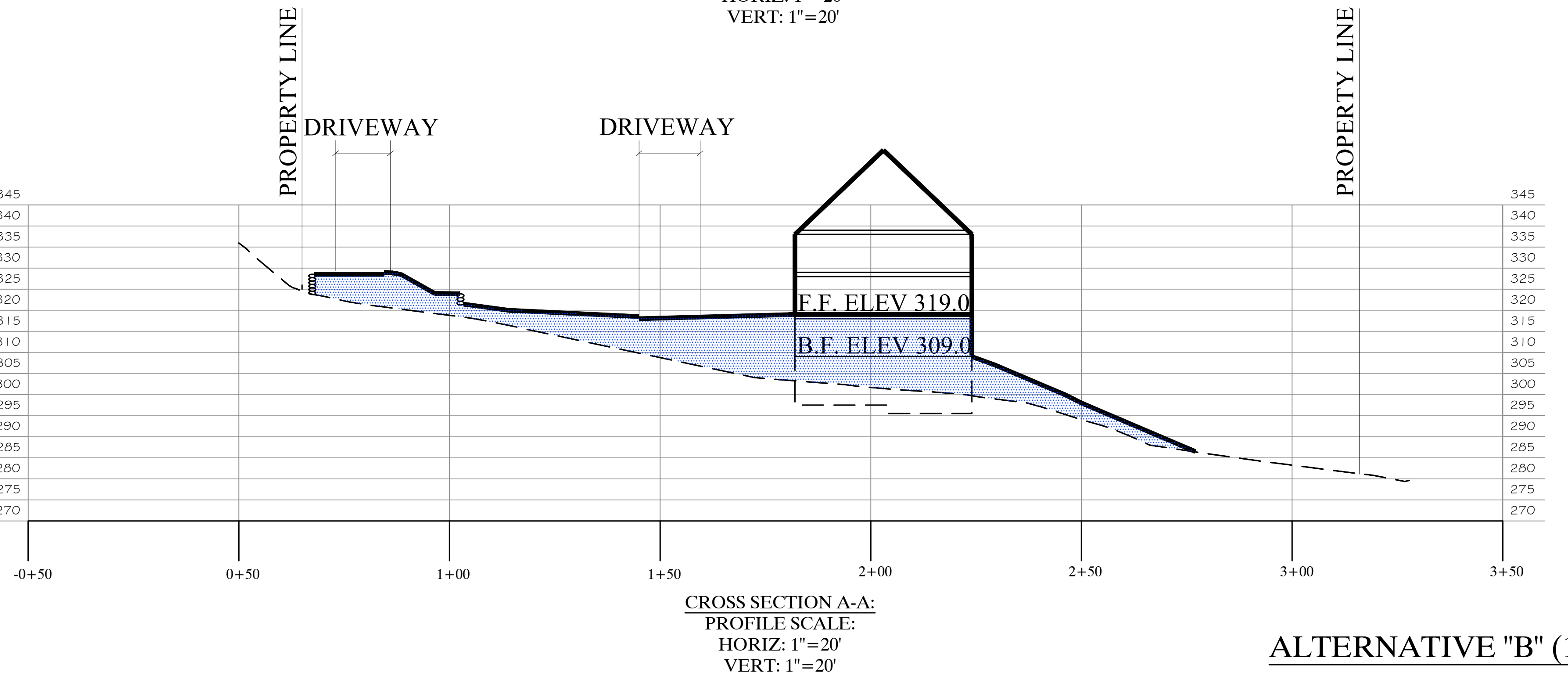
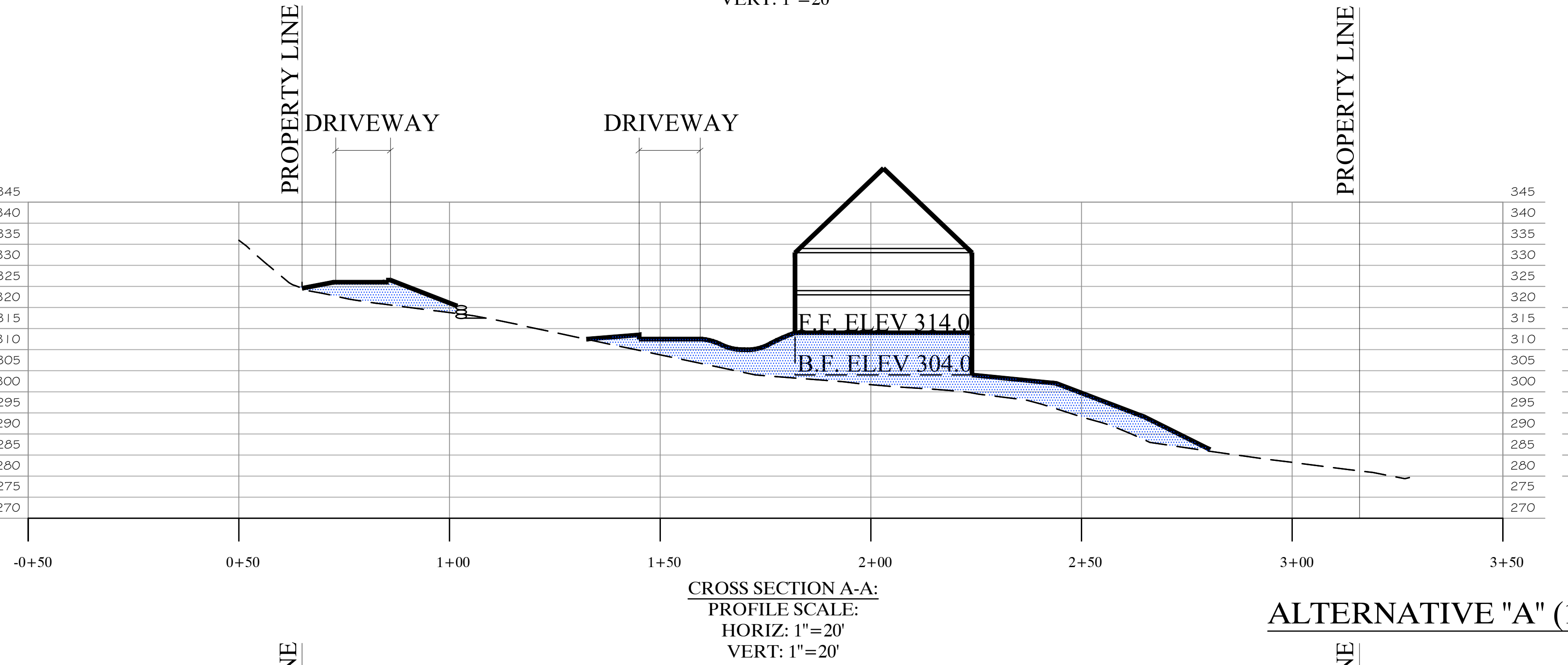
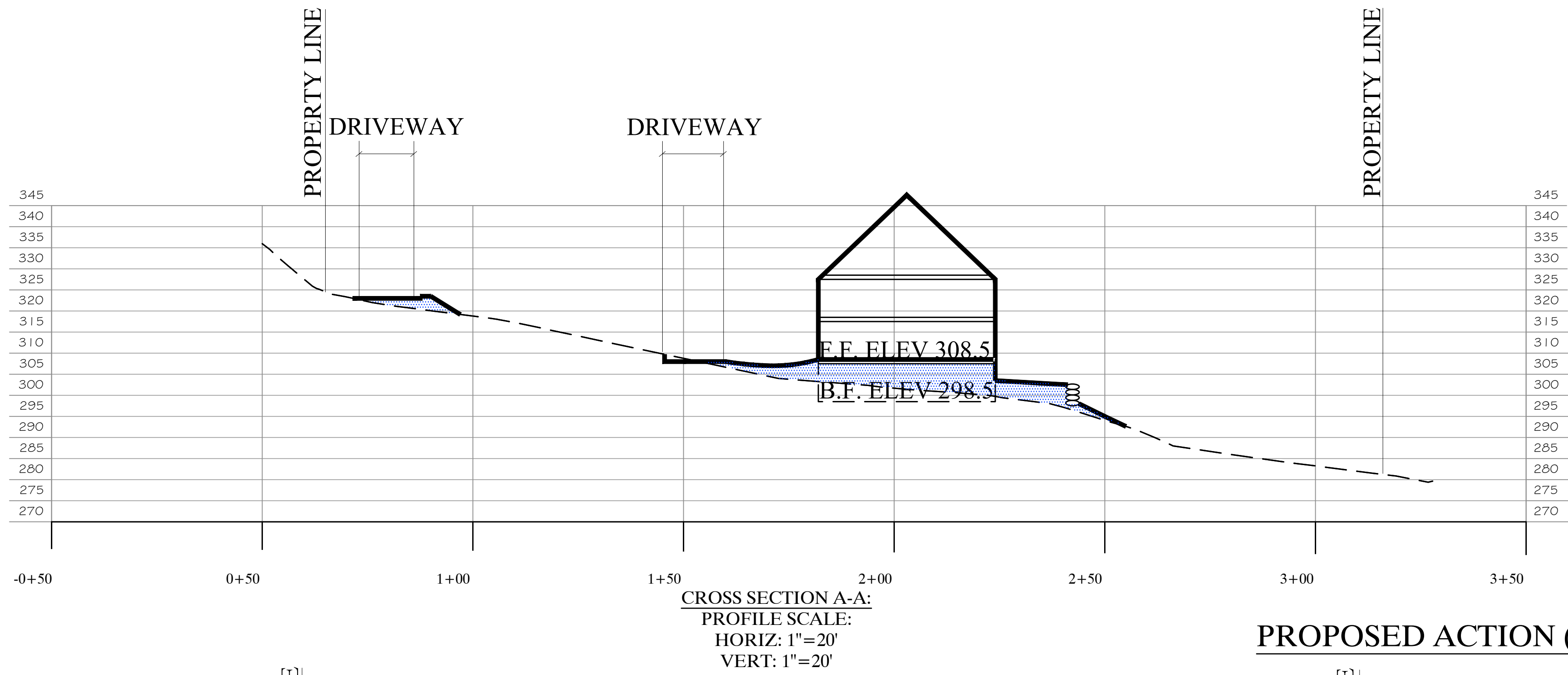
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PROJECT ID:
BLR100

DATE:
APRIL 10, 2017

REVISIONS

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PROJECT ID:
BLR100

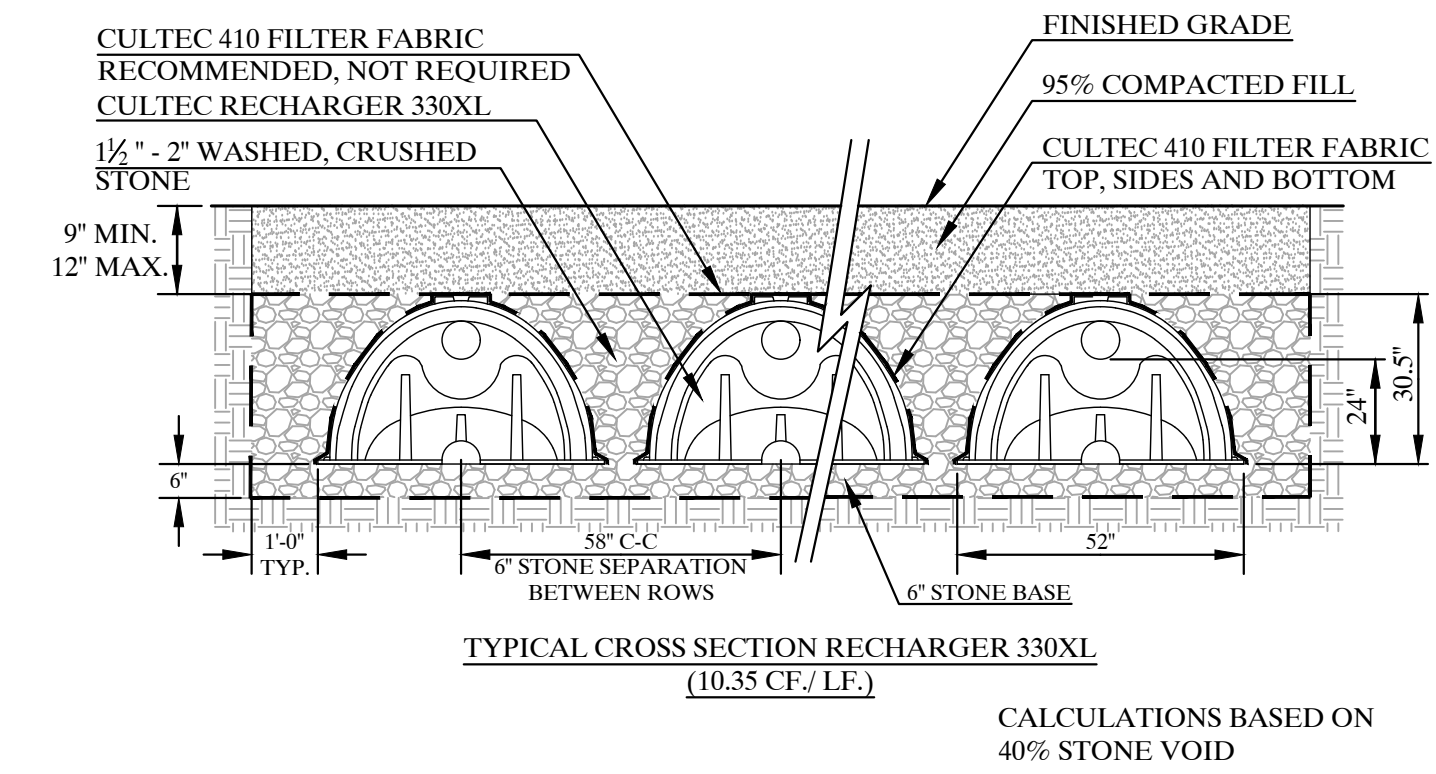
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REFER TO SHEET 8/11 FOR
SITE SECTIONS

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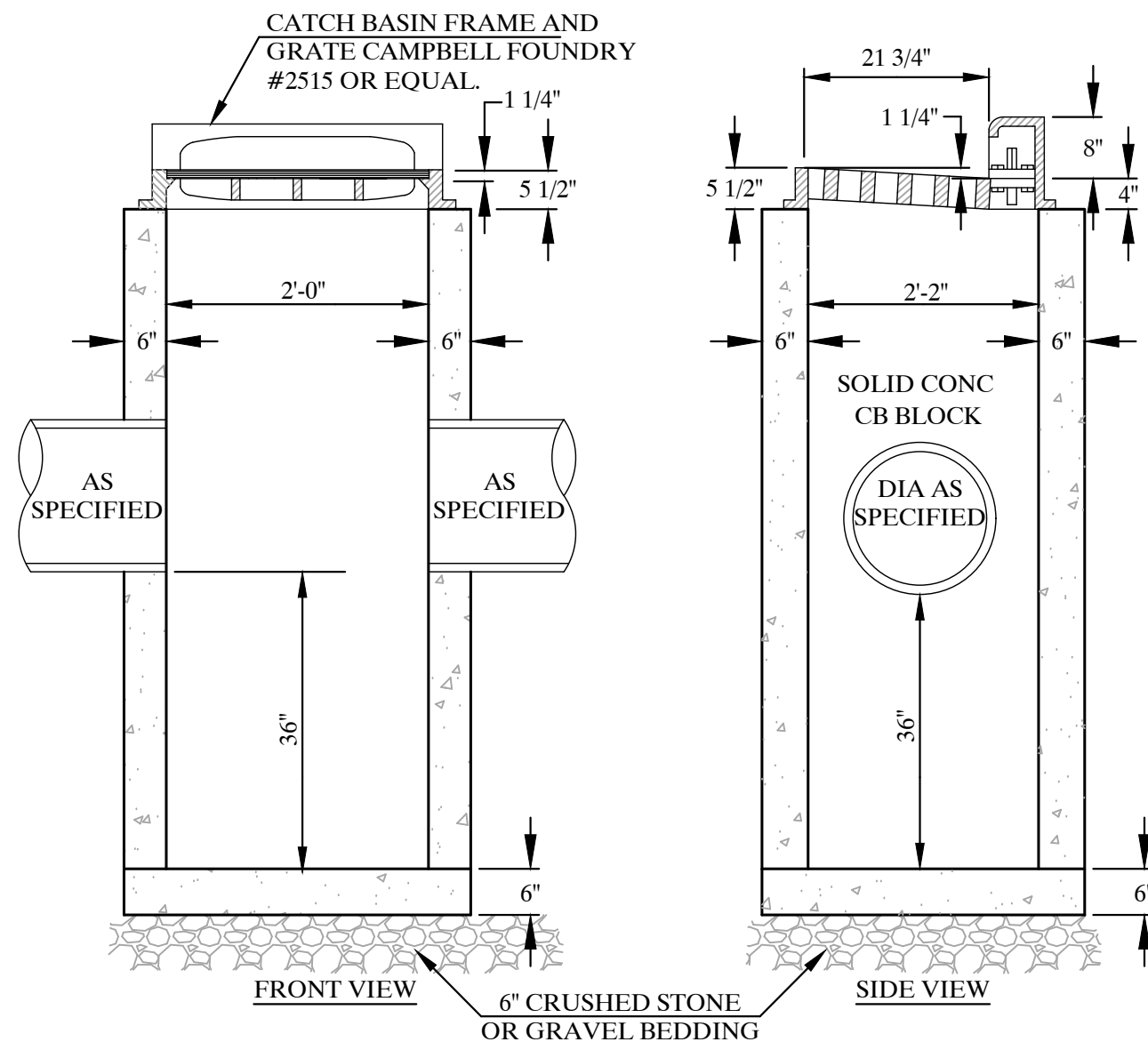
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CULTEC RECHARGER 330 XL DETAIL (N.T.S.)



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 14-20 HEAVY DUTY UNITS ARE MARKED WITH A 4\"/>

CATCH BASIN DETAIL (N.T.S.)

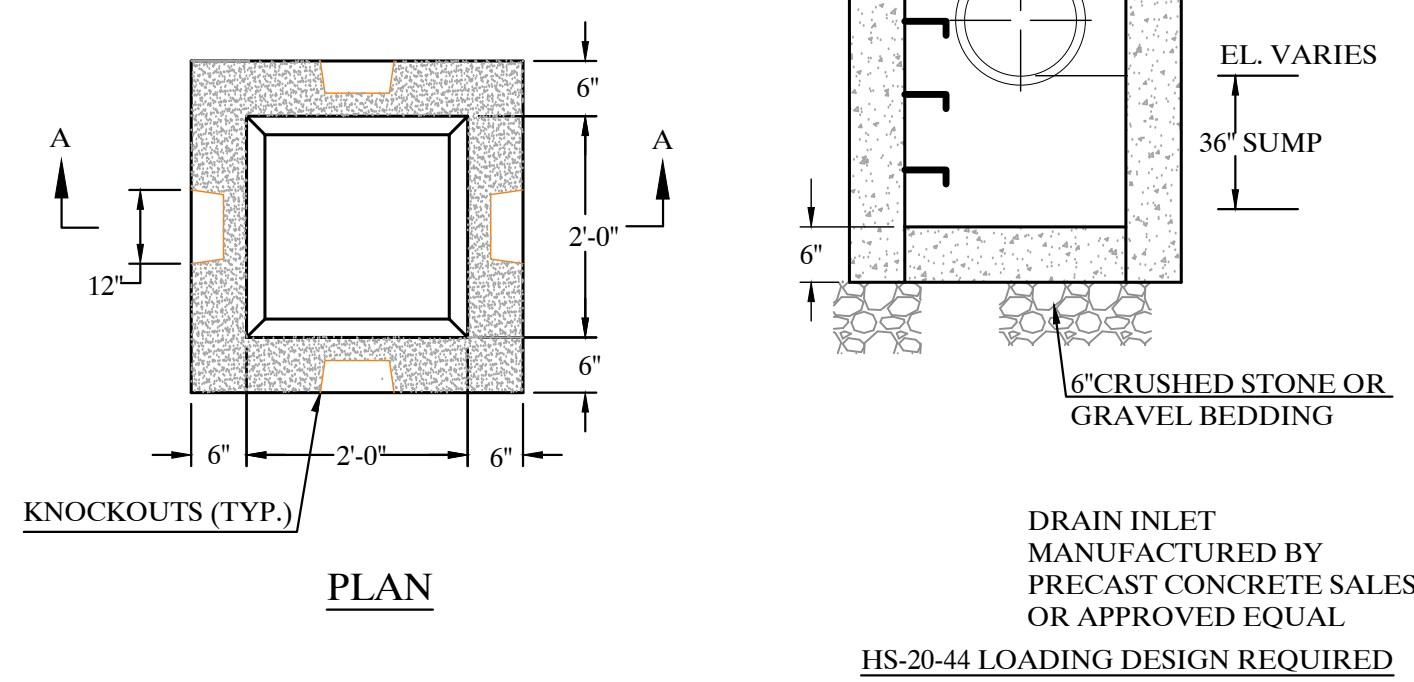


NOTE:
TYPE A CATCH BASIN AS SHOWN HERE ON WILL BE UTILIZED WHERE THE NEED FOR A DROP INLET EXISTS. THE CURB TYPE CASTING SHALL BE SUBSTITUTED WITH CAMPBELL FOUNDRY FRAME AND GRATE # 3433 OR EQUAL.

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

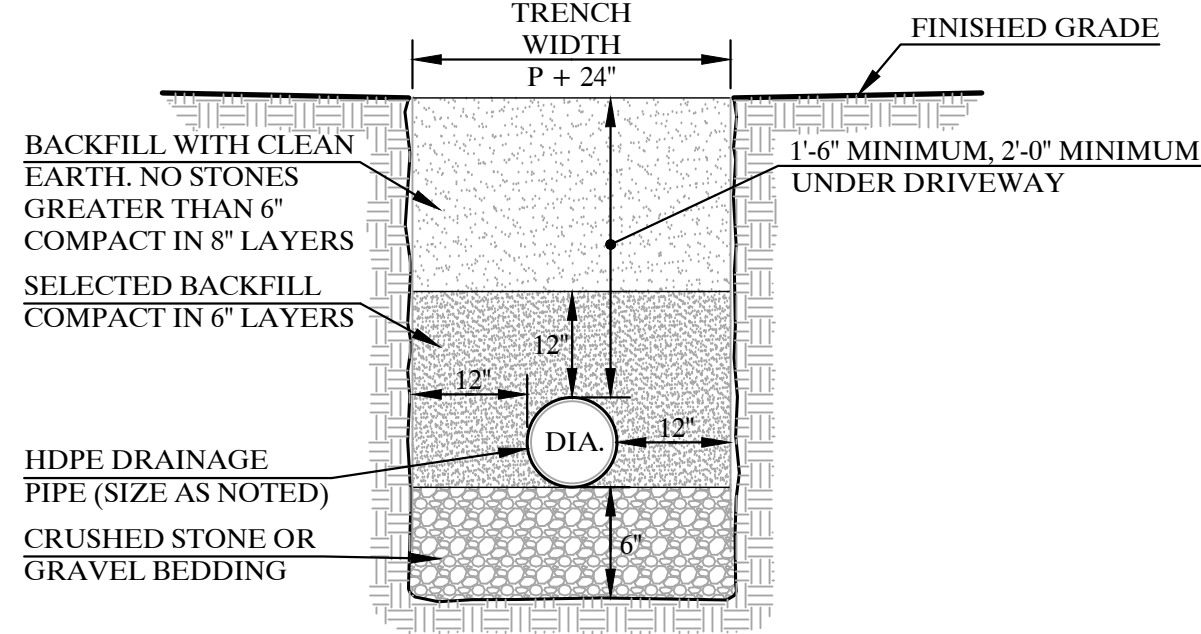
GENERAL NOTES:

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

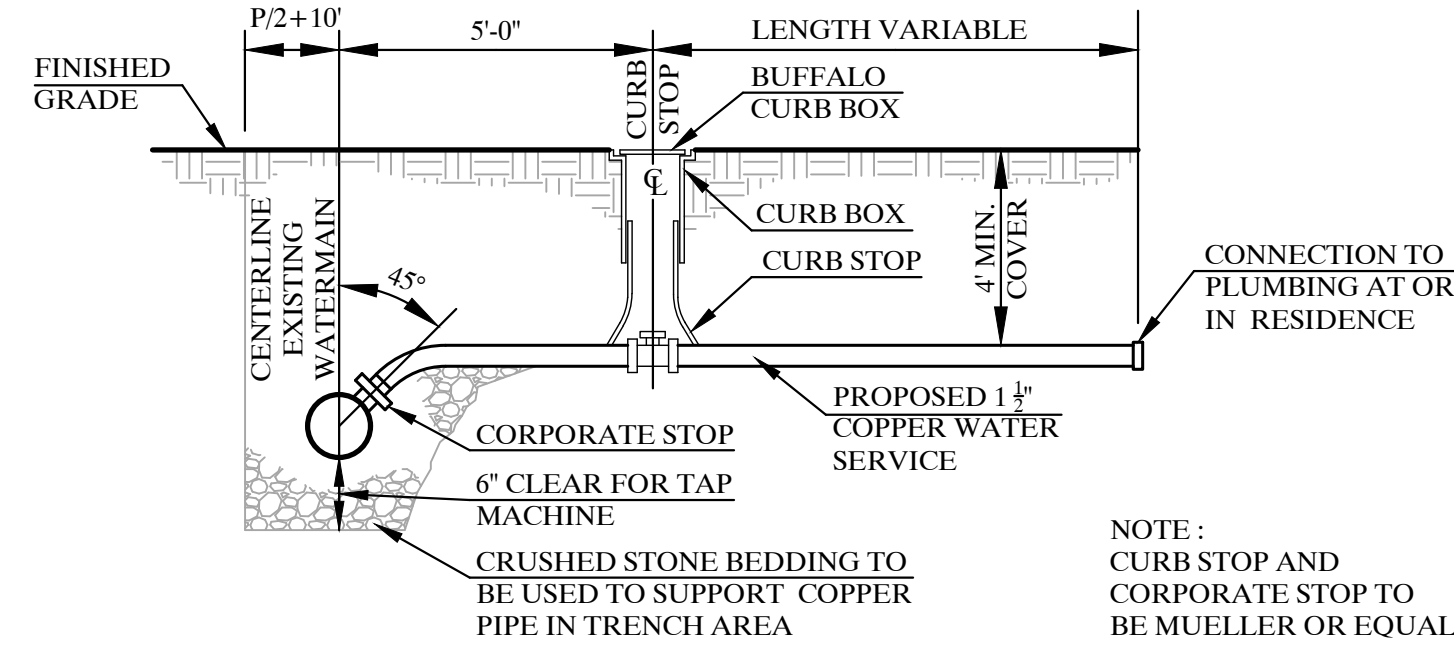


DRAIN INLET MANUFACTURED BY PRECAST CONCRETE SALES OR APPROVED EQUAL
HS-20-44 LOADING DESIGN REQUIRED

DRAINAGE TRENCH DETAIL (N.T.S.)

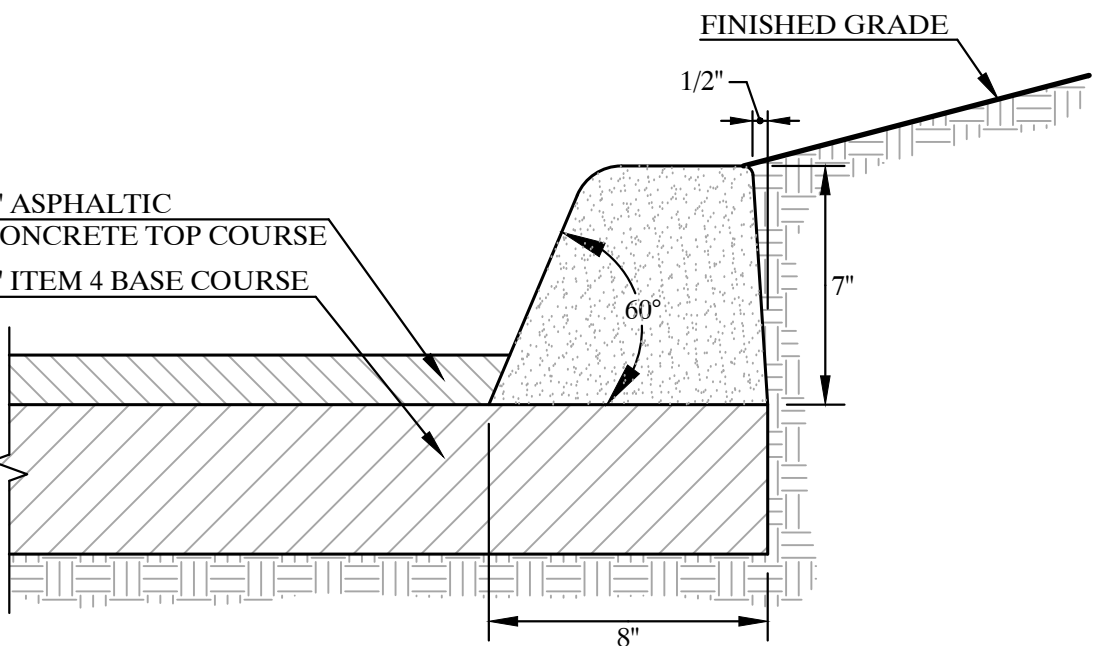


WATER SERVICE CONNECTION DETAIL (N.T.S.)

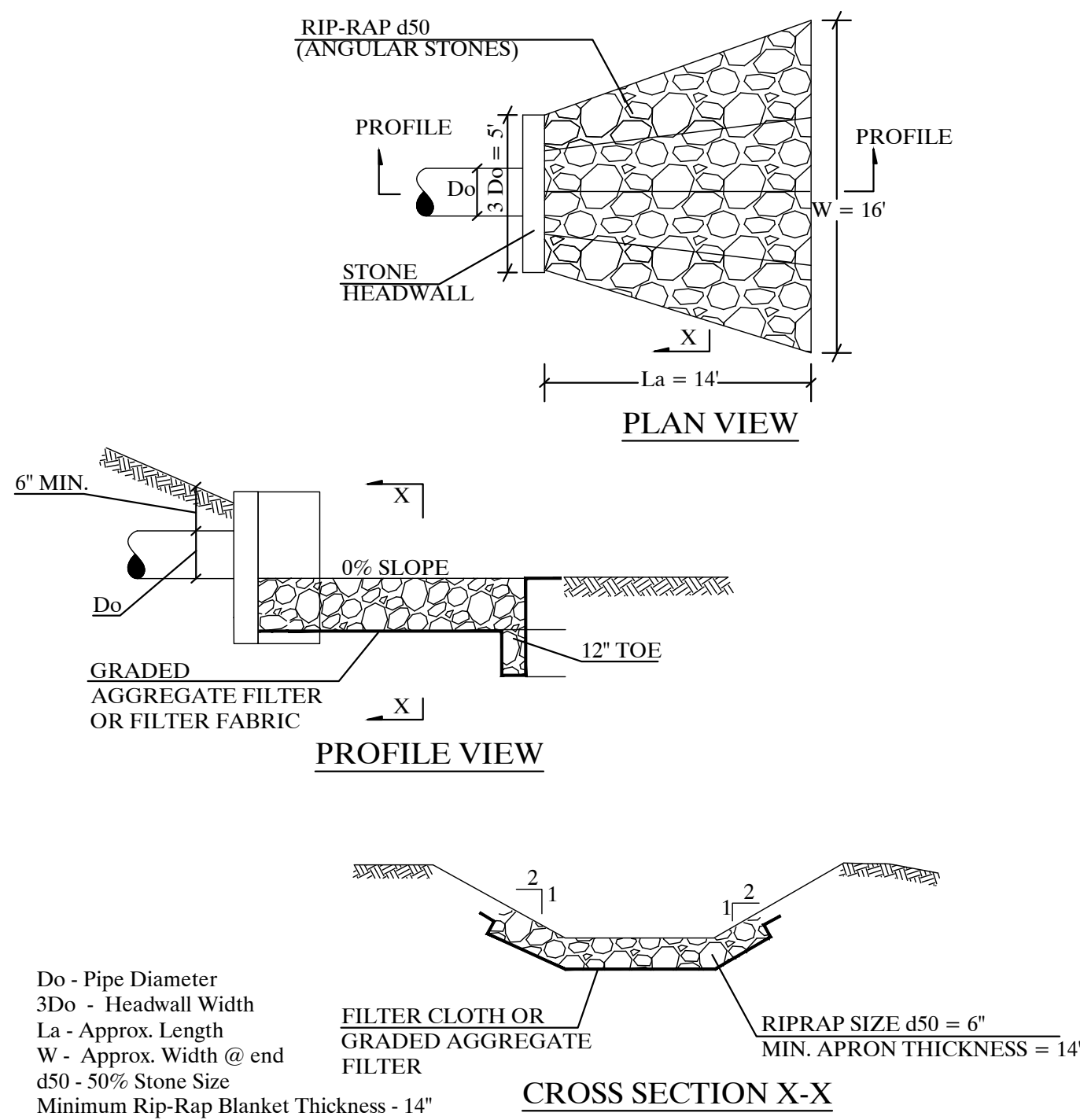


NOTE:
CURB STOP AND CORPORATE STOP TO BE MUELLER OR EQUAL

ASPHALTIC CONCRETE CURB DETAIL (N.T.S.)

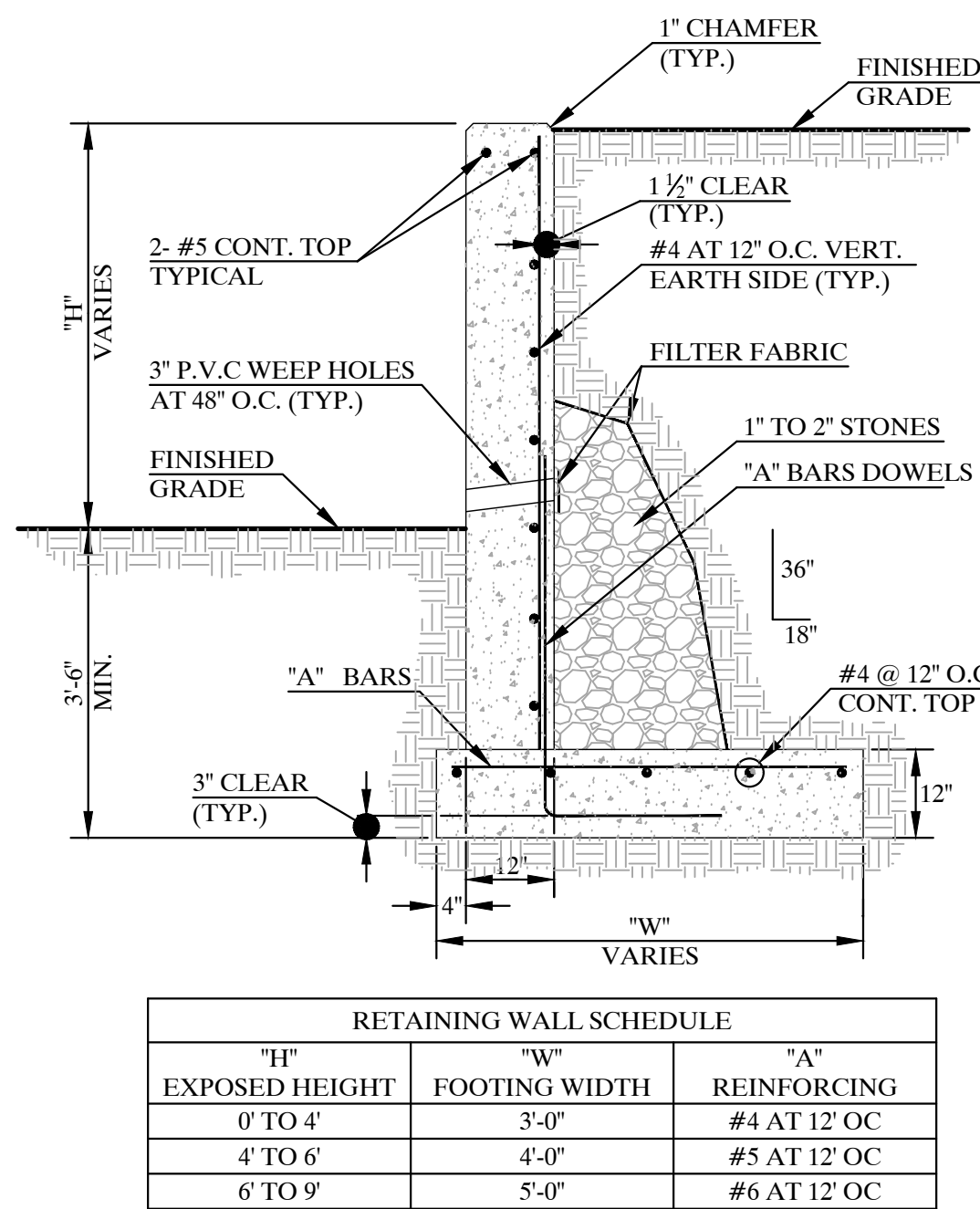


RIP RAP OUTLET PROTECTION DETAIL (N.T.S.)



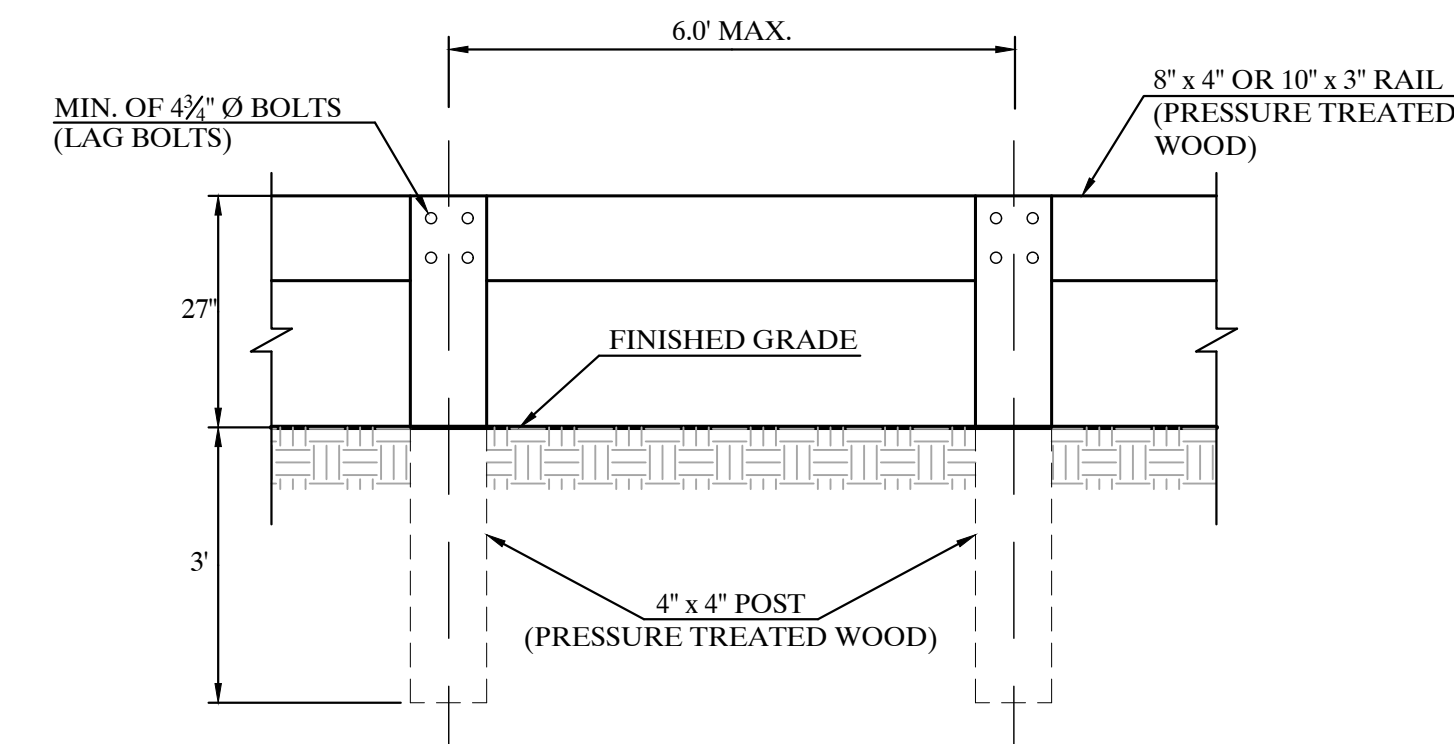
Do - Pipe Diameter
SDo - Headwall Width
La - Approx. Length
W - Approx. Width @ end
d50 - 50% Stone Size
Minimum Rip-Rap Blanket Thickness - 14\"/>

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



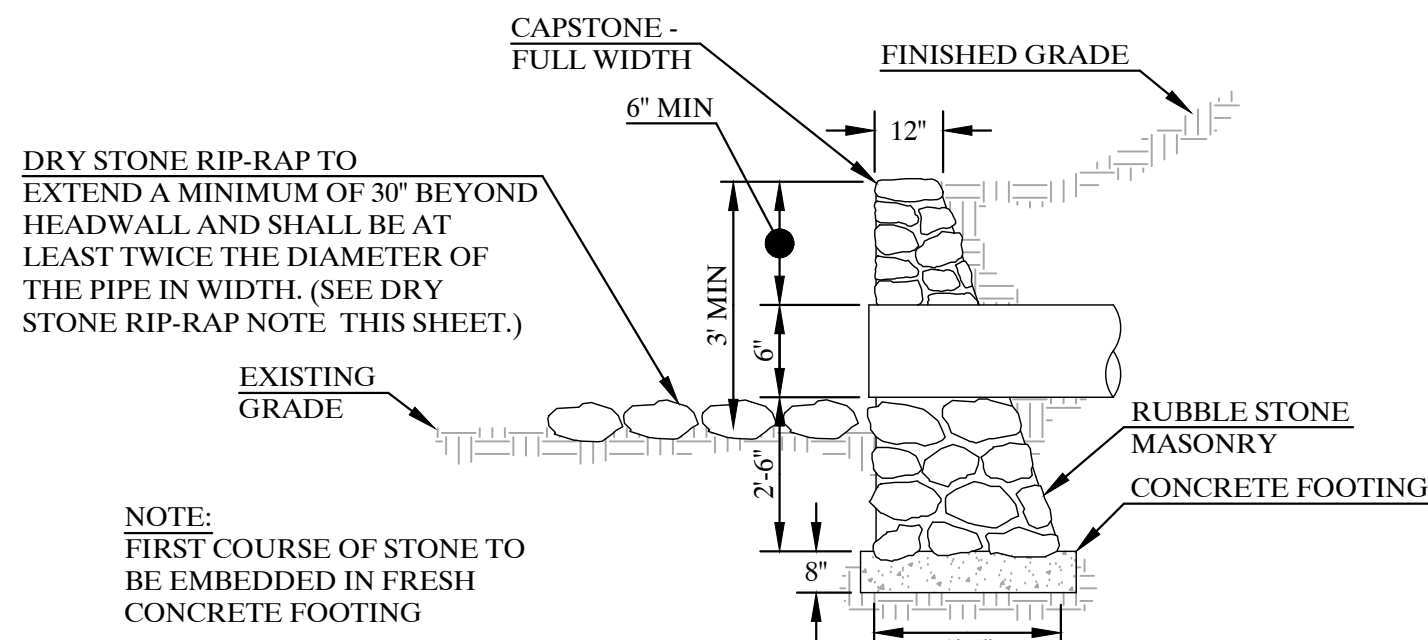
RETAINING WALL SCHEDULE		
"H" EXPOSED HEIGHT	"W" FOOTING WIDTH	"A" REINFORCING
0' TO 4'	3'-0"	#4 AT 12" O.C.
4' TO 6'	4'-0"	#5 AT 12" O.C.
6' TO 9'	5'-0"	#6 AT 12" O.C.

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



NOTE:
WITH THE PRIOR APPROVAL OF THE TOWN ENGINEER, OWNER/ARCHITECT MAY MODIFY THE GUIDE RAIL DETAIL/MATERIAL DURING CONSTRUCTION FOR AESTHETIC PURPOSES.

STONE HEADWALL DETAIL (N.T.S.)



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

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GENERAL DETAILS WILLIAM BUTLER SUBDIVISION

TOWN OF OSSING

WESTCHESTER COUNTY, NEW YORK



NO.	REVISIONS
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DATE:
APRIL 10, 2017

UNAUTHORIZED ADDITIONS, MODIFICATIONS AND/OR ALTERATIONS TO THESE PLANS IS A VIOLATION OF SECTION (2062) OF THE NEW YORK STATE EDUCATION LAW

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EROSION AND SEDIMENT CONTROL PLAN

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

- NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, LATEST EDITION
- NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY (GP-0-15-002)
- TOWN CODE OF OSSINGEN CHAPTER 168 "STORMWATER MANAGEMENT AND EROSION CONTROL"

THE PRIMARY AIM OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN IS TO REDUCE SOIL EROSION FROM AREAS STRIPPED OF VEGETATION DURING CONSTRUCTION AND TO PREVENT SILT FROM REACHING THE DRAINAGE 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 PLAN IS AN INTEGRAL COMPONENT OF THE CONSTRUCTION PHASING AND PROJECT SEQUENCING 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 THROUGH THE DURATION OF THE PROJECT. THE PROPOSED SOIL EROSION AND SEDIMENT 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 AND SEDIMENT CONTROL PRACTICES IDENTIFIED HEREIN ARE MAINTAINED IN EFFECTIVE OPERATING CONDITION AT ALL TIMES.

• STABILIZED CONSTRUCTION ENTRANCE

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.

MAINTENANCE/INSPECTION

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 WHEN DISPLACEMENT/LOSS OF AGGREGATE OCCURS, OR IF THE AGGREGATE BECOMES CLOGGED OR SILTED 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

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 AT THE DOWN-GRADIENT PERIMETER OF DISTURBED AREAS, TOE OF SLOPES OR INTERMEDIATELY WITHIN SLOPES 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.

MAINTENANCE/INSPECTION

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 SECTION OF FENCE SHALL BE REPLACED IMMEDIATELY WITH A NEW FENCE SECTION. ANY VISIBLE SEDIMENT BUILDUP 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.

• TREE PROTECTION

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.

MAINTENANCE/INSPECTION

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.

• SOIL/MATERIAL STOCKPILING

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.

MAINTENANCE/INSPECTION

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.

• SURFACE STABILIZATION

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, CURLEX 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.

• GENERAL LAND GRADING

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.

• DUST CONTROL

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 MEASURES FOR CONSTRUCTION RELATED ACTIVITIES

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 SILT 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/DUMPS, 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.

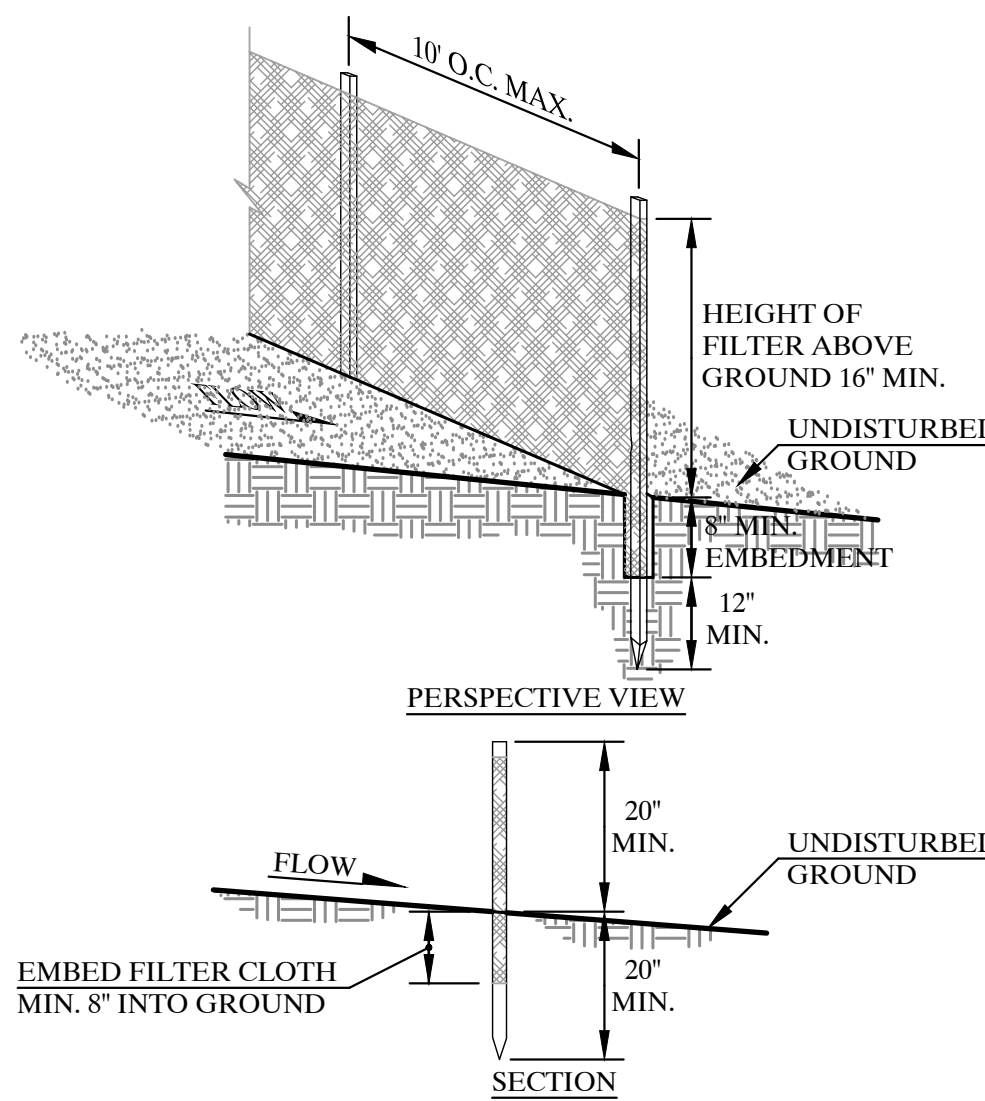
GENERAL CONSTRUCTION SEQUENCING

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 NYSDEC 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 OVER THE PERVIOUS 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.).

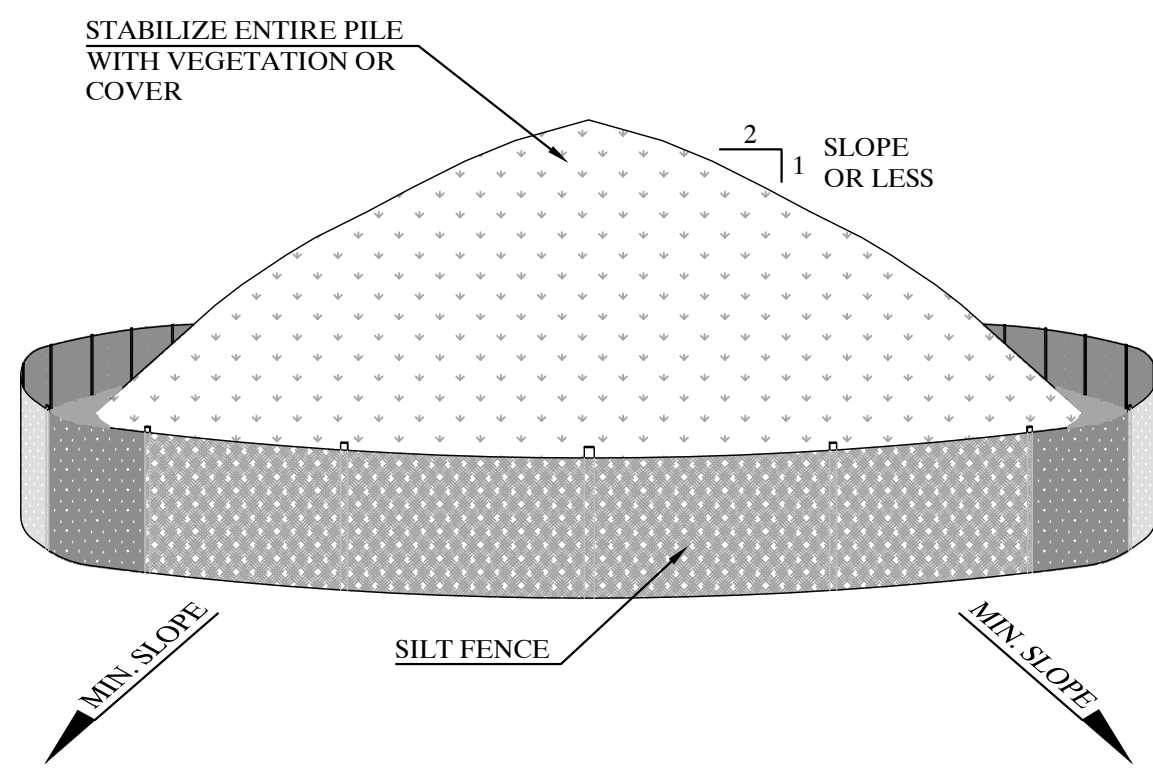
SILT FENCE DETAIL (N.T.S.)



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. FILTER CLOTH TO BE FASTENED SECURELY TO POSTS AT TOP AND MID SECTION.
 2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
- FILTER CLOTH: FILTER X, MIRAFT 100X, STABILINKA T140N, OR APPROVED EQUAL
- PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

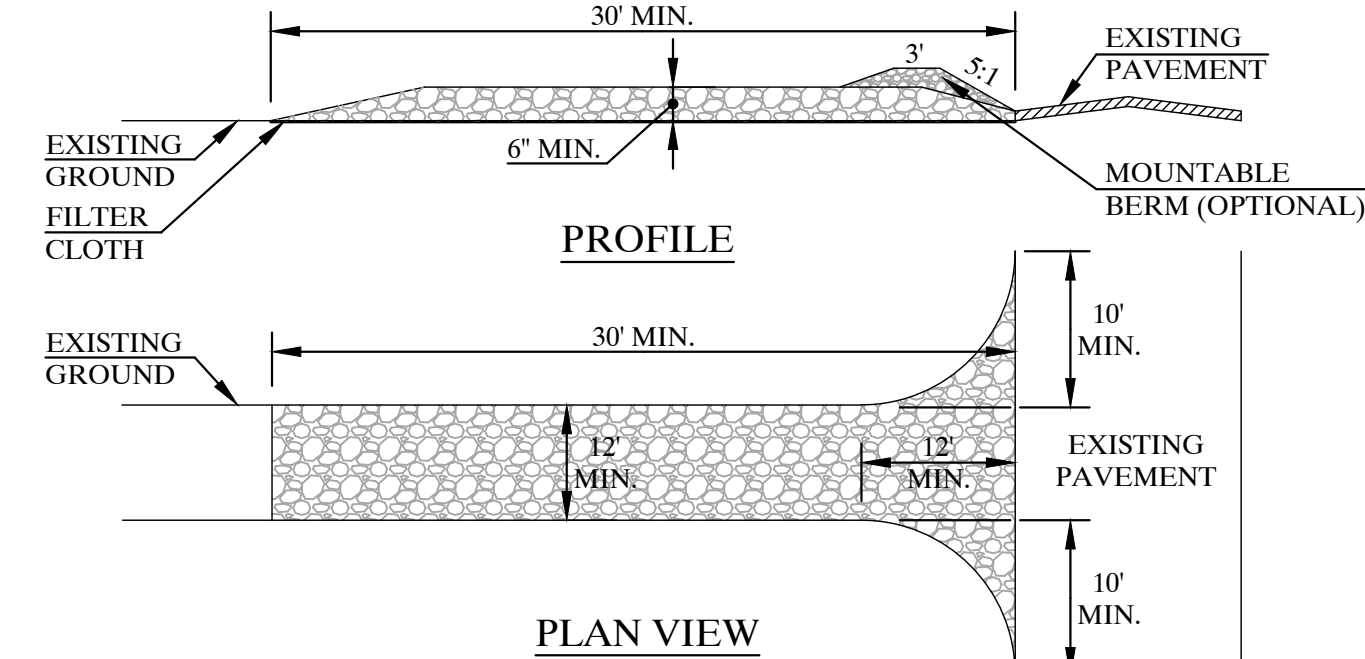
TEMPORARY SOIL STOCKPILE DETAIL (N.T.S.)



INSTALLATION NOTES

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.

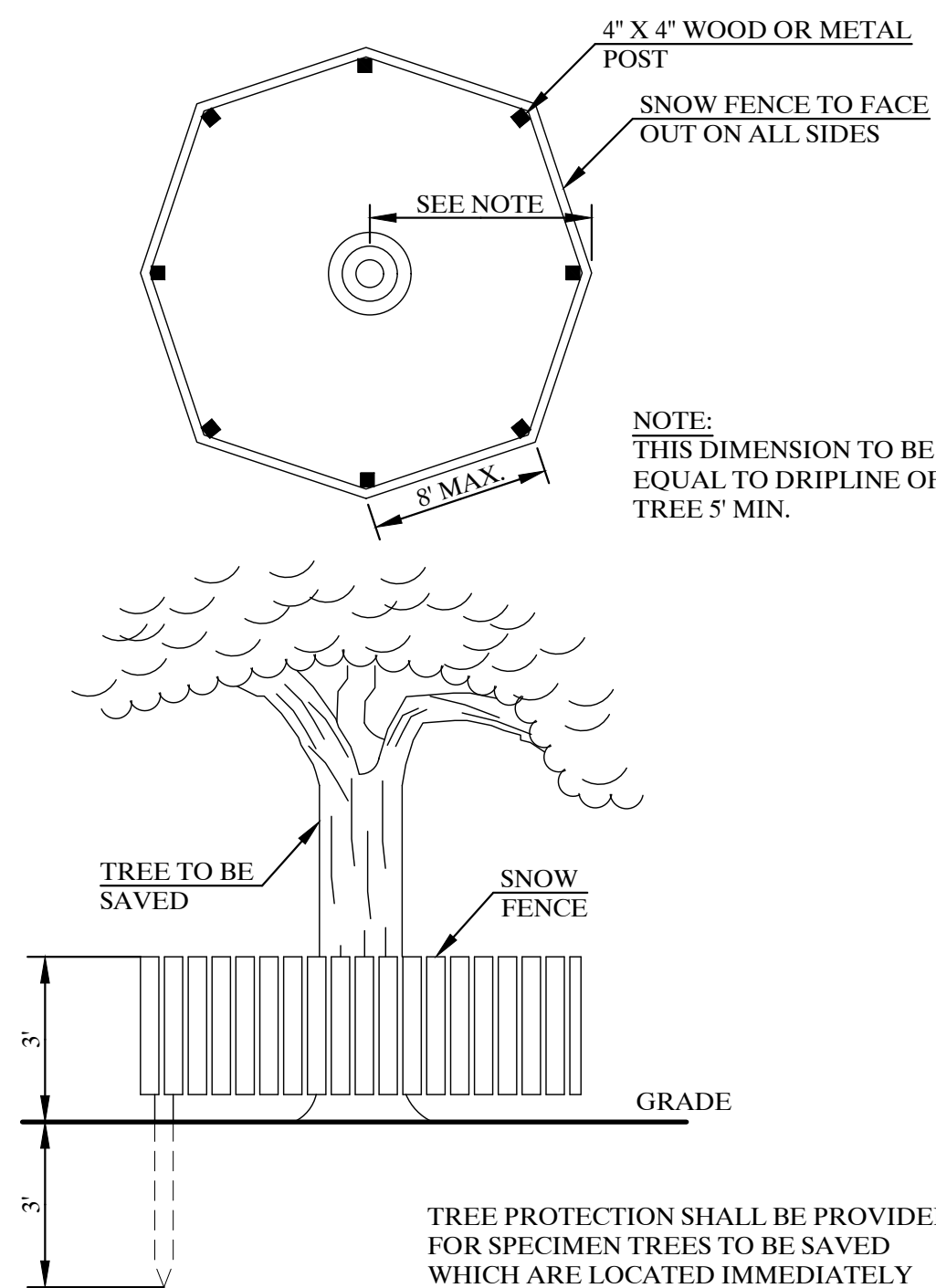
STABILIZED CONSTRUCTION ENTRANCE DETAIL (N.T.S.)



CONSTRUCTION SPECIFICATIONS

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 5:1 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 TRACED 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 DETAIL (N.T.S.)



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 OSSINGEN ENFORCEMENT OFFICIAL AT LEAST 48 HOURS BEFORE ANY OF THE FOLLOWING AS REQUIRED BY THE STORMWATER MANAGEMENT OFFICER:

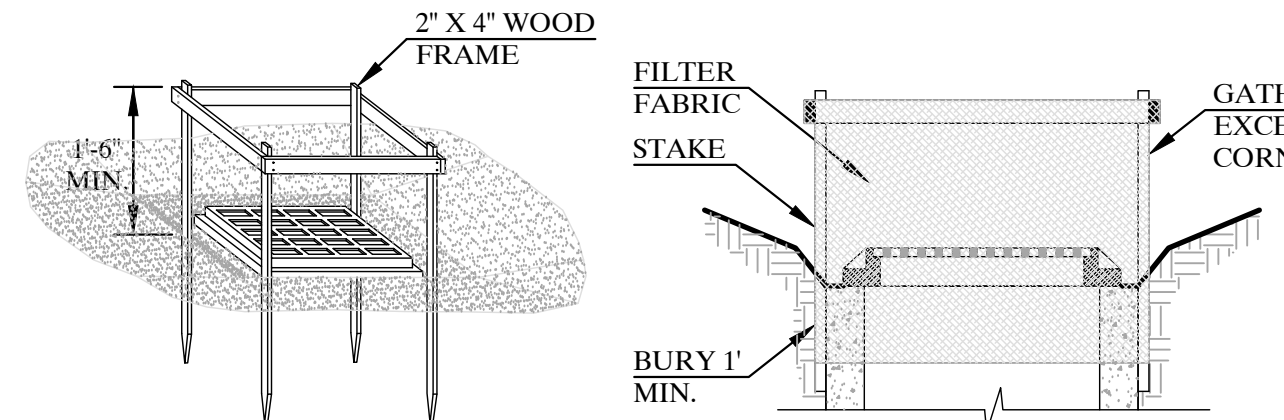
- START OF CONSTRUCTION.
- INSTALLATION OF SEDIMENT AND EROSION CONTROL MEASURES.
- COMPLETION OF SITE CLEARING.
- COMPLETION OF ROUGH GRADING.
- COMPLETION OF FINAL GRADING.
- CLOSE OF THE CONSTRUCTION SEASON.
- COMPLETION OF FINAL LANDSCAPING.
- SUCCESSFUL ESTABLISHMENT OF LANDSCAPING IN PUBLIC AREAS.

CONSTRUCTION SEQUENCING:

- 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.

FILTER FABRIC DROP INLET PROTECTION DETAIL (N.T.S.)



CONSTRUCTION SPECIFICATIONS

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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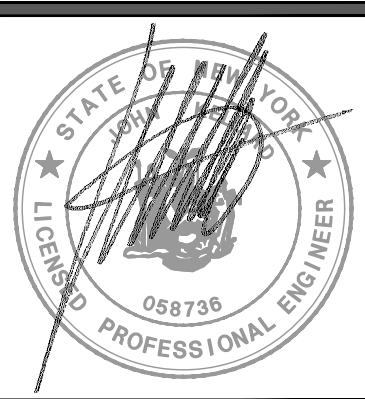
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EROSION AND SEDIMENT CONTROL DETAILS AND NOTES
WILLIAM BUTLER SUBDIVISION

TOWN OF OSSINGEN

WESTCHESTER COUNTY, NEW YORK



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