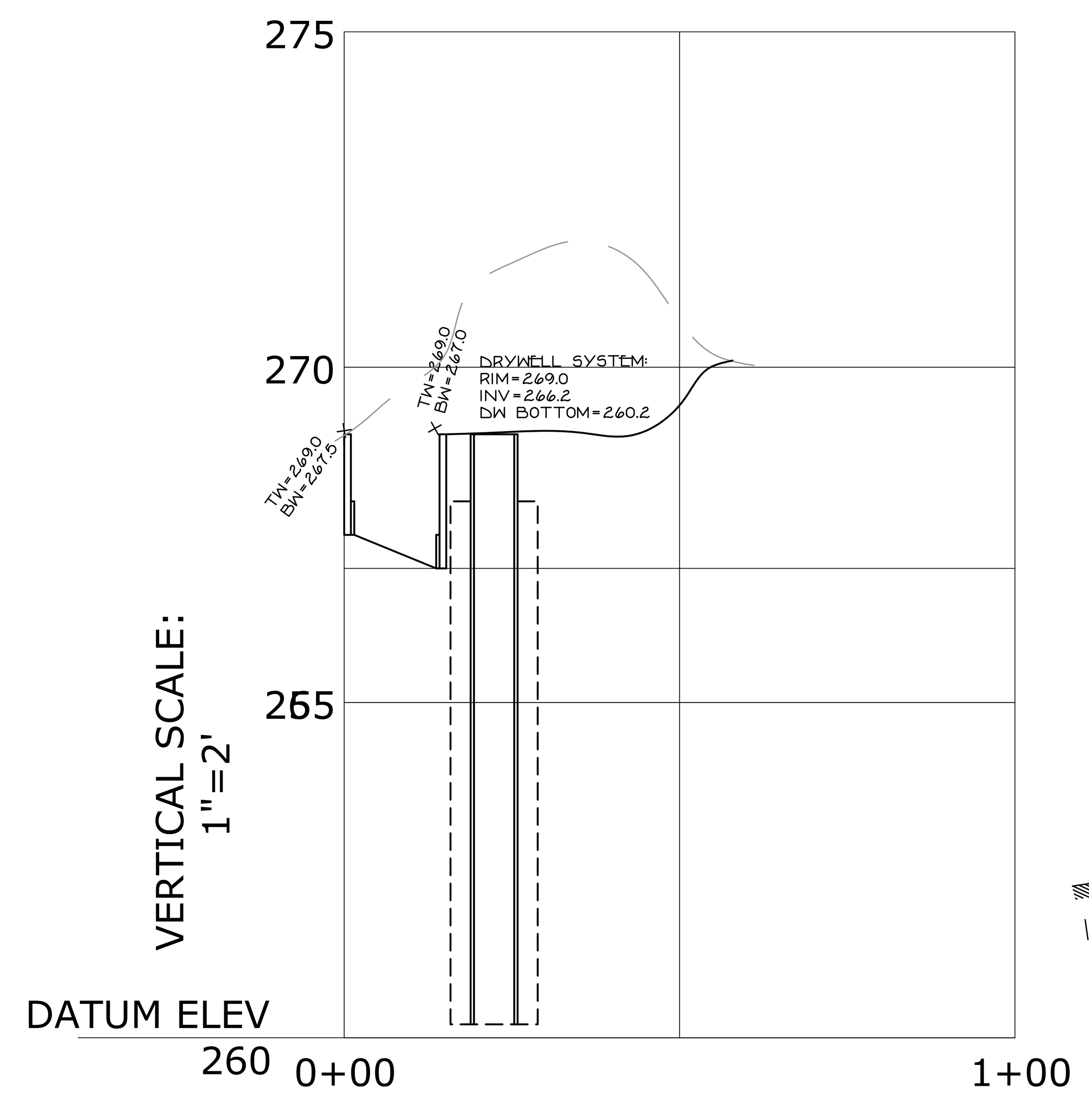
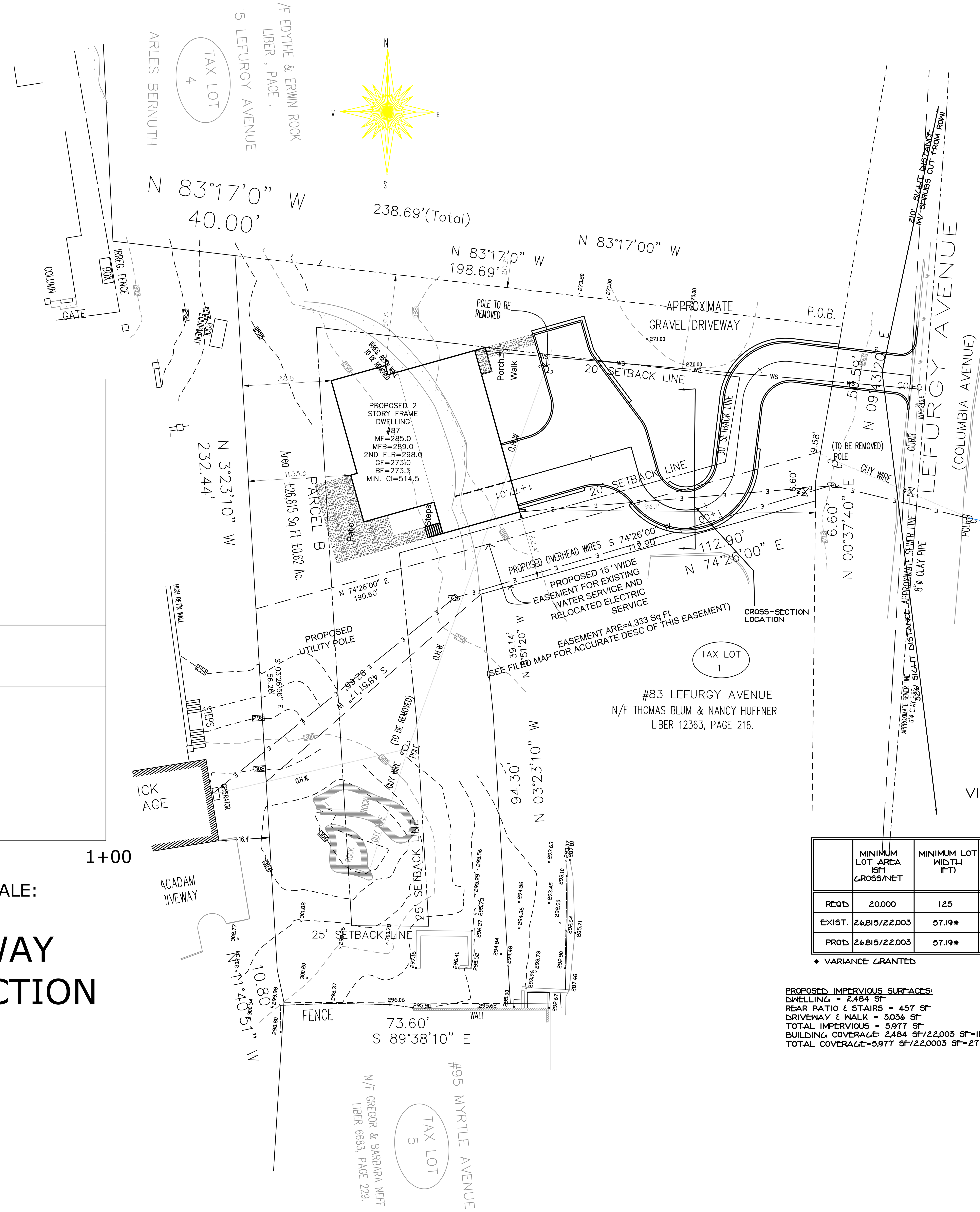
REFERENCES:

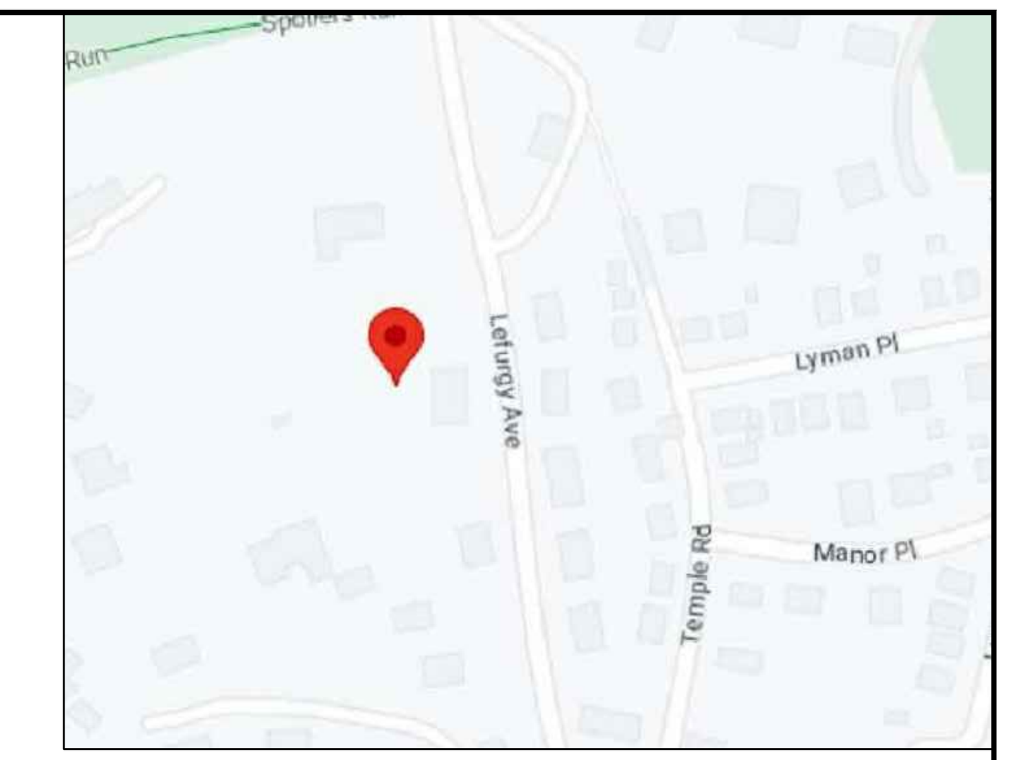
- ALL BOUNDARY & TOPOGRAPHY INFORMATION IS REFERENCED FROM A SURVEY PREPARED BY SUMMIT LAND SURVEYING PC, LAST REVISED MARCH 25, 2019.
- SURVEY INFORMATION REFERENCED FROM A SURVEY PREPARED BY SUMMIT LAND SURVEYING PC, LAST REVISED OCTOBER 3, 2019.



HORIZONTAL SCALE: 1"=20'

DRVIVEWAY CROSS-SECTION





VICINITY MAP
SCALE: N.T.S.

GENERAL NOTES:

1. ADDITIONAL SOIL TESTING IS REQUIRED FOR THE PROPOSED INFILTRATION FACILITY.

Drywell Design:				
Urban Land-Woodbridge "D"				
Development size =	0.1372	Acre		
Undeveloped SCS Curve No.=	79.0000	Wood-Grass Comb		
Developed SCS Curve No.=	98.0000	Impervious		
1. Select Design Storm				
100 year, 24-hour	9.3000			
2. Type of subsurface disposal system:				
Precast drywell with 3'-3/4"				
crushed stone				
3. Determine Percolation Rate:				
Percolation Rate:				
Drop	35.0000	inches	Fairway testing	
Time	60.0000	minutes	8/4/2023	
a. Area of Percolation (Ap):				
Surface area of Cylinder				
Ac=Pi*Dhavg				
D=	1.0000	foot		
havg=	8.5000	inches		
Ac=	2.2253	Ft^2		
Bottom Area				
Ab=Pi*r^2				
Ab=	0.7854	Ft^2		
Volume of Percolation:				
Ap=Ac+Ab				
Ap=	3.0107	Ft^2		
Vp=Ab*h	2.2907	Ft^3		
Soil Percolation Rate				
Sr=volume/area/time	0.0127	Ft^3/Ft^2/Min.		
Sr=	18.2609	Ft^3/Ft^2/day		
Sr=(minus clogging factor of 25%)	13.6957	Ft^3/Ft^2/day		
4. Calculate Required Storage Volume:				
100yr, 24 hour rainfall=	9.3000	inches		
From Table 2-1 of TR-55				
Existing CN=	79.0000	therefore depth Vr=	6.70	Inches
Proposed CN=	98.0000	therefore depth Vr=	9.10	Inches
DeltaVr=	2.4000	Inches		
Vs=deltaV*Area				
Vs=	1195.4000	Ft^3		
5. Calculate Volume per Drywell:				
Vw=Pi*r^2*height				
Thickness of Stone=	3.0000	feet		
Thickness of drywell wall=	0.3330	foot		
Diameter of drywell=	6.0000	feet		
Height of drywell=	6.0000	feet		
Vw=	337.6500	Ft^3		
6. Calculate 24-hour percolation volume per drywell(Vp):				
Vp=side surface area of drywell*soil percolation rate(Sr)				
Vp=Pi*D*h*Sr				
Vp=	1725.6454	Ft^3/day/drywell		
*Note: Percolation through bottom only				
7. Calculate the total 24-hour Volume per drywell (Vt):				
Vt=Volume of drywell(Vw)percolation volume(Vp)				
Vt=	2063.2954	Ft^3		
8. Determine number of drywells required (DWr):				
DWr=Req. Volume of Storage(Vs)/Total Vol. per Drywell(Vt)	0.6			
DWr=				
	USE	2		

VILLAGE OF DOBBS FERRY BULK REQUIREMENTS
ZONE OF-2
SINGLE FAMILY DWELLING

	MINIMUM LOT AREA (SF) GROSS/NET	MINIMUM LOT WIDTH (FT)	MINIMUM LOT DEPTH (FT)		FRONT YARD (FT)	SIDE YARD (FT)	TOTAL SIDE YARD (FT)	REAR YARD (FT)	MAXIMUM LOT COV. BY BLDGS. (%)	MAXIMUM LOT COV. BY IMPERVIOUS SURFACE (%)		MAXIMUM BUILDING HEIGHT (STORIES/FT)	OFFSTREET PARKING		
REQ'D	20.000	125	125		30	20	50	25	18.0	40.0		2.5 / 35	2		
EXIST.	26,815/22.003	57.19*	222.58		NA	NA	NA	NA	NA	NA		NA	NA		
PRO'D	26,815/22.003	57.19*	222.58		96.1	20.2	42.6*	28.8	11.3	27.2		2.5 / 25 PER ARCH.	<40 PER ARCH.		

* VARIANCE GRANTED

PROPOSED IMPERVIOUS SURFACES:
DWELLING = 2,484 SF
REAR PATIO & STAIRS = 457 SF
DRIVEWAY & WALK = 3,036 SF
TOTAL IMPERVIOUS = 5,977 SF
BUILDING COVERAGE: 2,484 SF/22,003 SF=11.3%
TOTAL COVERAGE=5,977 SF/22,0003 SF=27.2%

STATE OF NEW YORK · PAUL GDANSKI · LICENSED PROFESSIONAL ENGINEER · No. 075890

PAUL GDANSKI · 075890

REVISIONS

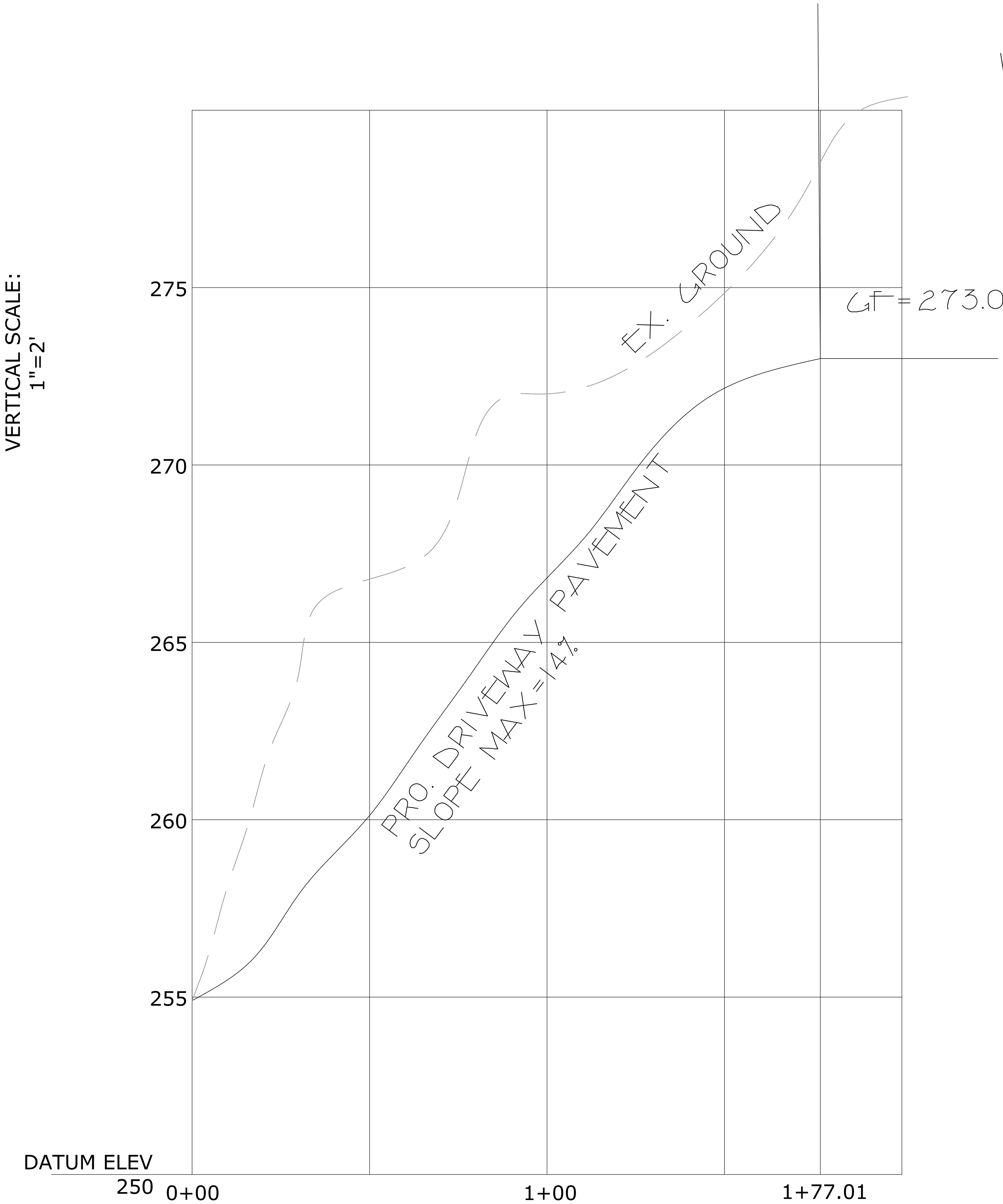
4 8/15/23 REVISE
3 7/11/23 REVISE
2 6/12/23 REVISE
1 5/3/23 REVISE

LAYOUT PLAN
FOR
ANAND
0 LEFURGY AVENUE
TAX LOT 3.5-17-2
LOCATED IN THE
VILLAGE OF DOBBS FERRY
TOWN OF GREENBURGH
WESTCHESTER COUNTY, NEW YORK

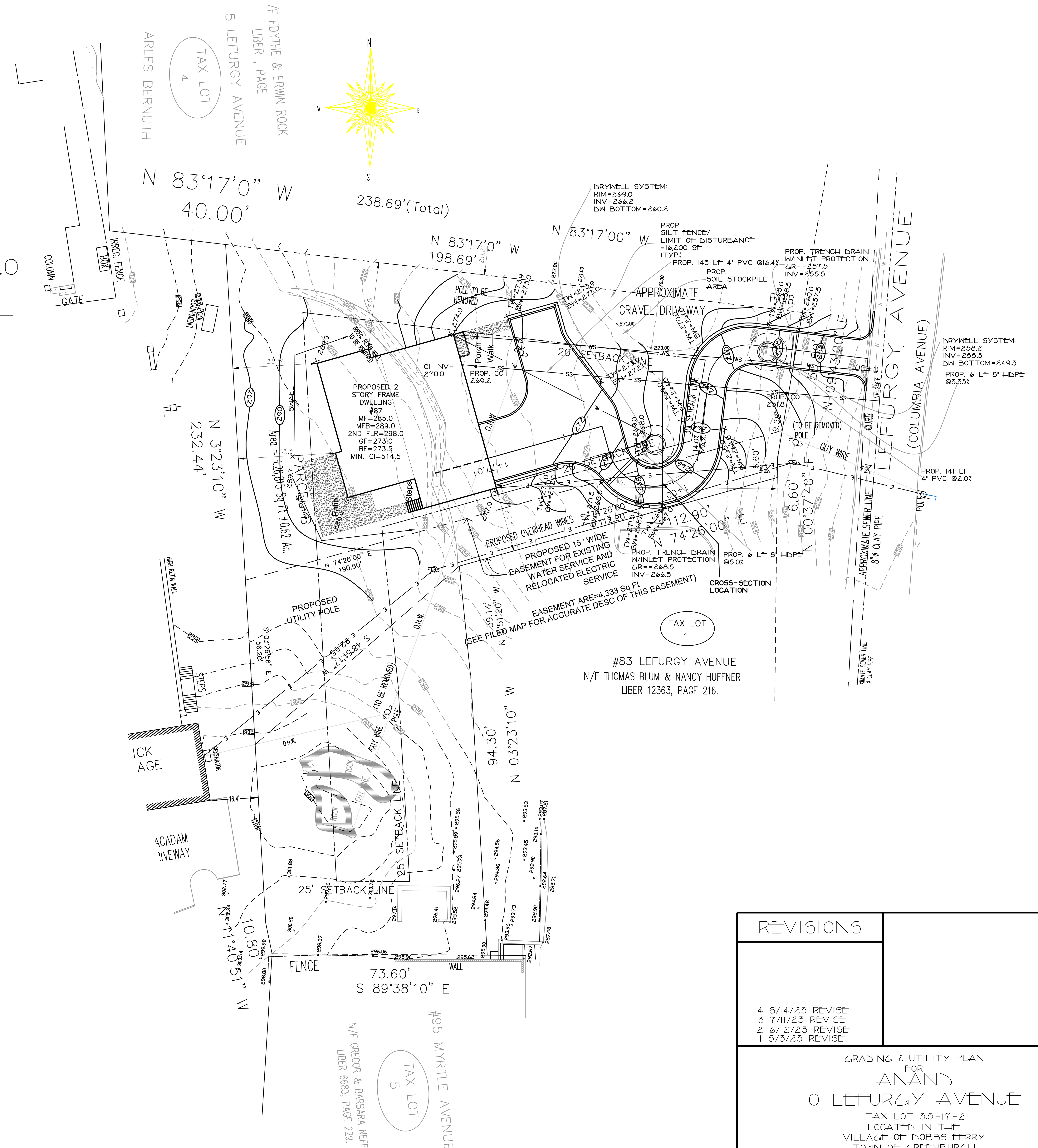
GRAPHIC SCALE
20 15 10 5 0 10 20 40 60

PAUL GDANSKI, PE, PLLC
633 WOODMONT LANE
SLOATSBURG, N.Y. 10974
TEL: (917) 418-0999

FILE #: LEFURGY
DATE: MAR. 27, 2023
SCALE: 1" = 20'
PG 8/25/20



DRVIVEWAY PROFILE



REVISIONS
4 8/14/23 REVISE
3 7/11/23 REVISE
2 6/12/23 REVISE
1 5/3/23 REVISE

GRADING & UTILITY PLAN
FOR
ANAND
0 LEFURGY AVENUE
TAX LOT 3.5-17-2
LOCATED IN THE
VILLAGE OF DOBBS FERRY
TOWN OF GREENBURGH
WESTCHESTER COUNTY, NEW YORK

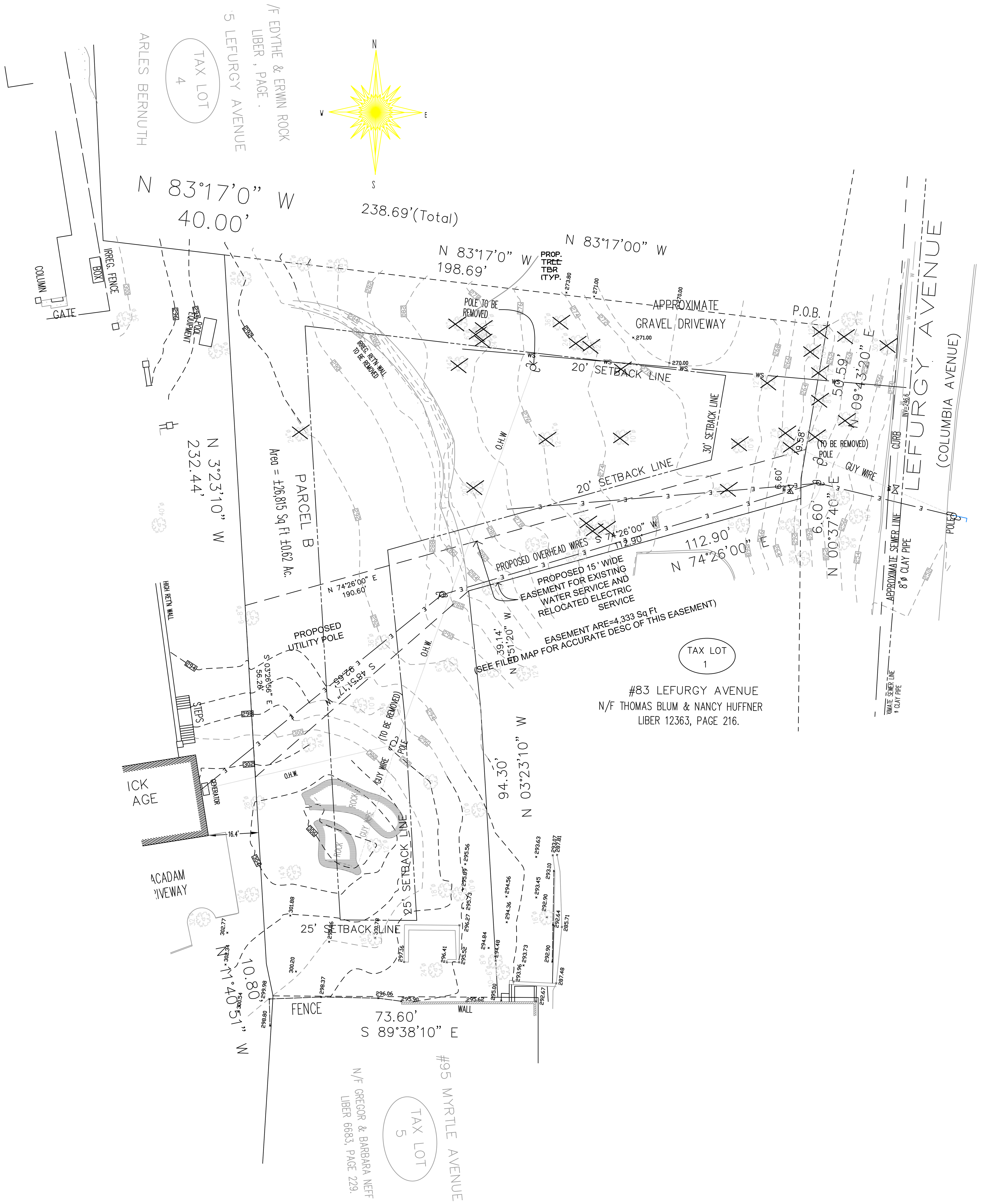
GRAPHIC SCALE
20 15 10 5 0 10 20 40 60

PAUL GDANSKI, P.E. #075890

PAUL GDANSKI, PE, PLLC
633 WOODMONT LANE
SLOATSBURG, N.Y. 10974
TEL: (917) 418-0999

FILE #	LEFURGY
DATE	MAR. 27, 2023
SCALE	1" = 20'
DWG #	2 OF 5

PG 8/25/20



N
S
W
E
N/F EDYTHE & ERWIN ROCK
LIBER , PAGE .
5 LEFURGY AVENUE
TAX LOT 4
CHARLES BERNUTH
N 83°17'0" W
40.00'
238.69'(Total)
N 83°17'0" W
198.69'
N 83°17'00" W
PROP. TREE TBR (TYP.)
POLE TO BE REMOVED
APPROXIMATE GRAVEL DRIVEWAY
P.O.B.
20' SETBACK LINE
30' SETBACK LINE
20' SETBACK LINE
COLUMN
BOX
IRREG. FENCE
GATE
N 3°23'10" W
232.44'
PARCEL B
Area = ±26,815 Sq Ft ±0.62 Ac.
N 74°26'00" E
190.60'
PROPOSED UTILITY POLE
PROPOSED OVERHEAD WIRES
PROPOSED 15' WIDE EASEMENT FOR EXISTING WATER SERVICE AND RELOCATED ELECTRIC SERVICE
EASEMENT ARE=4,333 Sq Ft
(SEE FILED MAP FOR ACCURATE DESC OF THIS EASEMENT)
112.90'
N 74°26'00" E
N 09°43'20" E
50.59'
6.60'
N 00°37'40" E
(TO BE REMOVED) POLE
GUY WIRE
CURB
LEFURGY AVENUE
(COLUMBIA AVENUE)
APPROXIMATE SEWER LINE 8" Ø CLAY PIPE
POLE
TAX LOT 1
#83 LEFURGY AVENUE
N/F THOMAS BLUM & NANCY HUFFNER
LIBER 12363, PAGE 216.
STEPS
HIGH RET'N WALL
BRICK GARAGE
MACADAM DRIVEWAY
O.H.W.
(TO BE REMOVED) POLE
GUY WIRE
94.30'
N 03°23'10" W
25' SETBACK LINE
25' SETBACK LINE
N 11°40'51" W
10.80'
FENCE
WALL
73.60'
S 89°38'10" E
#95 MYRTLE AVENUE
TAX LOT 5
N/F GREGOR & BARBARA NEFF
LIBER 6683, PAGE 229.

REVISIONS

4 8/15/23 REVISE
3 7/11/23 REVISE
2 6/12/23 REVISE
1 5/3/23 REVISE

TREE REMOVAL PLAN
FOR

ANAND
0 LEFURGY AVENUE

TAX LOT 3.5-17-2
LOCATED IN THE
VILLAGE OF DOBBS FERRY
TOWN OF GREENBURGH
WESTCHESTER COUNTY, NEW YORK

GRAPHIC SCALE

20 15 10 5 0 10 20 40 60

STATE OF NEW YORK · PAUL GDANSKI · LICENSED PROFESSIONAL ENGINEER · No. 075890

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PAUL GDANSKI, PE, PLLC
633 WOODMONT LANE
SLOATSBURG, N.Y. 10974
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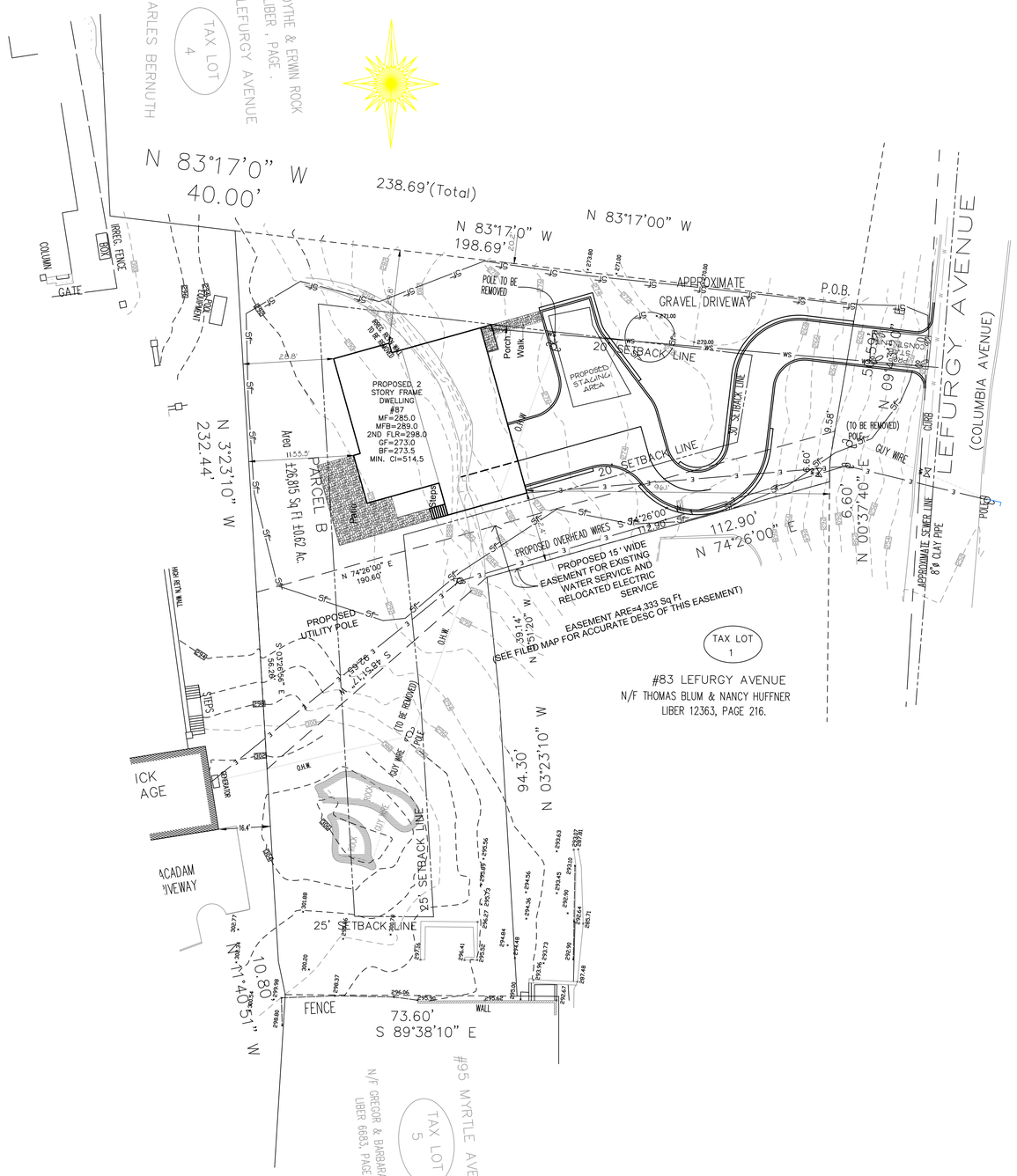
FILE #	LEFURGY
DATE	MAR. 27, 2023
SCALE	1" = 20'
DWG #	3 OF 5

PG 8/25/20



REVISIONS

4 8/15/23 REVISE
3 7/11/23 REVISE
2 6/12/23 REVISE
1 5/3/23 REVISE

SOIL EROSION PLAN
FOR
ANAND
0 LEFURGY AVENUE
TAX LOT 35-17-2
LOCATED IN THE
VILLAGE OF DOBBS FERRY
TOWN OF GREENBURGH
WESTCHESTER COUNTY, NEW YORK
GRAPHIC SCALE
20 15 10 5 0 10 20 40 60

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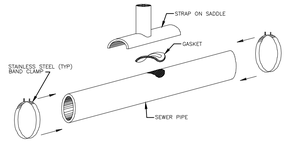
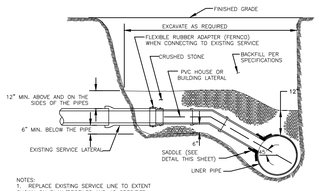
FILE #	LEFURGY
DATE	MAR. 27, 2023
SCALE	1" = 20'
DWG #	4 OF 5

PG 8/25/20

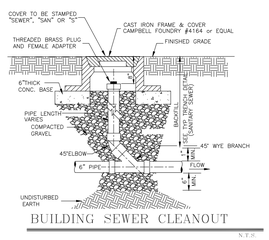


SADDLE CONNECTION – PLAN
NOT TO SCALE



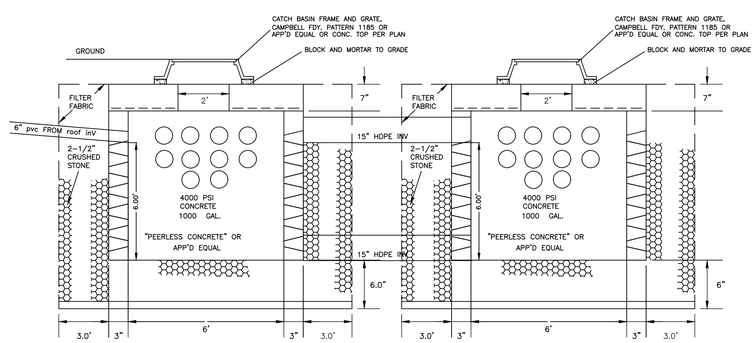
NOTES:
1. REPLACE EXISTING SERVICE LINE TO EXTENT SHOWN ON PLAN/PROFILES AND AS SPECIFIED.

SADDLE CONNECTION – SECTION
NOT TO SCALE



BUILDING SEWER CLEANOUT
N.T.S.

NOTES:
1. EACH BUILDING SEWER SHALL HAVE A CLEANOUT INSTALLED APPROXIMATELY 2' DOWNSTREAM OF THE BUILDING PIPE TO BUILDING SEWER CONNECTION. THEREAFTER, CLEANOUTS SHALL BE INSTALLED ALONG THE BUILDING SEWER EVERY 100 FT.(MAX.). FOR THE PURPOSE OF CLEANOUT LOCATIONS DISTANCE SHALL BE MEASURED FROM THE FIRST CLEANOUT LOCATED DOWNSTREAM OF THE HOUSE PIPE TO BUILDING SEWER CONNECTION, HENCE DOWNSTREAM ALONG THE



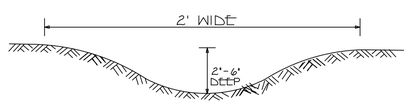
2 SEEPAGE PIT SYSTEM: 12.5' X 25'
N.T.S.

NOTES:

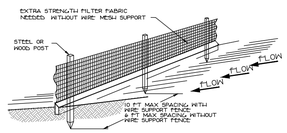
1. SET PIT IN 13'X26' OVERALL EXCAVATION, BACKFILL WITH ALL CLEAN STONE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING SEASONAL HIGH WATER TABLE. NO SEEPAGE PITS AND/OR STONE SHALL BE SET BELOW SEASONAL HIGH WATER, AND ENGINEER MUST BE CONTACTED IN WRITING SHOULD WATER BE ENCOUNTERED.

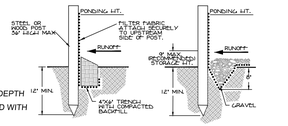
SEEPAGE PIT MAINTENANCE NOTES

1. SEEPAGE PITS SHALL BE MAINTAINED BY THE OWNERS OF THE LOTS ON WHICH THEY ARE SITUATED.
2. SAID OWNERS SHALL INSPECT SEEPAGE PITS ON A TWICE YEARLY BASIS AND REMOVE ANY ACCUMULATED SEDIMENT (OR AFTER ANY SIGNIFICANT STORM).
3. IF EVIDENCE PERSISTS THAT THE SEEPAGE PITS ARE NOT FUNCTIONING PROPERLY (I.E. WATER BACKING–UP IN SYSTEM, ETC.), THE OWNERS SHALL INSPECT THE PITS AS SOON AS REASONABLY POSSIBLE AND MAKE NECESSARY REPAIRS TO ENSURE PROPER FUNCTION OF THE SYSTEM.



SWALE X–SECTION
N.T.S.

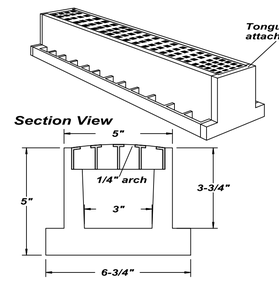




STANDARD DETAIL — TRENCH WITH NATIVE BACKFILL
ALTERNATE DETAIL — TRENCH WITH GRAVEL

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF–SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

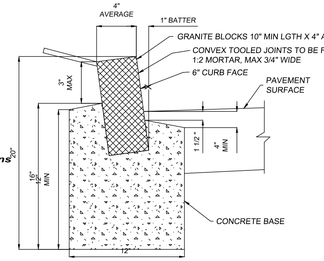
SILT FENCE
N.T.S.



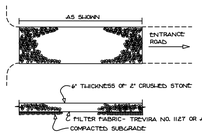
SPECIFICATIONS

Material: High Density Polyethylene
Grate Openings: 1/2" square, ADA compliant
Pipe Connections: 2" or 3" schedule 40 or 4" schedule 35
Load Rating: H20, truck traffic (STACK 2 DEEP)

TRENCH DRAIN DETAIL
N.T.S.



GRANITE BELGIAN BLOCK CURB
NOT TO SCALE



STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE - USE 1–4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 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. GEOTEXTILE - 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 TRACKED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN 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.

STANDARD EROSION CONTROL NOTES:

AN EROSION CONTROL SYSTEM WILL BE UTILIZED BY THE DEVELOPER TO MINIMIZE THE PRODUCTION OF SEDIMENT FROM THE SITE. METHODS TO BE UTILIZED WILL BE THOSE FOUND MOST EFFECTIVE FOR THE SITE AND SHALL INCLUDE ONE OR MORE OF THE FOLLOWING, AS APPLICABLE:

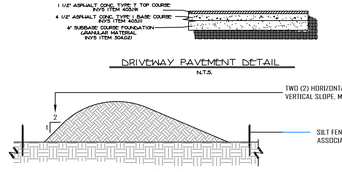
1. TEMPORARY SEDIMENTATION ENTRAPMENT AREAS SHALL BE PROVIDED AT KEY LOCATIONS TO INTERCEPT AND CLARIFY SILT LADEN RUNOFF FROM THE SITE. THESE MAY BE EXCAVATED OR MAY BE CREATED UTILIZING EARTHEN BERMS, RIP–RAP OR CRUSHED STONE DAMS, HAY BALES, OR OTHER SUITABLE MATERIALS. DIVERSION SWALES, BERMS, OR OTHER CHANNELIZATION SHALL BE CONSTRUCTED TO ENSURE THAT ALL SILT LADEN WATERS ARE DIRECTED INTO THE ENTRAPMENT AREAS, WHICH SHALL NOT BE PERMITTED TO FILL IN, BUT SHALL BE CLEANED PERIODICALLY DURING THE COURSE OF CONSTRUCTION. THE COLLECTED SILT SHALL BE DEPOSITED IN AREAS SAFE FROM FURTHER EROSION.
2. ALL DISTURBED AREAS, EXCEPT ROADWAYS, WHICH WILL REMAIN UNFINISHED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED WITH 1 LB. OF RYE GRASS OR MULCHED WITH 100 LBS. OF STRAW OR HAY PER 1,000 SQUARE FEET AND TEMPORARY DIVERSION DITCHES ARE TO BE PLACED WHERE NECESSARY AS DETERMINED BY THE VILLAGE ENGINEER. ROADWAYS SHALL BE STABILIZED AS RAPIDLY AS PRACTICABLE BY THE INSTALLATION OF THE BASE COURSE.
3. SILT THAT LEAVES THE SITE IN SPITE OF THE REQUIRED PRECAUTIONS SHALL BE COLLECTED AND REMOVED AS DIRECTED BY APPROPRIATE MUNICIPAL AUTHORITIES.

EROSION AND SEDIMENT CONTROL PLAN - CONSTRUCTION SEQUENCE:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES, EXCLUDING CATCH–BASIN MEASURES, SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES AND OR UTILITIES.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND/OR STABILIZED.
3. INSTALL STABILIZED CONSTRUCTION ENTRANCE AS INDICATED ON PLAN.
4. INSTALL SILT FENCE AND/OR HAY BALE BARRIERS DOWN SLOPE OF ALL AREAS TO BE DISTURBED AND DOWN DLOPE OF ALL AREAS DESIGNATED FOR TOPSOIL STOCKPILING.
5. CONSTRUCT BERMS, TEMPORARY SWALES AND PIPES AS NECESSARY TO DIRECT RUNOFF TO TEMPORARY SEDIMENTATION ENTRAPMENT AREAS.
6. CLEAR EXISTING TREES, VEGETATION AND EXISTING STRUCTRES FROM AREAS TO BE FILLED OR EXCAVATED, STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE DISTURBED. SEED STOCKPILED TOPSOIL WITH TEMPORARY RYE GRASS COVER.
7. PERFORM EXCAVATION AND FILL TO BRING LAND TO DESIRED GRADE. ANY DISTURBED AREAS TO REMAIN BARE SHOULD BE SEEDED WITH TEMPORARY RYE.
8. INSTALL UNDERGROUND UTILITIES, MANHOLES AND CATCH BASINS. GRATES OF CURB AND FIELD INLETS SHOULD BE LEFT AT ELEVATIONS WHICH PERMIT PROPER COLLECTION OF SURFACE RUNOFF.
9. INSTALL INLET PROTECTION AROUND ALL CURB AND FIELD INLETS. ALL INLET PROTECTION SHALL BE TREATED WITH THE CATCH BASIN FILTER FABRIC DETAIL.
10. CONSTRUCT CURBS AND INSTALL BASE AND BINDER COURSES OF PAVED AREAS. RAISE GRATES OF CURB AND FIELD INLETS ACCORDINGLY.
11. COMPLETE FINE GRADING.
12. RAISE GRATES OF CURB AND FIELD INLETS TO FINAL ELEVATIONS. INSTALL SURFACE COURSE OF PAVEMENT.
13. UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED AREAS ARE TO BE SEEDED. REFER TO LANDSCAPING PLAN FOR PERMANENT SEEDING SPECIFICATIONS. ALL TEMPORARY DEVICES SHALL BE REMOVED AND THE AFFECTED AREAS REGRADED, PLANTED OR TREATED IN ACCORDANCE WITH THE APPROVED SITE PLANS.
14. SILT FENCE AND CONSTRUCTION STABILIZED PADS ARE TO BE PROVIDED FOR EACH BUILDING PAD DURING CONSTRUCTION.

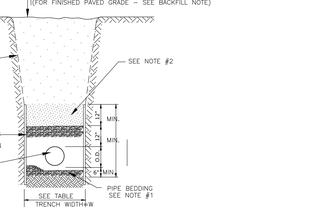
EROSION AND SEDIMENT CONTROL PLAN - MAINTENANCE PROCEDURE:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR SUITABILITY AND OPERATION FOLLOWING EVERY RUNOFF–PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED AND INSTALLED FOR THEIR APPROPRIATE PHASE OF THE PROJECT.
2. SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAP AND BLOCK AND GRAVEL INLET PROTECTION DEVICE WHEN STORAGE CAPACITY HAS BEEN APPROXIMATELY 50% FILLED. GRAVEL WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS PROPERLY.
3. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES ABOUT 0.5 FT DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
4. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY OR STREETS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL AGGREGATE. ALL SEDIMENT SPILLED, DROPPED, OR WASHED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY. WHEN NECESSARY, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS–OF–WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE, WHICH DRAINS INTO AN APPROVED SEDIMENT–TRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, OR WATERCOURSES.
5. ALL SEEDED AREAS WILL BE FERTILIZED, AND RE–SEEDED AS NECESSARY.



DRIVEWAY PAVEMENT DETAIL
N.T.S.

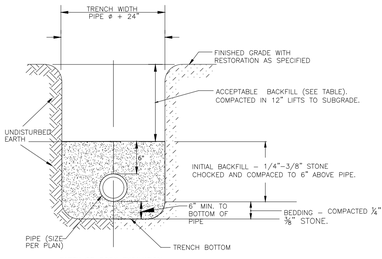
SOIL STOCKPILE
N.T.S



TYPICAL TRENCH DETAIL (SANITARY SEWER)
N.T.S.

NOTES:

1. PIPE BEDDING SHALL BE A CLASS I ASTM D2321 EMBEDMENT MATERIAL THAT SHALL BE EITHER CRUSHED STONE OR WASHED GRAVEL PASSING A 3/4" SIEVE AND RETAINED ON A 3/8" SIEVE. THE EMBEDMENT MATERIAL SHALL BE HAND TAMPED AND COMPACTED TO 90% OF THE MAXIMUM DENSITY OF THE EMBEDMENT MATERIAL AS DETERMINED BY THE STANDARD PROCTOR TEST, IN ACCORDANCE WITH AASHTO DESIGNATION T–99.
THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A GO–NO–GO TESTING GAUGE, AS DEFINED IN THE GREEN–TITE (TRADEMARK) PVC GRAVITY SEWER PIPE INSTALLATION GUIDE AS PUBLISHED BY J–M PIPE (OR APPROVED EQUAL) FOR TESTING DEFLECTION OF MAIN LINE SEWER PIPE, AS DIRECTED BY OCSD 1.
MAXIMUM MAIN LINE SEWER DEFLECTION SHALL BE NO GREATER THAN 5%.
2. BACKFILL FROM 12 IN. TO 24 IN. ABOVE THE PIPE EMBEDMENT MATERIAL SHALL BE: FINE EARTH FREE FROM CINDERS AND SHALL BE MECHANICALLY COMPACTED. REMAINING BACKFILL SHALL BE FREE FROM LARGE CLODS, ROCKS, AND CINDERS.
3. PLACE EMBEDMENT MATERIAL BY HAND AND HAND COMPACT UNDER AND AROUND SIDES OF PIPE. PLACE EMBEDMENT MATERIAL IN 6" LAYERS ABOVE TOP OF PIPE, AND HAND COMPACT TO A POINT 12" MINIMUM ABOVE THE TOP OF PIPE.
THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A COMPETENT PERSON DURING ALL PHASES OF CONSTRUCTION WHOSE DUTY SHALL BE TO INSURE THAT ALL PHASES OF CONSTRUCTION ARE IN FULL COMPLIANCE WITH OCSD NO.1 SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL STATUTES, CODES, RULES, REGULATIONS AND LAWS INCLUDING, BUT NOT LIMITED TO UNITED STATES DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND N.Y.S. DEPARTMENT OF LABOR FOR OSHA SECTIONS 1910.146–PERMIT REQUIRED CONFINED SPACE ENTRY, 1926.650–EXCAVATION GENERAL PROTECTION REQUIREMENTS AND 1926.651–TRENCHING AND SHORING, STATE OF NEW YORK UNIFORM FIRE PREVENTION AND BUILDING CODES AND NATIONAL FIRE PROTECTION ASSOCIATION CODES.
5. ALL APPROVED MAIN LINE SEWER PIPE SHALL BE THE SAME MATERIAL FROM MANHOLE TO MANHOLE.
6. FILL SECTION AREA MUST BE GRADED WITH THE PLACEMENT OF SUITABLE SOIL MATERIAL AS DETERMINED BY THE PROJECT SITE ENGINEER IN 12 INCH (MAX.) LAYERS COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY OF THE FILL SOIL AS DETERMINED BY THE STANDARD PROCTOR TEST(AASHTO DESIGNATION T–99) TO 2 FEET (MIN.) ABOVE THE TOP OF PIPE AT A MINIMUM WIDTH OF O.D + 4" BEFORE TRENCH EXCAVATING.
(ANY FILL SECTION AREA THAT DOES NOT CONFORM TO THIS FILL SECTION AREA COMPACTION STANDARD SHALL REQUIRE THE INTALATION OF CF CLASS 52 DIP, TAR COATED INSIDE AND OUT, FROM MANHOLE TO MANHOLE FOR SEWER MAINS AND ALONG THE ENTIRE SERVICE LINE RUN FOR BUILDING LATERAL SEWERS.) ALL FILL SECTION AREAS SHALL REQUIRE REVIEW AND APPROVAL BY OCSD1 BEFORE INSTALLING PIPE.
7. WHERE ROCK IS ENCOUNTERED IN TRENCH BOTTOM, UNDERCUT MUST BE MADE BETWEEN 12 INCH (MIN.) TO 24 INCH (MAX.)
8. WHERE UNSUITABLE MATERIAL IS ENCOUNTERED IN TRENCH BOTTOM, UNDERCUT TO SUITABLE MATERIAL (AS APPROVED).



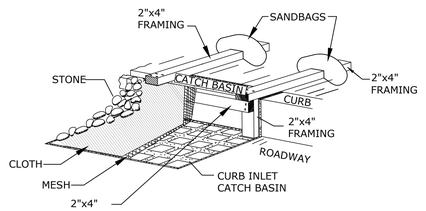
ACCEPTABLE BACKFILL MATERIAL & COMPACTION REQUIREMENTS

DESCRIPTION	SOIL CLASSIFICATION ASTM D2321	ASTM D2487	AASHTO M43	MINIMUM STANDARD PROCTOR DENSITY %
GRADED OR CRUSHED, CRUSHED STONE, GRAVEL	CLASS I	–	5 56	DUMPED
SAND, GRAVELS AND GRAVEL/SAND MIXTURES; LITTLE OR NO FINES	CLASS II	GW GP SW SP	57 6	85%
SILTY OR CLAYEY GRAVELS, GRAVEL/SAND/SILT OR GRAVEL AND CLAY MIXTURES; SILTY OR CLAYEY SANDS, SAND/CLAY OR SAND/SILT MIXTURES	CLASS III	GM GC SM SC	GRAVEL AND SAND (<10% FINES)	90%

NOTES: INORGANIC SILTS, CLAYS, AND OTHER CLASS IV MATERIAL SHALL NOT PERMITTED.

BACKFILL SHALL CONTAIN NO STONES OVER 6" IN ANY DIMENSION.
IN PAVED AREAS BACKFILL TO BE ITEM 4 (NYSDOT ITEM 304.05) TO SUBGRADE.

STORM SEWER TRENCH CROSS SECTION
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2"x4" CONSTRUCTION GRADE LUMBER.
3. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2"x4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE CURB AND SIDEWALK AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

MAXIMUM DRAINAGE AREA 1 ACRE

STORM DRAIN INLET FILTER DETAIL FOR CURB INLETS
NOT TO SCALE

PAUL GDANSKI, PE, PLLC

REVISIONS

4 8/15/23 REVISE
3 7/11/23 REVISE
2 6/12/23 REVISE
1 5/3/23 REVISE

DETAIL SHEET FOR
ANAND
87 LEFURGY AVENUE
TAX LOT 35–17–2
LOCATED IN THE
VILLAGE OF DOBBS FERRY
TOWN OF GREENBURGH
WESTCHESTER COUNTY, NEW YORK
GRAPHIC SCALE
20 15 10 5 0 10 20 40 60

PAUL GDANSKI, PE, PLLC
633 WOODMONT LANE
SLOATSBURG, N.Y. 10974
TEL: (917) 418–0999

FILE #	LEFURGY
DATE	MAR. 27, 2023
SCALE	N.T.S
DWG #	5 OF 5