

SCHEDULE A PERIMETER LANDSCAPE EDGE A		
Category	Adjacent to Roadways	Adjacent to Perimeter Properties
Landscape Type	B	NA
Linear Feet of Roadway Frontage / Perimeter	428.26	NA
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	Yes, 11 Evergreen Trees, 6 Shade Trees	NA
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	NA	NA
Number of Plants Required		
Shade Trees	0	0
Evergreen Trees	0	0
Shrubs	0	0
Number of Plants Provided		
Shade Trees	0	0
Evergreen Trees	0	0
Other Trees (2:1 substitution)	0	0
Shrubs (10:1 substitution)	0	0
(Describe plant substitution credits below if needed)		

SCHEDULE A PERIMETER LANDSCAPE EDGE D		
Category	Adjacent to Roadways	Adjacent to Perimeter Properties
Landscape Type	B	NA
Linear Feet of Roadway Frontage / Perimeter	536.52 LF	NA
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	Yes, 536.52 LF	NA
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	NA	NA
Number of Plants Required		
Shade Trees	0	0
Evergreen Trees	0	0
Shrubs	0	0
Number of Plants Provided		
Shade Trees	0	0
Evergreen Trees	0	0
Other Trees (2:1 substitution)	0	0
Shrubs (10:1 substitution)	0	0
(Describe plant substitution credits below if needed)		

SCHEDULE A PERIMETER LANDSCAPE EDGE B		
Category	Adjacent to Roadways	Adjacent to Perimeter Properties
Landscape Type	NA	A
Linear Feet of Roadway Frontage / Perimeter	NA	568.04 LF
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	NA	Yes, 10 Shade Trees
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	NA	NA
Number of Plants Required		
Shade Trees	0	0
Evergreen Trees	0	0
Shrubs	0	0
Number of Plants Provided		
Shade Trees	0	0
Evergreen Trees	0	0
Other Trees (2:1 substitution)	0	0
Shrubs (10:1 substitution)	0	0
(Describe plant substitution credits below if needed)		

SCHEDULE A PERIMETER LANDSCAPE EDGE E		
Category	Adjacent to Roadways	Adjacent to Perimeter Properties
Landscape Type	B	NA
Linear Feet of Roadway Frontage / Perimeter	45.42 LF	NA
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	Yes, 45.42 LF	NA
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	NA	NA
Number of Plants Required		
Shade Trees	0	0
Evergreen Trees	0	0
Shrubs	0	0
Number of Plants Provided		
Shade Trees	0	0
Evergreen Trees	0	0
Other Trees (2:1 substitution)	0	0
Shrubs (10:1 substitution)	0	0
(Describe plant substitution credits below if needed)		

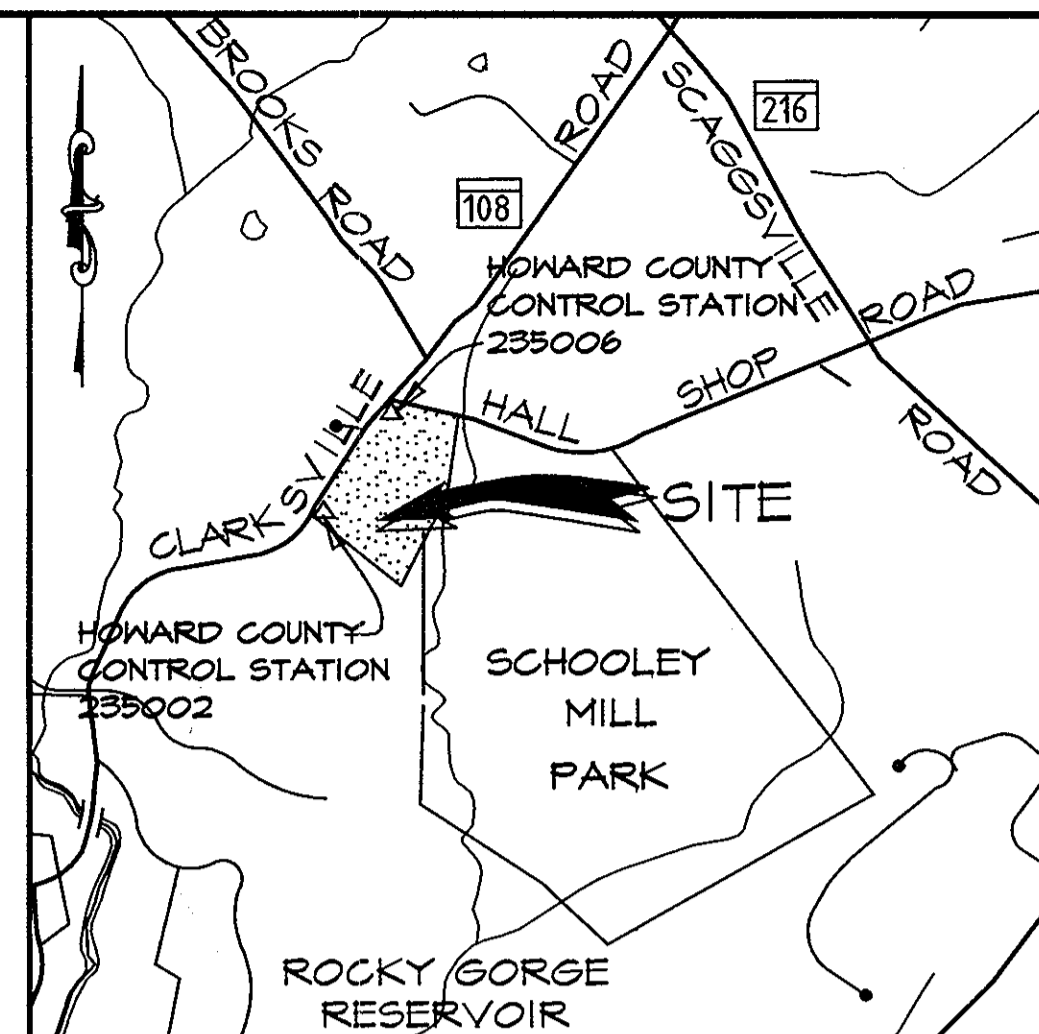
SCHEDULE A PERIMETER LANDSCAPE EDGE C		
Category	Adjacent to Roadways	Adjacent to Perimeter Properties
Landscape Type	NA	A
Linear Feet of Roadway Frontage / Perimeter	NA	198.20 LF
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	NA	Yes, 4 Shade Trees
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	NA	NA
Number of Plants Required		
Shade Trees	0	0
Evergreen Trees	0	0
Shrubs	0	0
Number of Plants Provided		
Shade Trees	0	0
Evergreen Trees	0	0
Other Trees (2:1 substitution)	0	0
Shrubs (10:1 substitution)	0	0
(Describe plant substitution credits below if needed)		

LANDSCAPING REQUIRED:
 SHADE TREES REQUIRED: 0
 EVERGREEN TREES REQUIRED: 0
 OTHER TREES REQUIRED: 0

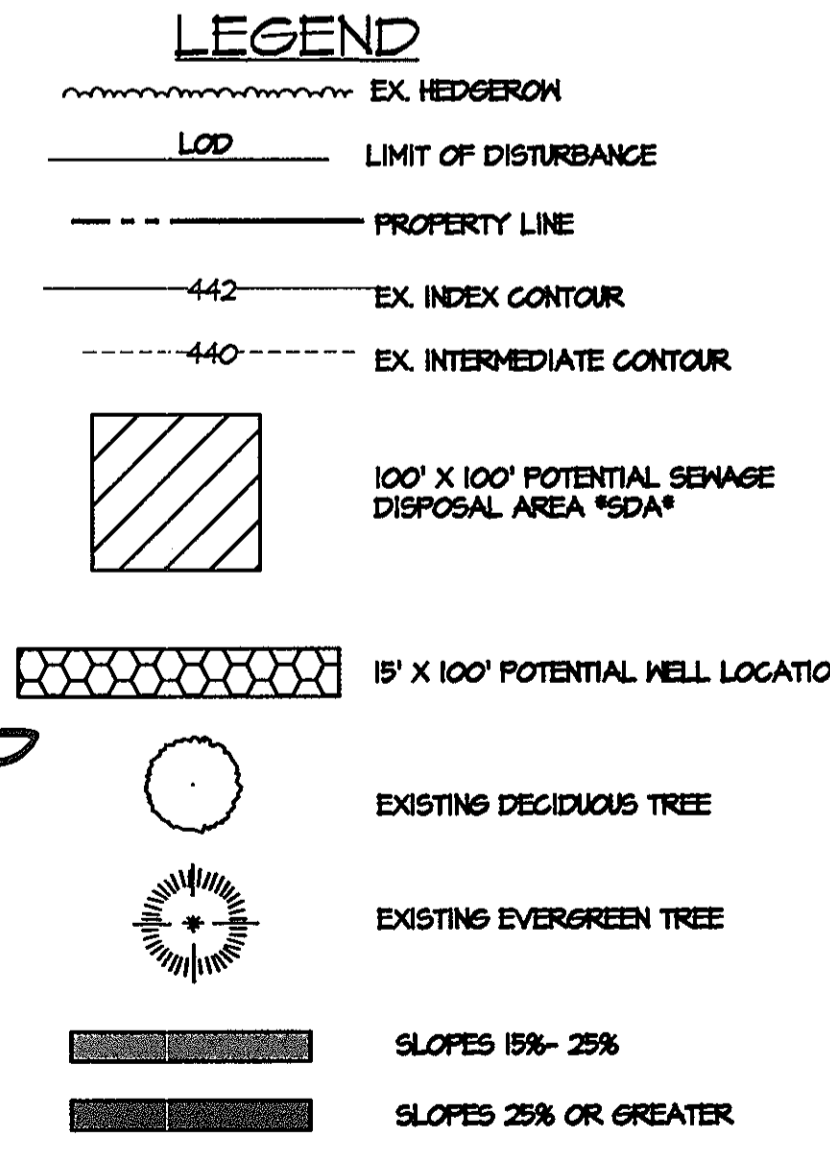
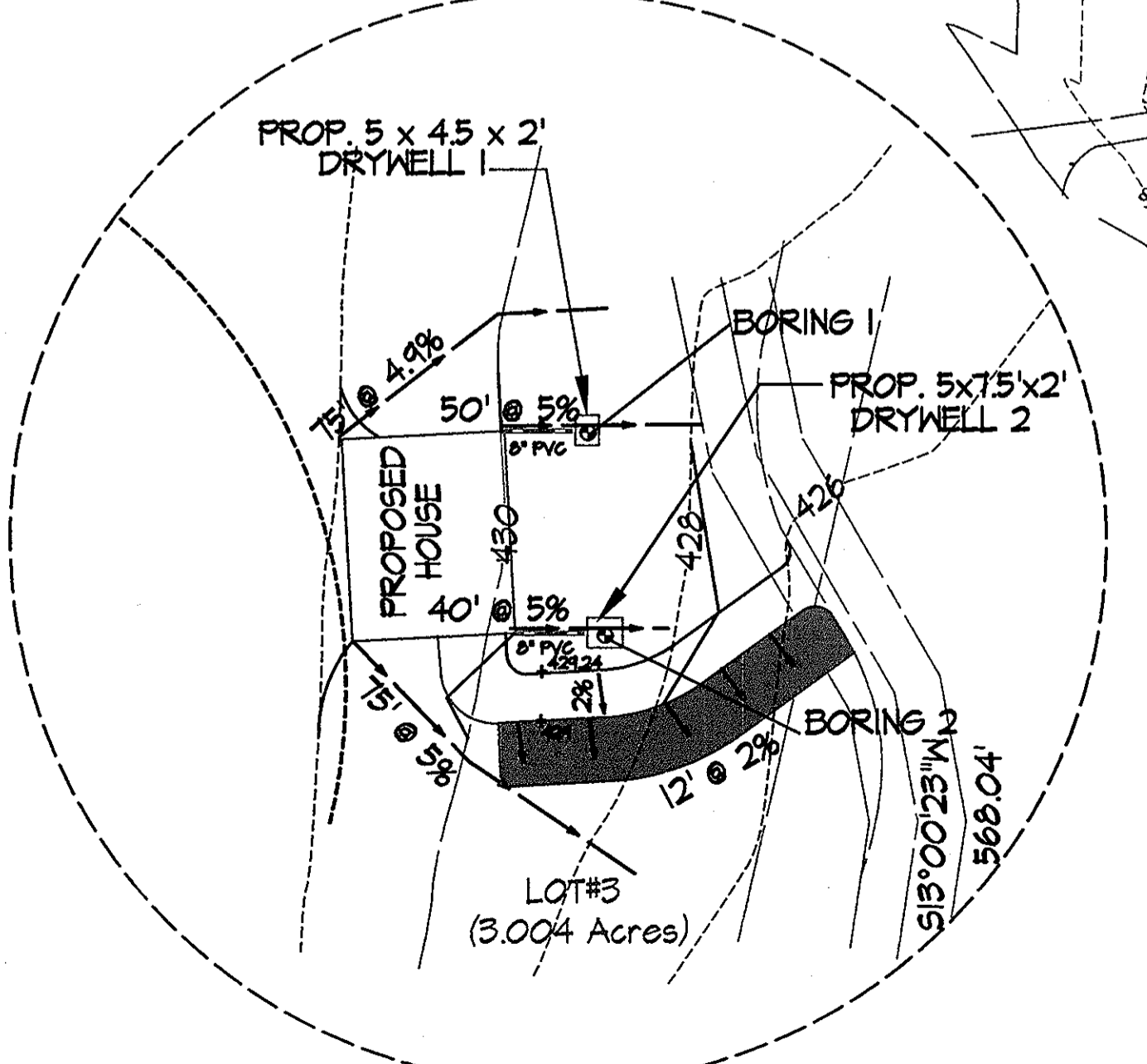
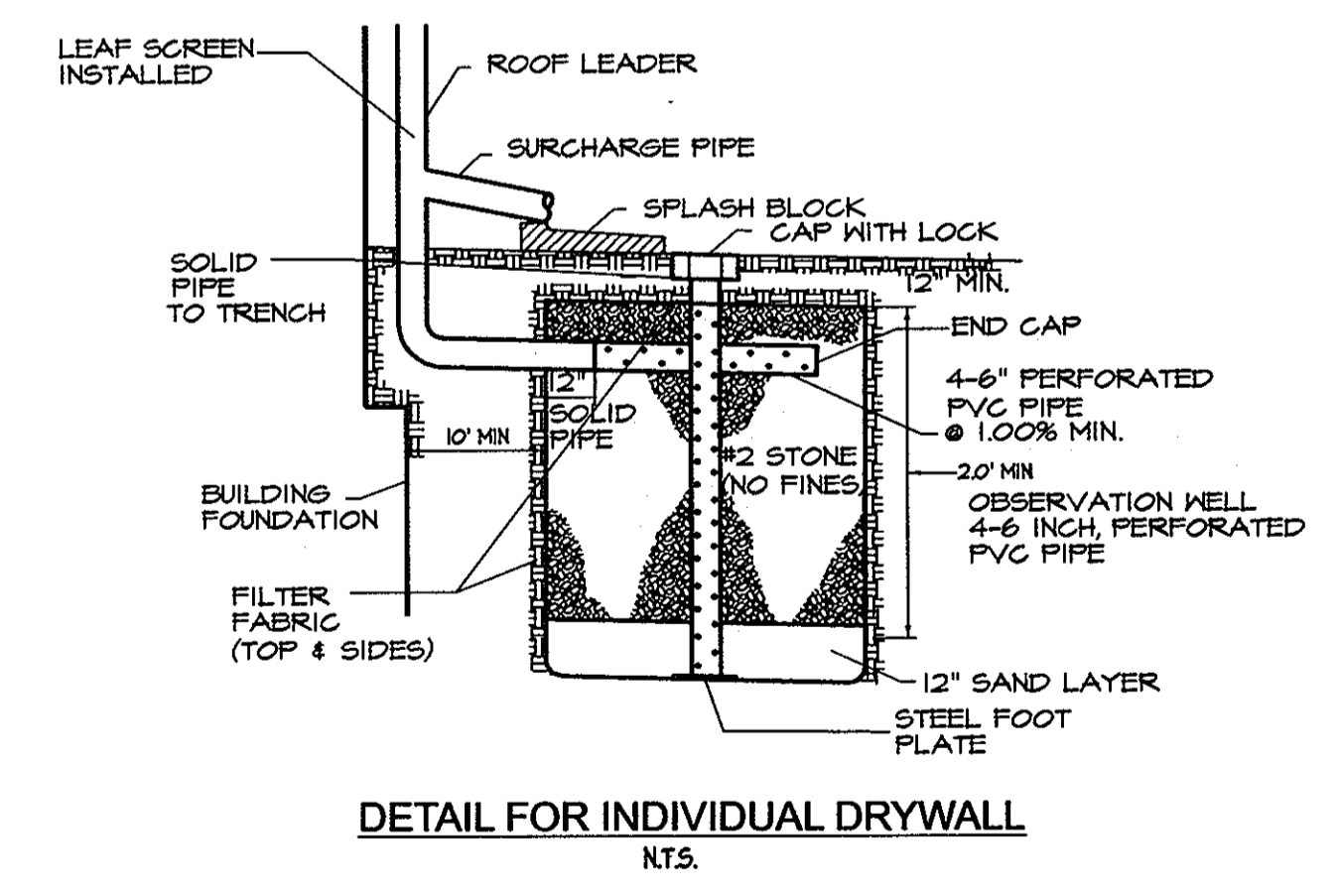
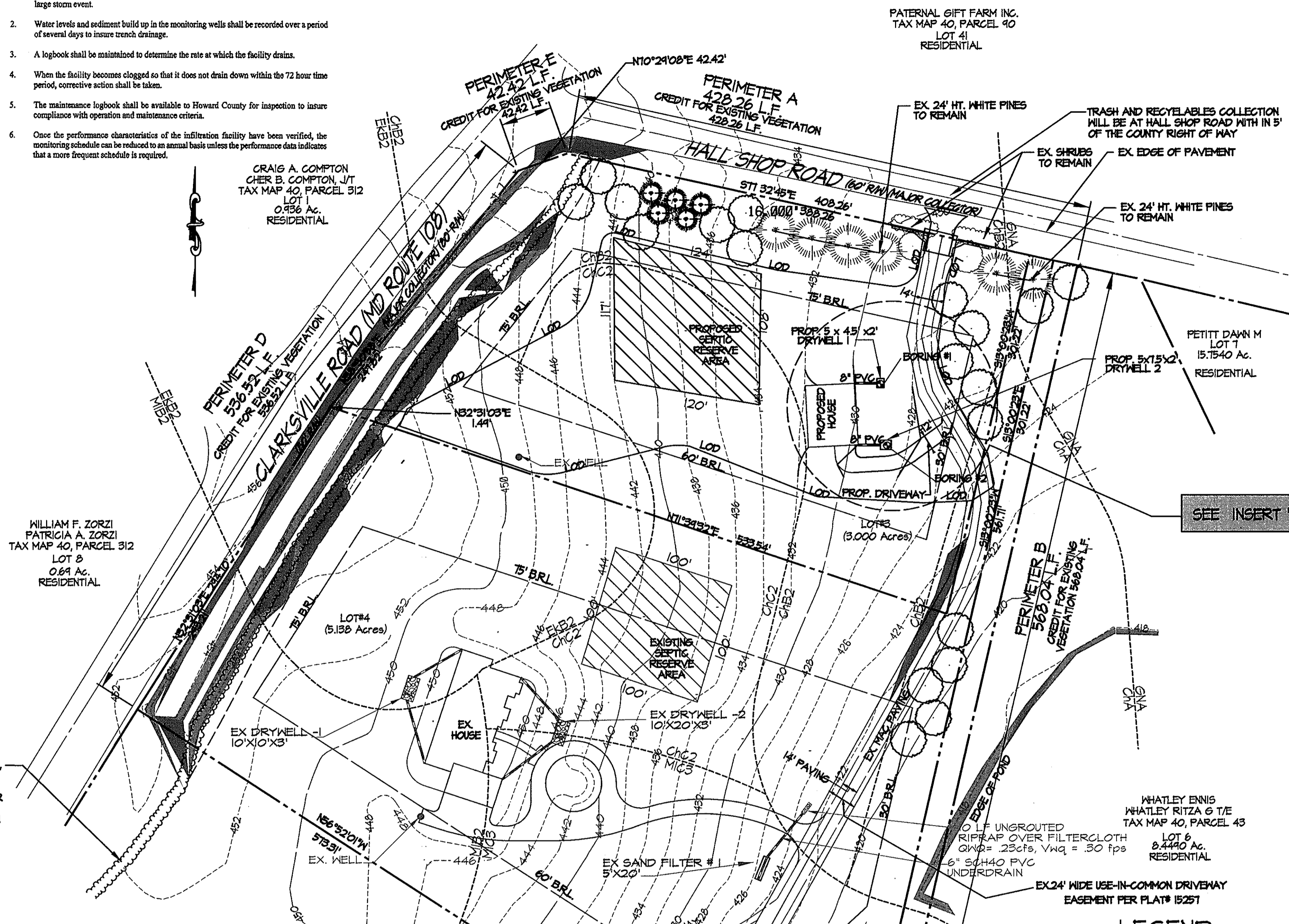
LANDSCAPING PROVIDED:
 SHADE TREES PROVIDED: 0
 EVERGREEN TREES PROVIDED: 0
 OTHER TREES PROVIDED: 0

OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED STORMWATER INFILTRATION TRENCHES (1-3)

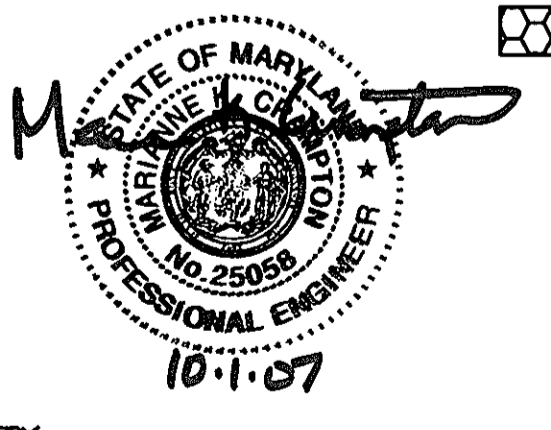
- The monitoring wells and structures shall be inspected on a quarterly basis and after every large storm event.
- Water levels and sediment build up in the monitoring wells shall be recorded over a period of several days to insure trench drainage.
- A logbook shall be maintained to determine the rate at which the facility drains.
- When the facility becomes clogged so that it does not drain down within the 72 hour time period, corrective action shall be taken.
- The maintenance logbook shall be available to Howard County for inspection to insure compliance with operation and maintenance criteria.
- Once the performance characteristics of the infiltration facility have been verified, the monitoring schedule can be reduced to an annual basis unless the performance data indicates that a more frequent schedule is required.



- SITE NOTES**
- APPLICANT: WARREN AND HELEN MATZEN, P.O. BOX 185, HIGHLAND, MD 20711
 - PROPERTY OWNER: WARREN AND HELEN MATZEN, P.O. BOX 185, HIGHLAND, MD 20711
 - SITE DATA: TAX MAP: 40, PARCEL: 48, LIBER: 4106 FOLIO: 640, ACRES: 15.88 ACRES, ADDRESS: 13041 HALL SHOP ROAD, HIGHLAND, MD 20711
 - CURRENT USE: RESIDENTIAL
 - PROPOSED USE: RESIDENTIAL
 - SUBJECT PROPERTY ZONED RRR-DEO PER THE 7/22/06 COMPREHENSIVE ZONING PLAN.
 - DRIVEWAY TO LOT 3 AND 4 SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING (MINIMUM) REQUIREMENTS:
 - WIDTH - 12' (4' SERVING MORE THAN ONE RESIDENT)
 - SURFACE - SIX (6) INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1/2" MINIMUM)
 - GEOMETRY - MAXIMUM 14% GRADE, MAXIMUM 10% GRADE CHANGE AND 45 FOOT TURNING RADIUS
 - STRUCTURES (GULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (125 LOADS)
 - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOODPLAIN WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE
 - STRUCTURE CLEARANCES - MINIMUM 12 FEET
 - MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE
 - NO GRADING, REMOVAL OF VEGETATION COVER OR TREES, OR PLACEMENT OF NEW STRUCTURES IS PERMITTED WITHIN THE LIMITS OF WETLANDS, STREAMS, OR THEIR BUFFERS AND FOREST CONSERVATION EASEMENT AREAS.
 - FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND ROAD RIGHT-OF-WAY LINE AND NOT TO THE PIPESTEM LOT DRIVEWAY.
 - THERE IS AN EXISTING DWELLING/STRUCTURE LOCATED ON LOT 3 TO REMAIN. NO NEW BUILDINGS, EXTENSIONS OR ADDITIONS TO THE EXISTING DWELLING ARE TO BE CONSTRUCTED AT A DISTANCE LESS THAN THE ZONING REGULATIONS REQUIRE.
 - THIS PLAN IS BASED ON A FIELD RAIN MONUMENTED BOUNDARY SURVEY PERFORMED ABOUT MARCH 23, 2005 BY KCI TECHNOLOGIES, INC.
 - SOILS INFORMATION OBTAINED FROM SOIL SURVEY OF HOWARD COUNTY, DATED JULY 1968. SOIL SURVEY SHEET NUMBER 2B.
 - THERE ARE NO WETLANDS ON SITE THAT WILL BE DISTURBED OR THAT WILL REQUIRE 401 AND 404 WETLANDS PERMITS FROM THE STATE OF MARYLAND.
 - THERE IS NO 100 YEAR FLOODPLAIN LOCATED ON SITE, BASED FEMA FLOOD INSURANCE RATE MAP, PANEL # 240044 00310B.
 - THERE ARE NO FOREST RESOURCES LOCATED ON-SITE BASED ON FIELD SURVEY CONDUCTED BY KCI TECHNOLOGIES ABOUT MAY 19, 2005.
 - LANDSCAPING FOR LOT(S) 3 AND 4 IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING WAS POSTED AS PART OF THE DEVELOPERS GRADING PERMIT (F-05-104) IN THE AMOUNT OF \$1,650.00
 - STORM WATER MANAGEMENT FOR LOT #4 HAS BEEN PREVIOUSLY PROVIDED UNDER BUILDING PERMIT # 00051933.
 - THE PROPOSED DRYWELLS ON LOT 3 MUST BE PROVIDED EXACTLY AS SHOWN ON THIS PLAN AND WILL BE BONDED FOR IN THE AMOUNT OF \$2,000 WITH THE GRADING PERMIT APPLICATION FOR THAT LOT.



PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 25058, EXPIRATION DATE: 11-17-08



APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
 [Signature]
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature]
 CHIEF, DIVISION OF LAND DEVELOPMENT

KCI TECHNOLOGIES
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 Laurel, MD 20708
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 Fax: (410) 379-7419
 www.kci.com

NO.	DATE	REVISIONS DESCRIPTION	BY	DATE
				SCALE
				04-08-06
				1" = 60'
				DESIGNED BY
				DRAWN BY
				KED

NICOLAR PROPERTY ESTATES II
 LOTS 3 AND 4
 LANDSCAPE & SUPPLEMENTAL PLAN
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

DRAWING NO. **LSPI**
 SHEET 1 OF 1
 KCI JOB NUMBER 1605912