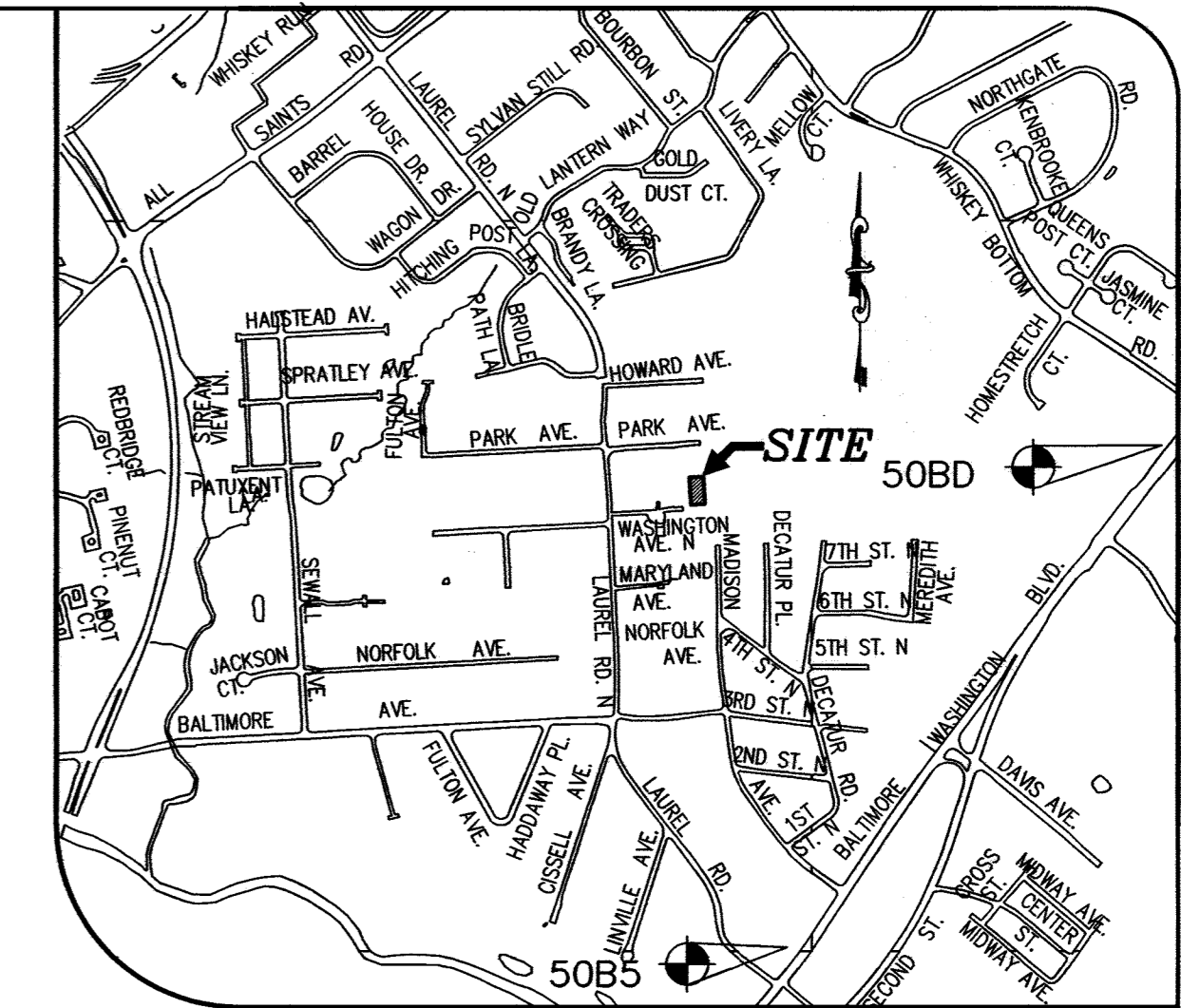


SOILS TABLE

SYMBOL	RATING	NAME	K FACTOR	MAP NO.	COMMENTS
Ucd	(D)	URBAN LAND-CHILUM-BELTSVILLE COMPLEX, 5-15% SLOPES	0.37	23	HIGHLY ERODIBLE

SWM PRACTICES SCHEDULE

AREA	PROPOSED PRACTICES	REQUIRED ESD _v	PROVIDED ESD _v
9510 WASHINGTON AVE.	M-6, MICRO BIORETENTION	276 C.F.	285 C.F.



VICINITY MAP
SCALE: 1" = 100'
ADC MAP 40, GRID C-7

NOTES:

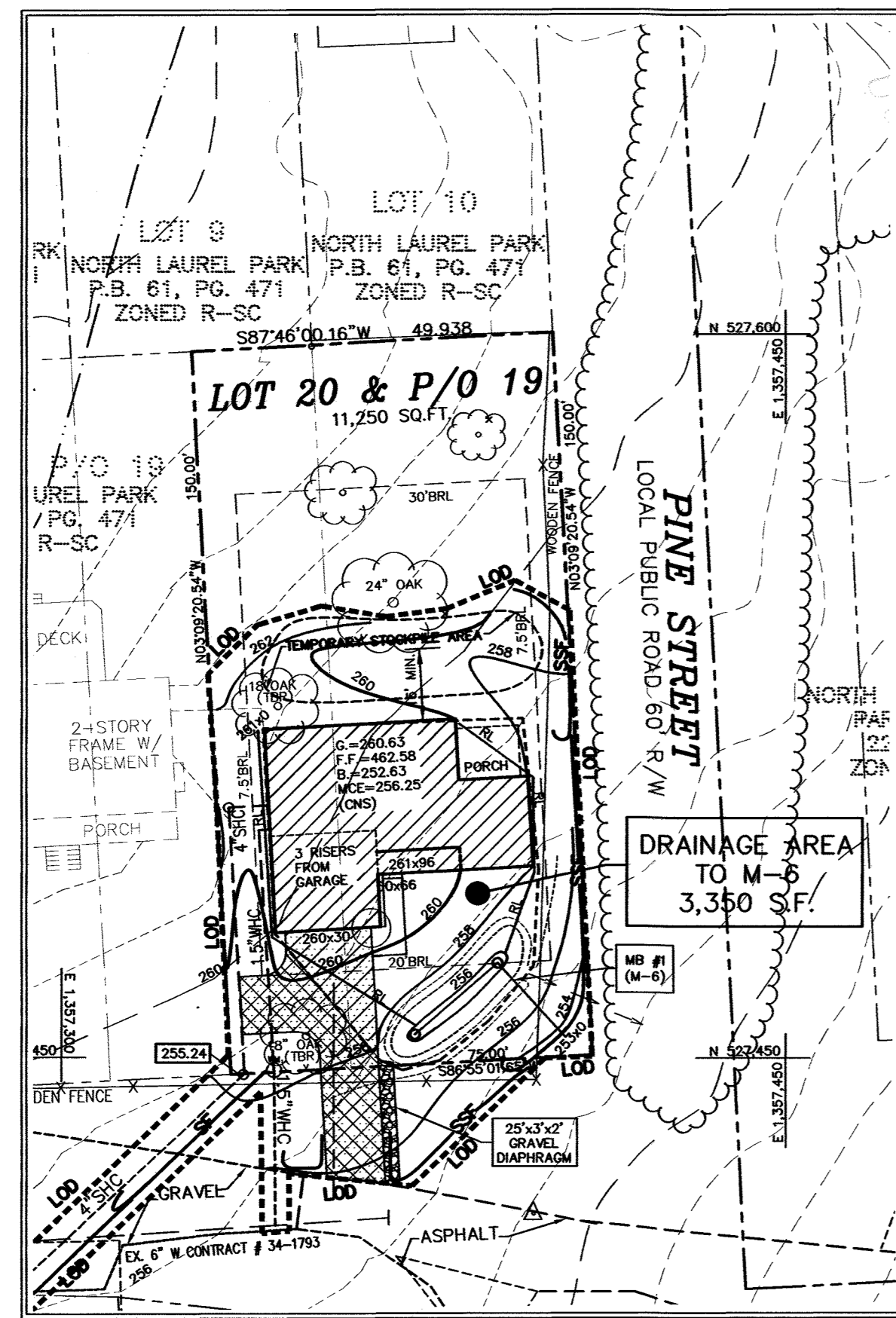
- SITE ANALYSIS DATA:**
ADDRESS: N. WASHINGTON AVE, LAUREL MD, 20723
LOCATION: TAX MAP : 50 PARCEL: 426 LOT: 20 & P/O 19 GRID 3, LIBER 5996 FOLIO 7074
ELECTION DISTRICT : SIXTH
ZONING: R-SC
TOTAL AREA: 0.258 AC
TOTAL NUMBER OF UNITS : 1
TYPE OF PROPOSED UNIT : SFD
PROPOSED USE FOR SITE : RESIDENTIAL
- COORDINATES BASED ON NAD '83 (HORIZONTAL) AND NAD '88 (VERTICAL) MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 46FC & 47DB**
STA. No. 50B8 N 527,593.830 E 1,359,803.018 ELEV. 245.80
STA. No. 50B5 N 524,999.311 E 1,357,925.729 ELEV. 177.43
- PROJECT BOUNDARY IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT SEPTEMBER, 2018 BY MILDBERG, BOENDER & ASSOC., INC.
- EXISTING TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY PERFORMED ON OR ABOUT FEBRUARY, 2020 BY MILDBERG, BOENDER & ASSOC., INC.
- PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. PUBLIC WATER AND SEWER WILL BE UTILIZED UNDER CONTRACT # 34-1793.
- NO CEMETERIES EXIST ON SITE.
- THIS SITE IS NOT LOCATED IN A HISTORIC DISTRICT.
- NO FORESTED AREAS, WETLANDS, FLOODPLAIN, STREAMS AND ITS BUFFERS EXIST ON SITE.
- NO AREA OF STEEP SLOPES 15% OR GREATER EXIST ON SITE.
- THERE ARE NO SPECIMEN TREES THAT EXIST ON SITE.
- APPROVAL OF THIS ECP DOES NOT CONSTITUTE ANY APPROVAL OF SUBSEQUENT SUBDIVISION OR SITE DEVELOPMENT PLANS. FURTHER COMMENTS WILL BE GENERATED UPON REVIEW OF THE APPLICABLE DEVELOPMENT PLANS IN ACCORDANCE WITH THE SUBDIVISION AND ZONING REGULATIONS. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.
- THIS PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS (COUNCIL BILL 45-2003). DEVELOPMENT OR CONSTRUCTION OF THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION OR BUILDING/GRADING PERMIT.
- THIS PROJECT IS EXEMPT FROM FOREST CONSERVATION REQUIREMENTS AS PER SECTION 16.1202(b)(1)(i) OF HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. A DEVELOPMENT ACTIVITY ON A SINGLE LOT SMALLER THAN 40,000 SQUARE FEET, AS LONG AS THE CUTTING, CLEARING OR GRADING DOES NOT INCLUDE ANY AREA ALREADY SUBJECT TO A PREVIOUSLY APPROVE FOREST CONSERVATION PLAN.

ESD NARRATIVE

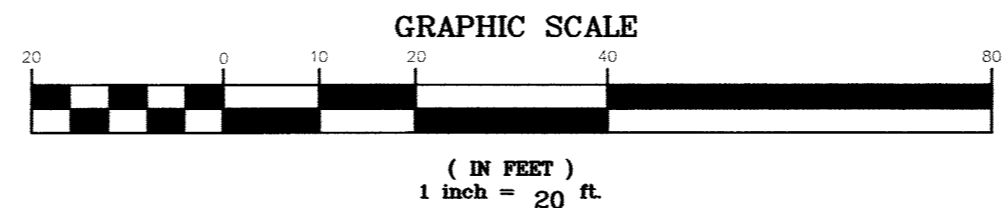
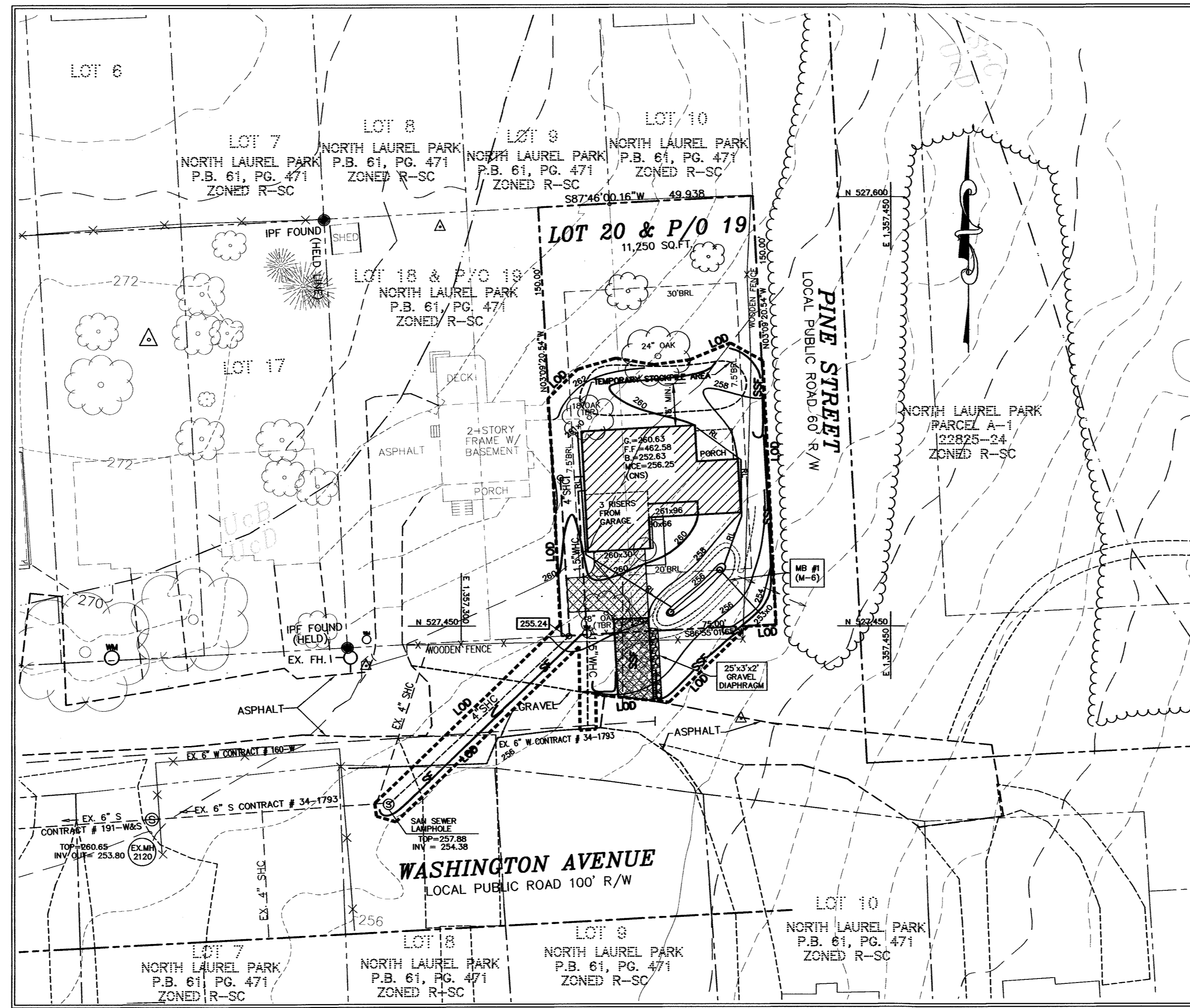
- WETLANDS AND ITS BUFFERS, STREAMS AND ITS BUFFERS, OR STEEP SLOPES DO NOT EXIST ON SITE. NO FORESTED AREAS OR SPECIMEN TREES EXISTS ON SITE.
- THE IMPROVEMENTS AND DEVELOPED AREA WILL MAINTAIN THE EXISTING DRAINAGE PATTERNS AS CLOSELY AS POSSIBLE. NO IMPACT IS PROPOSED THAT WOULD ALTER ANY NATURAL FLOW PATTERNS.
- 12' WIDE DRIVEWAY WILL BE USED OR SERVE THIS LOT. MICRO-BIORETENTION (M-6) WILL PROVIDE STORMWATER QUALITY TREATMENT FOR THE NEW DEVELOPMENT.
- THE REQUIRED EROSION AND SEDIMENT CONTROL MEASURES WILL BE IN ACCORDANCE WITH THE LATEST MDE STANDARDS AND SPECIFICATIONS UTILIZING SUPER SILT FENCES. NO SEDIMENT TRAPS OR BASINS ARE REQUIRED.
- TABLE 5.2, SUMMARY OF SITE DEVELOPMENT STRATEGIES WAS UTILIZED TO THE EXTENT ALLOWABLE BY THE CURRENT HOWARD COUNTY ZONING AND LAND DEVELOPMENT REGULATIONS BY UTILIZING SHARED DRIVEWAY AND MINIMIZING EARTH DISTURBANCE.
- IN DESIGNING THIS PROJECT, AND AFTER WE PLANNED THE PROJECT TO MINIMIZE IMPERVIOUS AREAS, WE UTILIZED ESD MEASURES IN THE FOLLOWING ORDER OF PREFERENCE:
MICRO-SCALE PRACTICES: (M-6)

SITE ANALYSIS DATA:

- AREA OF THE SITE = 0.258± AC (GROSS)
- LIMIT OF DISTURBANCE = 10,108 S.F. (0.23 AC±)
- AREA OF ROAD DEDICATION = 0
- AREA OF WETLANDS AND ITS BUFFERS = 0
- AREA OF 100 YEAR FLOODPLAIN = 0
- AREA OF STREAM BUFFER = 0
- AREA OF STEEP SLOPES (25% OR GREATER AT VERTICAL DISTANCE OF 10 FEET OR MORE) = 0
- AREA OF 15%-24.99% SLOPES = 0
- AREA OF SLOPES 20% OR GREATER = 0
- AREA OF FOREST = 0
- TOTAL ENVIRONMENTAL SENSITIVE AREA = 0
- AREA OF HIGHLY ERODIBLE SOILS = 11,250 S.F. (0.258 AC±)
- PROPOSED GREEN OPEN SPACE = 8,350 S.F. (0.19 AC±)
- PROPOSED IMPERVIOUS AREA = 2,900 S.F. (0.06 AC±)
- ONE (1) NEW SINGLE FAMILY DETACHED RESIDENTIAL UNIT IS PROPOSED.

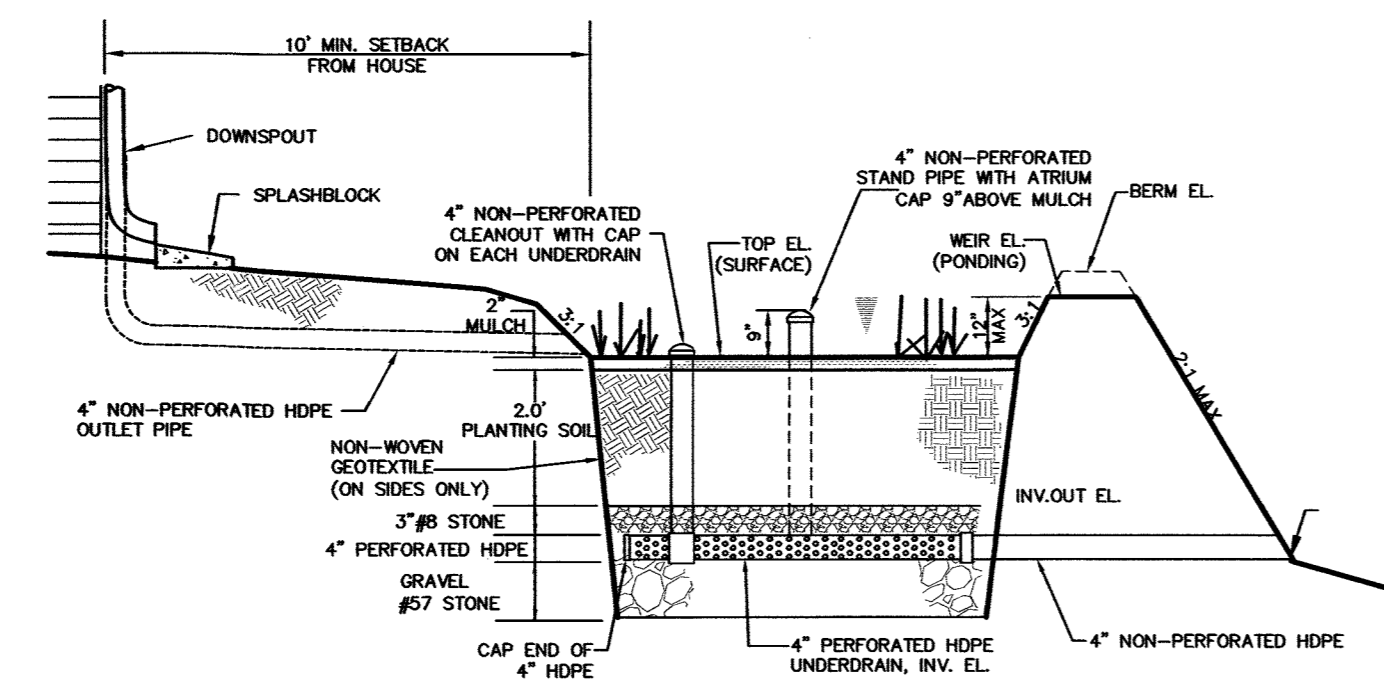


DRAINAGE AREA MAP
SCALE: 1" = 20'

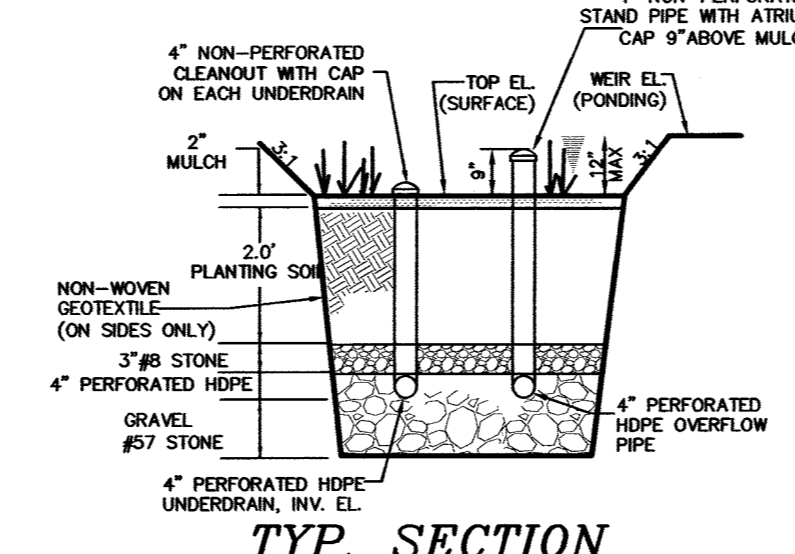


LEGEND

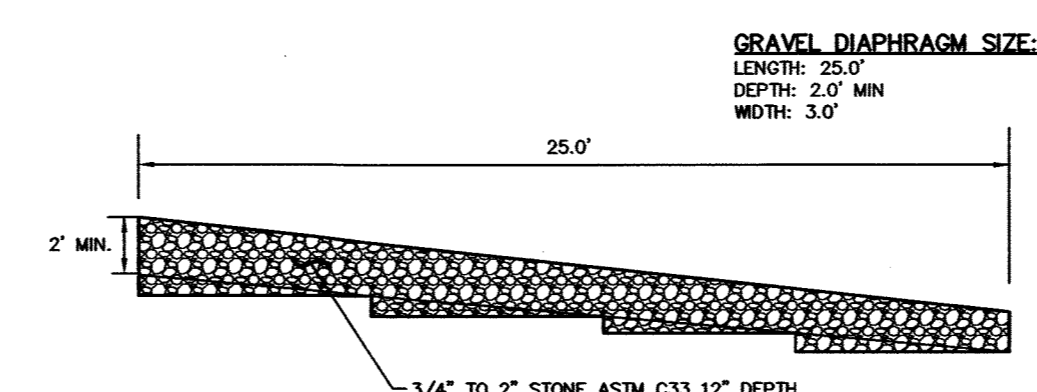
- PROPOSED DRIVEWAY
- SUPER SILT FENCE
- SILT FENCE
- LIMIT OF DISTURBANCE
- MICRO-BIORETENTION (M-6)
- IMPERVIOUS AREA TREATED BY (M-6)
- IMPERVIOUS AREA TREATED BY GRAVEL DIAPHRAGM
- STABILIZED CONSTRUCTION ENTRANCE



TYPICAL MICRO-BIORETENTION PROFILE
NTS



TYP. SECTION MICRO-BIORETENTION (M-6)
NTS

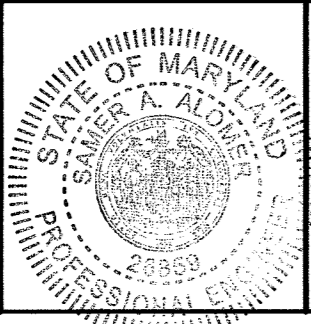


GRAVEL DIAPHRAGM DETAIL
NTS

OWNER/DEVELOPER

CHING LAN
9510 WASHINGTON AVE.
LAUREL, MD 20723
240-593-4554

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Ching Lan 7:22:20
CHIEF, DEVELOPMENT ENGINEERING DIVISION 4 DATE



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 23859, EXP. DATE 08/08/21.
Samer A. Alomer 5.21.2020
SAMER A. ALOMER, P.E. DATE

project	date	description	revision
20-003	MAY 2020	illustration	MM
		engineering	MM
		approval	MM

project	date	description	revision
20-003	MAY 2020	illustration	MM
		engineering	MM
		approval	MM

NORTH LAUREL PARK
LOT 20 & P/O LOT 19
TAX MAP: 50 BLOCK: 3 PARCEL: 426 LOT: 20 & P/O 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MD
ENVIRONMENTAL CONCEPT PLAN

MILDBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
7860-B Grace Drive, Columbia, Maryland 21044
(410) 997-0286 Tel. (410) 997-0288 Fax.