

| SHEET INDEX | |
|-------------|-------------------|
| SHEET NO. | DESCRIPTION |
| 1 | TITLE SHEET |
| 2 | SUPPLEMENTAL PLAN |

| LEGEND | | | |
|--------|--------------------------------------|--------|--|
| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
| | EXISTING 2' CONTOURS | | PROPOSED CONTOUR |
| | EXISTING 10' CONTOURS | | SPOT ELEVATION |
| | SOILS LINES AND TYPE | | LIMITS OF DISTURBANCE |
| | EXISTING TREELINE | | DRAINAGE AREA DIVIDE |
| | PROPOSED TREELINE | | SUPER SILT FENCE |
| | INDIVIDUAL TREES & SHRUBS | | EROSION CONTROL MATTING |
| | EXISTING CHAIN LINK FENCE LINE (CLF) | | STABILIZES CONSTRUCTION ENTRANCE |
| | EXISTING WOOD FENCE LINE | | TREE PROTECTION FENCE |
| | EXISTING PAVING | | PROPOSED 24' USE-IN-COMMON DRIVEWAY EASEMENT |
| | PROPOSED PAVING | | TO BE REMOVED |

- ### SEQUENCE OF CONSTRUCTION
- OBTAIN A GRADING PERMIT AND HOLD PRE-CONSTRUCTION MEETING WITH COUNTY INSPECTOR. (2 WEEKS)
 - NOTIFY "MISS UTILITY" AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK AT 1-800-257-7777. NOTIFY THE HOWARD COUNTY OFFICE OF CONSTRUCTION/INSPECTION AT 410-313-1330 AT LEAST 24 HOURS BEFORE STARTING WORK.
 - INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE, AND SUPER SILT FENCE. (1 DAY)
 - REMOVE NECESSARY TREES AND REMOVE HOUSE. (1 WEEK)
 - ROUGH GRADE COMMON DRIVEWAY ALONG WITH SHALES AND TEMPORARY AND/OR PERMANENTLY SEED WHERE NECESSARY. (1 WEEK)
 - ROUGH GRADE LOTS AND INSTALL INDIVIDUAL DRIVEWAYS. (3 DAYS PER LOT)
 - INSTALL TEMPORARY SEEDING AND PERMANENT SOIL STABILIZATION MATTING WHERE NECESSARY. (1 DAY PER LOT)
 - CONSTRUCT HOUSES, CONSTRUCT DRIVEWAYS, AND INSTALL WHCA AND SHCA. (6 MONTHS PER LOT)
 - UPON COMPLETION OF HOUSES, FINE GRADE SITE. (1 WEEK PER LOT)
 - INSTALL PERMANENT SEEDING WITH CONSTRUCTION ON EACH LOT. (1 DAY PER LOT)
 - UPON COMPLETION OF GRADING, INSTALL SKOOL LEADERS AND MICRO-BIORETENTION ON LOTS 6 & 7. (1 WEEK PER LOT)
 - ALL FINAL GRADING AND STABILIZATION SHOULD BE COMPLETED BEFORE ANY REMOVAL OF CONTROLS, WHEN ALL CONTRIBUTING AREAS TO THE SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED AND WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, THE SEDIMENT CONTROL DEVICES MAY BE REMOVED. (3 DAYS)
- NOTE: THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE EACH RAINFALL AND ON A DAILY BASIS.

SUPPLEMENTAL PLAN CEDARS EXTENDED LOTS 6 AND 7

ZONED: R-SC (RESIDENTIAL: SINGLE CLUSTER DISTRICT)

TAX MAP No. 43 GRID No. 08 PARCEL NO. 257

SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

| STORMWATER MANAGEMENT PIPE SCHEDULE | | |
|-------------------------------------|-----------------|----------|
| SIZE | TYPE | LENGTH |
| 4" | PVC | 12 L.F. |
| 6" | PVC | 252 L.F. |
| 8" | PVC | 103 L.F. |
| 4" | PVC, PERFORATED | 63 L.F. |

- ### GENERAL NOTES
- THIS PROPERTY IS ZONED R-5C PER THE 10/06/13 COMPREHENSIVE ZONING PLAN.
 - BOUNDARY SHOWN HEREON IS BASED ON FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC. DATED JUNE, 2018.
 - TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC. IN JUNE, 2018 AND SUPPLEMENTED WITH HOWARD COUNTY GIS TOPOGRAPHY AT 5' CONTOUR INTERVAL INTERFERED FOR 2' CONTOUR INTERVAL.
 - THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 4368 AND 4366 WERE USED FOR THIS PROJECT.
 4368: N 1,371,575.814 E 216.313 Elev = 218.313
 4366: N 544,117.488 E 1,370,550.920 Elev = 219.402
 - PROPERTY IS SUBJECT TO PROBE DEPARTMENT OF PLANNING AND ZONING FILE NO. ECP-19-011 AND WP-20-071
 - 801 DENTON BUILDING RESTRICTION LINE.
 - ALL AREAS ARE MORE OR LESS (±)
 - DISTANCES SHOWN ARE BASED ON SURFACE MEASUREMENT AND NOT REDUCED TO NA 83 GSD MEASUREMENTS.
 - DRIVEWAY SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 12" (1" SEVERING MORE THAN ONE RESIDENCE)
 SURFACE: 6" OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1 1/2" MIN) GEOMETRY - MAX. 15% GRADE, MAX. 10% GRADE CHANGE AND MIN. 45' TURNING RADIUS
 MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
 - NO GRADING, REMOVAL OF VEGETATIVE COVER OF TREES, PAVING, AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE LIMITS OF THE WETLANDS, STREAMS) OR THEIR BUFFERS, FLOODPLAIN AND FOREST CONSERVATION EASEMENT AREAS UNLESS AN ALTERNATIVE COMPLIANCE TO DISTURB ANY OF THESE ENVIRONMENTAL FEATURES HAS BEEN APPROVED.
 - STORM WATER MANAGEMENT IS IN ACCORDANCE WITH THE M.D.E. STORM WATER DESIGN MANUAL, VOLUMES 1 & 2, REVISED 2002. NON-STRUCTURAL PRACTICES IN ACCORDANCE WITH CHAPTER 5 ARE BEING UTILIZED. ONE MICRO-BIORETENTION (M-6) AND ONE RAIN GARDEN (M-7) ARE PROPOSED AND WILL BE PRIVATELY OWNED AND MAINTAINED.
 - THIS PROPERTY IS LOCATED INSIDE THE METROPOLITAN DISTRICT. LOTS TO BE SERVED PUBLIC WATER AND PUBLIC SEWER, CONTRACT #676-5 & #24-3911.
 - WATER AND SEWER SERVICE TO THESE LOTS WILL BE GRANTED UNDER THE PROVISIONS OF SECTION 18.122.B OF THE HOWARD COUNTY CODE.
 - PUBLIC WATER AND SEWER ALLOCATIONS WILL BE QUANTIFIED AT THE TIME OF ISSUANCE OF BUILDING PERMIT IF CAPACITY IS AVAILABLE AT THAT TIME.
 - ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
 - NO 100 YEAR FLOODPLAIN, WETLANDS AND/OR THEIR BUFFERS, STREAM(S), NOR STEEP SLOPES EXIST ON-SITE. STREAM BUFFER DOES EXIST ON THE PROPERTY.
 - NO FOREST STANDS OR SPECIMEN TREES EXIST ON-SITE. SEE ENVIRONMENTAL FINDINGS LETTER PREPARED BY ECO-SCIENCE PROFESSIONALS, INC. DATED JANUARY 7, 2019.
 - THIS PROPERTY IS EXEMPT FROM FOREST CONSERVATION REQUIREMENTS SINCE IT IS A LOT LESS THAN 40,000 SQ.FT. AND A SUBDIVISION CREATING ONE LOT WITH NO FURTHER SUBDIVISION POTENTIAL.
 - FINANCIAL CUREY FOR THE REQUIRED LANDSCAPING (7 SHADE TREES AND 47 SHRUBS) IN THE AMOUNT OF \$3,510 WILL BE DEFERRED TO THE SITE DEVELOPMENT PLAN AND POSTED WITH THE GRADING PERMIT.
 - NO HISTORICAL FEATURES OR CEMETERY ARE ON SITE.
 - A HOUSE EXISTS ON THE PROPERTY, KNOWN AS 7368 CEDAR AVENUE, WHICH WILL BE RAZED.
 - SOILS SHOWN HEREON ARE BASED ON THE NCS WEBSOIL SURVEY AND HOWARD COUNTY SOIL MAP #25.
 - AN APPO TRAFFIC STUDY FOR THIS PROJECT IS NOT REQUIRED PER VOLUME III DESIGN MANUAL, ROAD AND BRIDGES SECTION 4.7.B.5. BECAUSE THIS SUBDIVISION IS A RESIDENTIAL MINOR SUBDIVISION.
 - A SPEED STUDY DATED NOVEMBER, 2018 WAS PREPARED BY M&S GROUP.
 - TOTAL AREA OF FLOODPLAIN LOCATED ON-SITE = 0.00 AC.±
 - TOTAL AREA OF STEEP SLOPES:
 MODERATED STEEP SLOPES: 15%-24.9% = 0.00 AC.±
 STEEP SLOPES: 25% OR GREATER = 0.00 AC.±
 - TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0.00 AC.±
 - TOTAL AREA OF STREAM (INCLUDING BUFFER) = 0.143 AC.± (STREAM BUFFER)
 - TOTAL AREA OF EXISTING FOREST = 0.00 AC.±
 - TOTAL AREA OF FOREST TO BE RETAINED = 0.00 AC.±
 - TOTAL AREA OF LOTS / BUILDABLE PARCELS = 0.595 AC.±
 - TOTAL GREEN OPEN AREA = 0.430 AC.±
 - * (LOT AREA - IMPERVIOUS)
 - TOTAL IMPERVIOUS AREA = 0.165 AC.±
 - TOTAL AREA OF ERODIBLE SOILS = 0.000 AC.±
 - N. TOTAL AREA OF ROAD DEDICATION = 0.023 AC.±
 - STREET LIGHT PLACEMENT AND THE TYPE OF FIXTURE AND POLE SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME III (1993) AND AS MODIFIED BY "GUIDELINES FOR STREET LIGHTS IN RESIDENTIAL DEVELOPMENTS (JUNE 1993)." A MINIMUM SPACING OF 207' SHALL BE BETWEEN ANY STREETLIGHT AND ANY TREE.
 - ALL SIGN POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2 GALVANIZED STEEL, PERFORATED, SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-1/2 GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) 3' LONG. A GALVANIZED STEEL CAP SHALL BE MOUNTED ON TOP OF EACH POST.
 - EXISTING UTILITIES ARE BASED ON FIELD LOCATION AND SUPPLEMENTED WITH COUNTY AVAILABLE DATA.
 - ON MAY 6, 2020, THE DIRECTOR OF PLANNING & ZONING DENIED THE REQUEST FOR ALTERNATIVE COMPLIANCE (WP-20-071) TO SECTION 15.134(a)(4) IN LIEU OF SEVERAL. ON MAY 7, THE DIRECTOR OF PLANNING AND ZONING APPROVED THE REQUEST FOR ALTERNATIVE COMPLIANCE TO SECTION 26.116(a)(2)(i) AND 16-116(a)(3) TO DISTURB A 75-FOOT STREAM BUFFER FOR THE CONSTRUCTION OF A SHARED DRIVEWAY THAT SHALL PROVIDE ACCESS TO THE SUBJECT PROPERTY AND TO PERMIT THE STREAM BANK BUFFER ON A LOT LESS THAN 10 ACRES IN AREA. APPROVAL IS SUBJECT TO THE FOLLOWING:
 (1) THE DISTURBANCE OF THE STREAM BUFFER SHALL ONLY BE PERMITTED FOR THE CONSTRUCTION OF THE PROPOSED 16-FOOT WIDE PAVED SHARED DRIVEWAY AND LAND CLEARANCE RELATED TO THE DRIVEWAY CONSTRUCTION, STORM DRAIN REQUIREMENTS, AND ASSOCIATED UTILITIES, SUCH AS WATER AND SEWER LINE CONNECTIONS AT CEDAR AVE.
 (2) ANY NATURAL VEGETATION THAT HAS BEEN DISTURBED NEAR THE LIMITS OF WHERE THE PAVED DRIVEWAY IS CONSTRUCTED MUST BE RESTORED TO NATURAL CONDITION ONCE THE DRIVEWAY HAS BEEN CONSTRUCTED.
 (3) ADDITIONAL LANDSCAPING SHALL BE PROVIDED WITHIN THE STREAM BUFFER TO HELP SLOW STORMWATER RUNOFF, CONTROL EROSION, AND REDUCE SEDIMENT POLLUTION TO THE STREAM.
 (4) A 35-FOOT ENVIRONMENTAL SETBACK WILL BE REQUIRED FOR THE LOTS OF THIS SUBDIVISION FROM THE EDGE OF THE 75-FOOT STREAM BANK BUFFER.
 (5) INCLUDE THIS ALTERNATIVE COMPLIANCE PETITION DECISION AS A GENERAL NOTE ON THE FINAL PLAN AND SITE DEVELOPMENT PLAN. THIS NOTE SHALL INCLUDE THE ALTERNATIVE COMPLIANCE PETITION FILE NUMBER, THE REGULATORY SECTION, THE DECISION DATE AND THE CONDITIONS OF APPROVAL.

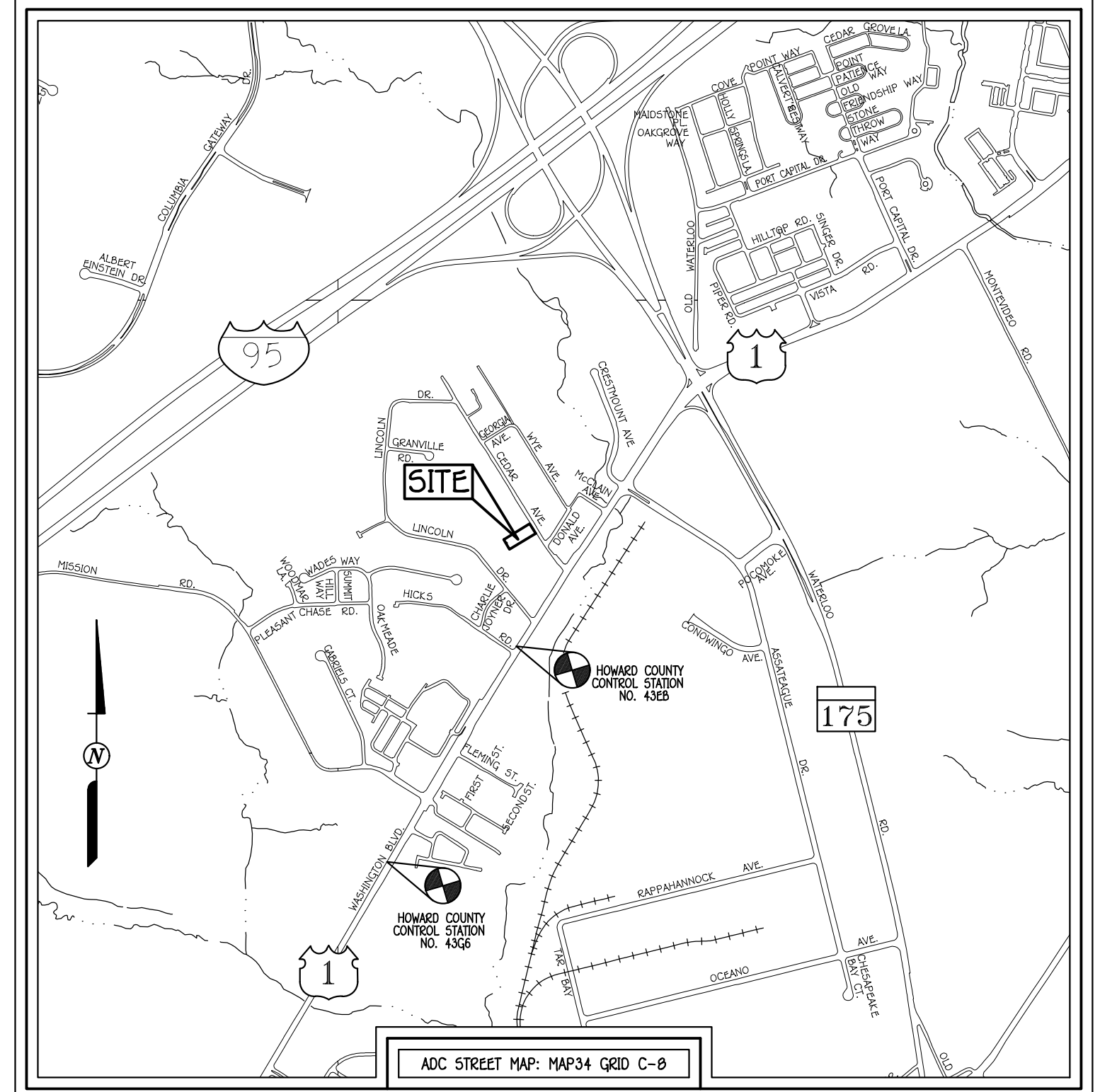
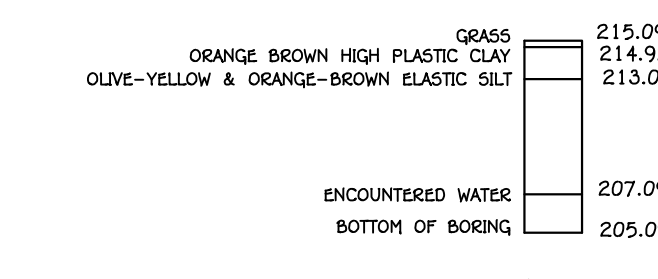
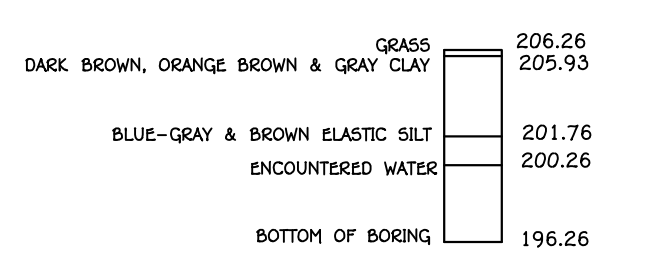
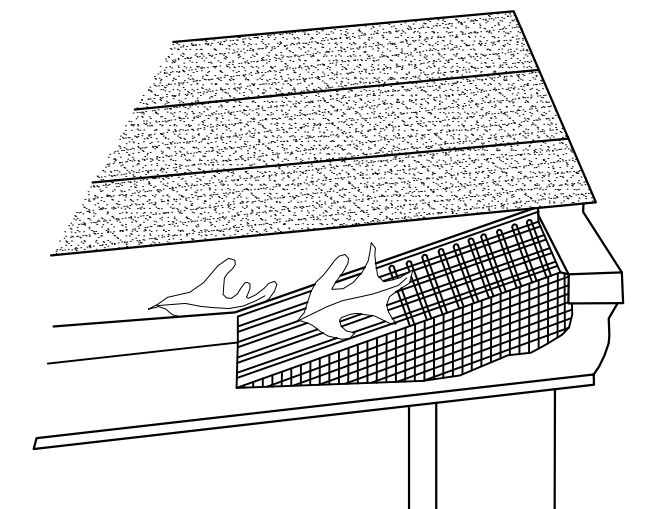
STORMWATER MANAGEMENT SUMMARY

| AREA ID. | E50v REQUIRED CU.FT. | E50v PROVIDED CU.FT. | REMARKS |
|----------|----------------------|----------------------|--|
| SITE | 790 | 984 | MICRO-BIORETENTION (M-6) & RAIN GARDEN (M-7) |
| TOTAL | 790 | 984 | |

STORMWATER MANAGEMENT PRACTICES

| LOT NO. | ADDRESS | MICRO-BIORETENTION (M-6) Y/N, NUMBER | RAIN GARDEN (M-7) Y/N, NUMBER |
|---------|----------------|--------------------------------------|-------------------------------|
| 6 | 7368 CEDAR AVE | YES, ONE (1) | NO |
| 7 | 7370 CEDAR AVE | NO | YES, ONE (1) |

GROSS AREA = 0.618 AC.
 LOD = 0.45 ACRES
 RCN = 77.0
 TARGET Pe = 1.2"
 *NOTE: MICRO-BIORETENTION AND RAIN GARDEN ARE TO BE PRIVATELY OWNED & MAINTAINED.



- ### SITE ANALYSIS DATA CHART
- TOTAL AREA OF THIS SUBMISSION = 0.297 AC.± (Lot 6) & 0.298 AC.± (Lot 7)
 - LIMIT OF DISTURBED AREA = 19,692 SQ.FT. OR 0.45 AC.±
 - PRESENT ZONING DESIGNATION = R-5C (PER 10/06/2013 COMPREHENSIVE ZONING PLAN)
 - PROPOSED USE: RESIDENTIAL
 - PREVIOUS HOWARD COUNTY FILES: ECP-19-011 AND WP-20-071
 - TOTAL AREA OF FLOODPLAIN LOCATED ON-SITE = 0.00 AC.±
 - TOTAL AREA OF STEEP SLOPES:
 MODERATED STEEP SLOPES: 15%-24.9% = 0.00 AC.±
 STEEP SLOPES: 25% OR GREATER = 0.00 AC.±
 - TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0.00 AC.±
 - TOTAL AREA OF STREAM (INCLUDING BUFFER) = 0.143 AC.± (STREAM BUFFER)
 - TOTAL AREA OF EXISTING FOREST = 0.00 AC.±
 - TOTAL AREA OF FOREST TO BE RETAINED = 0.00 AC.±
 - TOTAL AREA OF LOTS / BUILDABLE PARCELS = 0.595 AC.±
 - TOTAL GREEN OPEN AREA = 0.430 AC.±
 - * (LOT AREA - IMPERVIOUS)
 - TOTAL IMPERVIOUS AREA = 0.165 AC.±
 - TOTAL AREA OF ERODIBLE SOILS = 0.000 AC.±
 - N. TOTAL AREA OF ROAD DEDICATION = 0.023 AC.±

GUTTER DRAIN FILTER DETAIL

NOT TO SCALE

STORMWATER MANAGEMENT NOTES

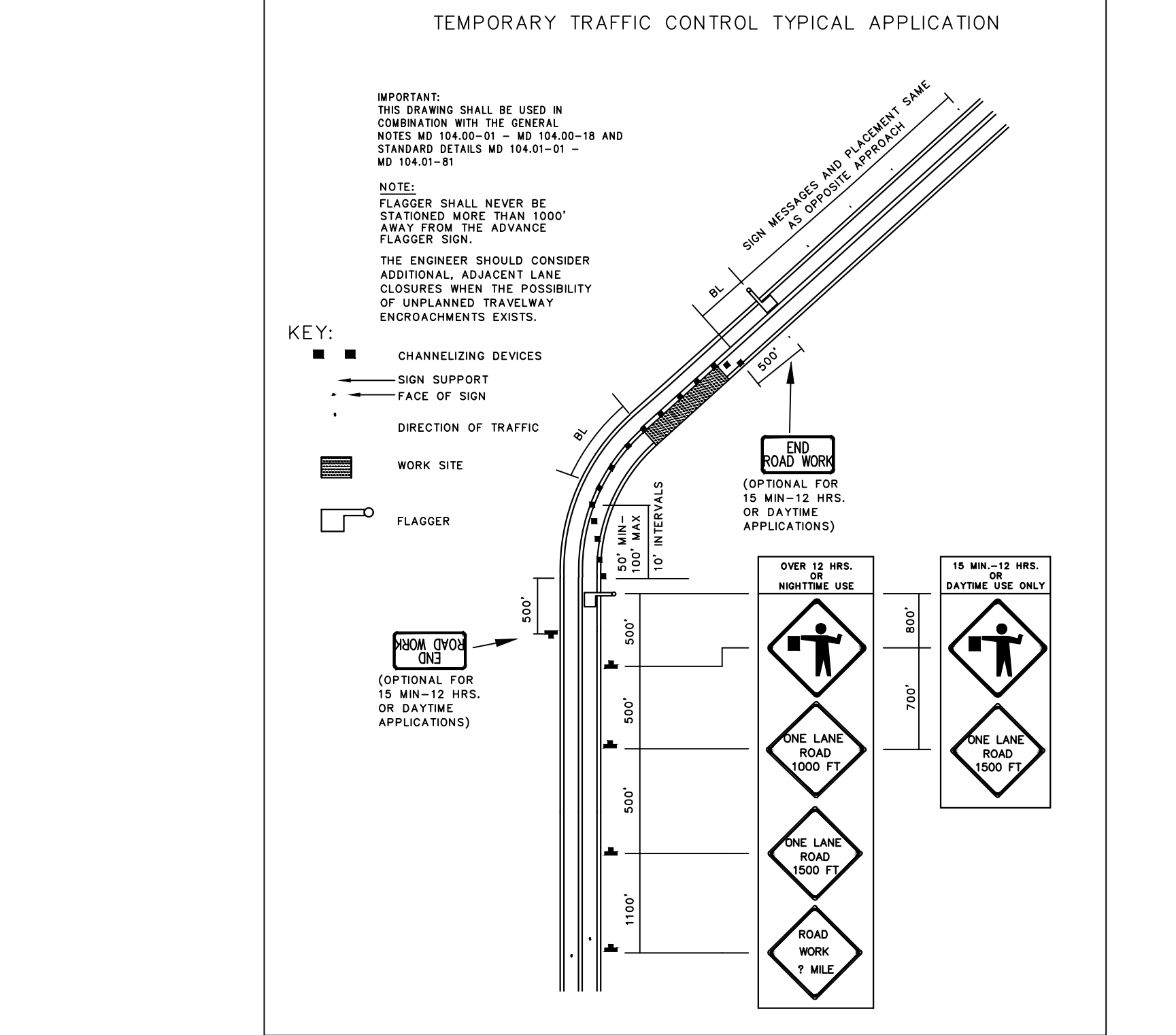
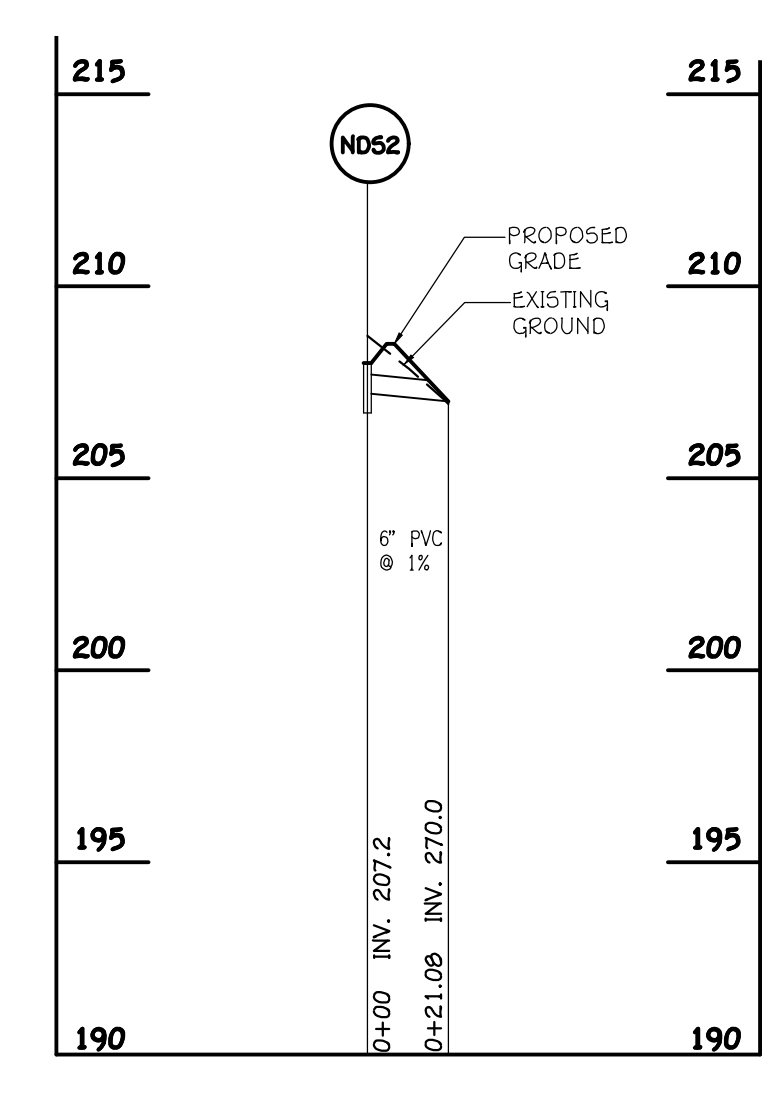
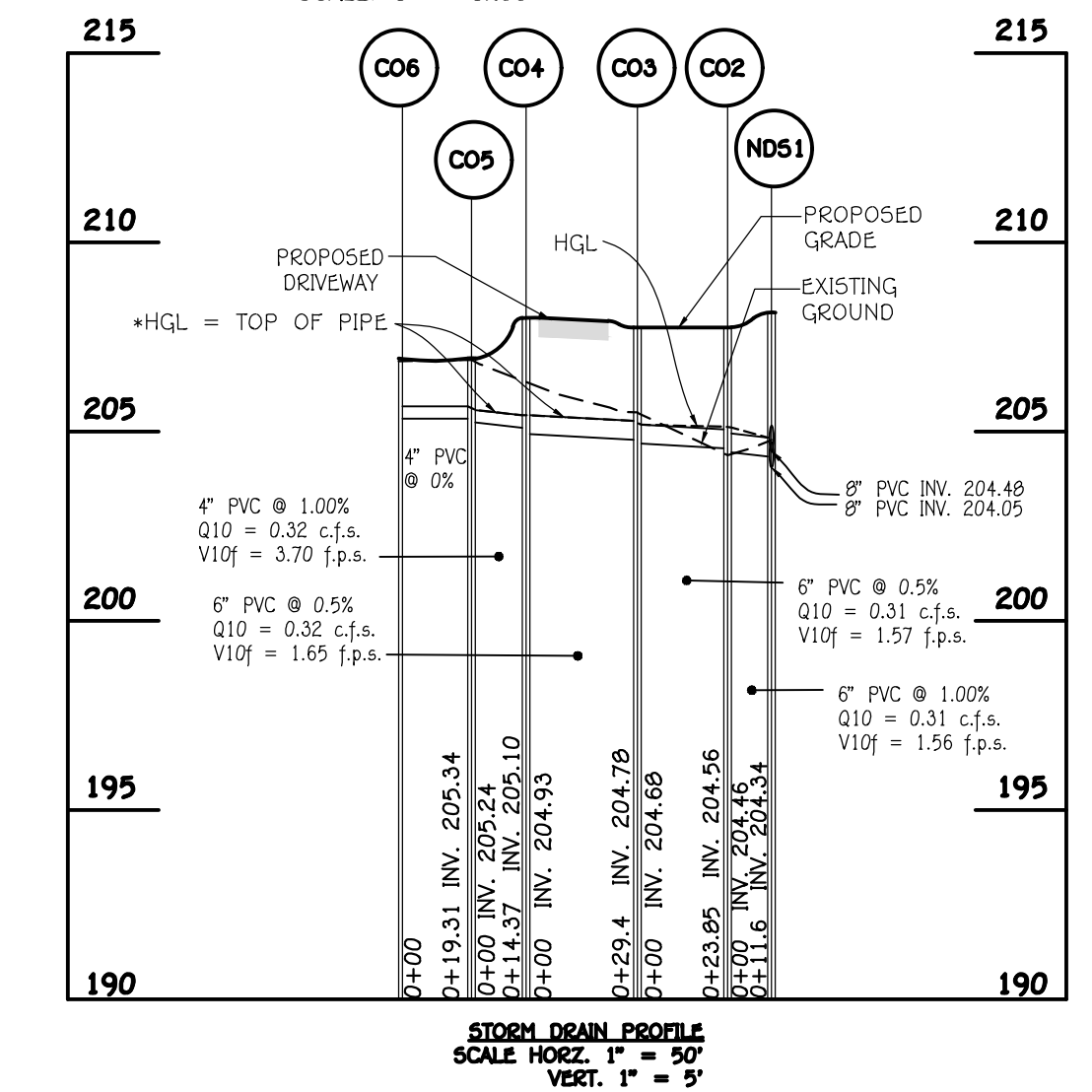
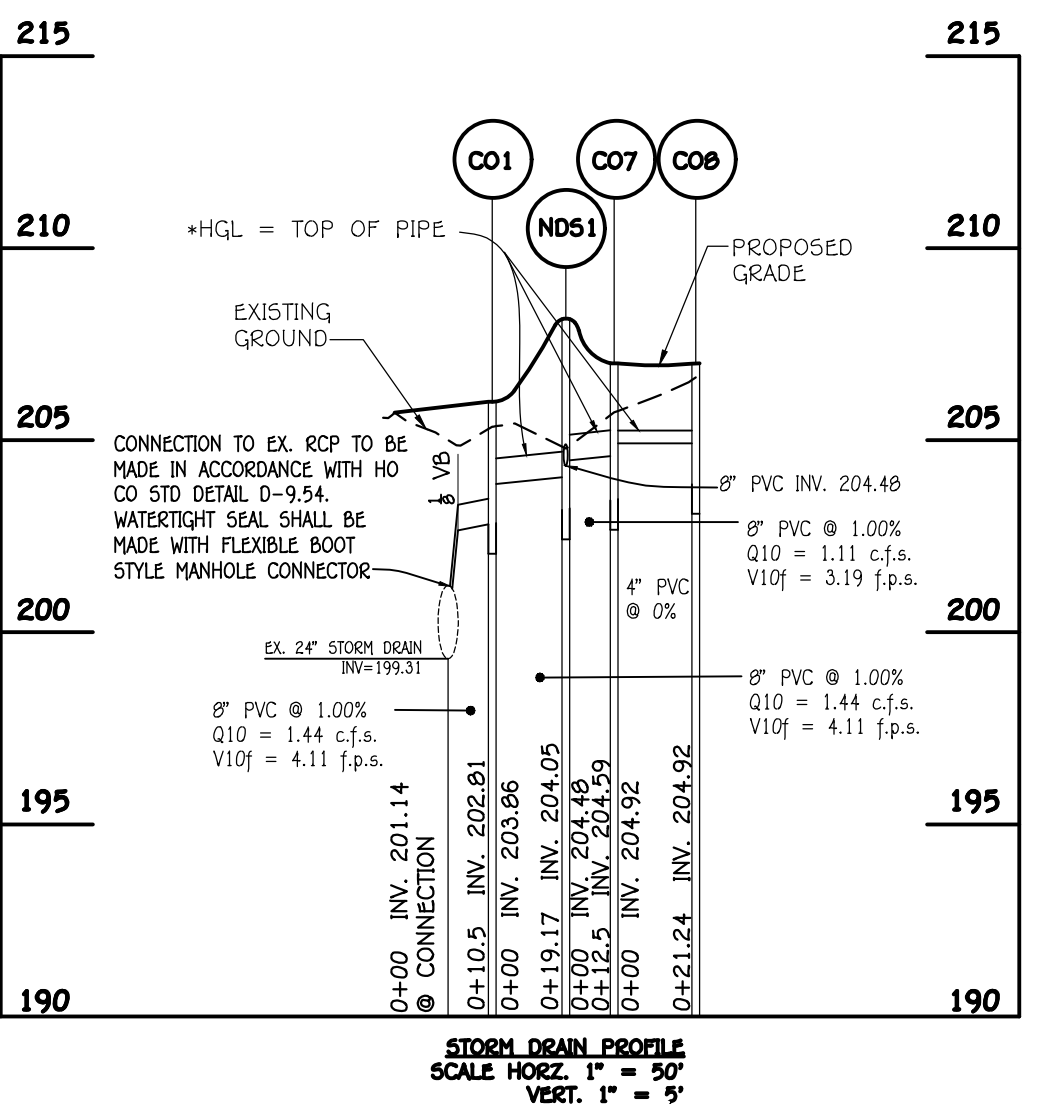
- STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH CHAPTER 5, "ENVIRONMENTAL SITE DESIGN" OF THE 2007 MARYLAND STORMWATER MANAGEMENT DESIGN MANUAL, EFFECTIVE MAY 4, 2010.
- MAXIMUM CONTRIBUTING ROOF TOP AREA TO EACH DOWNSPOUT SHALL BE 1,000 SQ. FT. OR LESS.
- DEWELLS SHALL BE PROVIDED AT LOCATIONS WHERE THE LENGTH OF DISCONNECTION IS LESS THAN 75' AT 5%. THE SIZE AND CONSTRUCTION OF THE DEWELL SHALL BE IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.
- FINAL GRADING WILL BE SHOWN ON FUTURE SITE DEVELOPMENT PLAN.

PAVING SECTION

| SECTION NUMBER | ROAD AND STREET CLASSIFICATION | CALIFORNIA BEARING RATIO (CBR) | 3 TO <5 | | | 5 TO <7 | | | 7 TO <9 | | | |
|----------------|--|---|--|--------------|-----------------------|---------|--------------|-----------------------|---------|--------------|-----------------------|-----|
| | | | MIN | HMA WITH GAB | HMA WITH CONSTANT GAB | MIN | HMA WITH GAB | HMA WITH CONSTANT GAB | MIN | HMA WITH GAB | HMA WITH CONSTANT GAB | |
| P-1 | PARKING BAYS: RESIDENTIAL AND NON-RESIDENTIAL PARKING DRIVE ASBLES: RESIDENTIAL AND NON-RESIDENTIAL WITH NO MORE THAN 2 HEAVY TRUCKS PER DAY. | HMA SUPERPAVE FINAL SURFACE 9.5 MM, PG 64-22, LEVEL 1 (ESAL) | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | |
| | | | HMA SUPERPAVE INTERMEDIATE SURFACE N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | | | HMA SUPERPAVE BASE 19.0 MM PG 64-22, LEVEL 1 (ESAL) | 2.0 | 2.0 | 2.0 | 3.5 | 3.0 | 2.5 | | | |
| | | GRADED AGGREGATE BASE (GAB) | 8.5 | 7.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | |

Table B.4. Materials Specifications for Micro-Bioretenion, Rain Gardens & Landscape Infiltration

| Material | Specification | Size | Notes |
|---|--|---|---|
| Plantings | see Appendix A, Table A.4 loamy sand 60-65% compost 35-40% sandy loam 30% coarse sand 30% compost 40% | n/a | plantings are site-specific USDA soil types loamy sand or sandy loam; clay content <5% |
| Organic Content | Min. 10% by dry weight (ASTM D 2974) | n/a | |
| Mulch | shredded hardwood | | aged 6 months, minimum |
| Pea gravel diaphragm | pea gravel: ASTM-D-448 | No. 8 or No. 9 (1/8" to 3/8") | |
| Curtain drain | ornamental stone: washed cobbles | stone: 2" to 5" | |
| Geotextile | | n/a | PE Type 1 nonwoven |
| Gravel (underdrains and infiltration berms) | AGSHTO M-43 | No. 57 or No. Aggregate (3/8" to 3/4") | |
| Underdrain piping | F 758, Type PS 28 or AGSHTO M-278 | 4" to 6" rigid schedule 40 PVC or SDR35 | slotted or perforated pipe; 3/8" pert. @ 6" on center; 4 holes per row, minimum of 3" of gravel over pipes; not necessary underneath pipes. Perforated pipe shall be wrapped with 1/4 inch galvanized hardware cloth |
| Poured in place concrete (if required) | MSHA Mix No. 3; f = 3500 psi @ 28 days, normal weight, air-entrained, reinforcing to meet ASTM-615-60 | n.a | on-site testing of poured-in-place concrete required: 28 day strength and slump test; all concrete design (cast-in-place or pre-cast) not using precast approved sites or local standards requires design drawings sealed and approved by a professional structural engineer; licensed in the State of Maryland - design to include meeting ACI Code 350R/99; vertical loading (H-10 or H-20); allowable horizontal loading (based on soil pressures); and analysis of potential cracking |
| Sand | ASHTO M-6 or ASTM-C-33 | 0.02" to 0.04" | sand substitutions such as Diabase and Gneiss (AGSHTO) #10 are not acceptable. No calcium carbonate or dolomitic sand substitutions are acceptable. No "rock dust" can be used for sand. |



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENAL SQUARE OFFICE PARK - 10273 BALTIMORE NATIONAL PARK
 ELICOTT CITY, MARYLAND 21042
 (410) 461 - 2895

STATE OF MARYLAND
 PROFESSIONAL LAND SURVEYOR
 No. 21476
 EXPIRES 12/31/2023

PROFESSIONAL CERTIFICATION
 "PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE, 7/14/25.
 Frank Manalusan II 10/30/2023
 NAME DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DocuSigned by:
 1E81747A20268A
 Chief, Division of Land Development Date 11/15/2023

DocuSigned by:
 CHD Edmondson
 Chief, Development Engineering Division Date 11/13/2023

OWNER/DEVELOPER
 GOLDEN GATE LLC
 C/O GOPH MANDELA
 6404 MY LANE
 GREENBELT, MARYLAND 20770
 301-703-2020

SCALE: 1" = 30'

| DEED | BLOCK NO. | ZONE | TAX/ZONE | ELEC. DIST. | CENSUS TR. |
|----------------|-----------|------|----------|-------------|------------|
| L 18252 F. 001 | 08 | R-5C | 43 | 6th | 606901 |

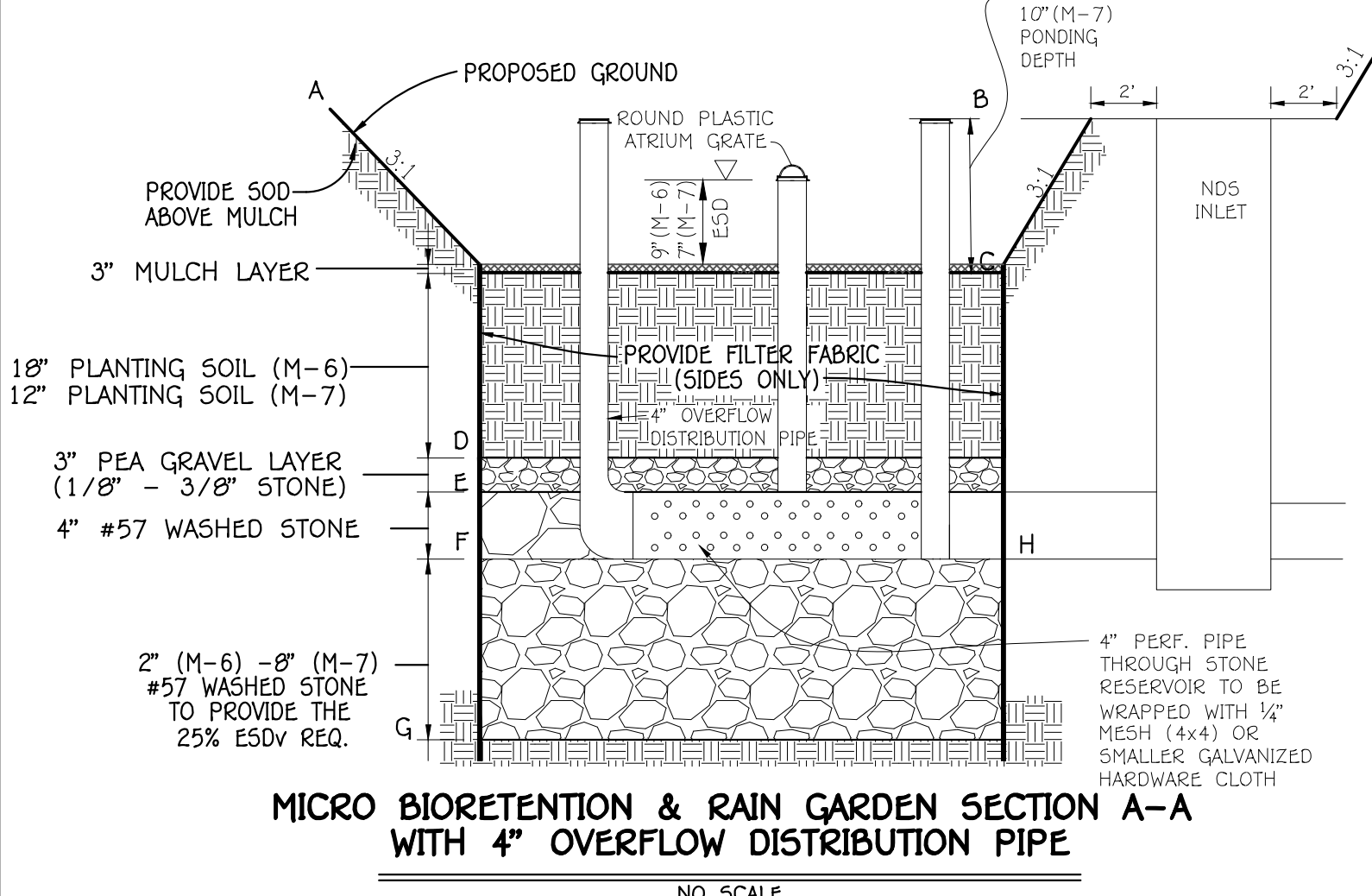
TITLE SHEET

CEDARS EXTENDED
 LOTS 6 AND 7
 7368 CEDAR AVENUE
 ZONED R-5C

TAX MAP No. 43 GRID No. 08 PARCEL No. 257
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: OCTOBER 2023
 SHEET 1 OF 2

F-20-015

| LEGEND | | | |
|--------|--|--------|--|
| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
| | EXISTING 2' CONTOURS | | PROPOSED CONTOUR |
| | EXISTING 10' CONTOURS | | SPOT ELEVATION |
| | SOILS LINES AND TYPE | | LIMITS OF DISTURBANCE |
| | EXISTING TREELINE | | DRAINAGE AREA DIVIDE |
| | PROPOSED TREELINE | | SUPER SILT FENCE |
| | INDIVIDUAL TREES & SHRUBS | | EROSION CONTROL MATTING |
| | EXISTING CHAIN LINK FENCE LINE (CLF) | | STABILIZES CONSTRUCTION ENTRANCE |
| | EXISTING WOOD FENCE LINE | | TREE PROTECTION FENCE |
| | EXISTING PAVING | | PROPOSED 24' USE-IN-COMMON DRIVEWAY EASE |
| | PROPOSED PAVING | | TO BE REMOVED |
| | EXISTING 100 YEAR FLOODPLAIN & DRAINAGE EASEMENT (PLAT #11034) | | EXISTING 100 YEAR FLOODPLAIN |



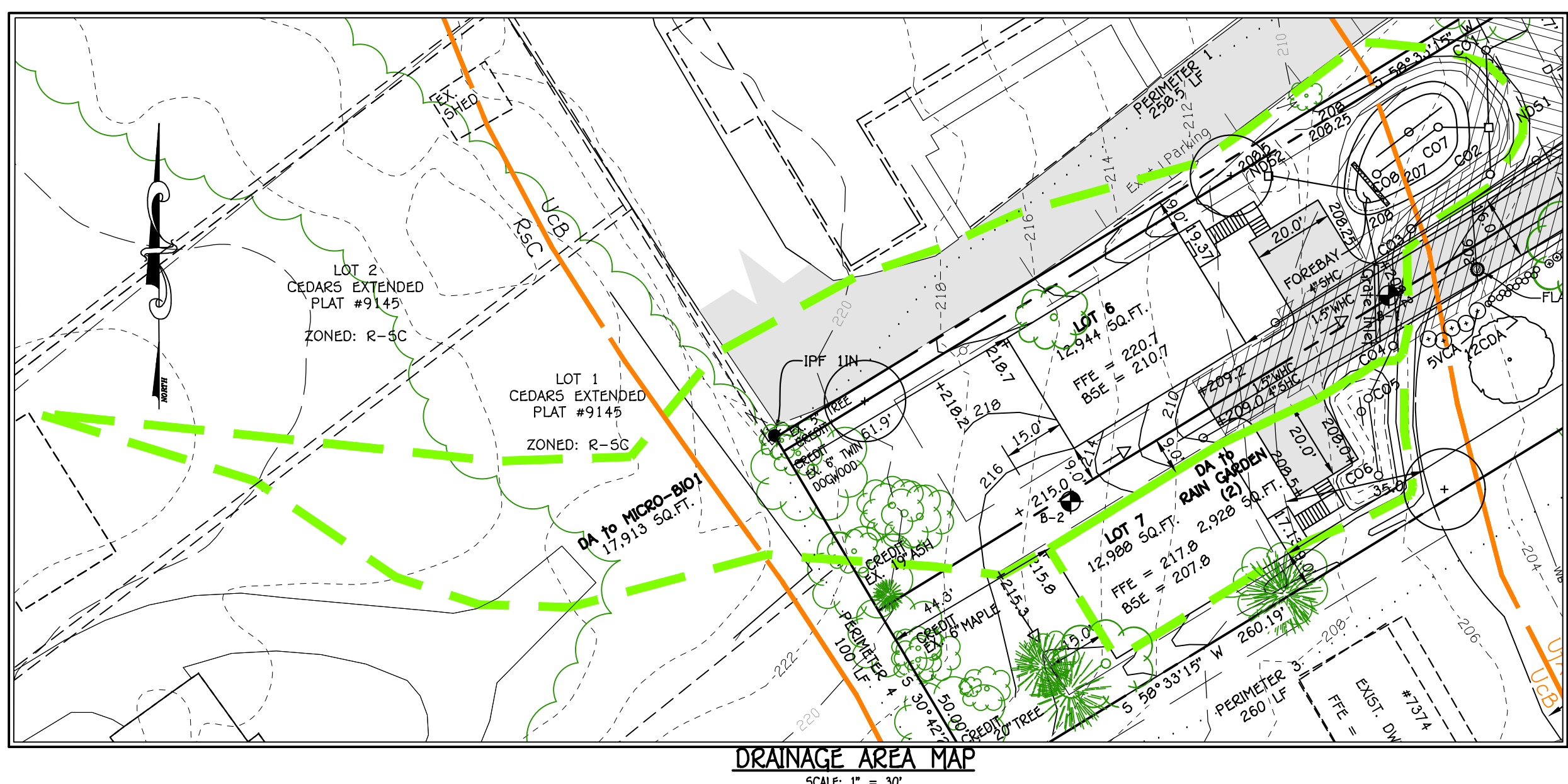
MICRO-BIORETENTION & RAIN GARDEN PLANTING DETAILS
NOT TO SCALE

OPERATION & MAINTENANCE SCHEDULE FOR MICRO-BIORETENTION (M-6)

- THE OWNER SHALL MAINTAIN THE PLANT MATERIAL, MULCH LAYER AND SOIL LAYER ANNUALLY. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING. ACCEPTABLE REPLACEMENT PLANT MATERIAL IS LIMITED TO THE FOLLOWING: 2000 MARYLAND STORMWATER DESIGN MANUAL VOLUME II, TABLE A.4.1 AND 2.
- THE OWNER SHALL PERFORM A PLANT IN THE SPRING AND IN THE FALL OF EACH YEAR. DURING THE INSPECTION, THE OWNER SHALL REMOVE DEAD AND DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, REPLACE DEAD PLANT MATERIAL WITH ACCEPTABLE REPLACEMENT PLANT MATERIAL, TREAT DISEASED TREES AND SHRUBS AND REPLACE ALL DEFICIENT STAKES AND WIRES.
- THE OWNER SHALL INSPECT THE MULCH EACH SPRING. THE MULCH SHALL BE REPLACED EVERY TWO TO THREE YEARS. THE PREVIOUS MULCH LAYER SHALL BE REMOVED BEFORE THE NEW LAYER IS APPLIED.
- THE OWNER SHALL CORRECT SOIL EROSION ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER EACH HEAVY STORM.

| MICRO-BIORETENTION / BIORETENTION | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| BIORETENTION FILTER | A | B | C | D | E | F | G | H | I |
| LOT 6 | 208.0 | 208.0 | 207.0 | 205.5 | 205.25 | 204.92 | 204.67 | 204.92 | - |
| LOT 7 | 207.16 | 207.16 | 206.93 | 205.93 | 205.68 | 205.34 | 204.67 | 205.34 | - |

| MICRO-BIORETENTION PLANT MATERIAL | | | |
|-----------------------------------|-------------|------------------|-----------------------|
| MICRO-BIO1 | MICRO-BIO 2 | NAME | MAXIMUM SPACING (FT.) |
| 50 | 0 | MIXED PERENNIALS | 1.5 TO 3.0 FT. |



DRAINAGE AREA MAP
SCALE: 1" = 30'

Developer's/Builder's Certificate
I/We certify that the landscaping shown on this plan will be done according to Section 16.124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion a letter of notice of landscape installation accompanied by an executed one year guarantee of plant materials will be submitted to the Department of Planning and Zoning.

Gopi Mandela
Developer/Builder
10/30/2023
Date

| SOILS LEGEND | | | |
|--------------|---|-------|----------|
| SOIL | NAME | CLASS | K FACTOR |
| UJA | Urban land-Fallsington, 0 to 2 percent slope | D | 0.28 |
| UcB | Urban land-Chillum-Beltsville complex, 0 to 5 percent slope | D | -- |

Soil Map Number: 25 (SAVAGE, SE)

| LANDSCAPING PLANT LIST | | | |
|------------------------|-----|--|-------------------------------------|
| QTY. | KEY | NAME | SIZE |
| 4 | | ACER RUBRUM 'OCTOBER GLORY' (OCTOBER RED MAPLE) | 2 1/2" - 3" CALIPER FULL CROWN, 848 |
| 3 | | TILIA CORDATA 'GREENSPICE' (GREENSPIRE LITTLELEAF LINDEN) | 2 1/2" - 3" CALIPER FULL CROWN, 848 |
| 15 | CAL | CLETHRA ALNIFOLIA (SUMMERSWEET CLETHRA) | 2 1/2" - 3" HT. CONT. |
| 22 | CDA | COTONASTER DAMMERII 'CORAL BEAUTY' (CORAL BEAUTY COTONCASTLES) | 18"-24" SP. CONT. |
| 10 | VCA | VIBURNUM CARLESII (KOREAN SPICE VIBURNUM) | 2 1/2" - 3" HT. CONT. |

TOTAL: 7 SHADE TREES, 47 SHRUBS

| SCHEDULE A - PERIMETER LANDSCAPE EDGE | | | | | |
|---------------------------------------|--------------------------------------|-------------------------|--------------------------------------|--------------------------------------|-------|
| PERIMETER CATEGORY | P-1 ADJACENT TO PERIMETER PROPERTIES | P-2 ADJACENT TO ROADWAY | P-3 ADJACENT TO PERIMETER PROPERTIES | P-4 ADJACENT TO PERIMETER PROPERTIES | TOTAL |
| LANDSCAPE TYPE | A | N/A | A | A | |
| LINEAR FEET OF PERIMETER | 258.5 L.F. | 100 L.F. | 260 L.F. | 100 L.F. | |
| NUMBER OF PLANTS REQUIRED | (258.5/60' = 4.3 OR 4) | - | (260/60' = 4.3 OR 4) | (100/60' = 1.6 OR 2) | 10 |
| CREDIT FOR EXISTING VEGETATION | | | | | |
| SHADE TREES | 1 | 0 | 2 | 2 | 5 |
| EVERGREEN TREES | 0 | 0 | 0 | 0 | 0 |
| NUMBER OF PLANTS PROVIDED | 3 | 0 | 4 | 0 | 7 |
| EVERGREEN TREES | 0 | 0 | 0 | 0 | 0 |

* 2 ADDITIONAL SHADE TREES PROPOSED AND A TOTAL OF 47 SHRUBS ARE BEING PROVIDED WITHIN THE STREAM BUFFER PER WP-20-071

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10275 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2995

| NO. | REVISION | DATE |
|-----|----------|------|
| | | |
| | | |



PROFESSIONAL CERTIFICATION
"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE, 7/14/25.
Frank Mandalson || 10/30/2023
NAME DATE

OWNER/DEVELOPER
GOLDEN GATE, LLC
C/O GOPI MANDELA
6404 IVY LANE
GREENBELT, MARYLAND 20770
301-703-2020

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DocuSigned by:
Chief, Division of Land Development
Date: 11/15/2023

DocuSigned by:
Chief, Development Engineering Division
Date: 11/13/2023

| PROJECT | SECTION | PARCEL NO. |
|-------------------------------|---------|------------|
| CEDARS EXTENDED, LOTS 6 AND 7 | - | 257 |

| DEED L. | BLOCK NO. | ZONE | TAX/ZONE | ELEC. DIST. | CENSUS TR. |
|----------------|-----------|------|----------|-------------|------------|
| L 18252 F. 001 | 08 | R-5C | 43 | 6th | 606901 |

SUPPLEMENTAL PLAN
CEDARS EXTENDED
LOTS 6 AND 7
7368 CEDAR AVENUE
ZONED R-5C
TAX MAP No. 43 GRID No. 08 PARCEL No. 257
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: OCTOBER 2023
SHEET 2 OF 2