RECORD DRAWING CERTIFICATION

A record set of approved Sediment Control/Stormwater Management plans must be maintained on-site at all times. In addition to stormwater management items, these plans must include the number and location of all trees proposed to be planted to comply with the Tree Canopy Law. Any approved modifications or deletions of stormwater practices or tree canopy plantings or information must be shown on this record set of plans and on the Tree Canopy Requirements table. Upon completion of the project, this record set of plans, including hereon this signed Record Drawing Certification, must be submitted to the MCDPS inspector. In addition to this Record Drawing Certification, a formal Stormwater Management As-Built submission **[X] is required [ ] is not required** for this project.

If this project is subject to a **Stormwater Management Right of Entry and Maintenance Agreement, that document is recorded in Montgomery County Land Records at:**

Liber N/A **Folio** N/A . This Record Drawing will serve as referenced in the recorded document.

"This record drawing accurately and completely represents the stormwater management practices and tree canopy plantings as they were constructed or planted. All stormwater management practices were constructed per the approved Sediment Control / Stormwater Management plans or subsequent approved revisions."

Owner/Developer Signature Date

FIELD CHECK OF RECORD DRAWING BY MCDPS INSPECTOR: INITIALS:_____ DATE:_____

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION

MD 198 (SANDY SPRING ROAD) FROM DINO DRIVE TO MCKNEW ROAD SIDEWALK IMPROVEMENTS

C.I.P. PROJECT NO. 502406
SHA TRACKING NO. T.B.D.

TREE CANOPY REQUIREMENTS TABLE

To be completed by the consultant and placed on the first sheet of the Sediment Control / Stormwater Management plan set for all projects.

Exempt: Yes [ ] No [X] If exempt under Section 55-5 of the Code, please check the applicable exemption category below.

Total Property Area	Total Disturbed Area
ROW square feet	53,191 square feet
Shade Trees Required	**Shade Trees Proposed to be Planted**
20	0
Fee in Lieu (Trees Required – Trees Planted) x $250	$ $5,000

Required Number of Shade Trees

Area (sq. ft.) of the Limits of Disturbance FROM	TO	Number of Shade Trees Required
1	6,000	3
6,001	8,000	6
8,001	12,000	9
12,001	14,000	12
14,001	40,000	15

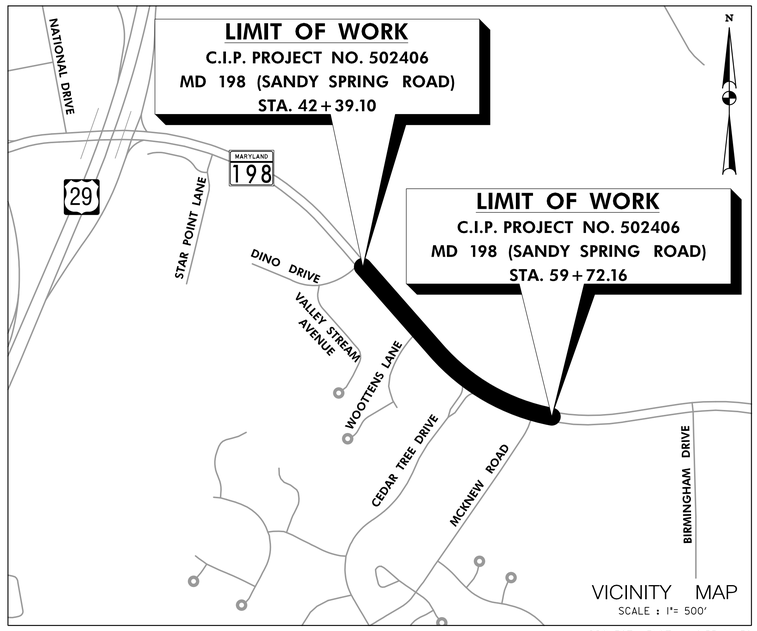
If the square footage of the limits of disturbance is more than 40,000, then the number of shade trees required must be calculated using the following formula:

(Number of Square Feet in Limits of Disturbance ÷ 40,000) × 15

EXEMPTION CATEGORIES:

- [ ] 55-5(a) any activity that is subject to Article II of Chapter 22A;
- [ ] 55-5(b) any commercial logging or timber harvesting operation with an approved exemption from Article II of Chapter 22A;
- [ ] 55-5(f) any activity conducted by the County Parks Department;
- [ ] 55-5(g) routine or emergency maintenance of an existing stormwater management facility, including an existing access road, if the person performing the maintenance has obtained all required permits;
- [ ] 55-5(h) any stream reotoration project if the person performing the work has obtained all necessary permits;
- [ ] 55-5(i) cutting or clearing any tree to comply with applicable provisions of any federal, state, or local law governing safety of dams;
- [ ] OTHER: Specify per Section 55-5 of the Code.

INDEX OF SHEETS



VICINITY MAP
SCALE : 1"= 500'

PROJECT LENGTH = 0.33 MILES

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS OF THE MARYLAND STATE HIGHWAY ADMINISTRATION, MONTGOMERY COUNTY, AND THE WASHINGTON SUBURBAN SANITARY COMMISSION.
2. TYPES OF STORM DRAIN STRUCTURES REFER TO THE "DESIGN STANDARDS" OF MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION, UNLESS OTHERWISE NOTED.
3. ALL STORM DRAIN PIPE SHALL BE INSTALLED WITH CLASS "C" BEDDING UNLESS OTHERWISE SPECIFIED.
4. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO STORM DRAIN STRUCTURES, WHEN NECESSARY, TO MEET EXISTING CONDITIONS, AS APPROVED BY MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION'S PROJECT INSPECTOR.
5. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATIONS AND ELEVATIONS OF THE LINES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS, WELL IN ADVANCE OF TRENCHING. IF CLEARANCES ARE LESS THAN SHOWN OR SIX (6) INCHES, WHICHEVER IS LESS, CONTACT MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION'S PROJECT INSPECTOR AND THE APPROPRIATE UTILITY OWNER BEFORE PROCEEDING WITH CONSTRUCTION.
6. REPAIRS TO UTILITIES OR PROPERTY DAMAGE AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION MUST BE MADE AT THE CONTRACTOR'S EXPENSE BEFORE PROCEEDING WITH CONSTRUCTION.
7. CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDER GROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.
8. CLEARING IS TO BE LIMITED TO THE "LIMIT OF DISTURBANCE" AS SHOWN ON THE PLANS.
9. ALL GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
10. ALL DISTURBED AREAS MUST BE TOPSOILED PER THE MDE "2011 STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", PRIOR TO FINAL VEGETATIVE STABILIZATION
11. ALL DISTURBED AREAS TO BE STABILIZED PER MDE REQUIREMENTS.
12. HORIZONTAL DATUM: MSHA, NAD 83/91 VERTICAL DATUM: NAVD 88

DRAINAGE STATEMENT

I understand that DPS approval of this sediment control/stormwater management plan is for demonstrated compliance with required environmental runoff treatment standards. This DPS sediment control/stormwater management plan approval does not relieve me of professional responsibility. I have analyzed the proposed design for sediment control permit no. _____ and hereby state that, based upon my background, training and experience, I have determined that the proposed improvements shown on this plan meet relevant laws and regulations. I further acknowledge that I have analyzed the post development drainage patterns for this project from the standpoint of my responsibilities under current Maryland Law and have determined that if permission is required from adjacent property owners, it has been obtained and copies of those permissions have been made available to DPS.

Engineer's Signature Date

Printed Name

RELATED REQUIRED PERMITS

To be completed by the consultant and placed on the first sheet of the Sediment Control / Stormwater Management plan set for **all** projects.

IT IS THE RESPONSIBILITY OF PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF THE APPROVED SEDIMENT CONTROL PERMIT

TYPE OF PERMIT	REQD	NOT REQD	PERMIT #	EXPIRATION DATE	WORK RESTRICTION DATES
MCDPS Floodplain District		X			
WATERWAYS/WETLAND(S):		X			
a. Corps of Engineers		X			
b. MDE		X			
c. MDE Water Quality Certification		X			
MDE Dam Safety		X			
DNR Roadside Tree Care Permit	X		T.B.D.	Approval Date T.B.D.	
DPS Roadside Tree Protection Plan	X		T.B.D.	Approval Date T.B.D.	
N.P.D.E.S. NOTICE OF INTENT	X				DATE FILED
OTHERS (Please List):		X			

MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:

STORMWATER MANAGEMENT: BIOSWALE
REVIEWED DATE T.B.D.
APPROVED DATE T.B.D.
SM FILE #

SEDIMENT CONTROL TECHNICAL REQUIREMENTS
REVIEWED DATE
APPROVED DATE

ADMINISTRATIVE REQUIREMENTS
REVIEWED DATE T.B.D.
SEDIMENT CONTROL PERMIT NO.

NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED FOR A MCDPS ACCESS PERMIT

MCDPS APPROVAL OF THIS PLAN WILL EXPIRE TWO YEARS FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED

DPS APPROVAL OF A SEDIMENT CONTROL OR SWM PLAN IS FOR DEMONSTRATED COMPLIANCE WITH MINIMUM ENVIRONMENTAL RUNOFF TREATMENT STANDARDS AND DOES NOT CREATE OR IMPLY ANY RIGHT TO DIVERT OR CONCENTRATE RUNOFF ONTO ANY ADJACENT PROPERTY WITHOUT THAT PROPERTY OWNER'S PERMISSION. IT DOES NOT RELIEVE THE DESIGN ENGINEER OR OTHER RESPONSIBLE PERSON OF PROFESSIONAL LIABILITY OR ETHICAL RESPONSIBILITY FOR THE ADEQUACY OF THE DRAINAGE DESIGN AS IT AFFECTS UPHILL OR DOWNHILL PROPERTIES

stv

"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. 35321

EXPIRATION DATE JANUARY 6, 2026

CONCEPT

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND

Recommended for Approval:
Chief, Transportation Planning and Design Section Date

Approved:
Chief, Division of Transportation Engineering Date

Designed By JG Drawn By JG Checked By MCG

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING

TITLE SHEET

MD 198 (SANDY SPRING ROAD)
FROM DINO DRIVE TO MCKNEW ROAD
SIDEWALK IMPROVEMENTS

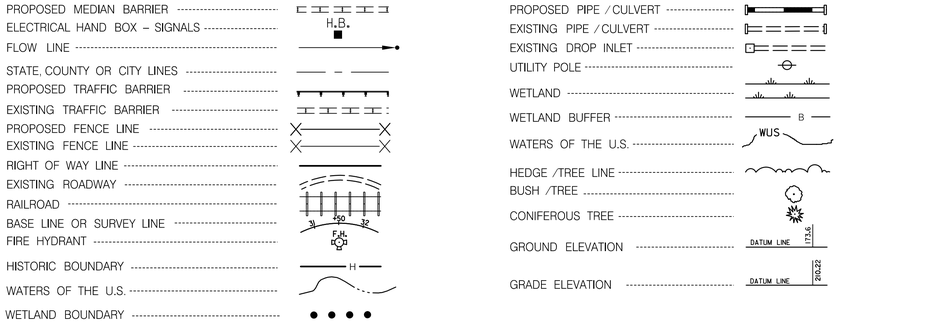
GT-01

PLOTTED: Thursday, January 16, 2025 AT 07:54 PM
FILE: \\stvgroup.stvinc.com\v3\DGPA\Vol3\Projects\4022532\4022532_0001\90_CAD Models and Sheets\04_CT_Transportation\pGN-T001_MD198SidewalkImprovements.dgn
BY: HighCA

ABBREVIATIONS

AASHTO ..... American Association of State Highway Transportation Officials
ADT ..... Average Daily Traffic
AHD ..... Ahead
APPROX. ..... Approximate
℄ or BL ..... Baseline
BK ..... Back /Book
BIT. ..... Bituminous
B.C. ..... Bituminous Concrete
B.M. ..... Bench Mark
BOT. ..... Bottom
C.C. ..... Center of Curve
CAP ..... Corrugated Aluminum Pipe
CAPA ..... Corrugated Aluminum Pipe Arch
CATV ..... Cable Television
C.B.R. ..... California Bearing Ratio
℄ or CL ..... Centerline
CL. ..... Class
CLF ..... Chainlink Fence
CMP ..... Corrugated Metal Pipe
C.O. ..... Cleanout
COMB. ..... Combination
CONC. ..... Concrete
CONSTR. ..... Construction
COR. ..... Corner
CORR. ..... Correction
CPP-S ..... Corrugated Polyethylene Pipe – Type `S`
CSP ..... Corrugated Steel Pipe – Aluminized Type 2
CSPA ..... Corrugated Steel Pipe Arch – Aluminized Type 2
DC ..... Degree of Curve
D.H.V. ..... Design Hourly Volume
D.I. ..... Drop Inlet
DIA. ..... Diameter
D.O. ..... Double Opening
E ..... East
E ..... Electric
E ..... External Distance
EA ..... Each
EB ..... Eastbound
ELEV ..... Elevation
ES ..... End Section
EX or EXIST. ..... Existing
FT ..... Feet
F or FL ..... Flowline
F.B.D. ..... Flat Bottom Ditch
F.H. ..... Fire Hydrant
FWD. ..... Forward
G ..... Gas
G.V. ..... Gas Valve
H.B. ..... Handbox
HDPE ..... High Density Polyetheylene
HDWL. ..... Headwall
HERCP. ..... Horizontal Ellipitical Reinforced Concrete Pipe
HP. ..... High Point
IN ..... Inch
I.S.T. ..... Inlet Sediment Trap
INV. ..... Invert
J.B. ..... Junction Box
K ..... K Inlet
L ..... Length
LF ..... Linear Feet
L.L. ..... Liquid Limit
LP ..... Low Point
L.P. ..... Light Pole
LT. ..... Left
MAC. ..... Macadam
M.C. ..... Moisture Content
MAX. ..... Maximum
M.D.D. ..... Maximum Dry Content
MOD. ..... Modified
MIN. ..... Minimum
N ..... North
NB ..... Northbound
NE ..... Northeast
N.P. ..... Non–Plastic
O.C. ..... On Center
OHE ..... Overhead Electric
O.M. ..... Optimum Moisture
PAV'T. ..... Pavement
PC ..... Point of Curvature
PCC ..... Point of Compound Curvature
P/C ..... Point of Crown
P/GE ..... Profile Grade Elevation
P.G.E. ..... Profile Ground Elevation
P.G.L. ..... Profile Grade Line
P/GL ..... Profile Ground Line
P/R ..... Point of Rotation
P.I. ..... Plasticity Index
PI ..... Point of Intersection
POC ..... Point On Curve
POT ..... Point On Tangent
PPWP ..... Polyvinyl Chloride Profile Wall Pipe
PROP ..... Proposed
PRC ..... Point of Reverse Curve
PT ..... Point
PT ..... Point of Tangency
PVC ..... Point of Vertical Curve
PVC ..... Polyvinyl Chloride
PVI ..... Point of Vertical Intersection
PVRC ..... Point of Vertical Reverse Curve
PVT ..... Point of Vertical Tangency
R ..... Radius
R.F. ..... Rock Fragments
RT ..... Right
RW or R/W ..... Right of Way
RCP ..... Reinforced Concrete Pipe
RCPP ..... Reinforced Concrete Pressure Pipe
R.Q.D. ..... Rock Quality Designation
R.M. ..... Rootmat
S ..... South
SAN. ..... Sanitary Sewer
SB or S/B ..... Southbound
S.D. ..... Storm Drain
S.D.D. ..... Surface Drain Ditch
S/E ..... Super Elevation
SF ..... Silt Fence
SF ..... Square Feet
SHT. ..... Sheet
SPP ..... Structural Steel Plate Pipe
SPPA ..... Structural Steel Plate Pipe Arch
S.P.T. ..... Standard Penetration Testing
SRP ..... Steel Spiral Rib Pipe – Aluminized Type 2
SRPA ..... Steel Spiral Rib Pipe Arch – Aluminized Type 2
SSD ..... Stopping Sight Distance
SSF ..... Super Silt Fence
STD. ..... Standard
STA. ..... Station
SO. ..... Single Opening
SY ..... Square Yards
SWM ..... Stormwater Management
T ..... Tangent
T ..... Telephone
T.C. ..... Top of Cover
T.G. ..... Top of Grate
T or TL ..... Traverse Line
T.M. ..... Top of Manhole
TRAV. ..... Traverse
TS ..... Temporary Swale
T.S. ..... Top of Slab
T.S. ..... Topsoil
TYP. ..... Typical
U.D. ..... Under Drain
U.G. ..... Underground
U.P. ..... Utility Pole
USDA ..... United States Department of Agriculture
VCL ..... Vertical Clearance
V.C.L. ..... Vertical Curve Length
W ..... Water
W ..... West
WB ..... Westbound
WB ..... Wetland Buffer
W.M. ..... Water Meter
W.S. ..... Wrapped Steel
WUS ..... Waters of the United States
W.V. ..... Water Valve

CONVENTIONAL SIGNS
(SAMPLES)



STANDARD SYMBOLS

100-YEAR FLOODPLAIN		MEDIAN INLET PROTECTION	MIP	STONE CHECK DAM	CD
AT-GRADE INLET PROTECTION	AGIP	MEDIAN SUMP INLET PROTECTION	MSIP	STONE/RIPRAP OUTLET SEDIMENT TRAP ST II	ST-II
BAFFLE BOARDS	BB	MOUNTABLE BERM		SUBSURFACE DRAINS	SSD
BENCHING	BENCHING	PERIMETER DIKE/SWALE	PDS-I	SUMP PIT	SP
CATCH BASIN INSERT	CBI	PERMANENT SOIL STABILIZATION MATTING-TYPE B		SUPER SILT FENCE	SSF
CHESAPEAKE BAY CRITICAL AREA	CBCA	PERMANENT SOIL STABILIZATION MATTING-TYPE C		TEMPORARY ACCESS BRIDGE	TB
CLEAR WATER DIVERSION PIPE (NOTE: DESIGNATION CWD-12 REFERS TO CLEAR WATER DIVERSION WITH 12 INCH PIPE.)	CWD - 12	PIPE OUTLET SEDIMENT TRAP ST I	ST-I	TEMPORARY ACCESS CULVERT	
CLEAR WATER PIPE	CWP	PIPE SLOPE DRAIN (NOTE: DESIGNATION PSD-12 REFERS TO PIPE SLOPE DRAIN WITH 12 IN PIPE)	PSD - 12	TEMPORARY ASPHALT BERM	TAB
COMBINATION INLET PROTECTION	COIP	PLUNGE POOL	PP	TEMPORARY BARRIER DIVERSION	TBD
CONCRETE WASHOUT STRUCTURE	CWS	PORTABLE SEDIMENT TANK	PST	TEMPORARY GABION OUTLET STRUCTURE	TGOS
CURB INLET PROTECTION	CIP	PROPOSED CONTOURS	100	TREE PRESERVATION AREA FENCE (TPAF)	TPF
DIVERSION FENCE	DF	REMOVABLE PUMPING STATION	RPS	TEMPORARY SOIL STABILIZATION MATTING-TYPE A	
DRAINAGE BOUNDARY	DA	RIPRAP INFLOW PROTECTION	RRP	TEMPORARY SOIL STABILIZATION MATTING-TYPE E	
EARTH DIKE (NOTE: PLACE DESIGNATION (A-1, B-2, ETC.) ON FLOW CHANNEL SIDE OF DIKE.)	A-I	RIPRAP OUTLET SEDIMENT TRAP ST III	ST-III	TEMPORARY SOIL STABILIZATION MATTING-TYPE D	
EMERGENCY SPILLWAY	ES	ROCK OUTLET PROTECTION I	ROPI	TEMPORARY STONE OUTLET STRUCTURE	TSOS
EXISTING CONTOURS	100	ROCK OUTLET PROTECTION II	ROPII	TEMPORARY SWALE (NOTE: PLACE DESIGNATION (A-1, B-2, ETC.) ON FLOW CHANNEL SIDE OF SWALE.)	A-I
FILTER BAG	FB	ROCK OUTLET PROTECTION III	ROPIII	VERTICAL DRAW-DOWN DEVICE	VDDD
FILTER BERM	FB-A / FB-B	SILT FENCE	SF	WASH RACK OPTION	WR
FILTER LOG (NOTE: DESIGNATION FL-18 REFERS TO FILTER LOG WITH 18 INCH DIAMETER.)	FL-18	SILT FENCE ON PAVEMENT	SFOP	WETLAND	
GABION INFLOW PROTECTION	GP	SOD		WETLAND BUFFER	B
GABION INLET PROTECTION	GIP	STABILIZED CONSTRUCTION ENTRANCE (SCE)	SCE		
HORIZONTAL DRAW-DOWN DEVICE	HDDD	STANDARD INLET PROTECTION	SIP		
LIMIT OF DISTURBANCE	LOD	STOCKPILE AREA			

GN-01

CONCEPT

NO.	REVISION	BY	DATE

Designed By JNS Drawn By CAH Checked By JNS

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING

ABBREVIATIONS, CONVENTIONAL SIGNS, & STANDARD SYMBOLS

MD 198 (SANDY SPRING ROAD)
FROM DINO DRIVE TO MCKNEW ROAD
SIDEWALK IMPROVEMENTS

SCALE: AS SHOWN

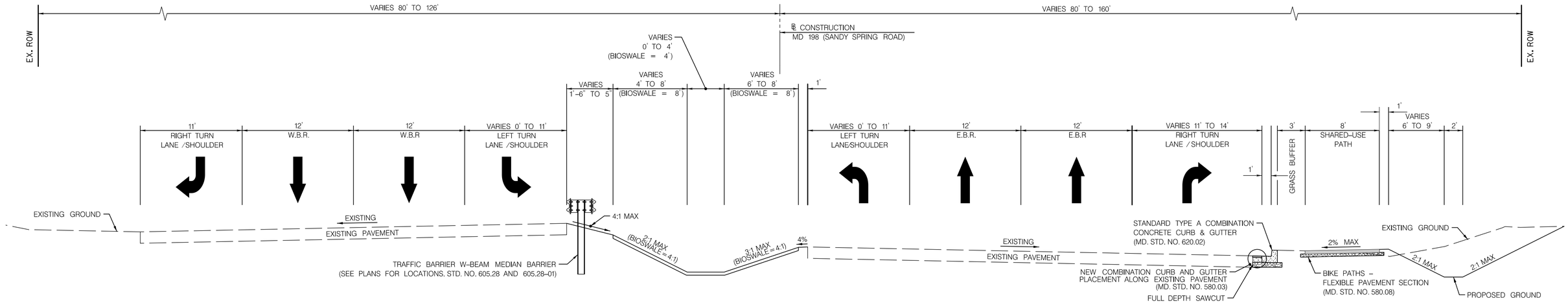
"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."

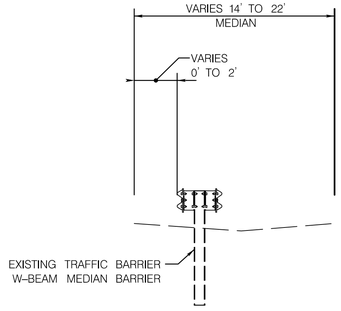
LICENSE NO. 33962

EXPIRATION DATE JANUARY 14, 2027

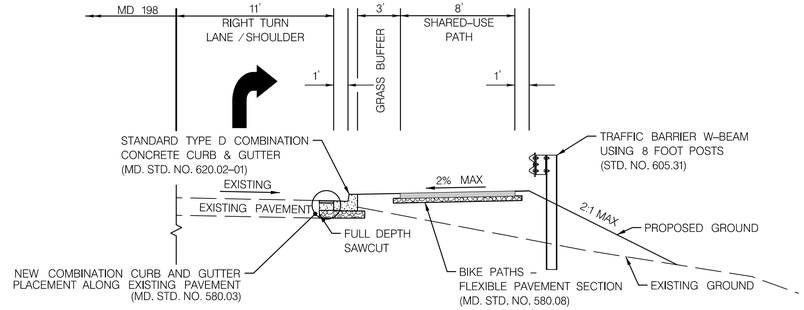
BY: HighCA –

PLOTTED: Thursday, January 16, 2025 AT 07:55 PM
FILE: \\stvgroup.stvinc.com\v3\DDPA\Vol3\Projects\4022532\4022532_0001\90_CAD Models and Sheets\04_CT_Transportation\pGN-I001_MD198SidewalkImprovements.dgn

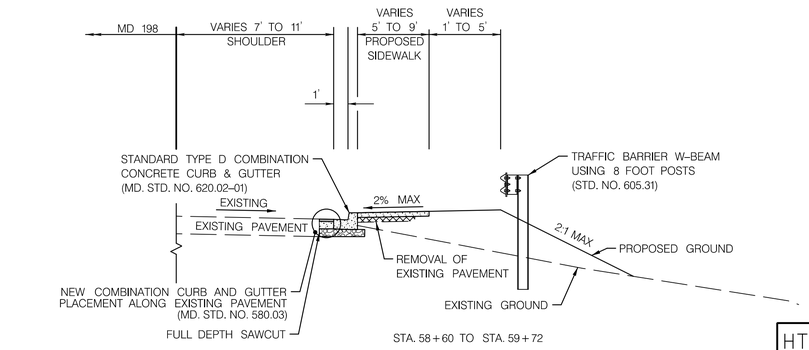




STA. 42+46 TO STA. 46+53
STA. 52+62 TO STA. 57+62



STA. 55+73 TO STA. 58+21



STA. 58+60 TO STA. 59+72

TYPICAL SECTION - MD 198 (SANDY SPRING ROAD)

N.T.S.
STA. 42+46 TO STA. 59+72

NOTE: PERMANENTLY STABILIZE ALL DISTURBED PERVIOUS AREAS WITH 4 INCH TOPSOIL AND TURFGRASS ESTABLISHMENT, UNLESS NOTED OTHERWISE.

HT-01

NO.	REVISION	BY	DATE

Designed By JNS Drawn By CAH Checked By JNS

CONCEPT

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING

TYPICAL SECTIONS

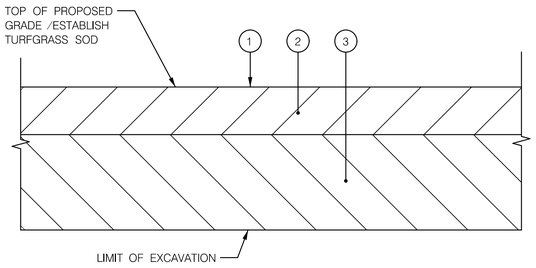
MD 198 (SANDY SPRING ROAD)
FROM DINO DRIVE TO MCKNEW ROAD
SIDEWALK IMPROVEMENTS

SCALE: N.T.S.

"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. 33962
EXPIRATION DATE JANUARY 14, 2027

BY: HighCA -

PLOTTED: Thursday, January 16, 2025 AT 07:55 PM
FILE: \\stvgroup.stvinc.com\v3\DGPA\Vol3\Projects\4022532\4022532_0001\90_CAD Models and Sheets\04_CT_Transportation\pHT-X001_MD198Sidewalkimprovements.dgn



PAVEMENT DETAIL 'A'
EXISTING SIDEWALK/PAVEMENT REMOVAL
N.T.S

PAVEMENT LEGEND

① TURFGRASS SOD

② 4 INCH FURNISHED TOPSOIL

③ VARIABLE DEPTH COMMON BORROW

"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. 33962

EXPIRATION DATE JANUARY 14, 2027

CONCEPT

DE-01

NO.	REVISION	BY	DATE

Designed By JNS Drawn By CAH Checked By JNS

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING

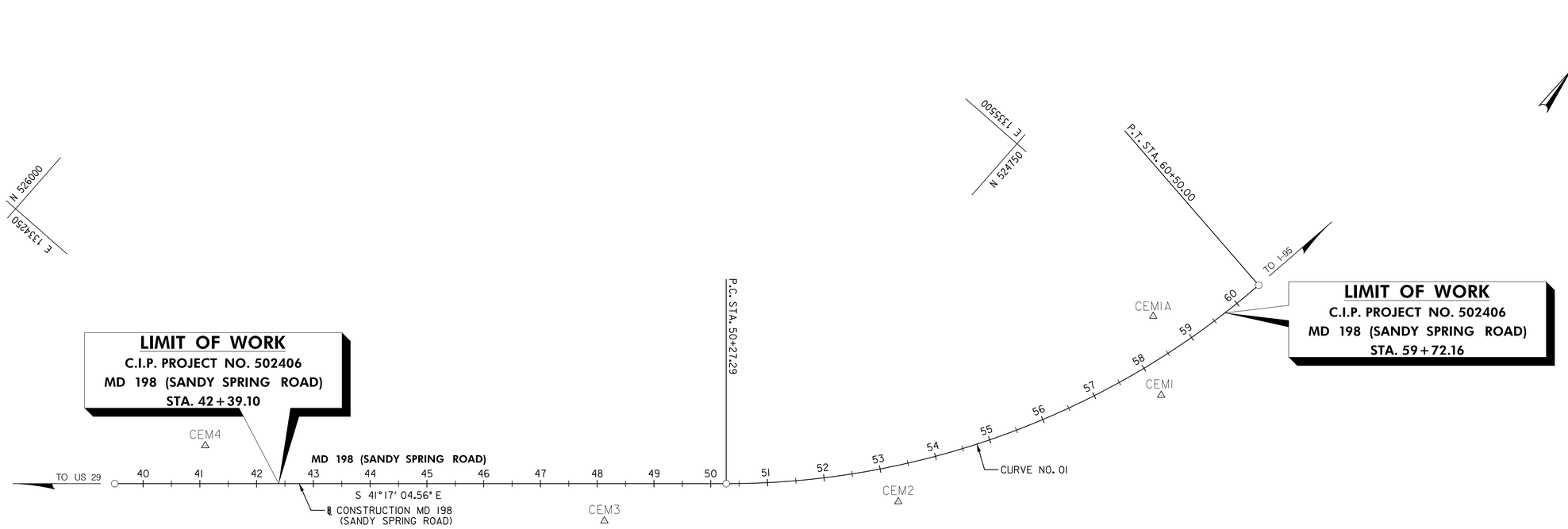
MISCELLANEOUS DETAILS

MD 198 (SANDY SPRING ROAD)
FROM DINO DRIVE TO MCKNEW ROAD
SIDEWALK IMPROVEMENTS

SCALE: AS SHOWN

BY: HighCA –

PLOTTED: Thursday, January 16, 2025 AT 07:55 PM
FILE: \\stvgroup.stvinc.com\v3\DGPA\Vol3\Projects\4022532\4022532_0001\90_CAD Models and Sheets\04_CT_Transportation\pHD-D001_MD198Sidewalkimprovements.dgn



TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
1	524,266.56	1,335,334.54	447.29′
1A	524,369.00	1,335,430.01	442.97′
2	524,490.70	1,334,887.93	453.65′
3	524,857.62	1,334,521.00	462.23′
4	525,473.41	1,334,156.62	463.37′

BASELINE COORDINATES		
STATION	NORTH	EAST
℄ MD 198		
39+50.00 (P.O.B)	525,549.03	1,334,000.99
50+27.29 (P.C.)	524,739.51	1,334,711.78
60+50.00 (P.T.)	524,265.48	1,335,593.57

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
01	40°54′ 30.24"	4°00′ 0.00"	1,432.395′	1,077.29′	1,022.71′	96.39′

GS-01

NO.	REVISION	BY	DATE

Designed By JNS Drawn By CAH Checked By JNS

CONCEPT

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING

GEOMETRIC LAYOUT

MD 198 (SANDY SPRING ROAD)
FROM DINO DRIVE TO MCKNEW ROAD
SIDEWALK IMPROVEMENTS

SCALE: 1"= 100′

stv

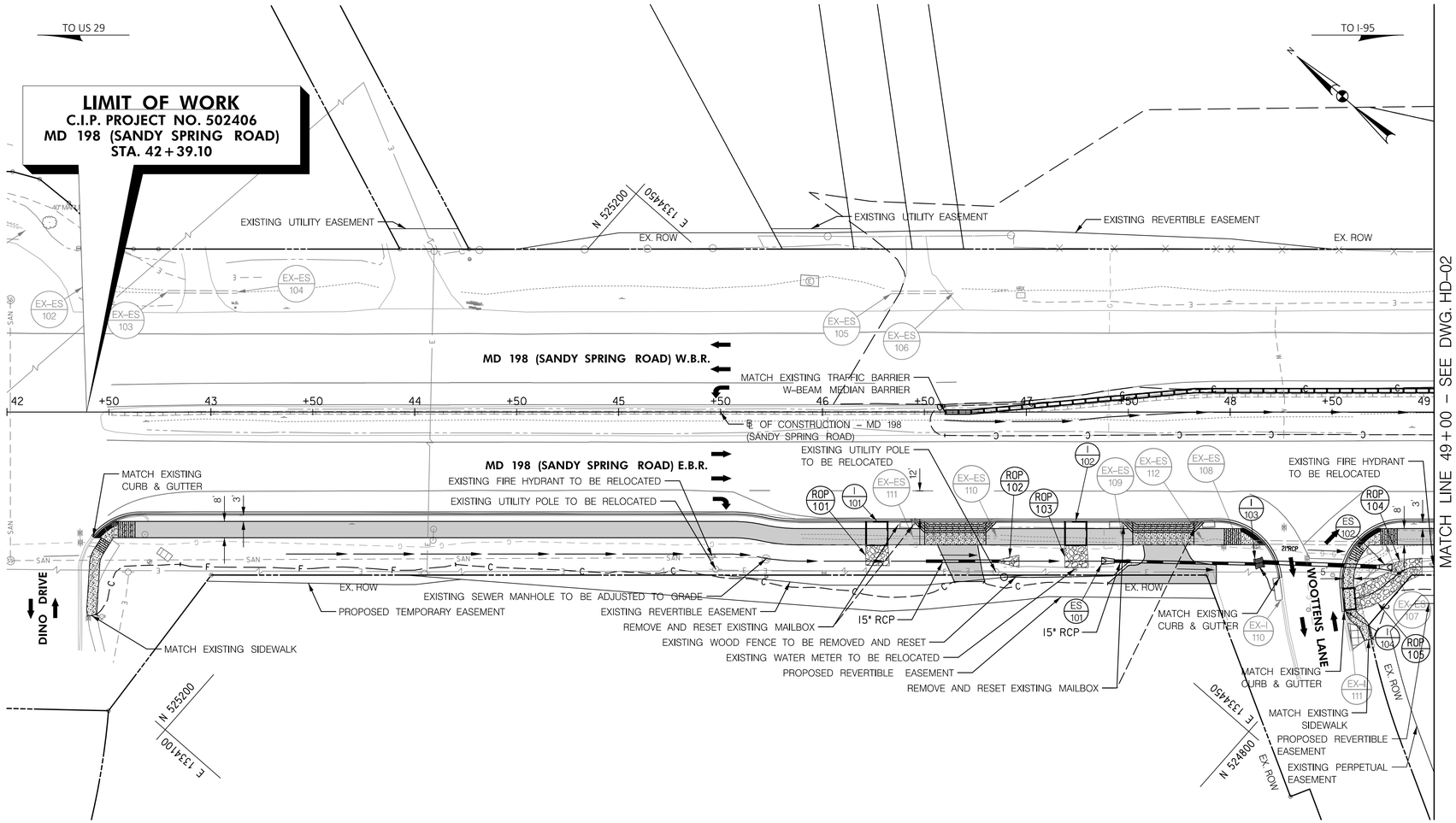
"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."

LICENSE NO. 33962

EXPIRATION DATE JANUARY 14, 2027

PLOTTED: Thursday, January 16, 2025 AT 07:55 PM
FILE: \\stvgroup.stvinc.com\v3\DGPA\Vol3\Projects\4022532\4022532_0001\90_CAD Models and Sheets\04_CT_Transportation\pGS-P001_MD198SidewalkImprovements.dgn

BY: HighCA –



HD-01

LEGEND

- PROPOSED SIDEWALK
- CONCRETE DRIVEWAY ENTRANCE
- REMOVAL OF EXISTING SIDEWALK / PAVEMENT
- FULL DEPTH ASPHALT
- DETECTABLE WARNING SURFACE

CONCEPT

NO.	REVISION	BY	DATE

Designed By JNS Drawn By CAH Checked By JNS

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING

ROADWAY PLAN

MD 198 (SANDY SPRING ROAD)
FROM DINO DRIVE TO MCKNEW ROAD
SIDEWALK IMPROVEMENTS

SCALE: 1"= 30'

stv

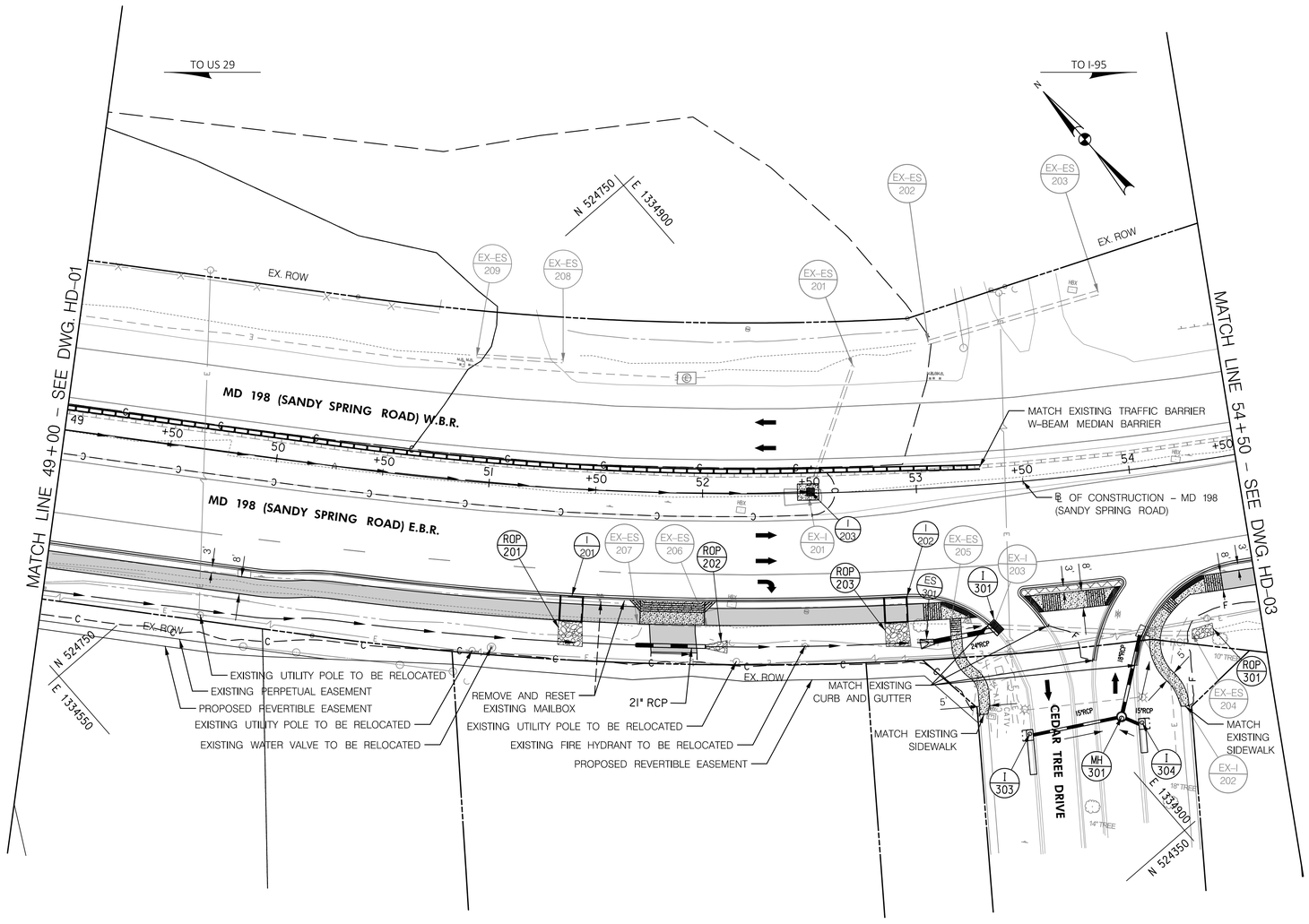
"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."

LICENSE NO. 33962

EXPIRATION DATE JANUARY 14, 2027

BY:. HighCA –

PLOTTED: Wednesday, January 22, 2025 AT 10:49 AM
FILE: \\stvgroup.stvinc.com\v3\DGPA\Vol3\Projects\4022532\4022532_0001\90_CAD Models and Sheets\04_CT_Transportation\pHD-P001_MD198Sidewalkimprovements.dgn



30' 0 30' 60'
SCALE: 1" = 30'

HD-02

LEGEND

- PROPOSED SIDEWALK
- CONCRETE DRIVEWAY ENTRANCE
- REMOVAL OF EXISTING SIDEWALK / PAVEMENT
- FULL DEPTH ASPHALT
- DETECTABLE WARNING SURFACE

CONCEPT

NO.	REVISION	BY	DATE

Designed By JNS Drawn By CAH Checked By JNS

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING

ROADWAY PLAN

MD 198 (SANDY SPRING ROAD)
FROM DINO DRIVE TO MCKNEW ROAD
SIDEWALK IMPROVEMENTS

SCALE: 1"= 30'

stv

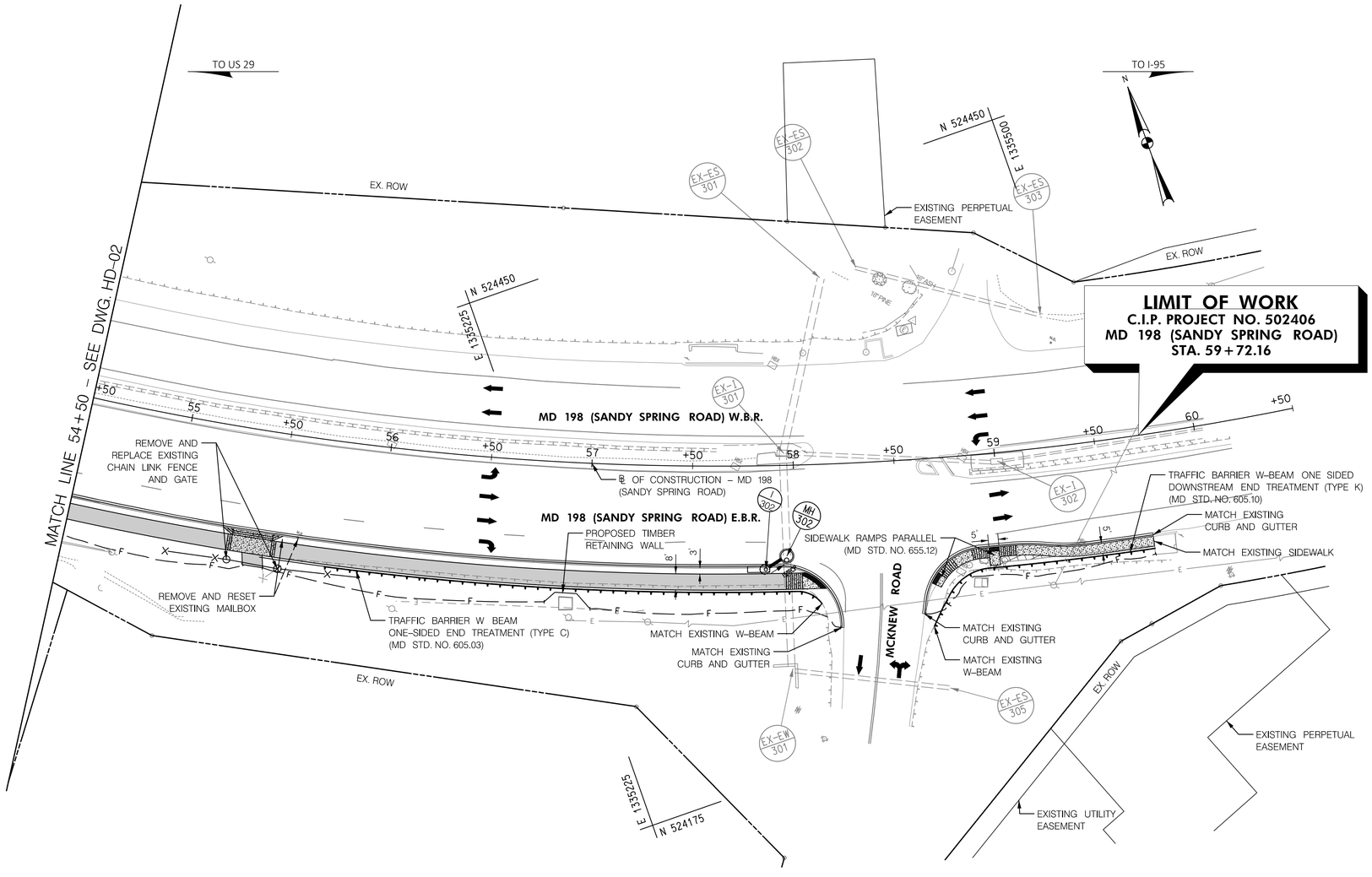
"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."

LICENSE NO. 33962

EXPIRATION DATE JANUARY 14, 2027

BY: HighCA –

PLOTTED: Wednesday, January 22, 2025 AT 10:49 AM
FILE: \\stvgroup.stvinc.com\v3\DGPA\Vol3\Projects\4022532\4022532_0001\90_CAD Models and Sheets\04_CT_Transportation\pHD-P002_MD198Sidewalkimprovements.dgn



30' 0 30' 60'
SCALE: 1" = 30'

HD-03

LEGEND

- PROPOSED SIDEWALK
- CONCRETE DRIVEWAY ENTRANCE
- REMOVAL OF EXISTING SIDEWALK / PAVEMENT
- FULL DEPTH ASPHALT
- DETECTABLE WARNING SURFACE

CONCEPT

NO.	REVISION	BY	DATE

Designed By JNS Drawn By CAH Checked By JNS

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING

ROADWAY PLAN

MD 198 (SANDY SPRING ROAD)
FROM DINO DRIVE TO MCKNEW ROAD
SIDEWALK IMPROVEMENTS

SCALE: 1"= 30'

stv

"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."

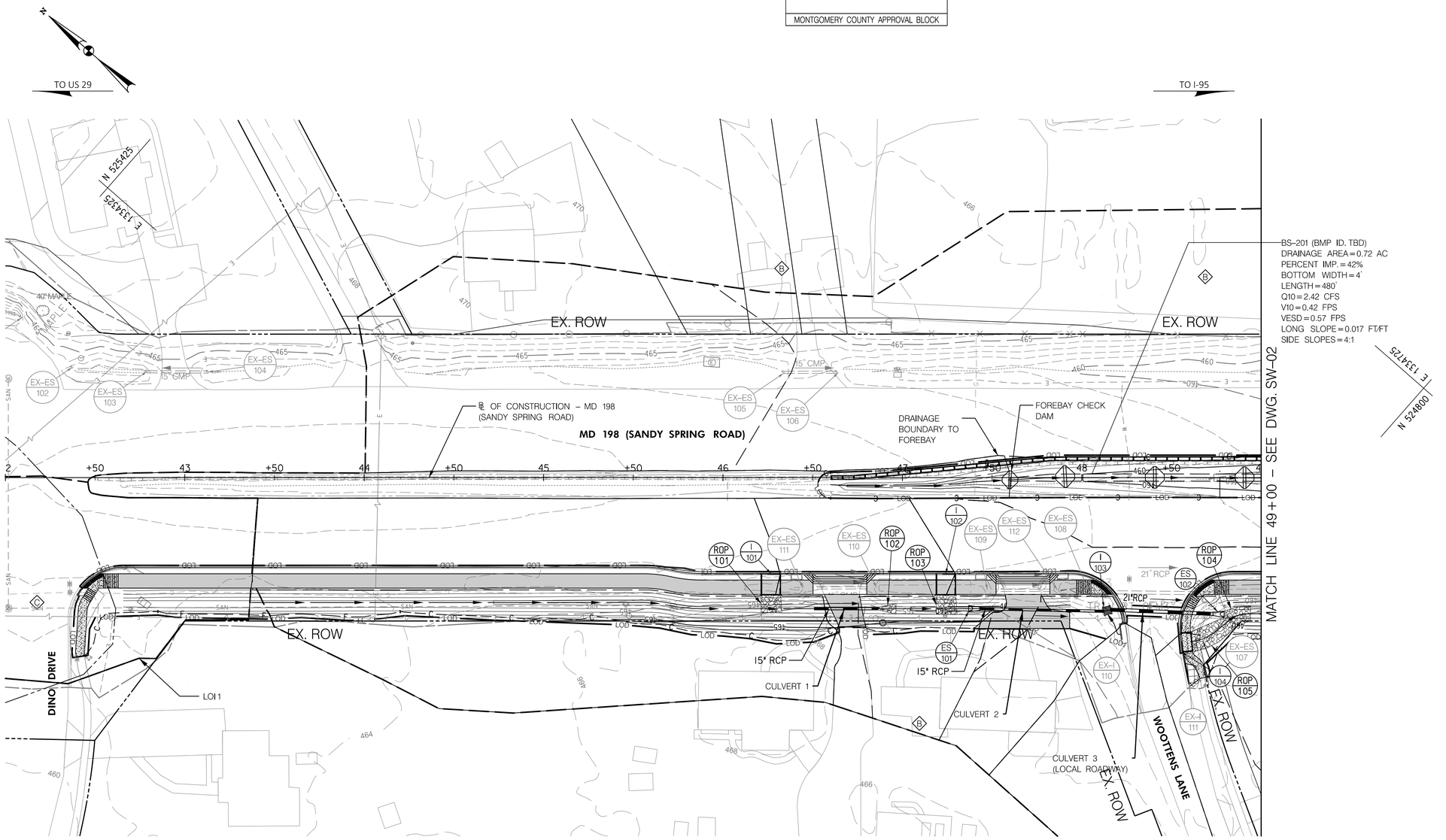
LICENSE NO. 33962

EXPIRATION DATE JANUARY 14, 2027

BY: HighCA –

PLOTTED: Wednesday, January 22, 2025 AT 10:49 AM
FILE: \\stvgroup.stvinc.com\v3\DGPA\Vol3\Projects\4022532\4022532_0001\90_CAD Models and Sheets\04_CT_Transportation\pHD-P003_MD198Sidewalkimprovements.dgn

MONTGOMERY COUNTY APPROVAL BLOCK



*DRAINAGE BOUNDARIES MAY APPEAR AS A SOLID LINE IN SOME LOCATIONS DUE TO OVERLAPS

LEGEND

- HSG RATING
- HSG BOUNDARY
- BMP FOOTPRINT
- PROPOSED SIDEWALK
- CONCRETE DRIVEWAY ENTRANCE
- REMOVAL OF EXISTING SIDEWALK
- FULL DEPTH ASPHALT
- DRAINAGE BOUNDARY TO SWM FACILITY OR DRAINAGE STRUCTURE*
- DRAINAGE BOUNDARY TO POI*
- PROPOSED STORM DRAIN
- EXISTING STORM DRAIN
- CUT LINE
- DETECTABLE WARNING SURFACE
- LIMIT OF DISTURBANCE (LOD)
- 2' GIS CONTOURS
- 1' CONTOURS
- LINE OF INVESTIGATION (LOI)
- TOP SOIL CHECK DAMS
- FILL LINE
- DITCH FLOW ARROW

"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. 33330

EXPIRATION DATE JUNE 29, 2026

NO.	REVISION	BY	DATE

Designed By MSK Drawn By MSK Checked By BLS

SCALE: 1"= 30'

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING

STORMWATER MANAGEMENT PLAN

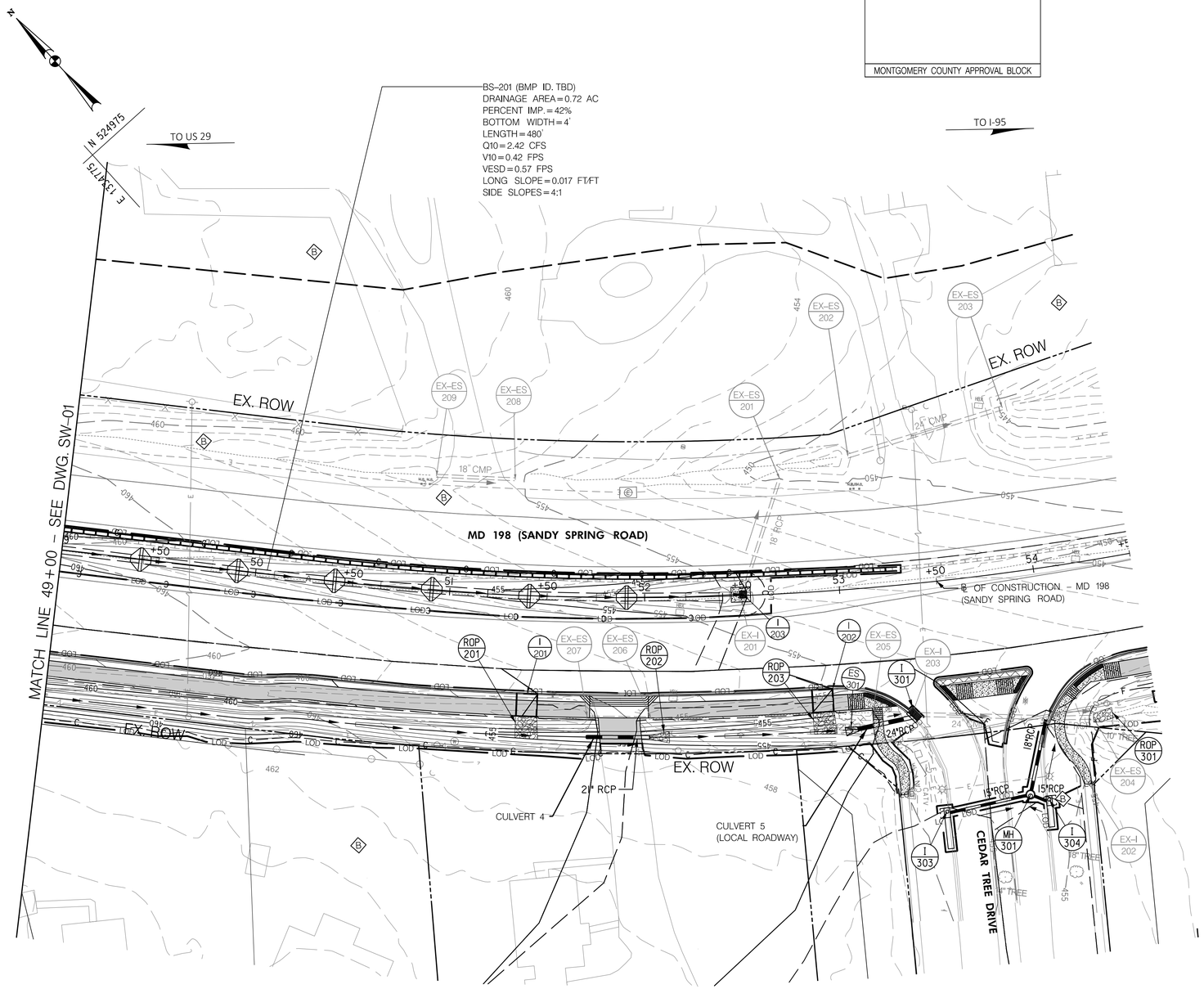
MD 198 (SANDY SPRING ROAD)
FROM DINO DRIVE TO MCKNEW ROAD
SIDEWALK IMPROVEMENTS

SW-01

BY: guiliamc –

PLOTTED: Friday, January 24, 2025 AT 02:30 PM
FILE: \\stvgroup.stvinc.com\v3\DGPA\Vol3\Projects\4022532\4022532_0001\90_CAD Models and Sheets\04_CT_Transportation\pSW-0001_MD198SidewalkImprovements.dgn

MONTGOMERY COUNTY APPROVAL BLOCK



*DRAINAGE BOUNDARIES MAY APPEAR AS A SOLID LINE IN SOME LOCATIONS DUE TO OVERLAPS

LEGEND

- HSG RATING
- HSG BOUNDARY
- BMP FOOTPRINT
- PROPOSED SIDEWALK
- CONCRETE DRIVEWAY ENTRANCE
- REMOVAL OF EXISTING SIDEWALK
- FULL DEPTH ASPHALT
- DRAINAGE BOUNDARY TO SWM FACILITY OR DRAINAGE STRUCTURE*
- DRAINAGE BOUNDARY TO POI*
- PROPOSED STORM DRAIN
- EXISTING STORM DRAIN
- CUT LINE
- DETECTABLE WARNING SURFACE
- LOD LIMIT OF DISTURBANCE (LOD)
- 2' GIS CONTOURS
- 1' CONTOURS
- LINE OF INVESTIGATION (LOI)
- TOP SOIL CHECK DAMS
- F FILL LINE
- DITCH FLOW ARROW

30' 0 30' 60'
SCALE: 1" = 30'

SW-02

NO.	REVISION	BY	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. 33330

EXPIRATION DATE JUNE 29, 2026

Designed By MSK Drawn By MSK Checked By BLS

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING

STORMWATER MANAGEMENT PLAN

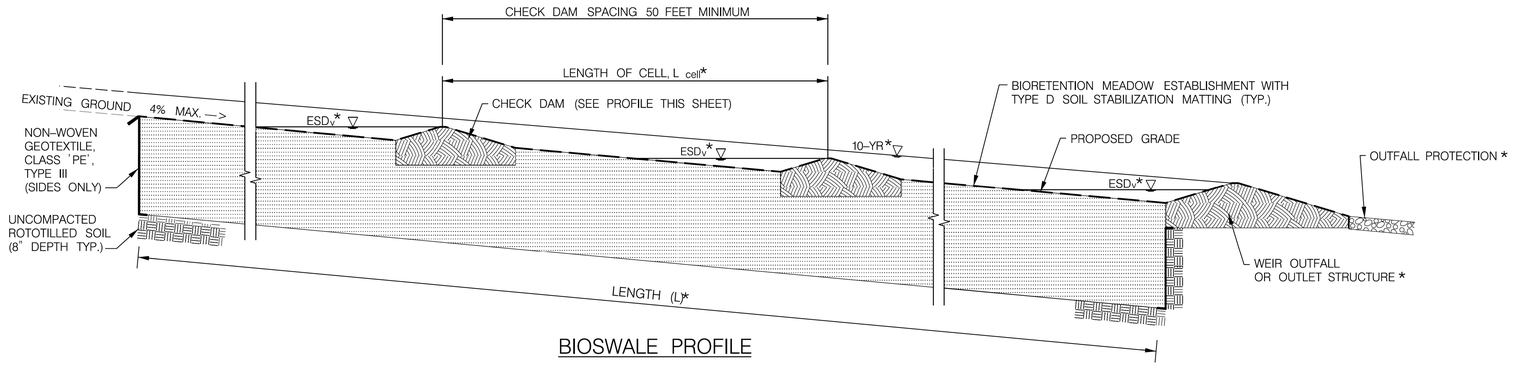
MD 198 (SANDY SPRING ROAD) FROM DINO DRIVE TO MCKNEW ROAD SIDEWALK IMPROVEMENTS

SCALE: 1" = 30'

BY: guiliamc –

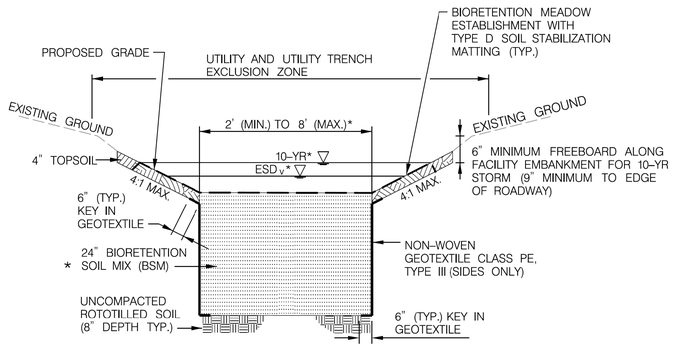
PLOTTED: Friday, January 24, 2025 AT 02:32 PM
FILE: \\stvgroup.stvinc.com\v3\DGPA\Vol3\Projects\4022532\4022532_0001\90_CAD Models and Sheets\04_CT_Transportation\pSW-0002_MD198SidewalkImprovements.dgn

MONTGOMERY COUNTY APPROVAL BLOCK



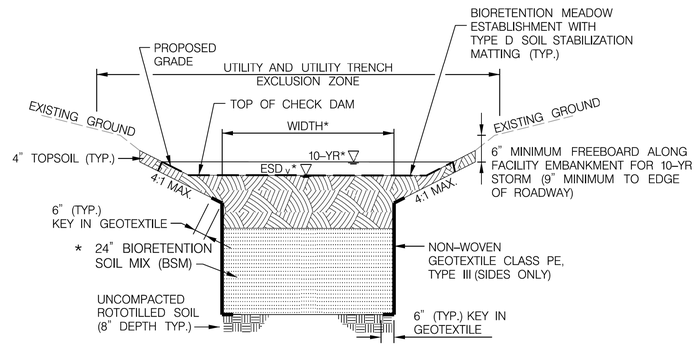
BIOSWALE PROFILE

SHOW ENTIRE PROFILE AS DESIGNED
NOT TO SCALE



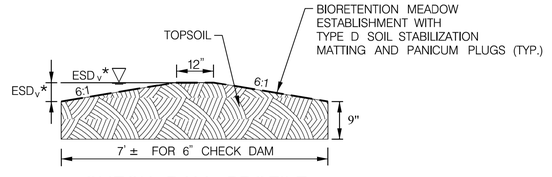
BIOSWALE TYPICAL SECTION

NOT TO SCALE



BIOSWALE TYPICAL SECTION AT CHECK DAM

NOT TO SCALE



CHECK DAM PROFILE

NOT TO SCALE

NOTE: PROJECT SPECIFIC PROFILES AND TYPICAL SECTIONS WILL BE DEVELOPED ONCE THE PROJECT REACHES THE SITE DEVELOPMENT PHASE.

SW-03

NO.	REVISION	BY	DATE

Designed By MSK Drawn By MSK Checked By BLS

"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. 33330

EXPIRATION DATE JUNE 29, 2026

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING

STORMWATER MANAGEMENT DETAILS

MD 198 (SANDY SPRING ROAD)
FROM DINO DRIVE TO MCKNEW ROAD
SIDEWALK IMPROVEMENTS

SCALE: AS SHOWN

BY: guiliamc –

PLOTTED: Friday, January 24, 2025 AT 02:47 PM
FILE: \\stvgroup.stvinc.com\v3\DGPA\Vol3\Projects\4022532\4022532_0001\90_CAD Models and Sheets\04_CT_Transportation\pSW-0003_MD198SidewalkImprovements.dgn