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MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
TUCKERMAN LANE PEDESTRIAN AND BICYCLE IMPROVEMENTS
FALLS ROAD (MD 189) TO SNAKEDEN BRANCH

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					
WATERWAYS / WETLAND(S):					
a. Corps of Engineers	✓				
b. MDE	✓				
c. MDE Water Quality Certification	✓				
MDE Dam Safety					
* DPS Roadside Trees Protection Plan	✓			Approval Date	
N.P.D.E.S. NOTICE OF INTENT	✓				DATE FILED
FEMA LOMR (Required Post Construction)					
OTHERS (Please List):					

* A copy of the approved Roadside Trees Protection Plan must be delivered to the sediment control inspector at the preconstruction meeting.

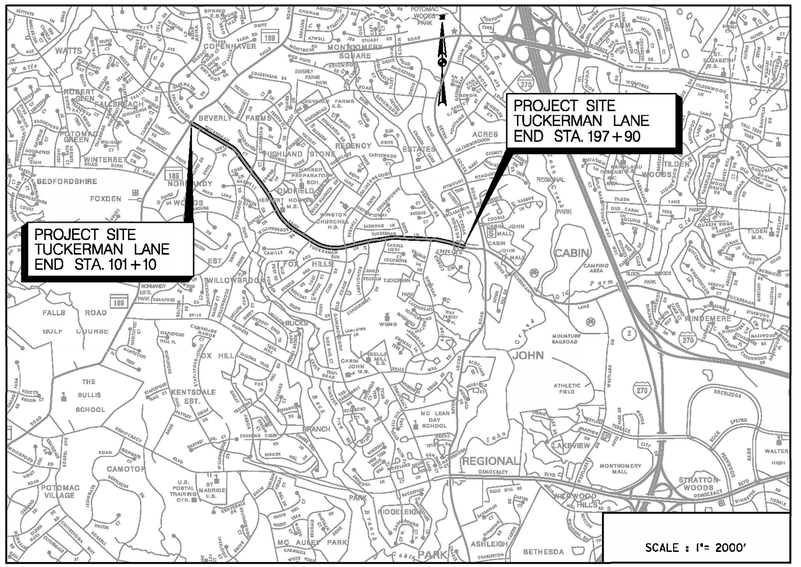
GENERAL NOTES

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 SELECTED BACKFILL 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. RPM'S MAY DAMAGE MILLING HEADS, IF NOT REMOVED.
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, FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING EXCAVATION TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES.
8. THE CONTRACTOR IS ADVISED THAT THERE IS A 15 TON WEIGHT LIMIT ON ALL CONSTRUCTION EQUIPMENT WORKING ON MACARTHUR BOULEVARD, EXCEPT AT THE HEAVY DUTY CROSSINGS INDICATED ON THE PLANS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A LIST OF EQUIPMENT (TYPE, GROSS WEIGHT, AND REGISTRATION) IT PLANS TO UTILIZE DURING CONSTRUCTION TO WASHINGTON AQUEDUCT FOR A BLANKET APPROVAL. ALL EQUIPMENT SHALL OPERATE IN NON-VIBRATORY MODE WHEN IN CLOSE PROXIMITY TO THE EXISTING AQUEDUCTS.
9. ALL GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
10. THE CONTRACTOR SHALL HAND DIG AND LOCATE THE EXISTING AQUEDUCT PRIOR TO EXCAVATION FOR ALL STRUCTURES THAT ARE TO BE INSTALLED WITHIN 2 FEET OF THE EXISTING AQUEDUCTS (e.g. STORM CULVERTS, GUARDRAIL POSTS, HANDRAIL POSTS, ETC.).
11. ALL DISTURBED AREAS TO BE SEEDED AND MULCHED UNLESS OTHERWISE NOTED.
12. THE CONTRACTOR SHALL OBTAIN A ROADSIDE TREE PERMIT FOR ANY MAINTENANCE, TREATMENT, PLANTING, REMOVAL, OR ROOT CUTTING ON TREES WITHIN THE PUBLIC RIGHT OF WAY. PERMIT REQUIREMENTS MAY BE OBTAINED FROM THE DEPARTMENT OF NATURAL RESOURCES, MARYLAND FOREST, PARK AND WILDLIFE SERVICE, TELEPHONE 301-854-6060
13. HORIZONTAL DATUM: NAD 83/91 VERTICAL DATUM: NAVD 88

MISS UTILITY

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.

C. I. P. PROJECT NO. 503403



PROJECT LENGTH = 1.70 MILES

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION MAINTENANCE CERTIFICATION

I HEREBY CERTIFY THAT THE DEPARTMENT OF TRANSPORTATION WILL ASSUME MAINTENANCE RESPONSIBILITIES FOR ALL STORMWATER MANAGEMENT FACILITIES AS LISTED AND SHOWN, HEREON, IN ACCORDANCE WITH THE 'MEMORANDUM OF UNDERSTANDING' BETWEEN THIS DEPARTMENT AND THE DEPARTMENT OF ENVIRONMENTAL PROTECTION DATED SEPTEMBER 1, 1986. IF, FOR ANY REASON, FUTURE IMPROVEMENTS TO THE ROADWAY ARE PLANNED THAT WOULD IMPACT ANY OF THE STORMWATER MANAGEMENT FACILITIES INCLUDED HEREIN, THIS DEPARTMENT WILL NOTIFY THE DEPARTMENT OF THE ENVIRONMENTAL PROTECTION DURING PLANNING OR EARLY DESIGN STAGE FOR SUCH IMPROVEMENTS.

DATE

TIM CUPPLES, P.E.
CHIEF, DIVISION OF
TRANSPORTATION ENGINEERING

35% SUBMITTAL

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. 31487, EXPIRATION DATE: 03/18/2023

STATE OF MARYLAND · MARK J. BODMANN · No. 31487 · PROFESSIONAL ENGINEER

MARK J. BODMANN, P.E. DATE

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

Designed by : Drawn by : Checked by :

TITLE SHEET

TUCKERMAN LANE SIDEWALK/BIKEWAY

09/2021

Project No. : C.I.P. PR. # 501744 SHEET 01 of 171

WALLACE MONTGOMERY
ENGINEERS · PLANNERS · SURVEYORS · CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
A Limited Liability Partnership

MCDOT
Montgomery County Department of Transportation
100 EDISON PARK DR., 4TH FLOOR GAITHERSBURG, MD 20878
240-777-7224

BY: nkern -

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pGN-T000_Tuckerman.dgn

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162	CS 27 OF 36	CROSS SECTIONS - STA. 174+00 TO STA. 176+42.50 (TUCKERMAN LANE)
163	CS 28 OF 36	CROSS SECTIONS - STA. 176+50 TO STA. 179+00 (TUCKERMAN LANE)
164	CS 29 OF 36	CROSS SECTIONS - STA. 179+50 TO STA. 181+50 (TUCKERMAN LANE)
165	CS 30 OF 36	CROSS SECTIONS - STA. 182+00 TO STA. 184+00 (TUCKERMAN LANE)
166	CS 31 OF 36	CROSS SECTIONS - STA. 184+50 TO STA. 186+50 (TUCKERMAN LANE)
167	CS 32 OF 36	CROSS SECTIONS - STA. 187+00 TO STA. 189+00 (TUCKERMAN LANE)
168	CS 33 OF 36	CROSS SECTIONS - STA. 189+50 TO STA. 191+57.75 (TUCKERMAN LANE)
169	CS 34 OF 36	CROSS SECTIONS - STA. 192+50 TO STA. 194+00 (TUCKERMAN LANE)
170	CS 35 OF 36	CROSS SECTIONS - STA. 194+25.93 TO STA. 195+50 (TUCKERMAN LANE)
171	CS 36 OF 36	CROSS SECTIONS - STA. 196+00 TO STA. 197+50 (TUCKERMAN LANE)

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Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
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BY: nkern -

PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET INDX-01
INDEX OF SHEETS
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : N.T.S. 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 02 of 171

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pGN-I001_Tuckerman.dgn

GENERAL NOTES

1. THE SPECIFICATIONS FOR THIS CONTRACT WILL BE THOSE OF THE MARYLAND STATE HIGHWAY ADMINISTRATION DATED JULY 2019, ALL ERRATA AND ADDENDA THERETO. THE MARYLAND STATE HIGHWAY ADMINISTRATION BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES, WASHINGTON SUBURBAN SANITARY COMMISSION (W.S.S.C.) STANDARDS, MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION STANDARDS, AND SOIL CONSERVATION SERVICE POND CONSTRUCTION SPECIFICATIONS FOR MARYLAND.
2. FOR CONSTRUCTION, ALL HORIZONTAL CONTROL SHALL BE STATE HIGHWAY ADMINISTRATION NAD 83/91 AND VERTICAL CONTROL NAVD 88.
3. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION 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 ON THIS PLAN OR SIX (6) INCHES, WHICH-EVER IS LESS, THE CONTRACTOR SHALL CONTACT THE MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION'S PROJECT INSPECTOR AND THE UTILITY OWNER BEFORE PROCEEDING WITH CONSTRUCTION.
4. 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 UNDERGROUND 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 THE REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE. REPAIRS TO UTILITIES OR PROPERTY DAMAGED AS A RESULT OF THE CONTRACTOR'S NEG-LIGENCE OR METHOD OF OPERATION, MUST BE MADE AT THE CONTRACTOR' EXPENSE WITHOUT ADDITIONAL COST TO MONTGOMERY COUNTY BEFORE PROCEEDING WITH CONSTRUCTION.
5. GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE IN BOTH TEMPORARY AND PERMANENT CONDITIONS.
6. DISTURBED AREAS ADJACENT TO ESTABLISHED LAWNS SHALL BE SODDED. OTHER DISTURBED AREAS SHALL BE SEEDED AND MULCHED.
7. CLEARING TO BE LIMITED TO THE "LIMIT OF DISTURBANCE" AS SHOWN ON THE PLANS.
8. CONTACT THE WASHINGTON SUBURBAN SANITARY COMMISSION SYSTEM MAINTENANCE ENGINEER BEFORE EXCAVATING BENEATH OR IN THE VICINITY OF EXISTING WATER OR SEWER LINES. BACKFILL TO BE DONE UNDER THE SUPERVISION OF W.S.S.C., CALL (301) 699-4420
9. ALL STORM DRAINS SHALL BE INSTALLED WITH CLASS "C" BEDDING UNLESS OTHERWISE NOTED.
10. ALL UTILITY POLES NOTED FOR RELOCATION SHALL BE PERFORMED BY OTHERS.
11. THE CONTRACTOR SHALL OBTAIN A ROADSIDE TREE PERMIT FOR ANY MAINTENANCE, TREAT-MENT, PLANTING, REMOVAL OR ROOT CUTTING ON TREES WITHIN THE PUBLIC RIGHT-OF-WAY BEFORE STARTING A JOB. PERMIT REQUIREMENTS MAY BE OBTAINED FROM THE DEPARTMENT OF NATURAL RESOURCES - MARYLAND FOREST, PARK AND WILDLIFE SERVICE WHOSE TELE-PHONE NUMBER IS (301) 854-6060. THE PERMIT PROCESS TAKES SEVERAL DAYS. TAKE THIS INTO CONSIDERATION BEFORE STARTING A JOB.
12. THE LOCATION OF RIGHT-OF-WAY AND EASEMENT LINES SHOWN ON THE PLANS ARE FOR INFORMATION AND GUIDANCE ONLY. NO GUARANTEE IS MADE AS TO THE ACCURACY OF SAID LOCATIONS. PLEASE REFER TO THE APPROPRIATE RIGHT-OF-WAY PLAT FILES NO. 776 TO 781.
13. CONCRETE DESIGN: SERVICE LOAD DESIGN METHOD.
14. REINFORCING STEEL DESIGN: (fs=24,000 PSI)
15. ALL CONCRETE SHALL BE MIX NO. 2 f'c=3000 psi UNLESS OTHERWISE NOTED.
16. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60. ALL SPLICES, NOT SHOWN, SHALL BE LAPPED AS PER ACI 318 REQUIREMENTS. MINIMUM COVER FOR ANY BAR SHALL BE 2" UNLESS OTHERWISE NOTED.
17. WHEN THE DROP OF THE MAIN LINE THROUGH A STRUCTURE IS GREATER THAN THAT WHICH CAN BE ACCOMMODATED BY A SHAPED CHANNEL WITH THE INVERT ON A 1.5 FOOT HORIZONTAL TO 1 FOOT VERTICAL SLOPE, THE BOTTOM OF THE STRUCTURE SHALL BE LINED WITH GRANITE BLOCKS AT LEAST 4 INCHES THICK. NO SHAPED CHANNEL WILL BE REQUIRED FOR THIS TYPE OF CONSTRUCTION, BUT THE BOTTOM OF THE STRUCTURE SHALL SLOPE AT LEAST 1/2 INCH PER FOOT TOWARD THE INVERT OF THE OUTLET PIPE.
18. FOR ADDITIONAL NOTES ON DRAINAGE STRUCTURES AND RETAINING WALLS SEE NOTES ELSEWHERE IN PLANS.
19. WHERE CURB AND GUTTER ENDS ARE EXPOSED, PROVIDE A NOSE DOWN SECTION AT 3:1 SLOPE.
20. DISTURBED AREAS TO BE PERMANENTLY GRASS SHALL RECEIVE 2" OF TOPSOIL.
21. STORM DRAIN AND UTILITY INSTALLATION WITHIN SHA RIGHT-OF-WAY AND IN EXISTING PAVEMENT SHALL BE IN ACCORDANCE WITH MD 578.01. ALL COSTS ASSOCIATED WITH MEETING THE REQUIREMENTS OF MD 578.01 SHALL BE INCIDENTAL TO THE APPLICABLE UTILITIES AND STORN DRAIN ITEMS.
22. SUBSURFACE INVESTIGATION RESULTS (TEST HOLES, SOIL BORINGS, ETC.) WILL BE MADE AVAILABLE TO THE CONTRACTOR.
23. PROPOSED INLETS AND ASSOCIATED PIPE EXTENSIONS SHALL BE CONNECTED TO THE NEAREST SOUND JOINT OF THE EXISTING PIPE AND IN COMPLIANCE WITH THE CONCRETE COLLAR CONNECTION DETAIL SHOWN ON THE STORM DRAIN SCHEDULE SHEET. PIPE CONNECTIONS WHETHER NEW PIPES TO EXISTING PIPES, NEW INLETS TO EXISTING PIPES, OR NEW PIPES TO EXISTING INLETS WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCIDENTAL TO PERTINENT STORM DRAIN ITEMS.
24. NOTIFY MR. TONY GOODMAN (703) 750-4708 OF WASHNGTON GAS, FOR STAND BY, 48 HOURS PRIOR TO ANY EXCAVATION IN THE VICINITY OF NATURAL GAS TRANSMISSION LINES.
25. ANY RELOCATION OF EXISTING NATURAL GAS TRANSMISSION LINES MAY ONLY BE ABLE TO BE PERFORMED DURING THE NON-HEATING SEASON, MAY THROUGH SEPTEMBER.

EXPLANATORY NOTES AND REFERENCES

SIGHT DISTANCES: STOPPING SITE DISTANCES FOR VERTICAL CREST CURVES ARE BASED ON A HEIGHT OF EYE OF 3.5' AND A HEIGHT OF OBJECT OF 2'-0".

PIPE CULVERTS: ALL PIPE LENGTHS AND LOCATIONS SHALL BE VERIFIED IN THE FIELD AND CHECKED BY THE ENGINEER BEFORE ORDERING.

INVERT ELEVATIONS: ALL INVERT ELEVATIONS HAVE BEEN CALCULATED WITH THE MOST RELIABLE DATA AVAILABLE, FIELD CHANGES WILL BE AT THE DIRECTION OF THE ENGINEER.

CONVENTIONAL SIGNS

- PROPOSED MEDIAN BARRIER
- ELECTRICAL HAND BOX - SIGNALS (H.B.)
- EXISTING GROUND LINE
- PROPOSED TRAFFIC BARRIER
- EXISTING TRAFFIC BARRIER
- FENCE LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EASEMENT
- PROPERTY LINE
- EXISTING ROADWAY
- RAILROAD
- BASE OR SURVEY LINE (31, +50, 32)
- FIRE HYDRANT (F.H.)
- PROPOSED CULVERT
- EXISTING CULVERT
- EXISTING DROP INLET
- UTILITY POLE
- EXISTING CURB & GUTTER
- WETLAND
- HEDGE
- WATER LINE (W)
- SANITARY SEWER LINE (SAN)
- GAS LINE (GAS)
- SOIL BORING TARGET (SB-01)
- TEST PIT LOCATION (TH-01)
- EXISTING SANITARY MANHOLE (M.H.)
- EXISTING STORM DRAIN MANHOLE (M.H.)
- WATERS OF U.S. (AND ID NUMBERS) (WUS4)
- STORMDRAIN STRUCTURE IDENTIFICATION (X / XX)

FIELD SURVEY NOTES

1. TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED BY WILSON T. BALLARD XXX, XXXXX.
2. TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED BY WALLACE MONTGOMERY JUNE 2021.

ABBREVIATIONS

ABUT	-	ABUTMENT
ACCT. NO.	-	ACCOUNT NUMBER
APPROX.	-	APPROXIMATE
ASPH	-	ASPHALT SURFACE
BK.	-	BACK
B/L	-	BASELINE
BLVD	-	BOULEVARD
BRG.	-	BEARING, BORING
B.R.L.	-	BUILDING RESTRICTION LINE
CATV	-	CABLE TV
C/L	-	CENTERLINE
CONC.	-	CONCRETE
CMP	-	CORRUGATED METAL PIPE
CORR.	-	CORRECTION (V.C.)
CSW	-	CONCRETE SIDEWALK
CSXT	-	CSX RAILROAD
C.Y.	-	CUBIC YARDS
Dc	-	DEGREE OF CURVE
DELTA	-	CENTRAL ANGLE (CURVE DATA)
DEV	-	DEVELOPMENT
DIA.	-	DIAMETER
DI	-	EXISTING DRAIN INLET
E	-	EXTERNAL DISTANCE (CURVE DATA)
EA.	-	EACH
E.B.R.	-	EAST BOUND ROADWAY
ELEV.,EL	-	ELEVATION
EX., EXIST.	-	EXISTING
EXP.	-	EXPANSION
F.S.	-	FAR SIDE
F/O	-	FIBER OPTIC
F.215	-	FOLIO
HI	-	HIGH POINT
INV.	-	INVERT
L	-	LENGTH OF CURVE (CURVE DATA)
LBS	-	POUNDS
L.F.	-	LINEAR FEET
LO	-	LOW POINT
LT.	-	LEFT
L.5660	-	LIBER
MAX.	-	MAXIMUM
MC	-	MONTGOMERY COUNTY
MD	-	MARYLAND
M.H.,MH	-	MANHOLE
MIN.	-	MINIMUM
MOD.	-	MODIFIED
MSE	-	MECHANICAL STABILIZED EARTH
N.B.R.	-	NORTH BOUND ROADWAY
N.D.C.	-	NOSE DOWN CURB
NO.	-	NUMBER
NORM.	-	NORMAL
NRI	-	NATURAL RESOURCE INVENTORY
FSD	-	FOREST STAND DELINEATION
N.S.	-	NEAR SIDE
NTS	-	NOT TO SCALE
P/C	-	POINT OF CROWN
P.C.	-	POINT OF CURVATURE
P.C.C.	-	POINT OF COMPOUND CURVATURE
P/GE	-	PROFILE GRADE ELEVATION
P.G.L.	-	PROFILE GRADE LINE
P/GL	-	PROFILE GROUND LINE
PIE	-	PUBLIC IMPROVEMENT EASEMENT
P.I.	-	POINT OF INTERSECTION
PROP.	-	PROPOSED
P.S.I.	-	POUNDS PER SQUARE INCH
P.S.F.	-	POUNDS PER SQUARE FOOT
P.O.B.	-	POINT OF BEGINNING
P.O.E.	-	POINT OF ENDING
P/R	-	POINT OF ROTATION
P.P.C.C.	-	PLAIN PORTLAND CEMENT CONCRETE
P.T.	-	POINT OF TANGENT
PUE	-	PUBLIC UTILITY EASEMENT
P.V.C.	-	POINT OF VERTICAL CURVE
P.V.I.	-	POINT OF VERTICAL INTERSECTION
P.V.R.C.	-	POINT OF VERTICAL REVERSE CURVE
PVT.	-	PAVEMENT
P.V.T.	-	POINT OF VERTICAL TANGENCY
R	-	RADIUS (CURVE DATA)
R.C.P.	-	REINFORCED CONCRETE PIPE
RT.	-	RIGHT
R/W	-	RIGHT OF WAY
S.B.R.	-	SOUTH BOUND ROADWAY
SDWK.	-	SIDEWALK
SC	-	STORMCEPTOR
SD	-	STORM DRAIN
SF	-	SQUARE FEET
SHA	-	STATE HIGHWAY ADMINISTRATION
S.Y.	-	SQUARE YARDS
SPP	-	STRUCTURAL PLATE PIPE
STA.	-	STATION
STD.	-	STANDARD
SSD	-	STOPPING SIGHT DISTANCE
SMH	-	SANITARY MANHOLE
SWM	-	STORM WATER MANAGEMENT
SW-1	-	STORM WATER MANAGEMENT BORING
T	-	TANGENT (CURVE DATA)
TBD	-	TO BE DETERMINED
TC	-	TOP OF CURB
TRANS	-	TRANSFORMER
TRAV	-	TRAVERSE POINT
TYP.	-	TYPICAL
UG	-	UNDERGROUND
UTIL.	-	UTILITY STRUCTURE
VC	-	VERTICAL CURVE
W	-	WATER LINE
W.B.R.	-	WEST BOUND ROADWAY
W.P.	-	WORKING POINT

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

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BY: nkern -

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET GN-01
GENERAL NOTES AND DEFINITIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : N.T.S. 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 03 of 171

PLOTTED: 9/16/2021
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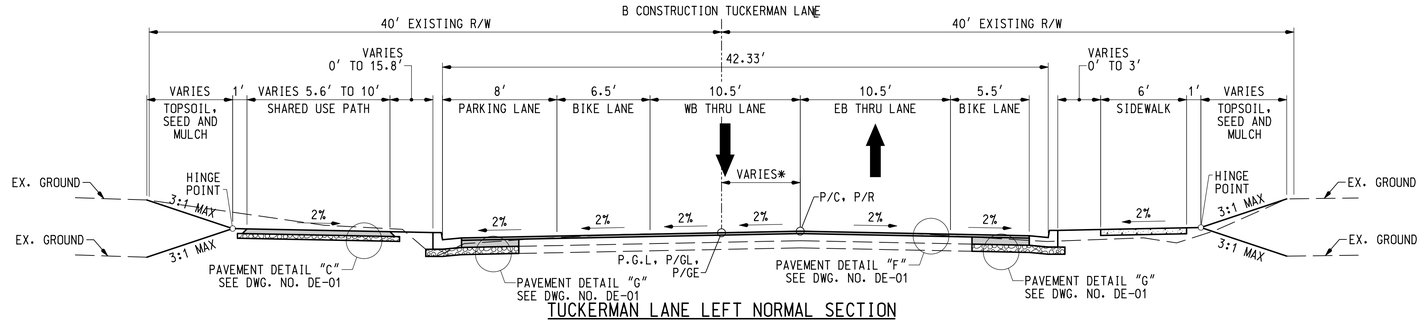
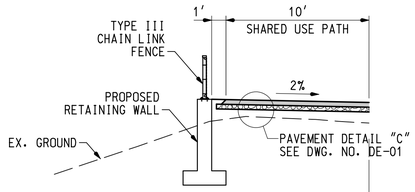


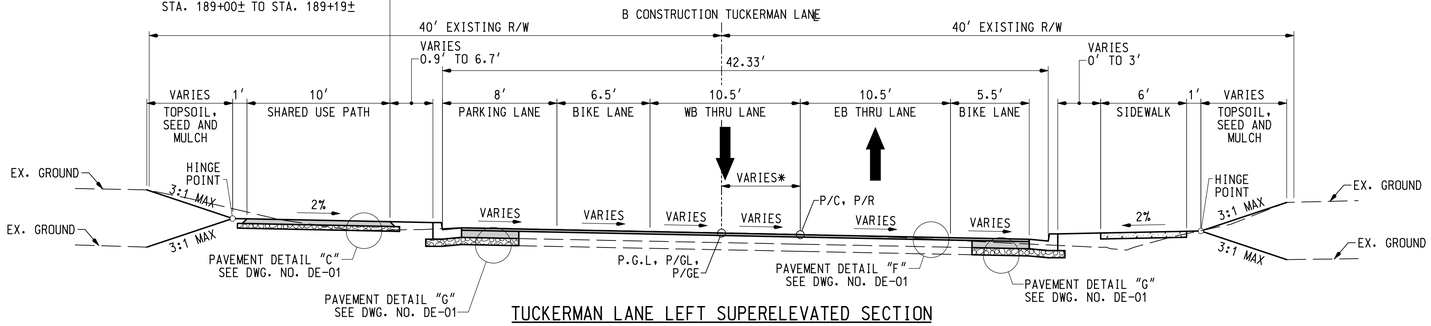
TUCKERMAN LANE LEFT NORMAL SECTION

NOT TO SCALE
STA. 101+44± TO STA. 109+13±
STA. 117+19± TO STA. 117+88±
STA. 121+69± TO STA. 125+02±
STA. 134+03± TO STA. 136+30±
STA. 145+58± TO STA. 148+18±
STA. 160+55± TO STA. 163+40±
STA. 171+75± TO STA. 181+11±
STA. 191+12± TO STA. 192+00±



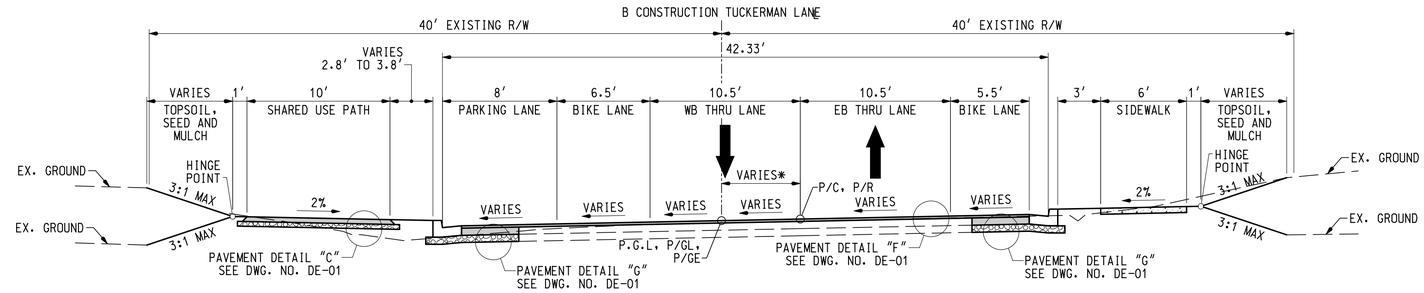
RETAINING WALL SECTION

NOT TO SCALE
STA. 189+00± TO STA. 189+19±



TUCKERMAN LANE LEFT SUPERELEVATED SECTION

NOT TO SCALE
STA. 113+75± TO STA. 117+19±
STA. 188+35± TO STA. 188+79±



TUCKERMAN LANE LEFT SUPERELEVATED SECTION

NOT TO SCALE
STA. 136+30 TO STA. 145+58
STA. 148+18 TO STA. 160+55
STA. 181+11 TO STA. 185+25

*REFER TO POINT OF CROWN TABLE ON SHEET PC-01

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BY: nkern -

PLOTTED: 9/17/2021
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PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE: 9/17-2021

35% SUBMITTAL

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MONTGOMERY COUNTY
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100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

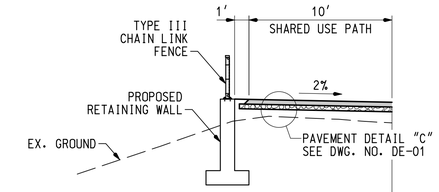
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET TS-01
TYPICAL SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY

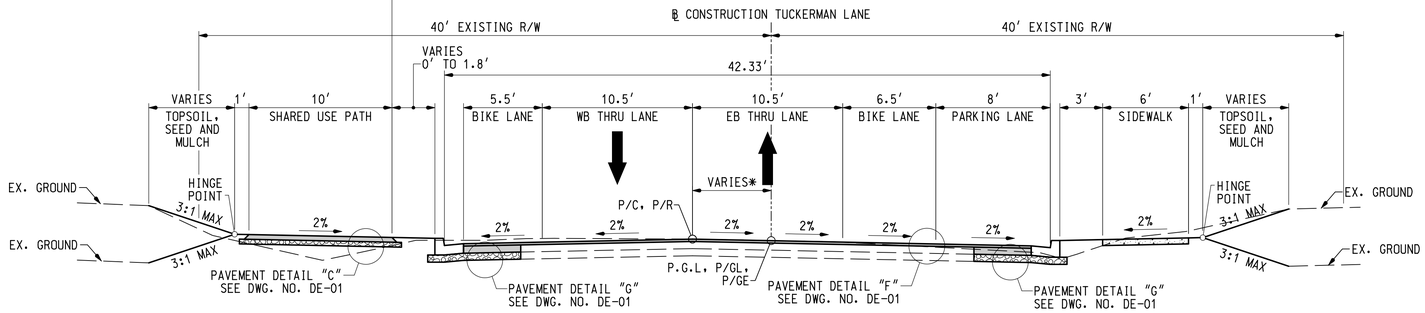
SCALE : N.T.S. 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 04 of 171



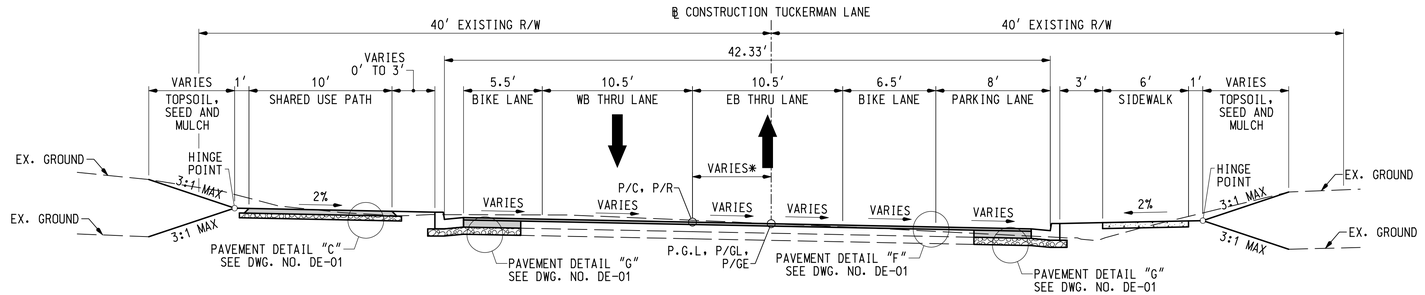
RETAINING WALL SECTION

NOT TO SCALE
STA. 189+19 TO STA. 189+80



TUCKERMAN LANE RIGHT NORMAL SECTION

NOT TO SCALE
STA. 109+13 TO STA. 110+94
STA. 117+88 TO STA. 121+69
STA. 188+79 TO STA. 191+12



TUCKERMAN LANE RIGHT SUPERELEVATED SECTION

NOT TO SCALE
STA. 110+94 TO STA. 113+75
STA. 125+02 TO STA. 134+03
STA. 163+40 TO STA. 171+75
STA. 185+25 TO STA. 188+79

*REFER TO POINT OF CROWN TABLE ON SHEET PC-01

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MARK J. BODMANN MD NO-31487 EXP-03/16/2023
DATE: 9/17/2021

SEAL
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MARK J. BODMANN
31487
PROFESSIONAL ENGINEER

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RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET TS-02
TYPICAL SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : N.T.S. 09/2021

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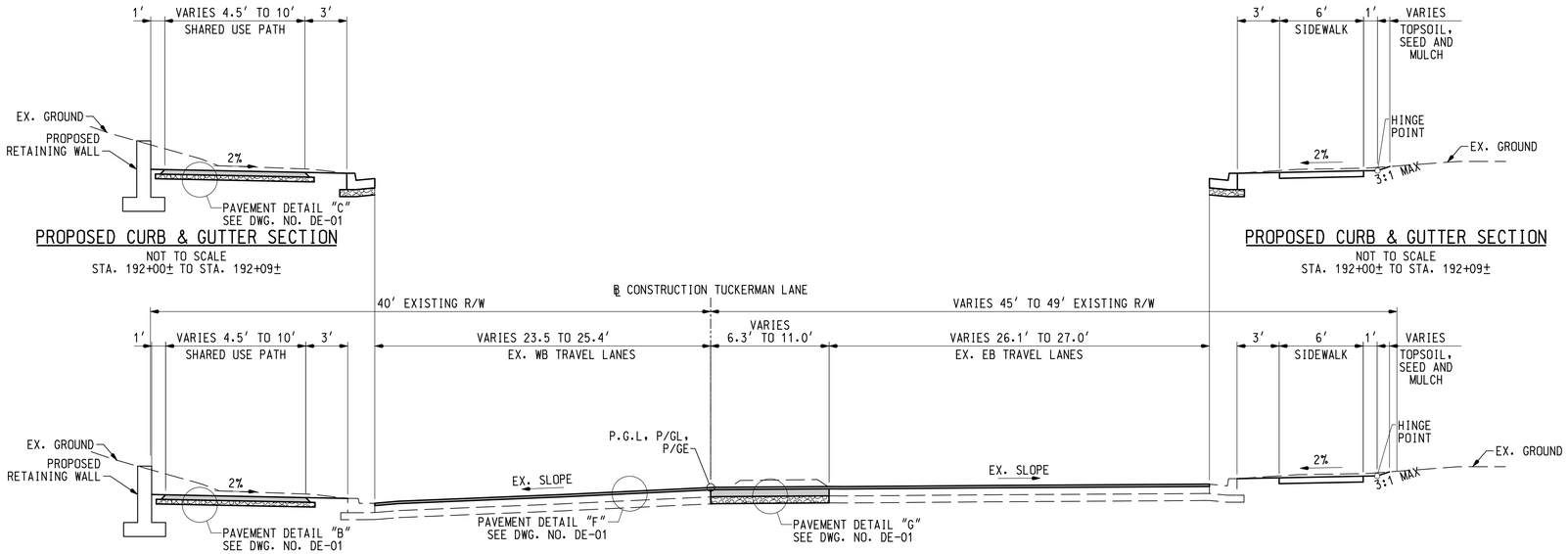

PROPOSED CURB & GUTTER SECTION
NOT TO SCALE
STA. 192+00± TO STA. 192+09±

PROPOSED CURB & GUTTER SECTION
NOT TO SCALE
STA. 192+00± TO STA. 192+09±

TUCKERMAN LANE MILL/OVERLAY SECTION
NOT TO SCALE
STA. 192+00± TO STA. 192+94±

TUCKERMAN LANE MILL/OVERLAY SECTION
NOT TO SCALE
STA. 192+94± TO STA. 195+66±

SHARED USE PATH SECTION
NOT TO SCALE
STA. 195+66± TO STA. 197+39±

SIDEWALK SECTION
NOT TO SCALE
STA. 195+66± TO STA. 197+95±

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DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

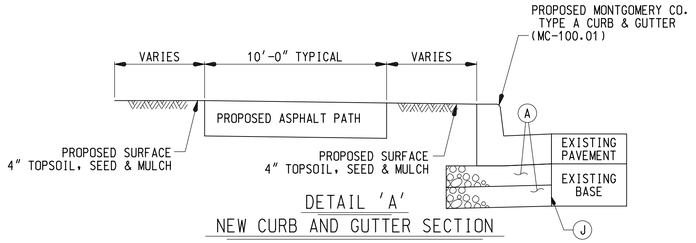
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

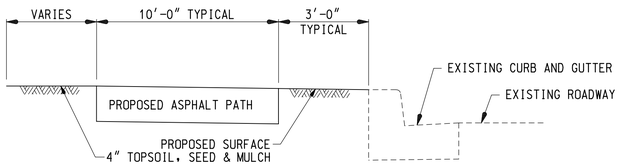
PLAN SHEET TS-03
TYPICAL SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : N.T.S. 09/2021

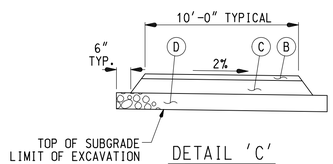
Project No. : C.I.P. PR. # 501744 SHEET 06 of 171



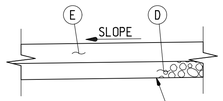
DETAIL 'A'
NEW CURB AND GUTTER SECTION
NOT TO SCALE



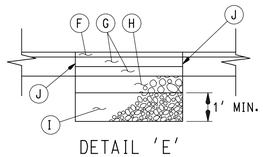
DETAIL 'B'
EXISTING CURBED SECTION
NOT TO SCALE



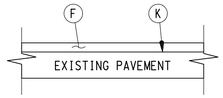
DETAIL 'C'
NEW PROPOSED ASPHALT PATH
NOT TO SCALE



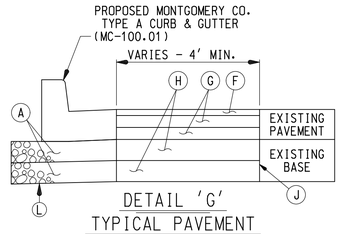
DETAIL 'D'
STANDARD DRIVEWAY ENTRANCE
NOT TO SCALE



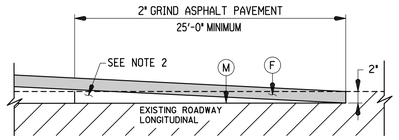
DETAIL 'E'
REPAIRING PAVEMENT OPENINGS FOR UTILITY TRENCHES
NOT TO SCALE



DETAIL 'F'
SHA FINE MILLING AND OVERLAY
NOT TO SCALE



DETAIL 'G'
TYPICAL PAVEMENT
NOT TO SCALE



DETAIL 'H'
TYPICAL PAVEMENT
NOT TO SCALE

PAVEMENT LEGEND NOTES:

1. FOR GRADE OR CROSS SLOPE ADJUSTMENTS USE: SUPERPAVE ASPHALT MIX 9.5 MM FOR WEDGE/LEVEL, PG 64S-22, LEVEL 2 (1" MINIMUM LIFT, 2" MAXIMUM LIFT) OR SUPERPAVE ASPHALT MIX 19.0MM FOR WEDGE/LEVEL (2" MINIMUM LIFT, 4" MAXIMUM LIFT)

NOTES:

1. A WEDGE/LEVEL COURSE OF MINIMUM 1" THICKNESS SHOULD BE PLACED OVER ALL EXISTING PAVEMENTS PRIOR TO PLACING THE FINAL 2" SURFACE LAYER. THIS WEDGE/LEVEL LAYER SHOULD BE PLACED AFTER GRINDING OPERATIONS ON EXISTING PAVEMENT. ADDITIONAL THICKNESS OF WEDGE/LEVEL MATERIAL MAY BE USED FOR MAKING GRADE AND CROSS SLOPE ADJUSTMENTS AS REQUIRED FOR EXISTING PAVEMENTS.

2. ADDITIONAL 1' WIDTH (MAXIMUM) EXCAVATION FOR CURB PLACEMENT. THE ADDITIONAL WIDTH IS TO BE FILLED WITH MIX NO. 3 CEMENT CONCRETE TO THE TOP OF THE GRADED AGGREGATE BASE. PAYMENT SHALL BE INCIDENTAL TO THE LINEAR FOOT ITEM FOR CURB AND GUTTER.

3. IN AREAS WHERE THE EXISTING PAVEMENT IS BEING REMOVED, THE LIMIT OF CLASS 1 EXCAVATION SHALL BE AT THE BOTTOM OF THE BOUND MATERIALS IN THE EXISTING PAVEMENT OR AT THE TOP OF SUBGRADE, WHICHEVER IS LOWER.

4. FOR WEDGE/LEVEL 0"-2" LIFT:
   BID ITEM: SUPERPAVE ASPHALT MIX 9.5 MM FOR WEDGE/LEVEL, PG 64S-22, LEVEL 2.
   FOR WEDGE/LEVEL 2"-4" LIFT:
   BID ITEM: SUPERPAVE ASPHALT MIX 19.0 MM FOR WEDGE/LEVEL, PG 64S-22, LEVEL 2.

Ⓐ 12" BASE COURSE USING GRADED AGGREGATE (2-6" LIFTS)
(INCIDENTAL TO C&G PAYMENT)
Ⓑ 1.5" SUPERPAVE ASPHALT MIX 9.5mm SURFACE, PG 64S-22, L2
Ⓒ 2.5" SUPERPAVE ASPHALT MIX 19.0mm BASE, PG 64S-22, L2
Ⓓ 4.0" GRADED AGGREGATE BASE COURSE
REFER TO PLANS FOR DIMENSIONS
SEE MD STD 580.08 FOR ADDITIONAL INFORMATION
Ⓔ 8.0" PLAIN CEMENT CONCRETE PAVEMENT, MIX 9
Ⓕ 2.0" SUPERPAVE ASPHALT MIX 9.5mm SURFACE, PG 64S-22, L2
Ⓖ 4.0" SUPERPAVE ASPHALT MIX 19.0mm BASE, PG 64S-22, L2
Ⓗ 6.0" GRADED AGGREGATE BASE COURSE
Ⓘ NO. 57 AGGREGATE
Ⓙ FULL DEPTH SAWCUT (TYP.)
Ⓚ TOP OF EXISTING PAVEMENT AFTER 2.0" FINE MILLING
Ⓛ TOP OF SUBGRADE AND LIMIT OF EXCAVATION
Ⓜ TOP OF EXISTING PAVEMENT BASE

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
A Limited Liability Partnership

BY: nkern -

PROFESSIONAL CERTIFICATION
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
MARK J. BODMANN MD NO-31487 EXP-03/18/2023
DATE: 9/17/2021

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET DE-01
PAVEMENT DETAILS
TUCKERMAN LANE
SIDEWALK/BIKEWAY

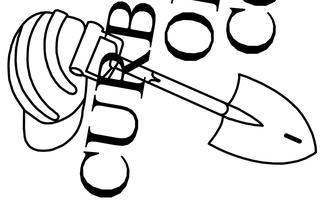
SCALE : N.T.S. 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 07 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHD-D001_Tuckerman.dgn

PLAN SHEET	WESTBOUND				BASELINE		EASTBOUND			
	CURB		CENTERLINE		TUCKERMAN LANE		CENTERLINE		CURB	
	OFFSET	ELEVATION	OFFSET	ELEVATION	STATION	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
PS-01			N/A	N/A	101+00.00					
PS-01			N/A	N/A	101+25.00					
PS-01			N/A	N/A	101+50.00					
PS-01			N/A	N/A	101+75.00					
PS-01			N/A	N/A	102+00.00					
PS-01			N/A	N/A	102+25.00					
PS-01			N/A	N/A	102+50.00					
PS-01			N/A	N/A	102+75.00					
PS-01			N/A	N/A	103+00.00					
PS-01			N/A	N/A	103+25.00					
PS-01			N/A	N/A	103+50.00					
PS-01			N/A	N/A	103+75.00					
PS-01			N/A	N/A	104+00.00					
PS-01			N/A	N/A	104+25.00					
PS-01			N/A	N/A	104+50.00					
PS-01			N/A	N/A	104+75.00					
PS-01			N/A	N/A	105+00.00					
PS-01			N/A	N/A	105+25.00					
PS-01			N/A	N/A	105+50.00					
PS-01			N/A	N/A	105+75.00					
PS-01			N/A	N/A	106+00.00					
PS-01			N/A	N/A	106+25.00					
PS-01 & 02			N/A	N/A	106+50.00					

CURB ELEVATIONS AND OFFSETS UNDER CONSTRUCTION



NOTES:

1. ALL ELEVATIONS ARE TO THE FLOW LINE. TOP OF CURB IS 0.67′ HIGHER EXCEPT AT DRIVEWAYS, ADA RAMPS, VALLEY GUTTER, OR WHERE OTHERWISE SHOWN ON PLAN SHEETS AND DETAILS.
2. GUTTER PAN IS 1′-4″.

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Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

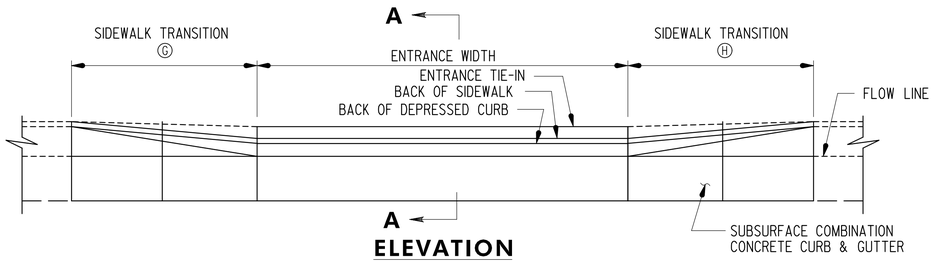
PLAN SHEET CR-01
CURB ELEVATIONS AND OFFSETS
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : N.T.S. 09/2021

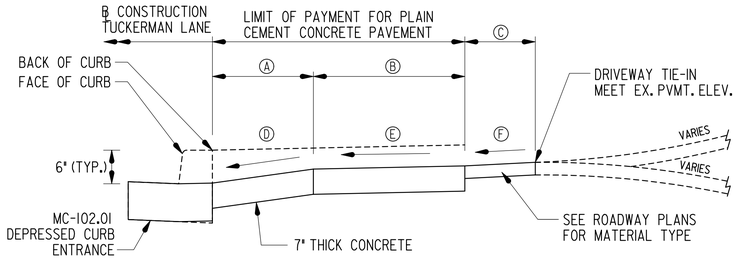
Project No. : C.I.P. PR. # 501744 SHEET 08 of 171

BY: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pCR-P001_Tuckerman.dgn



ELEVATION



SECTION A-A

NOTES:

1. FOR DRIVEWAY ENTRANCE PLAN VIEW, SEE MONTGOMERY COUNTY STANDARD NO. MC-301.01. ENTRANCE WIDTHS SHALL BE PER DRIVEWAY ENTRANCE SCHEDULE THIS SHEET.

DRIVEWAY ENTRANCE CONSTRUCTION DETAIL

NOT TO SCALE

DRIVEWAY ENTRANCE SCHEDULE

STATION	A (FT)	B (FT)	C (FT)	D (%)	E (%)	F (%)	G (FT)	H (FT)	ENT. WIDTH (FT)
102+82.78, RT	3.00	6.00	9.43	8.33%	2.00%	15.00%	3.00	3.00	12.00
102+98.18, LT.	5.40	10.00	21.19	-6.96%	-2.00%	-18.00%	N/A	N/A	12.00
103+07.96, RT.	3.00	6.00	8.68	8.33%	2.00%	15.00%	3.00	3.00	12.00
104+45.52, LT.	N/A	10.00	7.25	N/A	-2.00%	-10.00%	6.00	6.00	12.00
104+85.74, LT.	N/A	10.00	7.68	N/A	-2.00%	-10.00%	6.00	6.00	12.00
105+03.99, RT.	3.00	6.00	1.38	8.33%	2.00%	2.00%	3.00	3.00	12.00
105+53.61, RT.	3.00	6.00	9.69	8.33%	2.00%	-8.33%	3.00	3.00	12.00
105+83.35, LT.	N/A	10.00	11.25	N/A	-2.00%	-18.00%	6.00	6.00	12.00
106+02.26, RT.	3.00	6.00	1.59	8.33%	2.00%	5.00%	3.00	3.00	12.00
106+83.10, RT.	3.00	6.00	9.02	8.33%	2.00%	10.00%	3.00	3.00	12.00
107+06.92, RT.	3.00	6.00	7.89	8.33%	2.00%	10.00%	3.00	3.00	12.00
107+34.50, LT.	N/A	10.00	30.83	N/A	-2.00%	-20.00%	6.00	6.00	22.00
108+30.41, RT.	4.29	6.00	6.23	9.04%	2.00%	5.00%	N/A	2.00	12.00
108+52.90, RT.	5.24	6.00	4.47	7.76%	2.00%	5.00%	2.00	N/A	24.00
108+59.86, LT.	4.12	10.00	8.84	-7.30%	-2.00%	-13.00%	3.00	3.00	12.00
109+61.75, LT.	N/A	10.00	9.92	N/A	-2.00%	-15.00%	6.00	6.00	12.00
109+77.68, RT.	3.00	6.00	5.07	8.33%	2.00%	15.00%	3.00	3.00	12.00
110+07.96, RT.	3.00	6.00	3.26	8.33%	2.00%	15.00%	3.00	3.00	12.00
110+57.20, RT.	3.00	6.00	6.80	8.33%	2.00%	18.00%	N/A	3.00	12.00
110+62.47, LT.	N/A	10.00	12.35	N/A	-2.00%	-15.00%	6.00	6.00	20.00
110+80.27, RT.	3.00	6.00	8.23	8.33%	2.00%	18.00%	3.00	N/A	12.00
110+99.22, LT.	N/A	10.00	9.80	N/A	-2.00%	-15.00%	6.00	6.00	12.00
111+57.16, RT.	3.00	6.00	7.12	8.33%	2.00%	15.00%	3.00	3.00	12.00
112+57.90, LT.	N/A	10.00	6.31	N/A	-2.00%	-15.00%	6.00	6.00	12.00
113+36.62, LT.	N/A	10.00	13.83	N/A	-2.00%	-20.00%	6.00	6.00	12.00
114+57.81, LT.	4.06	10.00	12.81	-7.39%	-2.00%	-15.00%	3.00	3.00	12.00
114+99.76, LT.	5.51	10.00	14.14	-8.99%	-2.00%	-18.00%	1.00	1.00	12.00
115+66.96, LT.	6.66	10.00	7.42	-9.04%	-2.00%	-15.00%	N/A	N/A	12.00
115+66.99, RT.	3.00	6.00	18.69	8.33%	2.00%	20.00%	3.00	3.00	16.00
116+09.86, RT.	3.00	6.00	22.79	8.33%	2.00%	22.00%	3.00	3.00	24.00
116+67.94, LT.	N/A	10.00	9.81	N/A	-2.00%	-16.00%	6.00	6.00	12.00
118+14.00, LT.	N/A	10.00	9.57	N/A	-2.00%	-18.00%	6.00	6.00	12.00
118+21.60, RT.	3.00	6.00	22.41	8.33%	2.00%	20.00%	3.00	3.00	12.00
118+99.20, LT.	N/A	10.00	8.14	N/A	-2.00%	-13.00%	6.00	6.00	14.00
119+14.78, RT.	3.00	6.00	27.07	8.33%	2.00%	22.00%	3.00	3.00	15.00
119+37.79, LT.	N/A	10.00	8.65	N/A	-2.00%	-15.00%	6.00	6.00	12.00
120+07.53, RT.	3.00	6.00	11.64	8.33%	2.00%	20.00%	3.00	3.00	14.00
120+74.57, LT.	N/A	10.00	0.39	N/A	-2.00%	-2.00%	6.00	6.00	15.00
120+99.15, RT.	3.00	6.00	9.57	8.33%	2.00%	18.00%	3.00	3.00	14.00
121+82.64, RT.	7.21	6.00	0.36	8.50%	2.00%	2.00%	3.00	3.00	16.00
122+92.92, RT.	3.00	6.00	2.17	8.33%	2.00%	2.00%	3.00	3.00	12.00
123+47.42, LT.	N/A	10.00	2.93	N/A	-2.00%	2.00%	N/A	N/A	12.00
123+55.02, RT.	3.00	6.00	2.70	8.33%	2.00%	8.33%	3.00	3.00	16.00
123+95.73, RT.	3.00	6.00	12.35	8.33%	2.00%	8.33%	3.00	3.00	16.00
124+27.75, LT.	N/A	10.00	6.96	N/A	-2.00%	-10.00%	6.00	6.00	12.00
124+60.69, RT.	3.00	6.00	6.64	8.33%	2.00%	10.00%	3.00	3.00	12.00
124+77.12, LT.	N/A	10.00	24.82	N/A	-2.00%	-20.00%	6.00	6.00	15.00
125+53.33, RT.	3.00	6.00	9.91	8.33%	2.00%	16.00%	3.00	3.00	16.00
125+68.22, LT.	N/A	10.00	9.54	N/A	-2.00%	-15.72%	6.00	6.00	14.00
126+45.76, RT.	3.00	6.00	7.31	8.33%	2.00%	13.00%	3.00	3.00	16.00
126+57.20, LT.	N/A	10.00	13.86	N/A	-2.00%	-18.00%	6.00	6.00	14.00
126+91.84, RT.	3.00	6.00	9.96	8.33%	2.00%	15.00%	3.00	3.00	12.00
127+50.24, RT.	3.00	6.00	9.61	8.33%	2.00%	11.00%	3.00	3.00	11.00
127+93.96, LT.	N/A	10.00	9.83	N/A	-2.00%	-18.00%	6.00	6.00	12.00
128+00.07, RT.	3.00	6.00	9.04	8.33%	2.00%	13.00%	3.00	3.00	12.00
128+80.02, LT.	N/A	10.00	8.99	N/A	-2.00%	-17.00%	6.00	6.00	20.00
129+06.10, RT.	3.00	6.00	3.40	8.33%	2.00%	8.33%	3.00	3.00	17.00
129+63.95, LT.	N/A	10.00	5.45	N/A	-2.00%	-16.00%	6.00	6.00	12.00
130+12.04, RT.	3.00	6.00	7.66	8.33%	2.00%	8.33%	3.00	3.00	16.00
130+47.57, LT.	N/A	10.00	7.57	N/A	-2.00%	-15.00%	6.00	6.00	12.00
131+54.74, RT.	3.00	6.00	8.92	8.33%	2.00%	14.00%	3.00	3.00	16.00
132+47.87, RT.	3.00	6.00	0.08	8.33%	2.00%	2.00%	3.00	3.00	16.00
133+00.94, RT.	3.00	6.00	3.52	8.33%	2.00%	6.00%	3.00	3.00	16.00
134+16.72, RT.	3.00	6.00	5.33	8.33%	2.00%	4.00%	3.00	3.00	20.00
138+21.67, RT.	3.00	6.00	8.05	8.33%	2.00%	8.33%	3.00	3.00	12.00
138+85.59, RT.	3.00	6.00	5.54	8.33%	2.00%	-0.67%	3.00	3.00	12.00
139+57.18, RT.	3.00	6.00	8.67	8.33%	2.00%	10.00%	3.00	3.00	16.00
140+06.21, RT.	3.00	6.00	2.94	8.33%	2.00%	8.00%	3.00	3.00	12.00
140+36.42, RT.	3.00	6.00	5.79	8.33%	2.00%	8.00%	3.00	3.00	12.00
141+04.89, RT.	3.00	6.00	2.27	8.33%	2.00%	8.00%	3.00	3.00	12.00

DRIVEWAY ENTRANCE SCHEDULE

STATION	A (FT)	B (FT)	C (FT)	D (%)	E (%)	F (%)	G (FT)	H (FT)	ENT. WIDTH (FT)
144+32.55, RT.	3.00	6.00	6.49	8.33%	2.00%	-4.00%	3.00	3.00	12.00
144+76.38, RT.	3.00	6.00	6.26	8.33%	2.00%	-4.00%	3.00	3.00	12.00
145+38.61, RT.	3.00	6.00	0.48	8.33%	2.00%	2.00%	3.00	3.00	12.00
146+22.99, RT.	3.00	6.00	15.17	8.33%	2.00%	20.00%	3.00	3.00	12.00
146+97.35, RT.	3.00	6.00	18.99	8.33%	2.00%	20.00%	3.00	3.00	12.00
147+72.83, RT.	3.00	6.00	30.18	8.33%	2.00%	22.00%	3.00	3.00	12.00
150+03.30, RT.	3.00	6.00	8.34	8.33%	2.00%	2.00%	3.00	3.00	16.00
150+40.08, RT.	3.00	6.00	6.05	8.33%	2.00%	15.00%	3.00	3.00	21.00
151+71.72, RT.	3.00	6.00	0.19	8.33%	2.00%	-2.00%	3.00	3.00	16.00
152+60.09, RT.	3.00	6.00	3.54	8.33%	2.00%	8.33%	3.00	3.00	16.00
153+45.34, RT.	3.00	6.00	2.34	8.33%	2.00%	-4.00%	3.00	3.00	16.00
154+23.40, RT.	3.00	6.00	6.69	8.33%	2.00%	12.00%	3.00	3.00	18.00
155+15.05, RT.	3.00	6.00	9.84	8.33%	2.00%	10.00%	3.00	3.00	16.00
155+99.87, RT.	3.00	6.00	9.33	8.33%	2.00%	12.00%	3.00	3.00	16.00
156+84.21, RT.	3.00	6.00	3.92	8.33%	2.00%	14.00%	3.00	3.00	16.00
157+27.34, RT.	3.00	6.00	6.35	8.33%	2.00%	12.00%	3.00	3.00	18.00
157+79.39, RT.	3.00	6.00	3.88	8.33%	2.00%	12.00%	3.00	3.00	14.00
158+20.17, RT.	3.00	6.00	2.86	8.33%	2.00%	-4.00%	3.00	3.00	16.00
160+98.74, RT.	3.00	6.00	5.35	8.33%	2.00%	10.00%	3.00	3.00	16.00
161+26.46, LT.	3.00	10.00	17.52	-8.33%	-2.00%	-20.00%	3.00	3.00	12.00
161+88.93, RT.	3.00	6.00	7.58	8.33%	2.00%	6.00%	3.00	3.00	16.00
162+76.62, RT.	3.00	6.00	0.55	8.33%	2.00%	6.00%	3.00	3.00	16.00
163+68.11, RT.	3.00	6.00	1.06	8.33%	2.00%	10.00%	3.00	3.00	16.00
163+83.95, LT.	3.00	10.00	2.85	-8.33%	-2.00%	-2.00%	3.00	3.00	18.00
164+61.09, RT.	3.00	6.00	0.21	8.33%	2.00%	2.00%	3.00	3.00	16.00
164+62.05, LT.	3.00	10.00	0.12	-8.33%	-2.00%	-2.00%	3.00	3.00	18.00
165+36.17, LT.	3.00	10.00	1.40	-8.33%	-2.00%	-2.00%	3.00	3.00	12.00
166+14.29, LT.	3.00	10.00	5.73	-8.33%	-2.00%	-12.00%	3.00	3.00	16.00
166+88.32, LT.	3.00	10.00	0.83	-8.33%	-2.00%	-2.00%	3.00	3.00	12.00
167+60.23, LT.	3.00	10.00	3.22	-8.33%	-2.00%	-12.00%	3.00	3.00	16.00
167+72.34, RT.	3.00	6.00	5.77	8.33%	2.00%	10.00%	3.00	3.00	12.00
168+42.19, LT.	3.00	10.00	3.28	-8.33%	-2.00%	-2.00%	3.00	3.00	12.00
168+43.21, RT.	3.00	6.00	2.89	8.33%	2.00%	-2.00%	3.00	3.00	12.00
169+27.54, RT.	3.00	6.00	5.16	8.33%	2.00%	2.00%	3.00	3.00	14.00
169+61.27, LT.	3.00	10.00	4.71	-8.33%	-2.00%	-2.00%	3.00	3.00	12.00
169+64.17, RT.	3.00	6.00	1.38	8.33%	2.00%	13.00%	3.00	3.00	28.00
169+90.53, LT.	3.00	10.00	4.27	-8.33%	-2.00%	-2.00%	3.00	3.00	12.00
170+69.13, LT.	3.00	10.00	8.94	-8.33%	-2.00%	8.00%	3.00	3.00	12.00
171+19.66, LT.	3.00	10.00	1.47	-8.33%	-2.00%	-2.00%	3.00	3.00	12.00
171+58.67, LT.	3.00	10.00	5.00	-8.33%	-2.00%	-12.00%	3.00	3.00	12.00
171+81.95, RT.	3.00	6.00	0.42	8.33%	2.00%	2.00%	3.00	3.00	12.00
172+65.52, RT.	3.00	6.00	6.01	8.33%	2.00%	2.00%	3.00	3.00	12.00
172+86.69, LT.	3.00	10.00	1.22	-8.33%	-2.00%	-8.33%	3.00	3.00	12.00
173+01.20, RT.	3.00	6.00	4.75	8.33%	2.00%	2.00%	3.00	3.00	14.00
173+20.49, LT.	3.00	10.00	1.16	-8.33%	-2.00%	2.00%	3.00	3.00	12.00
173+98.43, LT.	3.00	10.00	1.34	-8.33%	-2.00%	2.00%	3.00	3.00	12.00
174+19.80, RT.	3.00	6.00	5.86	8.33%	2.00%	2.00%	3.00	3.00	13.00
174+62.73, RT.	3.00	6.00	4.18	8.33%	2.00%	2.00%	3.00	3.00	15.00
175+83.53, RT.	3.00	6.00	5.72	8.33%	2.00%	2.00%	3.00	3.00	20.00
176+23.81, RT.	3.00	6.00	0.02	8.33%	2.00%	2.00%	3.00	3.00	16.00
177+03.33, RT.	3.00	6.00	0.06	8.33%	2.00%	2.00%	3.00	3.00	12.00
177+61.83, LT.	3.00	10.00	1.76	-8.33%	-2.00%	-4.00%	3.00	3.00	17.00
177+84.31, RT.	3.00	6.00	6.12	8.33%	2.00%	2.00%	3.00	3.00	12.00
180+11.55, LT.	3.00	10.00	3.78	-8.33%	-2.00%	4.00%	3.00	3.00	14.00
180+15.55, RT.	3.00	6.00	5.47	8.33%	2.00%	10.00%	3.00	3.00	12.00
184+07.95, RT.	3.00	6.00	0.77	8.33%	2.00%	2.00%	3.00	3.00	14.00
184+33.69, LT.	2.83	10.00	21.07	-9.72%	-2.00%	-22.00%	3.00	3.00	12.00
184+63.95, RT.	3.00	6.00	1.43	8.33%	2.00%	2.00%	3.00	3.00	12.00
185+21.70, LT.	2.84	10.00	8.72	-9.71%	-2.00%	-18.00%	3.00	3.00	12.00
185+48.45, RT.	3.00	6.00	6.90	8.33%	2.00%	2.00%	3.00	3.00	21.00
185+72.02, LT.	2.85	10.00	1.09	-9.66%	-2.00%	-2.00%	3.00	3.00	12.00
185+95.90, LT.	2.85	10.00	3.23	-9.66%	-2.00%	-2.00%	3.00	3.00	12.00
186+52.87, RT.	3.00	6.00	4.70	8.33%	2.00%	1.30%	3.00	3.00	12.00
187+10.37, LT.	2.87	10.00	6.51	-9.61%	-2.00%	2.00%	3.00	3.00	12.00
187+47.49, RT.	3.00	6.00	10.49	8.33%	2.00%	20.00%	3.00	3.00	28.00
187+78.52, LT.	2.88	10.00	3.88	-9.58%	-2.00%	-6.00%	3.00	3.00	12.00
188+36.45, RT.	3.00	6.00	9.94	8.33%	2.00%	18.00%	3.00	3.00	12.00
188+53.70, LT.	2.77	10.00	4.13	-9.88%	-2.00%	-15.00%	3.00	3.00	12.00
189+12.14, RT.	3.00	6.00	7.44	8.33%	2.00%	16.00%	3.00	3.00	12.00

WALLACE MONTGOMERY
ENGINEERS·PLANNERS·SURVEYORS·CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
A Limited Liability Partnership

BY: nkern -

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHD-DR01_Tuckerman.dgn

PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

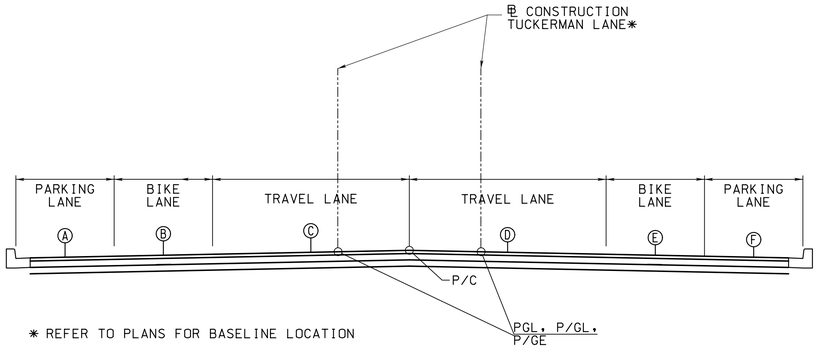
Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET DR-01
DRIVEWAY DETAILS

TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : N.T.S. 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 09 of 171



* REFER TO PLANS FOR BASELINE LOCATION

TUCKERMAN LANE

R1 = 1,050, Se = 4.80%, Design Speed = 40 MPH, emax = 6%
R2 = 3,650, Se = 2.00%, Design Speed = 40 MPH, emax = 6%
R3 = 1,400, Se = 4.00%, Design Speed = 40 MPH, emax = 6%
R4 = 1,150, Se = 4.40%, Design Speed = 40 MPH, emax = 6%
R5 = 1,350, Se = 4.20%, Design Speed = 40 MPH, emax = 6%
R6 = 2,100, Se = 3.20%, Design Speed = 40 MPH, emax = 6%
R7 = 2,500, Se = 2.80%, Design Speed = 40 MPH, emax = 6%
R8 = 650, Se = 5.60%, Design Speed = 40 MPH, emax = 6%

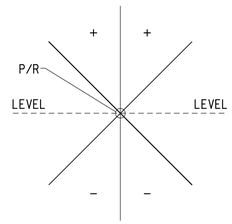


CHART ORIENTATION

	PARKING LANE	BIKE LANE	TRAVEL LANE	TRAVEL LANE	BIKE LANE	PARKING LANE	C = 0.00040 FT./FT./FT.
STATION	A	B	C	D	E	F	DESCRIPTION
101+44.32	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	---	MATCH EXISTING
110+93.52	---	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	NORMAL CROWN
111+34.82	---	0.00%	0.00%	-2.00%	-2.00%	-2.00%	
PC 112+10.82	---	3.68%	3.68%	-3.68%	-3.68%	-3.68%	
112+29.82	---	4.60%	4.60%	-4.60%	-4.60%	-4.60%	FULL SUPER
115+82.80	---	4.60%	4.60%	-4.60%	-4.60%	---	FULL SUPER
PT 116+01.80	3.68%	3.68%	3.68%	-3.68%	-3.68%	---	
116+36.49	2.00%	2.00%	2.00%	-2.00%	-2.00%	---	
116+77.80	---	0.00%	0.00%	-2.00%	-2.00%	---	ADVERSE CROWN REMOVED
117+19.10	---	-2.00%	-2.00%	-2.00%	-2.00%	---	NORMAL CROWN
125+02.05	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	---	NORMAL CROWN
125+43.05	0.00%	0.00%	0.00%	-2.00%	-2.00%	---	
PC 125+75+85	1.60%	1.60%	1.60%	-2.00%	-2.00%	---	
125+84.05	2.00%	2.00%	2.00%	-2.00%	-2.00%	---	FULL SUPER
134+20.91	2.00%	2.00%	2.00%	-2.00%	-2.00%	---	FULL SUPER
PT 134+29.11	1.60%	1.60%	1.60%	-2.00%	-2.00%	---	
134+61.91	0.00%	0.00%	0.00%	-2.00%	-2.00%	---	ADVERSE CROWN REMOVED
135+02.91	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	---	NORMAL CROWN
135+79.59	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	---	NORMAL CROWN
136+21.09	-2.00%	-2.00%	-2.00%	0.00%	0.00%	---	
136+62.59	-2.00%	-2.00%	-2.00%	2.00%	2.00%	---	
PC 136+87.49	-3.20%	-3.20%	-3.20%	3.20%	3.20%	---	
137+04.09	-4.00%	-4.00%	-4.00%	4.00%	4.00%	---	FULL SUPER
144+33.72	-4.00%	-4.00%	-4.00%	4.00%	4.00%	---	FULL SUPER
PT 144+50.32	-3.20%	-3.20%	-3.20%	3.20%	3.20%	---	
144+75.22	-2.00%	-2.00%	-2.00%	2.00%	2.00%	---	
145+16.72	-2.00%	-2.00%	-2.00%	0.00%	0.00%	---	ADVERSE CROWN REMOVED
145+58.22	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	---	NORMAL CROWN
148+18.48	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	---	NORMAL CROWN
148+59.84	-2.00%	-2.00%	-2.00%	0.00%	0.00%	---	
149+01.21	-2.00%	-2.00%	-2.00%	2.00%	2.00%	---	
PC 149+32.64	-3.52%	-3.52%	-3.52%	3.52%	3.52%	---	
149+50.84	-4.40%	-4.40%	-4.40%	4.40%	4.40%	---	FULL SUPER
156+21.94	-4.40%	-4.40%	-4.40%	4.40%	4.40%	---	FULL SUPER
PCC 156+24.01	-4.30%	-4.30%	-4.30%	4.30%	4.30%	---	
156+26.08	-4.20%	-4.20%	-4.20%	4.20%	4.20%	---	FULL SUPER
159+26.88	---	-4.20%	-4.20%	4.20%	4.20%	---	FULL SUPER
PT 159+44.28	---	-3.36%	-3.36%	3.36%	3.36%	---	
159+72.46	---	-2.00%	-2.00%	2.00%	2.00%	---	
160+13.88	---	-2.00%	-2.00%	0.00%	0.00%	---	ADVERSE CROWN REMOVED
160+55.31	---	-2.00%	-2.00%	-2.00%	-2.00%	---	NORMAL CROWN
163+40.09	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	---	NORMAL CROWN
163+81.34	0.00%	0.00%	0.00%	-2.00%	-2.00%	---	
164+22.59	2.00%	2.00%	2.00%	-2.00%	-2.00%	---	
PC 164+34.14	2.56%	2.56%	2.56%	-2.56%	-2.56%	---	
164+47.34	3.20%	3.20%	3.20%	-3.20%	-3.20%	---	FULL SUPER
170+68.13	3.20%	3.20%	3.20%	-3.20%	-3.20%	---	FULL SUPER
PT 170+81.33	2.56%	2.56%	2.56%	-2.56%	-2.56%	---	
170+92.88	2.00%	2.00%	2.00%	-2.00%	-2.00%	---	
171+34.13	0.00%	0.00%	0.00%	-2.00%	-2.00%	---	ADVERSE CROWN REMOVED
171+75.38	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	---	NORMAL CROWN
PI 176+42.50	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	---	
180+50.87	-2.00%	-2.00%	-2.00%	0.00%	0.00%	---	
180+92.30	-2.00%	-2.00%	-2.00%	2.00%	2.00%	---	
PC 180+97.27	-2.24%	-2.24%	-2.24%	2.24%	2.24%	---	
181+08.87	-2.80%	-2.80%	-2.80%	2.80%	2.80%	---	FULL SUPER
PT 183+96.17	-2.80%	-2.80%	-2.80%	2.80%	2.80%	---	FULL SUPER
184+67.28	-2.80%	-2.80%	-2.80%	2.80%	2.80%	---	FULL SUPER
PC 185+58.85	---	1.62%	1.62%	-1.62%	-1.62%	---	
186+41.28	---	5.60%	5.60%	-5.60%	-5.60%	---	FULL SUPER
188+04.04	---	5.60%	5.60%	-5.60%	-5.60%	---	FULL SUPER
PT 188+27.24	---	4.48%	4.48%	-4.48%	-4.48%	---	
188+78.61	---	2.00%	2.00%.	-2.00%	-2.00%	---	
189+20.04	---	0.00%	0.00%	-2.00%	-2.00%	---	ADVERSE CROWN REMOVED
189+61.47	---	-2.00%	-2.00%	-2.00%	-2.00%	---	NORMAL CROWN
190+43.58	---	-2.00%	-2.00%	-2.00%	-2.00%	---	NORMAL CROWN
190+84.95	---	-2.00%	-2.00%	0.00%	0.00%	---	
191+26.31	---	-2.00%	-2.00%	0.00%	0.00%	---	
PC 191+57.75	---	-2.03%	-2.03%	0.21%	0.21%	---	
192+00.00	---	-2.07%	-2.07%	0.34%	0.34%	---	MATCH EXISTING

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10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: nkern

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pSE-D001_Tuckerman.dgn

PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/10/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET SE-01
SUPERELEVATION TABLE
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : N.T.S. 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 10 of 171

CURVE DATA

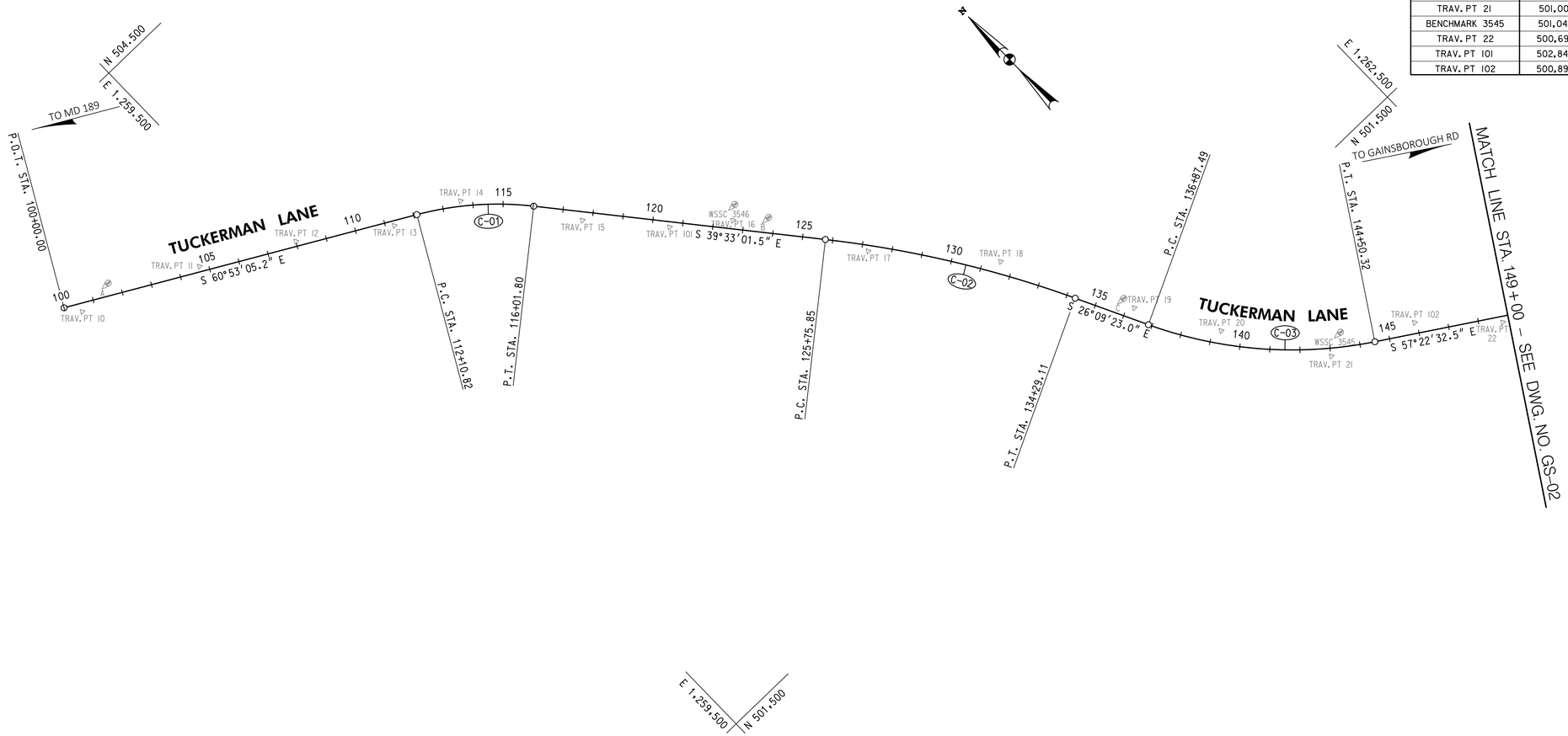
CURVE	BASELINE	DELTA	Dc	RADIUS	TANGENT	LENGTH	CHORD	EXTERNAL
C-01	TUCKERMAN LANE	21°20'03.71" RT.	05°27'24.27"	1,050.00'	197.78'	390.97'	388.72'	18.46'
C-02	TUCKERMAN LANE	13°23'38.49" RT.	01°34'11.09"	3,650.00'	428.58'	853.26'	851.32'	25.08'
C-03	TUCKERMAN LANE	31°13'09.50" LT.	04°05'33.20"	1,400.00'	391.14'	762.83'	753.43'	53.61'

℄ OF ROADWAY

POINT DESCR.	STATION	COORDINATES NORTH	COORDINATES EAST	BEARING
TUCKERMAN LANE				
P.O.T.	100+00.00	504,041.7523	1,257,752.3180	
P.C.	112+10.82	503,452.6042	1,259,910.1466	S 60°53'05.2" E
P.I.	114+08.60	503,356.3725	1,260,082.9329	
P.T.	116+01.80	503,203.8739	1,260,208.8686	S 39°33'01.5" E
P.C.	125+75.85	502,452.8202	1,260,829.1002	
P.I.	130+04.43	502,122.3547	1,261,102.0037	
P.T.	134+29.11	501,737.6606	1,261,290.9330	S 26°09'23.0" E
P.C.	136+87.49	501,505.7360	1,261,404.8349	
P.I.	140+78.63	501,154.6499	1,261,577.2589	
P.T.	144+50.32	500,943.7746	1,261,906.6874	S 57°22'32.5" E
P.O.T.	149+00.00	500,701.3402	1,262,285.4175	

CONTROL TRAVERSE

POINT NO.	COORDINATES NORTH	COORDINATES EAST	ELEVATION	DESCRIPTION
TRAV. PT 10	503,990.6142	1,258,886.9347	415.717	
BENCHMARK A	503,999.1142	1,258,986.2604	417.248	
TRAV. PT 11	503,829.2182	1,259,271.3572	404.432	
TRAV. PT 12	503,666.5315	1,259,559.7348	391.489	
TRAV. PT 13	503,478.0065	1,259,831.0644	378.910	
TRAV. PT 14	503,384.7669	1,260,046.0572	371.461	
TRAV. PT 15	503,058.1262	1,260,248.2208	359.003	
TRAV. PT 16	502,711.8805	1,260,651.6115	348.064	
BENCHMARK WSSC 3546	502,745.0730	1,260,665.1348	348.135	
BENCHMARK B	502,636.1272	1,260,716.1049	350.182	
TRAV. PT 17	502,326.4289	1,260,904.7741	365.515	
TRAV. PT 18	501,996.5755	1,261,197.2876	380.512	
BENCHMARK C	501,625.4240	1,261,378.0056	370.757	
TRAV. PT 19	501,578.6238	1,261,410.1229	368.143	
TRAV. PT 20	501,323.3830	1,261,564.8496	360.071	
TRAV. PT 21	501,009.8011	1,261,686.8789	343.735	
BENCHMARK 3545	501,045.3432	1,261,818.3038	342.512	
TRAV. PT 22	500,695.7562	1,262,257.3660	365.320	
TRAV. PT 101	502,840.7350	1,260,485.2846	351.239	
TRAV. PT 102	500,898.0043	1,262,045.6014	352.810	



200' 0 200' 400'

SCALE: 1" = 200'

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17/2021

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET GS-01
GEOMETRY LAYOUT
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : 1"= 200' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 11 of 171

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: nkern

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_tp\GS-P001_Tuckerman.dgn

CURVE DATA

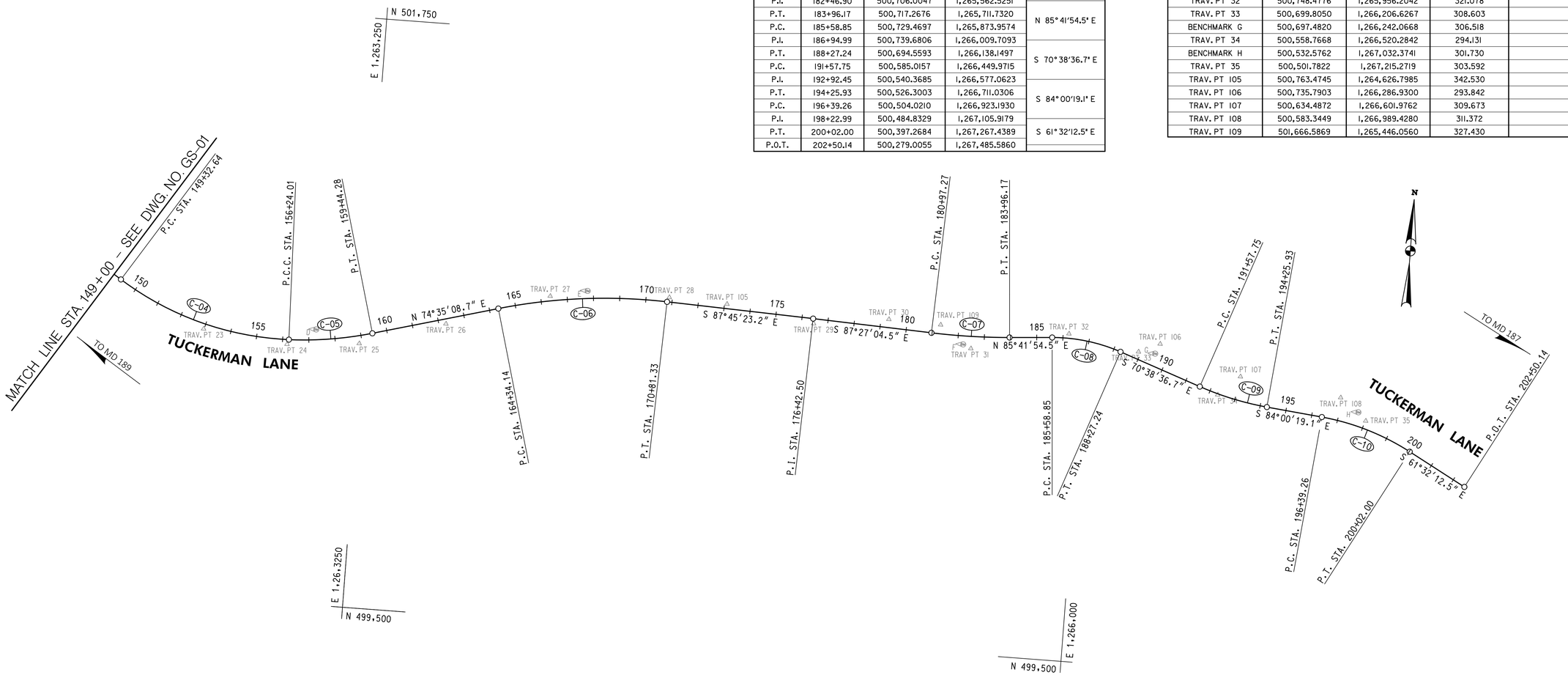
CURVE	BASELINE	DELTA	Dc	RADIUS	TANGENT	LENGTH	CHORD	EXTERNAL
C-04	TUCKERMAN LANE	34°26'43.94" LT.	04°58'56.07"	1,150.00'	356.49'	691.37'	681.00'	53.99'
C-05	TUCKERMAN LANE	13°35'34.87" LT.	04°14'38.87"	1,350.00'	160.89'	320.28'	319.53'	9.55'
C-06	TUCKERMAN LANE	17°39'28.15" RT.	02°43'42.13"	2,100.00'	326.18'	647.19'	644.63'	25.18'
C-07	TUCKERMAN LANE	06°51'01.04" LT.	02°17'30.59"	2,500.00'	149.63'	298.90'	298.72'	4.47'
C-08	TUCKERMAN LANE	23°39'28.80" RT.	08°48'53.05"	650.00'	136.14'	268.39'	266.49'	14.10'
C-09	TUCKERMAN LANE	13°21'42.36" LT.	04°58'56.07"	1,1500.00'	134.71'	268.19'	267.58'	7.86'
C-10	TUCKERMAN LANE	22°28'06.59" RT.	06°11'38.90"	925.00'	183.73'	362.74'	360.42'	18.07'

℄ OF ROADWAY

POINT DESCR.	STATION	COORDINATES NORTH	COORDINATES EAST	BEARING
		TUCKERMAN LANE		
P.O.T.	149+00.00	500,701.3402	1,262,285.4175	
P.C.	149+32.64	500,683.7432	1,26,312.9074	S 57°22'32.5" E
P.I.	152+89.31	500,491.5519	1,262,613.1479	
P.C.C.	156+24.01	500,502.8815	1,262,969.4531	N 88°10'43.6" E
P.I.	157+84.90	500,507.9949	1,263,130.2662	
P.T.	159+44.28	500,550.7600	1,263,285.3731	N 74°35'08.7" E
P.C	164+34.14	500,680.9616	1,263,757.6083	
P.I	167+60.32	500,767.6596	1,264,072.0576	
P.T.	170+81.33	500,754.8903	1,264,397.9899	S 87°45'23.2" E
P.I.	176+42.50	500,732.9219	1,264,958.7275	
P.C.	180+97.27	500,712.6986	1,265,413.0448	S 87°27'04.5" E
P.I.	182+46.90	500,706.0047	1,265,562.5251	
P.T.	183+96.17	500,717.2676	1,265,711.7320	N 85°41'54.5" E
P.C.	185+58.85	500,729.4697	1,265,873.9574	
P.I.	186+94.99	500,739.6806	1,266,009.7093	
P.T.	188+27.24	500,694.5593	1,266,138.1497	S 70°38'36.7" E
P.C.	191+57.75	500,585.0157	1,266,449.9715	
P.I.	192+92.45	500,540.3685	1,266,577.0623	
P.T.	194+25.93	500,526.3003	1,266,711.0306	S 84°00'19.1" E
P.C.	196+39.26	500,504.0210	1,266,923.1930	
P.I.	198+22.99	500,484.8329	1,267,105.9179	
P.T.	200+02.00	500,397.2684	1,267,267.4389	S 61°32'12.5" E
P.O.T.	202+50.14	500,279.0055	1,267,485.5860	

CONTROL TRAVERSE

POINT NO.	COORDINATES NORTH	COORDINATES EAST	ELEVATION	DESCRIPTION
TRAV. PT 23	500,519.6896	1,262,641.9539	372.820	
TRAV. PT 24	500,484.6033	1,262,963.7327	388.357	
BENCHMARK D	500,549.3881	1,263,041.9250	392.751	
TRAV. PT 25	500,508.1912	1,263,238.4195	395.208	
TRAV. PT 26	504,689.5729	1,263,562.8355	383.682	
TRAV. PT 27	500,743.2273	1,263,951.8032	368.710	
BENCHMARK E	500,773.5830	1,264,178.0826	366.075	
TRAV. PT 28	500,772.5341	1,264,434.9087	350.124	
TRAV. PT 29	500,714.0141	1,264,962.1029	338.682	
TRAV. PT 30	500,751.8420	1,265,247.3905	335.047	
BENCHMARK F	500,677.6831	1,265,508.5690	327.014	
TRAV. PT 31	500,664.1388	1,265,567.6509	324.860	
TRAV. PT 32	500,748.4776	1,265,956.2042	321.078	
TRAV. PT 33	500,699.8050	1,266,206.6267	308.603	
BENCHMARK G	500,697.4820	1,266,242.0668	306.518	
TRAV. PT 34	500,558.7668	1,266,520.2842	294.131	
BENCHMARK H	500,532.5762	1,267,032.3741	301.730	
TRAV. PT 35	500,501.7822	1,267,215.2719	303.592	
TRAV. PT 105	500,763.4745	1,264,626.7985	342.530	
TRAV. PT 106	500,735.7903	1,266,286.9300	293.842	
TRAV. PT 107	500,634.4872	1,266,601.9762	309.673	
TRAV. PT 108	500,583.3449	1,266,989.4280	311.372	
TRAV. PT 109	501,666.5869	1,265,446.0560	327.430	



200' 0 200' 400'
SCALE: 1" = 200'

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

PROFESSIONAL CERTIFICATION

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MARK J. BODMANN MD NO-31487 EXP-03/16/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9/17/2021

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
A Limited Liability Partnership

BY: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pGS-P002_Tuckerman.dgn

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET GS-02
GEOMETRY LAYOUT
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : 1"= 200' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 12 of 171

P/C – ℄ TUCKERMAN LANE			
PLAN SHEET	STATION	OFFSET	ELEVATION
PS-01	101+40.00	5.50' RT.	XXX.XX
PS-02	108+00.00	5.50' RT.	XXX.XX
PS-02	109+57.00	2.17' LT.	XXX.XX
PS-02	112+10.82	2.17' LT.	XXX.XX
PS-03	115+70.83	5.50' RT.	XXX.XX
PS-03	116+75.00	5.50' RT.	XXX.XX
PS-03	118+32.00	2.17' LT.	XXX.XX
PS-04	121+25.00	2.17' LT.	XXX.XX
PS-04	122+82.00	5.50' RT.	XXX.XX
PS-05	130+41.24	5.50' RT.	XXX.XX
PS-05	131+62.13	3.50' RT.	XXX.XX
PS-06	135+50.00	3.50' RT.	XXX.XX
PS-06	136+75.00	4.50' RT.	XXX.XX
PS-08	155+13.41	4.50' RT.	XXX.XX
PS-09	157+09.95	4.02' RT.	XXX.XX
PS-09	158+85.58	0.12' RT.	XXX.XX
PS-10	164+55.40	4.50' RT.	XXX.XX
PS-11	175+74.77	4.50' RT.	XXX.XX
PS-12	176+99.73	0.50' RT.	XXX.XX
PS-12	180+97.27	0.50' RT.	XXX.XX
PS-13	184+29.46	4.50' RT.	XXX.XX
PS-13	185+57.89	4.50' RT.	XXX.XX
PS-13	188+20.08	0.59' RT.	XXX.XX
PS-13	188+91.66	2.38' LT.	XXX.XX
PS-13	189+50.80	3.12' LT.	XXX.XX
PS-14	190+97.48	0.61' LT.	XXX.XX
PS-14	192+04.65	4.96' RT.	XXX.XX

POINT OF CROWN
STATION, OFFSET AND
TABLE UNDER
CONSTRUCTION

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
A Limited Liability Partnership

BY: nkern –

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pPC-T001_Tuckerman.dgn

PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE : 09/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

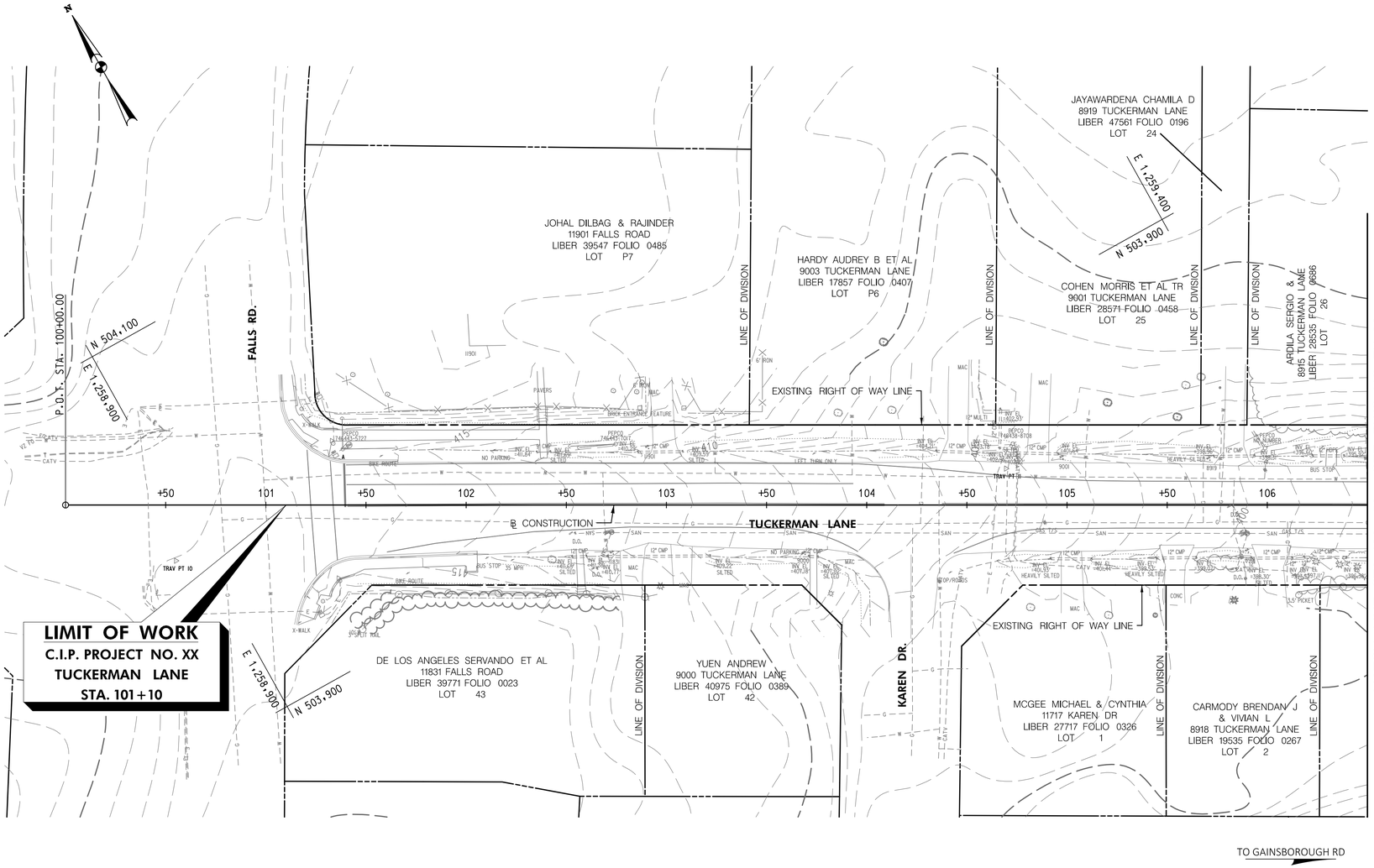
Chief, Division of Engineering Services — Date

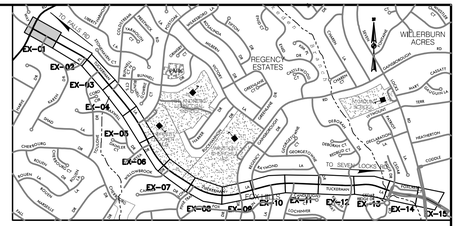
Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PC-01
POINT OF CROWN TABLE
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : N.T.S. 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 13 of 171





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
2. EXISTING UTILITIES WERE LOCATED BY MISS UTILITY IN XXX AND MARKINGS WERE SURVEYED BY CV IN XXX.
3. SEE ABBREVIATIONS AND GENERAL NOTES SHEET FOR LEGEND OF EXISTING FEATURES.

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

PROFESSIONAL CERTIFICATION

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MONTGOMERY COUNTY
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100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET EX-01
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 100+00 TO STA. 106+50

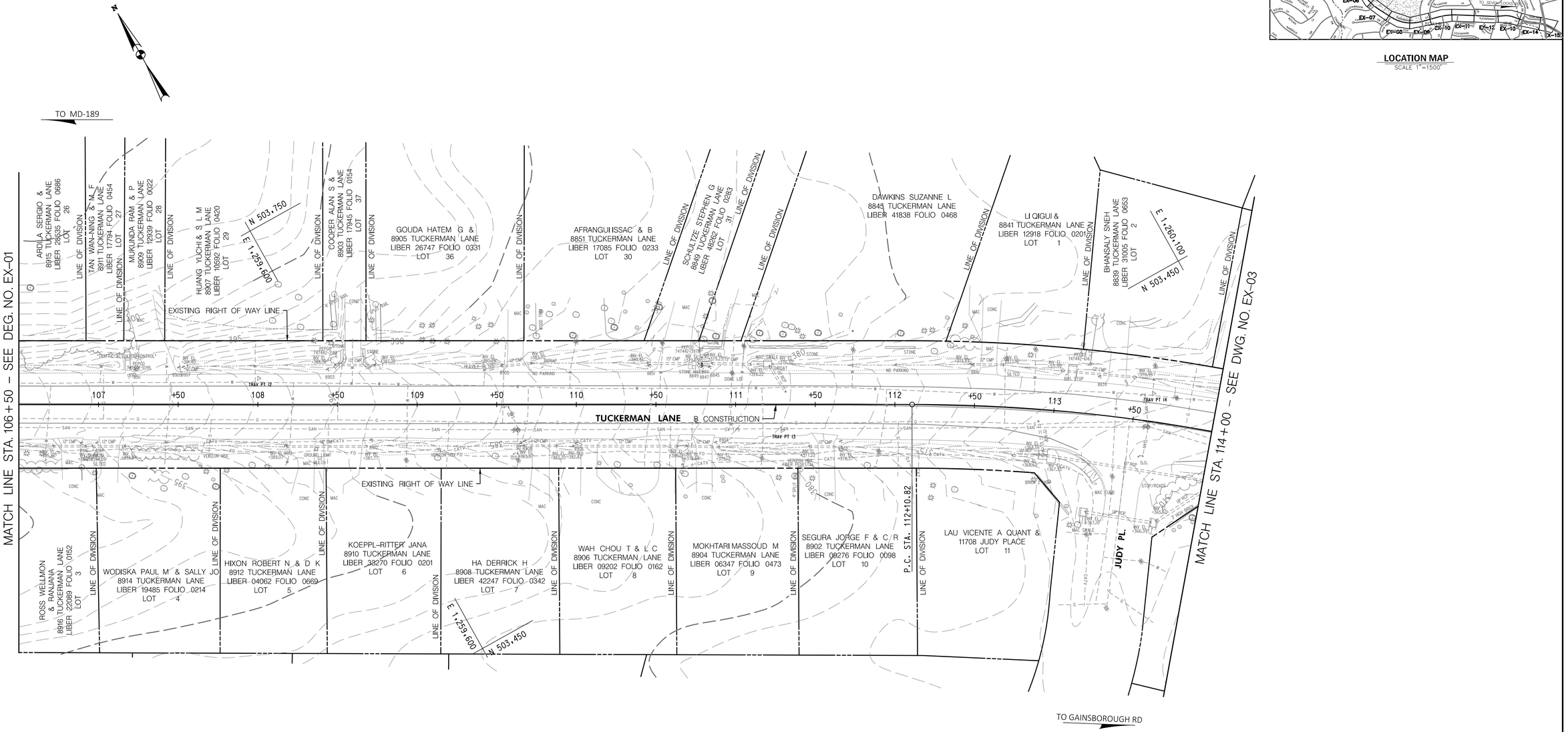
SCALE : 1"= 30' 09/2021

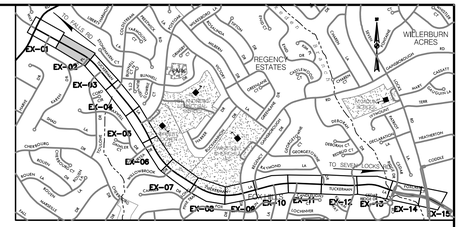
Project No. : C.I.P. PR. # 501744 SHEET 14 of 171

WALLACE MONTGOMERY
ENGINEERS-PLANNERS-SURVEYORS-CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pEX-E001_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

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

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MARK J. BODMANN MD NO-31487 EXP-03/18/2023
DATE 9/17-2021

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET EX-02
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 106+50 TO STA. 114+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 15 of 171

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
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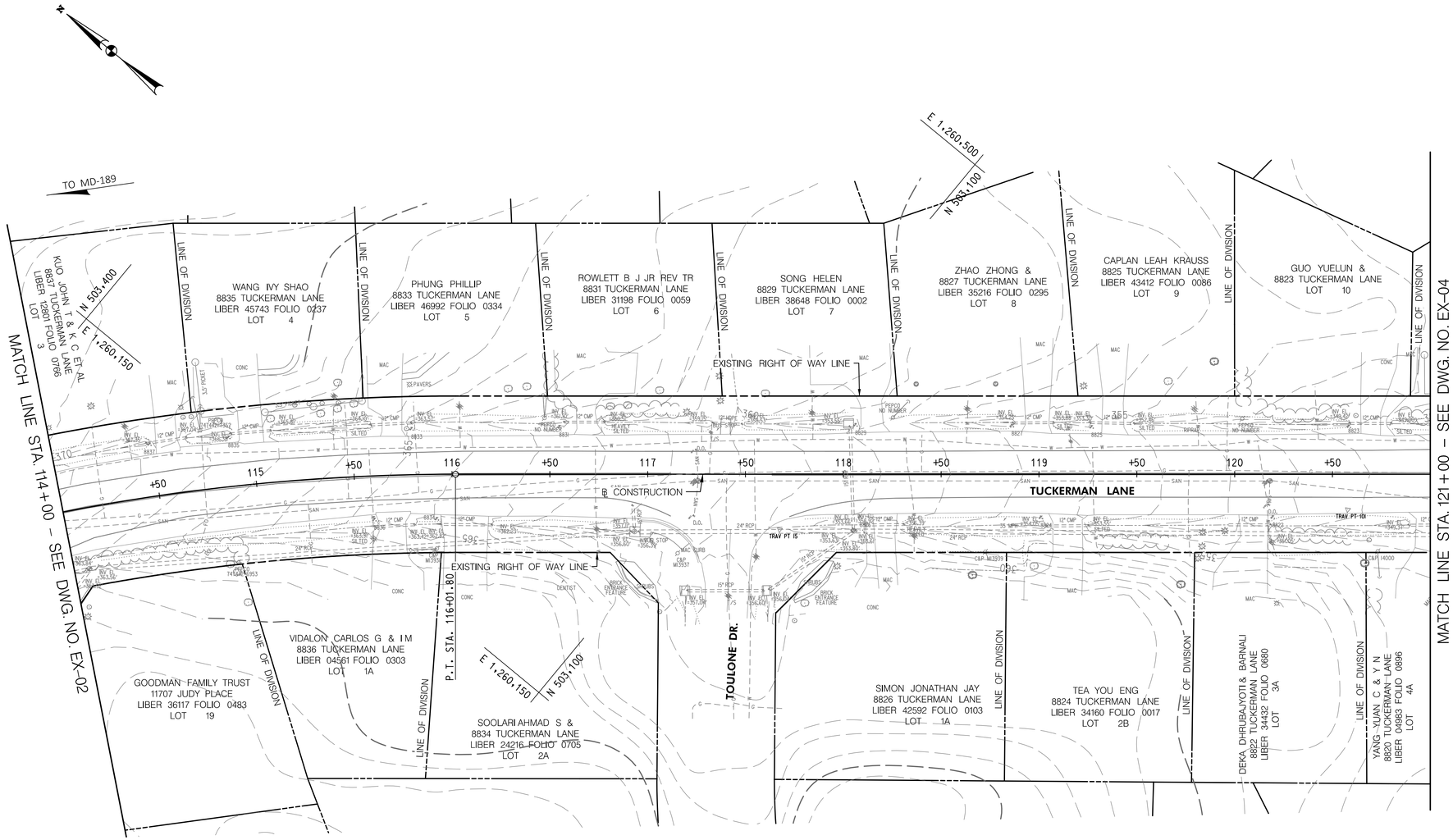
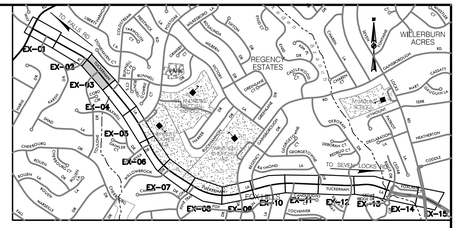
A Limited Liability Partnership

BY: nkern

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pEX-E002_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
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BY: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pEX-E003_Tuckerman.dgn

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

PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

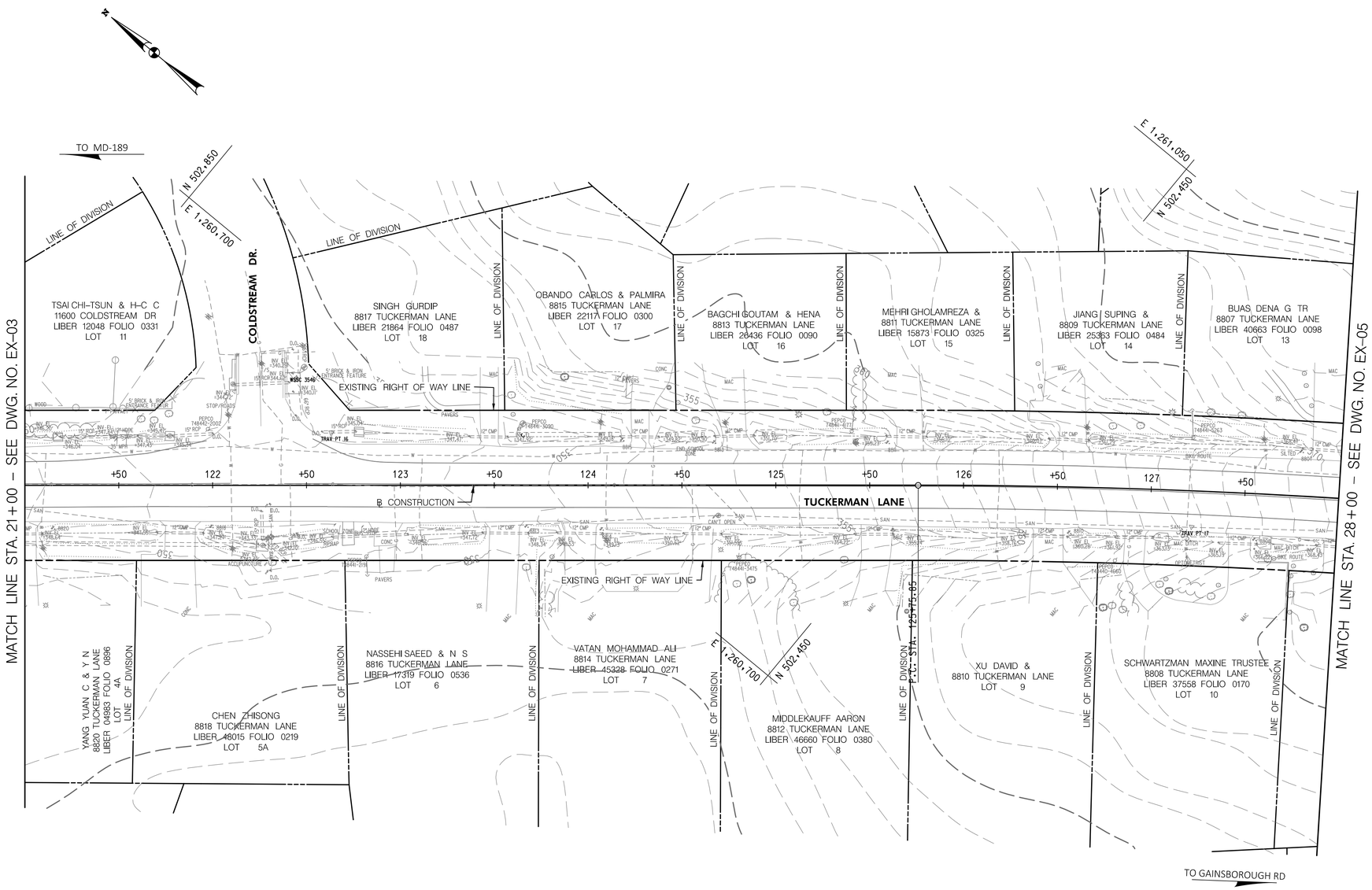
Chief, Division of Engineering Services — Date

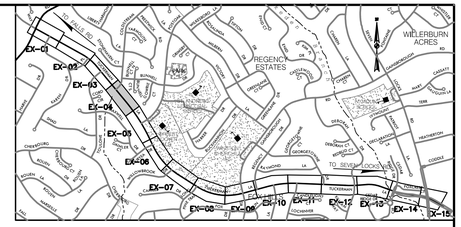
Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET EX-03
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 114+00 TO STA. 121+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 16 of 171





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
2. EXISTING UTILITIES WERE LOCATED BY MISS UTILITY IN XXX AND MARKINGS WERE SURVEYED BY CV IN XXX.
3. SEE ABBREVIATIONS AND GENERAL NOTES SHEET FOR LEGEND OF EXISTING FEATURES.

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

PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

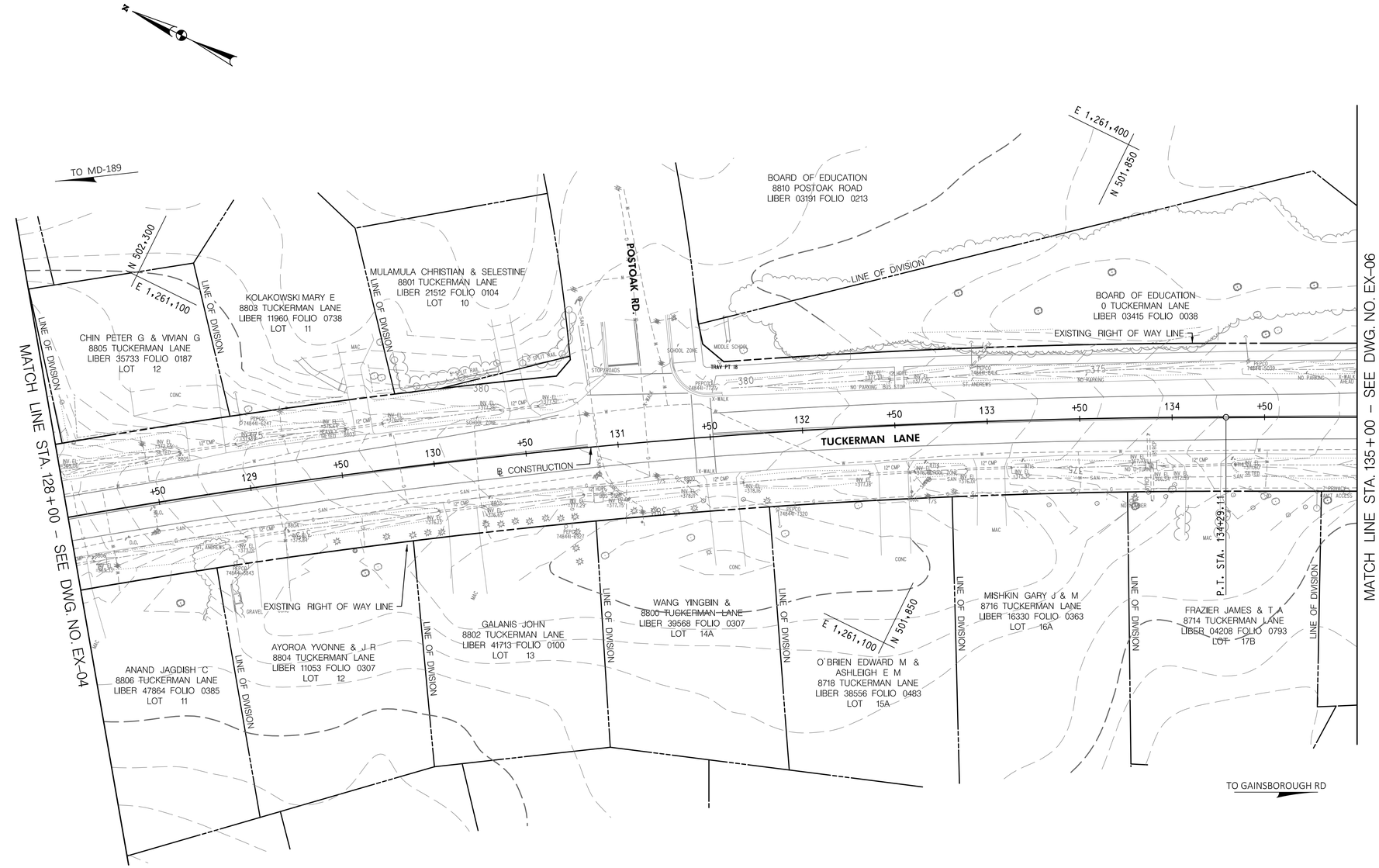
PLAN SHEET EX-04
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 121+00 TO STA. 128+00

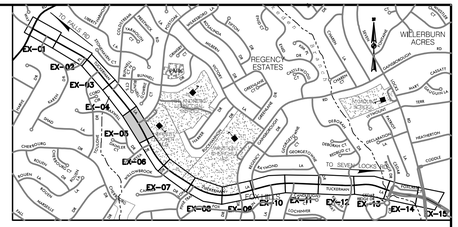
SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 17 of 171

BY: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pEX-E004_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
2. EXISTING UTILITIES WERE LOCATED BY MISS UTILITY IN XXX AND MARKINGS WERE SURVEYED BY CV IN XXX.
3. SEE ABBREVIATIONS AND GENERAL NOTES SHEET FOR LEGEND OF EXISTING FEATURES.

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

PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9-17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET EX-05
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 128+00 TO STA. 135+00

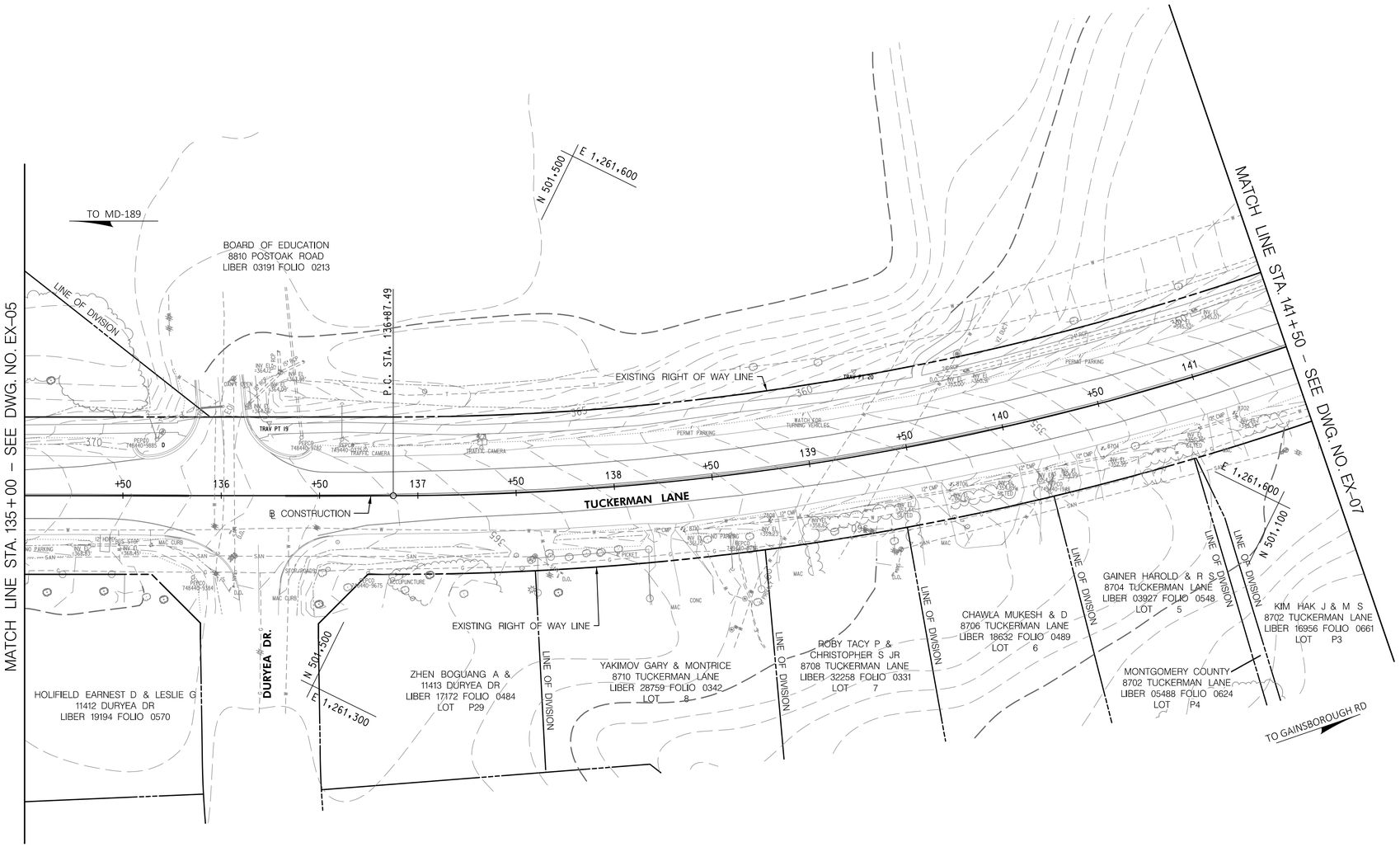
SCALE : 1"= 30' 09/2021

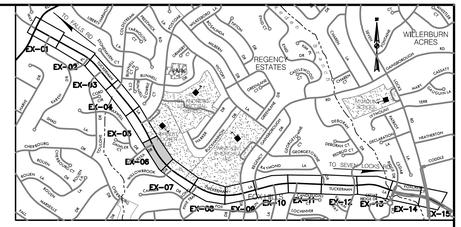
Project No. : C.I.P. PR. # 501744 SHEET 18 of 171

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pEX-E005_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
2. EXISTING UTILITIES WERE LOCATED BY MISS UTILITY IN XXX AND MARKINGS WERE SURVEYED BY CV IN XXX.
3. SEE ABBREVIATIONS AND GENERAL NOTES SHEET FOR LEGEND OF EXISTING FEATURES.

SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
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www.WallaceMontgomery.com
A Limited Liability Partnership

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

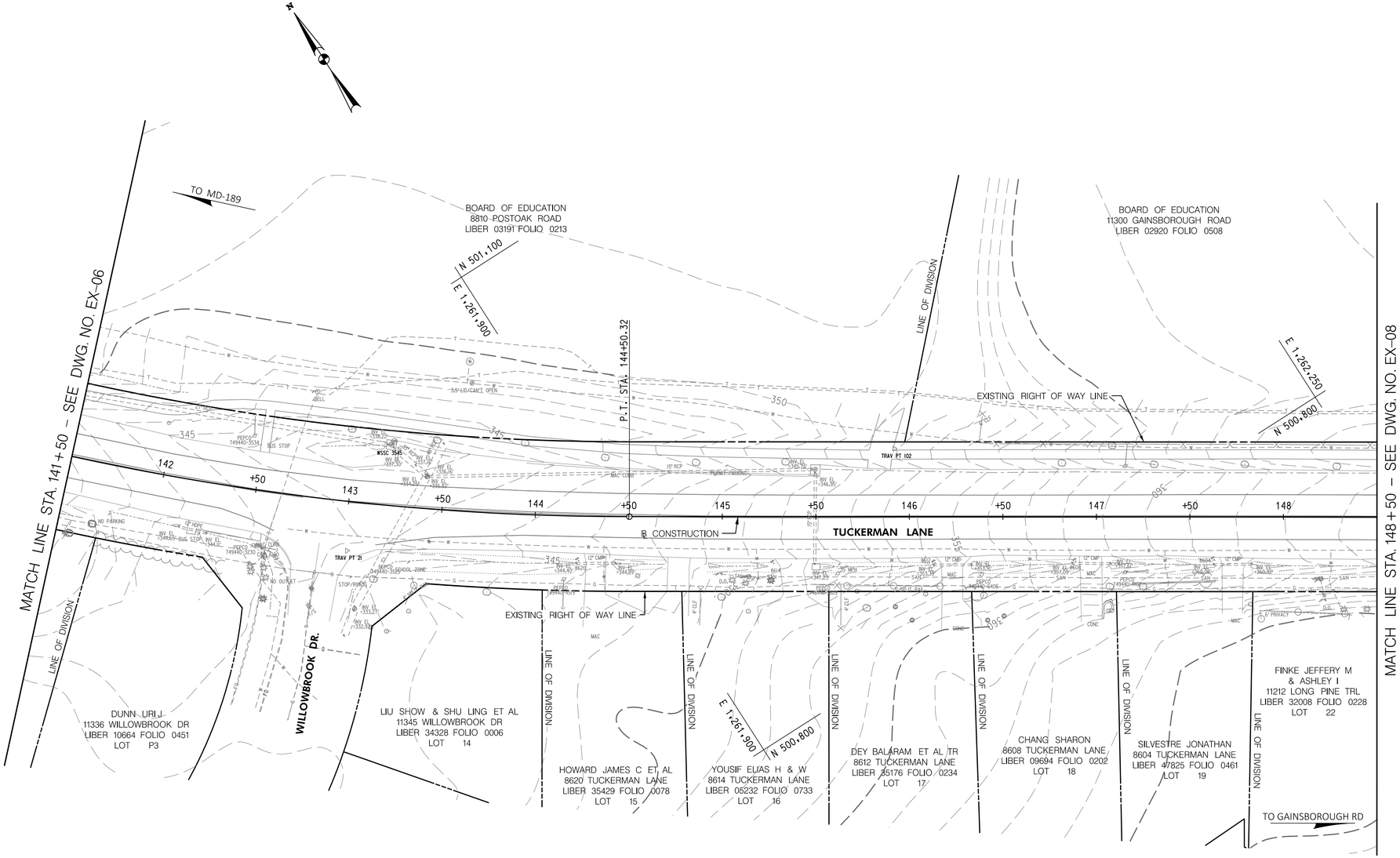
PLAN SHEET EX-06
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 135+00 TO STA. 141+50

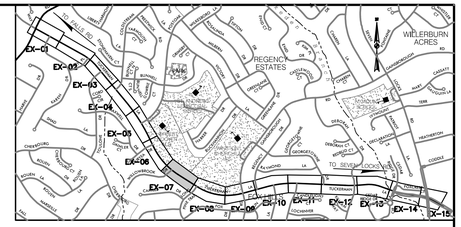
SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 19 of 171

BY:: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pEX-E006_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
2. EXISTING UTILITIES WERE LOCATED BY MISS UTILITY IN XXX AND MARKINGS WERE SURVEYED BY CV IN XXX.
3. SEE ABBREVIATIONS AND GENERAL NOTES SHEET FOR LEGEND OF EXISTING FEATURES.

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

PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023
DATE: 9/17-2021

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: nkern –

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

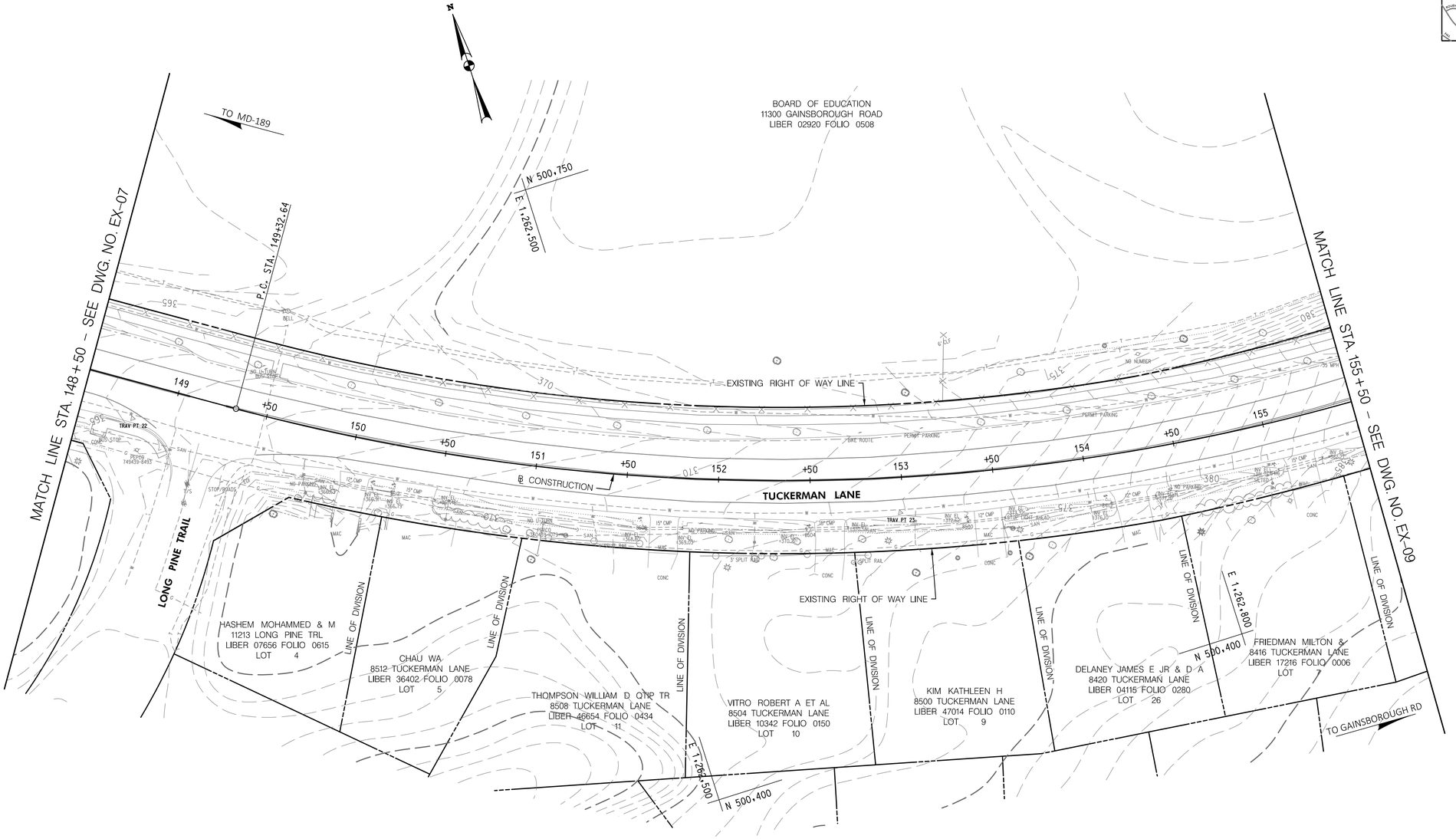
Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

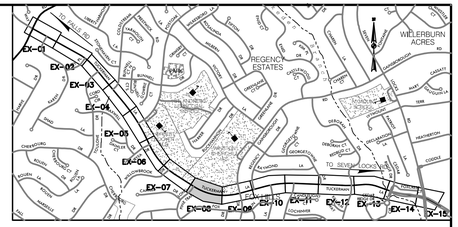
PLAN SHEET EX-07
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 141+50 TO STA. 148+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 20 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pEX-E007_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
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30' 0 30' 60'
SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION

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. 31487, EXPIRATION DATE: 03/18/2023.

MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
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A Limited Liability Partnership

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

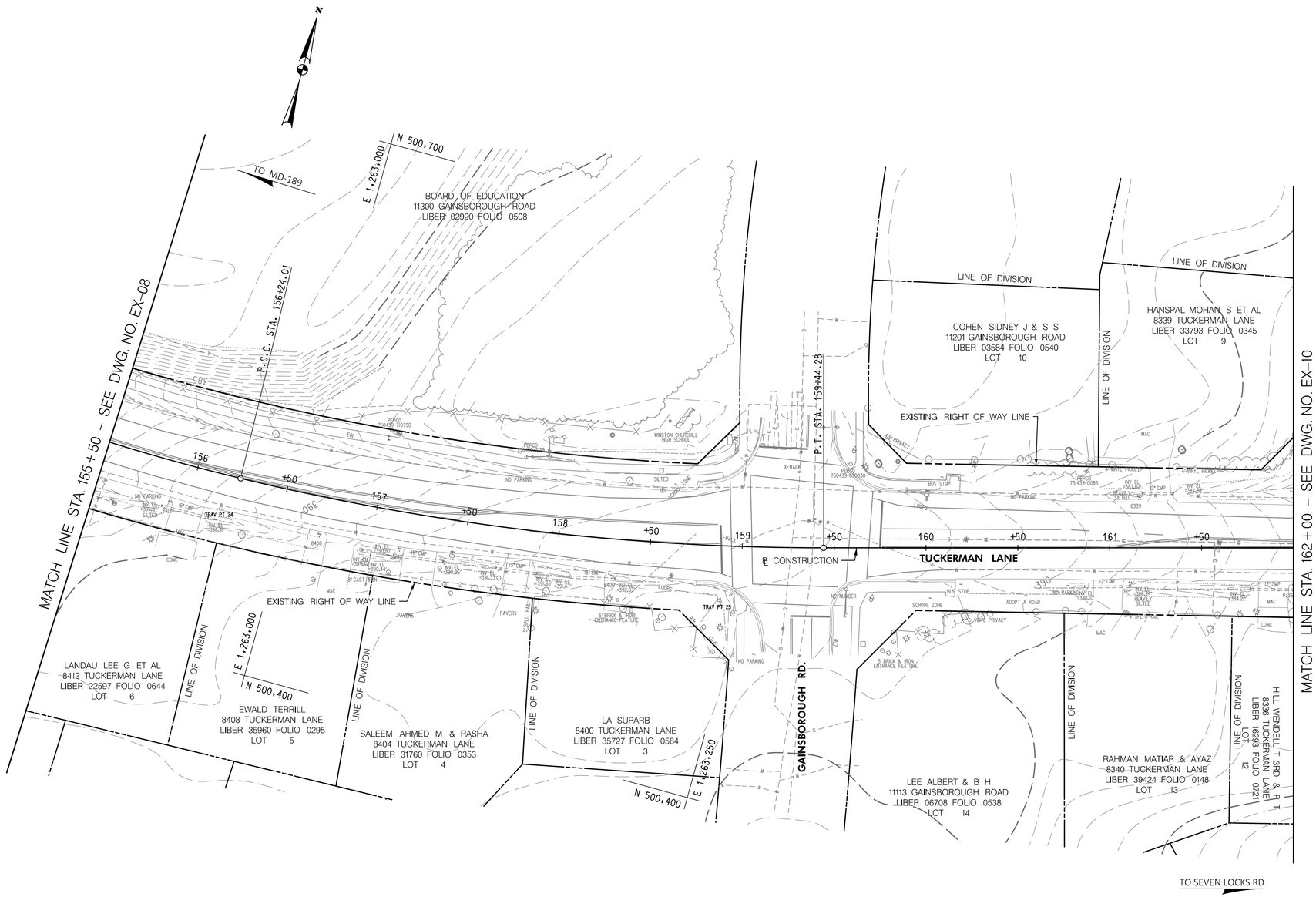
PLAN SHEET EX-08
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 148+50 TO STA. 155+50

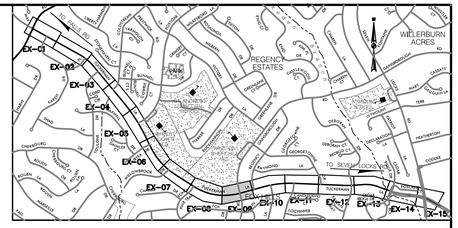
SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 21 of 171

BY: nkern

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pEX-E008_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
2. EXISTING UTILITIES WERE LOCATED BY MISS UTILITY IN XXX AND MARKINGS WERE SURVEYED BY CV IN XXX.
3. SEE ABBREVIATIONS AND GENERAL NOTES SHEET FOR LEGEND OF EXISTING FEATURES.

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

PROFESSIONAL CERTIFICATION

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
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMAN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9-17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET EX-09
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 155+50 TO STA. 162+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 22 of 171

WALLACE MONTGOMERY
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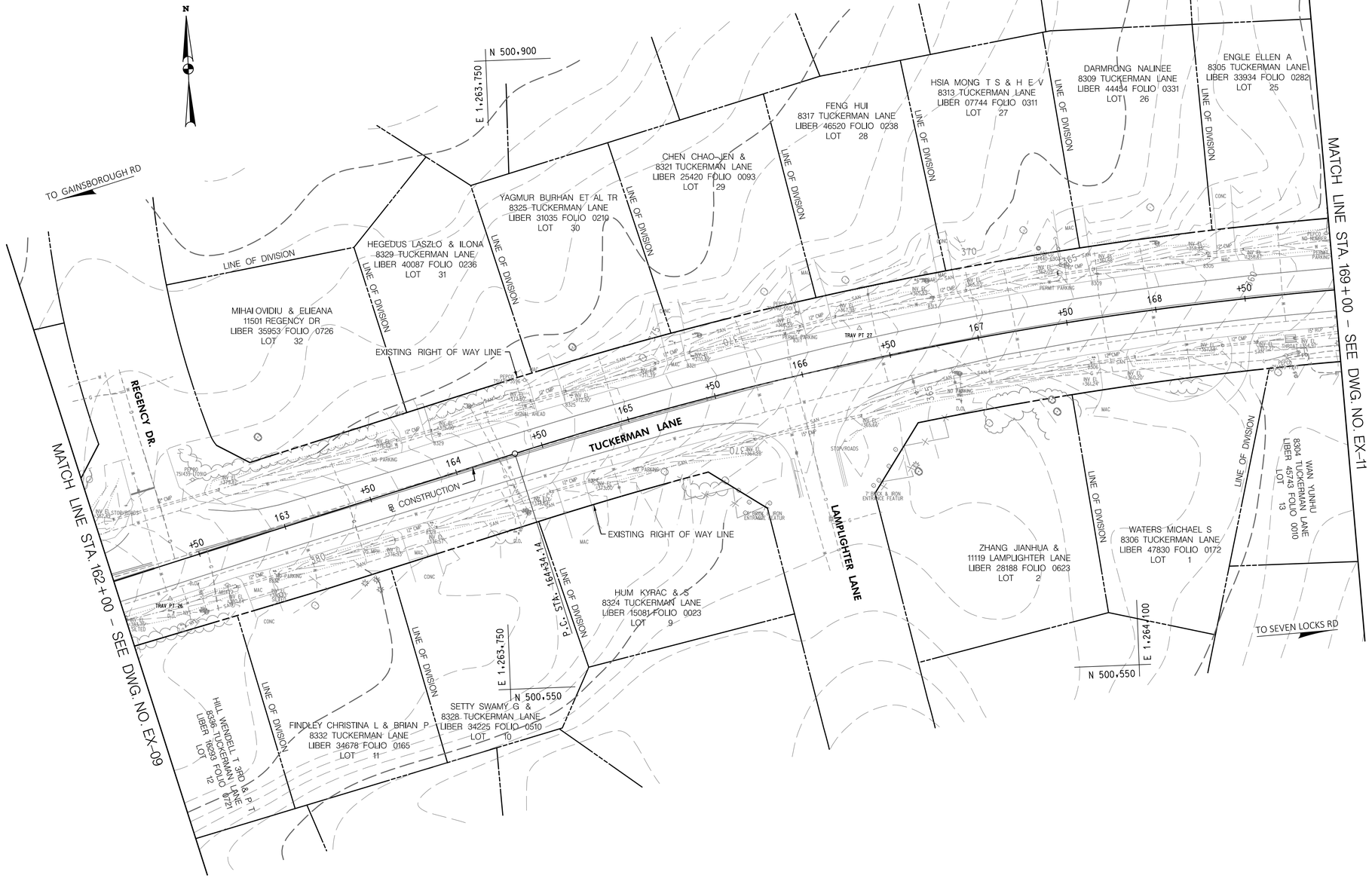
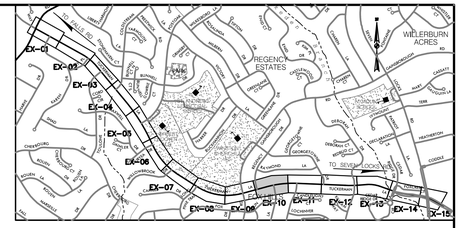
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pEX-E009_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
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30' 0 30' 60'
SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS-PLANNERS-SURVEYORS-CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership
BY: nkern –

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

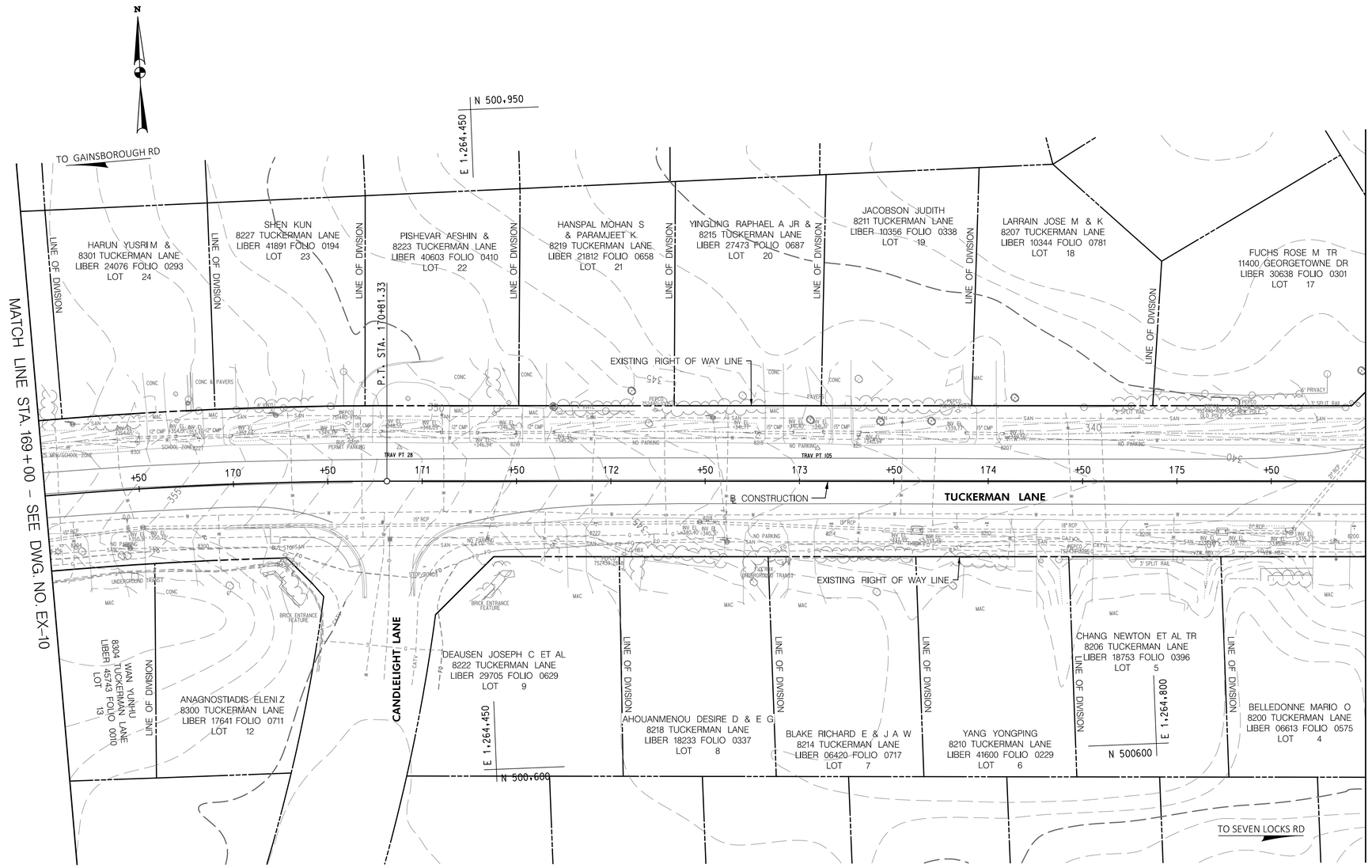
Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

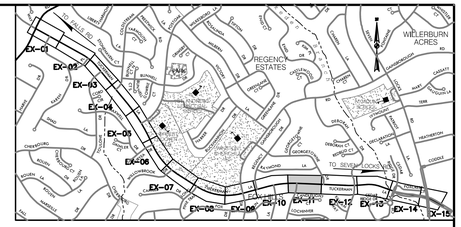
PLAN SHEET EX-10
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 162+00 TO STA. 169+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 23 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pEX-E010_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
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30' 0 30' 60'
SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9-17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
A Limited Liability Partnership

BY: nkern –

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

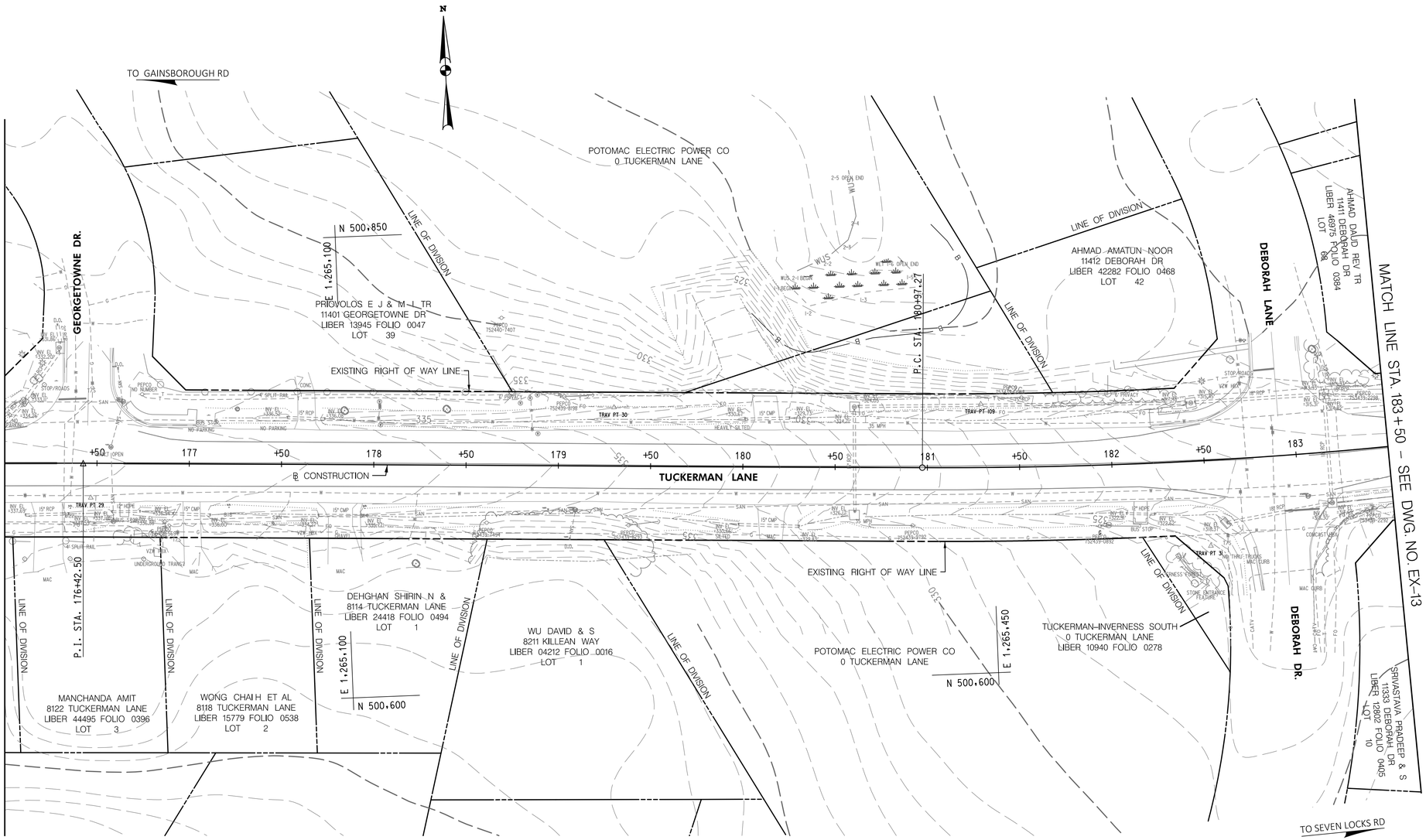
Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

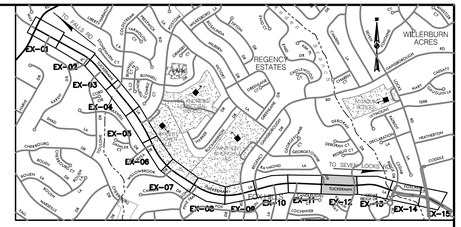
PLAN SHEET EX-11
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 169+00 TO STA. 176+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 24 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pEX-E011_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
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30' 0 30' 60'
SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/10/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE: 7-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS·PLANNERS·SURVEYORS·CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
A Limited Liability Partnership

BY: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pEX-E012_Tuckerman.dgn

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

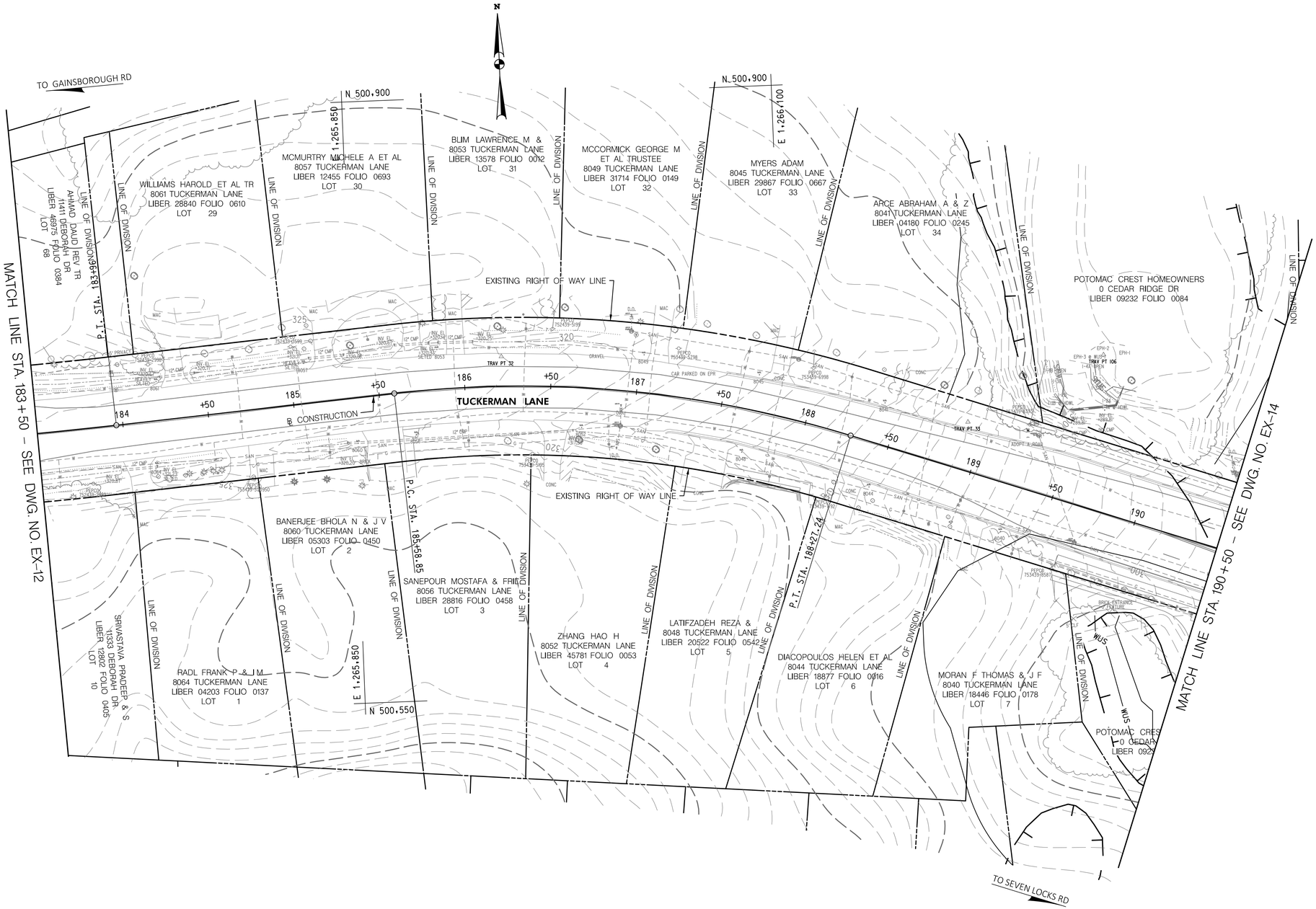
Chief, Division of Engineering Services — Date

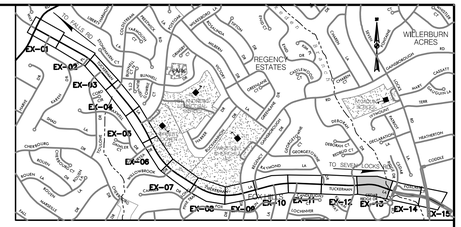
Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET EX-12
EXISTING CONDTION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 176+00 TO STA. 183+50

SCALE : 1"= 30 — 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 25 of 171





LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
2. EXISTING UTILITIES WERE LOCATED BY MISS UTILITY IN XXX AND MARKINGS WERE SURVEYED BY CV IN XXX.
3. SEE ABBREVIATIONS AND GENERAL NOTES SHEET FOR LEGEND OF EXISTING FEATURES.

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

PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET EX-13
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 183+50 TO STA. 190+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 26 of 171

WALLACE MONTGOMERY
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Hunt Valley, Maryland 21030
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BY: nkern –

PLOTTED: 9/17/2021
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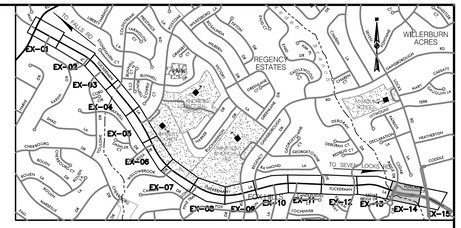

LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
2. EXISTING UTILITIES WERE LOCATED BY MISS UTILITY IN XXX AND MARKINGS WERE SURVEYED BY CV IN XXX.
3. SEE ABBREVIATIONS AND GENERAL NOTES SHEET FOR LEGEND OF EXISTING FEATURES.

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

PROFESSIONAL CERTIFICATION

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MARK J. BOOMANN MD NO-31487 EXP-03/18/2023
DATE 9/17/2021

SEAL
STATE OF MARYLAND
MARK J. BOOMANN
No. 31487
PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET EX-14
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 191+00 TO STA. 197+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 27 of 171

WALLACE MONTGOMERY
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BY: nkern –

PLOTTED: 9/17/2021
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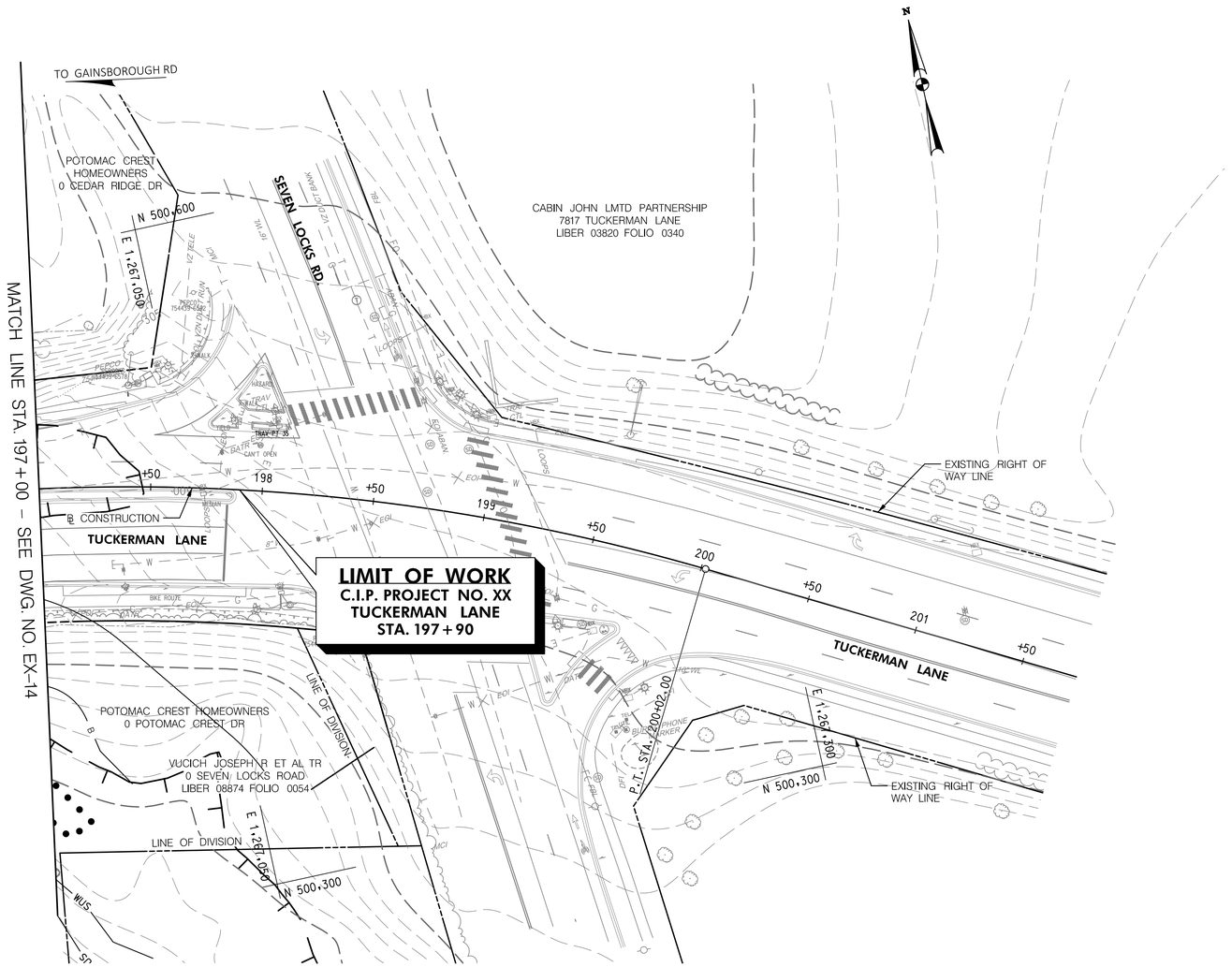

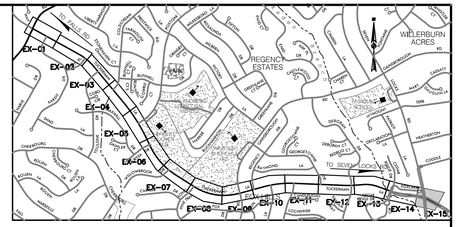

LOCATION MAP
SCALE 1"=1500'

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY WILSON T. BALLARD IN XXX, WITH SUPPLEMENTAL SURVEYS COMPLETED BY WALLACE MONTGOMERY IN JUNE 2021.
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3. SEE ABBREVIATIONS AND GENERAL NOTES SHEET FOR LEGEND OF EXISTING FEATURES.

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

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MARK J. BODMANN MD NO-31487 EXP-03/10/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

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BY: nkern –

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET EX-15
EXISTING CONDITION PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 197+00 TO STA. 201+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 28 of 171

PLOTTED: 9/17/2021
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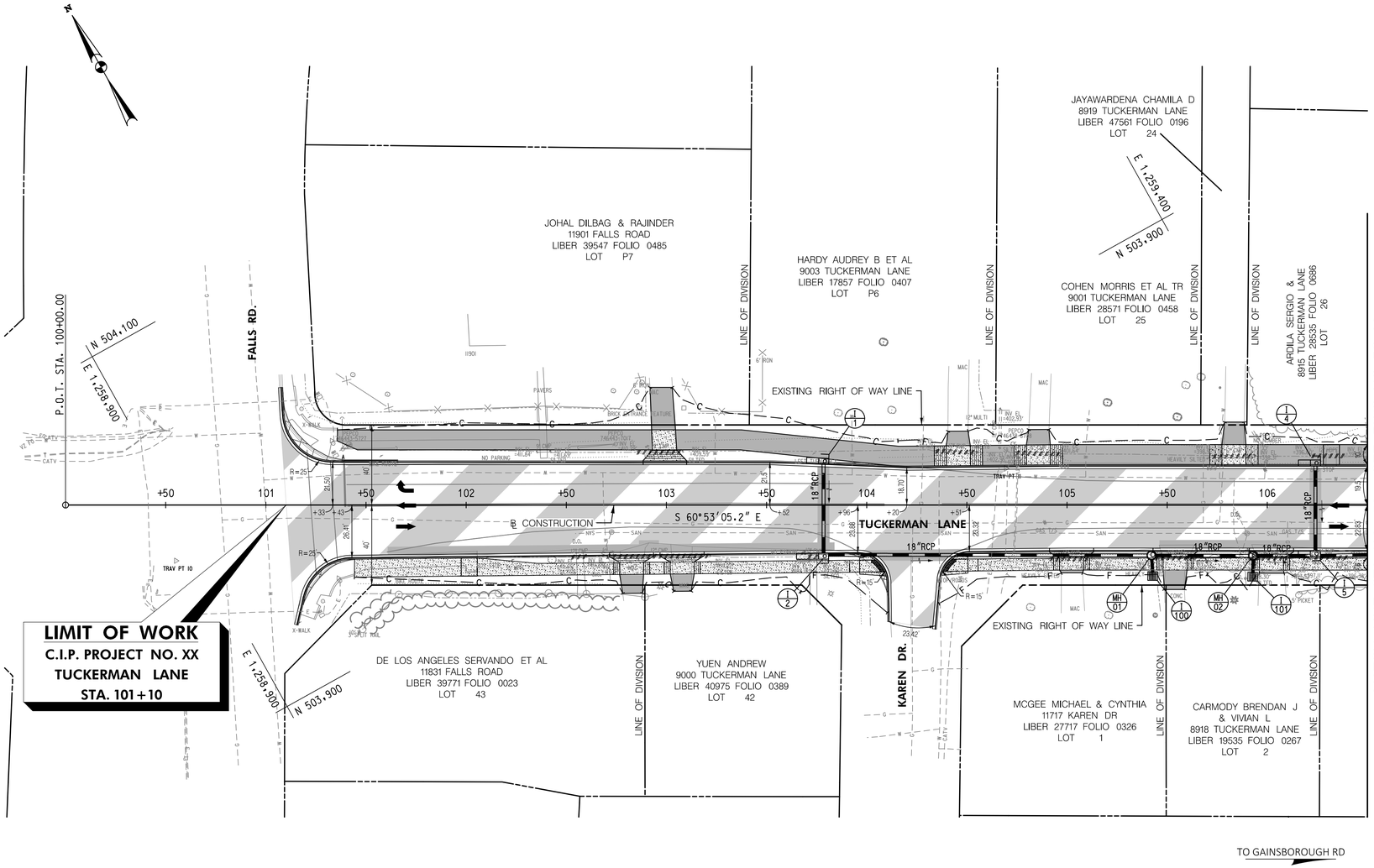

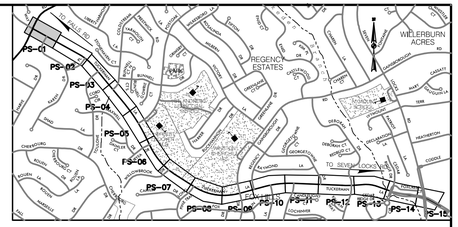

LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8' MIN. DEPTH (MC-100.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MC-701.01)	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

4 INCH CONCRETE SIDEWALK	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION	
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)	
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:
1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.

2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.

3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

THIS PLAN IS UNDER CONSTRUCTION

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, STORM DRAIN SYMBOLS, END SECTION, STD. MANHOLE, ENDWALL

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

PROFESSIONAL CERTIFICATION
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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
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410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
A Limited Liability Partnership

BY: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHD-P001_Tuckerman.dgn

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

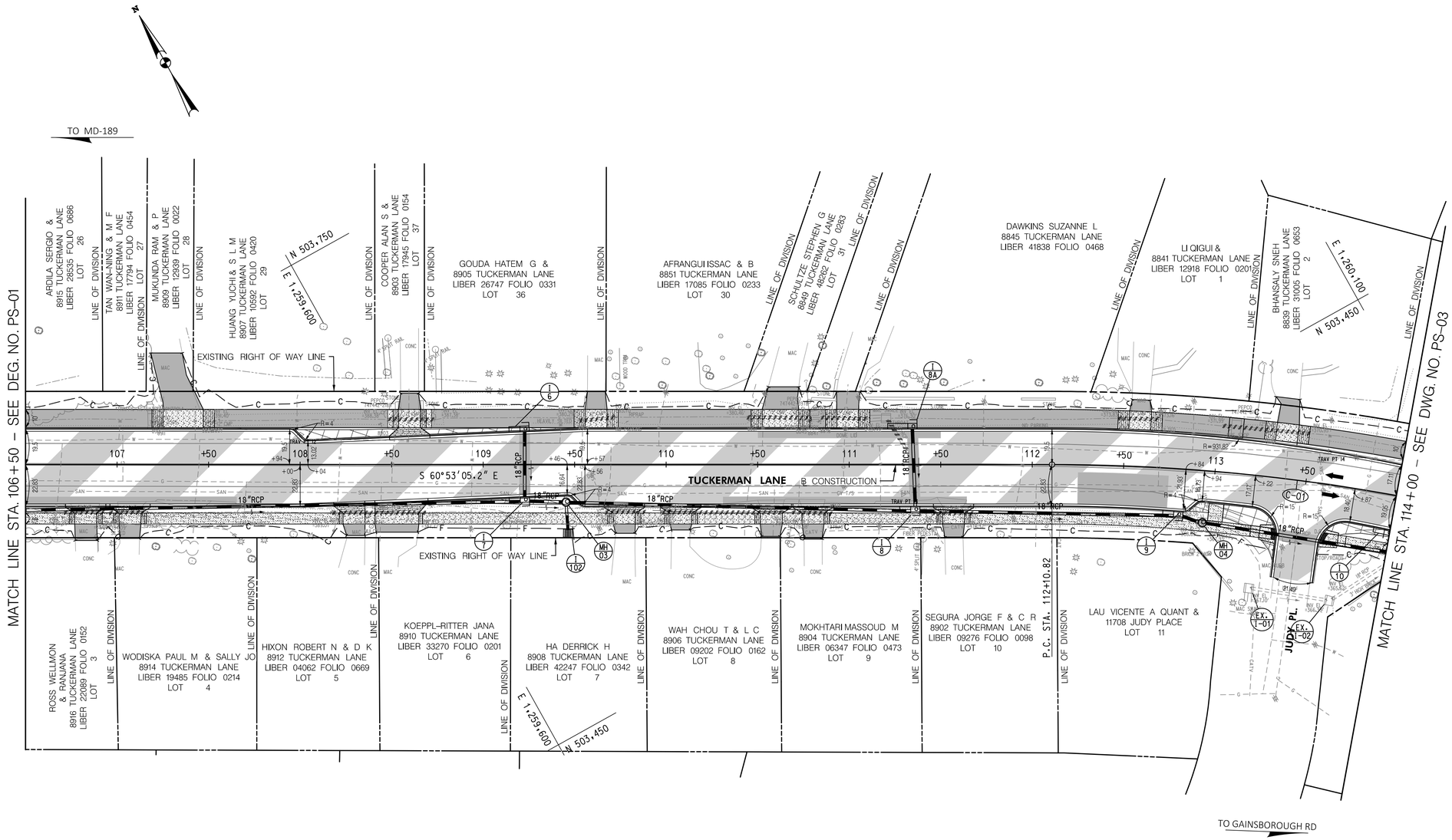
RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

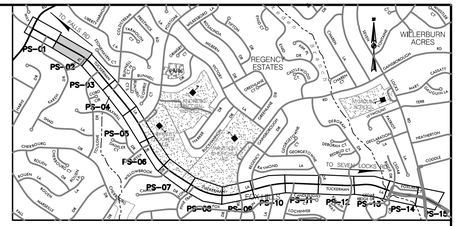
Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-01
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 100+00 TO STA. 106+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 29 of 171





LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8' MIN. DEPTH (MC-100.01)

XX L.F. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)

XX L.F. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MD 701.01)

XX S.Y. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT

XX C.Y. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY

XX C.Y. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE

XX L.F. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH CONCRETE SIDEWALK

XX S.F. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F. TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION

TUCKERMAN LANE - STA. XX+XX, XX. MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX. MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX. MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)

XX S.F. TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F. TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F. TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:
1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.
2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.
3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

NOT UNDER CONSTRUCTION

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — C — TOP OF CUT
- F — F — TOE OF FILL
- WETLAND
- B — B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 Ⓑ CONSTRUCTION
- PIPE, INLET, STORM DRAIN SYMBOLS, END SECTION, STD. MANHOLE, ENDWALL

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

PROFESSIONAL CERTIFICATION
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MARK J. BODMANN MD NO-31487 EXP-03/10/2023
DATE 9/17/2021

SEAL — STATE OF MARYLAND · MARK J. BODMANN · No. 31487 · PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

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WALLACE MONTGOMERY
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GAITHERSBURG, MD 20878

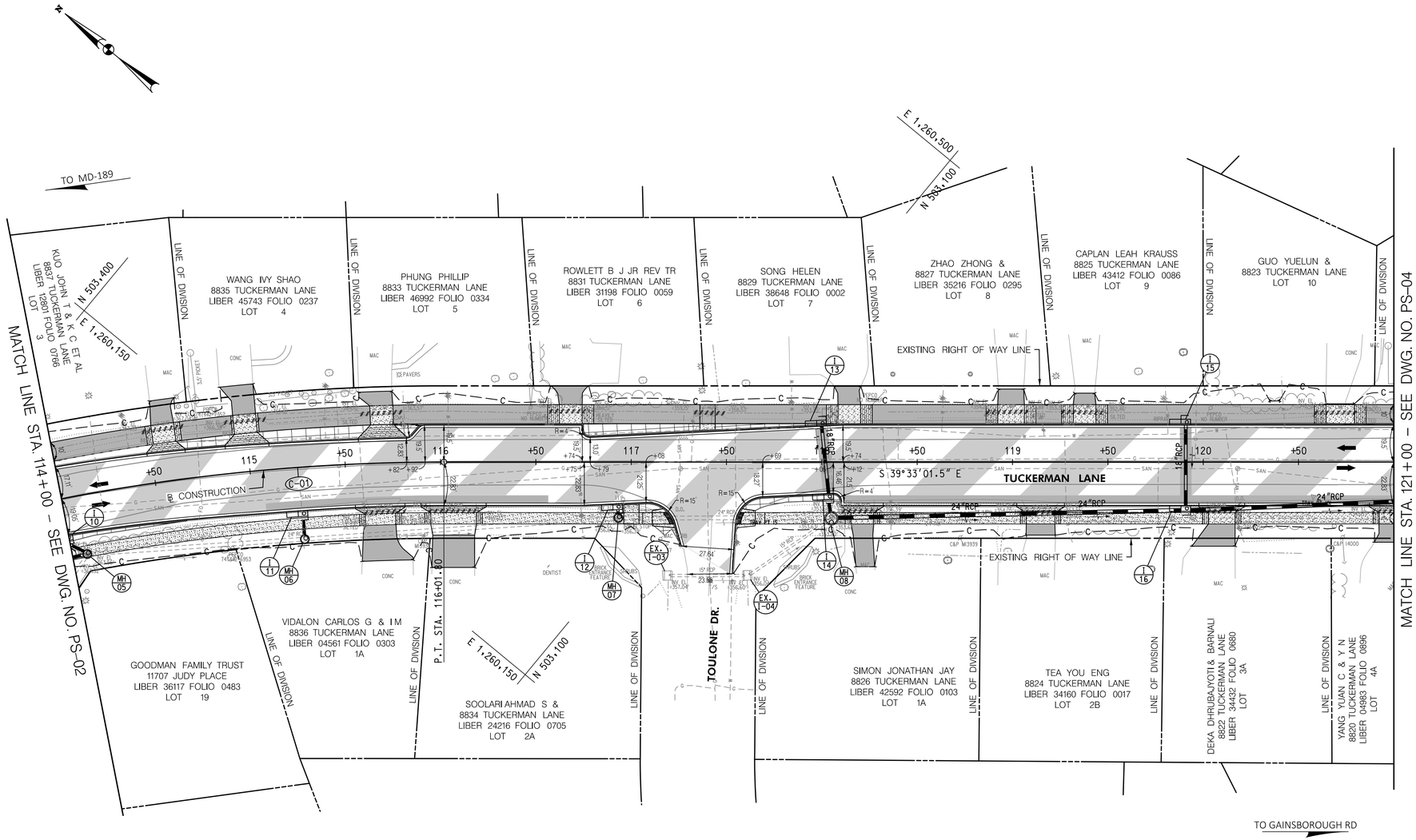
RECOMMENDED FOR APPROVAL
Chief, Design Section Date
APPROVED
Chief, Division of Engineering Services Date

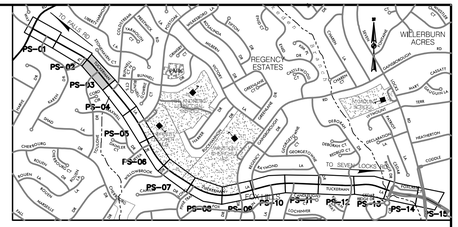
Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-02
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 106+50 TO STA. 114+00

SCALE : 1"= 30' 09/2021
Project No. : C.I.P. PR. # 501744 SHEET 30 of 171

BY: nkern –
PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHD-P002_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8" MIN. DEPTH (MC-100.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MC-701.01)	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

4 INCH CONCRETE SIDEWALK	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION	
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)	
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:
1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.

2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.

3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

UTILITIES UNDER CONSTRUCTION

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, STORM DRAIN SYMBOLS, END SECTION, STD. MANHOLE, ENDWALL

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

PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL — STATE OF MARYLAND — MARK J. BODMANN — No. 31487 — PROFESSIONAL ENGINEER

DATE: 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
A Limited Liability Partnership

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-03
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 114+00 TO STA. 121+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 31 of 171

BY: nkern –

PLOTTED: 9/17/2021
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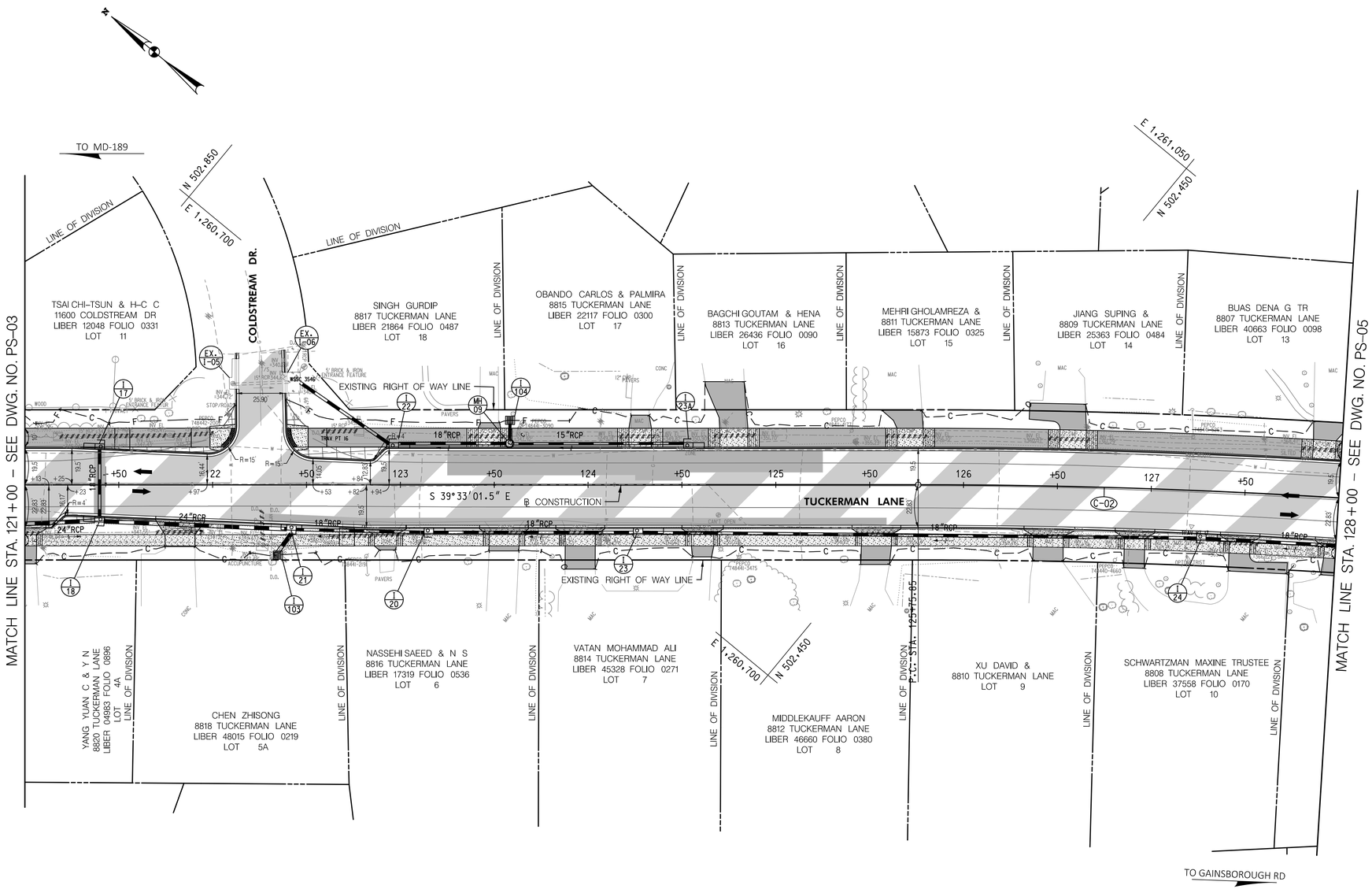

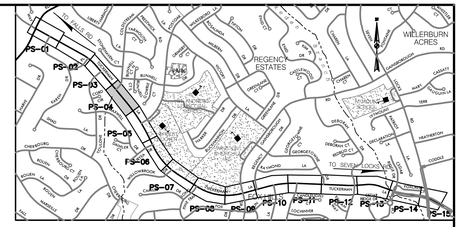

LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8' MIN. DEPTH (MC-100.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MC-701.01)	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

4 INCH CONCRETE SIDEWALK	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION	
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)	
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:
1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.

2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.

3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

UTILITIES UNDER CONSTRUCTION

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

PROFESSIONAL CERTIFICATION
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MARK J. BODMANN MD NO-31487 EXP-03/18/2023
DATE: 9/17-2021

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

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410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHD-P004_Tuckerman.dgn

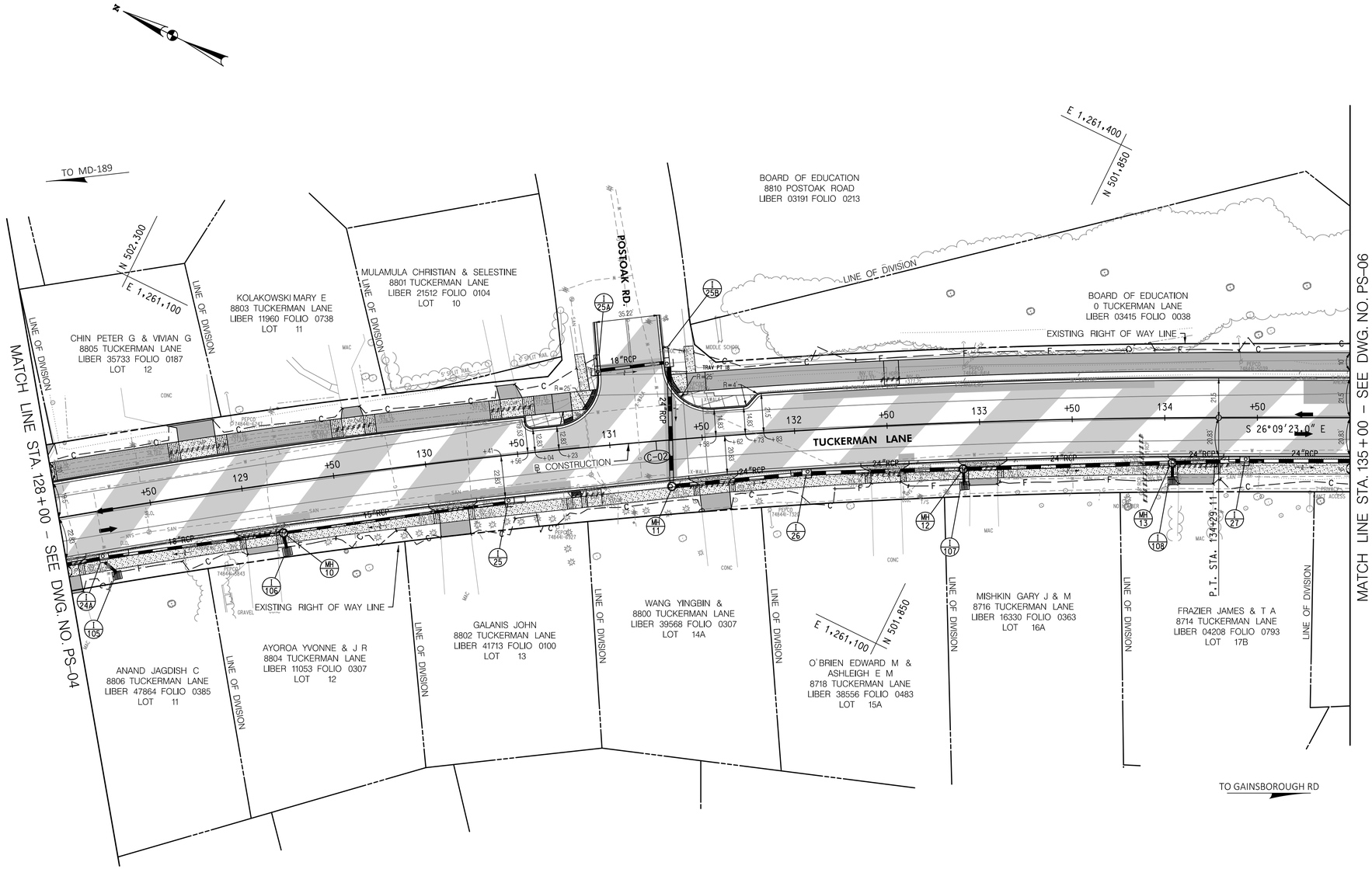
MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

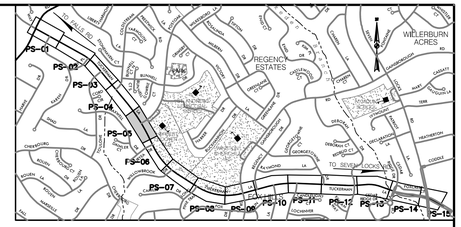
RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-04
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 121+00 TO STA. 128+00
SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 32 of 171





LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8" MIN. DEPTH (MC-100.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MC-701.01)	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

4 INCH CONCRETE SIDEWALK	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION		
	TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
	TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
	TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)	
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:
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3. FOR LANE WIDTHS REFER TO TYPICAL SECTION TS-01 TO TS-03.

THIS IS UNDER CONSTRUCTION

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, STORM DRAIN SYMBOLS, END SECTION, STD. MANHOLE, ENDWALL

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

PROFESSIONAL CERTIFICATION
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MARK J. BODMANN MD NO-31487 EXP-03/18/2023
DATE: 9-17-2021

SEAL: STATE OF MARYLAND · MARK J. BODMANN · No. 31487 · PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

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A Limited Liability Partnership

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-05
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 128+00 TO STA. 135+00
SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 33 of 171

BY: nkern –
PLOTTED: 9/17/2021
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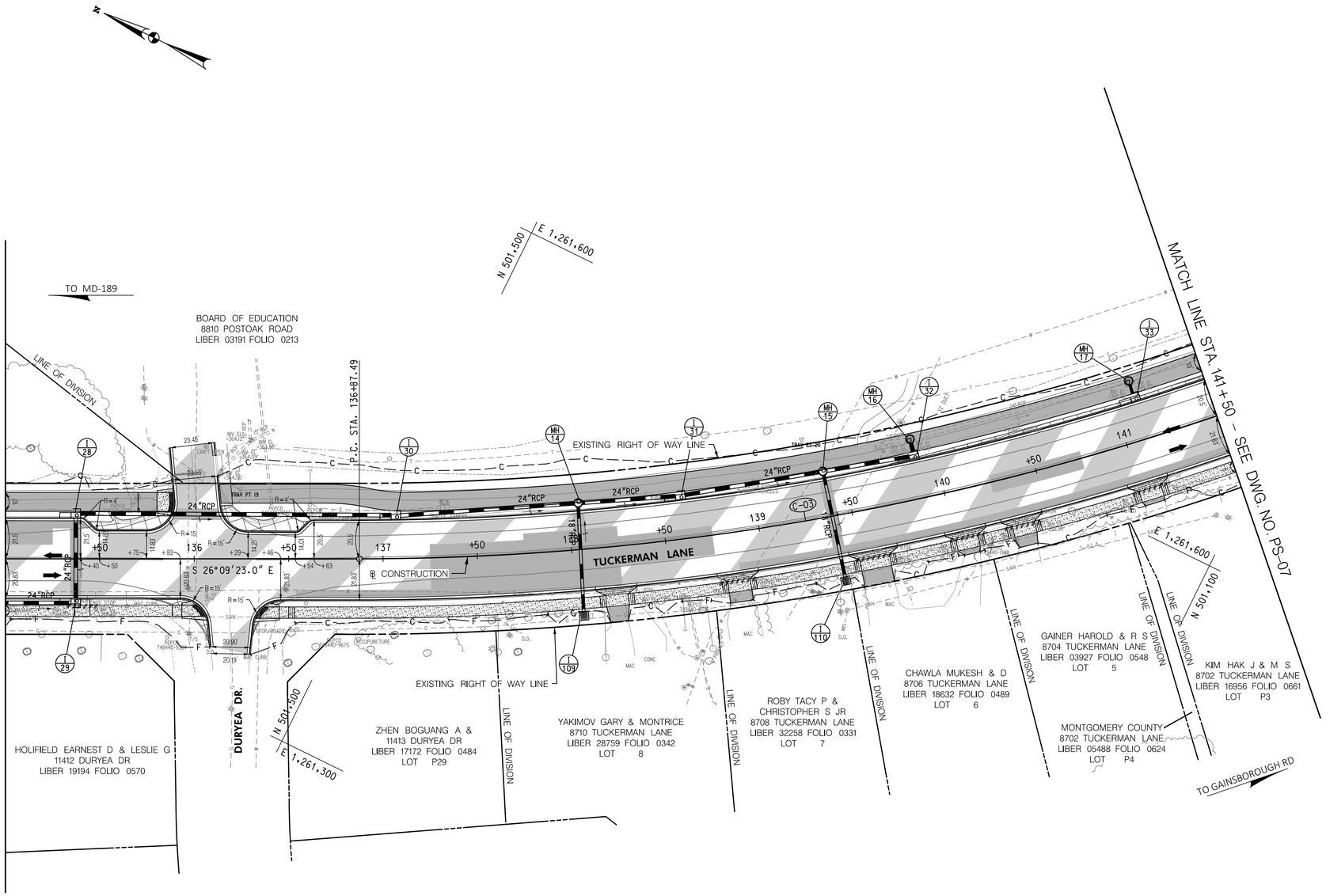

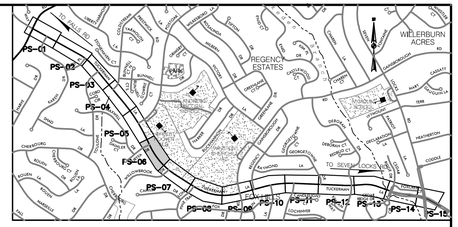

LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8' MIN. DEPTH (MC-100.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MC-701.01)	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

4 INCH CONCRETE SIDEWALK	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION	
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)	
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:
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2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.
3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

THIS IS NOT A CONSTRUCTION DRAWING

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, STORM DRAIN SYMBOLS, END SECTION, STD. MANHOLE, ENDWALL

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

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MARK J. BODMANN MD NO-31487 EXP-03/18/2023
DATE: 9/17/2021

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

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BY: nkern –

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-06
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 135+00 TO STA. 141+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 34 of 171

PLOTTED: 9/17/2021
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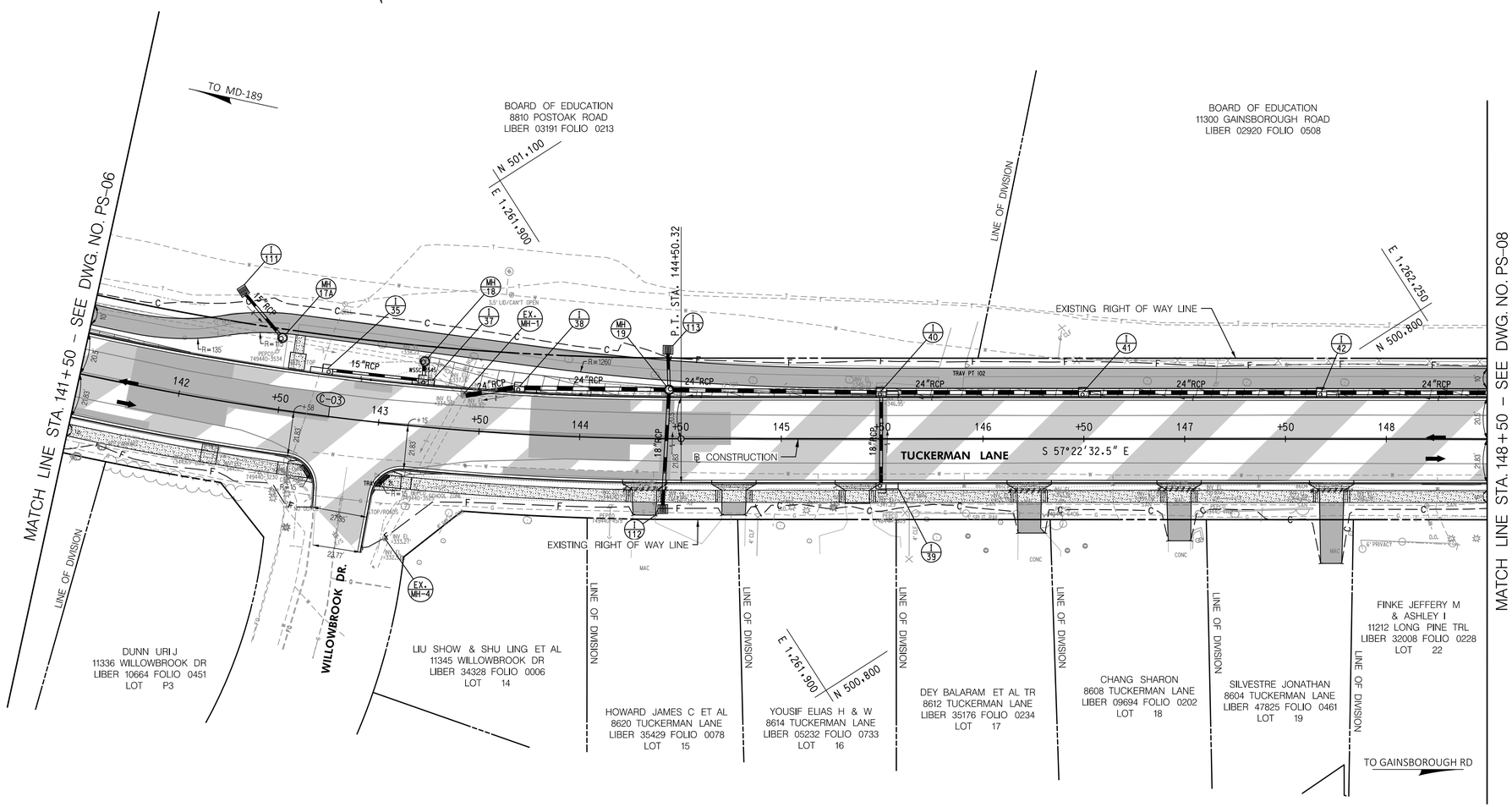

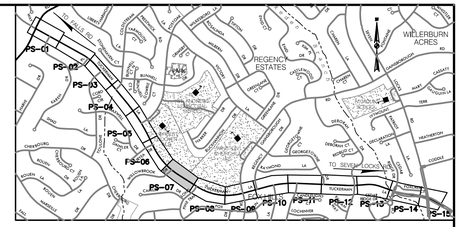

LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8' MIN. DEPTH (MC-100.01)

XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)

XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MD 701.01)

XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT

XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY

XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE

XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

4 INCH CONCRETE SIDEWALK

XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION

TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)

XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:
1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.
2. FOR LANE WIDTHS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.
3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

NOT FOR CONSTRUCTION
THIS PLAN IS UNDER REVIEW

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, STORM DRAIN SYMBOLS, END SECTION, STD. MANHOLE, ENDWALL

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

PROFESSIONAL CERTIFICATION
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.
MARK J. BODMANN MD NO-31487 EXP-03/10/2023
DATE 9/17-2021

SEAL — STATE OF MARYLAND · MARK J. BODMANN · No. 31487 · PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-07
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 141+50 TO STA. 148+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 35 of 171

BY: nkern –
PLOTTED: 9/17/2021
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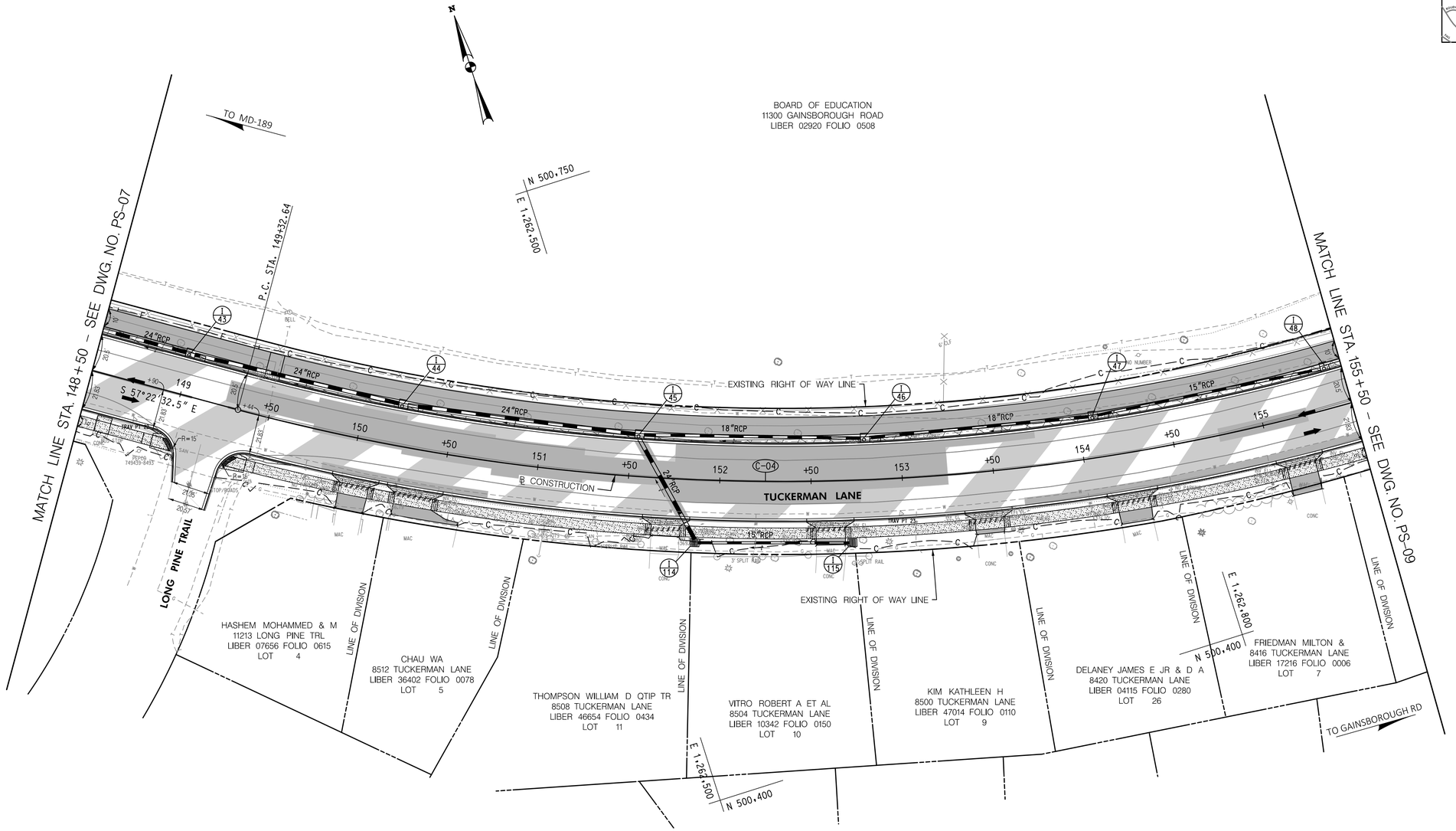

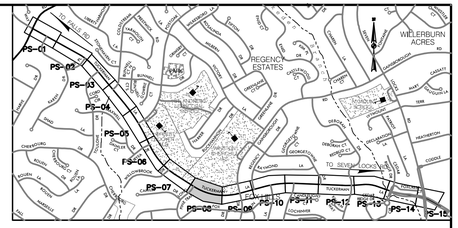

LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8' MIN. DEPTH (MC-100.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MC-701.01)	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

4 INCH CONCRETE SIDEWALK	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION	
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)	
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:
1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.

2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.

3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

NOTICE TO CONTRACTORS
UTILITIES UNDER CONSTRUCTION

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, END SECTION, STD. MANHOLE, STORM DRAIN SYMBOLS, ENDWALL

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

PROFESSIONAL CERTIFICATION
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MARK J. BODMANN MD NO-31487 EXP-03/16/2023
DATE: 9/17-2021

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
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MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-08
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 148+50 TO STA. 155+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 36 of 171

BY: nkern

PLOTTED: 9/17/2021
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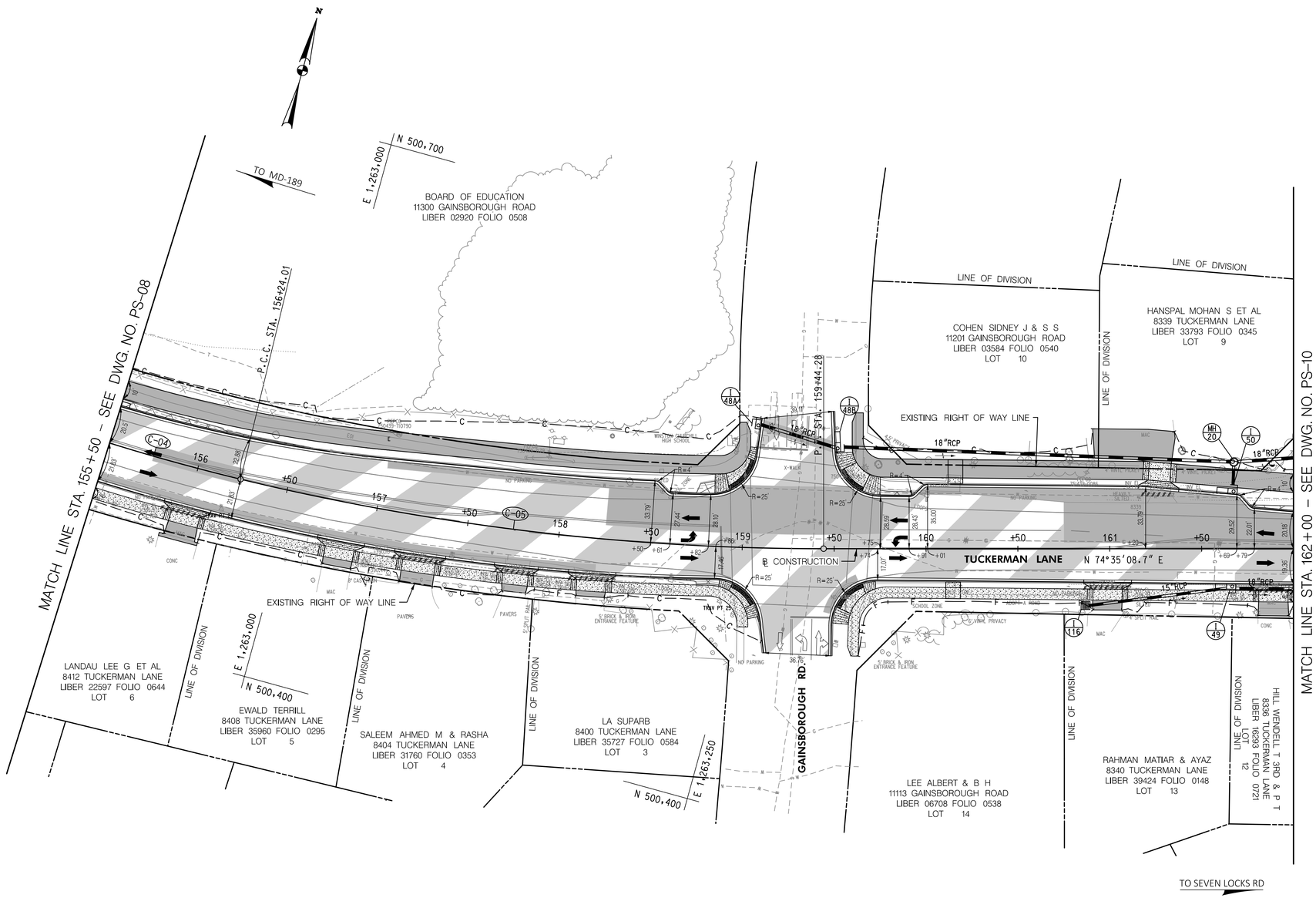

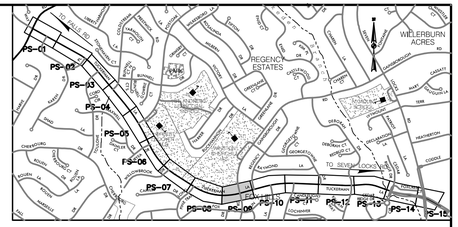

LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8' MIN. DEPTH (MC-100.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MC-610.01)	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH CONCRETE SIDEWALK	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION		
TUCKERMAN LANE - STA. XX+XX, XX.		MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.		MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.		MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)	
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:
1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.
2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.
3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

THIS PLAN IS UNDER CONSTRUCTION

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, STORM DRAIN SYMBOLS, END SECTION, STD. MANHOLE, ENDWALL

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

PROFESSIONAL CERTIFICATION
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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023
DATE: 9-17-2021

SEAL: STATE OF MARYLAND · MARK J. BODMANN · No. 31487 · PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-09
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 155+50 TO STA. 162+00

SCALE : 1"= 30' 09/2021
Project No. : C.I.P. PR. # 501744 SHEET 37 of 171

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: nkern –

PLOTTED: 9/17/2021
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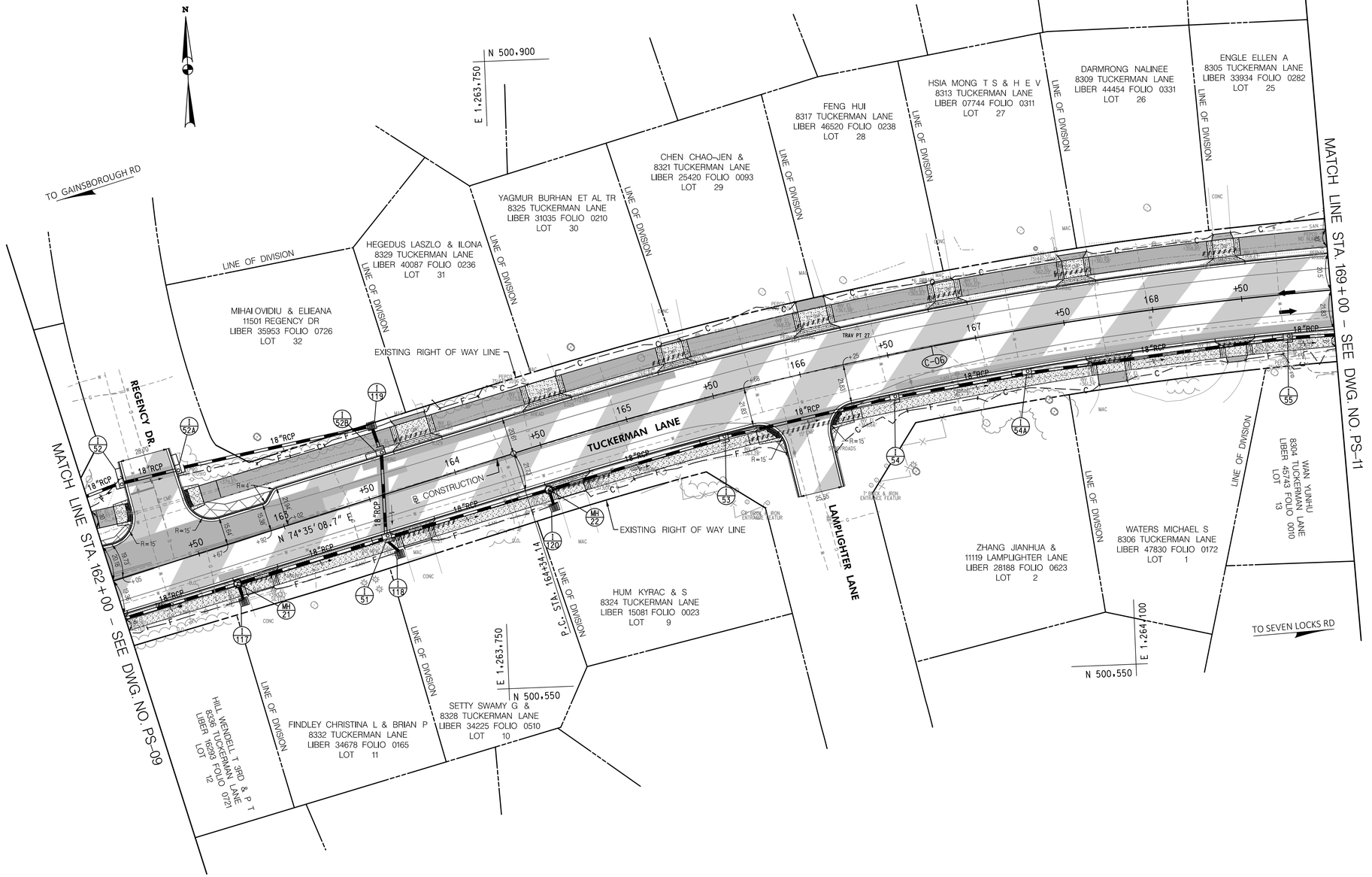

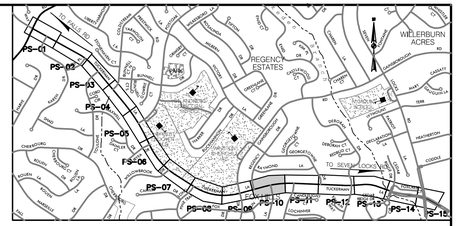

LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8' MIN. DEPTH (MC-100.01)		
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	

DEPRESSED CURB ENTRANCE (MC-102.01)		
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MD 750.01)		
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	

REMOVAL OF EXISTING PAVEMENT		
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	

REMOVAL OF EXISTING MASONRY		
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	

REMOVAL OF EXISTING PIPE		
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	

4 INCH CONCRETE SIDEWALK		
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.	

SIDEWALK RAMP CONSTRUCTION	
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)		
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.	
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.	
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.	

GENERAL NOTE:
1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.
2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.
3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

UTILITIES UNDER CONSTRUCTION

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, STORM DRAIN SYMBOLS, END SECTION, STD. MANHOLE, ENDWALL

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

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MARK J. BODMANN MD NO-31487 EXP-03/10/2023
DATE 9/17/2021

SEAL — STATE OF MARYLAND · MARK J. BODMANN · No. 31487 · PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

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A Limited Liability Partnership

BY: nkern -

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHD-P010_Tuckerman.dgn

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

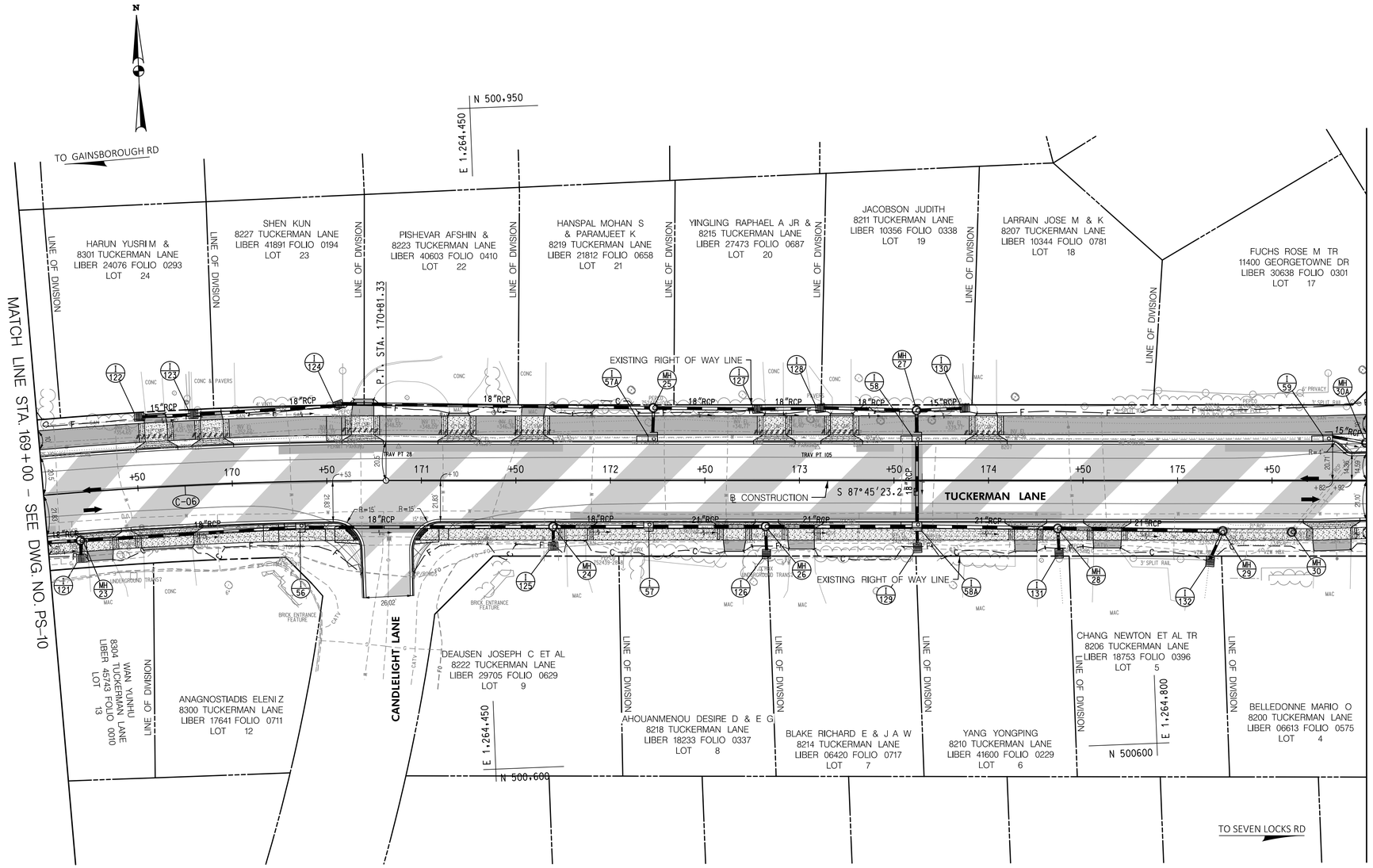
RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

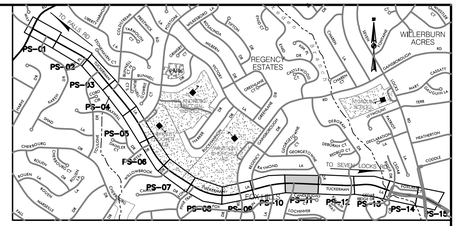
Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-10
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 162+00 TO STA. 169+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 38 of 171





LOCATION MAP
SCALE 1"=1500'

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XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MC-701.01)	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

4 INCH CONCRETE SIDEWALK	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION	
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)	
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:
1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.
2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.
3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

UTILITIES UNDER CONSTRUCTION

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, END SECTION, STD. MANHOLE, STORM DRAIN SYMBOLS, ENDWALL

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

PROFESSIONAL CERTIFICATION
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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL — STATE OF MARYLAND · MARK J. BODMANN · No. 31487 · PROFESSIONAL ENGINEER
DATE: 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS·PLANNERS·SURVEYORS·CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: nkern –

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-11
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 169+00 TO STA. 176+00
SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 39 of 171

PLOTTED: 9/17/2021
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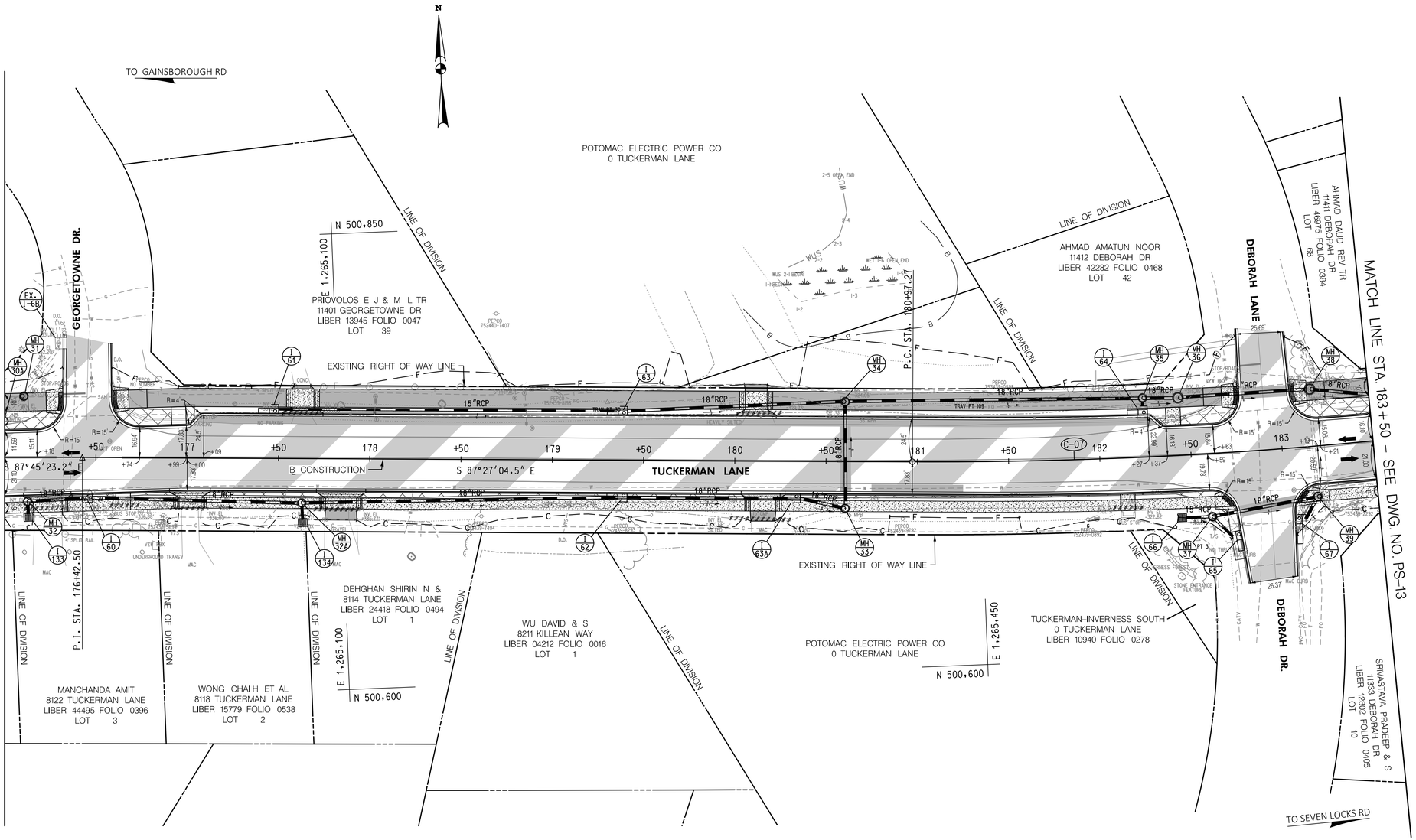

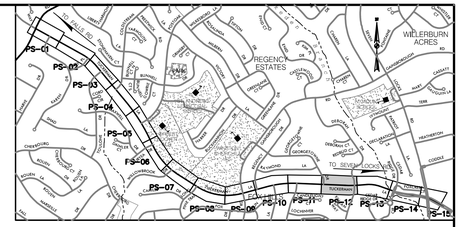

LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8' MIN. DEPTH (MC-100.01)

XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)

XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MC-710.01)

XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT

XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY

XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE

XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

4 INCH CONCRETE SIDEWALK

XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION

TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)

XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:

1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.
2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.
3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

UNDER CONSTRUCTION

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, STORM DRAIN SYMBOLS, END SECTION, STD. MANHOLE, ENDWALL

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

PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/10/2023

SEAL — STATE OF MARYLAND — MARK J. BODMANN — No. 31487 — PROFESSIONAL ENGINEER

DATE: 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS·PLANNERS·SURVEYORS·CONSTRUCTION MANAGERS
10150 York Road, Suite 200
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410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
A Limited Liability Partnership

BY: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHD-P012_Tuckerman.dgn

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

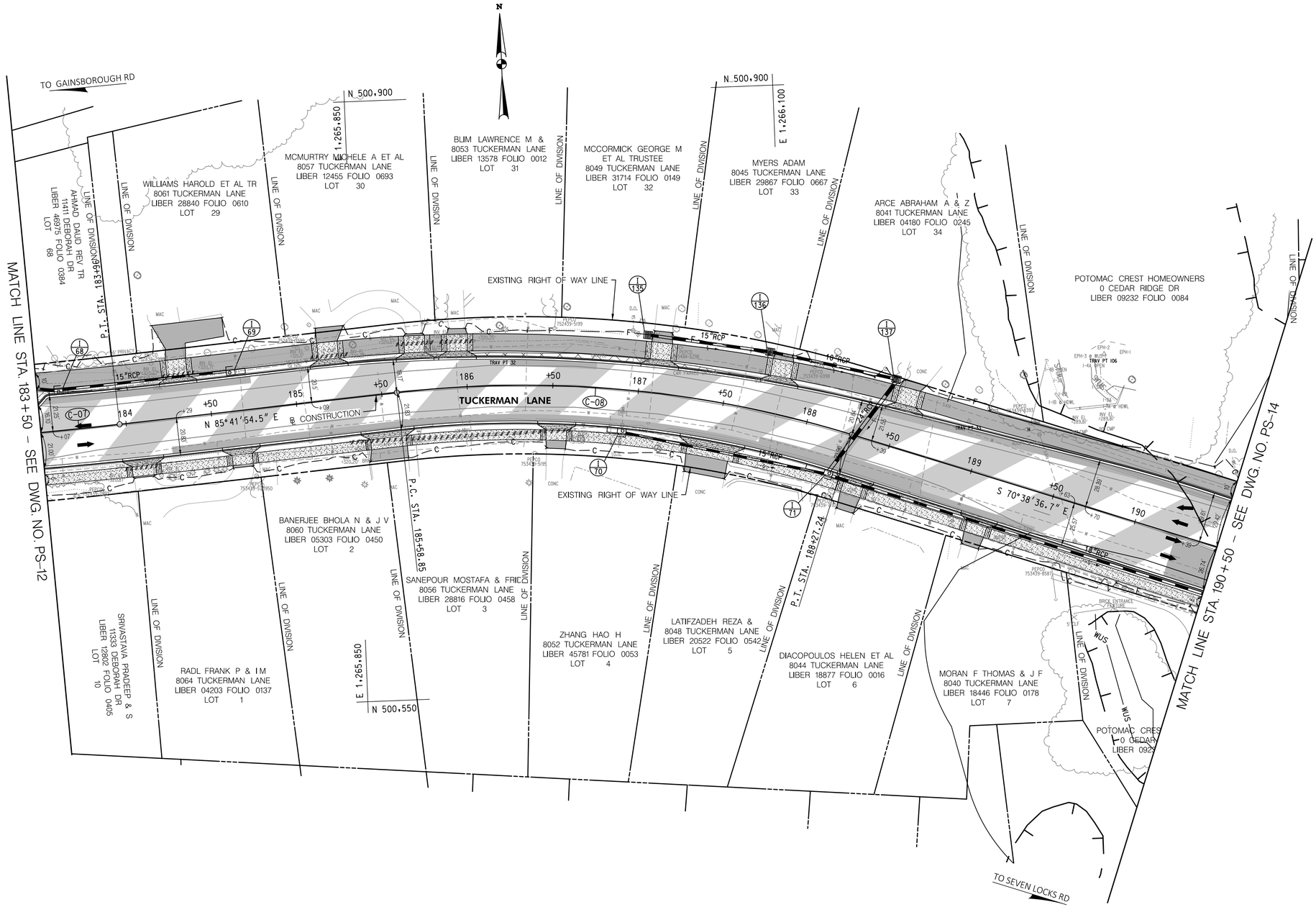
Chief, Division of Engineering Services — Date

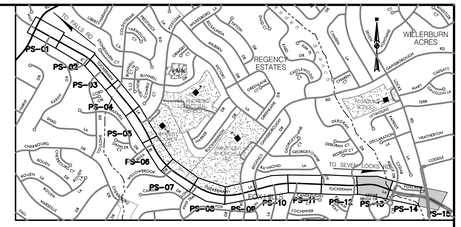
Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-12
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 176+00 TO STA. 183+50

SCALE : 1"= 30 — 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 40 of 171





LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8" MIN. DEPTH (MC-100.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (NO. 740.01)	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

4 INCH CONCRETE SIDEWALK	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION	
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)	
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:
1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.
2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.
3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

NOT FOR CONSTRUCTION

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, END SECTION, STD. MANHOLE, STORM DRAIN SYMBOLS, ENDWALL

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

PROFESSIONAL CERTIFICATION
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, MARK J. BODMANN MD NO-31487 EXP-03/18/2023
DATE: 9-17-2021

SEAL — STATE OF MARYLAND — MARK J. BODMANN — No. 31487 — PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS•PLANNERS•SURVEYORS•CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
A Limited Liability Partnership

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-13
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 183+50 TO STA. 190+50

SCALE : 1"= 30 — 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 41 of 171

BY: nkern –
PLOTTED: 9/17/2021
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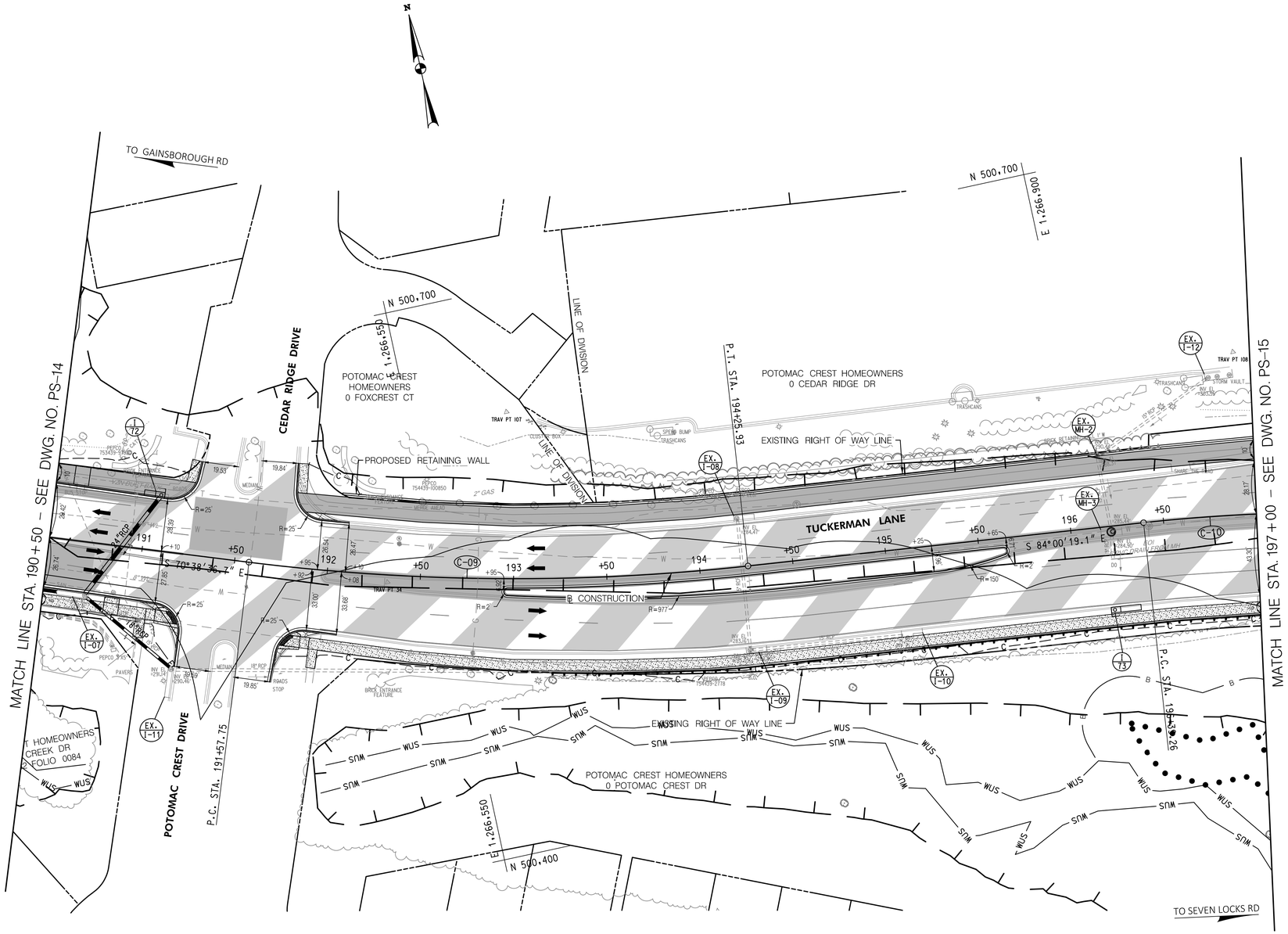

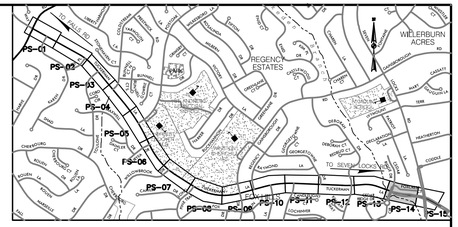

LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8' MIN. DEPTH (MC-100.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MD 701.01)	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

4 INCH CONCRETE SIDEWALK	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

SIDEWALK RAMP CONSTRUCTION		
	TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
	TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX
	TUCKERMAN LANE - STA. XX+XX, XX.	MC-XXX.XX

DETECTABLE WARNING SURFACE FOR CURB RAMPS (MD 655.40)	
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX, XX.

GENERAL NOTE:
1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.
2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.
3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

THIS IS UNDER CONSTRUCTION

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, STORM DRAIN SYMBOLS, END SECTION, STD. MANHOLE, ENDWALL

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

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MARK J. BODMANN MD NO-31487 EXP-03/18/2023
DATE 9-17-2021

SEAL — STATE OF MARYLAND · MARK J. BODMANN · No. 31487 · PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

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BY: nkern –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHD-P014_Tuckerman.dgn

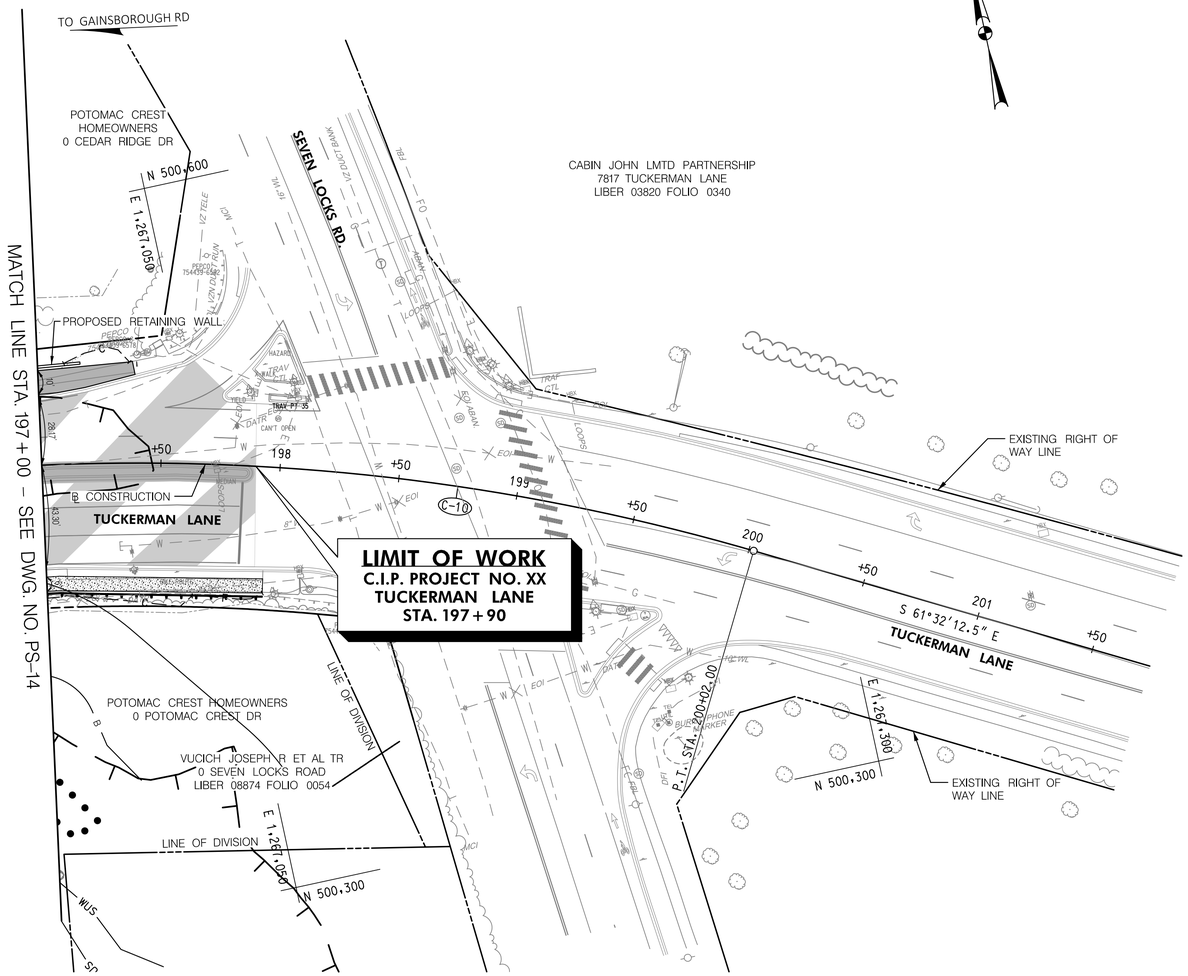
MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

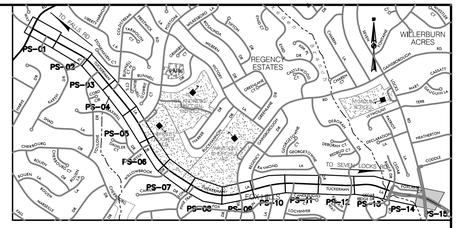
RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET PS-14
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 191+00 TO STA. 197+00
SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 42 of 171





LOCATION MAP
SCALE 1"=1500'

STANDARD MONTGOMERY COUNTY TYPE A COMBINATION CURB AND GUTTER, 16' GUTTER PAN, 8' MIN. DEPTH (MC-100.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

DEPRESSED CURB ENTRANCE (MC-102.01)	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

7 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR RESIDENTIAL DRIVEWAY MIX NO. 9 (MC-701.01)	
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PAVEMENT	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING MASONRY	
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX C.Y.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

REMOVAL OF EXISTING PIPE	
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX L.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

4 INCH CONCRETE SIDEWALK	
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.
XX S.F.	TUCKERMAN LANE - STA. XX+XX TO STA. XX+XX, XX.

GENERAL NOTES:
1. EXISTING RIGHT OF WAY LINES ARE BASED ON GIS INFORMATION.
2. FOR PAVEMENT MARKINGS REFER TO SIGNING AND PAVEMENT MARKING PLANS SN-01 TO SN-15.
3. FOR LANE WIDTHS REFER TO TYPICAL SECTIONS TS-01 TO TS-03.

UTILITIES UNDER CONSTRUCTION

LEGEND

- SHARED USE PATH
- FULL DEPTH PAVEMENT
- FINE MILLING & ASPHALT RESURFACING
- CONCRETE DRIVEWAY/ SIDEWALK
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE
- RIPRAP
- C — TOP OF CUT
- F — TOE OF FILL
- WETLAND
- B — WETLAND BUFFER
- WUS — WATERS OF THE US
- 102 +50 ℄ CONSTRUCTION
- PIPE, INLET, END SECTION, STD. MANHOLE, STORM DRAIN SYMBOLS, ENDWALL

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

PROFESSIONAL CERTIFICATION
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
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL — STATE OF MARYLAND · MARK J. BODMANN · No. 31487 · PROFESSIONAL ENGINEER
DATE: 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS-PLANNERS-SURVEYORS-CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
A Limited Liability Partnership

BY: nkern -

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHD-P015_Tuckerman.dgn

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

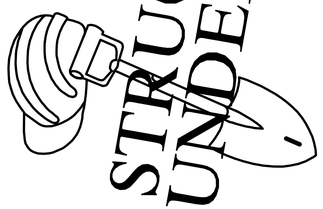
PLAN SHEET PS-15
ROADWAY PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 197+00 TO STA. 201+50
SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 43 of 171

STRUCTURE SCHEDULE

PLAN SHEET	NUMBER	STATION	OFFSET	NORTHING	EASTING	TYPE	ELEVATION		STANDARD	VERTICAL DEPTH	COMMENTS
							TOP	INV.			
PS-XX	I-01	XX+XX.XX	XX.XX' XX.	XXX,XXX.XX	X,XXX,XXX.XX	10' SQUARE COG INLET	XXX	XXX	MO CO-XX.XX	XXX	XXX
PS-XX	I-02	XX+XX.XX	XX.XX' XX.	XXX,XXX.XX	X,XXX,XXX.XX	10' SQUARE COG INLET	XXX	XXX	MO CO-XX.XX	XXX	XXX
PS-XX	I-03	XX+XX.XX	XX.XX' XX.	XXX,XXX.XX	X,XXX,XXX.XX	15' SQUARE COG INLET	XXX	XXX	MO CO-XX.XX	XXX	XXX

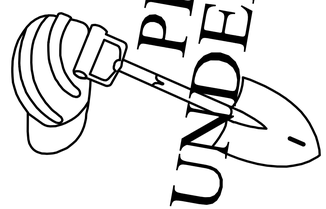
STRUCTURE SCHEDULE CONSTRUCTION



PIPE SCHEDULE

PLAN SHEET	FROM	TO	SIZE	TYPE	LENGTH
PS-01	I-01	I-02	18"	RCP CLASS 4	XX'
PS-01	I-02	I-03	18"	RCP CLASS 4	XX'
PS-01	I-03	I-04	18"	RCP CLASS 4	XX'
PS-01	I-04	I-05	18"	RCP CLASS 4	XX'

PIPE SCHEDULE CONSTRUCTION



YARD INLET PROFILE TABLE

FROM	TO	Q10 (cfs)	LENGTH (ft)	V10 (ft/s)	US INVERT (ft)	DS INVERT (ft)	TOP ELEV. (ft)
I-100	MH-01	0.03	6.56	0.42	397.03	397.00	401.75
I-101	MH-02	0.03	6.81	0.38	395.19	395.16	400.47
I-102	MH-03	0.10	13.24	1.17	382.27	382.20	386.31
I-106	MH-10	0.01	6.51	0.14	369.87	369.84	375.52
I-105	I-24A	0.01	8.18	0.09	366.39	366.35	371.75
I-104	MH-09	0.09	8.57	1.12	345.61	345.57	348.88
I-107	MH-12	0.03	5.37	0.43	369.97	369.94	377.69
I-108	MH-13	0.05	5.90	0.58	367.59	367.56	374.51
I-113	MH-19	0.23	16.00	1.55	340.78	340.70	345.42
I-130	MH-27	0.02	21.82	0.29	338.73	338.62	341.86
I-117	MH-21	0.01	6.91	0.08	378.34	378.30	382.88
I-118	I-51	0.01	7.77	0.15	374.54	374.50	379.33
I-120	MH-22	0.02	6.39	0.22	369.00	368.97	375.59
I-121	MH-23	0.04	5.64	0.54	351.10	351.07	356.84
I-125	MH-24	0.04	6.51	0.45	342.65	342.62	347.03
I-126	MH-26	0.46	10.88	2.01	339.69	339.64	343.49
I-129	I-58A	0.25	7.16	1.60	337.95	337.91	341.82
I-131	MH-28	0.30	9.53	1.73	337.00	336.95	340.79
I-132	MH-29	0.20	14.06	1.45	335.99	335.92	341.26
I-134	MH-32A	0.11	6.99	1.22	332.19	332.15	337.68

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MARK J. BODMANN MD NO-31487 EXP-03/18/2023
DATE 9/17-2021

SEAL
STATE OF MARYLAND
MARK J. BODMANN
PROFESSIONAL ENGINEER
No. 31487

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section Date
APPROVED
Chief, Division of Engineering Services Date

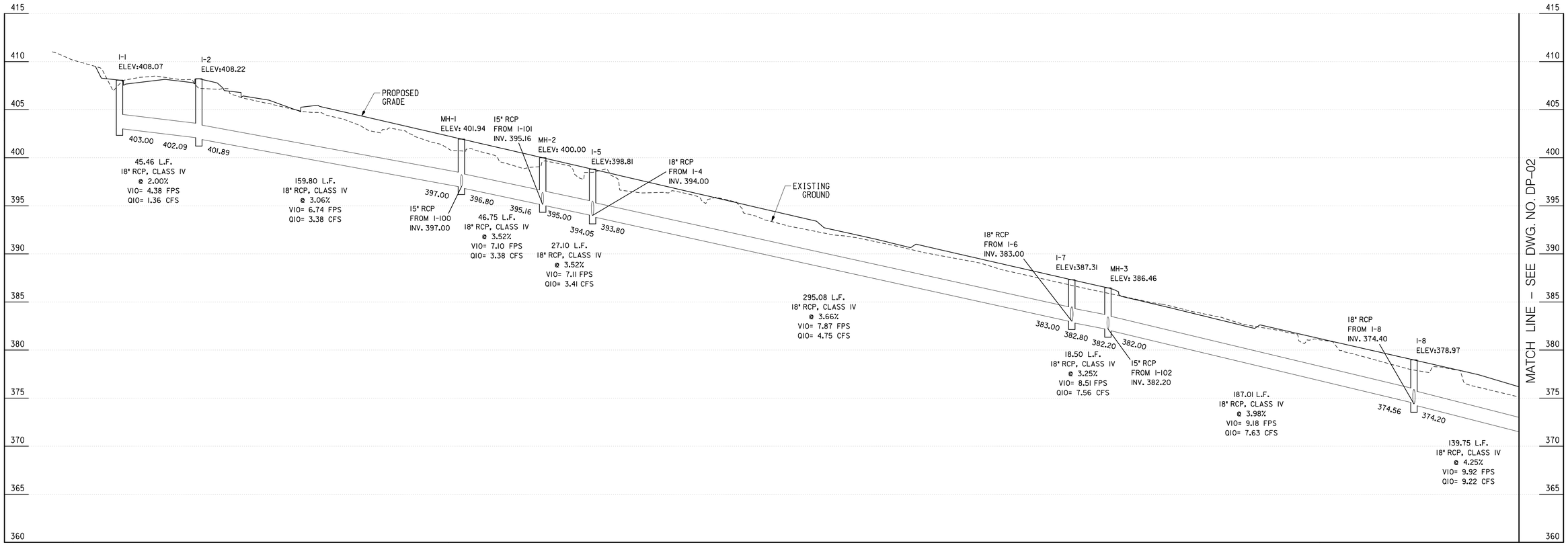
Designed by : N.D.K. Drawn by : A.M.G. Checked by : M.J.B.

PLAN SHEET DD-01
DRAINAGE SCHEDULE & DETAILS
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : N.T.S. 09/2021
Project No. : C.I.P. PR. # 501744 SHEET 45 of 171

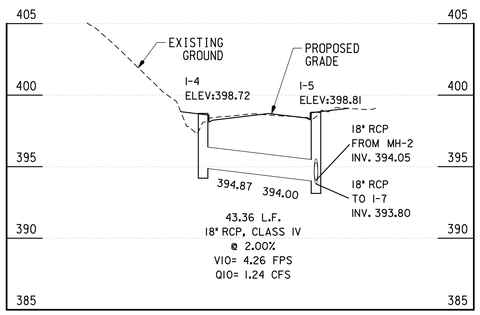
BY: nkern -

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways\Cadd-Drainage\pDD-S001_Tuckerman.dgn



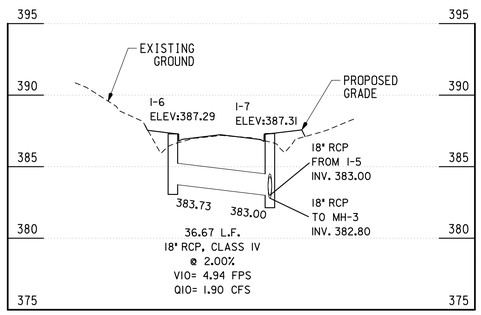
I-1 TO I-8

SCALE: HOR. 1"=30'
VERT. 1"=5'



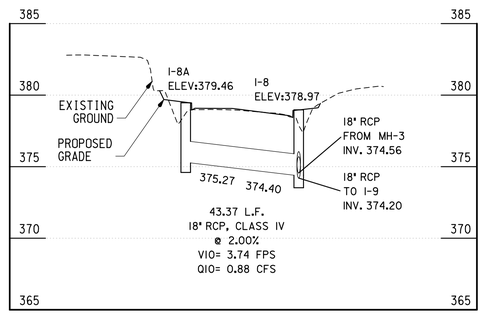
I-4 TO I-5

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-6 TO I-7

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-8A TO I-8

SCALE: HOR. 1"=30'
VERT. 1"=5'

5'
0
5'
VERTICAL SCALE: 1" = 5'

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

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/18/2023.

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE: 9/17/2021

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : N.D.K. Drawn by : A.M.G. Checked by : M.J.B.

PLAN SHEET DP-01
DRAINAGE PROFILES
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : AS SHOWN 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 46 of 171

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BY: nkern -

PLOTTED: 9/16/2021
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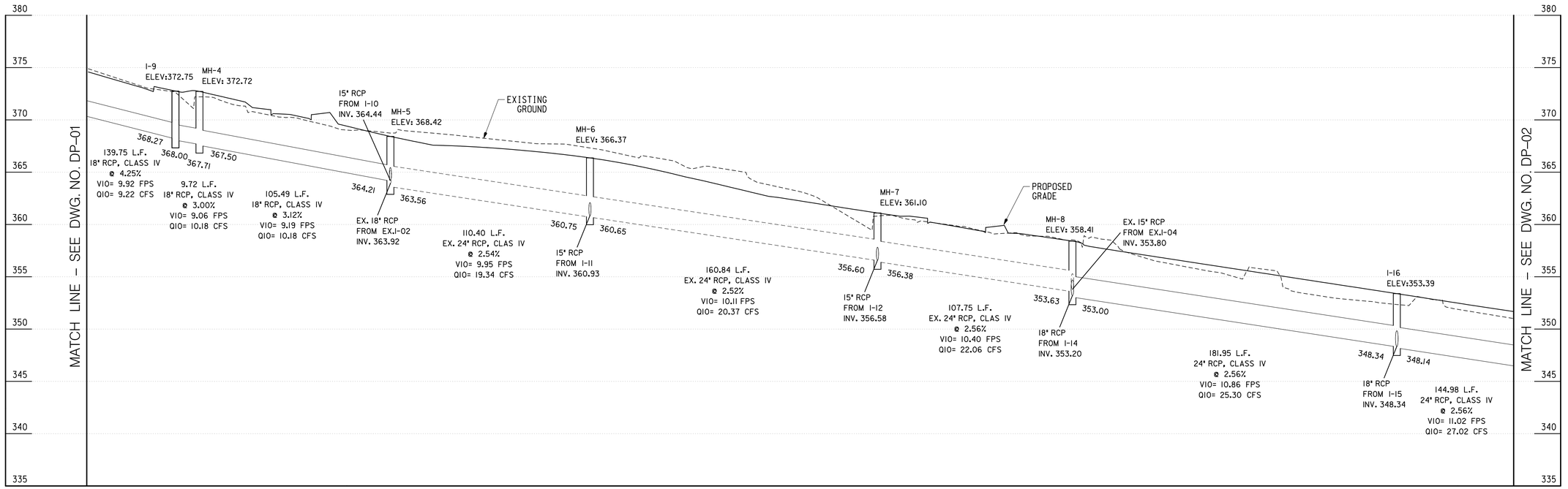


I-9 TO I-16

SCALE: HOR. 1"=30'
VERT. 1"=5'

I-10 TO MH-5

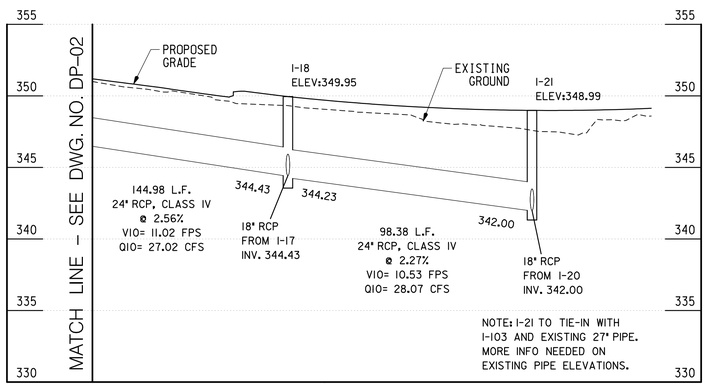
SCALE: HOR. 1"=30'
VERT. 1"=5'

I-11 TO MH-6

SCALE: HOR. 1"=30'
VERT. 1"=5'

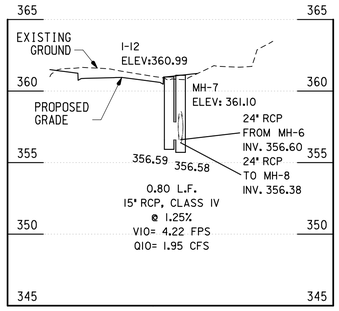
I-17 TO I-18

SCALE: HOR. 1"=30'
VERT. 1"=5'



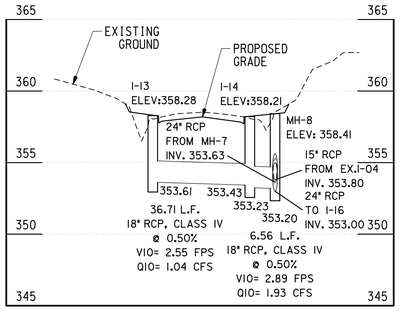
I-18 TO I-21

SCALE: HOR. 1"=30'
VERT. 1"=5'



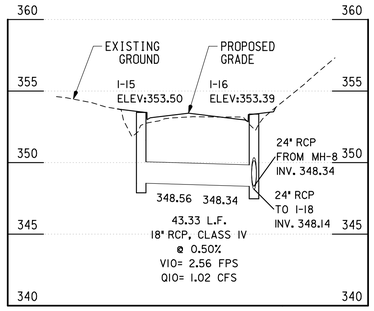
I-12 TO MH-7

SCALE: HOR. 1"=30'
VERT. 1"=5'



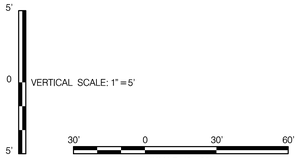
I-13 TO MH-8

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-15 TO I-16

SCALE: HOR. 1"=30'
VERT. 1"=5'



35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

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BY: nkern -

PROFESSIONAL CERTIFICATION

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE: 7-2021

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

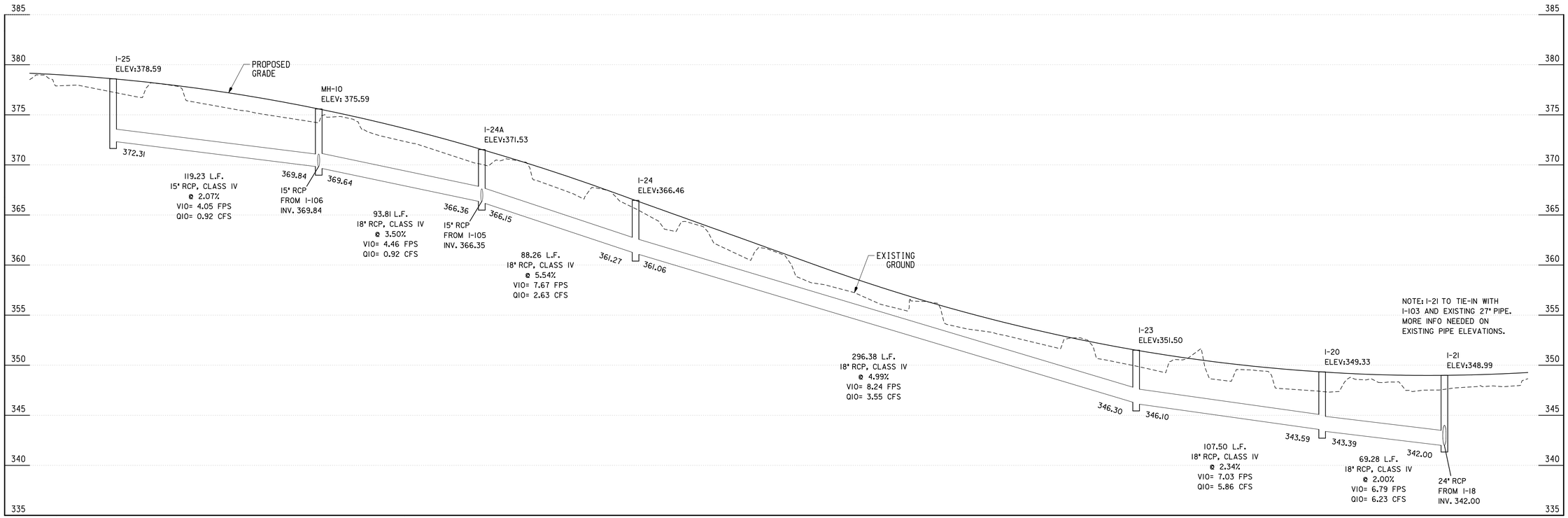
Designed by : N.D.K. Drawn by : A.M.G. Checked by : M.J.B.

PLAN SHEET DP-02
DRAINAGE PROFILES
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : AS SHOWN 09/2021

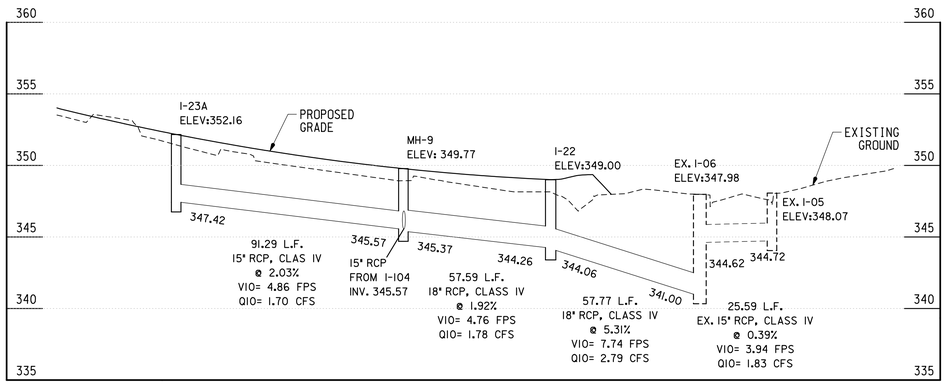
Project No. : C.I.P. PR. # 501744 SHEET 47 of 171

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways\Cadd-Drainage\pDP-V002_Tuckerman.dgn



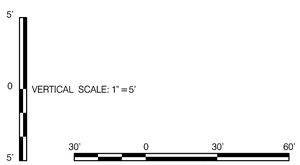
I-25 TO I-21

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-23A TO EX. I-05

SCALE: HOR. 1"=30'
VERT. 1"=5'



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BY: nkern -

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MARK J. BODMANN MD NO-31487 EXP-03/10/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 7-7-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : N.D.K. Drawn by : A.M.G. Checked by : M.J.B.

PLAN SHEET DP-03
DRAINAGE PROFILES
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : AS SHOWN 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 48 of 171

PLOTTED: 9/16/2021
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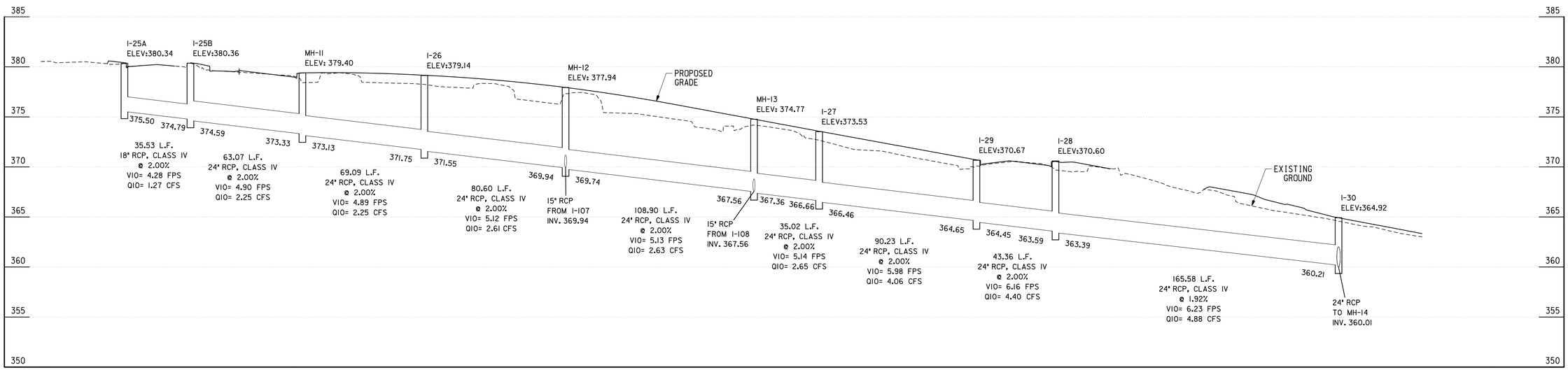
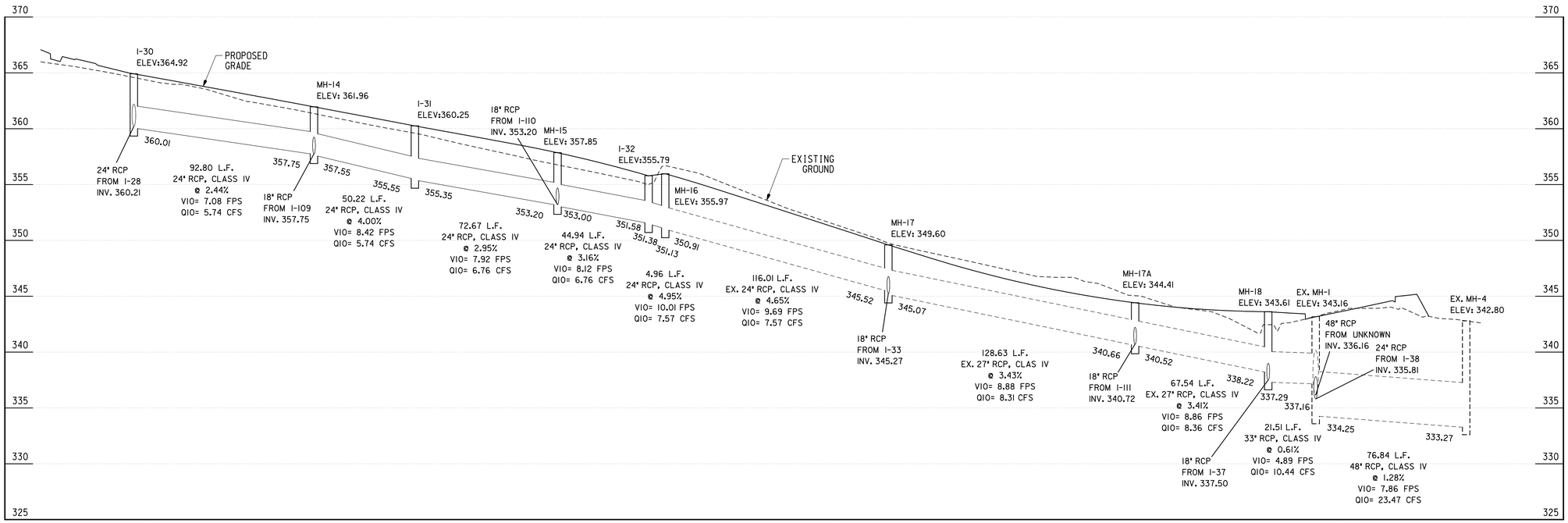


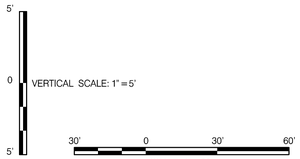
I-25A TO I-30

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-30 TO EX. MH-4

SCALE: HOR. 1"=30'
VERT. 1"=5'



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SEAL
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MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : N.D.K. Drawn by : A.M.G. Checked by : M.J.B.

PLAN SHEET DP-04
DRAINAGE PROFILES
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : AS SHOWN 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 49 of 171

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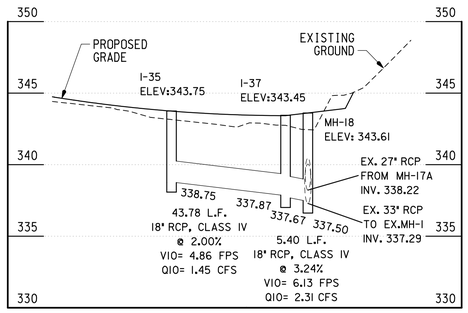
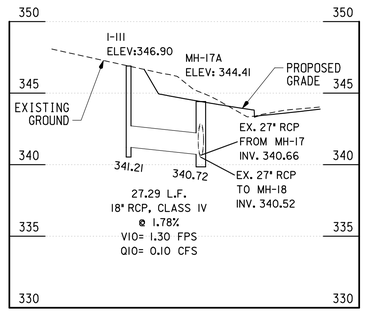
BY: nkern -

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways\Cadd-Drainage\pDP-V004_Tuckerman.dgn



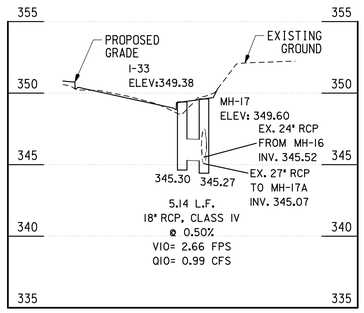
I-35 TO MH-18

SCALE: HOR. 1"=30' VERT. 1"=5'



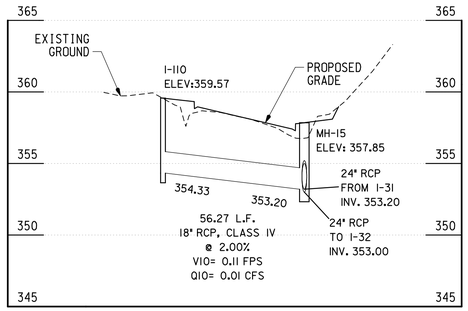
I-111 TO MH-17A

SCALE: HOR. 1"=30' VERT. 1"=5'



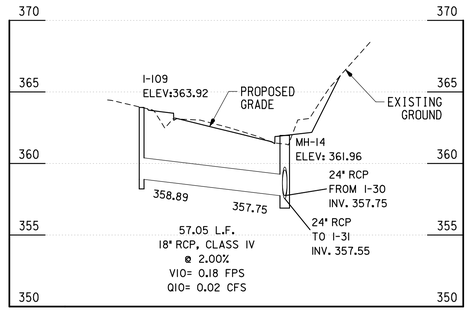
I-33 TO MH-17

SCALE: HOR. 1"=30' VERT. 1"=5'



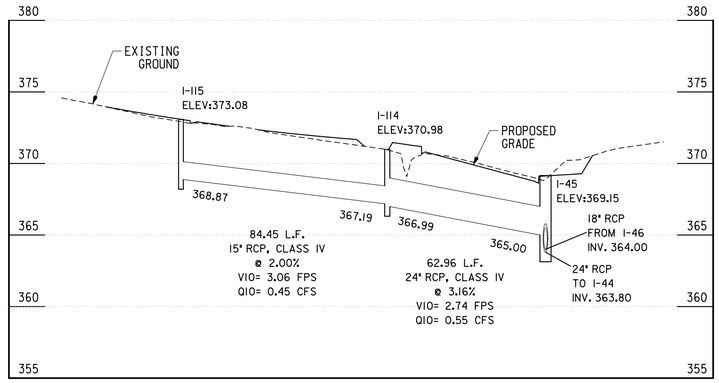
I-110 TO MH-15

SCALE: HOR. 1"=30' VERT. 1"=5'



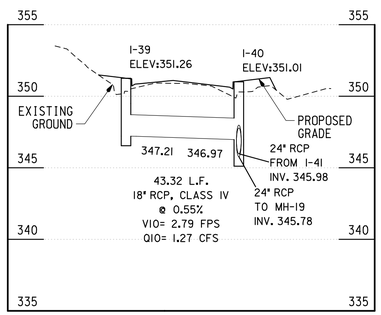
I-109 TO MH-14

SCALE: HOR. 1"=30' VERT. 1"=5'



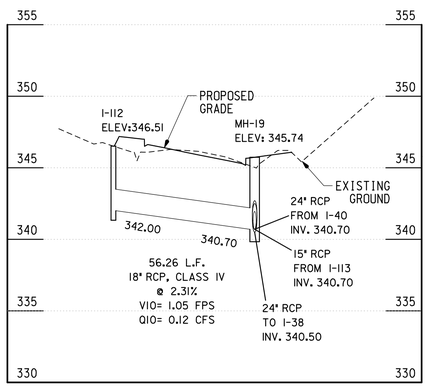
I-115 TO I-45

SCALE: HOR. 1"=30' VERT. 1"=5'



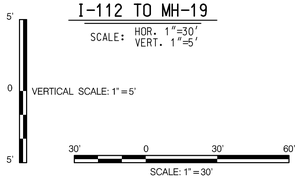
I-39 TO I-40

SCALE: HOR. 1"=30' VERT. 1"=5'



I-112 TO MH-19

SCALE: HOR. 1"=30' VERT. 1"=5'



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10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
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BY: nkern

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways\Cadd-Drainage\pDP-V005_Tuckerman.dgn

PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/16/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9-16-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

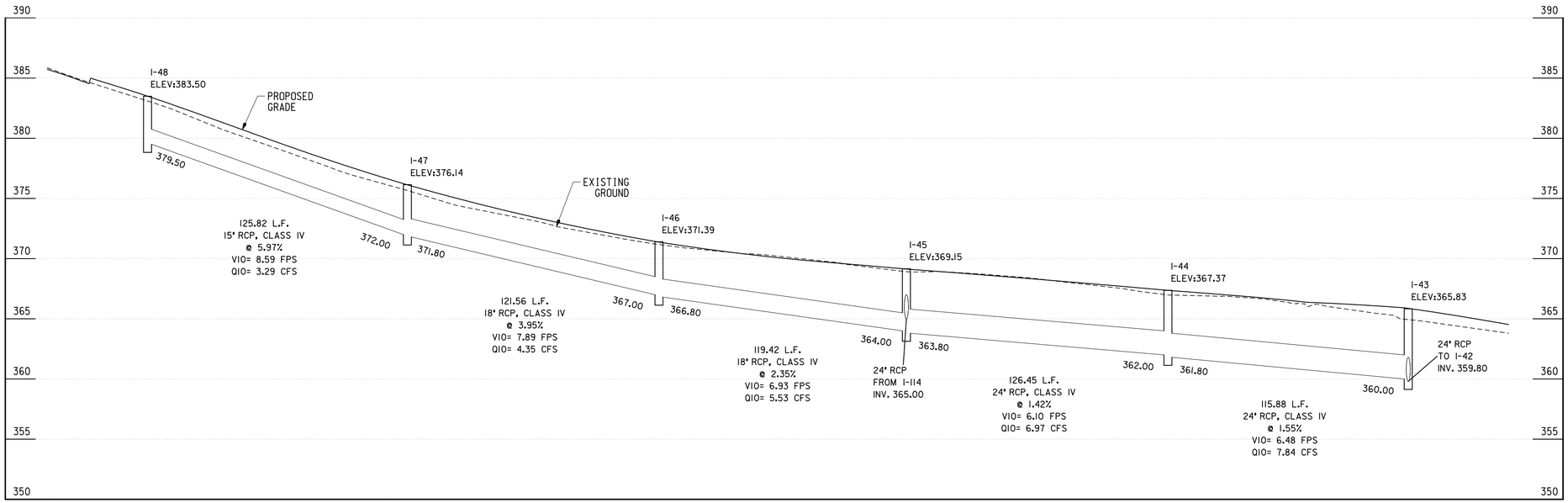
Chief, Division of Engineering Services — Date

Designed by : N.D.K. Drawn by : A.M.G. Checked by : M.J.B.

PLAN SHEET DP-05
DRAINAGE PROFILES
TUCKERMAN LANE
SIDEWALK/BIKEWAY

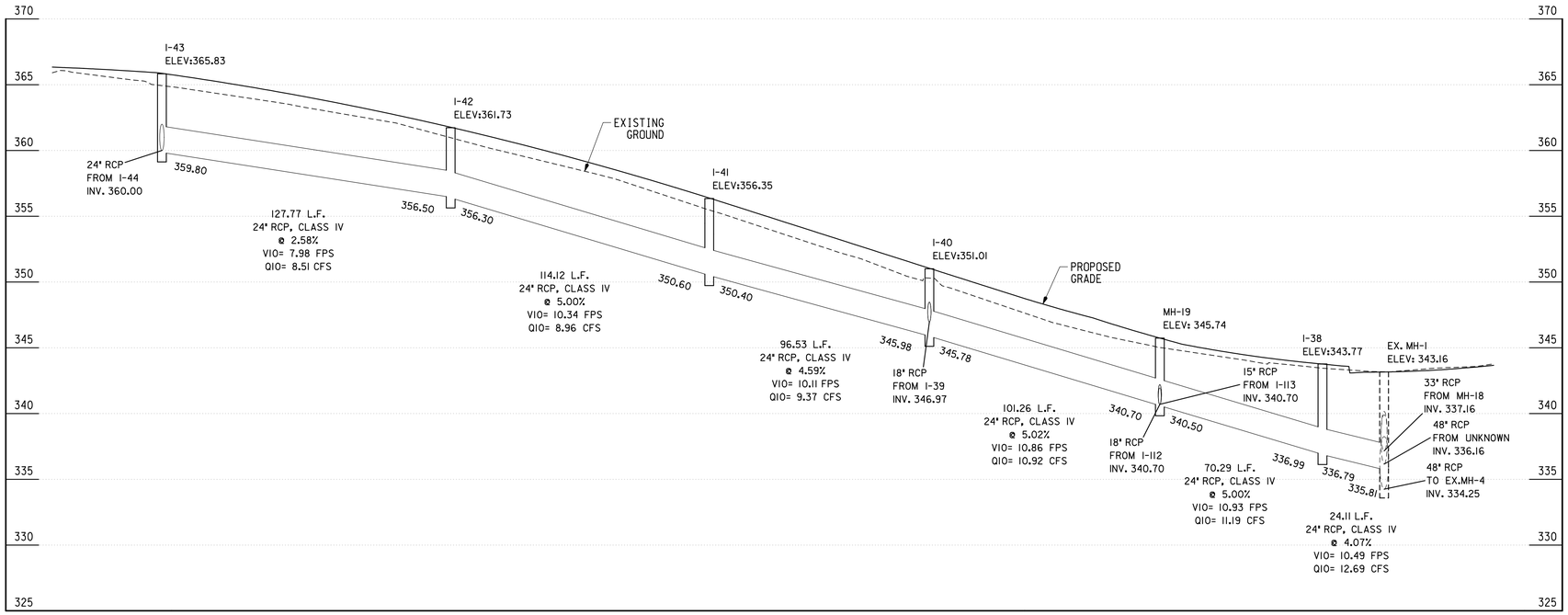
SCALE : AS SHOWN 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 50 of 171



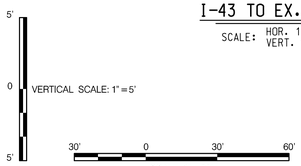
I-48 TO I-43

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-43 TO EX. MH-1

SCALE: HOR. 1"=30'
VERT. 1"=5'



PROFESSIONAL CERTIFICATION

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MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : N.D.K. Drawn by : A.M.G. Checked by : M.J.B.

PLAN SHEET DP-06
DRAINAGE PROFILES
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : AS SHOWN 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 51 of 171

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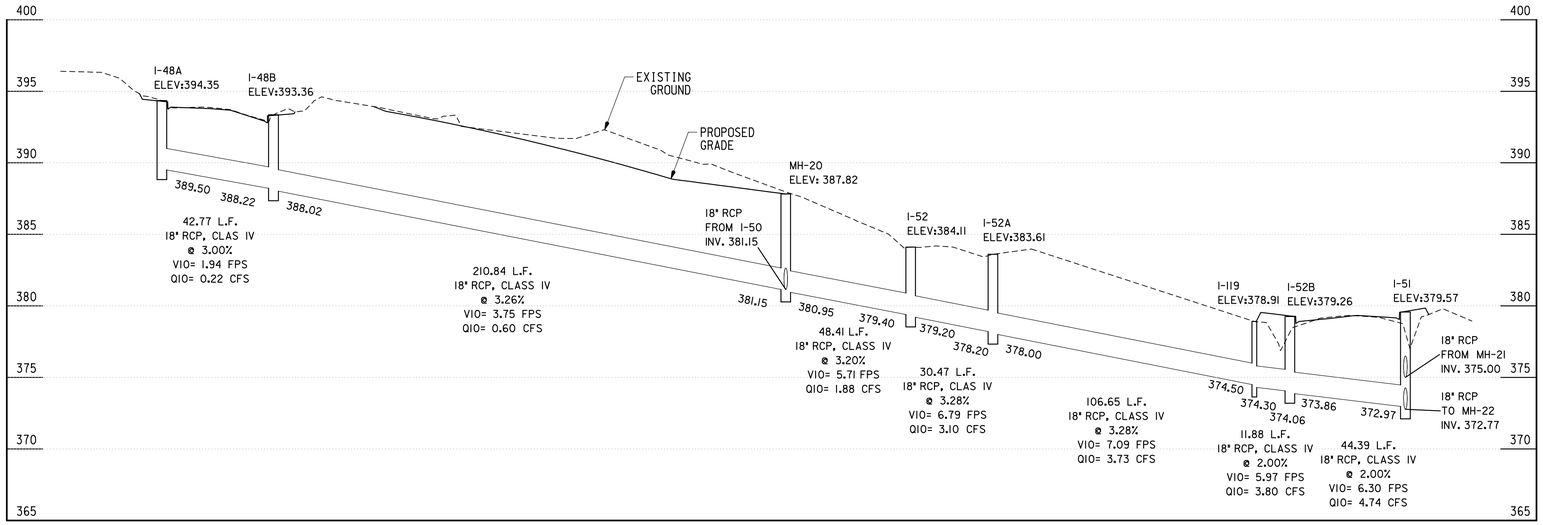
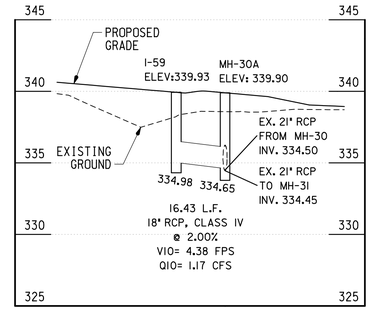
BY: nkern -

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways\Cadd-Drainage\pDP-V006_Tuckerman.dgn



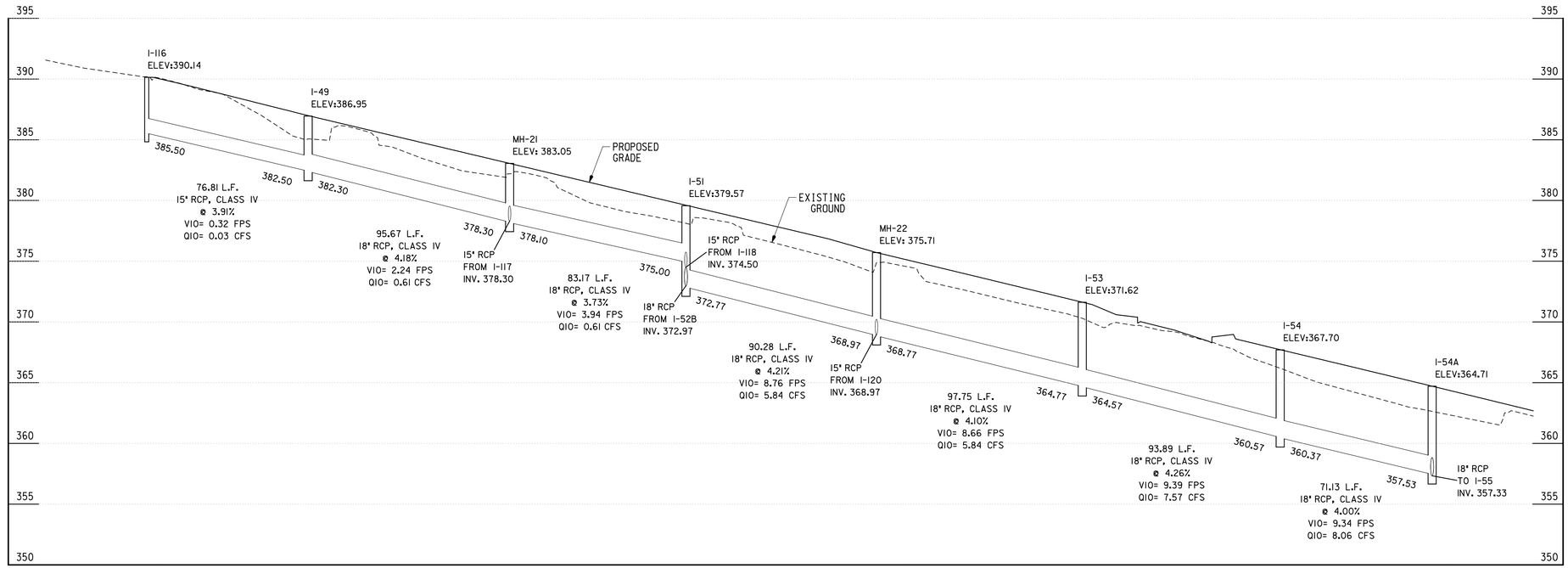
I-48A TO I-51

SCALE: HOR. 1"=30'
VERT. 1"=5'



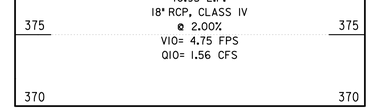
I-59 TO MH-30A

SCALE: HOR. 1"=30'
VERT. 1"=5'



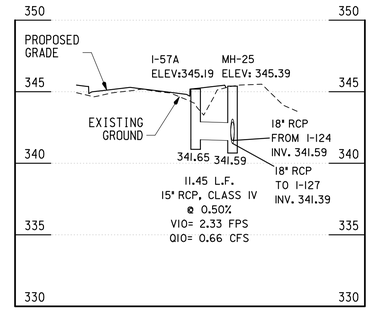
I-116 TO I-54A

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-50 TO MH-20

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-57A TO MH-25

SCALE: HOR. 1"=30'
VERT. 1"=5'

5'
0
5'
VERTICAL SCALE: 1" = 5'

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

PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/10/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 7-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

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MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

Designed by : N.D.K. Drawn by : A.M.G. Checked by : M.J.B.

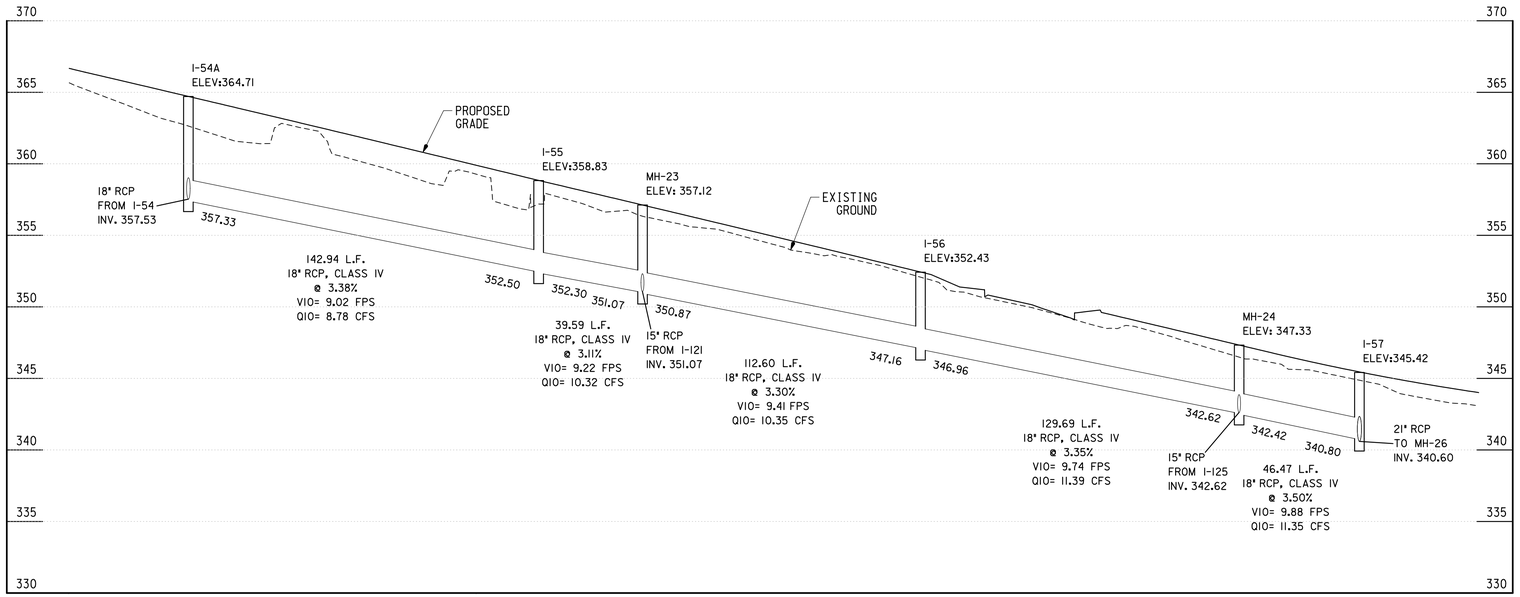
PLAN SHEET DP-07
DRAINAGE PROFILES
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : AS SHOWN 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 52 of 171

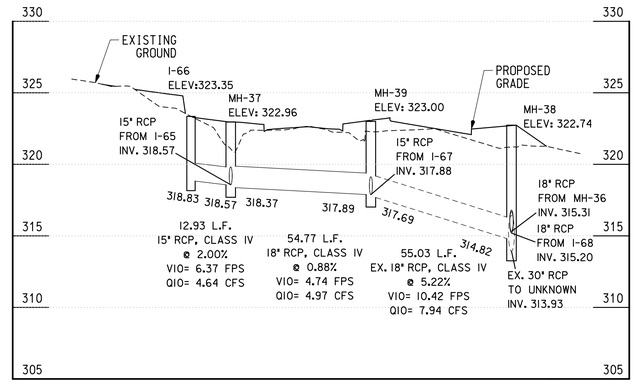
BY:. nkern -

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways\Cadd-Drainage\pDP-V007_Tuckerman.dgn



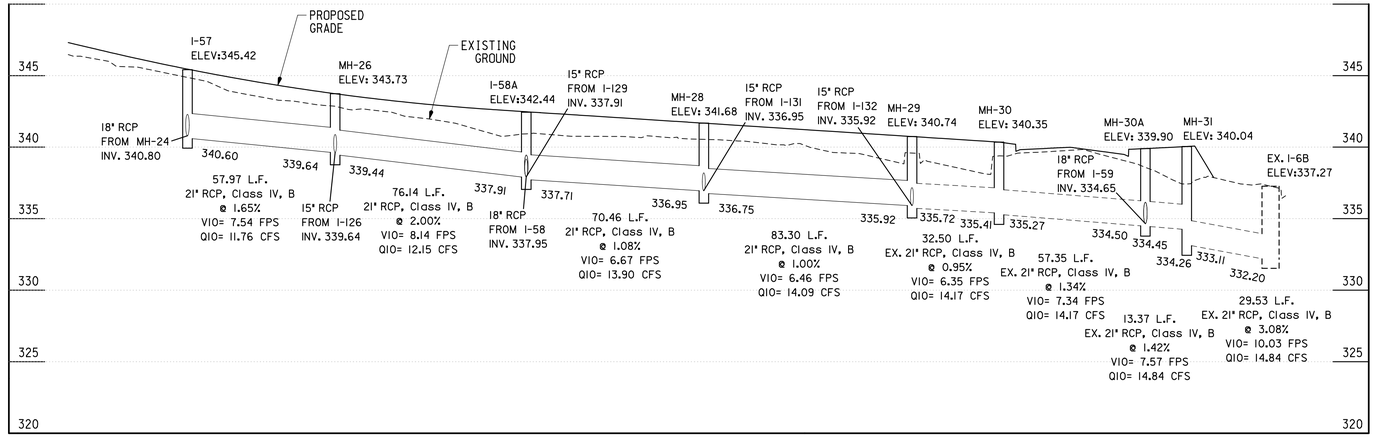
I-54A TO I-57

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-66 TO MH-38

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-57 TO EX. I-6B

SCALE: HOR. 1"=30'
VERT. 1"=5'

I-69 TO MH-38

SCALE: HOR. 1"=30'
VERT. 1"=5'

5'
0
5'
VERTICAL SCALE: 1" = 5'

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

PROFESSIONAL CERTIFICATION

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.
MARK J. BOOMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BOOMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9-17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

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MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : N.D.K. Drawn by : A.M.G. Checked by : M.J.B.

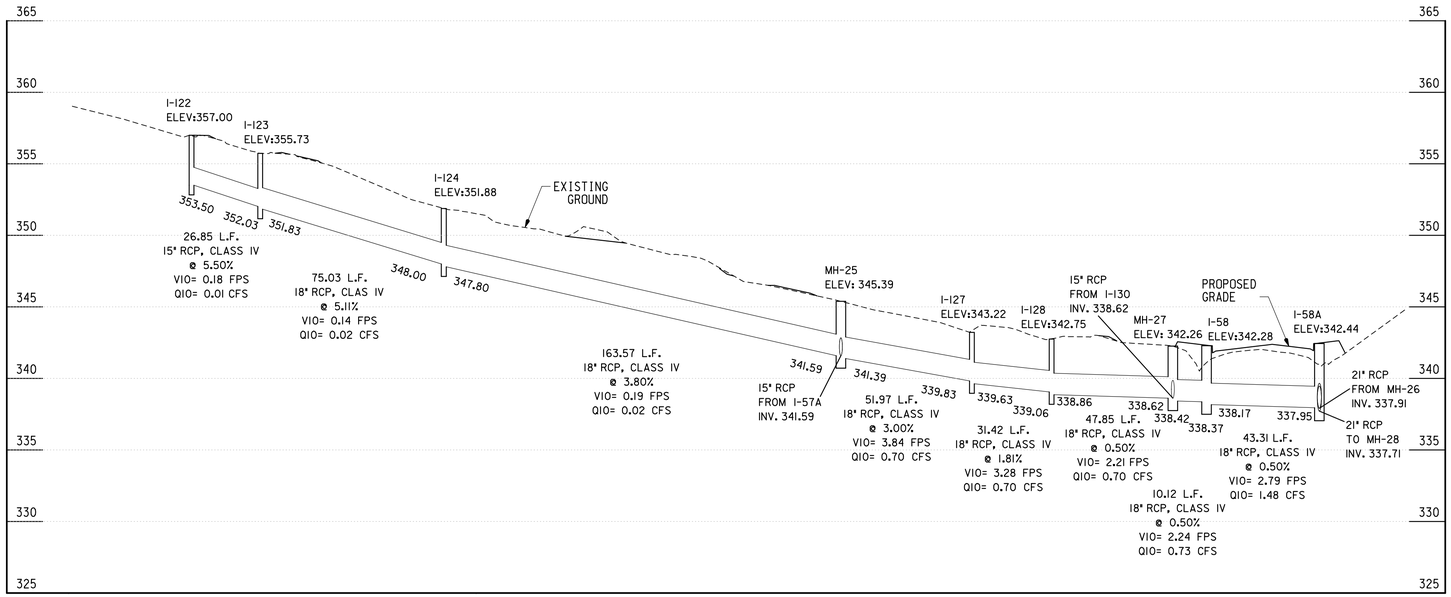
PLAN SHEET DP-08
DRAINAGE PROFILES
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : AS SHOWN 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 53 of 171

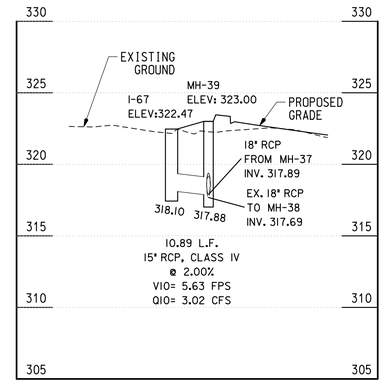
BY: nkern -

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways\Cadd-Drainage\pDP-V008_Tuckerman.dgn



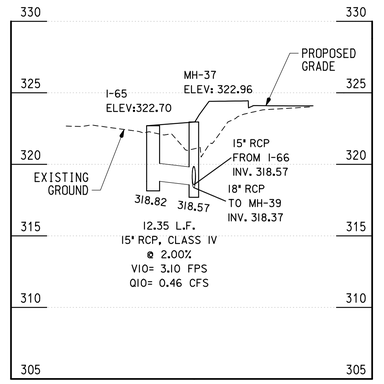
I-122 TO I-58A

SCALE: HOR. 1"=30'
VERT. 1"=5'



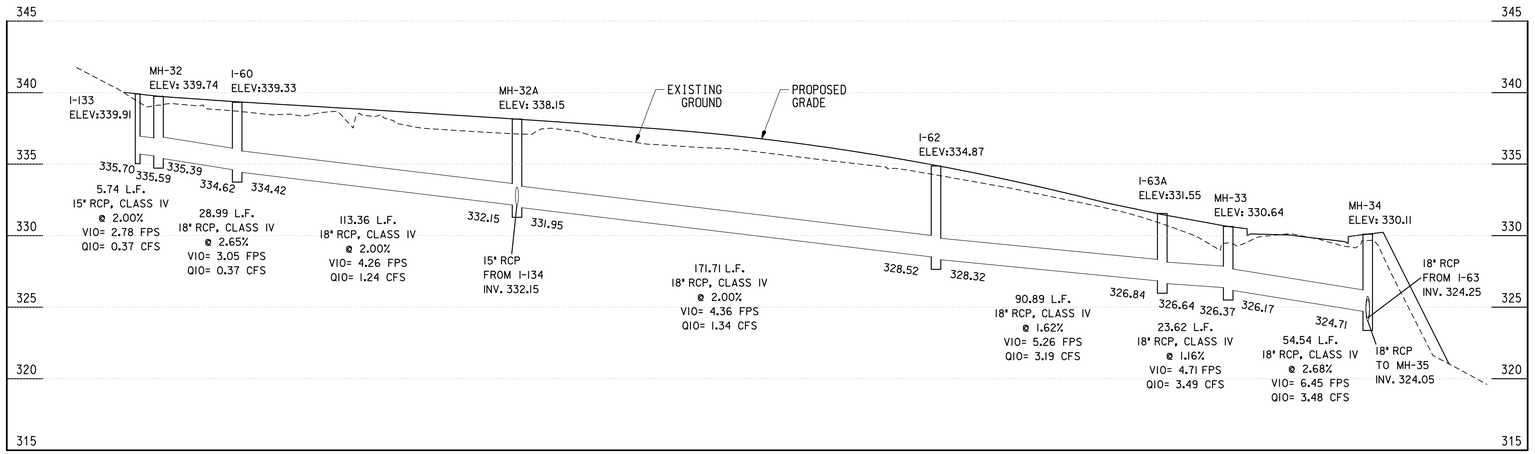
I-67 TO MH-39

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-65 TO MH-37

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-133 TO MH-34

SCALE: HOR. 1"=30'
VERT. 1"=5'

I-64 TO MH-35

SCALE: HOR. 1"=30'
VERT. 1"=5'

5'
0
5'
VERTICAL SCALE: 1"=5'

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

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Hunt Valley, Maryland 21030
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BY: nkern -

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways\Cadd-Drainage\pDP-V009_Tuckerman.dgn

PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

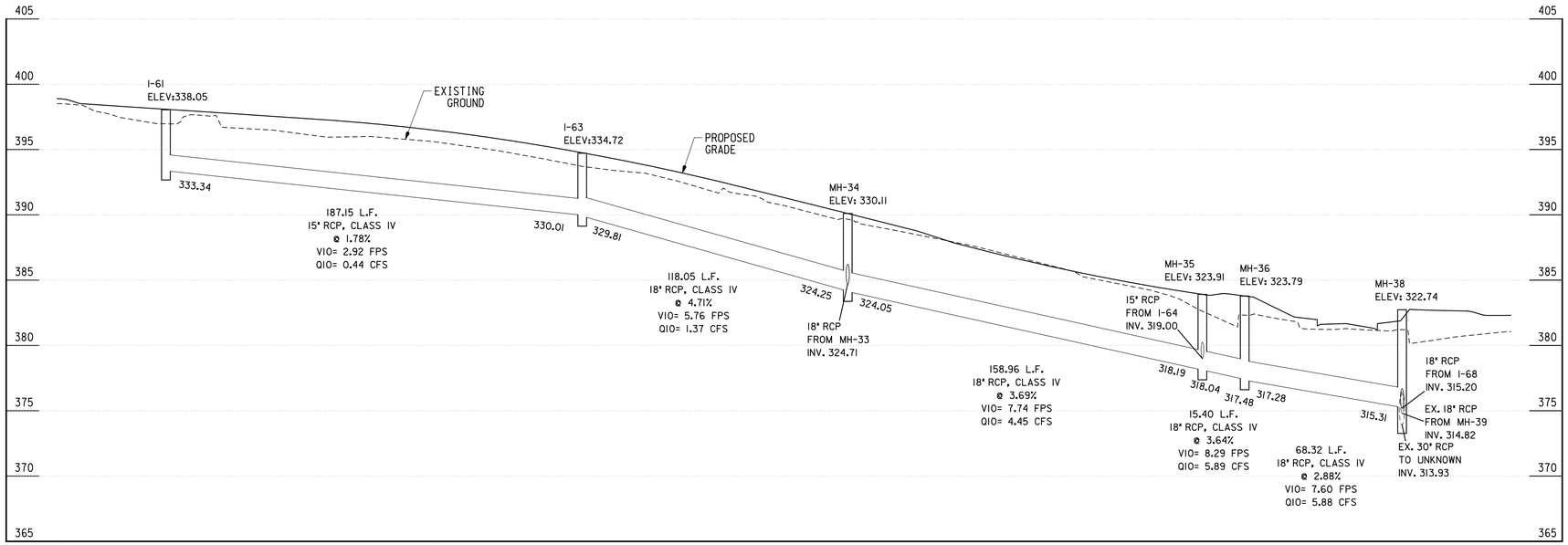
Chief, Division of Engineering Services Date

Designed by : N.D.K. Drawn by : A.M.G. Checked by : M.J.B.

PLAN SHEET DP-09
DRAINAGE PROFILES
TUCKERMAN LANE
SIDEWALK/BIKEWAY

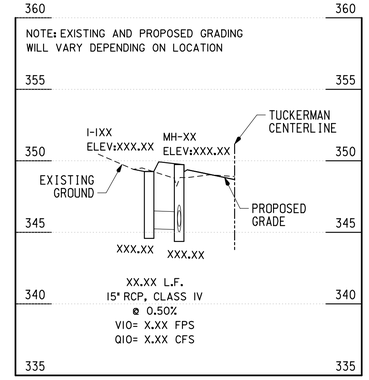
SCALE : AS SHOWN 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 54 of 171



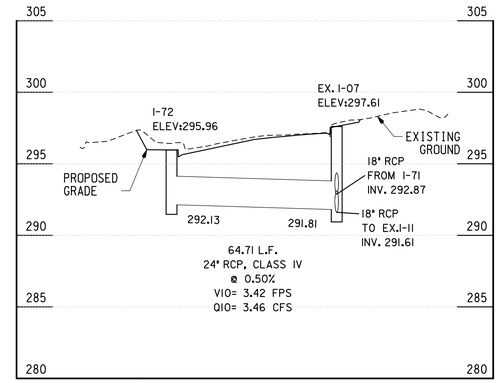
I-61 TO MH-38

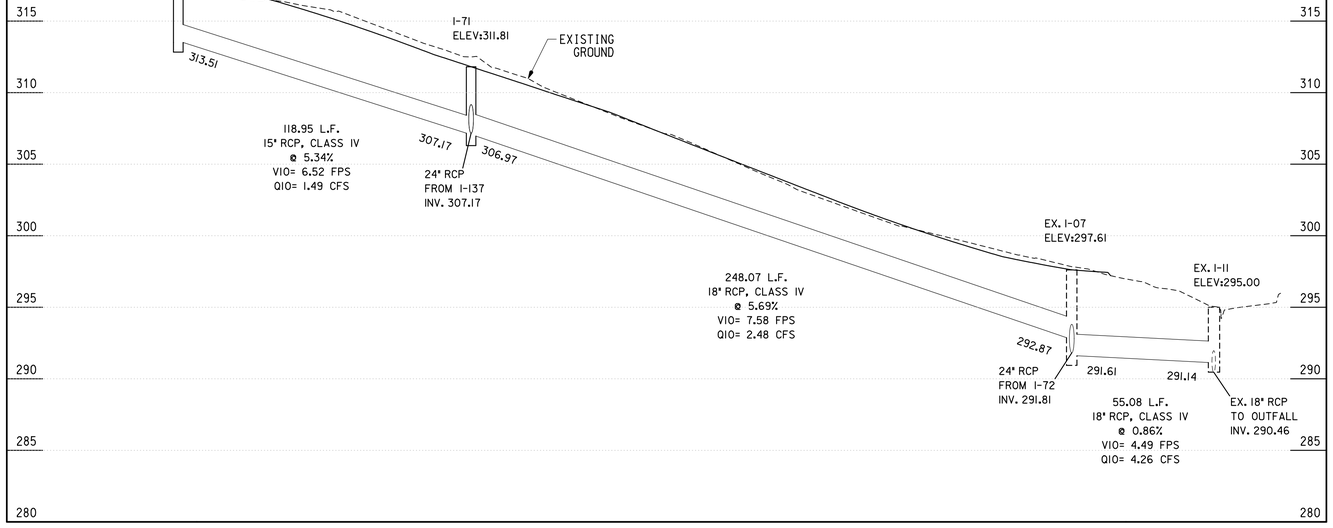
SCALE: HOR. 1"=30'
VERT. 1"=5'



TYPICAL YARD INLET CONNECTION

SCALE: HOR. 1"=30'
VERT. 1"=5'



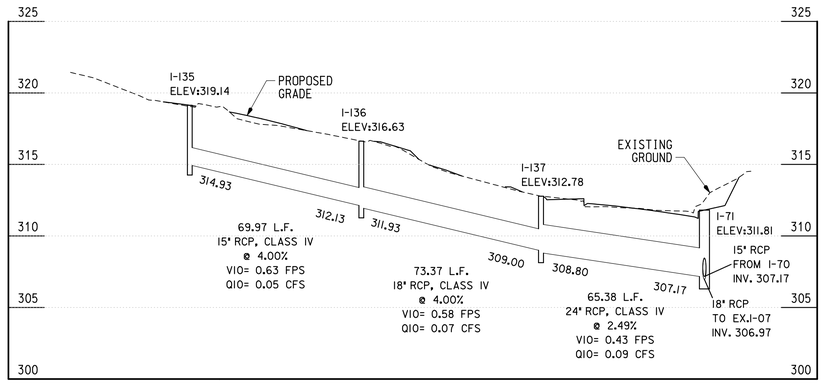


I-70 TO EX. I-11

SCALE: HOR. 1"=30'
VERT. 1"=5'

I-72 TO EX. I-07

SCALE: HOR. 1"=30'
VERT. 1"=5'



I-135 TO I-71

SCALE: HOR. 1"=30'
VERT. 1"=5'

5'
0
VERTICAL SCALE: 1"=5'
5'

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

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10150 York Road, Suite 200
Hunt Valley, Maryland 21030
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BY: nkern -

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways\Cadd-Drainage\pDP-V010_Tuckerman.dgn

PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE: 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : N.D.K. Drawn by : A.M.G. Checked by : M.J.B.

PLAN SHEET DP-10
DRAINAGE PROFILES
TUCKERMAN LANE
SIDEWALK/BIKEWAY

SCALE : AS SHOWN 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 55 of 171

TUCKERMAN LANE IS ASSUMED TO RUN IN WEST/EAST DIRECTION

EXISTING SIGNALS TO BE REMOVED

1a-8a, 9a-16a

R Y G

12"

16" LED COUNTDOWN PEDESTRIAN SIGNAL

EXISTING SIGNS TO BE REMOVED

25a,27a,29a,31a — ONLY — R3-5(L) (30"x36")

26a,28a — Gainsborough Rd — D-3(2) (VAR.X16")

30a,32a — Tuckerman La — D-3(2) (VAR.X16")

17a,20a,21a,24a — PUSH BUTTON TO CROSS GAINSBOROUGH RD; START CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; TIME REMAINING TO FINISH CROSSING; PEDESTRIANS SHOULD NOT BE IN CROSSWALK — R10-3(1) 9" x 15"

PROPOSED SIGNALS

1,3,5,7 — R Y G — 12"

2,4,6,8 — R Y G — 12"

9-16 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

PROPOSED SIGNS

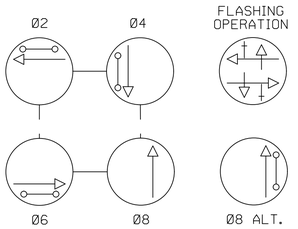
25,27,29,31 — ONLY — R3-5(L) (30"x36")

26,28 — Gainsborough Rd — D-3(1) (VAR.x16")

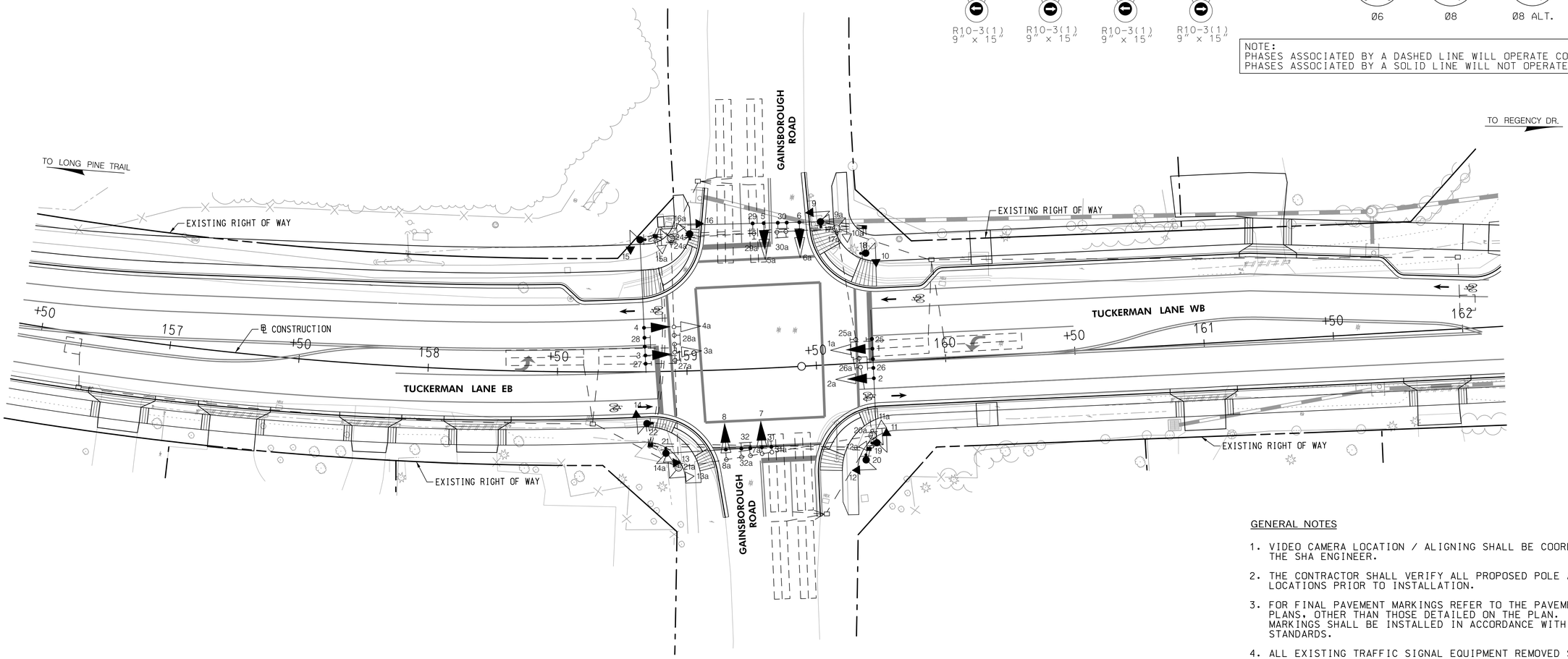
30,32 — Tuckerman La — D-3(1) (VAR.x16")

17,21 / 18,22 / 19,23 / 20,24 — PUSH BUTTON TO CROSS GAINSBOROUGH RD / TUCKERMAN LA; START CROSSING WATCH FOR TURNING VEHICLES; DON'T START FINISH CROSSING IF STARTED; TIME REMAINING TO FINISH CROSSING; PEDESTRIANS SHOULD NOT BE IN CROSSWALK; GAINSBOROUGH RD IN BRAILLE TYPE 2 / TUCKERMAN LA IN BRAILLE TYPE 2 — R10-3(1) 9" x 15"

NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
8. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

STORM DRAIN
GAS MAIN
WATER MAIN
SEWER MAIN
ELEC CABLES UG
ELEC CABLES OH
TELE CABLES UG
TELE CABLES OH
FIBER-OPTIC UG
FIBER-OPTIC OH

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410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com
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BY: SXiong

PROFESSIONAL CERTIFICATION

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
JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL — STATE OF MARYLAND — JOHN LONDON RECTANUS — No. 25173 — PROFESSIONAL ENGINEER

DATE: 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

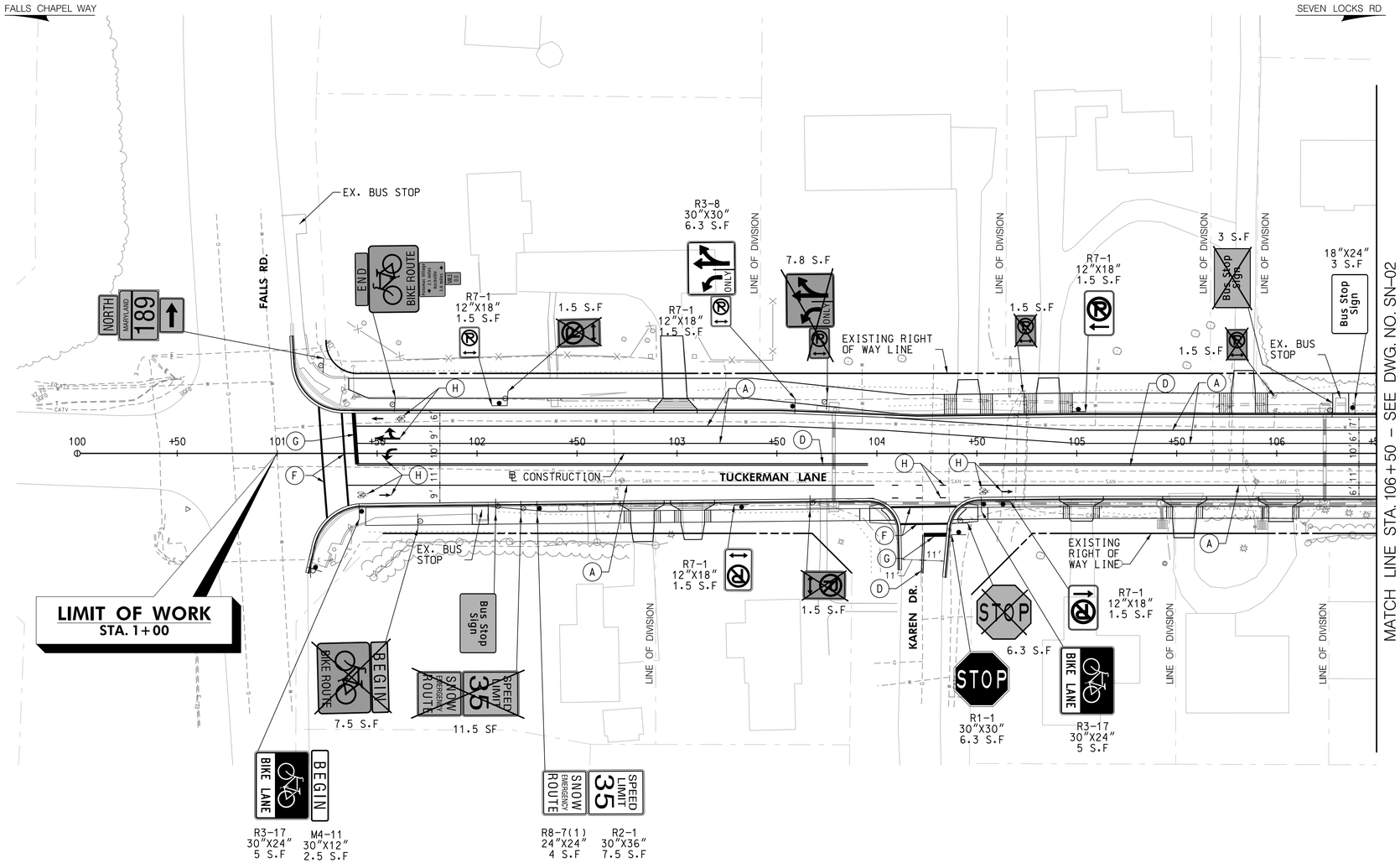
Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

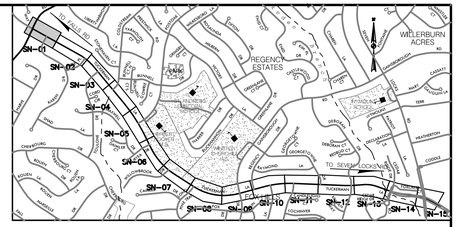
PLAN SHEET SG-01
SIGNAL PLAN
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 156+50 TO STA. 162+50

SCALE : 1"= 20' — 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 89 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pSG-P001_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

LEGEND

- PROPOSED SIGN & SUPPORT
- EXISTING SIGN & SUPPORT TO REMAIN
- EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)
(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

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BY: SXiong -

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pSN-2001_Tuckerman.dgn

PROFESSIONAL CERTIFICATION

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023
DATE: 9/17-2021

SEAL
STATE OF MARYLAND
JOHN LINDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

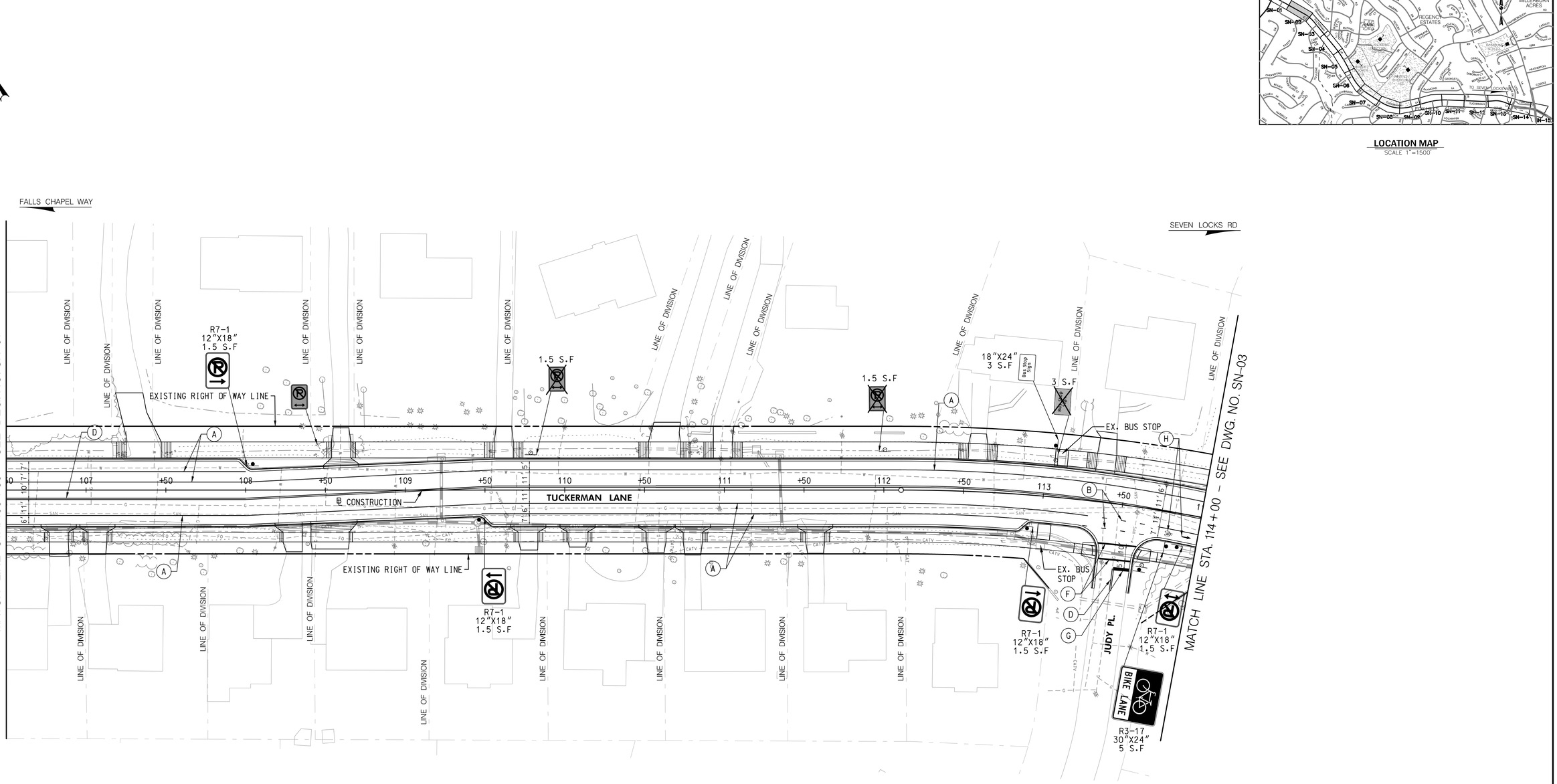
RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET SN-01
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 100+00 TO STA. 106+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 90 of 171



LOCATION MAP
SCALE 1"=1500'

LEGEND

- PROPOSED SIGN & SUPPORT
- EXISTING SIGN & SUPPORT TO REMAIN
- EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)
(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

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BY: SXiong

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pSN-2002_Tuckerman.dgn

PROFESSIONAL CERTIFICATION

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LINDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

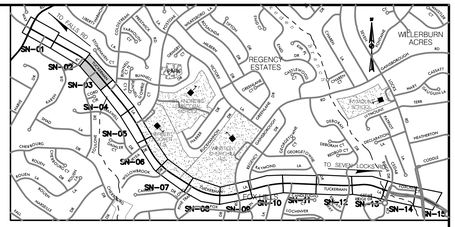
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

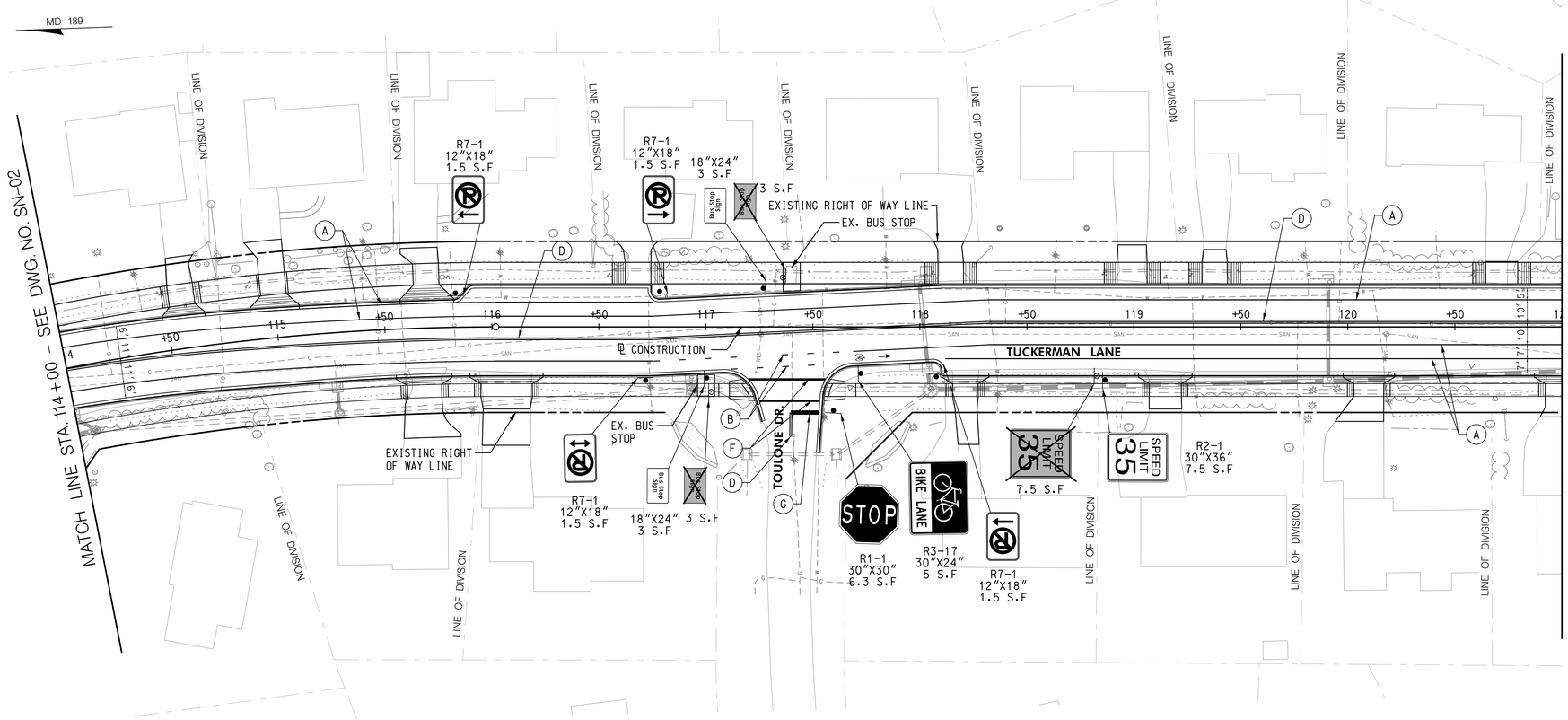
PLAN SHEET SN-02
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 106+50 TO STA. 114+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 91 of 171



LOCATION MAP
SCALE 1"=1500'



LEGEND

- PROPOSED SIGN & SUPPORT
- EXISTING SIGN & SUPPORT TO REMAIN
- EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)
(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

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BY: SXiong

PROFESSIONAL CERTIFICATION

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LINDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET SN-03
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 114+00 TO STA. 121+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 92 of 171

PLOTTED: 9/17/2021
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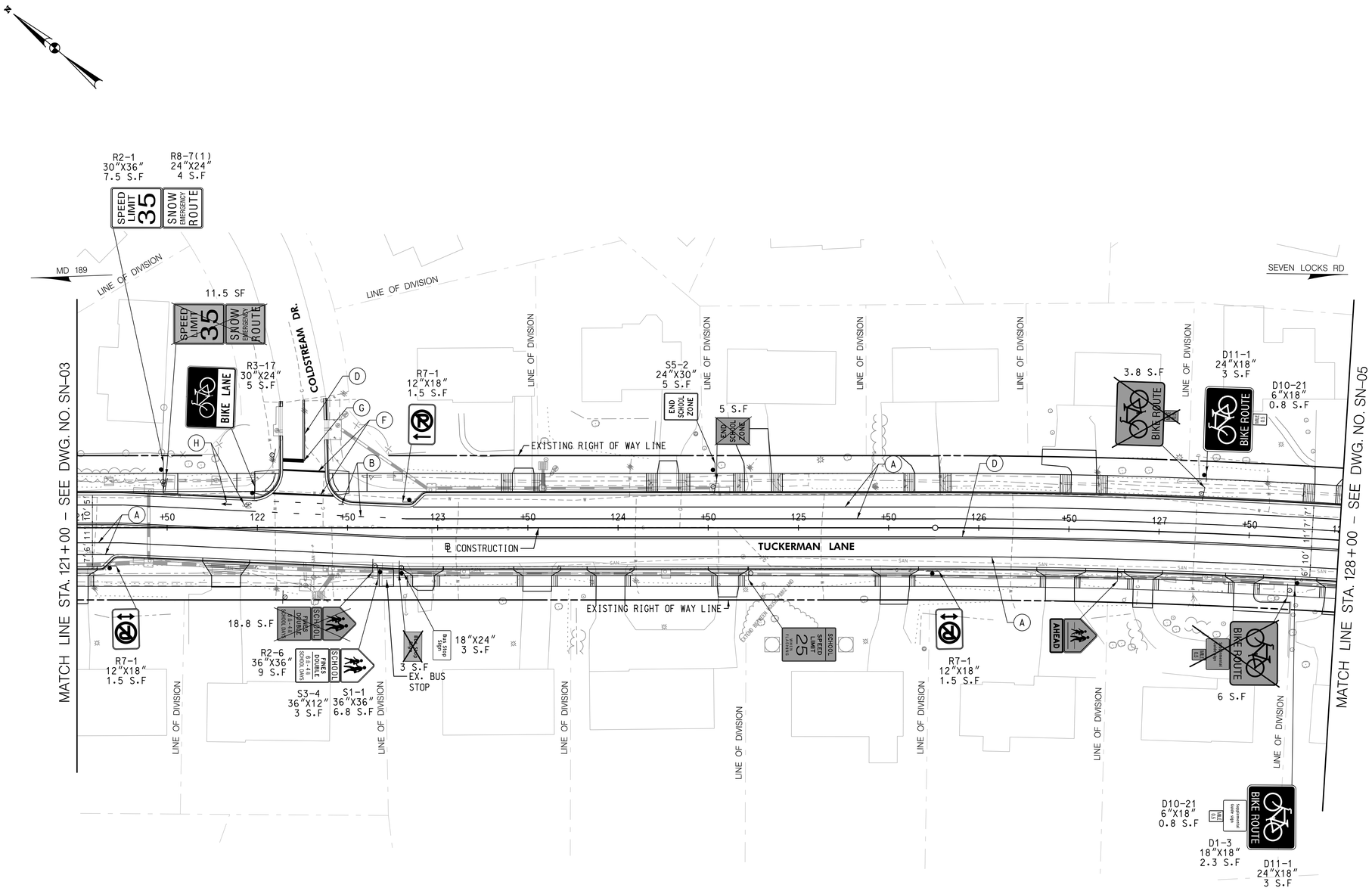

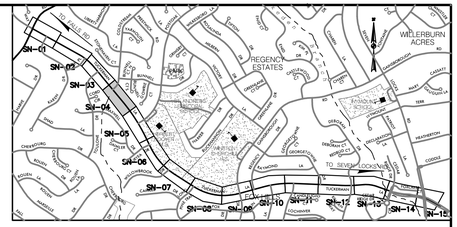

LOCATION MAP
SCALE 1"=1500'

LEGEND

PROPOSED SIGN & SUPPORT

EXISTING SIGN & SUPPORT TO REMAIN

EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING

(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)

(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)

(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING

(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING

(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING

(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)

(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

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PROFESSIONAL CERTIFICATION

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LINDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE 06/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

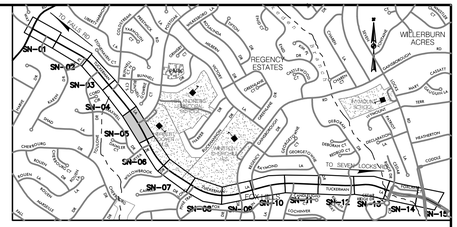
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.K. Checked by : J.L.R.

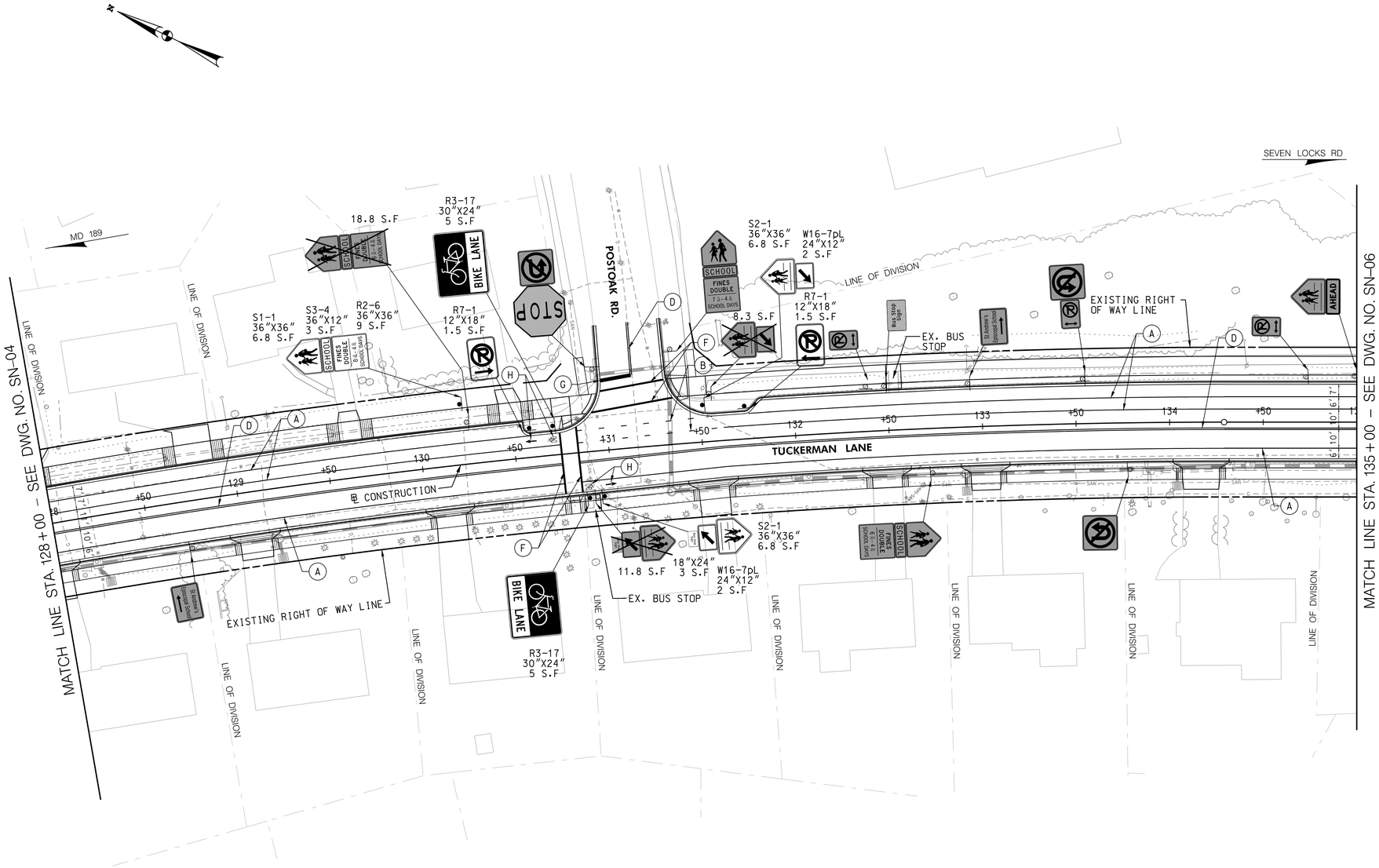
PLAN SHEET SN-04
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 121+00 TO STA. 128+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 93 of 171



LOCATION MAP
SCALE 1"=1500'



LEGEND

- PROPOSED SIGN & SUPPORT
- EXISTING SIGN & SUPPORT TO REMAIN
- EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)
(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

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PROFESSIONAL CERTIFICATION

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL — STATE OF MARYLAND — JOHN LONDON RECTANUS — No. 25173 — PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET SN-05
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 128+00 TO STA. 135+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 94 of 171

BY: SXiong –

PLOTTED: 9/17/2021
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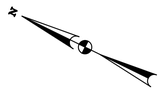
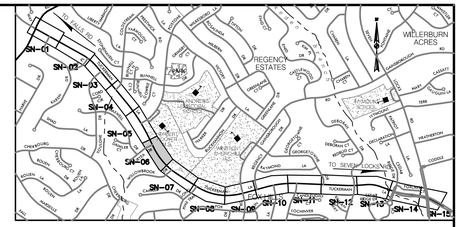
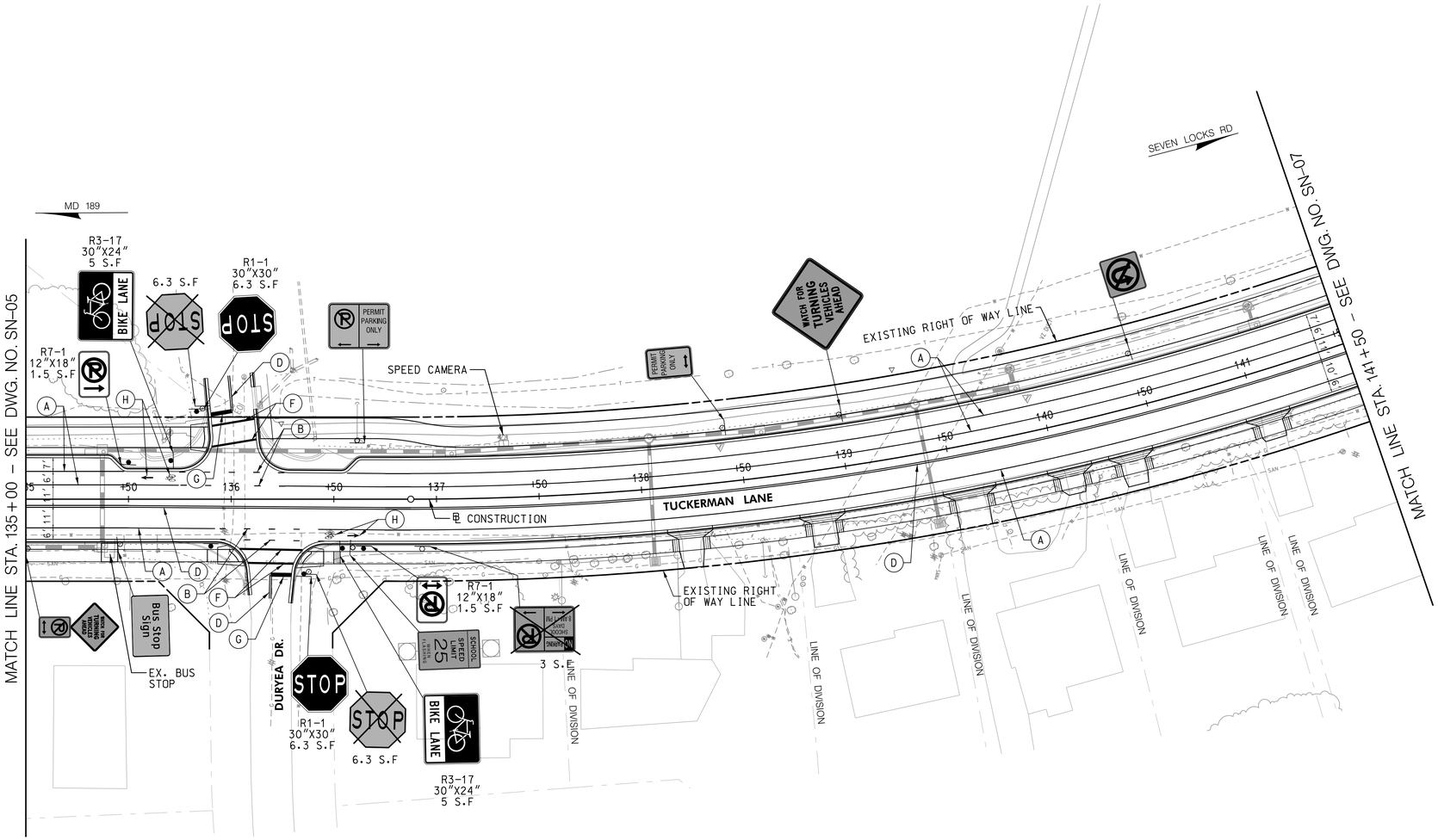




LOCATION MAP
SCALE 1"=1500'



LEGEND

- PROPOSED SIGN & SUPPORT
- EXISTING SIGN & SUPPORT TO REMAIN
- EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
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(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)
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BY: SXiong –

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

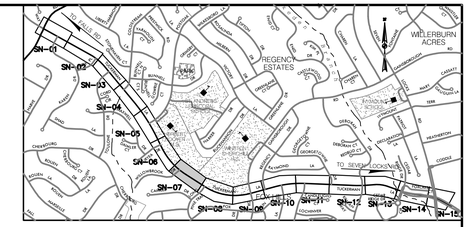
Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET SN-06
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 135+00 TO STA. 141+50

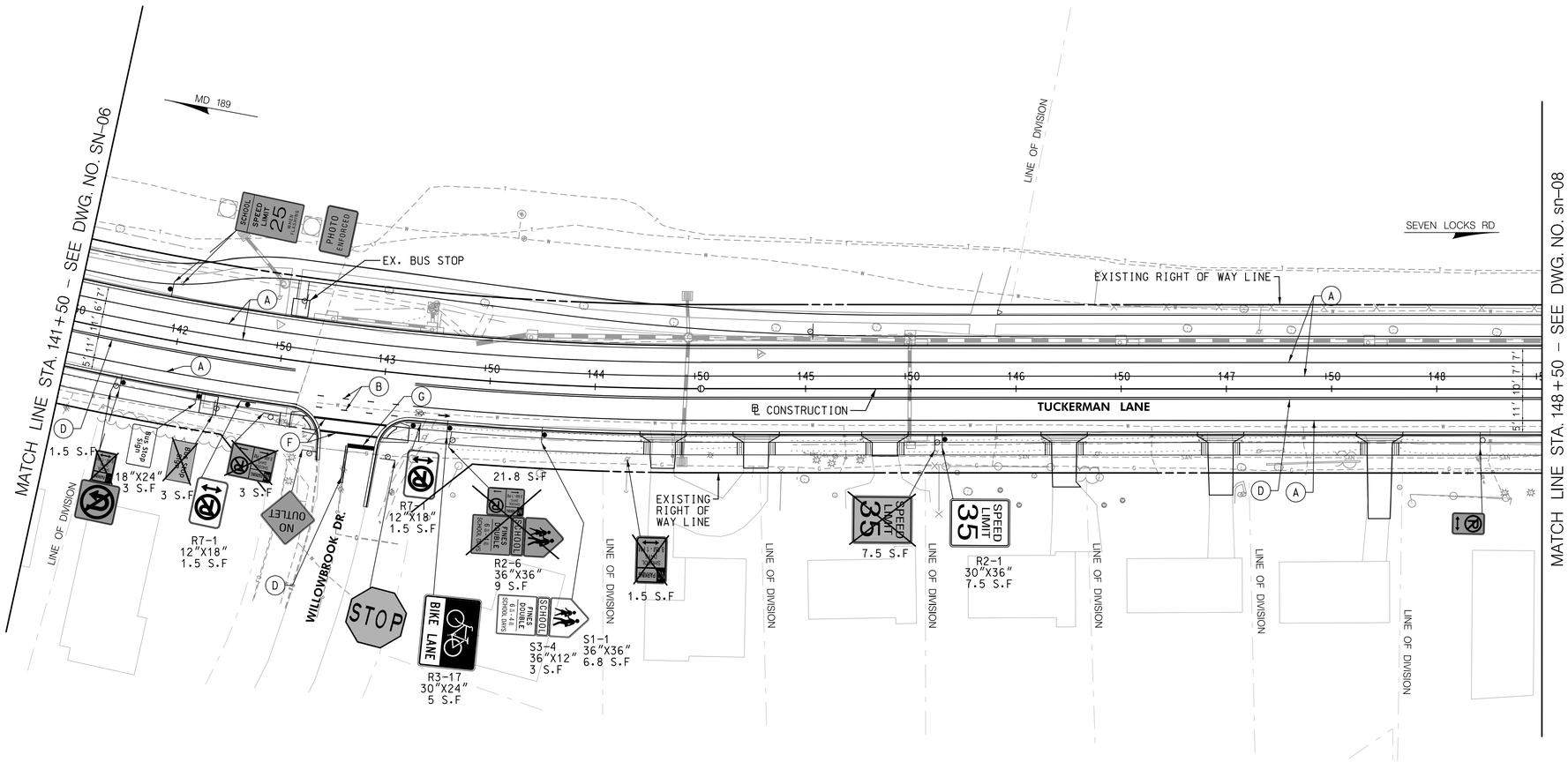
SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 95 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_ip\SN-2006_Tuckerman.dgn



LOCATION MAP
SCALE 1"=1500'



LEGEND

PROPOSED SIGN & SUPPORT

EXISTING SIGN & SUPPORT TO REMAIN

EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING

(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)

(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)

(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING

(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING

(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING

(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)

(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

WALLACE MONTGOMERY
ENGINEERS·PLANNERS·SURVEYORS·CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
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BY: SXiong –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pSN-2007_Tuckerman.dgn

PROFESSIONAL CERTIFICATION

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, JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9-17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

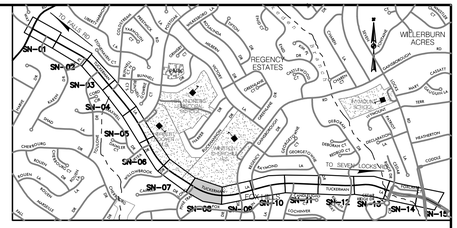
Chief, Division of Engineering Services Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

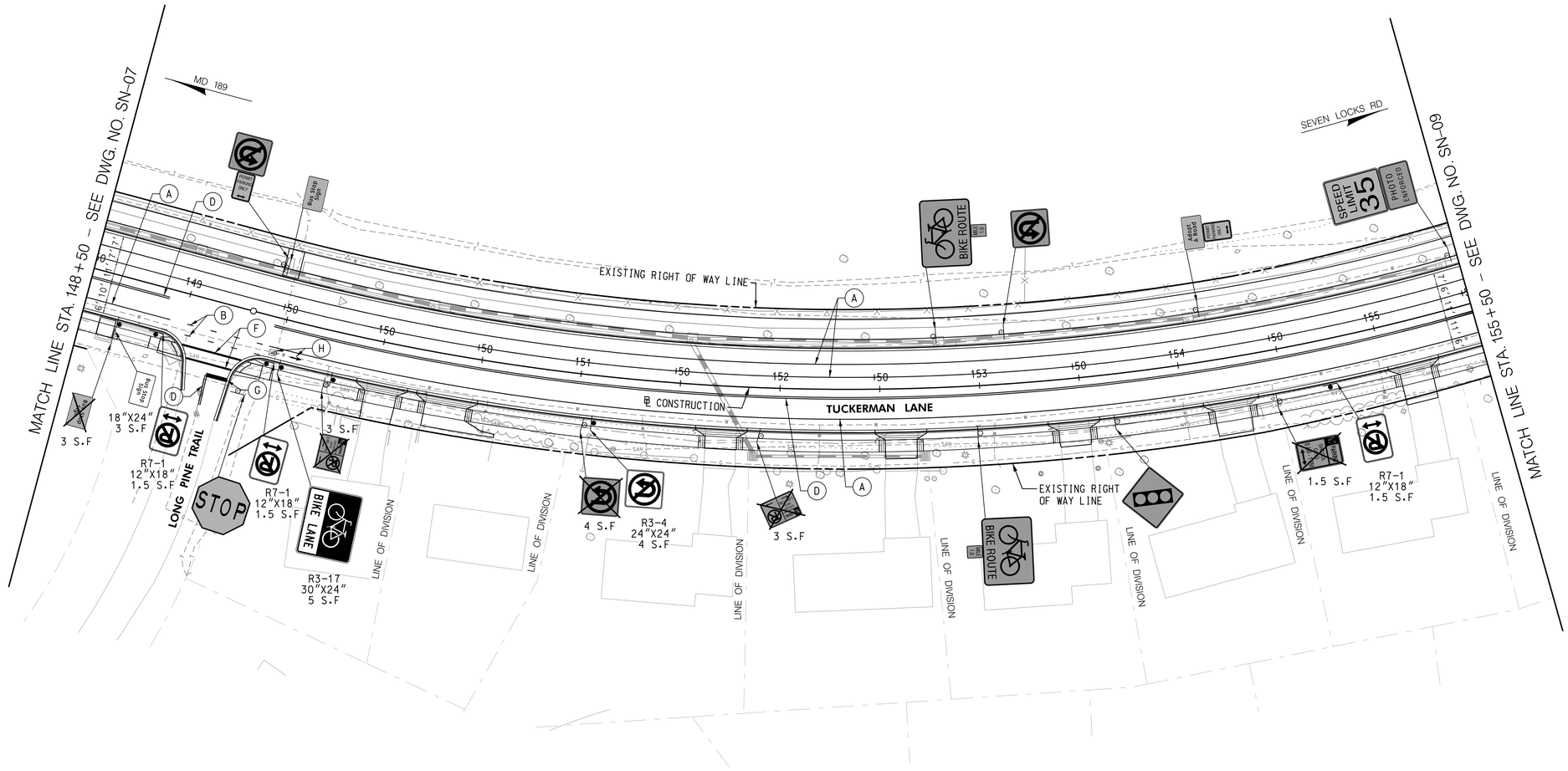
PLAN SHEET SN-07
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 141+50 TO STA. 148+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 96 of 171



LOCATION MAP
SCALE 1"=1500'



LEGEND

- PROPOSED SIGN & SUPPORT
- EXISTING SIGN & SUPPORT TO REMAIN
- EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)
(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

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A Limited Liability Partnership

BY: SXiong

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pSN-2008_Tuckerman.dgn

PROFESSIONAL CERTIFICATION

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, JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LINDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER

DATE : 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

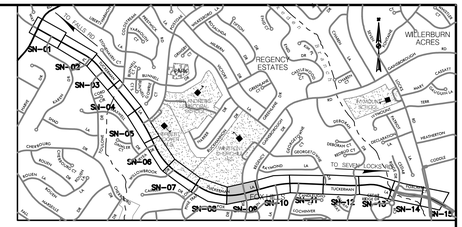
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

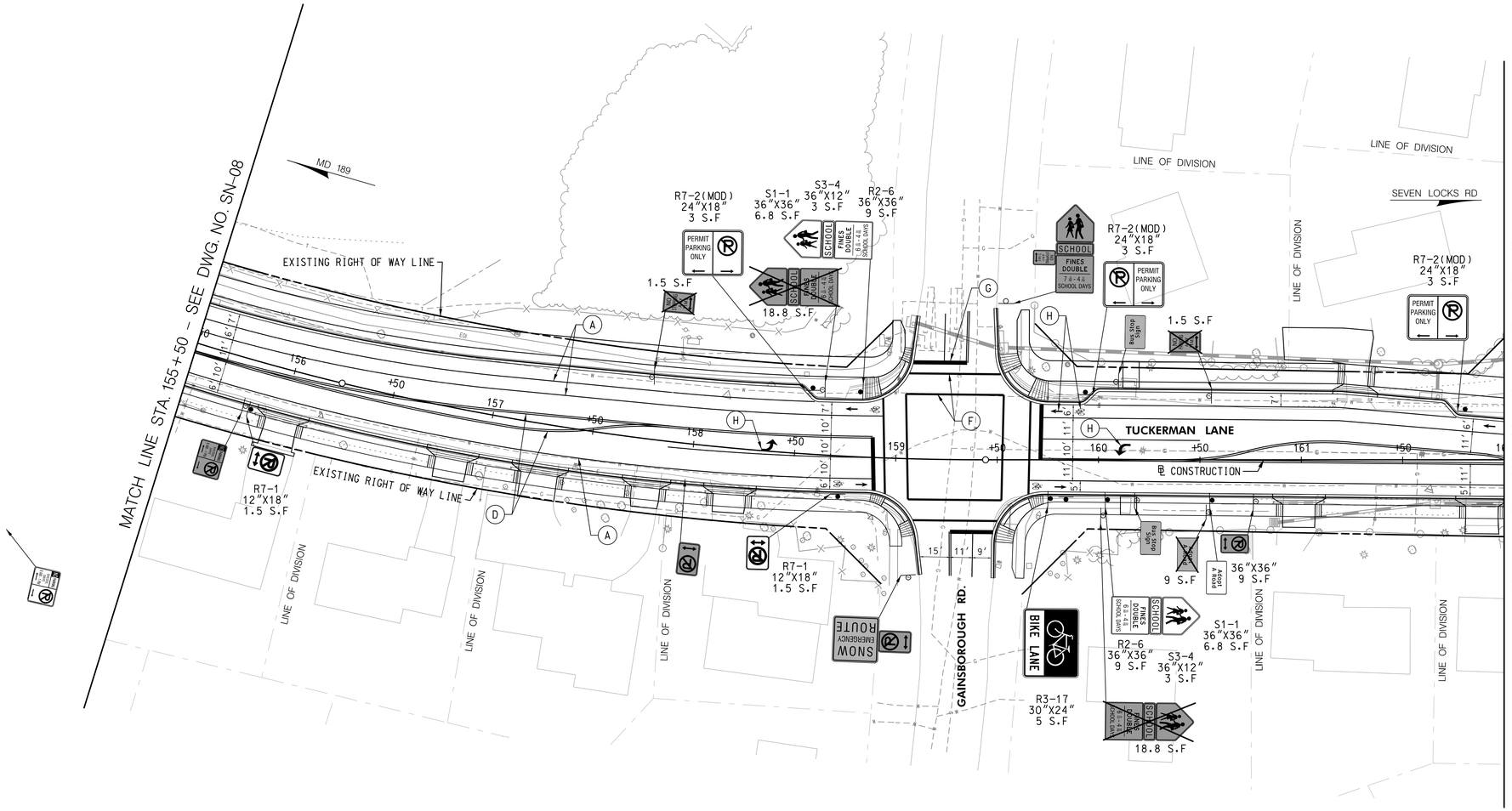
PLAN SHEET SN-08
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 148+50 TO STA. 155+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 97 of 171



LOCATION MAP
SCALE 1"=1500'



LEGEND

- PROPOSED SIGN & SUPPORT
- EXISTING SIGN & SUPPORT TO REMAIN
- EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)
(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

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BY: SXiong –

PROFESSIONAL CERTIFICATION

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL — STATE OF MARYLAND — JOHN LINDON RECTANUS — No. 25173 — PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET SN-09
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 155+50 TO STA. 162+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 98 of 171

PLOTTED: 9/17/2021
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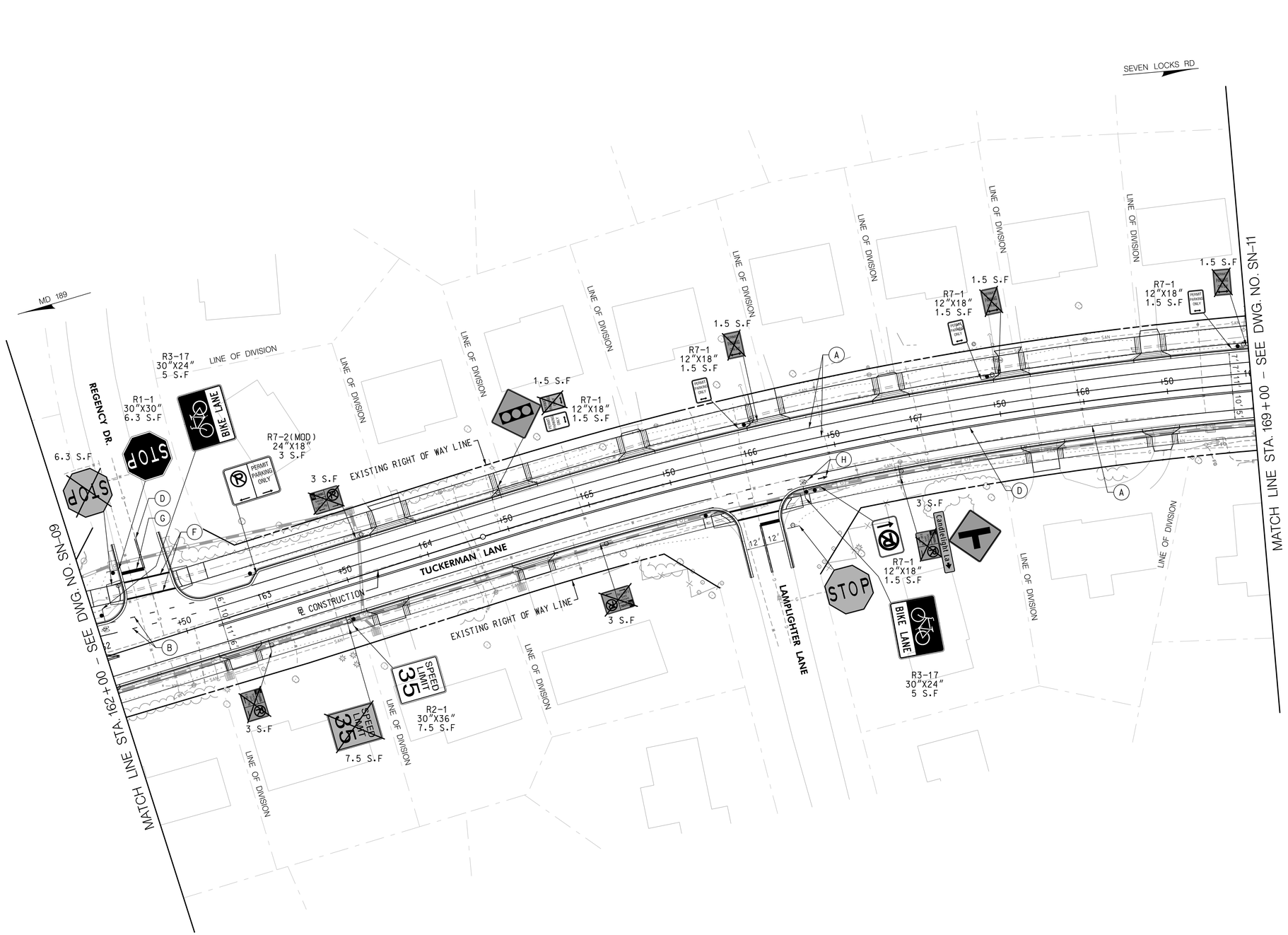

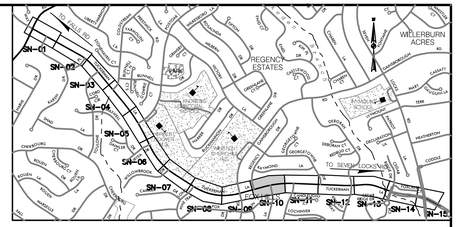

LOCATION MAP
SCALE 1"=1500'

LEGEND

- PROPOSED SIGN & SUPPORT
- EXISTING SIGN & SUPPORT TO REMAIN
- EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)
(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

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BY: SXiong -

PROFESSIONAL CERTIFICATION

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE 9-17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section Date
APPROVED
Chief, Division of Engineering Services Date

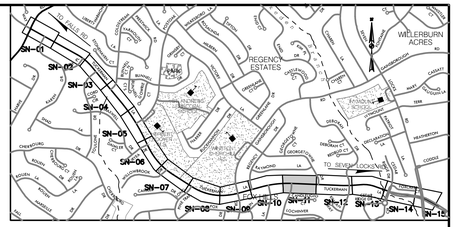
Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET SN-10
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 162+00 TO STA. 169+00

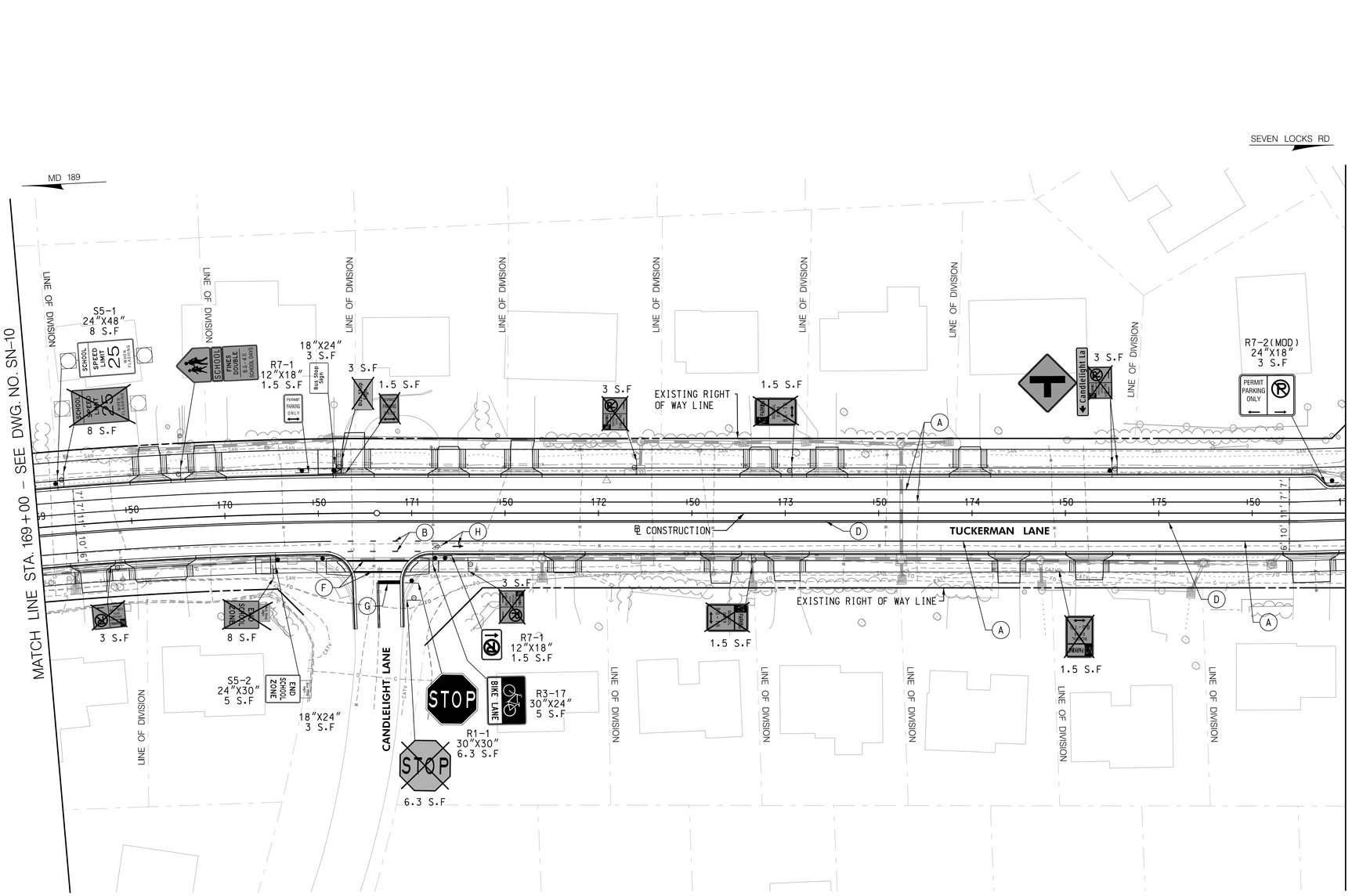
SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 99 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pSN-2010_Tuckerman.dgn



LOCATION MAP
SCALE 1"=1500'



LEGEND

- PROPOSED SIGN & SUPPORT
- EXISTING SIGN & SUPPORT TO REMAIN
- EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)
(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

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BY: SXiong –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pSN-2011_Tuckerman.dgn

PROFESSIONAL CERTIFICATION

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.
JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9-17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

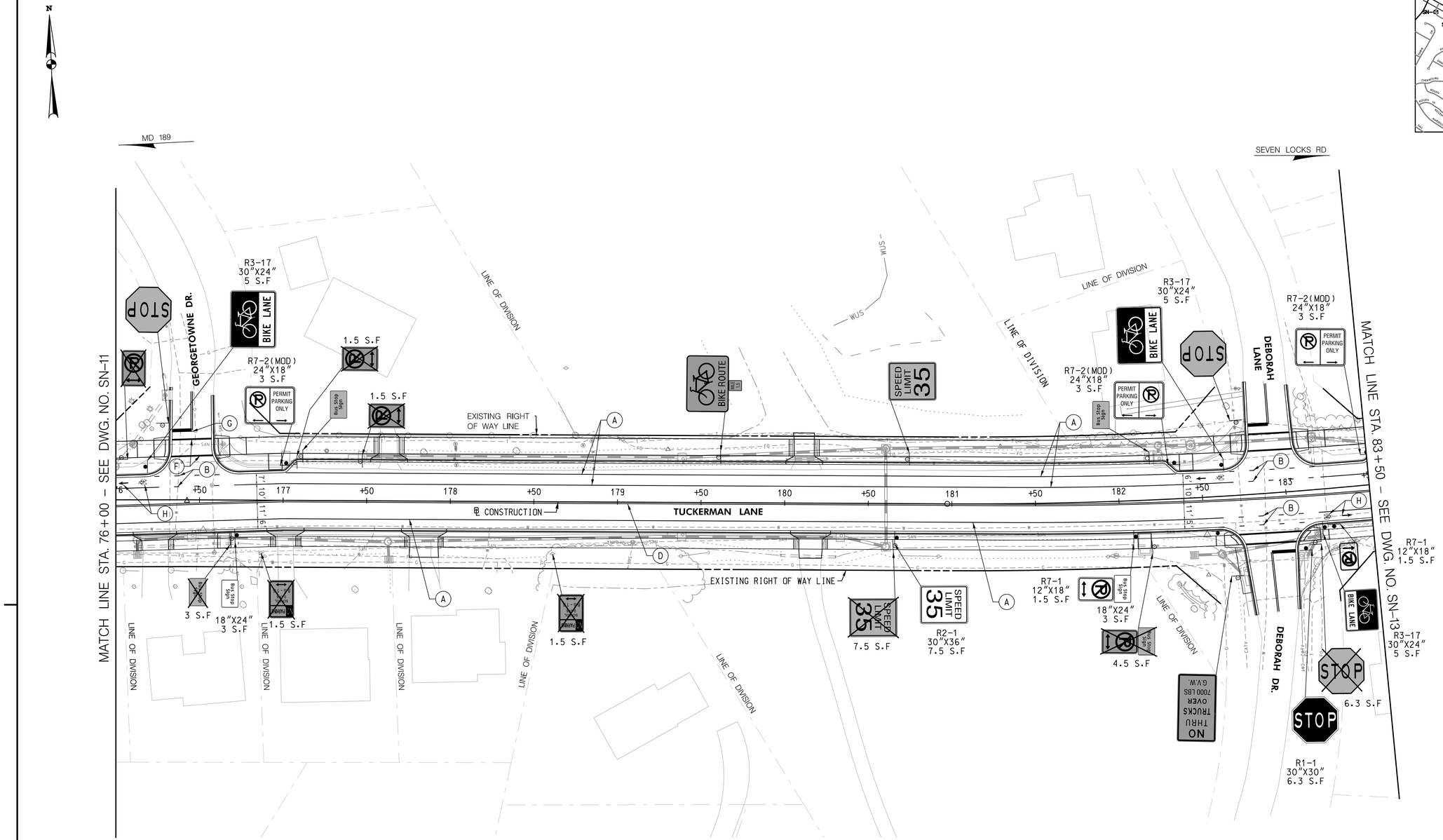
RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

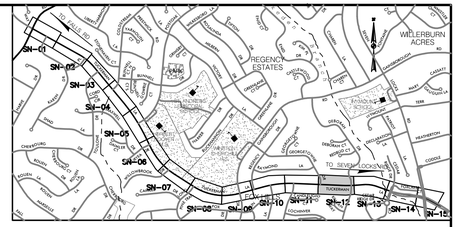
Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET SN-11
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 169+00 TO STA. 176+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 100 of 171





LOCATION MAP
SCALE 1"=1500'

LEGEND

- PROPOSED SIGN & SUPPORT
- EXISTING SIGN & SUPPORT TO REMAIN
- EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)
(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

WALLACE MONTGOMERY
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BY: SXiong

PROFESSIONAL CERTIFICATION

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LINDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET SN-12
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 176+00 TO STA. 183+50

SCALE : 1"= 30 — 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 101 of 171

PLOTTED: 9/17/2021
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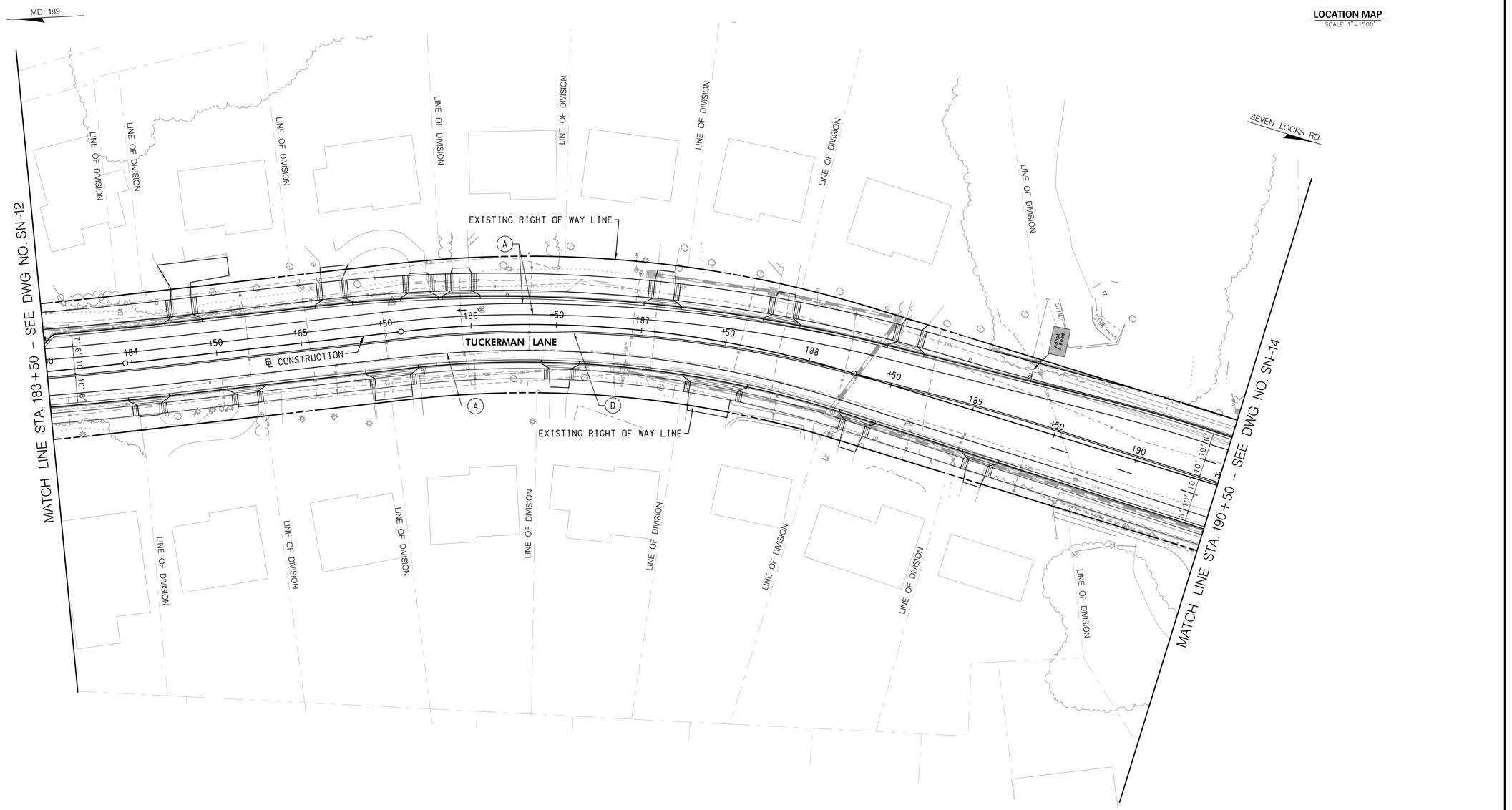

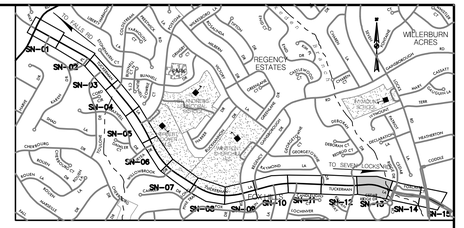

LOCATION MAP
SCALE 1"=1500'

LEGEND

- PROPOSED SIGN & SUPPORT
- EXISTING SIGN & SUPPORT TO REMAIN
- EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)
(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

WALLACE MONTGOMERY
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BY: SXiong –

PROFESSIONAL CERTIFICATION

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LINDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET SN-13
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 183+50 TO STA. 190+50

SCALE : 1"= 30
09/2021

Project No. : C.I.P. PR. # 501744 SHEET 102 of 171

PLOTTED: 9/17/2021
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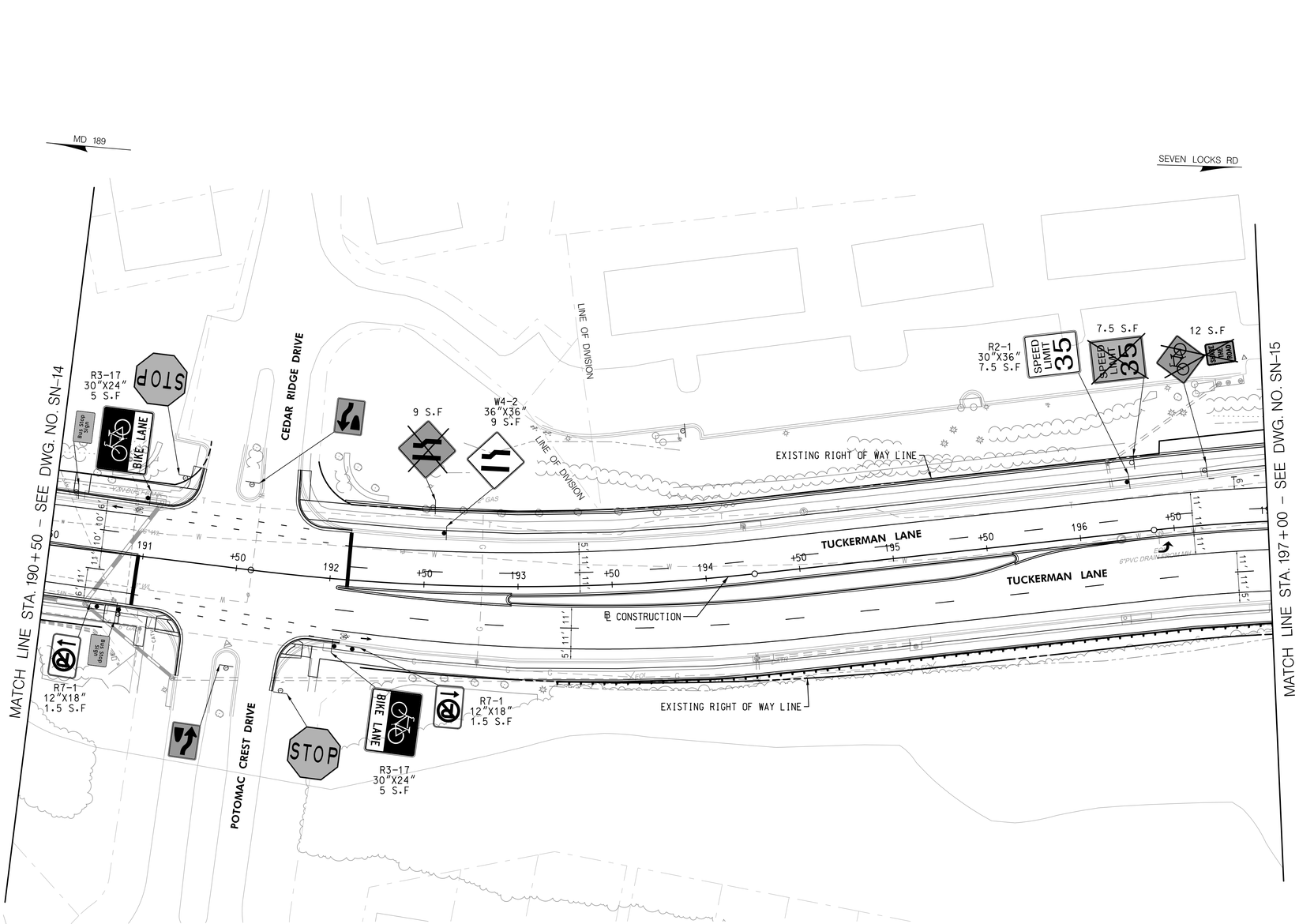

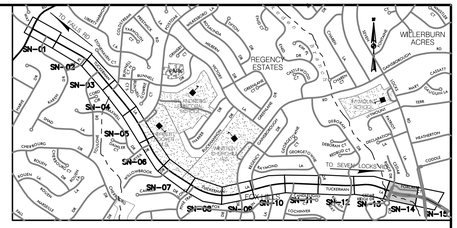

LOCATION MAP
SCALE 1"=1500'

LEGEND

- PROPOSED SIGN & SUPPORT
- EXISTING SIGN & SUPPORT TO REMAIN
- EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)
(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

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BY: SXiong

PROFESSIONAL CERTIFICATION

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL — STATE OF MARYLAND — JOHN LINDON RECTANUS — No. 25173 — PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

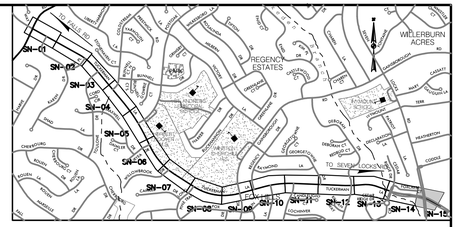
RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

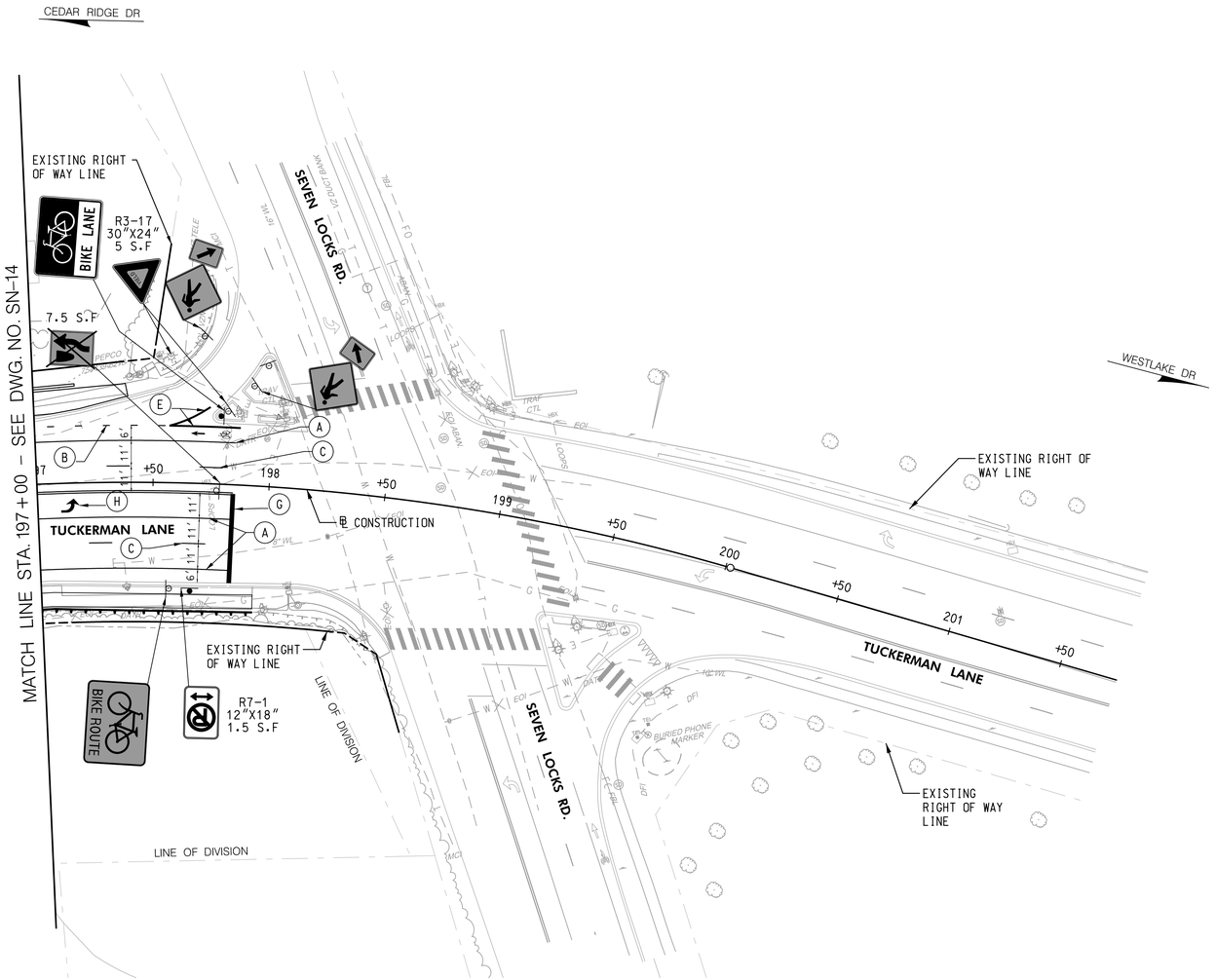
PLAN SHEET SN-14
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 190+50 TO STA. 197+00

SCALE : 1" = 30' 09/2021
Project No. : C.I.P. PR. # 501744 SHEET 103 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_lp\SN-2014_Tuckerman.dgn



LOCATION MAP
SCALE 1"=1500'



LEGEND

PROPOSED SIGN & SUPPORT

EXISTING SIGN & SUPPORT TO REMAIN

EXISTING SIGN & SUPPORT TO BE REMOVED

(A) 5" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING

(B) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)

(C) 5" DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)

(D) 5" SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING

(E) 10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING

(F) 12" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING

(G) 24" SOLID WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING (STOP LINE)

(H) HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS AND SYMBOLS

WALLACE MONTGOMERY
ENGINEERS·PLANNERS·SURVEYORS·CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: SXiong –

PROFESSIONAL CERTIFICATION

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.
JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE 9-17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

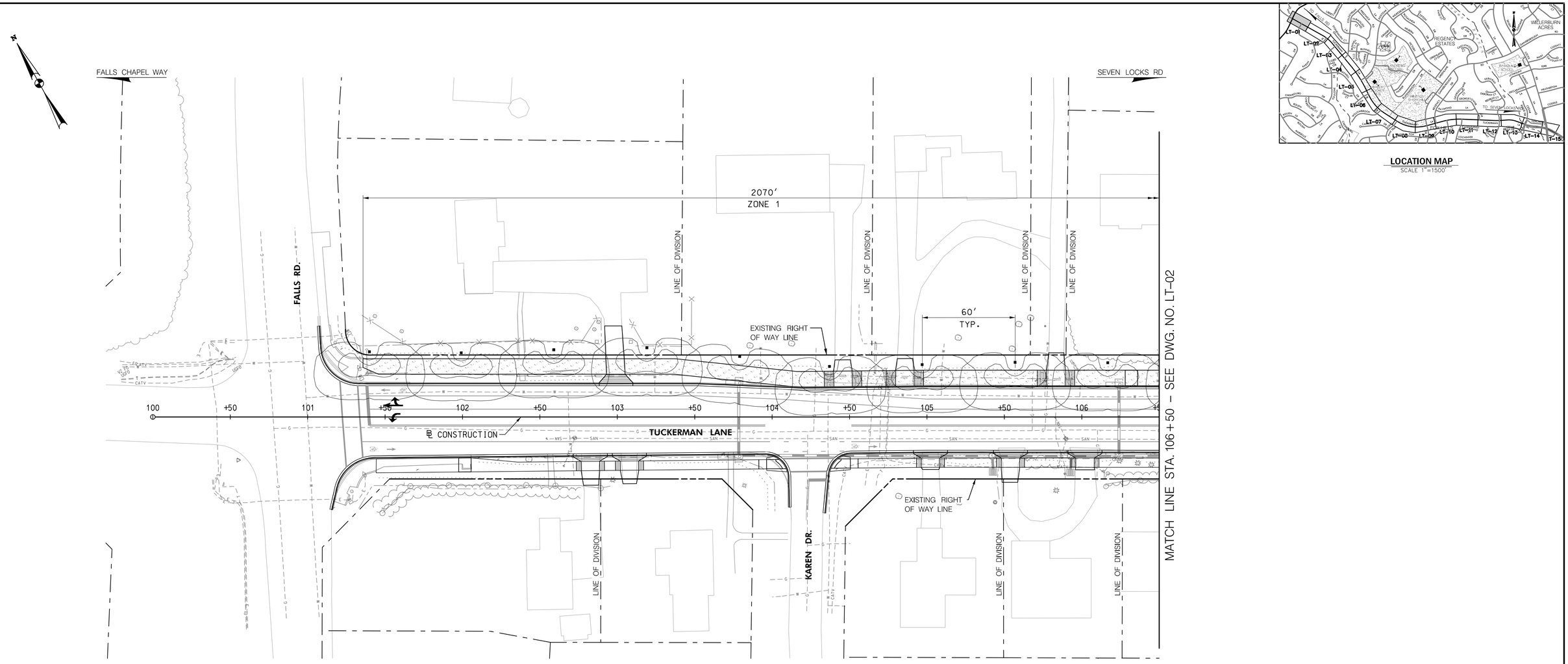
Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET SN-15
SIGNING AND MARKING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 197+00 TO STA. 201+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 104 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pSN-2015_Tuckerman.dgn



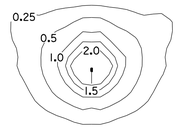
LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

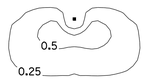
Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
Zone 2 - From Coldstream Dr to Postoak Rd	Major/Collector	3.10	0.40	0.40	0.96	4.00	2.40
Zone 3 - From Postoak Rd to Duryea Dr	Major/Collector	3.20	0.40	0.40	1.12	4.00	2.80
Zone 4 - From Duryea Dr to Gainsborough Rd	Major/Collector	3.10	0.20	0.40	0.72	4.00	3.60
Zone 5 - From Gainsborough Rd to Regency Dr	Major/Collector	3.10	0.20	0.40	0.77	4.00	3.85
Zone 6 - From Regency Dr to Georgetowne Dr	Major/Collector	3.20	0.30	0.40	1.15	4.00	3.83
Zone 7 - From Georgetowne Dr to Deborah Dr	Major/Collector	3.20	0.30	0.40	1.01	4.00	3.37
Zone 8 - From Deborah Dr to Cedar Ridge Dr	Major/Collector	3.10	0.30	0.40	1.09	4.00	3.63
Zone 9 - From Cedar Ridge Dr to Seven Locks Rd	Major/Collector	0.70	0.20	0.40	0.58	4.00	2.90
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT
(40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE
(113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
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10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: SXiong –

PROFESSIONAL CERTIFICATION

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, JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17/2021

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

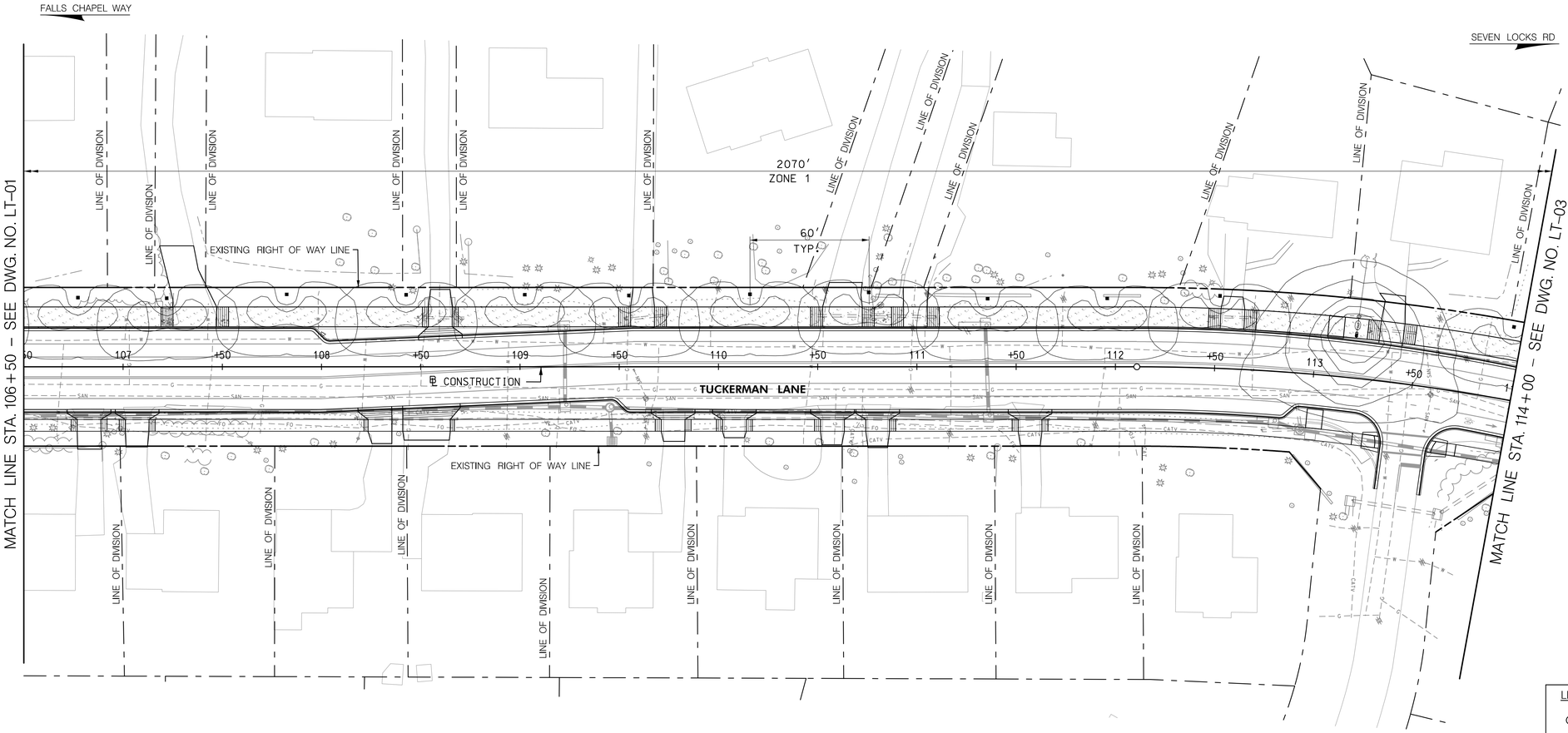
Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

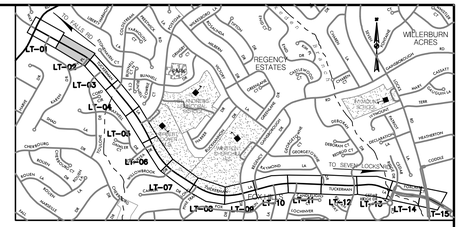
PLAN SHEET LT-01
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 100+00 TO STA. 106+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 105 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P001_Tuckerman.dgn





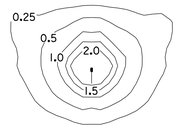
LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

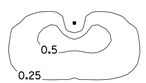
Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
Zone 2 - From Coldstream Dr to Postoak Rd	Major/Collector	3.10	0.40	0.40	0.96	4.00	2.40
Zone 3 - From Postoak Rd to Duryea Dr	Major/Collector	3.20	0.40	0.40	1.12	4.00	2.80
Zone 4 - From Duryea Dr to Gainsborough Rd	Major/Collector	3.10	0.20	0.40	0.72	4.00	3.60
Zone 5 - From Gainsborough Rd to Regency Dr	Major/Collector	3.10	0.20	0.40	0.77	4.00	3.85
Zone 6 - From Regency Dr to Georgetowne Dr	Major/Collector	3.20	0.30	0.40	1.15	4.00	3.83
Zone 7 - From Georgetowne Dr to Deborah Dr	Major/Collector	3.20	0.30	0.40	1.01	4.00	3.37
Zone 8 - From Deborah Dr to Cedar Ridge Dr	Major/Collector	3.10	0.30	0.40	1.09	4.00	3.63
Zone 9 - From Cedar Ridge Dr to Seven Locks Rd	Major/Collector	0.70	0.20	0.40	0.58	4.00	2.90
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT
(40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE
(113 TOTAL)

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10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: SXiong –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P002_Tuckerman.dgn

PROFESSIONAL CERTIFICATION

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.
JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL — STATE OF MARYLAND — JOHN LINDON RECTANUS — No. 25173 — PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

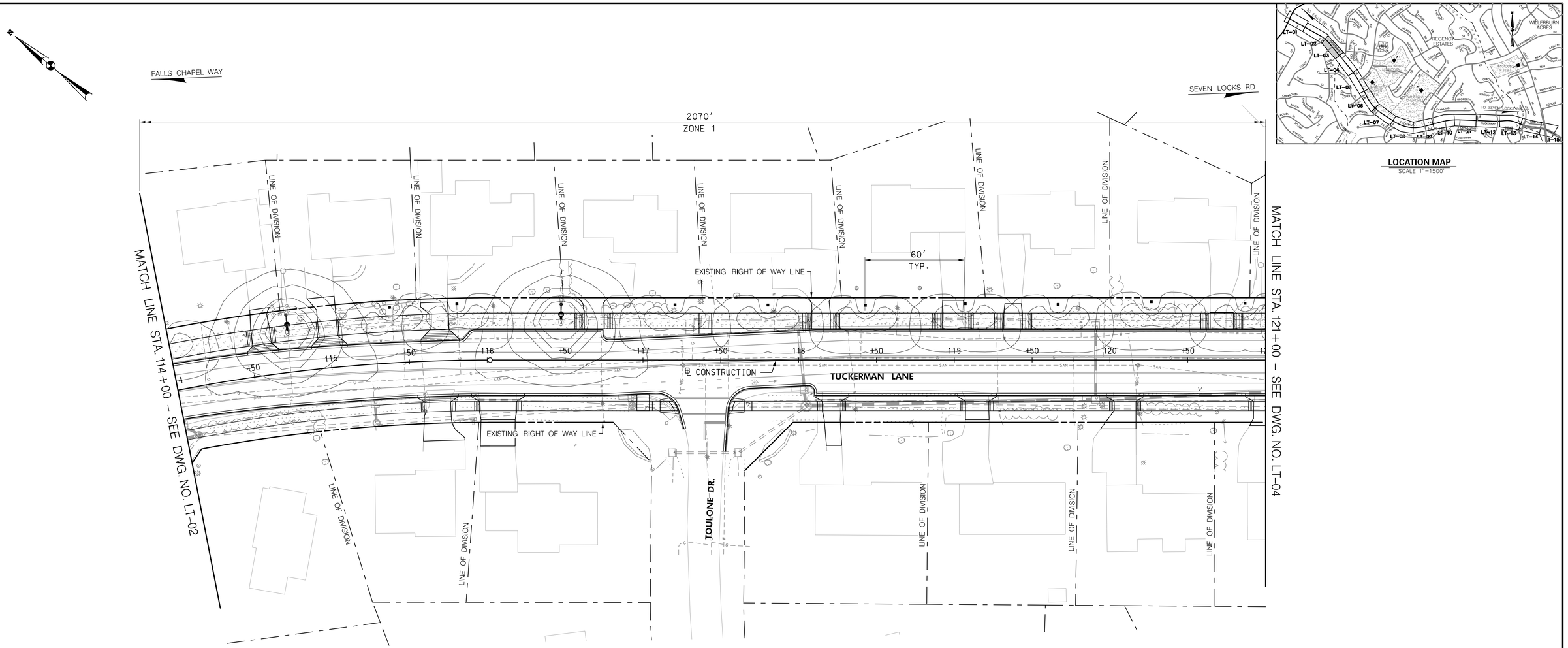
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET LT-02
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 106+50 TO STA. 114+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 106 of 171



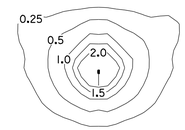
LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

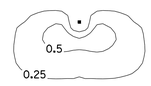
Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
Zone 2 - From Coldstream Dr to Postoak Rd	Major/Collector	3.10	0.40	0.40	0.96	4.00	2.40
Zone 3 - From Postoak Rd to Duryea Dr	Major/Collector	3.20	0.40	0.40	1.12	4.00	2.80
Zone 4 - From Duryea Dr to Gainsborough Rd	Major/Collector	3.10	0.20	0.40	0.72	4.00	3.60
Zone 5 - From Gainsborough Rd to Regency Dr	Major/Collector	3.10	0.20	0.40	0.77	4.00	3.85
Zone 6 - From Regency Dr to Georgetowne Dr	Major/Collector	3.20	0.30	0.40	1.15	4.00	3.83
Zone 7 - From Georgetowne Dr to Deborah Dr	Major/Collector	3.20	0.30	0.40	1.01	4.00	3.37
Zone 8 - From Deborah Dr to Cedar Ridge Dr	Major/Collector	3.10	0.30	0.40	1.09	4.00	3.63
Zone 9 - From Cedar Ridge Dr to Seven Locks Rd	Major/Collector	0.70	0.20	0.40	0.58	4.00	2.90
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT
(40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE
(113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

PROFESSIONAL CERTIFICATION

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, JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17-2021

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET LT-03
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 114+00 TO STA. 121+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 107 of 171

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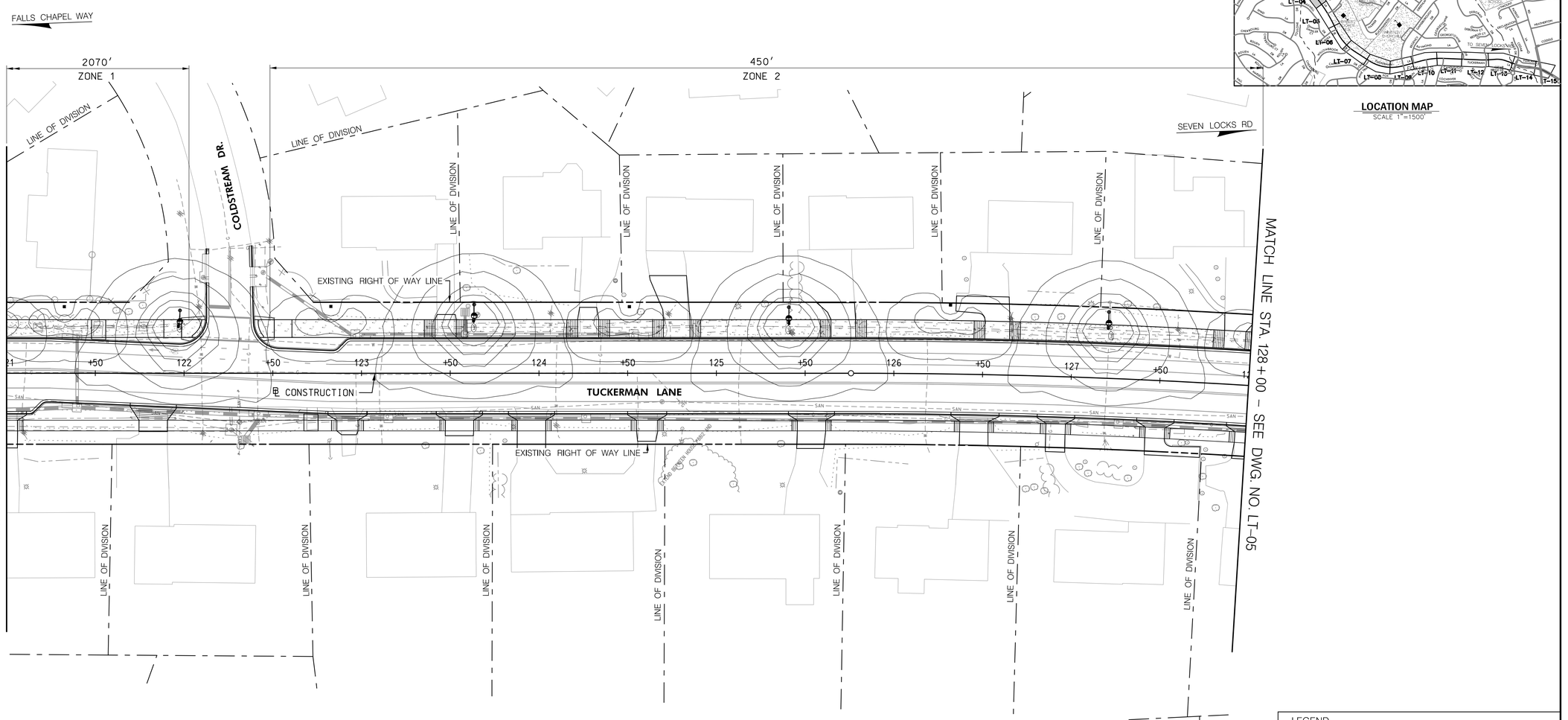
www.WallaceMontgomery.com A Limited Liability Partnership

BY: SXiong –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P003_Tuckerman.dgn



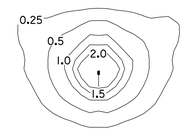
LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

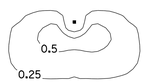
Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
Zone 2 - From Coldstream Dr to Postoak Rd	Major/Collector	3.10	0.40	0.40	0.96	4.00	2.40
Zone 3 - From Postoak Rd to Duryea Dr	Major/Collector	3.20	0.40	0.40	1.12	4.00	2.80
Zone 4 - From Duryea Dr to Gainsborough Rd	Major/Collector	3.10	0.20	0.40	0.72	4.00	3.60
Zone 5 - From Gainsborough Rd to Regency Dr	Major/Collector	3.10	0.20	0.40	0.77	4.00	3.85
Zone 6 - From Regency Dr to Georgetowne Dr	Major/Collector	3.20	0.30	0.40	1.15	4.00	3.83
Zone 7 - From Georgetowne Dr to Deborah Dr	Major/Collector	3.20	0.30	0.40	1.01	4.00	3.37
Zone 8 - From Deborah Dr to Cedar Ridge Dr	Major/Collector	3.10	0.30	0.40	1.09	4.00	3.63
Zone 9 - From Cedar Ridge Dr to Seven Locks Rd	Major/Collector	0.70	0.20	0.40	0.58	4.00	2.90
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT (40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE (113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LINDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17/2021

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET LT-04
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 121+00 TO STA. 128+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 108 of 171

WALLACE MONTGOMERY
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Hunt Valley, Maryland 21030
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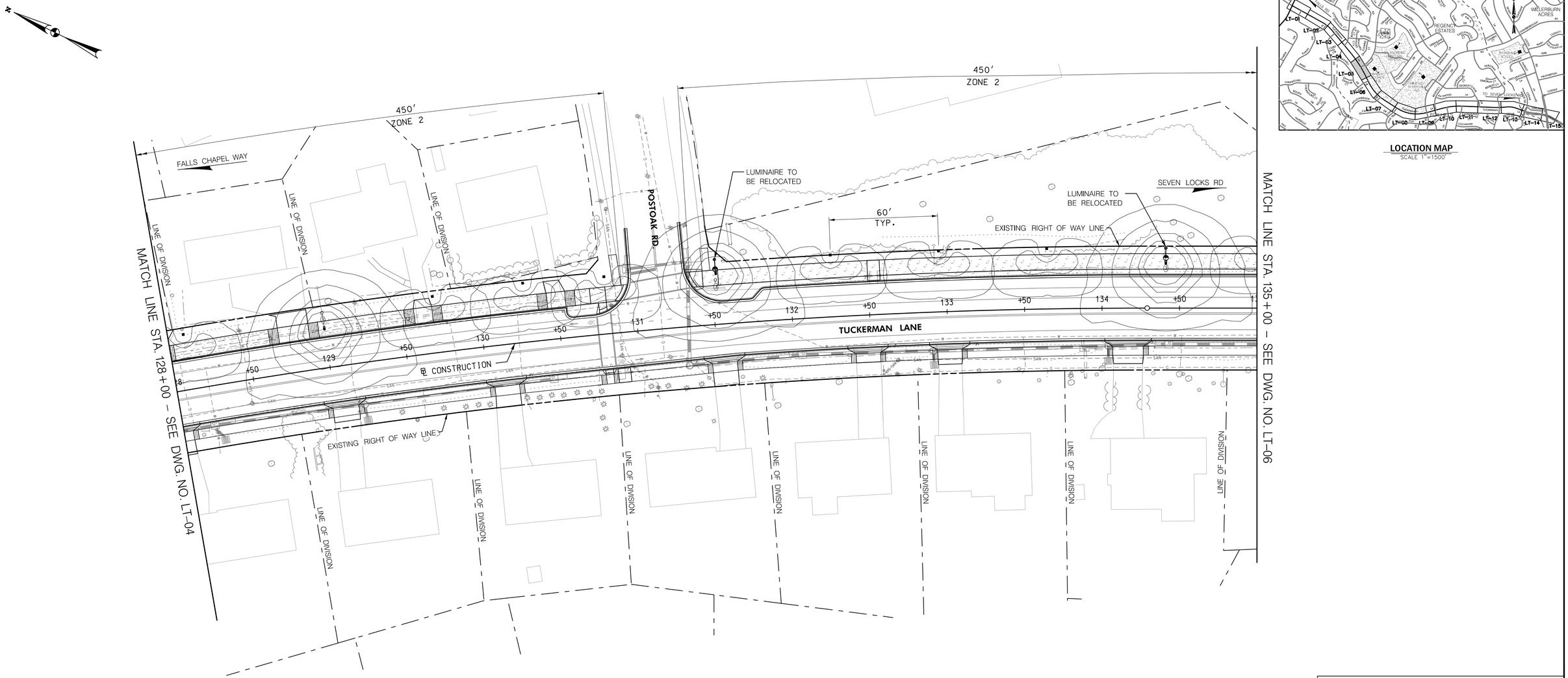
www.WallaceMontgomery.com A Limited Liability Partnership

BY: SXiong -

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P004_Tuckerman.dgn



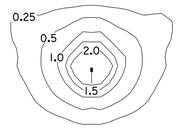
LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

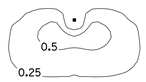
Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
Zone 2 - From Coldstream Dr to Postoak Rd	Major/Collector	3.10	0.40	0.40	0.96	4.00	2.40
Zone 3 - From Postoak Rd to Duryea Dr	Major/Collector	3.20	0.40	0.40	1.12	4.00	2.80
Zone 4 - From Duryea Dr to Gainsborough Rd	Major/Collector	3.10	0.20	0.40	0.72	4.00	3.60
Zone 5 - From Gainsborough Rd to Regency Dr	Major/Collector	3.10	0.20	0.40	0.77	4.00	3.85
Zone 6 - From Regency Dr to Georgetowne Dr	Major/Collector	3.20	0.30	0.40	1.15	4.00	3.83
Zone 7 - From Georgetowne Dr to Deborah Dr	Major/Collector	3.20	0.30	0.40	1.01	4.00	3.37
Zone 8 - From Deborah Dr to Cedar Ridge Dr	Major/Collector	3.10	0.30	0.40	1.09	4.00	3.63
Zone 9 - From Cedar Ridge Dr to Seven Locks Rd	Major/Collector	0.70	0.20	0.40	0.58	4.00	2.90
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT
(40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE
(113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

PROFESSIONAL CERTIFICATION

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
JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023
DATE: 9/17-2021

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.K. Checked by : J.L.R.

PLAN SHEET LT-05
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 128+00 TO STA. 135+00

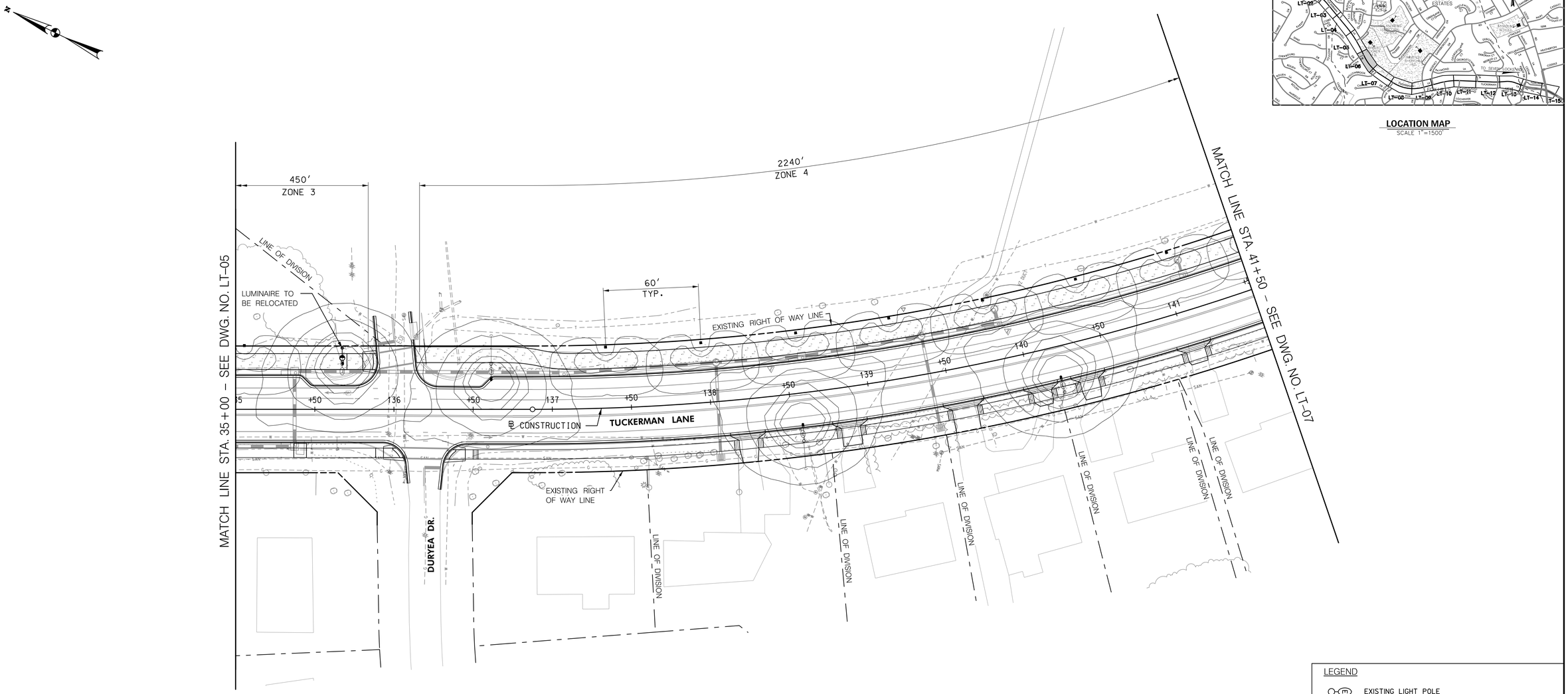
SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 109 of 171

WALLACE MONTGOMERY
ENGINEERS·PLANNERS·SURVEYORS·CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: SXiong -

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P005_Tuckerman.dgn



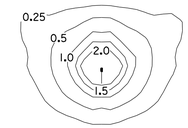
LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

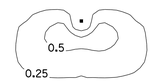
Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
Zone 2 - From Coldstream Dr to Postoak Rd	Major/Collector	3.10	0.40	0.40	0.96	4.00	2.40
Zone 3 - From Postoak Rd to Duryea Dr	Major/Collector	3.20	0.40	0.40	1.12	4.00	2.80
Zone 4 - From Duryea Dr to Gainsborough Rd	Major/Collector	3.10	0.20	0.40	0.72	4.00	3.60
Zone 5 - From Gainsborough Rd to Regency Dr	Major/Collector	3.10	0.20	0.40	0.77	4.00	3.85
Zone 6 - From Regency Dr to Georgetowne Dr	Major/Collector	3.20	0.30	0.40	1.15	4.00	3.83
Zone 7 - From Georgetowne Dr to Deborah Dr	Major/Collector	3.20	0.30	0.40	1.01	4.00	3.37
Zone 8 - From Deborah Dr to Cedar Ridge Dr	Major/Collector	3.10	0.30	0.40	1.09	4.00	3.63
Zone 9 - From Cedar Ridge Dr to Seven Locks Rd	Major/Collector	0.70	0.20	0.40	0.58	4.00	2.90
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT
(40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE
(113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET LT-06
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 135+00 TO STA. 141+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 110 of 171

NO.	REVISION	DATE	BY

SEAL

DATE : 09-17-2021

PROFESSIONAL CERTIFICATION

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.
JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

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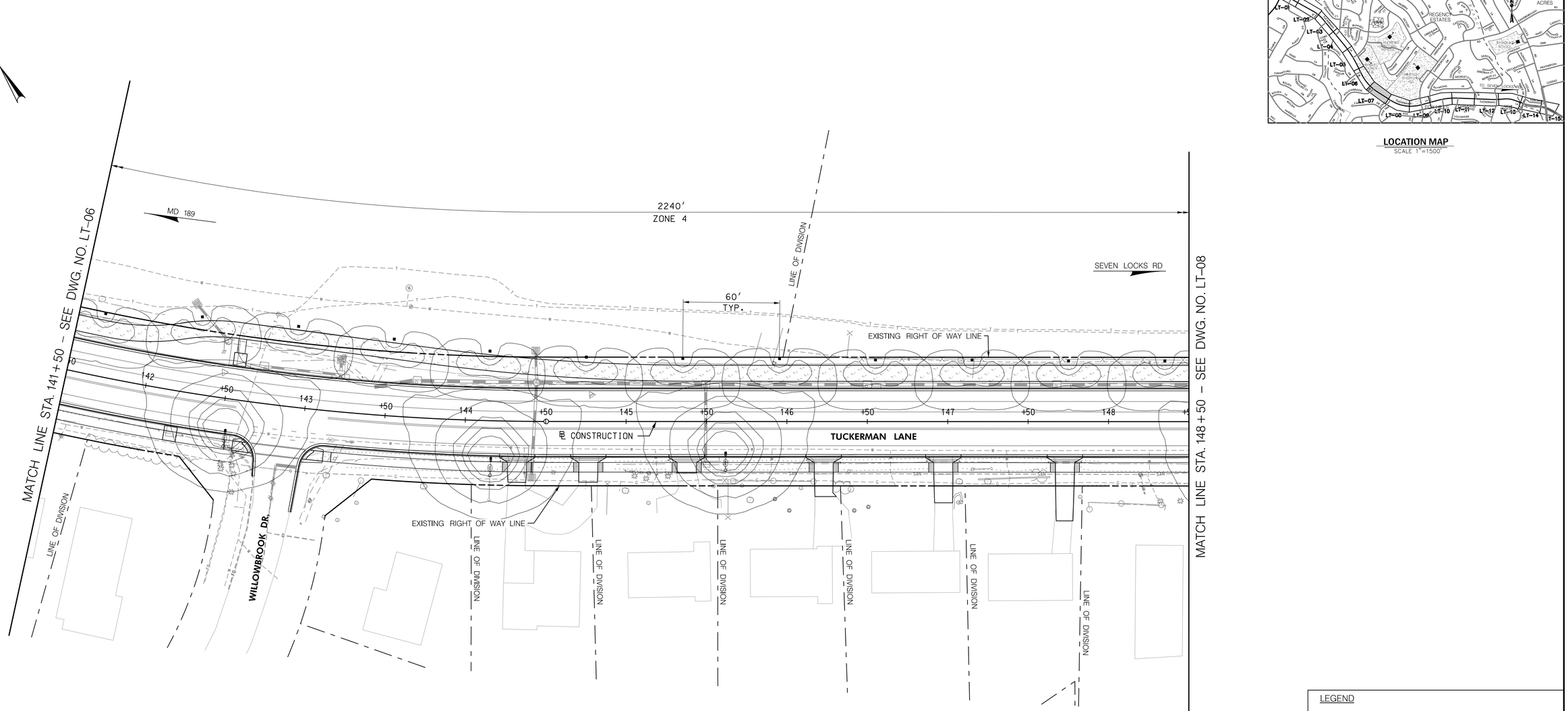
BY: SXiong –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P006_Tuckerman.dgn



LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
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Zone 3 - From Postoak Rd to Duryea Dr	Major/Collector	3.20	0.40	0.40	1.12	4.00	2.80
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LEGEND

- EXISTING LIGHT POLE
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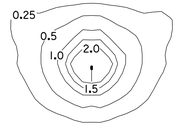
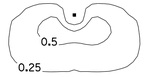
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT
(40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE
(113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17/2021

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

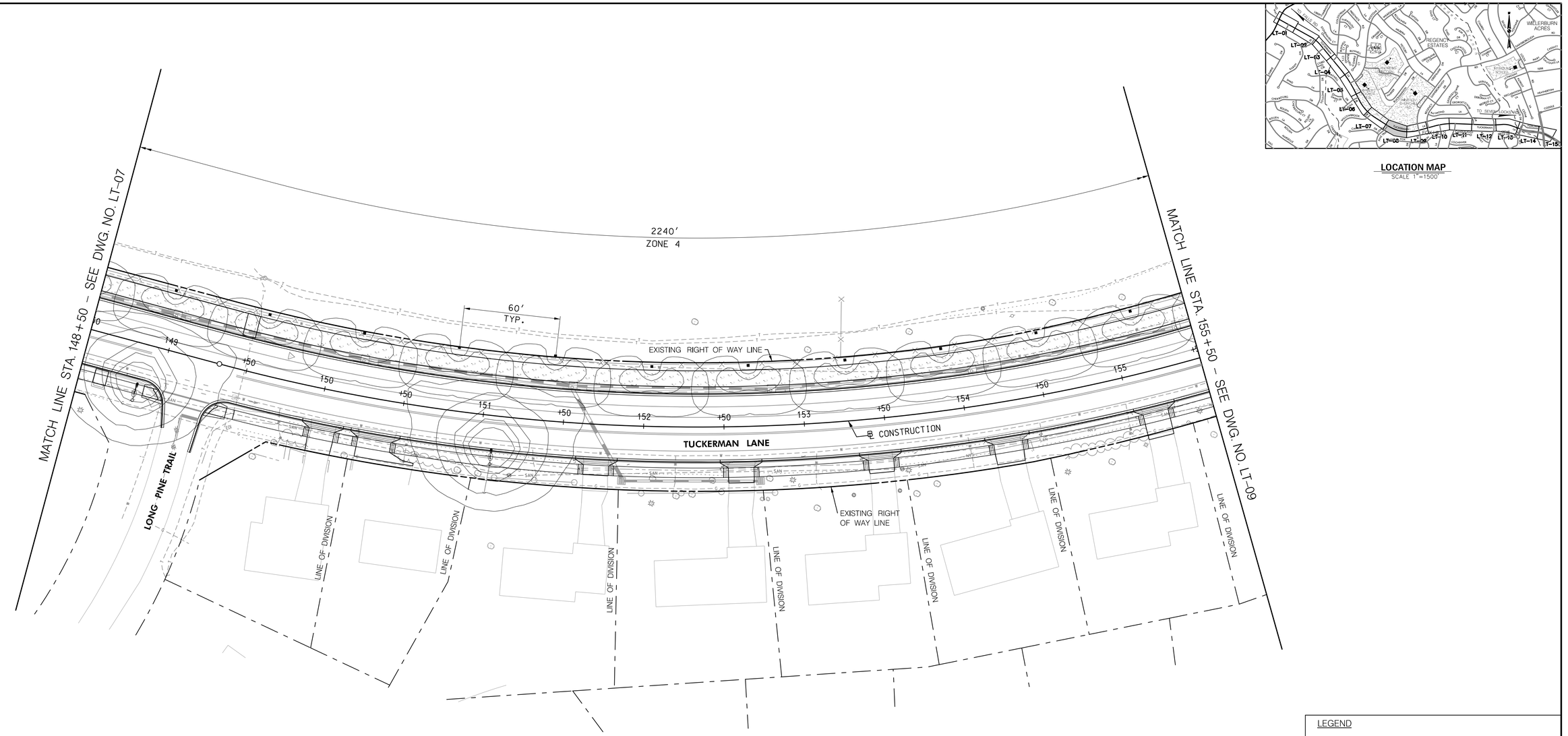
PLAN SHEET LT-07
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 141+50 TO STA. 148+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 111 of 171

BY: SXiong –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P007_Tuckerman.dgn



LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
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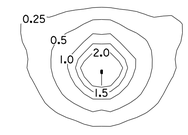
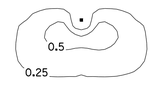
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT
(40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE
(113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS • PLANNERS • SURVEYORS • CONSTRUCTION MANAGERS
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SEAL
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JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17/2021

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

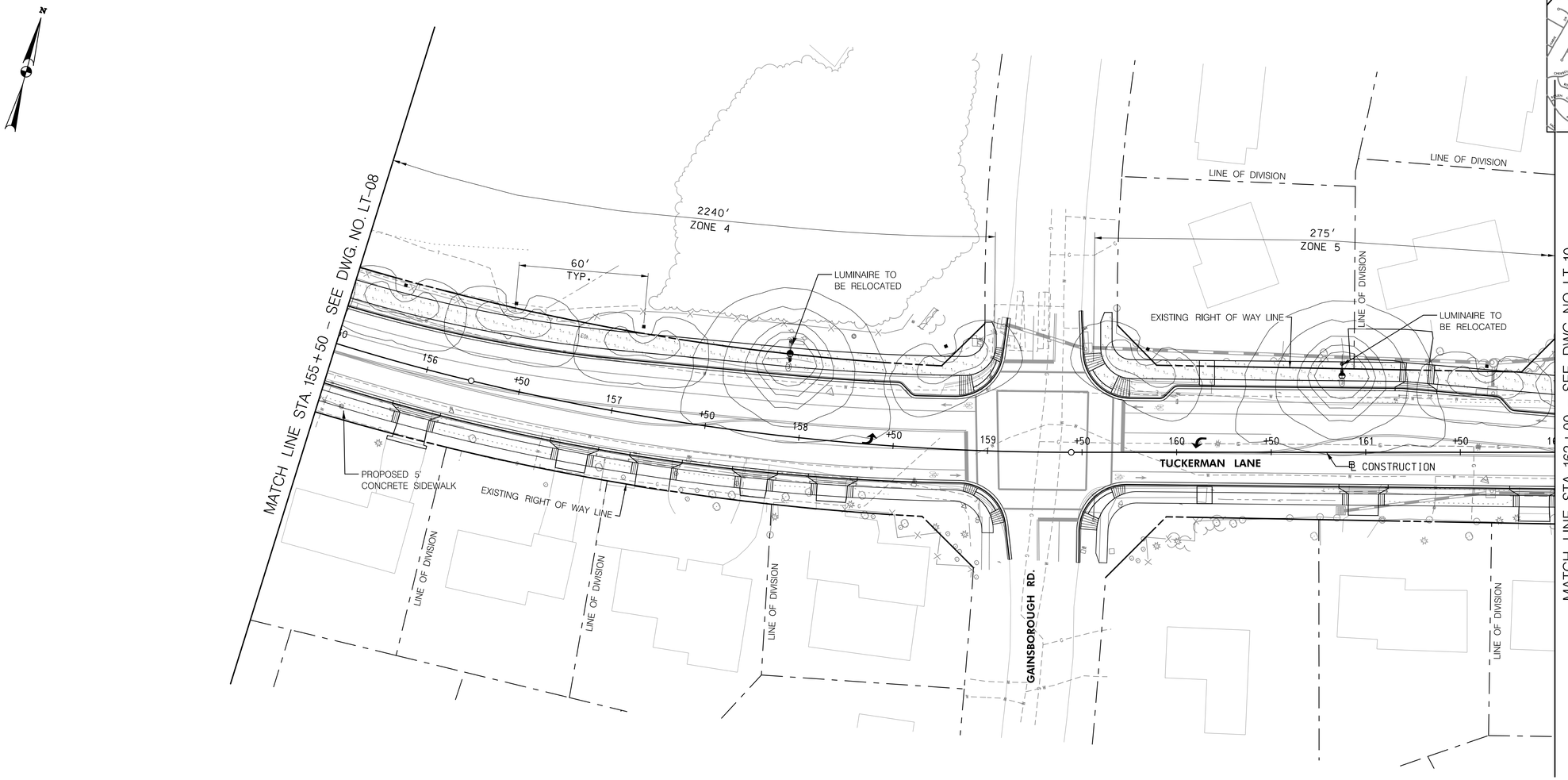
PLAN SHEET LT-08
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 148+50 TO STA. 155+50

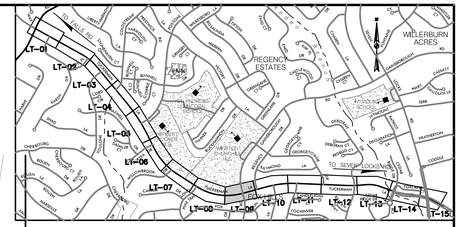
SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 112 of 171

BY: SXiong

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P008_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
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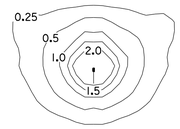
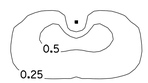
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT
(40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE
(113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

PROFESSIONAL CERTIFICATION

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SEAL
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JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17/2021

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET LT-09
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 155+50 TO STA. 162+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 113 of 171

WALLACE MONTGOMERY
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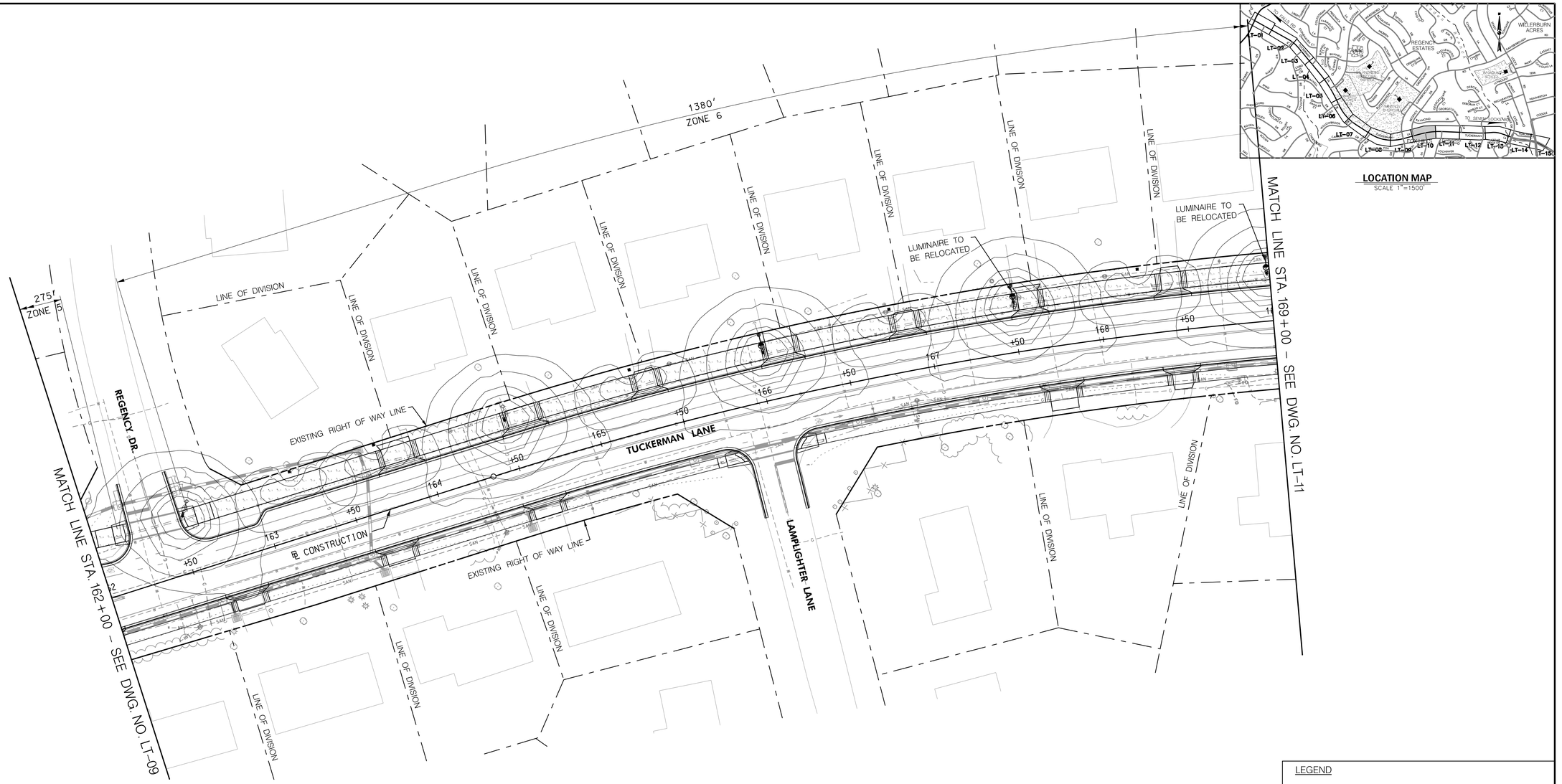
BY: SXiong -

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P009_Tuckerman.dgn



LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
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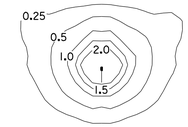
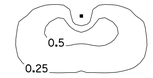
LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT (40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE (113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

PROFESSIONAL CERTIFICATION

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.
JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17-2021

WALLACE MONTGOMERY
ENGINEERS·PLANNERS·SURVEYORS·CONSTRUCTION MANAGERS
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: SXiong –

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section Date
APPROVED
Chief, Division of Engineering Services Date

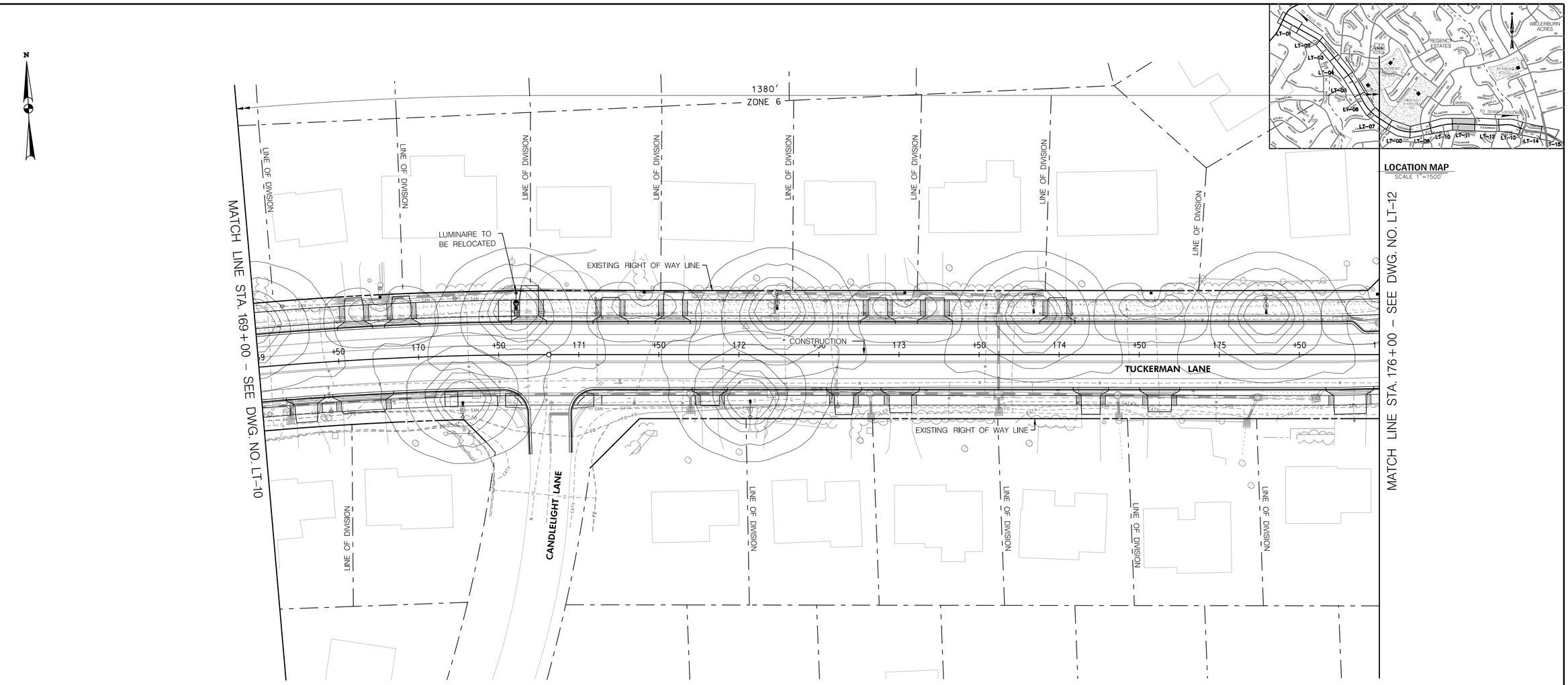
Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET LT-10
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 162+00 TO STA. 169+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 114 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P010_Tuckerman.dgn

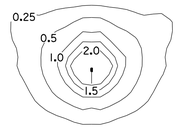


LIGHTING CALCULATIONS FOR TUCKERMAN LANE

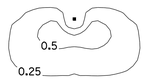
Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
Zone 2 - From Coldstream Dr to Postoak Rd	Major/Collector	3.10	0.40	0.40	0.96	4.00	2.40
Zone 3 - From Postoak Rd to Duryea Dr	Major/Collector	3.20	0.40	0.40	1.12	4.00	2.80
Zone 4 - From Duryea Dr to Gainsborough Rd	Major/Collector	3.10	0.20	0.40	0.72	4.00	3.60
Zone 5 - From Gainsborough Rd to Regency Dr	Major/Collector	3.10	0.20	0.40	0.77	4.00	3.85
Zone 6 - From Regency Dr to Georgetowne Dr	Major/Collector	3.20	0.30	0.40	1.15	4.00	3.83
Zone 7 - From Georgetowne Dr to Deborah Dr	Major/Collector	3.20	0.30	0.40	1.01	4.00	3.37
Zone 8 - From Deborah Dr to Cedar Ridge Dr	Major/Collector	3.10	0.30	0.40	1.09	4.00	3.63
Zone 9 - From Cedar Ridge Dr to Seven Locks Rd	Major/Collector	0.70	0.20	0.40	0.58	4.00	2.90
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT (40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE (113 TOTAL)

WALLACE MONTGOMERY
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10150 York Road, Suite 200
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410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

BY: SXiong

PROFESSIONAL CERTIFICATION

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.
JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL — STATE OF MARYLAND — JOHN LONDON RECTANUS — No. 25173 — PROFESSIONAL ENGINEER
DATE 9/17-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

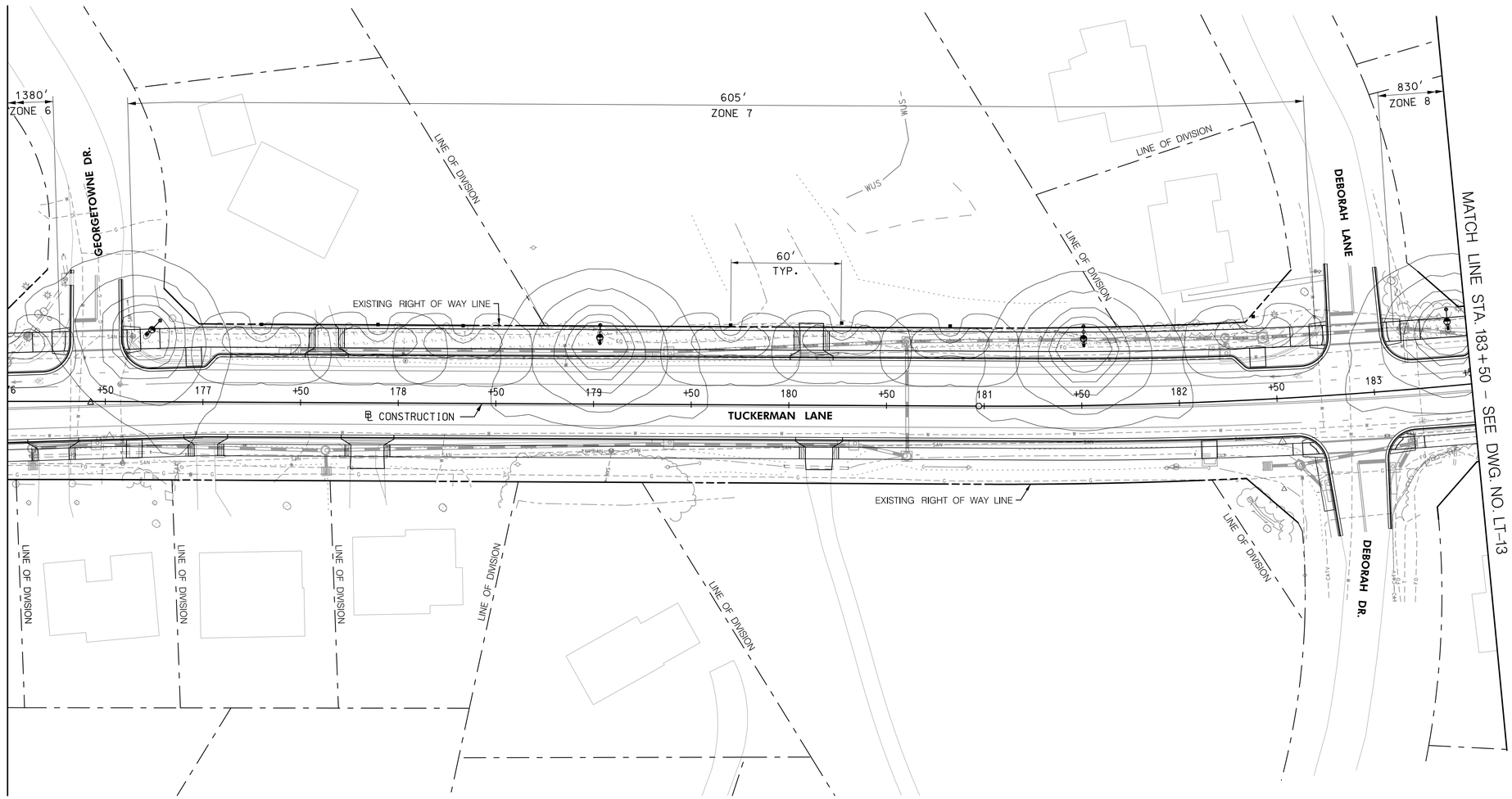
Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

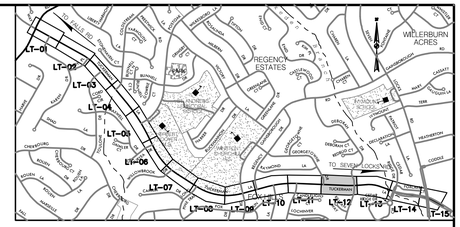
PLAN SHEET LT-11
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 169+00 TO STA. 176+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 14 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P011_Tuckerman.dgn





LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
Zone 2 - From Coldstream Dr to Postoak Rd	Major/Collector	3.10	0.40	0.40	0.96	4.00	2.40
Zone 3 - From Postoak Rd to Duryea Dr	Major/Collector	3.20	0.40	0.40	1.12	4.00	2.80
Zone 4 - From Duryea Dr to Gainsborough Rd	Major/Collector	3.10	0.20	0.40	0.72	4.00	3.60
Zone 5 - From Gainsborough Rd to Regency Dr	Major/Collector	3.10	0.20	0.40	0.77	4.00	3.85
Zone 6 - From Regency Dr to Georgetowne Dr	Major/Collector	3.20	0.30	0.40	1.15	4.00	3.83
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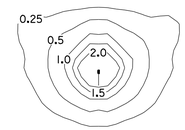
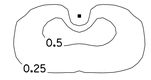
Zone 8 - From Deborah Dr to Cedar Ridge Dr	Major/Collector	3.10	0.30	0.40	1.09	4.00	3.63
Zone 9 - From Cedar Ridge Dr to Seven Locks Rd	Major/Collector	0.70	0.20	0.40	0.58	4.00	2.90
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT
(40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE
(113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

WALLACE MONTGOMERY
ENGINEERS·PLANNERS·SURVEYORS·CONSTRUCTION MANAGERS
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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17/2021

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET LT-12
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 176+00 TO STA. 183+50

SCALE : 1"= 30 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 116 of 171

BY: SXiong –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P012_Tuckerman.dgn



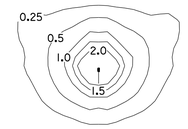
LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

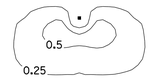
Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
Zone 2 - From Coldstream Dr to Postoak Rd	Major/Collector	3.10	0.40	0.40	0.96	4.00	2.40
Zone 3 - From Postoak Rd to Duryea Dr	Major/Collector	3.20	0.40	0.40	1.12	4.00	2.80
Zone 4 - From Duryea Dr to Gainsborough Rd	Major/Collector	3.10	0.20	0.40	0.72	4.00	3.60
Zone 5 - From Gainsborough Rd to Regency Dr	Major/Collector	3.10	0.20	0.40	0.77	4.00	3.85
Zone 6 - From Regency Dr to Georgetowne Dr	Major/Collector	3.20	0.30	0.40	1.15	4.00	3.83
Zone 7 - From Georgetowne Dr to Deborah Dr	Major/Collector	3.20	0.30	0.40	1.01	4.00	3.37
Zone 8 - From Deborah Dr to Cedar Ridge Dr	Major/Collector	3.10	0.30	0.40	1.09	4.00	3.63
Zone 9 - From Cedar Ridge Dr to Seven Locks Rd	Major/Collector	0.70	0.20	0.40	0.58	4.00	2.90
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT
(40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE
(113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

PROFESSIONAL CERTIFICATION

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.
JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL — STATE OF MARYLAND — JOHN LINDON RECTANUS — No. 25173 — PROFESSIONAL ENGINEER
DATE 9/17/2021

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET LT-13
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 183+50 TO STA. 190+50

SCALE : 1"= 30 — 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 117 of 171

WALLACE MONTGOMERY
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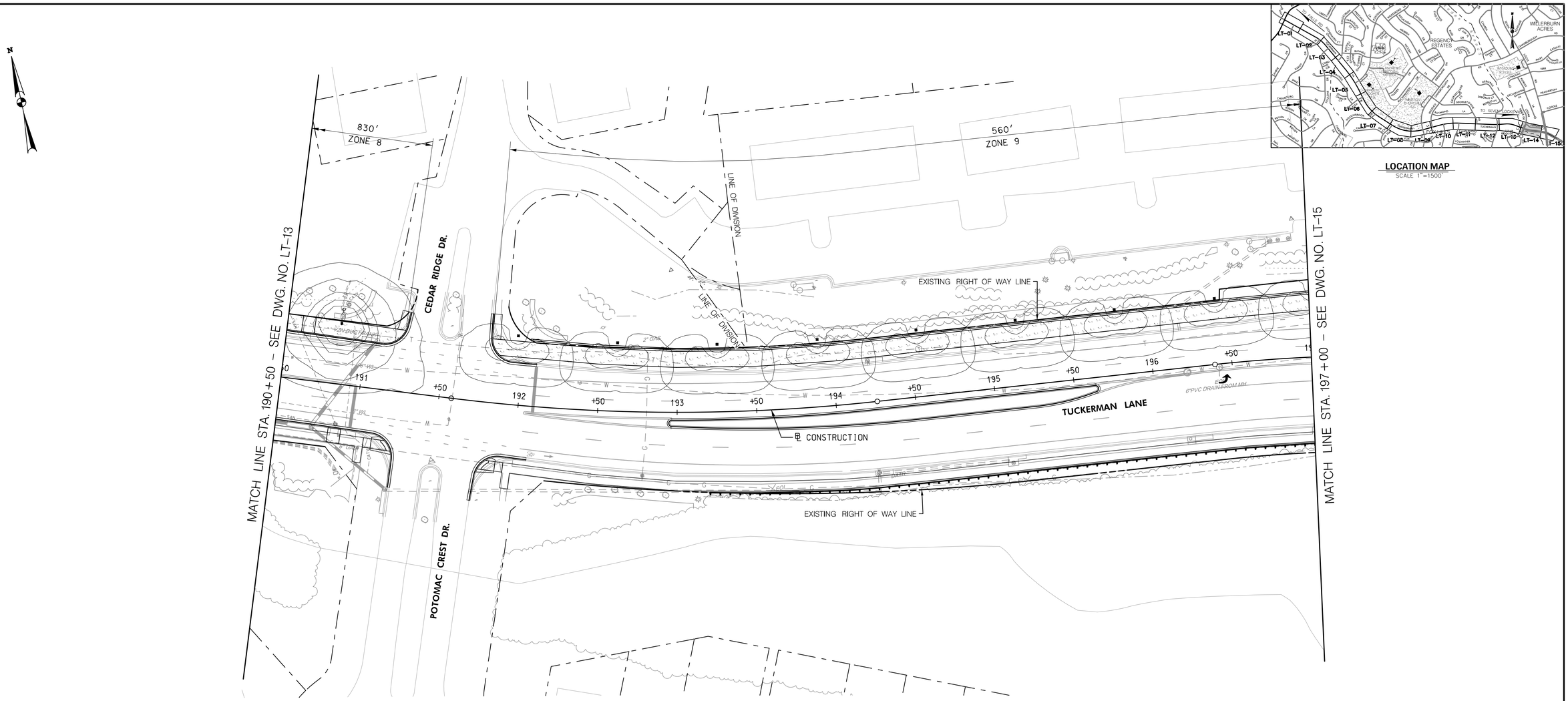
10150 York Road, Suite 200
Hunt Valley, Maryland 21030
410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com — A Limited Liability Partnership

BY: SXiong -

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P013_Tuckerman.dgn



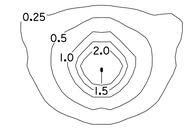
LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

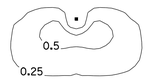
Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
Zone 2 - From Coldstream Dr to Postoak Rd	Major/Collector	3.10	0.40	0.40	0.96	4.00	2.40
Zone 3 - From Postoak Rd to Duryea Dr	Major/Collector	3.20	0.40	0.40	1.12	4.00	2.80
Zone 4 - From Duryea Dr to Gainsborough Rd	Major/Collector	3.10	0.20	0.40	0.72	4.00	3.60
Zone 5 - From Gainsborough Rd to Regency Dr	Major/Collector	3.10	0.20	0.40	0.77	4.00	3.85
Zone 6 - From Regency Dr to Georgetowne Dr	Major/Collector	3.20	0.30	0.40	1.15	4.00	3.83
Zone 7 - From Georgetowne Dr to Deborah Dr	Major/Collector	3.20	0.30	0.40	1.01	4.00	3.37
Zone 8 - From Deborah Dr to Cedar Ridge Dr	Major/Collector	3.10	0.30	0.40	1.09	4.00	3.63
Zone 9 - From Cedar Ridge Dr to Seven Locks Rd	Major/Collector	0.70	0.20	0.40	0.58	4.00	2.90
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT
(40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE
(113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

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JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17-2021

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET LT-14
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 191+00 TO STA. 197+00

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 118 of 171

WALLACE MONTGOMERY
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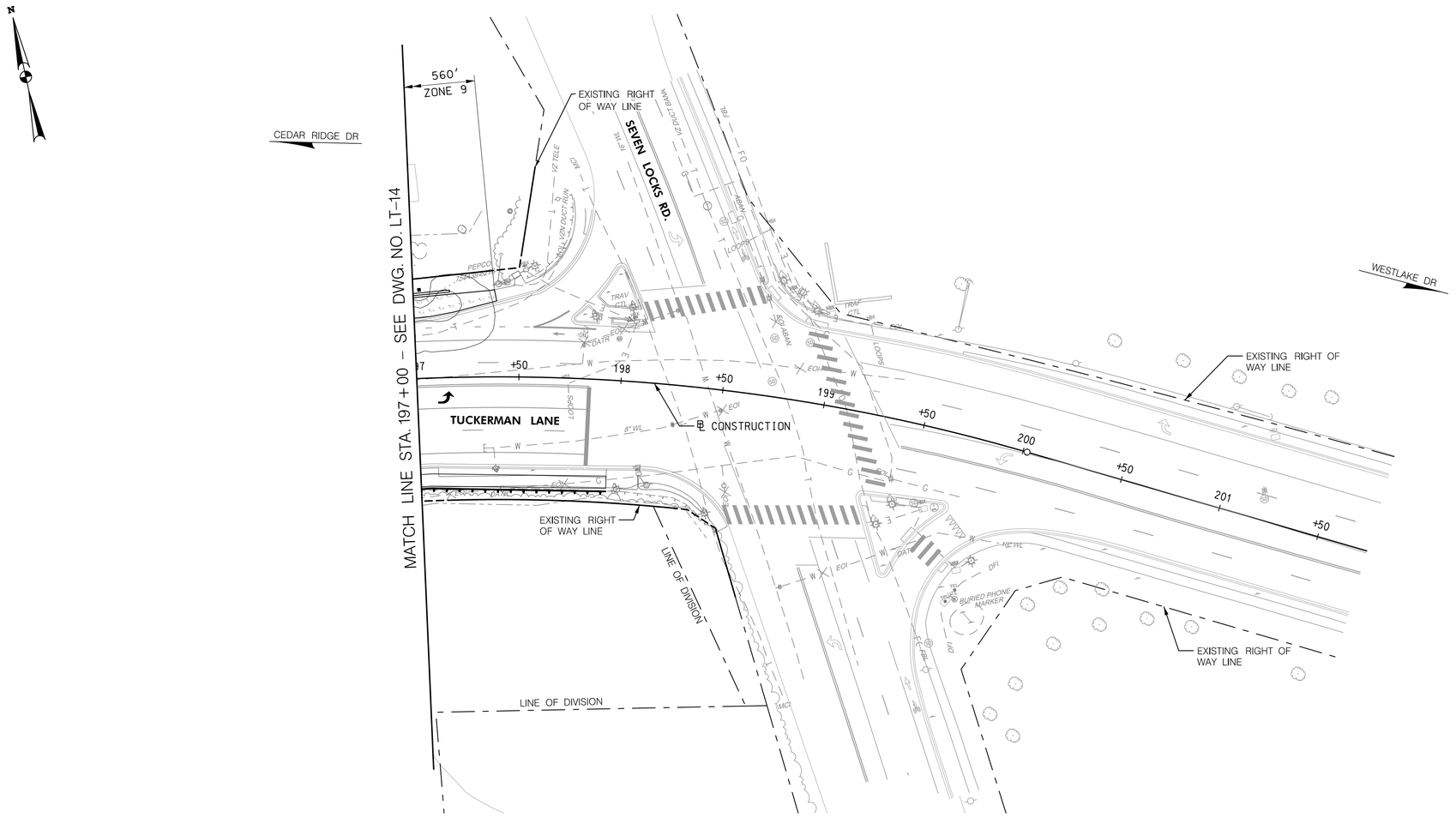
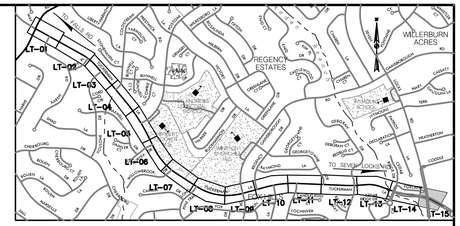
BY: SXiong –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P014_Tuckerman.dgn





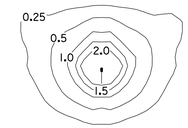
LOCATION MAP
SCALE 1"=1500'

LIGHTING CALCULATIONS FOR TUCKERMAN LANE

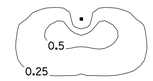
Lighting Calculation Zone	Roadway Classification	Maximum Illuminance Level (fc)	Minimum Illuminance Level (fc)	Average Illuminance (E_{avg}) Min (fc) Recommended	Average Illuminance (E_{avg}) Min (fc) Calculated	Uniformity Ratio (E_{avg}/E_{min}) Max Recommended	Uniformity Ratio (E_{avg}/E_{min}) Max Calculated
Zone 1 - From MD 189 to Coldstream Dr	Major/Collector	3.20	0.30	0.40	0.83	4.00	2.77
Zone 2 - From Coldstream Dr to Postoak Rd	Major/Collector	3.10	0.40	0.40	0.96	4.00	2.40
Zone 3 - From Postoak Rd to Duryea Dr	Major/Collector	3.20	0.40	0.40	1.12	4.00	2.80
Zone 4 - From Duryea Dr to Gainsborough Rd	Major/Collector	3.10	0.20	0.40	0.72	4.00	3.60
Zone 5 - From Gainsborough Rd to Regency Dr	Major/Collector	3.10	0.20	0.40	0.77	4.00	3.85
Zone 6 - From Regency Dr to Georgetowne Dr	Major/Collector	3.20	0.30	0.40	1.15	4.00	3.83
Zone 7 - From Georgetowne Dr to Deborah Dr	Major/Collector	3.20	0.30	0.40	1.01	4.00	3.37
Zone 8 - From Deborah Dr to Cedar Ridge Dr	Major/Collector	3.10	0.30	0.40	1.09	4.00	3.63
Zone 9 - From Cedar Ridge Dr to Seven Locks Rd	Major/Collector	0.70	0.20	0.40	0.58	4.00	2.90
Recommended Intersection Values from Table D1 : Illuminance Method - Recommended Maintained Values of the ANSI / IESNA RP-8-00							

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- PROPOSED LED POST TOP LUMINAIRE AND POLE



PHOTOMETRIC TEMPLATE - EX. STREET LIGHT
(40 TOTAL)



PHOTOMETRIC TEMPLATE - COLONIAL POST TOP LUMINAIRE
(113 TOTAL)

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

PROFESSIONAL CERTIFICATION

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.
JOHN L. RECTANUS MD NO-25173 EXP-06/21/2023

SEAL
STATE OF MARYLAND
JOHN LONDON RECTANUS
No. 25173
PROFESSIONAL ENGINEER
DATE: 9/17/2021

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10150 York Road, Suite 200
Hunt Valley, Maryland 21030
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BY: SXiong –

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Traffic_Cadd_\pLT-P015_Tuckerman.dgn

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

Designed by : R.W.M. Drawn by : S.X. Checked by : J.L.R.

PLAN SHEET LT-15
LIGHTING PLANS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 197+00 TO STA. 201+50

SCALE : 1"= 30' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 119 of 171

GRADING TABLE

ROADWAY	STATIONS FROM	STATIONS TO	EXCAVATION: CLASS 1: CUT FROM XSECTS	TOPSOIL: CUT	TOPSOIL: FILL	ROOTMAT: CUT	ROOTMAT: FILL	TOTAL	SUITABLE FOR EMBANK.	SHRINK/SWELL FACTOR (%)	AVAIL. FOR EMBANK.	CLASS 2: TOTAL FROM XSECTS	CLASS 2: ISSUE FOR HANDLING	AVAIL. FOR EMBANK.	EROSION & SEDIMENT: ORIGINAL EXCAVATION	EROSION & SEDIMENT: CLEAN-OUT EXCAVATION	EMBANKMENT: FILL: FROM XSECT	EMBANKMENT: FILL: TOT. REQ. BEFORE DENSIFICATION	EMBANKMENT: CAPPING BORROW: CAPPING	EMBANKMENT: CAPPING BORROW: TOT. REQ. AFTER DENSIFICATION	EMBANKMENT: SELECT BORROW: FROM XSECT	EMBANKMENT: SELECT BORROW: TOT. REQ. AFTER DENSIFICATION
TUCKERMAN LANE	PS-01																					
	100+00	106+50	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-02																					
	106+50	114+00	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-03																					
	114+00	121+00	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-04																					
	121+00	128+00	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-05																					
	128+00	135+00	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-06																					
	135+00	141+50	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-07																					
	141+50	148+50	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-08																					
	148+50	155+50	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-09																					
	155+50	162+00	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-10																					
	162+00	169+00	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-11																					
	169+00	176+00	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-12																					
	176+00	183+50	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-13																					
	183+50	191+00	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-14																					
	191+00	197+00	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	PS-15																					
	197+00	XX+00	XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0
	TOTAL		XXX	XXX	XXX	XXX	XXX	XXX	XXX	0.83	XXX	0	0	0	XXX	XXX	XXX	XXX	0	0	0	0

GRADING TABLE QUANTITIES UNDER CONSTRUCTION

SUMMARY OF EARTHWORK

EXCAVATION

TOTAL CLASS 1 EXCAVATION	C.Y.
TOTAL CLASS 2 EXCAVATION	C.Y.
TOTAL EXCAVATION AVAILABLE FOR EMBANKMENT	C.Y.
TOTAL EROSION & SEDIMENT CONTROL EXCAVATION	C.Y.

EMBANKMENT

TOTAL COMMON BORROW REQUIRED	C.Y.
TOTAL CAPPING BORROW REQUIRED	C.Y.
TOTAL SELECT BORROW REQUIRED	C.Y.
WASTE	C.Y.
COMMON BORROW REQUIRED	C.Y.
BORROW DENSIFIED (%)	C.Y.
TOTAL COMMON BORROW REQUIRED	C.Y.

PROPOSAL QUANTITIES

CLASS 1 EXCAVATION	C.Y.
CLASS 1-A EXCAVATION	C.Y.
CLASS 2 EXCAVATION	C.Y.
COMMON BORROW	C.Y.
CAPPING BORROW	C.Y.
SELECT BORROW	C.Y.

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10150 York Road, Suite 200
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BY: nkern -

PROFESSIONAL CERTIFICATION

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MARK J. BODMANN MD NO-31487 EXP-03/18/2023
DATE: 9/17-2021

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

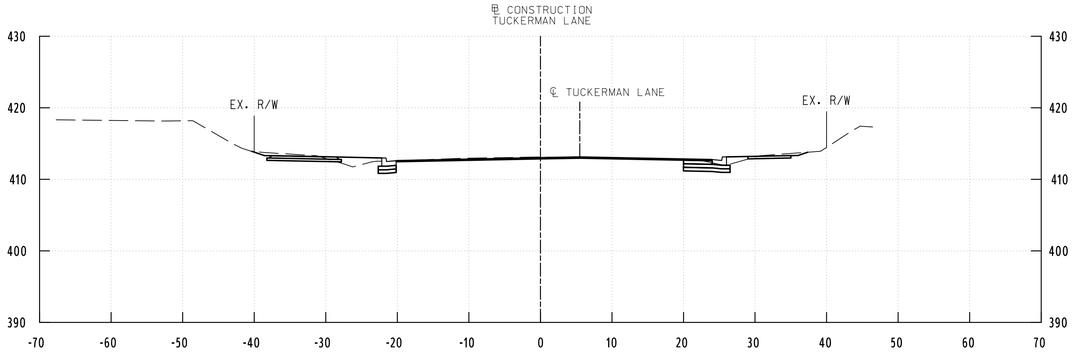
Designed by : S.A.T. Drawn by : S.A.T. Checked by : M.J.B.

PLAN SHEET GR-01
GRADING TABLE
TUCKERMAN LANE
SIDEWALK/BIKEWAY

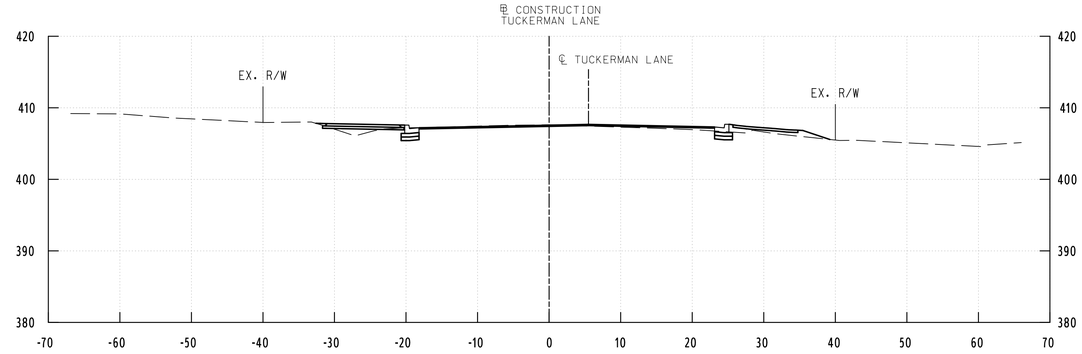
SCALE : N.T.S. 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 135 of 171

PLOTTED: 9/16/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pGR-S001_Tuckerman.dgn



102+50.00



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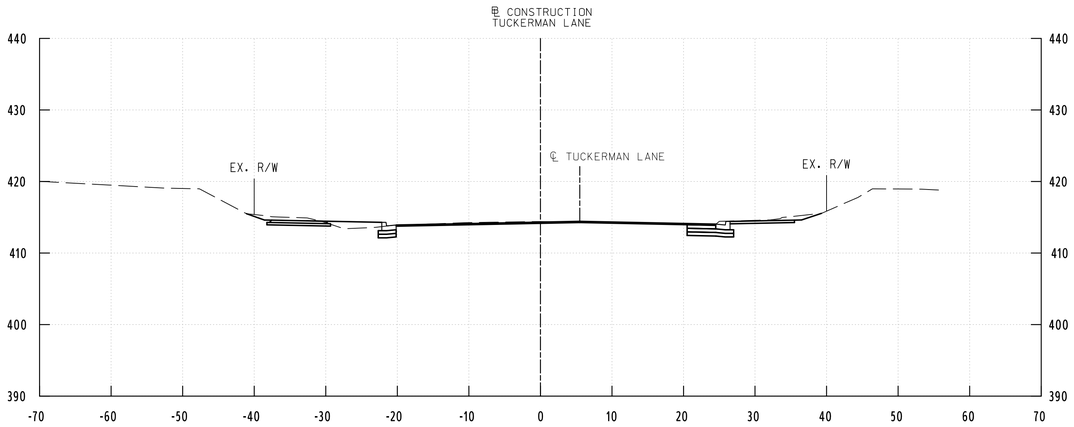

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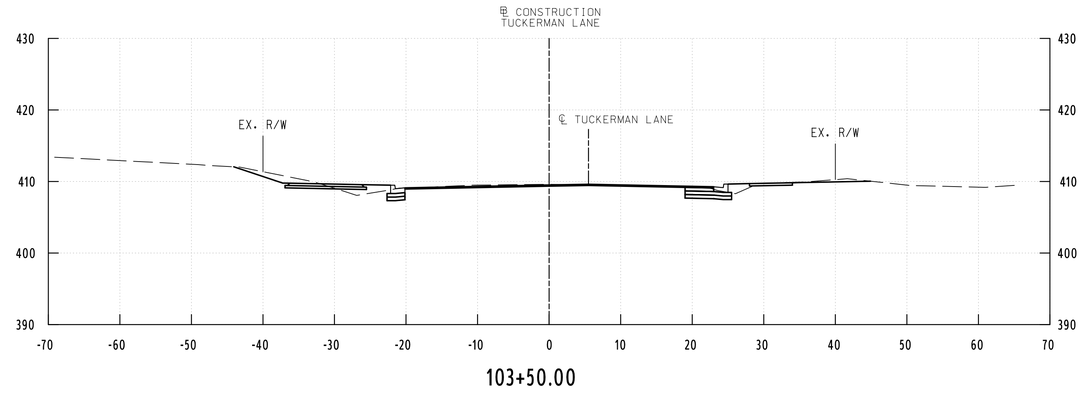

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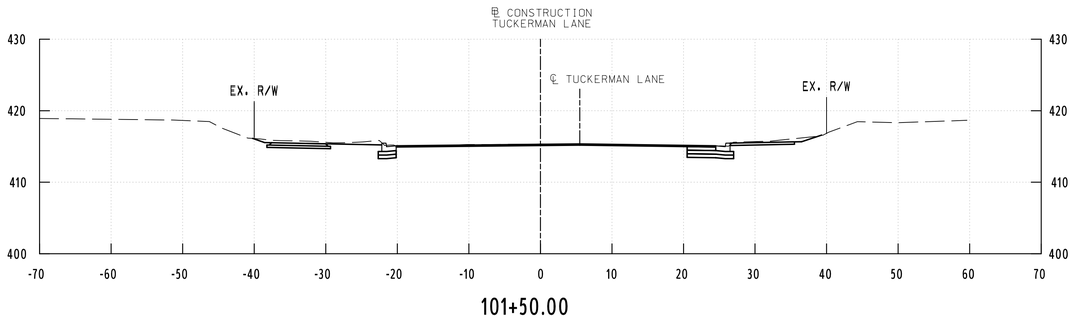

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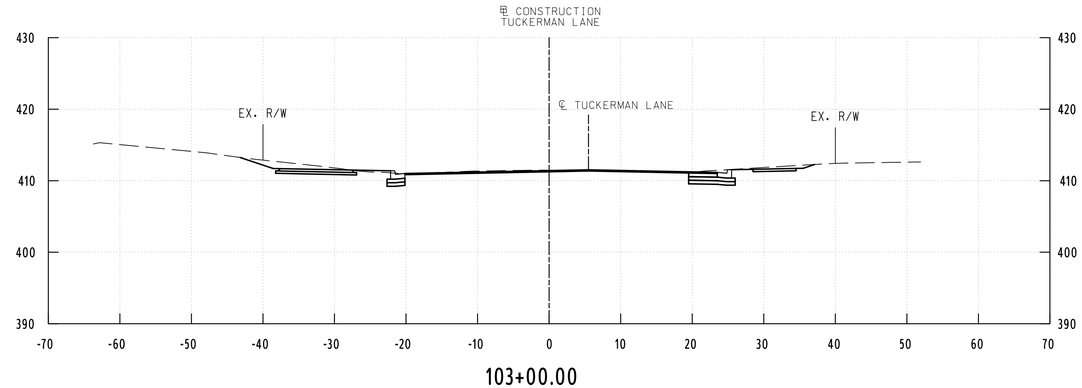

103+00.00

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PROFESSIONAL CERTIFICATION

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

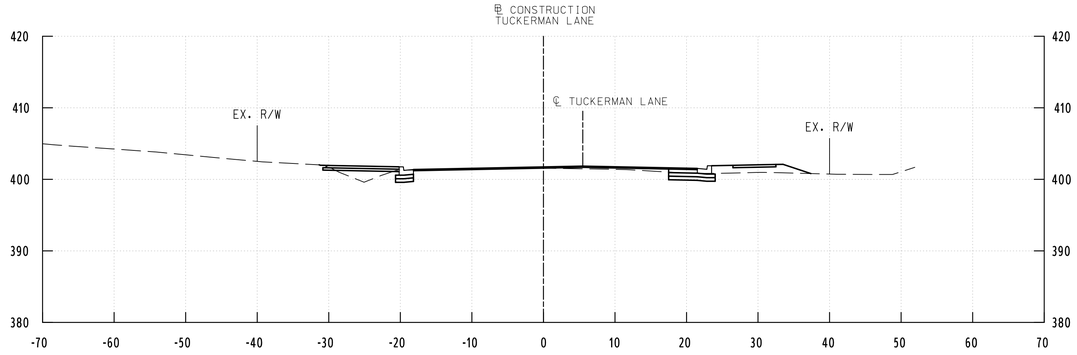
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

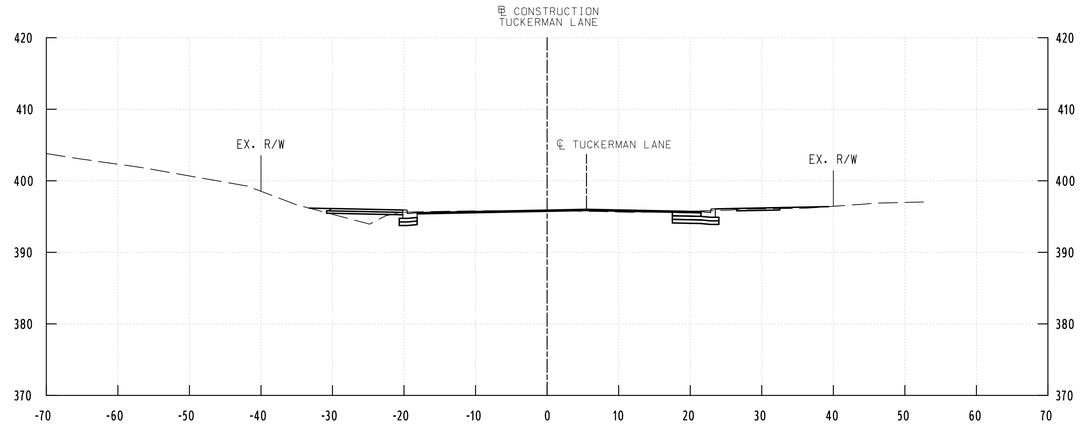
PLAN SHEET CS-01
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 101+50 TO STA. 104+00

SCALE : 1"= 10' 09/2021

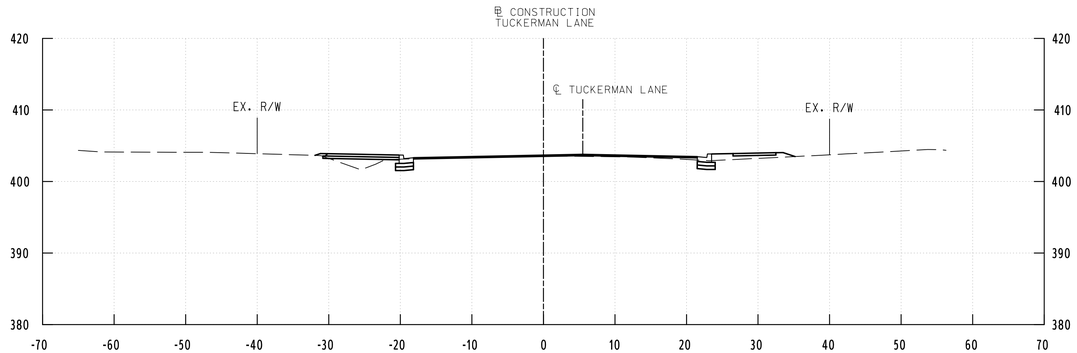
Project No. : C.I.P. PR. # 501744 SHEET 136 of 171



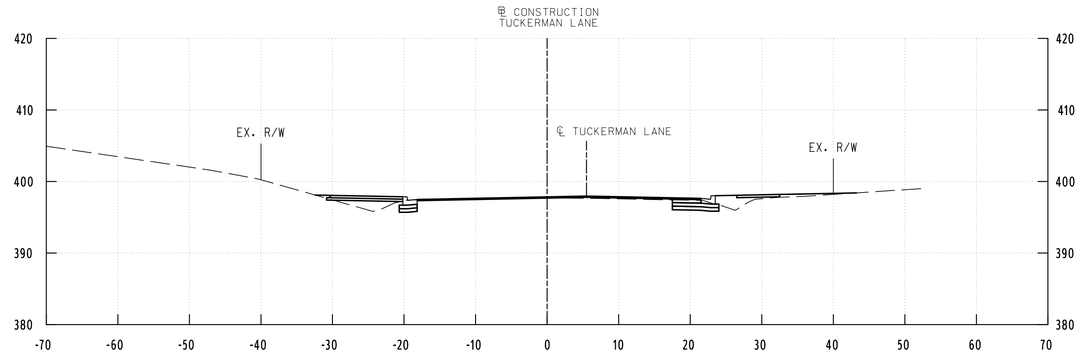
105+50.00



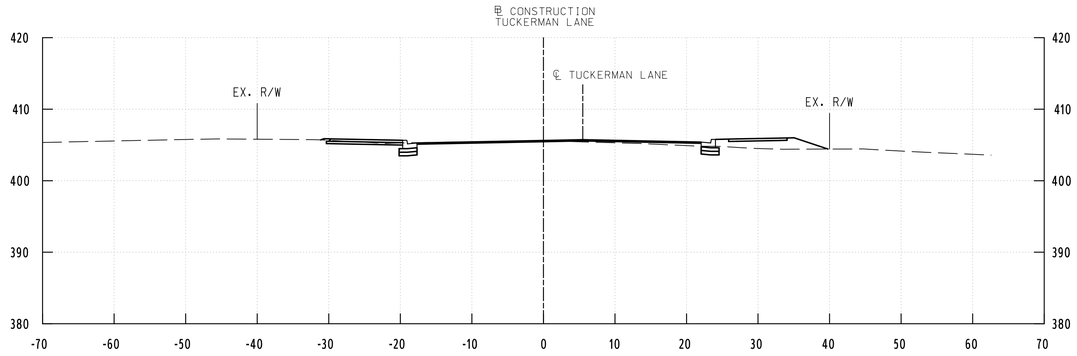
107+00.00



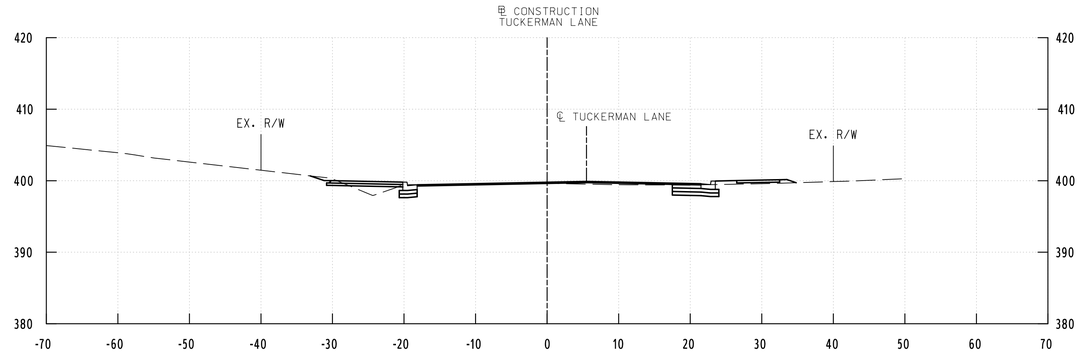
105+00.00



106+50.00



104+50.00



106+00.00

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PROFESSIONAL CERTIFICATION

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

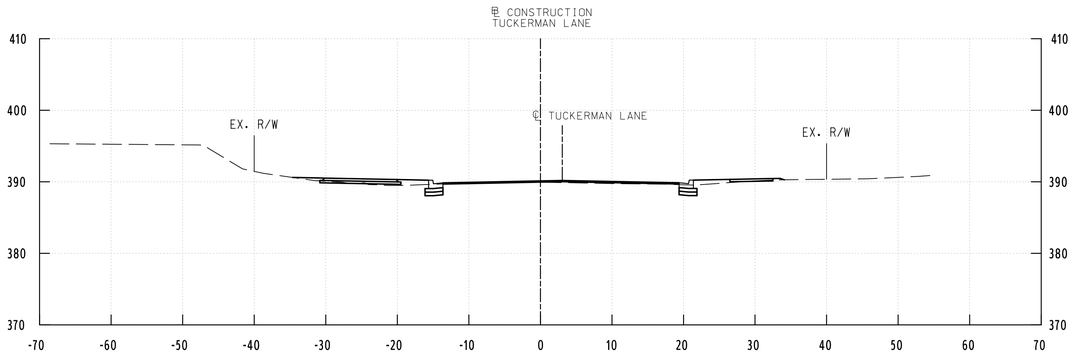
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

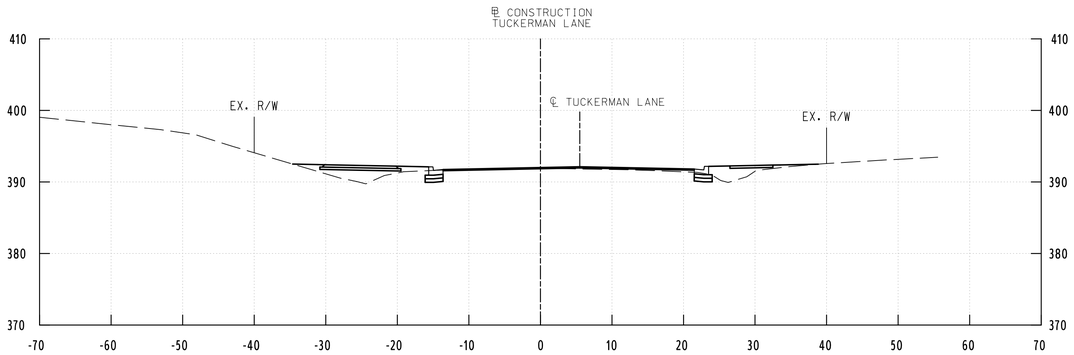
PLAN SHEET CS-02
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 104+50 TO STA. 107+00

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 137 of 171



108+50.00



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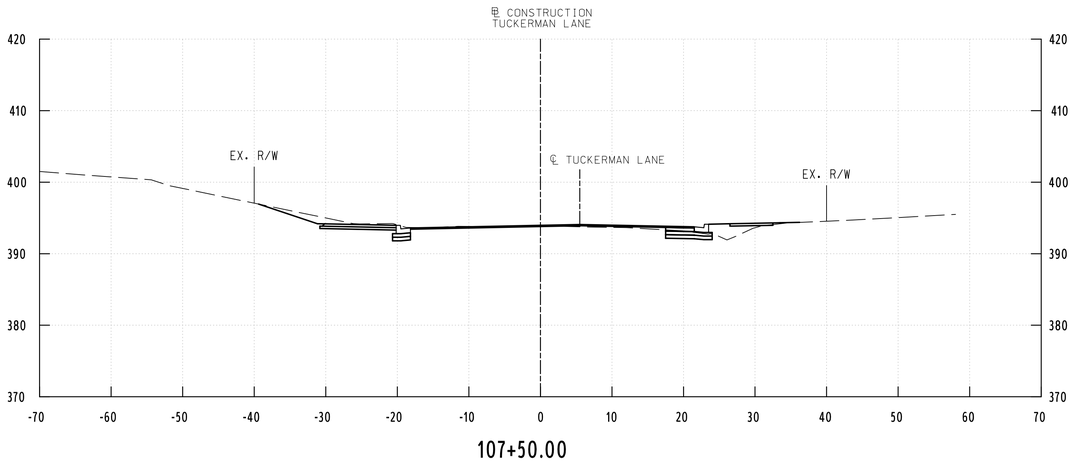
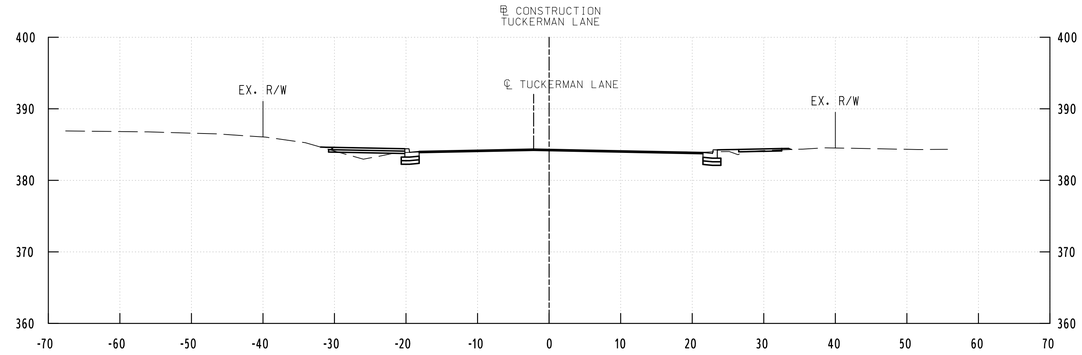


107+50.00



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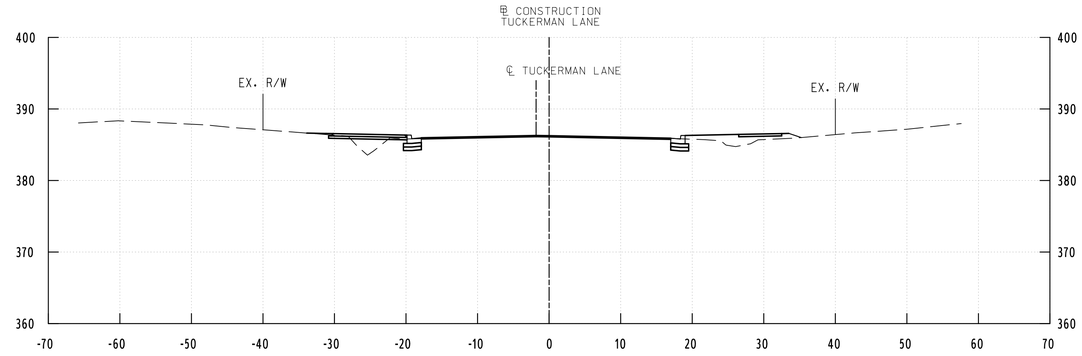
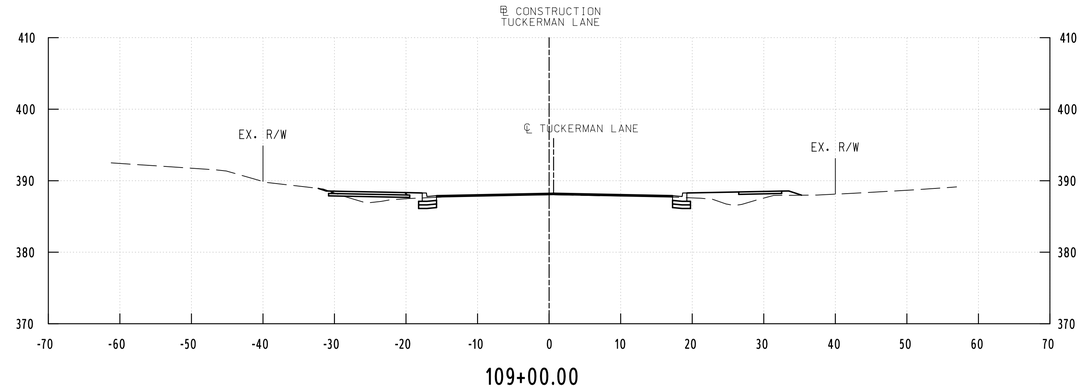


109+50.00



109+00.00

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PROFESSIONAL CERTIFICATION

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

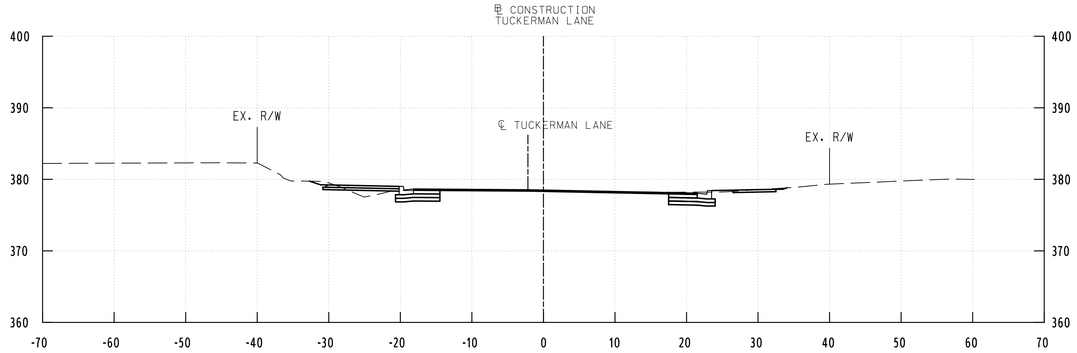
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

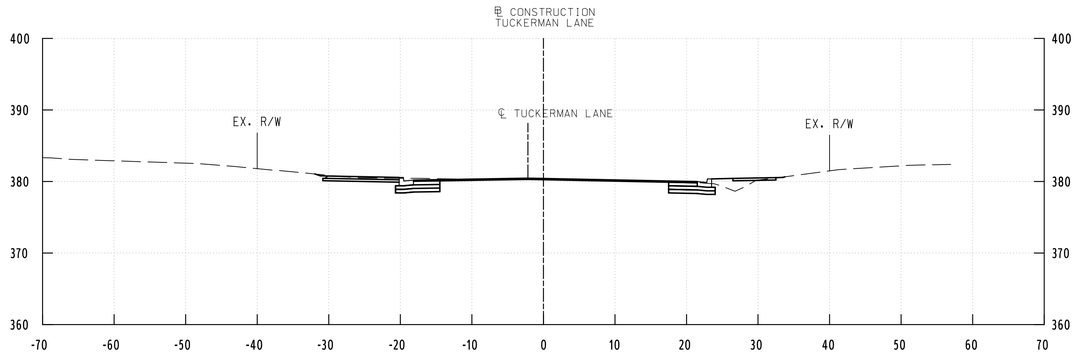
PLAN SHEET CS-03
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 107+50 TO STA. 110+00

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 138 of 171



111+50.00



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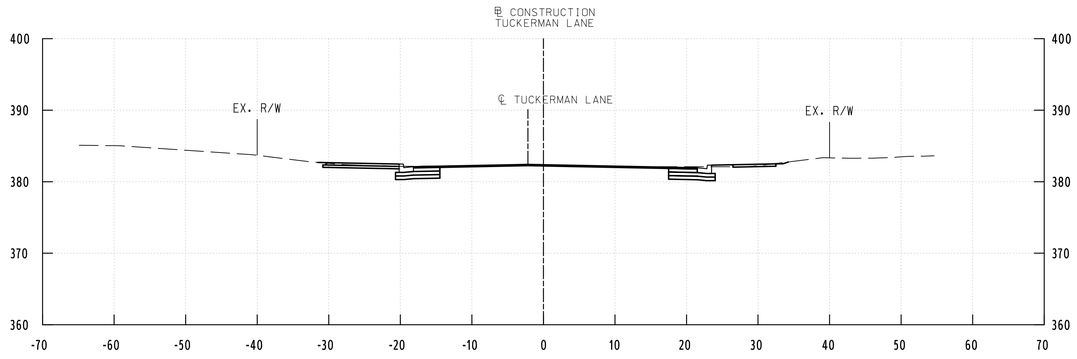
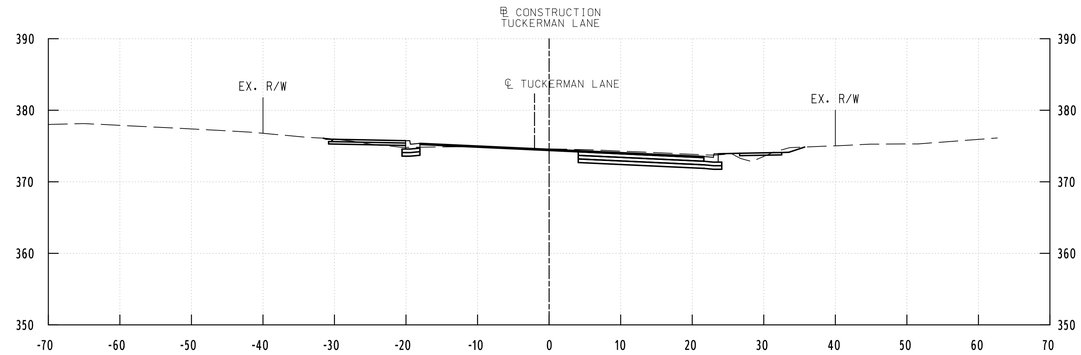
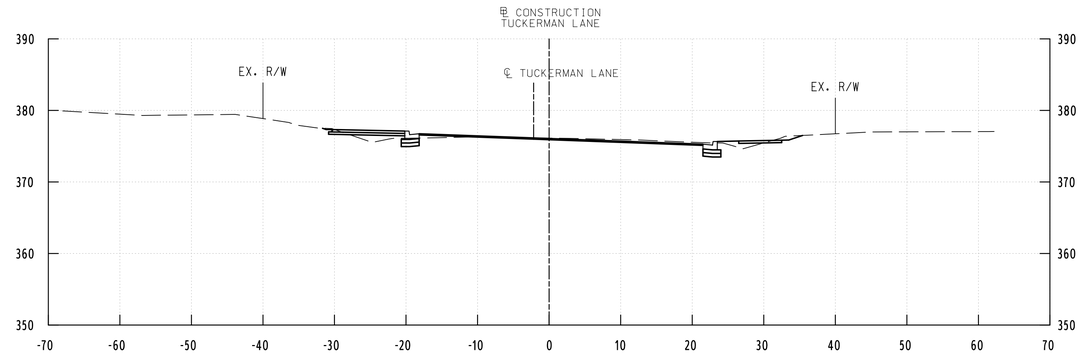


110+50.00



112+50.00



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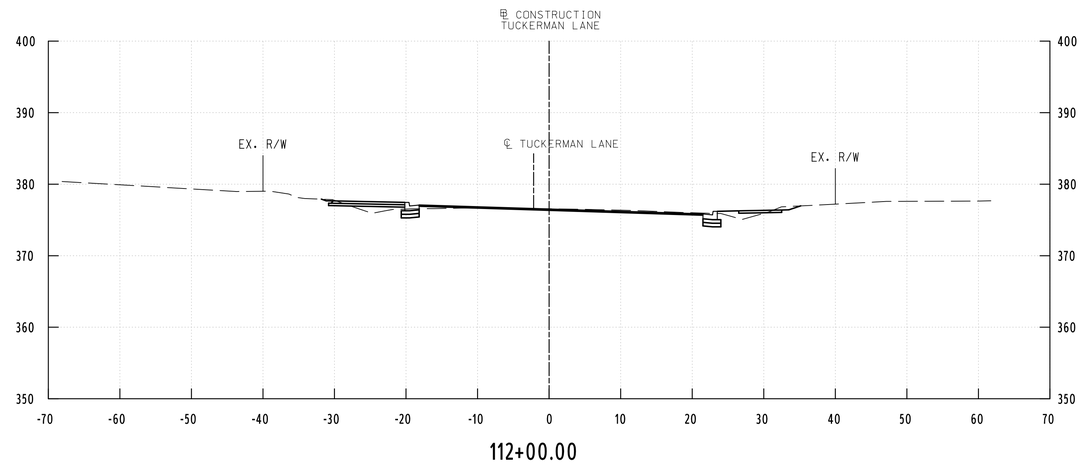

112+00.00

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 7-2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

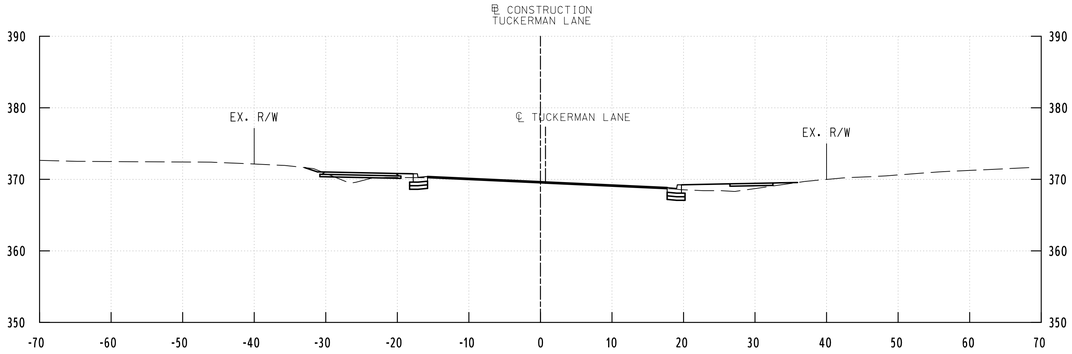
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

PLAN SHEET CS-04
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 110+50 TO STA. 112+50

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 139 of 171



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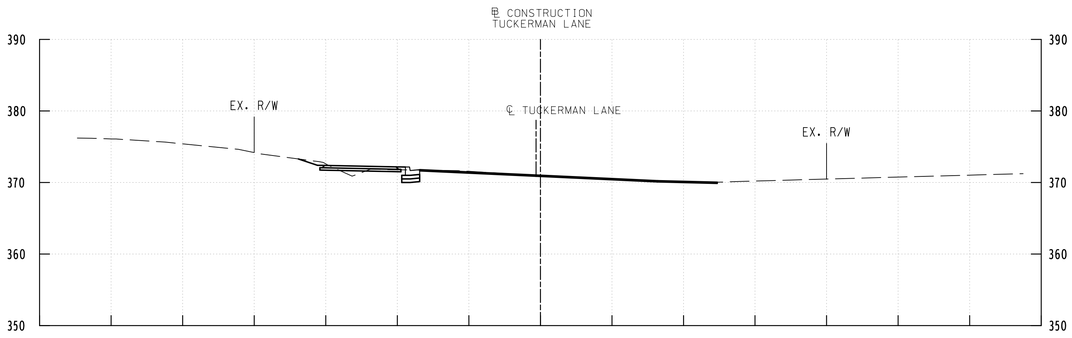
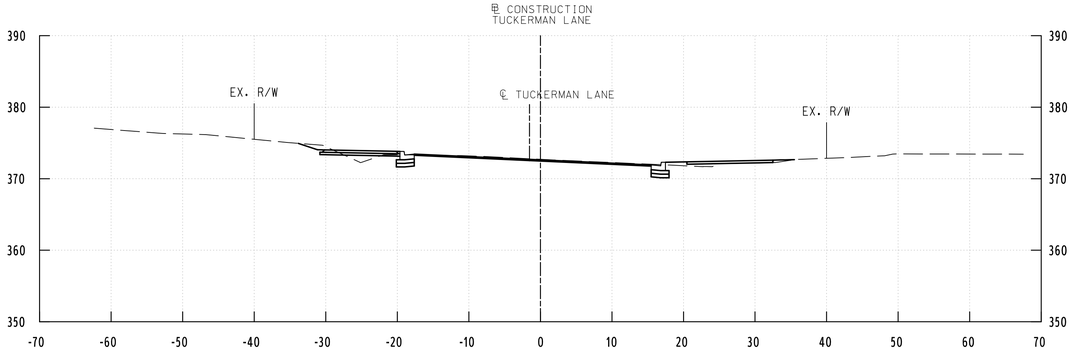


113+50.00



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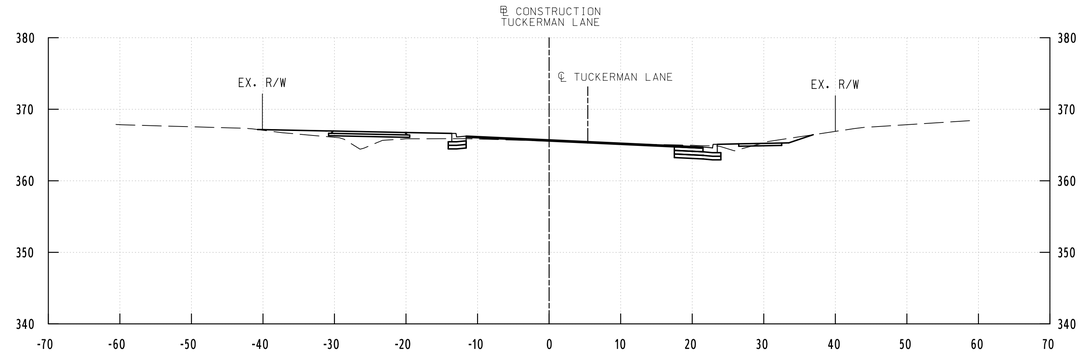

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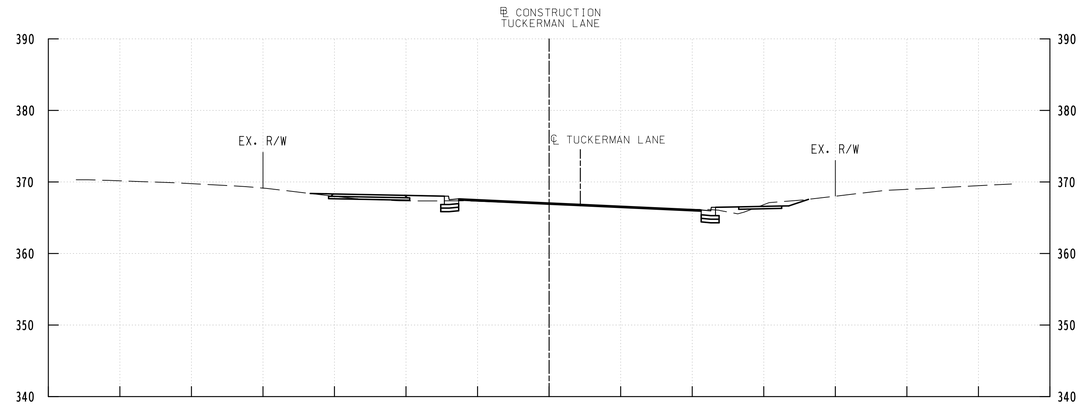

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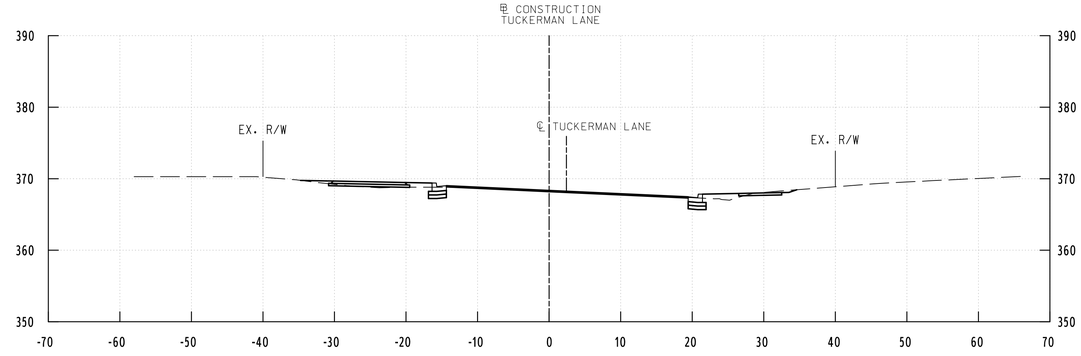

114+50.00

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PROFESSIONAL CERTIFICATION

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MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

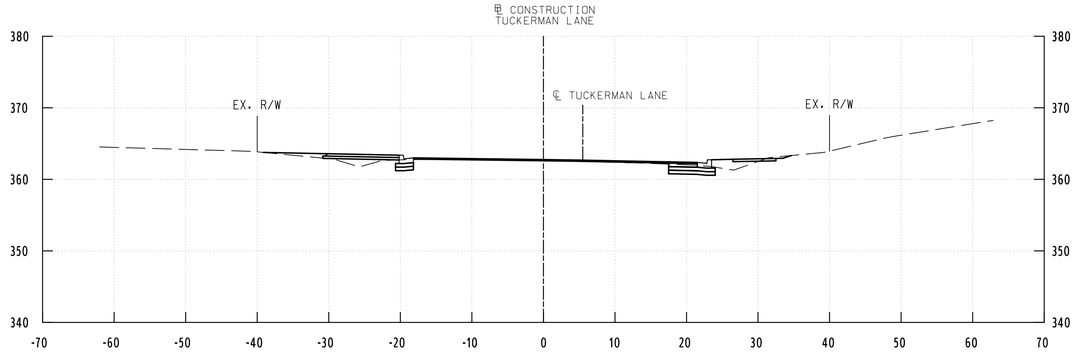
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

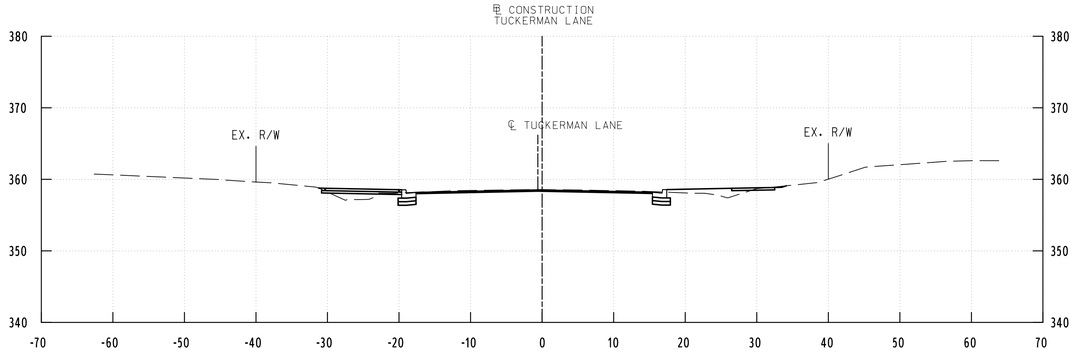
PLAN SHEET CS-05
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 113+00 TO STA. 115+50

SCALE : 1"= 10' 09/2021

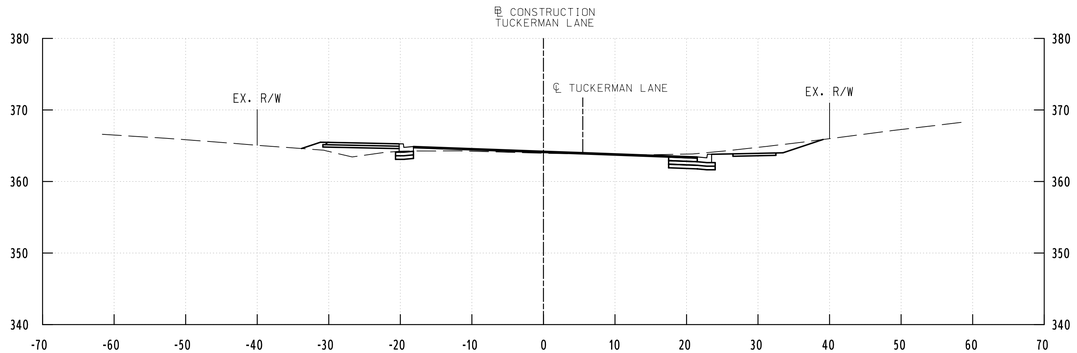
Project No. : C.I.P. PR. # 501744 SHEET 140 of 171



116+50.00



118+00.00



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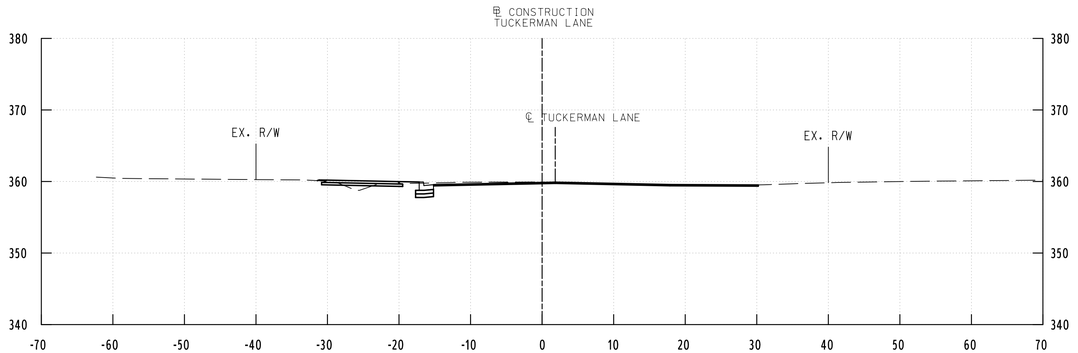
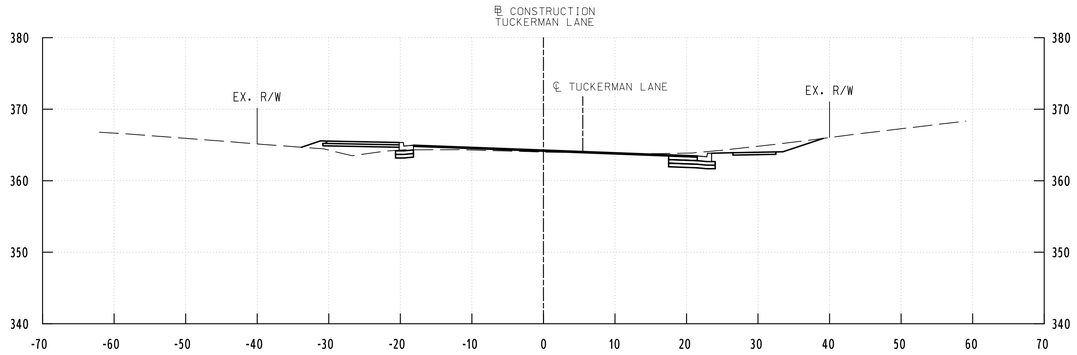


117+50.00



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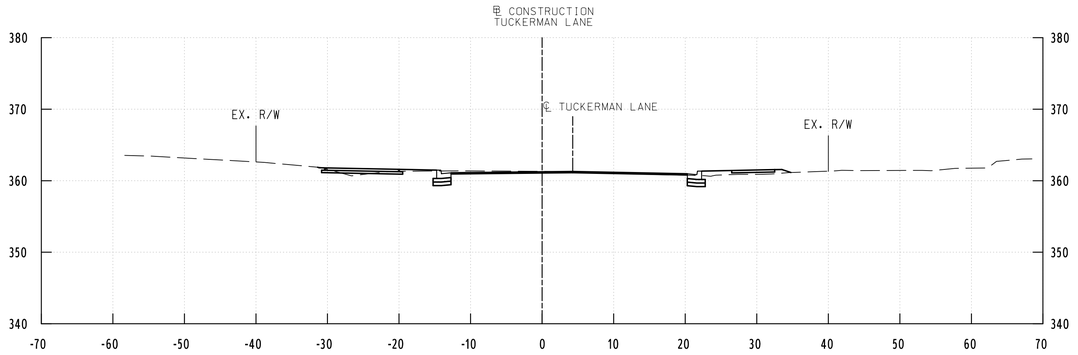

117+00.00

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

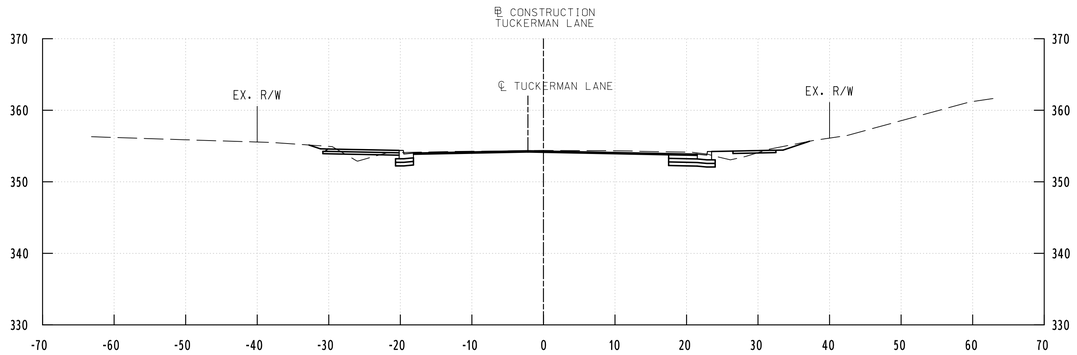
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

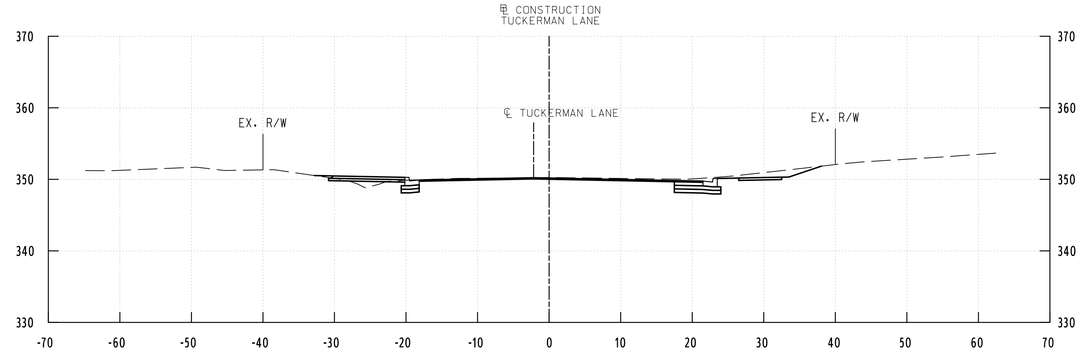
PLAN SHEET CS-06
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 116+00 TO STA. 118+00

SCALE : 1"= 10' 09/2021

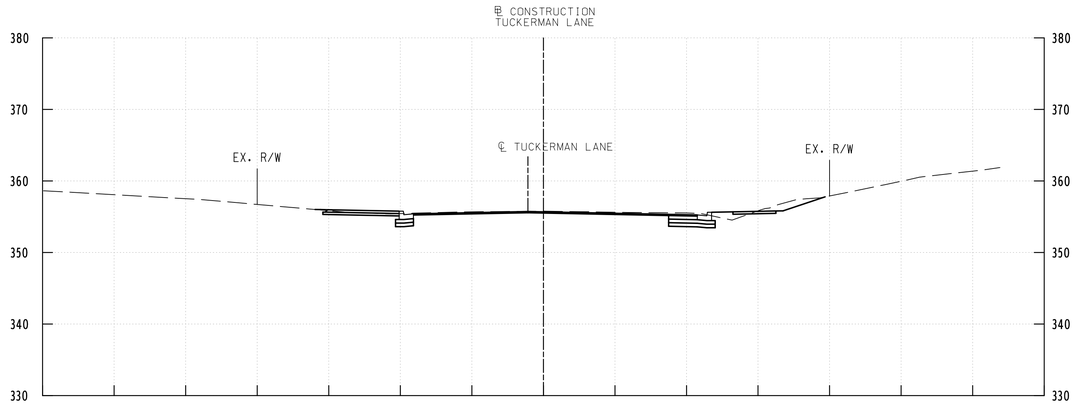
Project No. : C.I.P. PR. # 501744 SHEET 141 of 171



119+50.00



121+00.00



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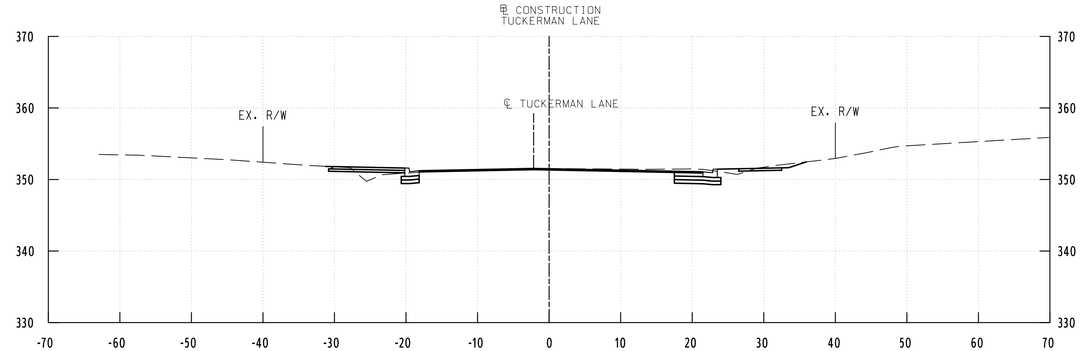
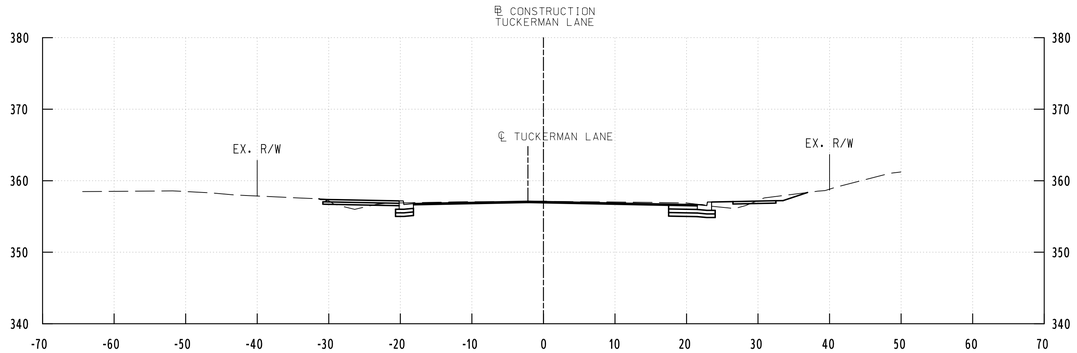
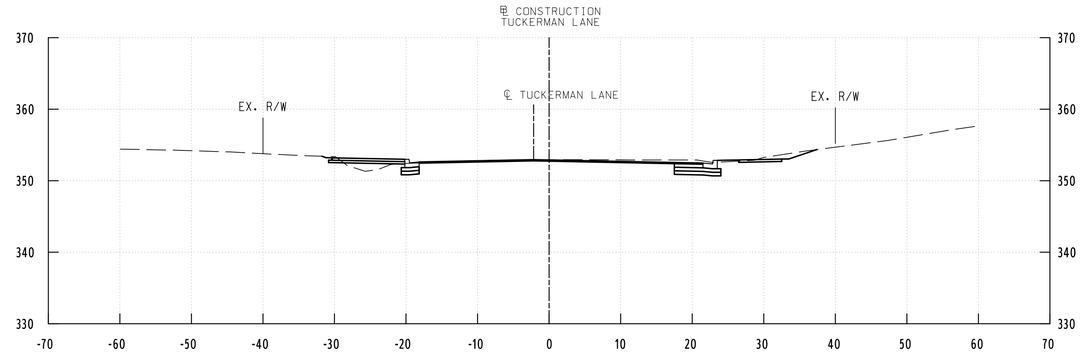


120+50.00



118+50.00



120+00.00

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MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

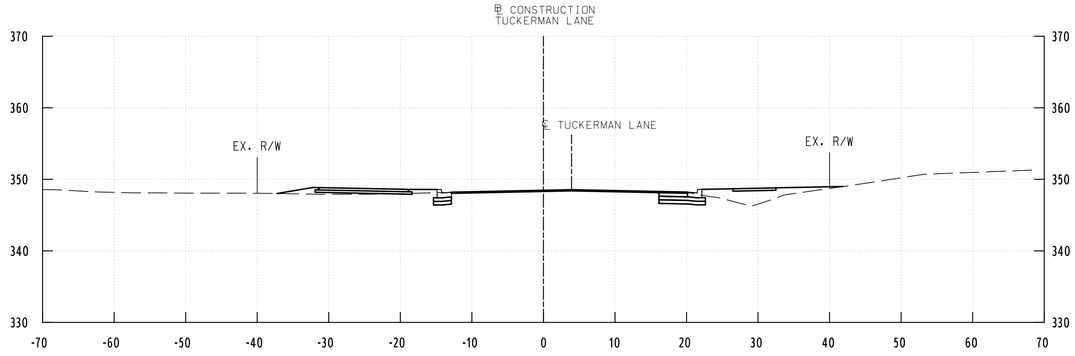
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

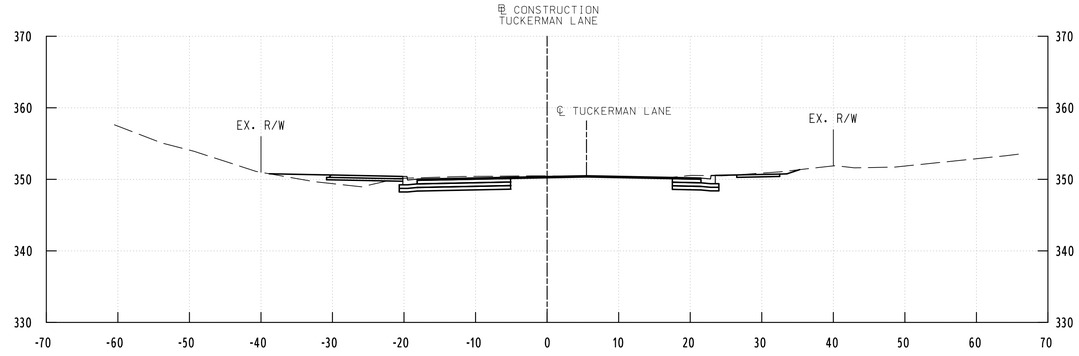
PLAN SHEET CS-07
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 118+50 TO STA. 121+00

SCALE : 1"= 10' 09/2021

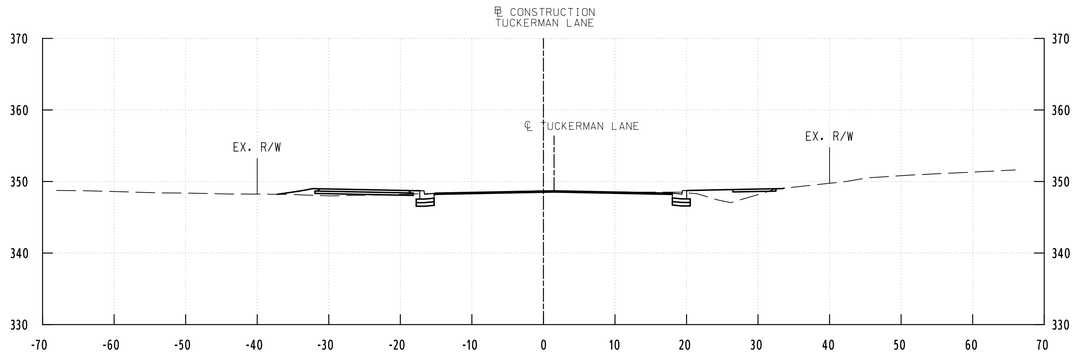
Project No. : C.I.P. PR. # 501744 SHEET 142 of 171



122+50.00



124+00.00



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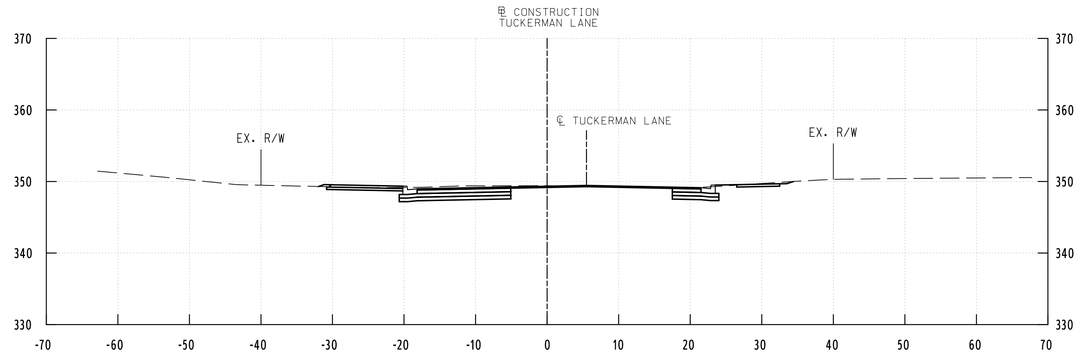

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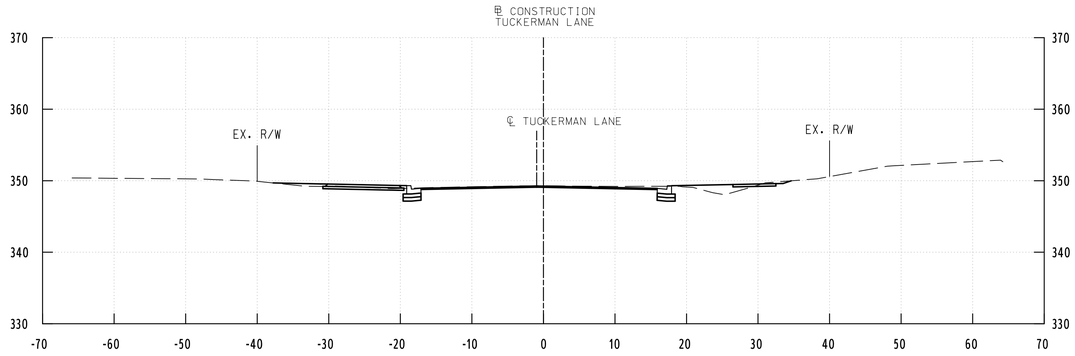
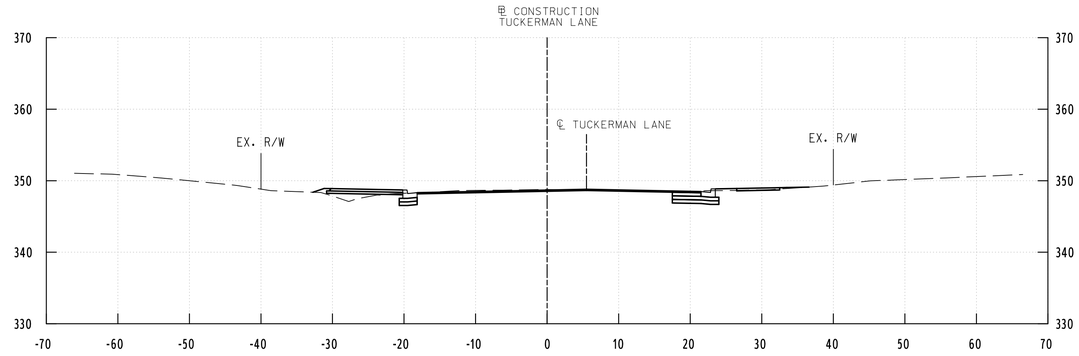


121+50.00



123+00.00

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MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

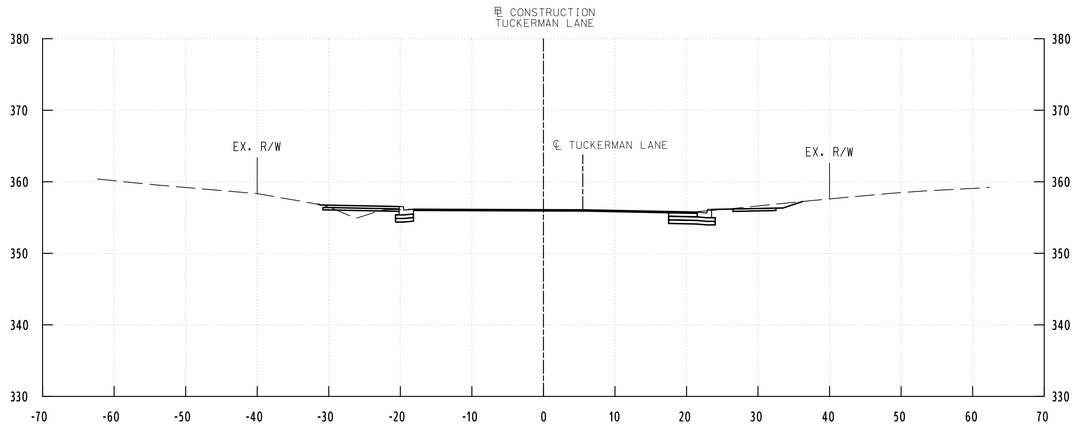
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

PLAN SHEET CS-08
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 121+50 TO STA. 124+00

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 143 of 171



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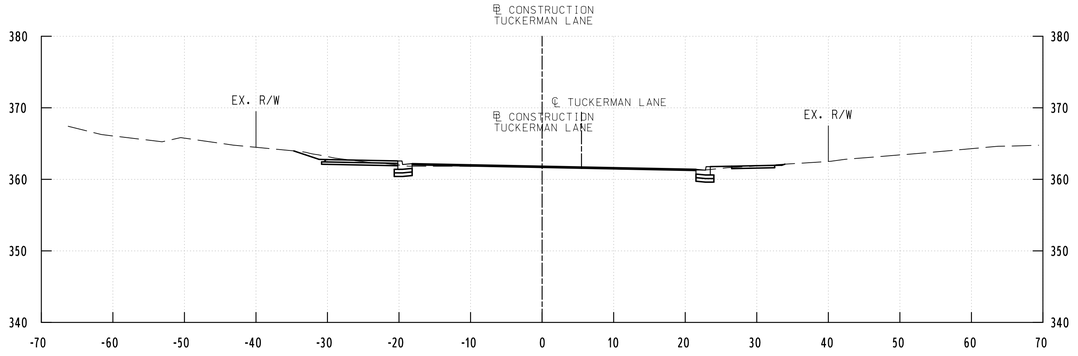

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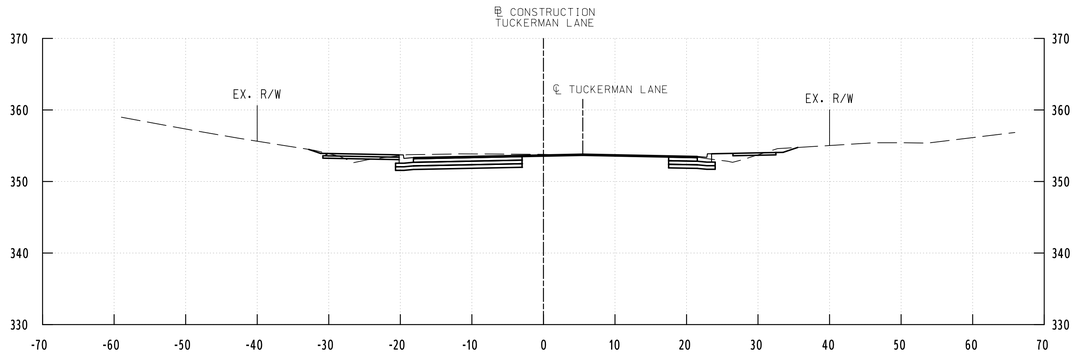

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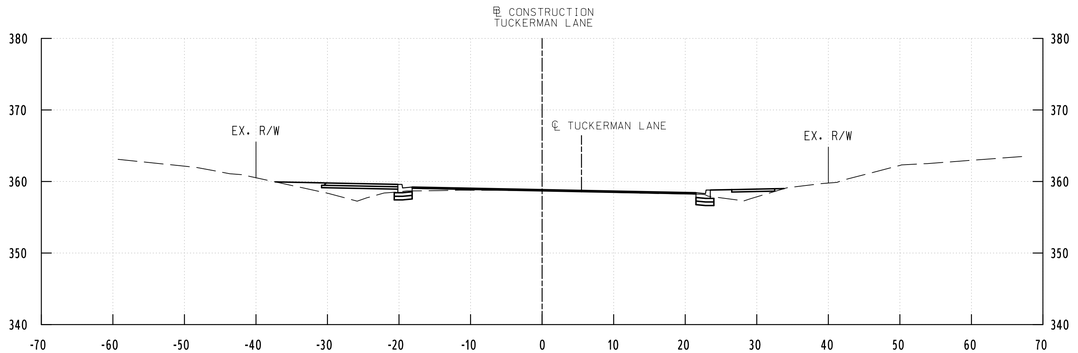

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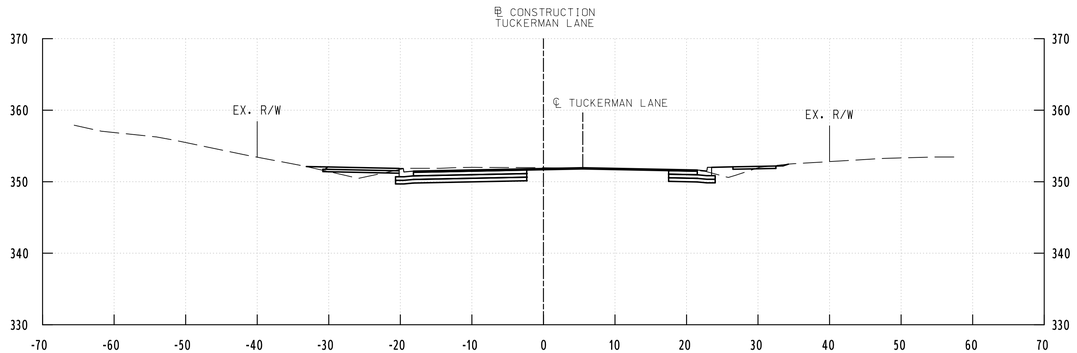
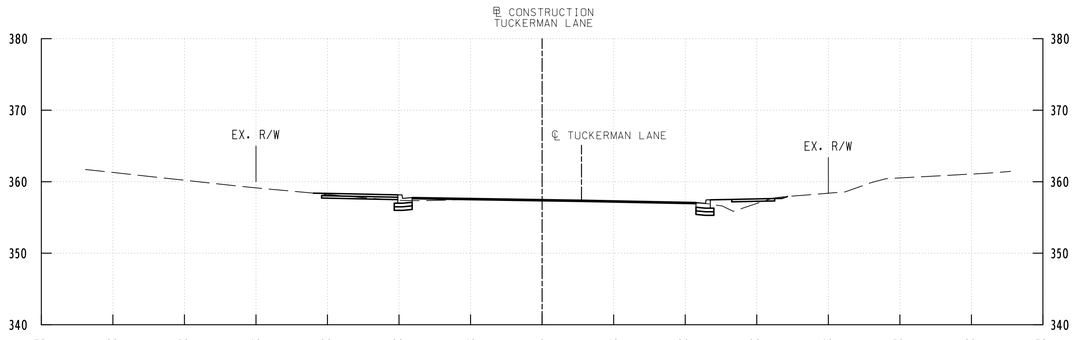


124+50.00



125+75.85

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

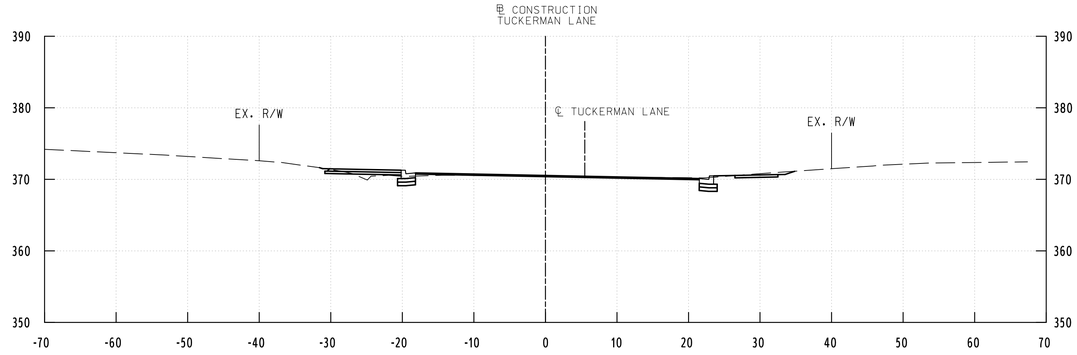
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

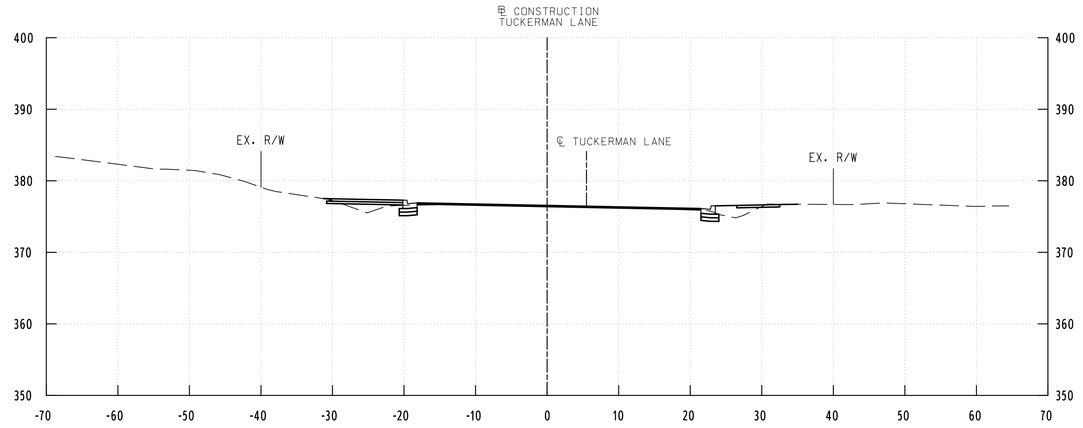
PLAN SHEET CS-09
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 124+50 TO STA. 126+50

SCALE : 1"= 10' 09/2021

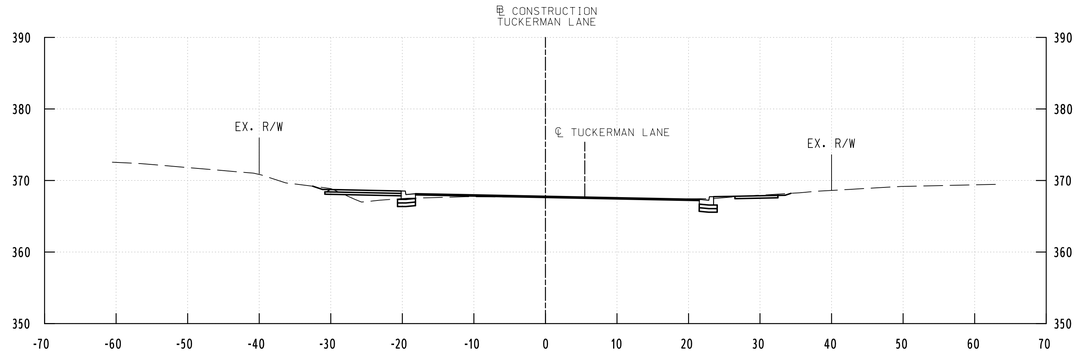
Project No. : C.I.P. PR. # 501744 SHEET 144 of 171



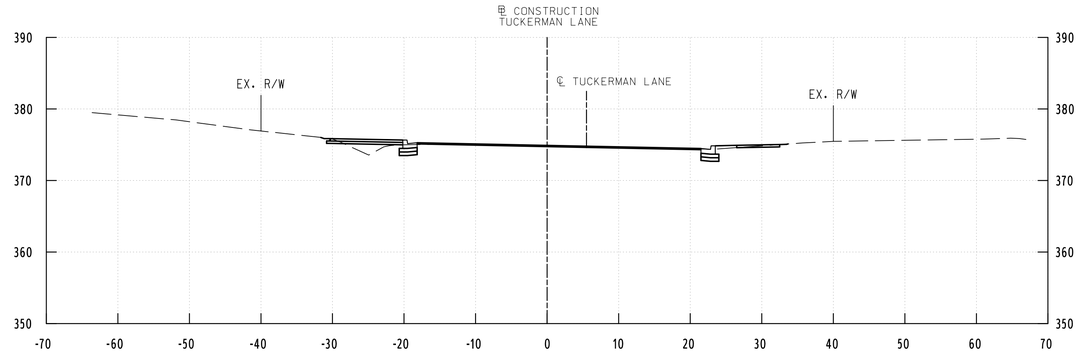
128+00.00



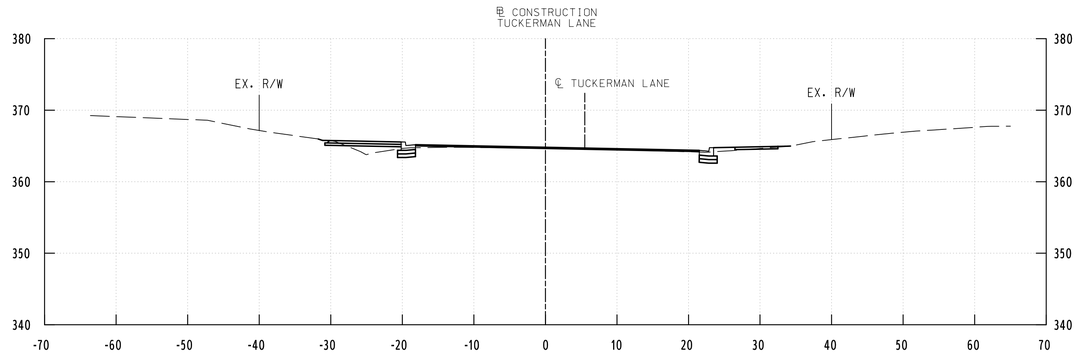
129+50.00



127+50.00



129+00.00



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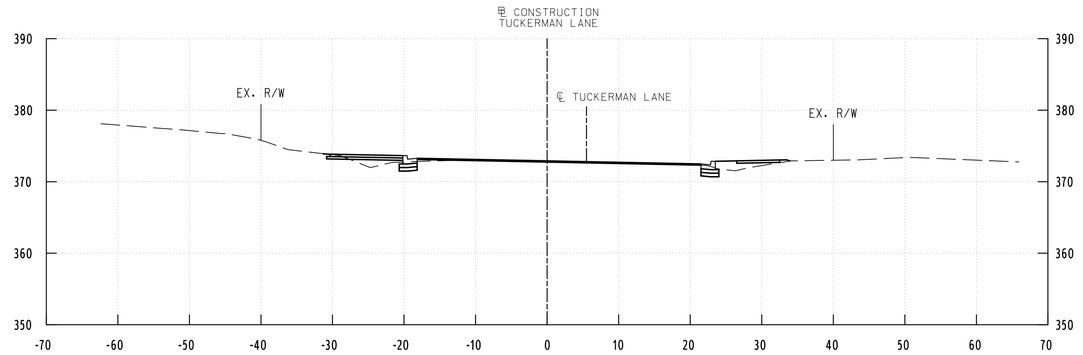

128+50.00

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DATE 9/17/2021

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APPROVED

Chief, Division of Engineering Services Date

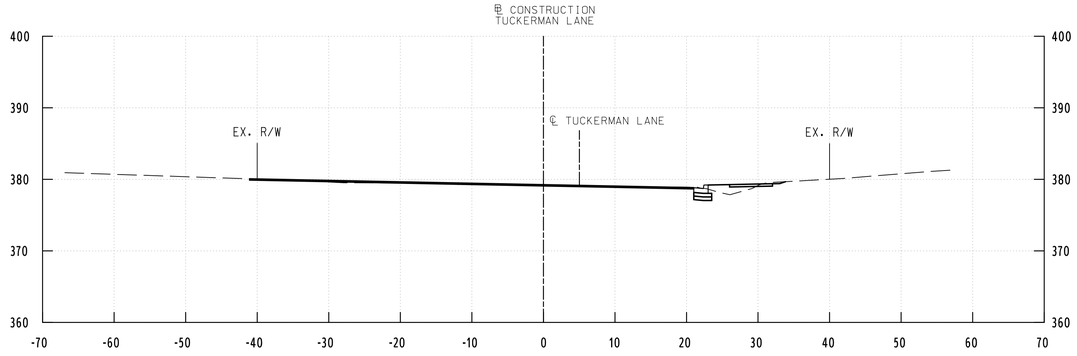
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

PLAN SHEET CS-10
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 127+00 TO STA. 129+50

SCALE : 1" = 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 145 of 171



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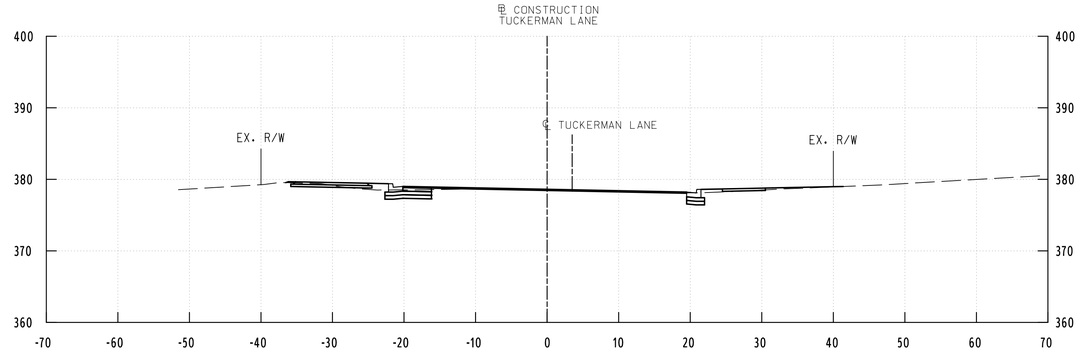
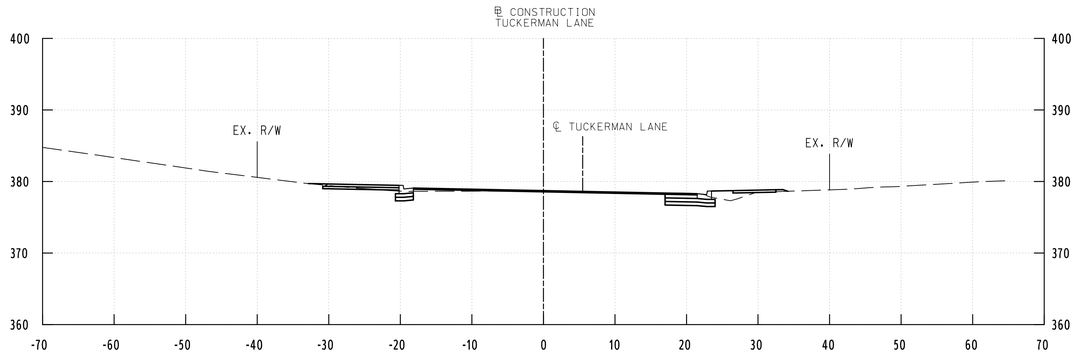


132+50.00



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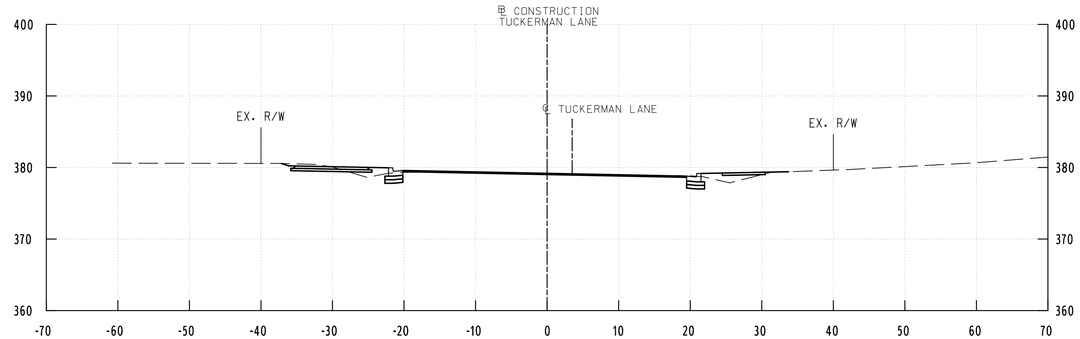

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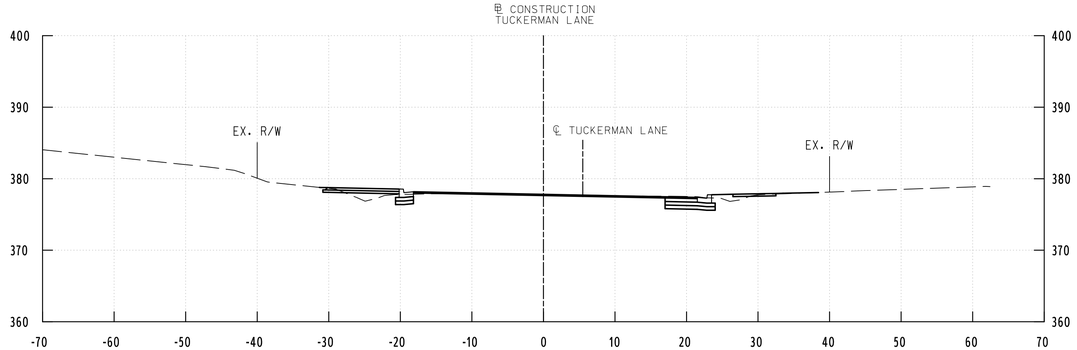

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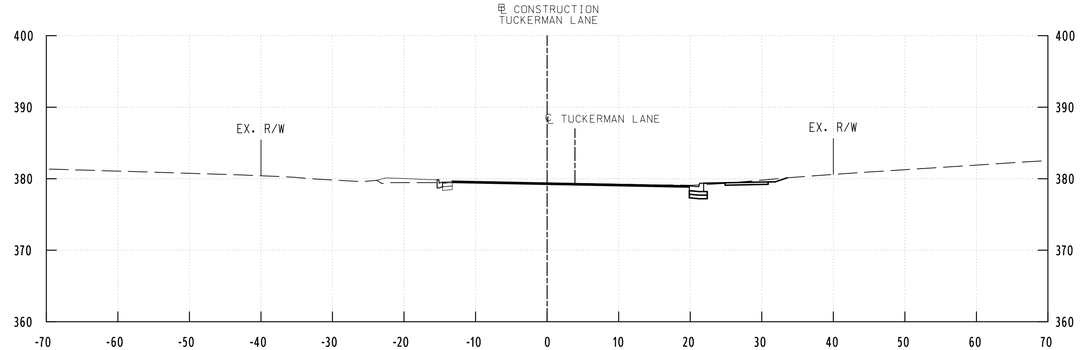

131+50.00

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Hunt Valley, Maryland 21030
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PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

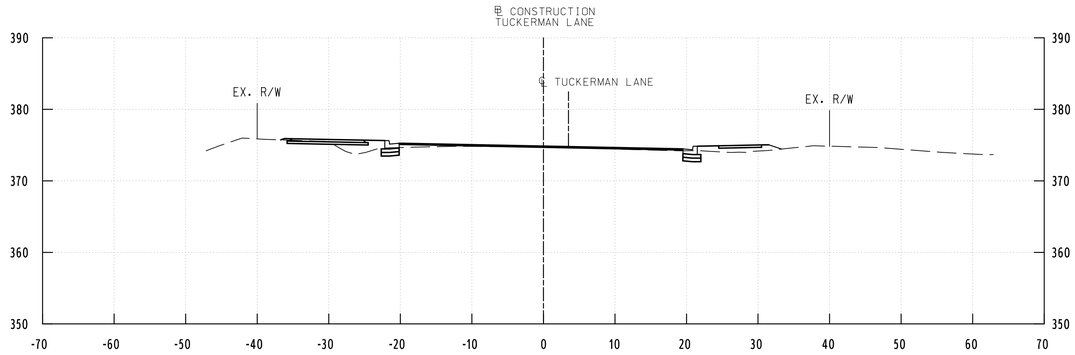
Designed by : Drawn by : Checked by :

PLAN SHEET CS-11
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 130+00 TO STA. 132+50

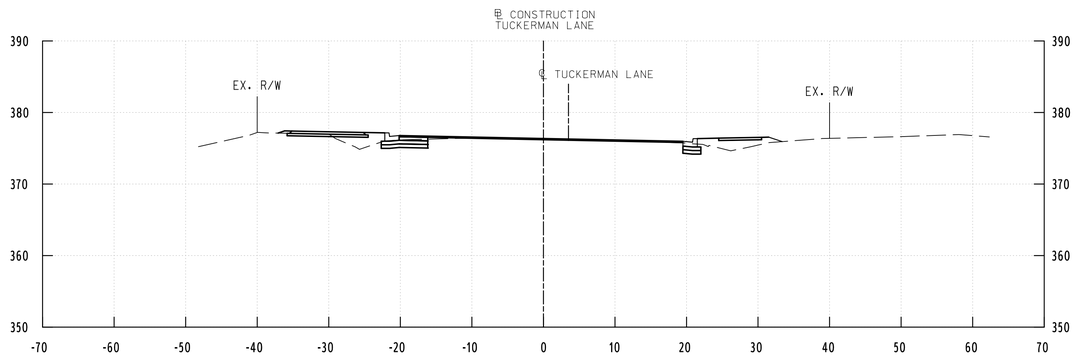
SCALE : 1" = 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 146 of 171

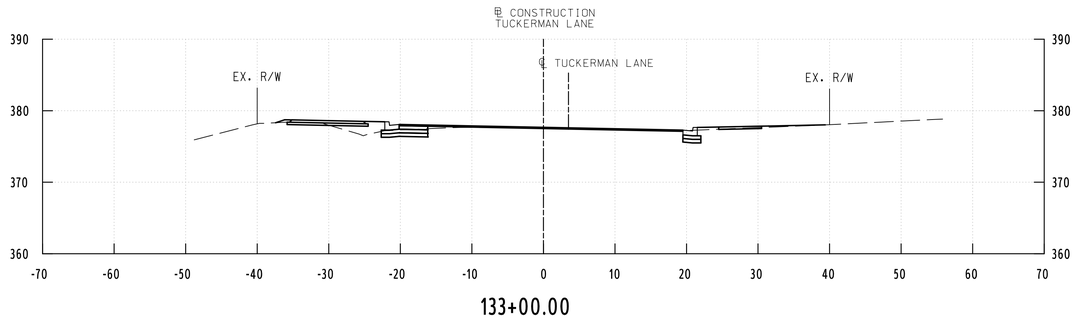
PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn



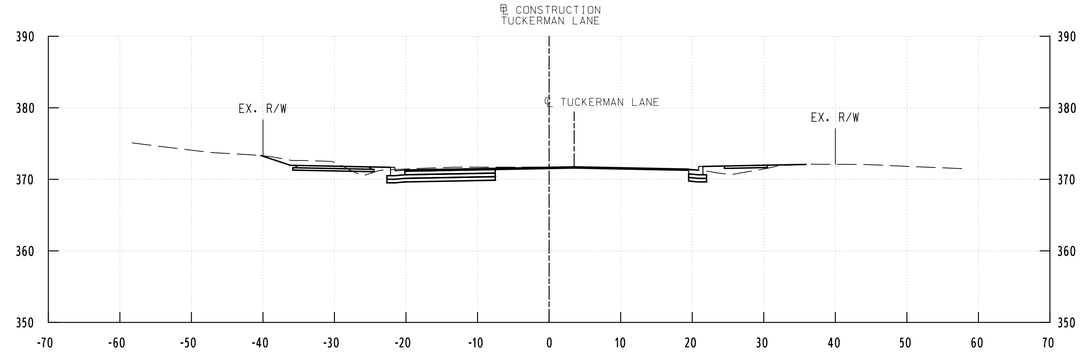
134+00.00



133+50.00



133+00.00



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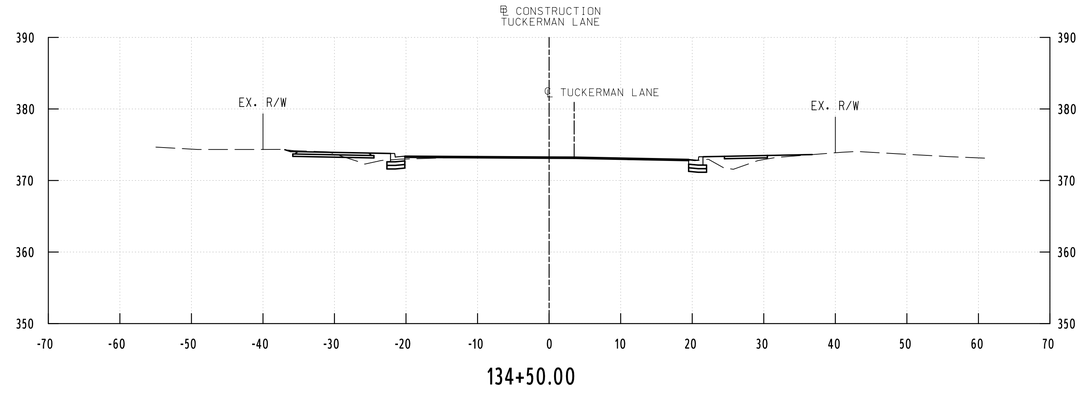

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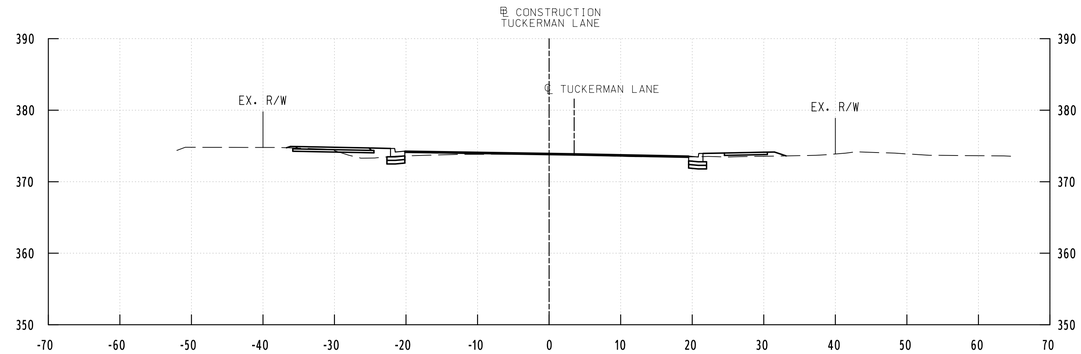

134+29.11

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

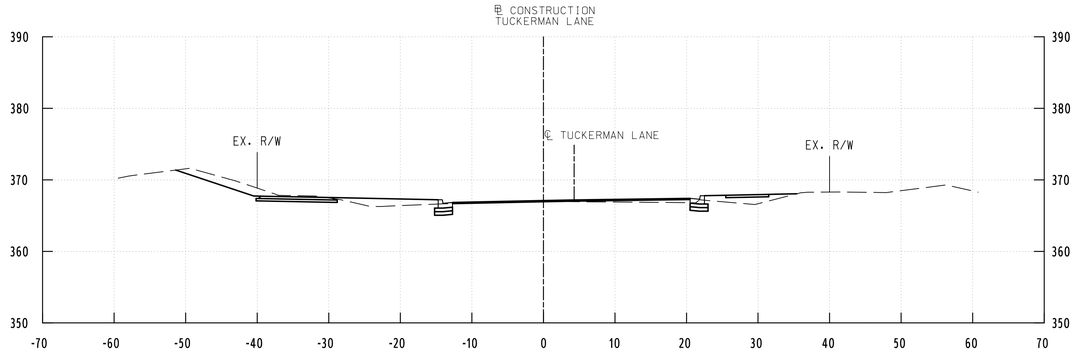
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

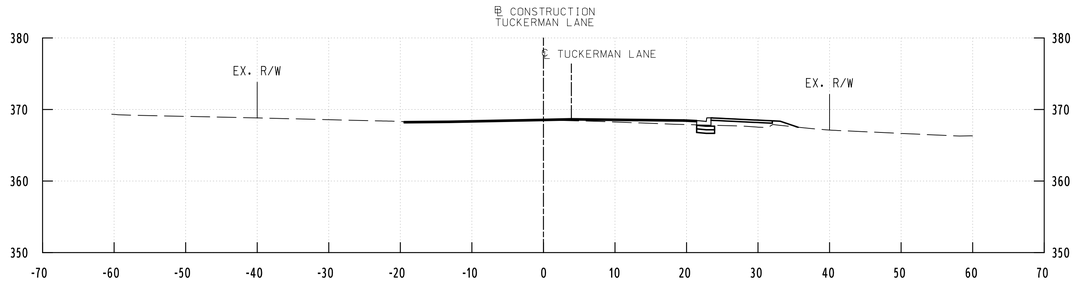
PLAN SHEET CS-12
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 133+00 TO STA. 135+00

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 147 of 171



136+50.00



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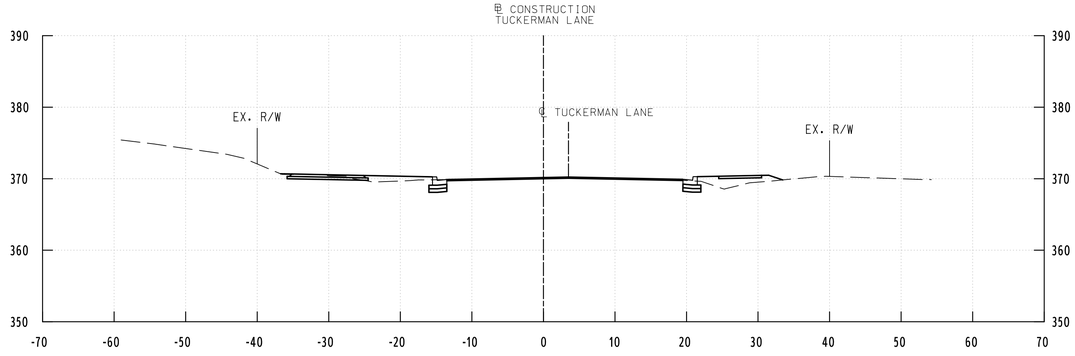

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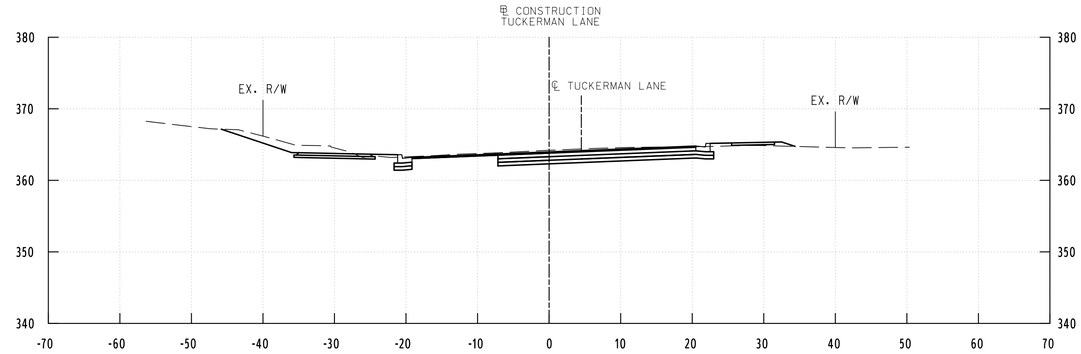

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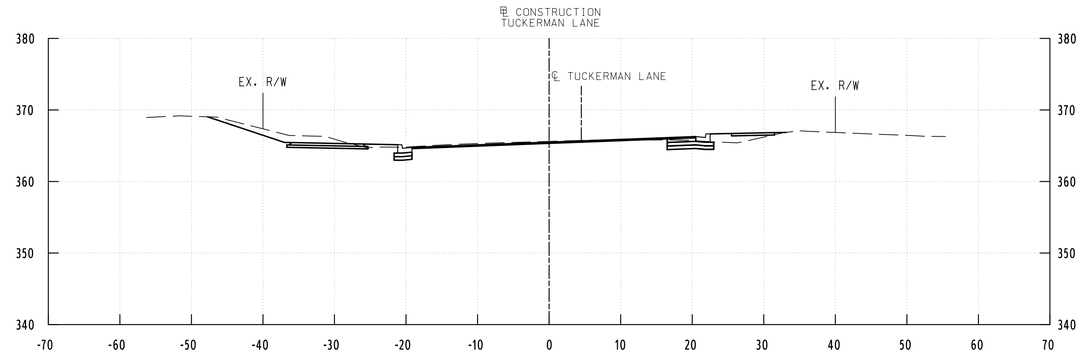

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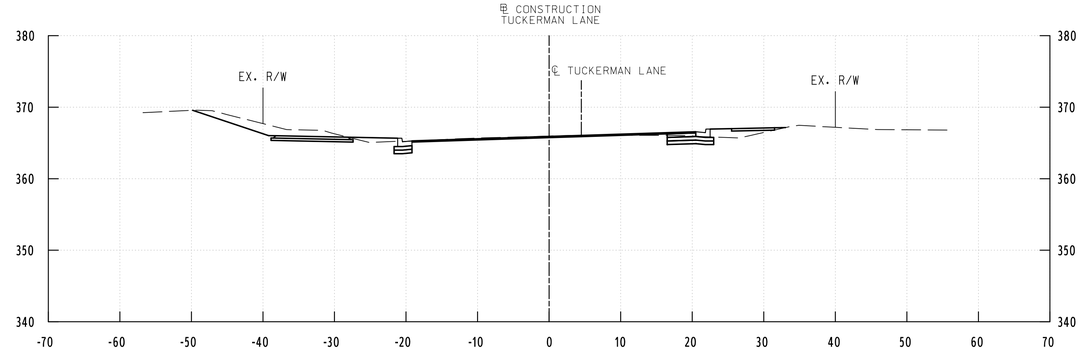

136+87.49

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PROFESSIONAL CERTIFICATION

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

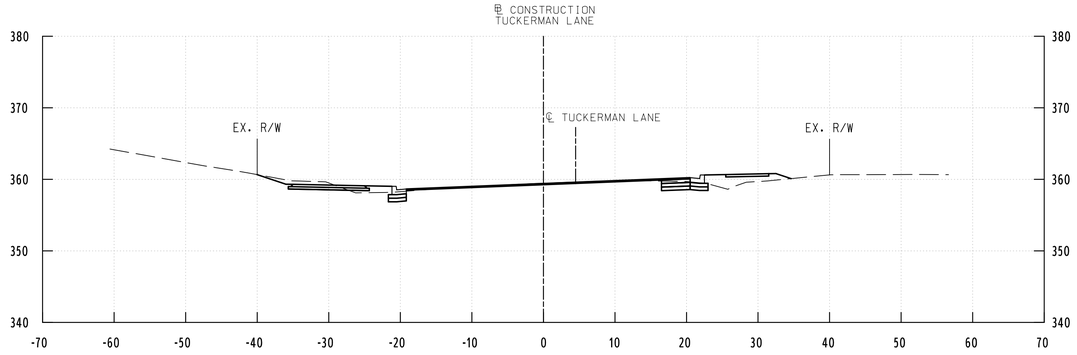
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

PLAN SHEET CS-13
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 135+50 TO STA. 137+50

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 148 of 171



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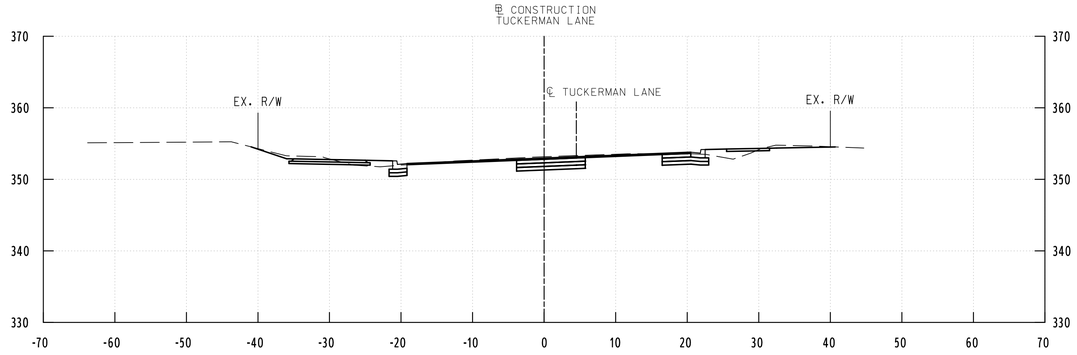

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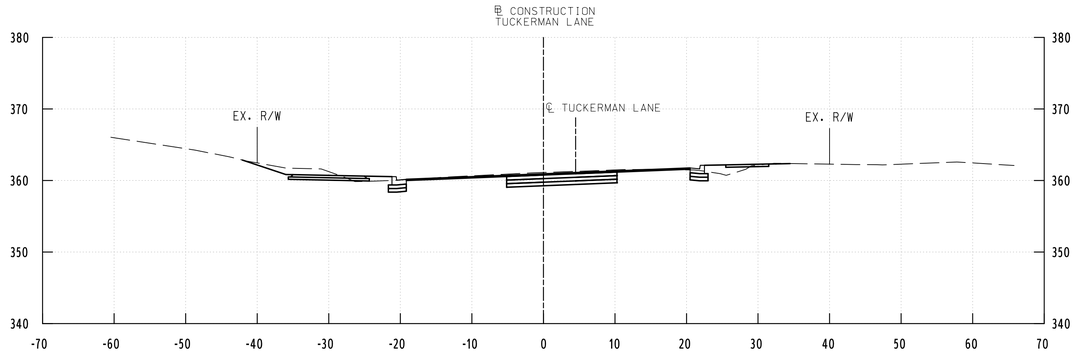

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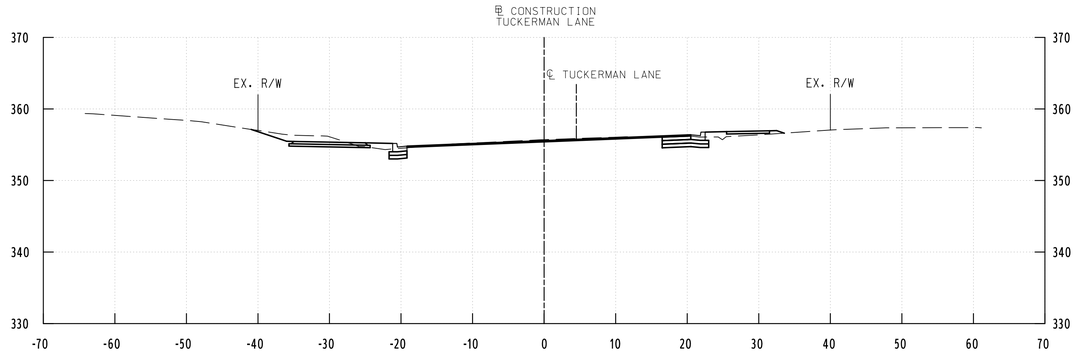

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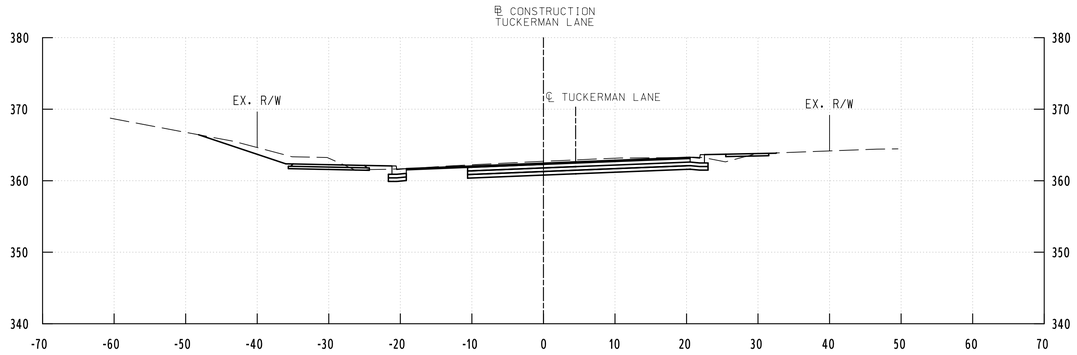

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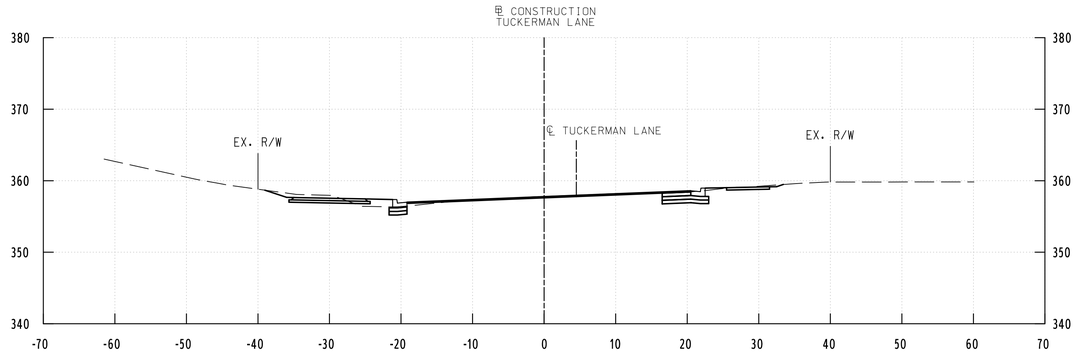

139+50.00

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PROFESSIONAL CERTIFICATION

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

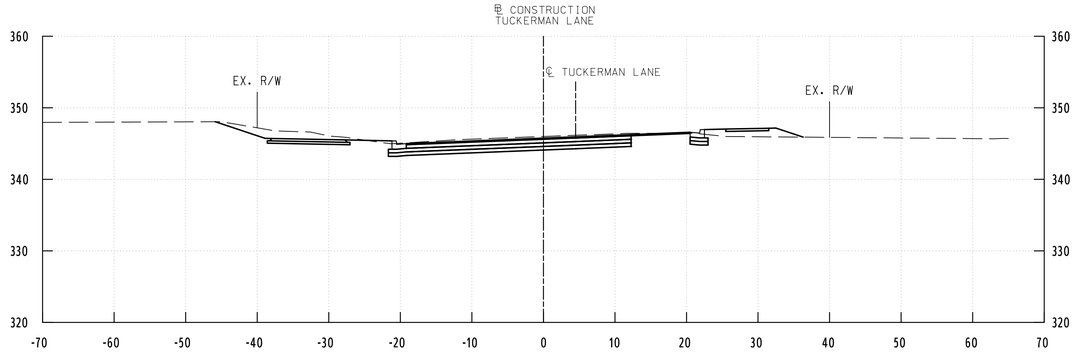
Designed by : Drawn by : Checked by :

PLAN SHEET CS-14
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 138+00 TO STA. 140+50

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 149 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn



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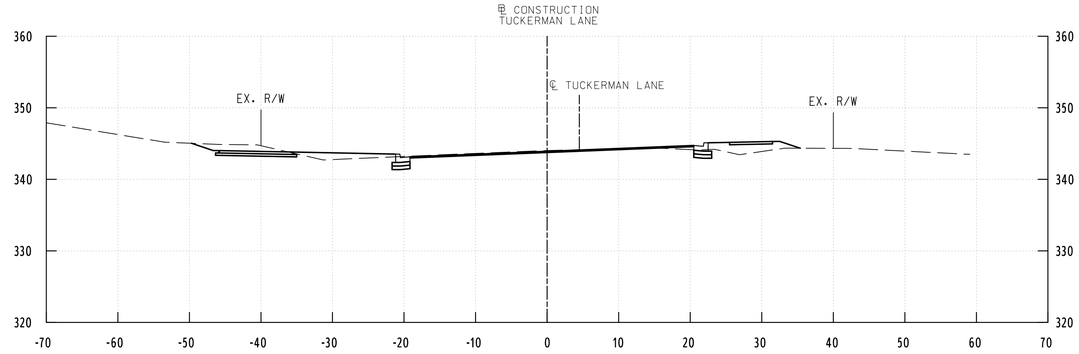

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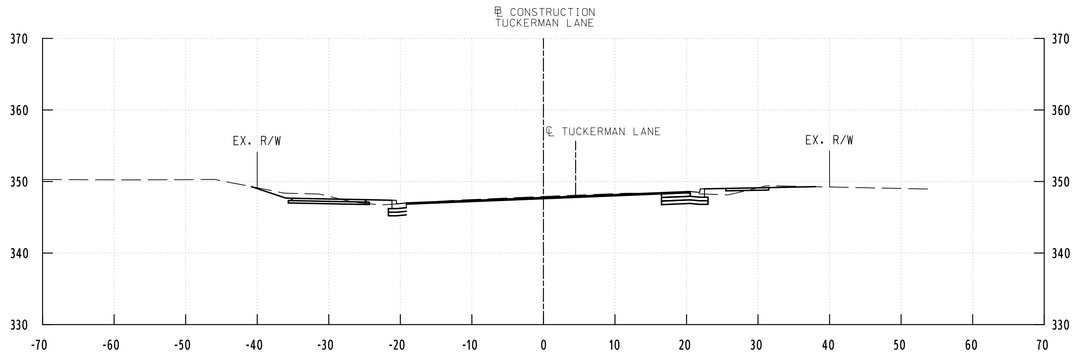

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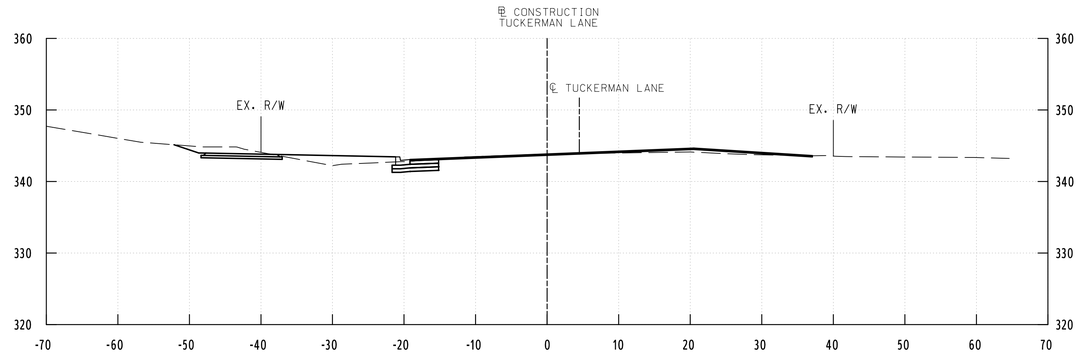

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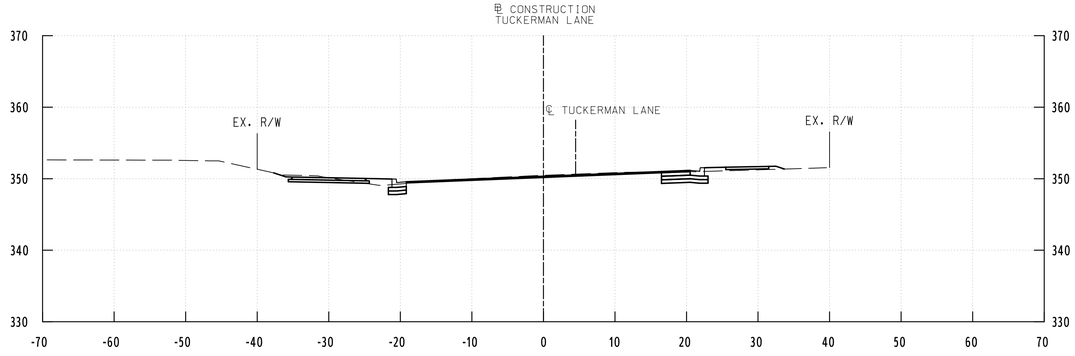

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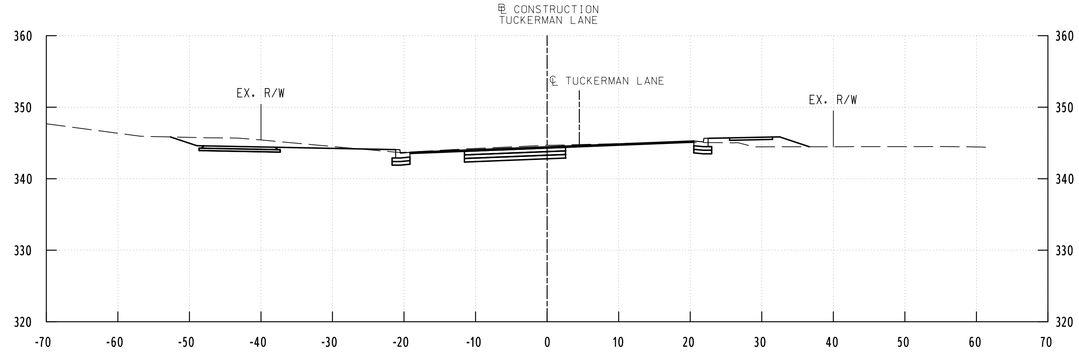

142+50.00

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

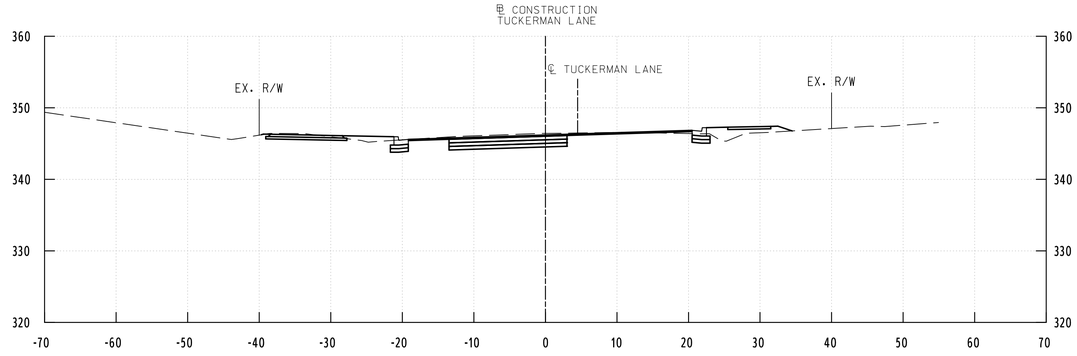
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

PLAN SHEET CS-15
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 141+00 TO STA. 143+50

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 150 of 171



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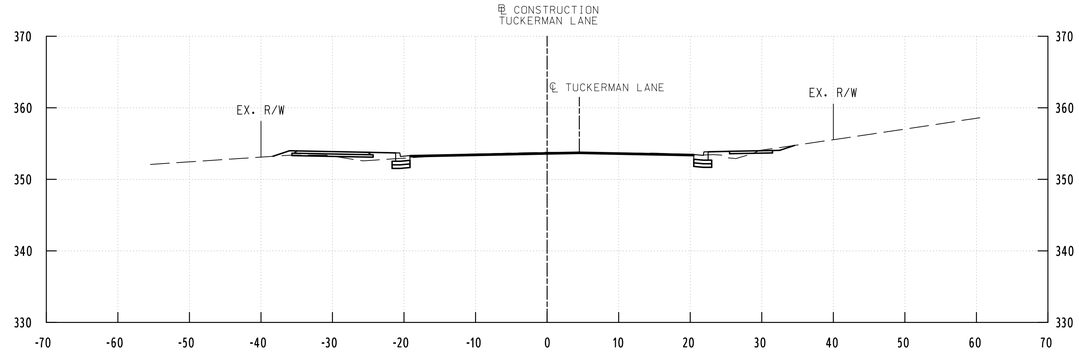
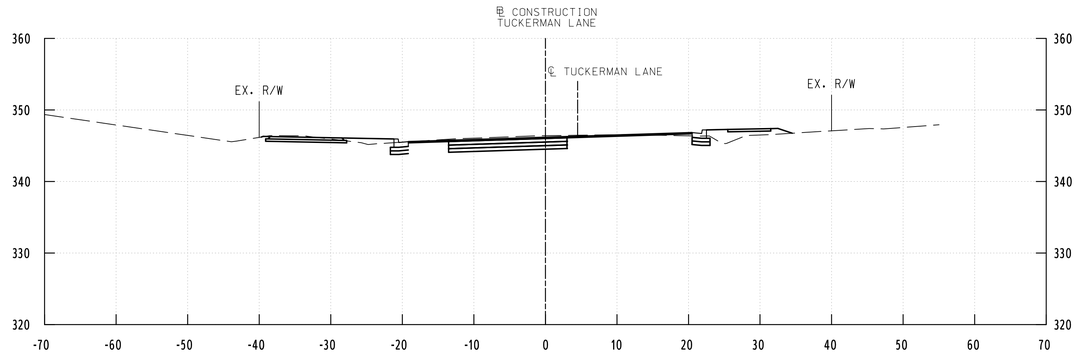
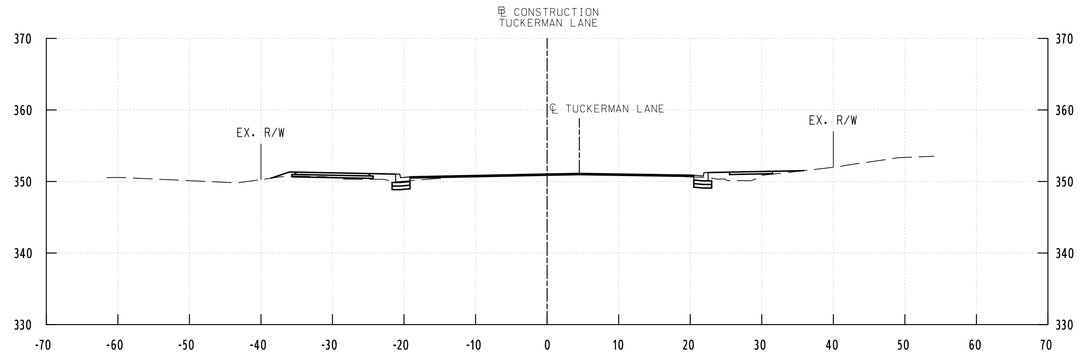


146+00.00



144+50.00



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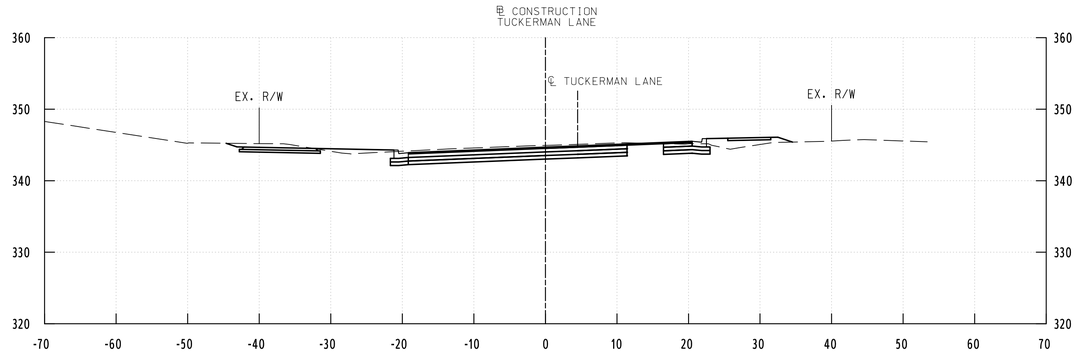

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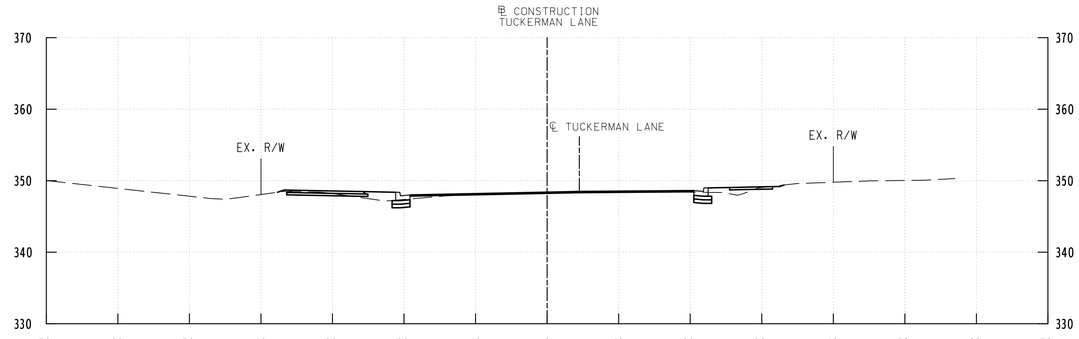

145+00.00

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SEAL
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No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

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DATUM: NAD 83/91 HORIZONTAL
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NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

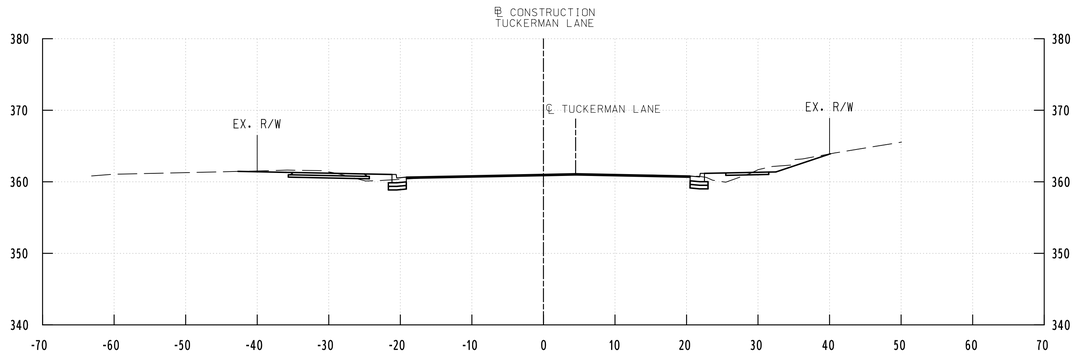
Designed by : Drawn by : Checked by :

PLAN SHEET CS-16
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 144+00 TO STA. 146+00

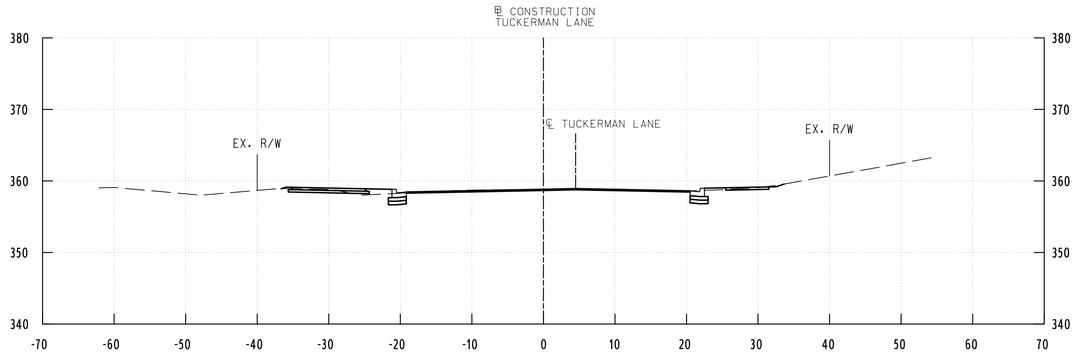
SCALE : 1" = 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 151 of 171

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn



147+50.00



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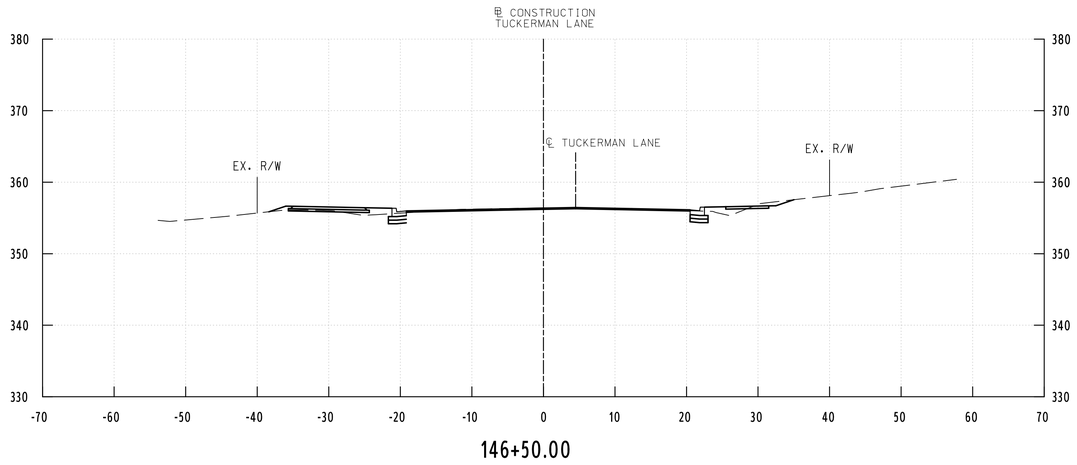
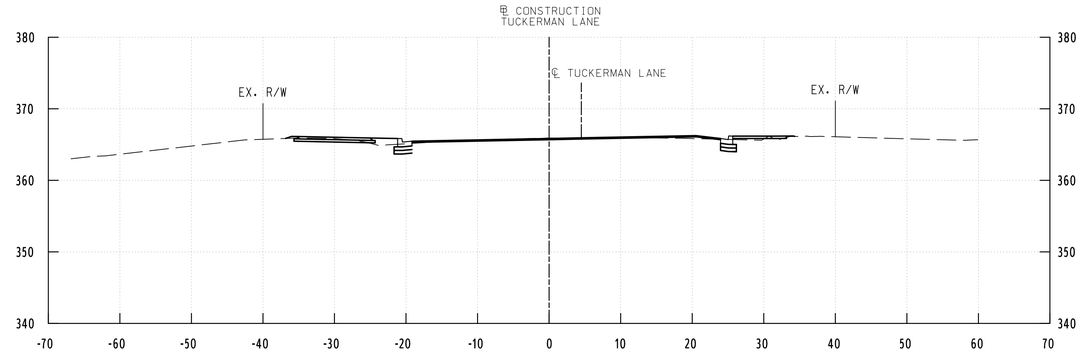
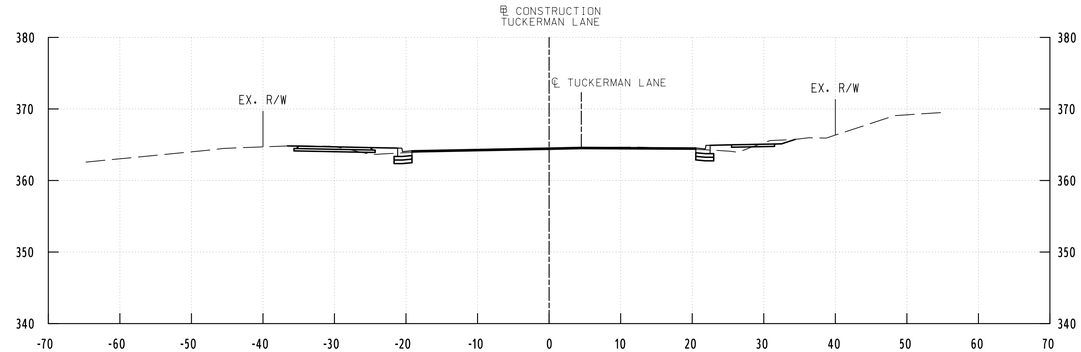


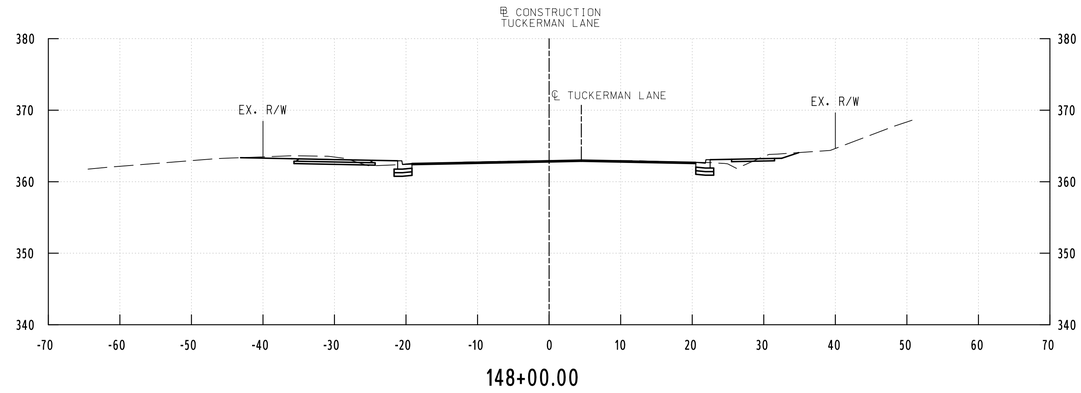
146+50.00



149+00.00



148+50.00



148+00.00

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PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

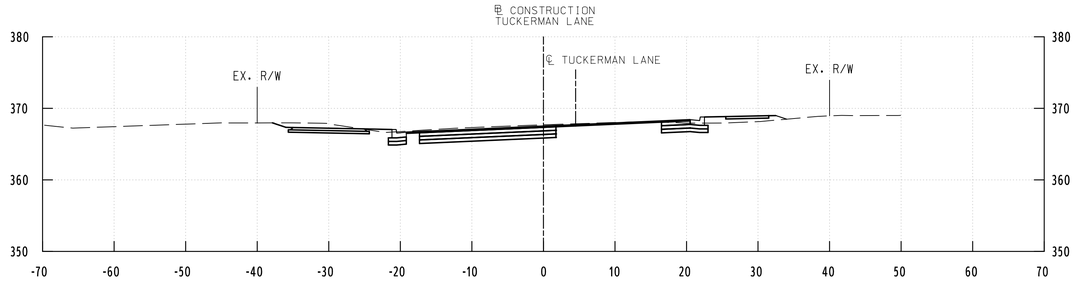
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

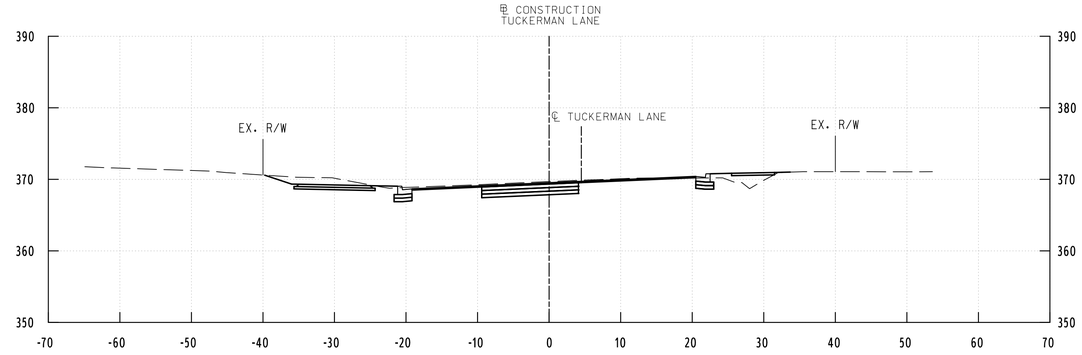
PLAN SHEET CS-17
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 146+50 TO STA. 149+00

SCALE : 1"= 10' 09/2021

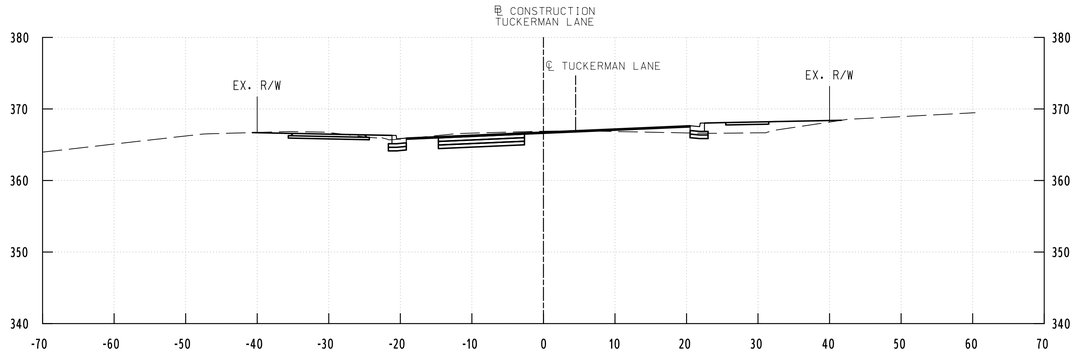
Project No. : C.I.P. PR. # 501744 SHEET 152 of 171



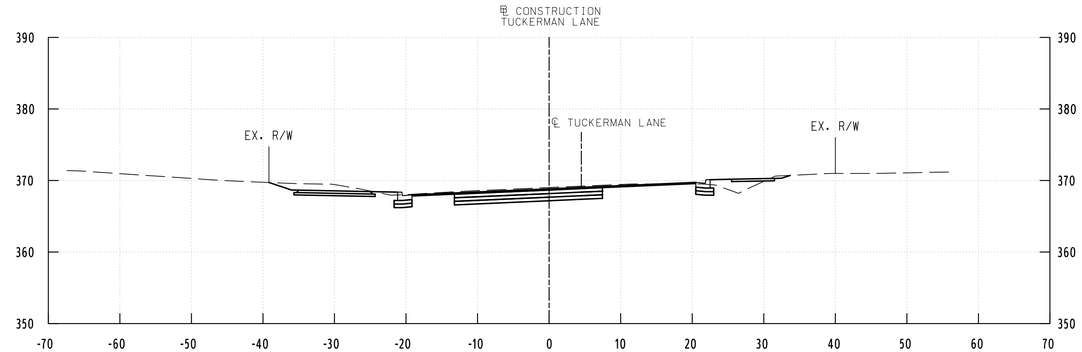
150+00.00



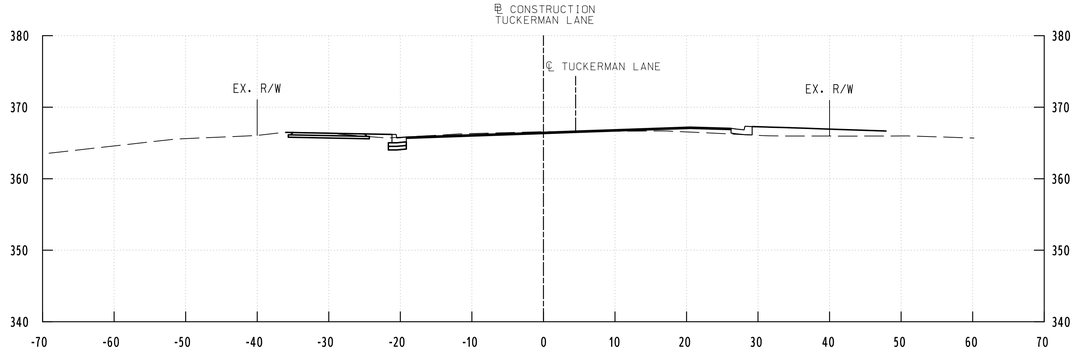
151+50.00



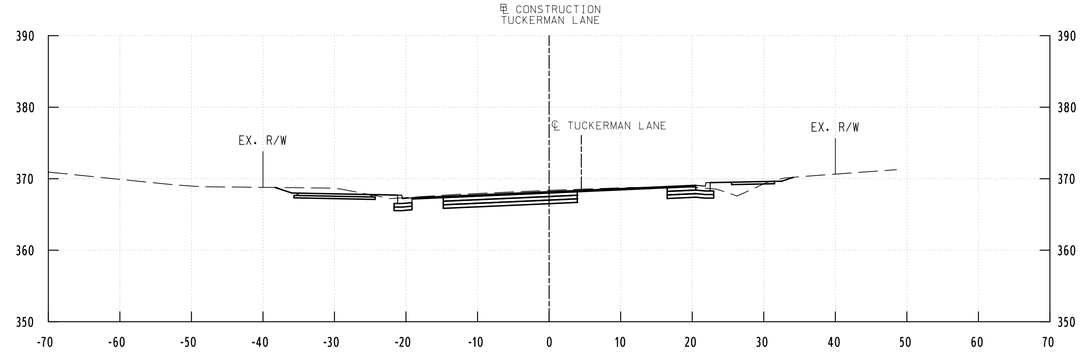
149+50.00



151+00.00



149+32.64



150+50.00

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

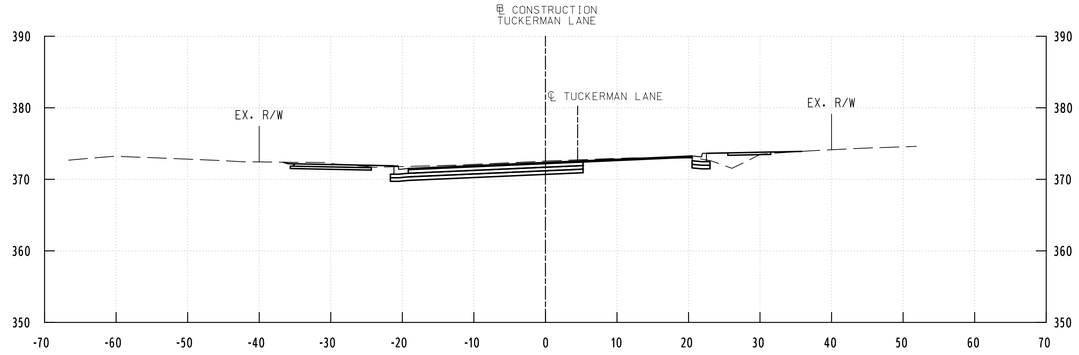
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

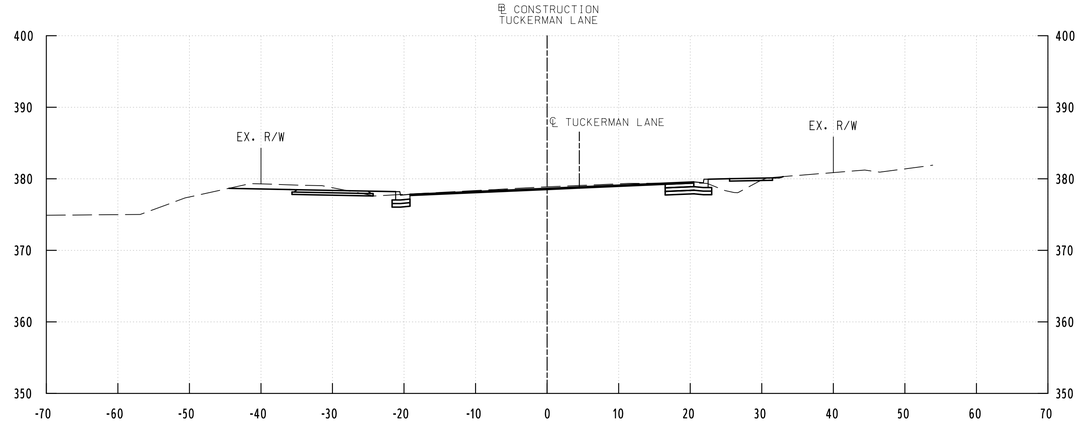
PLAN SHEET CS-18
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 149+32.64 TO STA. 151+00

SCALE : 1"= 10' 09/2021

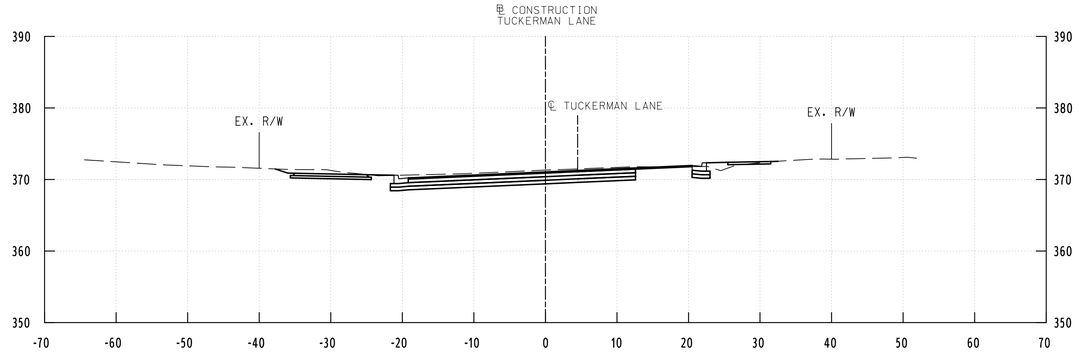
Project No. : C.I.P. PR. # 501744 SHEET 153 of 171



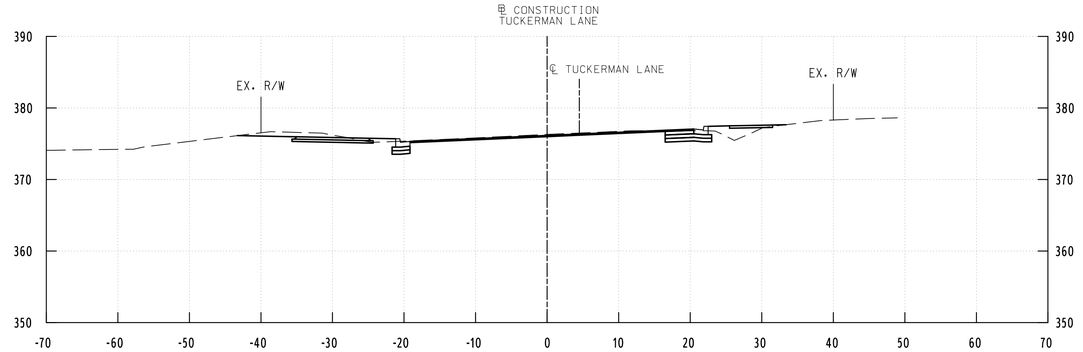
153+00.00



154+50.00



152+50.00



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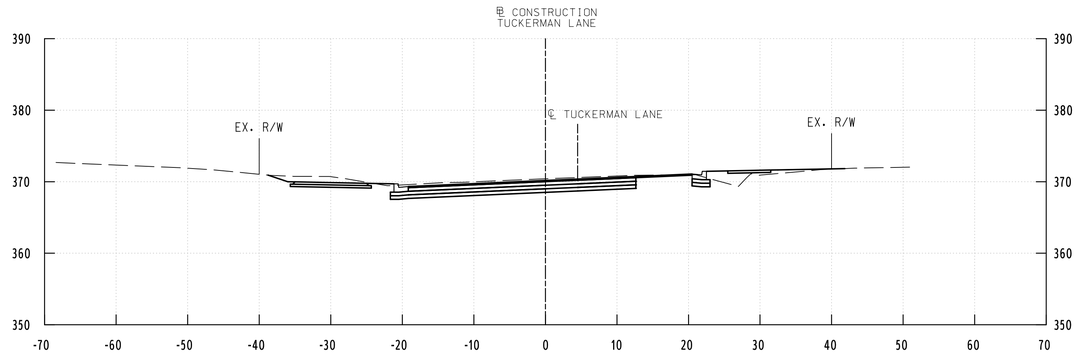
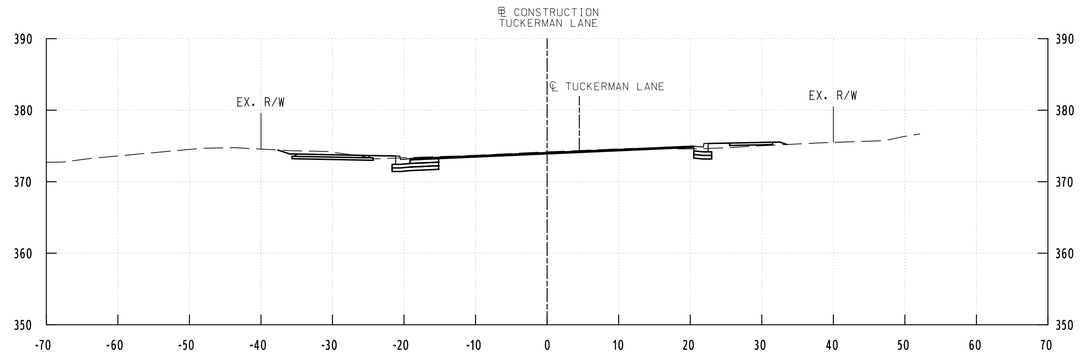


152+00.00



153+50.00

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

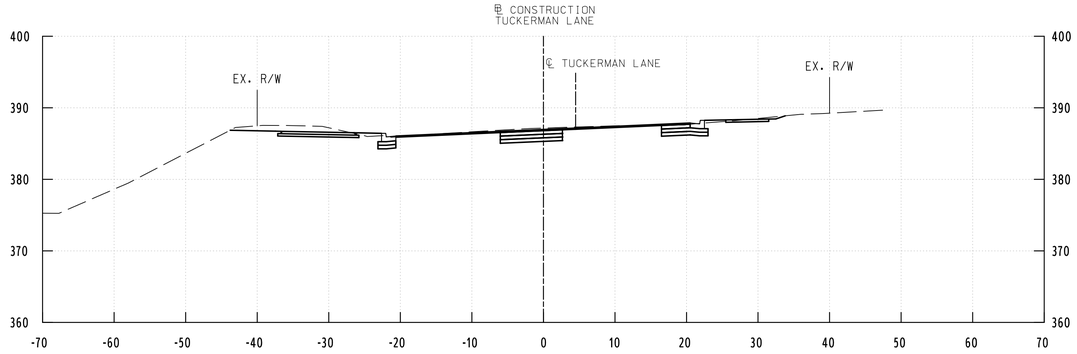
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

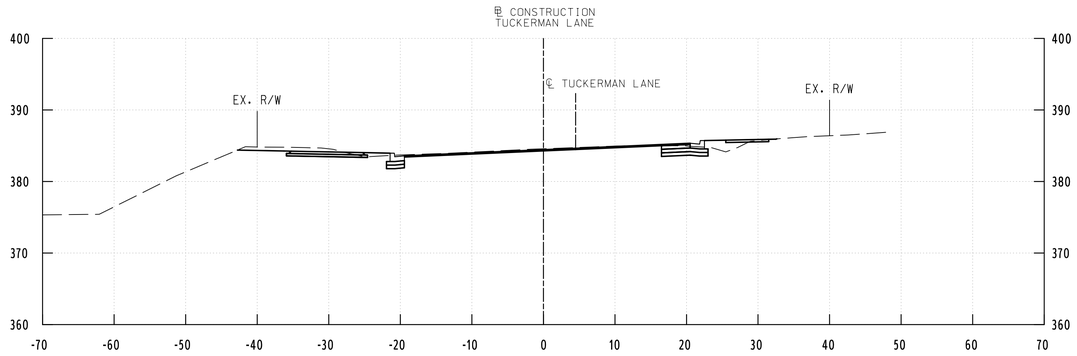
PLAN SHEET CS-19
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 152+00 TO STA. 154+50

SCALE : 1"= 10' 09/2021

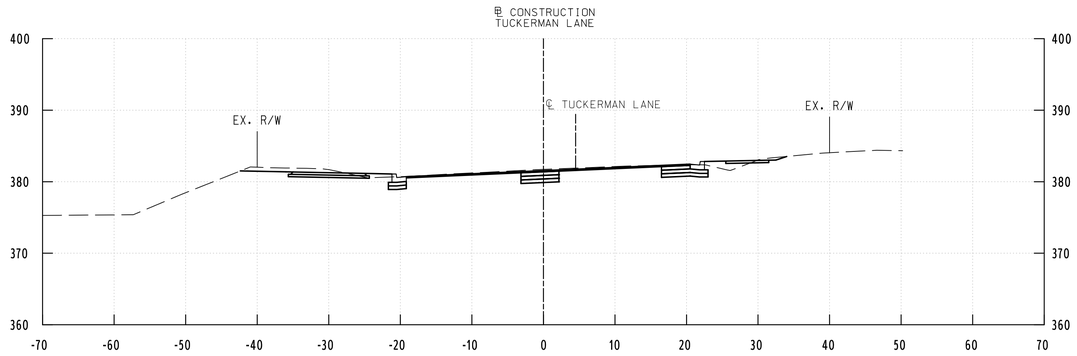
Project No. : C.I.P. PR. # 501744 SHEET 154 of 171



156+00.00



155+50.00



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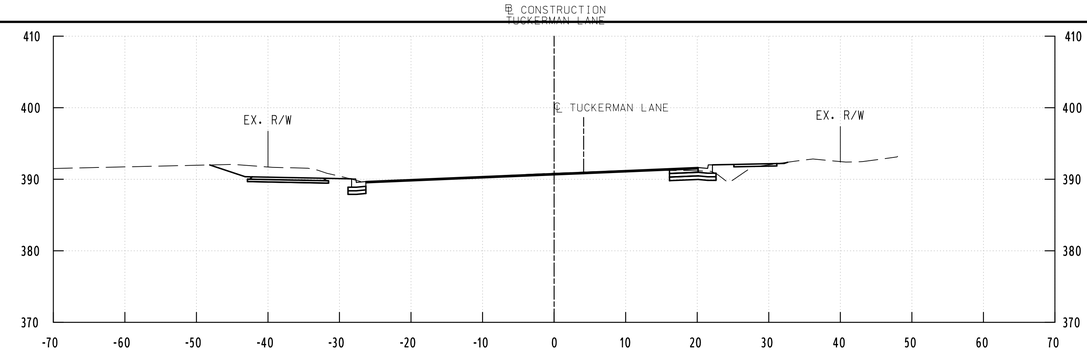

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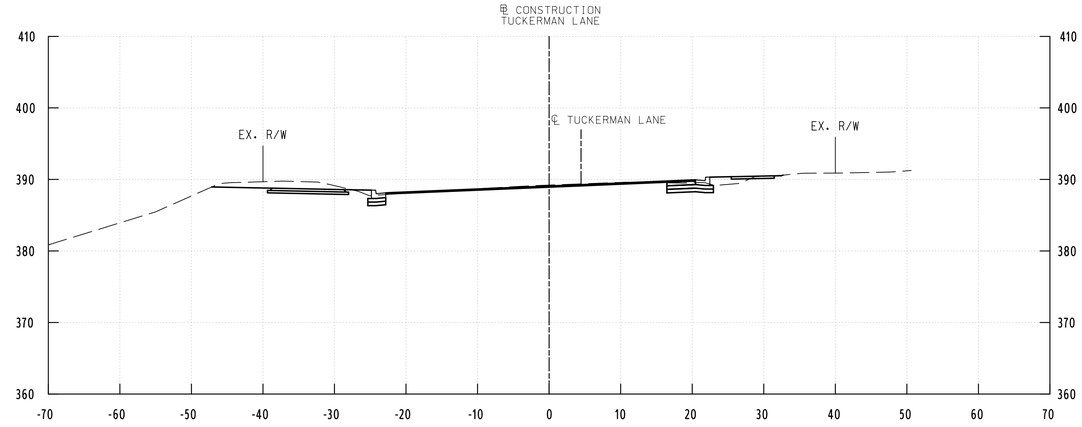

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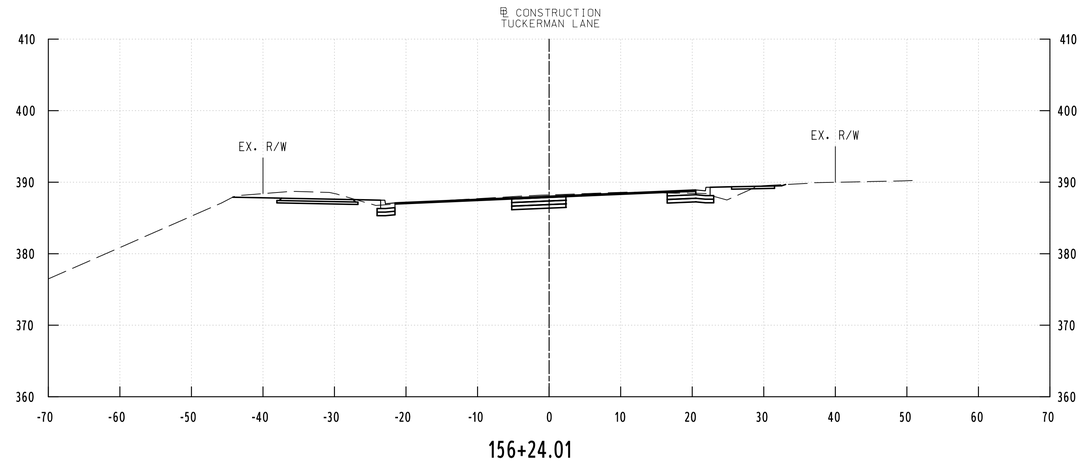

156+24.01

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PROFESSIONAL CERTIFICATION

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

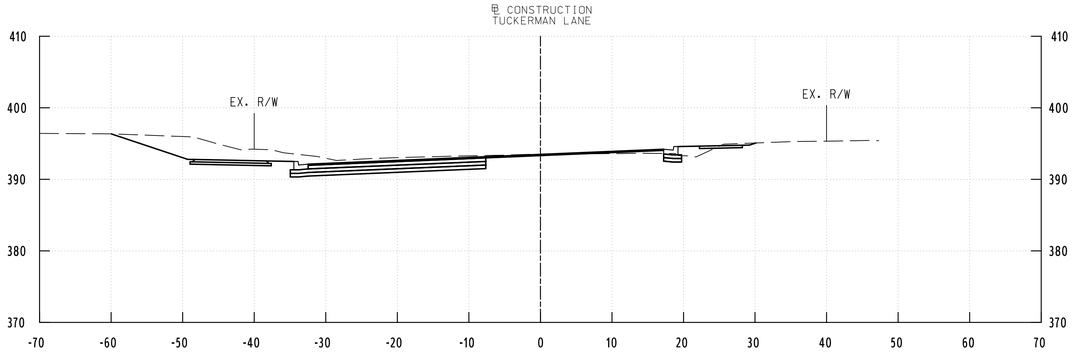
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

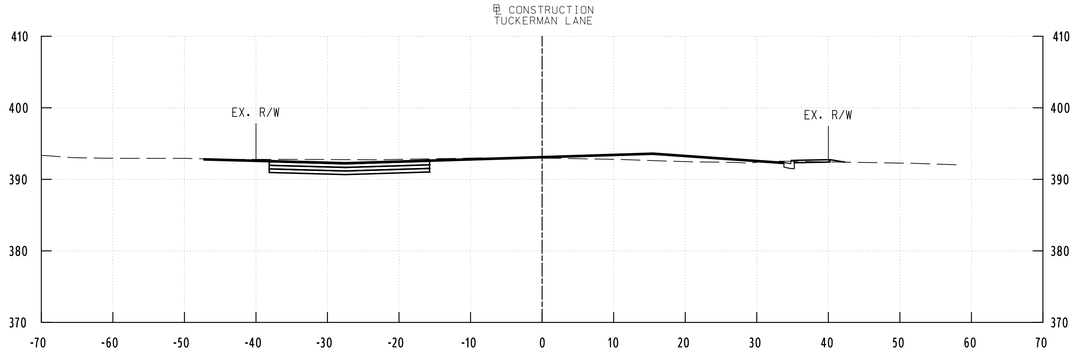
PLAN SHEET CS-20
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 155+00 TO STA. 157+00

SCALE : 1" = 10' 09/2021

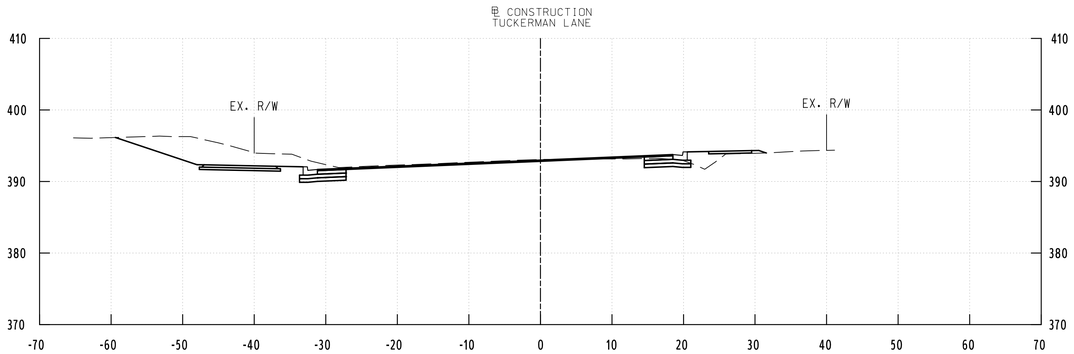
Project No. : C.I.P. PR. # 501744 SHEET 155 of 171



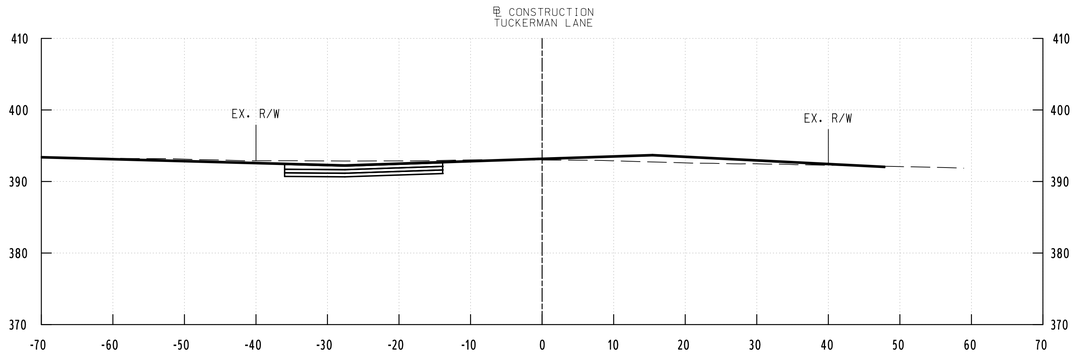
158+50.00



159+50.00



158+00.00



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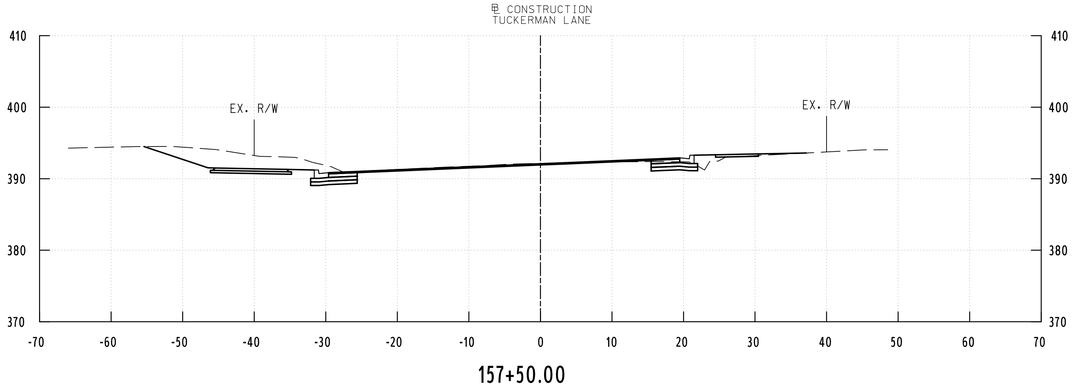
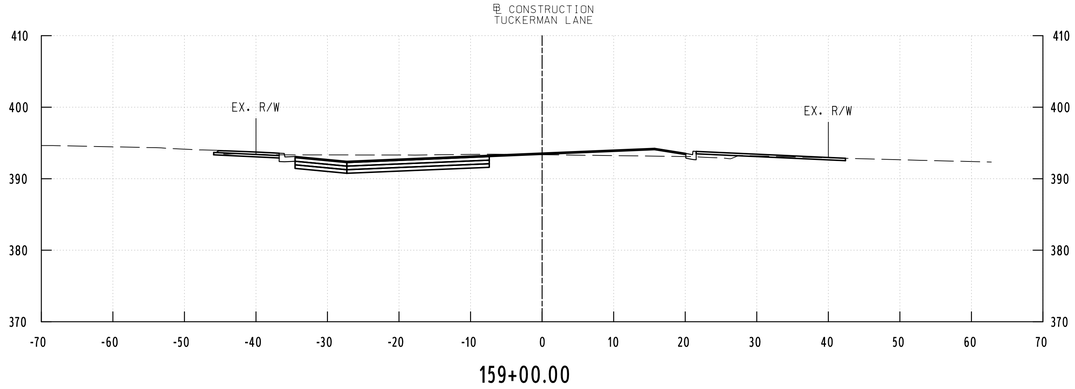


157+50.00



159+00.00

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

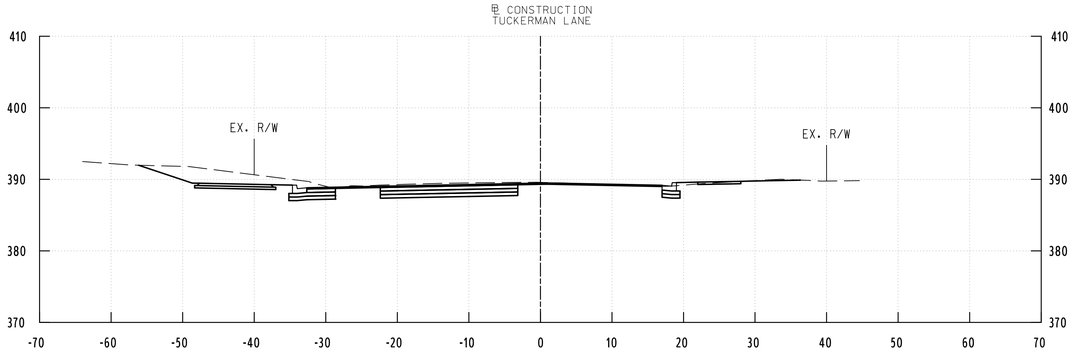
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

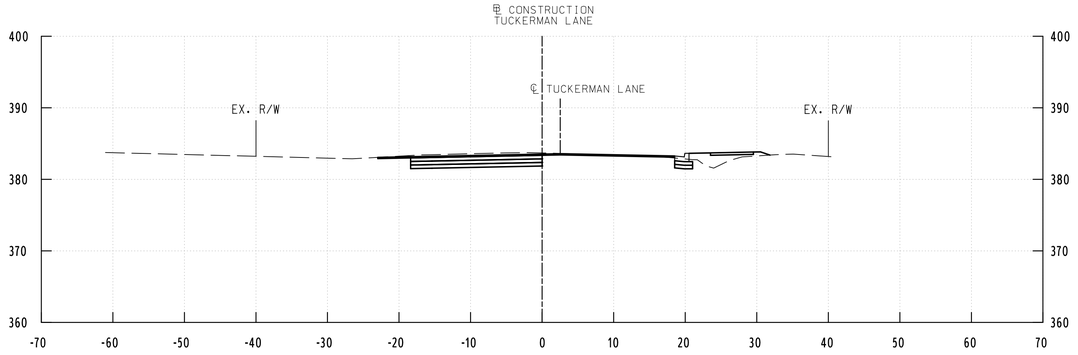
PLAN SHEET CS-21
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 157+50 TO STA. 159+50

SCALE : 1" = 10' 09/2021

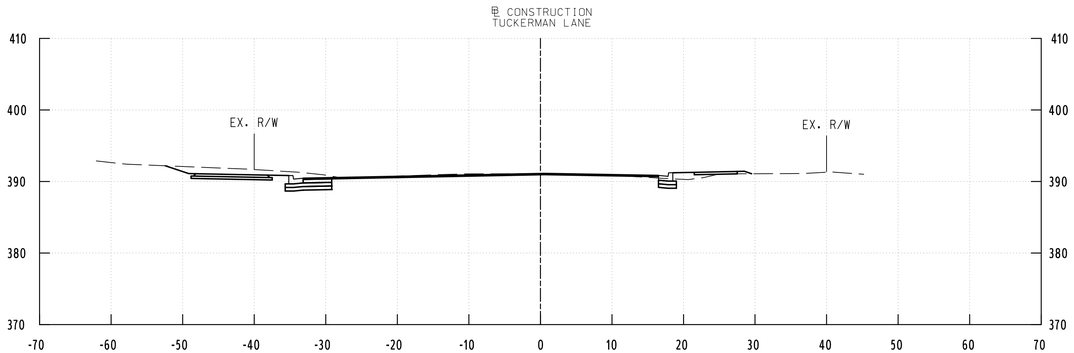
Project No. : C.I.P. PR. # 501744 SHEET 156 of 171



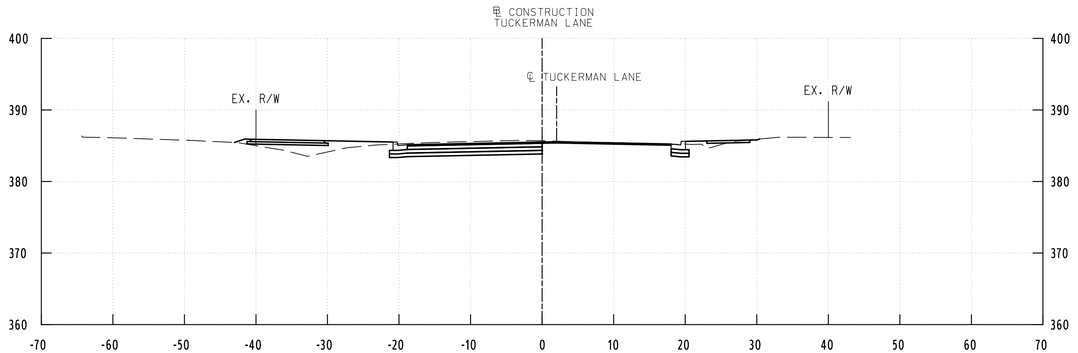
161+00.00



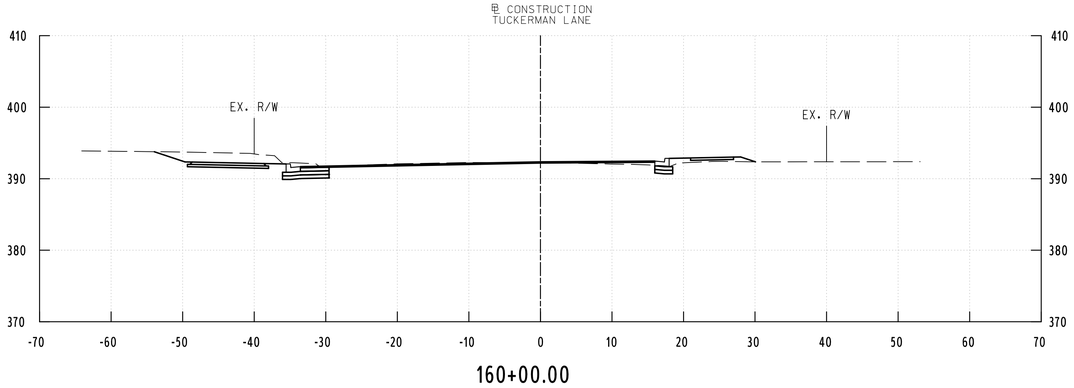
162+50.00



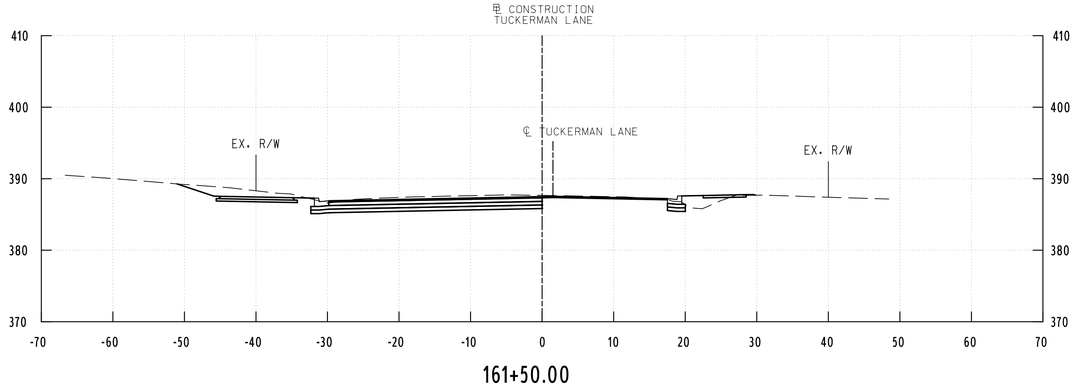
160+50.00



162+00.00



160+00.00



161+50.00

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100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

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Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

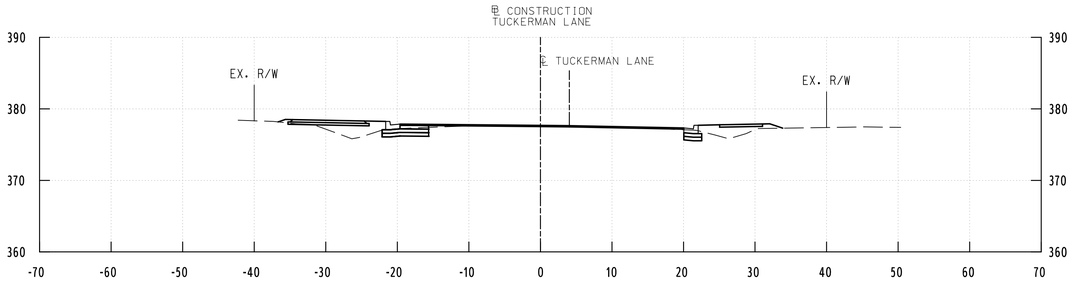
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

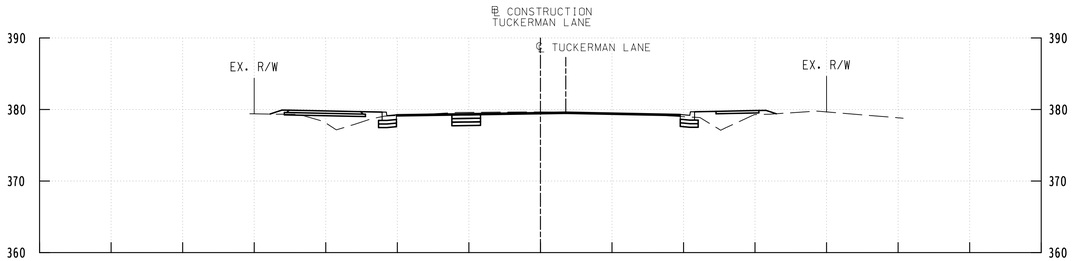
PLAN SHEET CS-22
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 160+00 TO STA. 162+50

SCALE : 1" = 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 157 of 171

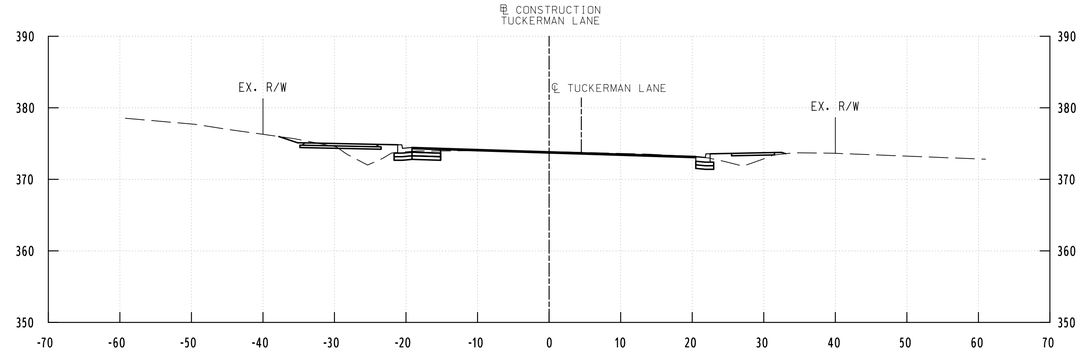


164+00.00

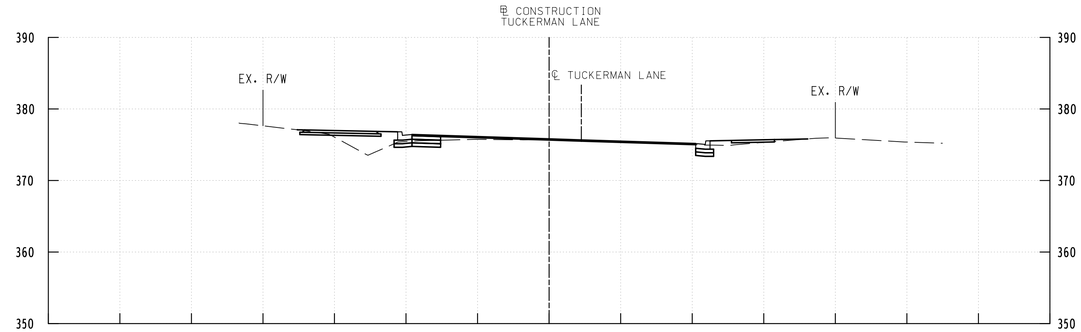


163+50.00

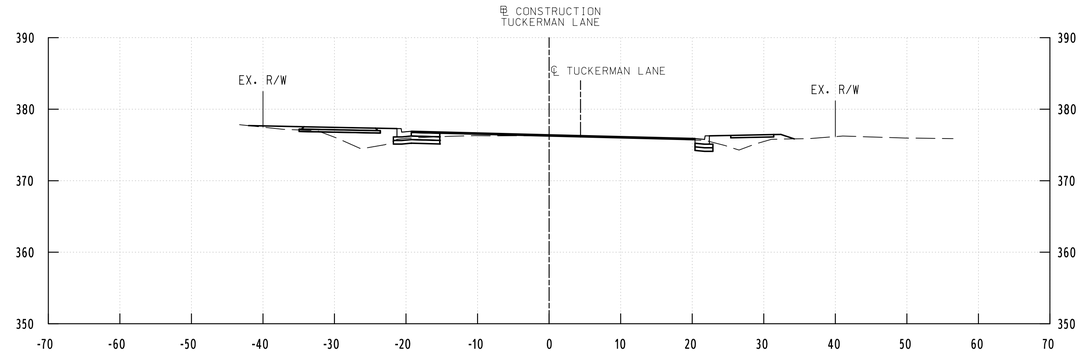
163+00.00



165+00.00



164+50.00



164+34.14

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PROFESSIONAL CERTIFICATION

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, MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

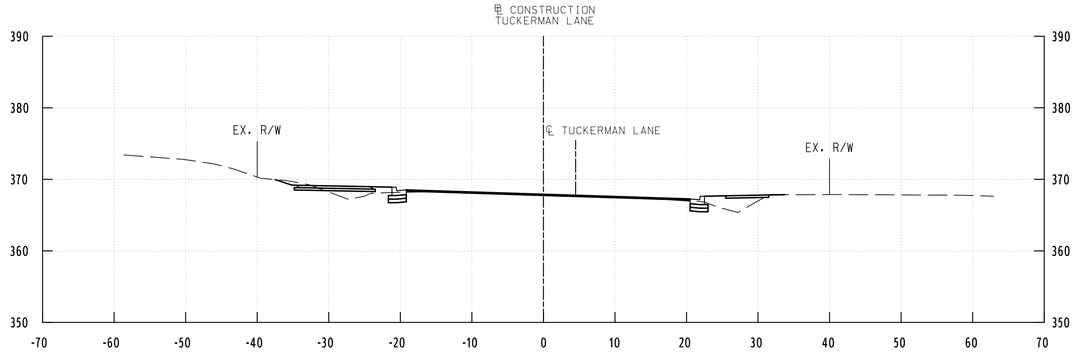
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

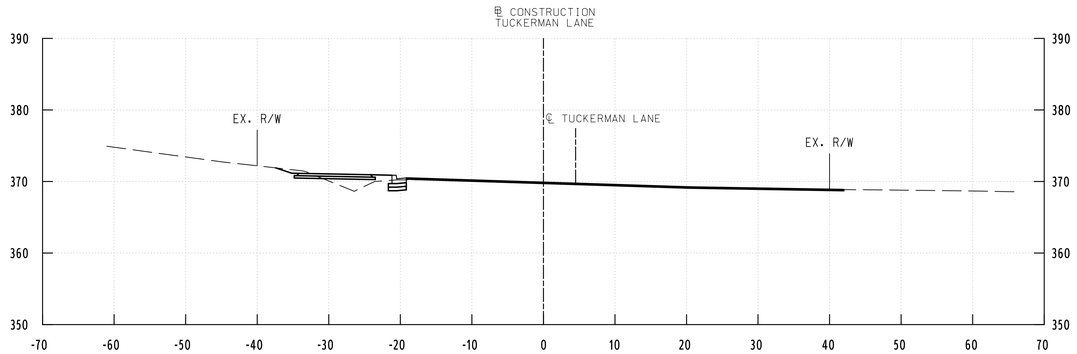
PLAN SHEET CS-23
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 163+00 TO STA. 165+00

SCALE : 1"= 10' 09/2021

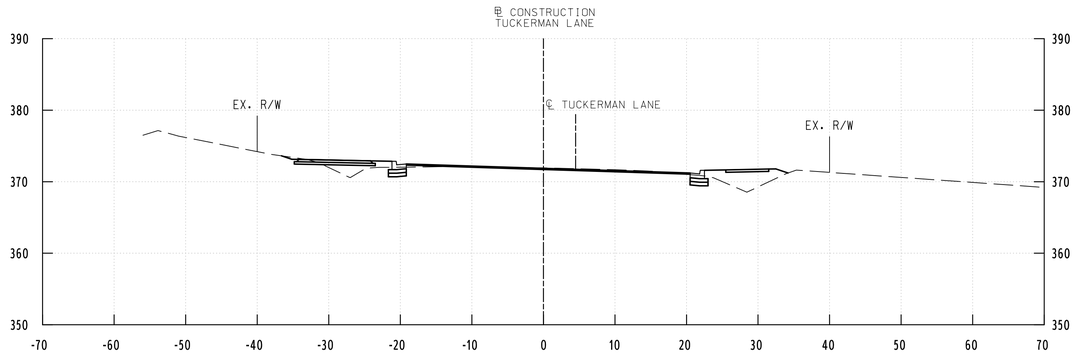
Project No. : C.I.P. PR. # 501744 SHEET 158 of 171



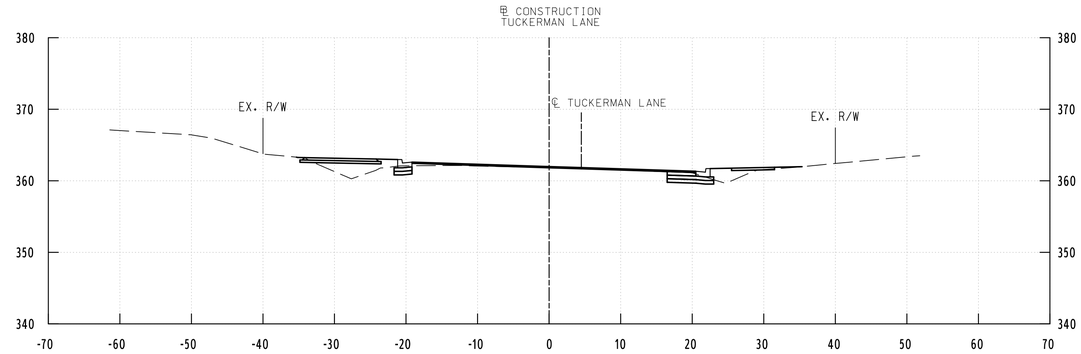
166+50.00



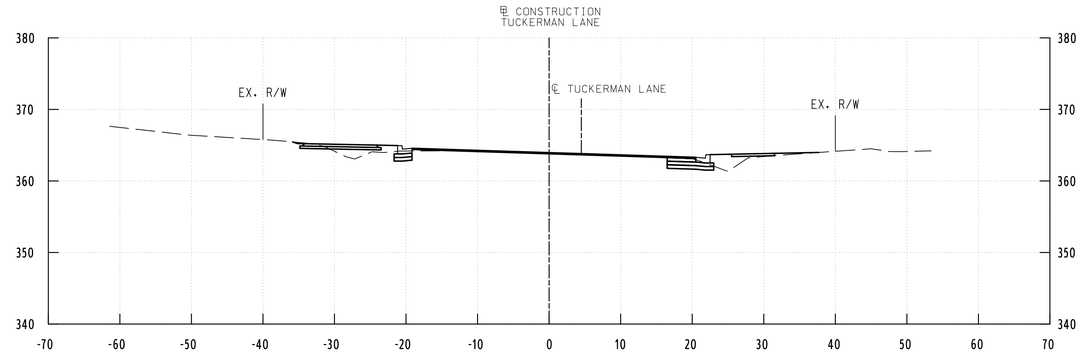
166+00.00



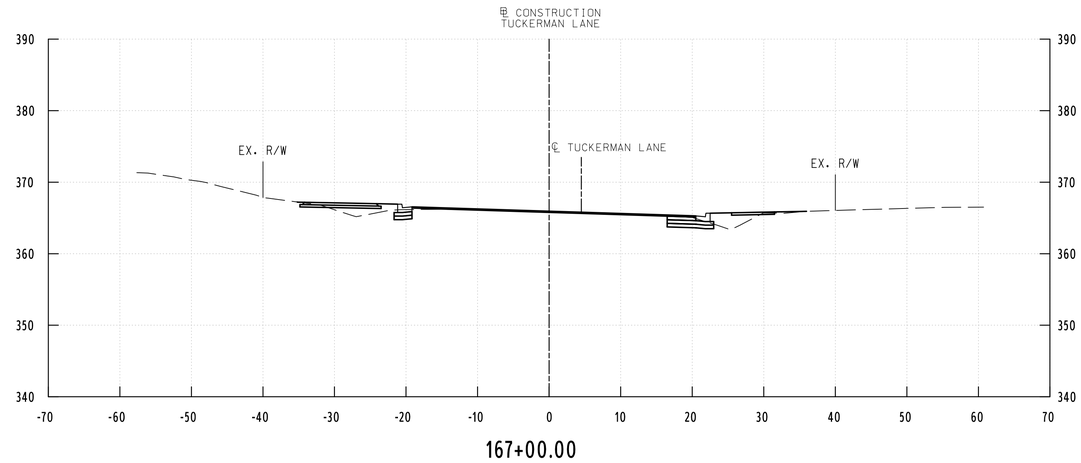
165+50.00



168+00.00



167+50.00



167+00.00

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

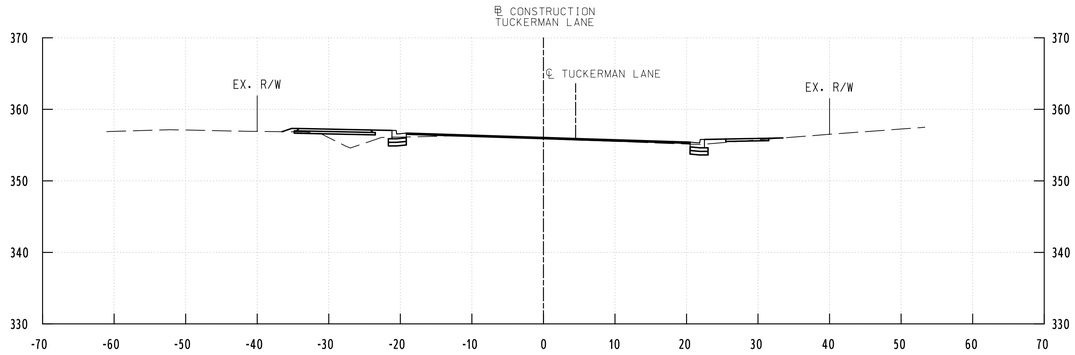
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

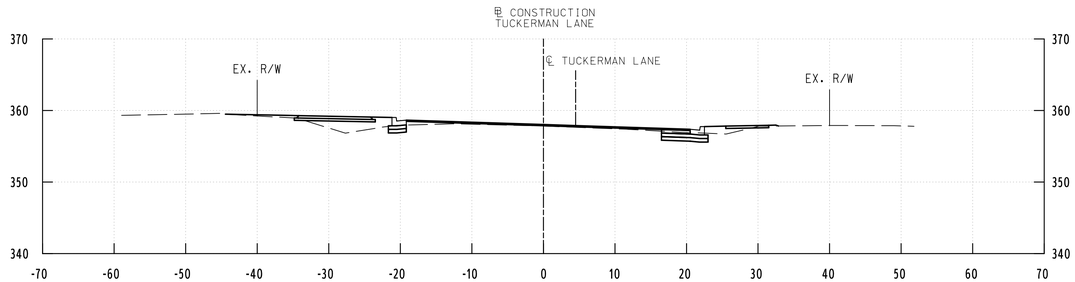
PLAN SHEET CS-24
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 165+50 TO STA. 168+00

SCALE : 1"= 10' 09/2021

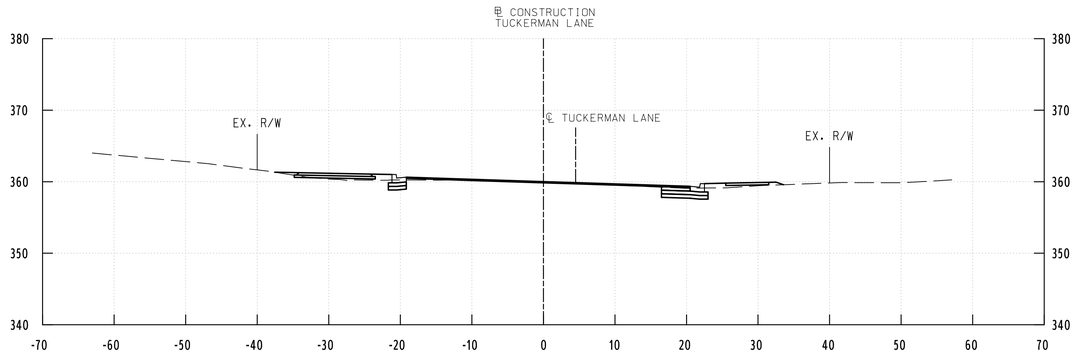
Project No. : C.I.P. PR. # 501744 SHEET 159 of 171



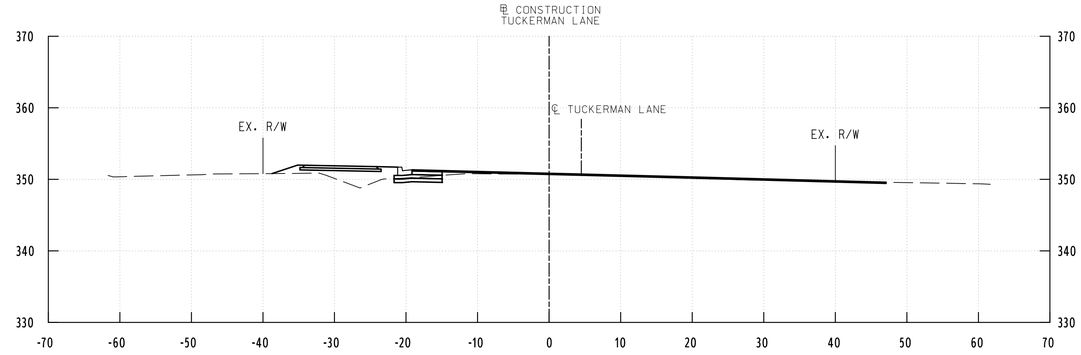
169+50.00



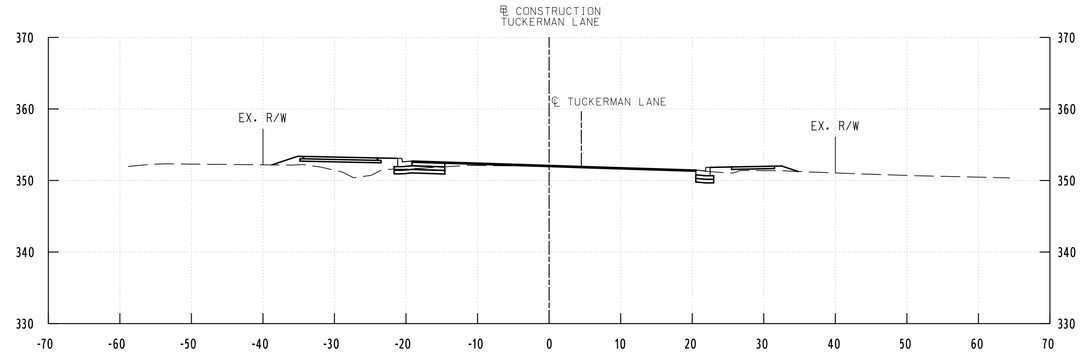
169+00.00



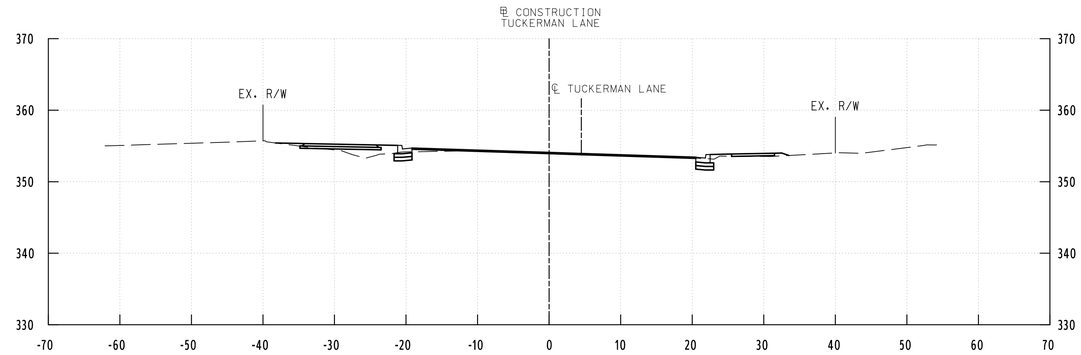
168+50.00



170+81.33



170+50.00



170+00.00

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

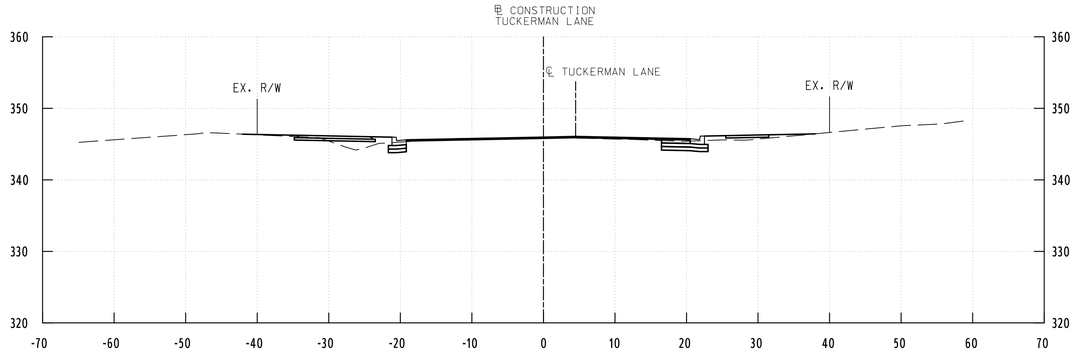
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

PLAN SHEET CS-25
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 168+50 TO STA. 171+81.33

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 160 of 171



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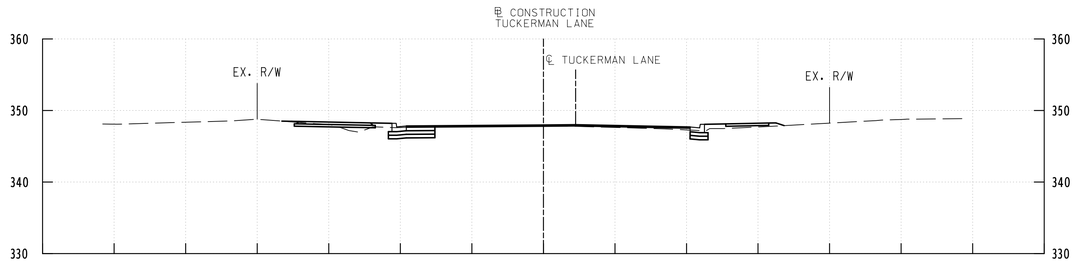
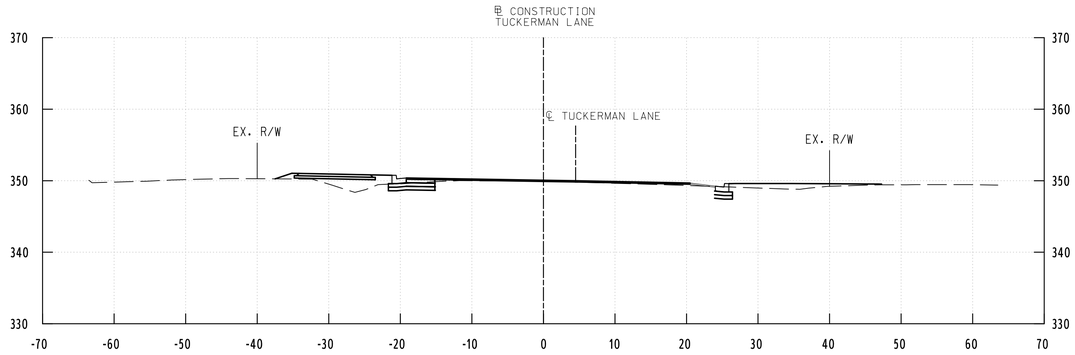
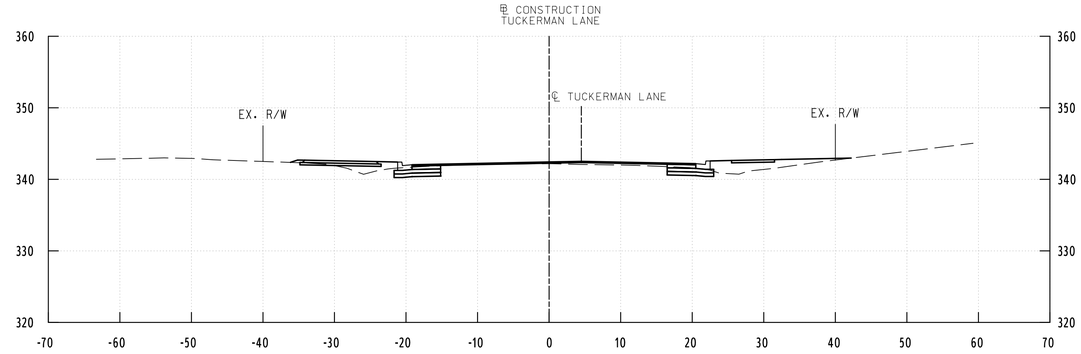


171+50.00



171+00.00



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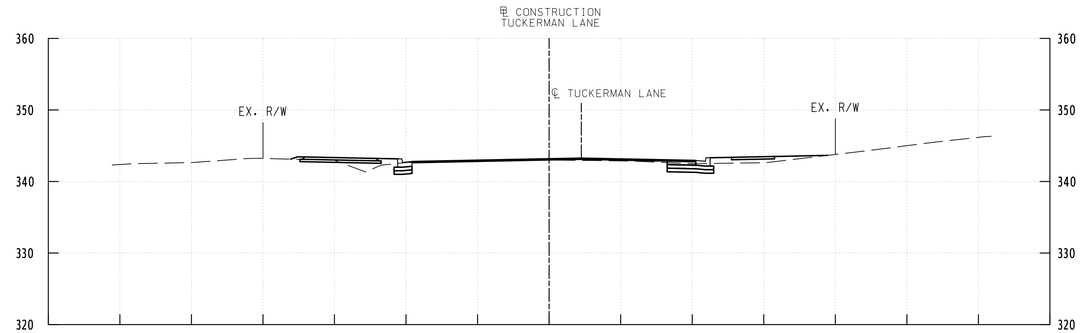

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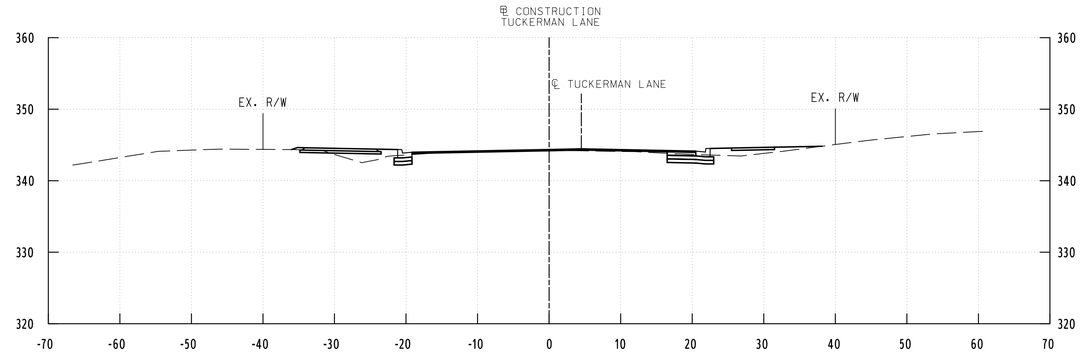

172+50.00

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

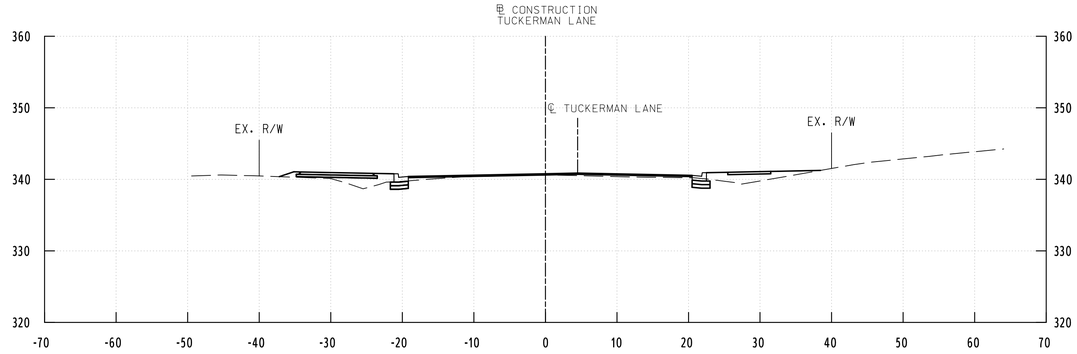
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

PLAN SHEET CS-26
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 171+00 TO STA. 173+50

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 161 of 171



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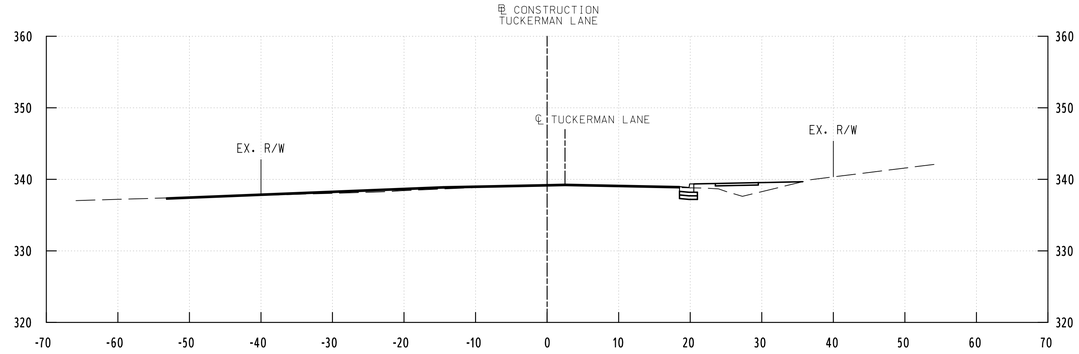
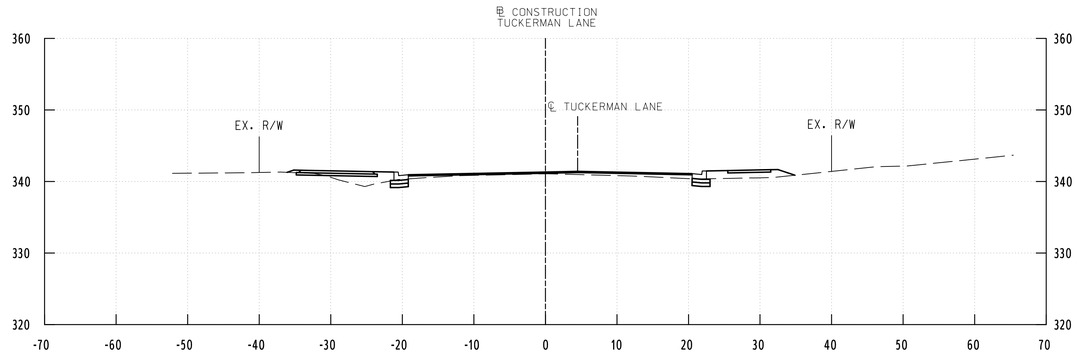
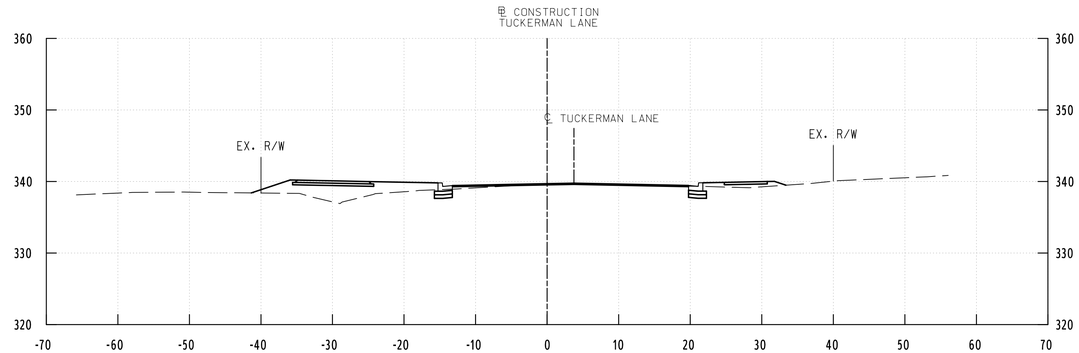


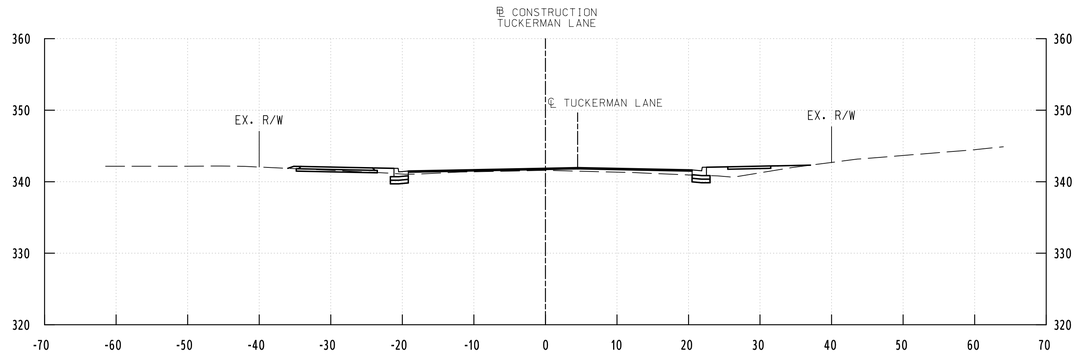
176+42.50



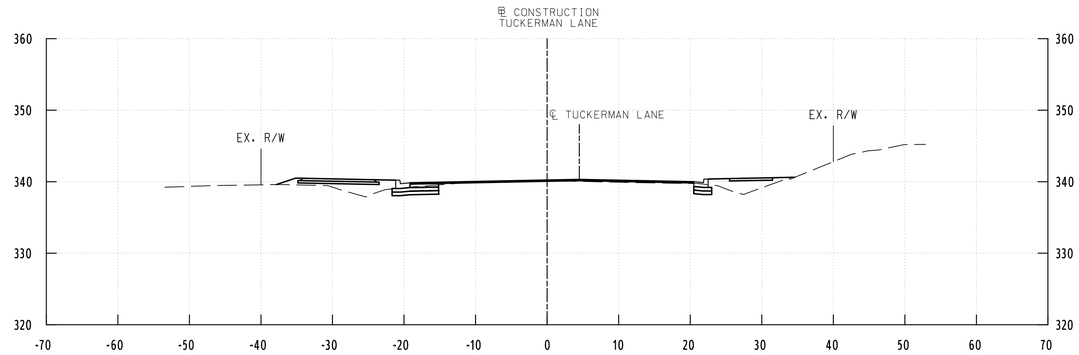
174+50.00



176+00.00



174+00.00



175+50.00

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SEAL
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DATE 9/17/2021

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NAVD 88 VERTICAL

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100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

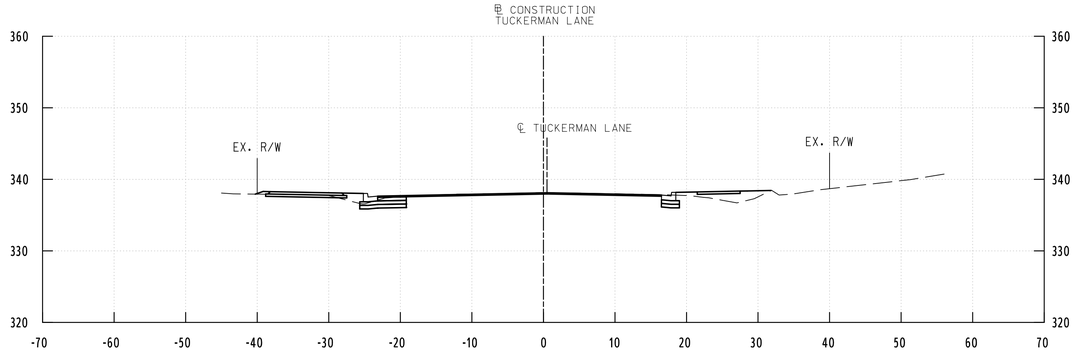
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

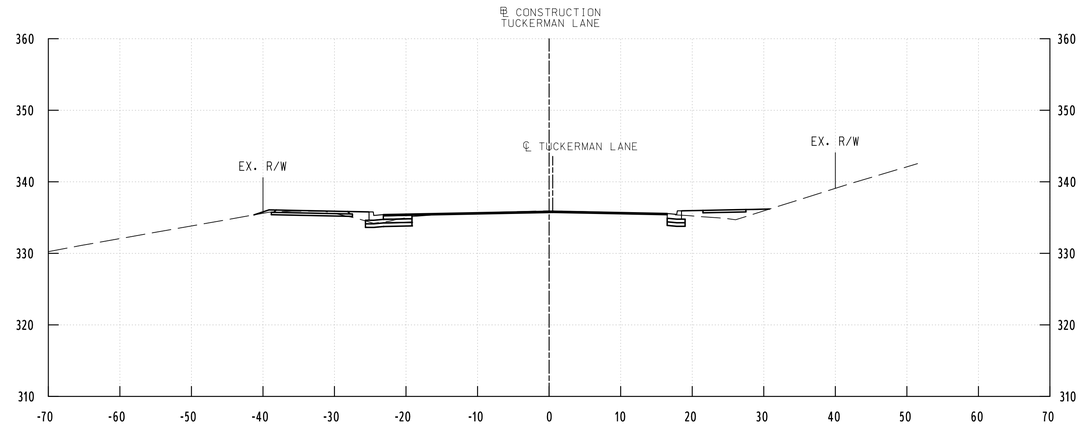
PLAN SHEET CS-27
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 174+00 TO STA. 176+42.50

SCALE : 1"= 10' 09/2021

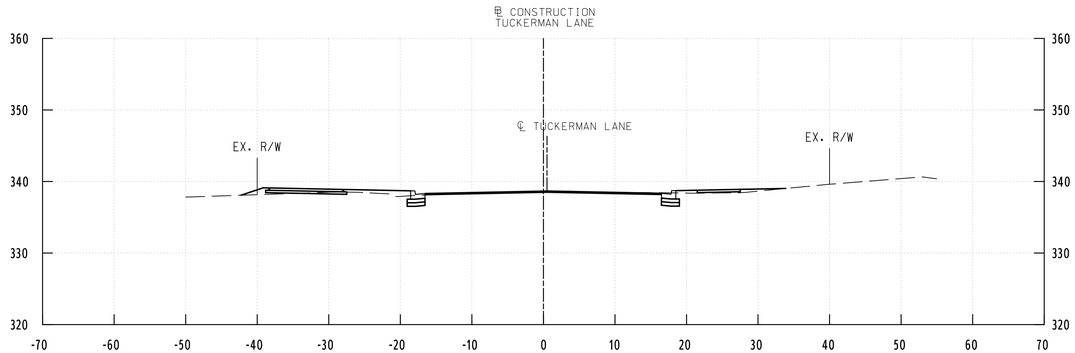
Project No. : C.I.P. PR. # 501744 SHEET 162 of 171



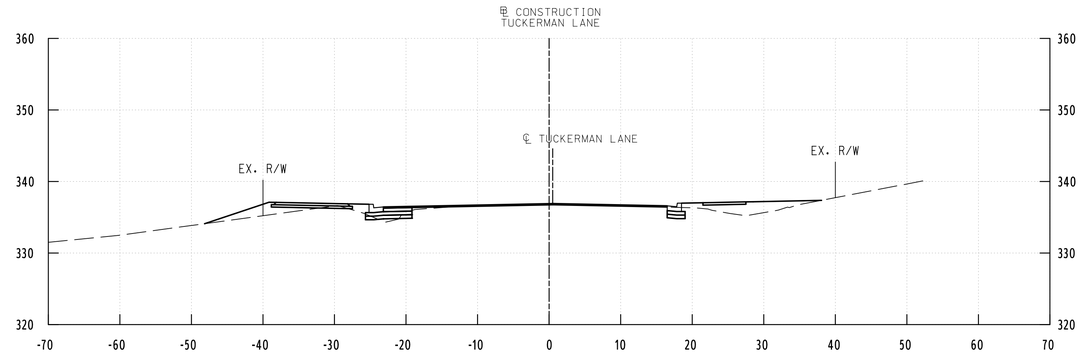
177+50.00



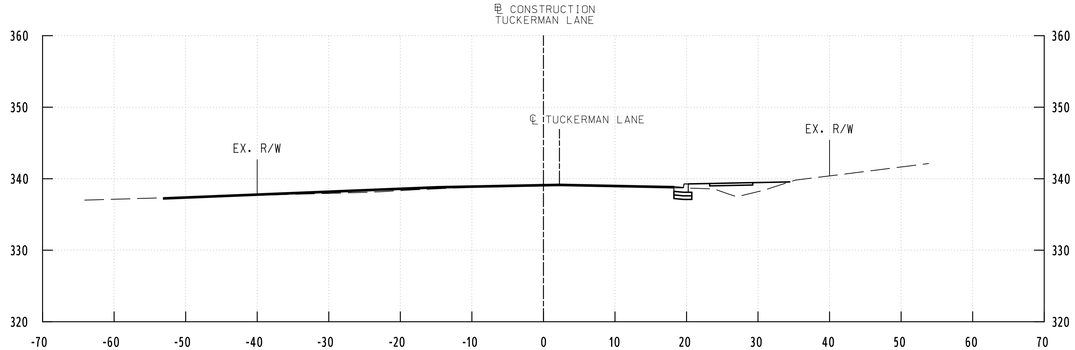
179+00.00



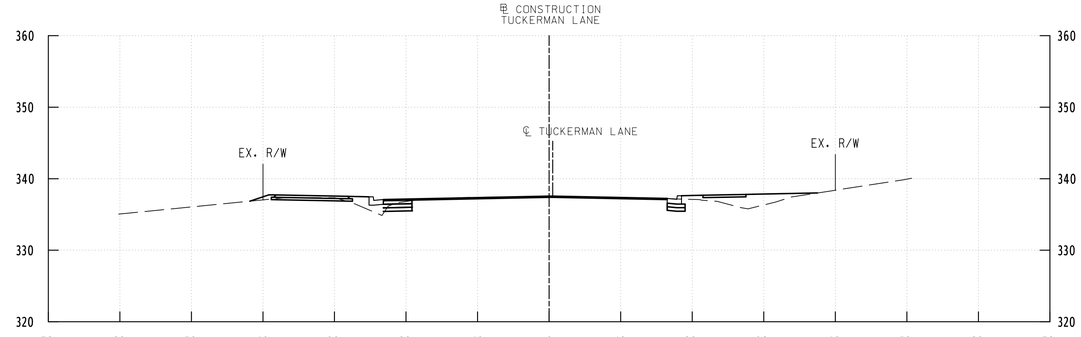
177+00.00



178+50.00



176+50.00



178+00.00

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Chief, Division of Engineering Services Date

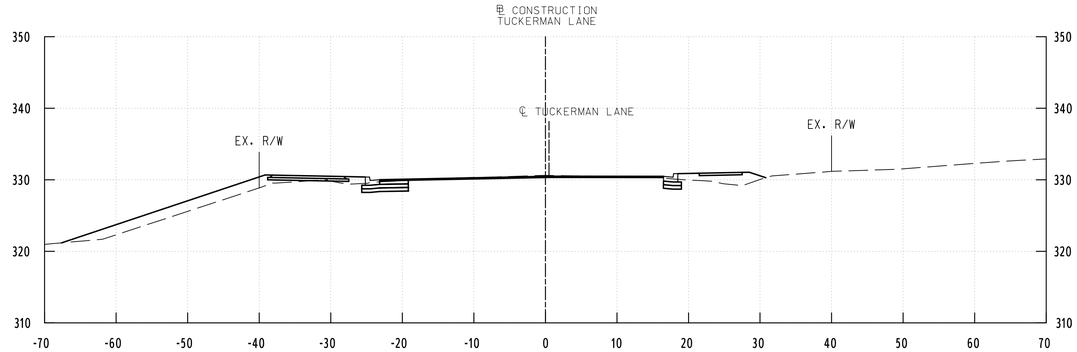
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

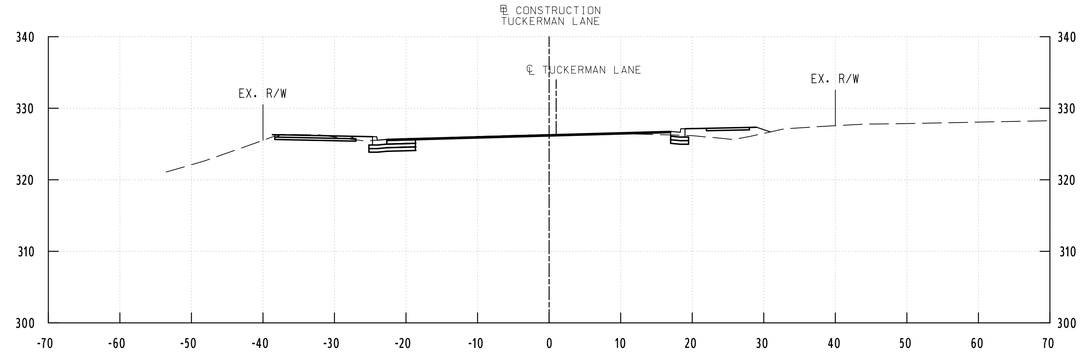
PLAN SHEET CS-28
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 176+50 TO STA. 179+00

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 163 of 171



180+50.00



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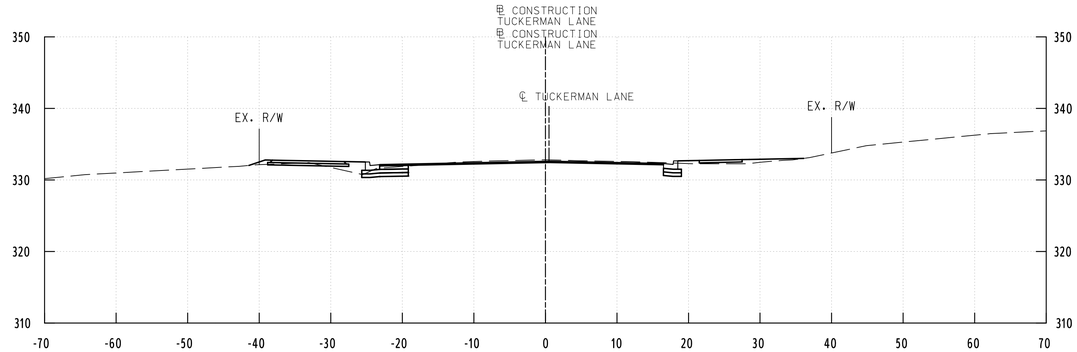

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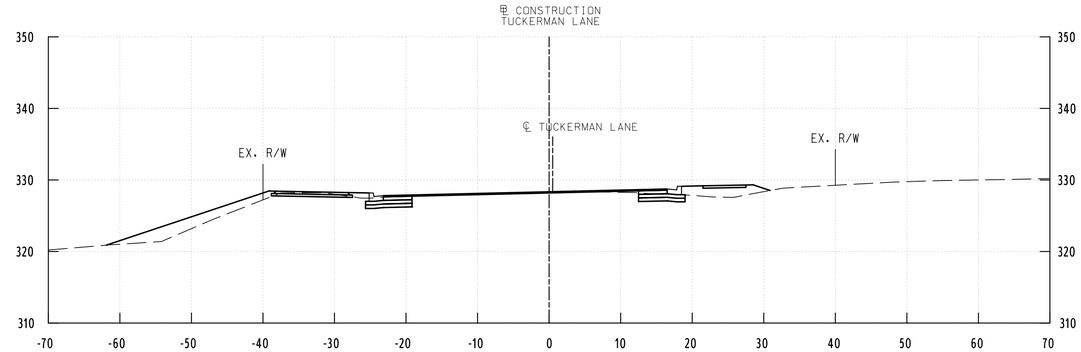
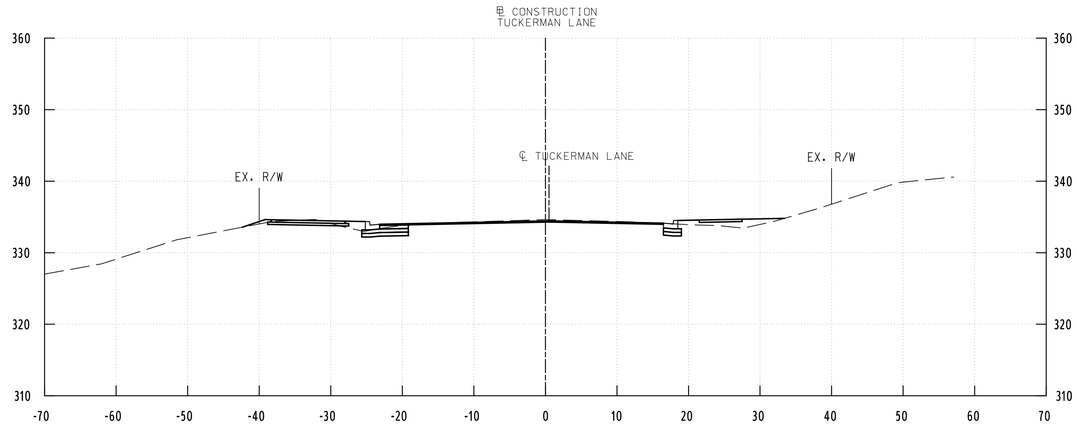
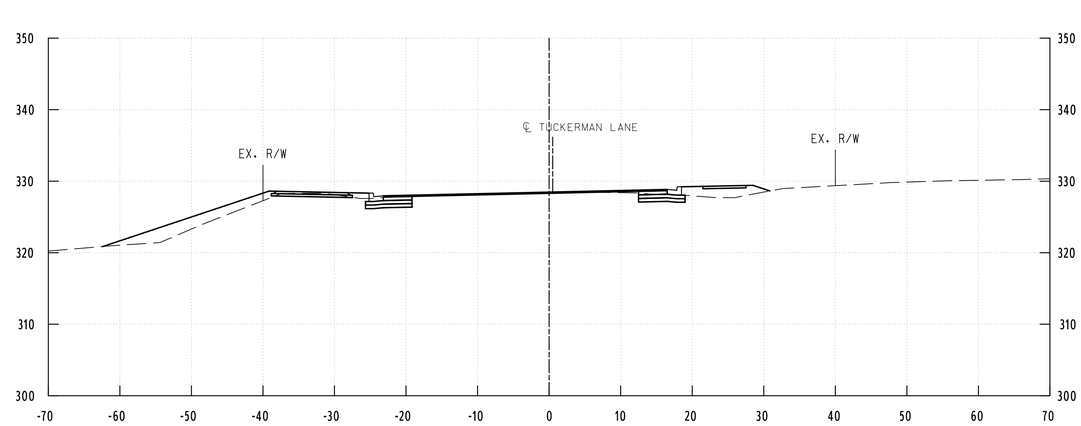


181+00.00



179+50.00



180+97.27

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PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE: 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

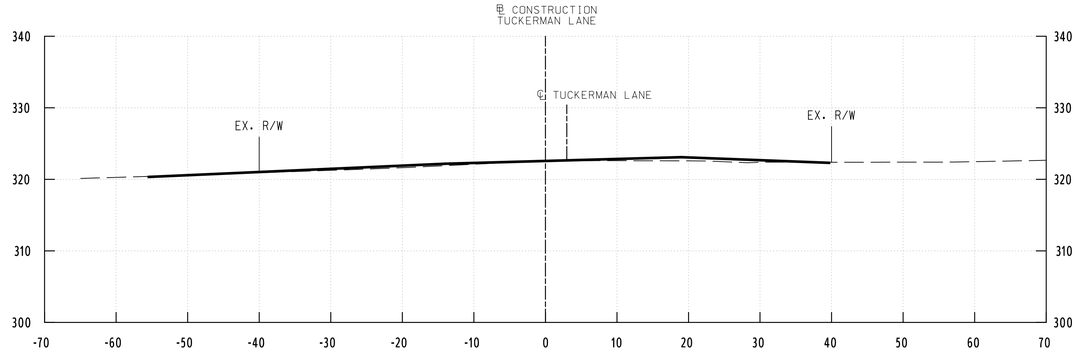
Designed by : Drawn by : Checked by :

PLAN SHEET CS-29
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 179+50 TO STA. 181+50

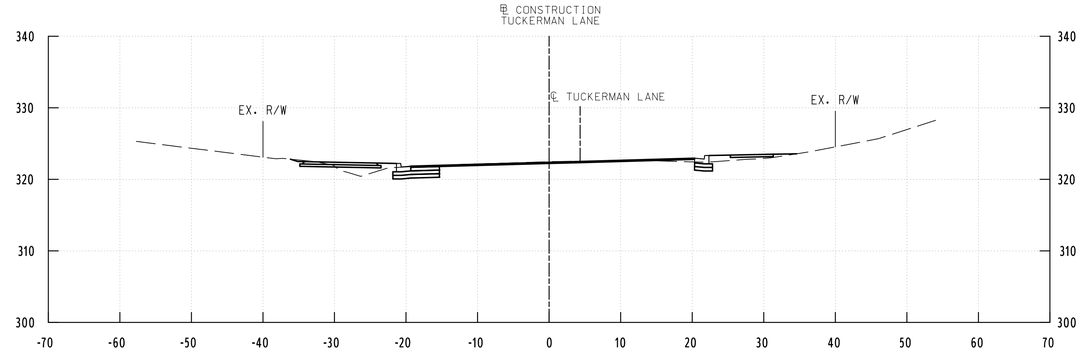
SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 164 of 171

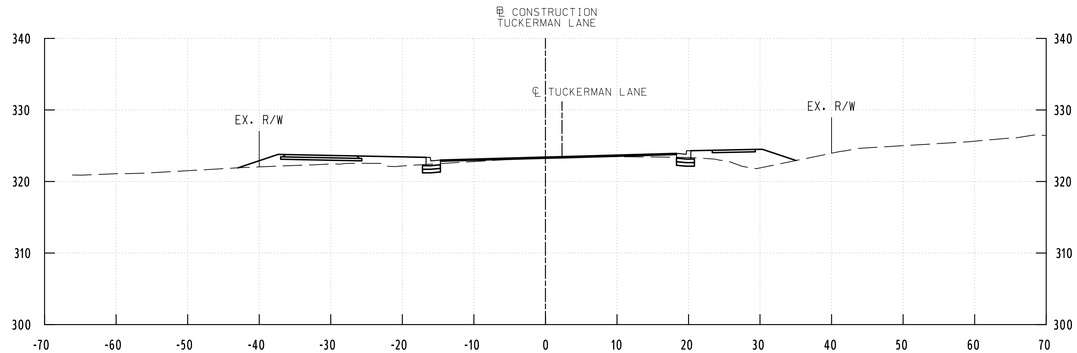
PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn



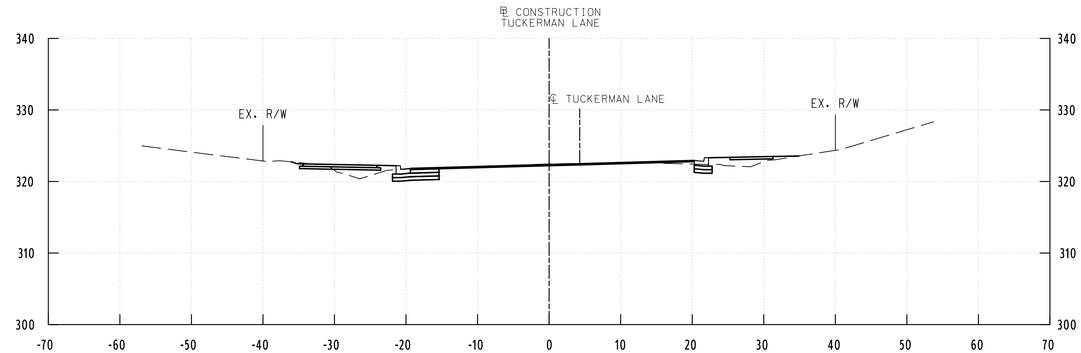
183+00.00



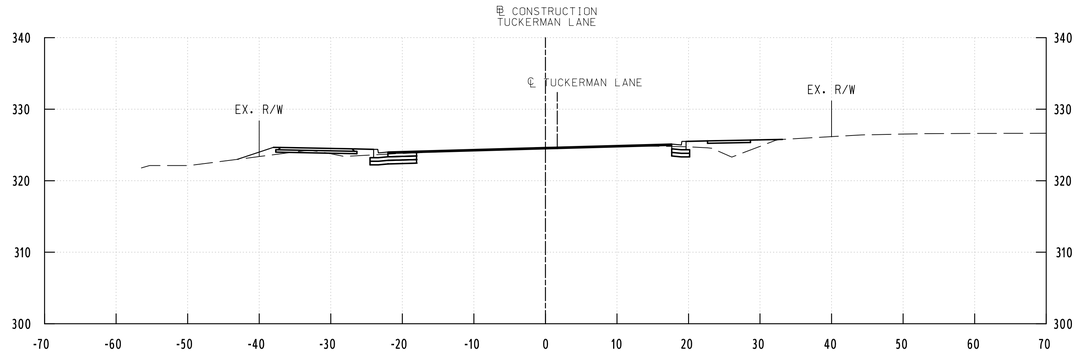
184+00.00



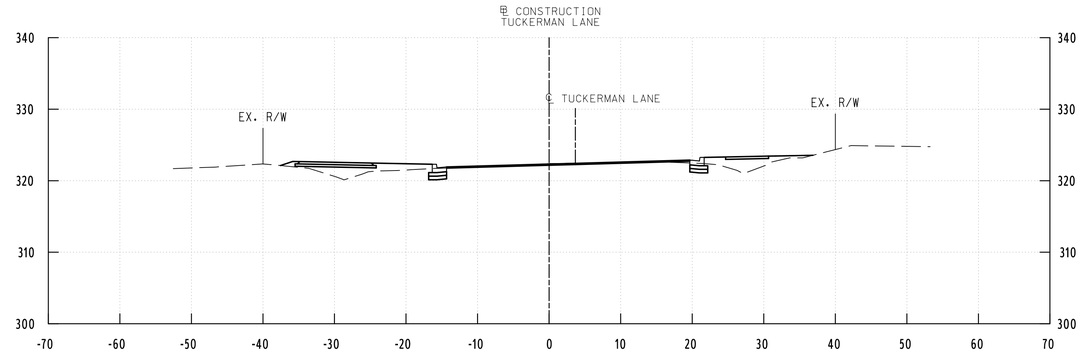
182+50.00



183+96.17



182+00.00



183+50.00

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MARK J. BODMANN MD NO-31487 EXP-03/18/2023

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section — Date

APPROVED

Chief, Division of Engineering Services — Date

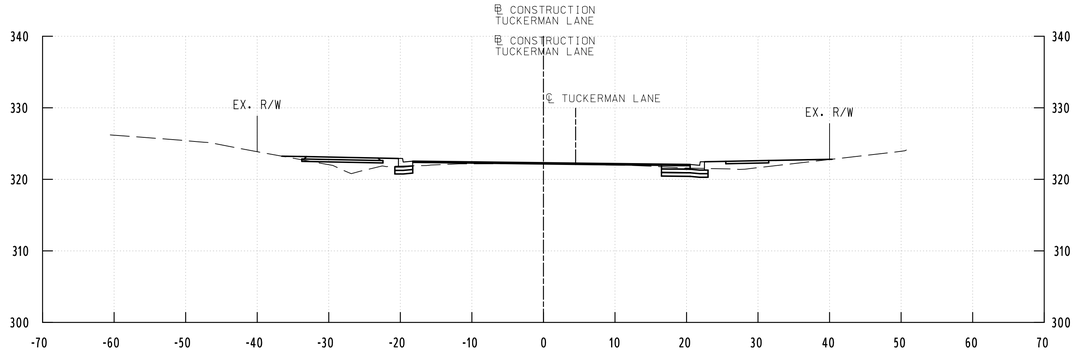
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

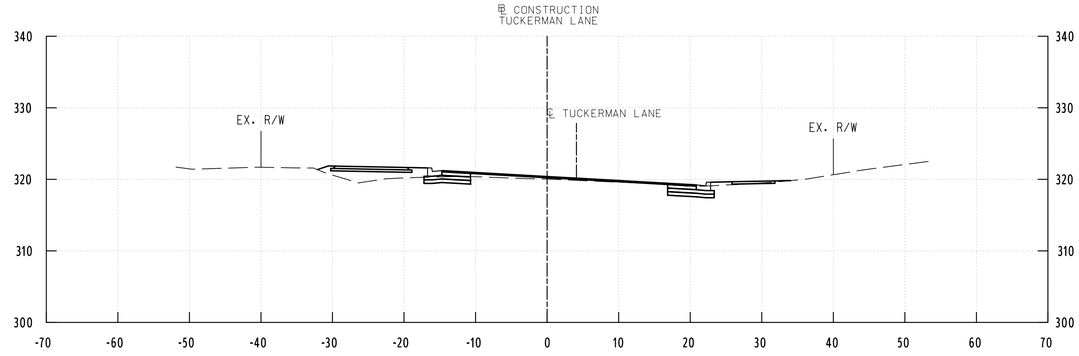
PLAN SHEET CS-30
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 182+00 TO STA. 184+00

SCALE : 1"= 10' 09/2021

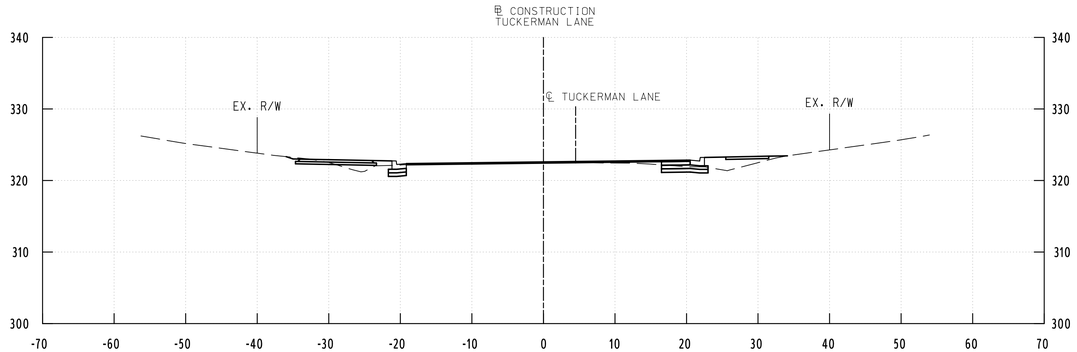
Project No. : C.I.P. PR. # 501744 SHEET 165 of 171



185+50.00



186+50.00



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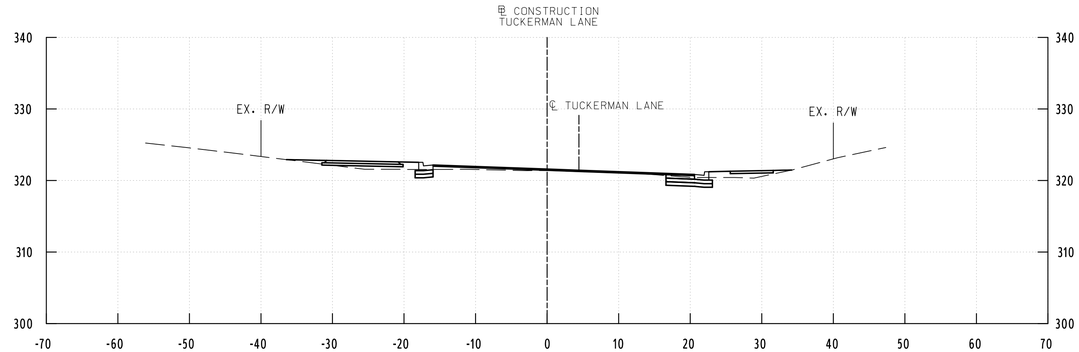
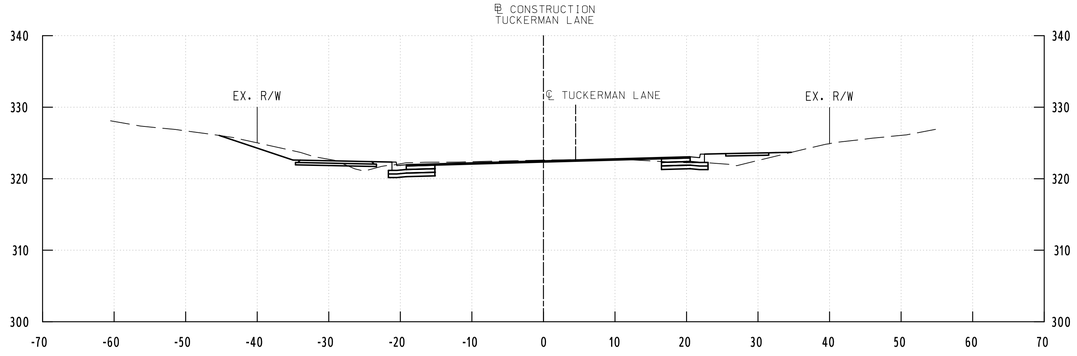
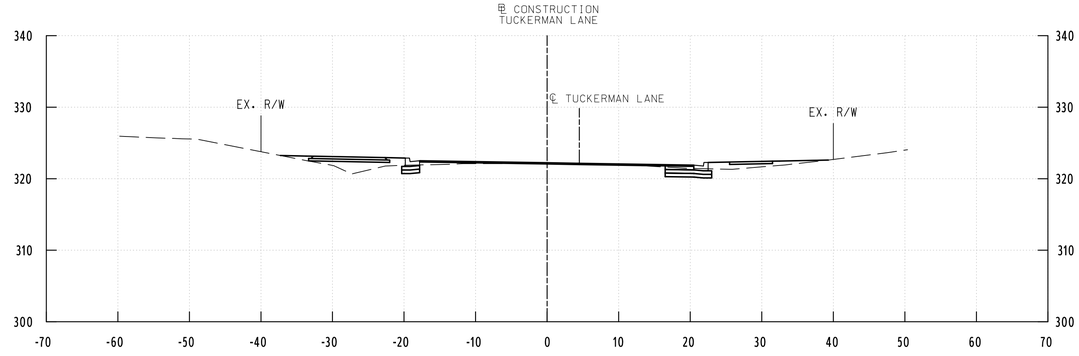


186+00.00



184+50.00



185+58.85

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PROFESSIONAL CERTIFICATION

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

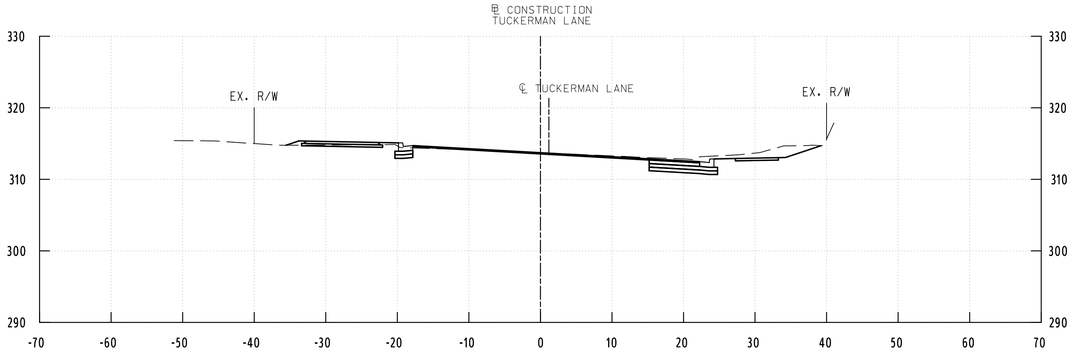
Designed by : Drawn by : Checked by :

PLAN SHEET CS-31
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 184+50 TO STA. 186+50

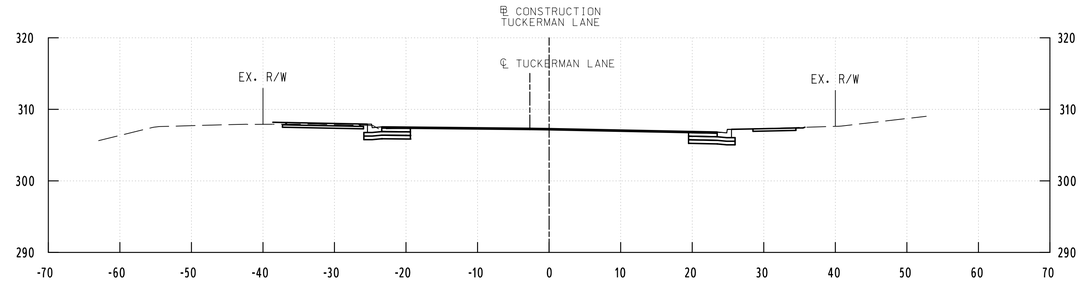
SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 166 of 171

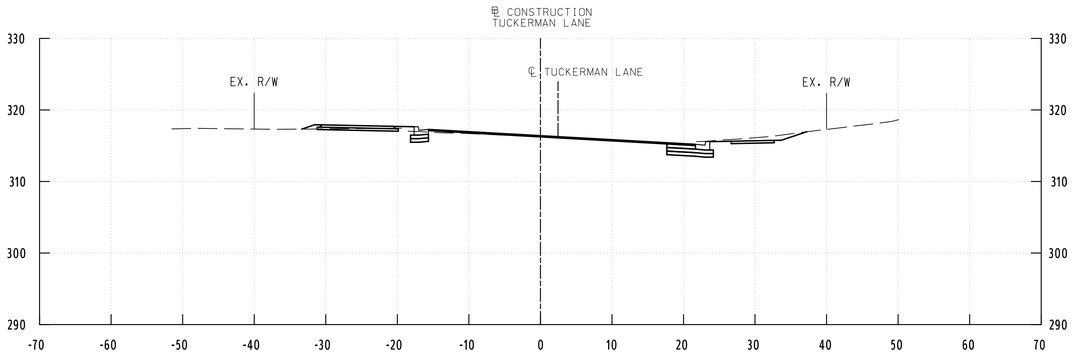
PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn



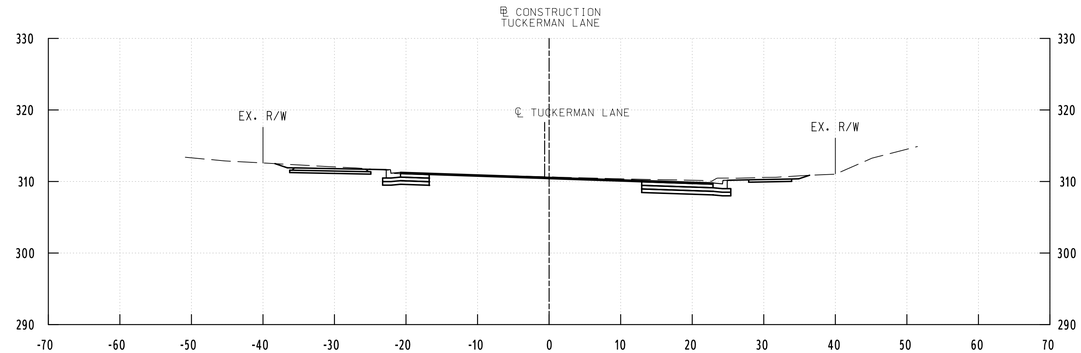
188+00.00



189+00.00



187+50.00



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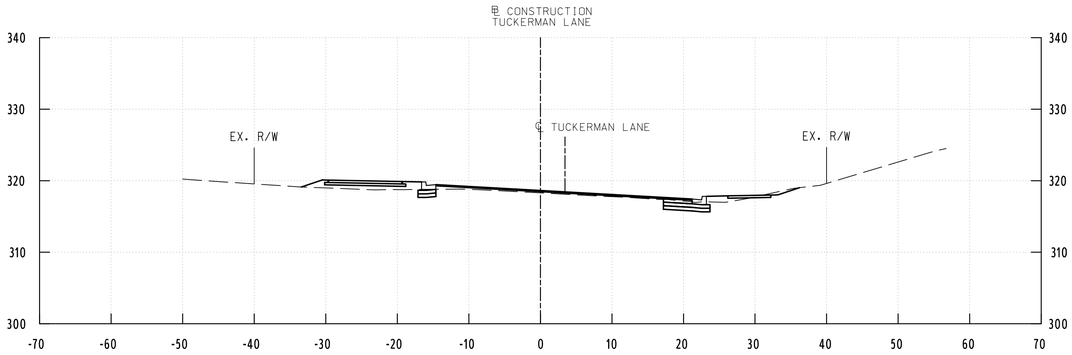

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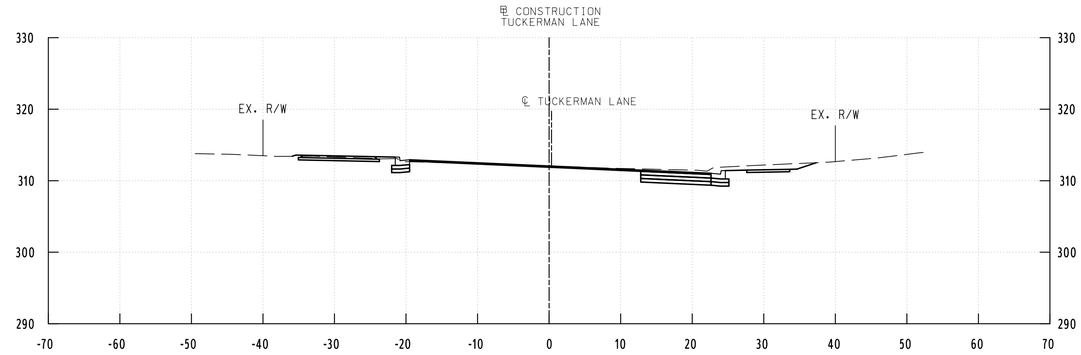

188+27.24

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PROFESSIONAL CERTIFICATION

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER
DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

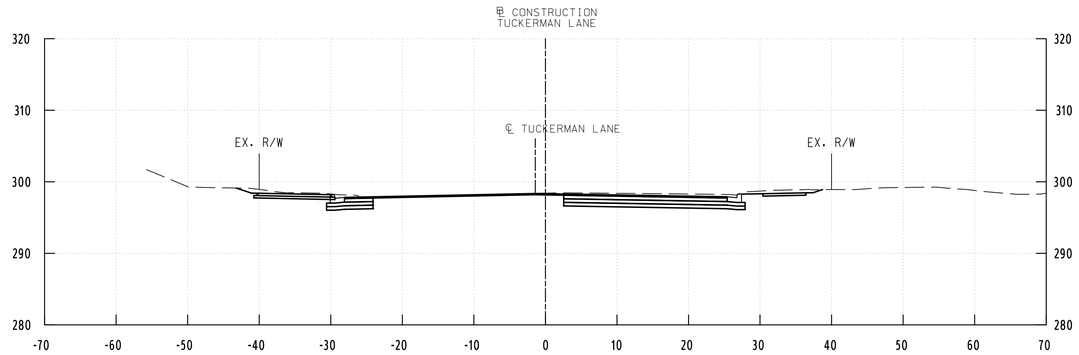
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

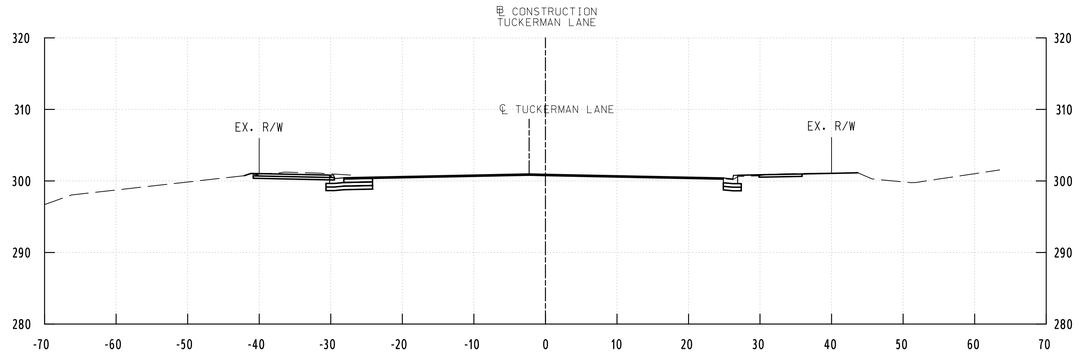
PLAN SHEET CS-32
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 187+00 TO STA. 189+00

SCALE : 1"= 10' 09/2021

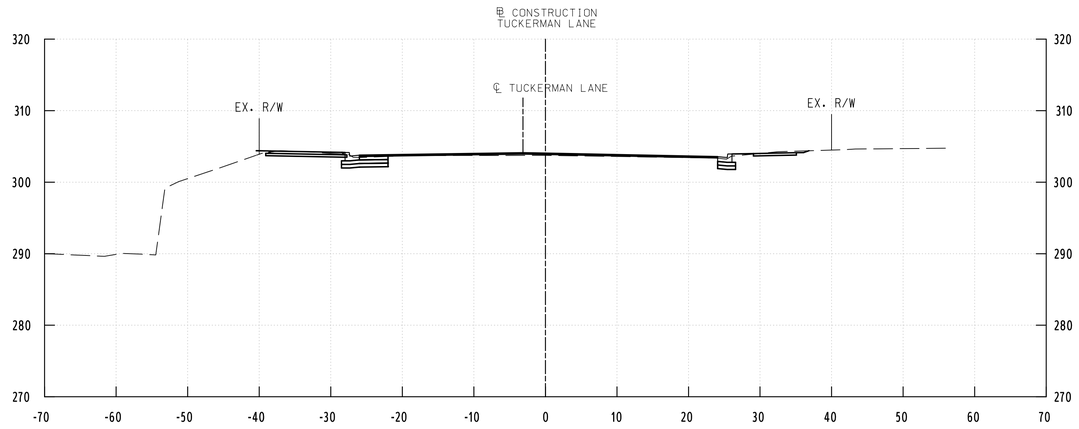
Project No. : C.I.P. PR. # 501744 SHEET 167 of 171



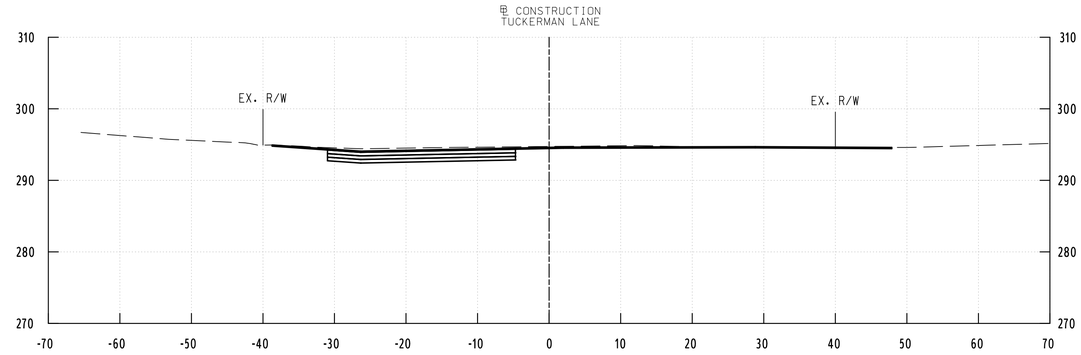
190+50.00



190+00.00



189+50.00



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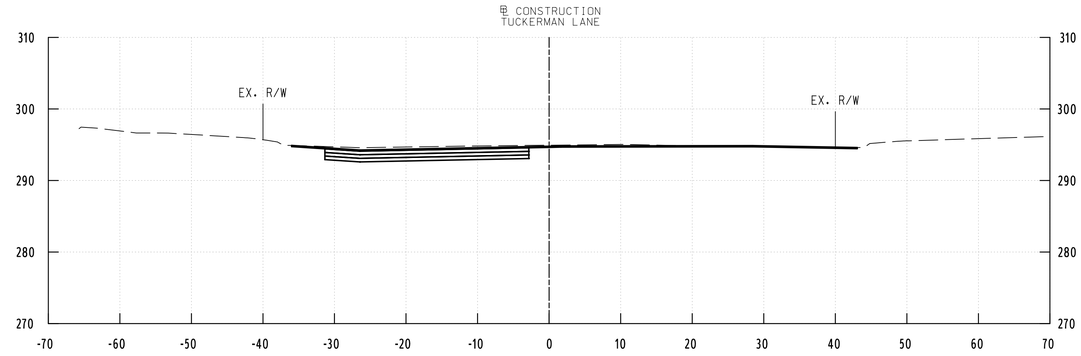
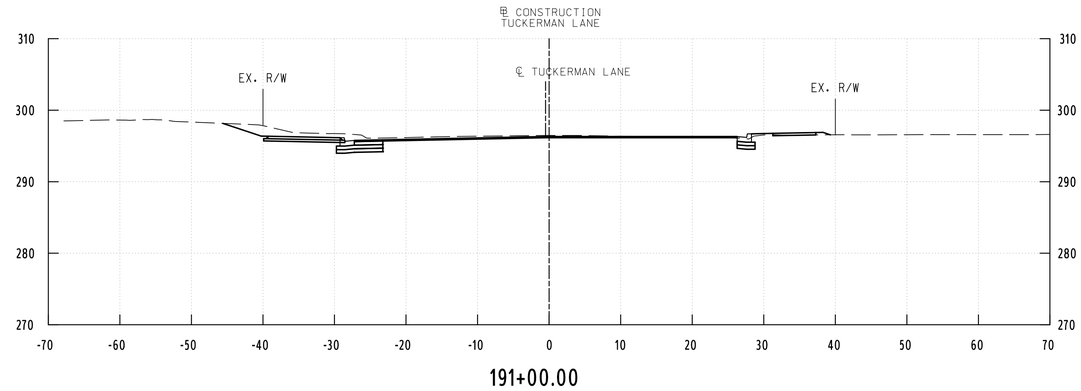


191+50.00



191+00.00

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SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

DATE 9/17/2021

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

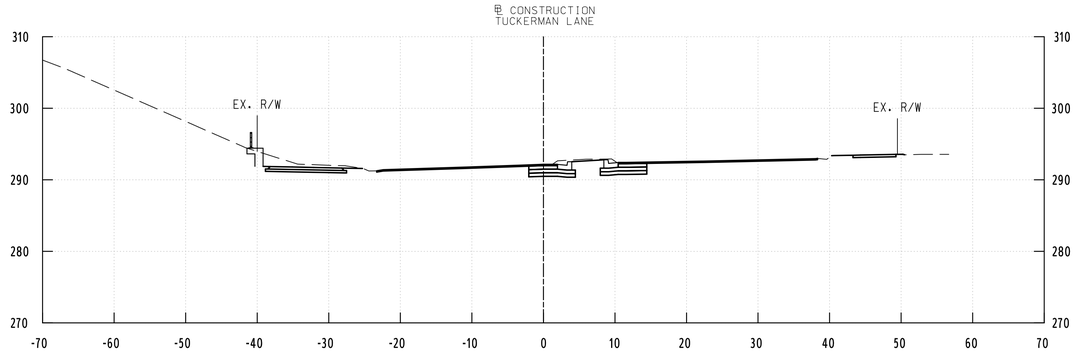
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

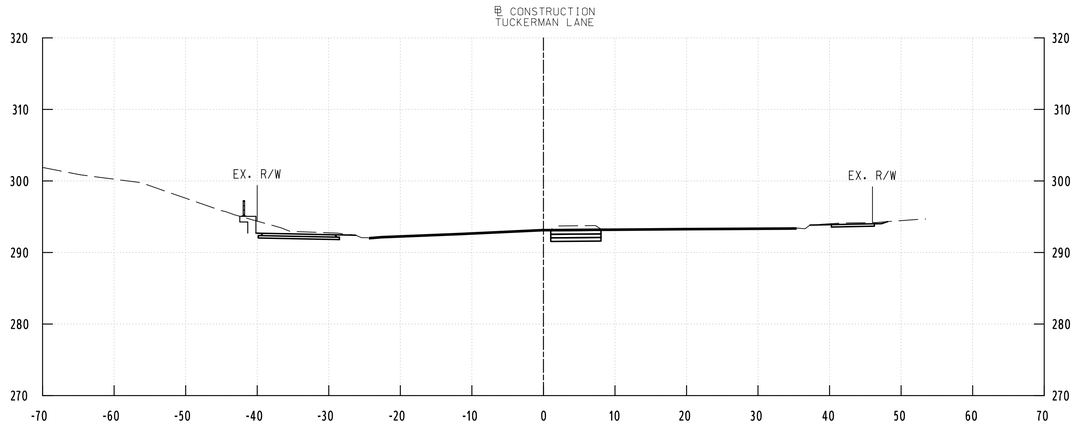
PLAN SHEET CS-33
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 189+50 TO STA. 191+57.75

SCALE : 1"= 10' 09/2021

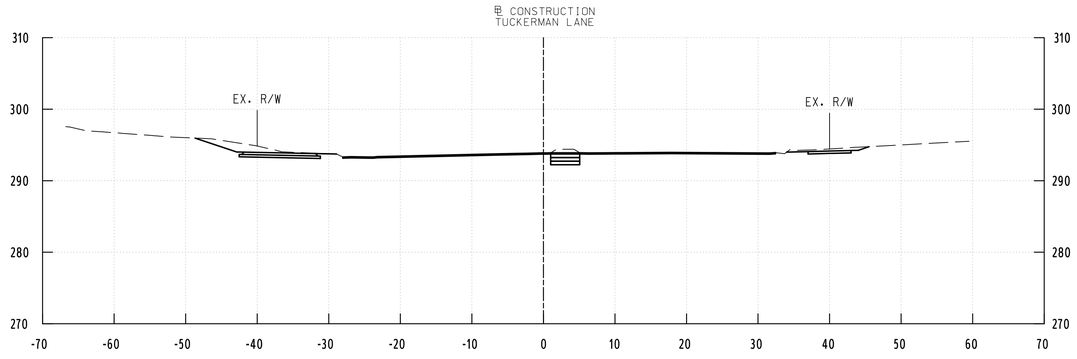
Project No. : C.I.P. PR. # 501744 SHEET 168 of 171



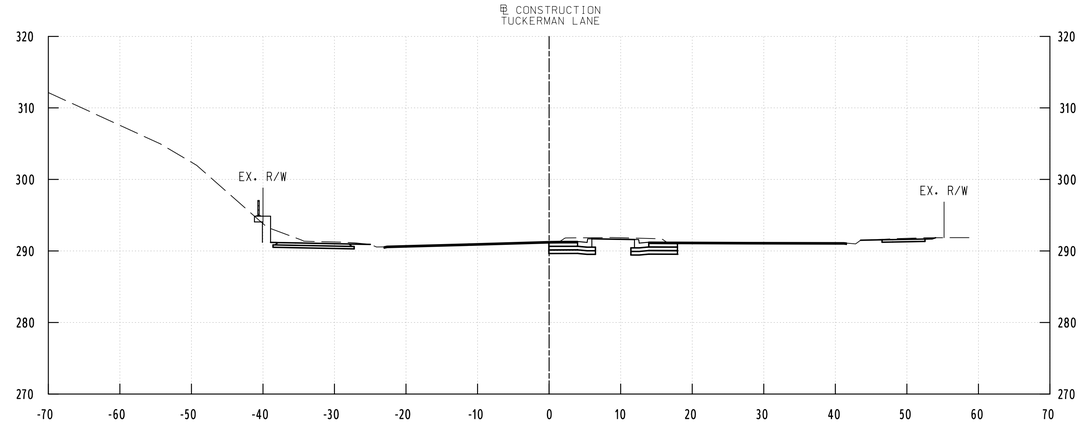
193+00.00



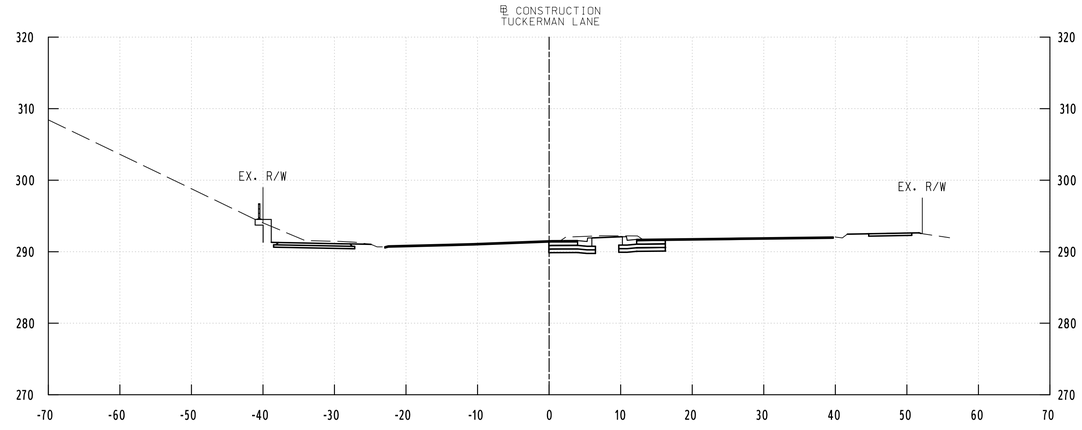
192+50.00



192+00.00



194+00.00



193+50.00

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No. 31487
PROFESSIONAL ENGINEER
DATE 9-17-2021

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NAVD 88 VERTICAL

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MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL

Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

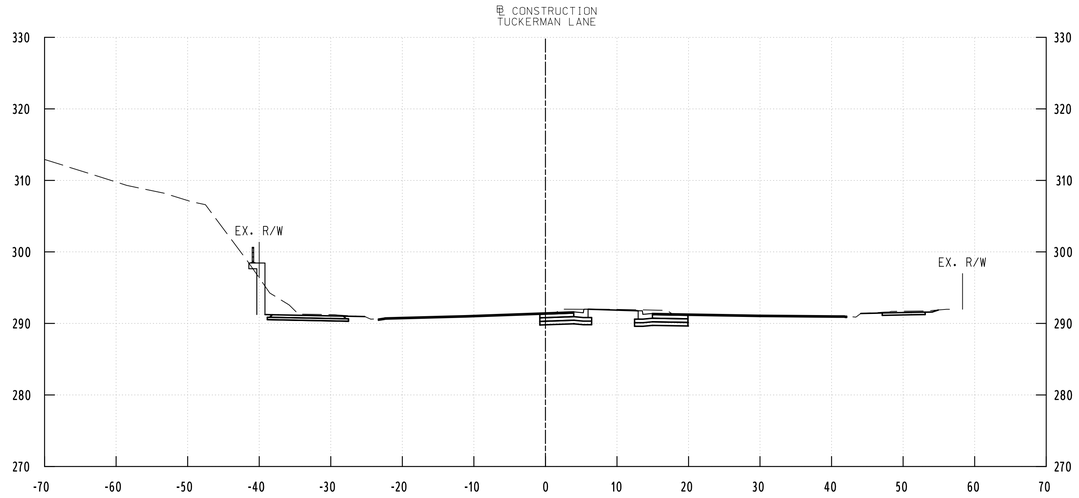
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

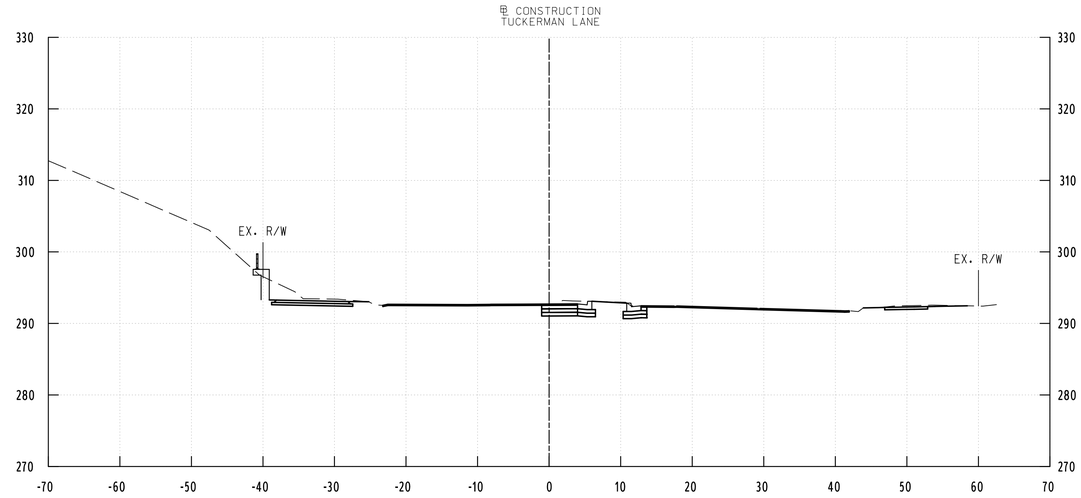
PLAN SHEET CS-34
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 192+00 TO STA. 194+00

SCALE : 1" = 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 169 of 171



194+50.00



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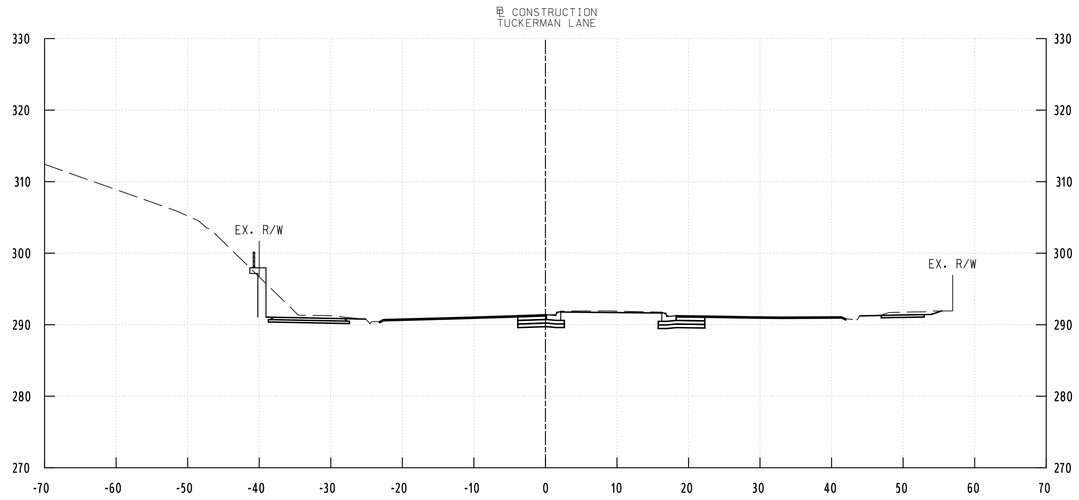

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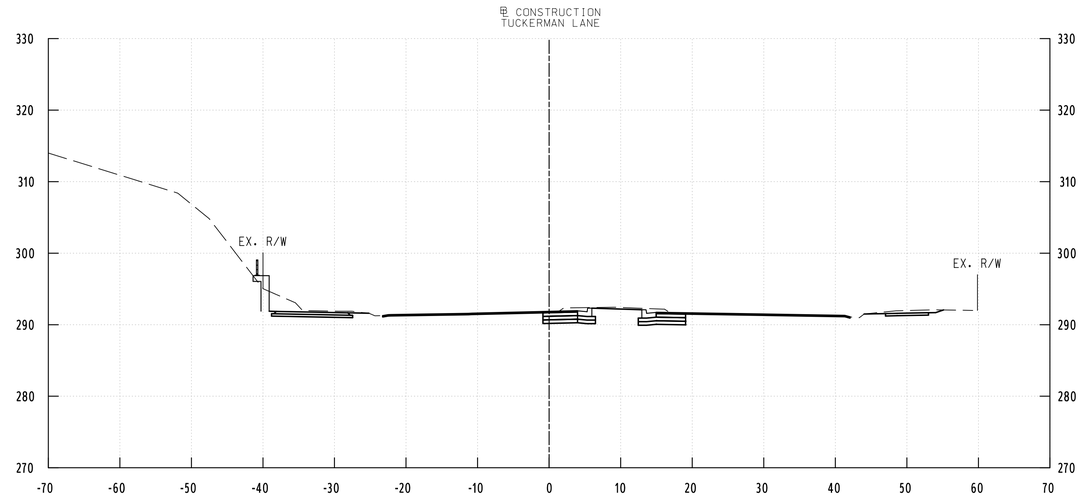

195+00.00

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410.494.9093 Tel / 410.667.0925 Fax
www.WallaceMontgomery.com A Limited Liability Partnership

PROFESSIONAL CERTIFICATION

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.
MARK J. BODMANN MD NO-31487 EXP-03/18/2023
DATE 9/17/2021

SEAL
STATE OF MARYLAND
MARK J. BODMANN
No. 31487
PROFESSIONAL ENGINEER

35% SUBMITTAL

DATUM: NAD 83/91 HORIZONTAL
NAVD 88 VERTICAL

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE, 4TH FLOOR
GAITHERSBURG, MD 20878

RECOMMENDED FOR APPROVAL
Chief, Design Section — Date
APPROVED
Chief, Division of Engineering Services — Date

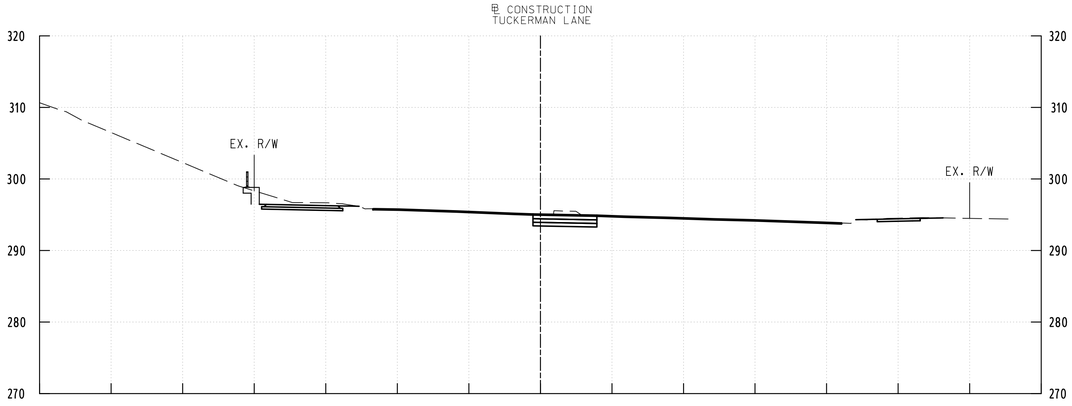
Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

PLAN SHEET CS-35
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 914+25.93 TO STA. 195+50

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 170 of 171



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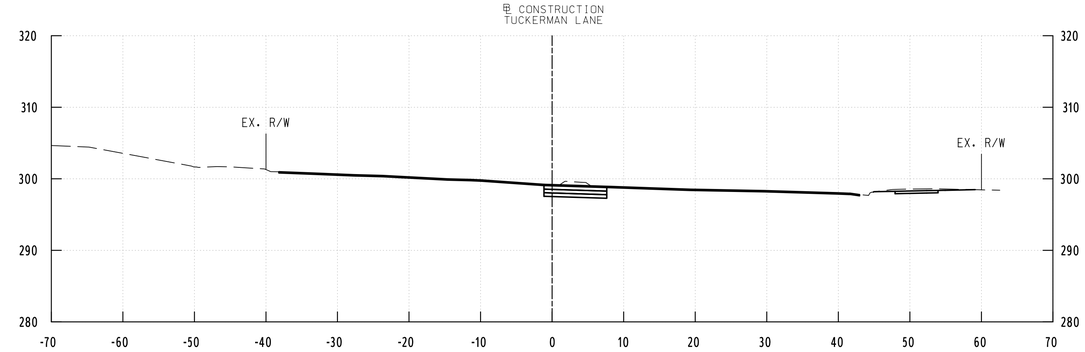
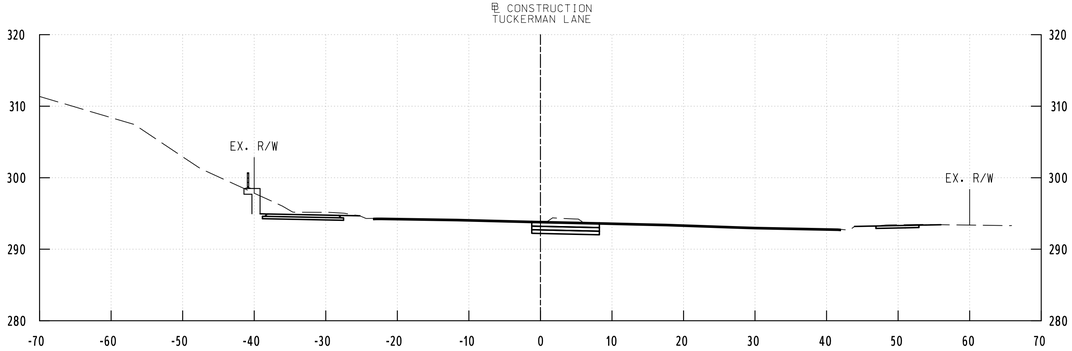


197+50.00



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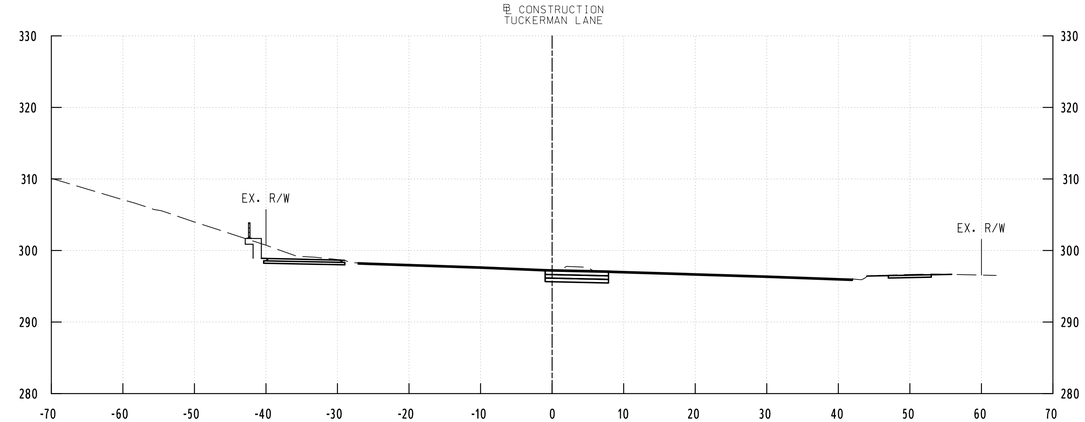
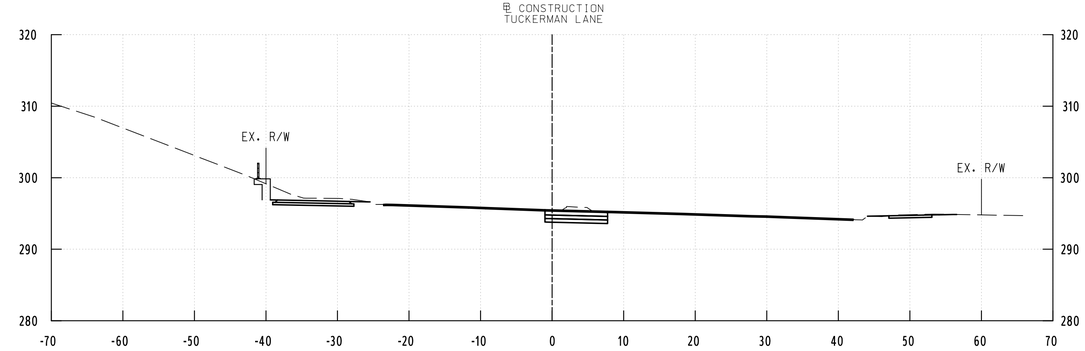


197+00.00



196+50.00

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Chief, Design Section Date

APPROVED

Chief, Division of Engineering Services Date

Designed by : Drawn by : Checked by :

PLOTTED: 9/17/2021
FILE: M:\PROJ\220015.0001\Highways_Cadd_\pHC-X001_Tuckerman.dgn

PLAN SHEET CS-36
ROADWAY CROSS SECTIONS
TUCKERMAN LANE
SIDEWALK/BIKEWAY
STA. 196+00 TO STA. 197+50

SCALE : 1"= 10' 09/2021

Project No. : C.I.P. PR. # 501744 SHEET 171 of 171