

SHEET INDEX

SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
2	PLAN AND PROFILE OF RIDGELY'S RUN ROAD FROM CL STA 0+00 TO 11+00
3	PLAN AND PROFILE OF RIDGELY'S RUN ROAD FROM CL STA 11+00 TO 24+00
4	PLAN AND PROFILE OF RIDGELY'S RUN ROAD FROM CL STA 24+00 TO 33+90.78
5	PLAN AND PROFILE OF MISSION ROAD
6	ROADWAY DETAIL SHEET, STREET TREE PLANTING DETAIL, NOTES, SPECIFICATIONS & SCHEDULE
7	MISSION ROAD - ROAD SECTIONS
8	SOILS AND STORM DRAINAGE AREA MAP
9	STORM DRAIN PROFILES
10	STORM DRAIN PROFILES
11	STORM DRAIN PROFILES
12	CONTOUR AND STORM DRAIN PROFILES
13	STORM DRAIN DETAILS AND STRUCTURE SCHEDULE
14	LANDSCAPE PLAN
15	STOPPING SIGHT DISTANCE ALONG CENTERLINE (MISSION ROAD PLAN AND PROFILE)
16	STOPPING SIGHT DISTANCE FOR CAR ENTERING ROADWAY (MISSION ROAD PLAN AND PROFILE)
17	STOPPING SIGHT DISTANCE RIDGELY'S RUN ROAD STA 12+35
18	STOPPING SIGHT DISTANCE RIDGELY'S RUN ROAD STA 19+55
19	STOPPING SIGHT DISTANCE RIDGELY'S RUN ROAD STA 23+30
20	STOPPING SIGHT DISTANCE RIDGELY'S RUN ROAD STA 27+96
21	PAVEMENT MARKING, SIGNAGE AND STREET LIGHTING PLAN
22	PAVEMENT MARKING, SIGNAGE AND STREET LIGHTING PLAN
23	HANDICAP ACCESS DETAIL PLAN
24	MISSION ROAD - ROAD SECTIONS
25	MISSION ROAD - ROAD SECTIONS

STREET LIGHTS

ROAD NAME	CENTERLINE STA.	OFFSET	DESCRIPTION
MISSION ROAD	24+95	25' L	LED-250/12" ARM
RIDGELY'S RUN ROAD	0+67	28' L	LED-250/12" ARM
RIDGELY'S RUN ROAD	2+19	22' L	LED-250/12" ARM
RIDGELY'S RUN ROAD	3+54	22' L	LED-250/12" ARM
RIDGELY'S RUN ROAD	4+93	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	6+35	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	7+41	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	8+73	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	9+44	22' L	LED-250/12" ARM
RIDGELY'S RUN ROAD	11+13	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	12+00	22' L	LED-250/12" ARM
RIDGELY'S RUN ROAD	12+63	38' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	13+26	22' L	LED-250/12" ARM
RIDGELY'S RUN ROAD	14+14	22' L	LED-250/12" ARM
RIDGELY'S RUN ROAD	14+44	22' L	LED-250/12" ARM
RIDGELY'S RUN ROAD	15+75	22' L	LED-250/12" ARM
RIDGELY'S RUN ROAD	16+49	22' L	LED-250/12" ARM
RIDGELY'S RUN ROAD	18+14	22' L	LED-250/12" ARM
RIDGELY'S RUN ROAD	18+95	23' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	20+22	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	21+53	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	22+79	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	23+66	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	24+03	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	26+23	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	27+44	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	28+49	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	29+69	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	30+99	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	32+11	22' R	LED-250/12" ARM
RIDGELY'S RUN ROAD	33+39	22' R	LED-250/12" ARM

TRAFFIC CONTROL SIGNS

ROAD NAME	CENTERLINE STA.	OFFSET	POSTED SIGN	SIGN CODE	SIZE
RIDGELY'S RUN ROAD	0+26	34'	STOP	R1-1	30" x 30"
RIDGELY'S RUN ROAD	1+43	19'	SPEED LIMIT 45	R2-1	24" x 30"
RIDGELY'S RUN ROAD	2+00	25' L	RIGHT LANE MUST TURN RIGHT	R3-7R	30" x 30"
RIDGELY'S RUN ROAD	2+72	22' R	PEDESTRIAN TRAFFIC SYMBOL-AHEAD (FYG)	W11-2/W16-9p	30" x 30" / 24" x 12"
RIDGELY'S RUN ROAD	3+00	22' L	STOP AHEAD SYMBOL	W1-1	30" x 30"
RIDGELY'S RUN ROAD	4+93	22' L	PEDESTRIAN TRAFFIC SYMBOL/ARROW (FYG) (2 SETS)	W11-2/W16-7p	30" x 30" / 24" x 12"
RIDGELY'S RUN ROAD	6+35	22' R	PEDESTRIAN TRAFFIC SYMBOL/ARROW (FYG) (2 SETS)	W11-2/W16-7p	30" x 30" / 24" x 12"
RIDGELY'S RUN ROAD	6+35	22' L	STUDENTS CROSSING SYMBOL-SCHOOL (FYG)	S1-1/S4-3	36" x 36" / 24" x 36"
RIDGELY'S RUN ROAD	6+35	22' L	END SCHOOL ZONE	S5-2	24" x 30"
RIDGELY'S RUN ROAD	7+41	22' R	SCHOOL PHOTO ENFORCED SPEED/SPEED LIMIT 25	S5-1(I)/R2-1	24" x 48" / 24" x 30"
RIDGELY'S RUN ROAD	8+01	22' L	PEDESTRIAN TRAFFIC SYMBOL-AHEAD (FYG)	W11-2/W16-9p	30" x 30" / 24" x 12"
RIDGELY'S RUN ROAD	8+01	22' R	SOLAR POWERED SCHOOL FLASHER	S1-1	30" x 36"
RIDGELY'S RUN ROAD	9+44	22' R	STUDENTS CROSSING SYMBOL-AHEAD (FYG)	S1-1/S4-3(2)	36" x 36" / 24" x 10"
RIDGELY'S RUN ROAD	10+50	22' L	SPEED LIMIT 45	R2-1	24" x 30"
RIDGELY'S RUN ROAD	11+05	23' R	STUDENTS CROSSING SYMBOL/ARROW (FYG) (2 SETS)	S1-1/W16-7p	36" x 36" / 24" x 12"
RIDGELY'S RUN ROAD	12+00	22' L	STUDENTS CROSSING SYMBOL/ARROW (FYG) (2 SETS)	S1-1/W16-7p	36" x 36" / 24" x 12"
RIDGELY'S RUN ROAD	12+63	38' R	STOP	R1-1	30" x 30"
RIDGELY'S RUN ROAD	14+14	22' L	STUDENTS CROSSING SYMBOL-AHEAD (FYG)	S1-1/S4-3(2)	36" x 36" / 24" x 10"
RIDGELY'S RUN ROAD	15+75	22' L	STOP	R1-1	30" x 30"
RIDGELY'S RUN ROAD	15+75	22' R	STOP	R1-1	30" x 30"
RIDGELY'S RUN ROAD	19+74	22' L	STOP	R1-1	30" x 30"
RIDGELY'S RUN ROAD	19+74	22' R	STOP	R1-1	30" x 30"
MISSION ROAD	21+08	12' R	PEDESTRIAN TRAFFIC SYMBOL-AHEAD (FYG)	W11-2/W16-9p	30" x 30" / 24" x 12"
MISSION ROAD	23+49	25' L & 34' R	PEDESTRIAN TRAFFIC SYMBOL/ARROW (FYG) (2 SETS)	W11-2/W16-7p	30" x 30" / 24" x 12"
MISSION ROAD	27+06	33' L	PEDESTRIAN TRAFFIC SYMBOL-AHEAD (FYG)	W11-2/W16-9p	30" x 30" / 24" x 12"

STORMWATER MANAGEMENT PRACTICES

Facility No.	Treatment Type	MDE Nomenclature	Drainage Area (sf)	% Impervious (%)	ESDv Required (cf)	WQv* (cf)	ESDv Provided (cf)
1a	Micro Bio-Retention	M-6	17,620	69.7	746	995	< Exist. Q _{ret}
1b	Micro Bio-Retention	M-6	20,900	73.1	924	1,232	"
1c	Micro Bio-Retention	M-6	16,400	71.3	709	946	"
2a	Micro Bio-Retention	M-6	25,615	72.5	1,124	1,130	"
2b	Micro Bio-Retention	M-6	33,068	64.9	1,311	1,294	"
2c	Micro Bio-Retention	M-6	40,532	72.2	1,772	1,960	"
2d	Micro Bio-Retention	M-6	17,512	67.2	717	958	"
3	Micro Bio-Retention	M-6	29,705	78.9	1,411	1,644	"
4a	Micro Bio-Retention	M-6	29,240	69.5	1,235	1,384	"
4b	Micro Bio-Retention	M-6	28,916	70.3	1,234	1,454	"
5	Micro Bio-Retention	M-6	23,536	77.6	367	922	"
6	Micro Bio-Retention	M-6	60,684	75.2	919	1,878	"
7	Artificial Turf (Infiltration)	-	161,946	36.5	3,831	5,109	"
8	Bio-Retention	F-6	53,183	60.7	1,982	2,206	"
9	Bio-Retention	F-6	112,489	69.3	4,736	6,295	"
10	Rainwater Harvesting	M-1	153,815	100.0	9,133	12,177	"
11	Micro Bio-Retention	M-6	23,423	57.6	832	1,110	"
12	Sub. Gravel Wetlands	M-2	587,239	33.3	12,828	7,697	> Exist. Q _{ret}
13	Bio-Retention	F-6	185,593	17.2	2,372	3,163	< Exist. Q _{ret}
TOTAL					28,480*	43,724*	

*Based on MDE's allowable volume reduction factors.
 *All facilities drain to Study Point #1 except BMP #12 which drains to SP #2.
 *Based on LOD-based calculations using % impervious and soils; See SWM Report.
 *Sum of Ret storage in "plantable" BMPs, BMP #7 (track), and the RW (BMP #10); See SWM Report for detailed documentation.

NOTE:
 SEDIMENT CONTROL MEASURES FOR THE CONSTRUCTION OF RIDGELY'S RUN ROAD WILL BE SHOWN ON THE SITE DEVELOPMENT PLAN S0P-19-066.

THE SEDIMENT AND EROSION CONTROL PLANS FOR THESE IMPROVEMENTS SHALL BE APPROVED PRIOR TO APPROVAL OF THESE FINAL ROAD CONSTRUCTION PLANS SINCE THE SEDIMENT AND EROSION CONTROL IS INTEGRATED INTO THE S0P-19-066. *GP-20-096*

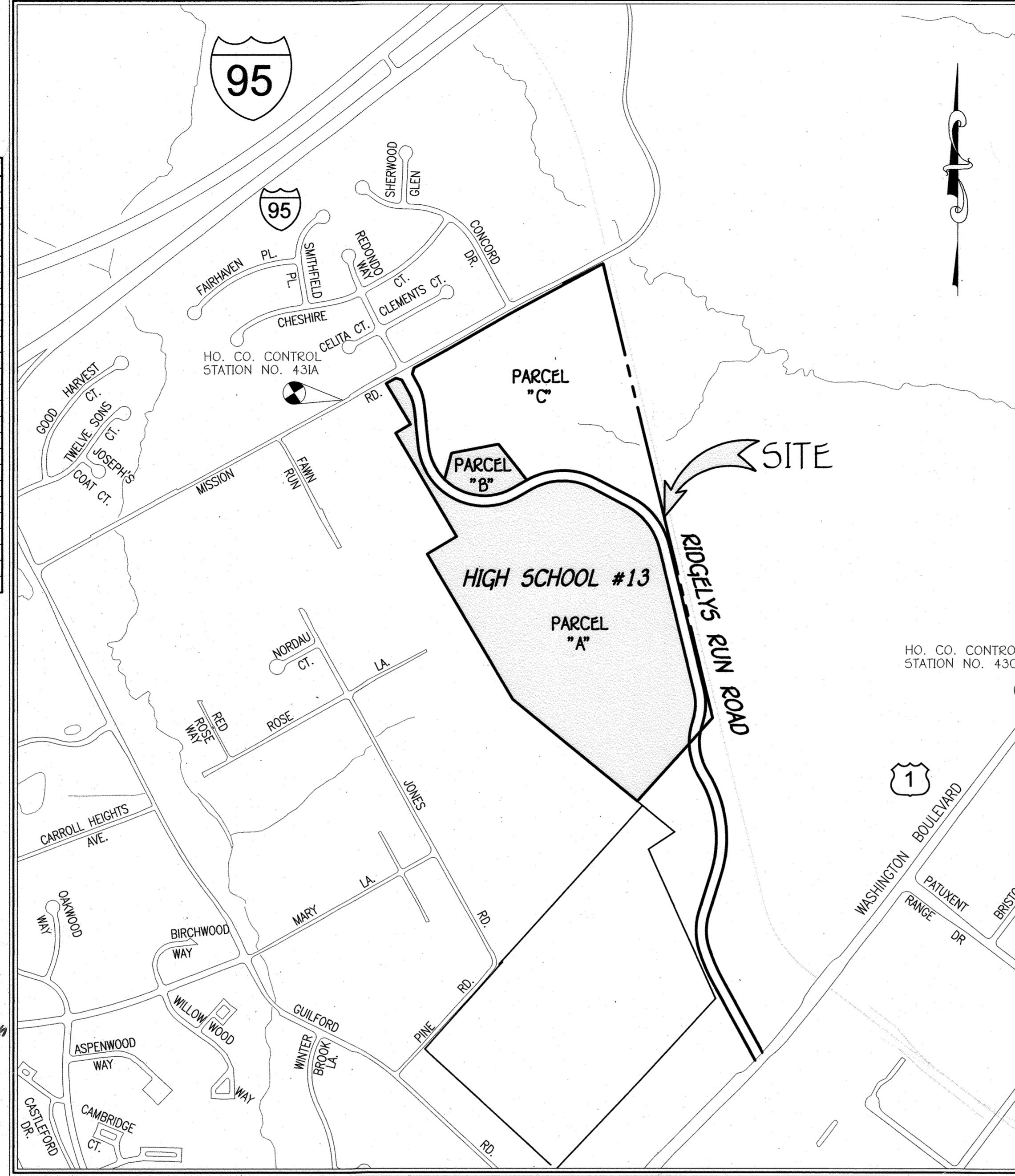
LEGEND

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
-280	EXISTING CONTOUR 10' INTERVAL
S	EXISTING SAN SEWER LINE
W	EXISTING STORM DRAIN LINE
---	EXISTING WATER LINE
---	EXISTING UNDERGROUND ELECTRIC LINE
C/TV	EXISTING CABLE/TV LINE
---	EXISTING FIBER OPTIC/CABLE LINE
---	EXISTING GAS LINE
X X	EXISTING FENCE
X X	PROPOSED FENCE
---	PROPOSED CONTOUR 2' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
280	PROPOSED SPOT ELEVATION
+	PROPOSED SPOT ELEVATION
---	PROPOSED CONCRETE WALK
---	PROPOSED MACADAM PAVING
---	EXISTING TREELINE
---	PROPOSED TREELINE
---	PROPOSED PUBLIC WATER
---	PROPOSED PRIVATE WATER
---	PROPOSED STORMDRAIN
---	PROPOSED PRIVATE SEWER
---	PROPOSED PUBLIC SEWER
---	LIMIT OF WETLANDS
---	FOREST CONSERVATION AREA

SEE CONTINUATION OF TRAFFIC CONTROL SIGNS (THIS SHEET)

* DENOTES STATIONING FROM CAPITAL PROJECT W-6262

FINAL ROAD CONSTRUCTION PLAN HIGH SCHOOL #13



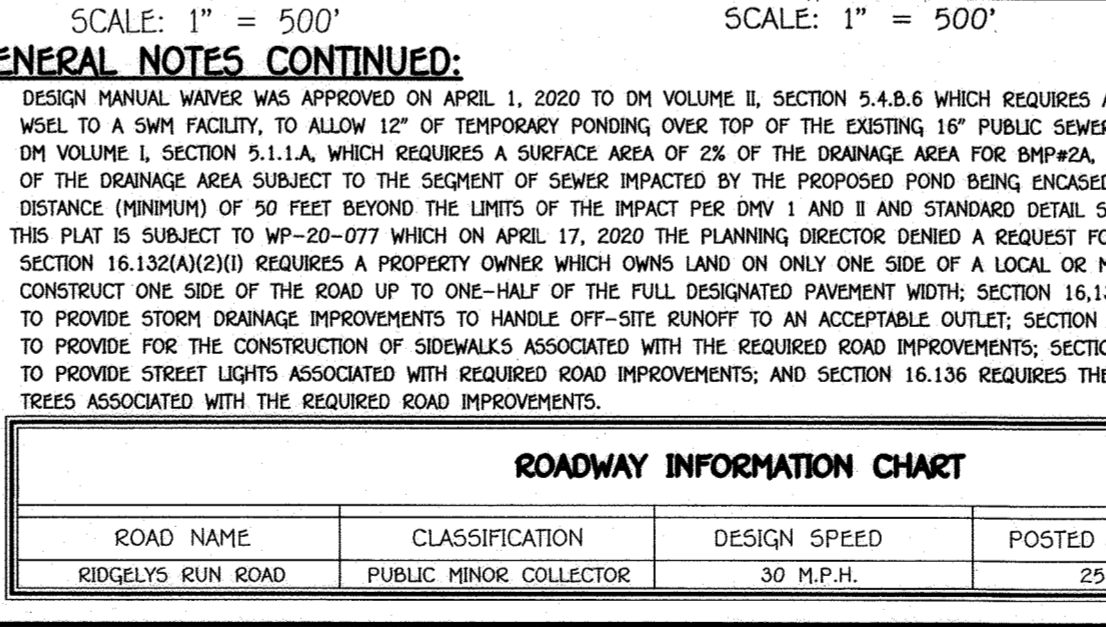
STORMWATER MANAGEMENT INFORMATION

LOT/ PARCEL NO.	FACILITY NAME & NUMBER	PRACTICE TYPE (QUANTITY)	PUBLIC	PRIVATE (HCPSS)	MISCELLANEOUS
PARCEL 'A'	1a Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	1b Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	1c Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	2a Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	2b Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	2c Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	2d Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	3 Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	4a Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	4b Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	5 Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	6 Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	7 Artificial Turf (Infiltration)	650	NO	YES	
PARCEL 'A'	8 Bio-Retention	650	NO	YES	
PARCEL 'A'	9 Bio-Retention	650	NO	YES	
PARCEL 'A'	10 Rainwater Harvesting	650	NO	YES	
PARCEL 'A'	11 Micro Bio-Retention	650	NO	YES	
PARCEL 'A'	12 Sub. Gravel Wetlands	650 / QUANTITY	NO	YES	
PARCEL 'A'	13 Bio-Retention	650 / QUANTITY	NO	YES	
PARCEL 'A'	14 Bio-Retention	650 / QUANTITY	NO	YES	
PARCEL 'A'	15 15	650 / QUANTITY	NO	YES	
PARCEL 'A'	16 16	650 / QUANTITY	NO	YES	

TRAFFIC CONTROL SIGNS

ROAD NAME	CENTERLINE STA.	OFFSET	POSTED SIGN	SIGN CODE	SIZE
RIDGELY'S RUN ROAD	4+19	0'	STOP SIGN SYMBOL/OBJECTIVE WITHIN THE ROADWAY SHOWN	KA-7(O)M-1	24" x 30" / 18" x 18"
RIDGELY'S RUN ROAD	9+17	0'	STOP SIGN SYMBOL/OBJECTIVE WITHIN THE ROADWAY SHOWN	KA-7(O)M-1	24" x 30" / 18" x 18"
RIDGELY'S RUN ROAD	11+18	0'	STOP SIGN SYMBOL/OBJECTIVE WITHIN THE ROADWAY SHOWN	KA-7(O)M-1	24" x 30" / 18" x 18"
RIDGELY'S RUN ROAD	12+18	0'	STOP SIGN SYMBOL/OBJECTIVE WITHIN THE ROADWAY SHOWN	KA-7(O)M-1	24" x 30" / 18" x 18"

LOCATION MAP



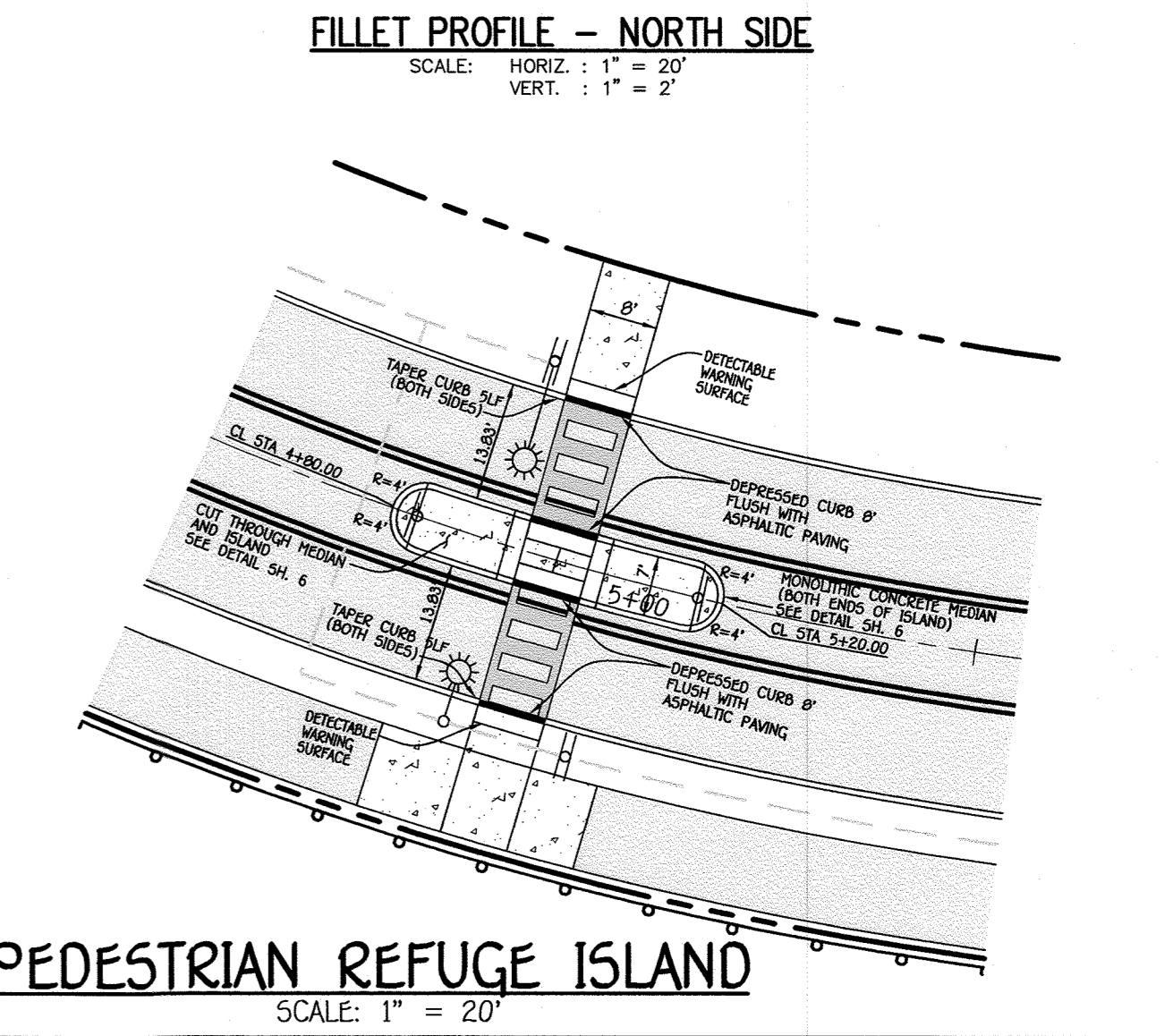
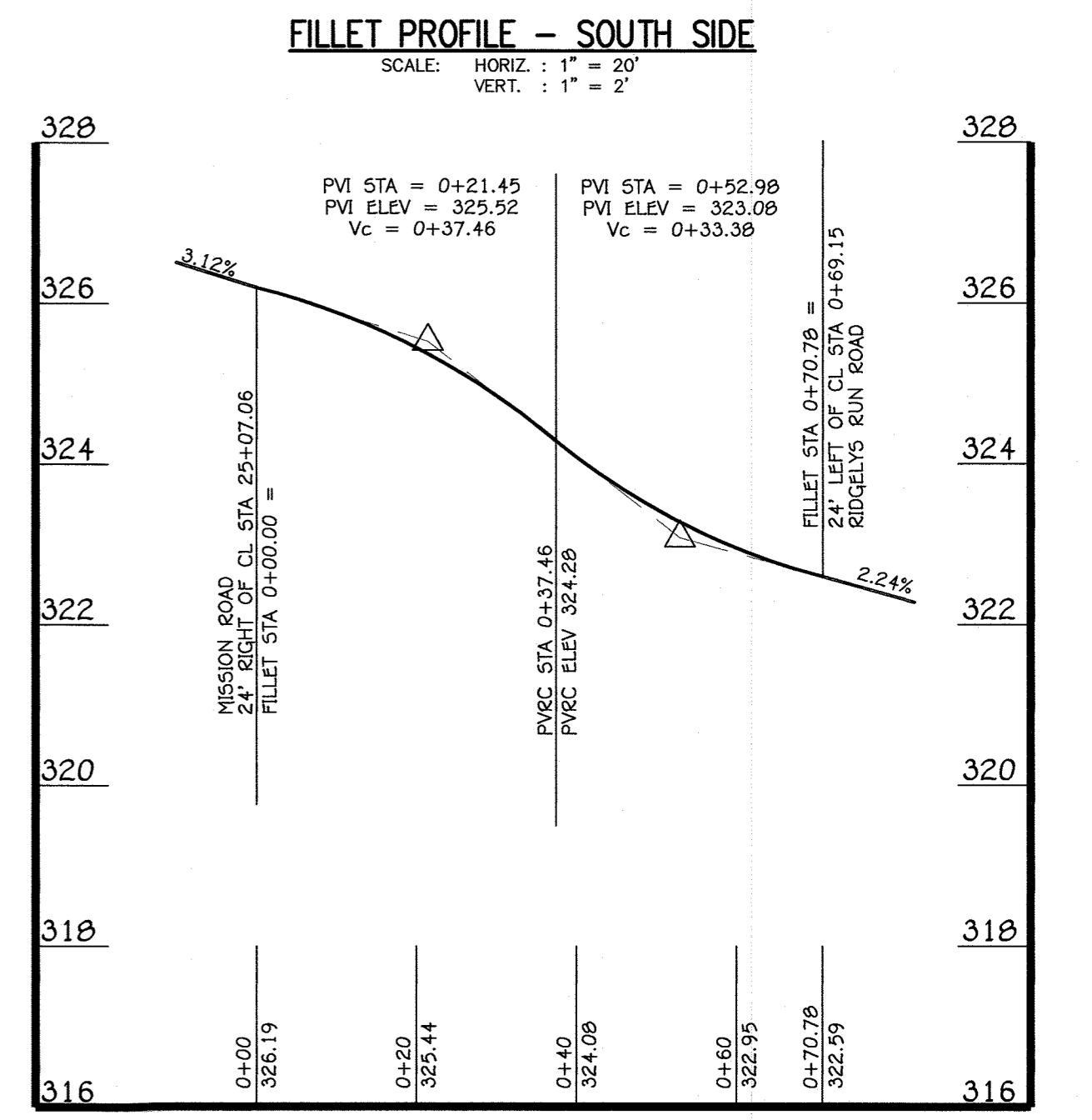
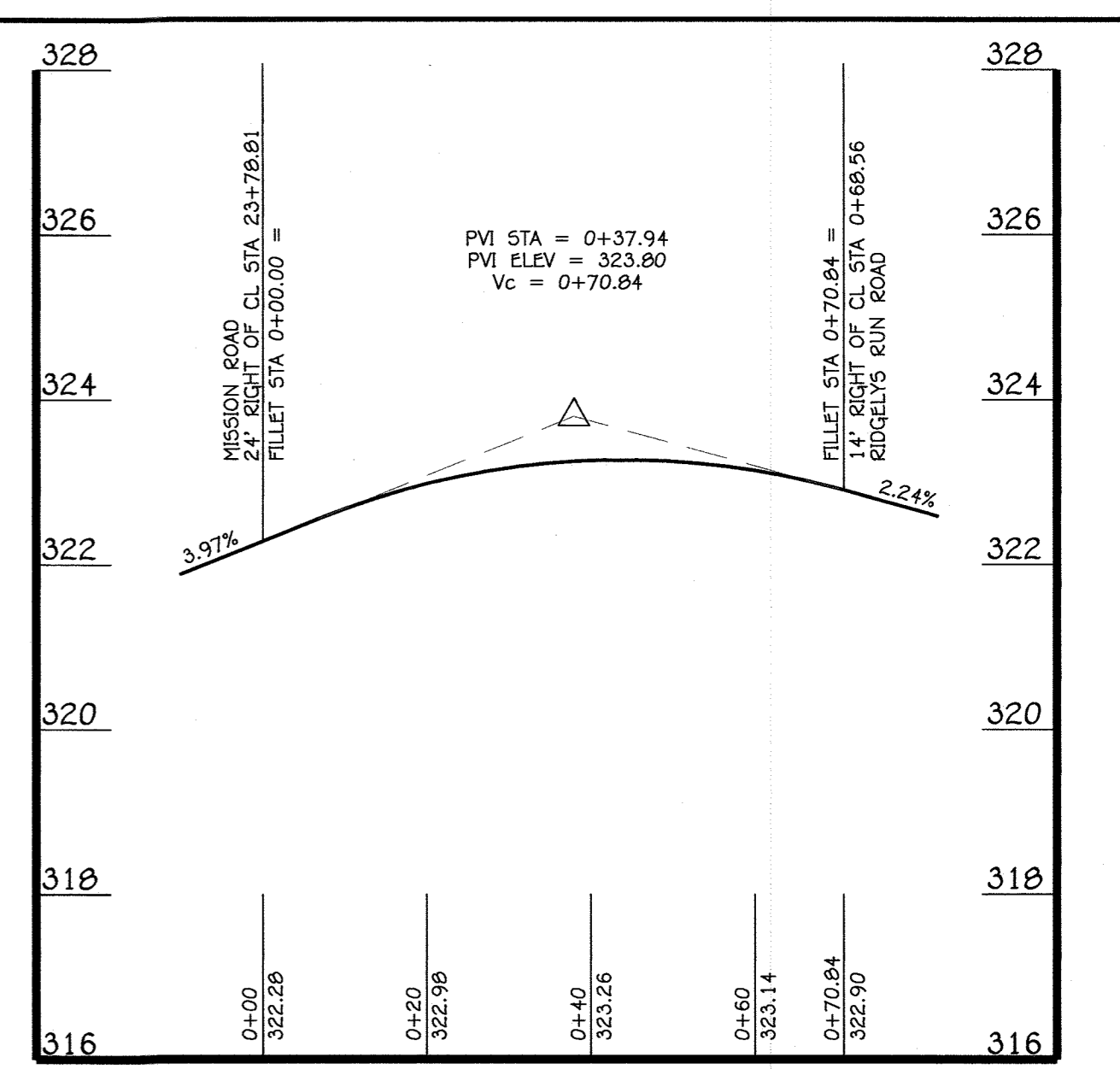
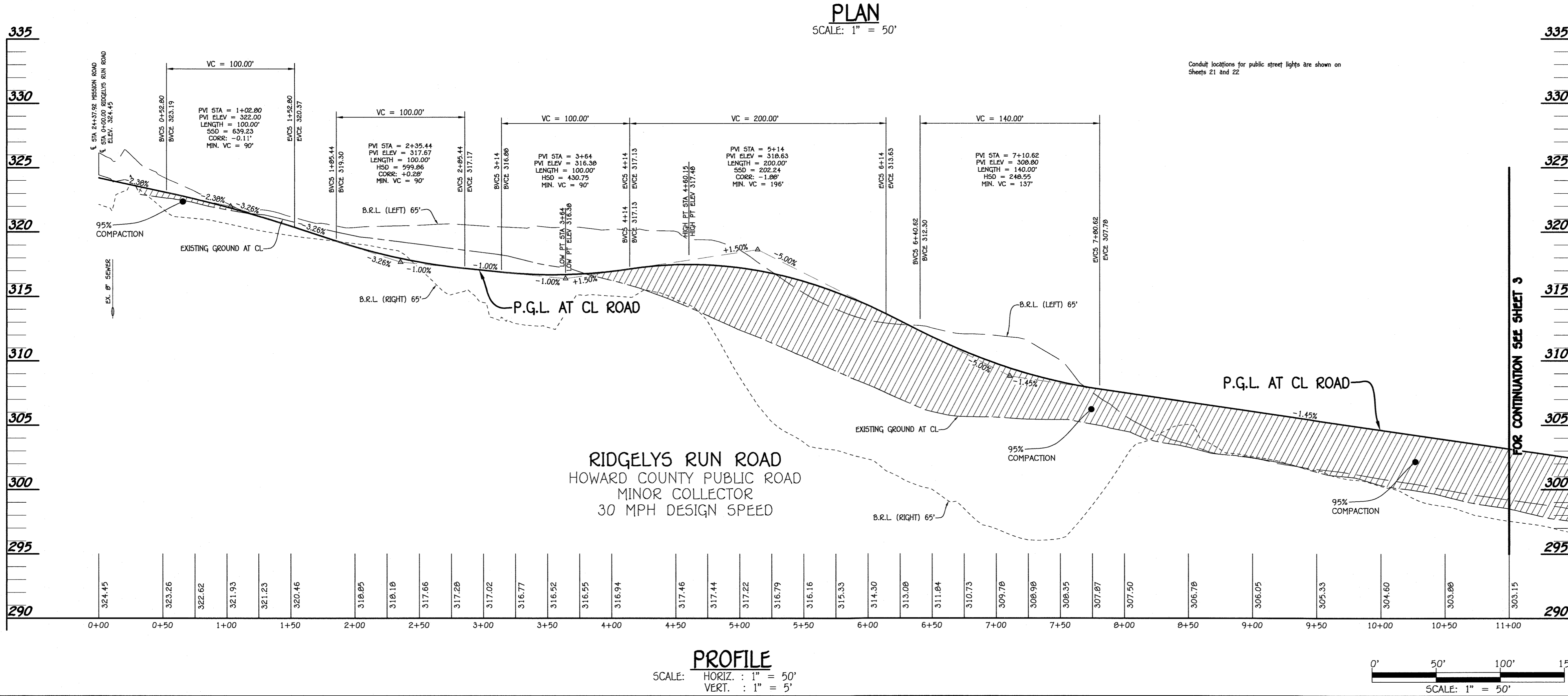
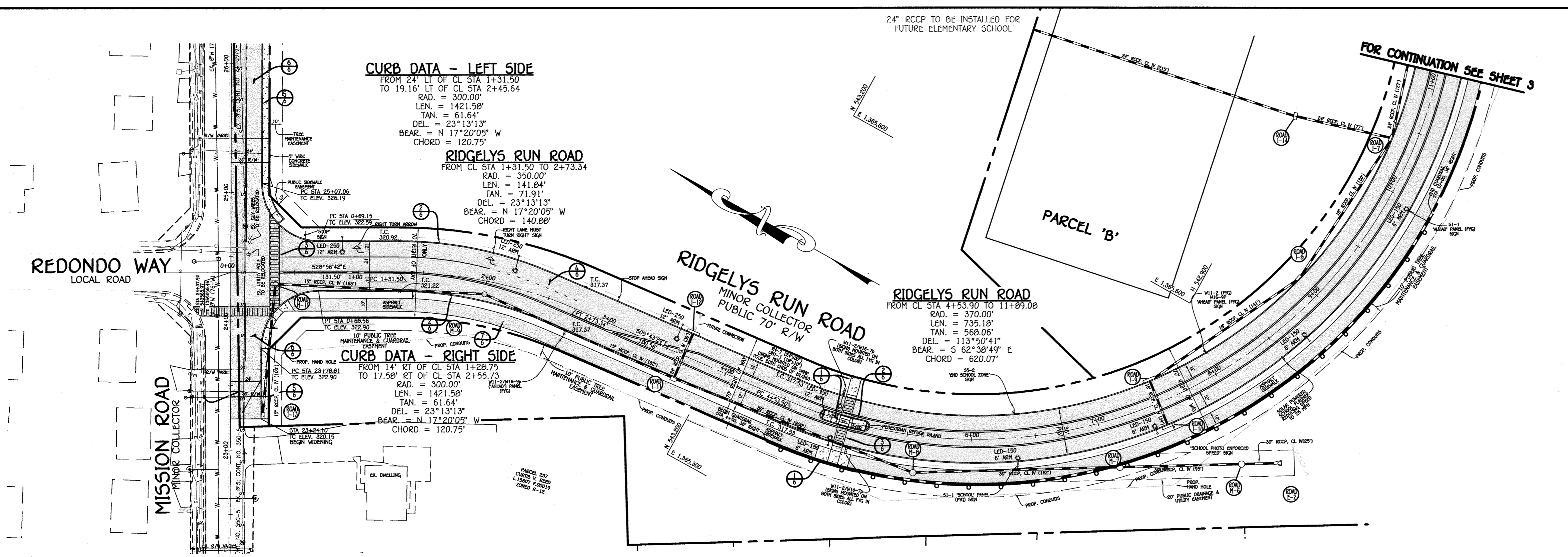
CONTROL STATIONS

B.M. #1 HOWARD COUNTY GEODETIC SURVEY CONTROL 43GA - HORIZONTAL - (NAD '83)
 LOCATED 4.8' EAST OF THE EDGE OF ROADWAY, 184.3' NORTH OF FIRE HYDRANT,
 72.5' SOUTH OF G&E POLE 273065.
 NORTHING 541,797.03
 EASTING 1,369,159.568
 ELEVATION = 240.967 - VERTICAL - (NAVD '86)

B.M. #2 HOWARD COUNTY GEODETIC SURVEY CONTROL 431A - HORIZONTAL - (NAD '83)
 LOCATED 74.3' NORTH OF EDGE OF ROADWAY, 39.2' WEST OF G&E POLE 8755.
 NORTHING 543,390.366
 EASTING 1,364,912.713
 ELEVATION = 311.984 - VERTICAL - (NAVD '86)

GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS, BUREAU OF ENGINEERING, CONSTRUCTION INSPECTION DIVISION AT (410) 313-1860 AT LEAST (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- TRAFFIC CONTROL DEVICES:
 - A 12" X 12" (ST07) SIGN AND THE STREET SIGN (S05) ASSEMBLY FOR THIS DEVELOPMENT MUST BE INSTALLED BEFORE THE BASE PAVING IS COMPLETED.
 - THE TRAFFIC CONTROL DEVICE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MUST BE FIELD APPROVED BY HOWARD COUNTY TRAFFIC DIVISION (410-313-2430) PRIOR TO THE INSTALLATION OF ANY OF THE TRAFFIC CONTROL DEVICES.
 - ALL TRAFFIC CONTROL DEVICES AND THEIR LOCATIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD).
 - ALL SIGN POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL, PERFORATED "QUICK PUNCH", SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-1/2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) - 3" LONG. THE ANCHOR SHALL NOT EXTEND MORE THAN TWO (2) "QUICK PUNCH" HOLES ABOVE LEVEL. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.
- COORDINATES ARE BASED ON NAD 83 MARYLAND COORDINATES SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS.
 - 43GA N 541,797.03 E 1,369,159.568 ELEV. 240.967
 - 431A N 543,390.366 E 1,364,912.713 ELEV. 311.984
- BACKGROUND INFORMATION:
 - A. SUBDIVISION NAME: HIGH SCHOOL #13
 - B. TAX MAP NO.: 42 and 43
 - C. PARCEL NOS.: 102, 349 and 235
 - D. ZONING: R-12, RSC-MXD-3 and R5A-B MXD-3 PER 10/6/13 COMPREHENSIVE ZONING PLAN.
 - E. ELECTION DISTRICT: SIXTH
 - F. TOTAL TRACT AREA: 78.40 AC.*
 - G. NET AREA = 78.33 AC.*
 - H. AREA OF STEEP SLOPES 2% AND GREATER = 0 AC.*
 - I. NO. OF BUILDABLE PARCELS: 2
 - J. AREA OF BUILDABLE PARCELS: 72.07 AC.*
 - K. TOTAL AREA OF ROADWAY TO BE DEDICATED: 6.33 AC.*
 - L. AREA OF FLOODPLAIN: 0.07 AC.*
- TRAFFIC REPORT AND SIGNALIZATION STUDY PROVIDED WITH CAPITAL PROJECT W0262.
- PREVIOUS FILE NOS.: GP-17-047, SOP-17-064, WP-17-109, ECP-19-026, WP-19-027, WP-20-077
- THERE ARE NO KNOWN GAGE SITES OR CEMETERIES ON THIS SITE BASED ON A VISUAL SITE VISIT AND BASED ON AN EXAMINATION OF THE HOWARD COUNTY CEMETERY INVENTORY MAP.
- ALL FILL AREAS WITHIN ROADWAYS AND UNDER STRUCTURES SHALL BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO T-180.
- SOILS INFORMATION TAKEN FROM NCSS WEB SOIL SURVEY.
- WETLAND APPROVAL FROM US ARMY CORP OF ENGINEERS JURISDICTIONAL DETERMINATION: CENAB-OPe-H 2016-61650 HAS BEEN ISSUED FOR THIS SITE. MDE LETTER OF AUTHORIZATION 16-101-031/2016050 EFFECTIVE APRIL 24, 2017. WETLANDS AND BUFFERS AREAS WHICH ARE TO REMAIN ALONG THE INTERMITTENT STREAMS AND ASSOCIATED BUFFERS SHALL BE PLACED IN A FOREST CONSERVATION EASEMENT. THESE AREAS ARE TO REMAIN UNDISTURBED.
- THERE ARE NO STEEP SLOPES OF 25% OR GREATER ON THIS SITE.
- NO GRADING, REMOVAL OF VEGETATION OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE LIMITS OF WETLANDS, STREAM(S), OR THEIR REQUIRED BUFFERS, FLOODPLAIN AND FOREST CONSERVATION EASEMENT AREAS.
- THE FOREST CONSERVATION REQUIREMENTS WILL BE FULFILLED BY RETAINING 10.8 ACRES ON-SITE AND REFORESTATION PLANTING OF 800 SF (0.02 AC.). FINANCIAL SURETY IS NOT REQUIRED FOR REFORESTATION. THE REMAINING REFORESTATION OBLIGATION OF 24.1 ACRES WILL BE PROVIDED BY THROUGH A FOREST BANK. A MEMORANDUM OF UNDERSTANDING (MOU) AGREEMENT BETWEEN HCPSS AND HOWARD COUNTY, MARYLAND WILL BE EXECUTED TO TEMPORARILY DEFER THE FOREST CONSERVATION REQUIREMENTS UNTIL AFTER THE SIGNATURE APPROVAL OF THE SOP AND ADDRESSED AS PART OF THE BUILDING PERMIT INSURANCE PROCESS.
- PERMITTER LANDSCAPING FOR THIS DEVELOPMENT IS BEING PROVIDED UNDER S0P-19-066.
- THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED.
- THE EXISTING TOPOGRAPHY INFORMATION SHOWN IS BASED ON A MASS GRADING PLAN AND OFFSITE TOPOGRAPHY IS FROM HOWARD COUNTY GIS DATA.
- BOUNDARY INFORMATION IS BASED ON A SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC. DATED OCTOBER, 2017.
- THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT.
- STORM WATER MANAGEMENT IS IN ACCORDANCE WITH THE M.D.E. STORM WATER DESIGN MANUAL, VOLUMES 1 & II, REVISED 2009. STORMWATER MANAGEMENT IS PROVIDED BY THE USE OF 10 BIO-RETENTION FACILITIES (F-6), NON-ROOFTOP DISCONNECTOR CREZITS (F-4), 2 INFILTRATION FACILITIES (I-1) AND RAINWATER HARVESTING TO MEET AND EXCEED THE REQUIRED ESD VOLUME. 100 YEAR MANAGEMENT HAS BEEN PROVIDED IN ALL FACILITIES UNDER S0P-19-066.
- STORM WATER MANAGEMENT DEVICES LOCATED ON BOE PARCELS WILL BE OWNED AND MAINTAINED BY THAT OWNER AND SUBJECT TO THE REQUIREMENTS OF A RECORDED MAINTENANCE AGREEMENT. THE STORMWATER MANAGEMENT REQUIRED FOR RIDGELY'S RUN ROAD IS PROVIDED ON THE SITE DEVELOPMENT PLAN S0P-019-066.
- A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
- ALL PROPOSED UTILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH COUNTY STANDARDS AND SPECIFICATIONS.
- ANY DAMAGE TO COUNTY AND/OR STATE OWNED RIGHT-OF-WAY TO BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- ALL DRIVEWAYS AND PARKING TO BE OWNED AND MAINTAINED BY THE HOWARD COUNTY PUBLIC SCHOOL SYSTEM.
- GUTTER PAN OF CURBS SHALL BE FITTED TO CONFORM TO THE ADJACENT DRAINAGE PATTERNS OF THE ADJOINING PAVING FOR VEHICULAR USE.
- ALL PROPOSED RAMPS SHALL BE IN ACCORDANCE WITH CURRENT A.D.A. STANDARDS ACCESSIBILITY GUIDELINES. MAXIMUM SIDEWALK CROSS SLOPE SHALL BE TWO PERCENT. PROVIDE A (5'X5') FIVE FOOT BY FIVE FOOT LEVEL LANDING (MAX. SLOPE 2%) AT THE TOP AND BOTTOM OF ALL RAMPS AND BUILDING ENTRANCES AND EXITS. HANDRAILS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE WITH SECTION 505 OF THE A.D.A. STANDARDS ACCESSIBILITY GUIDELINES.
- ALL PLAN DIMENSIONS TO THE FACE OF CURB OR FACE OF BUILDING UNLESS OTHERWISE NOTED. DIMENSIONS ARE MEASURED PERPENDICULAR OR RADIAL BETWEEN ITEMS UNLESS OTHERWISE NOTED.
- PUBLIC 10' TREE MAINTENANCE EASEMENT AND A PRIVATE 10' PACKING SETBACK RUNNING ALONG THE EDGE OF THE PUBLIC ROAD RIGHT OF WAY, AS SHOWN ON THIS PLAN OF SUBDIVISION IS RESERVED UPON ALL LOTS ON THE SAID PUBLIC RIGHT OF WAY. THIS EASEMENT ALLOWS HOWARD COUNTY THE RIGHT TO ACCESS THE PROPERTY, WHEN NECESSARY, FOR THE SPECIFIC PURPOSE OF THE INSTALLATION, REPAIR AND MAINTENANCE OF COUNTY OWNED TREES LOCATED WITHIN THE BOUNDARIES OF THE PRIVATE LOTS. NO BUILDING OR STRUCTURE OF ANY KIND SHALL BE LOCATED ON OR OVER THE SAID EASEMENT AREA.
- STREET LIGHT FIXTURES AND POLES SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME II, (2006), SECTION 5.5.A. A MINIMUM OF 20' SHALL BE MAINTAINED BETWEEN ANY STREET LIGHT AND ANY TREE.
- CONDUIT SHALL BE INSTALLED AT A DEPTH OF 24" AND LOCATED DIRECTLY BEHIND CURBS AND GUTTER TO AVOID TREE INSTALLATION DAMAGE.
- DW 2-2-013 WAS APPROVED ON MARCH 27, 2020 TO HOWARD COUNTY DESIGN MANUAL VOLUME II, SECTION 5.4.8.5, WHICH REQUIRES TEN (10) FOOT MINIMUM HORIZONTAL CLEARANCE BETWEEN ANY PERMANENT STRUCTURE AND THE EDGE OF A PUBLIC UTILITY EASEMENT WITH THE FOLLOWING CONDITIONS:
 - THERE WAS NO INFORMATION PROVIDED REGARDING THE SOURCE AND LOCATION OF POWER FOR THE LIGHT POLES; POWER FEEDS FOR THE LIGHT POLES ARE NOT APPROVED FOR PLACEMENT WITHIN OR ACROSS THE PUBLIC UTILITY EASEMENT.
 - THERE IS NO INFORMATION PROVIDED REGARDING SUPPORT STRUCTURES FOR THE FENCE; ANY FOOTER OR PILLARS USED TO SUPPORT THE FENCE MUST BE PLACED IN THE SETBACK AS WELL AND SHOULD NOT EXCEED THE FOUR (4) FOOT DEPTH OF THE PROPOSED WATERLINE. THESE SETBACKS WILL ENSURE THAT ANY WORK PERFORMED WITHIN THE PUBLIC UTILITY EASEMENTS ON THE WATER OR SEWER LINES WILL NOT INFLUENCE THE STRUCTURE AND VICE VERSA.



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE: 10732 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 (410) 461-2895

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 38386, EXPIRATION DATE: JANUARY 12, 2022."

Stephanie G. Tuitt 7/15/20
 STEPHANIE G. TUITE, R.L.A., P.E., LEED AP BC&D
 DATE

DATE: _____ DESCRIPTION: _____
 REVISION BLOCK

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Division of Land Development: *[Signature]* 9/12/20 Date
 Chief, Development Engineering Division: *[Signature]* 8/21/20 Date
 APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways: *[Signature]* 8/12/20 Date

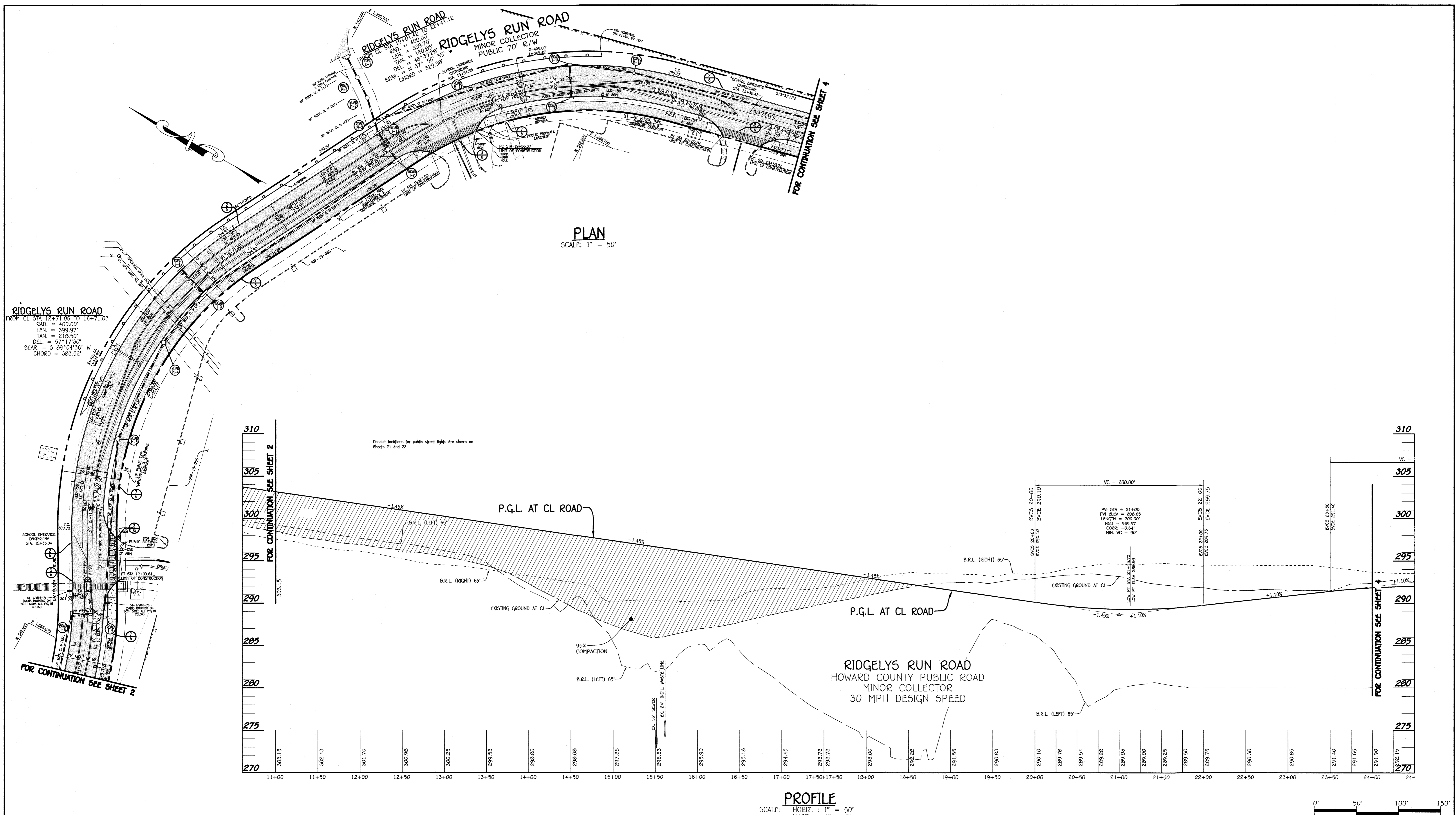
PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 9020 MENDENHALL COURT
 SUITE 'C'
 COLUMBIA, MARYLAND 21045
 Attention: DANIEL LUBELEY
 410-313-6805

PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
-	18 & 24	R-12
-	13 & 19	RSC MXD-3 (R&A-R, MXD-3)
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	
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PLAN AND PROFILE OF RIDGELY'S RUN ROAD FROM CL STA 0+00 TO 11+00

HIGH SCHOOL #13

ZONED: R-SC MXD-3, R-SA-B MXD-3 AND R-12
 PARCEL NOS.: 102, 349, 235
 TAX MAP No.: 42 & 43 GRID No.: 24 & 19
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: JUNE, 2020
 SHEET 2 OF 25

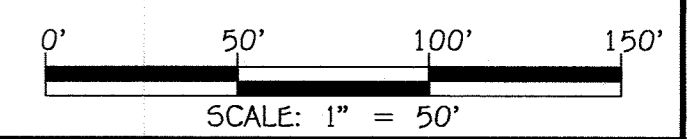


RIDGELYS RUN ROAD
 FROM CL STA 12+71.06 TO 16+71.03
 RAD. = 400.00'
 LEN. = 399.97'
 TAN. = 218.50'
 DEL. = 57°17'30"
 BEAR. = S 89°04'36" W
 CHORD = 383.52'

RIDGELYS RUN ROAD
 FROM CL STA 19+07.42 TO 22+41.12
 RAD. = 400.00'
 LEN. = 339.10'
 TAN. = 180.85'
 DEL. = 48°39'28"
 BEAR. = N 57°58'55" E
 CHORD = 323.58'

PLAN
 SCALE: 1" = 50'

PROFILE
 SCALE: HORIZ. : 1" = 50'
 VERT. : 1" = 5'



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL FLD
 ELKLOTT CITY, MARYLAND 21042
 (410) 491-2895

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Stephanie J. Tuite
 STEPHANIE J. TUITE, R.L.A. P.E., LEED AP BC&D
 7/15/20 DATE

DATE: _____ DESCRIPTION: _____ REVISION BLOCK: _____
 APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Division of Land Development: _____ Date: 9/1/2020
 Chief, Development Engineering Division: _____ Date: 8-27-20
 APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways: _____ Date: 8/12/2020

PREPARED FOR
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 9020 MENDENHALL COURT
 SUITE 'C'
 COLUMBIA, MARYLAND 21045
 Attention: DANIEL LUBELEY
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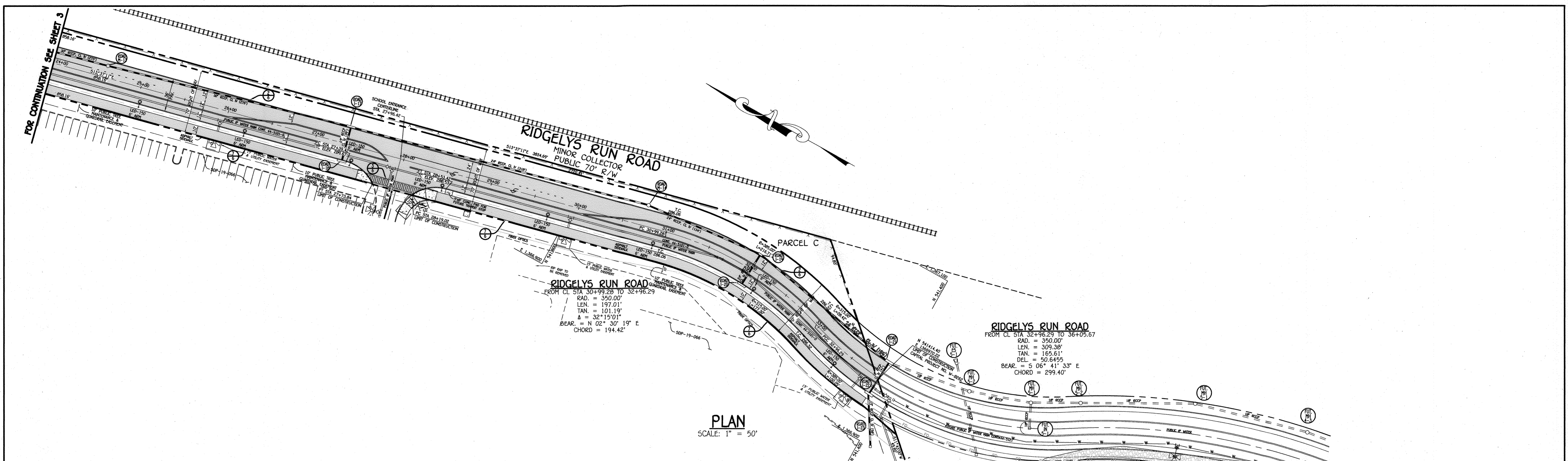
STATE OF MARYLAND
 STEPHANIE J. TUITE
 PROFESSIONAL ENGINEER
 No. 38386
 7/15/20

PROJECT HIGH SCHOOL #13		SECTION/AREA N/A	PARCEL 102, 349, 235
PLAT NOS. 18 & 24 13 & 19	BLOCK NO. 0-12 RSC MXD-3 RSA-0 MXD-3	TAX MAP 42 & 43	ELEC. DIST. CENSUS TR. SIXTH 606901
WATER CODE		SEWER CODE	

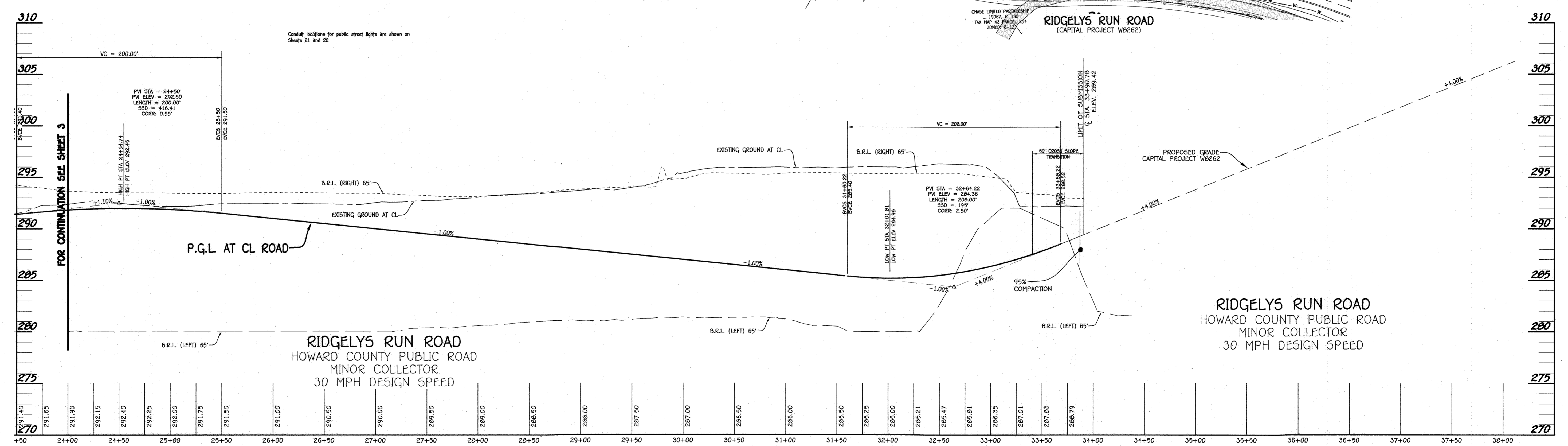
PLAN AND PROFILE OF RIDGELYS RUN ROAD FROM CL STA 11+00 TO 24+00

HIGH SCHOOL #13

ZONED: R-SC MXD-3, R-SA-0 MXD-3 AND R-12
 PARCEL Nos.: 102, 349, 235
 TAX MAP No.: 42 & 43 GRID No.: 24 & 19
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: JUNE, 2020
 SHEET 3 OF 25



PLAN
SCALE: 1" = 50'



PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
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Stephanie J. Tuite
STEPHANIE J. TUITE, R.L.A. P.E., LEED AP BCD
7/15/20
DATE

DATE	7/15/20
DESCRIPTION	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development	<i>[Signature]</i> 7/15/20 Date
Chief, Development Engineering Division	<i>[Signature]</i> 8/12/20 Date
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
Chief, Bureau of Highways	<i>[Signature]</i> 8/12/20 Date

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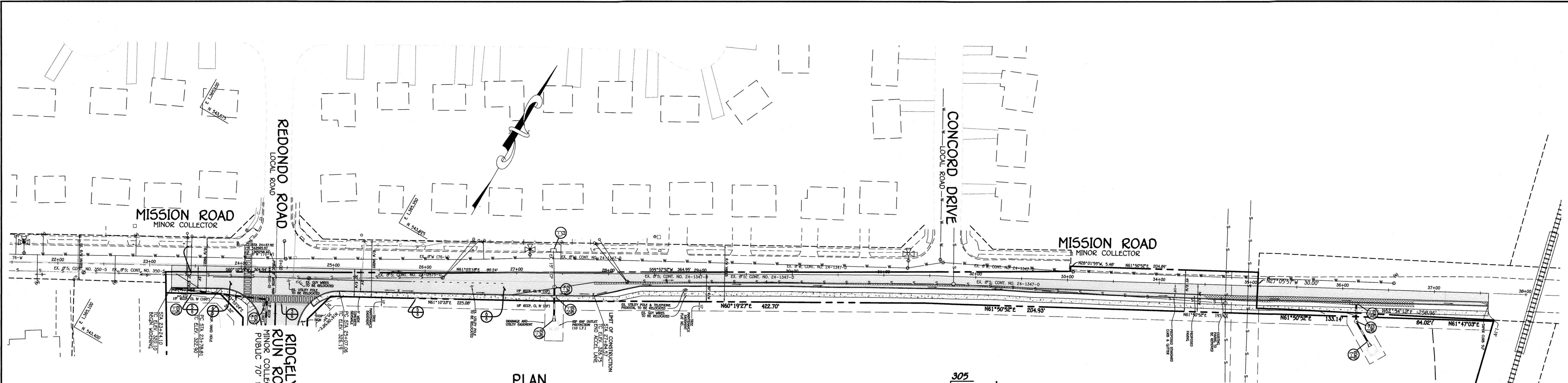
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7/15/20

PROJECT		SECTION/AREA		PARCEL	
HIGH SCHOOL #13		N/A		102, 349, 235	
PLAT NOS.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
18 & 24	13 & 19	R-12	42 & 43	SIXTH	606901
WATER CODE			SEWER CODE		

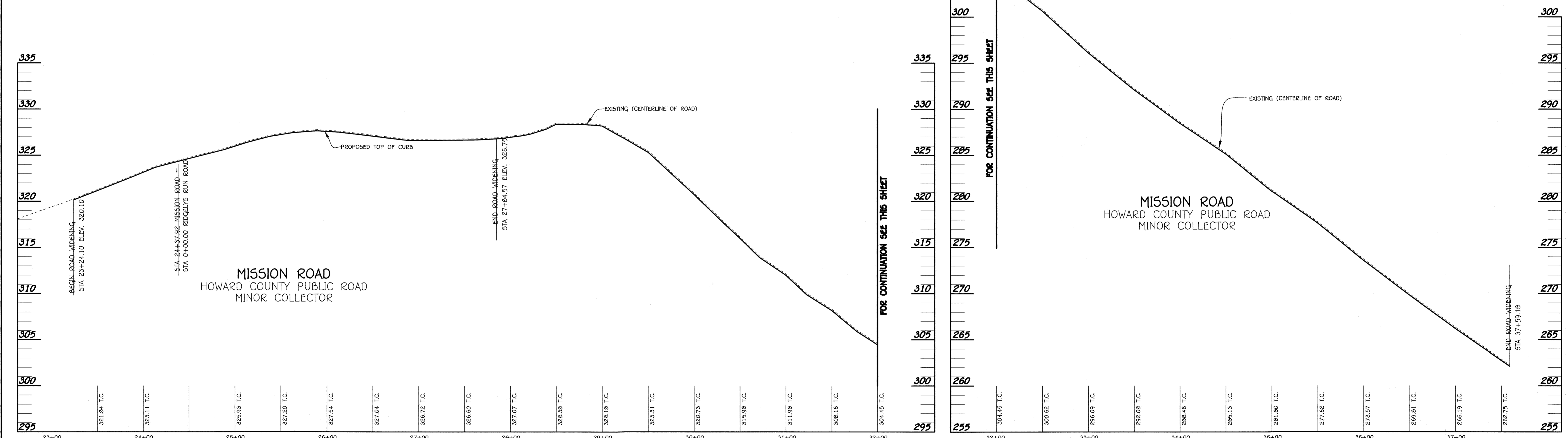
PLAN AND PROFILE OF RIDGELYS RUN ROAD FROM CL STA 24+00 TO 33+90.78

HIGH SCHOOL #13

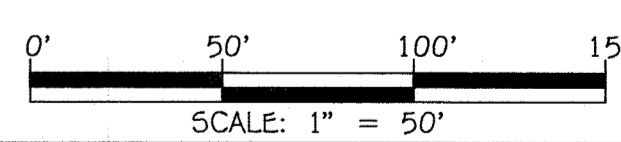
ZONED: R-5C MXD-3, R-5A-B MXD-3 AND R-12
PARCEL NOS.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 4 OF 25



PLAN
SCALE: 1" = 50'



PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21046
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7/15/20
DATE

DATE	DESCRIPTION	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING		
Chief, Division of Land Development	<i>[Signature]</i>	7/15/20 Date
Chief, Development Engineering Division	<i>[Signature]</i>	8/27/20 Date
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS		
Chief, Bureau Of Highways	<i>[Signature]</i>	8/12/2020 Date

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Attention: DANIEL LUBELEY
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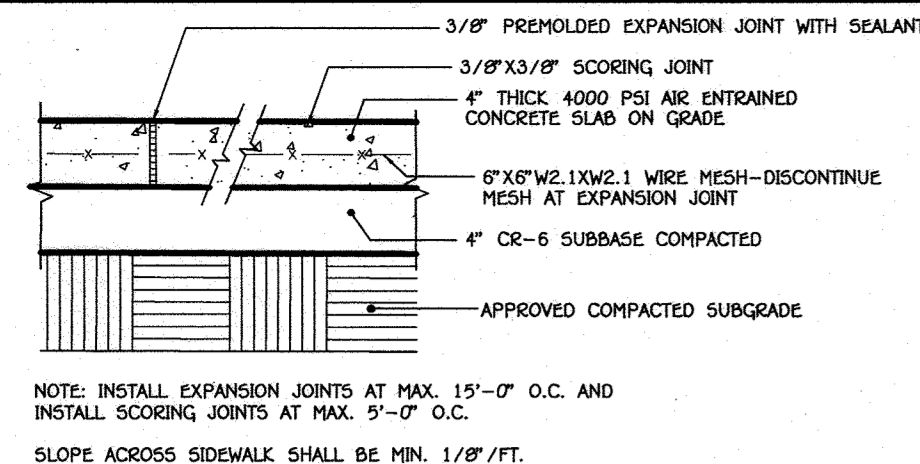
[Professional Engineer Seal]
7/15/20

PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
	18 & 24	R-12
	13 & 19	RSC MXD-3
		65A-8 MXD-3
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	

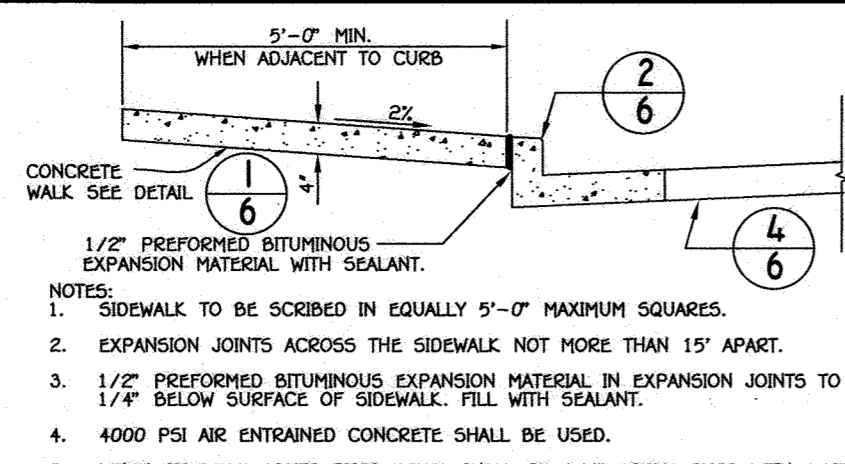
PLAN AND PROFILE OF MISSION ROAD

HIGH SCHOOL #13

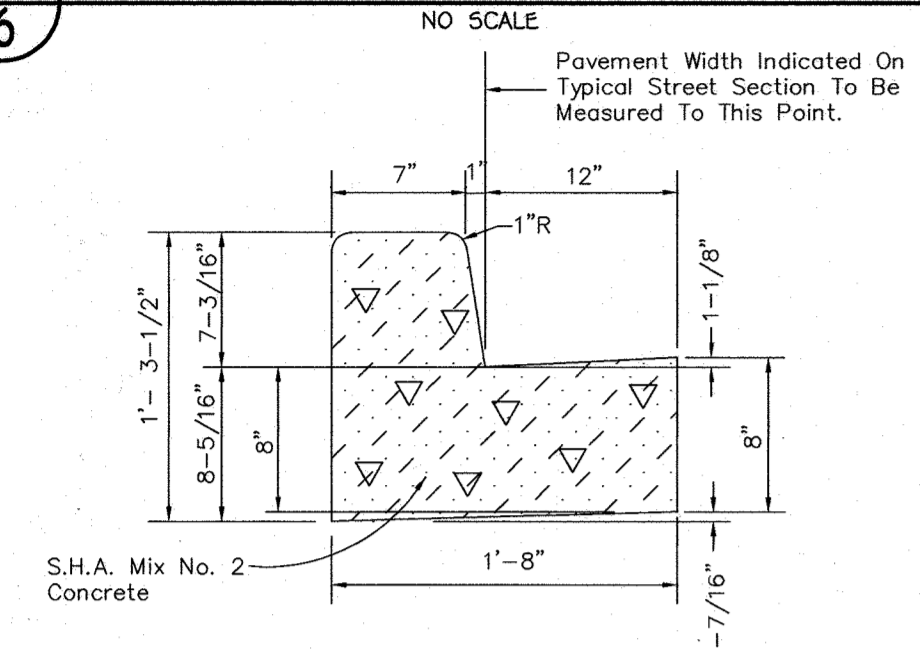
ZONED: R-SC MXD-3, R-5A-8 MXD-3 AND R-12
PARCEL Nos.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 5 OF 25



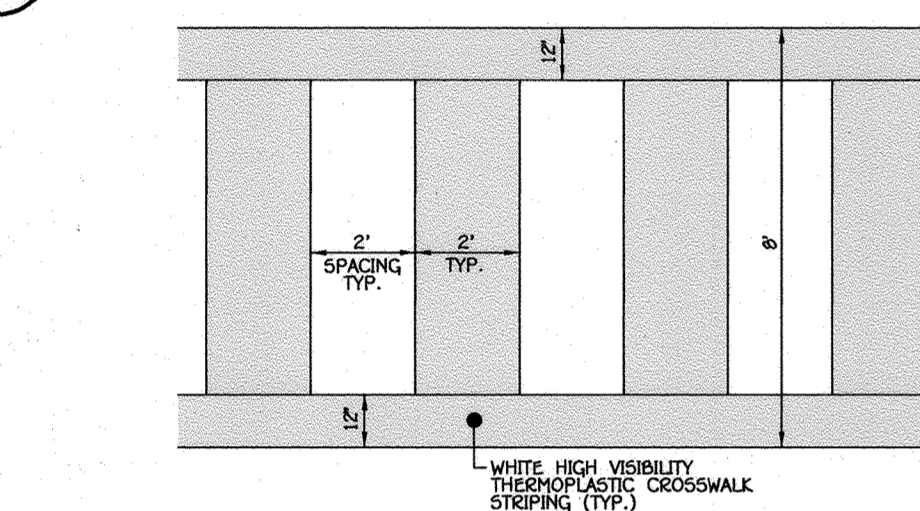
CONCRETE WALK DETAIL



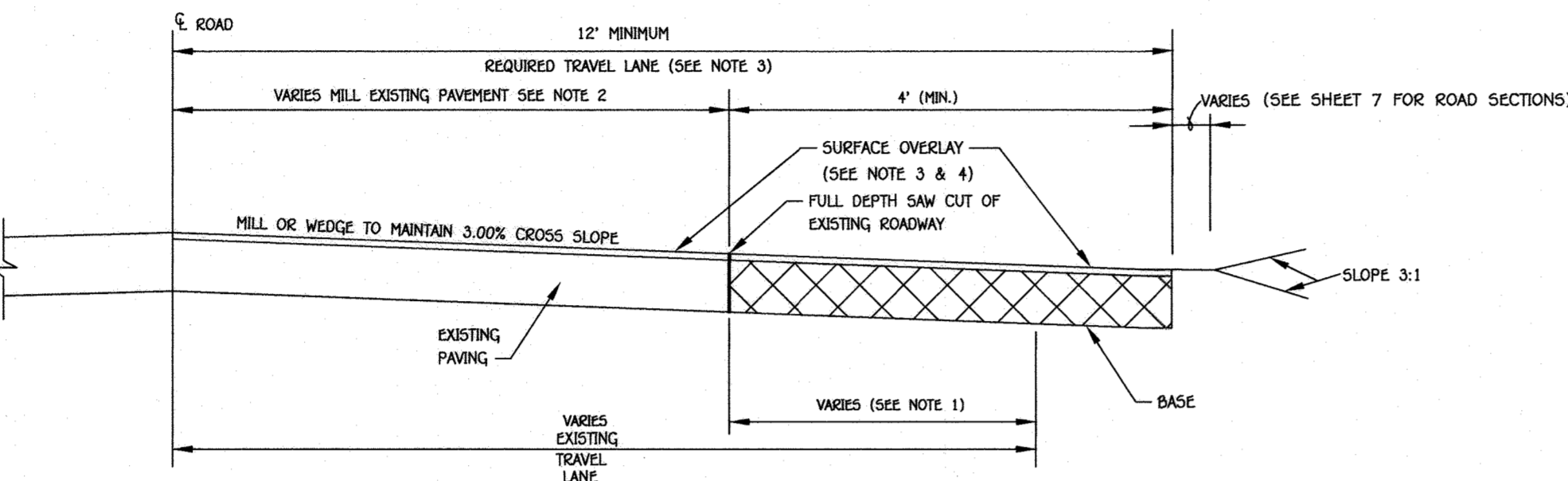
CONCRETE SIDEWALK ADJACENT TO CURB DETAIL



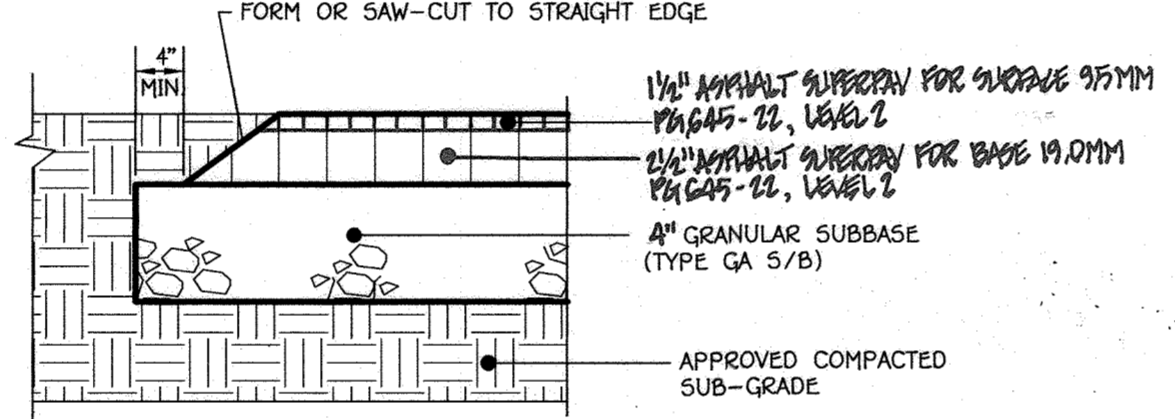
STANDARD 7\"/>



PEDESTRIAN CROSSWALK DETAIL



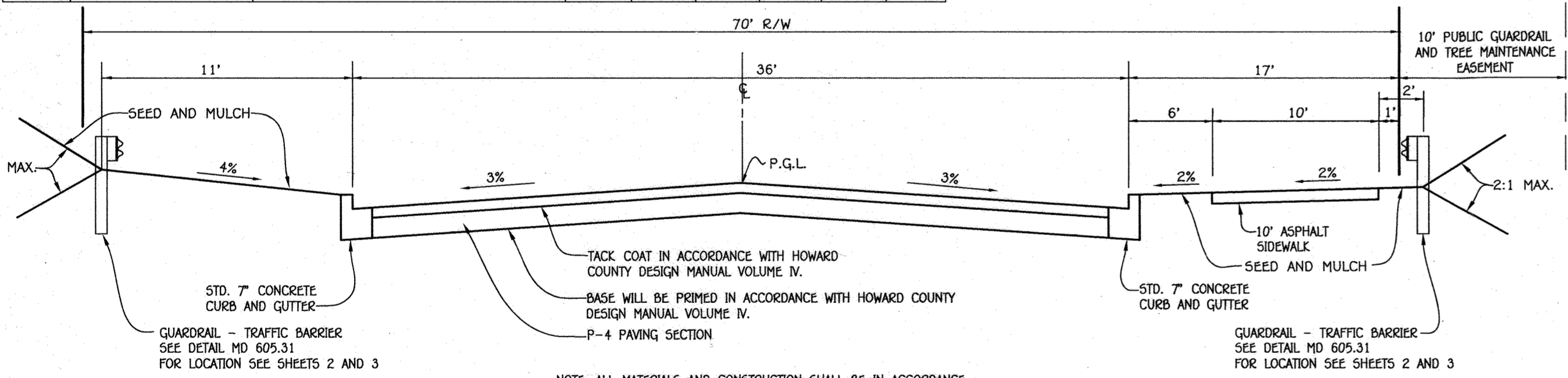
EXISTING ROADWAY WIDENING STRIP (R-I.08)



PAVED PLAY AREA AND WALKWAY ASPHALTIC PAVING DETAIL

P-4 PAVING SECTION

SECTION NUMBER	ROAD AND STREET CLASSIFICATION	CALIFORNIA BEARING RATIO (CBR)	3 TO 6\"/>					
			3 TO 6\"/>					
P-4	MINOR COLLECTORS: NON-RESIDENTIAL	HMA SUPERPAVE FINAL SURFACE 12.5 MM, PG 64-22, LEVEL 2 (LOW ESAL)	2.0	2.0	2.0	2.0	2.0	2.0
	MAJOR COLLECTORS:	HMA SUPERPAVE INTERMEDIATE SURFACE 12.5 MM, PG 64-22, LEVEL 2 (LOW ESAL)	2.0	2.0	2.0	2.0	2.0	2.0
		HMA SUPERPAVE BASE 19.0 MM, PG 64-22, LEVEL 2 (LOW ESAL)	4.0	4.0	3.0	6.0	5.0	3.0
		GRADED AGGREGATE BASE (GAB)	3.0	3.0	4.0	6.0	6.0	6.0



TYPICAL ROADWAY SECTION

ROADWAY INFORMATION CHART

ROAD NAME	CLASSIFICATION	DESIGN SPEED	STATION LIMITS	PAVING SECTION	POSTED SPEED
RIDGELY RUN ROAD	MINOR COLLECTOR	30 MPH	0+00 TO 33+90.78	P-4	25 MPH

STREET TREE SCHEDULE

QTY. REQ'D.	QTY. PROV'D.	SIZE	BOTANICAL AND COMMON NAME	COMMENTS
MISSION ROAD RIGHT OF WAY LENGTH = 480' 480' / (ONE SIDE) / 40' = 12 TREES	41 TREES	2 1/2\"/>		
RIDGELY RUN ROAD RIGHT OF WAY LENGTH = 3395' 3395' x 2 (BOTH SIDES) / 40' = 170 TREES	168 TREES*	2 1/2\"/>		

STREET TREE REQUIREMENTS

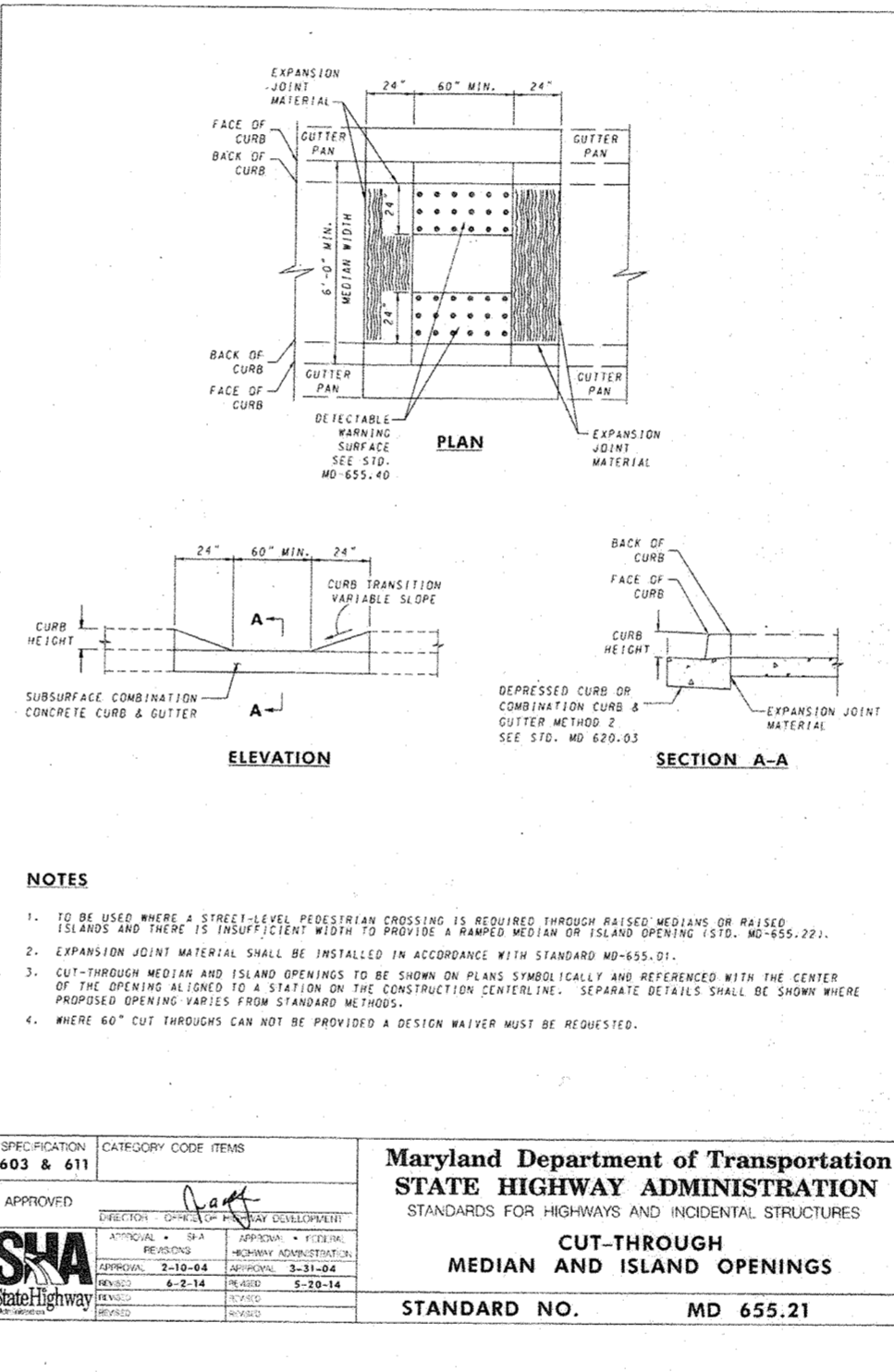
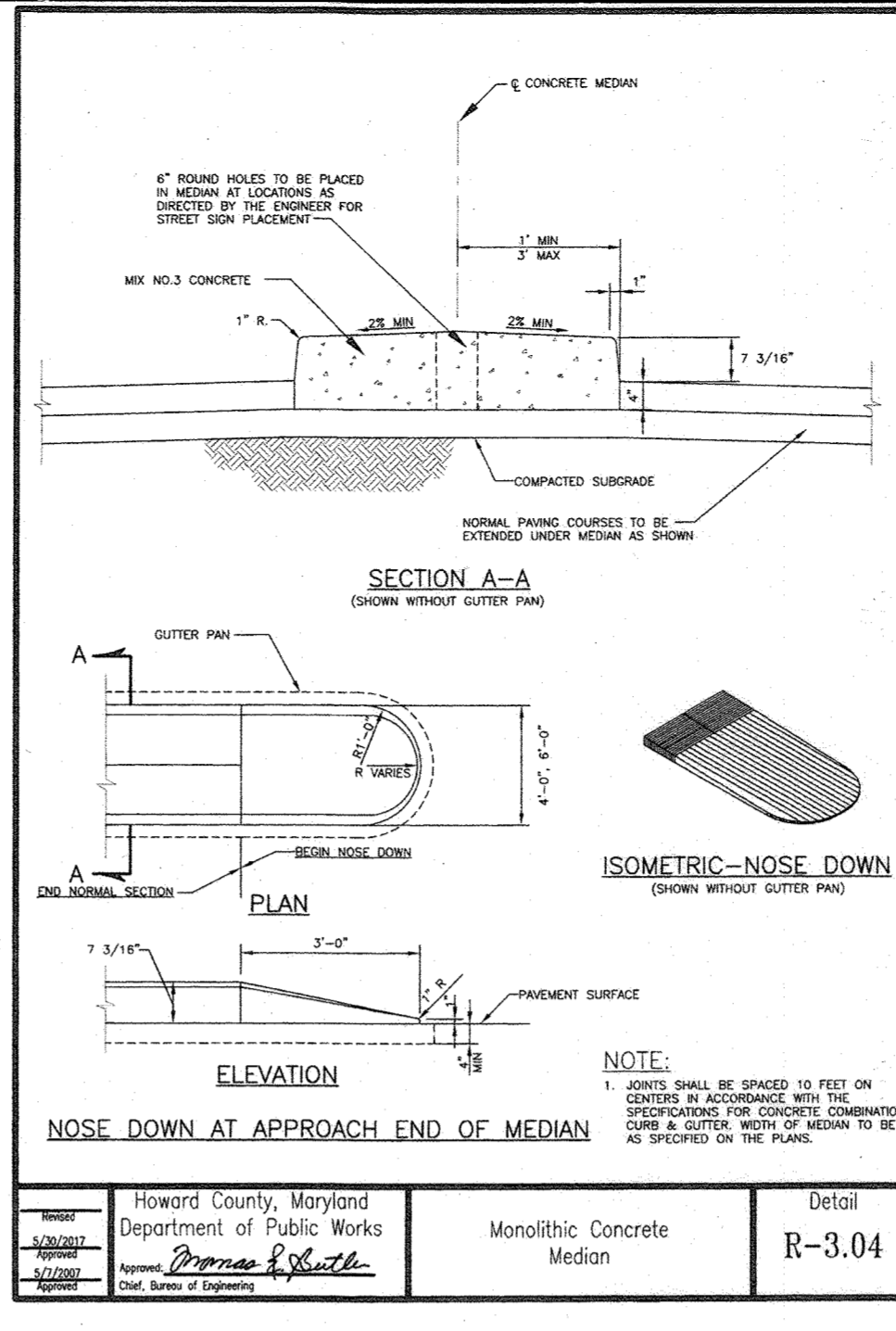
MISSION ROAD HAS A STREET LENGTH OF 1485 LINEAR FEET WHICH REQUIRES 41 TREES ON ONE SIDE OF THE STREET.

RIDGELY RUN ROAD HAS A STREET LENGTH OF 3395 LINEAR FEET WHICH REQUIRES 168 TREES ON BOTH SIDES OF THE STREET.

A TOTAL OF 209 TREES ARE REQUIRED.

LANDSCAPING PROVIDED:

A TOTAL OF 209 TREES HAVE BEEN PROVIDED TO MEET THIS REQUIREMENT.



PLANTING NOTES:

- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16.124 OF HOWARD COUNTY CODE AND LANDSCAPE MANUAL AND IS TO BE USED FOR PLANTING ONLY. LANDSCAPING SHALL BE PROVIDED AS SHOWN ON THIS PLAN SHEET. NO SURETY IS REQUIRED SINCE THIS IS A HOWARD COUNTY BOARD OF EDUCATION PROJECT.
- CONTRACTOR SHALL NOTIFY ALL UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK. ALL GENERAL NOTES FROM SHEET 1, SHALL APPLY.
- FIELD VERIFY UNDERGROUND UTILITY LOCATIONS AND EXISTING CONDITIONS BEFORE STARTING PLANTING WORK, EVEN WHERE PLANT LOCATIONS ARE DIMENSIONED. CONTACT CONSTRUCTION MANAGER IF ANY RELOCATION ARE REQUIRED.
- PLANT QUANTITIES SHOWN ON PLANT LIST ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IF DISCREPANCIES EXIST BETWEEN QUANTITIES SHOWN ON THE PLAN AND THOSE SHOWN ON THE PLANT LIST, THE QUANTITIES ON THE PLAN SHALL TAKE PRECEDENCE.
- ALL PLANT MATERIALS SHALL BE FULL AND HEAVY, BE WELL FORMED AND SYMMETRICAL, CONFORM TO THE A.A. SPECIFICATIONS, AND BE INSTALLED IN ACCORDANCE WITH PLANTING SPECIFICATIONS.
- ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES BUT NOT OTHERWISE PLANTED, PAVED OR MULCHED SHALL BE SEEDDED IN ACCORDANCE WITH PLANTING SPECIFICATIONS.
- ALL EXPOSED EARTH WITHIN THE LIMITS OF THE PLANTING BEDS SHALL BE MULCHED WITH SHREDED HARDWOOD MULCH PER PLANTING DETAILS.
- THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING IF SOIL OR DRAINAGE CONDITIONS ARE ENCOUNTERED WHICH MAY BE DETRIMENTAL TO THE GROWTH OF PLANTS.
- NO SUBSTITUTION SHALL BE MADE WITHOUT WRITTEN CONSENT OF THE OWNER OR HIS REPRESENTATIVE.
- REFER TO OTHER SITE DWGS. FOR ADDITIONAL SEEDING REQUIREMENTS.

Note: THERE IS NO LANDSCAPING SURETY FOR THE LANDSCAPE PLAN.

Note: TREE TYPES ARE ONLY A RECOMMENDATION, THESE MAY BE REVISED TO A COUNTY APPROVED EQUIVALENT FROM THE HOWARD COUNTY LANDSCAPE MANUAL. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.

Note: AT THE TIME OF PLANT INSTALLATION, ALL TREES LISTED AND APPROVED ON THE LANDSCAPE PLAN, SHALL COMPLY WITH THE PROPER HEIGHT REQUIREMENT IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATIONS OF THE REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING.

PLANTING SPECIFICATIONS

PLANTS, RELATED MATERIAL AND OPERATIONS SHALL MEET THE DETAILED DESCRIPTION AS GIVEN ON THE PLANS AND AS DESCRIBED HEREIN.

ALL PLANT MATERIAL, UNLESS OTHERWISE SPECIFIED, SHALL BE NURSERY GROWN, UNIFORMLY BRANCHED, HAVE A VIGOROUS ROOT SYSTEM, AND SHALL CONFORM TO THE SPECIES, SIZE, ROOT AND SHAPE SHOWN ON THE PLANT LIST AND THE AMERICAN ASSOCIATION OF NURSERYMEN (A.A.) STANDARDS. PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, FREE FROM DEFECTS, DECAY, DISFIGURING ROOTS, SUN SCALD INJURIES, ABRASIONS OF THE BARK, PLANT DISEASE, INSECT PEST EGGS, BORERS AND ALL FORMS OF INSECT INFESTATIONS OR OBSTRUCTIONABLE DISFIGUREMENTS. PLANT MATERIAL THAT IS WEAK OR WHICH HAS BEEN CUT BACK FROM LARGER GRADES TO MEET SPECIFIED REQUIREMENTS WILL BE REJECTED. TREES WITH FORKED LEADERS WILL NOT BE ACCEPTED. ALL PLANTS SHALL BE FRESHLY DUG; NO HEALED-IN PLANTS FROM COLD STORAGE WILL BE ACCEPTED.

UNLESS OTHERWISE SPECIFIED, ALL GENERAL CONDITIONS, PLANTING OPERATIONS, DETAILS AND PLANTING SPECIFICATION SHALL CONFORM TO "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS" (HEREINAFTER "LANDSCAPE GUIDELINES") APPROVED BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF METROPOLITAN WASHINGTON AND THE POTOMAC CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECT, LATEST EDITION, INCLUDING ALL AGENDA.

CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE IN ACCORDANCE WITH THE APPROPRIATE SECTION OF THE LANDSCAPE GUIDELINES. CONTRACTOR'S ATTENTION IS DIRECTED TO THE MAINTENANCE REQUIREMENTS FOUND WITHIN THE ONE YEAR SPECIFICATIONS INCLUDING WATERING AND REPLACEMENT OF SPECIFIED PLANT MATERIAL.

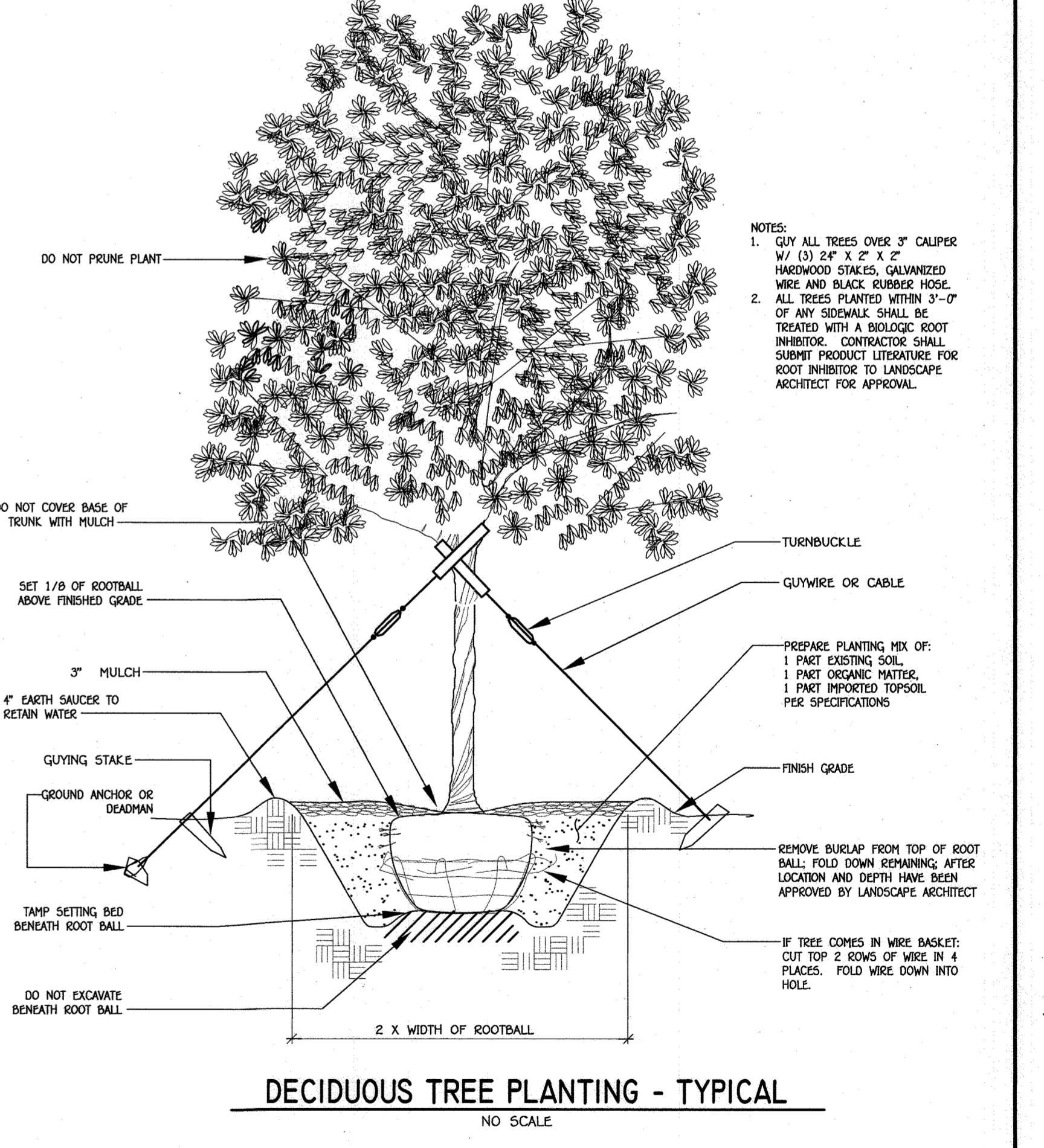
BID SHALL BE BASED ON ACTUAL SITE CONDITIONS. NO EXTRA PAYMENT SHALL BE MADE FOR WORK ARISING FROM SITE CONDITIONS DIFFERING FROM THOSE INDICATED ON DRAWINGS AND SPECIFICATIONS.

POSITIVE DRAINAGE SHALL BE MAINTAINED IN PLANTING BEDS 2 PERCENT SLOPE).

PLANTING MIX SHALL BE AS FOLLOWS: DECIDUOUS PLANTS - TWO PARTS TOPSOIL, ONE PART WELL-ROTTED COW OR HORSE MANURE. ADD 3 LBS. OF STANDARD FERTILIZER PER CUBIC YARD OF PLANTING MIX. EVERGREEN PLANTS - TWO PARTS TOPSOIL, ONE PART HUMUS OR OTHER APPROVED ORGANIC MATERIAL. ADD 3 LBS. OF EVERGREEN (ACIDIC) FERTILIZER PER CUBIC YARD OF PLANTING MIX. TOPSOIL SHALL CONFORM TO THE LANDSCAPE GUIDELINES.

WEED CONTROL: INCORPORATE A PRE-EMERGENT HERBICIDE INTO THE PLANTING BED FOLLOWING RECOMMENDED RATES ON THE LABEL. CAUTION: BE SURE TO CAREFULLY CHECK THE CHEMICAL USED TO ASSURE ITS ADAPTABILITY TO THE SPECIFIC GROUND COVER TO BE TREATED.

ALL AREAS WITHIN CONTRACT LIMITS DISTURBED DURING OR PRIOR TO CONSTRUCTION NOT DESIGNATED TO RECEIVE PLANTS AND MULCH SHALL BE FINE GRADED AND SEEDDED.



DECIDUOUS TREE PLANTING - TYPICAL

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2295

DEVELOPER'S / BUILDER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

James H. Fisher
DATE: 7/16/20

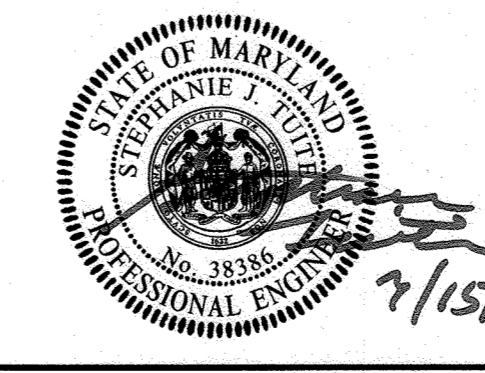
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Stephanie J. Tuitt
STEPHANIE J. TUITT, R.L.A. P.E., LEED AP BC&D
DATE: 7/15/20

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
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COLUMBIA, MARYLAND 21045
Attention: DANIEL LUBELEY
410-313-6805

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Date: 9/2/2020

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Date: 8/26/2020

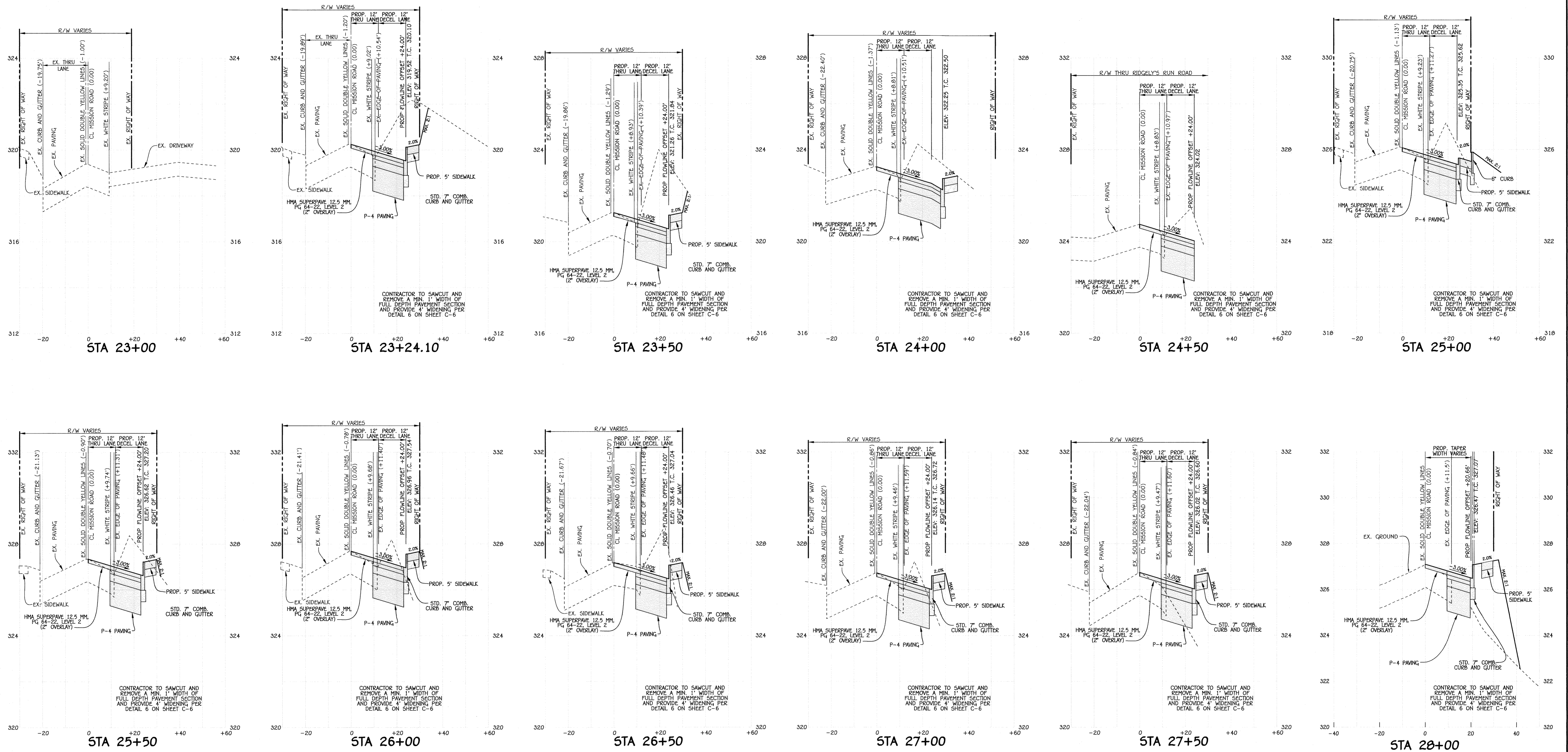


ROADWAY DETAIL SHEET, STREET TREE PLANTING DETAIL, NOTES, SPECIFICATIONS & SCHEDULE

HIGH SCHOOL #13

PROJECT	SECTION/AREA	PARCEL			
HIGH SCHOOL #13	N/A	102, 349, 235			
PLAT NOS.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
-	18 & 24 13 & 19	R-12 RSC MXD-3 ROA-D, MXD-3	42 & 43	SIXTH	606901
WATER CODE	SEWER CODE				
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ZONED: R-5C MXD-3, R-SA-B MXD-3 AND R-12
PARCEL NOS.: 102, 349, 235
TAX MAP NO.: 42 & 43 GRID NO.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 6 OF 25



MISSION ROAD WIDENING SECTIONS

SCALE: HORIZ. : 1" = 20'
VERT. : 1" = 2'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PARK
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2895

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 36366, EXPIRATION DATE: JANUARY 12, 2022."
Stephanie G. Tuite
STEPHANIE G. TUITE, R.L.A. P.E., LEED AP BC&D
DATE: 7/15/20

DATE	DESCRIPTION
	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development	9/16/20 Date
Chief, Development Engineering Division	8/27/20 Date
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
Chief, Bureau of Highways	8/12/2020 Date

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
SUITE 'C'
COLUMBIA, MARYLAND 21045
Attention: DANIEL LUBELEY
410-313-6805

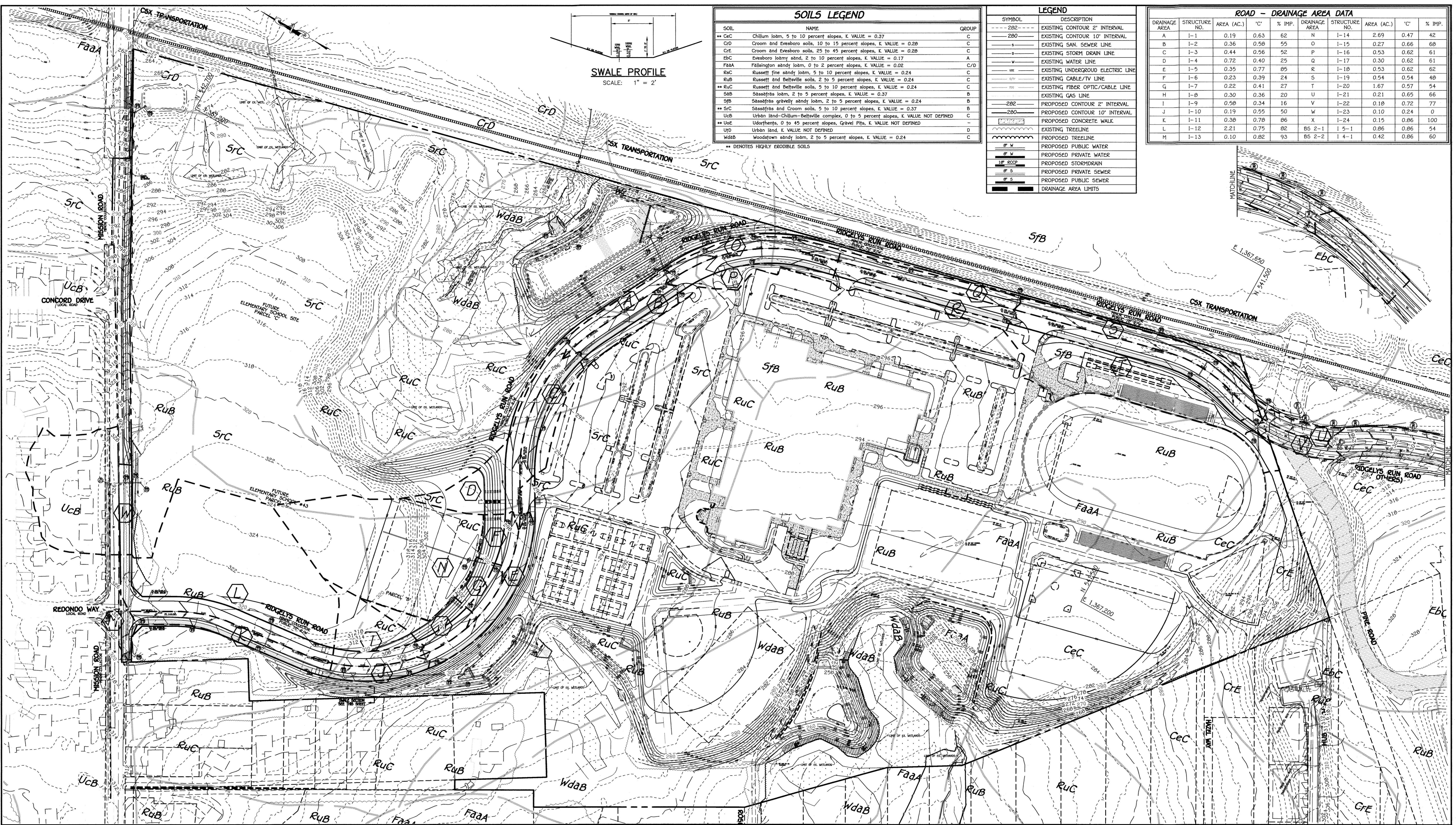


PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
	18 & 24	R-12
	13 & 19	65C MXD-3
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	

MISSION ROAD - ROAD SECTIONS

HIGH SCHOOL #13

ZONED: R-5C MXD-3, R-5A-B MXD-3 AND R-12
PARCEL NOS.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 7 OF 25



SOILS LEGEND

SOIL	NAME	GROUP
CeC	Chillum loam, 5 to 10 percent slopes, K VALUE = 0.37	C
CrD	Croom and Evesboro soils, 10 to 15 percent slopes, K VALUE = 0.28	C
CrE	Croom and Evesboro soils, 25 to 45 percent slopes, K VALUE = 0.28	C
Ebc	Evesboro loamy sand, 2 to 10 percent slopes, K VALUE = 0.17	A
FaaA	Falleington sandy loam, 0 to 2 percent slopes, K VALUE = 0.02	C/D
RaC	Russett fine sandy loam, 5 to 10 percent slopes, K VALUE = 0.24	C
RuB	Russett and Belleville soils, 2 to 5 percent slopes, K VALUE = 0.24	C
RuC	Russett and Belleville soils, 5 to 10 percent slopes, K VALUE = 0.24	C
SaB	Sassafras loam, 2 to 5 percent slopes, K VALUE = 0.37	B
SfB	Sassafras gravelly sandy loam, 2 to 5 percent slopes, K VALUE = 0.24	B
SfC	Sassafras and Croom soils, 5 to 10 percent slopes, K VALUE = 0.37	B
Ucb	Urban land-Chillum-Beltville complex, 0 to 5 percent slopes, K VALUE NOT DEFINED	C
Ucd	Urban land, 0 to 45 percent slopes, Gravel Pits, K VALUE NOT DEFINED	C
Uhd	Urban land, K VALUE NOT DEFINED	C
Wdab	Woodstown sandy loam, 2 to 5 percent slopes, K VALUE = 0.24	D

•• DENOTES HIGHLY ERODIBLE SOILS

LEGEND

SYMBOL	DESCRIPTION
--- 2' ---	EXISTING CONTOUR 2' INTERVAL
--- 10' ---	EXISTING CONTOUR 10' INTERVAL
—	EXISTING SAN. SEWER LINE
—	EXISTING STORM DRAIN LINE
—	EXISTING WATER LINE
—	EXISTING UNDERGROUND ELECTRIC LINE
—	EXISTING CABLE/TV LINE
—	EXISTING FIBER OPTIC/CABLE LINE
—	EXISTING GAS LINE
--- 2' ---	PROPOSED CONTOUR 2' INTERVAL
--- 10' ---	PROPOSED CONTOUR 10' INTERVAL
—	PROPOSED CONCRETE WALK
—	EXISTING TREELINE
—	PROPOSED TREELINE
—	PROPOSED PUBLIC WATER
—	PROPOSED PRIVATE WATER
—	PROPOSED STORMDRAIN
—	PROPOSED PRIVATE SEWER
—	PROPOSED PUBLIC SEWER
—	DRAINAGE AREA LIMITS

ROAD - DRAINAGE AREA DATA

DRAINAGE AREA	STRUCTURE NO.	AREA (AC.)	'C'	% IMP.	DRAINAGE AREA	STRUCTURE NO.	AREA (AC.)	'C'	% IMP.
A	1-1	0.19	0.63	62	N	1-14	2.69	0.47	42
B	1-2	0.36	0.58	55	O	1-15	0.27	0.66	68
C	1-3	0.44	0.56	52	P	1-16	0.53	0.62	61
D	1-4	0.72	0.40	25	Q	1-17	0.30	0.62	61
E	1-5	0.35	0.77	85	R	1-18	0.53	0.62	62
F	1-6	0.23	0.39	24	S	1-19	0.54	0.54	48
G	1-7	0.22	0.41	27	T	1-20	1.67	0.57	54
H	1-8	0.30	0.36	20	U	1-21	0.21	0.65	66
I	1-9	0.58	0.34	16	V	1-22	0.18	0.72	77
J	1-10	0.19	0.55	50	W	1-23	0.10	0.24	0
K	1-11	0.38	0.78	86	X	1-24	0.15	0.86	100
L	1-12	2.21	0.75	82	BS 2-1	1-5-1	0.86	0.86	54
M	1-13	0.10	0.82	93	BS 2-2	1-4-1	0.42	0.86	60

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 100 NATIONAL SQUARE OFFICE PARK - 10773 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 (410) 461-2995

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 38386, EXPIRATION DATE: JANUARY 12, 2022."
Stephanie J. Tuite 7/15/20
 STEPHANIE J. TUITE, RLA, P.E., LEED AP BC&D
 DATE

DATE	DESCRIPTION
7/15/20	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
9/1/20	Chief, Division of Land Development
8-27-20	Chief, Development Engineering Division
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
8/12/2020	Chief, Bureau of Highways

PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 9020 MENDENHALL COURT
 SUITE 'C'
 COLUMBIA, MARYLAND 21045
 Attention: DANIEL LUBELEY
 410-313-6805

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 No. 38386
Stephanie J. Tuite 7/15/20

PLAN

SCALE: 1" = 100'
 0' 100' 200' 300'

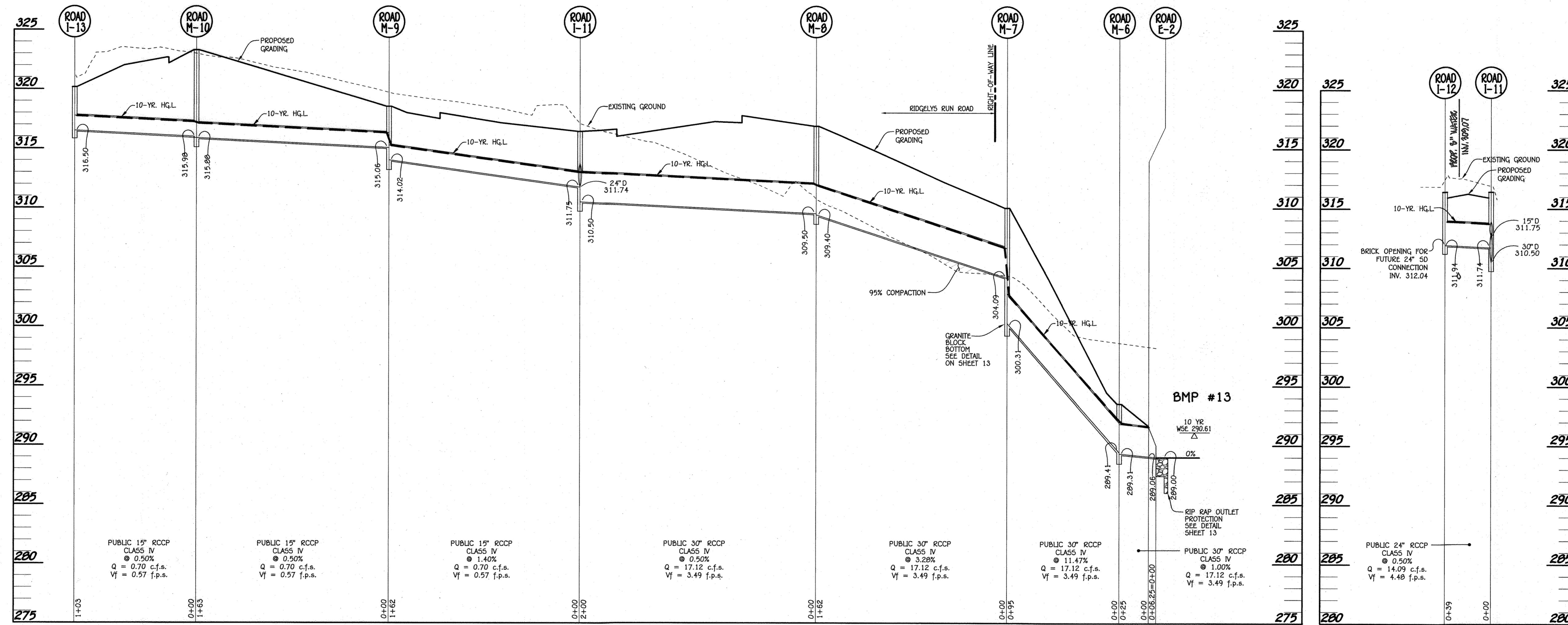
SCALE: 1" = 100'

PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
18 & 24	13 & 19	R-12
		RSC MXD-3
		ESA-2 MXD-3
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	

SOILS AND STORM DRAINAGE AREA MAP

HIGH SCHOOL #13

ZONED: R-5C MXD-3, R-5A-8 MXD-3 AND R-12
 PARCEL Nos.: 102, 349, 235
 TAX MAP No.: 42 & 43 GRID No.: 24 & 19
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' DATE: JUNE, 2020
 SHEET 8 OF 25



STORM DRAIN PROFILE

SCALE: HORIZ : 1" = 50'
VERT. : 1" = 5'

STORM DRAIN PROFILE

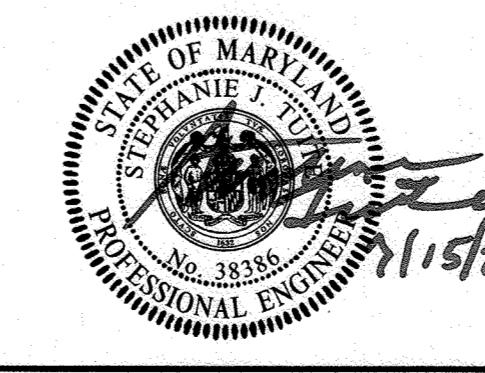
SCALE: HORIZ : 1" = 50'
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Stephanie J. Tuite
STEPHANIE J. TUITE, R.L.A. P.E., LEED AP BC&O
7/15/20
DATE

DATE	7/12/21	DESCRIPTION	REVISED PROFILE I-12 TO I-11
REVISION BLOCK			
APPROVED: DEPARTMENT OF PLANNING AND ZONING			
Chief, Division of Land Development	<i>[Signature]</i>	9/1/2020	Date
Chief, Development Engineering Division	<i>[Signature]</i>	8/27/20	Date
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS			
Chief, Bureau Of Highways	<i>[Signature]</i>	8/12/2020	Date

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
SUITE 'C'
COLUMBIA, MARYLAND 21045
Attention: DANIEL LUBELEY
410-313-6805



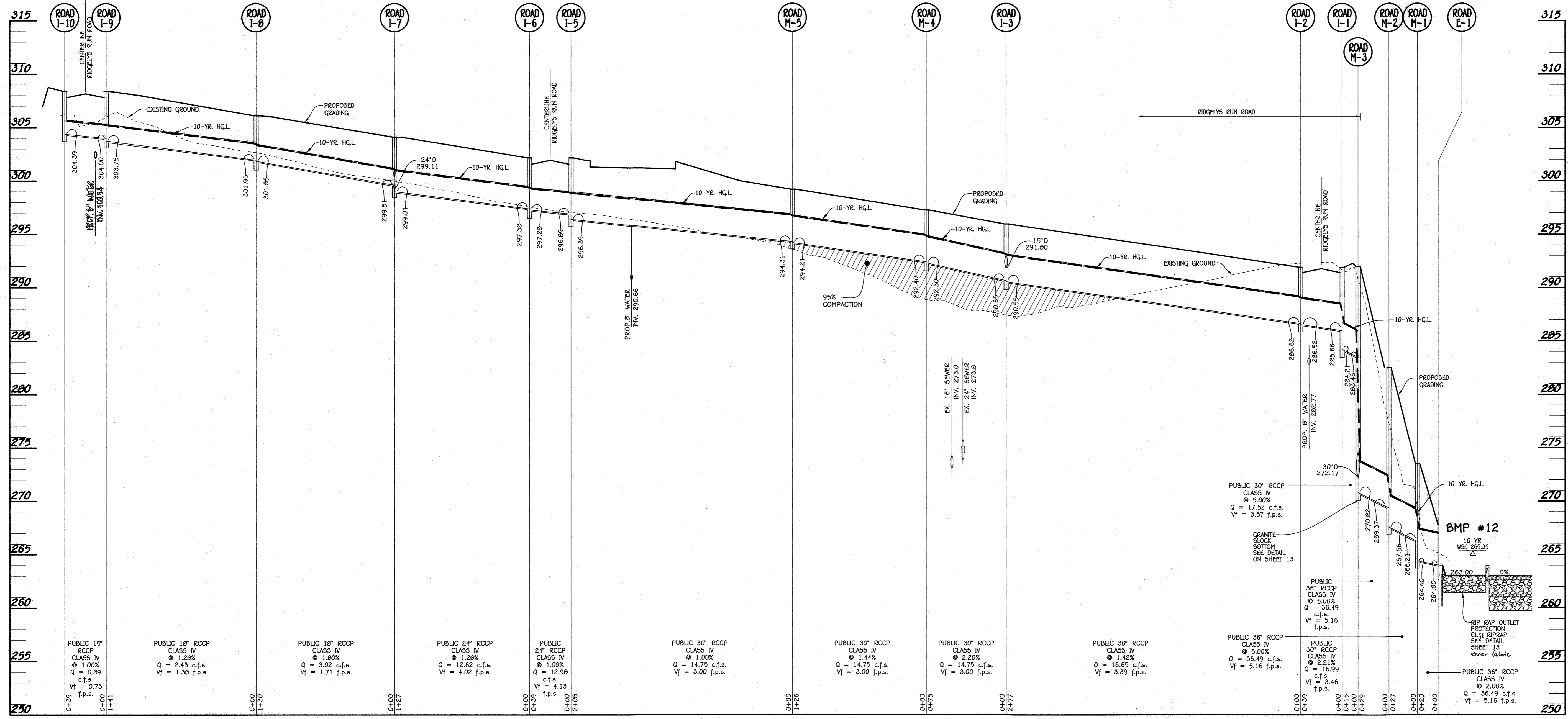
PROJECT	HIGH SCHOOL #13		SECTION/AREA	N/A	PARCEL	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.	
	18 & 24 13 & 19	R-12 R5C MXD-3 R5A-B MXD-3	42 & 43	SIXTH	606901	
WATER CODE	---		SEWER CODE	---		

STORM DRAIN PROFILES

HIGH SCHOOL #13

ZONED: R-5C MXD-3, R-5A-B MXD-3 AND R-12
PARCEL Nos.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 9 OF 25

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2995



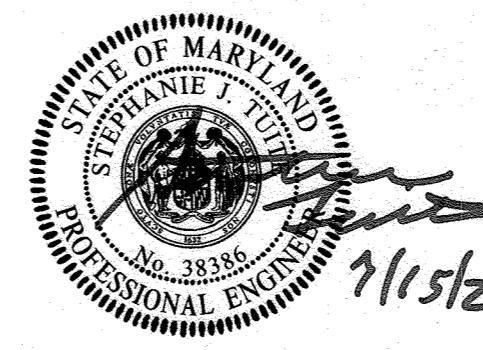
STORM DRAIN PROFILE
 SCALE: HORIZ. : 1" = 50'
 VERT. : 1" = 5'

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Stephanie J. Tuite
 STEPHANIE J. TUITE, RIA, P.E., LEED AP BC&D
 DATE: 7/15/20

DATE	DESCRIPTION
2/23/21	REVISION: RIPRAP CLASSIFICATION, APPROVED WATER CROSSING
REVISION BLOCK	
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development	9/12/2020
Chief, Development Engineering Division	8-27-20
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
Chief, Bureau Of Highways	8/12/2020

PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 9020 MENDENHALL COURT
 SUITE 'C'
 COLUMBIA, MARYLAND 21045
 Attention: DANIEL LUBELEY
 410-313-6805



PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
-	18 & 24	R-12
-	13 & 19	ESC MXD-3
-	-	RSA-0 MXD-3
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	
-	-	

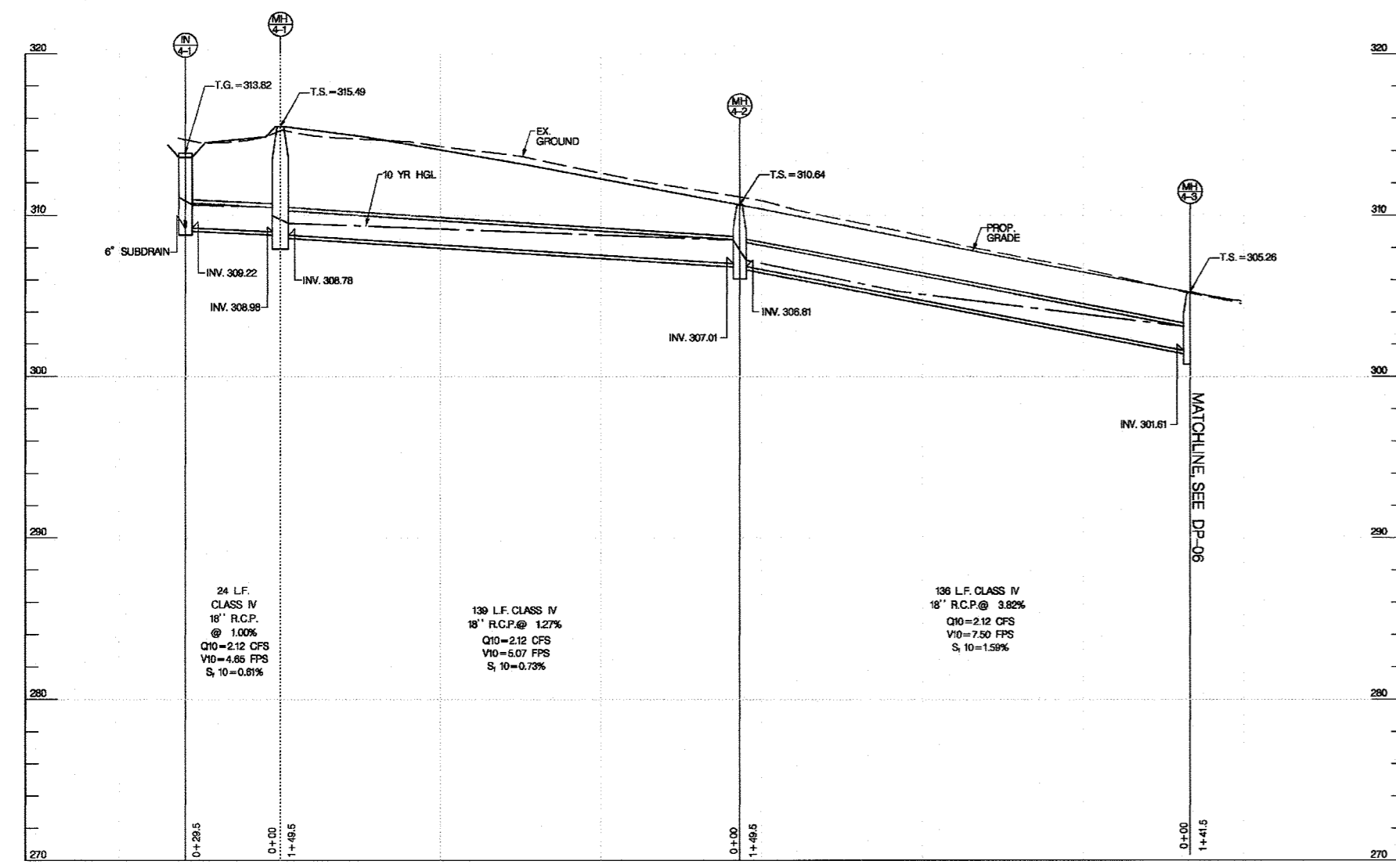
STORM DRAIN PROFILES

HIGH SCHOOL #13

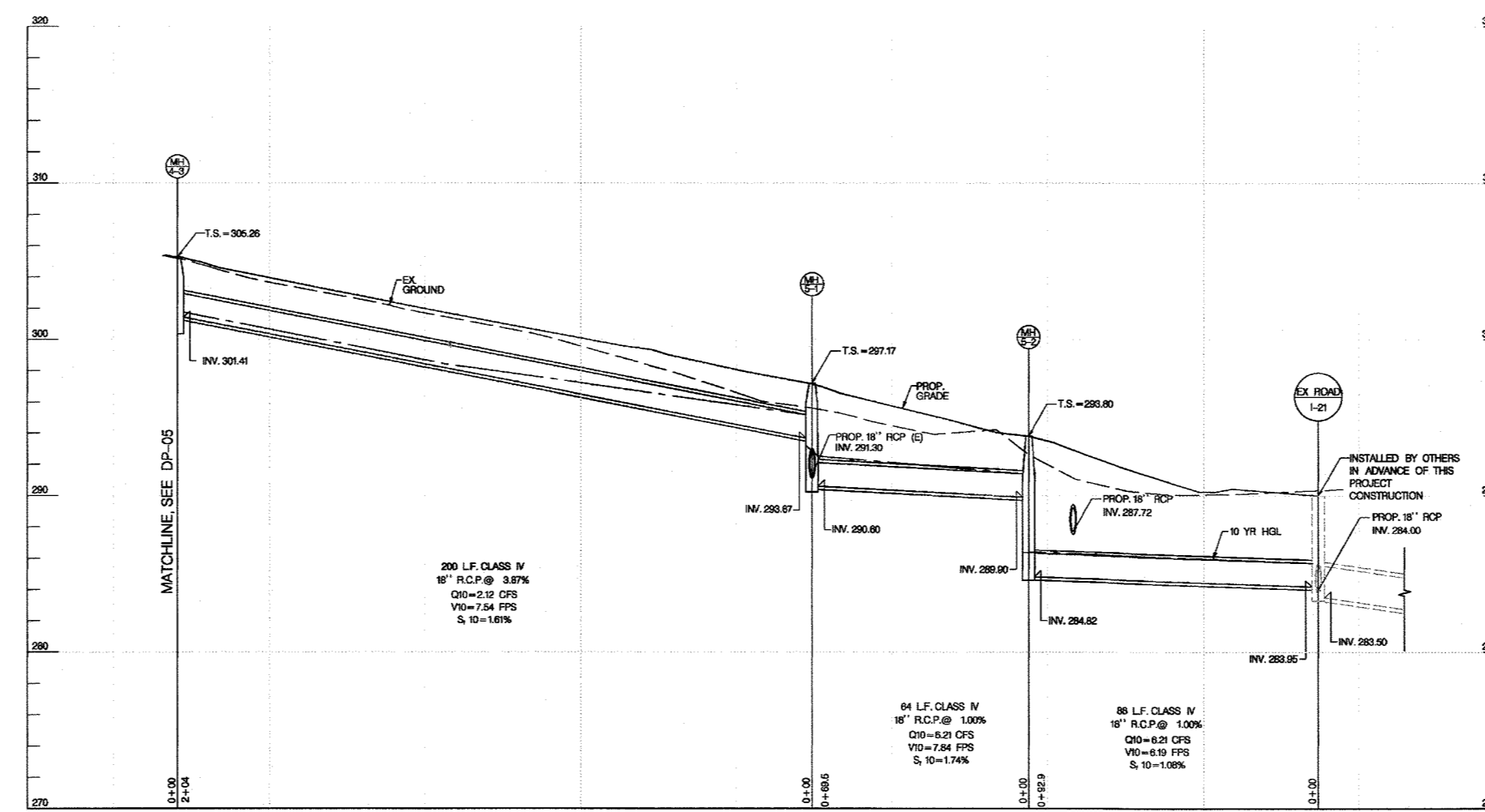
ZONED: R-5C MXD-3, R-5A-0 MXD-3 AND R-12
 PARCEL Nos.: 102, 349, 235
 TAX MAP No.: 42 & 43 GRID No.: 24 & 19
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: JUNE, 2020
 SHEET 10 OF 25

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLSWORTH CITY, MARYLAND 21042
 (410) 461-2899

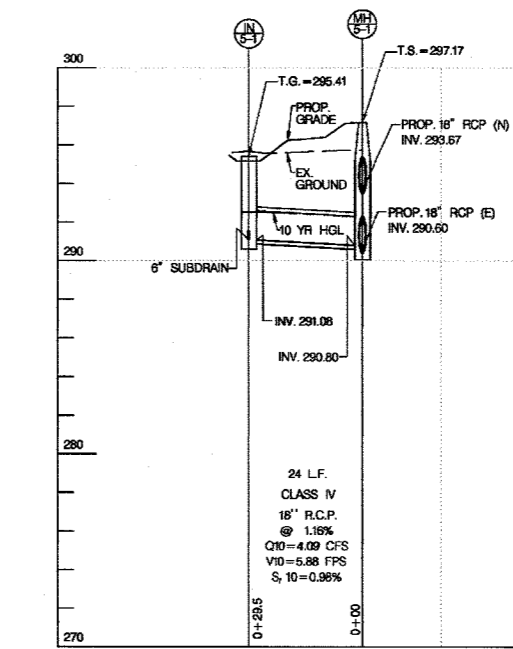
OFF-SITE STORM DRAIN SYSTEM NOT IN CONTRACT (SEE CAPITAL PROJECT #W0262)



RIDGELYS RUN ROAD
STA. 14+28.6 RT TO STA. 17+30 RT
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 10'



RIDGELYS RUN ROAD
STA. 17+30 RT TO STA. 20+71 RT
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 10'



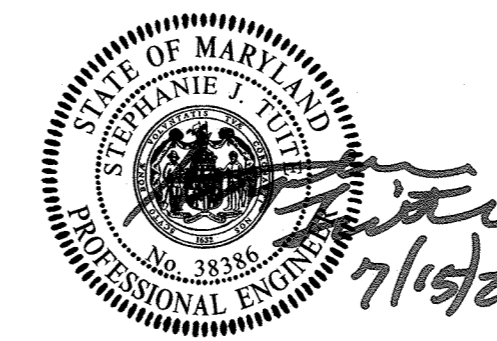
RIDGELYS RUN ROAD
STA. 20+71 RT TO STA. 21+50 RT
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 10'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CONTINENTAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
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Stephanie J. Tuite 7/15/20
STEPHANIE J. TUITE, RIA, P.E., LEED AP BC&O
DATE

DATE	DESCRIPTION
	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development <i>MC</i>	9/16/2020 Date
Chief, Development Engineering Division	8/27/20 Date
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
Chief, Bureau Of Highways <i>MK</i>	8/12/2020 Date

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
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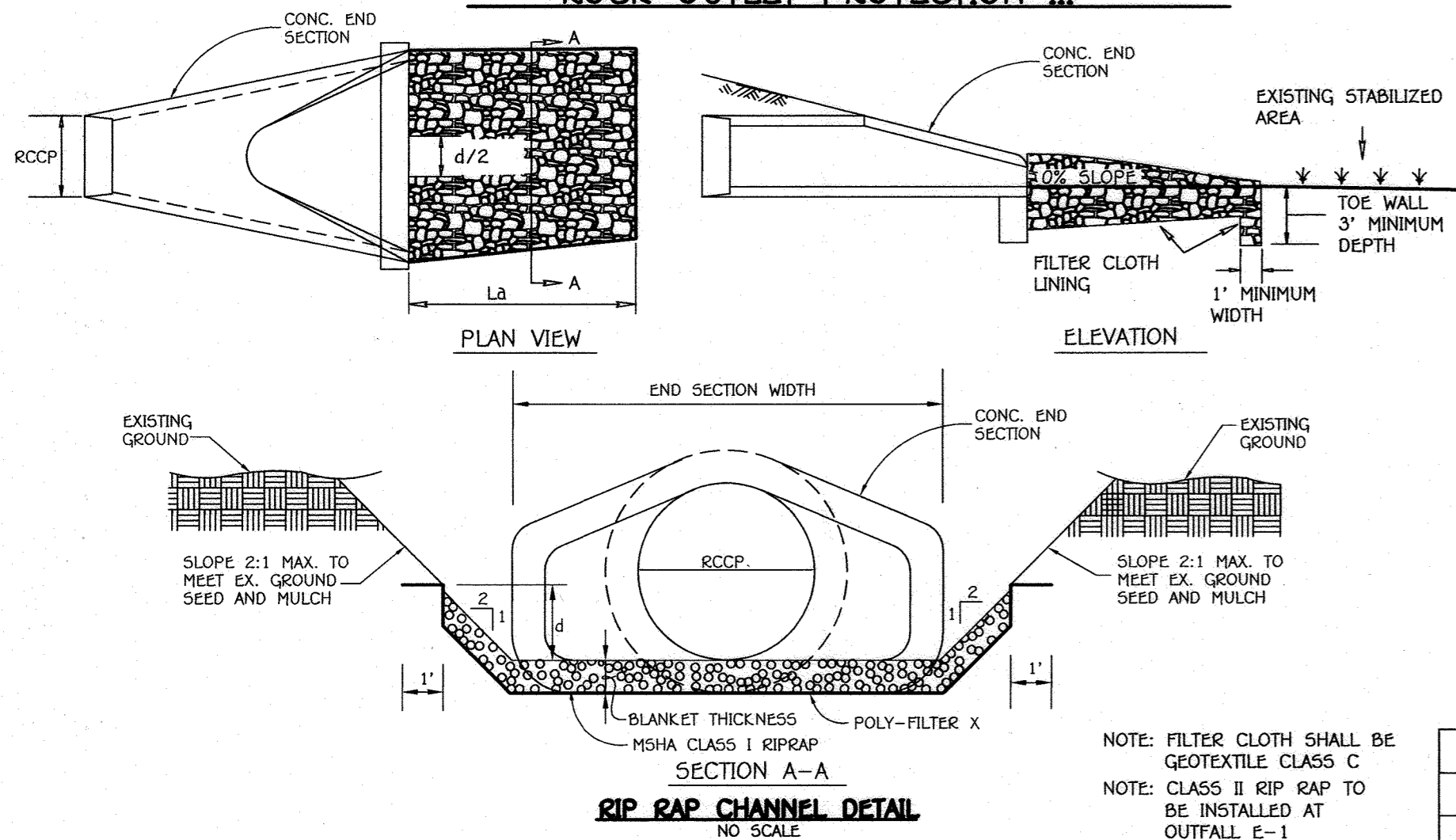
PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
-	18 & 24 13 & 19	6-12 RSC MXD-3 RSA-0 MXD-3
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	
----	----	

CONT# W0262 STORM DRAIN PROFILES

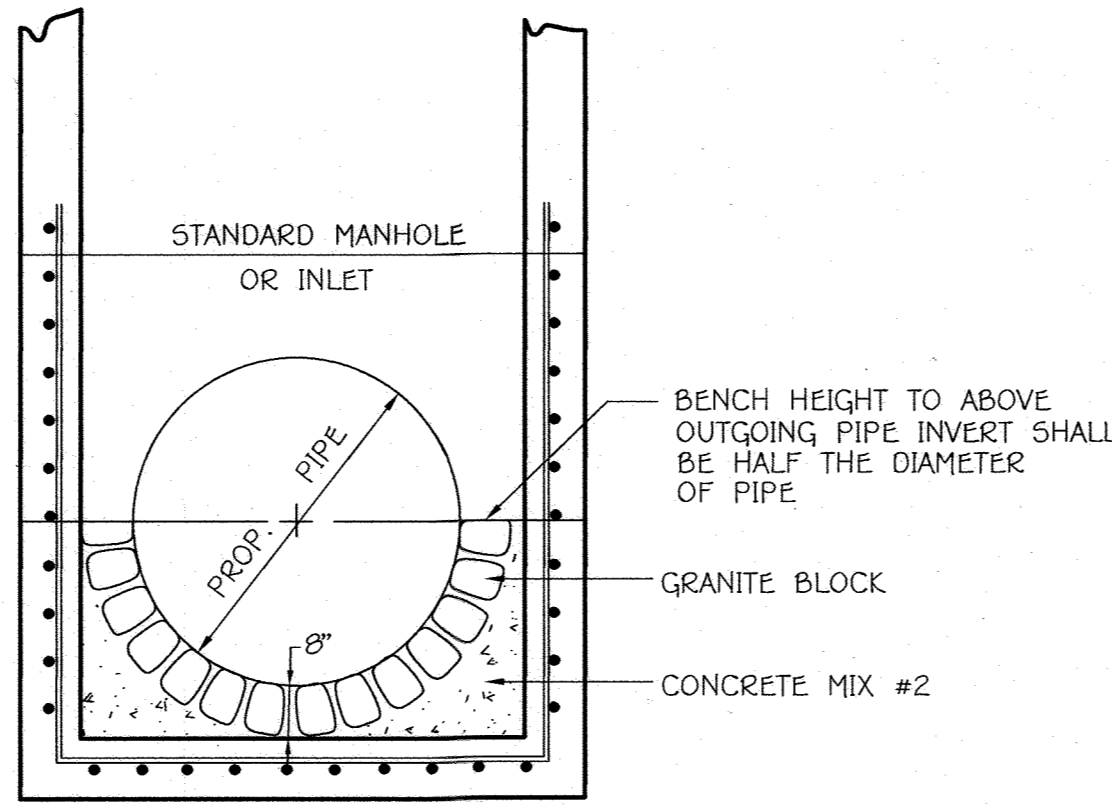
HIGH SCHOOL #13

ZONED: R-5C MXD-3, R-5A-0 MXD-3 AND R-12
PARCEL Nos.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 12 OF 25

ROCK OUTLET PROTECTION III



GRANITE BLOCK DETAIL
NOT TO SCALE



RIPRAP OUTFALL TABLE

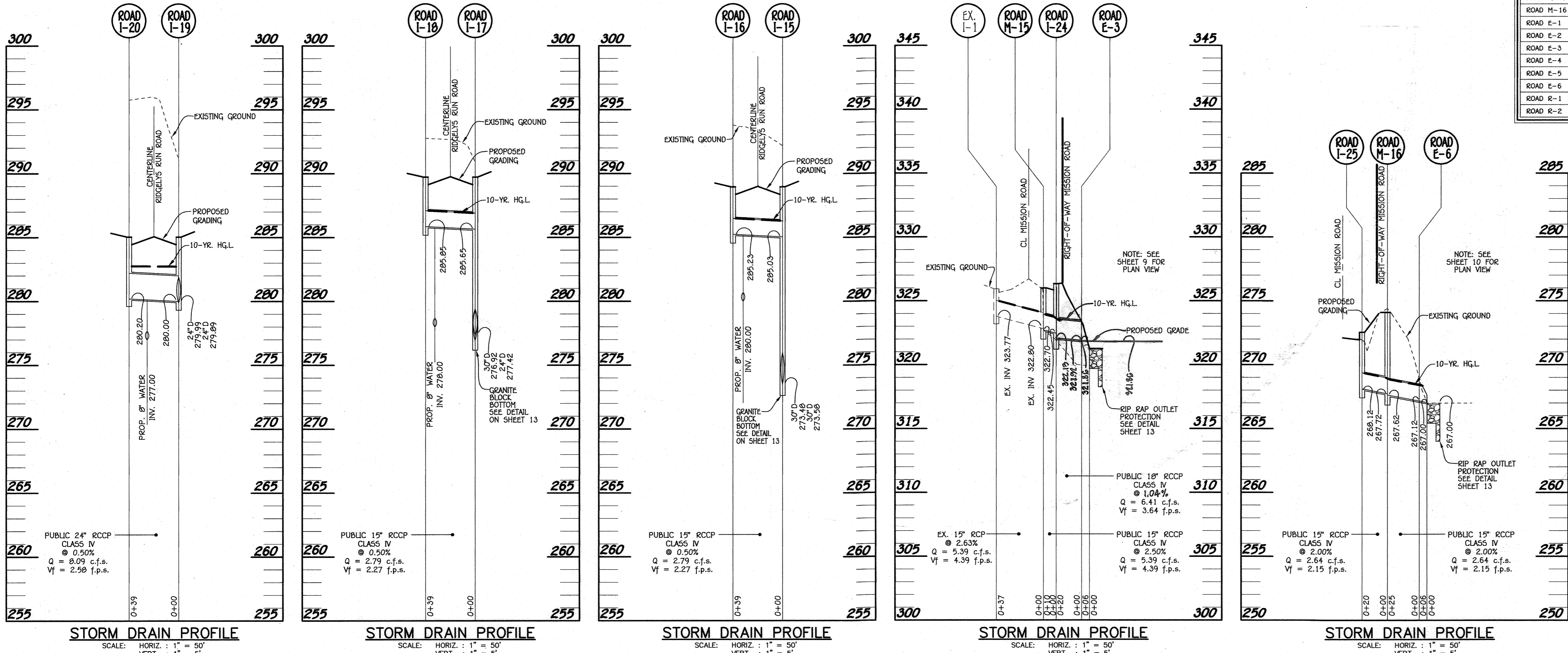
STR. NO.	APRON LENGTH (L _a)	APRON WIDTH	APRON THICKNESS	MAX. STONE DIAMETER	STR. NO.	APRON LENGTH (L _a)	APRON WIDTH	APRON THICKNESS	MAX. STONE DIAMETER
HS13 E-1	15'	10'	19"	9.5"	ROAD E-1	33'	19'	19"	9.5"
HS13 E-2	15'	10'	19"	9.5"	ROAD E-2	14'	16'	19"	9.5"
HS13 E-3	9'	15'	19"	9.5"	ROAD E-3	12'	10'	19"	9.5"
HS13 E-4	15'	10'	19"	9.5"	ROAD E-4	30'	15'	19"	9.5"
HS13 E-5	17'	11'	19"	9.5"	ROAD E-5	16'	20'	19"	9.5"
HS13 E-6	15'	20'	19"	9.5"	ROAD E-6	12'	10'	19"	9.5"
HS13 E-7	17'	22'	19"	9.5"					
HS13 E-8	10'	11'	19"	9.5"					
HS13 R-9	26'	15'	19"	9.5"					
HS13 TREN	10'	10'	19"	9.5"					

CONSTRUCTION SPECIFICATIONS FOR RIP-RAP OUTFALLS

- THE SUBGRADE FOR THE FILTER, RIPRAP OR GABION SHALL BE PREPARED TO THE REQUIRED LINES AND GRADES. ANY FILL REQUIRED IN THE SUBGRADE SHALL BE COMPACTED TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
- THE ROCK OR GRAVEL SHALL CONFORM TO THE SPECIFIED GRADING LIMITS WHEN INSTALLED RESPECTIVELY IN THE RIPRAP OR FILTER.
- FILTER CLOTH SHALL BE PROTECTED FROM PUNCHING, CUTTING OR TEARING. ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE SHALL BE REPAIRED BY PLACING ANOTHER PIECE OF CLOTH OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE CLOTH. ALL OVERLAPS WHETHER FOR REPAIRS OR FOR JOINING TWO PIECES OF CLOTH SHALL BE A MINIMUM OF ONE FOOT.
- STONE FOR THE RIPRAP OR GABION OUTFALLS MAY BE PLACED BY EQUIPMENT. BOTH SHALL EACH BE CONSTRUCTED TO THE FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. THE STONE FOR RIPRAP OR GABION OUTFALLS SHALL BE DELIVERED AND PLACED IN A MANNER THAT WILL INSURE THAT IT IS REASONABLY HOMOGENEOUS WITH THE SMALLER STONES AND SPALLS FILLING THE Voids BETWEEN THE LARGER STONES. RIPRAP SHALL BE PLACED IN A MANNER TO PREVENT DAMAGE TO THE FILTER BLANKET OR FILTER CLOTH. HAND PLACEMENT WILL BE REQUIRED TO THE EXTENT NECESSARY TO PREVENT DAMAGE TO THE PERMANENT WORKS.

STRUCTURE SCHEDULE

STRUCTURE NO.	OWNERSHIP AND MAINTENANCE	TOP ELEVATION	INV. IN	INV. OUT	COORDINATES	WIDTH	TYPE	REMARKS
ROAD I-1	PUBLIC	291.91	295.66 (30')	284.21 (30')	← STA. 10+80 LEFT 10'	2.50'	A-10 INLET	D-4.03
ROAD I-2	PUBLIC	291.91	286.62 (30')	286.52 (30')	← STA. 10+80 RIGHT 10'	3.50'	A-10 INLET	D-4.03
ROAD I-3	PUBLIC	295.96	291.80 (15')	290.65 (30')	← STA. 16+00 RIGHT 10'	3.50'	A-10 INLET	D-4.03
ROAD I-4	PUBLIC	295.96	292.00 (15')	292.00 (15')	← STA. 16+00 LEFT 10'	2.50'	A-10 INLET	D-4.03
ROAD I-5	PUBLIC	302.17	296.89 (24')	296.39 (30')	← STA. 11+72 RIGHT 10'	3.50'	A-10 INLET	D-4.03
ROAD I-6	PUBLIC	302.17	297.38 (24')	297.28 (24')	← STA. 11+72 LEFT 10'	2.50'	A-5 INLET	D-4.02
ROAD I-7	PUBLIC	304.11	299.51 (18')	299.11 (24')	← STA. 10+38 LEFT 10'	2.50'	A-5 INLET	D-4.02
ROAD I-8	PUBLIC	306.11	301.95 (18')	301.85 (18')	← STA. 9+00 LEFT 10'	2.50'	A-5 INLET	D-4.02
ROAD I-9	PUBLIC	308.40	304.00 (15')	303.75 (18')	← STA. 7+50 LEFT 10'	2.50'	A-10 INLET	D-4.03
ROAD I-10	PUBLIC	308.40	-	304.39 (15')	← STA. 7+50 RIGHT 10'	2.50'	A-10 INLET	D-4.03
ROAD I-11	PUBLIC	316.44	311.75 (15')	311.74 (24')	← STA. 3+64 RIGHT 10'	3.50'	A-5 INLET	D-4.02
ROAD I-12	PUBLIC	316.44	-	311.94 (24')	← STA. 3+64 LEFT 10'	2.50'	A-10 INLET	D-4.03
ROAD I-13	PUBLIC	320.17	-	316.50 (15')	N 543,491.36 E 1,365,172.65	2.50'	A-5 INLET	D-4.02
ROAD I-14	PRIVATE	313.88	309.69 (24')	306.24 (24')	N 542,898.48 E 1,365,766.80	2.50'	DBL 5 INLET	D-4.25
ROAD I-15	PUBLIC	288.95	285.03 (15')	273.48 (30')	← STA. 21+13.73 LEFT 10'	4.00'	A-5 INLET	D-4.02
ROAD I-16	PUBLIC	288.95	-	285.23 (15')	← STA. 21+13.73 RIGHT 10'	2.50'	A-5 INLET	D-4.02
ROAD I-17	PUBLIC	289.72	285.65 (15')	277.42 (24')	← STA. 27+34 LEFT 10'	3.50'	A-10 INLET	D-4.03
ROAD I-18	PUBLIC	289.72	-	285.85 (15')	← STA. 27+34 RIGHT 10'	2.50'	A-10 INLET	D-4.03
ROAD I-19	PUBLIC	285.04	279.99 (24')	280.00 (24')	← STA. 32+01.81 LEFT 10'	2.50'	A-5 INLET	D-4.02
ROAD I-20	PUBLIC	285.04	-	280.20 (24')	← STA. 32+01.81 RIGHT 10'	2.50'	A-10 INLET	D-4.03
ROAD I-21	PUBLIC	289.15	284.65 (18')	284.00 (18')	← STA. 33+87 LEFT 10'	2.50'	A-10 INLET	D-4.03
ROAD I-22	PUBLIC	289.15	285.11 (15')	284.86 (18')	← STA. 33+87 RIGHT 10'	2.50'	A-10 INLET	D-4.03
ROAD I-23	PRIVATE	292.00	-	288.75 (15')	N 541,386.45 E 1,366,899.82	2.50'	SINGLE WR INLET	D-4.32
ROAD I-24	PUBLIC	326.64	322.45 (15')	321.90 (18')	N 543,691.55 E 1,365,535.87	2.50'	A-5 INLET	D-4.02
ROAD I-25	PUBLIC	272.55	-	268.12 (15')	N 544,120.49 E 1,366,294.18	2.50'	A-10 INLET	D-4.03
ROAD M-1	PUBLIC	273.50	266.21 (36')	264.40 (36')	N 542,871.82 E 1,366,627.01	5'	STD. MANHOLE	G-5.13
ROAD M-2	PUBLIC	282.50	269.37 (36')	267.56 (36')	N 542,849.83 E 1,366,611.68	5'	STD. MANHOLE	G-5.13
ROAD M-3	PUBLIC	291.00	283.46 (30')	272.17 (30')	N 542,823.25 E 1,366,591.81	5'	STD. MANHOLE	G-5.13
ROAD M-4	PUBLIC	297.26	292.30 (30')	292.30 (30')	← STA. 15+20 RIGHT 21.3'	5'	STD. MANHOLE	G-5.13
ROAD M-5	PUBLIC	299.20	294.31 (30')	294.21 (30')	← STA. 13+86 RIGHT 21.6'	5'	STD. MANHOLE	G-5.13
ROAD M-6	PUBLIC	293.50	289.41 (30')	289.31 (30')	N 542,804.23 E 1,365,510.19	5'	STD. MANHOLE	G-5.13
ROAD M-7	PUBLIC	310.00	304.09 (30')	300.31 (30')	← STA. 7+07 RIGHT 37.24'	5'	STD. MANHOLE	G-5.13
ROAD M-8	PUBLIC	316.88	309.50 (30')	309.40 (30')	← STA. 7+58 RIGHT 29.0'	5'	STD. MANHOLE	G-5.13
ROAD M-9	PUBLIC	318.54	315.06 (15')	314.02 (15')	← STA. 2+00 RIGHT 10.4'	4'	STD. MANHOLE	G-5.12
ROAD M-10	PUBLIC	323.35	315.88 (15')	315.88 (15')	← STA. 0+95 RIGHT 9.0'	4'	STD. MANHOLE	G-5.12
ROAD M-11	PUBLIC	289.64	272.90 (30')	272.80 (30')	← STA. 20+02 LEFT 14.9'	5'	STD. MANHOLE	G-5.13
ROAD M-12	PUBLIC	289.23	274.07 (30')	273.97 (30')	← STA. 21+87 LEFT 14.9'	5'	STD. MANHOLE	G-5.13
ROAD M-13	PUBLIC	292.02	275.54 (30')	275.44 (30')	← STA. 24+99 LEFT 13.0'	5'	STD. MANHOLE	G-5.13
ROAD M-14	PUBLIC	286.53	279.12 (24')	279.12 (24')	← STA. 30+73 LEFT 23.2'	4'	STD. MANHOLE	G-5.12
ROAD M-15	PUBLIC	325.99	322.80 (EX. 15')	322.70 (15')	N 543,699.46 E 1,365,531.61	4'	STD. MANHOLE	G-5.12
ROAD M-16	PUBLIC	314.10	267.72 (15')	267.62 (15')	N 543,699.46 E 1,365,531.61	4'	STD. MANHOLE	G-5.12
ROAD E-1	PUBLIC	270.50	-	264.00 (16')	N 542,892.54 E 1,366,641.11	36"	TYPE 'X' HEADWALL	D-5.11
ROAD E-2	PUBLIC	291.56	-	289.00 (30')	N 542,782.74 E 1,365,522.86	30"	CONC. END SECTION	D-5.51
ROAD E-3	PUBLIC	313.44	-	311.86 (16')	N 543,672.88 E 1,365,546.43	18"	CONC. END SECTION	D-5.51
ROAD E-4	PRIVATE	285.10	-	258.50 (48')	N 543,081.10 E 1,366,543.41	48"	CONC. END SECTION	D-5.51
ROAD E-5	PRIVATE	287.47	-	284.90 (30')	N 542,850.49 E 1,365,663.63	30"	CONC. END SECTION	D-5.51
ROAD E-6	PUBLIC	288.37	-	267.00 (15')	N 544,091.01 E 1,366,328.02	15"	CONC. END SECTION	D-5.51
ROAD R-1	PRIVATE	287.60	282.10 (8')	258.70 (48')	N 543,054.80 E 1,366,525.92	-	-	SOP-19-066 SHEET 79
ROAD R-2	PRIVATE	292.50	285.75 (4')	285.65 (30')	N 542,719.17 E 1,365,660.00	3'x3.5'	MODIFIED 'C' INLET	SOP-19-066 SHEET 68



PIPE SCHEDULE (PRIVATE)

SIZE	CLASS	LENGTH
15"	RCCP, CLASS IV	659 L.F.
18"	RCCP, CLASS IV	298 L.F.
24"	RCCP, CLASS IV	1192 L.F.
30"	RCCP, CLASS IV	2021 L.F.
36"	RCCP, CLASS IV	62 L.F.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21142
(410) 461-2895

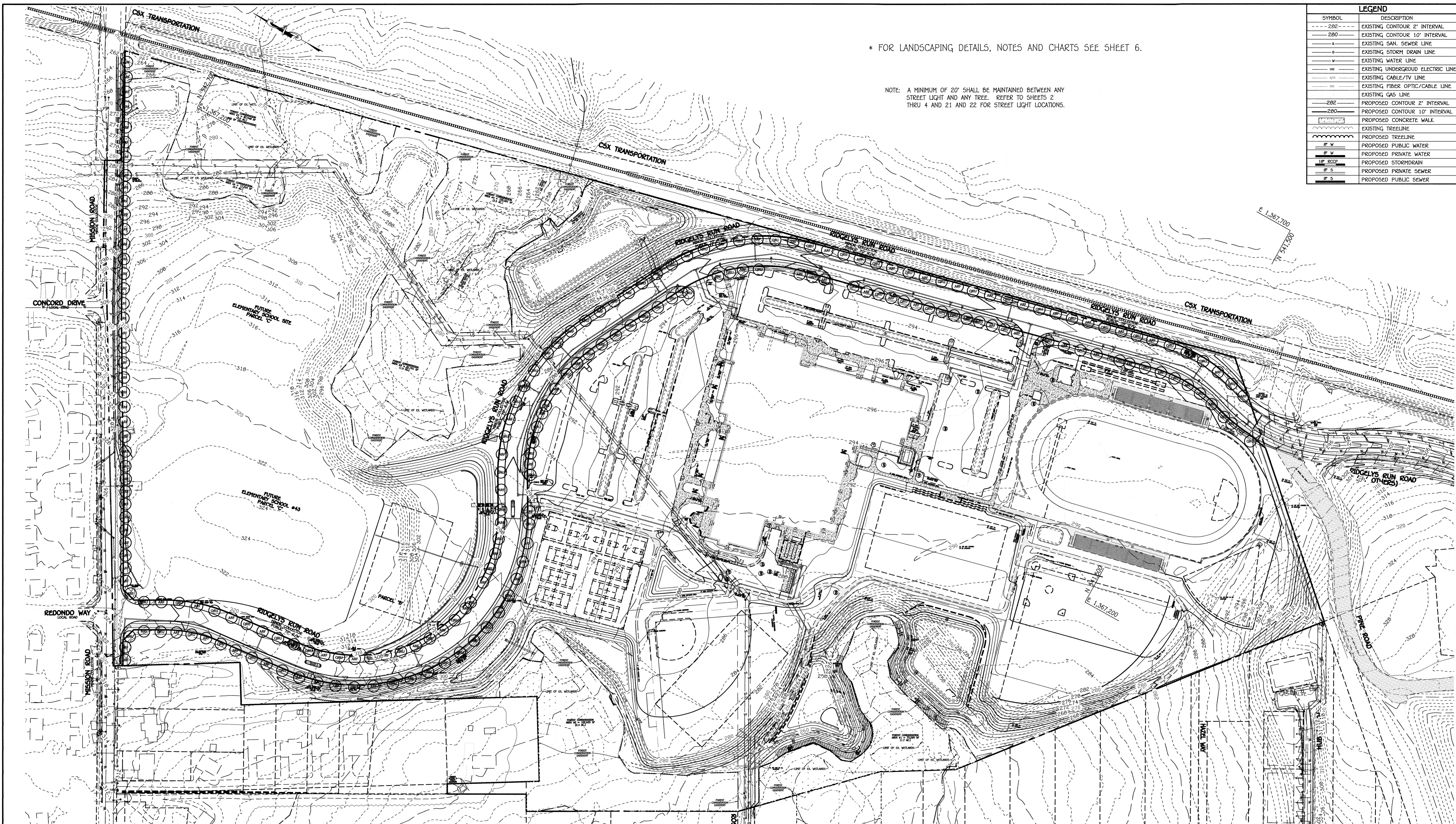
*PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 38386, EXPIRATION DATE: JANUARY 12, 2022.
Stephanie J. Tuite
STEPHANIE J. TUITE, RLA, P.E., LEED AP BC&D
DATE: 7/15/20

PREPARED FOR:
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
SUITE 'C'
COLUMBIA, MARYLAND 21045
Attention: DANIEL LUBELEY
410-313-6805

STORM DRAIN DETAILS AND STRUCTURE SCHEDULE

HIGH SCHOOL #13

ZONED: R-5C MXD-3, R-5A-B MXD-3 AND R-12
PARCEL Nos.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 13 OF 25



* FOR LANDSCAPING DETAILS, NOTES AND CHARTS SEE SHEET 6.

NOTE: A MINIMUM OF 20' SHALL BE MAINTAINED BETWEEN ANY STREET LIGHT AND ANY TREE. REFER TO SHEETS 2 THRU 4 AND 21 AND 22 FOR STREET LIGHT LOCATIONS.

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
S	EXISTING SAN. SEWER LINE
D	EXISTING STORM DRAIN LINE
W	EXISTING WATER LINE
VE	EXISTING UNDERGROUND ELECTRIC LINE
CV	EXISTING CABLE/TV LINE
FO	EXISTING FIBER OPTIC/CABLE LINE
---	EXISTING GAS LINE
-2B2	PROPOSED CONTOUR 2' INTERVAL
-2B0	PROPOSED CONTOUR 10' INTERVAL
---	PROPOSED CONCRETE WALK
---	EXISTING TREELINE
---	PROPOSED TREELINE
P.W.	PROPOSED PUBLIC WATER
P.P.W.	PROPOSED PRIVATE WATER
SP	PROPOSED STORMDRAIN
P.S.	PROPOSED PRIVATE SEWER
P.P.S.	PROPOSED PUBLIC SEWER

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10772 WALTHAM NATIONAL PARK
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2899

DEVELOPER'S / BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

NAME: Stephanie J. Tuitt DATE: 7/16/20

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 38386, EXPIRATION DATE: JANUARY 12, 2022."

Stephanie J. Tuitt 7/16/20
 STEPHANIE J. TUITT, R.L.A. P.E., LEED AP BC&O DATE

DATE: _____ DESCRIPTION: _____ REVISION BLOCK: _____

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Division of Land Development 7/16/20
 Date
 Chief, Development Engineering Division 8-27-20
 Date
 APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways 8/12/2020
 Date

PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 9020 MENDENHALL COURT
 SUITE 'C'
 COLUMBIA, MARYLAND 21045
 Attention: DANIEL LUBELEY
 410-313-6805

STATE OF MARYLAND
 STEPHANIE J. TUITT
 PROFESSIONAL ENGINEER
 No. 38386
 7/15/20

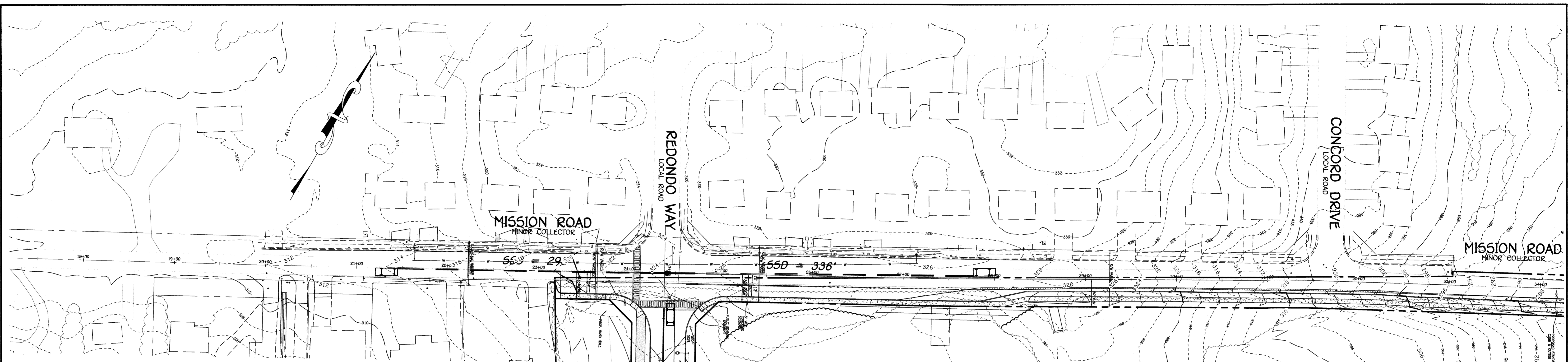
PLAN
 SCALE: 1" = 100'
 0' 100' 200' 300'

SCALE: 1" = 100'

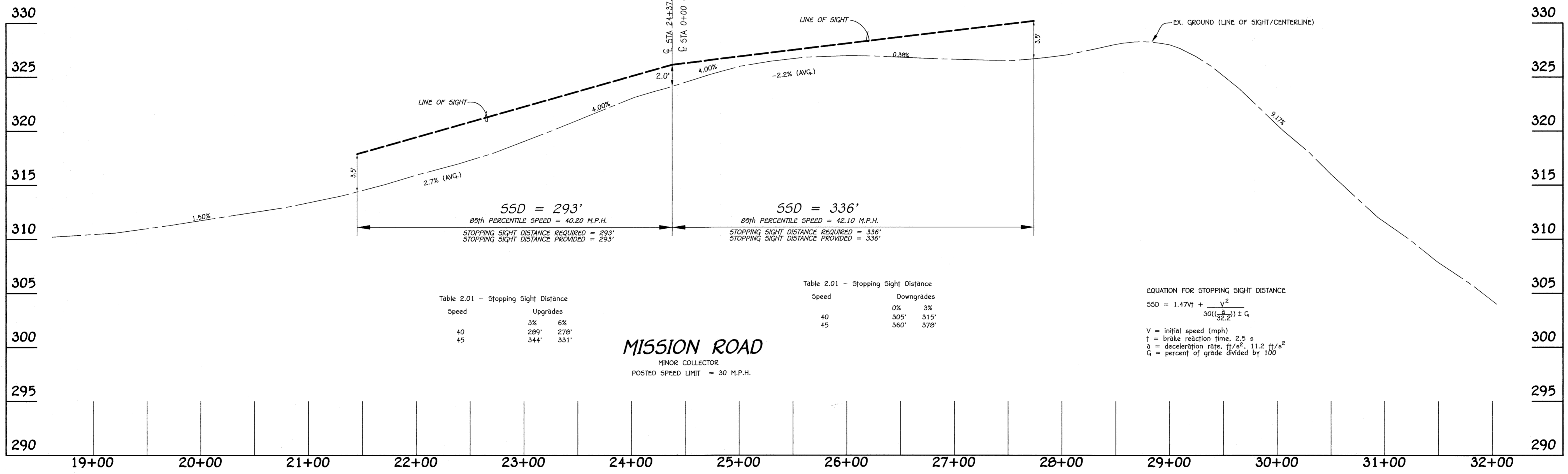
PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
	18 & 24	R-12
	13 & 19	RSC MXD-3 (SA-2 MXD-3)
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	

LANDSCAPE PLAN
HIGH SCHOOL #13

ZONED: R-5C MXD-3, R-5A-B MXD-3 AND R-12
 PARCEL Nos.: 102, 349, 235
 TAX MAP No.: 42 & 43 GRID No.: 24 & 19
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' DATE: JUNE, 2020
 SHEET 14 OF 25



PLAN
SCALE: 1" = 50'



PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTONIAL SQUARE OFFICE PARK - 10712 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2222

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 38386, EXPIRATION DATE: JANUARY 12, 2022."
Stephanie J. Tuite
STEPHANIE J. TUITE, RLA, P.E., LEED AP BC&D
4/15/20
DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Chief, Division of Land Development
Chief, Development Engineering Division
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Chief, Bureau of Highways

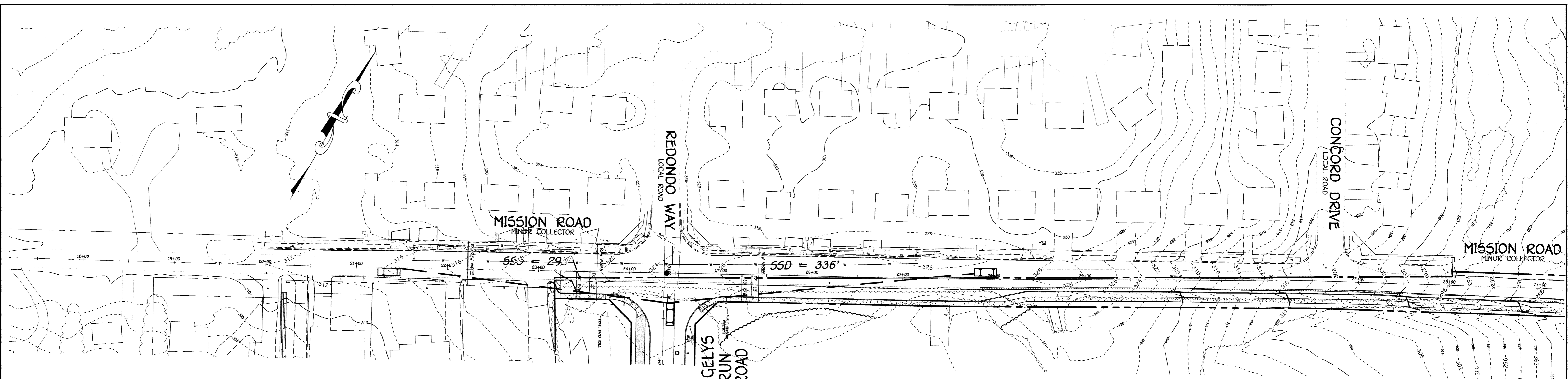
PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
SUITE 'C'
COLUMBIA, MARYLAND 21045
Attention: DANIEL LUBELEY
410-313-6805

PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
-	18 & 24	R-12
-	13 & 19	RSC MXD-3 RGA-P MXD-3
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	
-	-	

STOPPING SIGHT DISTANCE ALONG CENTERLINE MISSION ROAD PLAN AND PROFILE

HIGH SCHOOL #13

ZONED: R-5C MXD-3, R-5A-B MXD-3 AND R-12
PARCEL Nos.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 15 OF 25



PLAN
SCALE: 1" = 50'

EQUATION FOR STOPPING SIGHT DISTANCE

$$SSD = 1.47vt + \frac{v^2}{30\left(\frac{a}{3.28} + G\right)}$$

V = initial speed (mph)
t = brake reaction time, 2.5 s
a = deceleration rate, ft/s², 11.2 ft/s²
G = percent of grade divided by 100

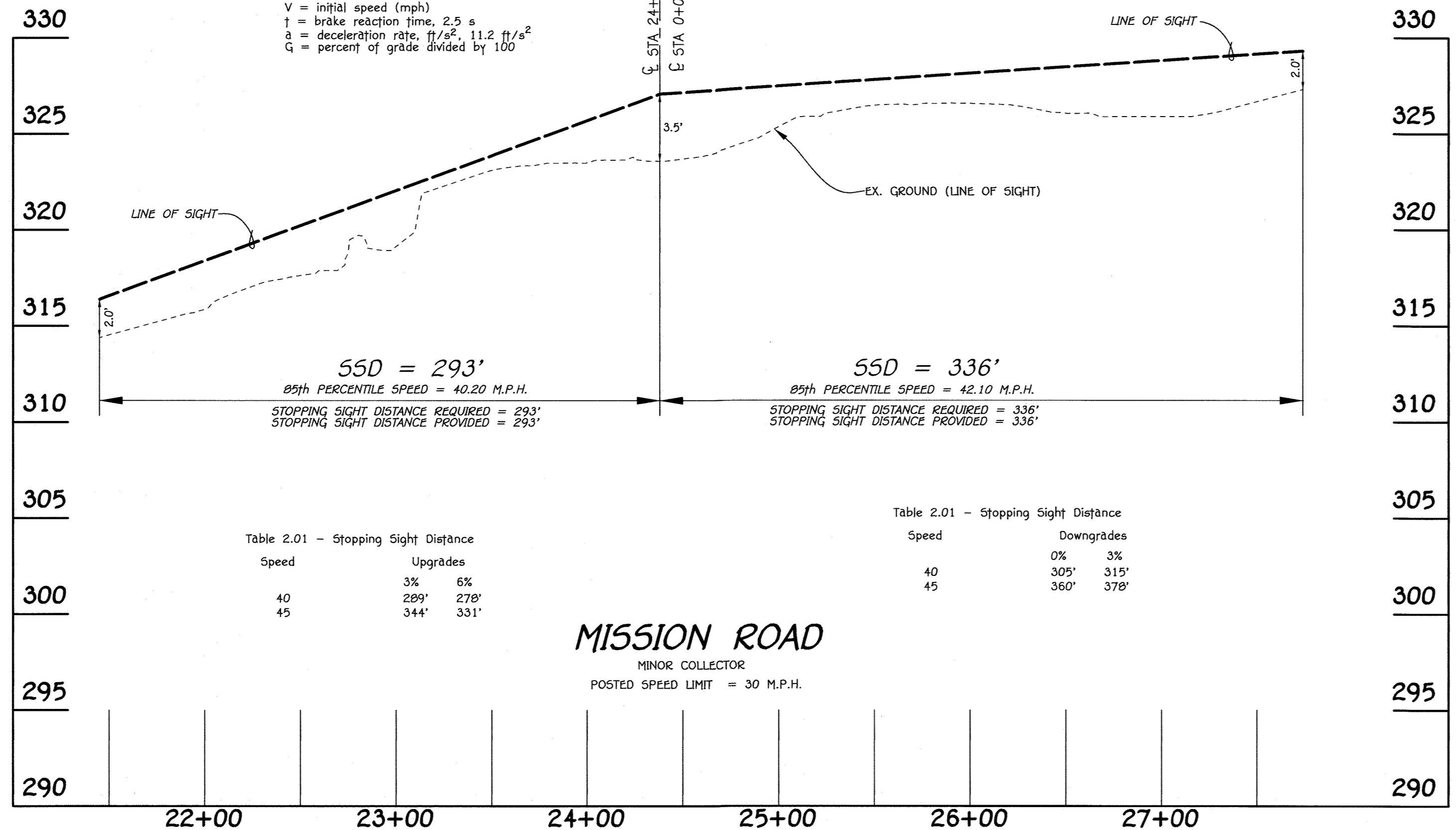


Table 2.01 - Stopping Sight Distance

Speed	Upgrades	
	3%	6%
40	289'	278'
45	344'	331'

Table 2.01 - Stopping Sight Distance

Speed	Downgrades	
	0%	3%
40	305'	315'
45	360'	378'

MISSION ROAD
MINOR COLLECTOR
POSTED SPEED LIMIT = 30 M.P.H.

PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'
SCALE: 1" = 50'

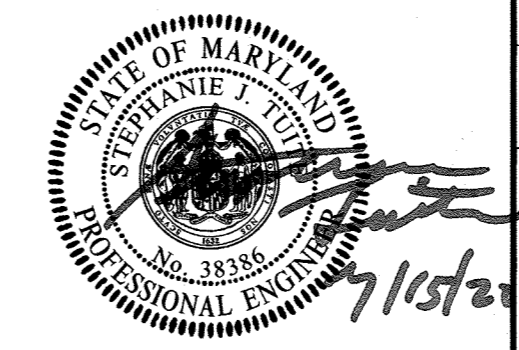
FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2899

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 38386, EXPIRATION DATE: JANUARY 12, 2022."

Stephanie J. Tuite 9/15/20
STEPHANIE J. TUITE, R.L.A., P.E., LEED AP BC&D
DATE

DATE	DESCRIPTION
	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development	9/15/20 Date
Chief, Development Engineering Division	8/27/20 Date
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
Chief, Bureau of Highways	8/12/20 Date

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
SUITE 'C'
COLUMBIA, MARYLAND 21045
Attention: DANIEL LUBELEY
410-313-6805

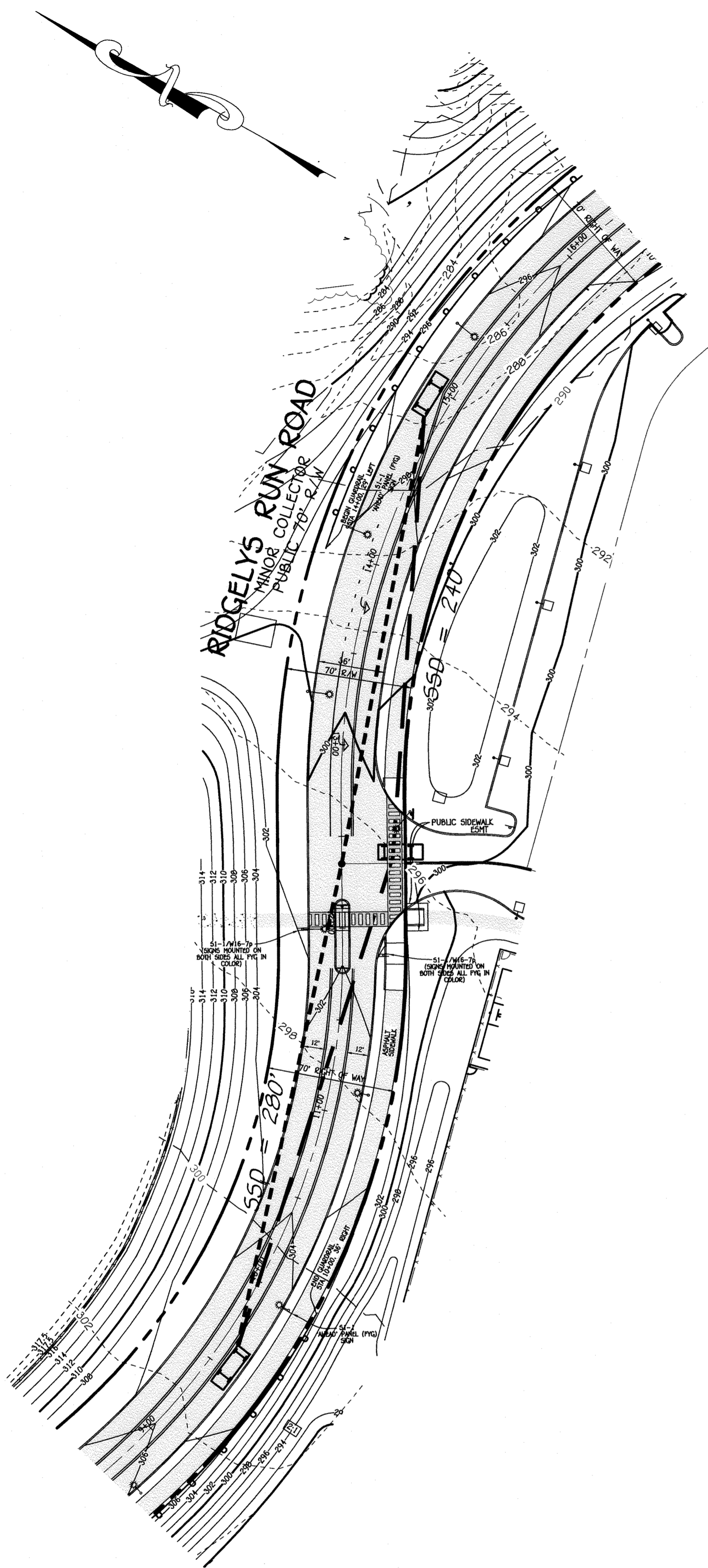


PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
	18 & 24	R-12
	13 & 19	RSA-MXD-3
		RSA-R MXD-3
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	

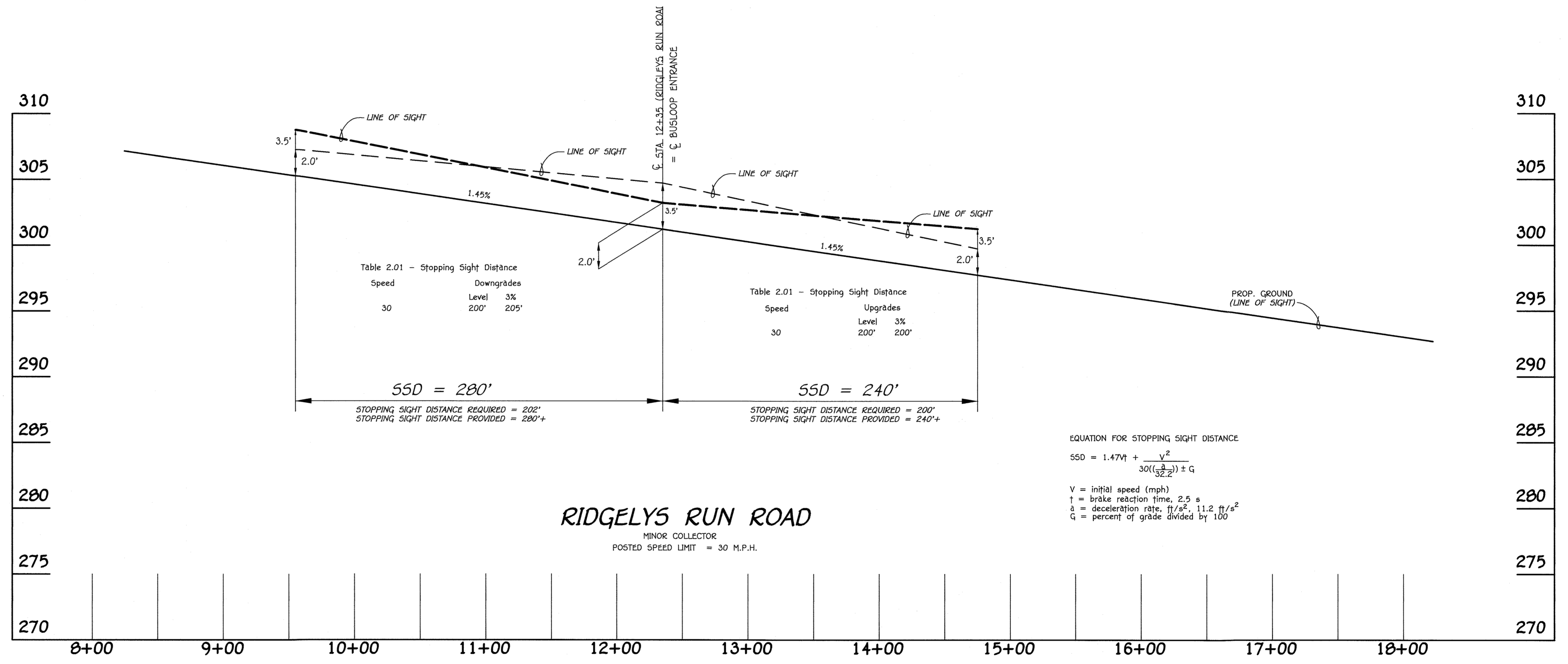
STOPPING SIGHT DISTANCE FOR CAR ENTERING ROADWAY
MISSION ROAD PLAN AND PROFILE

HIGH SCHOOL #13

ZONED: R-5C MXD-3, R-5A-B MXD-3 AND R-12
PARCEL Nos.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 16 OF 25



PLAN
SCALE: 1" = 50'



EQUATION FOR STOPPING SIGHT DISTANCE

$$SSD = 1.47Vt + \frac{V^2}{30\left(\frac{a}{32.2}\right) \pm G}$$

V = initial speed (mph)
t = brake reaction time, 2.5 s
a = deceleration rate, ft/s², 11.2 ft/s²
G = percent of grade divided by 100

PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'
SCALE: 1" = 50'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2895

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Stephanie J. Tuite 7/15/20
STEPHANIE J. TUITE, RIA, P.E., LEED AP BC&D
DATE

DATE	DESCRIPTION
7/15/20	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development	9/1/20 Date
Chief, Development Engineering Division	8/27/20 Date
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
Chief, Bureau of Highways	8/12/2020 Date

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
SUITE 'C'
COLUMBIA, MARYLAND 21045
Attention: DANIEL LUBELEY
410-313-6805

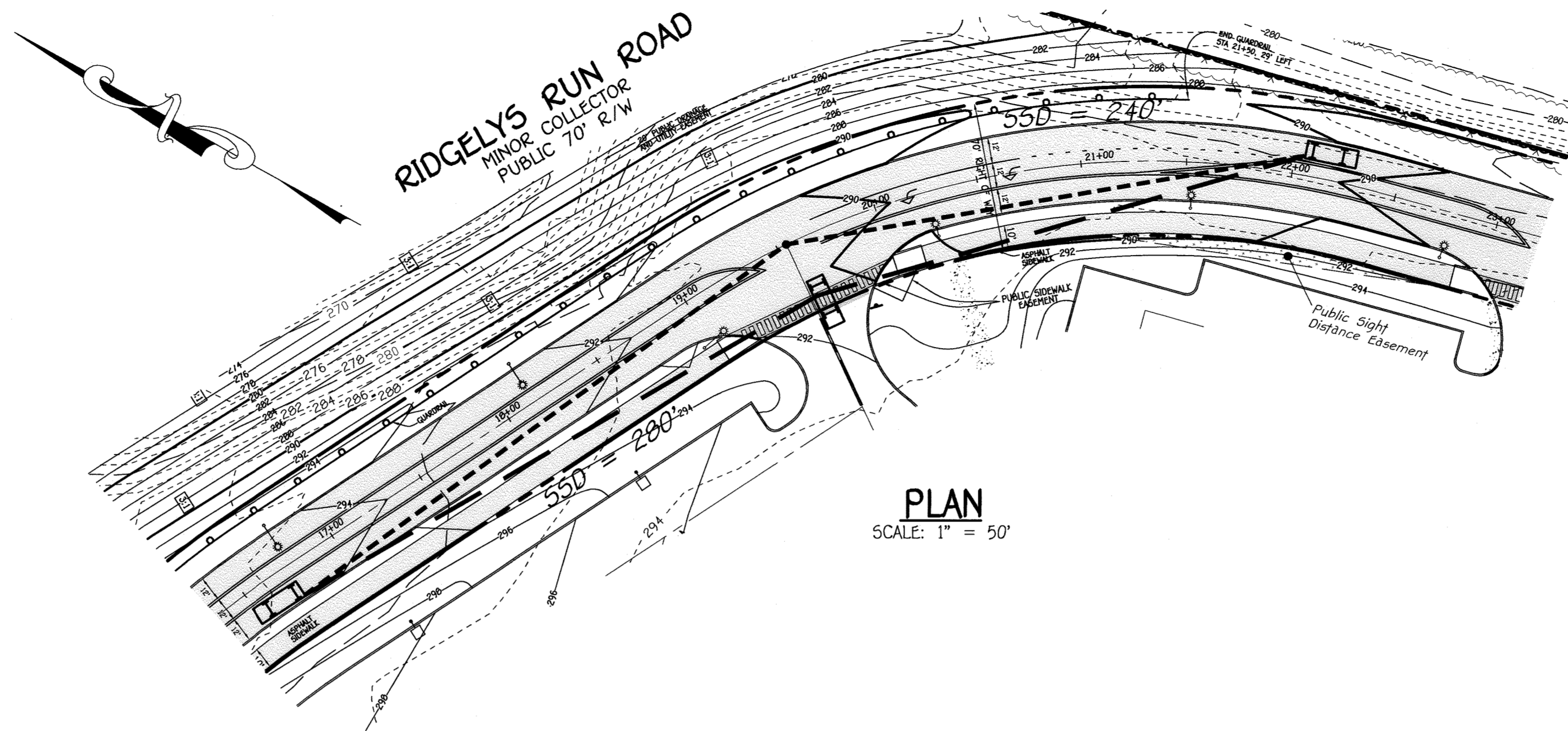


PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
-	18 & 24 13 & 19	R-12 RSC MXD-3 RSA-0 MXD-3
WATER CODE	TAX MAP	ELEC. DIST.
---	42 & 43	SIXTH
SEWER CODE	CENSUS TR.	
---	606901	

STOPPING SIGHT DISTANCE
RIDGELYS RUN ROAD - STA 12+35

HIGH SCHOOL #13

ZONED: R-SC MXD-3, R-SA-0 MXD-3 AND R-12
PARCEL Nos.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 17 OF 25



PLAN
SCALE: 1" = 50'

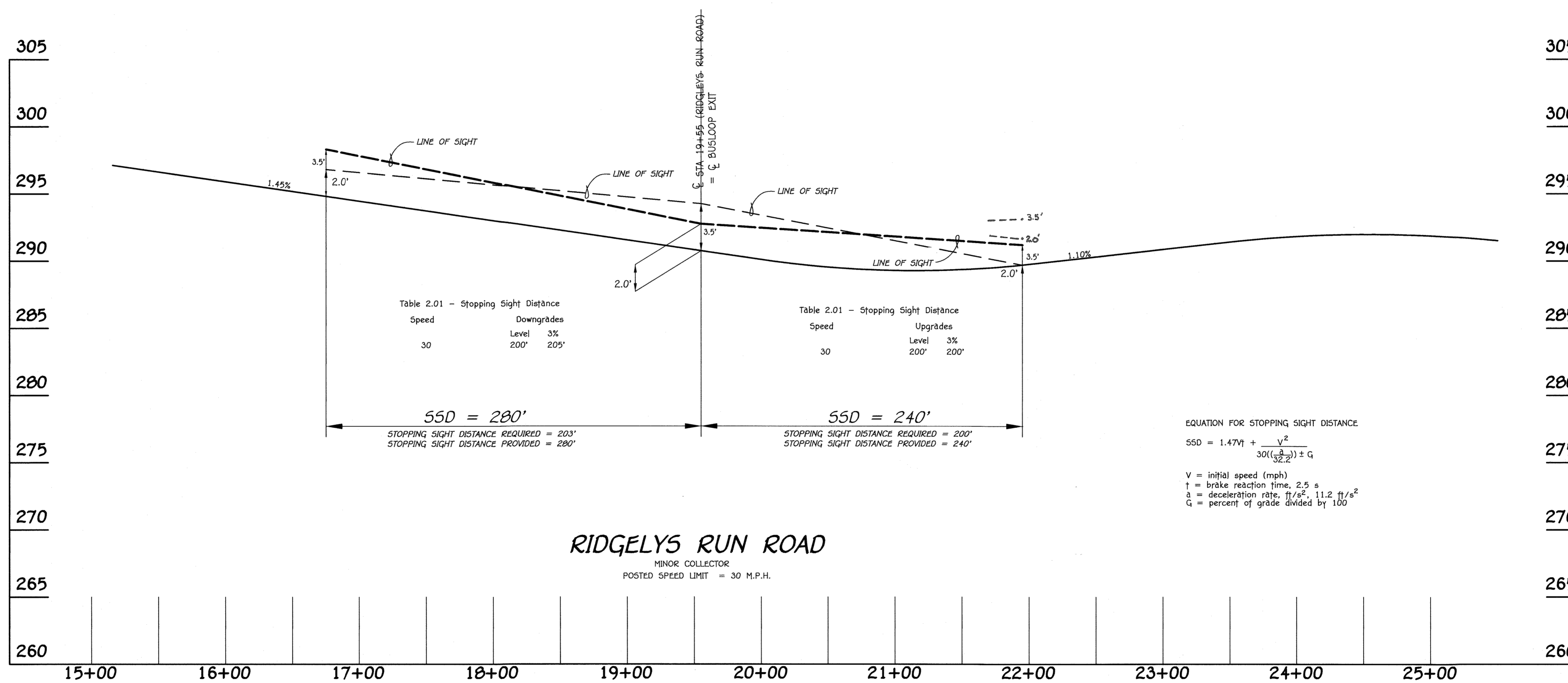


Table 2.01 - Stopping Sight Distance

Speed	Downgrades
30	Level 3% 200' 205'

Table 2.01 - Stopping Sight Distance

Speed	Upgrades
30	Level 3% 200' 200'

EQUATION FOR STOPPING SIGHT DISTANCE

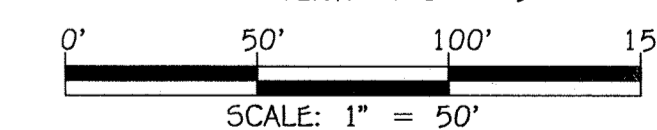
$$SSD = 1.47Vt + \frac{V^2}{30\left(\frac{a}{32.2}\right) \pm G}$$

V = initial speed (mph)
t = brake reaction time, 2.5 s
a = deceleration rate, ft/s², 11.2 ft/s²
G = percent of grade divided by 100

RIDGELYS RUN ROAD
MINOR COLLECTOR
POSTED SPEED LIMIT = 30 M.P.H.

PROFILE

SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'



"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 36386, EXPIRATION DATE: JANUARY 12, 2022."

Stephanie J. Tuite 7/15/20
STEPHANIE J. TUITE, RLA, P.E., LEED AP BC&D
DATE

DATE DESCRIPTION REVISION BLOCK

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Chief, Division of Land Development *[Signature]* 9/2/2020 Date
Chief, Development Engineering Division *[Signature]* 8/21/2020 Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Chief, Bureau of Highways *[Signature]* 8/12/2020 Date

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
SUITE 'C'
COLUMBIA, MARYLAND 21045
Attention: DANIEL LUBELEY
410-313-6805



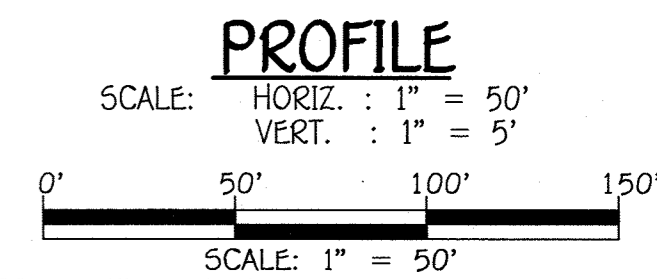
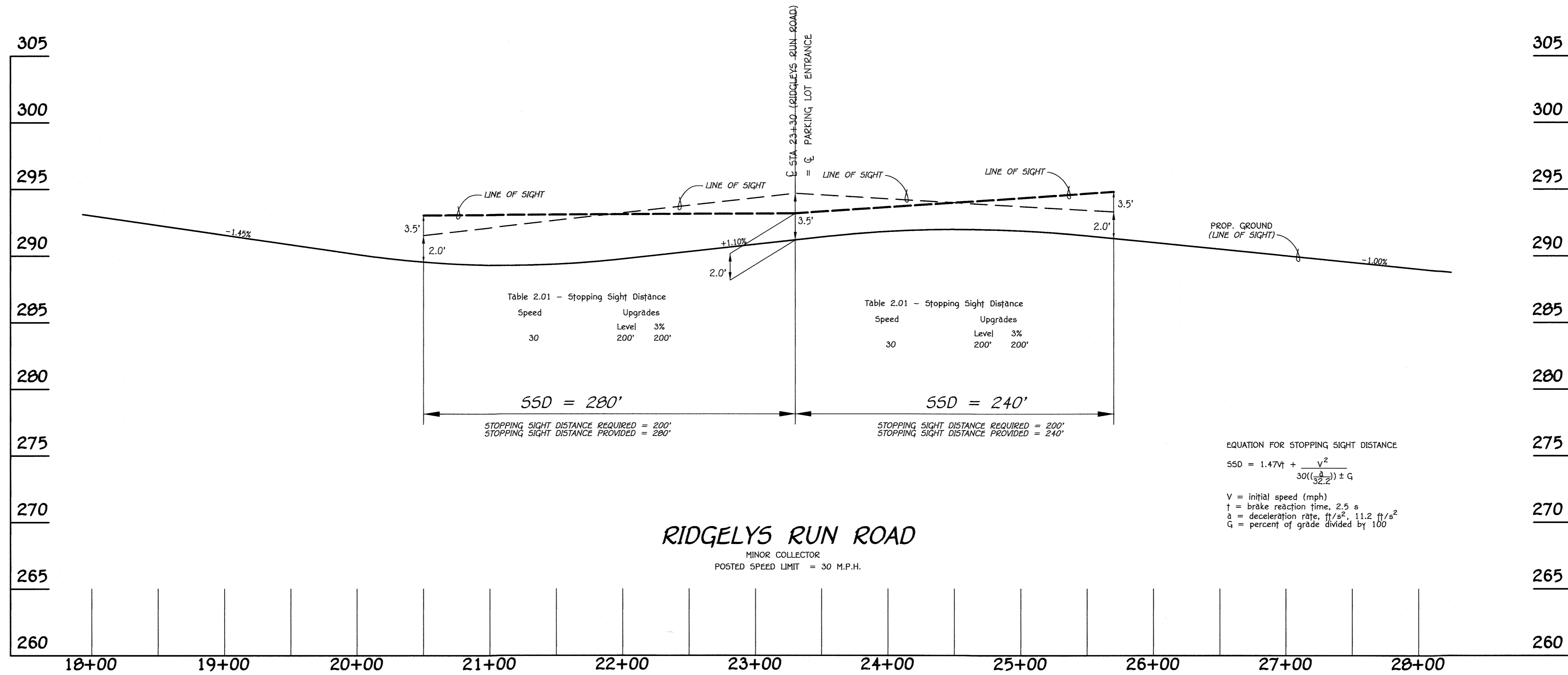
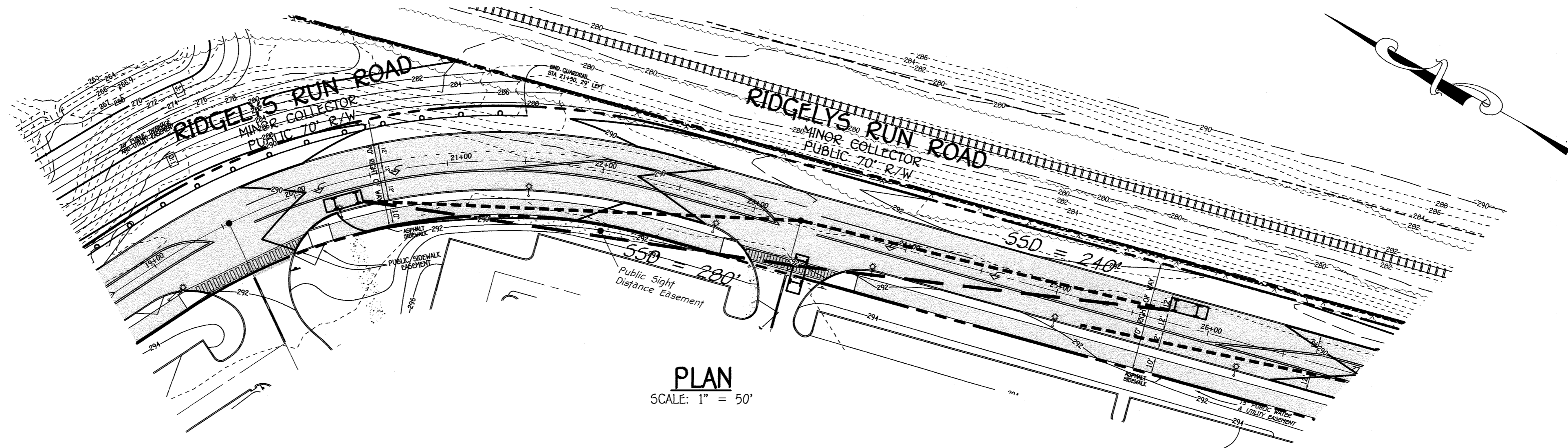
PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
-	10 & 24	R-12
-	13 & 19	RSC MXD-3
-	-	RSA-0 MXD-3
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	-

**STOPPING SIGHT DISTANCE
RIDGELYS RUN ROAD STA 19+55**

HIGH SCHOOL #13

ZONED: R-5C MXD-3, R-5A-0 MXD-3 AND R-12
PARCEL Nos.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 18 OF 25

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461-2295



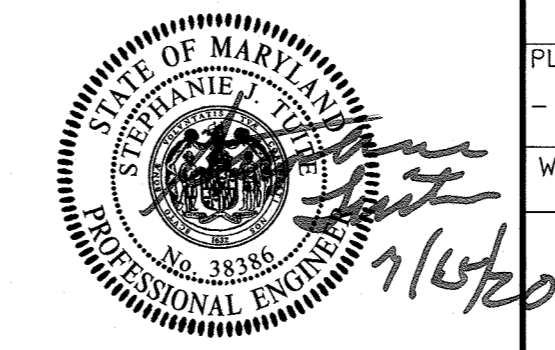
FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2895

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 36366, EXPIRATION DATE: JANUARY 12, 2022."

Stephanie J. Tuite
STEPHANIE J. TUITE, RIA, P.E., LEED AP BC&O
7/15/20
DATE

DATE	DESCRIPTION
	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development	9/1/2020 Date
Chief, Development Engineering Division	8/27/20 Date
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
Chief, Bureau Of Highways	8/12/2020 Date

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
SUITE 'C'
COLUMBIA, MARYLAND 21045
Attention: DANIEL LUBELEY
410-313-6805

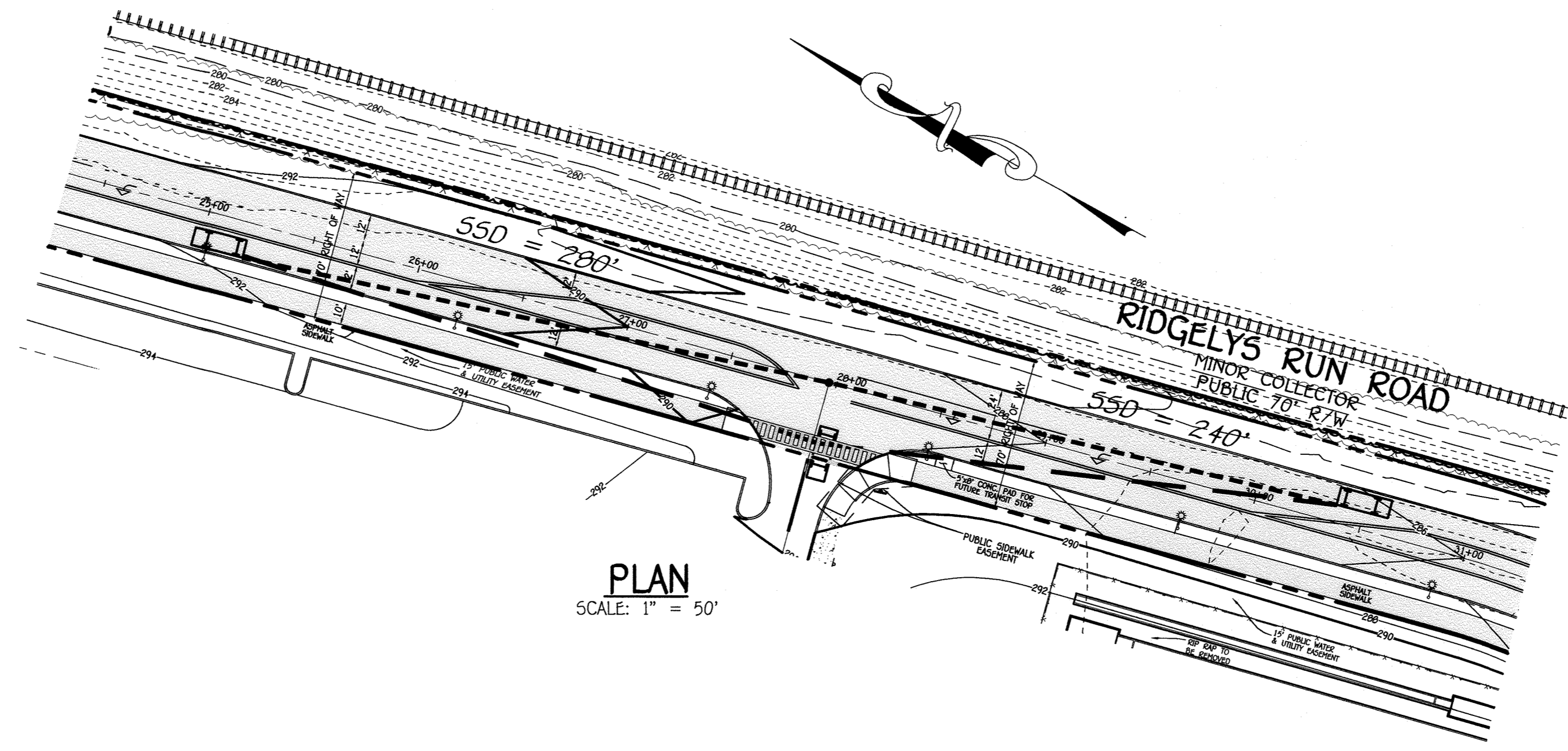


PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
-	18 & 24 13 & 19	R-12 RSC MXD-3 RSC-B MXD-3
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	
---	---	

STOPPING SIGHT DISTANCE
RIDGELYS RUN ROAD STA 23+30

HIGH SCHOOL #13

ZONED: R-5C MXD-3, R-5A-B MXD-3 AND R-12
PARCEL Nos.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 19 OF 25



PLAN
SCALE: 1" = 50'

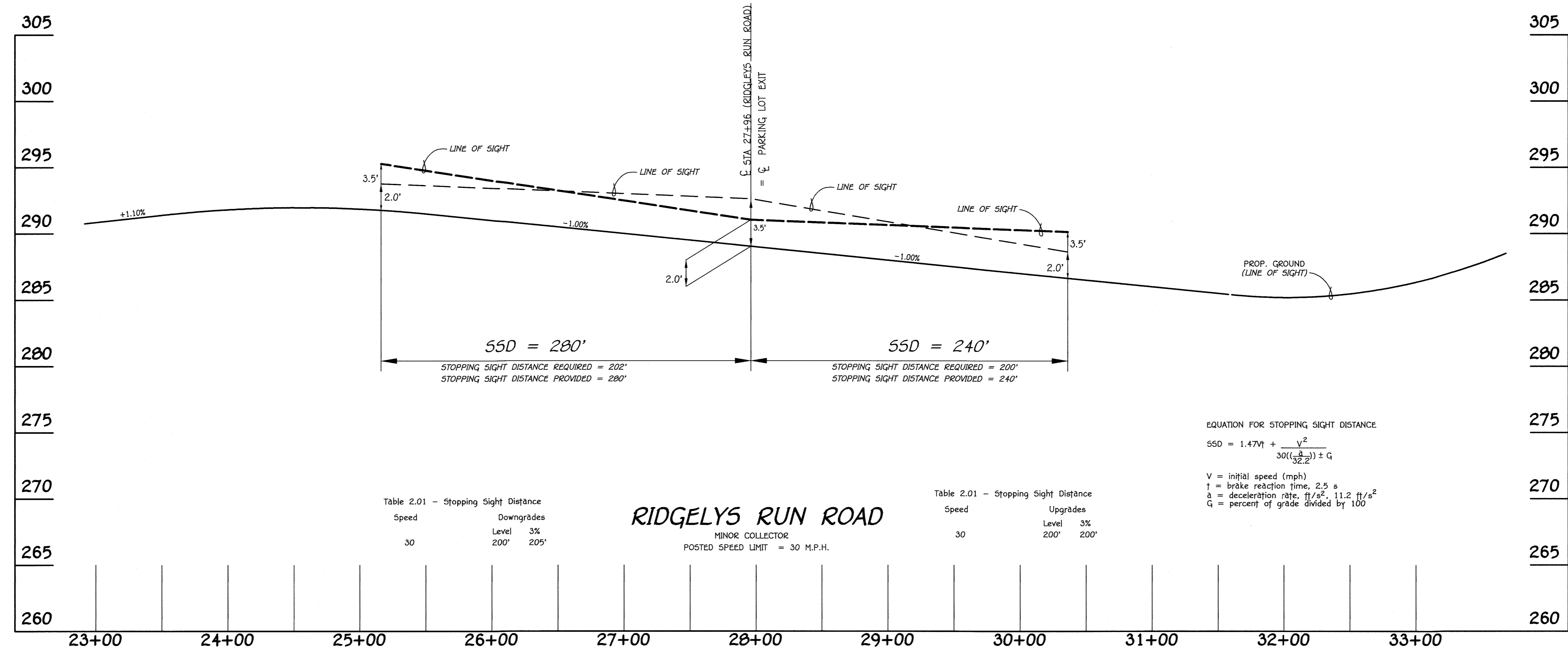


Table 2.01 - Stopping Sight Distance

Speed	Downgrades	Level	Upgrades
30	200'	205'	200'

RIDGELY'S RUN ROAD
MINOR COLLECTOR
POSTED SPEED LIMIT = 30 M.P.H.

Table 2.01 - Stopping Sight Distance

Speed	Upgrades	Level	Downgrades
30	200'	200'	205'

EQUATION FOR STOPPING SIGHT DISTANCE
 $SSD = 1.47Vt + \frac{V^2}{30\left(\frac{a}{32.2}\right) \pm G}$
 V = initial speed (mph)
 t = brake reaction time, 2.5 s
 a = deceleration rate, ft/s², 11.2 ft/s²
 G = percent of grade divided by 100

PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
200 NATIONAL SQUARE OFFICE PARK - 10775 BALTIMORE NATIONAL FEE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-7999

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 38386, EXPIRATION DATE: JANUARY 12, 2022."
Stephanie J. Tuite 7/15/20
STEPHANIE J. TUITE, RLA, P.E., LEED AP BC&D
DATE

DATE	DESCRIPTION
	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development	8/12/2020
Chief, Development Engineering Division	8/29/20
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
Chief, Bureau of Highways	8/12/2020

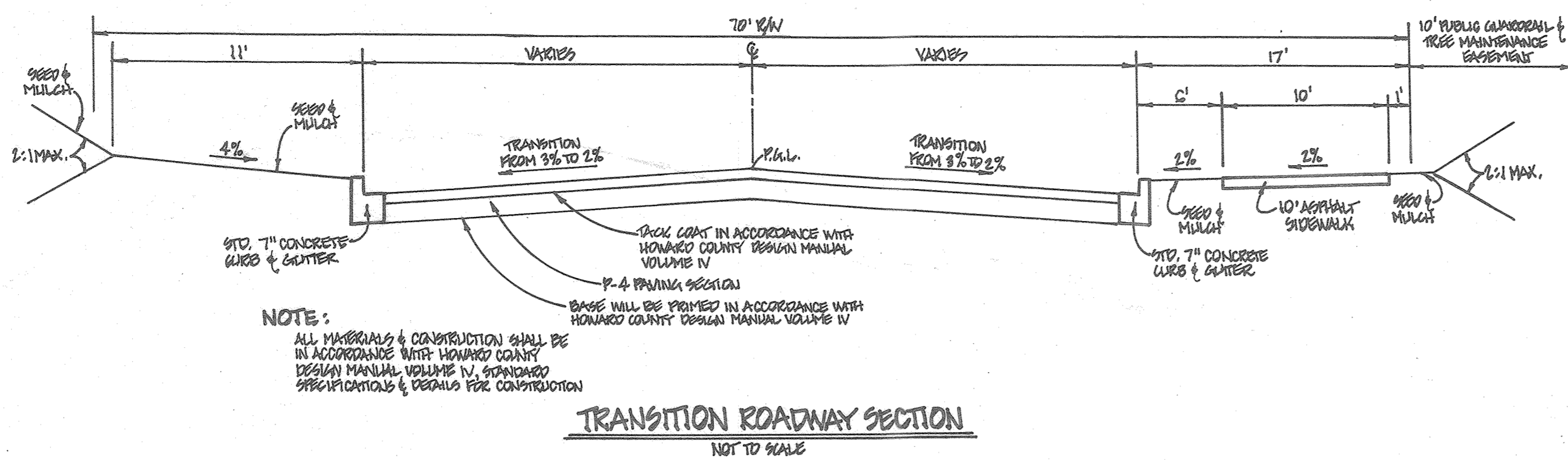
PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
SUITE 'C'
COLUMBIA, MARYLAND 21045
Attention: DANIEL LUBELEY
410-313-6805



PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
	18 & 24	R-12
	13 & 19	RSC MXD-3
		RSA-2 MXD-3
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	

STOPPING SIGHT DISTANCE
RIDGELY'S RUN ROAD STA 27+96
HIGH SCHOOL #13
ZONED: R-5C MXD-3, R-5A-0 MXD-3 AND R-12
PARCEL Nos.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2020
SHEET 20 OF 25

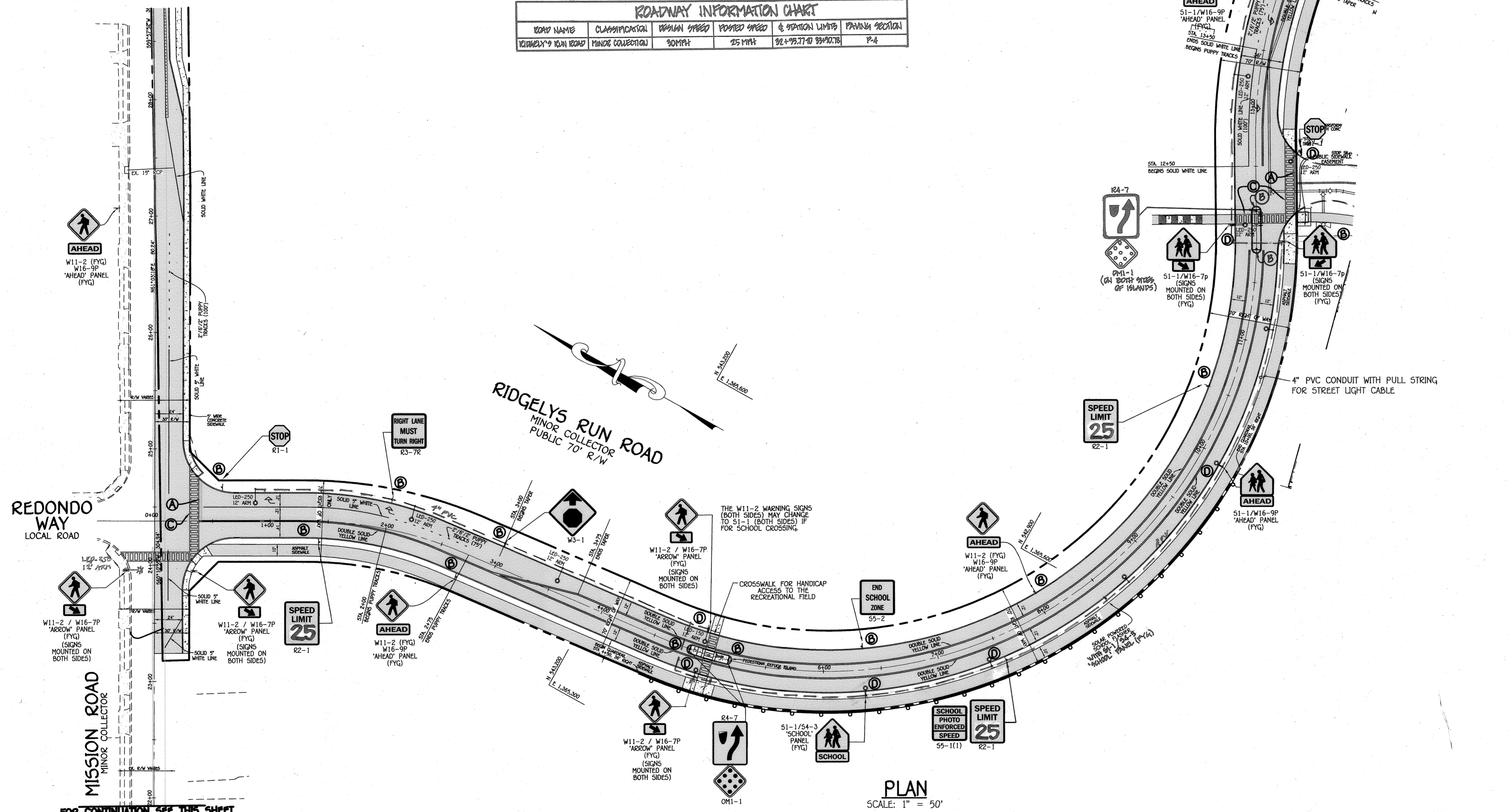
FOR CONTINUATION SEE THIS SHEET



NOTE:
ALL MATERIALS & CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOLUME IV, STANDARD SPECIFICATIONS & DETAILS FOR CONSTRUCTION

TRANSITION ROADWAY SECTION
NOT TO SCALE

ROADWAY INFORMATION CHART					
ROAD NAME	CLASSIFICATION	DESIGN SPEED	POSTED SPEED	STATION LIMITS	PAVING SECTION
RIDGELY'S RUN ROAD	MINOR COLLECTOR	30MPH	25 MPH	92+79.77 TO 99+07.8	P-4



PLAN
SCALE: 1" = 50'

LEGEND

- DENOTES STREET LIGHT
- DENOTES 4" PVC CONDUIT WITH PULL STRING FOR STREET LIGHT CABLE

- ALL STREET LIGHTS ARE LED-150 HADCO ROAD FOCOS MOUNTED AT 30' USING A 6' ARM UNLESS NOTED OTHERWISE.
- MISSION ROAD @ STA. 93+95 LED-250 WITH A 12' ARM
 - RIDGELY'S RUN ROAD @ STA. 0+87 LED-250 WITH A 12' ARM
 - RIDGELY'S RUN ROAD @ STA. 2+19 LED-250 WITH A 12' ARM
 - RIDGELY'S RUN ROAD @ STA. 3+54 LED-250 WITH A 12' ARM
 - RIDGELY'S RUN ROAD @ CROSSWALK C STA. 12+00 LED-250 WITH A 12' ARM
 - RIDGELY'S RUN ROAD @ SCHOOL ENTRANCE ROAD C STA. 12+63 LED-250 WITH A 12' ARM
 - RIDGELY'S RUN ROAD @ STA. 13+26 LED-250 WITH A 12' ARM
 - RIDGELY'S RUN ROAD @ STA. 14+14 LED-250 WITH A 12' ARM
 - RIDGELY'S RUN ROAD @ STA. 15+44 LED-250 WITH A 12' ARM
- 16 STREET LIGHTS PROPOSED ON THIS SHEET

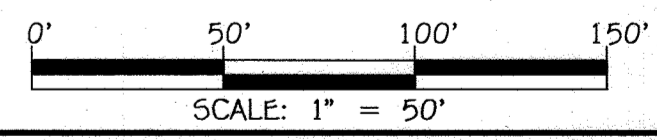
NOTES:

1. ALL SIGN LOCATIONS AND PAVEMENT MARKINGS TO BE INSTALLED IN THE COUNTY RIGHT-OF-WAY OR AT A COUNTY INTERSECTION MUST BE APPROVED BY THE HOWARD COUNTY TRAFFIC DIVISION (410-313-2430).
2. ALL SIGN POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL, PERFORATED ("QUICK PUNCH"), SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-1/2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) 3' LONG. THE ANCHOR SHALL NOT EXTEND MORE THAN TWO "QUICK PUNCH" HOLES ABOVE GROUND LEVEL. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.
3. ALL PAINT FOR PARKING STRIPING, BUS LOOP STRIPING, HANDICAPPED SYMBOLS AND CROSSWALKS TO BE ACRYLIC OR LATEX PAINT ESPECIALLY FORMULATED AND MANUFACTURED FOR USE ON ASPHALTIC CONCRETE UNDER TRAFFIC CONDITIONS. ACCEPTABLE STRIPING PAINTS ARE "NON-REFLECTIONIZED" BY SHERWIN WILLIAMS OR "IRON-CLAD" BY BENJAMIN MOORE. PARKING STRIPES SHALL BE 4" WIDE WHITE UNLESS OTHERWISE NOTED. ACCESSIBLE SPACE STENCIL SHALL BE PAINTED BLUE IN ACCORDANCE WITH FEDERAL STANDARD 5952.
4. ALL PAVEMENT MARKINGS ALONG RIDGELY'S RUN ROAD SHALL BE THERMOPLASTIC, BUT ALL LONGLINE PAVEMENT MARKINGS SHALL BE PAINT.
5. ALL CROSSWALKS AND STOP BARS IN THE COUNTY RIGHT-OF-WAY SHALL BE THERMOPLASTIC.
- 6a. THE FOLLOWING WILL BE REQUIRED TO BE INSTALLED ALONG RIDGELY'S RUN ROAD:
 - TWO (2) SOLAR POWERED SCHOOL FLASHER
 - ONE (1) R1-1 ("STOP") SIGN
 - ONE (1) W3-1 ("STOP AHEAD") SIGN
 - ONE (1) R3-7R ("RIGHT LANE MUST TURN RIGHT") SIGN
 - SEVEN (7) S1-1 (1 WITH "AHEAD" PANEL AND 2 WITH "SCHOOL" PANEL)
 - TWO (2) S5-1(1) ("SCHOOL PHOTO ENFORCED SPEED") SIGN
 - FIVE (5) R2-1 ("SPEED LIMIT 25") SIGNS
 - EIGHT (8) W16-7P (4 LEFT AND 4 RIGHT DIRECTIONS)
 - TWO (2) S5-2 ("END SCHOOL ZONE") SIGN
 - FOUR (4) W15-9P ("AHEAD" PANELS)
 - FOUR (4) W11-2 ("PEDESTRIAN TRAFFIC SYMBOL")
- 6b. THE FOLLOWING WILL BE REQUIRED TO BE INSTALLED ADJACENT TO RIDGELY'S RUN ROAD R/W:
 - FOUR (4) R1-1 ("STOP") SIGN
7. CONDUIT SHALL BE INSTALLED A DEPTH OF 24" AND LOCATED DIRECTLY BEHIND CURB AND GUTTER TO AVOID TREE INSTALLATION DAMAGE.

NOTE: THE CONTRACTOR SHALL NOTIFY MR. PARRIS ZIRKENBACH (410-313-5752) AT THE TRAFFIC ENGINEERING DIVISION BEFORE ANY SIGNS, SCHOOL FLASHERS OR MARKERS ARE ORDERED AND/OR INSTALLED.

LEGEND

- INSTALL 24" SOLID WHITE PAVEMENT MARKING FOR STOP BAR.
- INSTALL GROUND MOUNTED SIGN.
- PEDESTRIAN CROSSWALK. CROSSWALK SHALL BE THE HOWARD COUNTY STANDARD CROSSWALK (REFER TO DETAIL T-7.03 IN THE HOWARD COUNTY DESIGN MANUAL - VOLUME IV). THE CROSSWALK SHALL BE INSTALLED WITH THERMOPLASTIC OR PREFORMED, HEAT APPLIED, THERMOPLASTIC.
- INSTALL STREET LIGHT POLE MOUNTED SIGN.



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10275 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461-1000

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 36386, EXPIRATION DATE: JANUARY 12, 2022."
Stephanie J. Tuite
STEPHANIE J. TUITE, RLA, P.E., LEED AP BC&D
7/15/20

DATE	DESCRIPTION
7/15/21	REVISION SPEED LIMIT FROM 20 TO 25 & ADDITION TRANSITION ROADWAY SECTION DESIGN AND SIGNAGE
REVISION BLOCK	
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development	<i>[Signature]</i> Date: 6/27/20
Chief, Development Engineering Division	<i>[Signature]</i> Date: 8/12/2020
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
Chief, Bureau of Highways	<i>[Signature]</i> Date: 8/12/2020

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
SUITE 'C'
COLUMBIA, MARYLAND 21045
Attention: DANIEL LUBELEY
410-313-6605

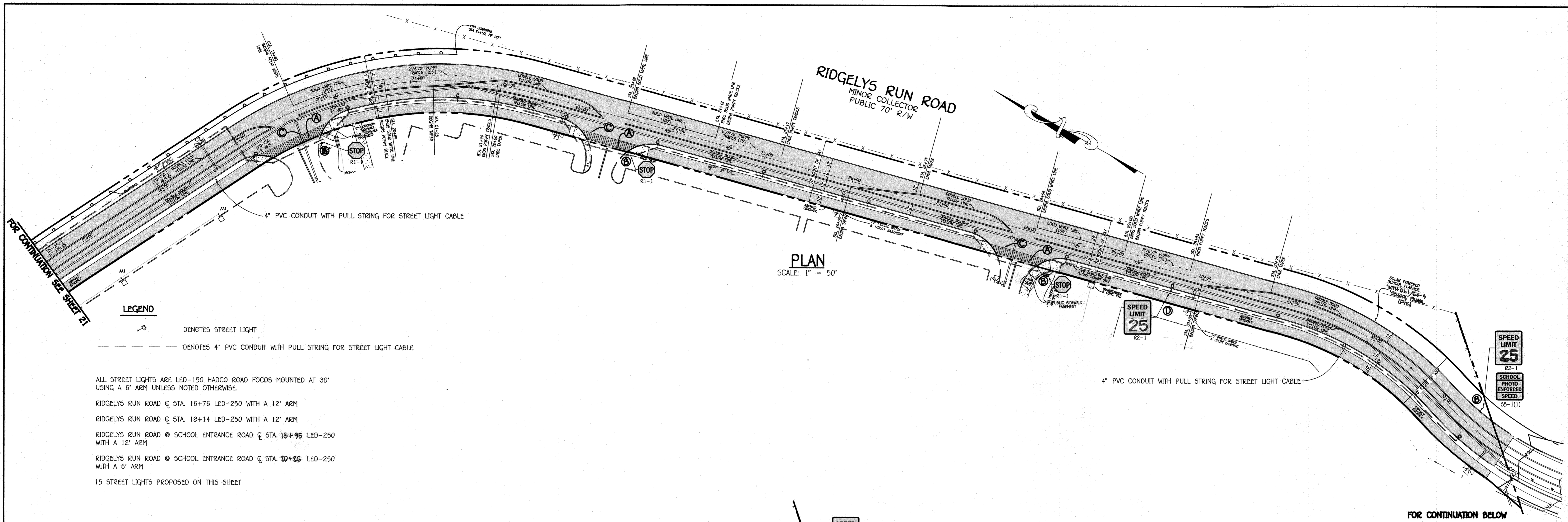


PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
10 & 24 13 & 19	R-12 RSC MXD-3 RSA-8 MXD-3	42 & 43
TAX MAP	ELEC. DIST.	CENSUS TR.
SIXTH	606901	
WATER CODE	SEWER CODE	

PAVEMENT MARKING, SIGNAGE AND STREET LIGHTING PLAN

HIGH SCHOOL #13

ZONED: R-5C MXD-3, R-5A-8 MXD-3 AND R-12
PARCEL Nos.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: A5 SHOWN DATE: JUNE, 2020
SHEET 21 OF 25



LEGEND

○ DENOTES STREET LIGHT

— DENOTES 4" PVC CONDUIT WITH PULL STRING FOR STREET LIGHT CABLE

ALL STREET LIGHTS ARE LED-150 HADCO ROAD FOCOS MOUNTED AT 30' USING A 6' ARM UNLESS NOTED OTHERWISE.

RIDGELYS RUN ROAD @ STA. 16+76 LED-250 WITH A 12' ARM

RIDGELYS RUN ROAD @ STA. 18+14 LED-250 WITH A 12' ARM

RIDGELYS RUN ROAD @ SCHOOL ENTRANCE ROAD @ STA. 18+95 LED-250 WITH A 12' ARM

RIDGELYS RUN ROAD @ SCHOOL ENTRANCE ROAD @ STA. 20+26 LED-250 WITH A 6' ARM

15 STREET LIGHTS PROPOSED ON THIS SHEET

NOTES:

- ALL SIGN LOCATIONS AND PAVEMENT MARKINGS TO BE INSTALLED IN THE COUNTY RIGHT-OF-WAY OR AT A COUNTY INTERSECTION MUST BE APPROVED BY THE HOWARD COUNTY TRAFFIC DIVISION (410-313-2430).
- ALL SIGN POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL PERFORATED ("QUICK PUNCH"), SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-1/2" GALVANIZED STEEL PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) 3' LONG. THE ANCHOR SHALL NOT EXTEND MORE THAN TWO "QUICK PUNCH" HOLES ABOVE GROUND LEVEL. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.
- ALL PAINT FOR PARKING STRIPING, BUS LOOP STRIPING, HANDICAPPED SYMBOLS AND CROSSWALKS TO BE ACRYLIC OR LATEX PAINT ESPECIALLY FORMULATED AND MANUFACTURED FOR USE ON ASPHALTIC CONCRETE UNDER TRAFFIC CONDITIONS. ACCEPTABLE STRIPING PAINTS ARE "NON-REFLECTIONIZED" BY SHERWIN WILLIAMS OR "IRON-CLAD" BY BENJAMIN MOORE. PARKING STRIPES SHALL BE 4" WIDE WHITE UNLESS OTHERWISE NOTED. ACCESSIBLE SPACE STENCIL SHALL BE PAINTED BLUE IN ACCORDANCE WITH FEDERAL STANDARD 5952.
- ALL PAVEMENT MARKINGS ALONG RIDGELY RUN ROAD SHALL BE THERMOPLASTIC, BUT ALL LONGLINE PAVEMENT MARKINGS SHALL BE PAINT.
- ALL CROSSWALKS AND STOP BARS IN THE COUNTY RIGHT-OF-WAY SHALL BE THERMOPLASTIC.
- THE FOLLOWING WILL BE REQUIRED TO BE INSTALLED ALONG RIDGELYS RUN ROAD:
 - TWO (2) SOLAR POWERED SCHOOL FLASHER
 - ONE (1) R1-1 ("STOP") SIGN
 - ONE (1) W3-1 ("STOP AHEAD") SIGN
 - ONE (1) R3-7R ("RIGHT LANE MUST TURN RIGHT") SIGN
 - SEVEN (7) S1-1 (1 WITH "AHEAD" PANEL AND 2 WITH "SCHOOL" PANEL)
 - TWO (2) S5-1(1) ("SCHOOL PHOTO ENFORCED SPEED") SIGN
 - FIVE (5) R2-1 ("SPEED LIMIT 25") SIGNS
 - EIGHT (8) W16-7P (4 LEFT AND 4 RIGHT DIRECTIONS)
 - TWO (2) S5-2 ("END SCHOOL ZONE") SIGN
 - FOUR (4) W16-0P ("AHEAD" PANEL)
 - FOUR (4) W11-2 (PEDESTRIAN TRAFFIC SYMBOL)
 - FOUR (4) R1-1 ("STOP") SIGN
- THE FOLLOWING WILL BE REQUIRED TO BE INSTALLED ADJACENT TO RIDGELYS RUN ROAD R/W:
 - FOUR (4) R1-1 ("STOP") SIGN
- CONDUIT SHALL BE INSTALLED A A DEPTH OF 24" AND LOCATED DIRECTLY BEHIND CURB AND GUTTER TO AVOID TREE INSTALLATION DAMAGE.

NOTE: THE CONTRACTOR SHALL NOTIFY MR. PARRIS ZIRKENBACH (410-313-5752) AT THE TRAFFIC ENGINEERING DIVISION BEFORE ANY SIGNS, SCHOOL FLASHERS OR MARKERS ARE ORDERED AND/OR INSTALLED.

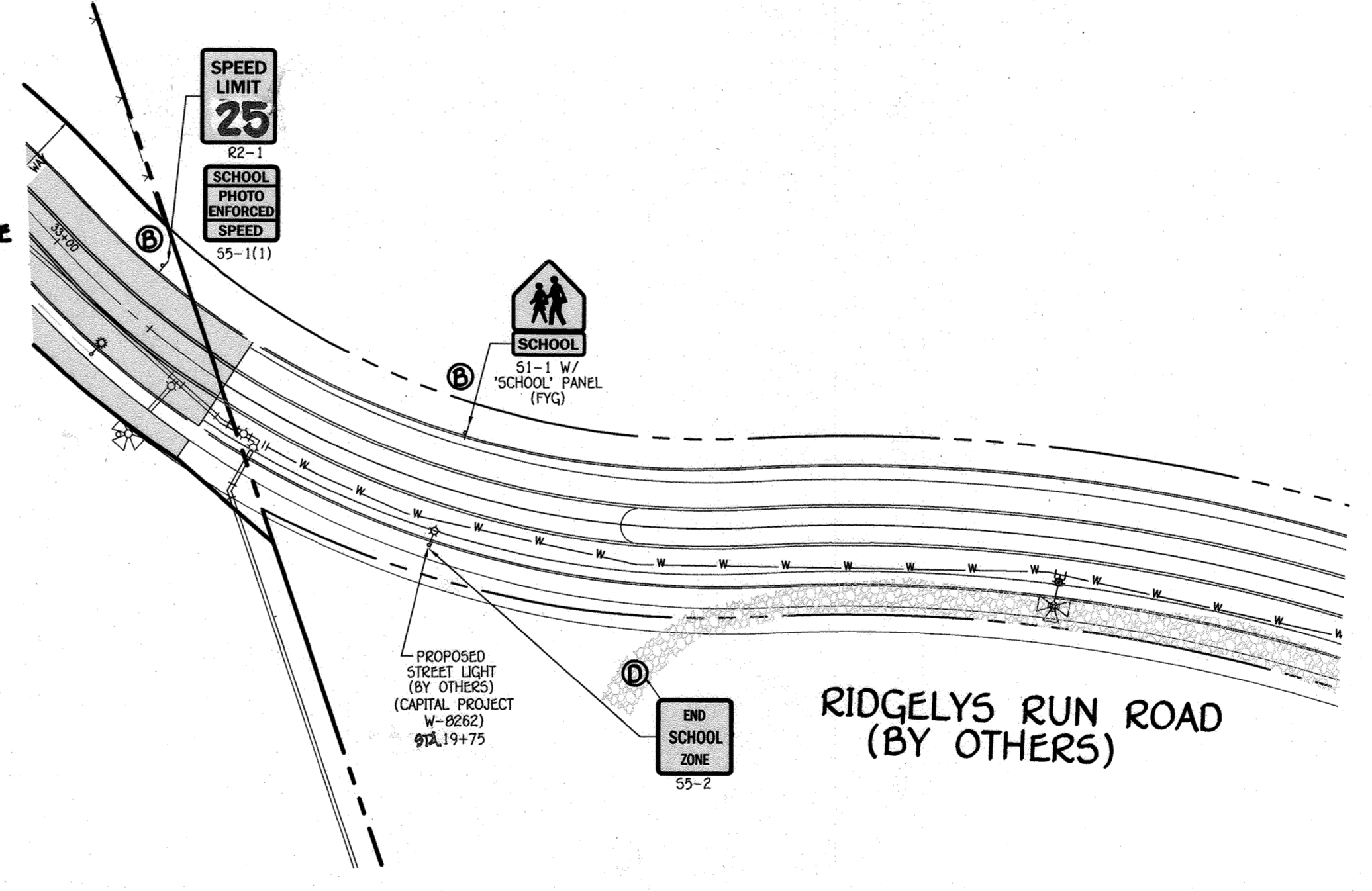
LEGEND

○ INSTALL 24" SOLID WHITE PAVEMENT MARKING FOR STOP BAR.

○ INSTALL GROUND MOUNTED SIGN.

○ PEDESTRIAN CROSSWALK. CROSSWALK SHALL BE THE HOWARD COUNTY STANDARD CROSSWALK (REFER TO DETAIL T-7.03 IN THE HOWARD COUNTY DESIGN MANUAL - VOLUME IV). THE CROSSWALK SHALL BE INSTALLED WITH THERMOPLASTIC OR PREFORMED, HEAT APPLIED, THERMOPLASTIC.

○ INSTALL STREET LIGHT POLE MOUNTED SIGN.



0' 50' 100' 150'

SCALE: 1" = 50'

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2200

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 38386, EXPIRATION DATE: JANUARY 12, 2022."

Stephanie J. Tuite
 STEPHANIE J. TUITE, R.I.A., P.E., LEED AP BC&D
 7/15/20
 DATE

DATE	DESCRIPTION
8/10/21	REMOVE SPEED LIMIT FROM 90 TO 25
REVISION BLOCK	
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development	9/16/2020 Date
Chief, Development Engineering Division	9/27/20 Date
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
Chief, Bureau of Highways	8/12/2020 Date

PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 9020 MENDENHALL COURT
 SUITE 'C'
 COLUMBIA, MARYLAND 21045
 Attention: DANIEL LUBBELEY
 410-313-6805

STATE OF MARYLAND
 DANIEL LUBBELEY
 PROFESSIONAL ENGINEER
 No. 38386
 7/15/20

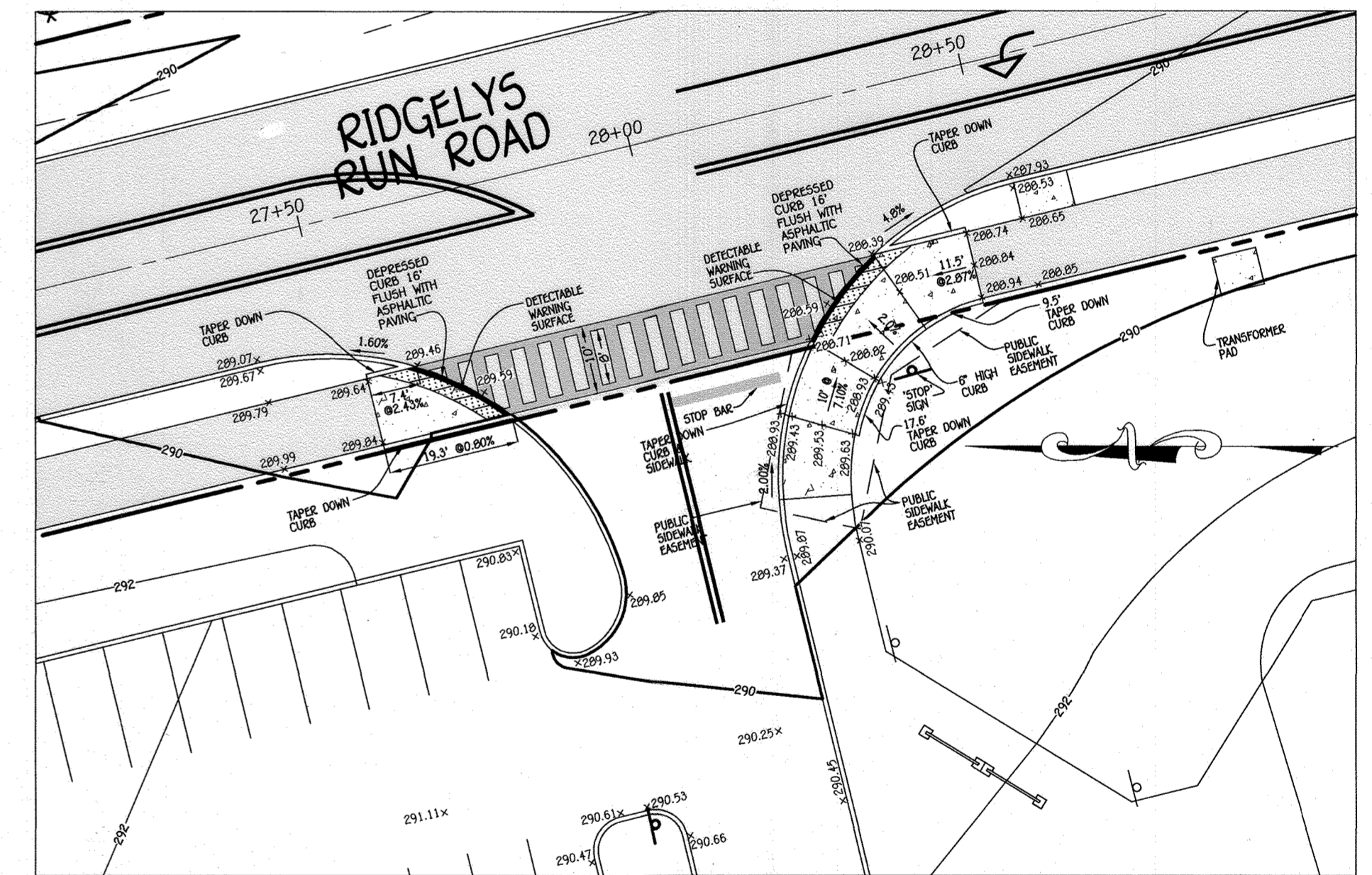
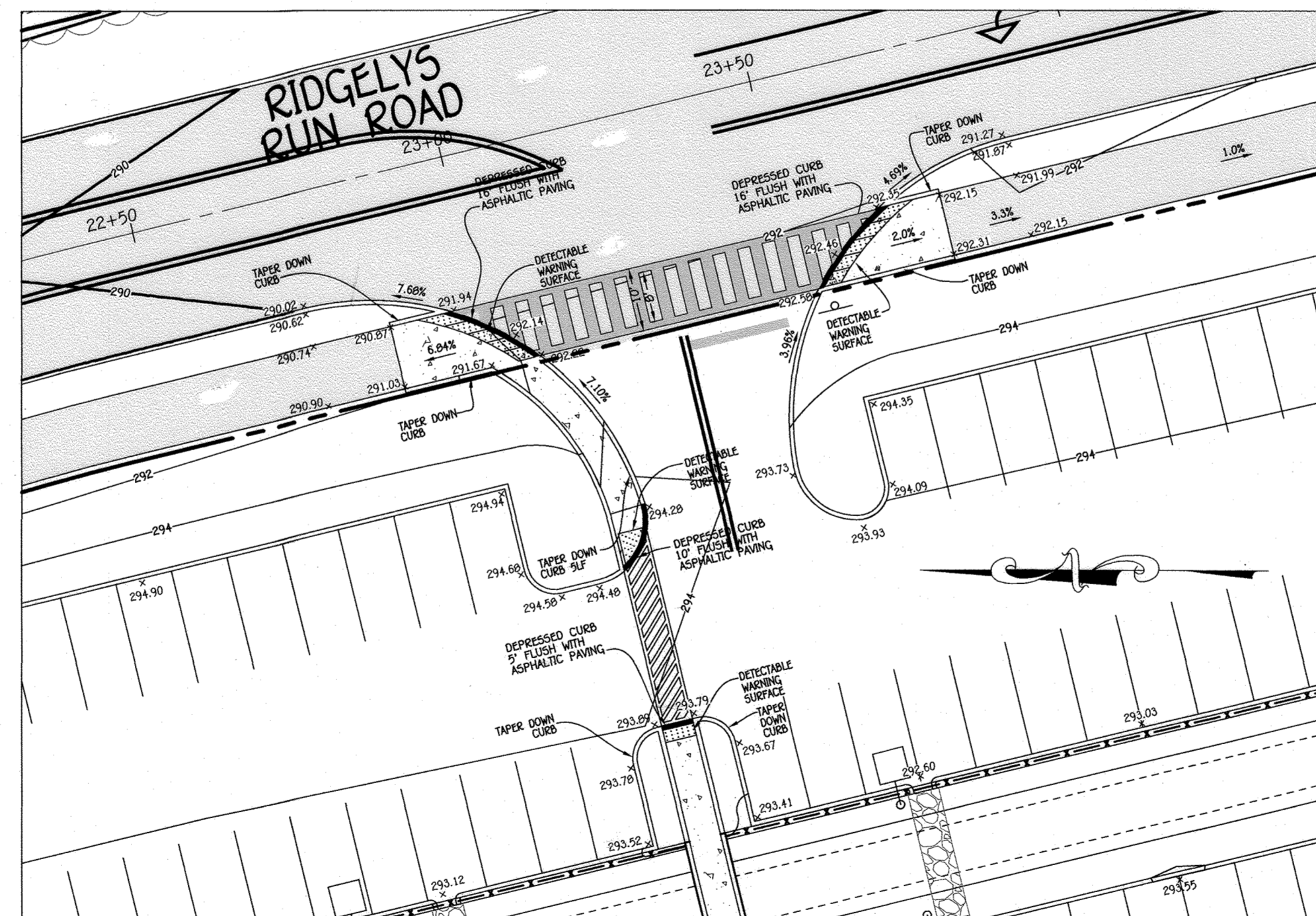
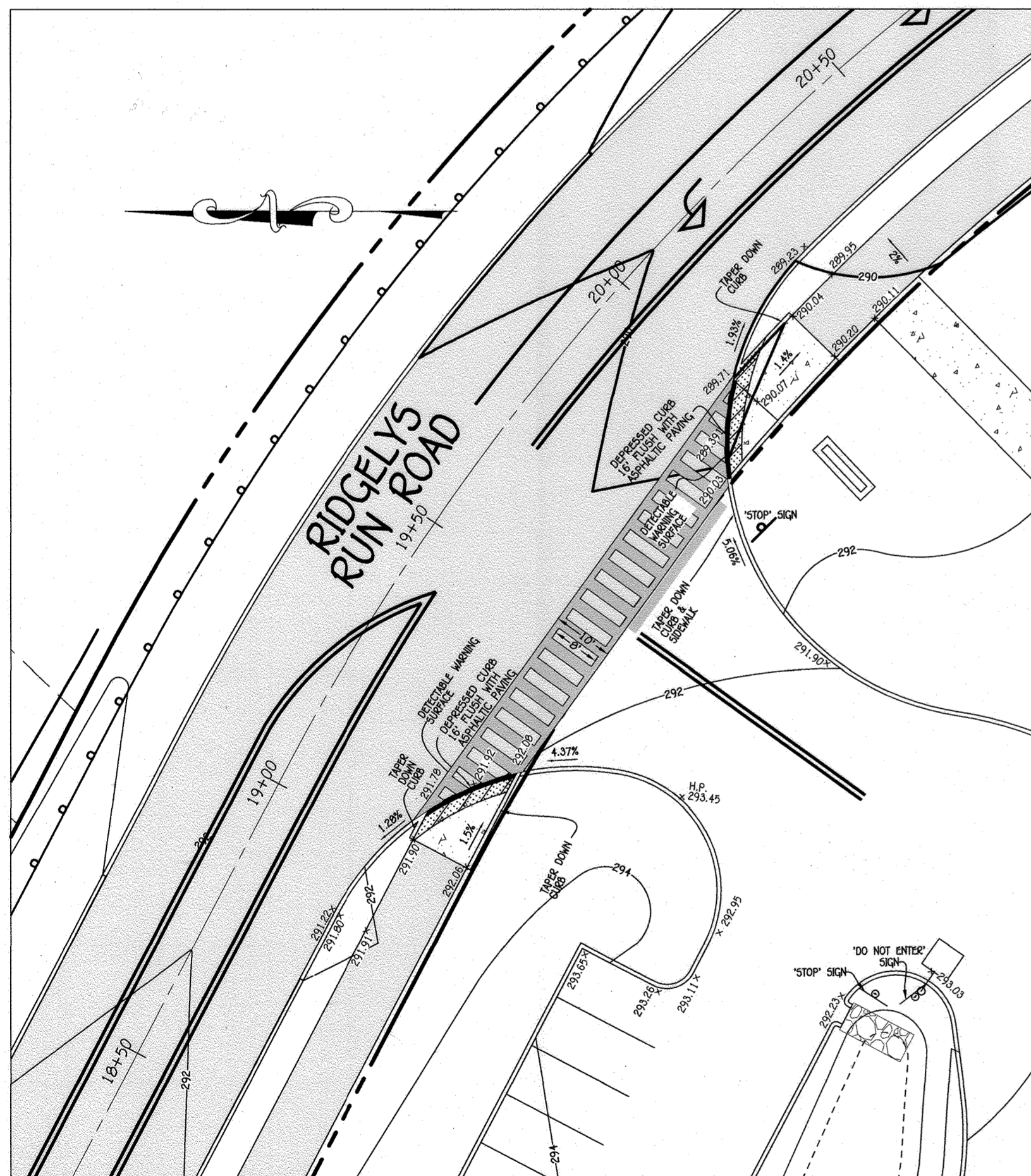
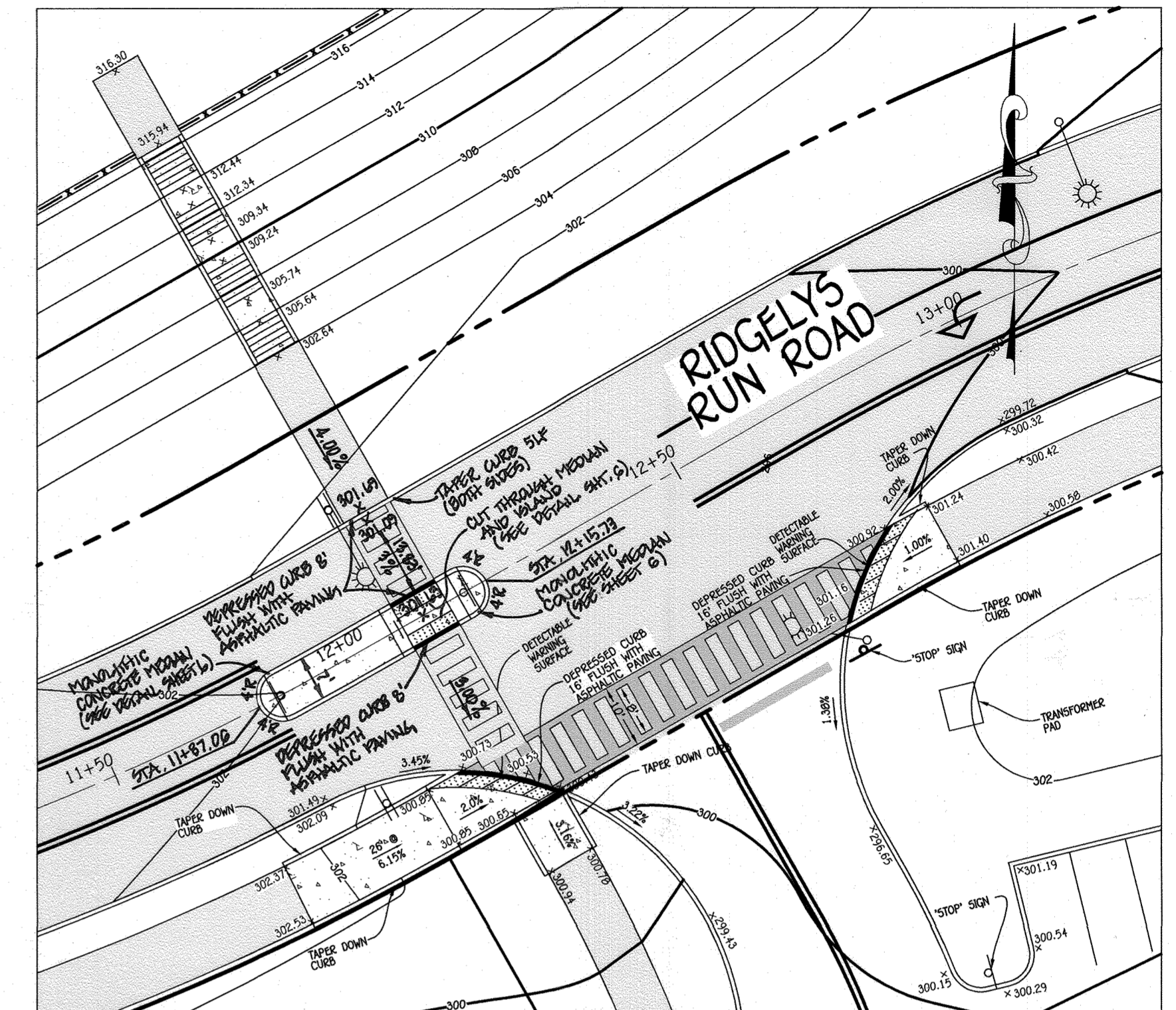
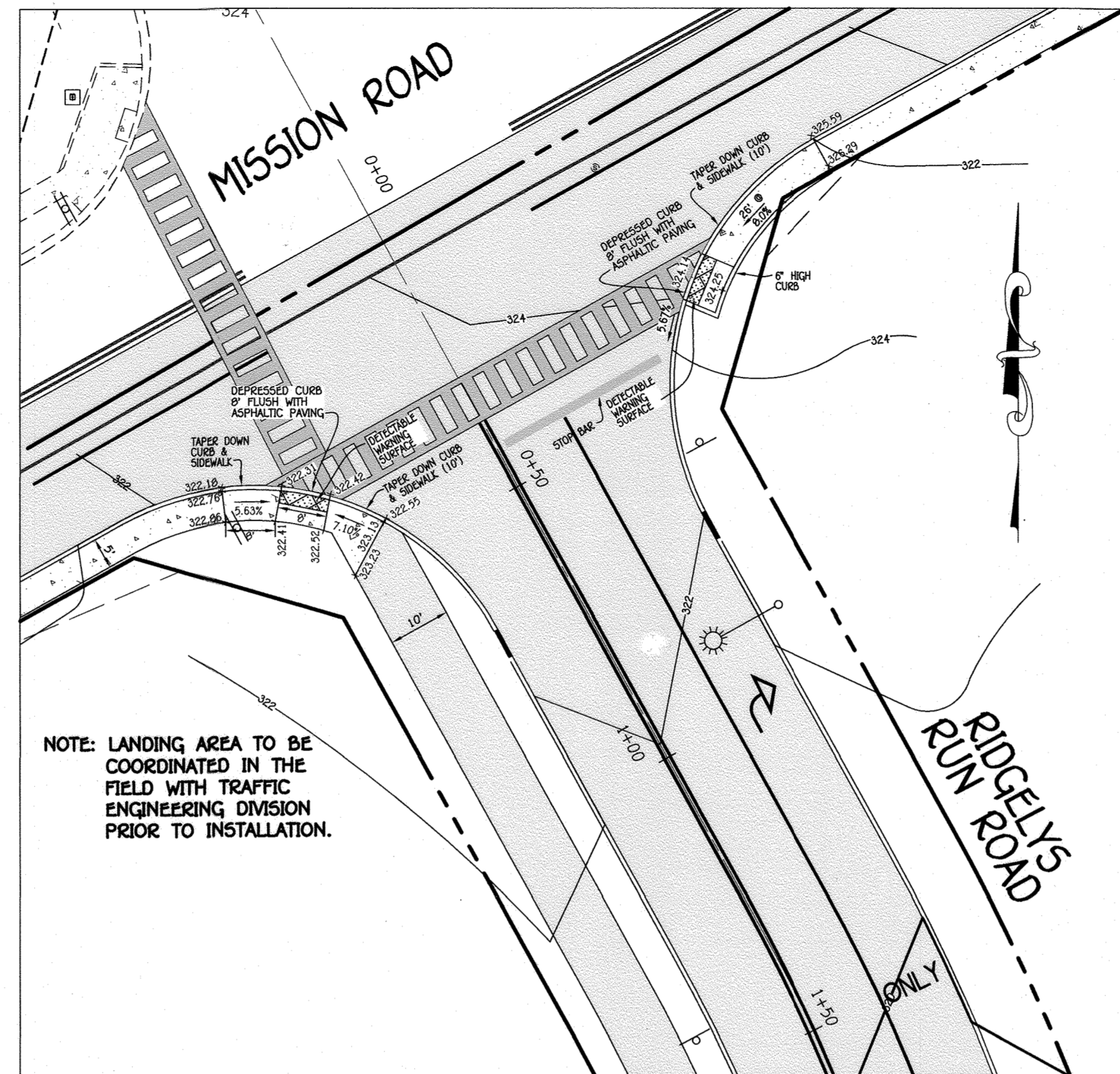
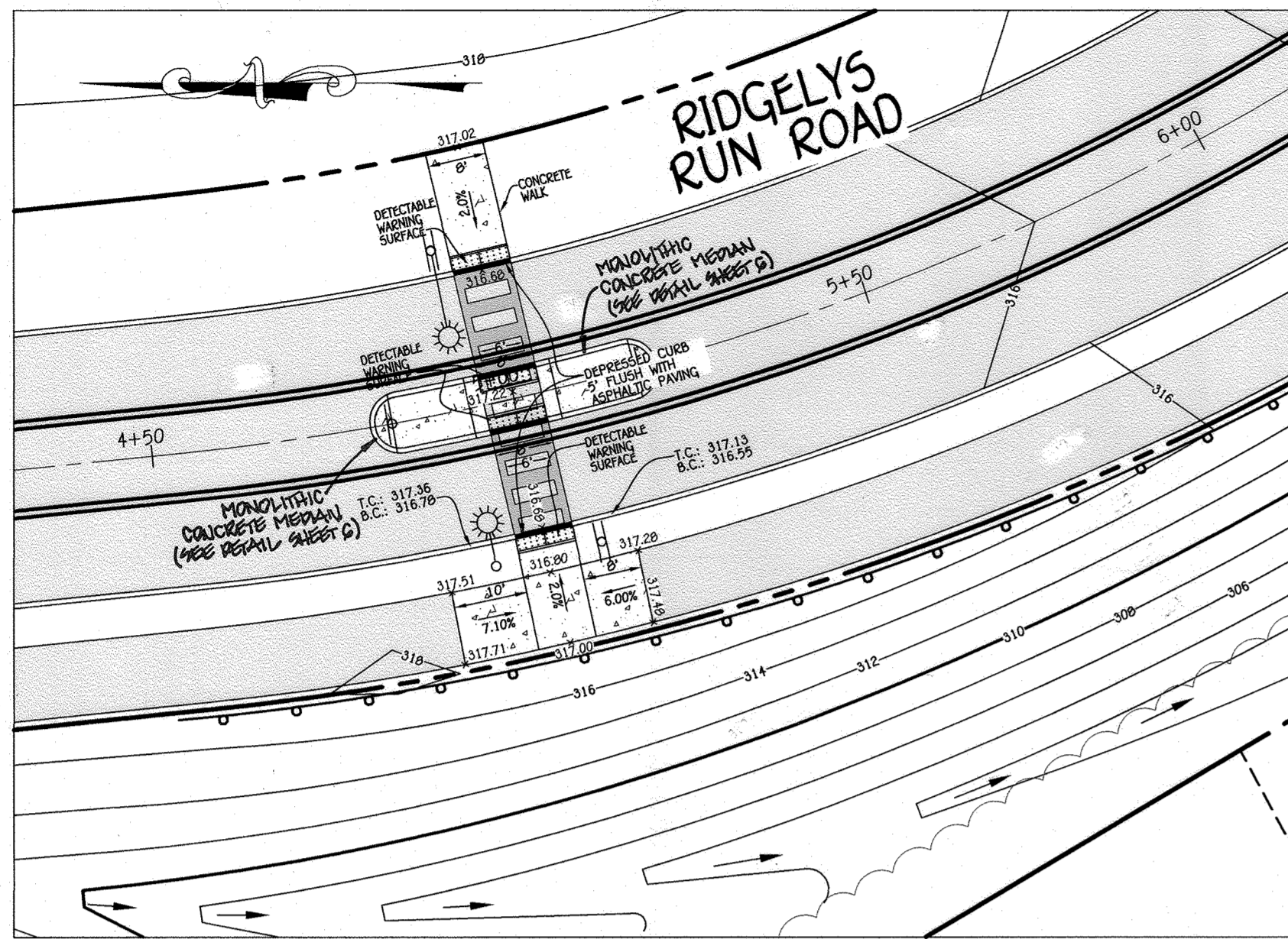
PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
-	18 & 24 13 & 19	R-12 RSC MXD-3 (RSC-B, MXD-3)
WATER CODE	TAX MAP	ELEC. DIST.
---	42 & 43	SIXTH
---	CENSUS TR.	606901
---	SEWER CODE	---

PAVEMENT MARKING, SIGNAGE AND STREET LIGHTING PLAN

HIGH SCHOOL #13

ZONED: R-SC MXD-3, R-SA-0 MXD-3 AND R-12
 PARCEL Nos.: 102, 349, 235
 TAX MAP No.: 42 & 43 GRID No.: 24 & 19
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: JUNE, 2020
 SHEET 22 OF 25

NOTE: CONTACT TRAFFIC ENGINEERING DIVISION BEFORE CROSSWALK INSTALLATION.



PLAN
SCALE: 1" = 20'

0' 20' 40' 60'
SCALE: 1" = 20'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2895

"PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY 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. 38366, EXPIRATION DATE: JANUARY 12, 2022."

Stephanie J. Tuttle
STEPHANIE J. TUTTLE, R.L.A. P.E., LEED AP BC&D

8/25/20
DATE

2/23/21 APPROVED WORKSHEET & SPEC ELEVATIONS ON REPAIRS PLAN
DATE

DESCRIPTION
REVISION BLOCK

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Division of Land Development
[Signature] 9/1/2020
Date

Chief, Development Engineering Division
Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Chief, Bureau of Highways *[Signature]* 8/26/2020
Date

PREPARED FOR
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
9020 MENDENHALL COURT
SUITE 'C'
COLUMBIA, MARYLAND 21045
Attention: DANIEL LUBELEY
410-313-6805

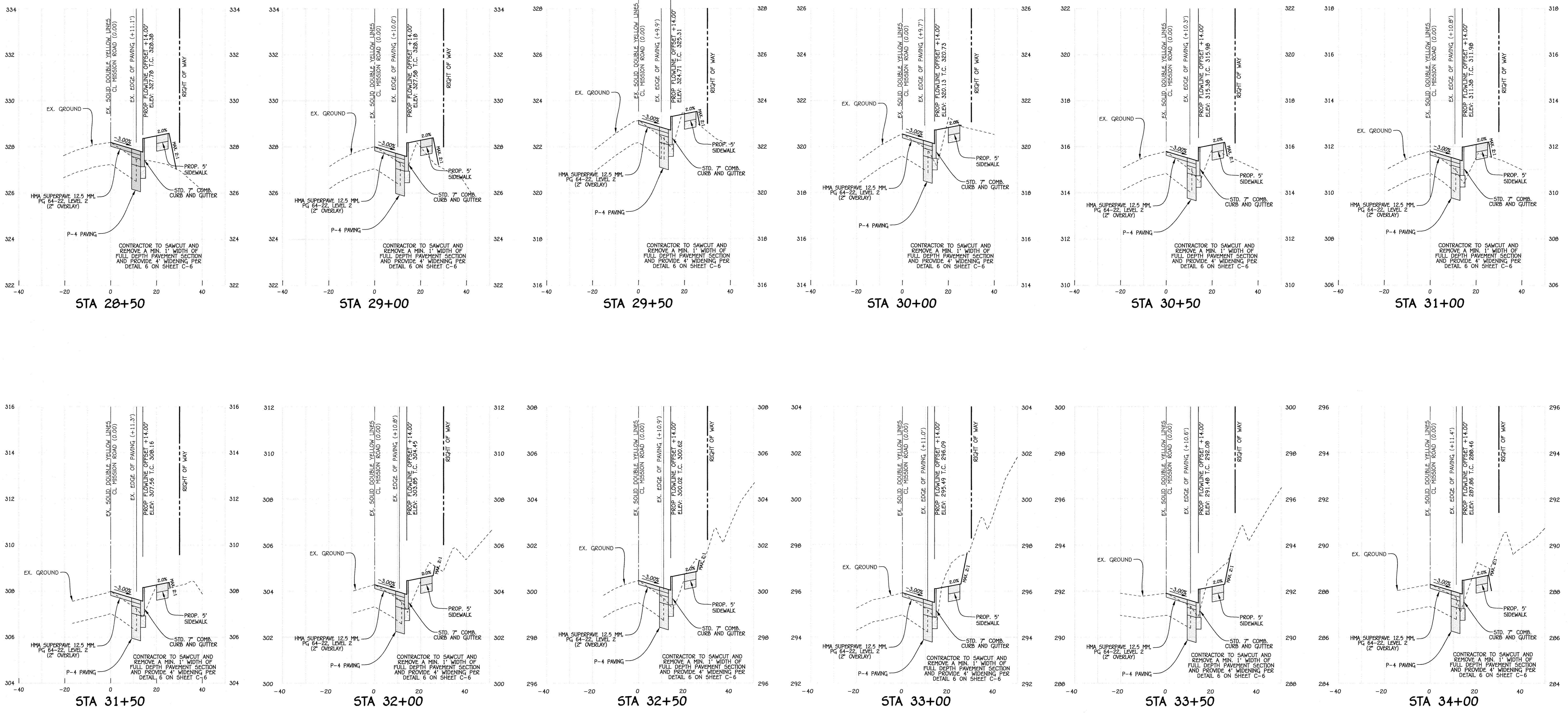


PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
	18 & 24	R-12
	13 & 19	RSC MXD-3 RSA-2 MXD-3
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	

HANDICAP ACCESS DETAIL PLAN

HIGH SCHOOL #13

ZONED: R-SC MXD-3, R-SA-2 MXD-3 AND R-12
PARCEL Nos.: 102, 349, 235
TAX MAP No.: 42 & 43 GRID No.: 24 & 19
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 20' DATE: JUNE, 2020
SHEET 23 OF 25



MISSION ROAD WIDENING SECTIONS

SCALE: HORIZ. : 1" = 20'
VERT. : 1" = 2'

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2995

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 38386, EXPIRATION DATE: JANUARY 12, 2022."
Stephanie J. Tuttle
 STEPHANIE J. TUTTLE, RLA, P.E., LEED AP BC&D
 7/15/20

DATE	DESCRIPTION
	REVISION BLOCK
APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development	<i>[Signature]</i>
Chief, Development Engineering Division	<i>[Signature]</i>
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
Chief, Bureau of Highways	<i>[Signature]</i>

PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 9020 MENDENHALL COURT
 SUITE 'C'
 COLUMBIA, MARYLAND 21045
 Attention: DANIEL LUBELEY
 410-313-6805

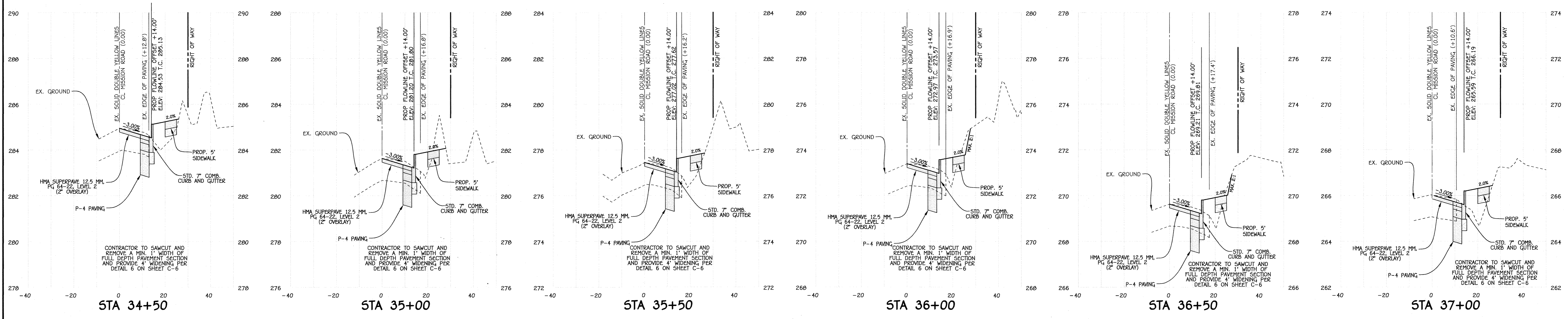
STATE OF MARYLAND
 PROFESSIONAL ENGINEERING
 No. 38386
 7/15/20

PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
-	18 & 24	R-12
-	13 & 19	RSC MXD-3 RSA-2 MXD-3
TAX MAP	ELEC. DIST.	CENSUS TR.
42 & 43	SIXTH	606901
WATER CODE	SEWER CODE	-

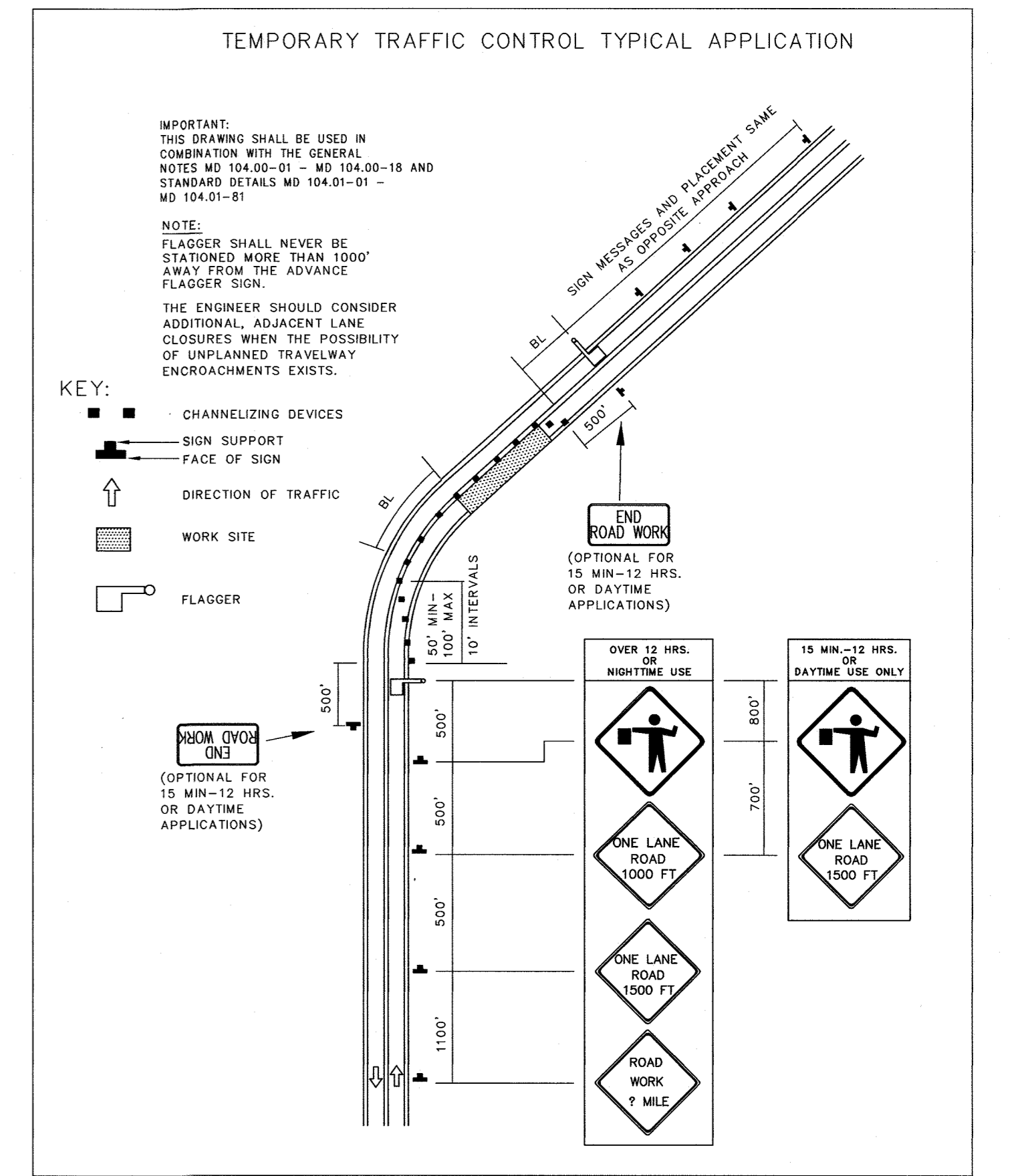
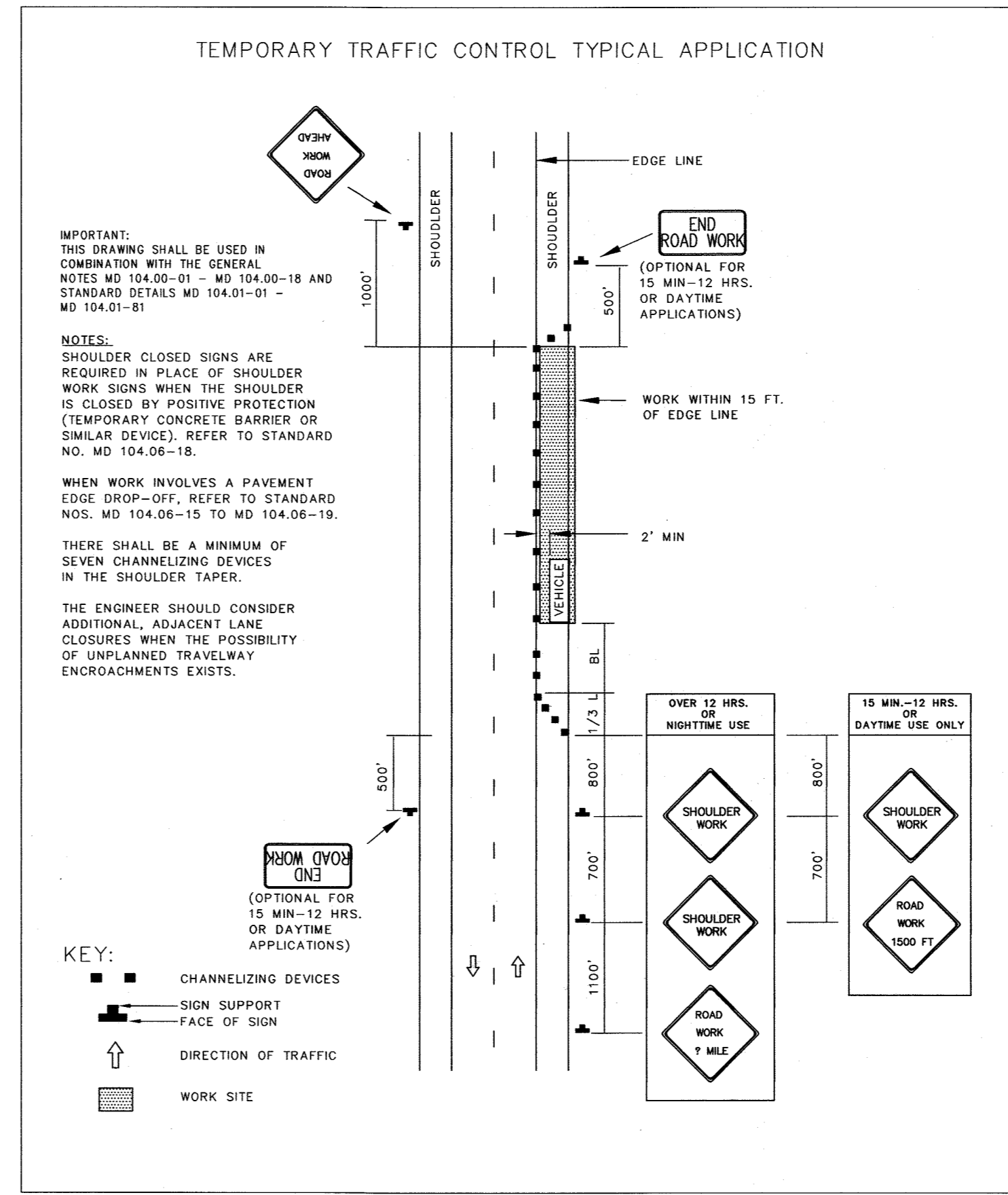
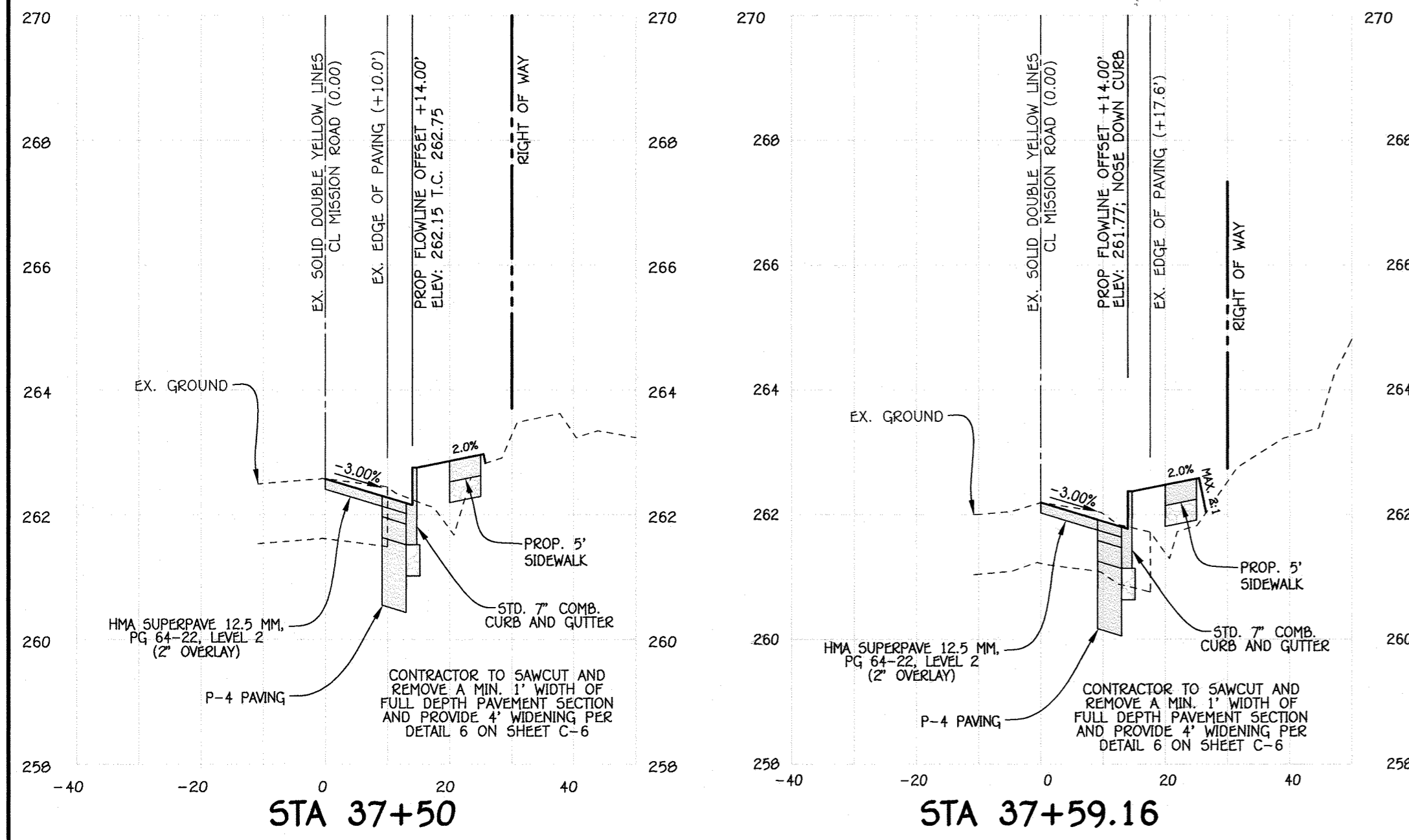
MISSION ROAD - ROAD SECTIONS

HIGH SCHOOL #13

ZONED: R-5C MXD-3, R-5A-0 MXD-3 AND R-12
 PARCEL Nos.: 102, 349, 235
 TAX MAP No.: 42 & 43 GRID No.: 24 & 19
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: JUNE, 2020
 SHEET 24 OF 25



MISSION ROAD WIDENING SECTIONS
 SCALE: HORIZ. : 1" = 20'
 VERT. : 1" = 2'



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2899

"PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY 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. 38386, EXPIRATION DATE: JANUARY 12, 2022."

Stephanie J. Tuite
 STEPHANIE J. TUITE, RLA, P.E., LEED AP BC&D
 DATE: 7/15/20

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Division of Land Development
 Chief, Development Engineering Division
 APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Bureau of Highways

PREPARED FOR
 HOWARD COUNTY PUBLIC SCHOOL SYSTEM
 9020 MENDENHALL COURT
 SUITE 'C'
 COLUMBIA, MARYLAND 21045
 Attention: DANIEL LUBBELEY
 410-313-6805

DATE: 7/15/20

PROJECT	SECTION/AREA	PARCEL
HIGH SCHOOL #13	N/A	102, 349, 235
PLAT NOS.	BLOCK NO.	ZONE
-	18 & 24	R-12
-	13 & 19	RSC MXD-3
WATER CODE	TAX MAP	ELEC. DIST.
---	42 & 43	SIXTH
SEWER CODE	CENSUS TR.	
---	606901	

MISSION ROAD - ROAD SECTIONS

HIGH SCHOOL #13

ZONED: R-SC MXD-3, R-5A-B MXD-3 AND R-12
 PARCEL Nos.: 102, 349, 235
 TAX MAP No.: 42 & 43 GRID No.: 24 & 19
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE: JUNE, 2020
 SHEET 25 OF 25