THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (GEOPAK).
GEOPAK Computer Identification No. 118236

INDEX OF SHEETS

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1	TITLE SHEET
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1B	SURVEY DATA SHEET
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1D	TRANSPORTATION MANAGEMENT PLAN*
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(*) NOT INCLUDED WITH THIS SUBMISSION

MAINTENANCE LEGEND:

XXX–VDOT
94 LF – SHARED USE PATH
88 SY – CURB RAMPS
173 LF – CURB, GUTTER AND SIDEWALK

000–FAIRFAX COUNTY
117 LF – ASPHALT WALKWAY

THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE GENERAL NOTES.

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11U, EXCEPT WHERE OTHERWISE NOTED.

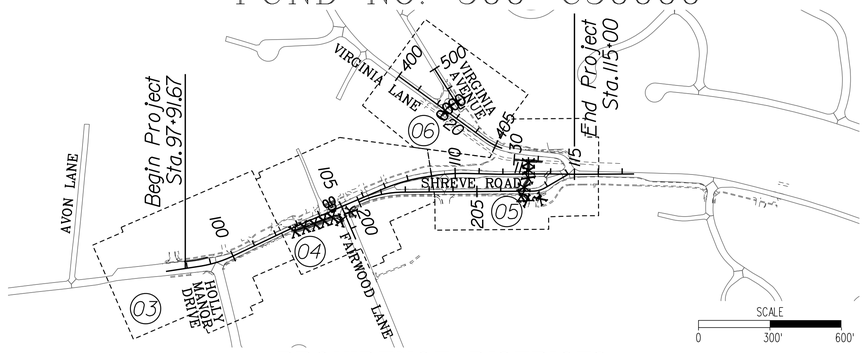
THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, IS FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.

CONVENTIONAL SIGNS

STATE LINE
COUNTY LINE
CITY,TOWN OR VILLAGE
RIGHT OF WAY LINE
FENCE LINE
UNFENCED PROPERTY LINE
FENCED PROPERTY LINE
WATER LINE
SANITARY SEWER LINE
GAS LINE
ELECTRIC UNDERGROUND CABLE
TRAVELED WAY
GUARD RAIL
RETAINING WALL
RAILROADS
BASE OR SURVEY LINE
LEVEE OR EMBANKMENT
BRIDGES
CULVERTS
DROP INLET
POWER POLES
TELEPHONE OR TELEGRAPH POLES
TELEPHONE OR TELEGRAPH LINES
HEDGE
TREES
HEAVY WOODS
GROUND ELEVATION
GRADE ELEVATION

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
PROJECT NO. 1400157–2021
VDOT UPC NO: 118236 PROJECT NO. EN20–029–495
FUND NO. 500–C50000



PROVIDENCE DISTRICTS
TAX MAPS: 39–4, 40–3, 49–2, 50–1
SCALE: 1"=300'

SHREVEWOOD ELEMENTARY SCHOOL SAFE ROUTES TO SCHOOL FROM FAIRWOOD LANE TO VIRGINIA LANE

DESCRIPTION REFERENCE
INTERSECTION OF FAIRWOOD LANE
STA. 105+00.00

FAIRFAX COUNTY POPULATION 1,139,720 (2021 CENSUS)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	LENGTH INCLUDING BRIDGE(S) FEET	LENGTH INCLUDING BRIDGE(S) MILES	LENGTH EXCLUDING BRIDGE(S) FEET	LENGTH EXCLUDING BRIDGE(S) MILES	TYPE PROJECT	DESCRIPTION
EN20-029-495	P101		PENG	118236	1,708.33	0.3235	1,708.33	0.3235	PREL. ENGR.	CONSTRUCTION OF THREE NEW CROSSWALKS WITH SIDEWALK CONNECTIONS SERVING SHREVEWOOD ELEMENTARY SCHOOL AND THE W&OD TRAIL
	R201		ROWA	118236	1,708.33	0.3235	1,708.33	0.3235	RIGHT OF WAY	
	C501		FOOO	118236	1,708.33	0.3235	1,708.33	0.3235	CONSTRUCTION	

NOTE: PROJECT LENGTH BASED ON SHREVE ROAD CONSTRUCTION BASELINE

STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	SEE TABULATION BELOW FOR SECTION NUMBERS	703, 7551	VDOT PROJECT NO. EN20-029-495	1
			SEE TABULATION BELOW FOR SECTION NUMBERS	

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA		
URBAN COLLECTOR		
STREET NAME	SHREVE RD (ROUTE 703)	VIRGINIA LN (ROUTE 7551)
POSTED SPEED (MPH)	35	25
ADT	5,700	2,500
DHV	276	
D (%) (design hour)	57	
T (%) (design hour)	1	
V (MPH)	⊛	

⊛ See Plan and Profile Sheets for horizontal and vertical curve design speed data

PRELIMINARY PLANS
JANUARY 2023

RECOMMENDED FOR APPROVAL
FOR RIGHT OF WAY ACQUISITION

DATE — DISTRICT PLANNING AND INVESTMENT MANAGER

DATE — DISTRICT PROJECT DEVELOPMENT ENGINEER

APPROVED FOR RIGHT OF WAY ACQUISITION

DATE — DISTRICT ENGINEER/ADMINISTRATOR

RECOMMENDED FOR APPROVAL
FOR CONSTRUCTION

DATE — DISTRICT PLANNING AND INVESTMENT MANAGER

DATE — DISTRICT PROJECT DEVELOPMENT ENGINEER

APPROVED FOR CONSTRUCTION

DATE — DISTRICT ENGINEER/ADMINISTRATOR

FINAL PLANS AUTHORIZED FOR ROW ACQUISITION

CHIEF, TRANSPORTATION DESIGN DIVISION — DATE

FINAL PLANS AUTHORIZED FOR CONSTRUCTION
PER DPWES/DOT DELEGATION MATRIX

DIRECTOR, UTILITIES DESIGN AND CONSTRUCTION DIVISION — DATE

DIRECTOR, DEPARTMENT OF TRANSPORTATION — DATE

PROJECT	SHEET NO.
1400157-2021	1

PROJECT MANAGER: MOHAMAD EL KAISSI, (703) 877–5736
SURVEY BY: RICE ASSOCIATES, 01/28/2022
SUBSURFACE UTILITY BY: ACCUMARK, 05/12/2022
DESIGNED BY: WHITMAN, REQUARDT & ASSOCIATES, LLP

PROJECT NO. 1400157–2021 (VDOT PROJ. NO EN20–029–495)
SHREVEWOOD ELEMENTARY SCHOOL SAFE ROUTES TO SCHOOL

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28,2022
DESIGN BY WHITMAN,REQUARDT & ASSOCIATES,LLP (703)293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12,2022

PRELIMINARY RIGHT OF WAY DATA

City/County: FAIRFAX COUNTY

PARCEL NO.	LANDOWNER	TAX MAP NO.	SHEET NO.	AREA								
				TOTAL	FEE TAKING	PRESCRIPTIVE R/W	FEE REMAINDER	EASEMENTS				PROFFERS
								PERMANENT	UTILITY	TEMPORARY	TEMPORARY(ENTRANCES)	
				SQ. FEET / ACRE	SQ. FEET	SQ. FEET	SQ. FEET / ACRE	SQ. FEET	SQ. FEET	SQ. FEET	SQ. FEET	YES / NO
001	THE SCHOOL BOARD OF FAIRFAX COUNTY, VIRGINIA	050-1 ((01)) 0002	5	13.4279 ACRE	0			1892		0		NO
003	LYNNE M. CELIA	050-1 ((13)) 0162	4	19,203 SF	20			0		620		NO
004	CHRISTOPHER D. CAPANNOLA, SABRINA A. CAPANNOLA	049-2 ((01)) 0160	4	0.5000 ACRE	636			0		563		NO

PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL

RIGHT OF WAY DATA SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS

△#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

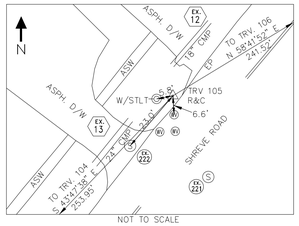
SCALE NTS
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 1A

FUND # 500-C50000

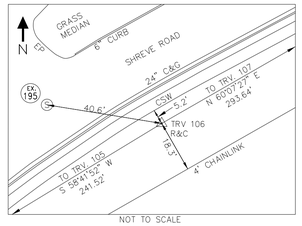
PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28,2022
DESIGN BY WHITMAN,REQUARDT & ASSOCIATES,LLP (703)293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12,2022

SURVEY DATA SHEET

TRAVERSE POINT LOCATION TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	7008128.11	11849333.98	379.33	TRV GPS A R&C
101	7008372.80	11849717.48	378.98	TRV GPS B R&C
102	7008527.38	11850001.09	376.02	TRV 102 R&C
103	7008729.80	11850293.29	385.21	TRV 103 R&C
104	7009026.09	11850434.47	393.79	TRV 104 R&C
105	7009209.40	11850610.22	405.74	TRV 105 R&C
106	7009334.88	11850816.58	409.02	TRV 106 R&C
107	7009481.15	11851071.20	411.95	TRV 107 R&C
108	7009657.88	11851284.70	412.23	TRV 108 R&C
109	7009825.99	11851499.73	408.51	TRV 109 R&C
110	7009972.46	11851810.52	407.25	TRV 110 R&C
111	7010051.77	11852056.45	400.13	TRV 111 R&C
112	7010150.37	11852425.77	406.70	TRV GPS C R&C
113	7010201.04	11853026.03	390.39	TRV GPS D R&C



NOT TO SCALE



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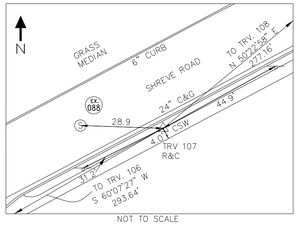

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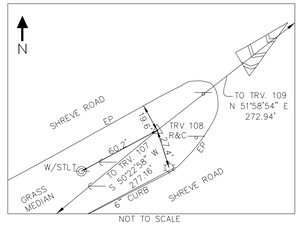


NOT TO SCALE

SANITARY SEWER TABLE

SANITARY SEWER CONNECTIONS ARE PER FAIRFAX COUNTY GIS.

EX. 088 — EX. SAN MH-088
POINT # 62138
FCWM # 040-3-088
TOP = 411.95

EX. 195 — EX. SAN MH-195
POINT # 62473
FCWM # 050-1-195
TOP = 408.46

EX. 221 — EX. SAN MH-221
POINT # 63064
FCWM # 050-1-221
TOP = 405.51

EX. 222 — EX. SAN MH-222
POINT # 63172
FCWM # 050-1-222
TOP = 405.00

EX. 223 — EX. SAN MH-223
POINT # 63171
FCWM # 050-1-223
TOP = 402.11

EX. 258 — EX. SAN MH-258
POINT # 62663
FCWM # 050-1-258
TOP = 407.49

EX. 286 — EX. SAN MH-286
POINT # 60522
FCWM # 040-3-286
TOP = 413.15

EX. 287 — EX. SAN MH-287
POINT # 60523
FCWM # 040-3-287
TOP = 420.66

EX. 288 — EX. SAN MH-288
POINT # 60547
FCWM # 040-3-288
TOP = 430.96

EX. 289 — EX. SAN MH-289
POINT # 60280
FCWM # 040-3-289
TOP = 444.04

STORM SEWER TABLE

EX. 1 — EX. STM STR-1
POINT #61336/61338
MSMD #N/A
INV. IN 18" CMP =407.82
INV. OUT 18" CMP =406.53

EX. 2 — EX. STM STR-2
POINT #61340/61342
MSMD #N/A
INV. IN 15" CMP =408.98
INV. OUT 15" CMP =408.50

EX. 3 — EX. STM STR-3
POINT #61279/61281
MSMD #N/A
INV. IN 18" CMP =411.27
INV. OUT 18" CMP =410.72

EX. 4 — EX. STM STR-4
POINT #60731/60733
MSMD #N/A
INV. IN 18" CMP =419.03
INV. OUT 18" CMP =418.23

EX. 5 — EX. STM STR-5
POINT #60581/60583
MSMD #N/A
INV. IN 18" CMP =425.99
INV. OUT 18" CMP =424.25

EX. 6 — EX. STM STR-6
POINT #60386/60388
MSMD #N/A
INV. IN 15" CMP =430.89
INV. OUT 15" CMP =430.32

EX. 7 — EX. STM STR-6
POINT #60224/60226
MSMD #N/A
INV. IN 15" CMP =433.32
INV. OUT 15" CMP =432.16

EX. 8 — EX. STM STR-8
POINT #60107/60109
MSMD #N/A
INV. IN 15" CMP =440.77
INV. OUT 15" CMP =439.68

STORM SEWER TABLE

EX. 9 — EX. STM STR-8
POINT #60067/60403
MSMD #N/A
INV. IN 15" CMP =438.14
INV. OUT 15" CMP =434.52

EX. 10 — EX. STM STR-10
POINT #62628/62626
MSMD #N/A
INV. IN ??" CMP =406.28
INV. OUT ??" CMP =406.24
(NEEDS FIELD VERIFICATION)

EX. 11 — EX. STM STR-11
POINT #62746/62748
MSMD #N/A
INV. IN 18" CMP =405.29
INV. OUT 18" CMP =405.24

EX. 12 — EX. STM STR-12
POINT #63105/63107
MSMD #N/A
INV. IN 18" CMP =404.12
INV. OUT 18" CMP =404.27
(NEEDS FIELD VERIFICATION)

EX. 13 — EX. STM STR-13
POINT #63187/63189
MSMD #N/A
INV. IN 24" CMP =403.14
INV. OUT 24" CMP =402.70

EX. 14 — EX. STM STR-14
POINT #63238/63240
MSMD #N/A
INV. IN 24" CMP =400.64
INV. OUT 24" CMP =399.59

EX. 15 — EX. STM STR-15
POINT #63259/63261
MSMD #N/A
INV. IN 24" CMP =399.29
INV. OUT 24" CMP =398.34

EX. 16 — EX. STM STR-16
POINT #63280/63282
MSMD #N/A
INV. IN 24" CMP =399.06
INV. OUT 24" CMP =398.27

STORM SEWER TABLE

EX. 620 — EX. STM STR-620
POINT #61673
MSMD #STMN 0403 417 620
INV. OUT 15" RCP TO EX. 622 =409.08

EX. 622 — EX. STM STR-622
POINT #61653
MSMD #STMN 0403 417 622
TOP =413.20
INV. IN 15" RCP FROM S.W. =409.85
INV. OUT 18" RCP TO EX. 620 =409.72

EX. 692 — EX. STM STR-692
POINT #62267
MSMD #STMN 0403 417 692
TOP =410.32
INV. OUT 15" RCP TO EX. 907 =404.52

EX. 907 — EX. STM STR-907
POINT #62485
MSMD #STMN 0501 417 907
TOP =407.76
INV. IN 15" RCP FROM EX. 692 =397.51
INV. OUT 33" RCP TO S.W. =394.46

TREE TABLE	
POINT #	DBH" TYPE CANOPY'
60038	40 OAK 60
60101	24 CHERRY 40
60102	24 CHERRY 40
60133	4 MAPLE 15
60148	14 OAK 40 TWIN
60149	14 OAK 40
60287	16 HOLLY 30
60289	18 ELM 50
60324	8 DOGWOOD 20
60326	4 DOGWOOD 10
60364	6 CHERRY 20 TWIN
60365	4 CHERRY 12
60366	8 CHERRY 20
60367	6 CHERRY 10
60368	8 CHERRY 25
60369	4 MULBERRY 25 TWIN
60466	12 BRAD PEAR 25
60532	8 DOGWOOD 25
60624	4 CREPE MYRTLE 15 QUINT
60625	4 CREPE MYRTLE 15 QUINT
60654	4 DOGWOOD 15
60716	14 CEDAR 30
60717	24 CEDAR 35
60718	4 CHERRY 12
60896	4 MAPLE 8
60897	6 MAPLE 16
61130	4 MULBERRY 12
61131	14 CHERRY 30
61133	2X10 MAGNOLIA 30
61284	6 LOCUST 20

TREE TABLE	
POINT #	DBH" TYPE CANOPY'
61285	10 LOCUST 30
61286	8 LOCUST 25
61288	36 MAPLE 50
61452	26 POPLAR 50
61453	3X4 LOCUST 25
61678	12 OAK 30
61679	6 CHERRY 20
61680	14 CHERRY 35
61681	18 CHERRY 40
61682	16 CHERRY 30
61683	14 CHERRY 30
61684	14 MAPLE 40
62030	8 CHERRY 15
62031	12 CHERRY 20
62032	14 CHERRY 20
62033	8 CHERRY 20
62034	10 CHERRY 20
62035	12 CHERRY 25
62036	16 CHERRY 30
62037	10 CHERRY 25
62038	30 OAK 50
62039	2X14 OAK 50
62136	18 CHERRY 40
62140	18 CHERRY 40
62336	10 CYPRESS 20
62337	10 CYPRESS 20
62338	8 CYPRESS 15
62339	12 CHERRY 30
62340	24 OAK 50
62341	36 OAK 60

TREE TABLE	
POINT #	DBH" TYPE CANOPY'
62470	10 HOLLY 20
62471	12 CHERRY 25
62472	6 MAPLE 15
62595	6 HOLLY 10
62596	18 POPLAR 30
62597	22 POPLAR 35
62598	24 POPLAR 35
62637	22 POPLAR 30
62638	36 POPLAR 35
62736	5X4 CREPE MYRTLE 10
62888	4 DOGWOOD 8
62889	6 HOLLY 4
62928	4 HOLLY 4
62929	4 DOGWOOD 12
63101	4 HOLLY 6
63102	6 MAPLE 12
63103	6 DOGWOOD 15
63104	4 HOLLY 4
63356	10 CRAB APPLE 25
63376	38 MAPLE 50

SYMBOLS LEGEND

SURVEY CONTROL POINT	IRRIGATION CONTROL BOX
IRON PIPE FOUND	STORM DRAIN MANHOLE
CONCRETE MONUMENT FOUND	SANITARY SEWER MANHOLE
NAIL FOUND	SANITARY SEWER CLEANOUT
DECIDUOUS TREE	GAS VALVE
CONIFEROUS TREE	UTILITY POLE
EVERGREEN SHRUB	GUY ANCHOR
DECIDUOUS SHRUB	SIGN POST
FIBER OPTIC WITNESS POST	LIGHT POLE
FIBER OPTIC MANHOLE	BOLLARD
TELEPHONE PEDESTAL	POST
WATER VALVE	HANDICAP RAMP
WATER METER	MAIL BOX
FIRE HYDRANT	
EX. OVERHEAD UTILITY LINE	
EX. OVERHEAD ELECTRIC LINE	
EX. FENCE LINE	
EX. STORM SEWER	
EX. SANITARY SEWER	
EX. TREELINE	
EX. GUARDRAIL	

ABBREVIATIONS

ASPH.	ASPHALT
ASW	ASPHALT SIDEWALK
APPROX.	APPROXIMATE
C&G	CURB & GUTTER
CH X	CHISELED X MARK
COMM.	COMMUNICATION
CONC.	CONCRETE
CSW	CONCRETE SIDEWALK
DHF	DRILL HOLE FOUND
D.B.	DEED BOOK
D/W	DRIVEWAY
EP	EDGE OF PAVEMENT
ESMT.	EASEMENT
EX.	EXISTING
FOHH	FIBER OPTIC HANDHOLE
IPF	IRON PIPE FOUND
IRF	IRON ROD FOUND
MF	MONUMENT FOUND
NF	NAIL FOUND
PG.	PAGE
RET. W	RETAINING WALL
R&C	ROD AND CAP
RCP	REINFORCED CONCRETE PIPE
STLT	STREET LIGHT
TRV	TRAVERSE
W/	WITH/

PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

EMERGENCY POLICE – FIRE – RESCUE 911 REVISED: FEBRUARY 2021

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

REVISIONS

△#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
SURVEY DATA SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE N.T.S.
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 1B

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

CONSTRUCTION ALIGNMENT DATA SHEET

(C1) Curve 001
PI = 99+26.07
DELTA = 16°45'47.47" (LT)
D = 11°15'21"
T = 74.99'
L = 148.93'
R = 509.03'
PC = 98+51.07
PT = 99+99.99
e = existing

(C2) Curve 002
PI = 102+75.11
DELTA = 01°54'52.33" (RT)
D = 3°49'11"
T = 25.06'
L = 50.12'
R = 1500.00'
PC = 102+50.05
PT = 103+00.17
e = existing

(C3) Curve 003
PI = 107+83.02
DELTA = 14°04'43.31" (RT)
D = 7°38'22"
T = 92.61'
L = 184.29'
R = 750.00'
PC = 106+90.41
PT = 108+74.70
e = existing

(C4) Curve 004
PI = 109+78.91
DELTA = 10°15'31.49" (RT)
D = 7°38'22"
T = 67.32'
L = 134.29'
R = 750.00'
PC = 109+11.59
PT = 110+45.87
e = existing

(C5) Curve 005
PI = 111+83.29
DELTA = 75°41'04.78" (LT)
D = 5°43'46"
T = 16.59'
L = 33.18'
R = 1000.00'
PC = 111+66.69
PT = 111+99.88
e = existing

(C6) Curve 006
PI = 113+61.75
DELTA = 00°59'57.01" (RT)
D = 1°54'35"
T = 26.16'
L = 52.32'
R = 3000.00'
PC = 113+35.59
PT = 113+87.90
e = existing

(C7) Curve 007
PI = 115+31.06
DELTA = 00°52'12.01" (LT)
D = 1°08'45"
T = 37.96'
L = 75.92'
R = 5000.00'
PC = 114+93.10
PT = 115+69.02
e = existing

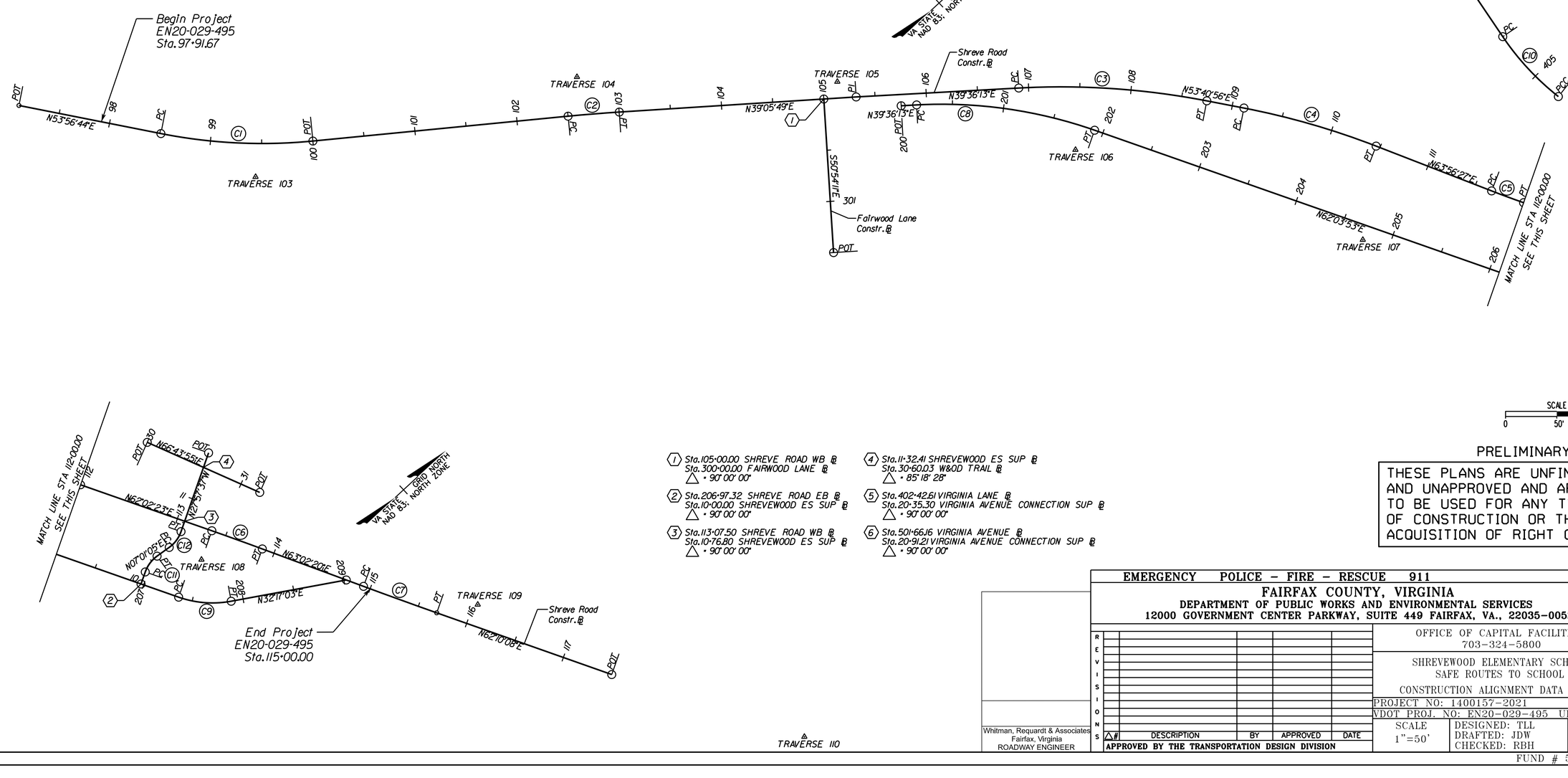
(C8) Curve 008
PI = 201+04.42
DELTA = 22°27'39.96" (RT)
D = 12°43'57"
T = 89.35'
L = 176.41'
R = 450.00'
PC = 200+15.07
PT = 201+91.48
e = existing

(C9) Curve 009
PI = 207+62.76
DELTA = 29°46'49.65" (LT)
D = 57°17'45"
T = 26.59'
L = 51.98'
R = 100.00'
PC = 207+36.17
PT = 207+88.15
e = existing

(C10) Curve 010
PI = 404+90.32
DELTA = 17°37'46.09" (LT)
D = 22°02'13"
T = 40.32'
L = 80.00'
R = 260.00'
PC = 404+50.00
PT = 405+30.00
e = existing

(C11) Curve 011
PI = 10+22.51
DELTA = 34°57'12.55" (RT)
D = 179°02'58"
T = 10.08'
L = 19.52'
R = 32.00'
PC = 10+12.44
PT = 10+31.96
e = existing

(C12) Curve 012
PI = 10+56.65
DELTA = 34°58'42.48" (LT)
D = 179°02'58"
T = 10.08'
L = 19.54'
R = 32.00'
PC = 10+46.57
PT = 10+66.10
e = existing



SCALE
0 50' 100'

1. Sta. 105+00.00 SHREVE ROAD WB @
Sta. 300+00.00 FAIRWOOD LANE @
△ = 90° 00' 00"

2. Sta. 206+97.32 SHREVE ROAD EB @
Sta. 10+00.00 SHREVEWOOD ES SUP @
△ = 90° 00' 00"

3. Sta. 113+07.50 SHREVE ROAD WB @
Sta. 10+76.80 SHREVEWOOD ES SUP @
△ = 90° 00' 00"

4. Sta. 11+32.41 SHREVEWOOD ES SUP @
Sta. 30+60.03 W&OD TRAIL @
△ = 85° 18' 28"

5. Sta. 402+42.61 VIRGINIA LANE @
Sta. 20+35.30 VIRGINIA AVENUE CONNECTION SUP @
△ = 90° 00' 00"

6. Sta. 501+66.16 VIRGINIA AVENUE @
Sta. 20+91.21 VIRGINIA AVENUE CONNECTION SUP @
△ = 90° 00' 00"

PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL

CONSTRUCTION ALIGNMENT DATA SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

SCALE 1"=50'
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 1C(1)

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KASSIS, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703)293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

CONSTRUCTION ALIGNMENT DATA SHEET

Alignment Name: Shreve Road WB Ext
Alignment Description:
Alignment Style: Linear\Road Design\Alignments\Horizontal\25 Scale Baselines

		Station	Northing	Easting
Element: Linear				
START	( )	97+10.000 R1	7008607.6218024	11850085.5216585
PC	( )	98+51.070 R1	7008690.6490744	11850199.5708453
Tangential Direction:		N53°56'44.0083057"E		
Tangential Length:		141.070000		
Element: Circular				
PC	(25 Scale Baselines30)	98+51.070 R1	7008690.6490744	11850199.5708453
HPI	( )	99+26.069 R1	7008734.7902791	11850260.2047598
CC	( )		7009102.1759476	11849899.9812161
PT	(Shreve Road WB)	99+99.997 R1	7008794.5435328	11850305.5309796
Radius:		509.026830		
Delta:		16°45'47.467" Left		
Degree of Curvature (Arc):		11°15'21.402"		
Length:		148.927393		
Tangent:		74.999450		
Chord:		148.396794		
Middle Ordinate:		5.436807		
External:		5.495503		
Back Tangent Direction:		N53°56'44.0083085"E		
Back Radial Direction:		S36°03'15.9916915"E		
Chord Direction:		N45°33'50.2746917"E		
Ahead Radial Direction:		S52°49'03.4589250"E		
Ahead Tangent Direction:		N37°10'56.5410751"E		

Alignment Name: Shreve Road WB
Alignment Description:
Alignment Style: Linear\Road Design\Alignments\Horizontal\25 Scale Baselines

		Station	Northing	Easting
Element: Linear				
START	( )	100+00.000 R1	7008794.5435328	11850305.5309796
PC	( )	102+50.051 R1	7008993.7626150	11850456.6506051
Tangential Direction:		N37°10'56.9965199"E		
Tangential Length:		250.050763		
Element: Circular				
PC	( )	102+50.051 R1	7008993.7626150	11850456.6506051
HPI	( )	102+75.114 R1	7009013.7311115	11850471.7979076
CC	( )		7008087.2289345	11851651.7224381
PT	( )	103+00.173 R1	7009033.1824087	11850487.6038769
Radius:		1500.000000		
Delta:		01°54'52.330" Right		
Degree of Curvature (Arc):		03°49'10.987"		
Length:		50.122439		
Tangent:		25.063552		
Chord:		50.120108		
Middle Ordinate:		0.209350		
External:		0.209379		
Back Tangent Direction:		N37°10'56.9965226"E		
Back Radial Direction:		S52°49'03.0034775"E		
Chord Direction:		N38°08'23.1616058"E		
Ahead Radial Direction:		S50°54'10.6733179"E		
Ahead Tangent Direction:		N39°05'49.3266822"E		
Element: Linear				
PT	( )	103+00.173 R1	7009033.1824087	11850487.6038769
HPI	( )	105+31.599 R1	7009212.7868332	11850633.5490023
Tangential Direction:		N39°05'49.3266766"E		
Tangential Length:		231.425428		
Element: Linear				
HPI	( )	105+31.599 R1	7009212.7868332	11850633.5490023
PC	( )	106+90.409 R1	7009335.1458383	11850734.7858449
Tangential Direction:		N39°36'12.6799768"E		
Tangential Length:		158.810026		
Element: Circular				
PC	( )	106+90.409 R1	7009335.1458383	11850734.7858449
HPI	( )	107+83.020 R1	7009406.5005741	11850793.8230050
CC	( )		7008857.0414869	11851312.6423962
PT	( )	108+74.699 R1	7009461.3509440	11850868.4441918
Radius:		750.001310		
Delta:		14°04'43.314" Right		
Degree of Curvature (Arc):		07°38'21.926"		
Length:		184.290052		
Tangent:		92.611471		
Chord:		183.826773		
Middle Ordinate:		5.653344		
External:		5.696281		
Back Tangent Direction:		N39°36'12.6799755"E		
Back Radial Direction:		S50°23'47.3200245"E		
Chord Direction:		N46°38'34.3369287"E		
Ahead Radial Direction:		S36°19'04.0061196"E		
Ahead Tangent Direction:		N53°40'55.9938805"E		
Element: Linear				
PT	( )	108+74.699 R1	7009461.3509440	11850868.4441918
PC	( )	109+11.587 R1	7009483.1982823	11850898.1664037
Tangential Direction:		N53°40'55.9938852"E		
Tangential Length:		36.887885		
Element: Circular				
PC	( )	109+11.587 R1	7009483.1982823	11850898.1664037
HPI	( )	109+78.910 R1	7009523.0713914	11850952.4117758
CC	( )		7008878.8898806	11851342.3638324
PT	( )	110+45.873 R1	7009552.6463080	11851012.8911073
Radius:		750.000000		
Delta:		10°15'31.486" Right		
Degree of Curvature (Arc):		07°38'21.974"		
Length:		134.286671		
Tangent:		67.323289		
Chord:		134.107367		
Middle Ordinate:		3.003478		
External:		3.015554		
Back Tangent Direction:		N53°40'55.9938817"E		
Back Radial Direction:		S36°19'04.0061183"E		
Chord Direction:		N58°48'41.7367166"E		
Ahead Radial Direction:		S26°03'32.5204477"E		
Ahead Tangent Direction:		N63°56'27.4795523"E		
Element: Linear				
PT	( )	110+45.873 R1	7009552.6463080	11851012.8911073
PC	( )	111+66.695 R1	7009605.7227113	11851121.4298882
Tangential Direction:		N63°56'27.4795536"E		
Tangential Length:		120.821238		
Element: Circular				
PC	( )	111+66.695 R1	7009605.7227113	11851121.4298882
HPI	( )	111+83.288 R1	7009613.0122868	11851136.3367316
CC	( )		7010504.0646145	11850682.1329214
PT	( )	111+99.879 R1	7009620.7924331	11851150.9935121
Radius:		1000.000000		
Delta:		01°54'04.777" Left		
Degree of Curvature (Arc):		05°43'46.481"		
Length:		33.184415		
Tangent:		16.593730		
Chord:		33.182893		
Middle Ordinate:		0.137648		
External:		0.137668		
Back Tangent Direction:		N63°56'27.4795519"E		
Back Radial Direction:		S26°03'32.5204481"E		
Chord Direction:		N62°59'25.0910444"E		
Ahead Radial Direction:		S27°57'37.2974567"E		
Ahead Tangent Direction:		N62°02'22.7025431"E		
Element: Linear				
PT	( )	111+99.879 R1	7009620.7924331	11851150.9935121
PC	( )	113+35.586 R1	7009684.4200117	11851270.8595689
Tangential Direction:		N62°02'22.7025435"E		
Tangential Length:		135.706818		
Element: Circular				
PC	( )	113+35.586 R1	7009684.4200117	11851270.8595689
HPI	( )	113+61.745 R1	7009696.6848939	11851293.9650066
CC	( )		7007034.6034675	11852677.4413411
PT	( )	113+87.902 R1	7009708.5449997	11851317.2808055
Radius:		3000.000000		
Delta:		00°59'57.017" Right		
Degree of Curvature (Arc):		01°54'35.494"		
Length:		52.316495		
Tangent:		26.158910		
Chord:		52.315832		
Middle Ordinate:		0.114042		
External:		0.114046		
Back Tangent Direction:		N62°02'22.7025405"E		
Back Radial Direction:		S27°57'37.2974594"E		
Chord Direction:		N62°32'21.2111467"E		
Ahead Radial Direction:		S26°57'40.2802473"E		
Ahead Tangent Direction:		N63°02'19.7197525"E		
Element: Linear				
PT	( )	113+87.902 R1	7009708.5449997	11851317.2808055
PC	( )	114+93.097 R1	7009756.2389022	11851411.0423164
Tangential Direction:		N63°02'19.7197579"E		
Tangential Length:		105.194721		
Element: Circular				
PC	( )	114+93.097 R1	7009756.2389022	11851411.0423164
HPI	( )	115+31.059 R1	7009773.4502886	11851444.8782055
CC	( )		7014212.8081225	11849144.1080905
PT	( )	115+69.019 R1	7009791.1734500	11851478.4488588
Radius:		5000.000000		
Delta:		00°52'12.014" Left		
Degree of Curvature (Arc):		01°08'45.296"		
Length:		75.922166		
Tangent:		37.961813		
Chord:		75.921437		
Middle Ordinate:		0.144104		
External:		0.144108		
Back Tangent Direction:		N63°02'19.7197577"E		
Back Radial Direction:		S26°57'40.2802422"E		
Chord Direction:		N62°36'13.7126663"E		
Ahead Radial Direction:		S27°49'52.2944271"E		
Ahead Tangent Direction:		N62°10'07.7055729"E		
Element: Linear				
PT	( )	115+69.019 R1	7009791.1734500	11851478.4488588
END	( )	117+50.002 R1	7009875.6688269	11851638.4973374
Tangential Direction:		N62°10'07.7055702"E		
Tangential Length:		180.983381		

Alignment Name: Fairwood Lane
Alignment Description:
Alignment Style: Linear\Road Design\Alignments\Horizontal\25 Scale Baselines

		Station	Northing	Easting
Element: Linear				
START	( )	300+00.000 R1	7009188.2637985	11850613.6217794
END	( )	301+50.000 R1	7009093.6684510	11850730.0336356
Tangential Direction:		S50°54'10.6733289"E		
Tangential Length:		150.000000		

Alignment Name: Shreve Road EB
Alignment Description:
Alignment Style: Linear\Road Design\Alignments\Horizontal\25 Scale Baselines

		Station	Northing	Easting
Element: Linear				
START	( )	200+00.000 R1	7009239.2142776	11850669.6913468
PC	( )	200+15.072 R1	7009250.8265334	11850679.2990427
Tangential Direction:		N39°36'12.6800063"E		
Tangential Length:		15.071573		
Element: Circular				
PC	( )	200+15.072 R1	7009250.8265334	11850679.2990427
HPI	( )	201+04.423 R1	7009319.6697542	11850736.2582367
CC	( )		7008963.9644236	11851026.0123680
PT	( )	201+91.481 R1	7009361.5288623	11850815.1984286
Radius:		450.000000		
Delta:		22°27'39.958" Right		
Degree of Curvature (Arc):		12°43'56.624"		
Length:		176.409063		
Tangent:		89.351770		
Chord:		175.281627		
Middle Ordinate:		8.616847		
External:		8.785068		
Back Tangent Direction:		N39°36'12.6799807"E		
Back Radial Direction:		S50°23'47.3200192"E		
Chord Direction:		N50°50'02.6591709"E		
Ahead Radial Direction:		S27°56'07.3616383"E		
Ahead Tangent Direction:		N62°03'52.6383618"E		
Element: Linear				
PT	( )	201+91.481 R1	7009361.5288623	11850815.1984286
PC	( )	207+36.170 R1	7009616.7022878	11851296.4184086
Tangential Direction:		N62°03'52.6383622"E		
Tangential Length:		544.689036		
Element: Circular				
PC	( )	207+36.170 R1	7009616.7022878	11851296.4184086
HPI	( )	207+62.759 R1	7009629.1589007	11851319.9097695
CC	( )		7009705.0499409	11851249.5708665
PT	( )	207+88.146 R1	7009651.6380712	11851334.1118163
Radius:		100.000000		
Delta:		29°46'49.651" Left		
Degree of Curvature (Arc):		57°17'44.806"		
Length:		51.976705		
Tangent:		26.589683		
Chord:		51.393598		
Middle Ordinate:		3.358009		
External:		3.474689		
Back Tangent Direction:		N62°03'52.6383655"E		
Back Radial Direction:		S27°56'07.3616346"E		
Chord Direction:		N47°10'27.8130761"E		
Ahead Radial Direction:		S57°42'57.0122142"E		
Ahead Tangent Direction:		N32°17'02.9877858"E		
Element: Linear				
PT	( )	207+88.146 R1	7009651.6380712	11851334.1118163
END	( )	209+02.259 R1	7009748.1098702	11851395.0614408
Tangential Direction:		N32°17'02.9877850"E		
Tangential Length:		114.112509		

Alignment Name: Shreve SUP
Alignment Description:
Alignment Style: Linear\Road Design\Alignments\Horizontal\25 Scale Baselines

		Station	Northing	Easting
Element: Linear				
START	( )	10+00.000 R1	7009598.5021880	11851262.0956667
PC	( )	10+12.438 R1	7009609.4913080	11851256.2685366
Tangential Direction:		N27°56'07.3616252"W		
Tangential Length:		12.438497		
Element: Circular				
PC	( )	10+12.438 R1	7009609.4913080	11851256.2685367
HPI	( )	10+22.514 R1	7009618.3925836	11851251.5485145
CC	( )		7009624.4825215	11851284.5397856
PT	( )	10+31.960 R1	7009628.3923779	11851252.7795428
Radius:		32.000000		
Delta:		34°57'12.548" Right		
Degree of Curvature (Arc):		179°02'57.520"		
Length:		19.521709		
Tangent:		10.075282		
Chord:		19.220393		
Middle Ordinate:		1.477154		
External:		1.548641		
Back Tangent Direction:		N27°56'07.3616539"W		
Back Radial Direction:		N62°03'52.6383459"E		
Chord Direction:		N10°27'31.0878540"W		
Ahead Radial Direction:		S82°58'54.8140516"E		
Ahead Tangent Direction:		N07°01'05.1859485"E		
Element: Linear				
PT	( )	10+31.960 R1	7009628.3923779	11851252.7795428
PC	( )	10+46.566 R1	7009642.8882487	11851254.5640623
Tangential Direction:		N07°01'05.1859813"E		
Tangential Length:		14.605300		
Element: Circular				
PC	( )	10+46.566 R1	7009642.8882487	11851254.5640623
HPI	( )	10+56.648 R1	7009652.8956540	11851255.7960277
CC	( )		7009646.7981051	11851222.8038195
PT	( )	10+66.101 R1	7009661.8016440	11851251.0685294
Radius:		32.000000		
Delta:		34°58'42.483" Left		
Degree of Curvature (Arc):		179°02'57.520"		
Length:		19.535662		
Tangent:		10.082951		
Chord:		19.233701		
Middle Ordinate:		1.479250		
External:		1.550945		
Back Tangent Direction:		N07°01'05.1859549"E		
Back Radial Direction:		S82°58'54.8140452"E		
Chord Direction:		N10°28'16.0557535"W		
Ahead Radial Direction:		N62°02'22.7025642"E		
Ahead Tangent Direction:		N27°57'37.2974358"W		

Alignment Name: Virginia Lane
Alignment Description:
Alignment Style: Linear\Road Design\Alignments\Horizontal\25 Scale Baselines

		Station	Northing	Easting
Element: Linear				
START	( )	400+00.000 R1	7009783.6358114	11850573.5513603
PC	( )	404+50.000 R1	7009715.7451211	11851018.4006091
Tangential Direction:		S81°19'21.9237390"E		
Tangential Length:		450.000000		
Element: Circular				
PC	( )	404+50.000 R1	7009715.7451211	11851018.4006091
HPI	( )	404+90.319 R1	7009709.6623267	11851058.2577164
CC	( )		7009972.7691315	11851057.6263413
PT	( )	405+30.000 R1	7009715.9363394	11851098.0851711
Radius:		260.000000		
Delta:		17°37'46.094" Left		
Degree of Curvature (Arc):		22°02'12.618"		
Length:		80.000000		
Tangent:		40.318599		
Chord:		79.684791		
Middle Ordinate:		3.070859		
External:		3.107562		
Back Tangent Direction:		S81°19'21.9237385"E		
Back Radial Direction:		S08°40'38.0762614"W		
Chord Direction:		N89°51'45.0291447"E		
Ahead Radial Direction:		S08°57'08.0179678"E		
Ahead Tangent Direction:		N81°02'51.9820321"E		

Alignment Name: Virginia Avenue
Alignment Description:

	Station	Northing	Easting
Element: Linear			
START ( )	500+00.000 R1	7009680.6785302	11850693.4660726
END ( )	502+00.000 R1	7009779.8959273	11850866.2169542
Tangential Direction:	S59°44'26.7995888"E		
Tangential Length:	200.000000		

Alignment Name: **Virginia Lane Connection**
Alignment Description:
Alignment Style:

		Station	Northing	Easting
Element: Linear				
START	( )	**20**+00.000	7009712.1397640	11850808.0640914
HPI	( )	**20**+48.269	7009759.8561542	11850815.3463308
Tangential Direction:		N08°40'38.0768173"E		
Tangential Length:		48.268881		
Element: Linear				
HPI	( )	**20**+48.269	7009759.8561542	11850815.3463308
END	( )	**21**+19.998	7009821.8128412	11850851.4917683
Tangential Direction:		N30°15'33.2004234"E		
Tangential Length:		71.729518		

PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
CONSTRUCTION ALIGNMENT DATA SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER

SCALE 1"=50'
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 1C(2)

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703) 877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703) 968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

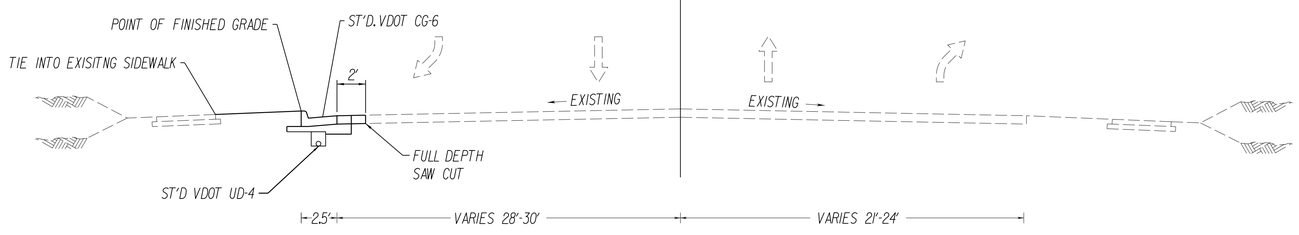
PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

TYPICAL SECTIONS

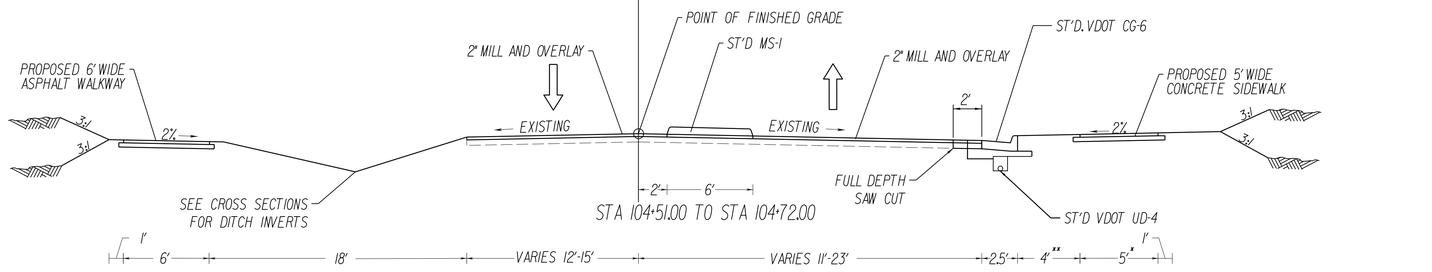
NOT TO SCALE

SHREVE ROAD (RTE 703) CONSTRUCTION



STA 97+91.67 TO STA 98+93.30

SHREVE ROAD (RTE 703) CONSTRUCTION



STA 104+35.67 TO STA 104+80.74

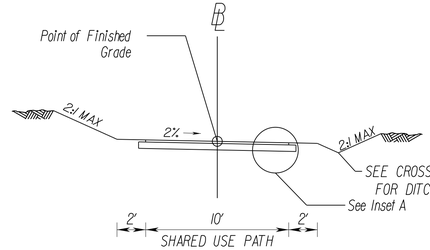
STA 104+51.00 TO STA 104+72.00

STA 102+65.00 TO STA 105+52.69

* Sidewalk Begins Sta. 102+75.00

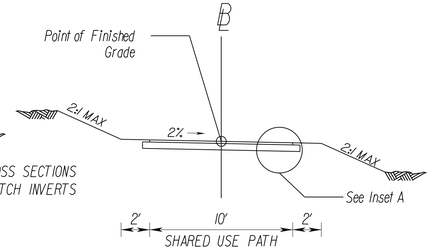
** Buffer varies 0'-4' Sta. 102+75.00 to Sta. 103+00.00

SHREVEWOOD ES SHARED USE PATH CONSTRUCTION



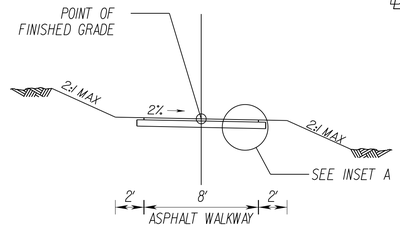
STA. 10+12.44 to STA. 10+66.06

SHREVEWOOD ES SHARED USE PATH CONSTRUCTION

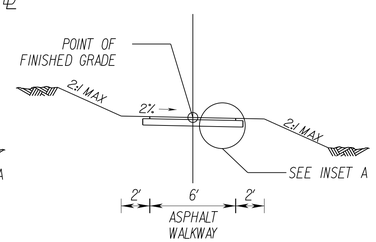


STA. 10+87.52 to STA. 11+37.43

VIRGINIA LANE CONNECTION CONSTRUCTION



STA. 20+10.00 to STA. 20+21.78



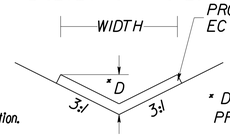
STA. 20+48.39 to STA. 20+81.47
STA. 21+01.30 to STA. 21+09.74

DITCH DETAIL

NOT TO SCALE

PROPOSED PLACEMENT OF PROTECTIVE COVERING

DITCH 2

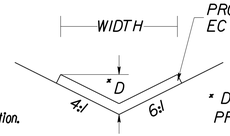


* See Cross Sections for ditch location and elevation.

* DENOTES DEPTH OF PROTECTIVE COVERING

LOCATION	STATION - STATION	*D	WIDTH
PROPOSED SHARED USE PATH (RIGHT)	10+12.00	11+15.00	D=0.5'	W=4'

DITCH 3



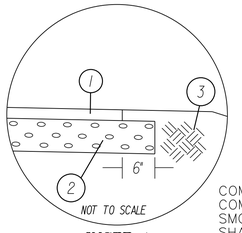
* See Cross Sections for ditch location and elevation.

* DENOTES DEPTH OF PROTECTIVE COVERING

LOCATION	STATION - STATION	*D	WIDTH
WESTBOUND SHREVE ROAD (LEFT)	113+17.00	114+54.00	D=0.5'	W=6'

SHARED USE PATH PAVEMENT STRUCTURE

NOT TO SCALE



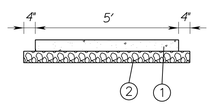
INSET A

1. 2" ASPHALT CONCRETE SM-9.5A @ approximately 238 lbs./Sq.Yds.
2. 6" AGGREGATE SUBBASE MATERIAL TYPE I, OR II, NO. 21A OR 21B EXTENDED 6" ON EITHER SIDE OF THE SURFACE MATERIAL
3. REGULAR FILL MATERIAL OR NATIVE SOIL

COMPACTION OF THE ASPHALT CONCRETE SHALL BE COMPLETED BY A MINIMUM OF 5 PASSES OF A 8 TON SMOOTH DRUM ROLLER (NO VIBRATION). DENSITY SHALL NOT BE MEASURED IN ACCORDANCE WITH THE ROAD AND BRIDGE SPECIFICATIONS.

CONCRETE SIDEWALK

NOT TO SCALE



CONCRETE WALKWAY DETAIL

1. 4" HYDRAULIC CEMENT CONCRETE WALKWAY, TYPE A4
2. 4" AGGREGATE BASE MATERIAL, TYPE I, SIZE 21B

NOTES:

1. FOR APPROXIMATE LIMITS OF FULL DEPTH PAVEMENT AND MILL AND OVERLAY, REFER TO PLAN SHEETS 3, 4, 5 AND 6.

2. EXISTING PAVEMENT LAYERS WITHIN THE LIMITS OF SAWCUT AND THE EDGE OF PAVEMENT ARE TO BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH 2020 ROAD AND BRIDGE SPECIFICATIONS.

3. ALL PAVEMENT WIDENING SHALL BE PERFORMED IN ACCORDANCE WITH ST'D VDOT WP-2.

Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

REVISIONS				
△#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL

TYPICAL SECTIONS

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

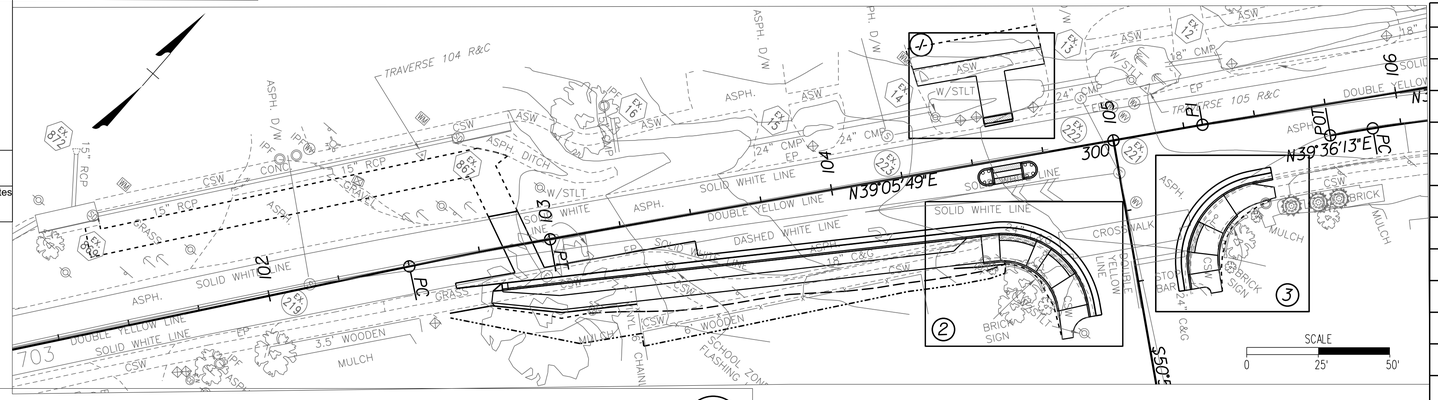
SCALE N.T.S.
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 2B

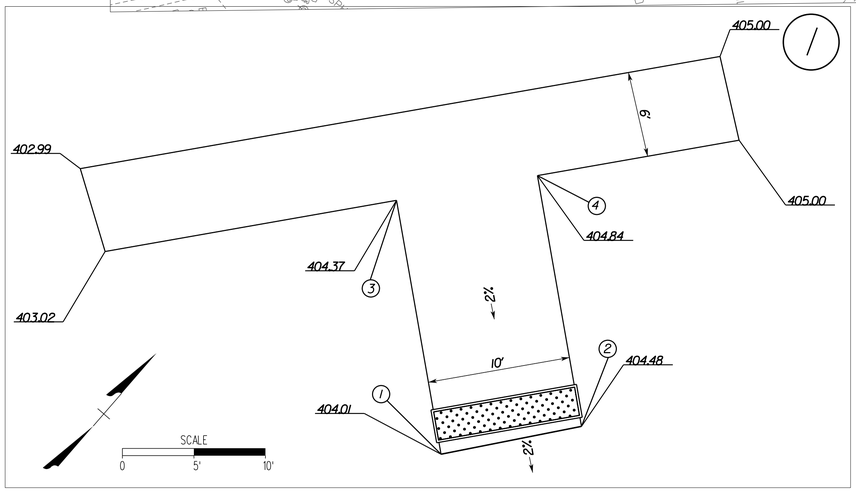
FUND # 500-C50000

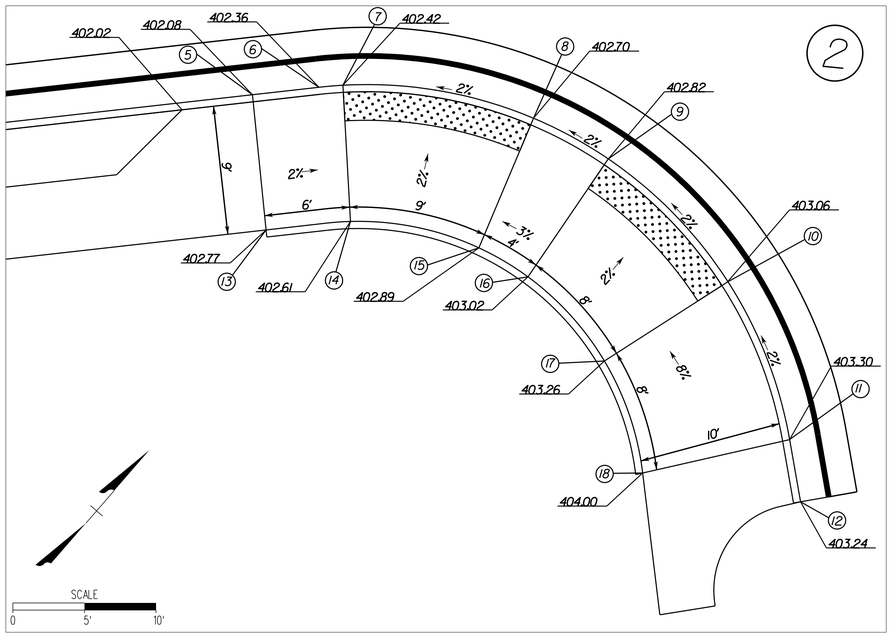
PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

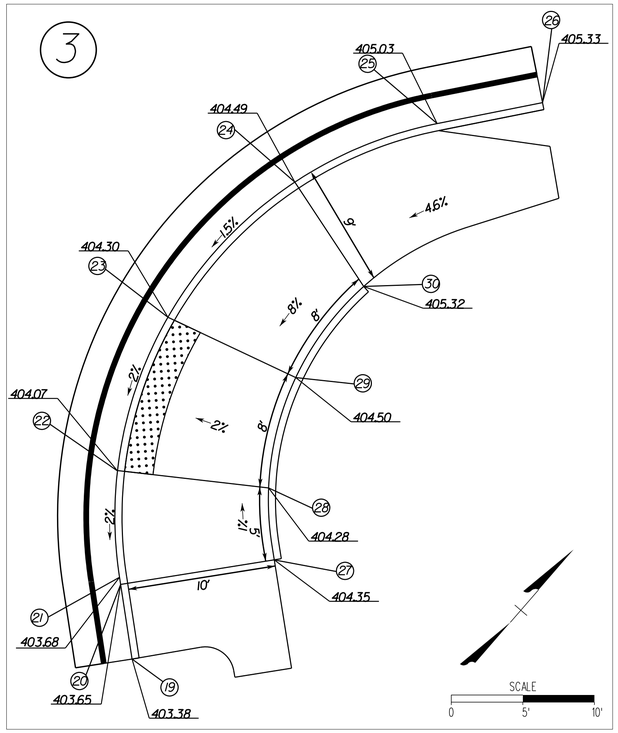
CURB RAMP DETAIL SHEET

Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER









POINT	FACE OF CURB	TOP OF CURB	LANDINGS	BACK OF RAMP	STATION	OFFSET	COMMENTS
1	------	------	404.01	------	104+56.60	12.49'LT	MATCH EXISTING
2	------	------	404.48	------	104+66.60	12.70'LT	MATCH EXISTING
3	------	------	------	404.37	104+56.60	30.50'LT	
4	------	------	------	404.84	104+66.60	30.50'LT	
5	402.08	402.58	------	------	104+48.60	24.66'RT	
6	402.36	402.86	------	------	104+53.31	24.95'RT	CURVE PC
7	------	------	402.46	------	104+54.98	25.10'RT	
8	------	------	402.64	------	104+67.70	29.67'RT	
9	------	------	402.96	------	104+72.36	33.38'RT	
10	------	------	403.43	------	104+79.11	43.27'RT	
11	403.30	403.80	------	------	300+54.89	18.55' LT	CURVE PT
12	403.24	403.74	------	------	300+59.30	18.55' LT	MATCH EXISTING
13	------	------	------	402.77	104+47.94	34.13'RT	
14	402.61	403.11	------	------	104+53.86	34.57'RT	
15	402.89	403.39	------	------	104+62.38	37.94'RT	
16	403.02	403.52	------	------	104+65.41	40.53'RT	
17	403.26	403.76	------	------	104+69.65	47.25'RT	
18	------	------	------	404.00	300+55.42	29.07'LT	
19	403.38	403.88	------	------	300+56.01	17.50'RT	MATCH EXISTING
20	403.65	404.15	------	------	300+50.74	17.61'RT	
21	403.68	404.18	------	------	300+50.23	17.62'RT	CURVE PC
22	------	------	404.07	------	105+18.78	42.83'RT	
23	------	------	404.30	------	105+24.10	32.91'RT	
24	404.49	404.99	------	------	105+34.69	25.11'RT	
25	405.03	405.53	------	------	105+45.17	22.71'RT	CURVE PT
26	405.33	405.83	------	------	105+52.67	22.47'RT	MATCH EXISTING
27	------	------	------	404.35	300+50.90	28.49'RT	
28	404.28	404.78	------	------	105+28.96	45.88'RT	
29	404.50	405.00	------	------	105+32.51	38.60'RT	
30	------	------	------	405.32	105+38.24	33.10'RT	

NOTE:

1. The Detectable Warning Surfaces (truncated domes) for the CG-12 ramps shall be installed using Safety Yellow panels.

Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER

PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
CURB RAMP DETAIL SHEET

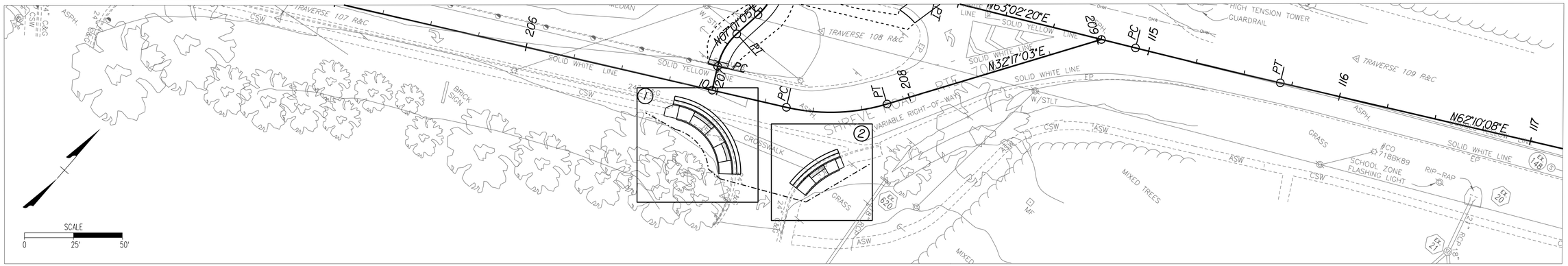
PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

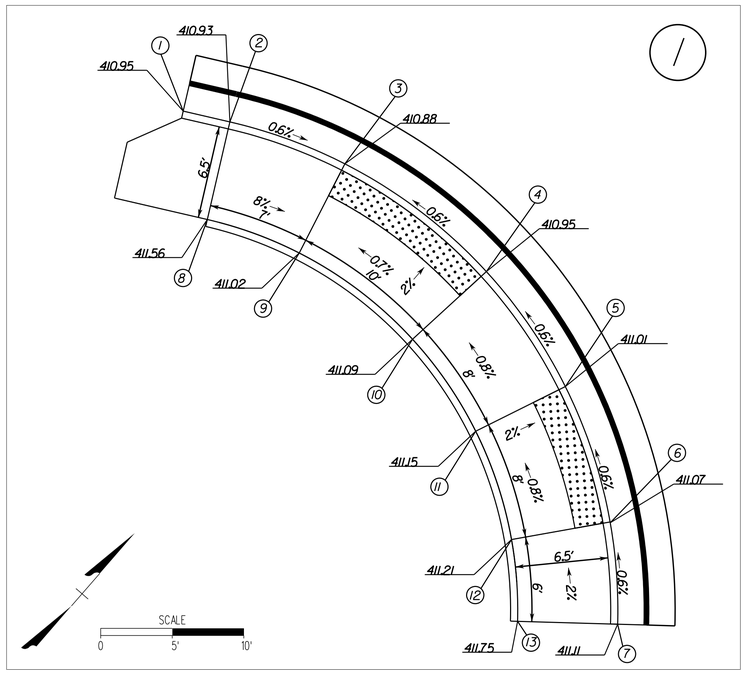
SCALE	DESIGNED: TLL	SHEET
AS SHOWN	DRAFTED: JDW	2C(1)
	CHECKED: RBH	

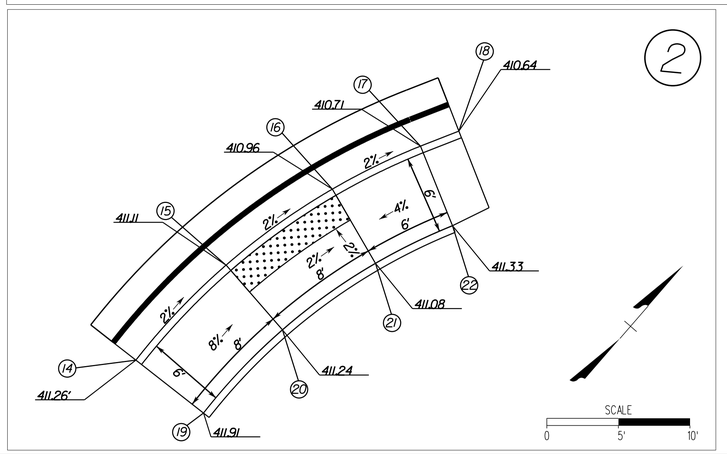
FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

CURB RAMP DETAIL SHEET







POINT	FACE OF CURB	TOP OF CURB	LANDINGS	BACK OF RAMP	STATION	OFFSET	COMMENTS
1	410.95	411.45	------	------	112+69.82	83.49'RT	MATCH EXISTING
2	410.93	410.43	------	------	112+73.10	83.49'RT	CURVE PC
3	------	------	411.88	------	112+81.54	84.52'RT	
4	------	------	410.95	------	112+92.71	89.57'RT	
5	------	------	411.01	------	112+99.79	96.06'RT	
6	------	------	411.07	------	113+03.26	101.14'RT	
7	411.11	411.61	------	------	113+06.15	107.93'RT	CURVE PT
8	------	------	------	411.56	112+74.03	90.00'RT	
9	411.02	411.52	------	------	112+79.96	90.83'RT	
10	411.09	411.59	------	------	112+89.02	94.92'RT	
11	411.15	411.65	------	------	112+94.77	100.19'RT	
12	411.21	411.71	------	------	112+97.59	104.32'RT	
13	------	------	------	411.75	112+99.94	109.82'RT	
14	411.26	411.76	------	------	113+41.02	110.89'RT	MATCH EXISTING
15	------	------	411.11	------	113+47.92	100.39'RT	
16	------	------	410.96	------	113+51.92	96.27'RT	
17	410.71	411.21	------	------	113+57.33	91.97'RT	CURVE PT
18	410.64	411.14	------	------	113+59.77	90.33'RT	MATCH EXISTING
19	------	------	------	411.91	113+48.67	108.78'RT	
20	411.24	411.74	------	------	113+52.29	103.91'RT	
21	411.08	411.58	------	------	113+55.83	100.26'RT	
22	------	------	------	411.33	113+60.62	96.45'RT	

NOTE:

1. The Detectable Warning Surfaces (truncated domes) for the CG-12 ramps shall be installed using Safety Yellow panels.

PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
CURB RAMP DETAIL SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

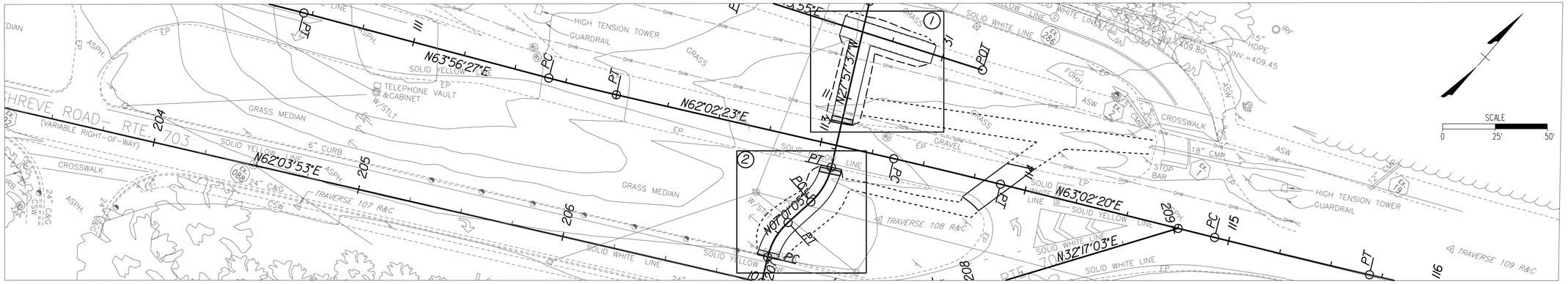
APPROVED BY THE TRANSPORTATION DESIGN DIVISION

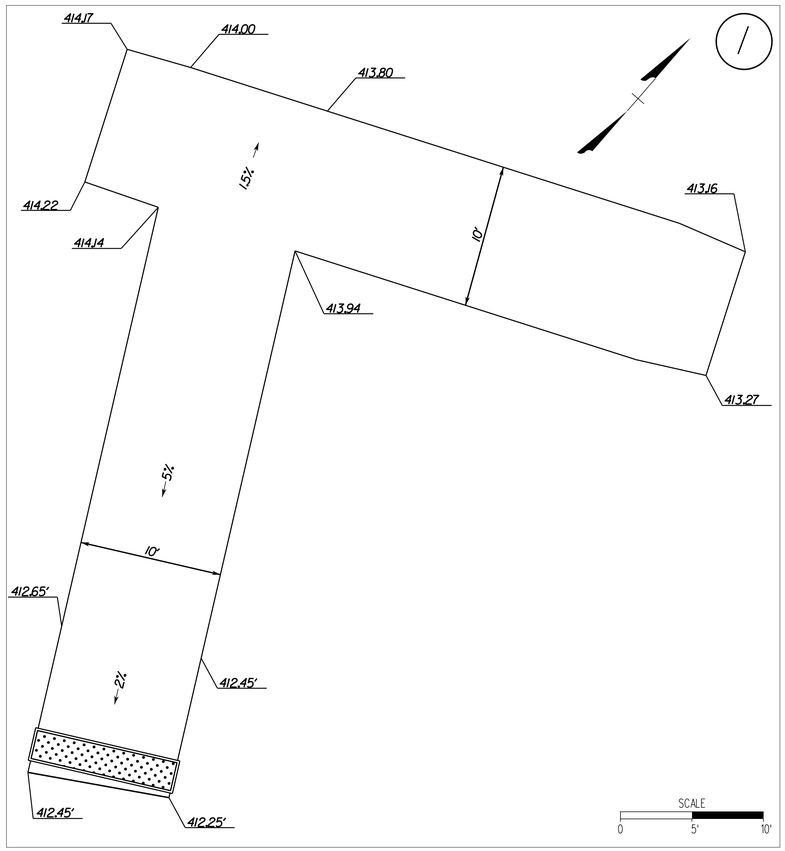
SCALE AS SHOWN
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 2C(2)

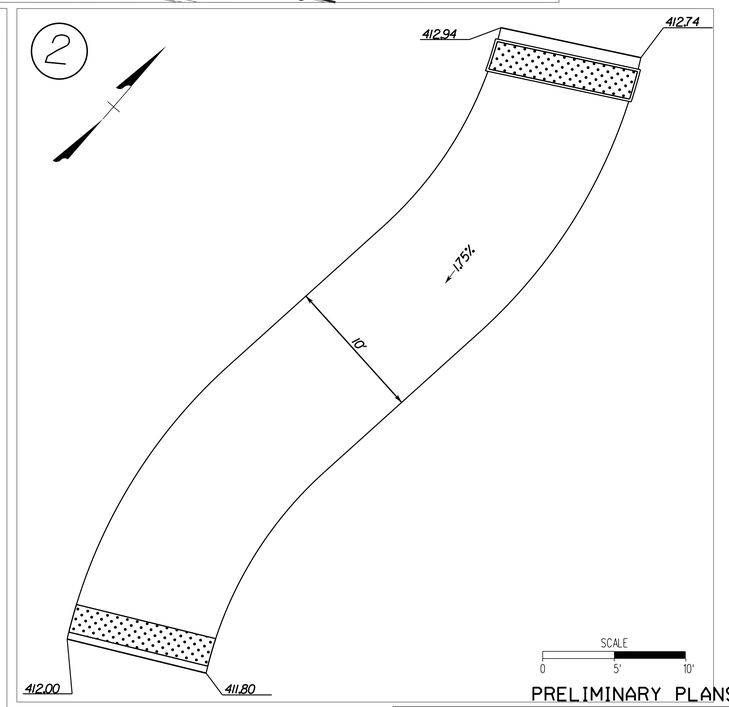
FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703)293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

CURB RAMP DETAIL SHEET







NOTE:

1. The Detectable Warning Surfaces (truncated domes) for the CG-12 ramps shall be installed using Safety Yellow panels.

Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER

PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
CURB RAMP DETAIL SHEET

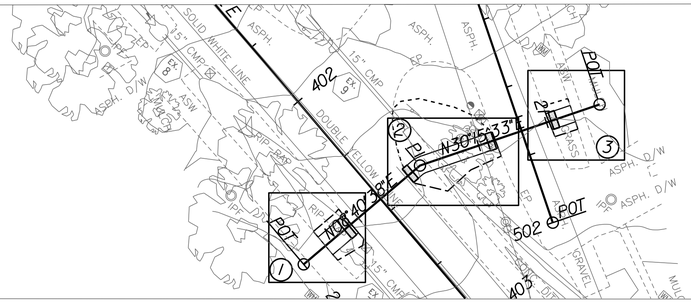
PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
AS SHOWN	DRAFTED: JDW	2C(3)
	CHECKED: RBH	

FUND # 500-C50000

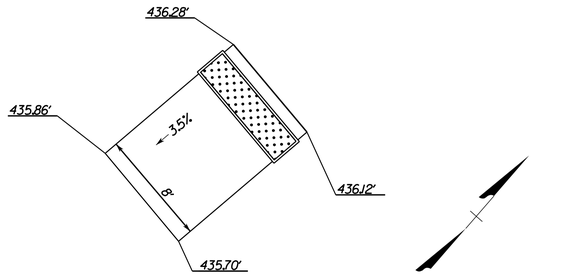
PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

CURB RAMP DETAIL SHEET



Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER

1



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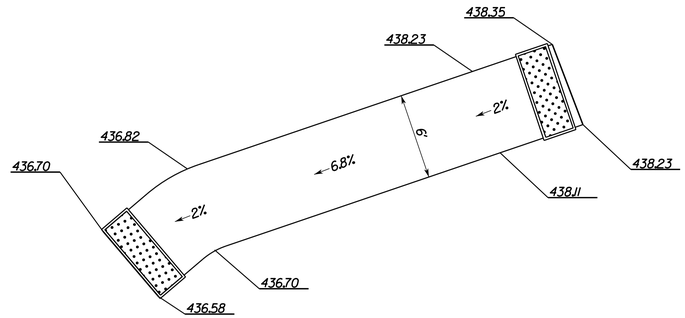

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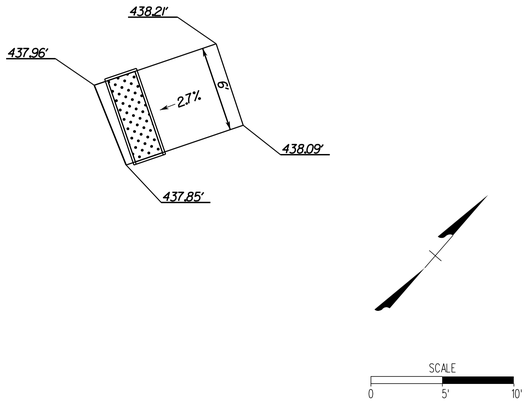

NOTE:

1. The Detectable Warning Surfaces (truncated domes) for the CG-12 ramps shall be installed using Safety Yellow panels.

PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

REVISIONS	△#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
CURB RAMP DETAIL SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
AS SHOWN	DRAFTED: JDW	2C(4)
	CHECKED: RBH	

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28,2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703)293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12,2022

PROJECT DATA SHEET

(LOCALLY FUNDED PROJECT)

PROJECT INFORMATION

PROJECT NAME	SHREVEWOOD ELEMENTARY SCHOOL SAFE ROUTES TO SCHOOL FROM FAIRWOOD LANE TO VIRGINIA LANE				
COUNTY PROJECT NUMBER	1400157-2021				
VDOT UPC NUMBER (IF APPLICABLE)	LOCALLY FUNDED				
PROJECT LIMITS / LENGTH	157 LF OF SHARED USE PATH AND 55 LF OF ASPHALT WALKWAY				
FUNDING SOURCE	LOCAL				
DATE OF FUNDING OBLIGATION					
LATITUDE/ LONGITUDE	LAT	38.889094	LONG	-77.206170	
6TH ORDER HUC	PL26				

TYPE OF DEVELOPMENT: (SELECT ALL THAT APPLY)

☐ NEW DEVELOPMENT ☒ REDEVELOPMENT

STORMWATER MANAGEMENT TECHNICAL CRITERIA USED:

☒ VSMP TECHNICAL CRITERIA IIB / FFX CO STORMWATER MANAGEMENT ORDINANCE ARTICLE 4

☐ VSMP TECHNICAL CRITERIA IIC / FFX CO STORMWATER MANAGEMENT ORDINANCE ARTICLE 5

SWM WAIVER EXCEPTION(S) REQUIRED: ☒YES ☐NO APPROVAL DATE:

TYPES: DETENTION LDS NUMBER:

A) IS PROJECT LOCATED WITHIN THE WATER SUPPLY PROTECTION OVERLAY DISTRICT (WSPOD)?	☐ YES	☒ NO
B) IS PROJECT A PUBLIC IMPROVEMENT (PI) PLAN SUBJECT TO FULL LDS REVIEW/APPROVAL?	☒ YES	☐ NO
C) IS PROJECT A LINEAR PROJECT SUBJECT TO VDOT REVIEW/APPROVAL AND VDOT LUP PROCESS?	☒ YES	☐ NO

IF ANSWER TO BOTH A & B IS YES, SEE NOTE (3). IF ANSWER TO BOTH A & C IS YES, SEE NOTE (3.1).

CONSTRUCTION SITE ESTIMATES

TOTAL SITE AREA	0.61	(AC)	26750	(SF)		
TOTAL DISTURBED AREA	0.61	(AC)	26750	(SF)		
TOTAL SITE IMPERVIOUS AREA	PRE 0.22	(AC)	POST 0.26	(AC)		

VPDES PERMIT REQUIREMENTS (CHECK ONE):

☒ DISTURBED AREA < 1 (AC) ; VPDES PERMIT NOT REQUIRED.

☐ DISTURBED AREA ≥ 1 (AC) ; VPDES PERMIT IS REQUIRED.

RECEIVING WATERS

RECEIVING STREAM	CAMERON RUN
WATERSHED	MIDDLE POTOMAC-ANACOSTIA-OCCOQUAN (02070010)
DESCRIPTION OF IMPAIRED WATERS SUBJECT TO TMDLs, IF APPLICABLE	NONE

NOTE:

(1) FOR ADDITIONAL DETAILS SEE THE LATEST REVISION OF THE DRAINAGE/SWM REPORT AND EROSION AND SEDIMENT CONTROL PLAN SHEETS 3B-6B.

(2) THIS IS A COUNTY ADMINISTERED PROJECT AND THE STORM WATER POLLUTION PREVENTION PLANS (SWPPP) IS PREPARED BY FAIRFAX COUNTY. WHEN APPLICABLE, IT WILL BE INCLUDED WITH VPDES AND CONSTRUCTION PACKAGE.

(3.1) PURCHASE OF NUTRIENT CREDITS MAY BE USED TO SATISFY DEQ'S WATER QUALITY REQUIREMENTS ON THIS PROJECT.

TABLE 1.
WATER QUALITY ANALYSIS PER VSMP TECHNICAL CRITERIA IIB / FFX CO STORMWATER MANAGEMENT ORDINANCE ARTICLE 4

RECEIVING WATERS	OUTFALL	TOTAL DISTURBED AREA		PRE DEVELOPMENT LAND USE				POST DEVELOPMENT LAND USE				PHOSPHORUS REMOVAL REQUIRED *	ON-SITE PHOSPHORUS REMOVAL PROVIDED *	IS PROJECT LOCATED WITHIN WSPOD	
	ID-LOCATION	(AC)	(SF)	FORESTED (AC)	TURF (AC)	IMPERVIOUS AREA (AC)	OTHER (AC)	FORESTED (AC)	TURF (AC)	IMPERVIOUS AREA (AC)	OTHER (AC)	(LB/YR) (5)	(LB/YR)	YES (3)(3.1)	NO (4)
	CAMERON RUN	0.61	26750	N/A	0.39	0.22	N/A	N/A	0.35	0.26	N/A	0.20	0.00		X

NOTE:

(4) PHOSPHORUS REMOVAL TO BE PROVIDED BY THE PURCHASE OF OFFSITE NUTRIENT CREDITS. PLEASE SEE TABLE 2 BELOW FOR MORE INFORMATION.

TABLE 2.
OFFSITE COMPLIANCE FOR WATER QUALITY

NUTRIENT CREDIT BANK NAME	BANK CERTIFICATION #	4TH ORDER HUC	NUTRIENT CREDIT TO BE ACQUIRED (LB/YR)	PURCHASE LETTER (MM/DD/YY) (6)
WINDRIGHT RUN	POTOMAC-019	02070010	0.20	TBD

NOTE:

(5) THE "AFFIDAVIT OF PHOSPHOROUS CREDIT SALE" WILL BE PROVIDED ON SHEET 2E UPON COMPLETION OF PURCHASE BY FAIRFAX COUNTY. PLEASE SEE LEDGER BELOW FOR EVIDENCE OF NUTRIENT CREDIT AVAILABILITY/RESERVATION.

EVIDENCE OF NUTRIENT CREDIT AVAILABILITY FROM FCDOT'S BULK NUTRIENT CREDITS RESERVE

Purchase #3: Ledger- Windright Run Nutrient Bank (DEQ Certification No. Potomac-019) Bulk Purchase of Nutrient Credits by Fairfax County DOT

Total Quantity & Balance Remaining

This spreadsheet applies ONLY to Projects which draw Nutrient Credits from FCDOT's Bulk Purchase.

Draw Down Quantity for Individual Projects

Tracking #	Project #	Project Name	UPC # (if any)	Funding Source	Fund Number	Project Location 8 Digit HUC	Watershed Name	Phosphorous Removal Required (lbs/yr.)	Cost/Project	TP Transferred (LB.)	TP Balance (LB.)	TN Retired (LB.)	TN Balance (LB.)	DEQ Permit #	Purchase Agreement Date	Date Requested	Date of Credit Transfer	Comments
3-49	1400157-2021	Shrevewood Elementary School SRTS	N/A	Safe Routes to School Program	500-C50000	02070010	Middle Potomac-Anacostia-Occoquan (Cameron Run)	0.20	$3,900.00	0.20	0.24	2.69	3.23	N/A	7/20/2018	8/29/2022	Pending	Reserved

SITE DEVELOPMENT AND INSPECTIONS DIVISION APPROVAL STAMP

STORMWATER INFORMATION

HIGH DENSITY POLYETHYLENE (HDPE) USED ON THIS PROJECT YES ☐ NO ☒

THE PLAN MEETS: TIME LIMITS ON APPLICABILITY OF APPROVED DESIGN CRITERIA ☐

THE PLAN MEETS THE GRANDFATHERING CRITERIA ☐

SWM FACILITIES (PROPOSED ONLY)

FACILITY ID NO.	FACILITY TYPE	PURPOSE	AREA TREATED (ACRES)	LATITUDE (DECIMAL DEGREE)	LONGITUDE (DECIMAL DEGREE)	WATERSHED	RECEIVING WATERS	MAINTENANCE AGREEMENT Y/N	VAHU6 CODE	LENGTH/ AREA OF FACILITY	UNIT (FT/ SF)	NO. OF BLDG. SERVED (FOR ROOFTOP DISCONNECT)
	PURCHASED CREDITS	Water Quality	0.61	38.889094	-77.206170	Middle Potomac-Anacostia-Occoquan	Cameron Run	N	PL26	NONE		N/A

VPDES REQUIRED YES ☐ NO ☒

VPDES PERMIT NO. (IF TIME LIMITS): _____

COUNTY STORMWATER PERMIT REQUIRED YES ☒ NO ☐

SWM FACILITIES DESIGNED USING: TECHNICAL CRITERIA 4 (NEW) ☒

TECHNICAL CRITERIA 5 (OLD) ☐

DISTURBED AREA (DA) WITHIN WATERSHED(S):

WATERSHED 1 Middle Potomac-Anacostia-Occ DA= 0.61 (ACRES)

WATERSHED 2 _____ DA= _____ (ACRES)

TOTAL DISTURBED AREA= 0.61 (ACRES)

OWNER/REPRESENTATIVE CONTACT INFORMATION

NAME: SCOTT BISHOP, BRANCH CHIEF, STORMWATER & TRANSPORTATION CONSTRUCTION BRANCH

PHONE NUMBER: 703-324-2137

EMAIL ADDRESS: EDWARD.BISHOP@FAIRFAXCOUNTY.GOV

ADDRESS: UTILITIES DESIGN AND CONSTRUCTION DIVISION
12000 GOVERNMENT CENTER PKWY
SUITE 463
FAIRFAX, VA 22035

Whitman, Requardt & Associates
Fairfax, Virginia
CERTIFIED STORMWATER PLAN REVIEWER

Whitman, Requardt & Associates
Fairfax, Virginia
PROFESSIONAL ENGINEER

EMERGENCY POLICE - FIRE - RESCUE 911 REVISED: APRIL 2022

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

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OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
PROJECT DATA SHEET

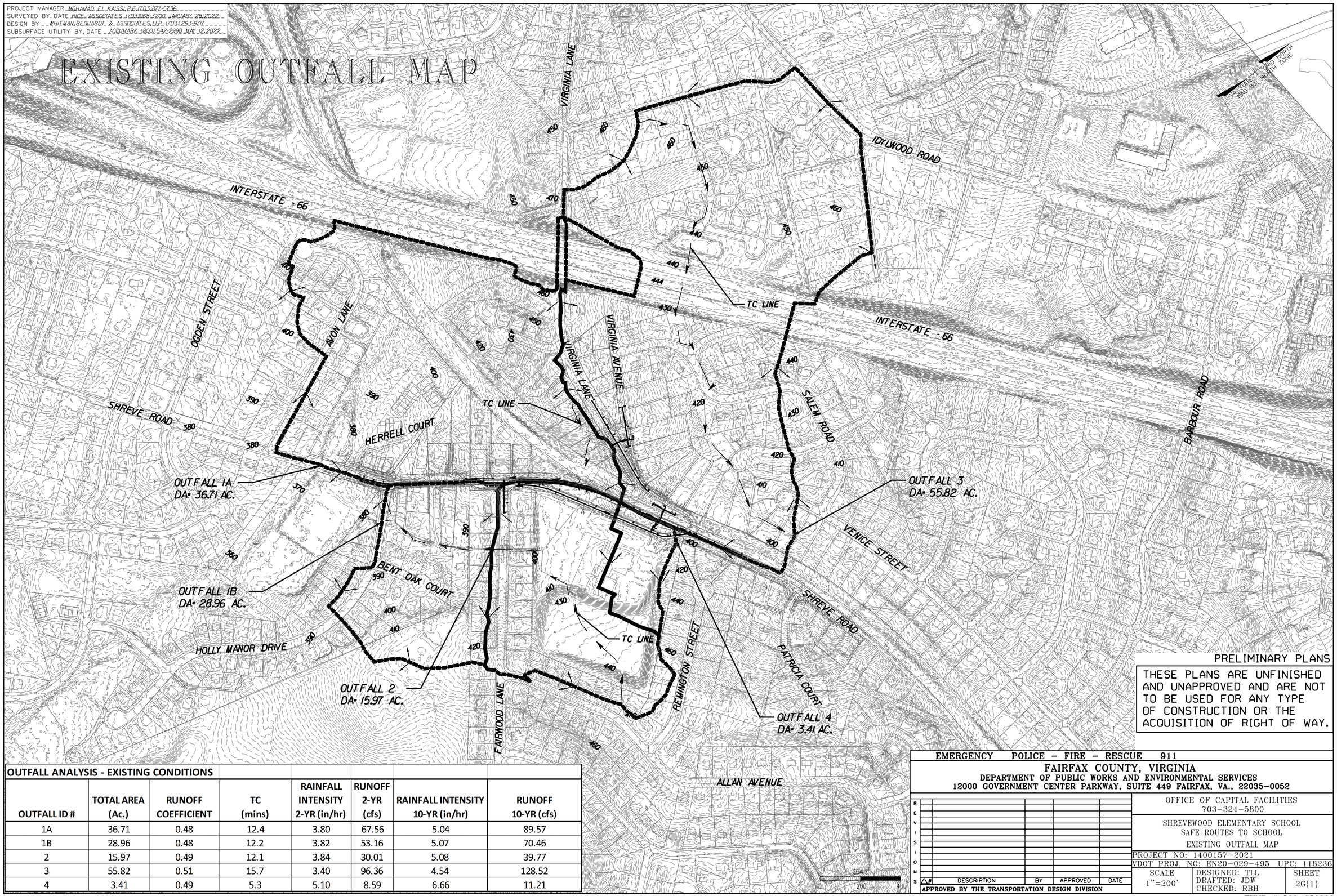
PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE N.T.S.
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 2F

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

EXISTING OUTFALL MAP



PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

OUTFALL ANALYSIS - EXISTING CONDITIONS

OUTFALL ID #	TOTAL AREA (Ac.)	RUNOFF COEFFICIENT	TC (mins)	RAINFALL INTENSITY 2-YR (in/hr)	RUNOFF 2-YR (cfs)	RAINFALL INTENSITY 10-YR (in/hr)	RUNOFF 10-YR (cfs)
1A	36.71	0.48	12.4	3.80	67.56	5.04	89.57
1B	28.96	0.48	12.2	3.82	53.16	5.07	70.46
2	15.97	0.49	12.1	3.84	30.01	5.08	39.77
3	55.82	0.51	15.7	3.40	96.36	4.54	128.52
4	3.41	0.49	5.3	5.10	8.59	6.66	11.21

EMERGENCY POLICE – FIRE – RESCUE 911

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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
EXISTING OUTFALL MAP

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=200'	DRAFTED: JDW	2G(1)
	CHECKED: RBH	

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
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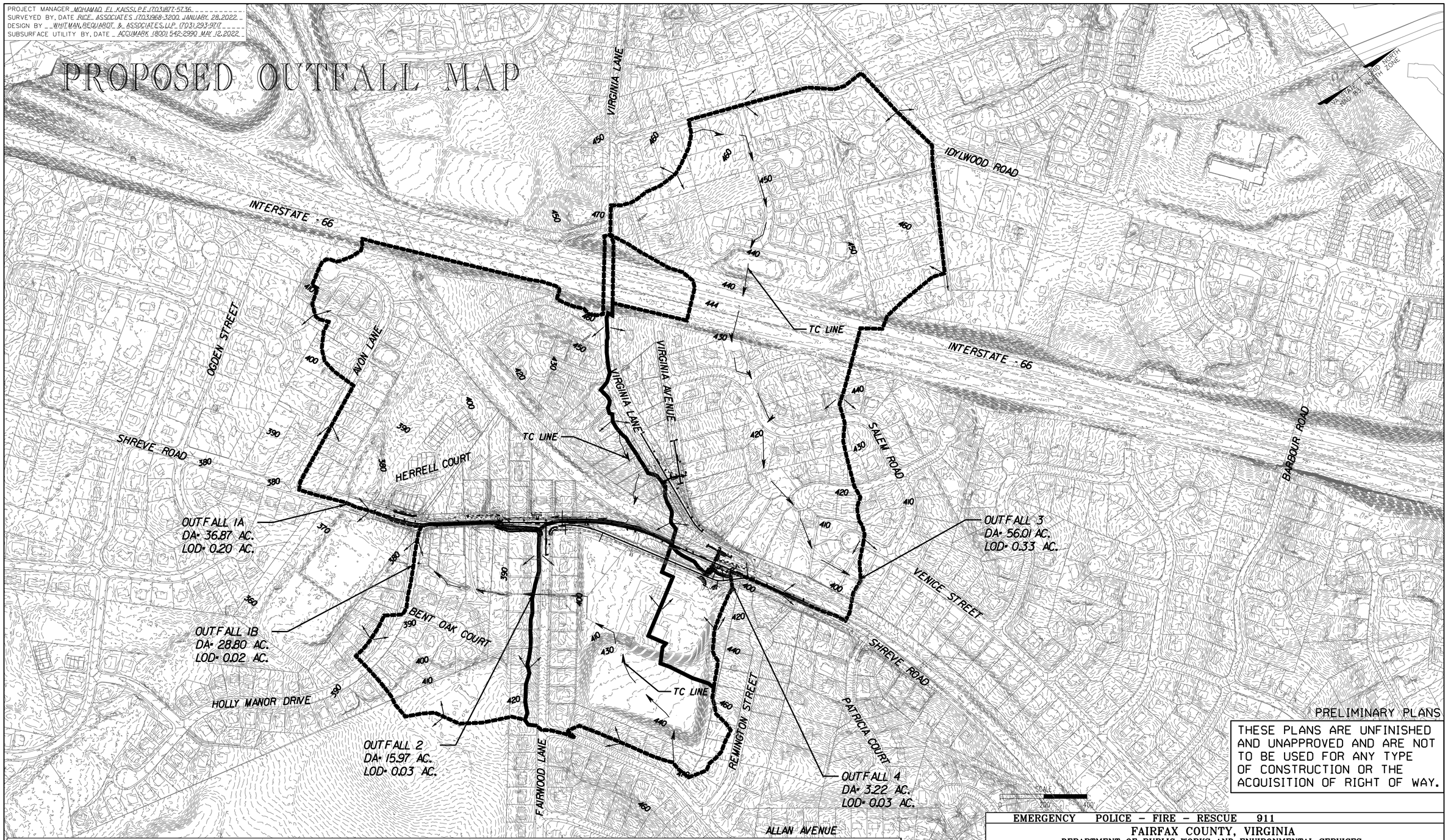
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

PROPOSED OUTFALL MAP



PRELIMINARY PLANS

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OUTFALL ANALYSIS - PROPOSED CONDITIONS

OUTFALL ID #	TOTAL AREA (Ac.)	LOD AREA (Ac.)	LOD IN TOTAL AREA (%)	RUNOFF COEFFICIENT	TC (mins)	RAINFALL INTENSITY 2-YR (in/hr)	RUNOFF 2-YR (cfs)	RAINFALL INTENSITY 10-YR (in/hr)	RUNOFF 10-YR (cfs)
1A	36.87	0.20	0.54%	0.49	12.6	3.77	67.57	5.00	89.61
1B	28.80	0.02	0.07%	0.48	12.2	3.82	52.87	5.07	70.07
2	15.97	0.03	0.19%	0.49	12.1	3.84	30.01	5.08	39.77
3	56.01	0.33	0.59%	0.51	15.7	3.40	96.69	4.54	128.97
4	3.22	0.03	0.93%	0.49	5.3	5.1	8.04	6.66	10.49

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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
PROPOSED OUTFALL MAP

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=200'	DRAFTED: JDW	2G(2)
	CHECKED: RBH	

FUND # 500-C50000

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SUBSURFACE UTILITY BY, DATE ACCUMARK (800)542-2990 MAY 12,2022

EXISTING SITE DRAINAGE AREA MAP

VA STATE PLANE NAD 83 - NORTH ZONE

MATCH LINE - SEE SHEET 2G(4)

MATCH LINE STA 108+00.00 - SEE SHEET 2G(4)

TO EX.872
DA= 0.87 AC.
c= 0.45
tc= 5.0 mins.

TO EX.371
DA= 0.42 AC.
c= 0.58
tc= 12.4 mins.

TO EX.747
tc= 12.4 mins.

TO EX.369
DA= 0.18 AC.
c= 0.66
tc= 12.3 mins.

TO EX.367
DA= 0.09 AC.
c= 0.77
tc= 12.2 mins.

TO EX.338
DA= 1.60 AC.
c= 0.50
tc= 12.2 mins.

TO EX.18
DA= 7.48 AC.
c= 0.48
tc= 12.1 mins.

TO EX.869
DA= 0.27 AC.
c= 0.58
tc= 12.1 mins.

TO EX.867
DA= 5.98 AC.
c= 0.48
tc= 11.9 mins.

TO EX.902
DA= 15.97 AC.
c= 0.49
tc= 12.1 mins.

TO EX.3
DA= 0.86 AC.
c= 0.69
tc= 12.2 mins.

TC LINE

SHREVE ROAD (ROUTE 703)

WB SHREVE ROAD (ROUTE 703)

EB SHREVE ROAD (ROUTE 703)

HOLLY MANOR DRIVE

FAIRWOOD LANE

N/F CYRUS BERNARD NASSERI D.B. 19420, PG. 1971

N/F AJAY GUPTA AND ARCHANA GUPTA D.B. 10470, PG. 139

N/F JOHN S. RESHWAN AND EMILY K. RESHWAN D.B. 5416, PG. 1653

N/F LAURIE GAY JAMESON FORMERLY LAURIE G. BEYMER D.B. 20112, PG. 1402

N/F CHRISTOPHER D. CAPANNOLA SABRINA A. CAPANNOLA D.B. 19442, PG. 1971 Tax Map 059-1-2 ((01)) 0748

N/F LYNNE M.J. CELIA AS TRUSTEE OF THE LYNNE M. CELIA REVOCABLE TRUST DATED FEBRUARY 25, 2016 D.B. 27605, PG. 1722

N/F JOSE DI ARGIAGA AND ESTELA A. ARGIAGA D.B. 6544, PG. 1971

N/F THE COUNTY SCHOOL BOARD OF FAIRFAX COUNTY, VIRGINIA D.B. 2566, PG. 63 Tax Map 059-1-((01))-0002

NOTE: SEE SHEET 2G(1) FOR THE EXISTING OUTFALL MAP

SCALE 0 50' 100'

PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

EMERGENCY POLICE - FIRE - RESCUE 911

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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
EXISTING SITE DRAINAGE AREA MAP

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=50'	DRAFTED: JDW	2G(3)
	CHECKED: RBH	

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KASSIS,P.E.(703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28,2022
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SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12,2022

EXISTING SITE DRAINAGE AREA MAP

VA STATE GRID NORTH
NAD 83, NORTH ZONE

VIRGINIA AVENUE (ROUTE 719)

VIRGINIA LANE (ROUTE 1117)

SHREVE ROAD (ROUTE 703)

WB SHREVE ROAD (ROUTE 703)

EB SHREVE ROAD (ROUTE 703)

TC LINE

TO EX.9
DA= 0.72 AC.
c= 0.71
tc= 5.0 mins.

TO EX.5
DA= 1.07 AC.
c= 0.71
tc= 9.6 mins.

TO EX.3A
DA= 1.62 AC.
c= 0.68
tc= 10.6 mins.

TO EX.3
DA= 1.54 AC.
c= 0.68
tc= 10.4 mins.

TO EX.4
DA= 1.23 AC.
c= 0.70
tc= 9.9 mins.

TO EX.2
DA= 1.10 AC.
c= 0.57
tc= 11.4 mins.

TO EX.644
DA= 7.87 AC.
c= 0.57
tc= 13.0 mins.

TO EX.19
DA= 2.01 AC.
c= 0.61
tc= 11.5 mins.

TO EX.8
DA= 0.61 AC.
c= 0.48
tc= 9.9 mins.

TO EX.7
DA= 0.74 AC.
c= 0.51
tc= 10.1 mins.

TO EX.6
DA= 0.76 AC.
c= 0.52
tc= 10.2 mins.

TO EX.867
DA= 5.98 AC.
c= 0.48
tc= 11.91 mins.

TO EX.1
DA= 1.91 AC.
c= 0.6
tc= 11.4 mins.

MATCH LINE - SEE SHEET 2G(3)

MATCH LINE STA 108+00.00 - SEE SHEET 2G(3)

NOTE: SEE SHEET 2G(1) FOR THE EXISTING OUTFALL MAP

SCALE
0 50' 100'

PRELIMINARY PLANS

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EMERGENCY POLICE – FIRE – RESCUE 911

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SAFE ROUTES TO SCHOOL
EXISTING SITE DRAINAGE AREA MAP

PROJECT NO: 1400157-2021
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SCALE	DESIGNED: TLL	SHEET
1"=50'	DRAFTED: JDW	2G(4)
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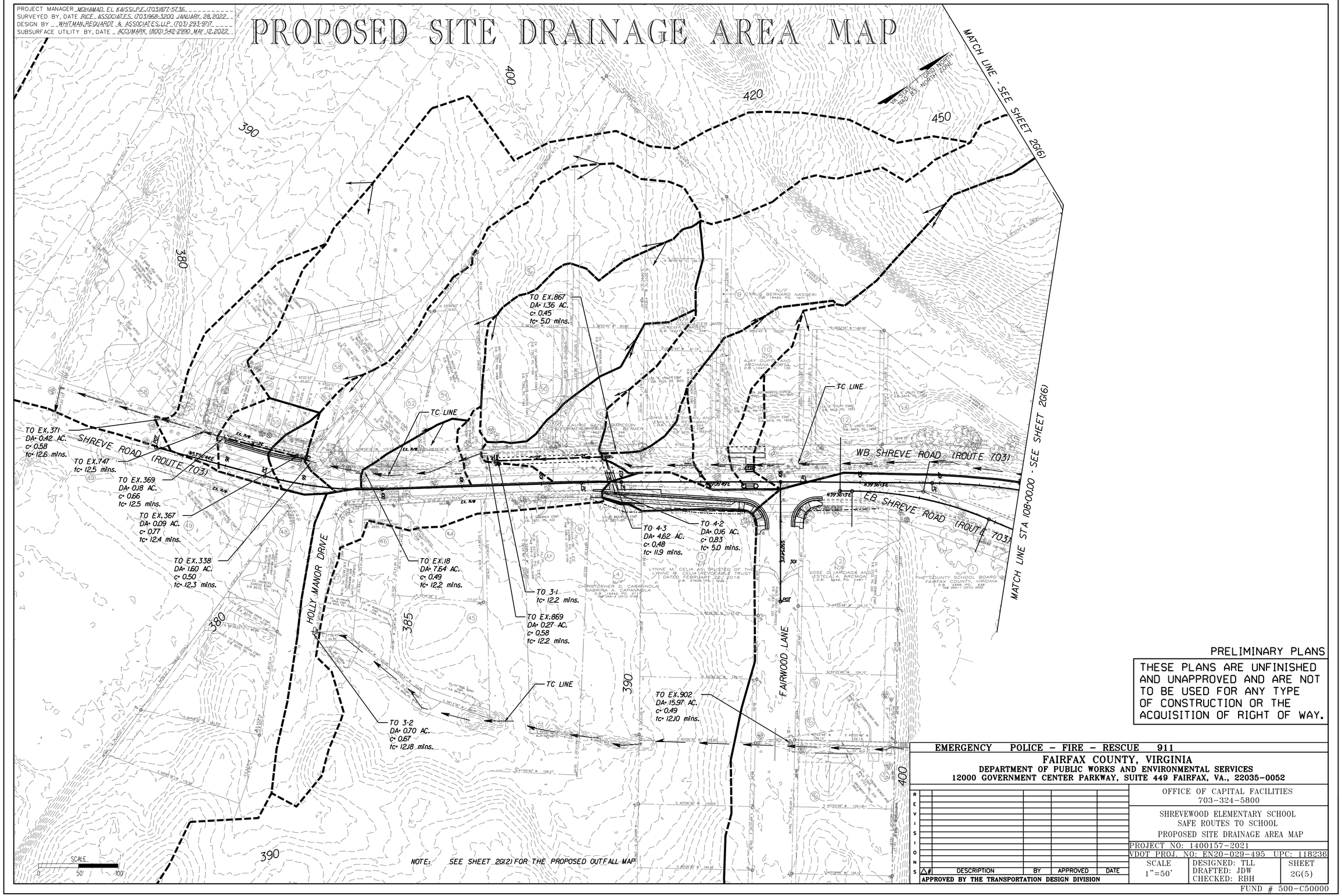
PROPOSED SITE DRAINAGE AREA MAP



NOTE: SEE SHEET 2G(2) FOR THE PROPOSED OUTFALL MAP

PRELIMINARY PLANS

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1"=50'	DRAFTED: JDW	2G(5)
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PROPOSED SITE DRAINAGE AREA MAP

VA STATE GRID NORTH
NAD 83, NORTH ZONE

VIRGINIA AVENUE (ROUTE 719)

VIRGINIA LANE (ROUTE 1117)

SHREVE ROAD (ROUTE 703)

WB SHREVE ROAD (ROUTE 703)

EB SHREVE ROAD (ROUTE 703)

TC LINE

TO 6-2
tc= 5J mins.

TO EX.9
DA= 0.72 AC.
c= 0.71
tc= 5.0 mins.

TO EX.5
DA= 1.07 AC.
c= 0.71
tc= 9.6 mins.

TO EX.3A
DA= 1.62 AC.
c= 0.68
tc= 10.6 mins.

TO EX.3
DA= 1.54 AC.
c= 0.68
tc= 10.4 mins.

TO EX.4
DA= 1.23 AC.
c= 0.70
tc= 9.9 mins.

TO EX.2
DA= 1.10 AC.
c= 0.57
tc= 11.4 mins.

TO EX.644
DA= 8.06 AC.
c= 0.57
tc= 13.0 mins.

TO EX.19
DA= 2.2 AC.
c= 0.63
tc= 11.5 mins.

TO EX.8
DA= 0.61 AC.
c= 0.48
tc= 9.9 mins.

TO 6-1
DA= 0.73 AC.
c= 0.50
tc= 10.1 mins.

TO EX.7
DA= 0.74 AC.
c= 0.51
tc= 10.1 mins.

TO EX.6
DA= 0.76 AC.
c= 0.52
tc= 10.2 mins.

TO 4-3
DA= 4.62 AC.
c= 0.48
tc= 11.9 mins.

TO 5-1
DA= 0.58 AC.
c= 0.62
tc= 10.9 mins.

TO 5-2
DA= 0.09 AC.
c= 0.63
tc= 5.0 mins.

TO 5-3
DA= .10 AC.
c= 0.58
tc= 6.8 mins.

TO EX.1
DA= 2.1 AC.
c= 0.63
tc= 11.4 mins.

MATCH LINE - SEE SHEET 2G(5)

MATCH LINE STA 108+00.00 - SEE SHEET 2G(5)

NOTE: SEE SHEET 2G(2) FOR THE PROPOSED OUTFALL MAP

SCALE
0 50' 100'

PRELIMINARY PLANS

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EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

REVISIONS				
△#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
PROPOSED SITE DRAINAGE AREA MAP

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=50'	DRAFTED: JDW	2G(6)
	CHECKED: RBH	

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200, JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

EXISTING SITE LOD MAP

VA STATE PLANE GRID NORTH
NAD 83, NORTH ZONE

Begin Project
Begin Construction
EN20-029-495
Sta. 97+91.67

SHREVE ROAD (ROUTE 703)

Shreve Road Constr. @

HOLLY MANOR DRIVE

MATCH LINE STA 102+25.00 - SEE SHEET 2H(2)

PRELIMINARY PLANS

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LEGEND

LOD LOD AREA = 0.61 Ac.

EXISTING IMPERVIOUS = 0.22 Ac.

EXISTING TURF = 0.39

SCALE 0 25' 50'

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
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OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
EXISTING SITE LOD MAP

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

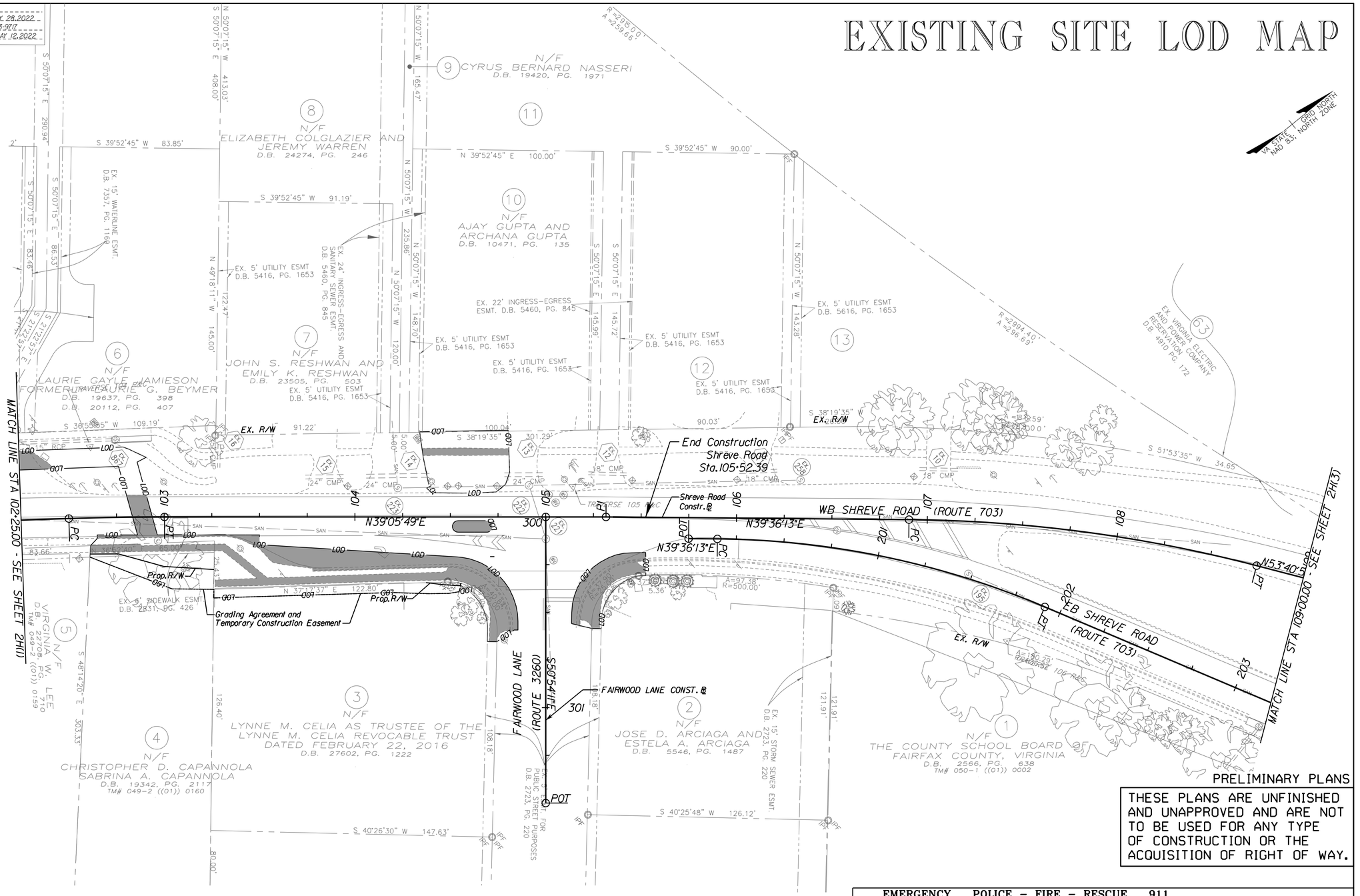
APPROVED BY THE TRANSPORTATION DESIGN DIVISION

SCALE 1"=25'
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 2H(1)

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28,2022
DESIGN BY WHITMAN,REQUARDT & ASSOCIATES, LLP (703)293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12,2022

EXISTING SITE LOD MAP



LEGEND

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EXISTING IMPERVIOUS = 0.22 Ac.

EXISTING TURF = 0.39

SCALE 0 25' 50'

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
EXISTING SITE LOD MAP

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	2H(2)
	CHECKED: RBH	

FUND # 500-C50000

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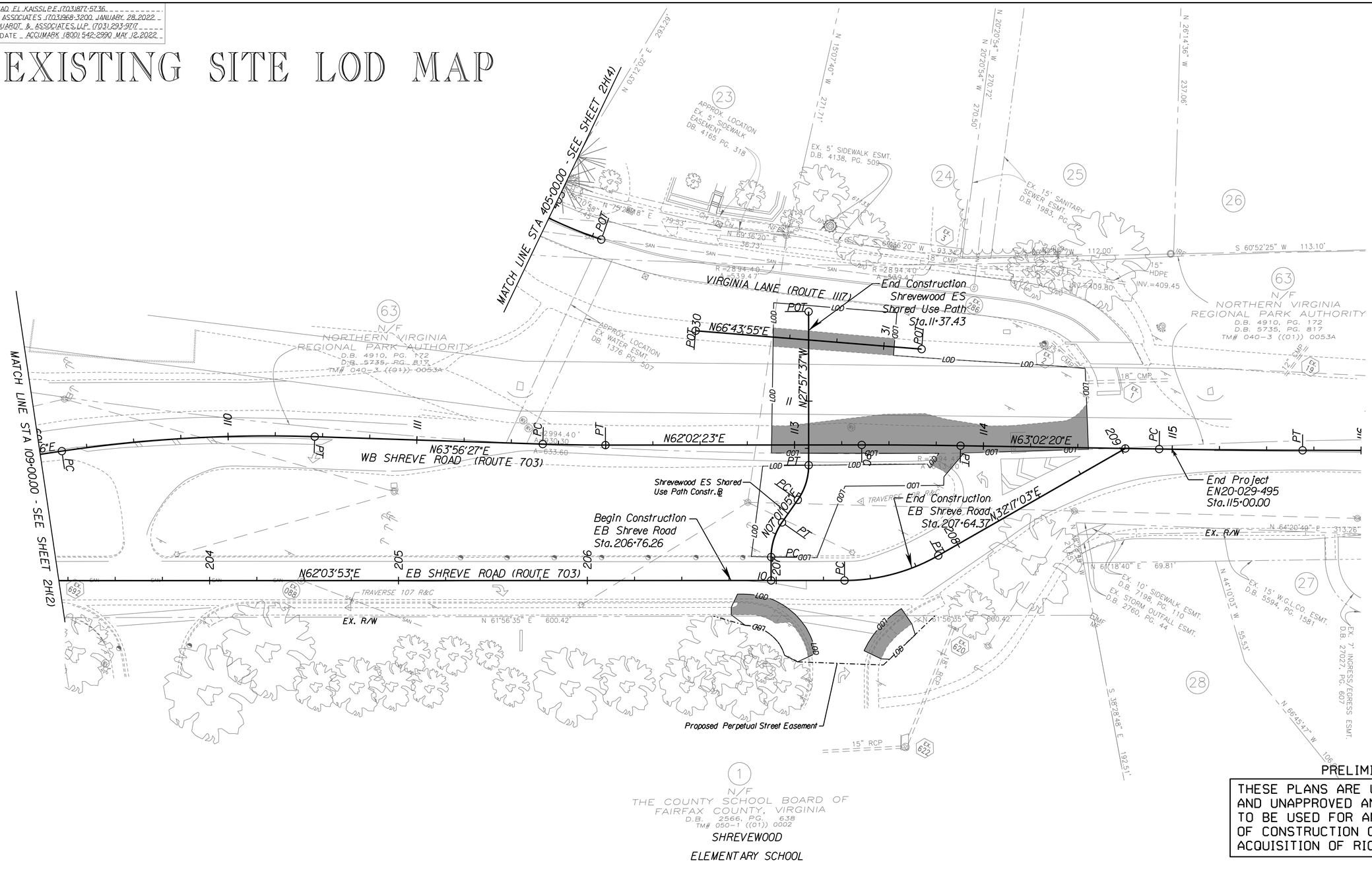
EXISTING SITE LOD MAP



PRELIMINARY PLANS

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EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
EXISTING SITE LOD MAP

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

SCALE 1"=25' | DESIGNED: TLL DRAFTED: JDW CHECKED: RBH | SHEET 2H(3)

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
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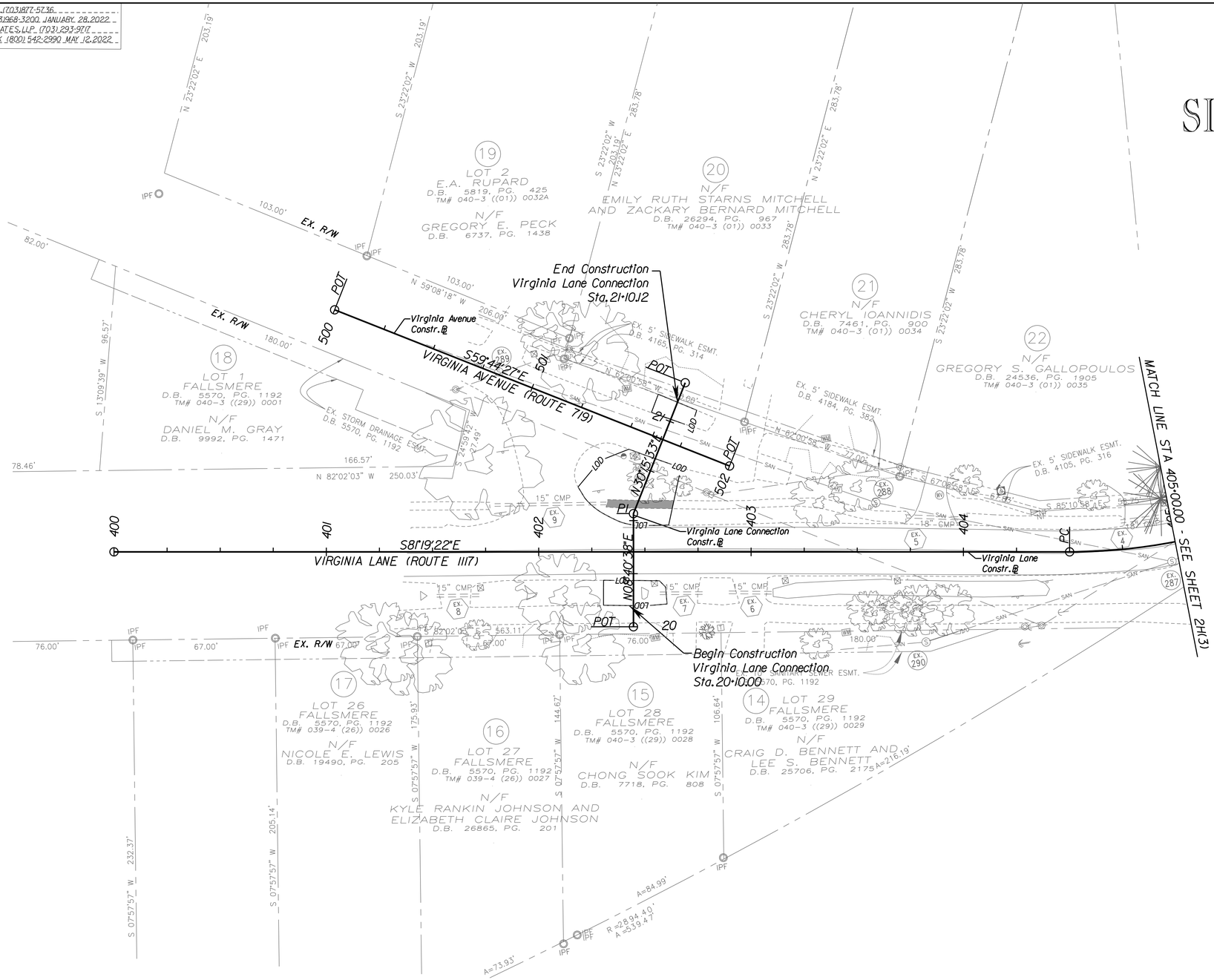
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12,2022

EXISTING SITE LOD MAP

VA STATE GRID NORTH NAD 83: NORTH ZONE



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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL

EXISTING SITE LOD MAP

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	2H(4)
	CHECKED: RBH	

FUND # 500-C50000

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SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

PROPOSED SITE LOD MAP

VA STATE PLANE GRID NORTH
NAD 83, NORTH ZONE

Begin Project
Begin Construction
EN20-029-495
Sta. 97+91.67

SHREVE ROAD (ROUTE 703)

Shreve Road
Constr. ℄

HOLLY MANOR DRIVE

MATCH LINE STA 102+25.00 - SEE SHEET 2H(6)

EX. R/W

EX. ESMT. FOR STORM WATER RETENTION POND AND STORM DRAINAGE D.B 4399, PG. 644

EX. 100' VEPCO ESMT. D.B 1125, PG. 80

EX. 26' INGRESS/EGRESS ESMT. D.B 4399, PG. 644

EX. 10' SANITARY SEWER ESMT. D.B 4399, PG. 644

EX. 10' WATER ESMT. D.B 4399, PG. 644

EX. 15' CITY OF FALLS CHURCH WATER ESMT. D.B 1474, PG. 1099

EX. VCWA ESMT. D.B 2375b, PG. 1836

EX. 10' VEPCO ESMT. D.B. 3042, PG. 593

EX. VEPCO ESMT. D.B. 15495, PG. 2029

EX. WATER QUALITY MANAGEMENT AREA D.B. 18444, PG. 117

EX. STORM DRAINAGE ESMT. D.B. 7357, PG. 1169

EX. 10' SANITARY SEWER ESMT. D.B. 7357, PG. 1169

EX. INGRESS-EGRESS ESMT. D.B. 7357, PG. 1169

EX. 6' SIDEWALK ESMT. D.B. 2835, PG. 422

EX. 20' ADDITIONAL PUBLIC ACCESS ESMT. D.B. 18292, PG. 2029

EX. INGRESS/EGRESS ESMT. D.B. 11209, PG. 532

EX. INGRESS / EGRESS ESMT. DB.2615 PG. 1579

EX. SIGHT DISTANCE ESMT. DB.2615 PG. 1579

SUBJECT TO UTILITY AND WALKWAY RESERVATION D.B 8570, PG. 1918

EX. INGRESS/ EGRESS ESMT. D.B 8570, PG. 1918

EX. 20' STORM DRAIN ESMT. D.B. 8570, PG. 1918

EX. 10' STORM DRAIN ESMT. D.B. 8570, PG. 1918

EX. 18' PRIVATE DRIVE ESMT. D.B 9003, PG. 1327

EX. 18' INGRESS/EGRESS ESMT. D.B. 11209, PG. 532

EX. 20' STORM DRAIN ESMT. D.B. 8570, PG. 1918

APPROX. LOCATION OF 6' SIDEWALK ESMT. D.B. 2835, PG. 18

APPROX. LOCATION OF EX. 15' PRESCRIPTIVE R/W D.B. 1474, PG. 1099

VIRGINIA W. LEE N/F D.B. 22708, PG. (701) TM# 049-2 ((01)) 0159

EX369 EX367 EX338 EX869

3-1 3-2

LOD

PRELIMINARY PLANS

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LEGEND

- LOD LOD AREA = 0.61 Ac.
- TOTAL IMPERVIOUS = 0.26 Ac.
- PROPOSED IMPERVIOUS = 0.16 Ac.
- EXISTING IMPERVIOUS = 0.10 Ac.
- PROPOSED TURF = 0.35 Ac.

SCALE 0 25' 50'

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
PROPOSED SITE LOD MAP

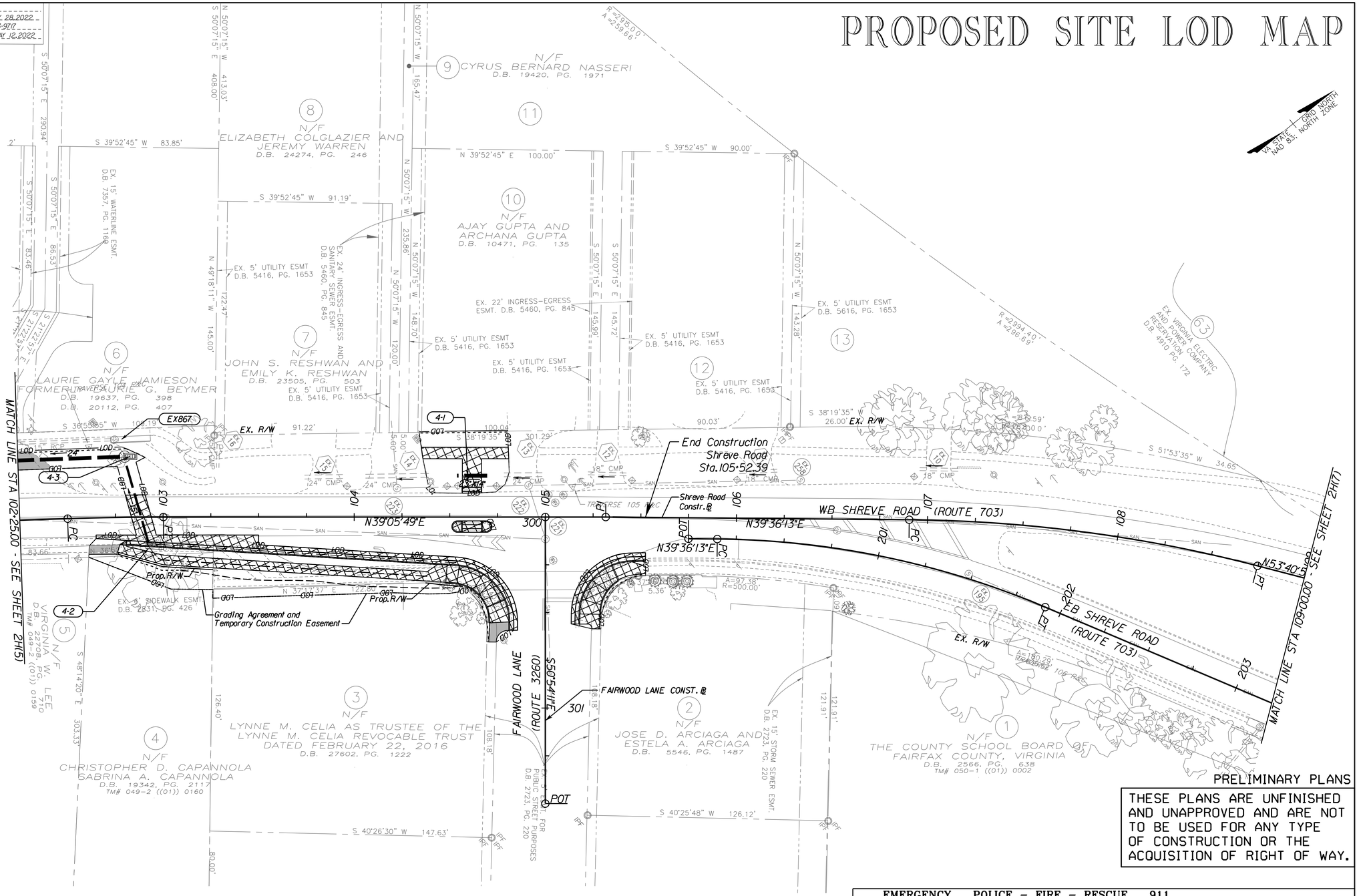
PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	2H(5)
	CHECKED: RBH	

FUND # 500-C50000

PROPOSED SITE LOD MAP

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703)293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022



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SCALE 0 25' 50'

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

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	APPROVED BY THE TRANSPORTATION DESIGN DIVISION			

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
PROPOSED SITE LOD MAP

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	2H(6)
	CHECKED: RBH	

FUND # 500-C50000

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SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

PROPOSED SITE LOD MAP

VA STATE GRID NORTH
NAD 83: NORTH ZONE

MATCH LINE STA 405+00.00 - SEE SHEET 2H(8)

MATCH LINE STA 109+00.00 - SEE SHEET 2H(9)

VIRGINIA LANE (ROUTE 1117)

WB SHREVE ROAD (ROUTE 703)

EB SHREVE ROAD (ROUTE 703)

End Construction
Shrevewood ES
Shared Use Path
Sta.11+37.43

Shrevewood ES Shared
Use Path Constr.

Begin Construction
EB Shreve Road
Sta.206+76.26

End Construction
EB Shreve Road
Sta.207+64.37

End Project
EN20-029-495
Sta.115+00.00

V DITCH (DITCH 3)
(D=0.5' min, SS=4:1/6:1)

V DITCH (DITCH 2)
(D=0.5' min, SS=3:1)

EXISTING DITCH
TO BE MAINTAINED
(DITCH 1)

Proposed Perpetual Street Easement

APPROX. LOCATION
EX. 5' SIDEWALK
EASEMENT
D.B. 4165 PG. 318

EX. 5' SIDEWALK ESMT.
D.B. 4138, PG. 509

EX. 15' SANITARY
SEWER ESMT.
D.B. 1983, PG. 22

APPROX. LOCATION
EX. WATER ESMT.
D.B. 1376 PG. 507

63
N/F
NORTHERN VIRGINIA
REGIONAL PARK AUTHORITY
D.B. 4910, PG. 172
D.B. 5735, PG. 817
TM# 040-3 ((01)) 0053A

1
N/F
THE COUNTY SCHOOL BOARD OF
FAIRFAX COUNTY, VIRGINIA
D.B. 2566, PG. 638
TM# 050-1 ((01)) 0002
SHREVEWOOD
ELEMENTARY SCHOOL

EX. 10' SIDEWALK ESMT.
D.B. 7198, PG. 110
EX. STORM OUTFALL ESMT.
D.B. 2760, PG. 44

EX. 15' W.G.L.CO. ESMT.
D.B. 5594, PG. 1581

EX. 7' INGRESS/EGRESS ESMT.
D.B. 27027, PG. 607

PRELIMINARY PLANS

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PROPOSED TURF = 0.35

SCALE 0 25' 50'

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
PROPOSED SITE LOD MAP

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	2H(7)
	CHECKED: RBH	

FUND # 500-C50000

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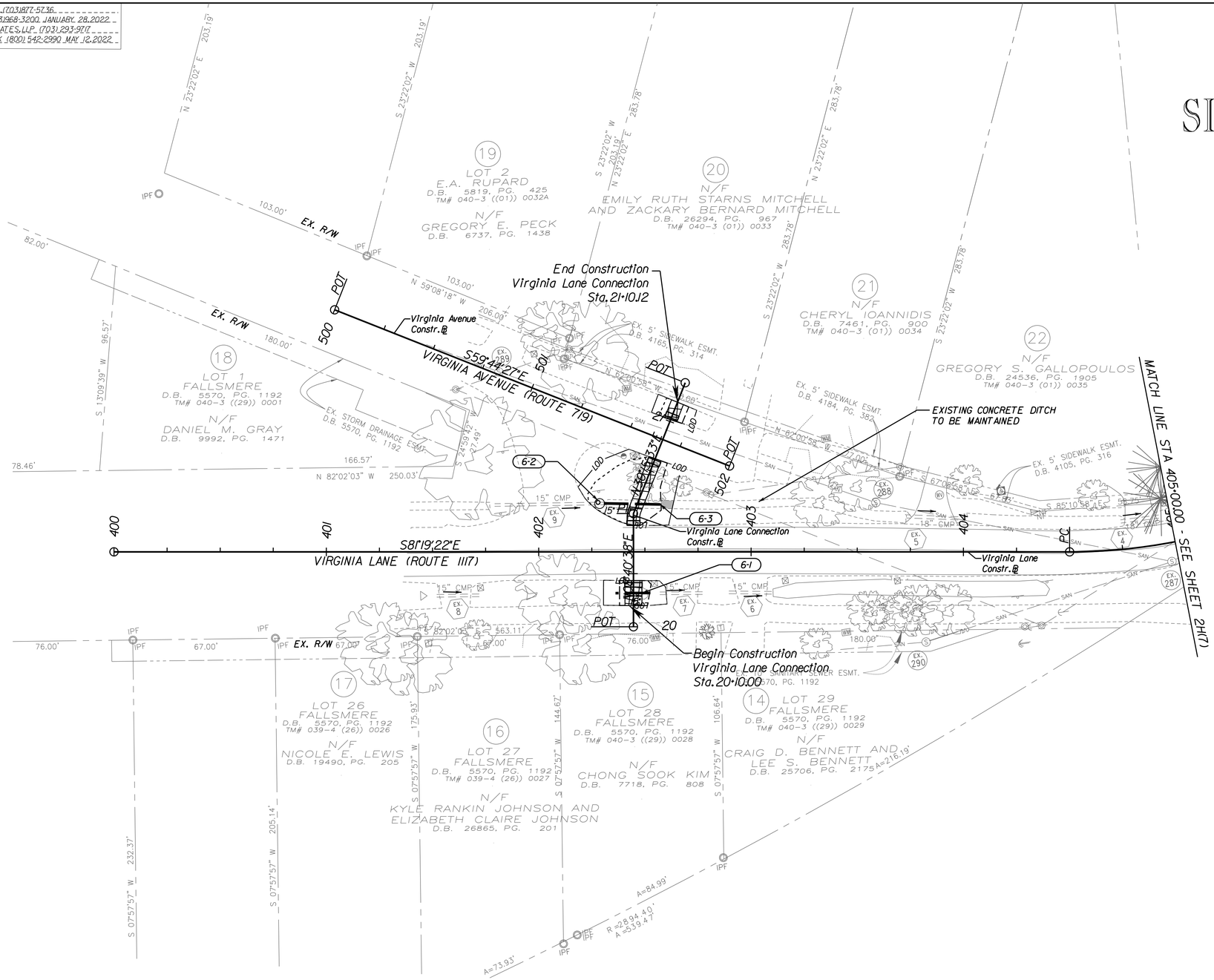
PROPOSED SITE LOD MAP

VA STATE GRID NORTH NAD 83: NORTH ZONE



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SCALE 0 25' 50'

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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
PROPOSED SITE LOD MAP

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	2H(8)
	CHECKED: RBH	

FUND # 500-C50000

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Whitman, Requardt & Associates Richmond, Virginia HYDRAULIC ENGINEER	Whitman, Requardt & Associates Fairfax, Virginia ROADWAY ENGINEER

VA STATE PLANE GRID NORTH
NAD 83, NORTH ZONE

SHREVE ROAD (ROUTE 703)

HOLLY MANOR DRIVE

Begin Project
Begin Construction
EN20-029-495
Sta. 97+91.67

Tie Into Existing Curb and Gutter
Sta. 97+91.67

End Curb and Gutter
Sta. 98+93.30

Shreve Road Constr. ℄

Ex. R/W

MATCH LINE STA 102+25.00 - SEE SHEET 4

(C1) Curve 001
PI = 99+26.07
DELTA = 16°45'47.47" (LT)
D = 11°15'21"
T = 74.99'
L = 148.93'
R = 509.03'
PC = 98+51.07
PT = 99+99.99
e = existing

PRELIMINARY PLANS

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LEGEND

- Proposed Mill and Overlay
- Proposed Full Depth Pavement
- Proposed Demolition of Pavement
- Proposed "V" Ditch
- C ---- Denotes Construction Limit In Cut
- F ---- Denotes Construction Limit In Fill

1. 5' WIDE CONCRETE SIDEWALK
2. 6' WIDE ASPHALT WALKWAY
3. 10' WIDE SHARED USE PATH
4. ST'D VDOT MS-1 REQ'D
5. ST'D VDOT CG-6 REQ'D
6. ST'D VDOT RADIAL CG-6 REQ'D
7. ST'D VDOT CG-12 TYPE B REQ'D
8. ST'D VDOT CG-12 TYPE M2 REQ'D
9. ST'D VDOT CG-12 DETECTABLE WARNING SURFACE REQ'D
10. FULL DEPTH SAW CUT
11. ST'D VDOT UD-3 REQ'D
12. ST'D VDOT UD-4 REQ'D
13. REMOVE EXISTING SIDEWALK
14. REMOVE EXISTING CURB AND GUTTER
15. RELOCATED EXISTING SIGN
16. REMOVE AND RESET EXISTING MAILBOX

SCALE 0 25' 50'

EMERGENCY POLICE – FIRE – RESCUE 911

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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL

PLAN SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL DRAFTED: JDW CHECKED: RBH	SHEET
1"=25'		3

FUND # 500-C50000

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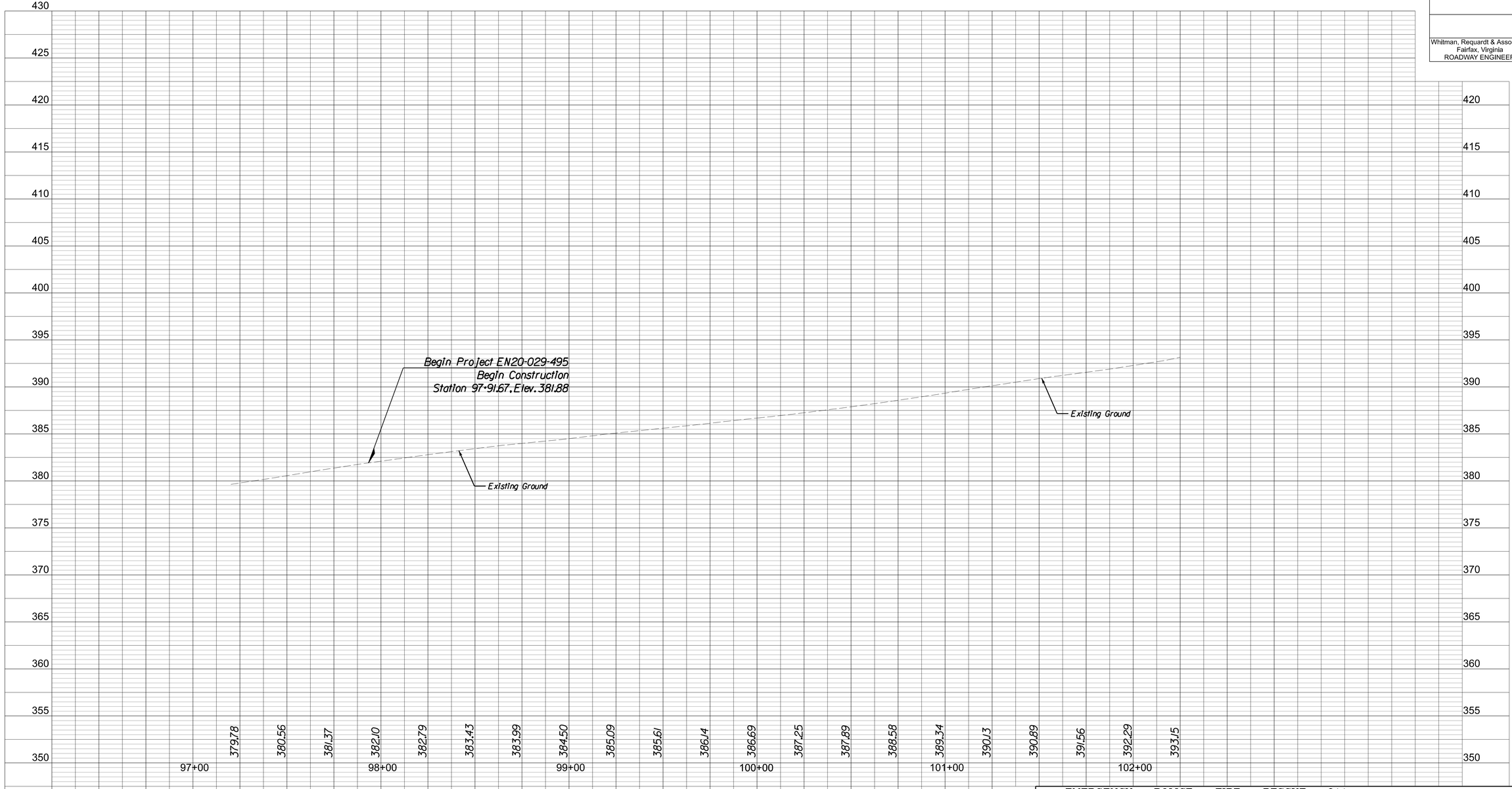
SHREVE ROAD (RTE.703) PROFILE

Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER



HOR SCALE: 1" = 25'
VERT SCALE: 1" = 5'
5'
0'
0'
25'

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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
PROFILE SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS

△#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

SCALE AS SHOWN
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 3A

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200, JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

EROSION AND SEDIMENT CONTROL PLAN

VA STATE PLANE GRID NORTH
NAD 83, NORTH ZONE

Begin Project
Begin Construction
EN20-029-495
Sta. 97+91.67

SHREVE ROAD (ROUTE 703)

Shreve Road
Constr. ℄

HOLLY MANOR DRIVE

MATCH LINE STA 102+25.00 - SEE SHEET 4B

PRELIMINARY PLANS

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LEGEND

- LOD Denotes Limits of Disturbance
- Denotes Proposed "V" Ditch
- C Denotes Construction Limit In Cut
- F Denotes Construction Limit In Fill
- IP-A / IP-B — Denotes Inlet Protection, VDOT ST'D EC-6 Type A/B, Using Sediment Retention Roll
- IP-C — Denotes Inlet Protection, VDOT ST'D EC-6 Type C, Using Rock Check Dam Type 2
- TSF — Denotes Temporary Silt Fence, VDOT ST'D EC-5 Type B
- Denotes VDOT ST'D EC-3, Jute Mesh Type I
- RCD — Denotes Rock Check Dam Type 2 VDOT ST'D EC-4
- Denotes Tree Removal
- Denotes Critical Root Zone

SCALE
0 25' 50'

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

REVISIONS				
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OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
EROSION AND SEDIMENT CONTROL PLAN

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	3B
	CHECKED: RBH	

FUND # 500-C50000

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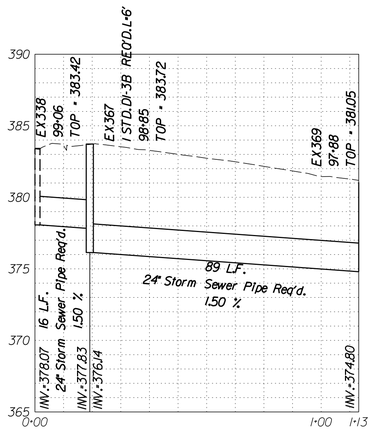
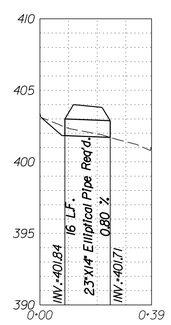
DRAINAGE PROFILES AND DESCRIPTIONS

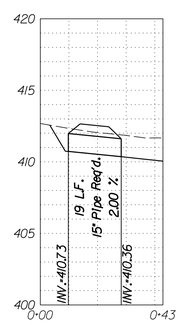
Profile EX338 to EX369



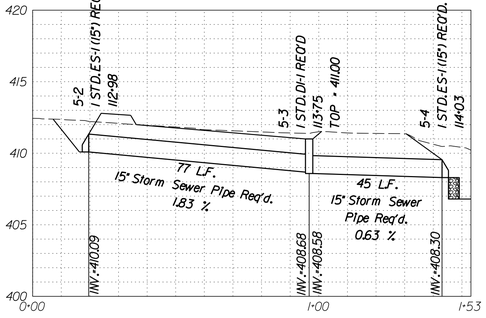
Profile 4-1



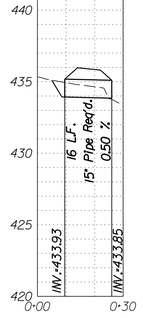
Profile 5-1



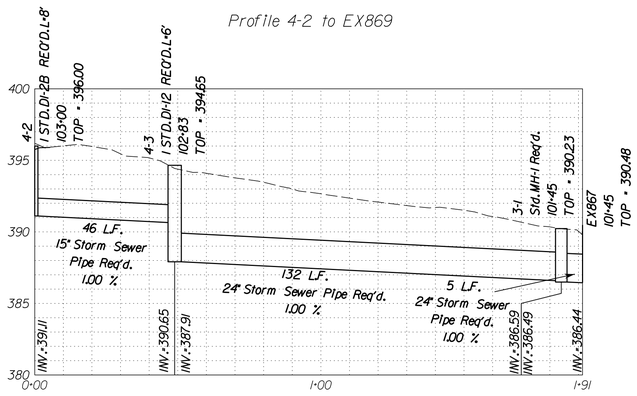
Profile 5-2 to 5-4



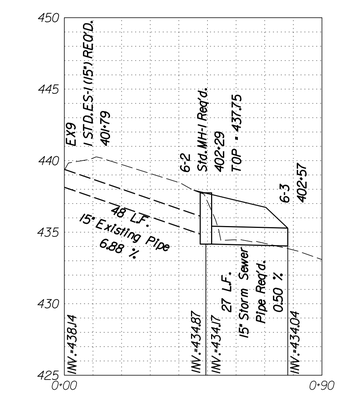
Profile 6-1



Profile 4-2 to EX869



Profile EX.9 to 6-3



SHEET 3

EX.338	MODIFY STR.TO ACCEPT PROP.24" PIPE
EX.338 TO EX.367	16 L.F.-24" STORM SEWER PIPE REQ'D (3' COVER) INV.(IN) 378.07 INV.(OUT) 377.83 SILT-TIGHT JOINT TYPE REMOVE 11 L.F.OF EX.18" PIPE
EX.367	REMOVE EX.STRUCTURE TOP 1 ST'D DI-3B (L=6') REQ'D INV.(OUT) 376.14 MODIFY STR.TO ACCEPT PROP.24" PIPE
EX.367 TO EX.369	89 L.F.-24" STORM SEWER PIPE REQ'D (4' COVER) INV.(IN) 376.14 INV.(OUT) 374.80 SILT-TIGHT JOINT TYPE REMOVE 89 L.F.OF EX.18" PIPE
EX.369	MODIFY STR.TO ACCEPT PROP.24" PIPE
EX.869	MODIFY STR.TO ACCEPT PROP.24" PIPE
3-1	3.1 FT.ST'D MH-1 OR MH-2 REQ'D ST'D MH-1 FRAME AND COVER REQ'D INV.386.49
3-1 TO EX.869	5 L.F.-24" STORM SEWER PIPE REQ'D (2' COVER) INV.(IN) 386.49 INV.(OUT) 386.44 SILT-TIGHT JOINT TYPE
3-2	REMOVE EX.DI TOP REPLACE TOP WITH 1 ST'D DI-4C (L=8') TOP REQ'D

SHEET 4

4-1	16 L.F.-23" X 14" PIPE REQ'D (1' COVER) INV.(IN) 401.84 INV.(OUT) 401.71 SILT-TIGHT JOINT TYPE
4-2	1 ST'D DI-2B (L=8') REQ'D H = 4.4' INV.391.11 ST'D ST-1 REQ'D; CONNECT UD TO STRUCTURE
4-2 TO 4-3	46 L.F.-15" STORM SEWER PIPE REQ'D (3' COVER) INV.(IN) 391.11 INV.(OUT) 390.65 SILT-TIGHT JOINT TYPE
4-3	1 ST'D DI-12 (L=6') TYPE II REQ'D H = 6.7' INV.387.91 ST'D IS-1 REQ'D; ST'D ST-1 REQ'D;
4-3 TO 3-1	132 L.F.-24" STORM SEWER PIPE REQ'D (4' COVER) INV.(IN) 387.91 INV.(OUT) 386.59 SILT-TIGHT JOINT TYPE

SHEET 5

5-1	19 L.F.-15" PIPE REQ'D (1' COVER) INV.(IN) 410.73 INV.(OUT) 410.36 SILT-TIGHT JOINT TYPE
5-2	1 ST'D ES-1 (15") REQ'D INV.410.09
5-2 TO 5-3	77 L.F.-15" STORM SEWER PIPE REQ'D (1' COVER) INV.(IN) 410.09 INV.(OUT) 408.68 SILT-TIGHT JOINT TYPE
5-3	1 ST'D DI-1 REQ'D H = 2.4' INV.(OUT) 408.58 ST'D IS-1 REQ'D
5-3 TO 5-4	45 L.F.-15" STORM SEWER PIPE REQ'D (2' COVER) INV.(IN) 408.58 INV.(OUT) 408.30 SILT-TIGHT JOINT TYPE
5-4	1 ST'D ES-1 (15") REQ'D INV.408.30 1.1 CY ST'D.EC-1 CLASS A1 REQ'D

SHEET 6

6-1	16 L.F.-15" PIPE REQ'D (1' COVER) INV.(IN) 433.93 INV.(OUT) 433.85 SILT-TIGHT JOINT TYPE
6-2	2.9 FT.ST'D MH-1 OR MH-2 REQ'D ST'D MH-1 FRAME AND COVER REQ'D INV.343.17 CONNECT TO EX.15" PIPE
6-2 TO 6-3	27 L.F.-15" STORM SEWER PIPE REQ'D (2' COVER) INV.(IN) 343.17 INV.(OUT) 343.04 SILT-TIGHT JOINT TYPE
6-3	INV.343.04

UNDERDRAIN SUMMARY

FROM STATION	TO STATION	ST'D.UD-3 (LF)	ST'D.UD-4 (LF)	ST'D.UD-3 OUTLET PIPE (LF)	ST'D.UD-4 OUTLET PIPE (LF)	REMARKS
98+93 LT (SHREVE ROAD)	97+92 LT (SHREVE ROAD)		99		3	CONNECT TO EX.369
104+53 RT (SHREVE ROAD)	102+97 RT (SHREVE ROAD)	141	156	7	3	CONNECT TO STR.4-2

PRELIMINARY PLANS

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LEGEND

--- EXISTING GROUND

——— PROPOSED GROUND

VERTICAL SCALE 0 5' 10'

HORIZONTAL SCALE 0 25' 50'

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
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703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
DRAINAGE PROFILES AND DESCRIPTIONS

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 3C

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

Whitman, Requardt & Associates Richmond, Virginia HYDRAULIC ENGINEER	Whitman, Requardt & Associates Fairfax, Virginia ROADWAY ENGINEER

C2 Curve 002
PI = 102+75.11
DELTA = 01°54'52.33" (RT)
D = 3°49.11'
T = 25.06'
L = 50.12'
R = 1500.00'
PC = 102+50.05
PT = 103+00.17
e = existing

C3 Curve 003
PI = 107+83.02
DELTA = 14°04'43.31" (RT)
D = 7°38.22"
T = 92.61'
L = 184.29'
R = 750.00'
PC = 106+90.41
PT = 108+74.70
e = existing

C8 Curve 008
PI = 201+04.42
DELTA = 22°27'39.96" (RT)
D = 12°43.51"
T = 89.35'
L = 176.41'
R = 450.00'
PC = 200+15.07
PT = 201+91.48
e = existing

1 Sta.105+00.00 SHREVE ROAD WB @
Sta.300+00.00 FAIRWOOD LANE @
△ = 90° 00' 00"

VA STATE PLANE | GRID NORTH
NAD 83, NORTH ZONE

MATCH LINE STA 102+25.00 - SEE SHEET 3

MATCH LINE STA 109+00.00 - SEE SHEET 5

N/F CYRUS BERNARD NASSERI D.B. 19420, PG. 1971

N/F ELIZABETH COLGLAZIER AND JEREMY WARREN D.B. 24274, PG. 246

N/F AJAY GUPTA AND ARCHANA GUPTA D.B. 10471, PG. 135

N/F JOHN S. RESHWAN AND EMILY K. RESHWAN D.B. 23505, PG. 503

N/F LAURIE GAYLE JAMESON FORMERLY LAURIE G. BEYMER D.B. 19637, PG. 398 D.B. 20112, PG. 407

N/F VIRGINIA W. D.B. 22708, PG. 0159 TM# 049-2 ((01)) 0159

N/F CHRISTOPHER D. CAPANNOLA SABRINA A. CAPANNOLA D.B. 19342, PG. 2117 TM# 049-2 ((01)) 0160

N/F LYNNE M. CELIA AS TRUSTEE OF THE LYNNE M. CELIA REVOCABLE TRUST DATED FEBRUARY 22, 2016 D.B. 27602, PG. 1222

N/F JOSE D. ARCIAGA AND ESTELA A. ARCIAGA D.B. 5546, PG. 1487

N/F THE COUNTY SCHOOL BOARD OF FAIRFAX COUNTY, VIRGINIA D.B. 2566, PG. 638 TM# 050-1 ((01)) 0002

EX. VIRGINIA ELECTRIC AND POWER COMPANY RESERVATION D.B. 490 PG. 172

WB SHREVE ROAD (ROUTE 703)

EB SHREVE ROAD (ROUTE 703)

FAIRWOOD LANE (ROUTE 3260)

EX. 15' WATERLINE ESMT. D.B. 7357, PG. 1166

EX. 5' UTILITY ESMT D.B. 5416, PG. 1653

EX. 24' INGRESS-EGRESS AND SANITARY SEWER ESMT. D.B. 3460, PG. 845

EX. 22' INGRESS-EGRESS ESMT. D.B. 5460, PG. 845

EX. 5' UTILITY ESMT D.B. 5616, PG. 1653

EX. 15' STORM SEWER ESMT. D.B. 2723, PG. 230

Tie Into Existing Sta.104+80.74

Tie Into Existing Sta.104+35.67

End Construction Shreve Road Sta.105+52.39

Shreve Road Constr. ℄

Relocate Manhole (by others)

185' Lane Shift

Tie Into Existing Entrance, Sidewalk Sta.102+75.00

See Note 2

Grading Agreement and Temporary Construction Easement

Remove Existing Fence

Prop. R/W

Remove and Replace Fence Sta.103+26.51 to Sta. 104+25.68

Grading Agreement and Temporary Construction Easement

Tie Into Existing Sidewalk Sta. 300+65.41

Tie Into Existing Curb and Gutter Sta. 300+59.30

Tie Into Existing Sidewalk, Curb and Gutter Sta.105+52.69

See Note 1

Tie Into Existing Sidewalk Sta. 300+58.54

Tie Into Existing Curb and Gutter Sta. 300+56.02

Fairwood Lane Const. ℄

POT

EX. R/W

Prop. R/W

EX. F SIDEWALK ESMT D.B. 2831, PG. 426

EX. 5' UTILITY ESMT D.B. 5416, PG. 1653

EX. 5' UTILITY ESMT D.B. 5616, PG. 1653

EX. 5' UTILITY ESMT D.B. 5416

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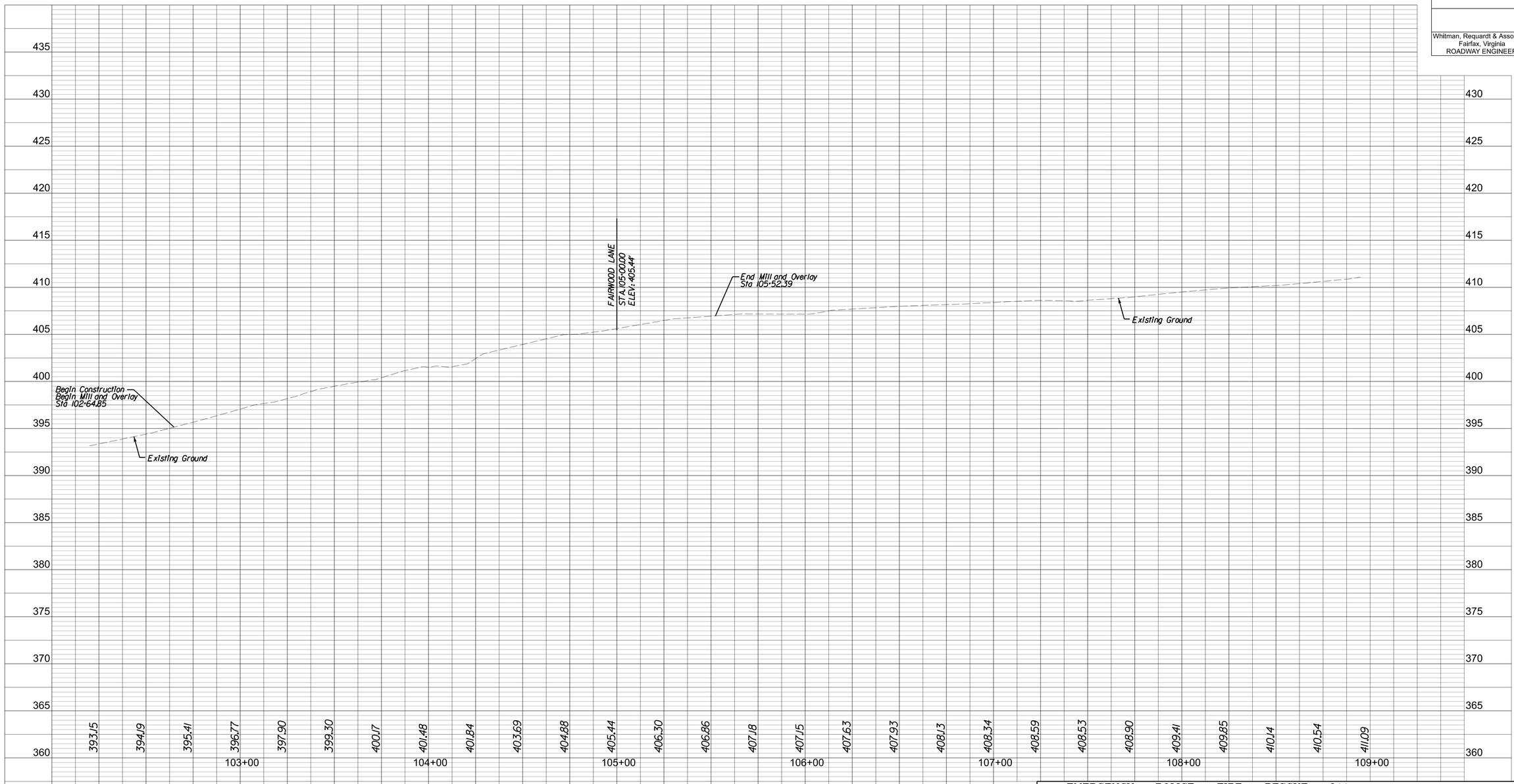
SHREVE ROAD (RTE.703) PROFILE

Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER



HOR SCALE:1"=25'
VERT SCALE:1"=5'
5'
0'
0'
25'

PRELIMINARY PLANS

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EMERGENCY POLICE – FIRE – RESCUE 911

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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL

PROFILE SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
AS SHOWN	DRAFTED: JDW	4A(1)
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FAIRWOOD LANE (RTE.3260) PROFILE

Whitman, Requardt & Associates
Fairfax, Virginia
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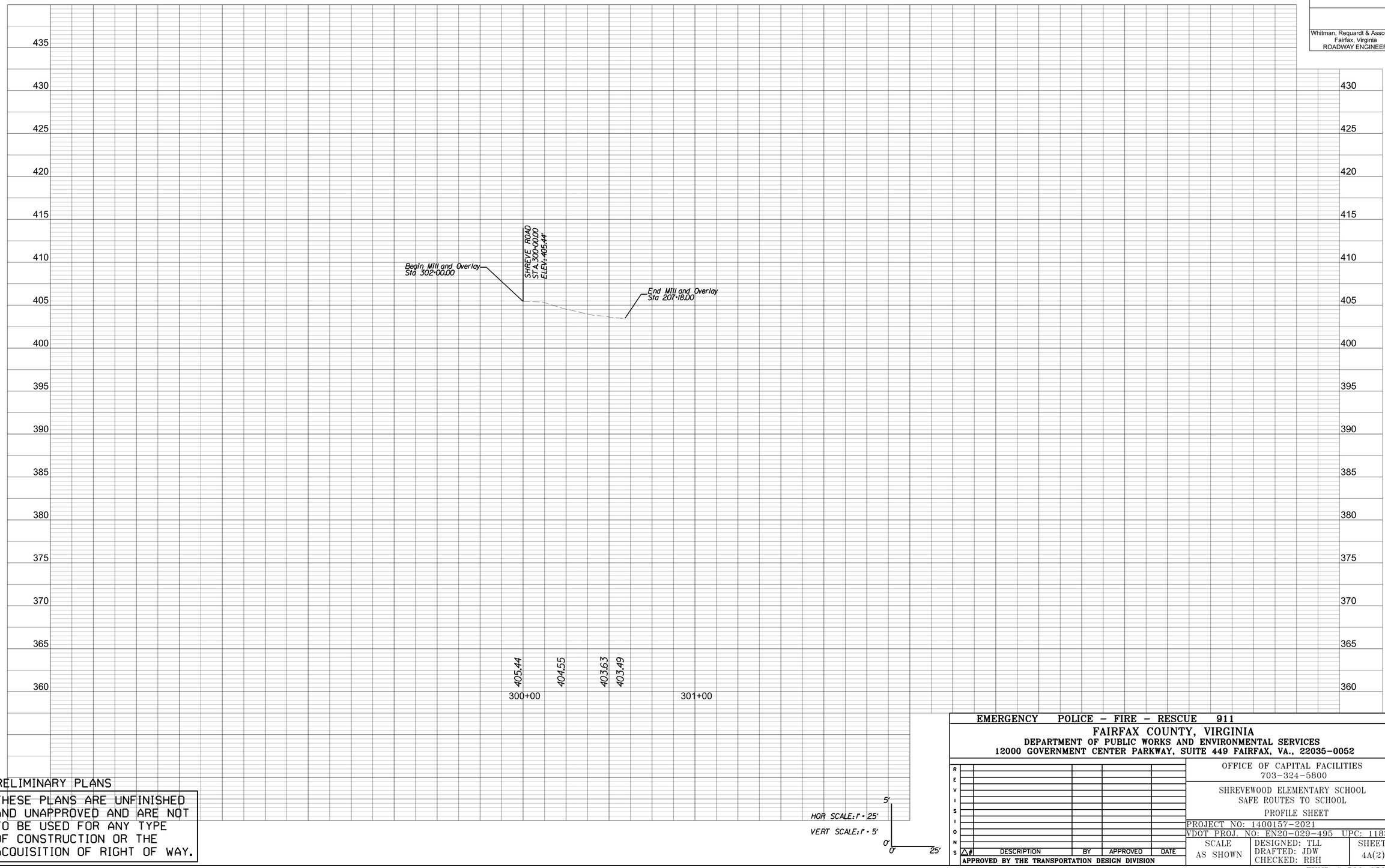

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SCALE	DESIGNED: TLL	SHEET
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FUND # 500-C50000

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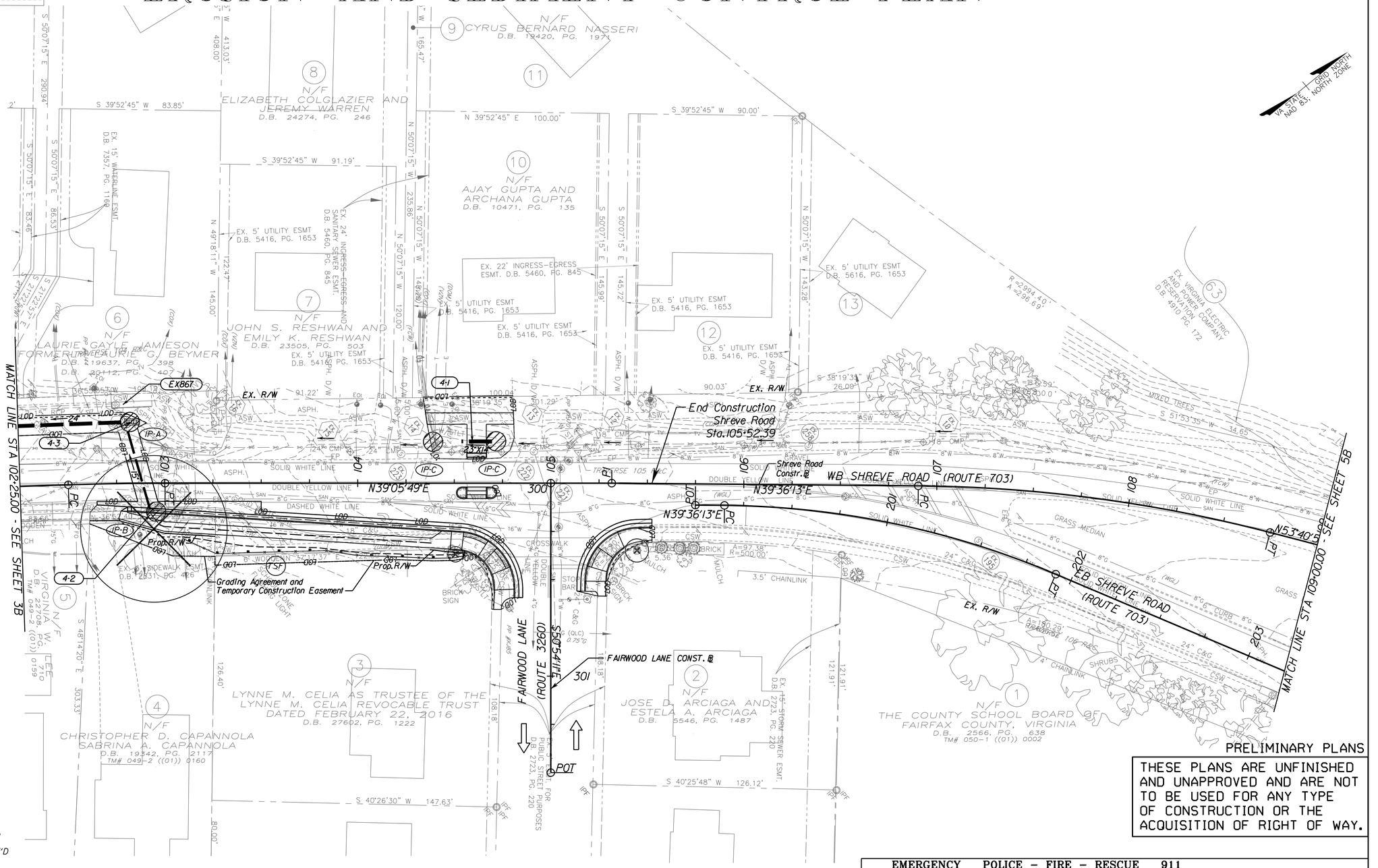
EROSION AND SEDIMENT CONTROL PLAN



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- TSF — Denotes Temporary Silt Fence, VDOT ST'D EC-5 Type B
- Denotes VDOT ST'D EC-3, Jute Mesh Type I
- RCD — Denotes Rock Check Dam Type 2 VDOT ST'D EC-4
- Denotes Tree Removal
- Denotes Critical Root Zone

TREE REMOVAL TABLE

TREE TYPE	TREE DIA. (IN)	STATION	OFFSET
MAPLE	38	102+94.28	23.68 RT
HOLLY	4	104+50.61	36.86 RT
HOLLY	6	105+44.97	34.76 RT

SCALE 0 25' 50'

EMERGENCY POLICE - FIRE - RESCUE 911

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Whitman, Requardt & Associates Richmond, Virginia HYDRAULIC ENGINEER	Whitman, Requardt & Associates Fairfax, Virginia ROADWAY ENGINEER

(C4) Curve 004
PI • 109+78.91
DELTA • 10°15'31.49" (RT)
D • 7°38'22"
T • 67.32'
L • 134.29'
R • 750.00'
PC • 109+11.59
PT • 110+45.87
e • existing

(C5) Curve 005
PI • 111+83.29
DELTA • 1°54'04.78" (LT)
D • 5°43'46"
T • 16.59'
L • 33.18'
R • 1000.00'
PC • 111+66.69
PT • 111+99.88
e • existing

(C6) Curve 006
PI • 113+61.75
DELTA • 00°59'57.01" (RT)
D • 1°54'35"
T • 26.16'
L • 52.32'
R • 3000.00'
PC • 113+35.59
PT • 113+87.90
e • existing

(C7) Curve 007
PI • 115+31.06
DELTA • 00°52'12.01" (LT)
D • 1°08'45"
T • 37.96'
L • 75.92'
R • 5000.00'
PC • 114+93.10
PT • 115+69.02
e • existing

(C9) Curve 009
PI • 207+62.76
DELTA • 29°46'49.65" (LT)
D • 57°17'45"
T • 26.59'
L • 51.98'
R • 100.00'
PC • 207+36.17
PT • 207+88.15
e • existing

(C10) Curve 010
PI • 404+90.32
DELTA • 17°37'46.09" (LT)
D • 22°02'13"
T • 40.32'
L • 80.00'
R • 260.00'
PC • 404+50.00
PT • 405+30.00
e • existing

(C11) Curve 011
PI • 10+22.51
DELTA • 34°57'12.55" (RT)
D • 179°02'58"
T • 10.08'
L • 19.52'
R • 32.00'
PC • 10+12.44
PT • 10+31.96
e • existing

(C12) Curve 012
PI • 10+56.65
DELTA • 34°58'42.48" (LT)
D • 179°02'58"
T • 10.08'
L • 19.54'
R • 32.00'
PC • 10+46.57
PT • 10+66.10
e • existing

MATCH LINE STA 405+00.00 - SEE SHEET 6

MATCH LINE STA 109+00.00 - SEE SHEET 4

VIRGINIA LANE (ROUTE 1117)

WB SHREVE ROAD (ROUTE 703)

EB SHREVE ROAD (ROUTE 703)

W&OD TRAIL

63 N/F NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
D.B. 4910, PG. 172
D.B. 5735, PG. 817
TM# 040-3 ((01)) 0053A

1 N/F THE COUNTY SCHOOL BOARD OF FAIRFAX COUNTY, VIRGINIA
D.B. 2566, PG. 638
TM# 050-1 ((01)) 0002
SHREVEWOOD ELEMENTARY SCHOOL

Begin Construction EB Shreve Road Sta.206+79.56

End Construction EB Shreve Road Sta.207+66.55

End Project EN20-029-495 Sta.115+00.00

Tie Into W&OD Trail Sta.30+50.00

Tie Into W&OD Trail Sta.30+95.46

W&OD Trail Constr.

Shreve Road Constr.

Shrevewood ES Shared Use Path Constr.

V DITCH (DITCH 2) (D=0.5' min, SS=3:1)

V DITCH (DITCH 3) (D=0.5' min, SS=4:1 & 6:1)

Sta. 113+01.50

Sta. 113+13.50

Sta. 113+80.00

Sta. 113+93.00

Sta. 207+18.00

Tie Into Existing Curb and Gutter Sta.206+79.57

Tie Into Existing Curb and Gutter Sta.207+17.25

Tie Into Existing Sidewalk, Curb and Gutter Sta.207+62.89

Tie Into Existing Sidewalk, Curb and Gutter Sta.207+49.18

EXISTING DITCH TO BE MAINTAINED (DITCH 1)

Proposed Perpetual Street Easement

APPROX. LOCATION EX. 5' SIDEWALK EASEMENT D.B. 4165, PG. 318

EX. 5' SIDEWALK ESMT. D.B. 4138, PG. 509

EX. 15' SANITARY SEWER ESMT. D.B. 1983, PG. 22

EX. 10' SIDEWALK ESMT. D.B. 7198, PG. 110

EX. STORM OUTFALL ESMT. D.B. 2760, PG. 44

EX. 15' W.G.L.CO. ESMT. D.B. 3594, PG. 1981

EX. 7' INGRESS/EGRESS ESMT. D.B. 27027, PG. 607

VA STATE PLANE GRID NORTH NAD 83, NORTH ZONE

PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

LEGEND

- Proposed Mill and Overlay
- Proposed Full Depth Pavement
- Proposed Demolition of Pavement
- Proposed "V" Ditch
- C ---- Denotes Construction Limit in Cut
- F ---- Denotes Construction Limit in Fill

1. 5' WIDE CONCRETE SIDEWALK
2. 6' WIDE ASPHALT WALKWAY
3. 10' WIDE SHARED USE PATH
4. ST'D VDOT MS-1 REQ'D
5. ST'D VDOT CG-6 REQ'D
6. ST'D VDOT RADIAL CG-6 REQ'D
7. ST'D VDOT CG-12 TYPE B REQ'D
8. ST'D VDOT CG-12 TYPE M2 REQ'D
9. ST'D VDOT CG-12 DETECTABLE WARNING SURFACE REQ'D
10. FULL DEPTH SAW CUT
11. ST'D VDOT UD-3 REQ'D
12. ST'D VDOT UD-4 REQ'D
13. REMOVE EXISTING SIDEWALK
14. REMOVE EXISTING CURB AND GUTTER
15. RELOCATED EXISTING SIGN
16. REMOVE AND RESET EXISTING MAILBOX

SCALE 0 25' 50'

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
PLAN SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

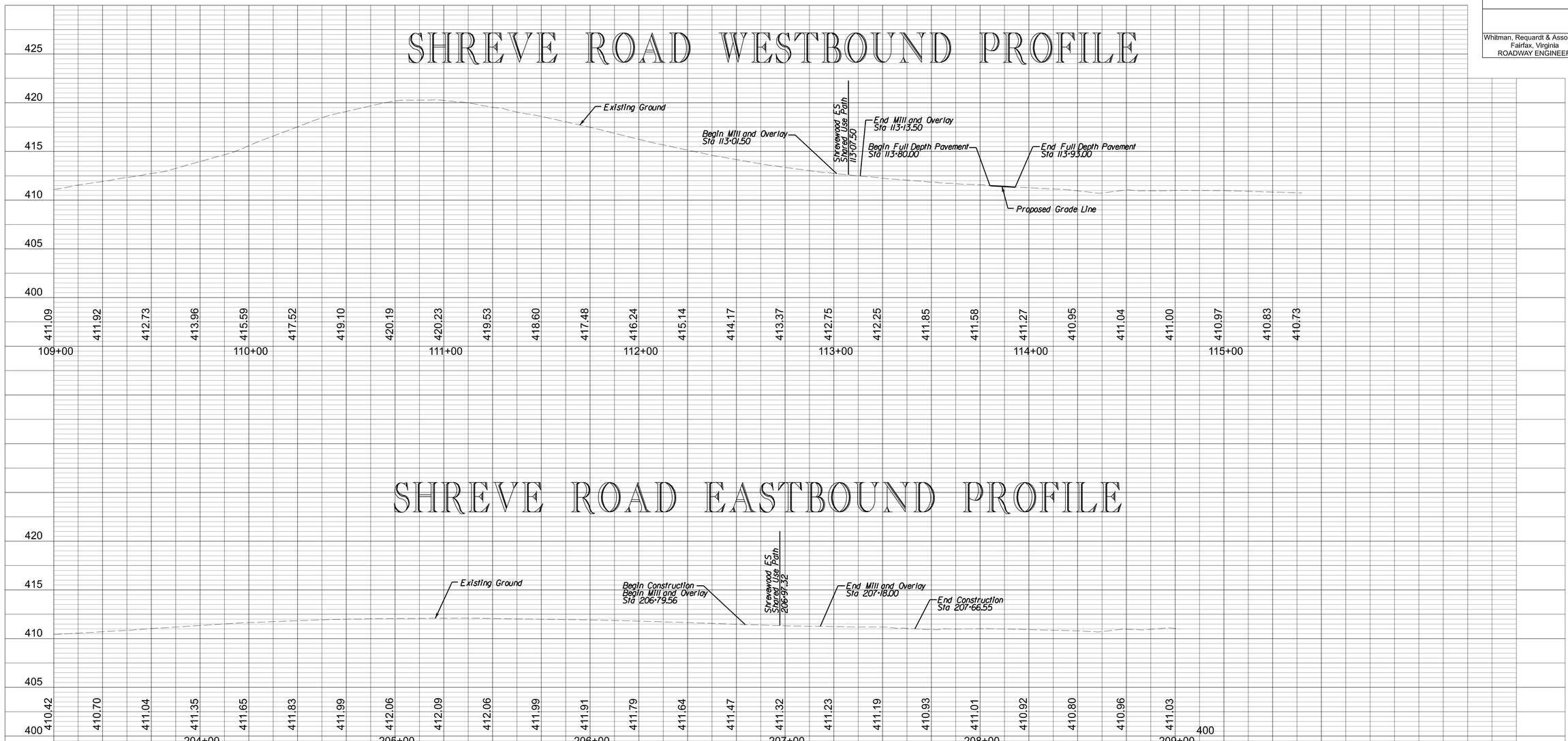
SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	5
	CHECKED: RBH	

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KASSLPE (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28,2022
DESIGN BY WHITMAN,REQUARDT & ASSOCIATES,LLP (703)293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800)542-2990 MAY 12,2022

Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER

SHREVE ROAD WESTBOUND PROFILE



SHREVE ROAD EASTBOUND PROFILE

HOR SCALE: 1" = 25'
VERT SCALE: 1" = 5'
5'
0'
0' 25'

PRELIMINARY PLANS

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EMERGENCY POLICE – FIRE – RESCUE 911

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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	5A(1)
	CHECKED: RBH	

FUND # 500-C50000

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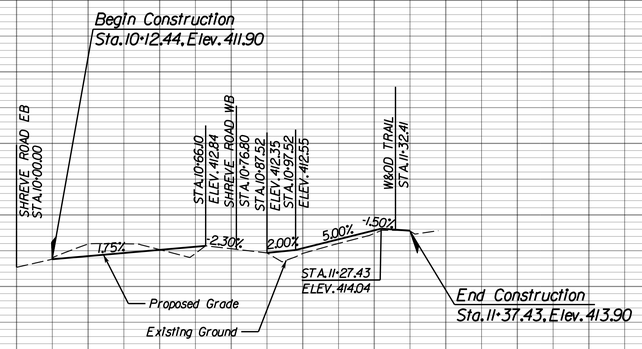
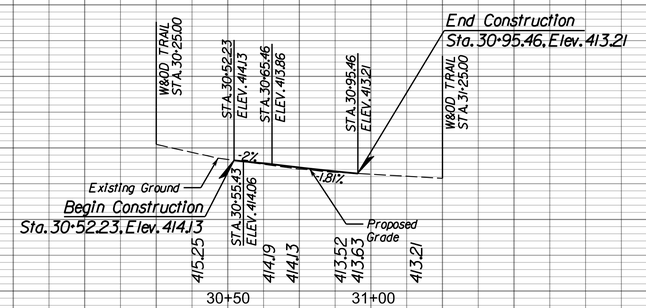
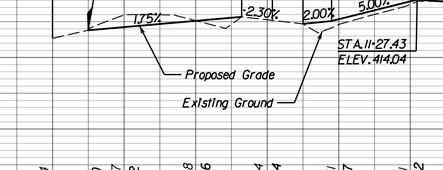
SHREVEWOOD ELEMENTARY SCHOOL
SHARED USE PATH PROFILE







Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER

PRELIMINARY PLANS

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HOR SCALE: 1" = 25'
VERT SCALE: 1" = 5'

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
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OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL

SHREVEWOOD ES SHARED USE PATH PROFILE

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

SCALE 1"=25'
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 5A(2)

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
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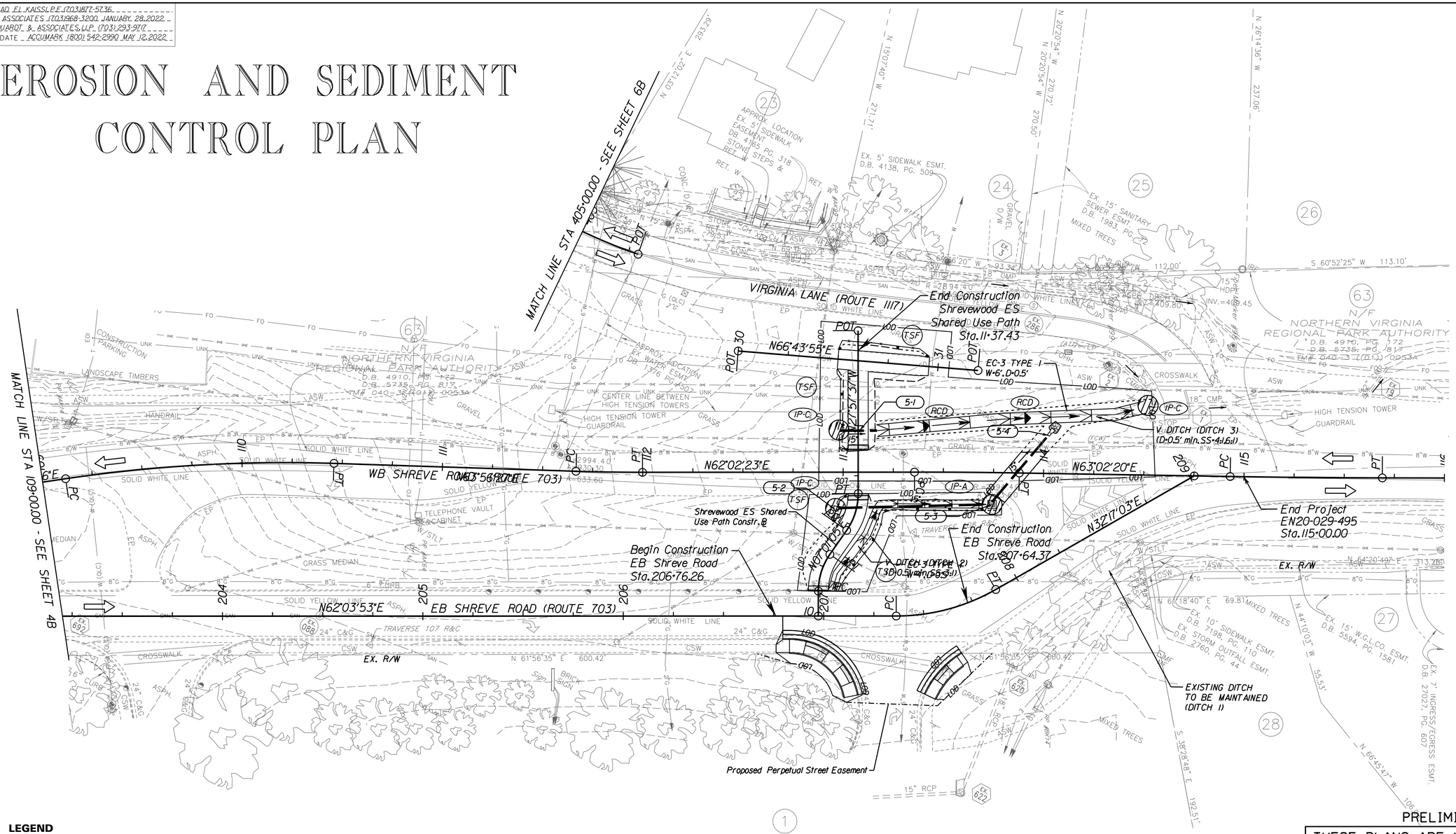
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

EROSION AND SEDIMENT CONTROL PLAN



LEGEND

- LOD · Denotes Limits of Disturbance
- Denotes Proposed "V" Ditch
- C — Denotes Construction Limit In Cut
- F — Denotes Construction Limit In Fill
- IP-A / IP-B — Denotes Inlet Protection, VDOT ST'D EC-6 Type A/B, Using Sediment Retention Roll
- IP-C — Denotes Inlet Protection, VDOT ST'D EC-6 Type C, Using Rock Check Dam Type 2
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- Denotes VDOT ST'D EC-3, Jute Mesh Type I
- RCD — Denotes Rock Check Dam Type 2 VDOT ST'D EC-4
- Denotes Tree Removal
- Denotes Critical Root Zone

SCALE 0 25' 50'

PRELIMINARY PLANS

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APPROVED BY THE TRANSPORTATION DESIGN DIVISION				

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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
EROSION AND SEDIMENT CONTROL PLAN

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	5B
	CHECKED: RBH	

FUND # 500-C50000

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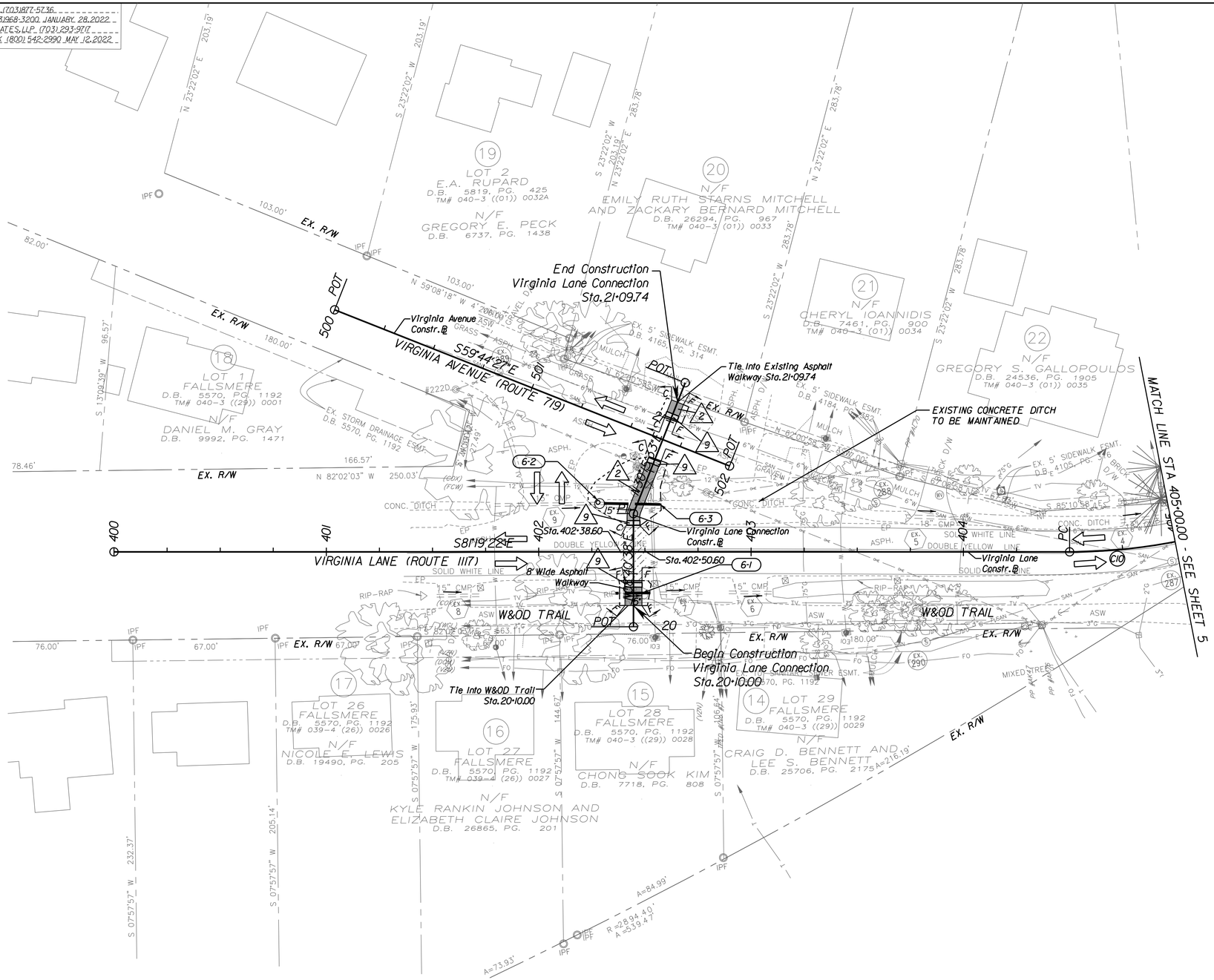
C10 Curve 010
PI = 404+90.32
DELTA = 17°37'46.09" (LT)
D = 22°02'13"
T = 40.32
L = 80.00'
R = 260.00'
PC = 404+50.00
PT = 405+30.00
e = existing

GRID NORTH
VA STATE PLANE, NORTH ZONE
NAD 83

Whitman, Requardt & Associates Richmond, Virginia HYDRAULIC ENGINEER	Whitman, Requardt & Associates Fairfax, Virginia ROADWAY ENGINEER



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LEGEND

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- Proposed Full Depth Pavement
- Proposed Demolition of Pavement
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- F — Denotes Construction Limit In Fill

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9. ST'D VDOT CG-12 DETECTABLE WARNING SURFACE REQ'D
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14. REMOVE EXISTING CURB AND GUTTER
15. RELOCATED EXISTING SIGN
16. REMOVE AND RESET EXISTING MAILBOX

SCALE
0 25' 50'

EMERGENCY POLICE – FIRE – RESCUE 911

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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL

PLAN SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	6
	CHECKED: RBH	

FUND # 500-C50000

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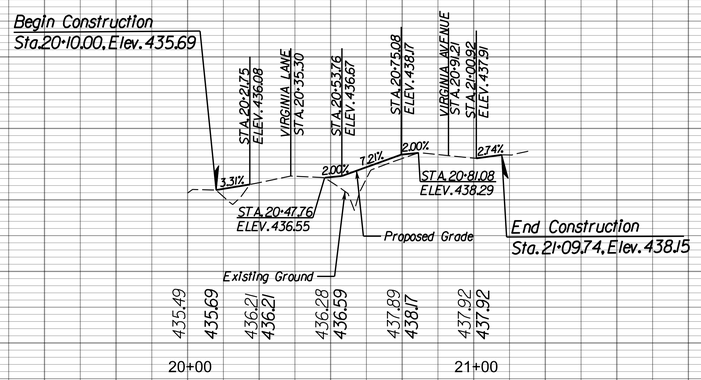
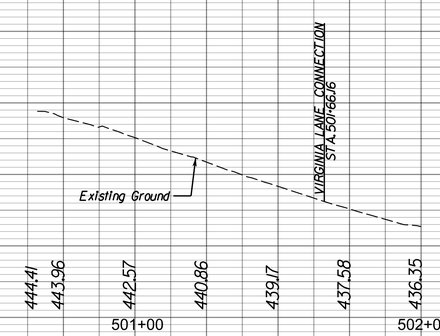
Whitman, Requardt & Associates
Fairfax, Virginia
ROADWAY ENGINEER

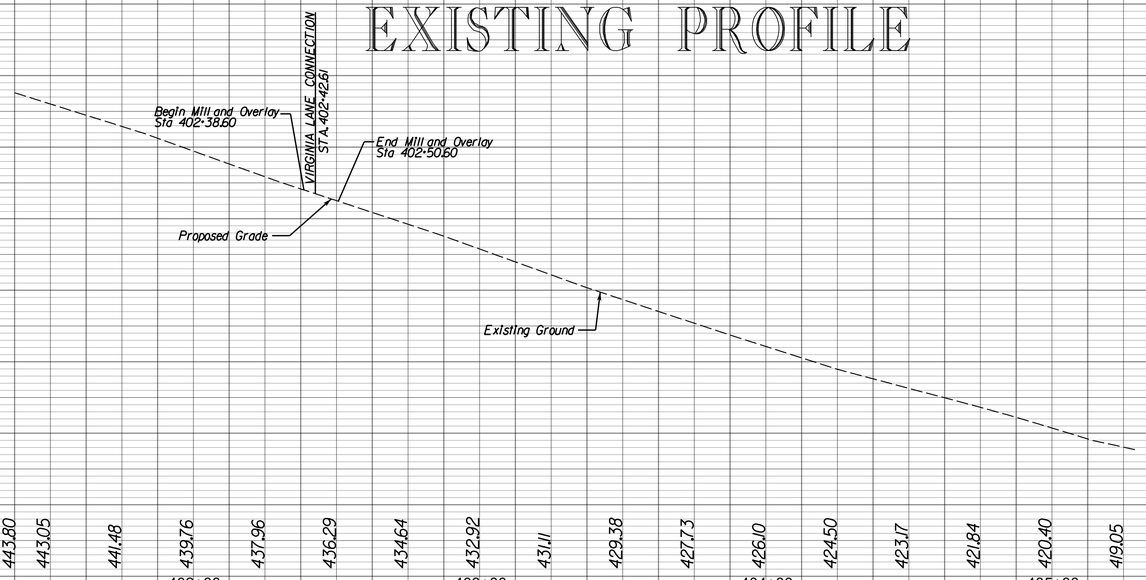
VIRGINIA LANE
CONNECTION PROFILE



VIRGINIA AVENUE
EXISTING PROFILE



VIRGINIA LANE
EXISTING PROFILE



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HOR SCALE: 1" = 25'
VERT SCALE: 1" = 5'
5' 0' 0' 25'

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
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OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
VIRGINIA LANE CONNECTION PROFILE

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

SCALE 1"=25'
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 6A

FUND # 500-C50000

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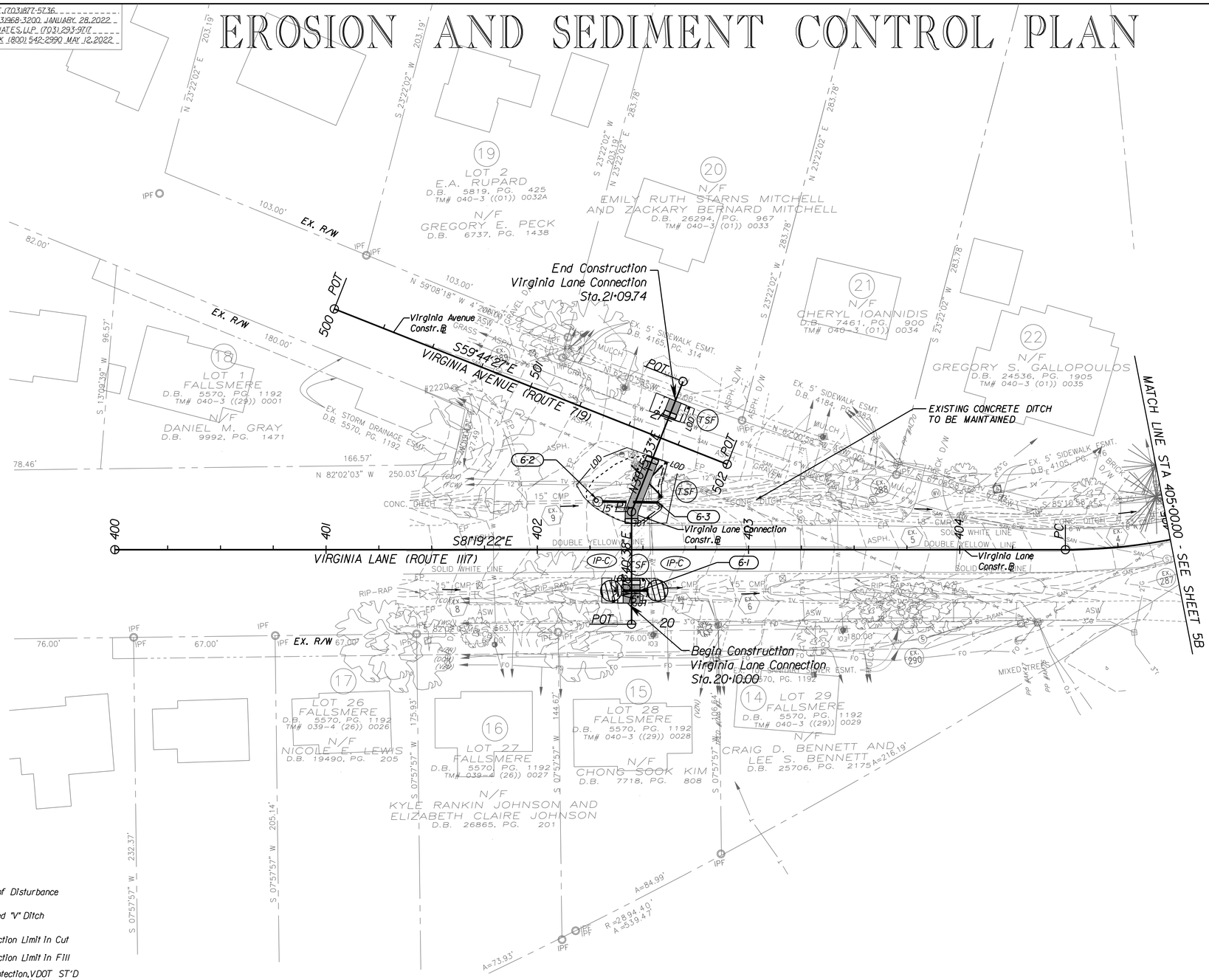
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703)293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12,2022

EROSION AND SEDIMENT CONTROL PLAN

VA STATE GRID NORTH
NAD 83, NORTH ZONE



LEGEND

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- Denotes Tree Removal
- Denotes Critical Root Zone

TREE REMOVAL TABLE			
TREE TYPE	TREE DIA. (IN)	STATION	OFFSET
DOGWOOD	8	402+51.90	32.40 LT

SCALE
0 25' 50'

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SAFE ROUTES TO SCHOOL
EROSION AND SEDIMENT CONTROL PLAN

PROJECT NO: 1400157-2021
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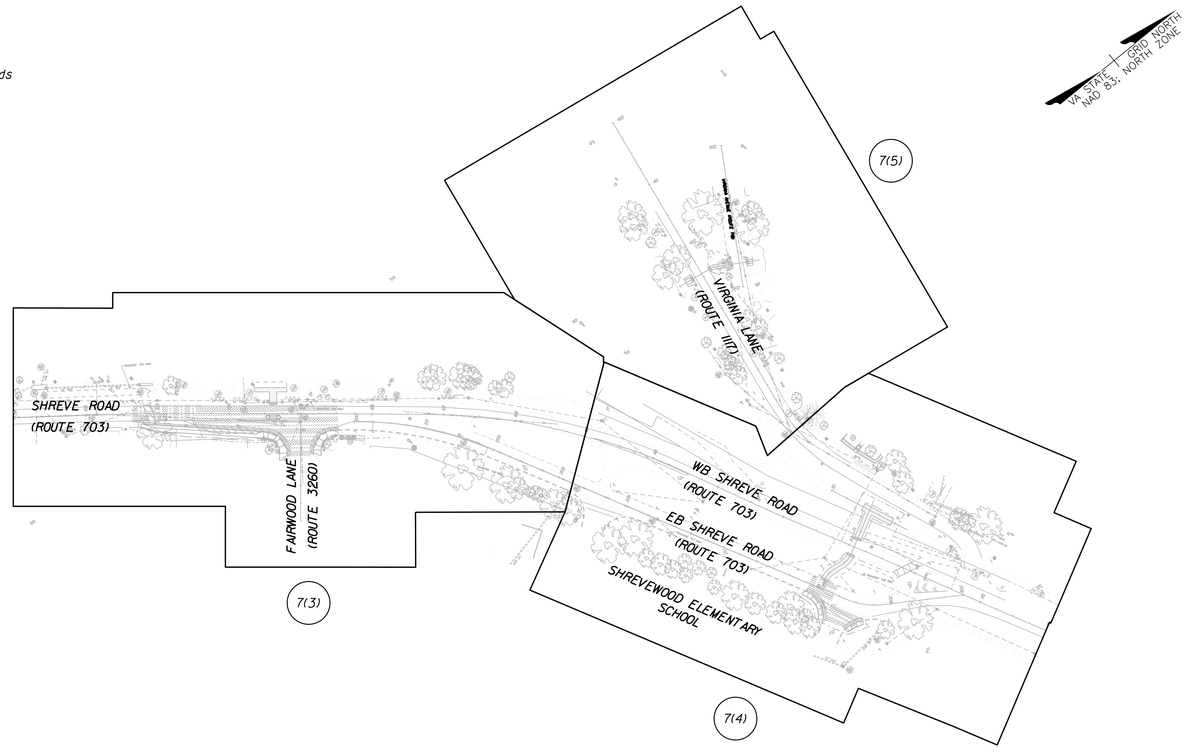
INDEX OF SHEETS

Sheet No.:	Sheet Description:
7(1)	Index of Sheets, General Notes & Legends
7(2)	Sign Schedule
7(3) - 7(5)	Signing and Marking Plans



STANDARD SIGN LEGEND

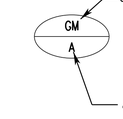
PLAN ITEM	PLAN SYMBOL: PROPOSED	PLAN SYMBOL: EXISTING
Single Post Sign Support		
Double Post Sign Support		
Triple Post Sign Support		
Flashing Beacon		
O/H Cantilever Sign Support		
O/H Span Sign Support		

SIGN CALL-OUTS

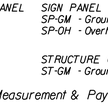
Existing Sign to Remain or to be Relocated — (95)
Existing Sign to be Removed — (95)
Proposed Sign Panel — (95)

SIGN LABELS

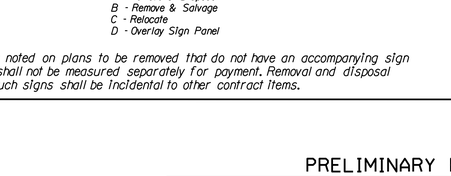
Proposed Sign Assemblies



Relocated Sign Assemblies



Sign Relocation or Payable Sign Disposal/Salvage



Signs noted on plans to be removed that do not have an accompanying sign label shall not be measured separately for payment. Removal and disposal for such signs shall be incidental to other contract items.

GENERAL NOTES - SIGNING & PAVEMENT MARKINGS

1. ALL PROPOSED SIGNING AND PAVEMENT MARKNGS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF EACH OF THE FOLLOWING MANUALS,OR THE MOST RECENT REVISION THERETO:
   A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
   B. THE VIRGINIA SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
   C. THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS.
   D. THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS.
2. EXISTING SIGNS WITHIN THE LIMITS OF THE CONTRACT WHICH HAVE NOT BEEN ACCOUNTED FOR IN THE PLAN SHALL BE RELOCATED OR REMOVED AS DIRECTED BY THE ENGINEER.
3. ALL COMPONENTS OF AN EXISTING SIGN INSTALLATION WHICH ARE REMOVED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR AT AN OFF-SITE LOCATION.
4. EXISTING SIGN PANELS SCHEDULED TO BE REUSED/RELOCATED MAY BE REPLACED WITH NEW SIGNS AT THE DISCRETION OF THE PROJECT ENGINEER.
5. PROPOSED SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO AVOID CONFLICT WITH UNDERGROUND UTILITIES OR OTHER CONSTRUCTION.AND TO COMPLY WITH THE STANDARDS REFERENCED IN NOTE 1.
6. CROSSWALKS SHALL BE TEN FEET WIDE UNLESS OTHERWISE NOTED.
7. ANY EXISTING PAVEMENT MARKINGS THAT WILL CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS SHALL BE COMPLETELY ERADICATED.

PRELIMINARY PLANS

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SCALE
0 100' 200'

EMERGENCY POLICE – FIRE – RESCUE 911

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SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
INDEX OF SHEET, GENERAL NOTES, SHEET LAYOUT & LEGEND

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=100'	DRAFTED: JDW	7(1)
	CHECKED: RBH	

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703) 877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703) 968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

SIGN SCHEDULE

TEXT NO.	SIGN ASSEMBLY NO(s).	TEXT	SIGN ASSEMBLY COMPONENTS: MUTCD ST'D.	PANEL SIZE: W	PANEL SIZE: H	QTY.	SIGN PANEL AREA (s.f.): per ASSEMBLY	SIGN PANEL AREA (s.f.): ALL ASSEMBLIES	PROP. SIGN STRUCTURE ST'D.	REMARKS
1	301, 305		R1-6	12"	36"	2	3	6	CONCRETE MEDIAN SURFACE MOUNT	SIGNS SHALL HAVE A FLUORESCENT YELLOW GREEN BACKGROUND. ROADWAY MOUNTING SHALL BE INCIDENTAL TO COST OF SIGN PANEL.
2	302, 304		R4-7	24"	30"	2	5	10	STP-1 2" 14 GA.	TYPE A FOUNDATION
3	303, 308, 502, 503		W16-7pL S1-1 S1-1 W16-7pR	24" 30" 30" 24"	12" 30" 30" 12"	4	16.5	66	STP-1 2" 14 GA.	SIGNS SHALL HAVE A FLUORESCENT YELLOW GREEN BACKGROUND.
4	306, 312, 313, 401, 402, 412, 501		S1-1 W16-9P	30" 24"	30" 12"	7	8.25	57.75	STP-1 2" 14 GA.	TYPE A FOUNDATION SIGNS SHALL HAVE A FLUORESCENT YELLOW GREEN BACKGROUND.
5	307		S5-1 MOD.	24"	48"	1	8	8	PEDESTAL POLE, PF-2 15'	
6	309		EXISTING EXISTING	24" 18"	8" 8"				STP-1 2" 14 GA.	TYPE A FOUNDATION
7	310		EXISTING EXISTING EXISTING EXISTING	24" 24" 24" 30"	9" 9" 9" 30"				STP-1 2" 14 GA.	TYPE A FOUNDATION
8	311		R8-3a M6-4	24" 21"	24" 15"	1	6J8	6J8	STP-1 2" 14 GA.	TYPE A FOUNDATION

TEXT NO.	SIGN ASSEMBLY NO(s).	TEXT	SIGN ASSEMBLY COMPONENTS: MUTCD ST'D.	PANEL SIZE: W	PANEL SIZE: H	QTY.	SIGN PANEL AREA (s.f.): per ASSEMBLY	SIGN PANEL AREA (s.f.): ALL ASSEMBLIES	PROP. SIGN STRUCTURE ST'D.	REMARKS
9	403		R1-1	18"	18"	1	1	2.25	STP-1 2" 14 GA.	TYPE A FOUNDATION MOUNTING HEIGHT SHALL BE IN ACCORDANCE WITH VDOT ST'D ISD-1(ST'D 1329.10)
10	404, 409		S1-1 W16-7pL	30" 24"	30" 12"	2	8.25	16.5	STP-1 2" 14 GA.	TYPE A FOUNDATION SIGNS SHALL HAVE A FLUORESCENT YELLOW GREEN BACKGROUND.
11	405, 407		S1-1 W16-7pR	30" 24"	30" 12"	2	8.25	16.5	STP-1 2" 14 GA.	TYPE A FOUNDATION SIGNS SHALL HAVE A FLUORESCENT YELLOW GREEN BACKGROUND.
12	406		R1-5(R)	30"	30"	1	6.25	6.25	STP-1 2" 14 GA.	TYPE A FOUNDATION SIGNS SHALL HAVE A FLUORESCENT YELLOW GREEN BACKGROUND.
13	408		R1-5(L)	30"	30"	1	6.25	6.25	STP-1 2" 14 GA.	TYPE A FOUNDATION SIGNS SHALL HAVE A FLUORESCENT YELLOW GREEN BACKGROUND.
14	410		W11-16 W11-15P W16-6pL	30" 24" 24"	30" 18" 18"	1	12.25	12.25	STP-1 2 ½" 10 GA.	TYPE A FOUNDATION SIGNS SHALL HAVE A FLUORESCENT YELLOW GREEN BACKGROUND.
15	411		R10-15	30"	30"	1	6.25	6.25	STP-1 2" 14 GA.	TYPE A FOUNDATION SIGNS SHALL HAVE A FLUORESCENT YELLOW GREEN BACKGROUND.
16	504		EXISTING EXISTING	24" 24"	8" 8"				STP-1 2" 14 GA.	TYPE A FOUNDATION

PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

NOTES:
1) ALL SIGNS SHALL BE ORIENTATED AS SHOWN ON THE PLANS.
2) SIGN COLOR COMBINATIONS SHALL BE IN ACCORDANCE WITH THE FHWA SHS BOOK AND THE 2011 VIRGINIA SHS BOOK OR AS NOTED IN THE PLANS.
3) ALL POSITIVE CONTRAST GUIDE AND SPECIFIC SERVICE SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-3 OR L-4 UNLESS OTHERWISE NOTED IN THE REMARKS. ALL OTHER SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-1 OR L-2 UNLESS OTHERWISE NOTED IN THE REMARKS.
4) ALL BLACK SHEETING SHALL BE NON-REFLECTIVE.
5) SIGN STRUCTURES SHALL BE INSTALLED PER THE NOTED SIGN ST'D.
6) ALL ST'D. STP-1 STRUCTURES TO BE SINGLE POST UNLESS OTHERWISE NOTED.

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

OFFICE OF CAPITAL FACILITIES
703-324-5800

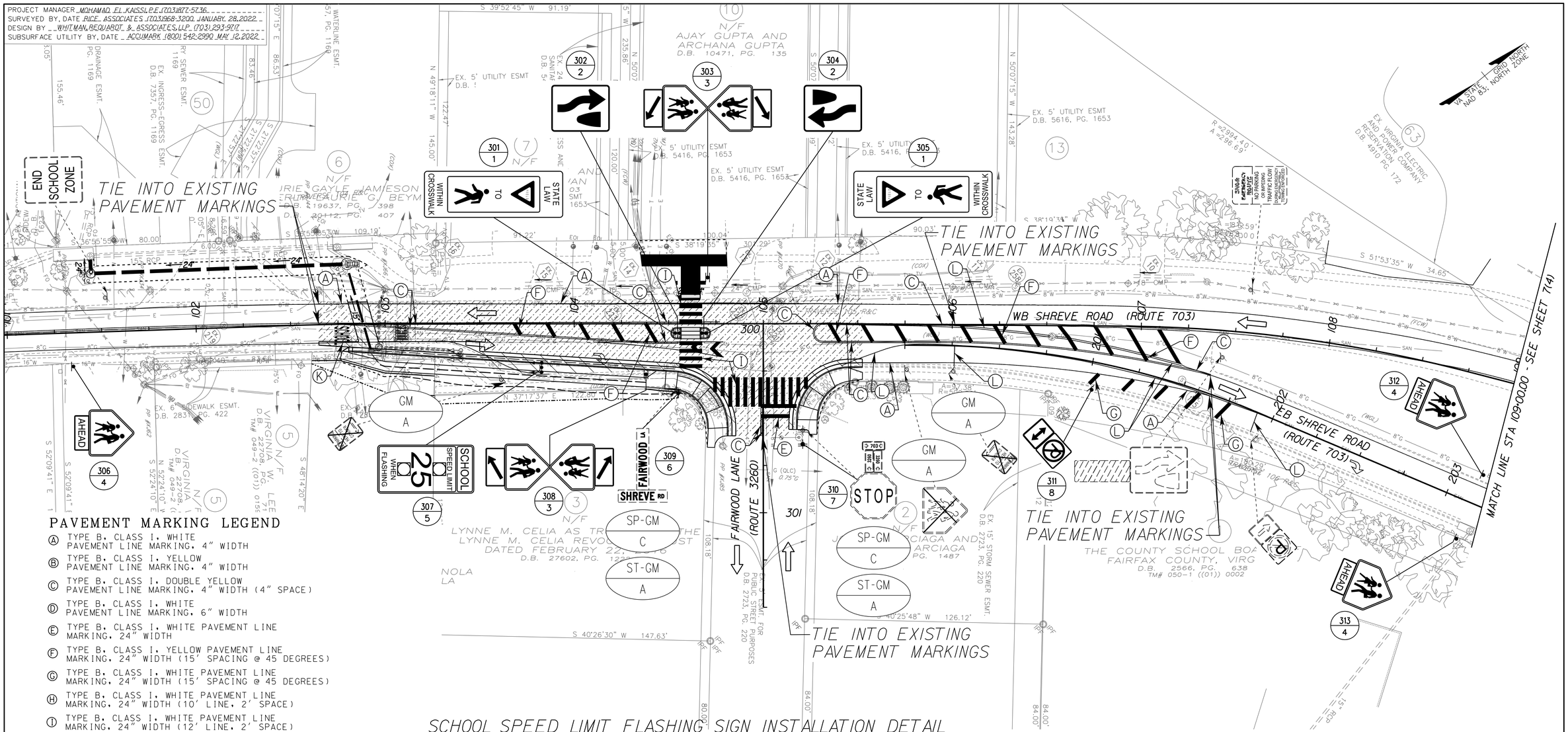
SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
SIGNING AND PAVEMENT MARKINGS
SIGN SCHEDULE

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL DRAFTED: JDW CHECKED: RBH	SHEET
NONE		7(2)

FUND # 500-C50000

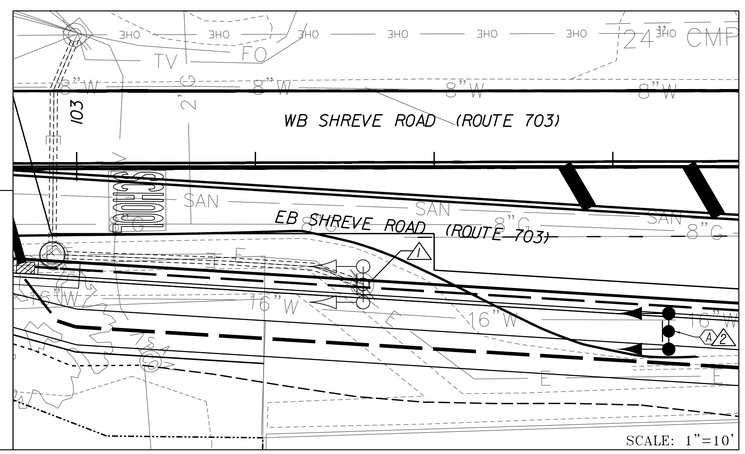
PROJECT MANAGER MOHAMAD EL KASSIS, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022



PAVEMENT MARKING LEGEND

- (A) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH
- (B) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH
- (C) TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH (4" SPACE)
- (D) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 6" WIDTH
- (E) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH
- (F) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 24" WIDTH (15' SPACING @ 45 DEGREES)
- (G) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH (15' SPACING @ 45 DEGREES)
- (H) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH (10' LINE, 2' SPACE)
- (I) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH (12' LINE, 2' SPACE)
- (J) TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 10' SPACE)
- (K) PAVEMENT MARKING MESSAGE "SCHOOL"
- (L) ERADICATE EXISTING PAVEMENT MARKING
- (M) TYPE B, CLASS I, WHITE PAVEMENT YIELD LINE MARKING (2' WIDTH, 3' HEIGHT)
- (N) TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 12" WIDTH
- (O) PAVEMENT MARKING MESSAGE "STOP" (24" LETTERS)

SCHOOL SPEED LIMIT FLASHING SIGN INSTALLATION DETAIL



SPEED LIMIT FLASHER NOTES

1. REMOVE EXISTING PEDESTAL POLE, "SPEED LIMIT 25" SIGN AND FLASHERS. REMOVE FOUNDATION 24" BELOW GRADE AND BACKFILL.
2. INSTALL 15' PEDESTAL POLE ON VDOT ST'D PF-2 FOUNDATION WITH "SPEED LIMIT 25" SIGN AND FLASHERS. FLASHER BEACON CABINET AND SOLAR PANEL.

Flasher Pedestal Pole Legend

(ALL DIMENSIONS ARE TO CENTER OF POLE)

(A) PEDESTAL POLE (PF-2)
23' RT. of Shreve Road Constr. @ Sta. 103+82

SCALE 0 25' 50'

PRELIMINARY PLANS

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EMERGENCY POLICE - FIRE - RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

REVISIONS				
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APPROVED BY THE TRANSPORTATION DESIGN DIVISION

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
SIGNING AND PAVEMENT MARKINGS
PLAN SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	7(3)
	CHECKED: RBH	

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
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SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

MATCH LINE STA 109+00.00 - SEE SHEET 7(3)

MATCH LINE STA 405+00.00 - SEE SHEET 7(5)

VIRGINIA LANE (ROUTE 1117)

WB SHREVE ROAD (ROUTE 703)

EB SHREVE ROAD (ROUTE 703)

SHREVE ROAD

EX. R/W

260'

END PROJECT STA.115+00.00

VA STATE PLANE GRID NORTH NAD 83, NORTH ZONE

SHREVEWOOD ELEMENTARY SCHOOL

PAVEMENT MARKING LEGEND

Ⓐ TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH

Ⓑ TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH

Ⓒ TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH (4" SPACE)

Ⓓ TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 6" WIDTH

Ⓔ TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH

Ⓕ TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 24" WIDTH (15' SPACING @ 45 DEGREES)

Ⓖ TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH (15' SPACING @ 45 DEGREES)

Ⓗ TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH (10' LINE, 2' SPACE)

Ⓘ TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH (12' LINE, 2' SPACE)

Ⓙ TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 10' SPACE)

Ⓚ PAVEMENT MARKING MESSAGE "SCHOOL"

Ⓛ ERADICATE EXISTING PAVEMENT MARKING

Ⓜ TYPE B, CLASS I, WHITE PAVEMENT YIELD LINE MARKING (1.5' WIDTH, 2' HEIGHT)

Ⓝ TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 12" WIDTH

Ⓞ PAVEMENT MARKING MESSAGE "STOP" (24" LETTERS)

SCALE 0 25' 50'

PRELIMINARY PLANS

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EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
SIGNING AND PAVEMENT MARKINGS
PLAN SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	7(4)
	CHECKED: RBH	

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
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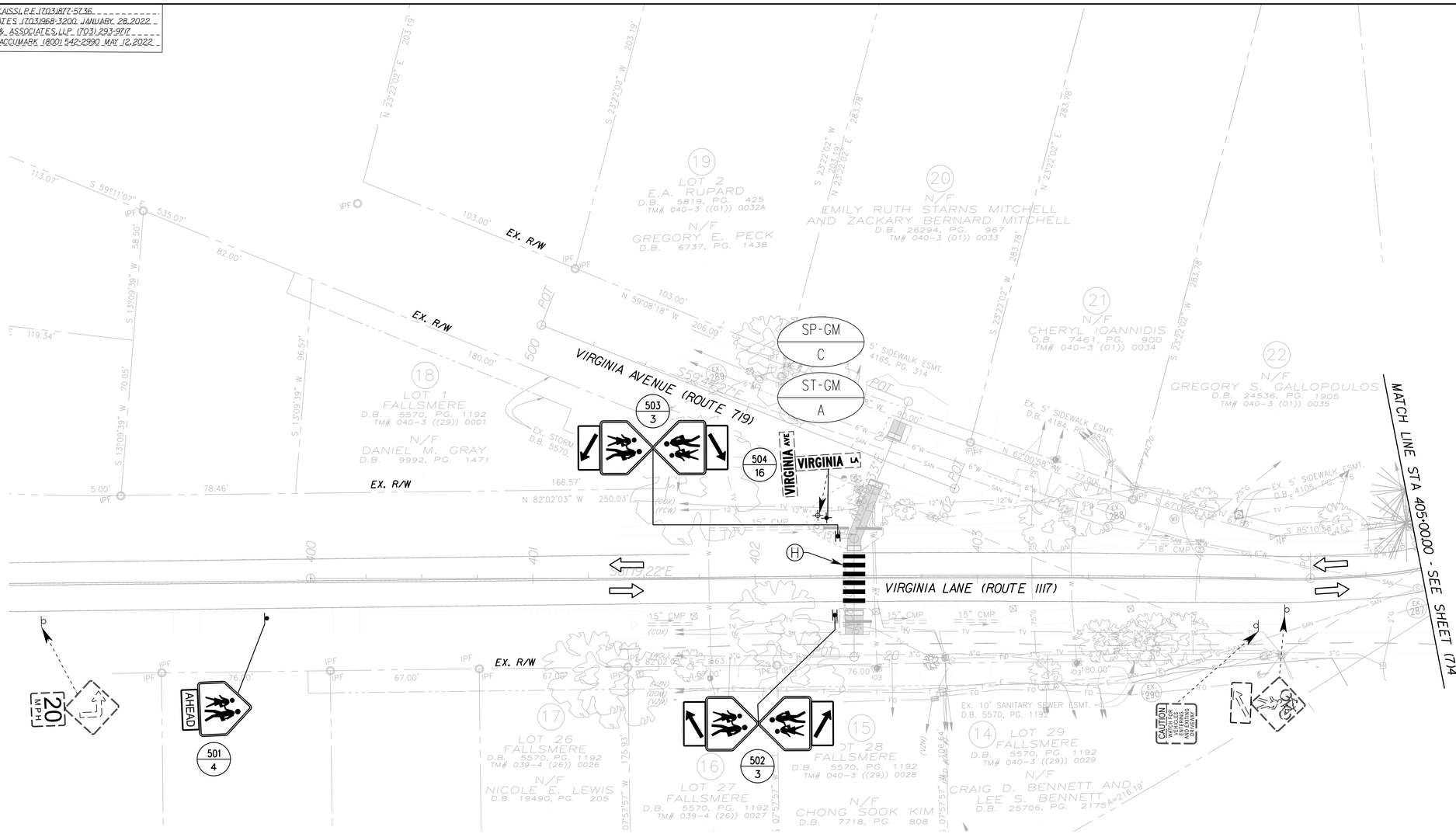

PAVEMENT MARKING LEGEND

- Ⓐ TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH
- Ⓑ TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH
- Ⓒ TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH (4" SPACE)
- Ⓓ TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 6" WIDTH
- Ⓔ TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 24" WIDTH
- Ⓕ TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 24" WIDTH (15' SPACING @ 45 DEGREES)
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- Ⓜ TYPE B, CLASS I, WHITE PAVEMENT YIELD LINE MARKING (1.5' WIDTH, 2' HEIGHT)
- Ⓝ TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 12" WIDTH

SCALE
0 25' 50'

PRELIMINARY PLANS

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EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

REVISIONS

△#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE TRANSPORTATION DESIGN DIVISION

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
SIGNING AND PAVEMENT MARKINGS
PLAN SHEET

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

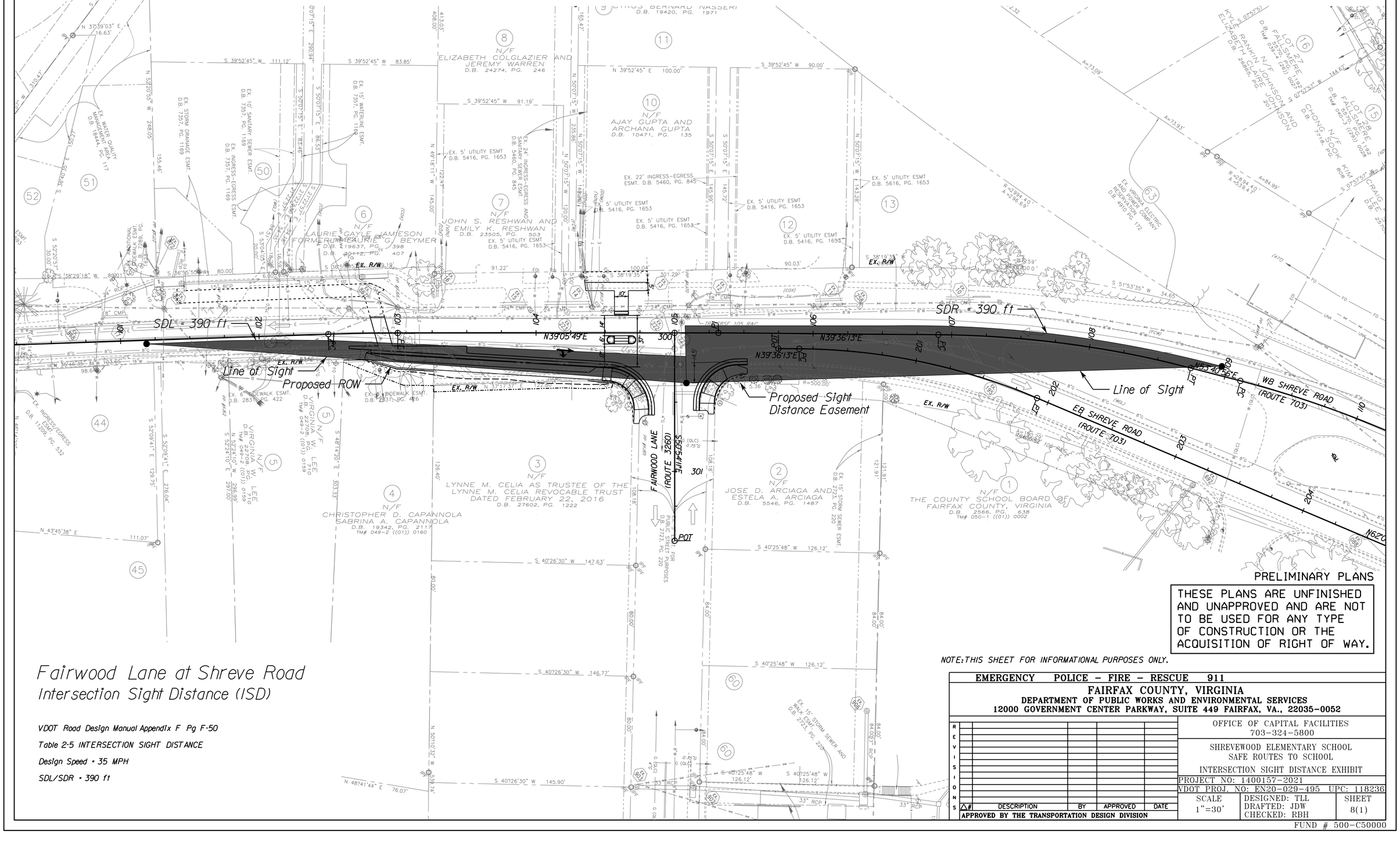
SCALE	DESIGNED: TLL	SHEET
1"=25'	DRAFTED: JDW	7(5)
	CHECKED: RBH	

FUND # 500-C50000

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703)968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

INTERSECTION SIGHT DISTANCE EXHIBIT
FAIRWOOD LANE

VA STATE GRID NORTH
NAD 83, NORTH ZONE


SDL = 390 ft
SDR = 390 ft
Line of Sight
Proposed ROW
Proposed Sight Distance Easement
Line of Sight
FAIRWOOD LANE (ROUTE 3260)
WB SHREVE ROAD (ROUTE 703)
EB SHREVE ROAD (ROUTE 703)
POT
PROPOSED 105 R&C
N 39°05'49" E
N 39°36'13" E
N 39°36'13" E
N 53°40'56" E
N 39°05'49" E
N 43°37'31" E 565.52' (COMP.)
N 37°39'03" E 16.63'
S 39°52'45" W 111.12'
S 39°52'45" W 83.85'
S 39°52'45" W 91.19'
N 39°52'45" E 100.00'
S 39°52'45" W 90.00'
S 38°19'55" W 80.01'
S 56°56'55" W 80.00
S 38°19'55" W 100.04'
S 38°19'55" W 301.29'
S 38°19'55" W 90.03'
S 51°53'35" W 34.65
S 40°26'30" W 147.63'
S 40°26'30" W 146.77'
S 40°26'30" W 145.90'
S 40°25'48" W 126.12'
S 40°25'48" W 126.12'
S 40°25'48" W 126.12'
N 43°45'38" E 111.07'
N 48°41'44" E 76.07'
N 50°10'32" W 534.74'
N 62°0
ELIZABETH COLGLAZIER AND JEREMY WARREN D.B. 24274, PG. 246
JOHN S. RESHWAN AND EMILY K. RESHWAN D.B. 23505, PG. 503
LAURIE GAYLE JAMESON (FORMERLY KNOWN AS) G. BEYMER D.B. 19637, PG. 398 D.B. 20112, PG. 407
AJAY GUPTA AND ARCHANA GUPTA D.B. 10471, PG. 135
CYRUS BERNARD NASSERI D.B. 19420, PG. 1971
LYNNE M. CELIA AS TRUSTEE OF THE LYNNE M. CELIA REVOCABLE TRUST DATED FEBRUARY 22, 2016 D.B. 27602, PG. 1222
CHRISTOPHER D. CAPANNOLA SABRINA A. CAPANNOLA D.B. 19342, PG. 217 TM# 049-2 ((01)) 0160
JOSE D. ARCIAGA AND ESTELA A. ARCIAGA D.B. 5546, PG. 1487
THE COUNTY SCHOOL BOARD OF FAIRFAX COUNTY, VIRGINIA D.B. 2566, PG. 638 TM# 050-1 ((01)) 0002
KYLE RANKIN JOHNSON AND ELIZABETH CLAIRE JOHNSON D.B. 26865, PG.
CHONG SOOK KIM D.B. 6008, PG.
CRAIG D. D.B. 25
EX. 5' UTILITY ESMT D.B. 5416, PG. 1653
EX. 22' INGRESS-EGRESS ESMT. D.B. 5460, PG. 845
EX. 24' INGRESS-EGRESS AND SANITARY SEWER ESMT. D.B. 5460, PG. 845
EX. 15' WATERLINE ESMT. D.B. 7357, PG. 1160
EX. STORM DRAINAGE ESMT. D.B. 7357, PG. 1169
EX. 10' SANITARY SEWER ESMT. D.B. 7357, PG. 1169
EX. INGRESS-EGRESS ESMT. D.B. 7357, PG. 1169
EX. WATER QUALITY MANAGEMENT BMP D.B. 18444, PG. 117
EX. ADDITIONAL SIDEWALK ESMT. D.B. 19637, PG. 398
EX. SIDEWALK ESMT. D.B. 2831, PG. 426
EX. SIDEWALK ESMT. D.B. 2831, PG. 422
EX. INGRESS/EGRESS ESMT. D.B. 11208, PG. 532
EX. 15' STORM SEWER ESMT. D.B. 2723, PG. 220
EX. 15' STORM SEWER AND WALK ESMT. D.B. 2723, PG. 220
EX. VIRGINIA ELECTRIC AND POWER COMPANY RESERVATION D.B. 491, PG. 172
PUBLIC SCHOOL SITE FOR PURPOSES D.B. 2723, PG. 220
EX. R/W
EX. R/W
EX. R/W
EX. R/W
R=2994.40'
A=236.69'
R=2994.40'
A=239.47'
A=73.09'
A=73.93'
A=84.98'
R=500.00'
5.36'
(OLC)
(COX)
(ATT)
(FCW)
(TW)
(TV)
(UNK)
(GAS)
(W)
(S)
(G)
(FO)
(ED)
(OHW)
(OHP)
(CATV)
(TEL)
(ELEC)
(SAN)
(STM)
(CMP)
(RCP)
(IPF)
(IPT)
(PK NAIL)
(PP #1452)
(PP #1455)
(PP #1456)
(PP #1457)
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(PP #1459)
(PP #1460)
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(PP #1471)
(PP #1472)
(PP #1473)
(PP #1474)
(PP

PROJECT MANAGER MOHAMAD EL KAISSI, P.E. (703)877-5736
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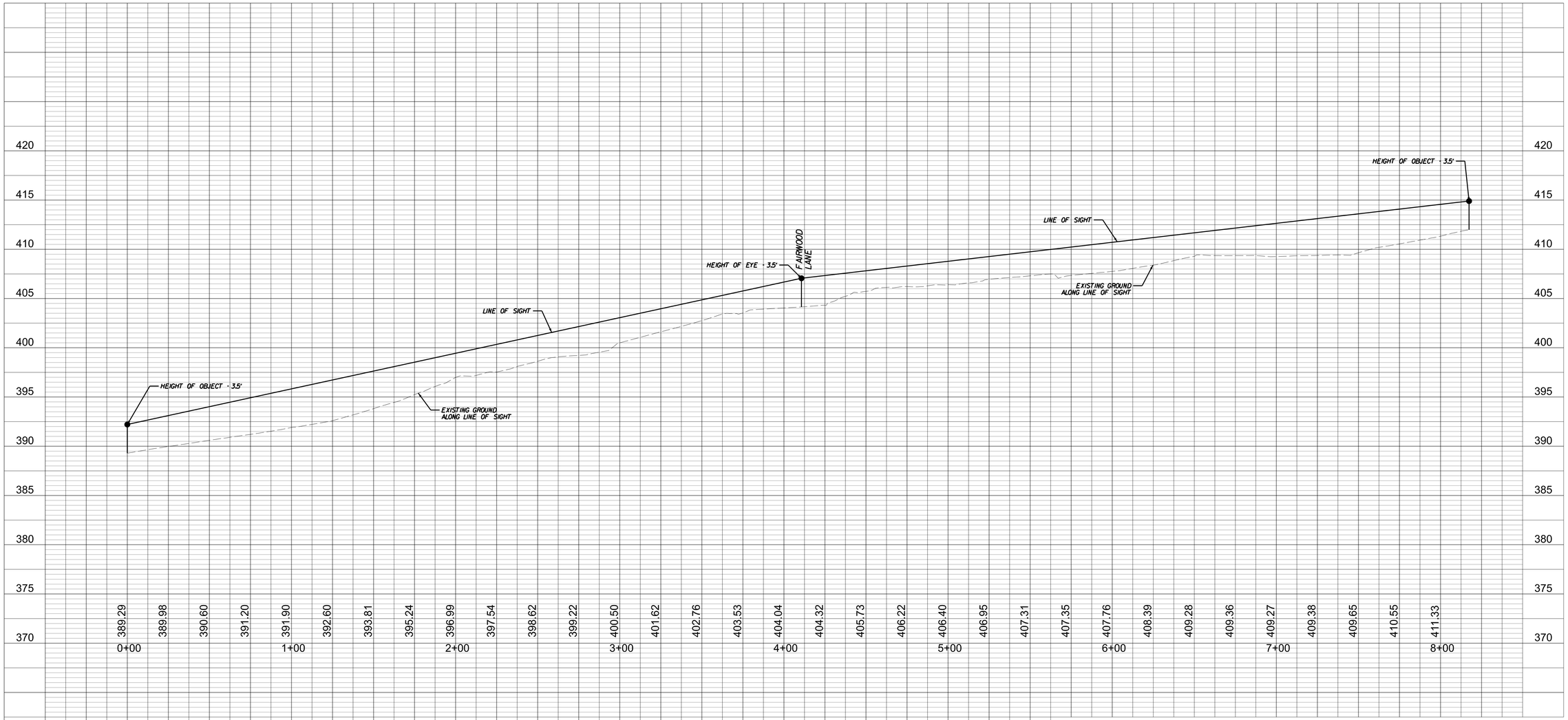
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12,2022

INTERSECTION SIGHT DISTANCE
VERTICAL PROFILE - FAIRWOOD LANE
(SEE SHEET 8(1))



PRELIMINARY PLANS

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NOTE:THIS SHEET FOR INFORMATIONAL PURPOSES ONLY.

HOR SCALE:1" = 30'
VERT SCALE:1" = 5'
5'
0'
0'
30'

EMERGENCY POLICE - FIRE - RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
I.S.D. - VERTICAL PROFILE

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE
	APPROVED BY THE TRANSPORTATION DESIGN DIVISION			

SCALE 1"=30'
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 8(1A)

FUND # 500-C50000

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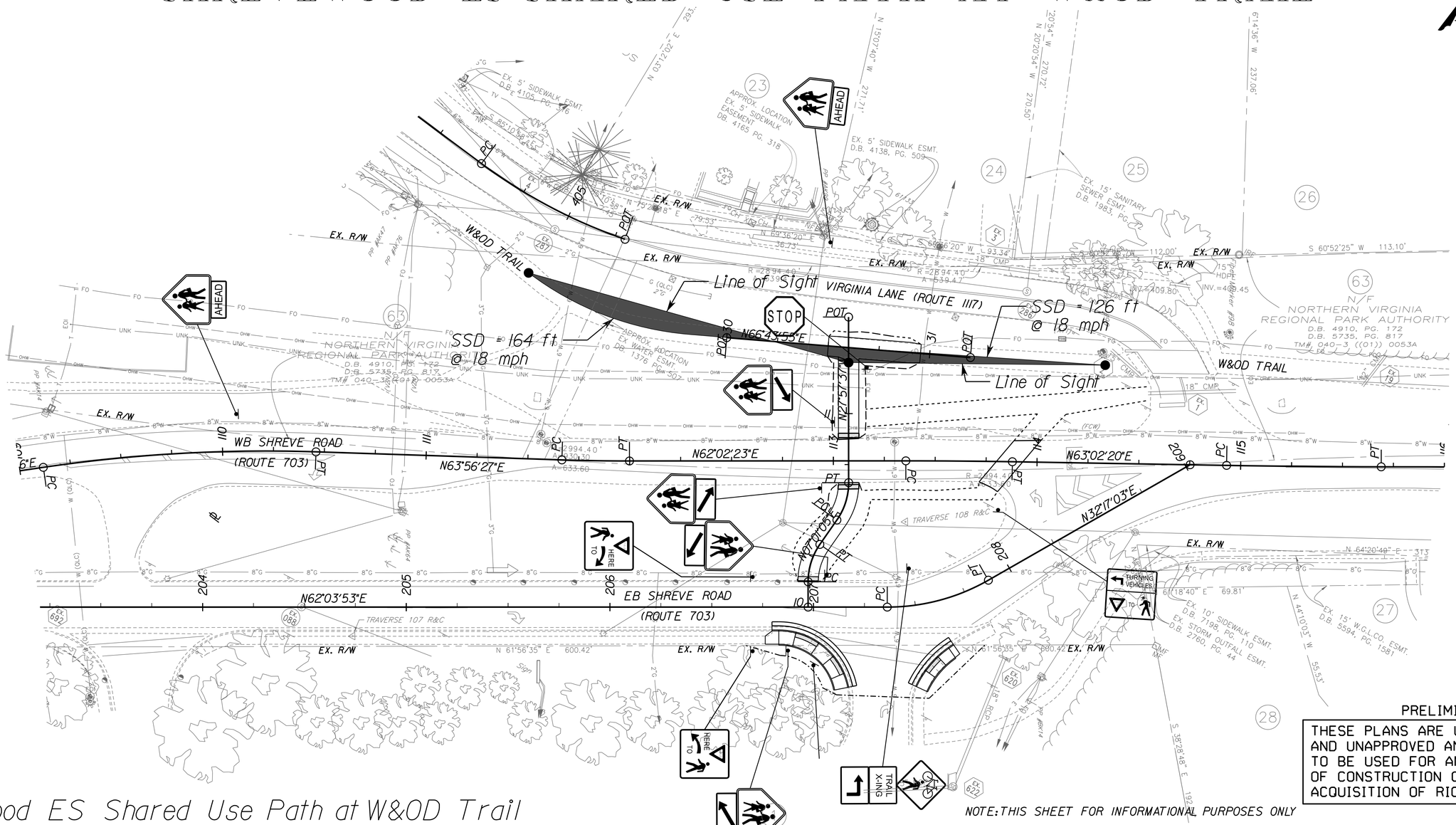
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2990 MAY 12, 2022

STOPPING SIGHT DISTANCE EXHIBIT
SHREVEWOOD ES SHARED USE PATH AT W&OD TRAIL

VA STATE GRID NORTH
NAD 83, NORTH ZONE



PRELIMINARY PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

NOTE: THIS SHEET FOR INFORMATIONAL PURPOSES ONLY

Shrevewood ES Shared Use Path at W&OD Trail
Stopping Sight Distance (SSD)

VDOT Road Design Manual Appendix A(1) Pg A(1)-32-A(1)33

Tables A(1)-4 and A(1)- Miniumum Stopping Sight Distance

Design Speed = 18 mph

Minimum SSD = 164 ft (Descending @ 5%)

Minimum SSD = 126 ft (Ascending @ 2%)

EMERGENCY POLICE – FIRE – RESCUE 911

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL SERVICES
12000 GOVERNMENT CENTER PARKWAY, SUITE 449 FAIRFAX, VA., 22035-0052

OFFICE OF CAPITAL FACILITIES
703-324-5800

SHREVEWOOD ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
STOPPING SIGHT DISTANCE EXHIBIT

PROJECT NO: 1400157-2021
VDOT PROJ. NO: EN20-029-495 UPC: 118236

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE
	APPROVED BY THE TRANSPORTATION DESIGN DIVISION			

SCALE 1"=25'
DESIGNED: TLL
DRAFTED: JDW
CHECKED: RBH
SHEET 8(2)

FUND # 500-C50000

1/9/2023
3:47:26 PM

PROJECT MANAGER MOHAMAD EL KHISSI, P.E. (703) 877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703) 968-3200 JANUARY 28, 2022
DESIGN BY WHITMAN, REQUARDT & ASSOCIATES, LLP (703) 293-9717
SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2900 MAY 12, 2022

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CROSS SECTIONS

SCALE 1 IN. = 10 FT

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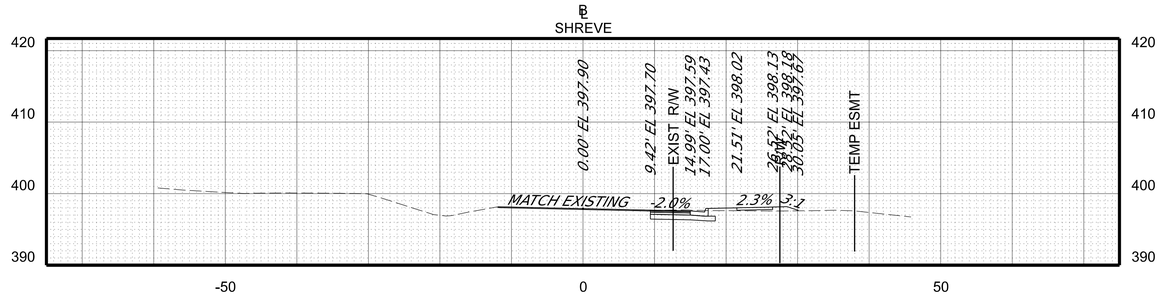
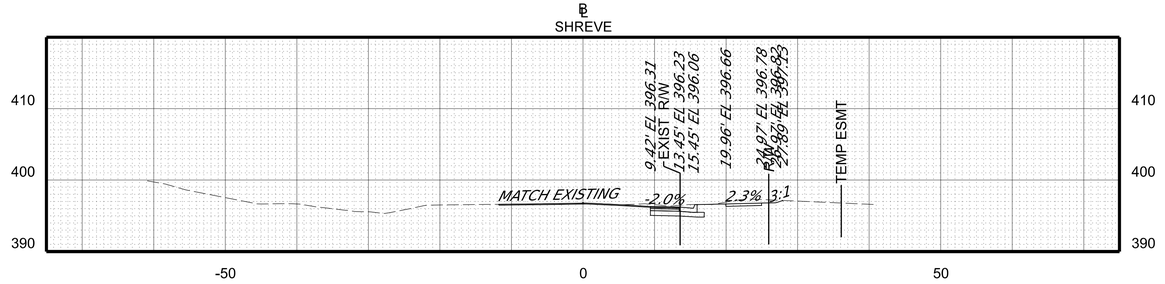
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	703	EN20-029-495	X-1



STA 103+25.00



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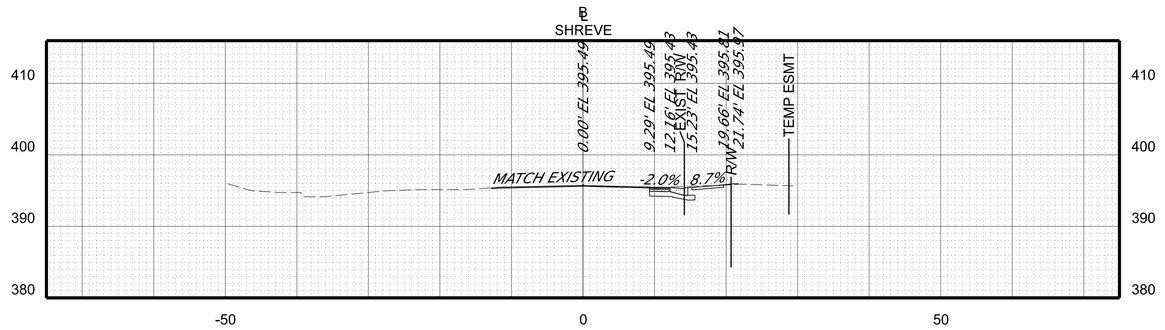

STA 102+81.00

SHREVE ROAD (RTE 703)
CONSTRUCTION BASELINE

PROJECT	SHEET NO.
EN20-029-495	X-1

1/9/2023
3:47:29 PM

PROJECT MANAGER MOHAMAD EL KHISSI, P.E. (703) 877-5736
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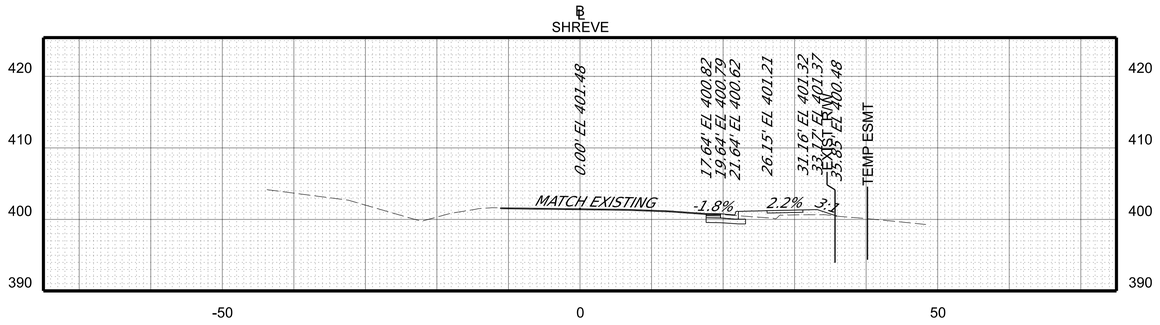
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	703	EN20-029-495	X-2



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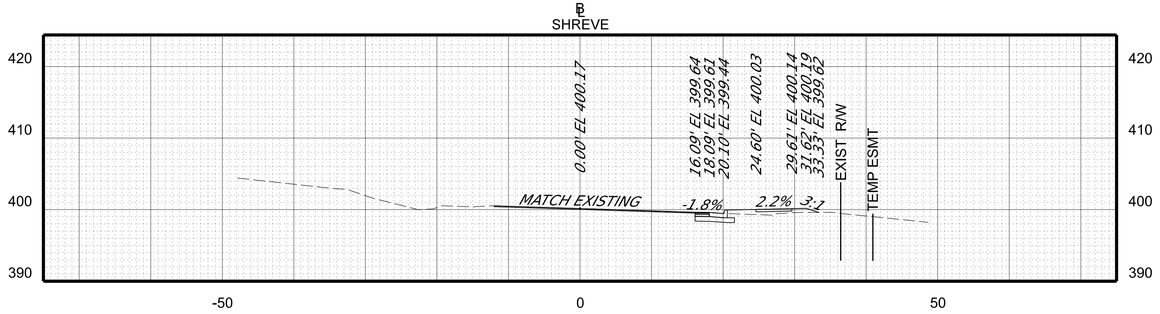

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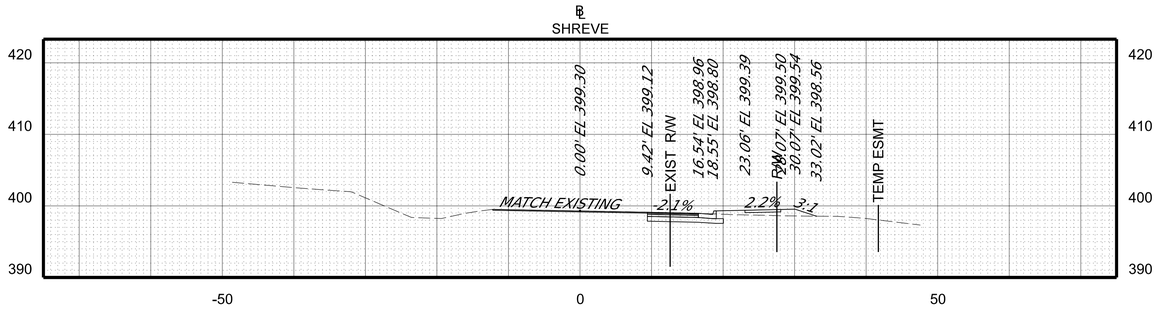

STA 103+50.00

SHREVE ROAD (RTE. 703)
CONSTRUCTION BASELINE

PROJECT	SHEET NO.
EN20-029-495	X-2

1/9/2023
3:47:31 PM

PROJECT MANAGER MOHAMAD EL KHSSI,P.E.(703) 877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703) 968-3200 JANUARY 28,2022
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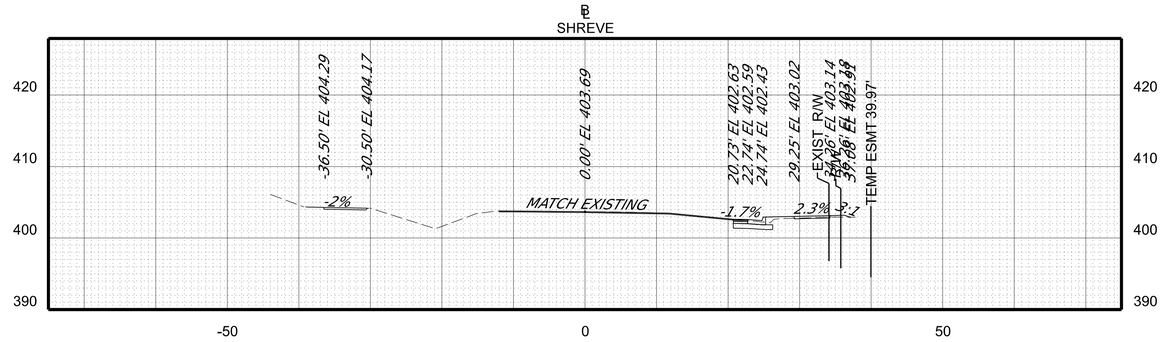
REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	703	EN20-029-495	X-3



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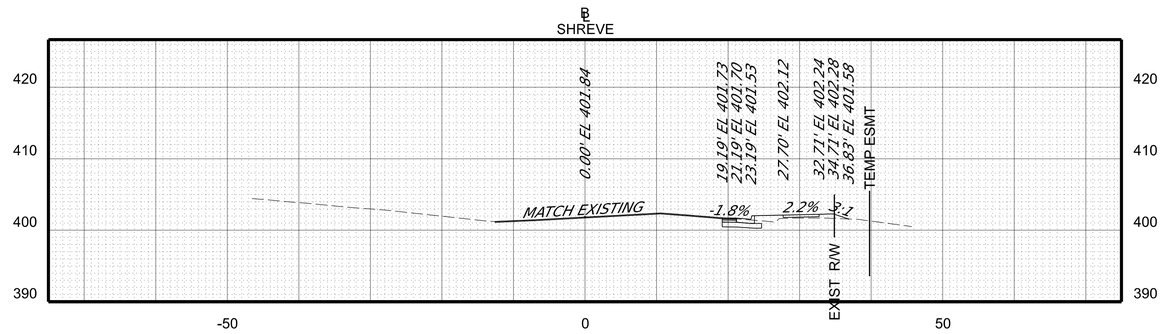

STA 104+25.00

SHREVE ROAD (RTE 703)
CONSTRUCTION BASELINE

PROJECT	SHEET NO.
EN20-029-495	X-3

1/9/2023
3:47:32 PM

PROJECT MANAGER MOHAMAD EL KHSSI,P.E.(703) 877-5736
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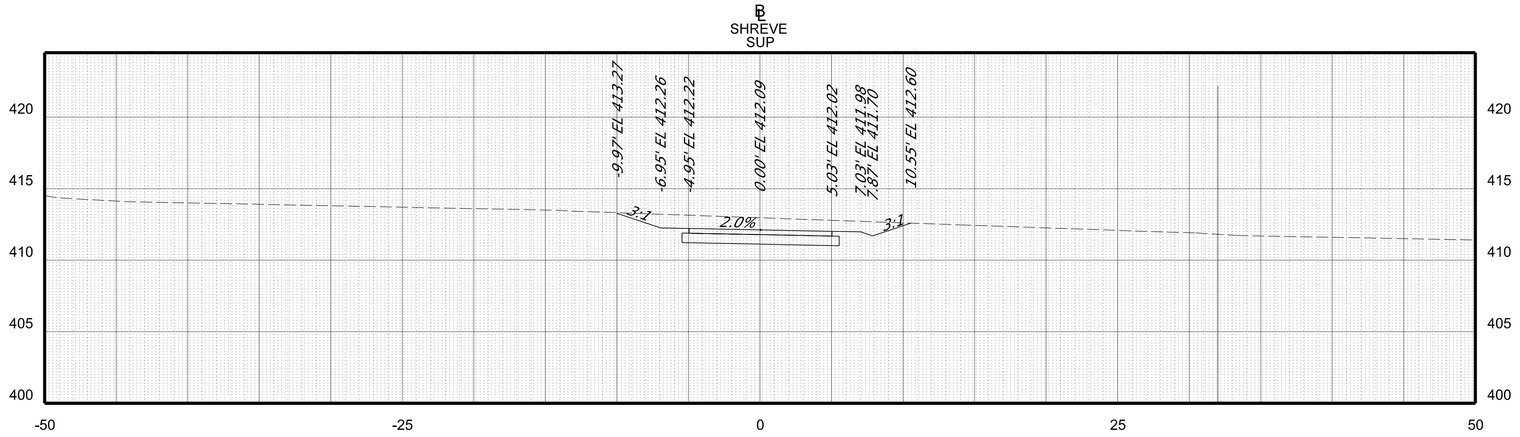
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	703	EN20-029-495	X-4



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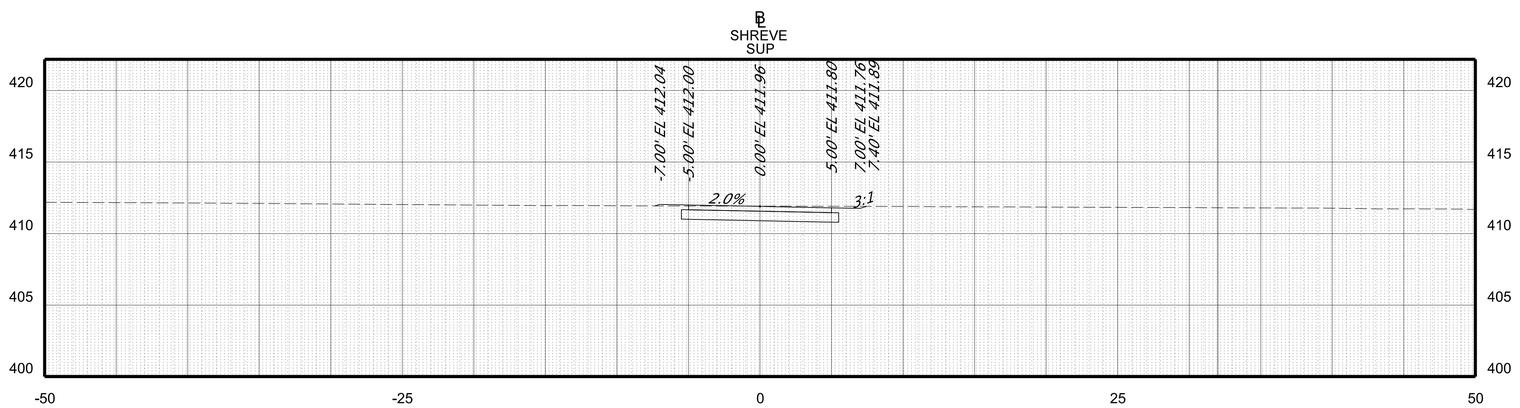

STA 10+12.50

SHREVEWOOD ES
SHARED USE PATH
CONSTRUCTION BASELINE

PROJECT	SHEET NO.
EN20-029-495	X-4

1/9/2023
3:47:34 PM

PROJECT MANAGER MOHAMAD EL KHISSI, P.E. (703) 877-5736
SURVEYED BY, DATE RICE ASSOCIATES (703) 968-3200 JANUARY 28, 2022
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SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2900 MAY 12, 2022

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CROSS SECTIONS

SCALE 1 IN. = 10 FT

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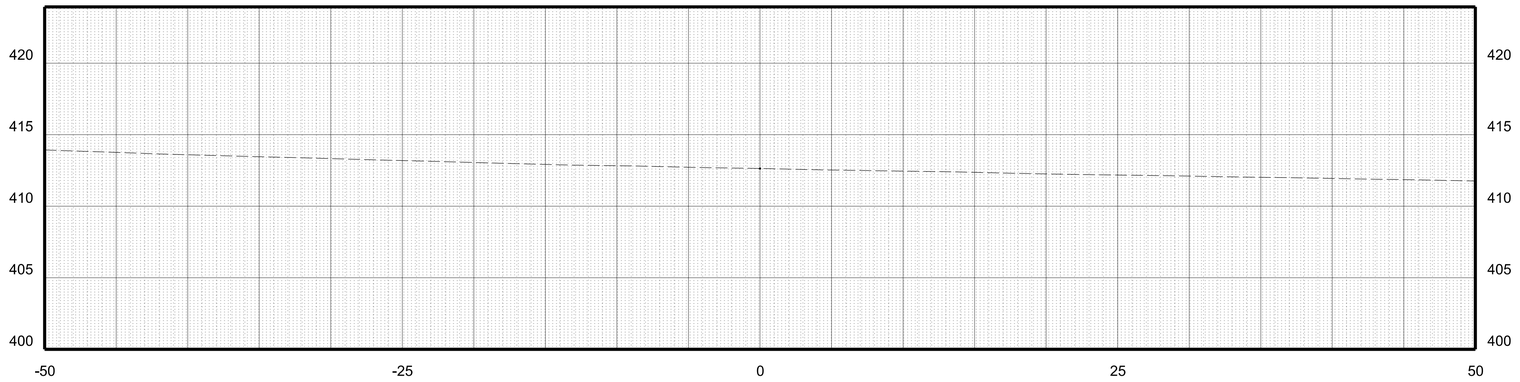
REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	703	EN20-029-495	X-5



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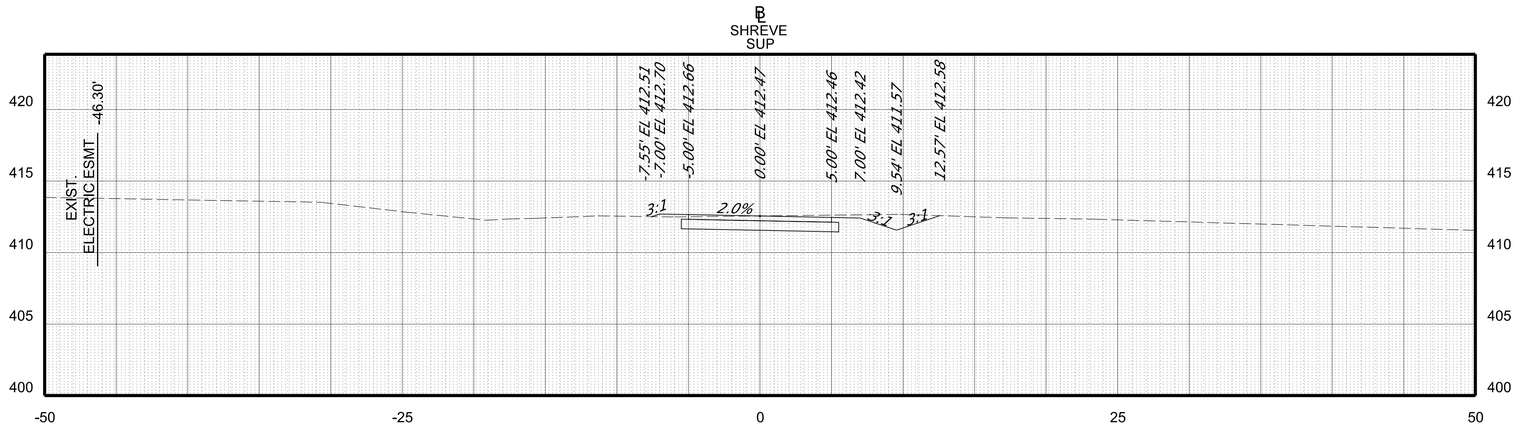

STA 10+50.00

SHREVEWOOD ES
SHARED USE PATH
CONSTRUCTION BASELINE

PROJECT	SHEET NO.
EN20-029-495	X-5

1/9/2023
3:47:35 PM

PROJECT MANAGER MOHAMAD EL KHSSI,P.E.(703) 877-5736
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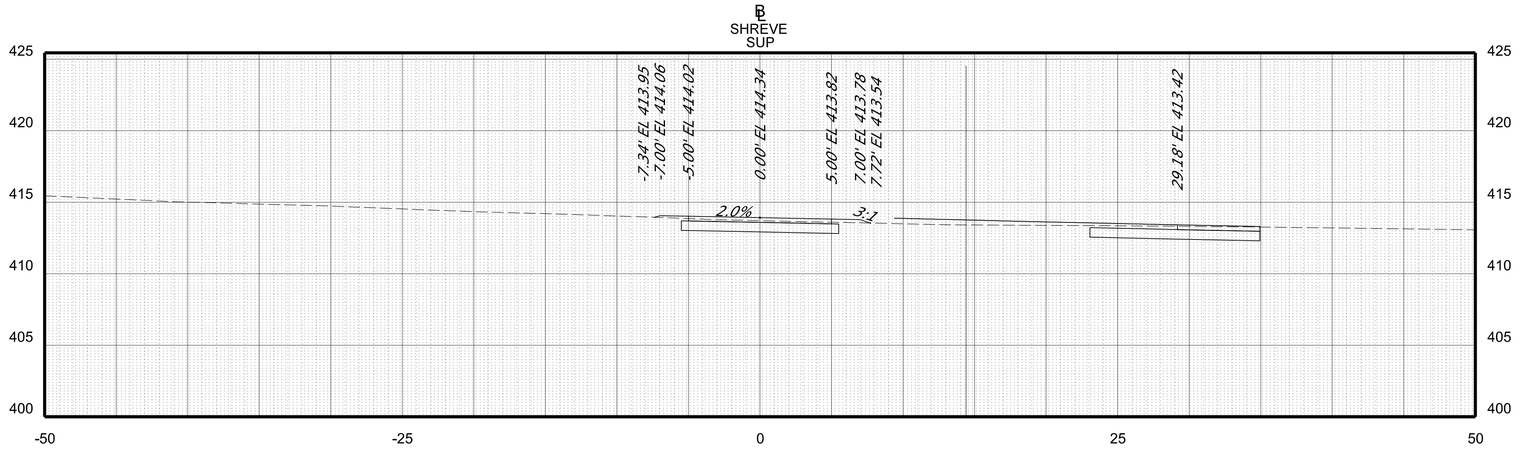
REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	703	EN20-029-495	X-6



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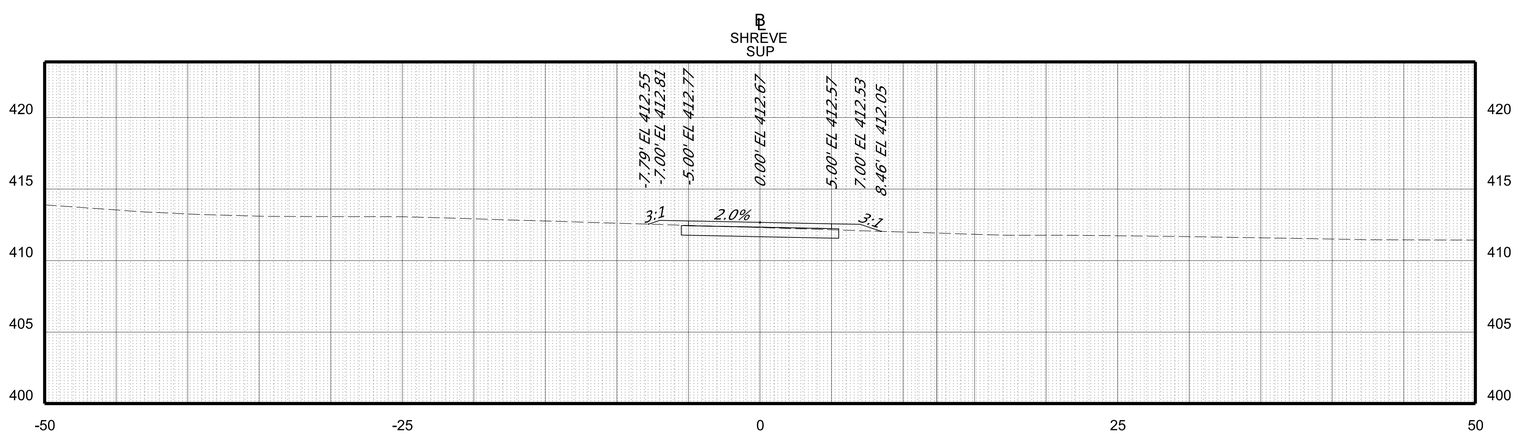

STA 11+00.00

SHREVEWOOD ES
SHARED USE PATH
CONSTRUCTION BASELINE

PROJECT	SHEET NO.
EN20-029-495	X-6

1/9/2023
3:47:37 PM

PROJECT MANAGER MOHAMAD EL KHISSI, P.E. (703) 877-5736
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CROSS SECTIONS

SCALE 1 IN. = 10 FT

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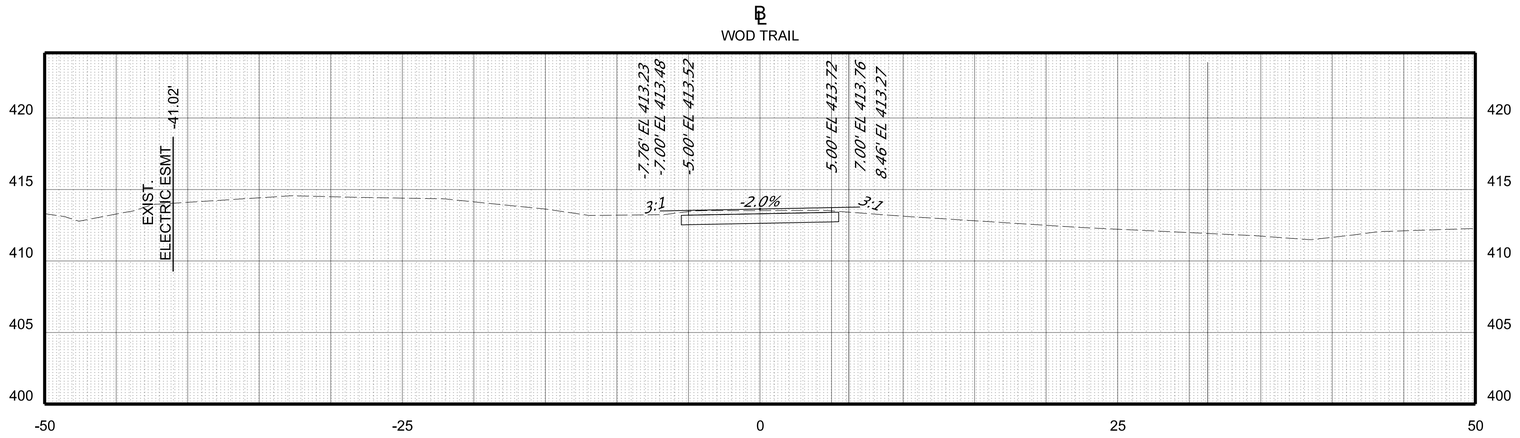
REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	703	EN20-029-495	X-7



STA 30+75.00

W&OD TRAIL
SHARED USE PATH
CONSTRUCTION BASELINE

PROJECT	SHEET NO.
EN20-029-495	X-7

1/9/2023
3:47:38 PM

PROJECT MANAGER MOHAMAD EL KHSSI,P.E.(703) 877-5736
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SUBSURFACE UTILITY BY, DATE ACCUMARK (800) 542-2900 MAY 12,2022

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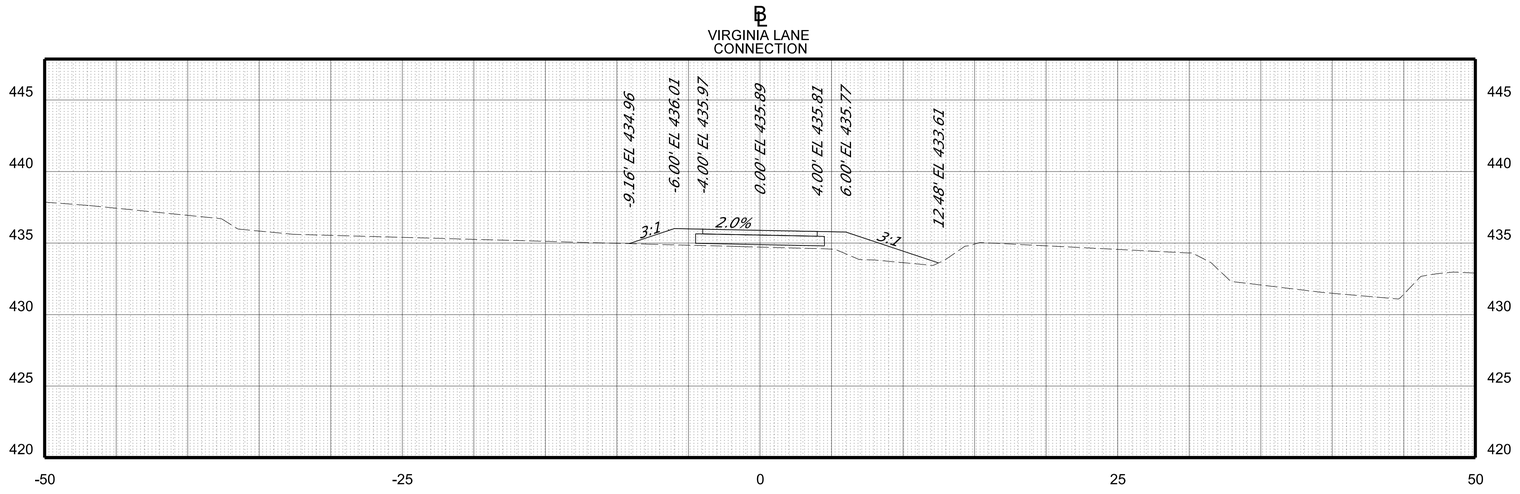
REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	703	EN20-029-495	X-8



STA 20+16.00

W&OD TRAIL CONNECTION
CONSTRUCTION BASELINE

PROJECT	SHEET NO.
EN20-029-495	X-8

1/9/2023
3:47:37 PM

PROJECT MANAGER MOHAMAD EL KHISSI, P.E. (703) 877-5736
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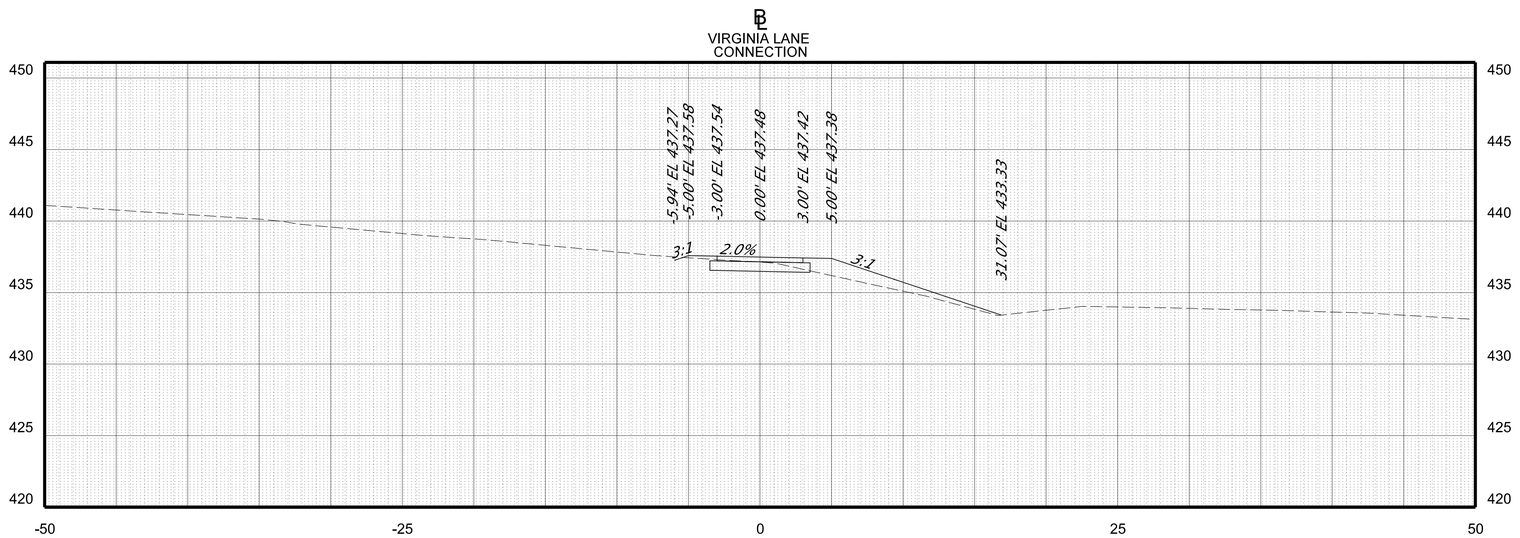
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	703	EN20-029-495	X-9



STA 20+65.00

VIRGINIA LANE CONNECTION
CONSTRUCTION BASELINE

PROJECT	SHEET NO.
EN20-029-495	X-9

1/9/2023
3:47:36 PM

PROJECT MANAGER MOHAMAD EL KHISSI, P.E. (703) 877-5736
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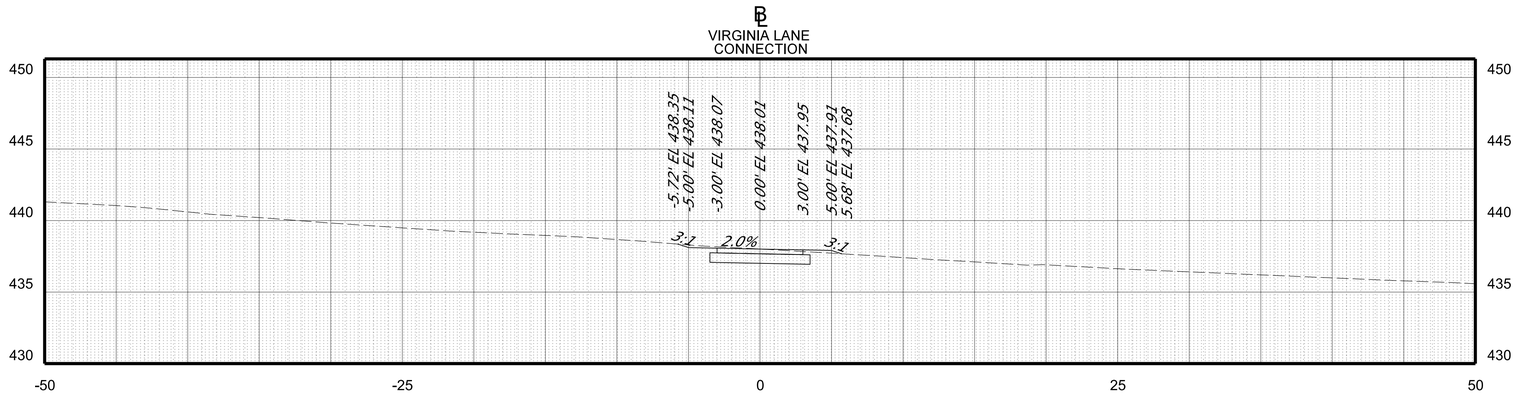
		ROUTE	PROJECT	
	VA.	703	EN20-029-495	X-10



STA 21+05.00

VIRGINIA LANE CONNECTION
CONSTRUCTION BASELINE

PROJECT	SHEET NO.
EN20-029-495	X-10