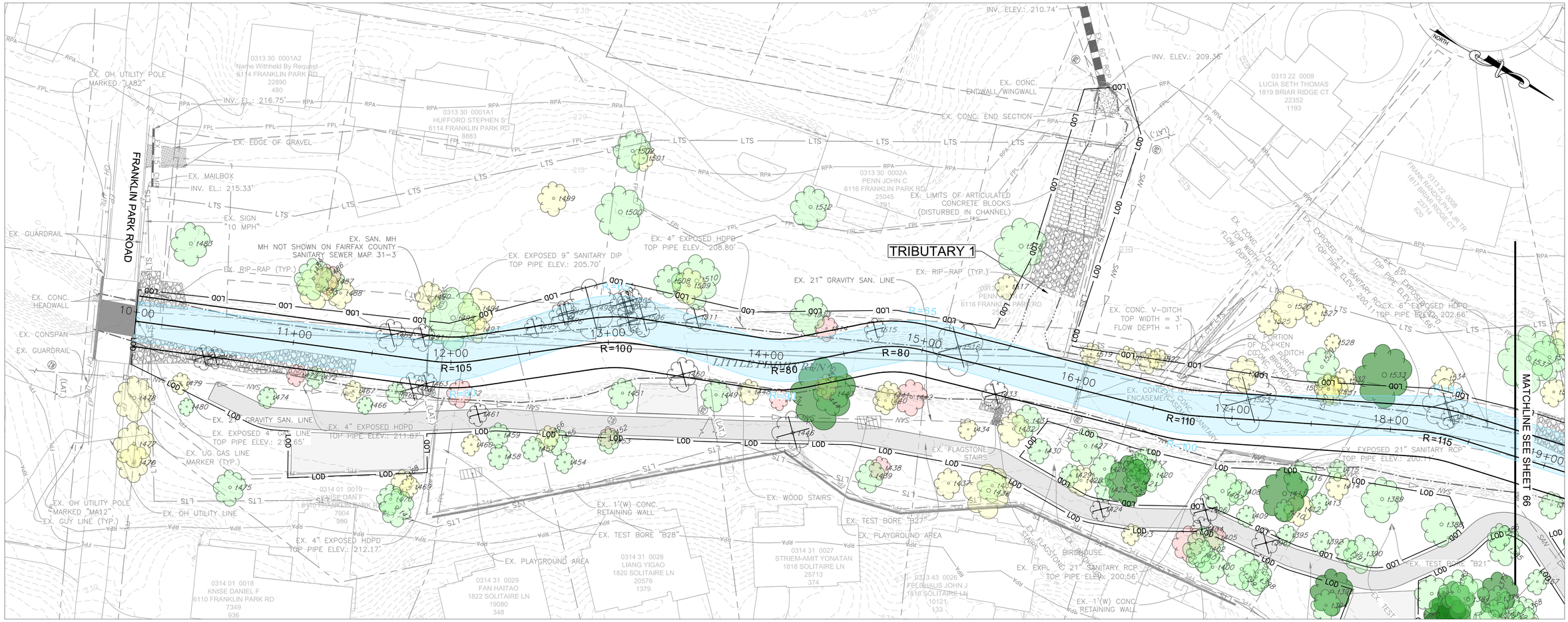
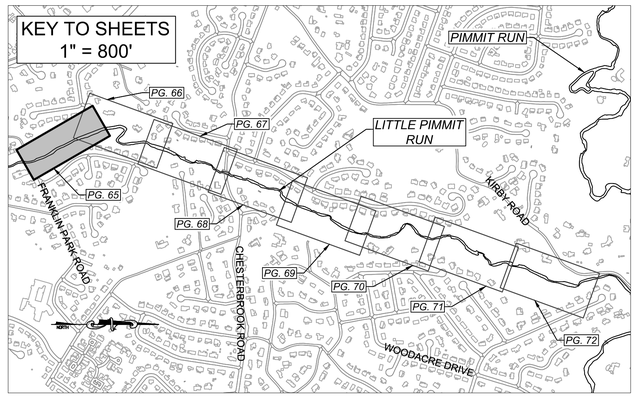


ALIGNMENT LEGEND

- 38+00 — CONCEPT 1 ALIGNMENT
- CONCEPT 2 ALIGNMENT
- CONCEPT 3 ALIGNMENT
- LOD — LIMITS OF DISTURBANCE
- SURVEYED TREE (≥ 12" D.B.H.) - HEALTH RATING 1
- SURVEYED TREE (≥ 12" D.B.H.) - HEALTH RATING 2
- SURVEYED TREE (≥ 12" D.B.H.) - HEALTH RATING 3
- SURVEYED TREE (≥ 12" D.B.H.) - HEALTH RATING 4
- TREES TO BE REMOVED
- TEMPORARY ACCESS PATH
- STAGING & STOCKPILE



PROPOSED CHANNEL PROPERTIES			
Little Pimmit	Dimension Slope	Reach 1 0.01	Reach 2 0.01
Concept 1	$Q_{MD\ Urban}$	315	400
	A_{BKF}	58.2	68
	W_{BKF}	32	34
	D_{MAX}	2.7	3
	W/D	17.6	16.9
	Sinuosity	1.04	1.05
Concept 2	$Q_{MD\ Urban}$	315	400
	A_{BKF}	38.27	45
	W_{BKF}	25	28
	D_{MAX}	2.3	2.4
	W/D	16.3	17.4
	Sinuosity	1.08	1.08
Concept 3	$Q_{MD\ Urban}$		400
	A_{BKF}		68
	W_{BKF}		34
	D_{MAX}		3
	W/D		16.9
	Sinuosity		1.05

LOD IS AN ESTIMATION BASED ON POTENTIAL ACCESS AND CHANNEL ALIGNMENT OPTIONS.

ESTIMATED IMPACT - REACH 1				
Little Pimmit Run	TREES TBR			LIMITS OF DISTURBANCE (AC)
	Access + Stockpile	Channel Alignment	TOTAL Trees TBR	
Concept 1	45	20	65	6.7
Concept 2	45	23	68	6.7

ESTIMATED IMPACT - REACH 2				
Little Pimmit Run	TREES TBR			LIMITS OF DISTURBANCE (AC)
	Access + Stockpile	Channel Alignment	TOTAL Trees TBR	
Concept 1	35	40	75	11.4
Concept 2	35	61	96	11.7
Concept 3	35	30	65	11.4

*Trees TBR only counted for channel alignment layout. Final tree removal count will be significantly higher due to structure placement, bench/ floodplain grading, and additional tree survey.

COMMONWEALTH OF VIRGINIA
JOHN T. KELLEY, JR
Lic. No. 035786
PROFESSIONAL ENGINEER

DATUM INFORMATION:
HORZ. – VCS NAD 83
VERT. – NGVD 29

BY	DATE

QUALITY CHECK

Wetland Studies and Solutions, Inc.
a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlandstudies.com

EMERGENCY POLICE – FIRE – RESCUE 911

PLAN DATE: JANUARY, 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 STORMWATER PLANNING DIVISION

STORMWATER PLANNING DIVISION
703-324-5500

Little Pimmit Run Stream Restoration
Pre-Concept
ALIGNMENT EXHIBIT – CONCEPT 1

PROJECT NO. SD-000031-246

SCALE	DESIGNED BY: JTS	SHEET
VERT. N/A	DRAFTED BY: JTS	65 OF 80
HORIZ. 1"=30'	CHECKED BY: JTK	

FUND# 400-C40101 L:\23000s\23300\23308.01\CADD\04-ENGR\06-Pre Concept ALIGNMENT CONCEPT 1.dwg

KEY TO SHEETS
1" = 800'

PG. 66
PG. 67
PG. 65
PG. 68
PG. 69
PG. 70
PG. 71
PG. 72
PIMMIT RUN
LITTLE PIMMIT RUN
KIRBY ROAD
FRANKLIN PARK ROAD
CHESTERBROOK ROAD
WOODACRE DRIVE

NORTH

EX. CONC. LINED CHANNEL
EX. 1'(W) STACKED STONE RETAINING WALL
EX. RIP-RAP (TYP.)
EX. 6" EXPOSED HDPD TOP PIPE ELEV.: 202.66'
EX. EXPOSED 21" SANITARY RCP TOP PIPE ELEV.: 200.11'
EX. CONC. V-DITCH TOP WIDTH = 3' FLOW DEPTH = 1'
EX. CONCRETE CASED SANITARY MANHOLE
EX. PORTION OF BROKEN CONC. V-DITCH
EX. TEST BORE "B21"
EX. 4" EXPOSED HDPD TOP PIPE ELEV.: 203.10'
EX. IRRIGATION VALVE
EX. 4"(W) CONC. FES BROKEN AT PIPE JOINT END FES INV. ELEV.: 199.99'
EX. 21" GRAVITY SAN. LINE
PIPE JOINT INV. EL.: 201.27'
EX. EXPOSED 21" SANITARY RCP TOP PIPE ELEV.: 196.50'
EX. EXPOSED 21" SANITARY RCP TOP PIPE ELEV.: 195.50'
EX. PLAYGROUND AREA
EX. 4'(H) METAL FENCE
EX. 1'(W) CONC. RETAINING WALL
EX. 1'(W) CONC. ENDWALL
EX. 3'(W) FLAGSTONE WALK
EX. 1'(W) DIRT TRAIL
EX. 2'(W) FLAGSTONE
EX. CONC. STEPS
EX. CONC. LOW WATER CROSSING
EX. GROUT

0313 01 0107B
SCHUMAN ALAN M TR
1701 BRIAR RIDGE RD
23672
360

0313 42 0009
WHITE JOHN S TR
1719 CHESTERBROOK VALE CT
25521
900

0313 42 0008
STEIN SCHNEIDER ANNE
1717 CHESTERBROOK VALE CT
6828
1440

0313 22 0007B
MESSINA RICHARD J
6155 CALLISTA LN
24540
834

0313 42 0007
RIZZOLO JAMES A JR
1715 CHESTERBROOK VALE CT
16158
1686

0313 22 0008
FRANK RANDOLPH A JR TR
1817 BRIAR RIDGE CT
23714
620

0313 22 0009
SETH THOMAS
1819 BRIAR RIDGE CT
23252
1193

0313 43 0023
BOMGARDNER DAVID J
1810 SOLITAIRE LN
20013
891

0313 43 0024

0314 31 0022
PAGOTTO KIM K S
1808 SOLITAIRE LN
22316
1505

0314 31 0021
DUVAL JAMES L
1806 SOLITAIRE LN
28053
1236

0314 31 0020
SULLIVAN DEBRA AVEN TR
1804 SOLITAIRE LN
21727
782

0314 31 0019
MENDRO JASON J
1802 SOLITAIRE LN
22420
1924

MATCHLINE SEE SHEET 65
MATCHLINE SEE SHEET 67
TRIBUTARY 3
LITTLE PIMMIT RUN

16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00
R=105 R=115 R=110 R=65 R=80

38+00

CONCEPT 1 ALIGNMENT
CONCEPT 2 ALIGNMENT
CONCEPT 3 ALIGNMENT

30 15 0 30 60 90
SCALE: 1"=30'

DATUM INFORMATION:
HORZ. – VCS NAD 83
VERT. – NGVD 29

SEE FIRST ALIGNMENT EXHIBIT SHEET FOR LEGEND

COMMONWEALTH OF VIRGINIA
JOHN T. KELLEY, JR
Lic. No. 035786
PROFESSIONAL ENGINEER

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a DAVEY company
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BY	DATE
QUALITY CHECK	

△#	DESCRIPTION	BY	APPROVED	DATE
REVISIONS				

APPROVED BY THE STORMWATER PLANNING DIVISION

EMERGENCY POLICE – FIRE – RESCUE 911

PLAN DATE: JANUARY, 2021

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

STORMWATER PLANNING DIVISION
703-324-5500

Little Pimmit Run Stream Restoration
Pre-Concept
ALIGNMENT EXHIBIT

PROJECT NO. SD-000031-246

SCALE		DESIGNED BY: JTS	SHEET
VERT.	N/A	DRAFTED BY: JTS	66 OF 80
HORIZ.	1"=30'	CHECKED BY: JTK	

FUND# 400-C40101

L:\23000s\23300\23308.01\CADD\04-ENGR\06-Pre Concept ALIGNMENT CONCEPT 1.dwg

TRIBUTARY 2

TRIBUTARY 3

TRIBUTARY 4

LITTLE PIMMIT RUN

WOODLAND TERRACE

CHESTERBROOK AD

MATCHLINE SEE SHEET 66

MATCHLINE SEE SHEET 68

EX. CONC. TRAPEZOIDAL DITCH
TOP WIDTH = 16'
BOTTOM WIDTH = 6'
FLOW DEPTH = 1.75'

EX. EXPOSED 8" SANITARY DIP
TOP PIPE ELEV.: 191.12'

EX. EXPOSED 8" SANITARY DIP
TOP PIPE ELEV.: 189.88'

EX. 6"(W) WOOD RETAINING WALL

EX. 4" EXPOSED HDPD
TOP PIPE ELEV.: 198.03'

EX. MH STRUCTURE EXPOSED - LID ±8' IN THE AIR
TOP OF STR. EL.: 203.75'
INV. INACCESSIBLE

EX. 12" HDPE
INV. EL.: 194.24'
TERMINUS
UNKNOWN

EX. GRATE INLET
TOP GRATE EL.: 198.89'
INV. (OUT) HDPE EL.: 197.65'

EX. CONC. TRAPEZOIDAL DITCH
TOP WIDTH = 3'
BOTTOM WIDTH = 1'
FLOW DEPTH = 1'

EX. 15" CMP

EX. 21" GRAVITY SAN. LINE

EX. RIP-RAP (TYP.)

EX. RIVER STONE LINED CHANNEL

EX. TERRACED GABION-LINED RETAINING WALL

EX. PLAYGROUND AREA

EX. SAN. CLEANOUT

EX. GABION BASKET

EX. CONC. GRADE CONTROL

EX. TEST BORE "B20"

EX. TEST BORE "B19"

EX. WOOD SAFETY RAILING

EX. MET. SAFETY RAILING

EX. 3'(W) DIRT TRAIL

EX. GROUTED RIP-RAP

EX. 3'(W) FLAGSTONE WALK

EX. PED. BRIDGE

EX. CONC. STEPS

EX. CONC. LOW WATER CROSSING

EX. 2'(W) FLAGSTONE

EX. 4'(H) METAL FENCE

EX. 1'(W) CONC. ENDWALL

EX. 6"(W) CONC. ENDWALL

EX. UTILITY POLE MARKED "C0820 ME34"

EX. FIRE HYDRANT

EX. WATER VALVE

EX. GUY LINE (TYP.)

EX. TEL. PED.

EX. BOLLARD

EX. PED. BRIDGE

EX. HANDICAP RAMP

EX. CONC. CURB AND GUTTER

EX. SIGN "DEER X-ING"

EX. OH UTILITY POLE MARKED "C0820"

EX. SIGN "PED. X-ING"

EX. SIGN "25 MPH"

EX. CONC. WINGWALL

EX. SIGN "20 MPH"

EX. SIGN "PED. X-ING"

EX. SIGN "NEIGHBOR WATCH"

EX. UTILITY POLE MARKED "C0820"
NO CONNECTING OH WIRES

EX. SIGN "ADOPT A STREAM"

EX. SIGN "INTERSECTION AHEAD"

INV. ELEV.: 196.76"

INV. ELEV.: 211.46'

INV. ELEV.: 184.29'

INV. ELEV.: 184.26'

0313 42 0009
WHITE JOHN S TR
4719 CHESTERBROOK VALE CT
25521
900

0313 42 0008
STEIN SCHNEIDER ANNE
4717 CHESTERBROOK VALE CT
6828
1440

0313 42 0006
HAO WILLIAM TR
6810 DILLON AVE
14629
916

0313 42 0005
O BRYAN ROBERT M
4709 CHESTERBROOK VALE CT
6779
1085

0313 42 0004
LIU HENRY W
4707 CHESTERBROOK VALE CT
24908
1867

0313 42 0003
PLASKOW MICHAEL J
4705 CHESTERBROOK VALE CT
20040
834

0313 42 0002
KIM ROBERT
4703 CHESTERBROOK VALE CT
23275
109

HUGO VICTOR J JR
1701 CHESTERBROOK VALE CT
24872
80

0313 42 0023
23716
1518

0313 42 0007
RIZZOLO JAMES A JR
1715 CHESTERBROOK VALE CT
16158
1686

0313 42 A
PARK AUTHORITY-FAIRFAX COUNTY
12055 GOVERNMENT CENTER PW
6487
1492

0313 28 A1
LUKEHART ROBERT
4641 MADDUX LN
23942
153

0314 01 0007
BIANCO ANTHONY D
6107 WOODLAND TE
25660
524

0314 06 A
BIANCO ANTHONY D
6107 WOODLAND TE
25660
524

0314 06 0002B
GHEN PENNY
6104 WOODLAND TER
25627
725

0314 06 0003
FIRSCH MICHAEL SEPH TR
6108 WOODLAND TER
21745
72

0314 31 0019
MENDRO JASON J
1802 SOLITAIRE LN
22420
1924

0314 23 0012
RAINEY IAN A
1701 JAMES PAYNE CIR
24337
1235

0314 23 0011
THOMAS GEORGE DAVID
1701 JAMES PAYNE CIR
24681
1548

0314 23 0010
MARSHALL ALEXANDER
6033 CHESTERBROOK RD
24789
956

KEY TO SHEETS
1" = 800'

PIMMIT RUN
LITTLE PIMMIT RUN
KIRBY ROAD
FRANKLIN PARK ROAD
CHESTERBROOK ROAD
WOODACRE DRIVE
PG. 65
PG. 66
PG. 67
PG. 68
PG. 69
PG. 70
PG. 71
PG. 72

38+00

CONCEPT 1 ALIGNMENT
CONCEPT 2 ALIGNMENT
CONCEPT 3 ALIGNMENT

JOHN T. KELLEY, JR
Lic. No. 035786
COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER

30 15 0 30 60 90
SCALE: 1"=30'

DATUM INFORMATION:
HORZ. - VCS NAD 83
VERT. - NGVD 29

SEE FIRST ALIGNMENT EXHIBIT SHEET FOR LEGEND

Wetland Studies and Solutions, Inc.
a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlandstudies.com

REVISIONS	△#	DESCRIPTION	BY	APPROVED	DATE

QUALITY CHECK BY DATE

APPROVED BY THE STORMWATER PLANNING DIVISION

EMERGENCY POLICE - FIRE - RESCUE 911

PLAN DATE: JANUARY, 2021

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

STORMWATER PLANNING DIVISION
703-324-5500

Little Pimmit Run Stream Restoration
Pre-Concept
ALIGNMENT EXHIBIT

PROJECT NO. SD-000031-246

SCALE
VERT. N/A
HORIZ. 1"=30'

DESIGNED BY: JTS
DRAFTED BY: JTS
CHECKED BY: JTK

SHEET
67 OF 80

FUND# 400-C40101

I:\2000s\23\00\23360.01\CADD\04-ENGR\06-Pre Concept ALIGNMENT CONCEPT 1.dwg

MADDUX LANE

MAINTAIN EXISTING ALIGNMENT THROUGH DOUBLE CROSS VANE

TRIBUTARY 5

TRIBUTARY 6

LITTLE PIMMIT RUN

CHESTERBROOK ROAD

MATCHLINE SEE SHEET 67

MATCHLINE SEE SHEET 69

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00

R=85 R=85 R=85 R=135 R=85

EX. 10'(W) X 10'(H) CONC. BOX CULVERTS

EX. CONC. V-DITCH TOP WIDTH = 5' FLOW DEPTH = 1.0'

EX. RIP-RAP (TYP.)

EX. CONC. WINGWALL

INV. ELEV.: 183.91'
INV. ELEV.: 183.80'
INV. ELEV.: 183.77'
INV. ELEV.: 183.79'

EX. 24" RCP

EX. 1'(W) CONC. ENDWALL

EX. CONC. GRADE CONTROL

EX. MODIFIED CROSS-VANE STRUCTURE

EX. 21" GRAVITY SAN. LINE

EX. 8" DIP

EX. TEST BORE

EX. DIRT TRAIL (VARIABLE WIDTH)

EX. WOOD SAFETY RAILING

EX. GAS VALVE

EX. 48" RCP
INV. ELEV.: 186.95'

EX. CONC. APRON

EX. 1'(W) CONC. WINGWALL

EX. CONC. V-DITCH TOP WIDTH = 2' FLOW DEPTH = 0.5'

INV. ELEV.: 190.14'

EX. 8" CONC. ENDWALL

EX. 15" RCP

EX. 4'(W) GRAVEL TRAIL

EX. 4'(W) DIRT TRAIL

EX. RIP-RAP (TYP.)

EX. EXPOSED 8" SANITARY DIP
TOP PIPE ELEV.: 177.26'

EX. FRAMED SHED

EX. OH UTILITY MARKED "CO8

EX. OH UTILITY

EX. SIGN "PED. X-ING"

EX. SIGN "25 MPH"

EX. SIGN "20 MPH"

EX. SIGN "NEIGHBOR WATCH"

EX. UTILITY POLE NO CONNECTING OH WIRES

EX. UTILITY POLE MARKED "CO820"

EX. SIGN "ADOPT A STREAM"

EX. SIGN "INTERSECTION AHEAD"

EX. HANDICAP RAMP

EX. BOLLARD

MARKED "CO820"

0314 28 A1 LUKEHART ROBERT C 1641 MADDUX LN 23842 153

0314 28 0001 LUKEHART ROBERT C 1641 MADDUX LN 23842 153

0314 28 0002 JAMESON W GEORGE 1639 MADDUX LN 8016 300

0314 28 0003 SKEELE JOHN F TR 1637 MADDUX LN 21664 827

0314 28 0004 PRZYPYSZNY JOHN R 1635 MADDUX LN 12874 1222

0314 28 0005 PETTIT WILLIAM JAMES 1633 MADDUX LN 21287 1578

0314 28 0006 ZIMMET STEVEN 1631 MADDUX LN 4291 213

0314 28 0007 ALEXANDER SYDNEY A 1629 MADDUX LN 7572 1959

0314 28 0008 LETT EVELYN E 1627 MADDUX LN 8126 568

0314 28 B

0314 28 0009 HILLMAN FIDES ARQUESA TR 6034 CHESTERBROOK RD 24643 648

0314 28 PARK AUTHORITY FAIRFAX COUNTY 12055 GOVERNMENT CE 3937 735

0314 28 0010 PAIREL MAURICE L TR 6032 CHESTERBROOK RD 14053 1053

0314 28 0013 SCHARER KAREN I 1654 QUAIL HOLLOW CT 11177 1352

0314 28 0012 ASHWORTH DAVID M 1656 QUAIL HOLLOW CT 10823 1120

0314 28 0014 EMERY WESTON L TR 1652 QUAIL HOLLOW CT 17162 660

0314 23 0010 MARSHALL ALEXANDER 6033 CHESTERBROOK RD 24789 956

0314 23 0008A SINGH NISHA 218 OAKLAND ST 17382 378

LOD SAN SL7 LTS FPL RPA

NORTH

KEY TO SHEETS
1" = 800'

PIMMIT RUN
LITTLE PIMMIT RUN
KIRBY ROAD
FRANKLIN PARK ROAD
CHESTERBROOK ROAD
WOODACRE DRIVE
PG. 65
PG. 66
PG. 67
PG. 68
PG. 69
PG. 70
PG. 71
PG. 72

38+00 CONCEPT 1 ALIGNMENT
CONCEPT 2 ALIGNMENT
CONCEPT 3 ALIGNMENT

SEE FIRST ALIGNMENT EXHIBIT SHEET FOR LEGEND

30 15 0 30 60 90
SCALE: 1"=30'

DATUM INFORMATION:
HORZ. – VCS NAD 83
VERT. – NGVD 29

COMMONWEALTH OF VIRGINIA
JOHN T. KELLEY, JR
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STORMWATER PLANNING DIVISION
703-324-5500

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

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Little Pimmit Run Stream Restoration
Pre-Concept
ALIGNMENT EXHIBIT

PROJECT NO. SD-000031-246

SCALE
VERT. N/A
HORIZ. 1"=30'

DESIGNED BY: JTS
DRAFTED BY: JTS
CHECKED BY: JTK

SHEET 68 OF 80

FUND# 400-C40101

U:\23000s\23300\23366.01\CADD\04-ENGR\06-Pre Concept ALIGNMENT CONCEPT 1.dwg

MADDUX LANE

EX. RCP
(PIPE SIZE INACCESSIBLE)

EX. 15" RCP

EX. OH UTILITY POLE
MARKED "C0820"

EX. OH UTILITY LINE

EX. CURB INLET
STORM MH RIM EL.: 195.02'
15" RCP INV. IN: 189.02'
RCP (SIZE UNKN.) INV. IN (NW): 187.92'
42" RCP INV. OUT: 182.52'

EX. ELEC. BOX

EX. 42" RCP WITH
CONC. FLARED END SEC.
INV.: 181.55'

EX. RIP RAP (TYP.)

EX. 4" EXPOSED HDPE ELEC. CONDUIT
EX. 10" DIA. UTILITY POLE
GUY STUB

EX. 4'(H) METAL FENCE

EX. 1'(W) STONE
RETAINING WALL

EX. GRAVEL
LANDSCAPE AREA

EX. EXPOSED 4" METAL PIPE
TOP PIPE ELEV.: 170.96'

EX. EXPOSED 4" METAL PIPE
TOP PIPE ELEV.: 172.12'

EX. EXPOSED 8"
SANITARY DIP
TOP PIPE ELEV.: 177.26'

EX. RIP-RAP (TYP.)

EX. UTILITY POLE
NO MARKING

EX. 4'(W) DIRT TRAIL

EX. 21" GRAVITY SAN. LINE

EX. 3'(W) TERRACED
GABION-LINED
RETAINING WALL

EX. GABION
BASKET

EX. ROCK
STRUCTURE

EX. ROCK
STRUCTURE (TYP.)

EX. ROCK SILL
STRUCTURE (TYP.)

LITTLE PIMMIT RUN

TRIBUTARY 7

TRIBUTARY 8

ACCESS TO
OVERBANK
DEPRESSION,
ALIGNMENT 1
AND 2

ALIGNMENT 3
TO UTILIZE
EXISTING
STRUCTURES

MATCHLINE SEE SHEET 68

MATCHLINE SEE SHEET 70

0314 28 0008
LETT EVELYN E
1627 MADDUX LN
8126
568

0314 32 0001
CAMP WILLIAM T
1621 MADDUX LN
20494
937

0314 32 0002
FAULKS CRAIG R
1619 MADDUX LN
11481
452

0314 32 0003
1617 MADDUX LLC
9181 RILDA PL
25998
9

0314 32 B
PARK AUTHORITY FAIRFAX COUNTY
12055 GOVERNMENT CENTER PKWY
7202
478

0314 32 0004
BAK TADEUSZ
1615 MADDUX LN
19762
612

0314 32 0005
WEBER MARTIN J
6943 HARBOR CIR
19659
528

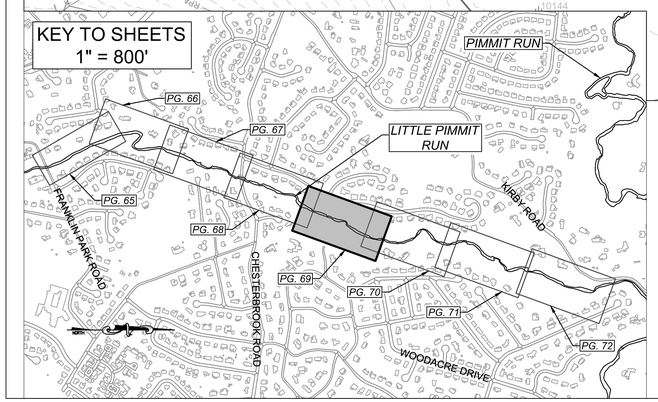
0314 32 0006
ADDISON JAMES D TR
1611 MADDUX LN
19642
1294

0314 30 0003
LODAL JAN M
1651 QUAIL HOLLOW CT
10144

18+00
19+00
20+00
21+00
22+00
23+00
24+00
25+00
26+00
27+00

R=85
R=125
R=110
R=120
R=408
R=70
R=87

KEY TO SHEETS
1" = 800'



38+00

CONCEPT 1 ALIGNMENT
CONCEPT 2 ALIGNMENT
CONCEPT 3 ALIGNMENT

SEE FIRST
ALIGNMENT
EXHIBIT SHEET
FOR LEGEND

COMMONWEALTH OF VIRGINIA
JOHN T. KELLEY, JR
Lic. No. 035786
PROFESSIONAL ENGINEER

30 15 0 30 60 90
SCALE: 1"=30'

DATUM INFORMATION:
HORZ. – VCS NAD 83
VERT. – NGVD 29

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ALIGNMENT EXHIBIT

PROJECT NO. SD-000031-246

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE

APPROVED BY THE STORMWATER PLANNING DIVISION

SCALE
VERT. N/A
HORIZ. 1"=30'

DESIGNED BY: NAS
DRAFTED BY: JTS
CHECKED BY: JTK

SHEET
69 OF 80

FUND# 400-C40101

I:\23000s\23300\23368.01\CADD\04-ENGR\06-Pre Concept ALIGNMENT CONCEPT 1.dwg

MADDUX LANE

ALIGNMENTS 1 AND 3 ROUGHLY PERPENDICULAR TO SANITARY CROSSING

MATCHLINE SEE SHEET 69

MATCHLINE SEE SHEET 71

ALIGNMENT 3 TO UTILIZE EXISTING STRUCTURES

TRIBUTARY 8

LITTLE PIMMIT RUN

EX. CONCRETE WALK

EX. WITNESS POST

EX. PLAYGROUND AREA

EX. TEST BORE

EX. 2'(W) STONE RETAINING WALL

EX. 2'(W) DIRT TRAIL

EX. EXPOSED 9" SANITARY DIP TOP PIPE ELEV.: 165.83'

EX. ROCK SILL STRUCTURE

EX. ROCK STRUCTURE

EX. 15" RCP INV. ELEV.: 170.44'

EX. 15" RCP INV. ELEV.: 170.27'

EX. 15" RCP INV. ELEV.: 168.88'

EX. 21" GRAVITY SAN. LINE

EX. 4" EXPOSED HDPD (MULTIPLE PIPES)

EX. 4" EXPOSED HDPD TOP OF PIPE EL.: 177.73'

EX. 4" EXPOSED HDPD TOP OF PIPE EL.: 177.96'

EX. ROCK STRUCTURE (TYP.)

EX. ROCK SILL

0314 32 0009
LI QU
1605 MADDUX LN
25026
1410

0314 32 0008
MENEZES MARK WESLEY
1607 MADDUX LN
25763
1557

0314 32 0006
ADDISON JAMES D TR
1611 MADDUX LN
19642
1294

0314 32 0007
DENG GENG
1609 MADDUX
23762
455

0314 33 0044
GONGIREDDY GYANCHANDER
815 LEIGH MILL RD
9968
1836

0314 33 0045
CROWE ZACHARY
1504 HARDWOOD LN
22220
639

0314 30 0005
DONOVAN DAVID P
1608 HARDWOOD LN
11059
875

0314 16 0022
NASH ANN
1510 HARDWOOD LN
22971
210

0314 16 0023
Name Withheld By Request
1512 HARDWOOD LN
24924
1350

KEY TO SHEETS
1" = 800'

PIMMIT RUN
LITTLE PIMMIT RUN
KIRBY ROAD
FRANKLIN PARK ROAD
CHESTERBROOK ROAD
WOODACRE DRIVE
PG. 65
PG. 66
PG. 67
PG. 68
PG. 69
PG. 70
PG. 71
PG. 72

38+00 CONCEPT 1 ALIGNMENT
CONCEPT 2 ALIGNMENT
CONCEPT 3 ALIGNMENT

SEE FIRST ALIGNMENT EXHIBIT SHEET FOR LEGEND

COMMONWEALTH OF VIRGINIA
JOHN T. KELLEY, JR
Lic. No. 035786
PROFESSIONAL ENGINEER

30 15 0 30 60 90
SCALE: 1"=30'

DATUM INFORMATION:
HORZ. – VCS NAD 83
VERT. – NGVD 29

Wetland Studies and Solutions, Inc.
a DAVEY company
5300 Wellington Branch Drive • Suite 100
Gainesville, Virginia 20155
Phone: 703-679-5600 • Fax: 703-679-5601
www.wetlandstudies.com

	BY	DATE
QUALITY CHECK		

EMERGENCY POLICE – FIRE – RESCUE 911

PLAN DATE: JANUARY, 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 STORMWATER PLANNING DIVISION				

STORMWATER PLANNING DIVISION
703-324-5500

Little Pimmit Run Stream Restoration
Pre-Concept
ALIGNMENT EXHIBIT

PROJECT NO. SD-000031-246

SCALE		SHEET
VERT. N/A	DESIGNED BY: NAS	70 OF 80
HORIZ. 1"=30'	DRAFTED BY: JTS	
	CHECKED BY: JTK	

FUND# 400-C40101 L:\23000s\23300\23300.03 CADD\04-ENGR 06-Pre Concept ALIGNMENT CONCEPT 1.dwg

ALIGNMENT 2 TO PROVIDE INCREASED SINUOSITY WITHIN EXISTING CHANNEL SCAR

MATCHLINE SEE SHEET 70

MATCHLINE SEE SHEET 72

EXPANDED LIMIT OF DISTURBANCE TO ACCOMODATE ALIGNMENT 2

TRIBUTARY 9

LITTLE PIMMIT RUN

HARDWOOD LANE

39+00 R=95

38+00 R=110

37+00 R=110

36+00 R=110

40+00 R=85

41+00

42+00

43+00 R=85

44+00 R=85

45+00

46+00 R=100

R=70

R=80

EX. 1'(W) CONC. BLOCK RETAINING WALL

EX. STORM MH RIM. ELEV.: 187.22' 21" RCP INV. (OUT): 177.82'

EX. RCP (UNKN. SIZE) TERMINUS UNKN.

EX. 30" RCP INV. ELEV.: 164.63'

EX. 4" EXPOSED HDPD TOP PIPE ELEV.: 166.41'

EX. ABANDONED 30" RCP WITH GROUTED END (TERMINUS UNKNOWN)

EX. 4" EXPOSED HDPD TOP PIPE ELEV.: 166.08'

EX. BROKEN PIPE AND FES DEBRIS FROM 30" RCP

EX. 2'(W) DIRT TRAIL

EX. RIP-RAP (TYP.)

EX. 36" RCP

EX. 6'(W) CONC. FES INV. ELEV.: 160.40'

EX. STRORM MH RIM ELEV.: 168.37' 36" RCP CL INV. OUT: 162.47'

EX. 21" GRAVITY SAN. LINE

EX. UN-TAGGED 18" RED MAPLE

EX. 2'(W) DIRT TRAIL

0314 33 0002 SWIGART DELIA P TR 1587 MADDUX LN 24624

WALD CHARLES FRANCIS TR 1585 MADDUX LN 25470 2068

0312 01 0074B WINSOR CURTIN JR 1453 KIRBY RD 7824 1071

0314 33 0045 CROWE ZACHARY 1504 HARDWOOD LN 22220 639

0314 33 0046 COVINGTON LARA ALICE 1502 HARDWOOD LN 25316 476

0314 33 0047 BURNISON SCOTT ALLAN TR 1500 HARDWOOD LN 23271 1259

0314 33 0048 HARDOCK RANDOLF HURST TR 6030 COPELY LN 23310 863

0314 33 0049 COHEN RONALD M 6028 COPELY LN 9547 911

0314 33 0050 STRAUB TERRY 6026 COPELY LN 9195 1700

0314 33 0051 ERNST DAVID 6024 COPELY LN 16340 248

0312 26 C PARK AUTHORITY FAIRFAX COUNTY 12055 GOVERNMENT CENTER PKWY 07473P 1152

KEY TO SHEETS
1" = 800'

PIMMIT RUN

LITTLE PIMMIT RUN

KIRBY ROAD

FRANKLIN PARK ROAD

CHESTERBROOK ROAD

WOODACRE DRIVE

HARDWOOD LANE

PG. 65 PG. 66 PG. 67 PG. 68 PG. 69 PG. 70 PG. 71 PG. 72

38+00 CONCEPT 1 ALIGNMENT

CONCEPT 2 ALIGNMENT

CONCEPT 3 ALIGNMENT

SEE FIRST ALIGNMENT EXHIBIT SHEET FOR LEGEND

30 15 0 30 60 90

SCALE: 1"=30'

DATUM INFORMATION:
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COMMONWEALTH OF VIRGINIA
JOHN T. KELLEY, JR
Lic. No. 035786
PROFESSIONAL ENGINEER

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BY	DATE
QUALITY CHECK	

EMERGENCY POLICE – FIRE – RESCUE 911

PLAN DATE: JANUARY, 2021

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

STORMWATER PLANNING DIVISION
703-324-5500

REVISIONS △#	DESCRIPTION	BY	APPROVED	DATE
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Little Pimmit Run Stream Restoration
Pre-Concept
ALIGNMENT EXHIBIT

PROJECT NO. SD-000031-246

SCALE
VERT. N/A
HORIZ. 1"=30'

DESIGNED BY: NAS
DRAFTED BY: JTS
CHECKED BY: JTK

SHEET
71 OF 80

FUND# 400-C40101

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KIRBY ROAD

NORTH

MATCHLINE SEE SHEET 71

EXPANDED LIMIT OF DISTURBANCE TO ACCOMODATE ALIGNMENT 2

LITTLE PIMMIT RUN

EX. 2'(W) CONC. MORTARED STONE RETAINING WALL

EX. RIP-RAP (TYP.)

EX. CONC. FOOTING

EX. TEST BORE

EX. 4" EXPOSED DIP UNKNOWN UTILITY

EX. 6" EXPOSED HDPD TOP PIPE ELEV.: 149.16'

EX. 21" GRAVITY SAN. LINE

EX. EXPOSED 21" SANITARY RCP TOP PIPE ELEV.: 148.84'

EX. EXPOSED 21" SANITARY RCP TOP PIPE ELEV.: 147.53'

EX. 8" CONC. ENDWALL

INV. EL.: 158.06'

EX. YARD INLET

STORM MH RIM EL.:

15" RCP INV. OUT: 1

15" RCP INV. IN (E-

EX. 15" RCP

TRAIL

0312 01 0074D
RIZK ASHRAF W
1441 KIRBY RD
16717
103

0312 01 0074A
KASSIM SHAWN
1423 KIRBY RD
24576
865

0312 01 0074C
PARK AUTHORITY FAIRFAX COUNTY
12055 GOVERNMENT CENTER PKWY
9850
1792

0312 15 0002
BLACK ILZE UDRIS TR
1416 LABURNUM ST
24034
1718

0312 15 0001
KNEBEL ZENIA M TR
1418 LABURNUM ST
25355
2059

0312 09 0009
LANDSMAN ROGER J
1424 LABURNUM ST
25331
1815

0312 09 0008
RAHKONEN OSSI J
1420 LABURNUM ST
3877
598

47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 57+27.63

R=70 R=85 R=95 R=105

KEY TO SHEETS
1" = 800'

PIMMIT RUN
LITTLE PIMMIT RUN
KIRBY ROAD
FRANKLIN PARK ROAD
CHESTERBROOK ROAD
WOODACRE DRIVE

PG. 65 PG. 66 PG. 67 PG. 68 PG. 69 PG. 70 PG. 71 PG. 72

38+00 CONCEPT 1 ALIGNMENT
CONCEPT 2 ALIGNMENT
CONCEPT 3 ALIGNMENT

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Little Pimmit Run Stream Restoration
Pre-Concept
ALIGNMENT EXHIBIT

PROJECT NO. SD-000031-246

SCALE	DESIGNED BY: NAS	SHEET
VERT. N/A	DRAFTED BY: JTS	72 OF 80
HORIZ. 1"=30'	CHECKED BY: JTK	

FUND# 400-C40101

I:\23000s\23300\23310\01\CADD\04-ENGR\06-Pre Concept ALIGNMENT CONCEPT 1.dwg