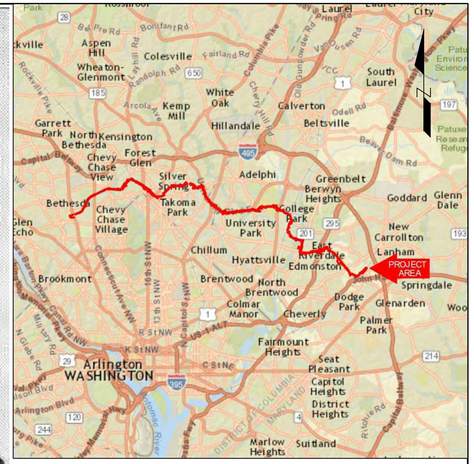
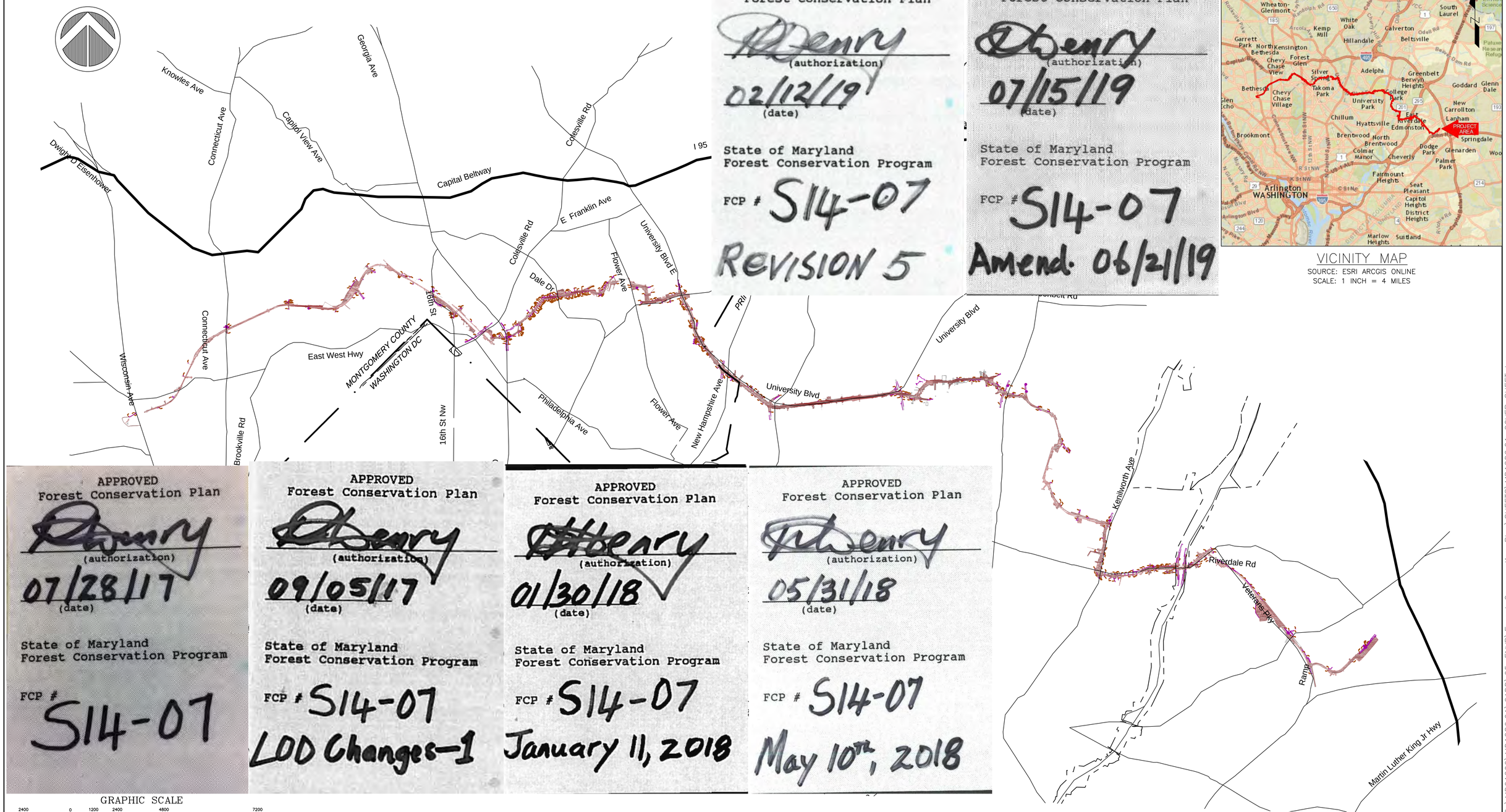
APPROVED
Forest Conservation Plan
(authorization)
02/12/19
(date)
State of Maryland
Forest Conservation Program
FCP # S14-07
REVISION 5

APPROVED
Forest Conservation Plan
(authorization)
07/15/19
(date)
State of Maryland
Forest Conservation Program
FCP # S14-07
Amend. 06/21/19



VICINITY MAP
SOURCE: ESRI ARCGIS ONLINE
SCALE: 1 INCH = 4 MILES



APPROVED
Forest Conservation Plan
(authorization)
07/28/17
(date)
State of Maryland
Forest Conservation Program
FCP # S14-07

APPROVED
Forest Conservation Plan
(authorization)
09/05/17
(date)
State of Maryland
Forest Conservation Program
FCP # S14-07
LOD Changes-1

APPROVED
Forest Conservation Plan
(authorization)
01/30/18
(date)
State of Maryland
Forest Conservation Program
FCP # S14-07
January 11, 2018

APPROVED
Forest Conservation Plan
(authorization)
05/31/18
(date)
State of Maryland
Forest Conservation Program
FCP # S14-07
May 10th, 2018

GRAPHIC SCALE
2400 0 1200 2400 4800 7200
(IN FEET)
1 inch = 2400 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN
COVER SHEET

DATE: JULY 20, 2016 SCALE: 1" = 2400'

CONTRACT NO. ----
DRAWING NO. FCP-1
SHEET NO. 1 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_COVER SHEET.dwg
PRINTED ON: 3 May 2018

GRAPHIC SCALE

1200 0 600 1200 2400 4800

(IN FEET)

1 inch = 1200 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

MTA Maryland

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FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN
INDEX SHEET

DATE: JULY 20, 2016 SCALE: 1" =1200'

CONTRACT NO. ----

DRAWING NO. FCP-2

SHEET NO. 2 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_COVER SHEET.dwg
PRINTED ON: 3 May 2018

LOD Request Number M59
MOT – Resurfacing

LOD Request Number R19
Roadway

LOD Request Number TD1
Traffic – signing and marking

ELM STREET

WOODMONT AVENUE

HAMPDEN LANE

WISCONSIN AVENUE

WAVERLY STREET

MATCHLINE - SEE SHEET 4

MATCHLINE - SEE SHEET 5

100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00

328 330 332 334 336 338 340 342 344 346 348 350 400

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ t174 CRZ — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

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REVISIONS

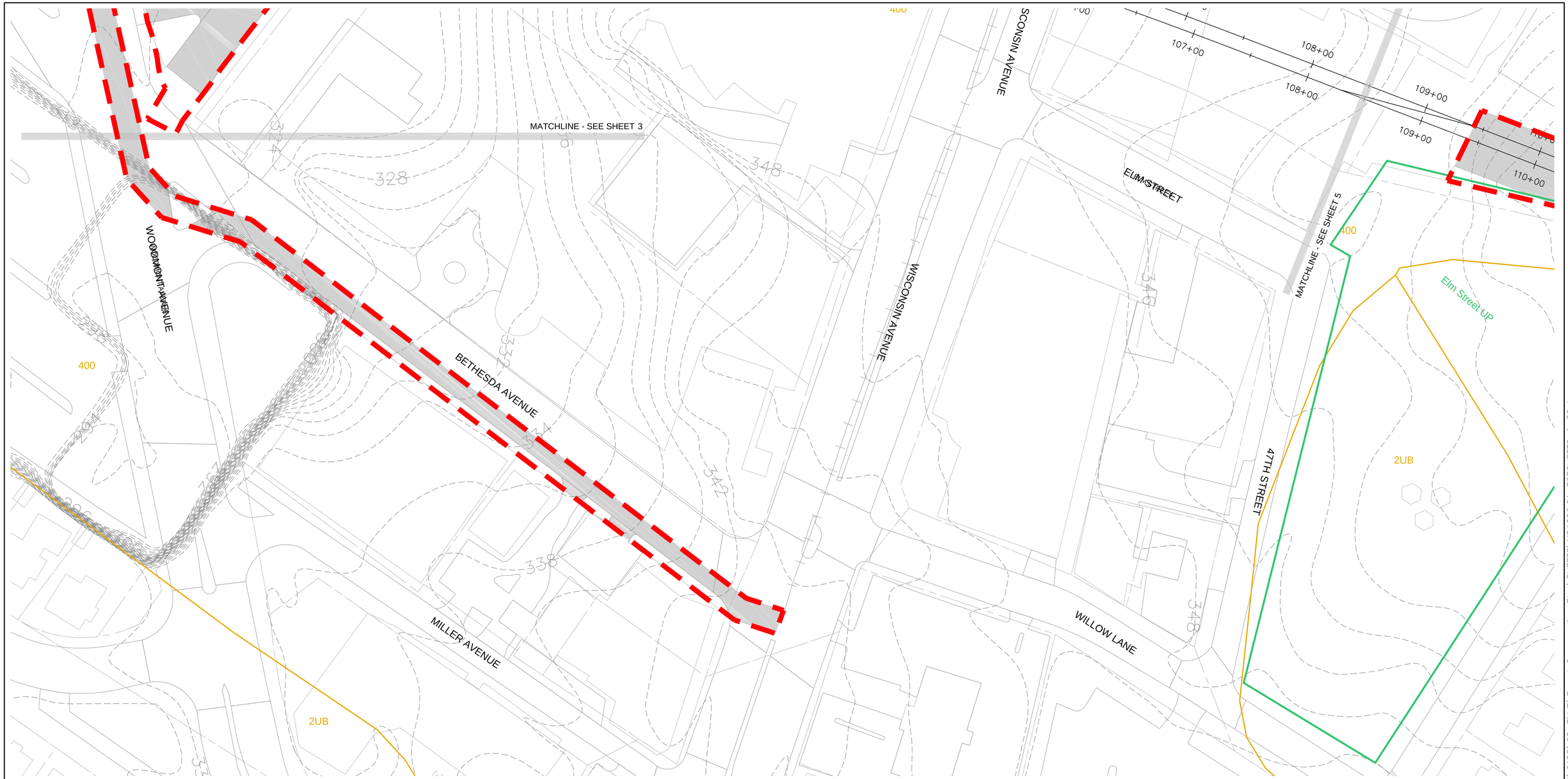
DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-3
SHEET NO. 3 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

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- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

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July 20, 2016

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-4
SHEET NO. 4 OF 100

L:_Maryland_Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
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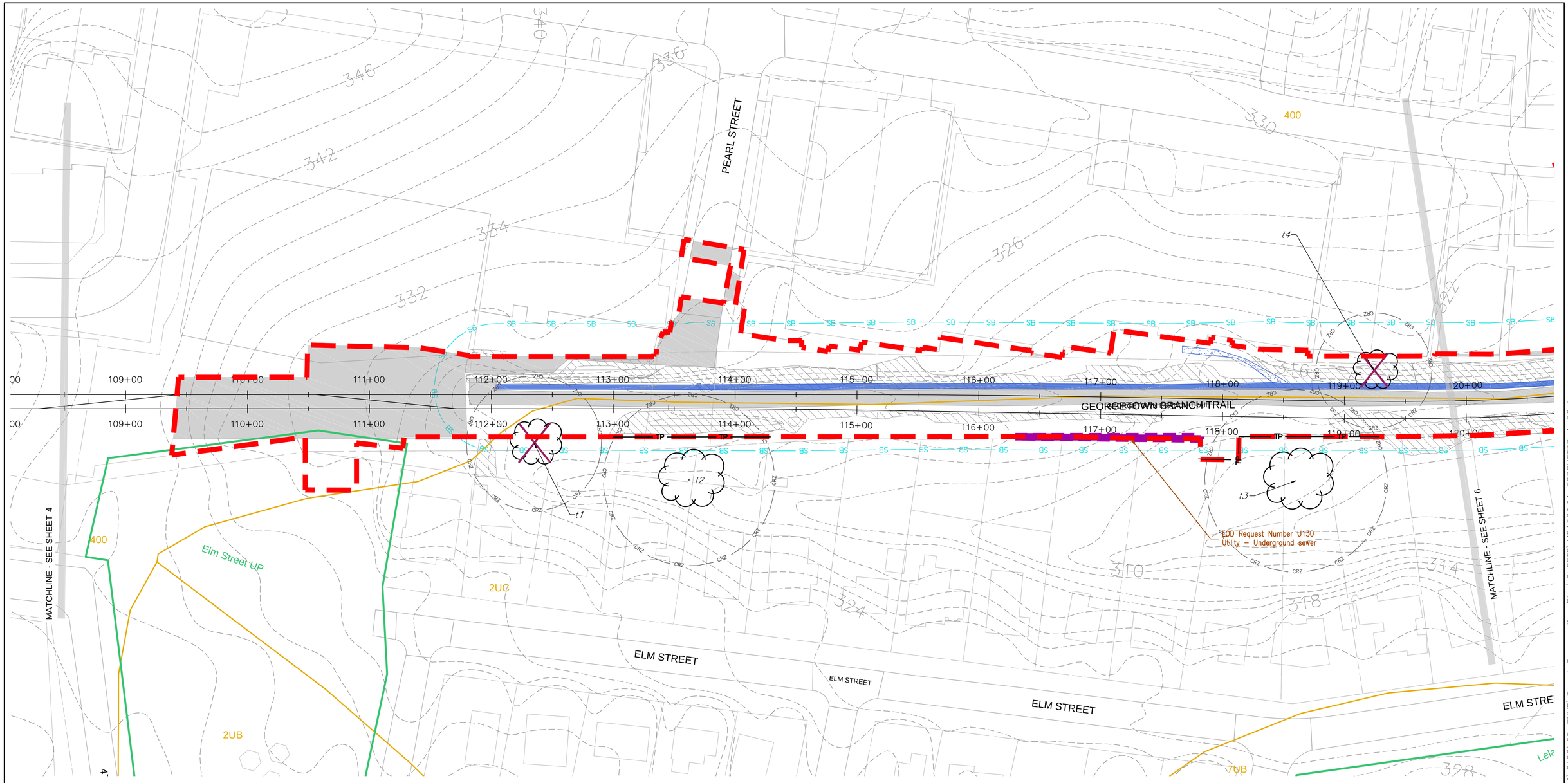

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
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- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-5
SHEET NO. 5 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
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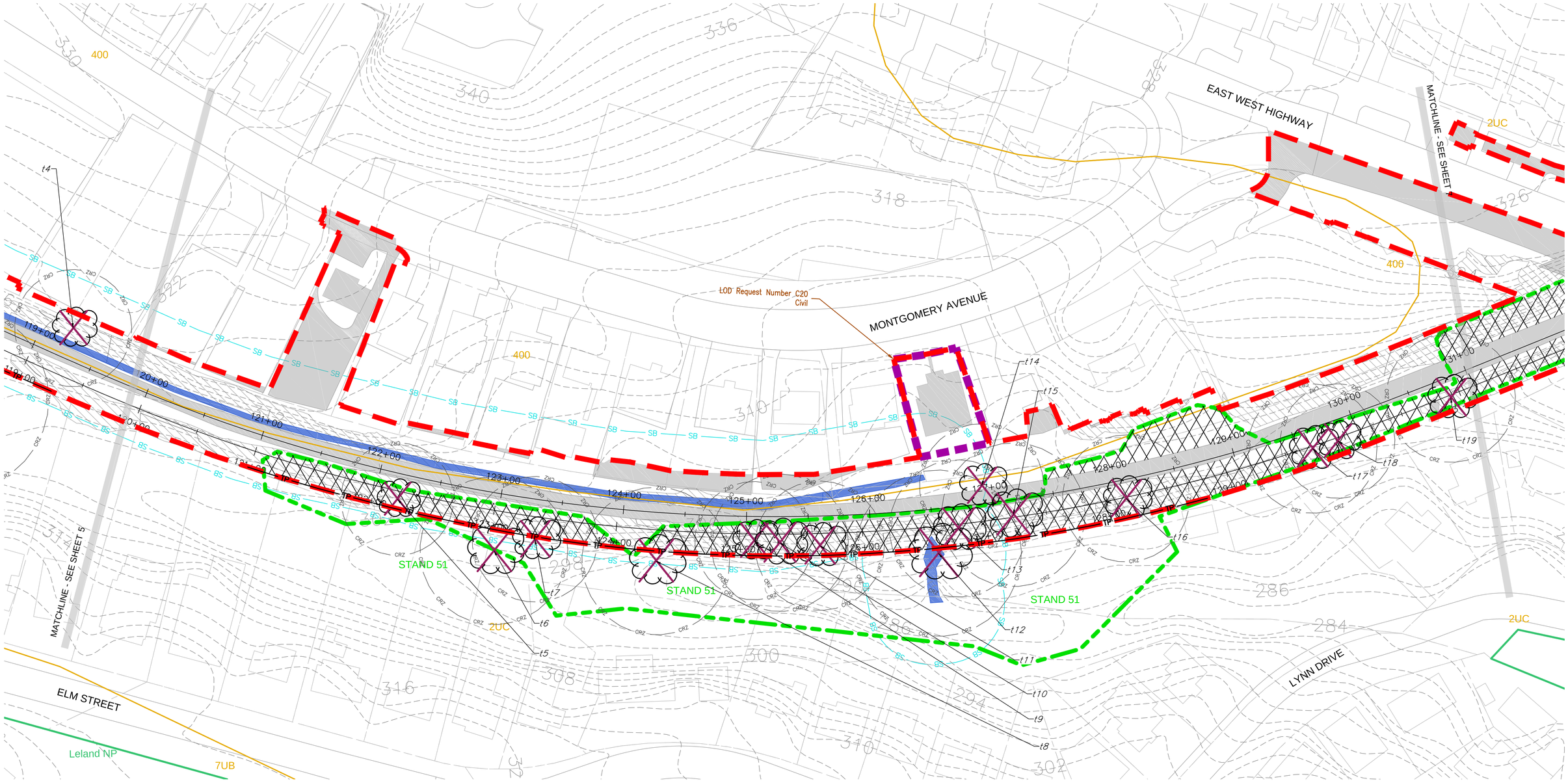

LEGEND

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- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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(IN FEET)
1 inch = 40 ft.

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MTA Maryland

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN	CJH
DRAWN	CJH
CHECK	MJK
APPR	MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

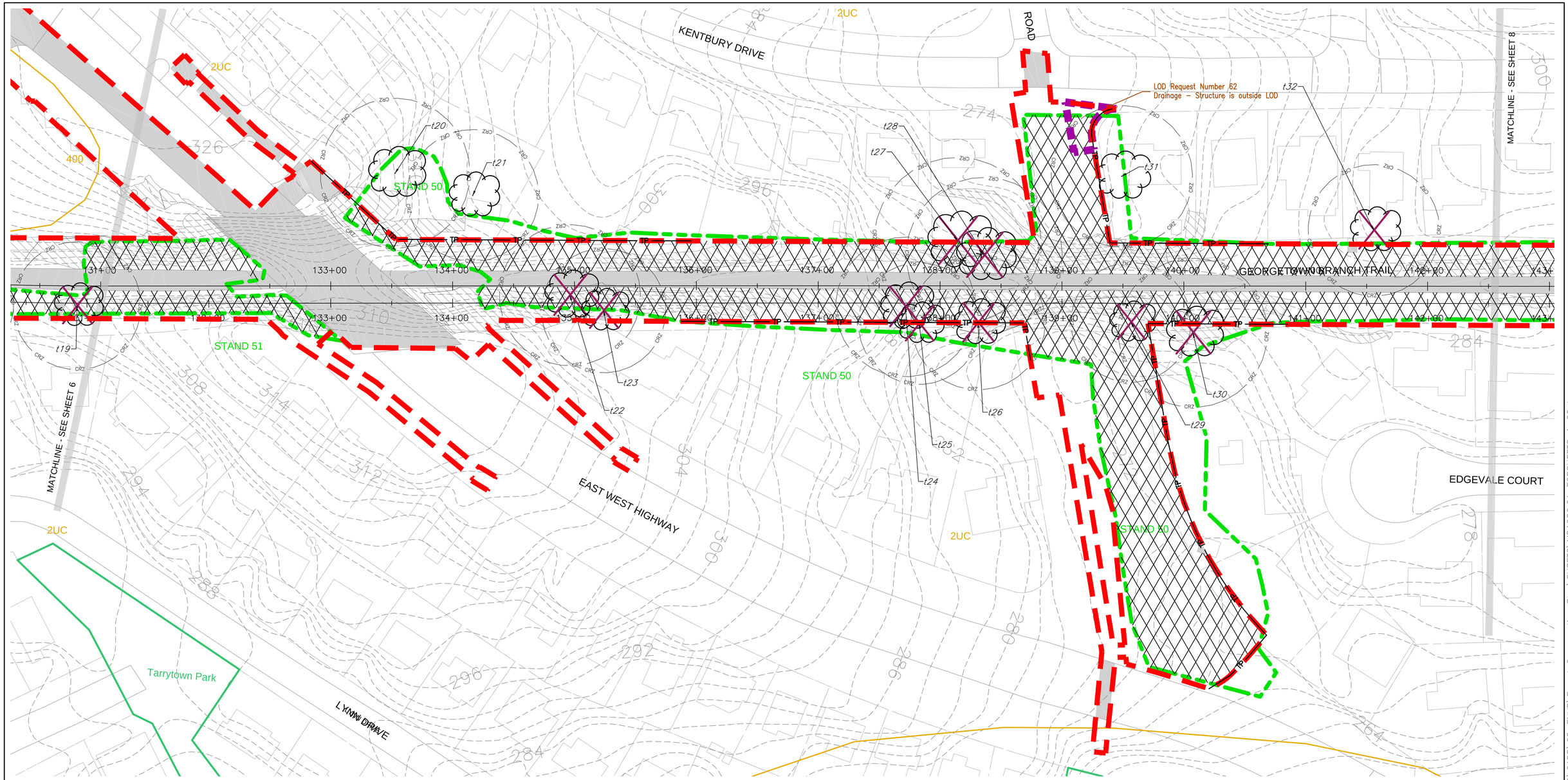
DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-6

SHEET NO. 6 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
PRINTED ON: 3 May 2018



LEGEND

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- PROPOSED LOD/PROJECT BOUNDARY
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- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-7
SHEET NO. 7 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
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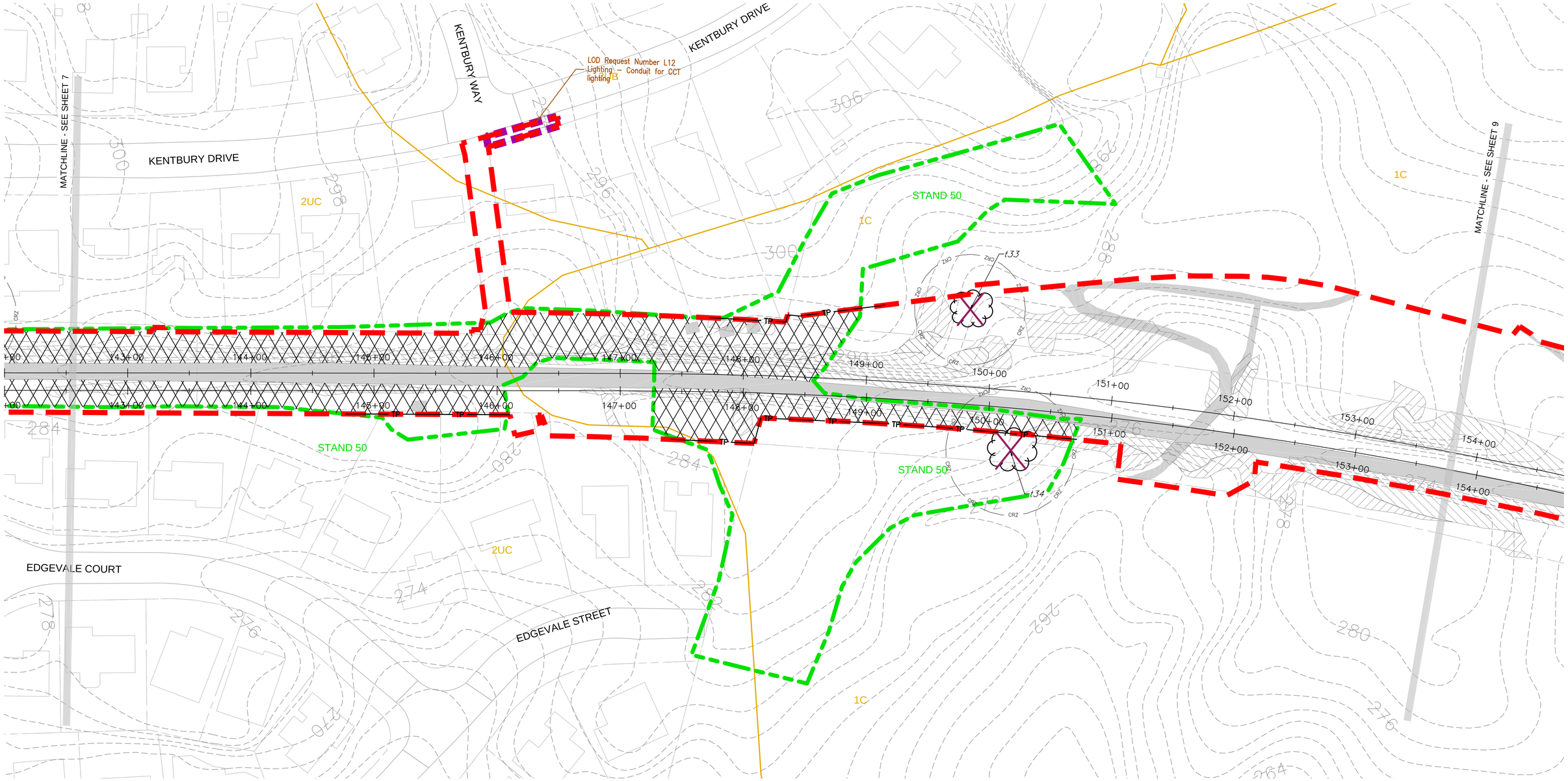

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

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AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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(IN FEET)
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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-8

SHEET NO. 8 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
PRINTED ON: 3 May 2018

LEGEND

STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

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PARK COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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(IN FEET)
1 inch = 40 ft.

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FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Kle[signature]

July 20, 2016

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-9

SHEET NO. 9 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
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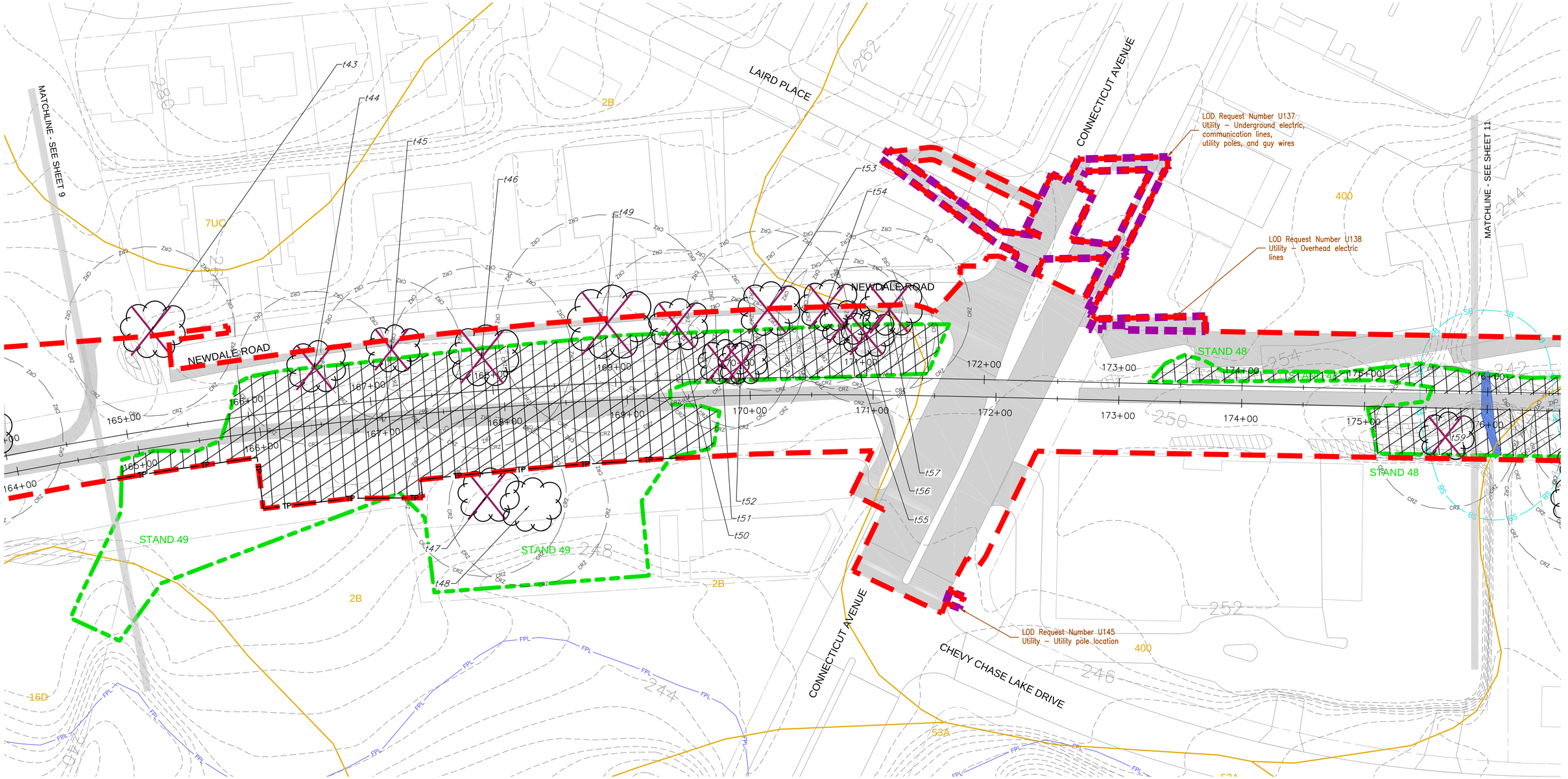

LEGEND

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- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**
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- AREAS ADDED TO LOD MARCH 2018

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(IN FEET)
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(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

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04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

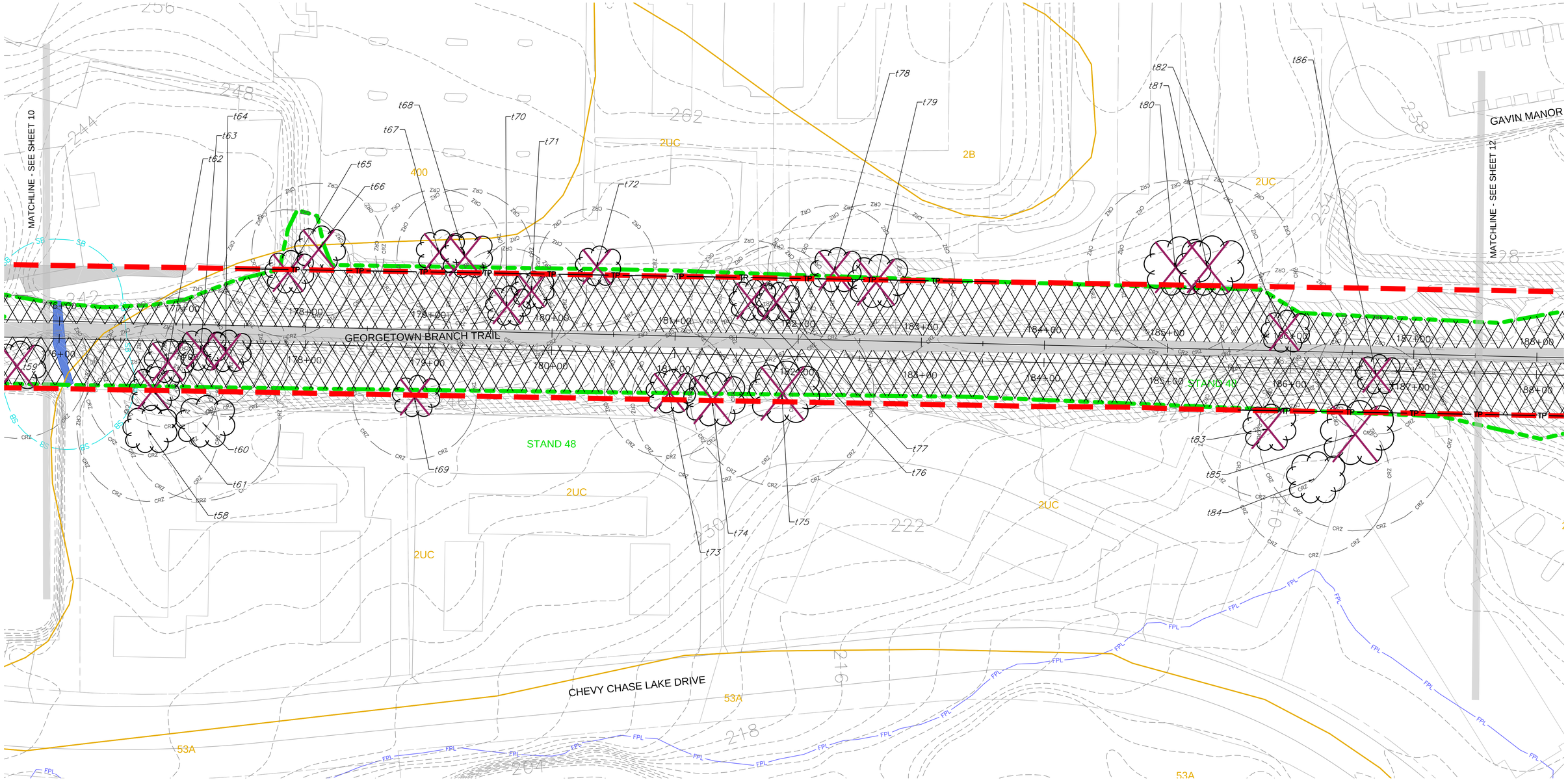
DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-10
SHEET NO. 10 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
- SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

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REVISIONS

DESGN CJH
DRAWN CJH
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FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-11
SHEET NO. 11 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD
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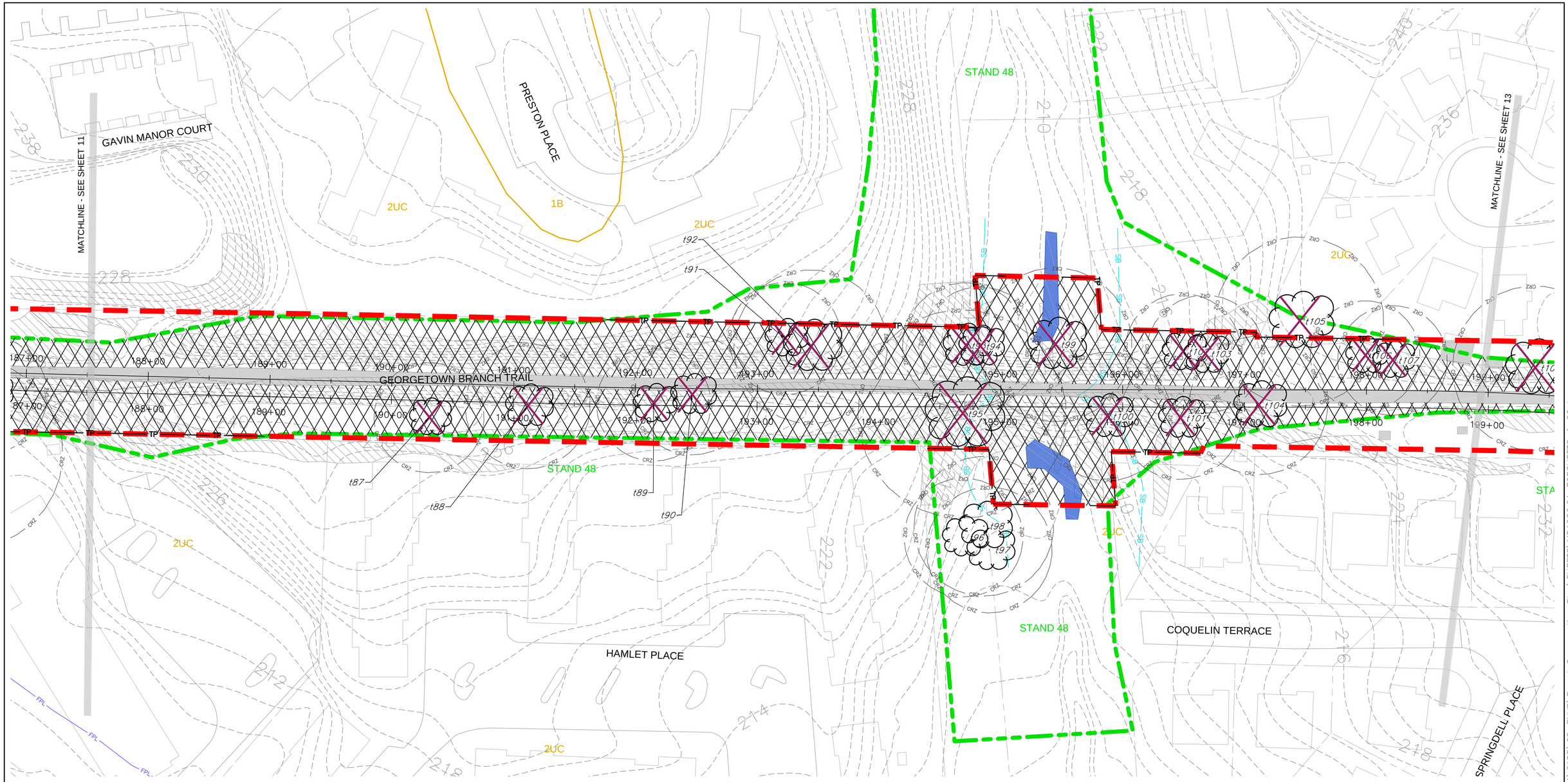

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
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- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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(IN FEET)

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MARYLAND DEPARTMENT OF TRANSPORTATION

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REVISIONS

DESIGN CJH
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FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-12

SHEET NO. 12 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
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JONES BRIDGE ROAD
JONES BRIDGE COURT
JONES MILL ROAD
SUSANNA LANE
COQUELIN TERRACE
WOODBROOK LANE
ODELL PLACE
MATCHLINE - SEE SHEET 12
MATCHLINE - SEE SHEET 14
STAND 48
STAND 47
2UB
2UC
LOD Request Number M1
MOT – Resurfacing
LOD Request Number U140
Utility – Overhead electrical line
LOD Request Number U139
Utility – Underground communications line and overhead electrical line
LOD Request Number U142
Utility – Underground communication line
LOD Request Number U141
Utility – Underground communications line
LOD Request Number R21
Roadway
LOD Request Number R20
Roadway
CRZ
TP
t107
t108
t109
t110
t111
t112
t113
t114
t115
t116
t117
t118
t119
t120
t121
t123
198+00
199+00
200+00
201+00
202+00
203+00
204+00
205+00
206+00
207+00
208+00
209+00

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

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July 20, 2016
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REVISIONS

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APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN
DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-13
SHEET NO. 13 OF 100

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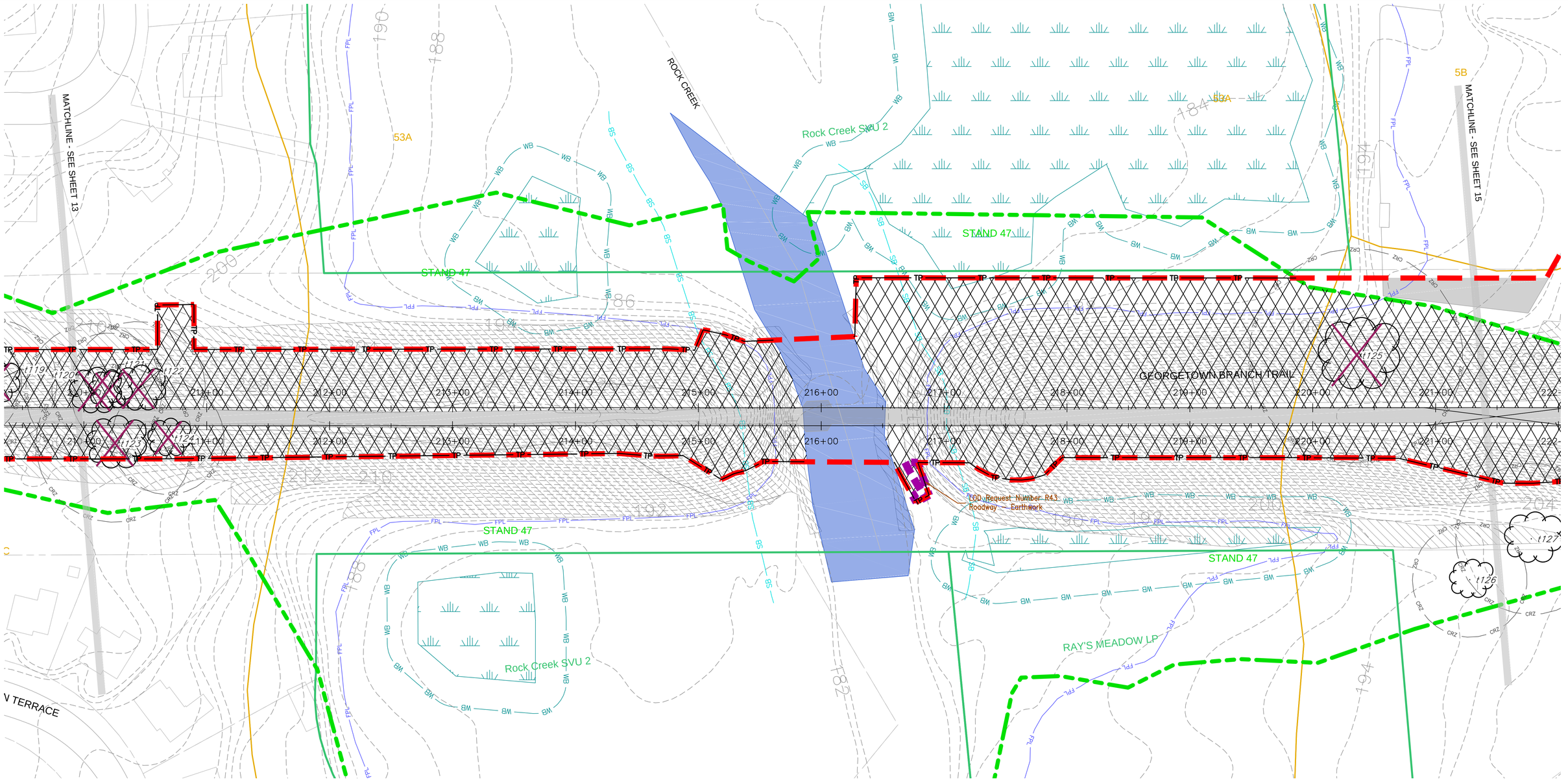

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

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- 2B CcE — SOILS BOUNDARY AND LABEL
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- WETLANDS
- OPEN WATER
- 50-FT STREAM BUFFER
- 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-14

SHEET NO. 14 OF 100

L:_Maryland_Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
PRINTED ON: 3 May 2018

LEGEND

Symbol	Description
STAND 5	FOREST STAND BOUNDARY AND LABEL FROM FSD
	FOREST IMPACT AREAS
	PROPOSED LOD/PROJECT BOUNDARY
TP	PROPOSED TREE PROTECTION**
t174 CRZ	SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
t175	SPECIMEN TREE FROM FSD TO BE REMOVED
2B CcE	SOILS BOUNDARY AND LABEL
	IMPERVIOUS AREAS (DEDUCTIONS)
	INTERMITTENT/PERENNIAL STREAMS
	EPHEMERAL CHANNEL
	WETLANDS
	OPEN WATER
SB	50–FT STREAM BUFFER
WB	25–FT WETLAND BUFFER
	25% SLOPES
	15% SLOPES ON ERODIBLE SOILS
FPL	100–YEAR FLOODPLAIN
PARK	COUNTY PARK LAND BOUNDARY & LABEL
	AREAS ADDED TO LOD MARCH 2018

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

GRAPHIC SCALE

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(IN FEET)
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MTA Maryland

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Michael J. Kl[signature]

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016

SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-15

SHEET NO. 15 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
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STAND 46

MATCHLINE - SEE SHEET 15

MATCHLINE - SEE SHEET 17

LOD Request Number TD4
Traffic – Signing and marking

LOD Request Number U501
Utilities – Guy wire

LOD Request Number U322
Utilities – Overhead electric line and communication line

2UC

67UB

LYTTONSVILLE ROAD

Rosemary Hills-Lyttonsville LP

SKYVILLE ACCESS ROAD

t138 t139 t140 t141 t142 t143 t144 t145 t146 t147 t148 t149 t150 t151 t152 t153

TP

CRZ

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
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- PROPOSED TREE PROTECTION**
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- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
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- WETLANDS
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- SB — 50-FT STREAM BUFFER
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- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
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MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

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July 20, 2016

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REVISIONS

DESGN CJH
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FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-16
SHEET NO. 16 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
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MATCHLINE THIS SHEET

LOD Request Number R24 Roadway

LOD Request Number R14 Roadway – Handicap ramp

LOD Request Number R23 Roadway

LYTTONSVILLE PLACE

BROOKVILLE ROAD

Meadowbrook Maintenance Yard

STAND 45

STAND 46

67UB

2UC

MATCHLINE - SEE SHEET 18

MATCHLINE - SEE SHEET 16

LOD Request Number U325 Utilities – Overhead electrical line and communication line

LOD Request Number R24 Roadway

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
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DRAWN CJH
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FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-17

SHEET NO. 17 OF 100

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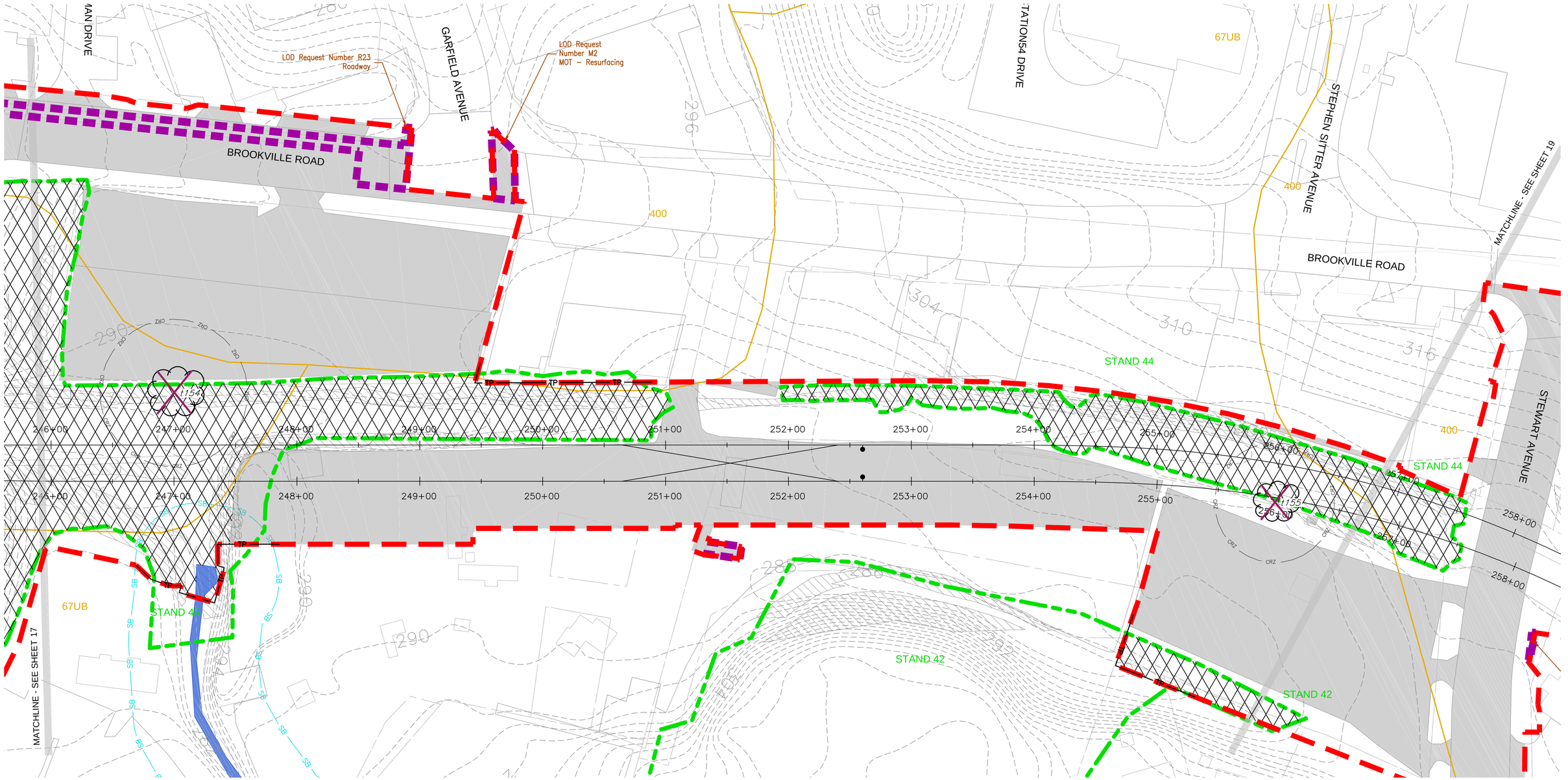

LEGEND

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- FOREST IMPACT AREAS
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- PROPOSED TREE PROTECTION**

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REVISIONS

DESIGN CJH
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FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-18
SHEET NO. 18 OF 100

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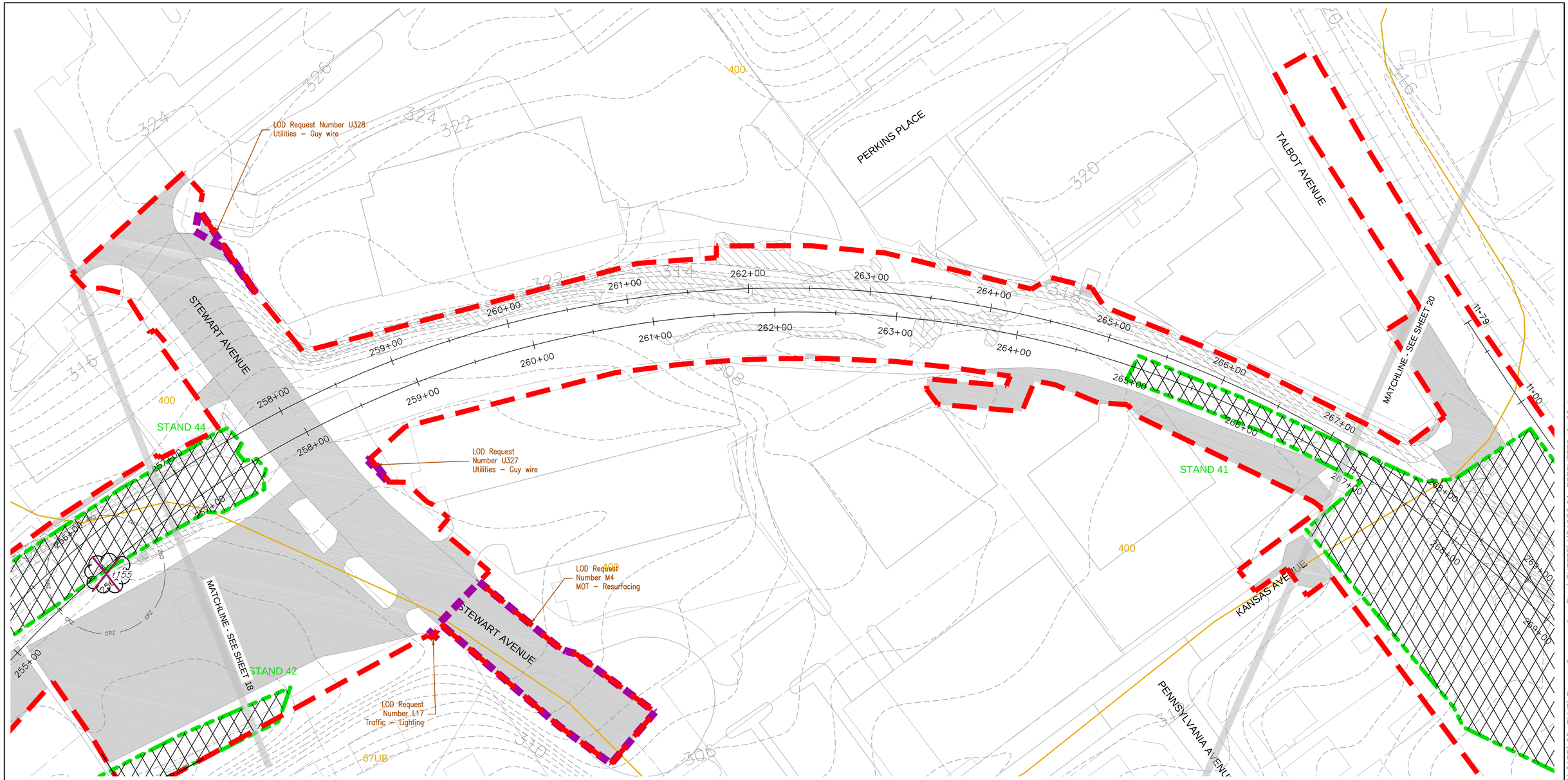

LEGEND

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

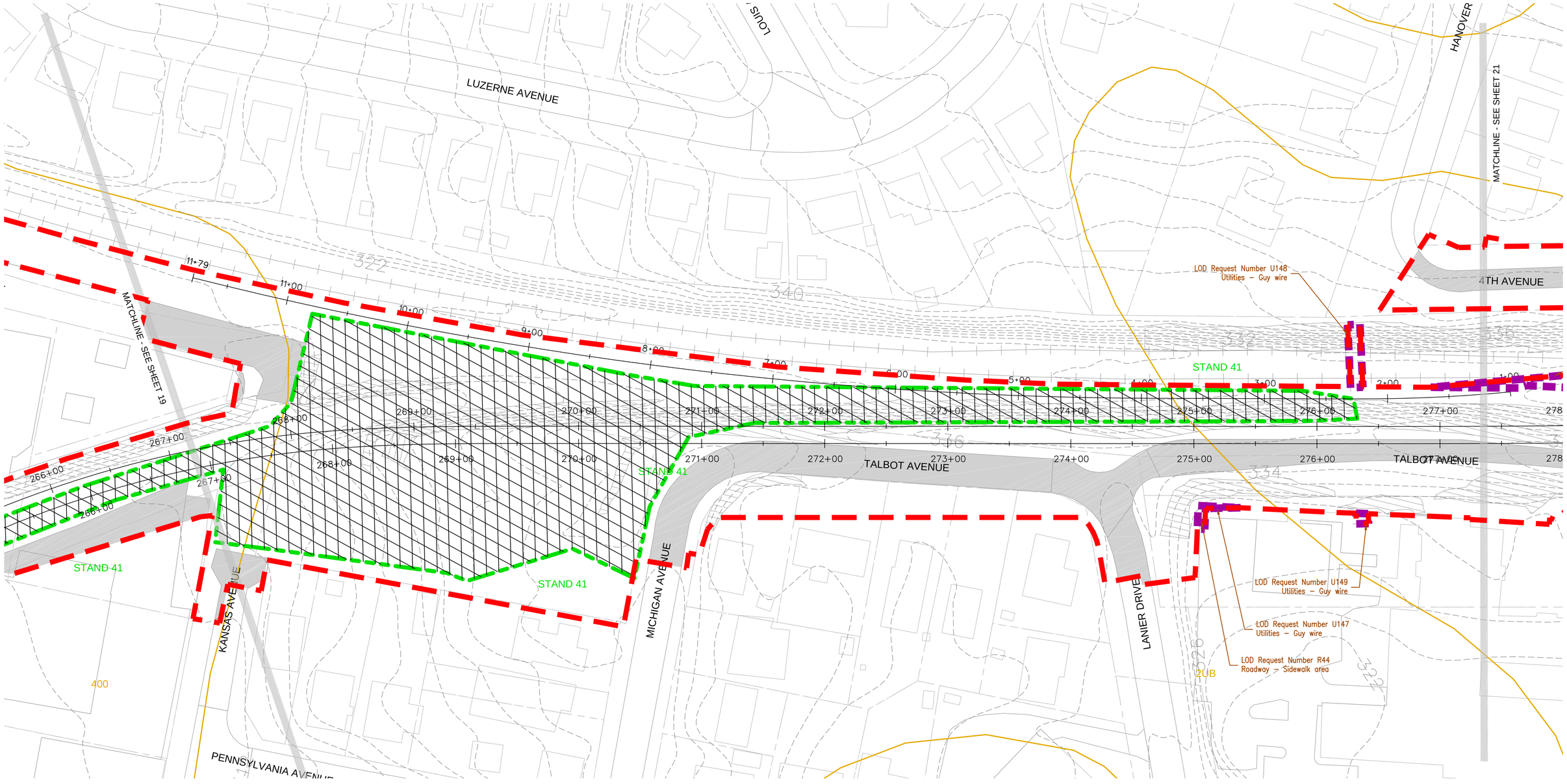
DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-19
SHEET NO. 19 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
PRINTED ON: 3 May 2018



LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

MTA Maryland

Wetland Studies and Solutions, Inc. a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-20

SHEET NO. 20 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
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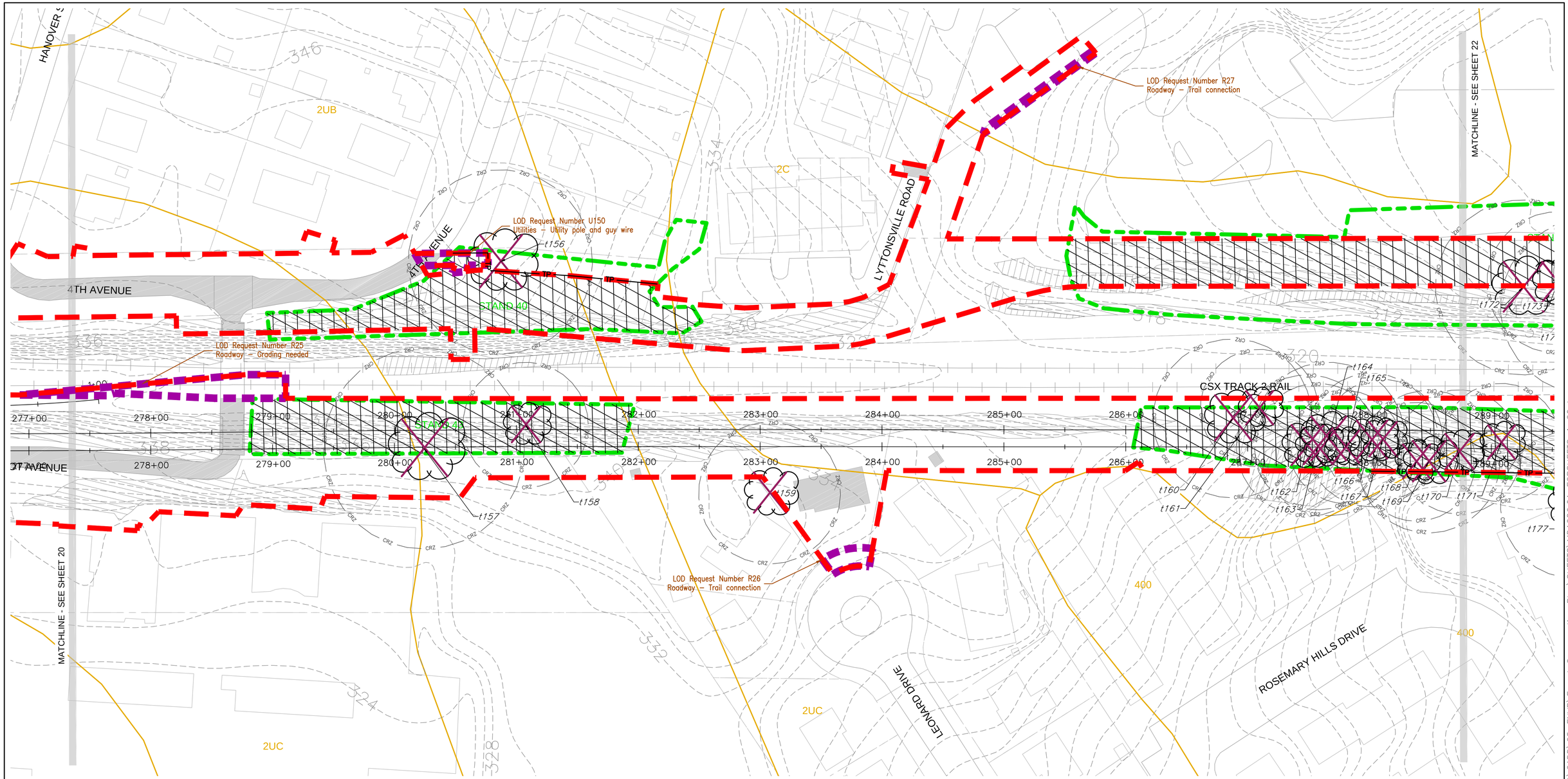

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
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- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

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July 20, 2016

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-21

SHEET NO. 21 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
PRINTED ON: 3 May 2018

LOD Request Number R28
Roadway – Trail connection

LOD Request Number M5
MOT – Resurfacing

LOD Request Number R29
Roadway – Trail connection

LOD Request Number R30
Roadway – Trail connection

LOD Request Number M6
MOT – Resurfacing

16TH STREET

3RD AVENUE

NOYES DRIVE

SPRINGWOOD DRIVE

BRIDGE

MATCHLINE - SEE SHEET 23

MATCHLINE - SEE SHEET 21

STAND 38

2C

2UB

t168 t169 t170 t171 t172 t173 t174 t175 t176 t177 t178 t179 t180

289+00 290+00 291+00 292+00 293+00 294+00 295+00 296+00 297+00 298+00 299+00 300+00

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

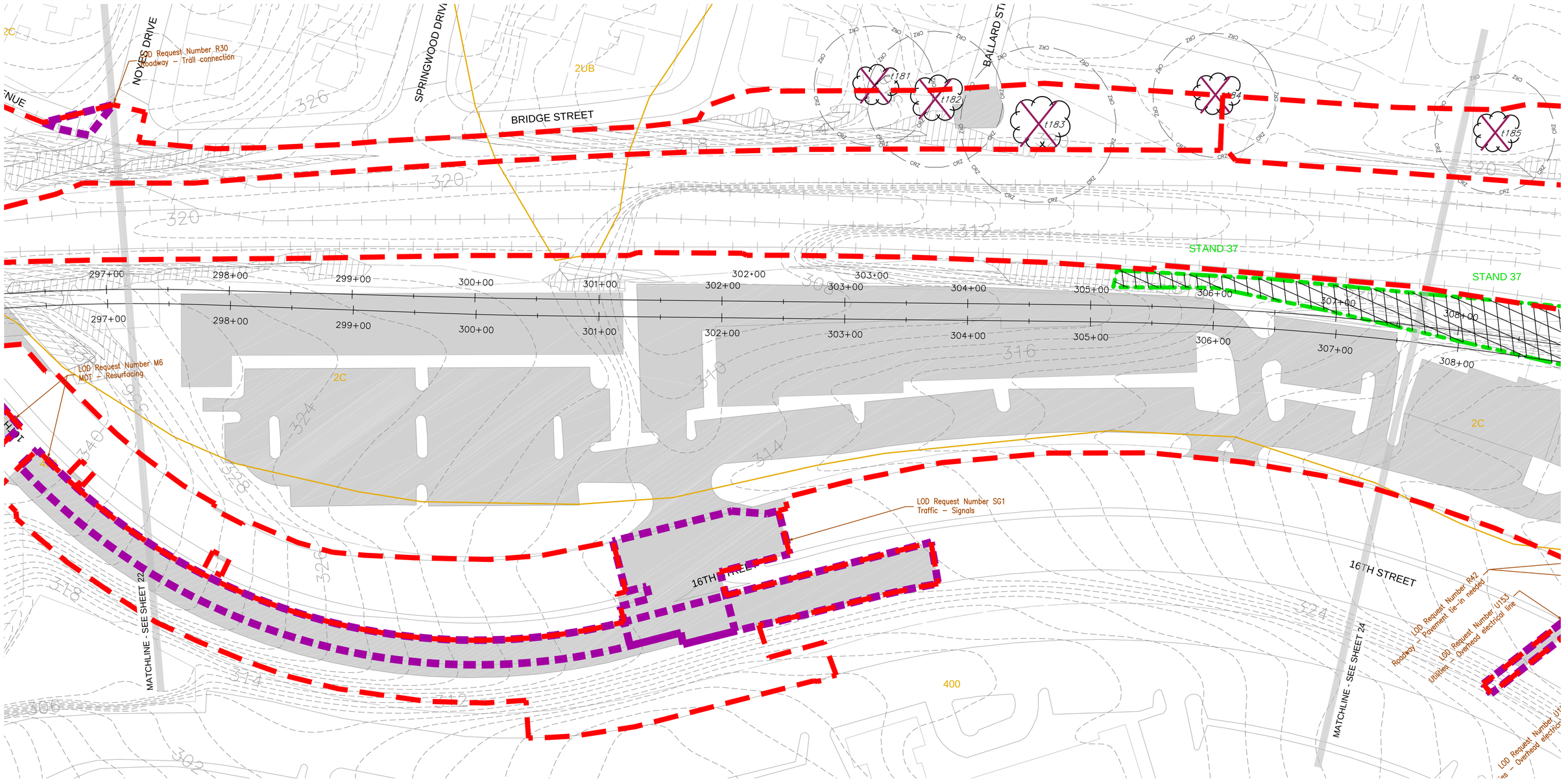
DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-22
SHEET NO. 22 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_1-20.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 (CRZ) — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-23
SHEET NO. 23 OF 100

L:_Maryland\Projects\MD01000s\MD1200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018

306+00
307+00
307+00
308+00
308+00
309+00
309+00
310+00
310+00
311+00
311+00
312+00
312+00
313+00
313+00
314+00
STAND 37
2C
t155
t186
LOD Request Number U161
Utility – Utility pole and guy wire
LOD Request Number R13
Roadway – Pavement tie-in
SPRING STREET
SPRING STREET
TREE #187
PREVIOUSLY REMOVED
TREE #187
PREVIOUSLY REMOVED
MATCHLINE - SEE SHEET 23
MATCHLINE - SEE SHEET 25
167TH STREET
LOD Request Number R42
Roadway – Pavement tie-in needed
LOD Request Number U153
Utilities – Overhead electrical line
LOD Request Number U154
Utilities – Overhead electrical line
LOD Request Number U155
Utilities – Overhead electrical line
LOD Request Number U156
Utilities – Overhead electrical line, guy wire
LOD Request Number U157
Utilities – Overhead electrical line
LOD Request Number U158
Utilities – Overhead electrical line
LOD Request Number M7
MOT – Resurfacing
NOTE - FOREST STAND 36 HAS BEEN CLEARED DURING RECENT RESIDENTIAL CONSTRUCTION.
Kramer UP
FENWICK LANE
400

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

50-FT STREAM BUFFER

25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
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July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-24
SHEET NO. 24 OF 100

L:_Maryland_Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018

PREVIOUSLY REMOVED

NOTE - FOREST STAND 36 HAS BEEN CLEARED DURING RECENT RESIDENTIAL CONSTRUCTION.

FENWICK LANE

LOD Request Number R31
Roadway – Trail connection

t189 t190 t191 t192

CSX TRACK 2 RAIL

EAST WEST HIGHWAY

MATCHLINE - SEE SHEET 24

MATCHLINE - SEE SHEET 26

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- 50' SB — 50-FT STREAM BUFFER
- 25' WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-25
SHEET NO. 25 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
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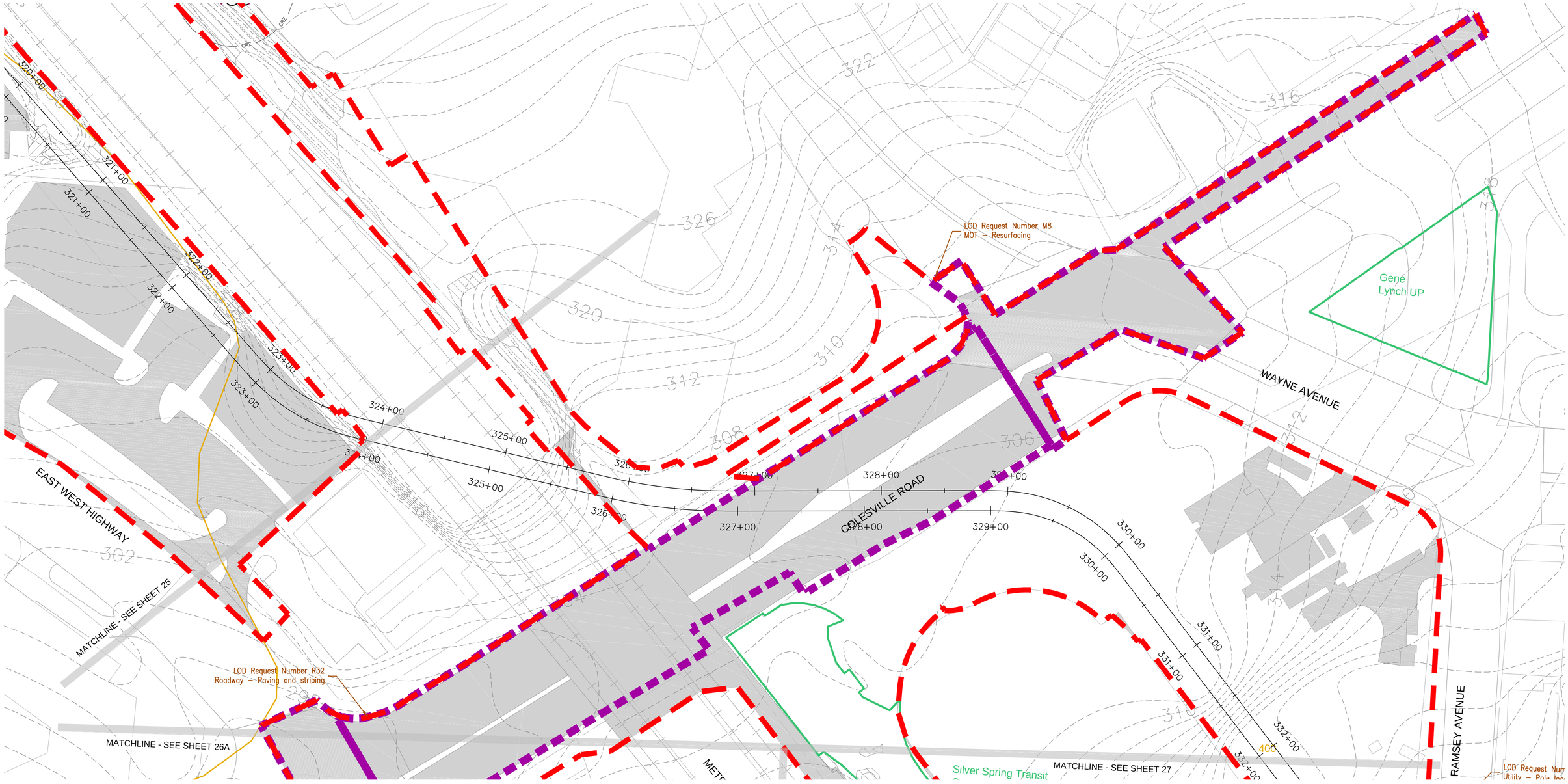

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**
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- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

MTA Maryland

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN	CJH
DRAWN	CJH
CHECK	MJK
APPR	MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-26

SHEET NO. 26 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018

EAST WEST HIGHWAY

COLESVILLE ROAD

DRAPER LANE

MATCHLINE - SEE SHEET 25

MATCHLINE - SEE SHEET 26

MATCHLINE - SEE SHEET 27

LOD Request Number R32
Roadway – Paving and striping

LOD Request Number M58
MDT – Resurfacing

METRORAIL TRACK B2 RAIL

Silver Spring Transit Center Plaza UP

325+00 326+00 327+00 328+00 329+00 330+00

306 302 300 284 288 292 296 400 286 308 314 310 312 316 318 320 322 324

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

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EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

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25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

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MARYLAND DEPARTMENT OF TRANSPORTATION

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July 20, 2016

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-26A

SHEET NO. 26A OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
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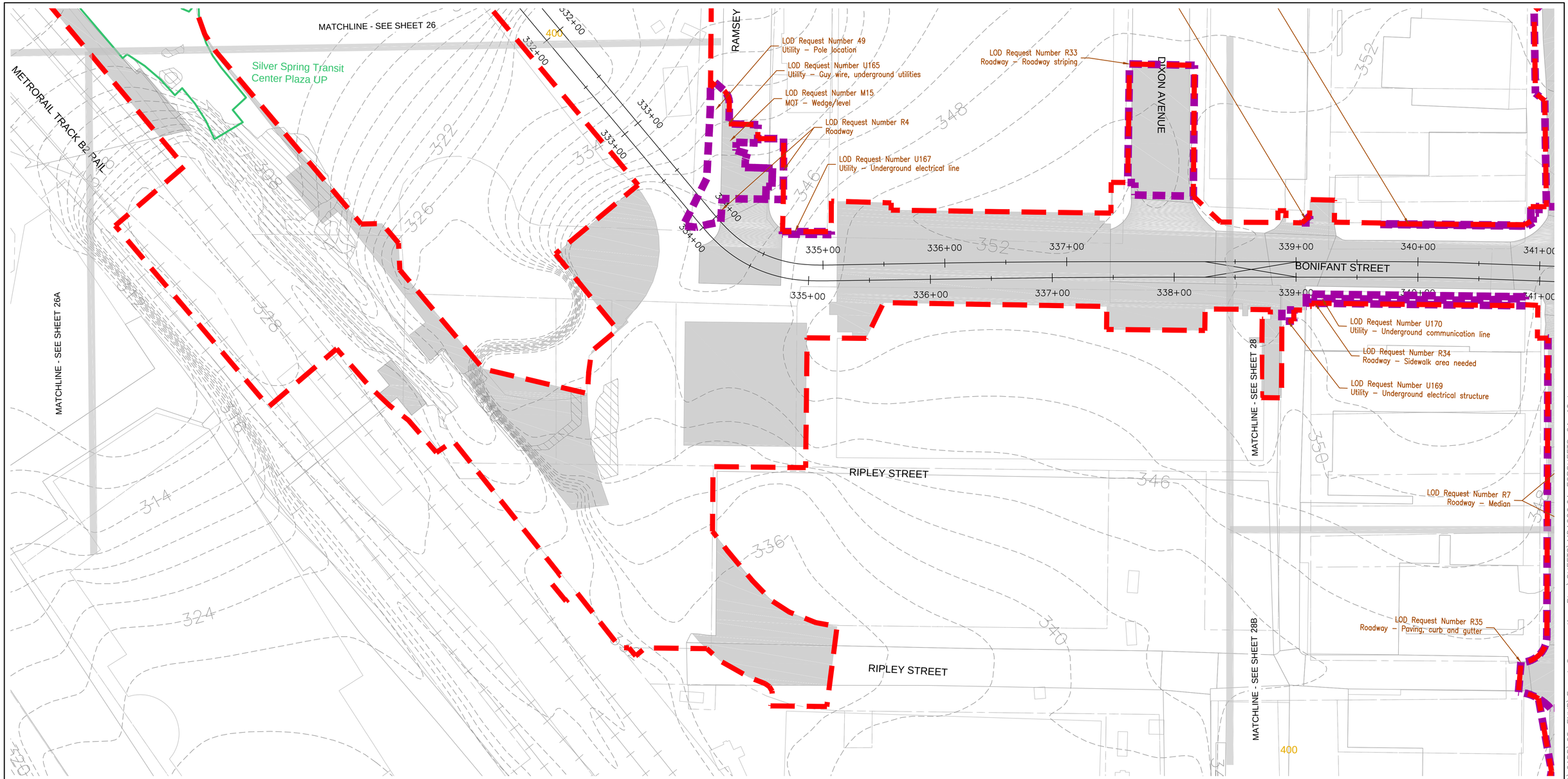

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

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- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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(IN FEET)

1 inch = 40 ft.

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NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-27

SHEET NO. 27 OF 100

L:_Maryland_Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
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MATCHLINE - SEE SHEET 28A

MATCHLINE - SEE SHEET 29

MATCHLINE - SEE SHEET 28B

MATCHLINE - SEE SHEET 27

DIXON AVENUE

GEORGIA AVENUE

BONIFANT STREET

THAYER AVENUE

LOD Request Number R5
Roadway – Sidewalk area needed

LOD Request Number U168
Utility – Underground communication line

LOD Request Number R33
Roadway – Roadway striping

LOD Request Number R6
Roadway – Median

LOD Request Number U172
Utility – Underground gas line

LOD Request Number U173
Utility – Underground gas line

LOD Request Number R8
Roadway – Sidewalk

LOD Request Number U175
Utility – Water structure and underground gas line

LOD Request Number U176
Utility – Underground communication line

LOD Request Number U178
Utility – Underground gas line

LOD Request Number U170
Utility – Underground communication line

LOD Request Number R34
Roadway – Sidewalk area needed

LOD Request Number U169
Utility – Underground electrical structure

LOD Request Number U177
Utility – Underground gas line

LOD Request Number U174
Utility – Underground communication line

LOD Request Number U171
Utility – Underground gas line

LOD Request Number R7
Roadway – Median

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

50–FT STREAM BUFFER

25–FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

100–YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-28
SHEET NO. 28 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018

LOD Request Number M11
MOT – Resurfacing

LOD Request Number M12
MOT – Resurfacing

LOD Request Number R16
Roadway – Pavement tie-in

LOD Request Number 48
Traffic (lighting) – Lighting

WAYNE AVENUE

LOD Request Number R36
Roadway – Paving, curb and gutter

MATCHLINE - SEE SHEET 29

MATCHLINE - SEE SHEET 28

LOD Request Number R5
Roadway – Sidewalk area needed

LOD Request Number U168
Utility – Underground communication line

LOD Request Number R6
Roadway – Median

LOD Request Number U172

340 342 338 344 400 348+00 347+00

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ t174 SIZE — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
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July 20, 2016
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(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

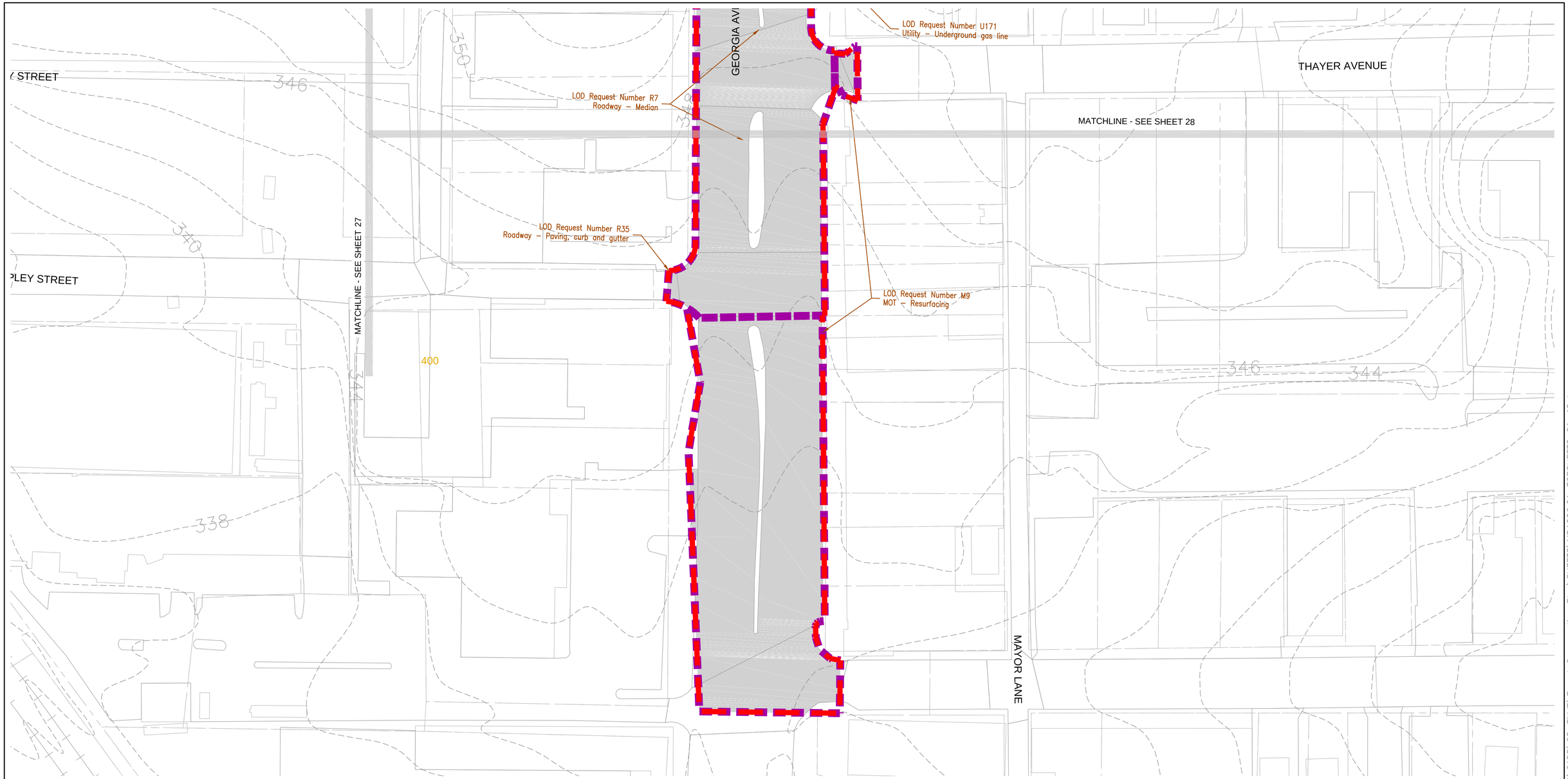
DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-28A
SHEET NO. 28A OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 (CRZ) — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-28B
SHEET NO. 28B OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 28A

WAYNE AVENUE

FENTON STREET

400

345+00
346+00
347+00
348+00
349+00
350+00
351+00
352+00
353+00
354+00
355+00
356+00

t195
t194
t195

MATCHLINE - SEE SHEET 28

334

FENTON STREET

BONIFANT STREET

342

346

344

LOD Request Number U508
Utilities – Utility guy wire

MATCHLINE - SEE SHEET 30

WAYNE AVENUE

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 (CRZ) — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD JUNE 2019

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
06	REVISED LOD AREAS AND CALCULATIONS	PD	6/12/2019
05	REVISED LOD AREAS AND CALCULATIONS	CH	1/30/19
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-29
SHEET NO. 29 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 13 June 2019

MATCHLINE - SEE SHEET 29

MATCHLINE - SEE SHEET 31

WAYNE AVENUE

CEDAR STREET

SPRINGVALE ROAD

LOD Request Number U247
Utility – Guy wire and overhead electrical line

LOD Request Number 52
Traffic (lighting) – Required lighting

LOD Request Number U251
Utility – Overhead electrical line

LOD Request Number U252
Utility – Overhead electrical line

LOD Request Number U248
Utility – Overhead electrical line

LOD Request Number U249
Utility – Overhead electrical line

LOD Request Number U250
Utility – Overhead electrical line

LOD Request Number U253
Utility – Underground gas line

LOD Request Number U184
Utility – Underground gas line and overhead electrical line

LOD Request Number U185
Utility – Underground gas line

LOD Request Number U186
Utility – Guy wire and overhead electrical line

LOD Request Number U187
Utility – Underground gas line and overhead electrical line

LOD Request Number U188
Utility – Underground gas line

LOD Request Number U189
Utility – Overhead electrical line

LOD Request Number U190
Utility – Underground gas line

LOD Request Number U191
Utility – Overhead electrical line

LOD Request Number U192
Utility – Overhead electrical line

LOD Request Number U193
Utility – Overhead electrical line

LOD Request Number U194
Utility – Overhead electrical line

LOD Request Number U195
Utility – Overhead electrical line

LOD Request Number U196
Utility – Overhead electrical line and guy wire

LOD Request Number U19
Utility – Underground gas

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-30
SHEET NO. 30 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018

LOD Request Number U244
Utility – Underground sanitary, overhead electrical line, water line

LOD Request Number 53
Traffic (lighting) – Required lighting

LOD Request Number R38
Roadway – Paving

LOD Request Number U245
Utility – Guy wire

LOD Request Number U246
Utility – Guy wire

LOD Request Number U243
Utility – Overhead electrical line

LOD Request Number U242
Utility – Underground gas line, overhead electrical line

LOD Request Number U241
Utility – Overhead electrical line

LOD Request Number U240
Utility – Overhead electrical line

LOD Request Number 55
Traffic (lighting) – Required lighting

LOD Request Number U247
and overhead electrical line

LOD Request Number 52
g) – Required lighting

LOD Request Number U248
Overhead electrical line

LOD Request Number U249
rhead electrical line

LOD Request Number U203
Utility – Overhead electrical line

LOD Request Number U202
Utility – Underground gas line

LOD Request Number U201
Utility – Overhead electrical line

LOD Request Number U200
Utility – Overhead electrical line

LOD Request Number U199
Utility – Overhead electrical line

LOD Request Number U198
Utility – Underground gas line and guy wire

LOD Request Number U197
Utility – Underground gas line

LOD Request Number U196
Utility – Overhead electrical line and guy wire

LOD Request Number U204
Utility – Overhead electrical line

LOD Request Number U205
Utility – Overhead electrical line

LOD Request Number U206
Utility – Overhead electrical line

LOD Request Number U207
Utility – Overhead elelctrical line, Underground gas line and guy wire

LOD Request Number U208
Utility – Underground gas line

LOD Request Number U209
Utility – Overhead electrical line

LOD Request Number U210
Utility – Underground gas line

LOD Request Number U211
Utility – Underground gas line

LOD Request Number U212
Utility – Overhead electrical line and guy wire

LOD Request Number U213
Utility – Underground gas line

SPRINGVALE ROAD
CLOVERFIELD ROAD
GREENRIDGE DRIVE
DARTMOUTH AVENUE
WAYNE AVENUE
DALE DRIVE

MATCHLINE - SEE SHEET 30
MATCHLINE - SEE SHEET 32

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-31
SHEET NO. 31 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018

Dartmouth NCA

SCHUYLER ROAD

MATCHLINE - SEE SHEET 31

MATCHLINE - SEE SHEET 33

DALE DRIVE

WAYNE AVENUE

WAYNE PL

LOD Request Number U510
Utility – Underground electrical line

LOD Request Number U532
Utility – Underground electrical line

2B

16D

t211 t212 t213 t214 t215 t216 t217

CRZ

376+00 377+00 378+00 379+00 380+00 381+00 382+00 383+00 384+00 385+00 386+00 387+00

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B / CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD JUNE 2019

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
06	REVISED LOD AREAS AND CALCULATIONS	PD	6/12/2019
05	REVISED LOD AREAS AND CALCULATIONS	CH	1/30/19
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-32

SHEET NO. 32 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 13 June 2019

MATCHLINE - SEE SHEET 32

MATCHLINE - SEE SHEET 34

LOD Request Number U511
Utility – Underground electrical line

WAYNE AVENUE

MANSFIELD ROAD

FLEETWOOD TERRACE

SLIGO CREEK PARKWAY

SLIGO CREEK

Sligo Creek SVU 2

Sligo Cabin NP

STAND 35

STAND 35

386+00 387+00 388+00 389+00 390+00 391+00 392+00 393+00 394+00 395+00 396+00 397+00 398+00

t174 t175 t216 t217 t218 t219 t220 t221 t222 t223 t224 t225 t226 t227

2B 16D CcE

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
- SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD JUNE 2019

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
06	REVISED LOD AREAS AND CALCULATIONS	PD	6/12/2019
05	REVISED LOD AREAS AND CALCULATIONS	CH	1/30/19
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

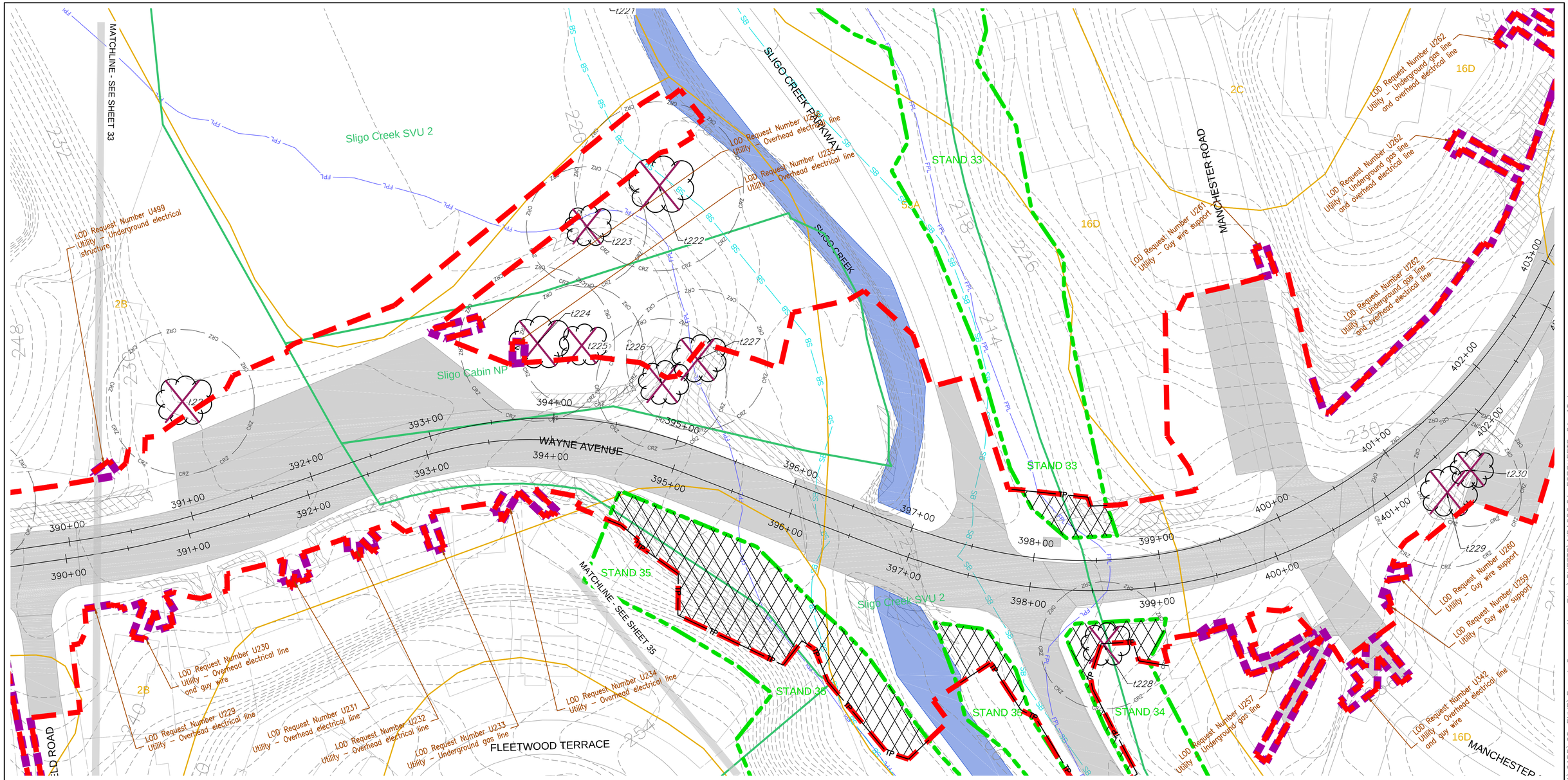
DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-33
SHEET NO. 33 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 13 June 2019



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
- t174 (CRZ) — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

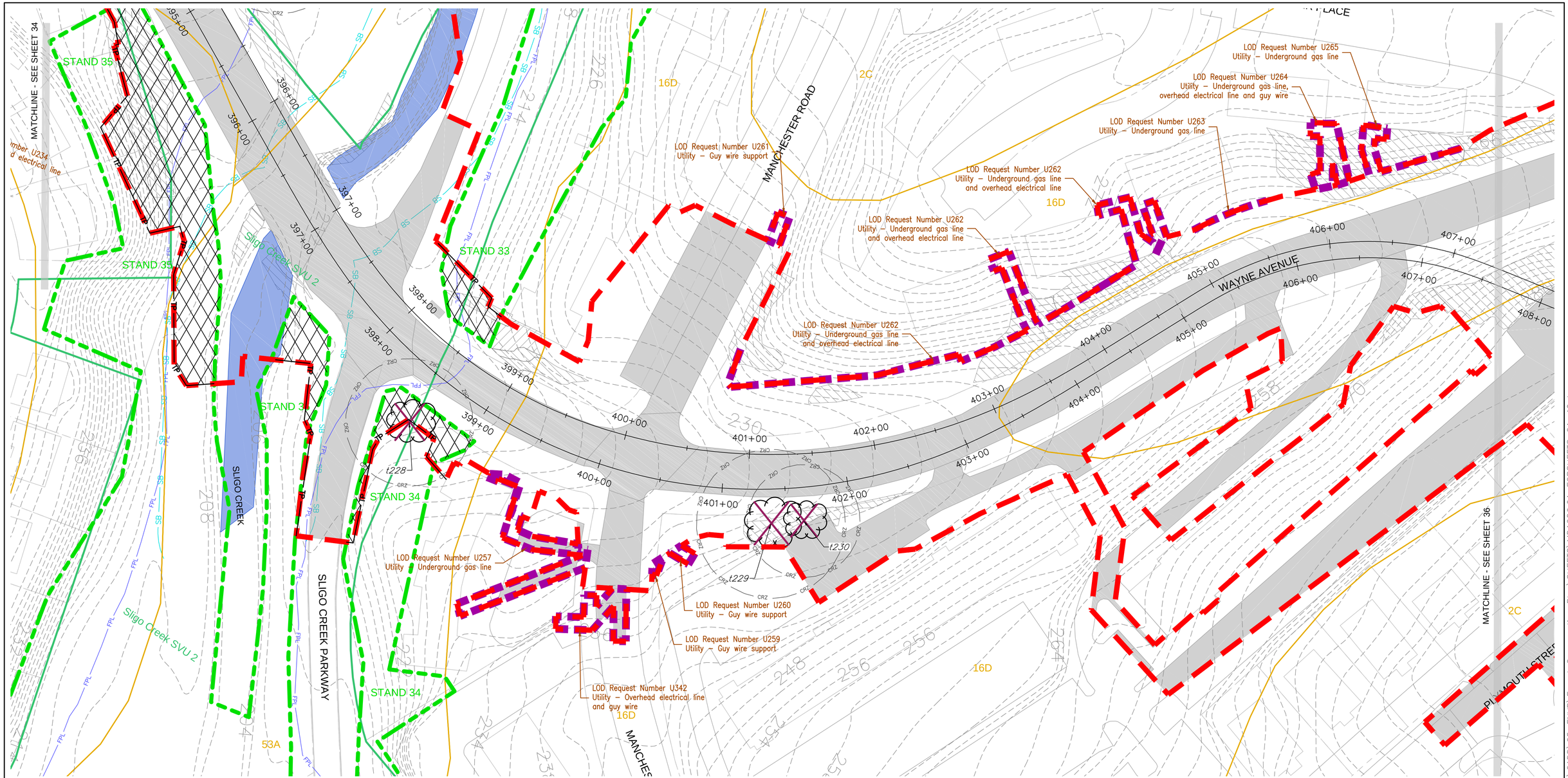
DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-34

SHEET NO. 34 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

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- SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
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- 15% SLOPES ON ERODIBLE SOILS
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- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

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July 20, 2016

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-35
SHEET NO. 35 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018

LOD Request Number M14
MOT – Resurfacing

LOD Request Number U266
Utility – Overhead electrical line

LOD Request Number U265
nd gas line

LOD Request Number U267
Utility – Overhead electrical line

MATCHLINE - SEE SHEET 35

MATCHLINE - SEE SHEET 37

BRADFORD ROAD

FLOWER AVENUE

PLYMOUTH STREET

WAYNE AVENUE

406+00 407+00 408+00 409+00 410+00 411+00 412+00 413+00 414+00 415+00 416+00 417+00 418+00

16D 2C 2B

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
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(IN FEET)
1 inch = 40 ft.

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

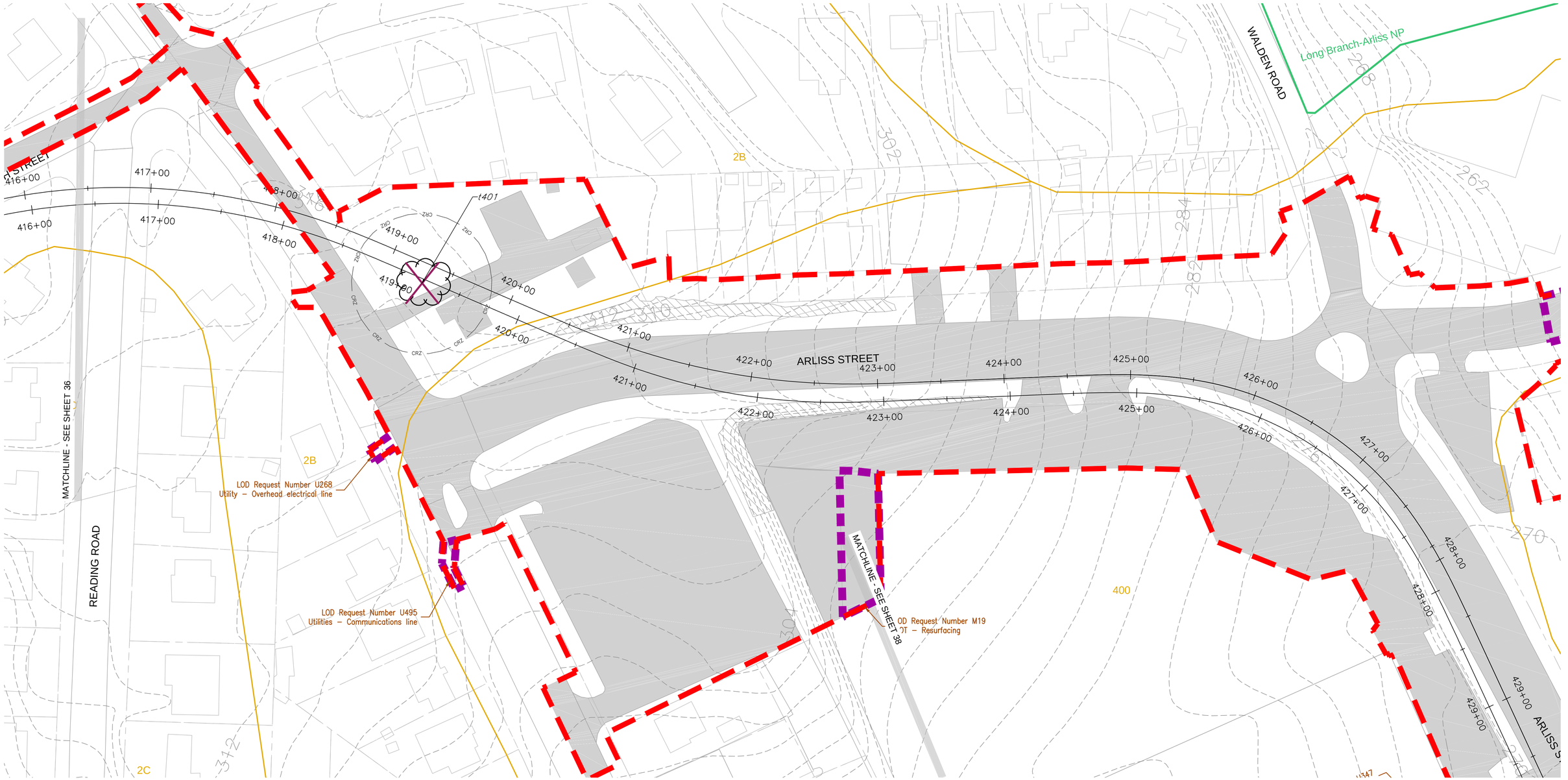
DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-36
SHEET NO. 36 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018



LEGEND

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- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

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- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
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(IN FEET)
1 inch = 40 ft.

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-37
SHEET NO. 37 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018

LOD Request Number M19
MOT – Resurfacing

MATCHLINE - SEE SHEET 37

LOD Request Number U347
Utilities – Underground water line

LOD Request Number M20
MOT – Resurfacing

GARLAND AVENUE

ARLISS STREET

LOD Request Number R41
Roadway – Sidewalk area needed

Long Branch SVU 2

Long Branch LP

MATCHLINE - SEE SHEET 39

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
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- PROPOSED TREE PROTECTION**

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MTA Maryland

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-38
SHEET NO. 38 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 38

LOD Request Number S6
Traffic (signaling) – Cabinet and equipment

LOD Request Number U348
Utilities – Overhead electrical line

LOD Request Number U349
Utilities – Overhead electrical line

LOD Request Number U351
Utilities – Underground gas line

LOD Request Number U352
Utilities – Underground gas line

LOD Request Number U353
Utilities – Underground water line

LOD Request Number U354
Utilities – Overhead electrical line and utility pole

GREENWOOD AVENUE

GARLAND AVENUE

MATCHLINE - SEE SHEET 40

431+00 432+00 433+00 434+00 435+00 436+00 437+00 438+00 439+00 440+00

1C 16D 400

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**
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- AREAS ADDED TO LOD MARCH 2018

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

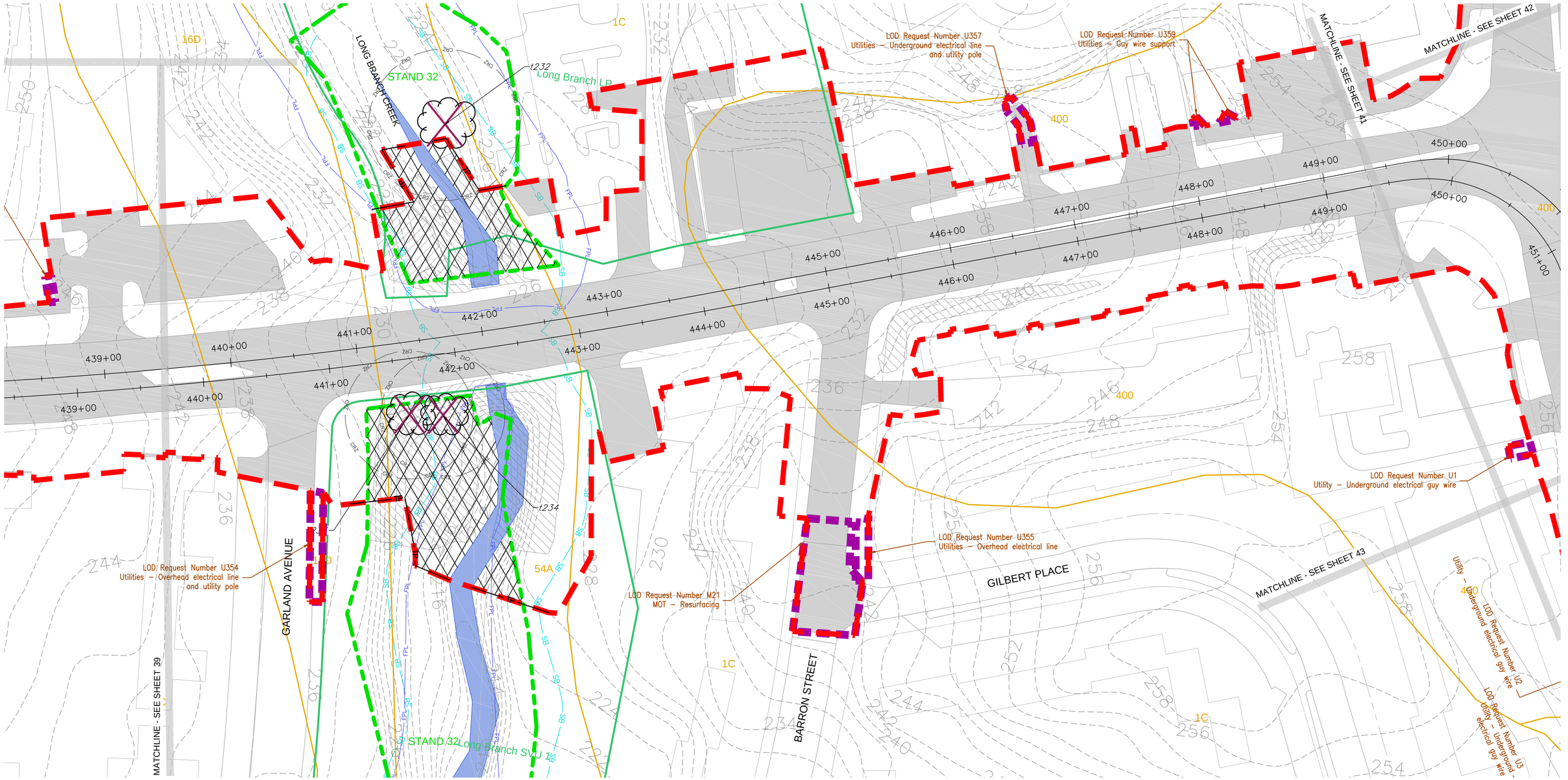
DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-39
SHEET NO. 39 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018



LEGEND

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- PROPOSED TREE PROTECTION**

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- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-40
SHEET NO. 40 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
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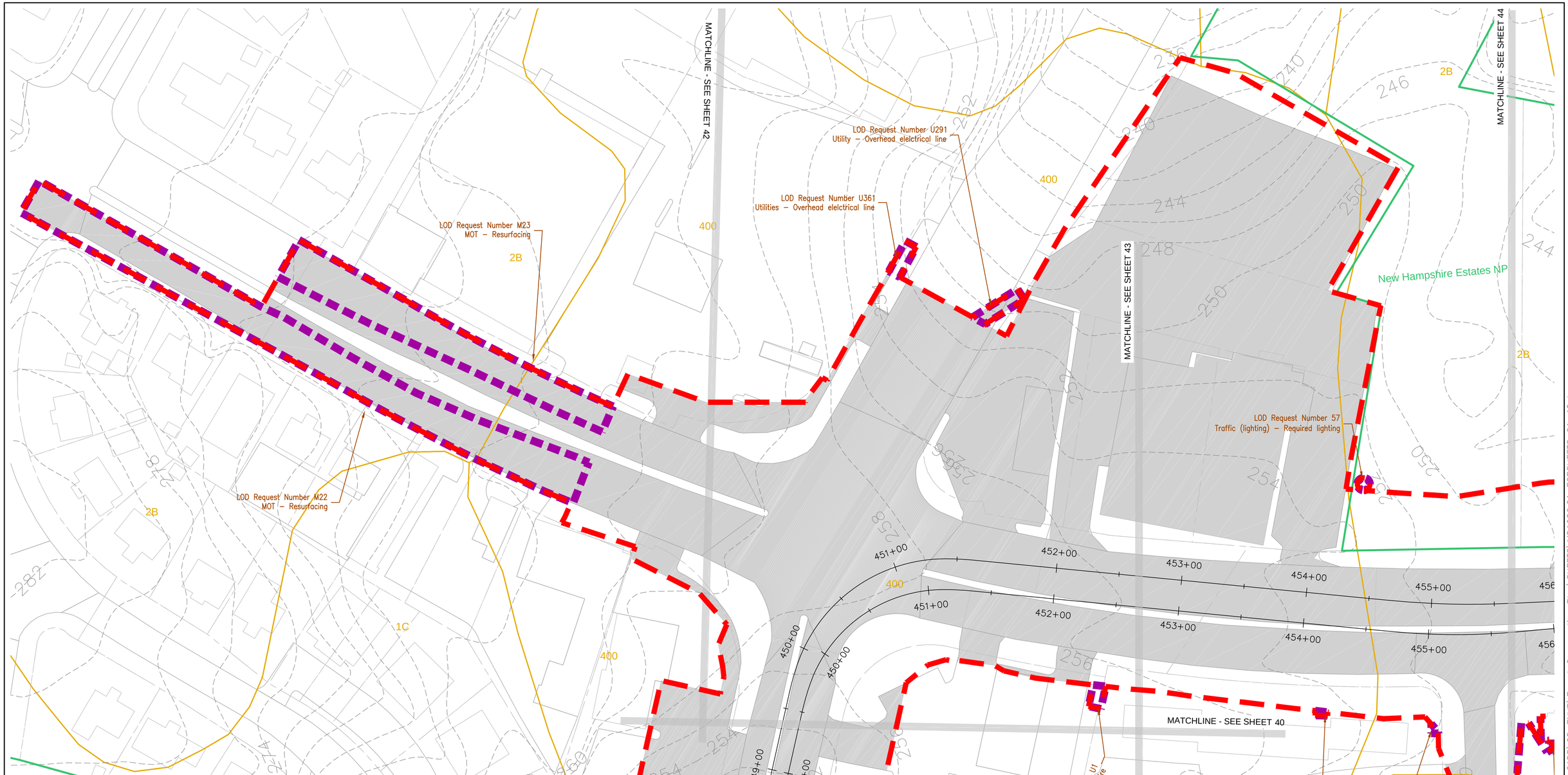

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

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2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

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PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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REVISIONS

DESGN CJH
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FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-41

SHEET NO. 41 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
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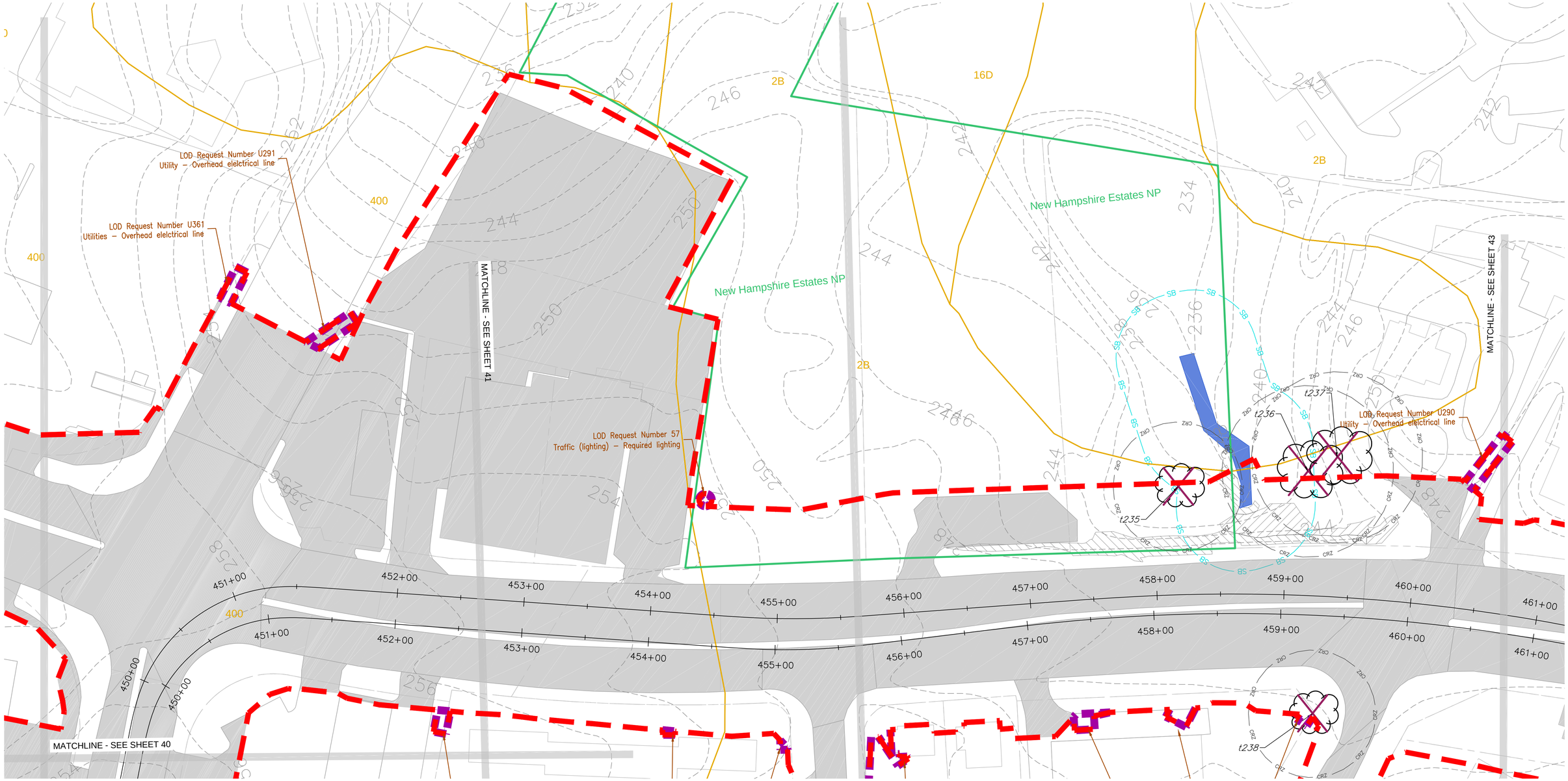

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

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PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

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03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

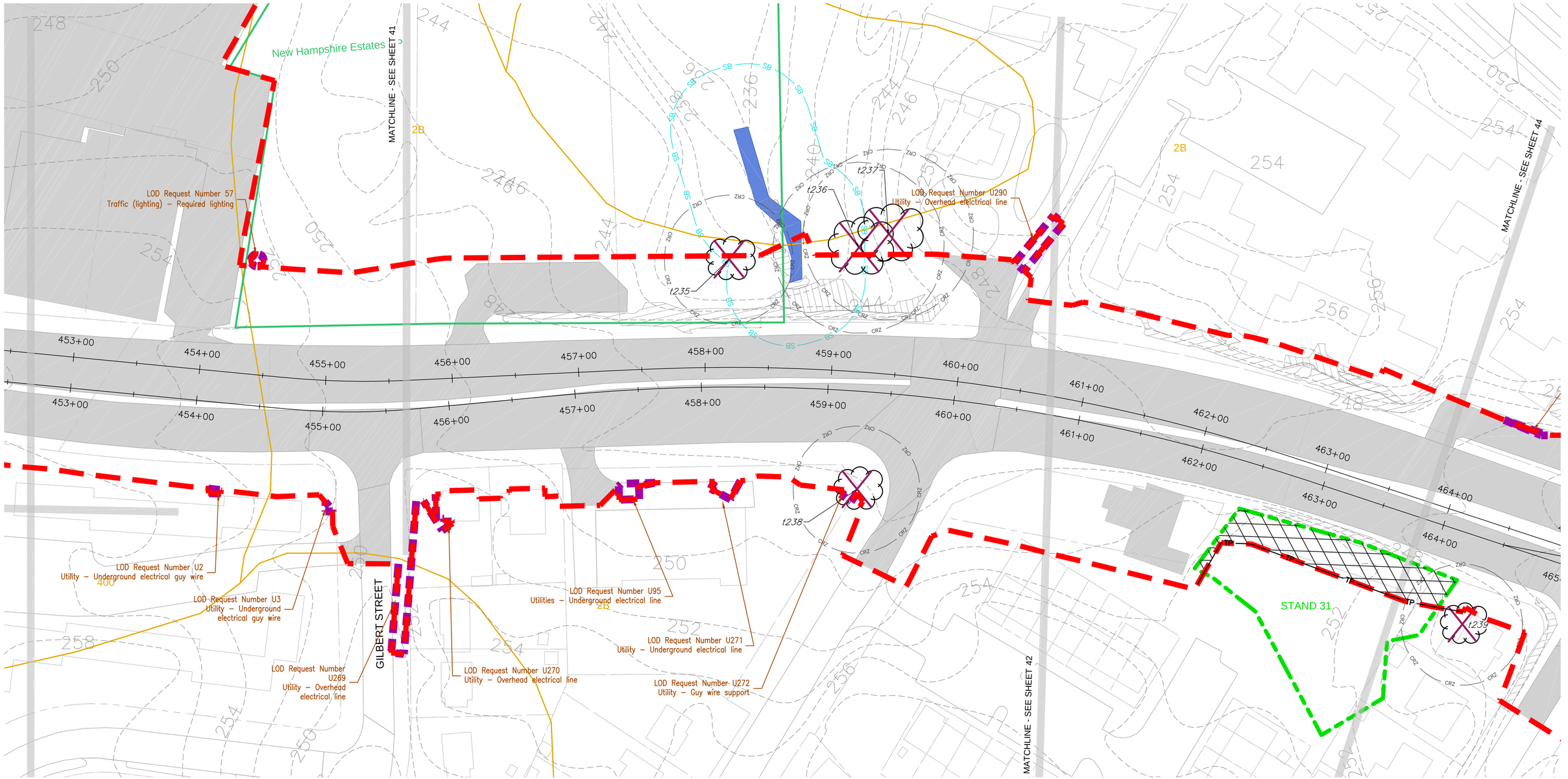
DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-42

SHEET NO. 42 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_21-40.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-43
SHEET NO. 43 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD01286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

OSAGE STRE

CARROLL AVENUE

NAVAHOE DRIVE

MATCHLINE - SEE SHEET 45

LOD Request Number M24
MOT – Resurfacing

LOD Request Number U10
Utility – Underground electrical line

LOD Request Number U9
Utilities – Underground electrical line

LOD Request Number U11
Utility – Underground electrical line

LOD Request Number U274
Utilities – Overhead electrical line

LOD Request Number U275
Utility – Overhead electrical line

LOD Request Number U276
Utility – Overhead electrical line

LOD Request Number U363
Utilities – Overhead elelctrical line

LOD Request Number U94
Utilities – Guy wire support

MATCHLINE - SEE SHEET 43

BAYFIELD STREET

FORSTON STREET

Takoma Academy LP

2B

t239 t240 t241 t242 t243 t244

TP

CRZ

464+00 465+00 466+00 467+00 468+00 469+00 470+00 471+00 472+00 473+00 474+00 475+00 476+00

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-44
SHEET NO. 44 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

LOD Request Number 58
Traffic (lighting) – Required lighting

LOD Request Number U308
Utility – Overhead elelctrical line

LOD Request Number U307
Utility – Overhead elelctrical line

LOD Request Number U306
Utility – Overhead elelctrical line

LOD Request Number U293
Utility – Overhead elelctrical line

NAVAHOE DRIVE

MERRIMAC DRIVE

MONTGOMERY COUNTY

PRINCE GEORGES COUNTY

LEBANON

MATCHLINE - SEE SHEET 46

UNIVERSITY BOULEVARD

474+00 475+00 476+00 477+00 478+00 479+00 480+00 481+00 482+00 483+00 484+00 485+00 486+00

LOD Request Number U295
Utility – Overhead elelctrical line

LOD Request Number 61
Roadway – Driveway to Falcon Fuel

LOD Request Number U119
Utility – Guy wire

LOD Request Number U12
Utility – Underground electrical line

LOD Request Number L20
Traffic – Lighting

LOD Request Number U294
Utility – Overhead elelctrical line

LOD Request Number M25
MDT – Resurfacing

MERRIMAC DRIVE

MATCHLINE - SEE SHEET 44

LOD Request Number U297
Utility – Overhead elelctrical line

LOD Request Number U298
Utility – Overhead elelctrical line

LOD Request Number U296
Utility – Overhead elelctrical line

LOD Request Number U299
Utility – Overhead elelctrical line

LOD Request Number U300
Utility – Overhead elelctrical line

LOD Request Number U126
Utilities – Overhead electrical line and guy wire support

LOD Request Number U302
Utility – Overhead elelctrical line

GfB

Un

HAMMOND AVENUE

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ t174 CRZ — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
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July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN
DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-45
SHEET NO. 45 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

MATCHLINE THIS SHEET

LOD Request Number U500
Utility – Underground electrical line

LOD Request Number M27
MOT – Resurfacing

NEW HAMPSHIRE AVENUE

LOD Request Number M26
MOT – Resurfacing

MATCHLINE - SEE SHEET 45

MATCHLINE - SEE SHEET 47

PRINCE GEORGES COUNTY

MONTGOMERY COUNTY

UNIVERSITY BOULEVARD

6+00 487+00 488+00 489+00 490+00 491+00 492+00 493+00 494+00 495+00 496+00 497+00 498+00

ANNE STREET

LOD Request Number U303
Utility – Underground gas line

Un

MATCHLINE THIS SHEET

NEW HAMPSHIRE AVE

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- 50 — 50-FT STREAM BUFFER
- 25 — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

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03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-46
SHEET NO. 46 OF 100

L:_Maryland_Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
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EDWARDS PLACE

14TH AVENUE

UNIVERSITY BOULEVARD

UNIVERSITY

MONTGOMERY COUNTY

PRINCE GEORGES COUNTY

MATCHLINE - SEE SHEET 46

MATCHLINE - SEE SHEET 48

Un

CbB

CbD

CdD

LOD Request Number U75
Utility – Guy wire support

LOD Request Number U127
Utility – Underground gas line

LOD Request Number U73
Utility – Underground electric and gas line

LOD Request Number U74
Utility – Guy wire support

496+00 497+00 498+00 499+00 500+00 501+00 502+00 503+00 504+00 505+00 506+00 507+00

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

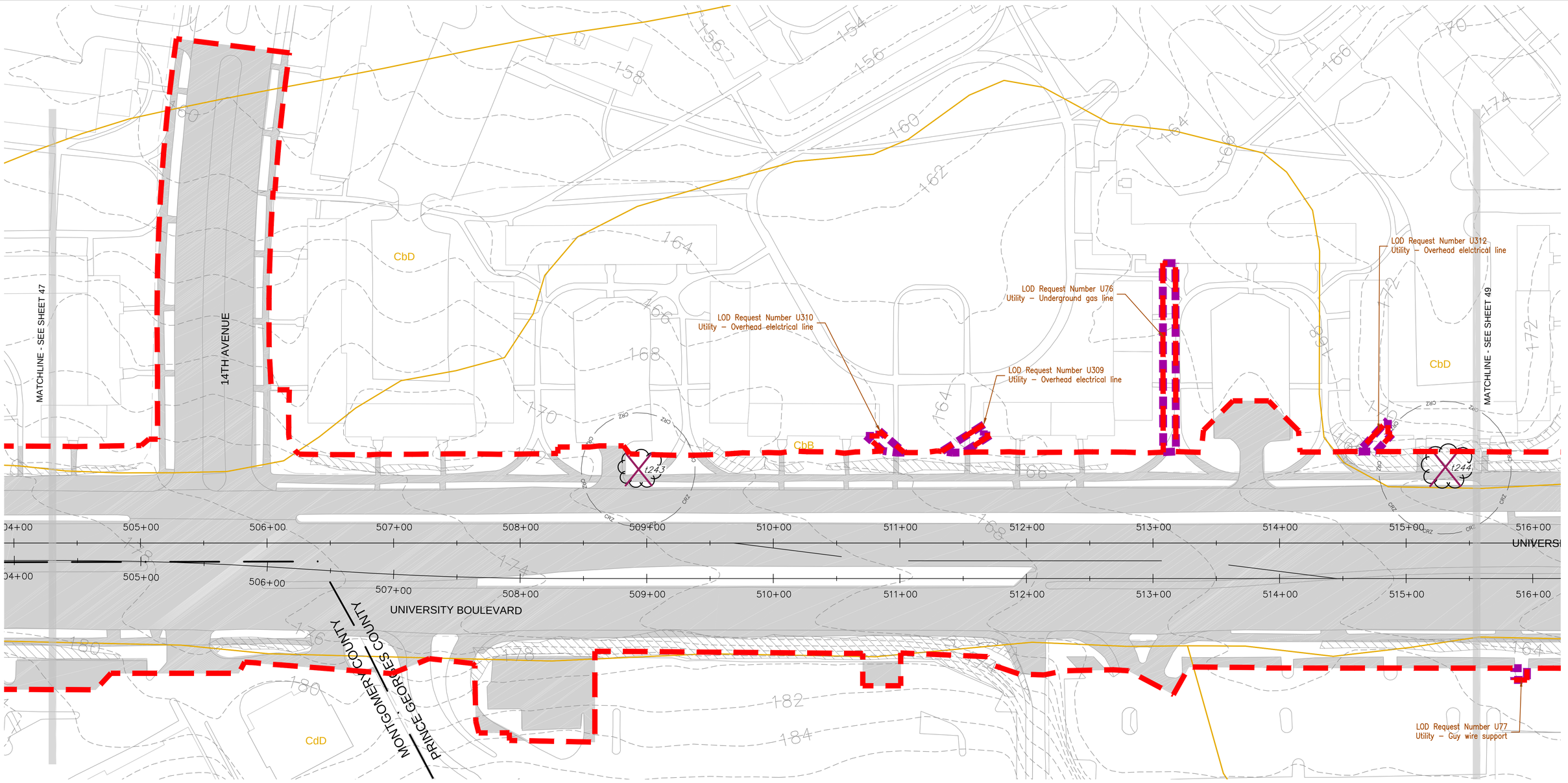
DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-47
SHEET NO. 47 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK CAC
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-48
SHEET NO. 48 OF 100

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PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 50

LOD Request Number U312
Utility – Overhead elelctrical line

LOD Request Number U96
Utility – Underground gas line

LOD Request Number U80
Utility – Underground gas line

LOD Request Number U81
Utility – Underground gas line

15TH AVENUE

CbD

Un

515+00 516+00 517+00 518+00 519+00 520+00 521+00 522+00 523+00 524+00 525+00 526+00 527+00

UNIVERSITY BOULEVARD

LOD Request Number U77
Utility – Guy wire support

LOD Request Number U79
Utility – Guy wire support

LOD Request Number U311
Utility – Overhead elelctrical line

MATCHLINE - SEE SHEET 48

MATCHLINE - SEE SHEET 51

RuB

UrcD

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

50-FT STREAM BUFFER

25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-49
SHEET NO. 49 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 49

JASMINE TERRACE

RIGGS ROAD

LOD Request Number M28
MOT – Resurfacing

LOD Request Number U80
Utility – Underground gas line

LOD Request Number U81
Utility – Underground gas line

CbD

CbB

Un

522+00

523+00

524+00

ERSITY BOULEVARD

MATCHLINE - SEE SHEET 51

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ t174 CRZ — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

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25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100–YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

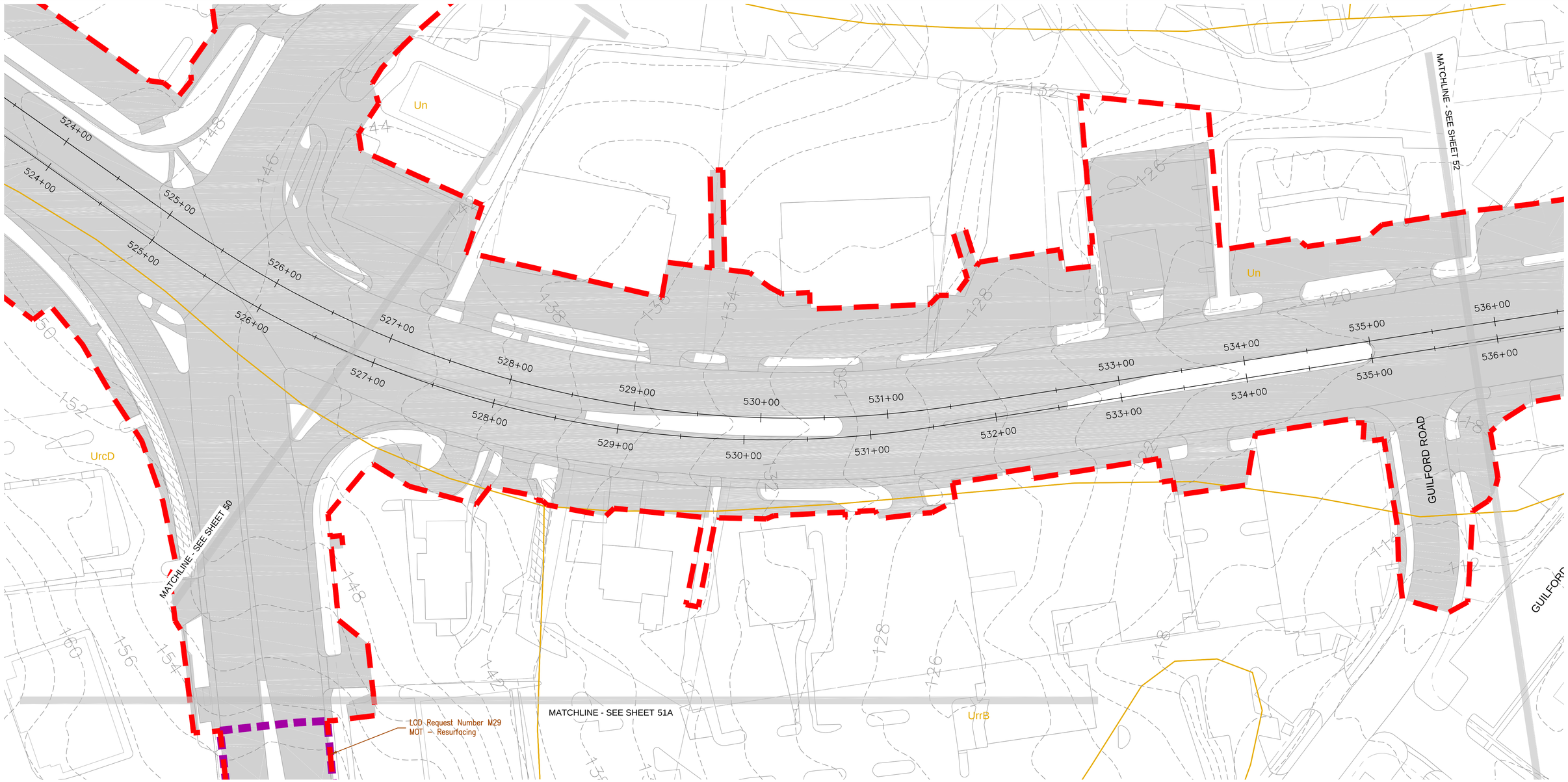
DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-50

SHEET NO. 50 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-51
SHEET NO. 51 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 51

MATCHLINE - SEE SHEET 52

LOD Request Number M29
MOT – Resurfacing

RIGGS ROAD

GUILFORD ROAD

GUILFORD RO

FORDHA

UrrB

UrrD

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B
CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

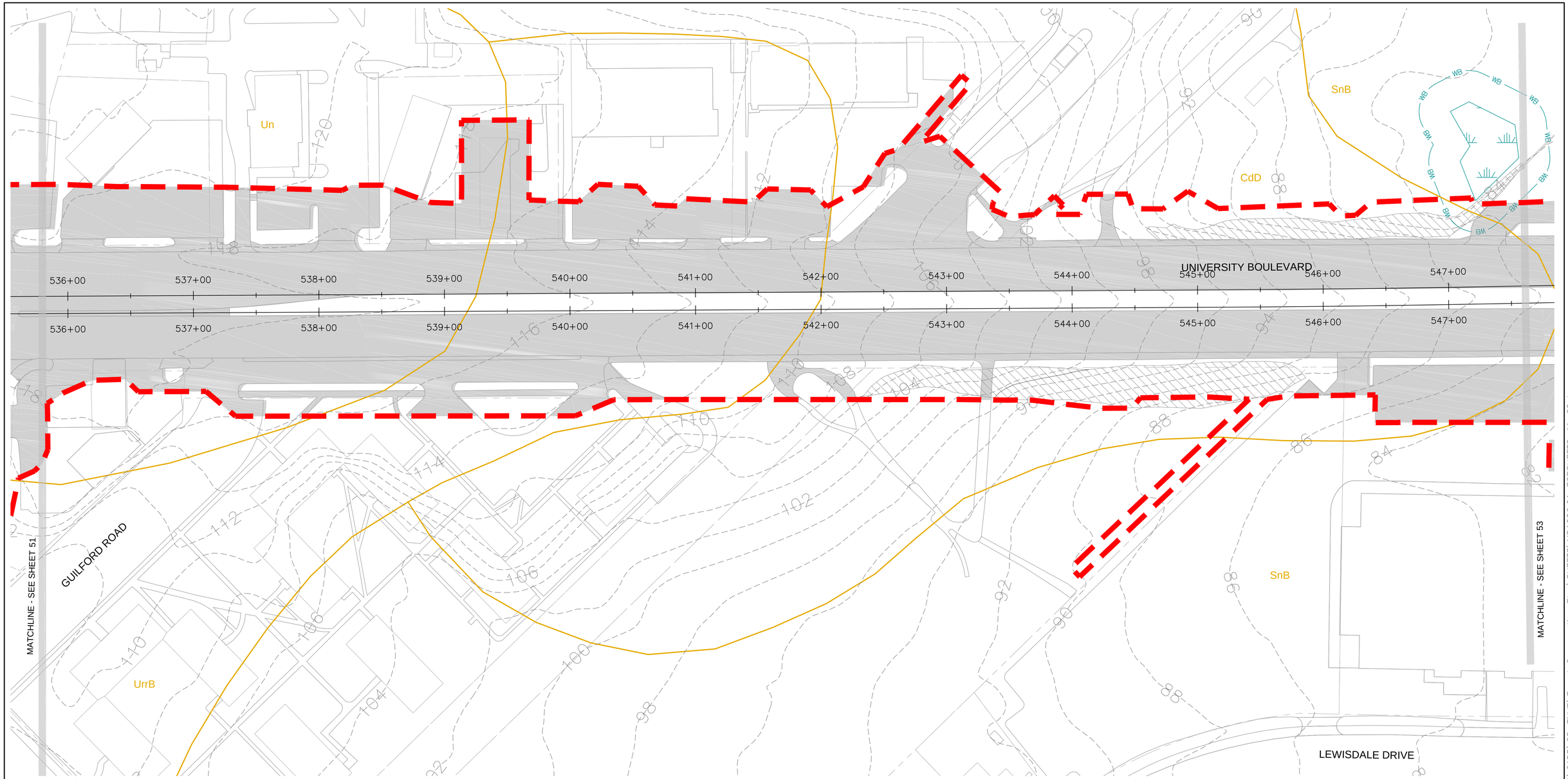
DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-51A
SHEET NO. 51A OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 (CRZ, DBH) — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- 50 — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-52
SHEET NO. 52 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

MATCHLINE - THIS SHEET

LOD Request Number 60
Roadway – Reconstruct driveway

24TH AVENUE

UrwB

UNIVERSITY BOULEVARD

548+00 549+00 550+00 551+00 552+00 553+00 554+00 555+00 556+00 557+00 558+00 559+00

MATCHLINE - SEE SHEET 52

3RD AVENUE

MATCHLINE - SEE SHEET 54

MATCHLINE - THIS SHEET

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 (CRZ) — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
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- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
	REVISIONS		
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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-53
SHEET NO. 53 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

JUDSON STREET

MATCHLINE - SEE SHEET 53

WEST PARK DRIVE

NORTHWEST BRANCH

MATCHLINE - SEE SHEET 55

Adelphi Manor Park Building

STAND 30

UNIVERSITY BOULEVARD

560+00 561+00 562+00 563+00 564+00 565+00 566+00 567+00 568+00 569+00 570+00 571+00

Northwest Branch Stream Valley Park

Lane Manor Aquatic Center

STAND 29

WEST BRANCH

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
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- 2B CcE — SOILS BOUNDARY AND LABEL
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- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
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- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

July 20, 2016

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

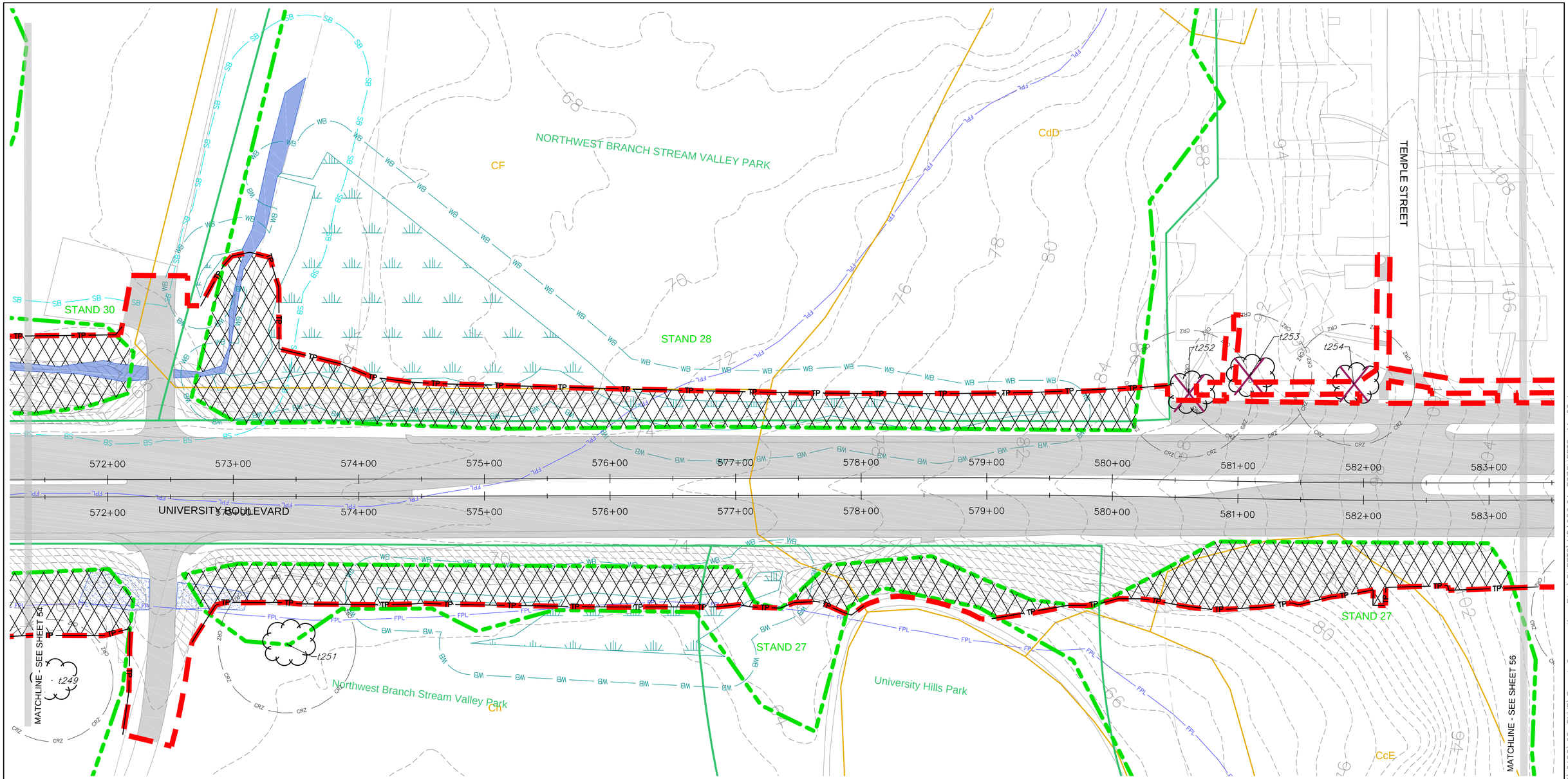
DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-54

SHEET NO. 54 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD11286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD11286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
- SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- 50-FT STREAM BUFFER
- 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

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July 20, 2016

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(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

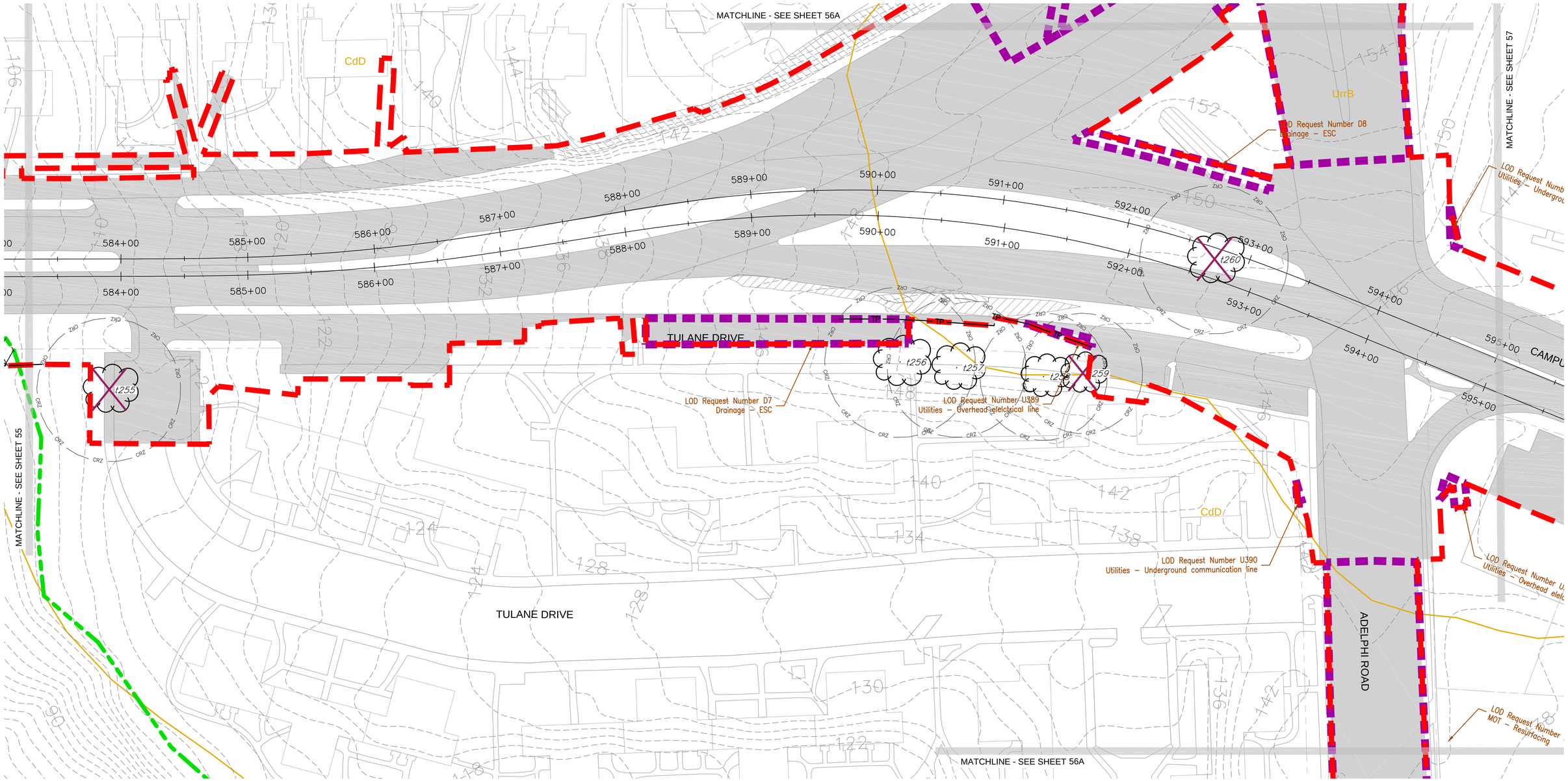
DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-55

SHEET NO. 55 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 (CRZ) — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-56
SHEET NO. 56 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

ADELPHI ROAD

UNIVERSITY BOULEVARD

ADELPHI COURT

LOD Request Number U401
Utilities – Overhead elelctrical line

LOD Request Number M30
MOT – Resurfacing

MATCHLINE - SEE SHEET 56

MATCHLINE - SEE SHEET 56

LOD Request Number M31
MOT – Resurfacing

LOD Request Number U402
Utilities – Overhead elelctrical line

ADELPHI ROAD

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ · t174 · CRZ — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B / CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

50 — 50-FT STREAM BUFFER

25 — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-56A

SHEET NO. 56A OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

LOD Request Number
MOT – Resurfacing

MATCHLINE - SEE SHEET 56

LOD Request Number U399
Utilities – Underground communication line

LOD Request Number U400
Utilities – Underground communication line

LOD Request Number U398
Utilities – Underground communication line

LOD Request Number U397
Utilities – Underground communication line

LOD Request Number D8
Drainage – ESC

UrrB

CAMPUS DRIVE

593+00 594+00 595+00 596+00 597+00 598+00 599+00 600+00 601+00 602+00 603+00 604+00 605+00

PRESIDENTIAL DRIVE

MATCHLINE - SEE SHEET 59A

MATCHLINE - SEE SHEET 59

t260 t261 t262 t263 t264 t265

LOD Request Number U391
Utilities – Overhead elelctrical line

LOD Request Number D9
Drainage – ESC

LOD Request Number U394
Utilities – Guy wire support

LOD Request Number U392
Utilities – Overhead elelctrical

LOD Request Number U390
Utilities – Underground communication line

LOD Request Number M31
MOT – Resurfacing

CdD

ADELPHI RO

STAND 26

LOD R
Utilities
and gr

MATCHLINE - SEE SHEET 58

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-57
SHEET NO. 57 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 59A

MATCHLINE - SEE SHEET 59

MATCHLINE - SEE SHEET 57

PRESIDENTIAL DRIVE

CAMPUS DRIVE

601+00

602+00

603+00

604+00

605+00

t265

t264

UrrB

UrbB

MpB

RuB

LOD Request Number M32
MOT – Resurfacing

LOD Request Number U395
Utilities – Overhead electrical line and guy wire

U394
support

STAND 26

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
	REVISIONS		
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-58

SHEET NO. 58 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 59A

MATCHLINE - SEE SHEET 58

MATCHLINE - SEE SHEET 60

PRESIDENTIAL DRIVE

VALLEY DRIVE

MOWATT LANE

CAMPUS DRIVE

UrrB

UrbB

Un

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

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25% SLOPES

15% SLOPES ON ERODIBLE SOILS

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PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

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MTA Maryland

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-59

SHEET NO. 59 OF 100

L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 59A

MATCHLINE - SEE SHEET 61

MATCHLINE - SEE SHEET 59

VALLEY DRIVE

MOWATT LANE

UNION DRIVE

CAMPUS DRIVE

Un

UrbB

RuB

614+00 615+00 616+00 617+00 618+00 619+00 620+00 621+00 622+00 623+00

611+00 612+00 613+00 614+00 615+00 616+00 617+00 618+00 619+00 620+00 621+00 622+00 623+00

156 158 160 162 164 166 168 170 172 174 176 178

SB

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

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CRZ t174 CRZ — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

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25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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(IN FEET)
1 inch = 40 ft.

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-60
SHEET NO. 60 OF 100

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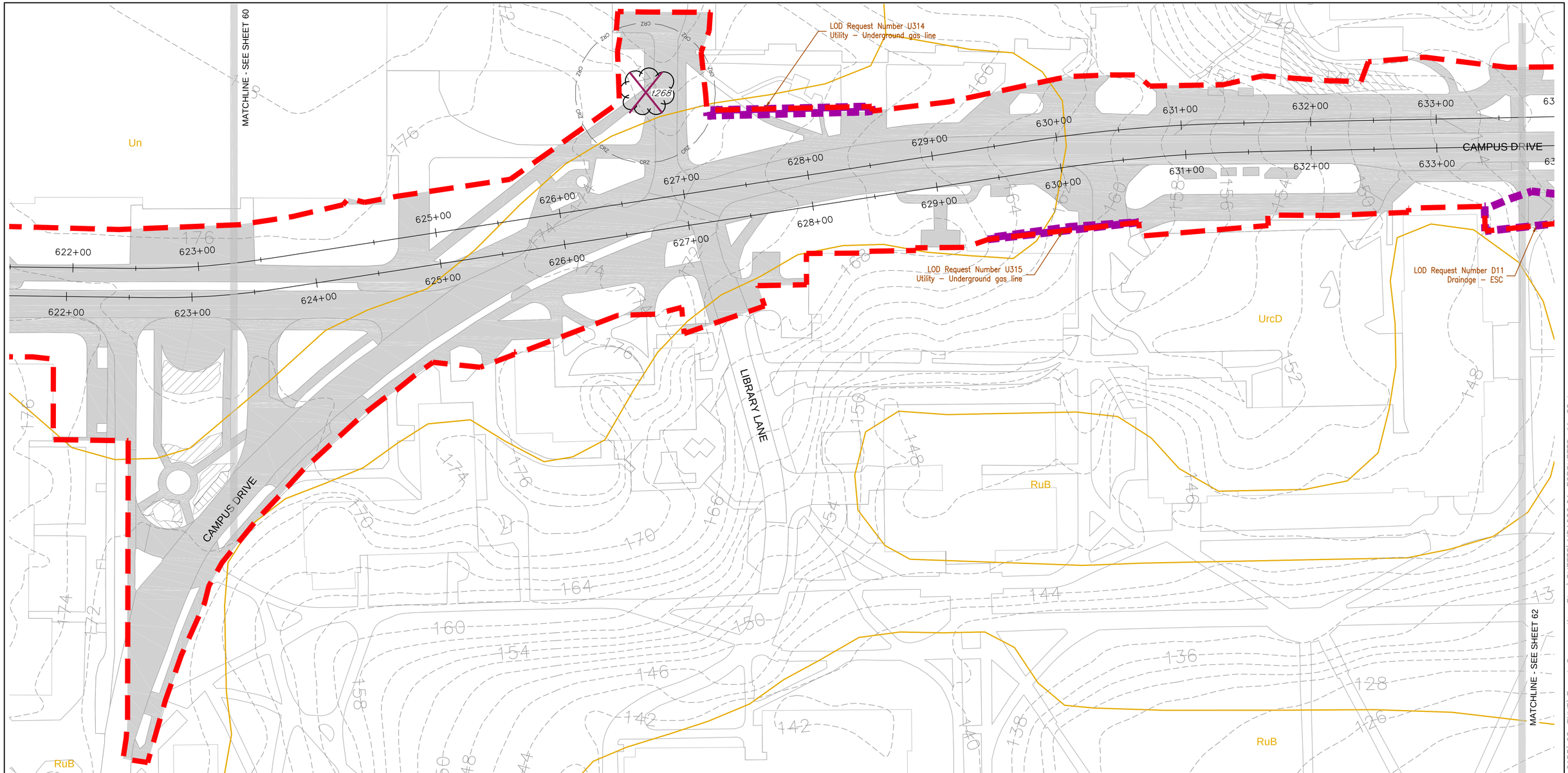
PRINTED ON: 3 May 2018



LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

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t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

MTA Maryland

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-61

SHEET NO. 61 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

LOD Request Number D02
Utilities – Underground water line

634+00 635+00 636+00 637+00 638+00 639+00 640+00 641+00 642+00 643+00 644+00 645+00 646+00

US DRIVE

MATCHLINE - SEE SHEET 63

D11
ESC

LOD Request Number D12
Drainage – ESC

LOD Request Number D13
Drainage – ESC

LOD Request Number D14
Drainage – ESC

UrcD

REGENTS DRIVE

MATCHLINE - SEE SHEET 64

LOD Request Number D15
Drainage – Construct drainage swale

RuB
LOD Request Number D16
Drainage – Construct drainage swale

LOD Request Number M33
MOT – Resurfacing

ADMINISTRATION CIRCLE

MATCHLINE - SEE SHEET 61

t269 t270 t271 t272 t273 t274 t275 t276 t277 t278

CRZ

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
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July 20, 2016

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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-62
SHEET NO. 62 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_41-60.dwg
PRINTED ON: 3 May 2018

REGENTS DRIVE

CAMPUS DRIVE

LOD Request Number U319
Utility – Underground water line

LOD Request Number M34
MOT – Resurfacing

MATCHLINE - SEE SHEET 62

MATCHLINE - SEE SHEET 64

638+00 639+00 640+00 641+00 642+00 643+00

t269 t270

UrcD WoB Un

LEGEND

STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ t174 SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

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OPEN WATER

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15% SLOPES ON ERODIBLE SOILS

100-YEAR FLOODPLAIN

PARK COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

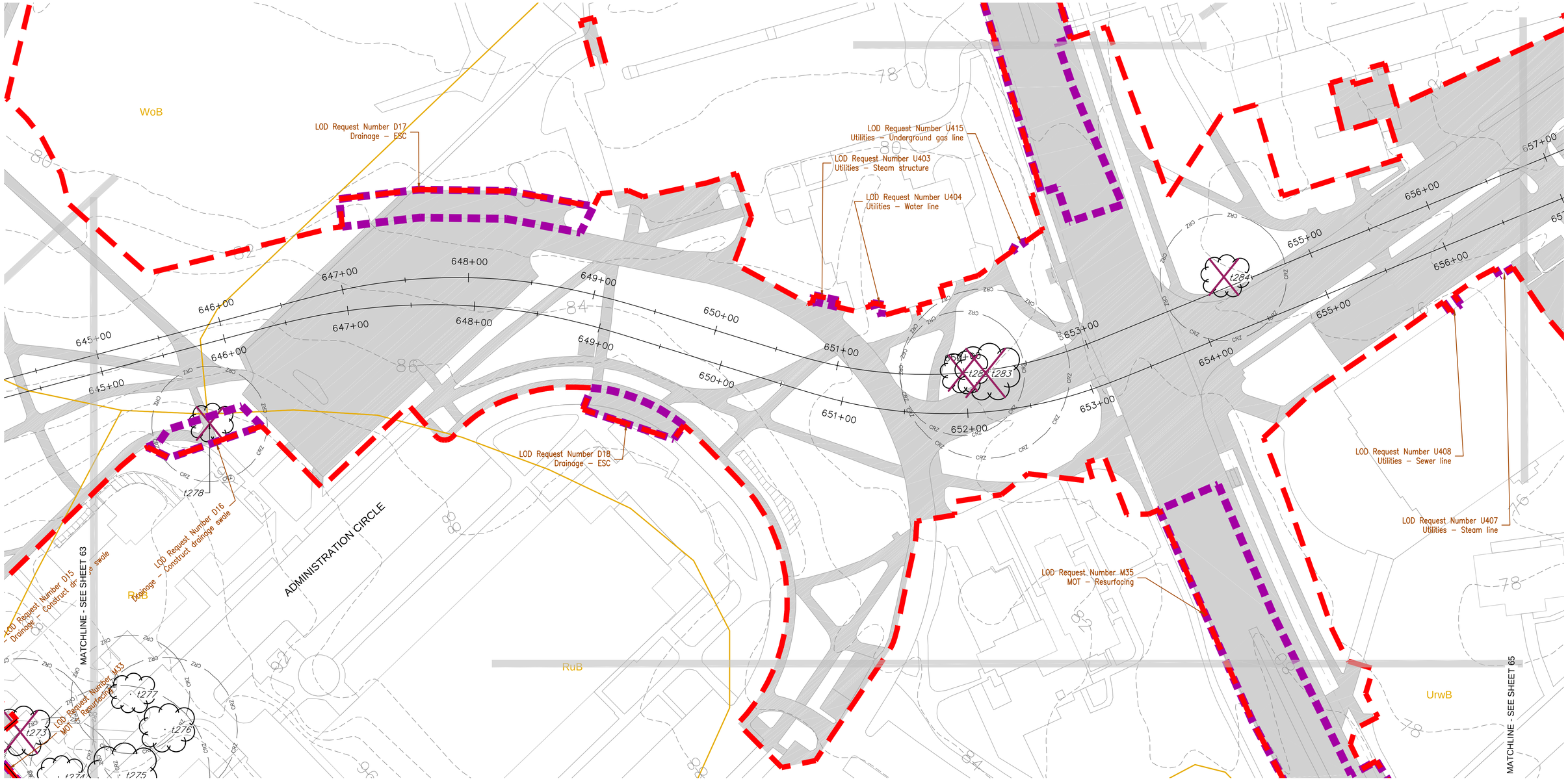
DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-63
SHEET NO. 63 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 (CRZ) — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
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- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-64
SHEET NO. 64 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 64

RuB

UrwB

LOD Request Number M35
MOT – Resurfacing

LOD Request Number M35
MOT – Resurfacing

ADMINISTRATION CIRCLE

t279 t280 t281

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

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2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

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PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-64A

SHEET NO. 64A OF 100

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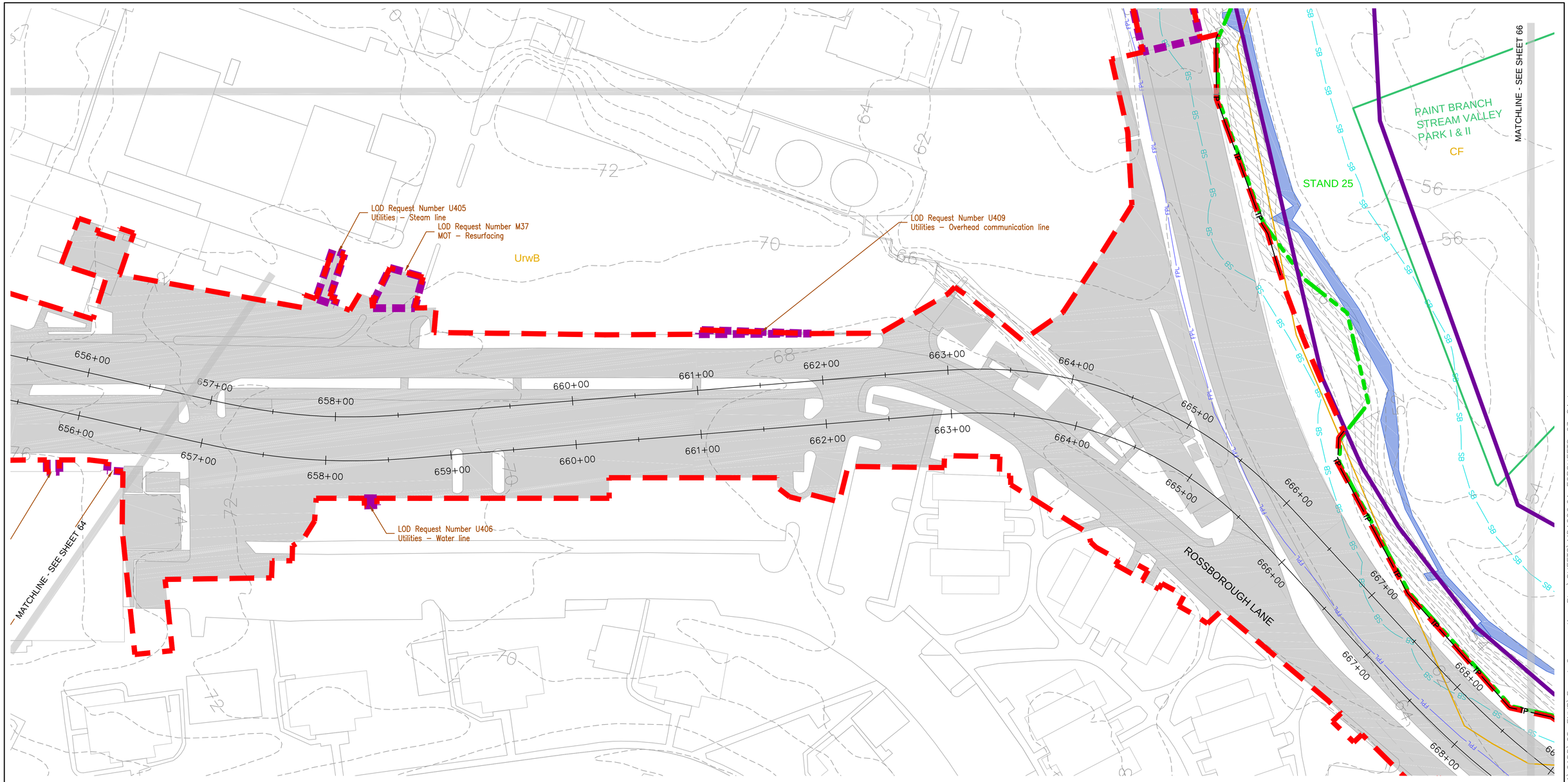

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**

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GRAPHIC SCALE
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(IN FEET)
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REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-65
SHEET NO. 65 OF 100

L:_Maryland_Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
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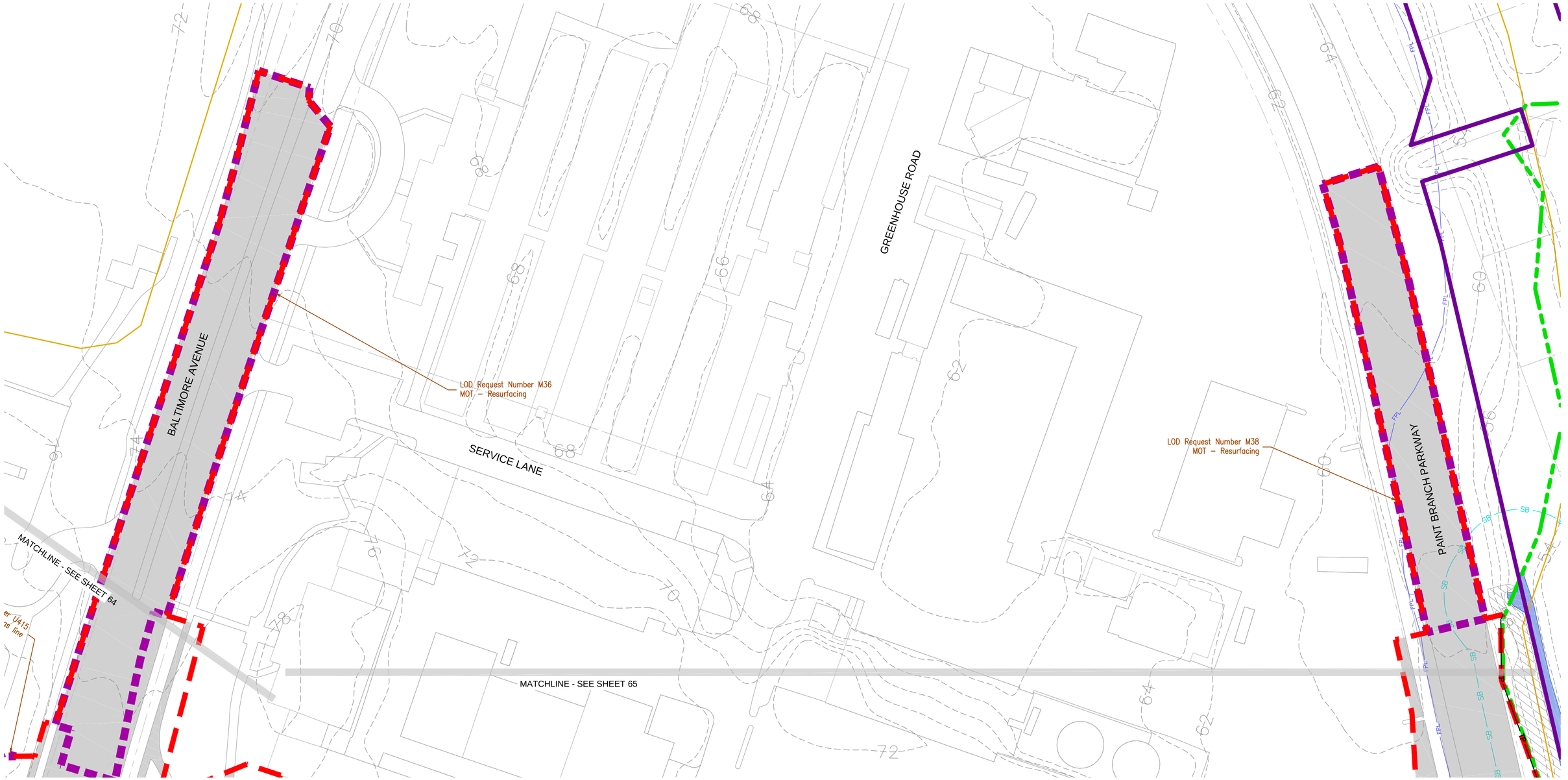

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**
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GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

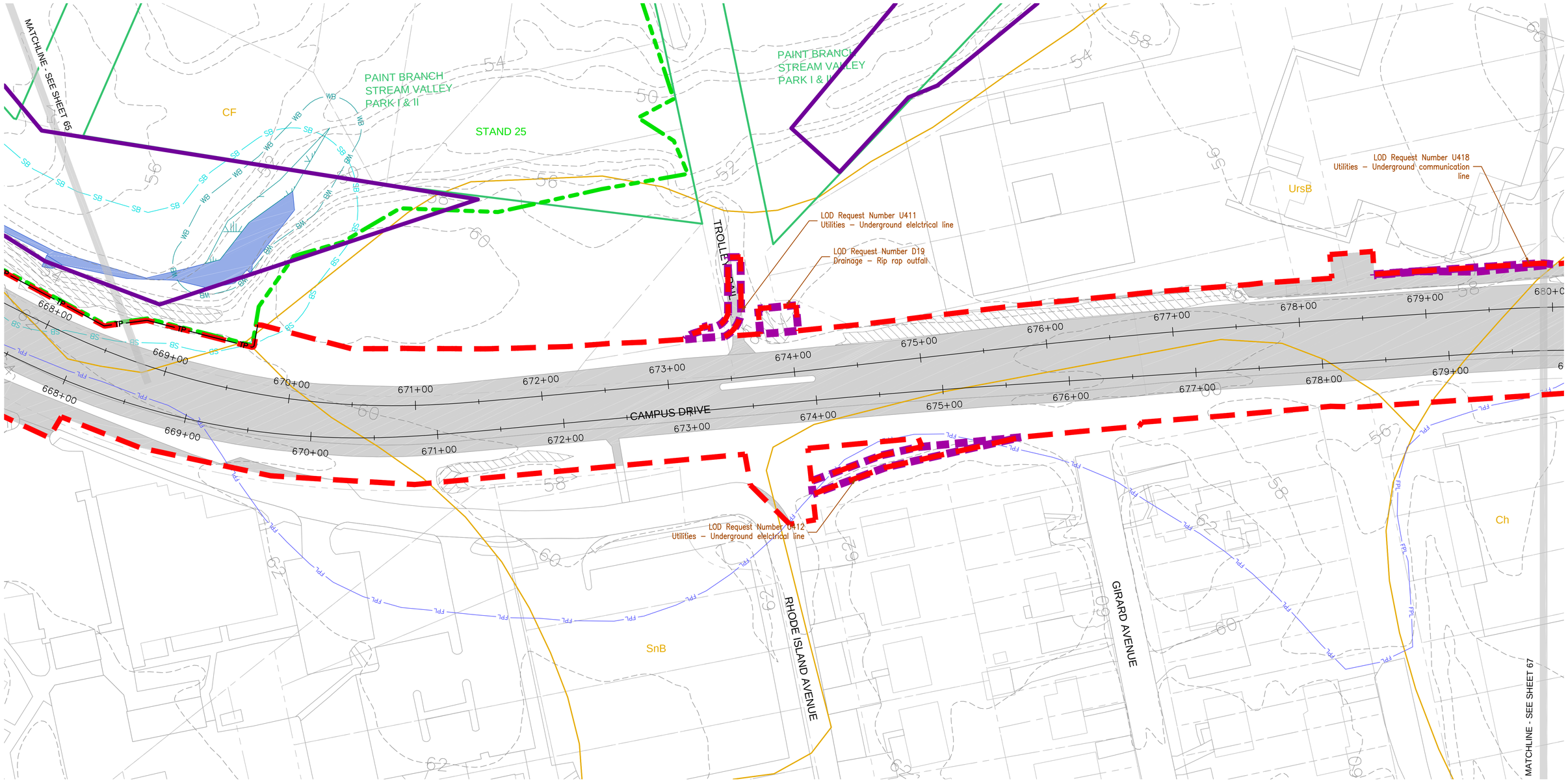
DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-65A
SHEET NO. 65A OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_61-80.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
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FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-66

SHEET NO. 66 OF 100

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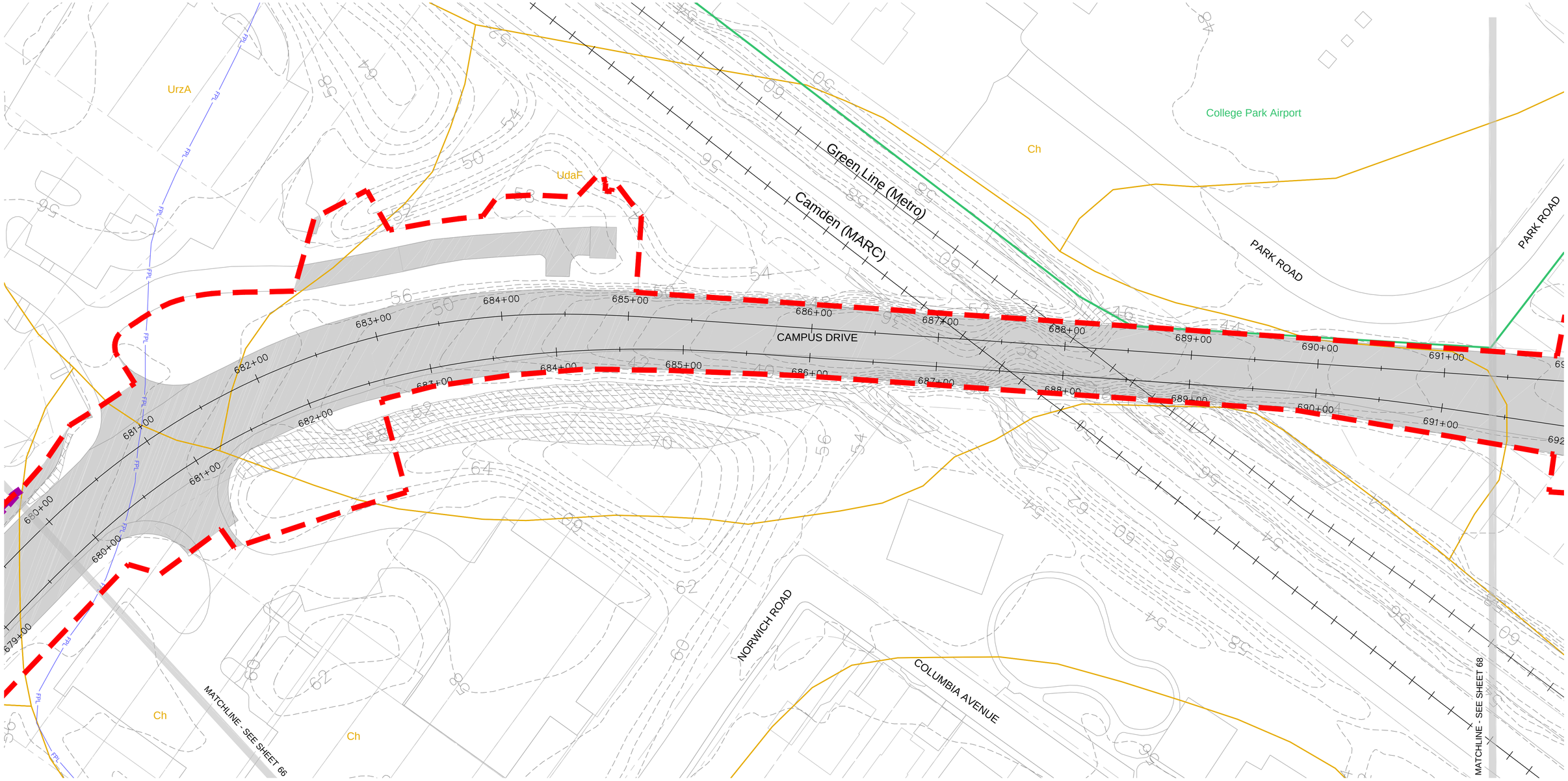
PRINTED ON: 3 May 2018



LEGEND

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- PARK — COUNTY PARK LAND BOUNDARY & LABEL
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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-67
SHEET NO. 67 OF 100

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MATCHLINE THIS SHEET

LOD Request Number U413
Utilities – Overhead elelctrical line

LOD Request Number M39
MOT – Resurfacing

LOD Request Number M40
MOT – Resurfacing

Traffic – Signals

LOD Request Number SG7
Traffic – Signals

CAMPUS DRIVE

691+00 692+00 693+00 694+00 695+00 696+00 697+00 698+00 699+00 700+00

MATCHLINE - SEE SHEET 67

RIVER ROAD

MATCHLINE - SEE SHEET 69

FRANK SCOTT DRIVE

LOD Request Number SG11
Traffic – Signals

LOD Request Number SG10
Traffic – Signals

LOD Request Number SG8
Traffic – Signals

LOD Request Number SG9
Traffic – Signals

MATCHLINE THIS SHEET

LOD Request Number M40
MOT – Resurfacing

Zn

LEGEND

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- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
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- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
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1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. a DAVEY company

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REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-68
SHEET NO. 68 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
PRINTED ON: 3 May 2018

RIVER ROAD

MATCHLINE - SEE SHEET 68

RIVER ROAD

Zn

UreB

AnB

STAND 24

TP

TP

700+00

701+00

702+00

703+00

704+00

705+00

706+00

707+00

708+00

709+00

710+00

711+00

712

t254

t286

EuB

Green Line (Metro)

Camden (MARC)

Calvert Park

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

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CRZ · t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

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WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-69

SHEET NO. 69 OF 100

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PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 69

MATCHLINE - SEE SHEET 71

RIVER ROAD

LOD Request Number L21
Traffic – Lighting

STAND 24

AuB

Green Line (Metro)

Camden (MARC)

712+00 713+00 714+00 715+00 716+00 717+00 718+00 719+00 720+00 721+00 722+00 723+00 724+00 725+00

t288 t289 t290 t291 t292

LEGEND

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REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-70
SHEET NO. 70 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
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LOD Request Number U422
Utility – Underground water line

LOD Request Number U423
Utility – Underground gas line

LOD Request Number U421
Utility – Underground electrical line

RIVER ROAD

PHYSICS ELLIPSE

RIVERTECH COURT

MATCHLINE - SEE SHEET 70

MATCHLINE - SEE SHEET 72

STAND 23

STAND 22

EsA

UdbD

BuB

RuB

EsB

723+00 724+00 725+00 726+00 727+00 728+00 729+00 730+00 731+00 732+00 733+00 734+00 735+00

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ t174 250 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

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25% SLOPES

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FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
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FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-71
SHEET NO. 71 OF 100

C:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP_SHEETS_63-84.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 71

MATCHLINE THIS SHEET

MATCHLINE - SEE SHEET 73

RIVER ROAD

RIVER ROAD

UNIVERSITY RESEARCH COURT

HAIIG DRIVE

ANACOSTIA RIVER
STREAM VALLEY PARK

STAND 22

STAND 56

EsB

ZS

Ch

LOD Request Number M41
MOT – Resurfacing

LOD Request Number M42
MOT – Resurfacing

736+00 737+00 738+00 739+00 740+00 741+00 742+00 743+00 744+00 745+00 746+00 747+00

TP

FPL

SB

WB

GRAPHIC SCALE

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LEGEND

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FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-72
SHEET NO. 72 OF 100

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PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 72

Asphalt Path to be relocated

NORTHEAST BRANCH

Park and Recreation Administration Building

LOD Request Number M43
MDOT – Resurfacing

RIVER ROAD

ANACOSTIA RIVER
STREAM VALLEY PARK
CF

STAND 56

STAND 21

STAND 20

ANACOSTIA RIVER
STREAM VALLEY PARK

LOD Request Number U15
Utility – Gray Area

MATCHLINE - SEE SHEET 74

LEGEND

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FOREST CONSERVATION PLAN

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SHEET NO. 73 OF 100

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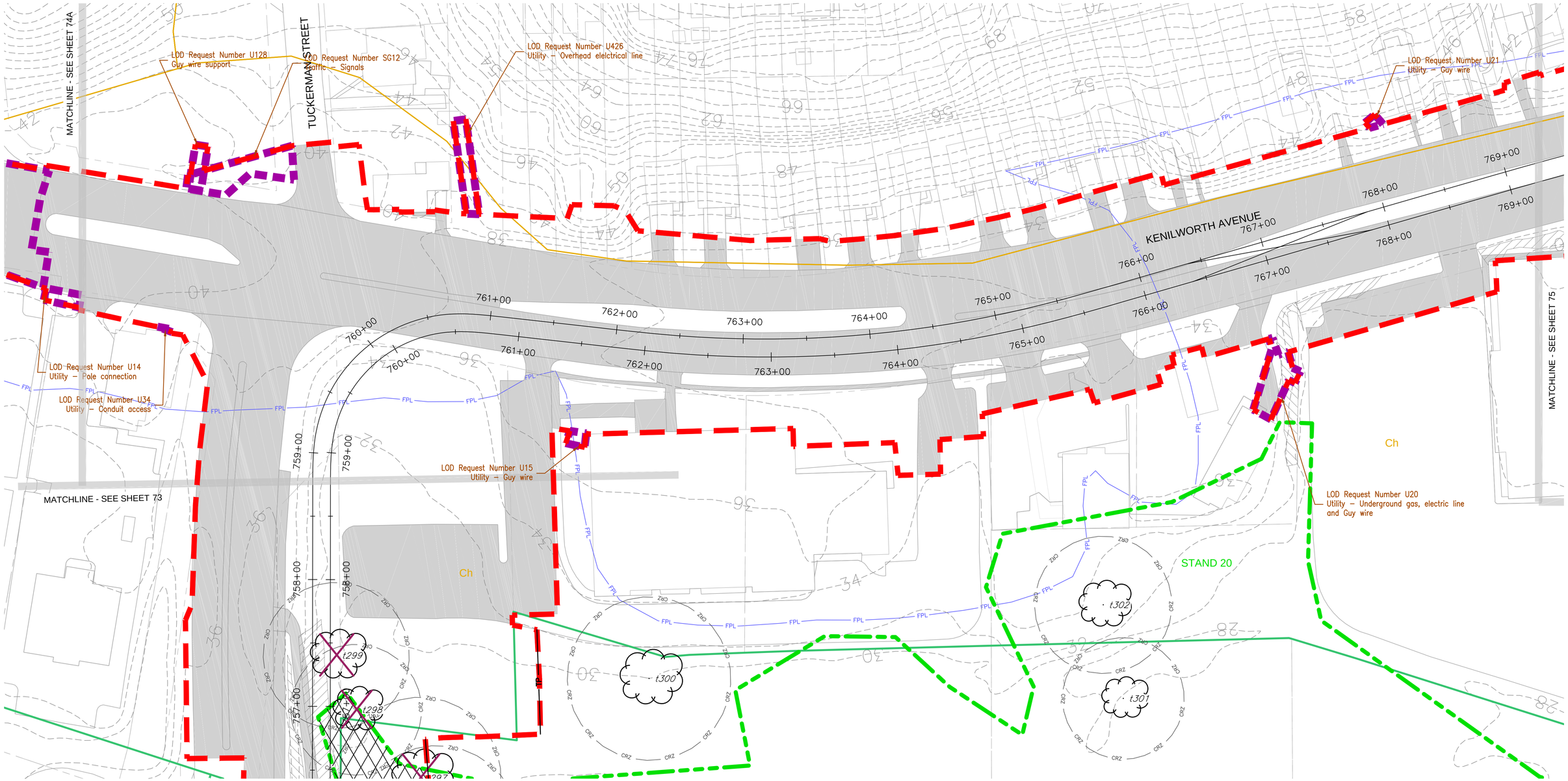

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

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Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-74

SHEET NO. 74 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
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KENILWORTH AVENUE

TENNYSON STREET

TUCKERMAN STREET

MATCHLINE - SEE SHEET 74

MATCHLINE - SEE SHEET 73

Anacostia River Stream Valley Park

LOD Request Number M44
MOT – Resurfacing

LOD Request Number U14
Utility – Pole connection

LOD Request Number U34
Utility – Conduit access

LOD Request Number U128
Guy wire support

LOD Request Number SG12
Traffic – Signals

LOD Request Number U426
Utility – Overhead elelctrical line

LOD Request Number U15
Utility – Guy wire

760+00 761+00 762+00 763+00

759+00 758+00 757+00

t299 t300

Ch

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

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REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-74A
SHEET NO. 74A OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
PRINTED ON: 3 May 2018

RITTENHOUSE STREET

QUINTANA STREET

KENILWORTH AVENUE

QUESADA ROAD

LOD Request Number U23
Utility – Guy wire

LOD Request Number U27
Utility – Guy wire

LOD Request Number U30
Utility – Underground gas line

LOD Request Number U31
Utility – Underground gas line

LOD Request Number U432
Utility – Overhead electrical line

CdE

Ch

CdD

FPL

MATCHLINE - SEE SHEET 74

MATCHLINE - SEE SHEET 76

MATCHLINE - SEE SHEET 77

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ t174 CRZ — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

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Michael J. Klebasko

July 20, 2016

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-75

SHEET NO. 75 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 75

LOD Request Number U29
Utility – Guy wire

QUESADA ROAD

54TH PLACE

QUINTANA STREET

STAND 20

ANACOSTIA RIVER
STREAM VALLEY PARK

NORTHEAST BRANCH

ANACOSTIA RIVER
STREAM VALLEY PARK

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

50-FT STREAM BUFFER

25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
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1 inch = 40 ft.

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MARYLAND TRANSIT ADMINISTRATION
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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

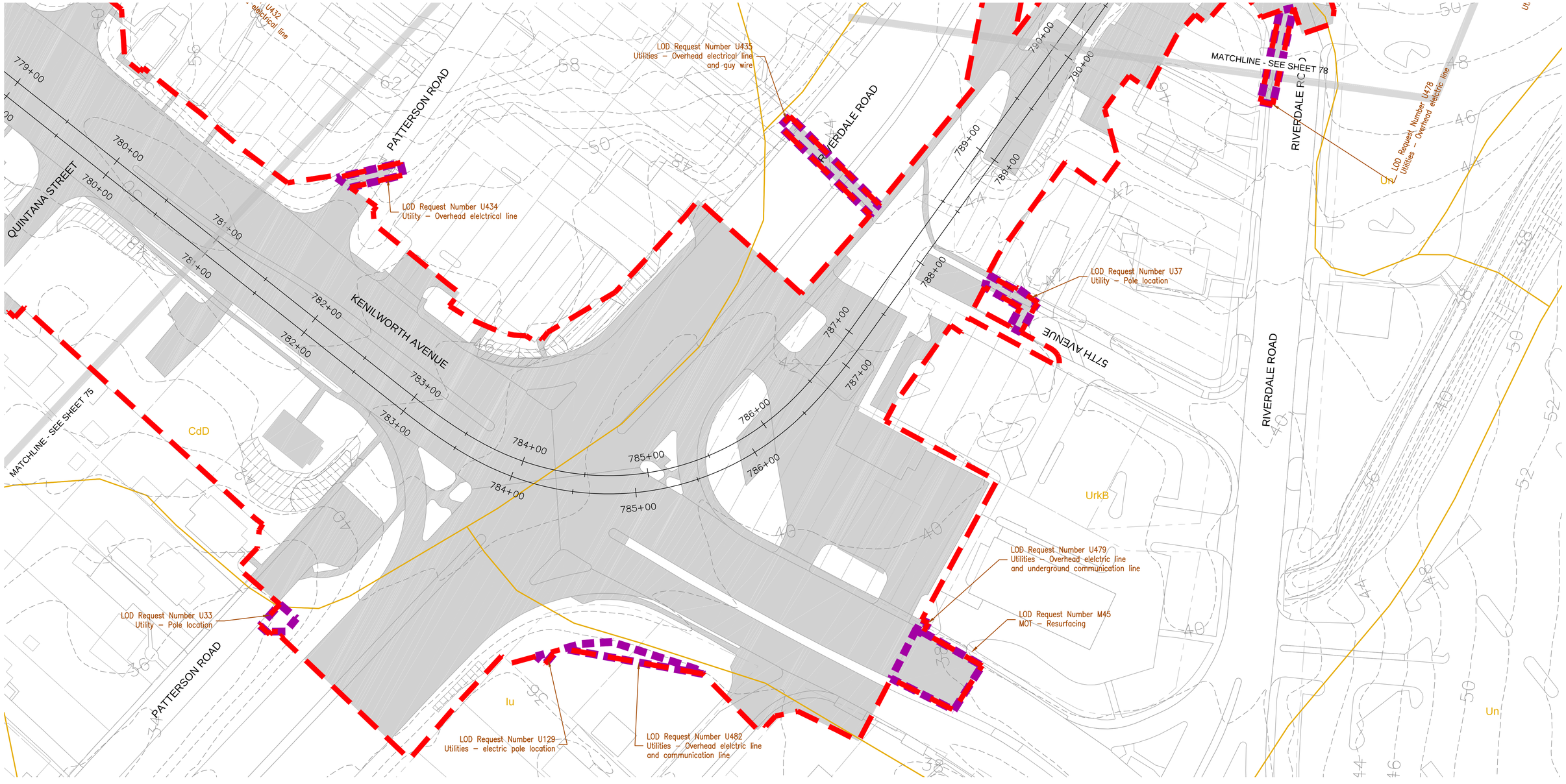
FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-76
SHEET NO. 76 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 (CRZ) — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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(IN FEET)
1 inch = 40 ft.

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REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-77
SHEET NO. 77 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
PRINTED ON: 3 May 2018

58TH AVENUE

RIVERDALE ROAD

MATCHLINE - SEE SHEET 77

MATCHLINE - SEE SHEET 79

MATCHLINE - SEE SHEET 80

STAND 19

LOD Request Number U41
Utility – Pole location

LOD Request Number TD5
Traffic – Signing and marking

LOD Request Number U442
Utilities – Utility pole location

LOD Request Number U42
Utility – Pole location

LOD Request Number U43
Utility – Pole location

LOD Request Number U446
Utilities – Span guy wire

LOD Request Number U44
Utility – Pole location

LOD Request Number U476
Utilities – Overhead elelctric line

LOD Request Number U478
Utilities – Overhead elelctric line

LOD Request Number U40
Utilities – underground gas line

790+00 791+00 792+00 793+00 794+00 795+00 796+00 797+00 798+00 799+00 800+00 801+00 802+00

t305

CdD

CcD

Un

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ t174 CRZ — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

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MTA Maryland

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-78
SHEET NO. 78 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
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MATCHLINE - SEE SHEET 77

RIVERDAL ROAD

MATCHLINE - SEE SHEET 78

MATCHLINE - SEE SHEET 80

STAND 19

STAND 19

LOD Request Number U478
Utilities – Overhead elelctric line

LOD Request Number U40
Utilities – underground gas line

LOD Request Number U476
Utilities – Overhead elelctric line

LOD Request Number U44
Utility – Pole location

Un

Un

CcD

t305

CRZ

TP

794+00

795+00

796+00

797+00

798+00

799+00

800+00

801+00

802+00

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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(IN FEET)
1 inch = 40 ft.

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July 20, 2016

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-79
SHEET NO. 79 OF 100

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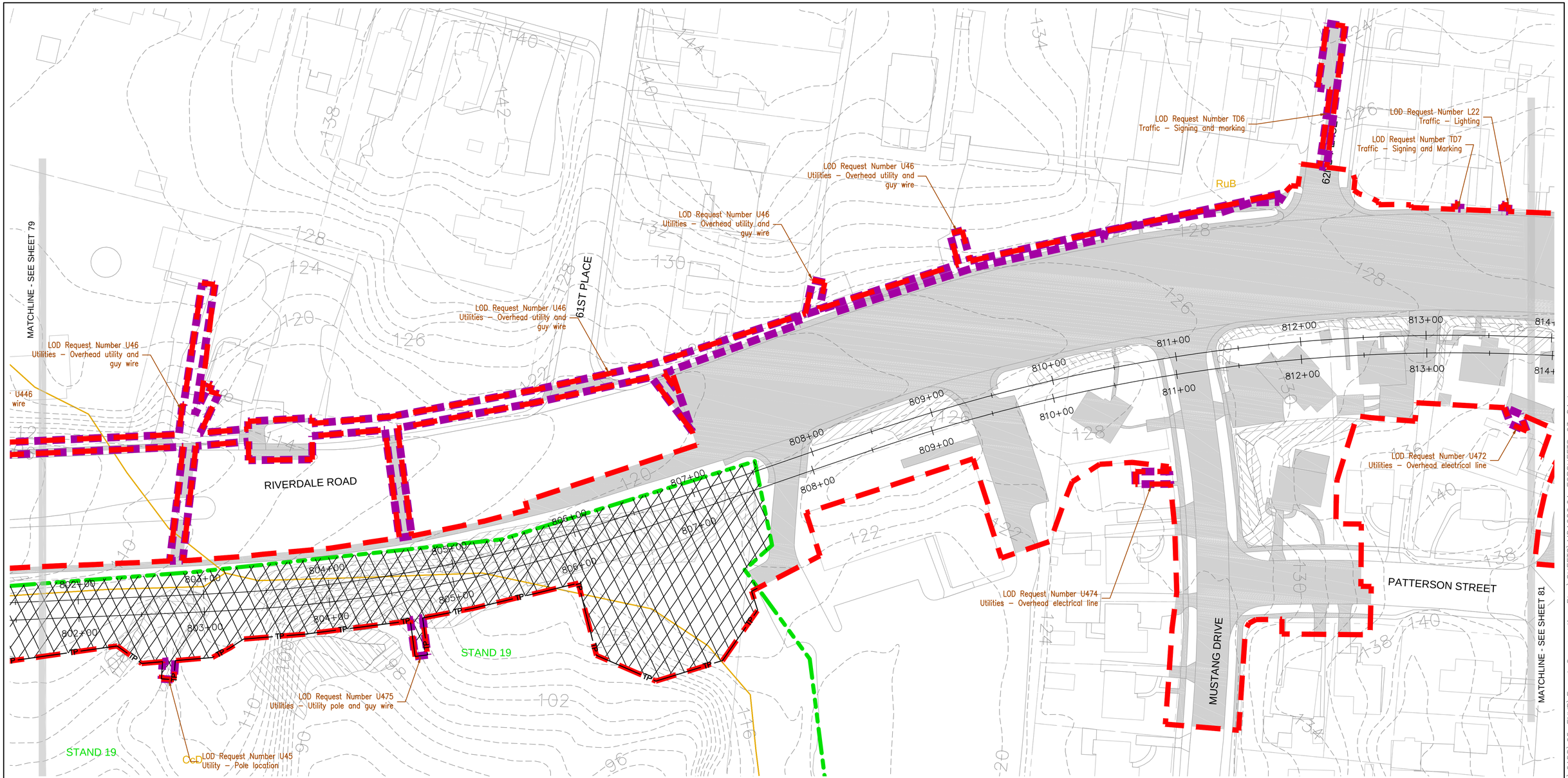

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 (CRZ / SRZ) — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
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- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

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REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-80
SHEET NO. 80 OF 100

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LOD Request Number U55
Utility – Guy wire

LOD Request Number U448
Utilities – Underground communication line

LOD Request Number D1
Drainage – new pipe and inlet

LOD Request Number U56
Utility – Underground gas line

LOD Request Number U57
Utility – Underground gas line

LOD Request Number L23
Traffic – Lighting

LOD Request Number U450
Utilities – Overhead electrical line

LOD Request Number U470
Utilities – Overhead electrical line

LOD Request Number U54
Utilities – Guy wire

LOD Request Number U467
Utilities – Overhead electrical line

LOD Request Number U466
Utilities – Overhead electrical line

LOD Request Number U465
Utilities – Overhead electrical line

LOD Request Number R1
Roadway – Reconstruction of residential driveway

LOD Request Number U463
Utilities – Overhead electrical line

LOD Request Number U464
Utilities – Overhead electrical line

63RD AVENUE
63RD PLACE
64TH AVENUE
RIVERDALE ROAD
PATTERSON STREET
EASTPINE DRIVE
MATCHLINE - SEE SHEET 80
MATCHLINE - SEE SHEET 82
NPS BOUNDARY (APPROX)
STAND 55
RuB
CdD
UdaF

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
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- PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
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- WETLANDS
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- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

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MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

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REVISIONS

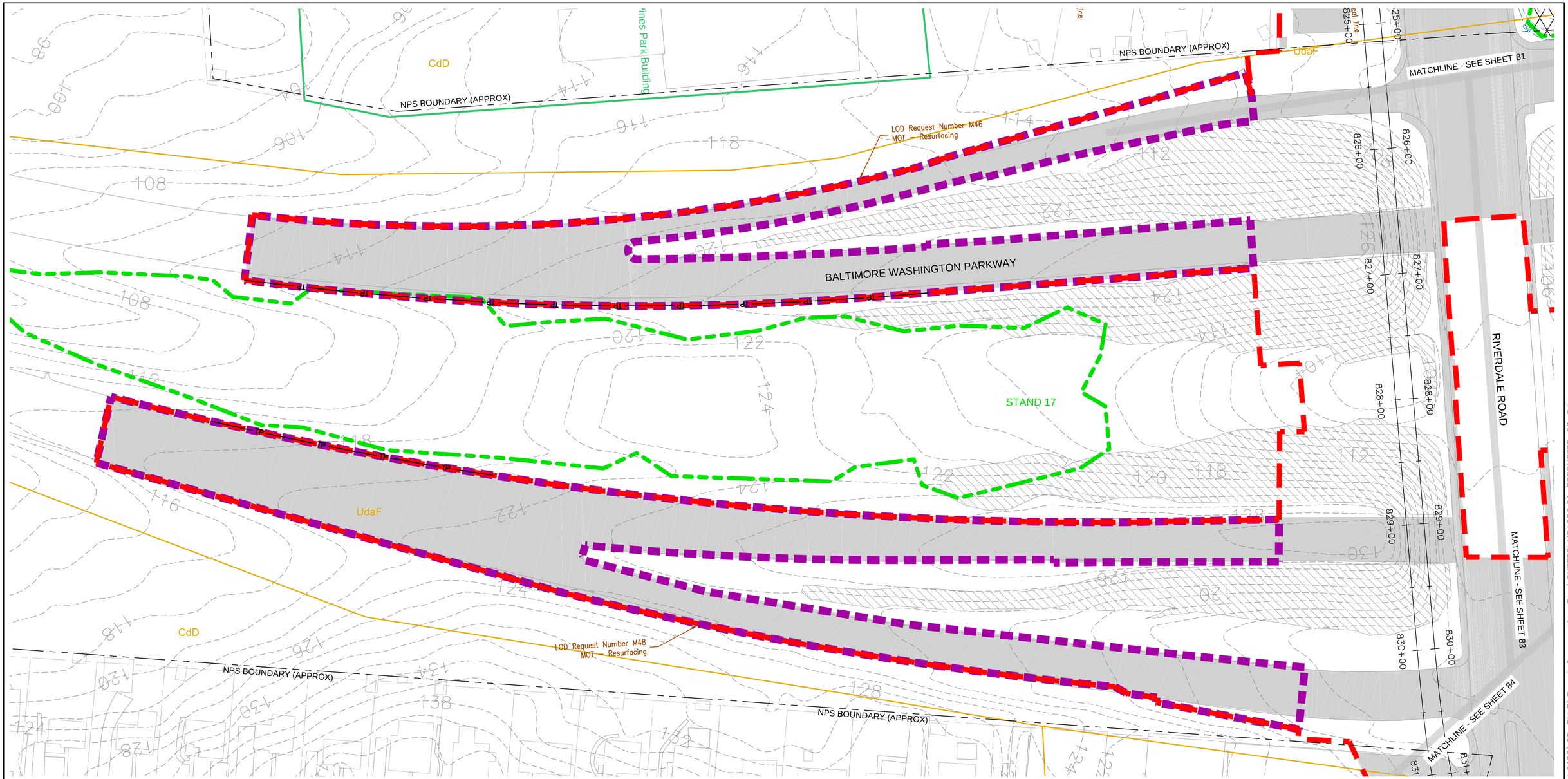
DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-81
SHEET NO. 81 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286_63-84.dwg
PRINTED ON: 3 May 2018



LEGEND

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- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
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- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-82

SHEET NO. 82 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 81

MATCHLINE - SEE SHEET 82

RIVERDALE ROAD

BALTIMORE WASHINGTON PARKWAY

MATCHLINE - SEE SHEET 84

NPS BOUNDARY (APPROX)

STAND 55

STAND 18

STAND 16

CdD

UdaF

GbD

LOD Request Number M49
MOT – Resurfacing

LOD Request Number M47
MOT – Resurfacing

t307

t308

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ / t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B / CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-83

SHEET NO. 83 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 83

CcE

NPS BOUNDARY (APPROX)

STAND 16

STAND 15

LOD Request Number U58
Utilities – Guy wire

Park Police Headquarters

LOD Request Number U60
Utility – Underground electric line

CdD

RIVERDALE ROAD

831+00 832+00 833+00 834+00 835+00 836+00 837+00 838+00 839+00 840+00 841+00 842+00 843+00

MATCHLINE - SEE SHEET 85

LOD Request Number U59
Utility – Underground gas line

LOD Request Number U460
Utilities – Overhead electrical line

LOD Request Number U462
Utilities – Overhead electrical line

67TH PLACE

LOD Request Number U458
Utilities – Overhead electric line

LOD Request Number U457
Utilities – Overhead electric line

MATCHLINE THIS SHEET

LOD Request Number TD8
Traffic – Signing and Marking

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
- t174 (CRZ) — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN
DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-84
SHEET NO. 84 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_63-84.dwg
PRINTED ON: 3 May 2018

LOD Request Number U454
Utilities – Overhead elelctrical line and guy wire support

LOD request Number U62
Utility – Overhead electric and utility pole

LOD Request Number U452
Utilities – Overhead elelctrical line

LOD Request Number U63
Utility – Underground electric line

RIVERDALE ROAD

FERNWOOD TERRACE

VETERANS HIGHWAY

67TH PLACE

Park Police Headquarters

GbD

CdD

UdaF

STAND 11

STAND 14

STAND 14

MATCHLINE - SEE SHEET 84

MATCHLINE - SEE SHEET 86

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ / t174 / DBH — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B / CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

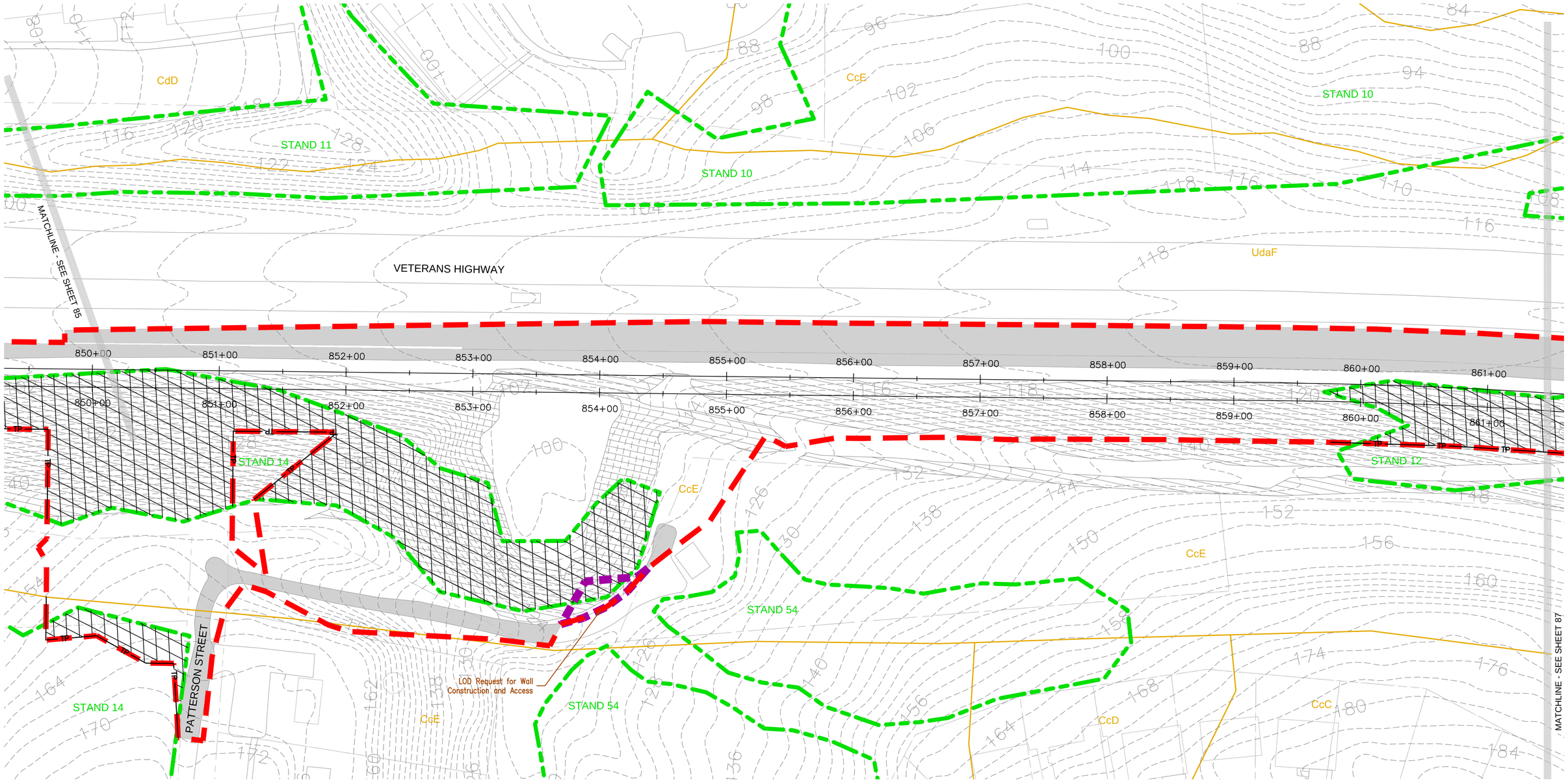
DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-85
SHEET NO. 85 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_81-100.dwg
PRINTED ON: 3 May 2018



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD JUNE 2019

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

MTA Maryland

Wetland Studies and Solutions, Inc. a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Kle

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
06	REVISED LOD AREAS AND CALCULATIONS	PD	6/12/2019
05	REVISED LOD AREAS AND CALCULATIONS	CH	1/30/19
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-86

SHEET NO. 86 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_81-100.dwg
PRINTED ON: 13 June 2019

APPROVED
Forest Conservation Plan

(authorization)

02/12/19
(date)

State of Maryland
Forest Conservation Program

FCP # S14-07

REVISION 5

ZS

STAND 10

STAND 10

MATCHLINE - SEE SHEET 86

VETERANS HIGHWAY

UdaF

861+00 862+00 863+00 864+00 865+00 866+00 867+00 868+00 869+00 870+00 871+00 872+00

STAND 12

STAND 13

STAND 13

CcE

LOD AREA ADDED JANUARY 2019 FOR WALL 7-190

MATCHLINE - SEE SHEET 88

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ t174 CRZ — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB — 50-FT STREAM BUFFER

WB — 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL — 100-YEAR FLOODPLAIN

PARK — COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD JANUARY 2019

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
05	REVISED LOD AREAS AND CALCULATIONS	CH	1/30/19
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-87

SHEET NO. 87 OF 100

L:_Maryland_Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_81-100.dwg
PRINTED ON: 30 January 2019

APPROVED
Forest Conservation Plan

(authorization)

02/12/19
(date)

State of Maryland
Forest Conservation Program

FCP # S14-07

REVISION 5

MATCHLINE - SEE SHEET 87

VETERANS HIGHWAY

STAND 9

STAND 13

LOD AREA ADDED JANUARY 2019 FOR WALL 7-190

STAND 7

UdaF

Glenridge Park

MATCHLINE - SEE SHEET 90

MATCHLINE - SEE SHEET 89

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FP — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD JANUARY 2019

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK CAC
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-88
SHEET NO. 88 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_81-100.dwg
PRINTED ON: 30 January 2019

APPROVED
Forest Conservation Plan

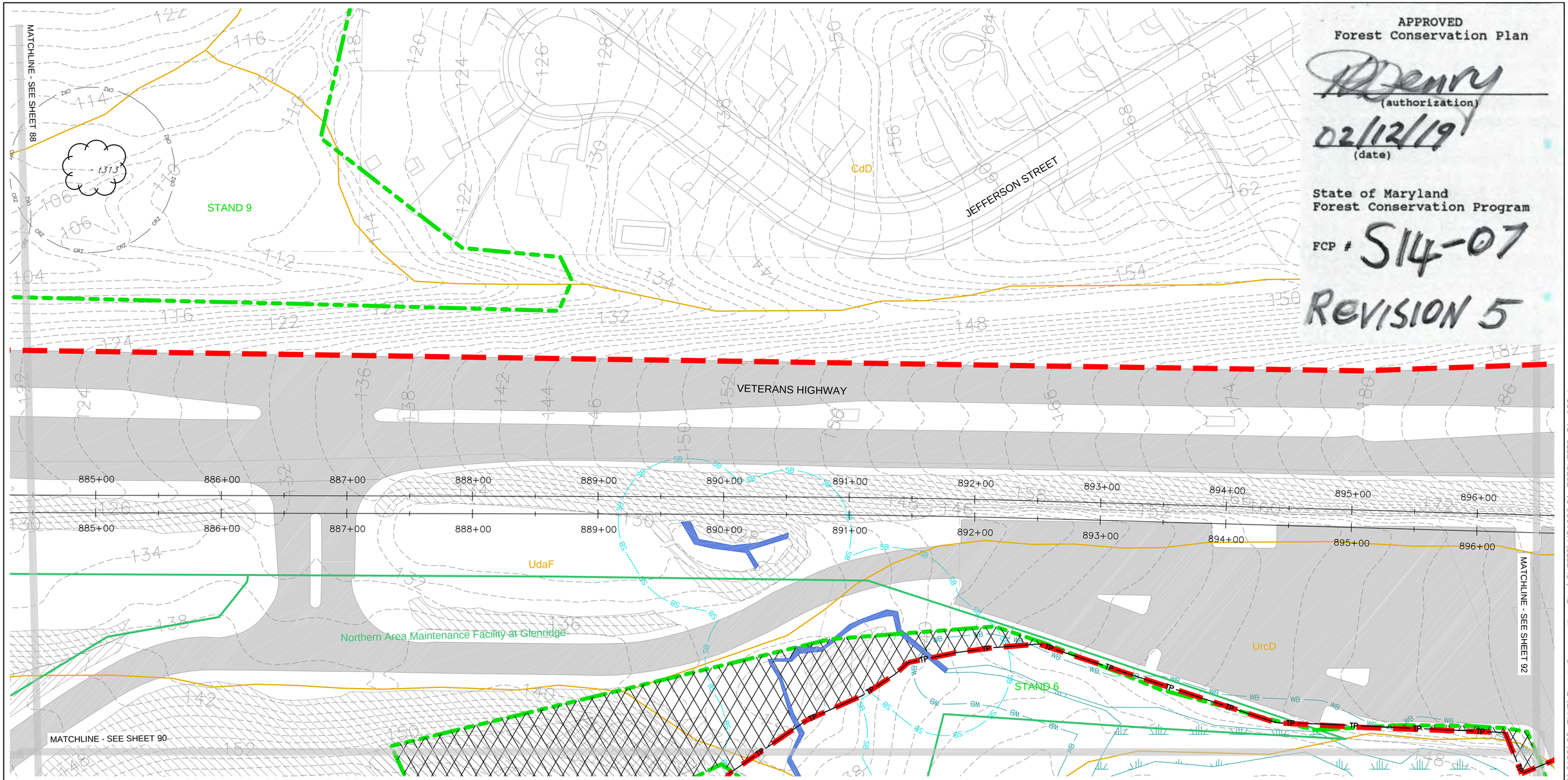
(authorization)

02/12/19
(date)

State of Maryland
Forest Conservation Program

FCP # S14-07

REVISION 5



LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- 50-FT STREAM BUFFER
- 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
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02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-89
SHEET NO. 89 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD01286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD01286.01_FCPSHEETS_81-100.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 88

MATCHLINE - SEE SHEET 91

ROSALIE LANE

Glenridge Park

STAND 7

CcE

ZS

CcC

LOD Request Number IC1
Civil – Glenridge Yard

t309

LEGEND

STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD

FOREST IMPACT AREAS

PROPOSED LOD/PROJECT BOUNDARY

TP PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

CRZ t174 SPB — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)

t175 — SPECIMEN TREE FROM FSD TO BE REMOVED

2B CcE — SOILS BOUNDARY AND LABEL

IMPERVIOUS AREAS (DEDUCTIONS)

INTERMITTENT/PERENNIAL STREAMS

EPHEMERAL CHANNEL

WETLANDS

OPEN WATER

SB 50-FT STREAM BUFFER

WB 25-FT WETLAND BUFFER

25% SLOPES

15% SLOPES ON ERODIBLE SOILS

FPL 100-YEAR FLOODPLAIN

PARK COUNTY PARK LAND BOUNDARY & LABEL

AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-90

SHEET NO. 90 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_81-100.dwg
PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 89

MATCHLINE - SEE SHEET 90

MATCHLINE - SEE SHEET 92

STAND 5

STAND 6

STAND 7

STAND 8

UduB

CcE

CdD

Northern Area Maintenance Facility at Glenridge

Glenridge Park

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**
- **INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.
- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

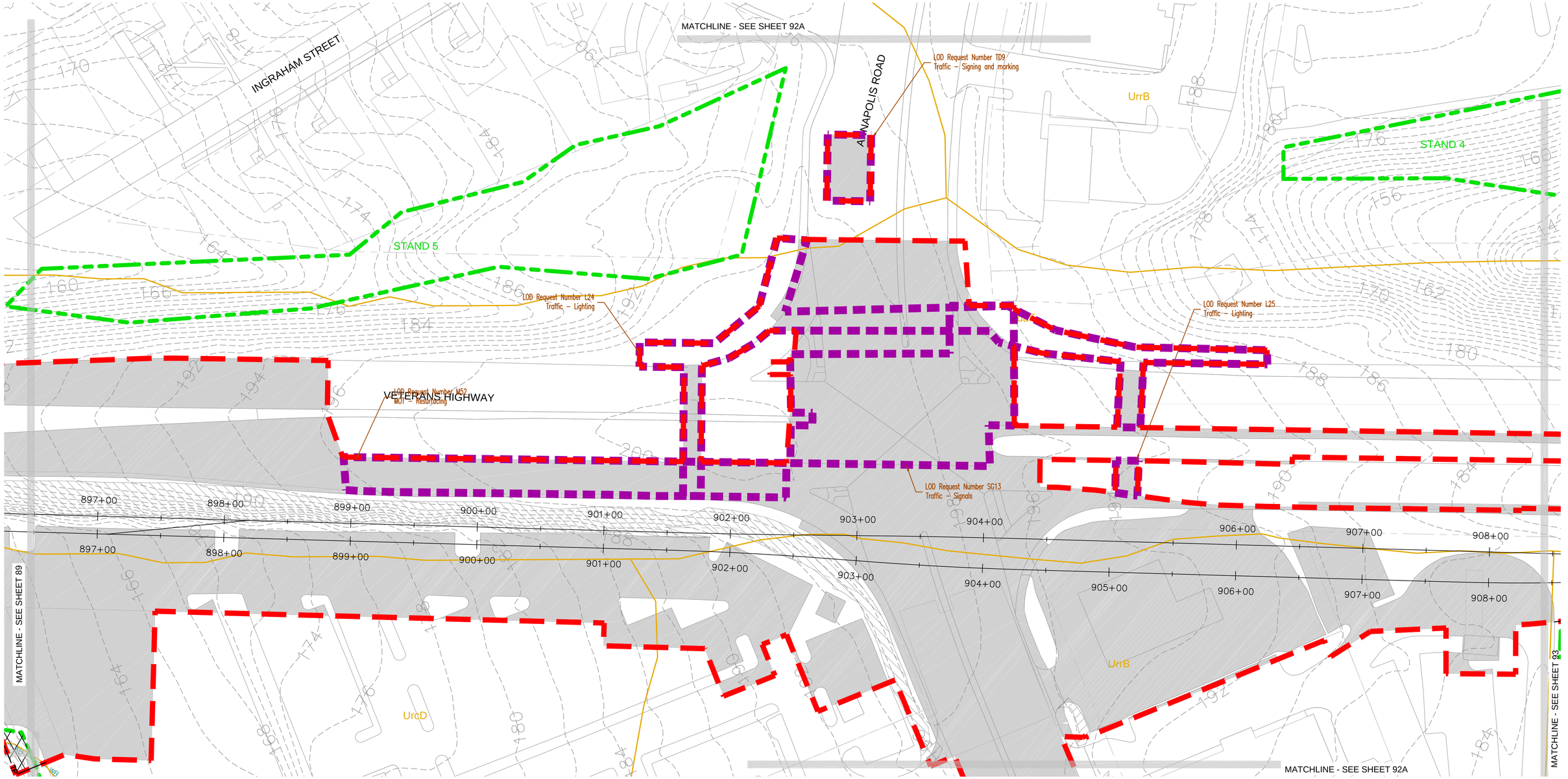
DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-91

SHEET NO. 91 OF 100

L:_Maryland_Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_81-100.dwg
PRINTED ON: 3 May 2018



LEGEND

- FOREST STAND BOUNDARY AND LABEL FROM FSD (STAND 5)
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ) (ZsO, t174, CRZ, DBH)
- SPECIMEN TREE FROM FSD TO BE REMOVED (t175)
- SOILS BOUNDARY AND LABEL (2B, CcE)
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- 50-FT STREAM BUFFER (SB)
- 25-FT WETLAND BUFFER (WB)
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- 100-YEAR FLOODPLAIN (FPL)
- PARK – COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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(IN FEET)
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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-92
SHEET NO. 92 OF 100

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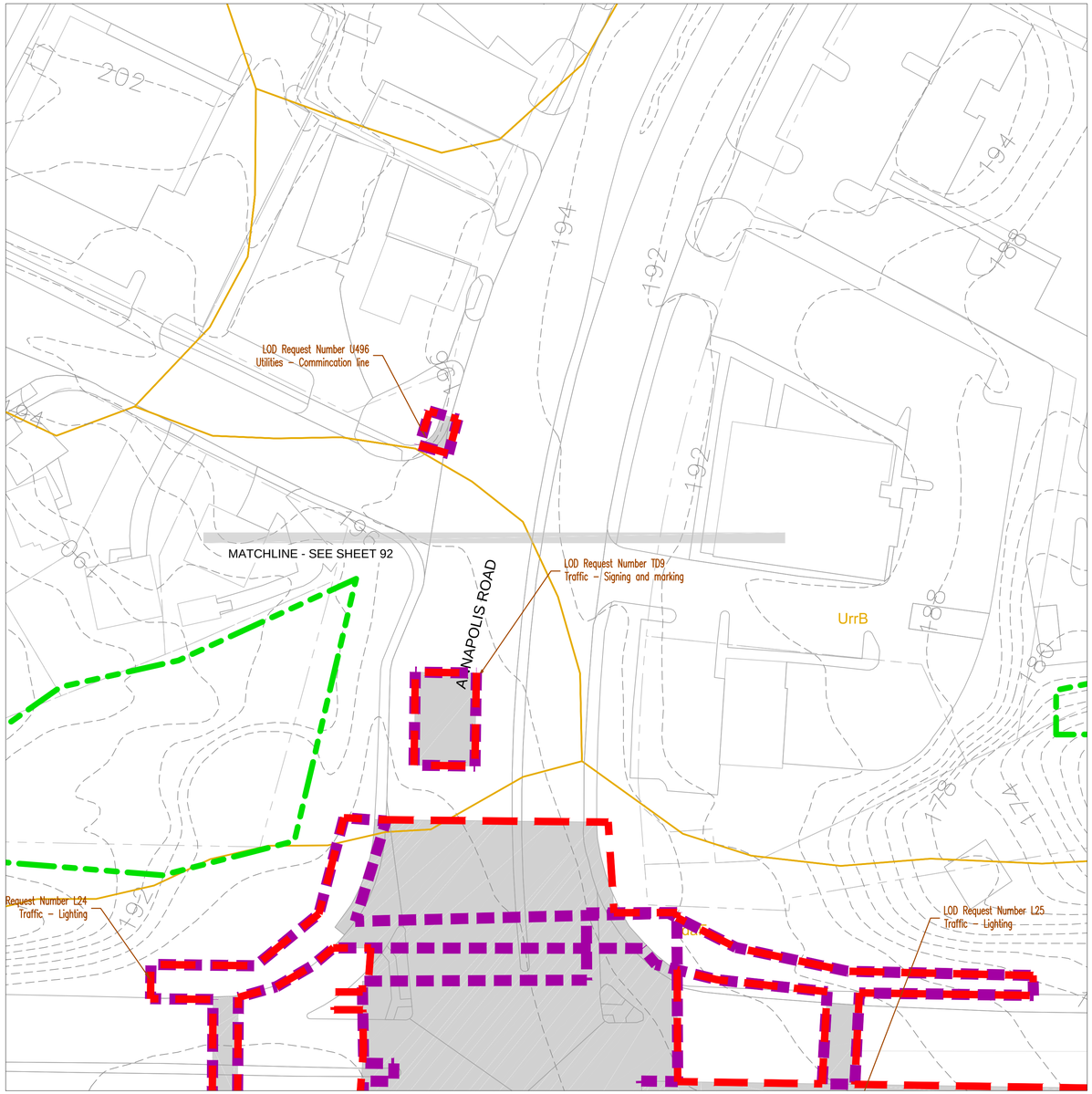

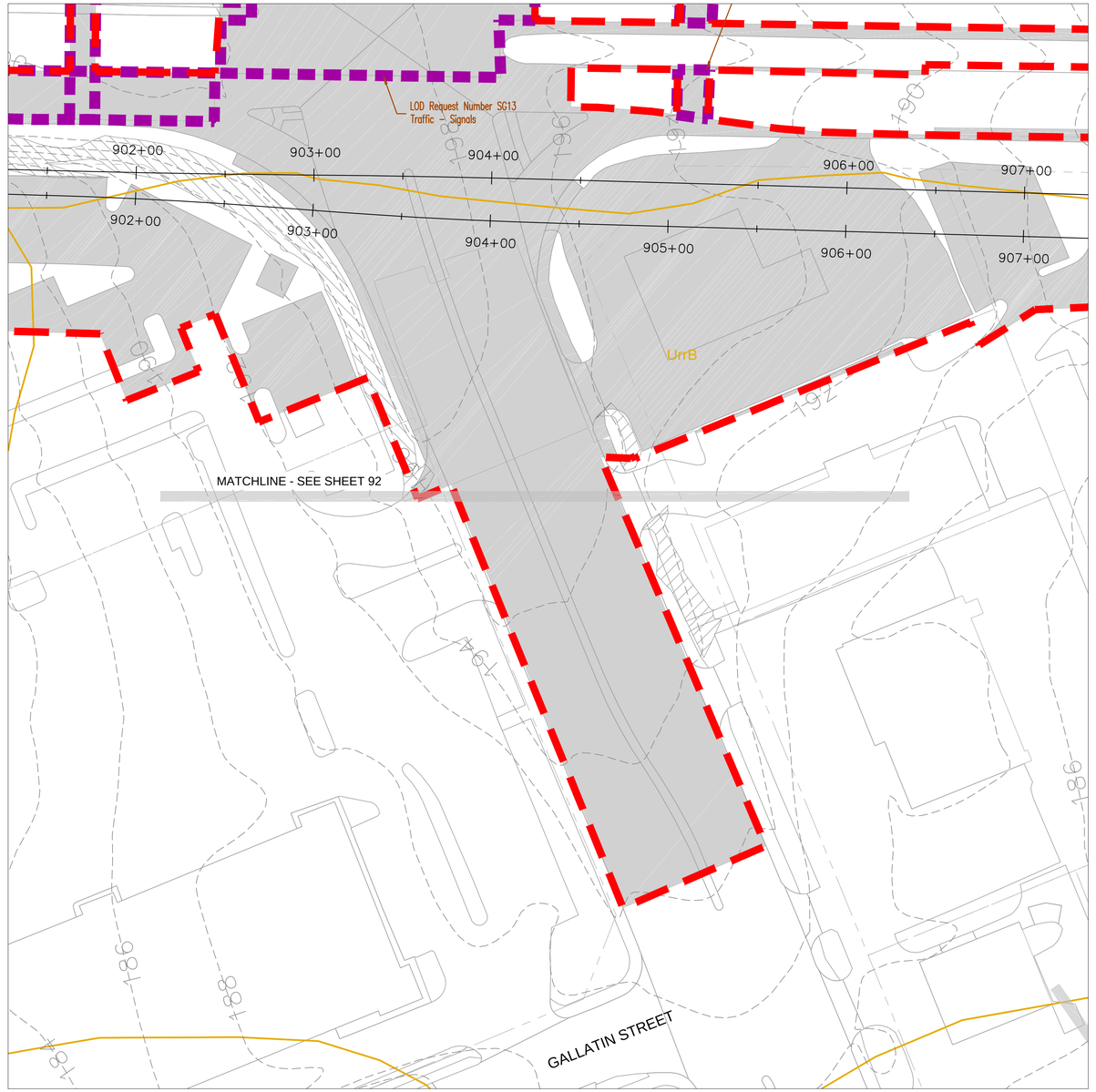

GRAPHIC SCALE

40 0 20 40 80 160

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1 inch = 40 ft.

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
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- t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
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- 25% SLOPES
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- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

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July 20, 2016

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01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-92A
SHEET NO. 92A OF 100

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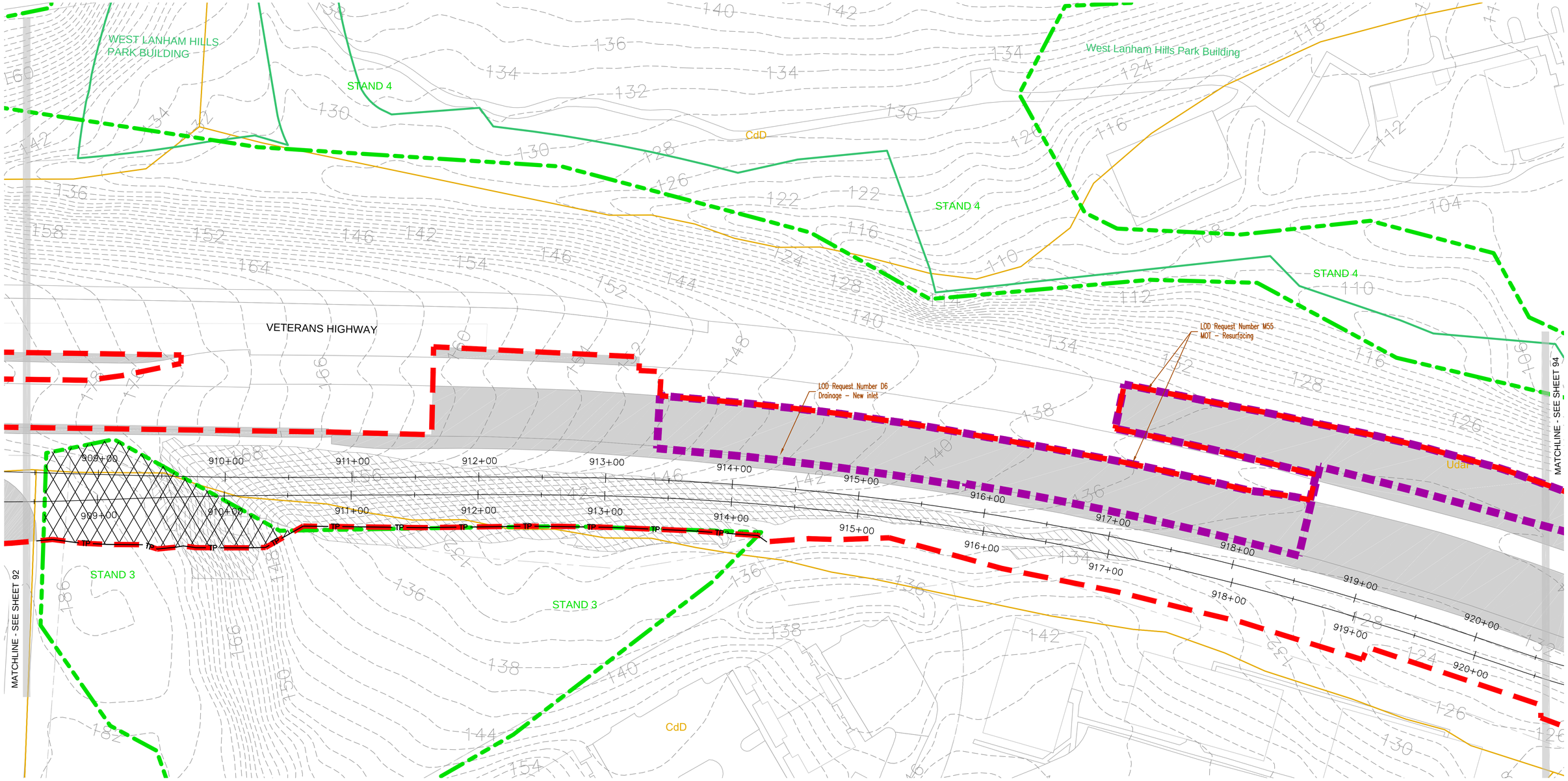

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**

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- OPEN WATER
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- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FP — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-93

SHEET NO. 93 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_81-100.dwg
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West Lanham Hills Park Building

MATCHLINE - SEE SHEET 93

MATCHLINE - SEE SHEET 94A

MATCHLINE - SEE SHEET 95

ELLIN ROAD

DECATUR ROAD

DAVENPORT ROAD

3RD STREET

VETERANS HIGHWAY

STAND 4

STAND 53

STAND 2

STAND 2

UdaF

UdaF

CdD

CdD

RuB

LOD Request Number U485
Utilities – Overhead electical line and guy wires

LOD Request Number U492
Utilities – Guy wire support

t314

t315

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**
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- CRZ / t174 / CRZ — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
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- OPEN WATER
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GRAPHIC SCALE

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REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-94
SHEET NO. 94 OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_81-100.dwg
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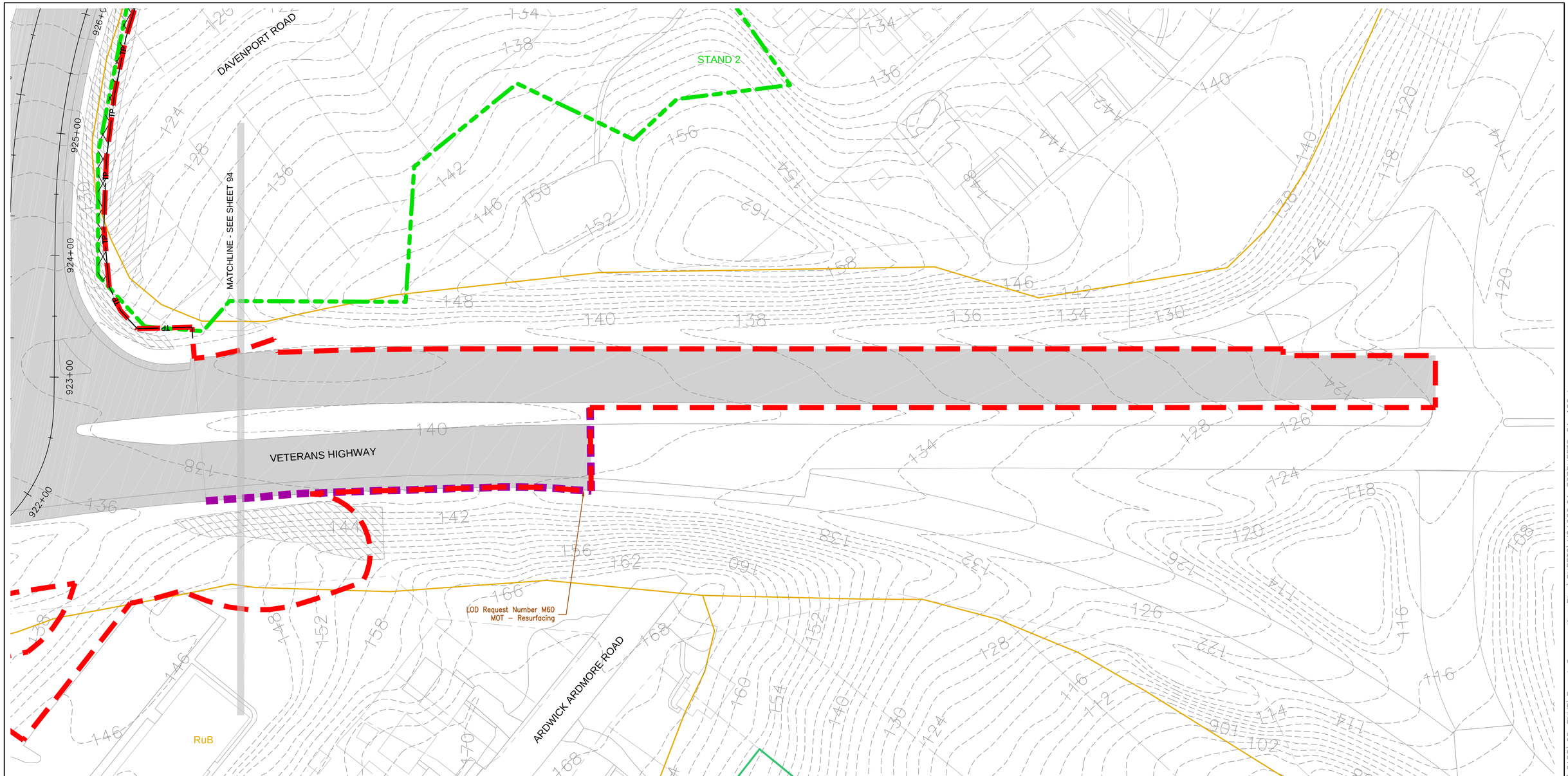

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**

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- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

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(IN FEET)
1 inch = 40 ft.

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REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-94A
SHEET NO. 94A OF 100

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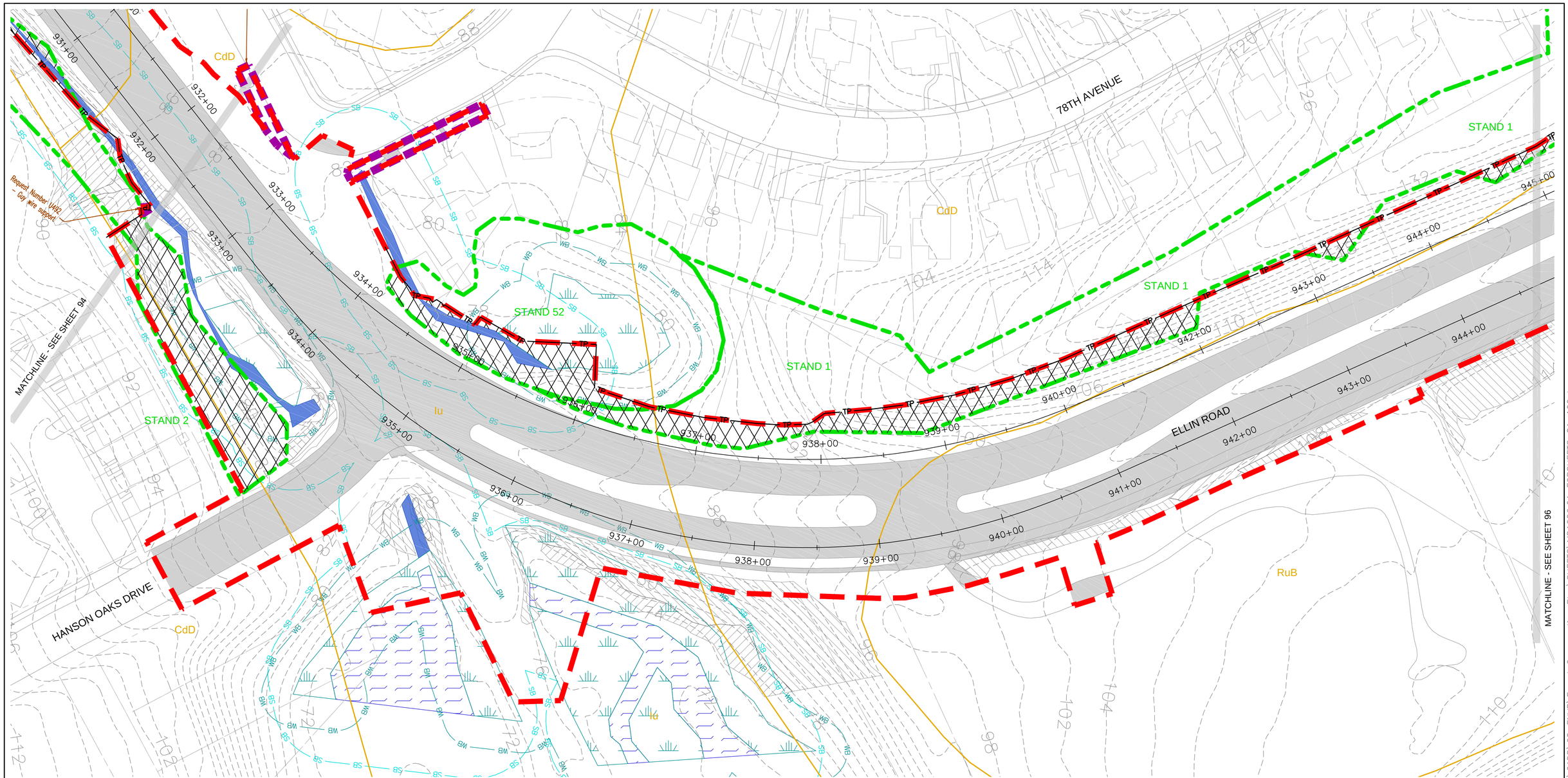

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**
- SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B / CcE — SOILS BOUNDARY AND LABEL
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REVISIONS

DESIGN CJH · DRAWN CJH · CHECK MJK · APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-95
SHEET NO. 95 OF 100

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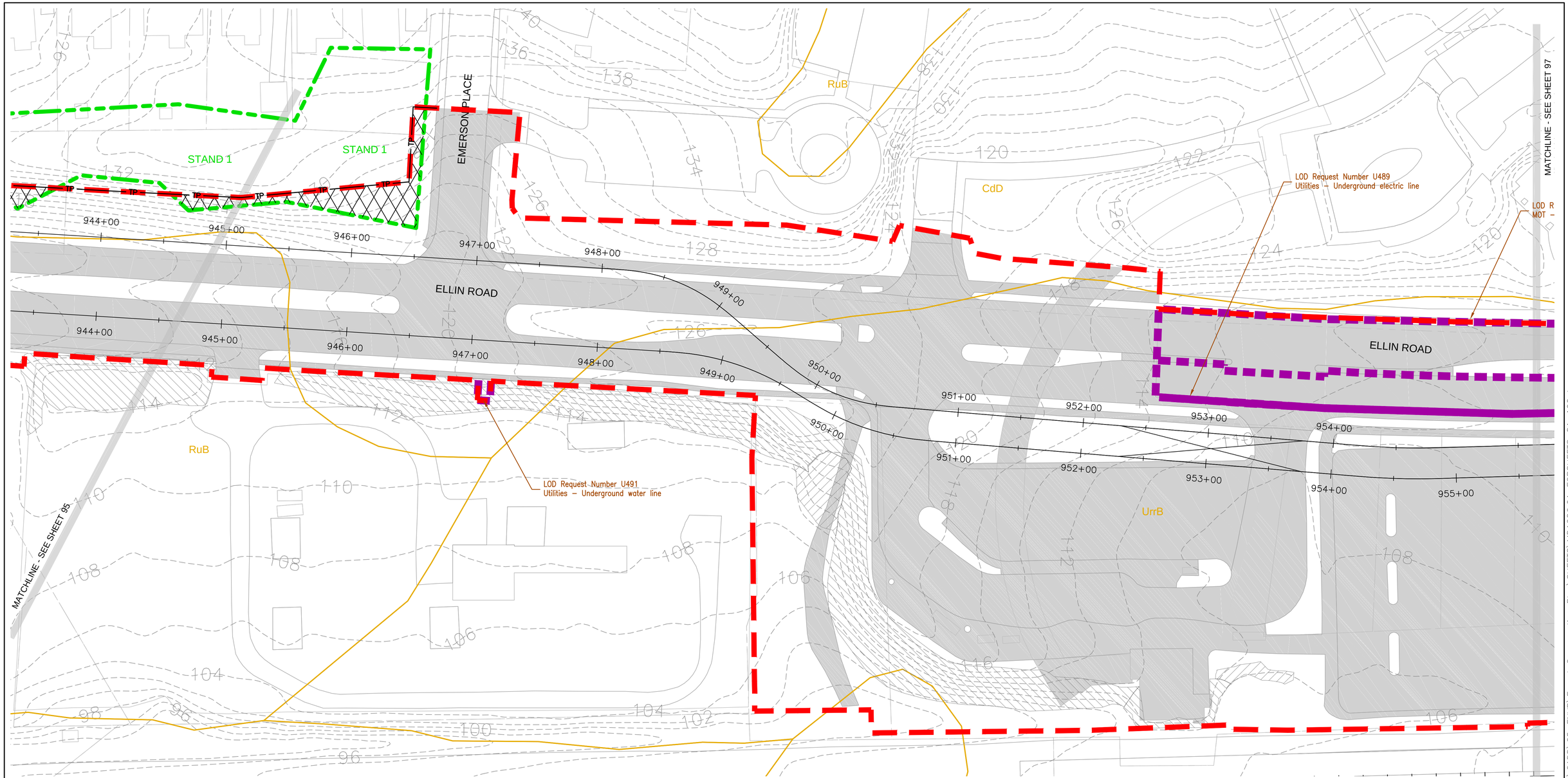

LEGEND

- STAND 5 — FOREST STAND BOUNDARY AND LABEL FROM FSD
- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- CRZ t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
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REVISIONS

DESIGN CJH
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FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-96
SHEET NO. 96 OF 100

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PRINTED ON: 3 May 2018

MATCHLINE - SEE SHEET 96

HARKINS ROAD

LOD Request Number U490
Utilities – Underground electric line, communication line, guy wire support, utility pole and overhead electrical line

LOD Request Number L26
Traffic – Lighting

LOD Request Number M56
MOT – Resurfacing

LOD Request Number R2
Roadway – Driveway reconstruction (IRS)

CdD

RcB

CcE

UrrB

UrkB

956+00 957+00 958+00 959+00 960+00 961+00 962+00 962+02

GRAPHIC SCALE
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(IN FEET)
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LEGEND

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- FOREST IMPACT AREAS
- PROPOSED LOD/PROJECT BOUNDARY
- PROPOSED TREE PROTECTION**

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- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
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REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----
DRAWING NO. FCP-97
SHEET NO. 97 OF 100

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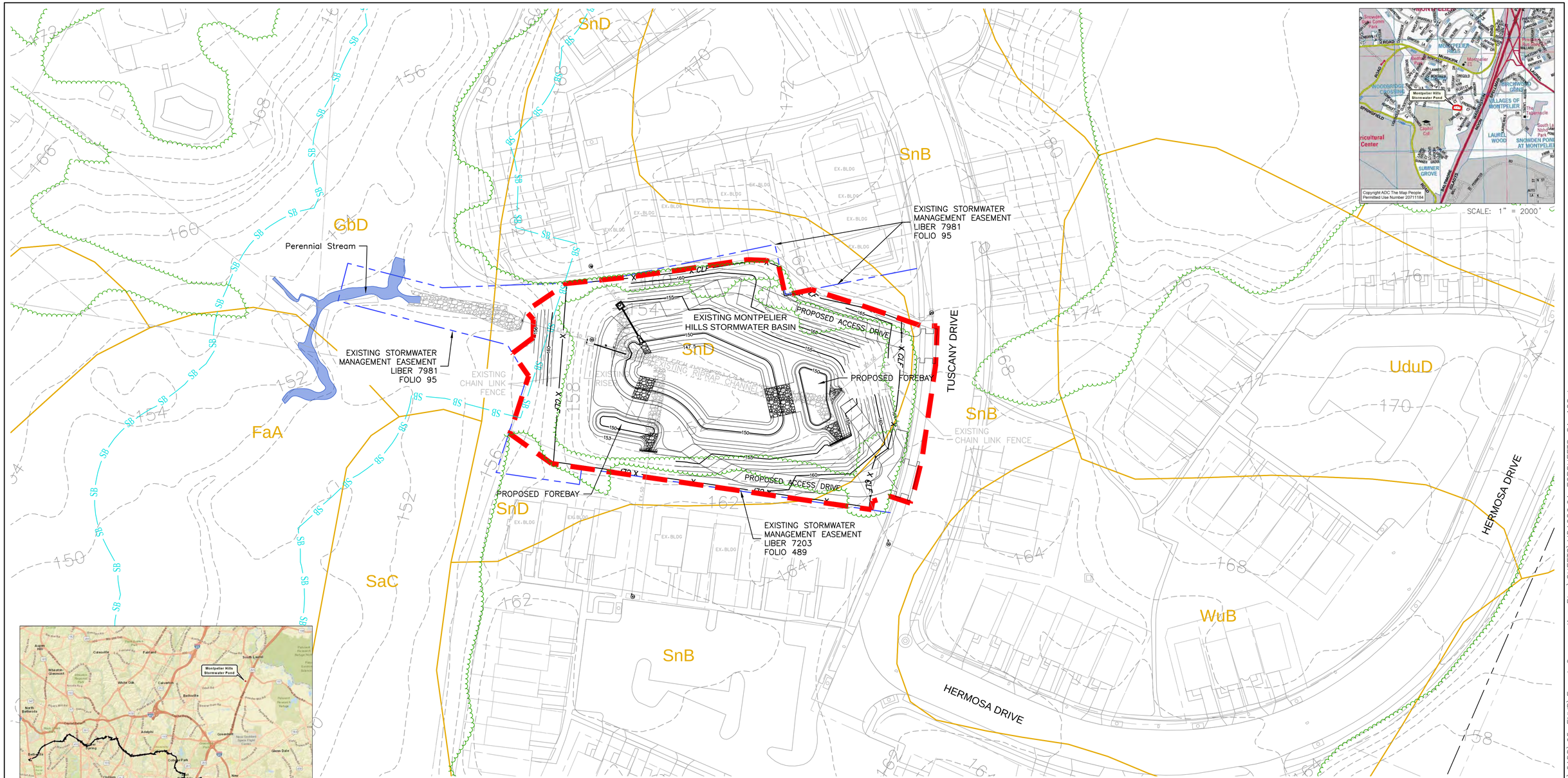

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- TP — PROPOSED TREE PROTECTION**

**INCLUDES ROOT PRUNING AND TREE PROTECTION FENCING. REFER TO TREE PROTECTION FENCE DETAIL 1/98, TREE PROTECTION SIGNAGE DETAIL 2/98, AND ROOT PRUNING DETAIL 3/98.

- CRZ t174 — SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
- t175 — SPECIMEN TREE FROM FSD TO BE REMOVED
- 2B CcE — SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)
- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- SB — 50-FT STREAM BUFFER
- WB — 25-FT WETLAND BUFFER
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS
- FPL — 100-YEAR FLOODPLAIN
- PARK — COUNTY PARK LAND BOUNDARY & LABEL
- AREAS ADDED TO LOD MARCH 2018

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ----

DRAWING NO. FCP-1

SHEET NO. 97A OF 100

L:_Maryland Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCPSHEETS_81-100.dwg
PRINTED ON: 3 October 2018

TREE PROTECTION ACTION KEY (TPAK)

Date: MARCH 2018

Tree List

Project: PURPLE LINE

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	SCRZ: Structural Critical Root Zone (radius) in Feet	CRZ: Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	CONDITION	Reason for Removal: TREE WHOLLY WITHIN CLEARING LIMITS	Reason for Removal: TREE ADJACENT TO CLEARING LIMITS - UNACCEPTABLE ROOT DAMAGE IS EXPECTED	Removal	Removal By Arborist	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Construction Oversight/Monitoring	Support Cable	Canopy Prune	Comments	% CRZ Loss
1	37	red maple	Acer rubrum	11.0	56	Poor		X		X								44.7%
2	47	red maple	Acer rubrum	12.0	71	Fair					X	X	X	X				19.7%
3	50	slippery elm	Ulmus rubra	12.0	75	Good					X	X	X	X				20.2%
4	31.7	black walnut	Juglans nigra	10.0	48	Good	X		X									100.0%
5	30.5	black walnut	Juglans nigra	10.0	47	Good	X		X									100.0%
6	40	tulip poplar	Liriodendron tulipifera	11.0	60	Fair		X		X								31.8%
7	34	black wahmt	Juglans nigra	10.0	51	Good		X		X								46.7%
8	40	tulip poplar	Liriodendron tulipifera	11.0	60	Fair		X		X								40.7%
9	32	tulip poplar	Liriodendron tulipifera	10.0	48	Good	X		X									100.0%
10	37.2	tulip poplar	Liriodendron tulipifera	11.0	56	Good	X		X									100.0%
11	35	tulip poplar	Liriodendron tulipifera	10.0	53	Good	X		X									100.0%
12	45	tulip poplar	Liriodendron tulipifera	11.0	68	Good		X		X								46.2%
13	37.1	tulip poplar	Liriodendron tulipifera	11.0	56	Good	X		X									100.0%
14	33.6	tulip poplar	Liriodendron tulipifera	10.0	51	Good	X		X									100.0%
15	38.9	tulip poplar	Liriodendron tulipifera	11.0	59	Fair	X		X									100.0%
16	34.4	pin oak	Quercus palustris	10.0	51	Good	X		X									100.0%
17	35	tulip poplar	Liriodendron tulipifera	10.0	53	Good	X		X									100.0%
18	31	tulip poplar	Liriodendron tulipifera	10.0	47	Good	X		X									100.0%
19	35	red maple	Acer rubrum	10.0	53	Good	X		X									100.0%
20	41	eastern cottonwood	Populus deltoides	11.0	62	Fair					X	X	X	X				13.4%
21	36.1	red maple	Acer rubrum	10.0	54	Fair					X	X	X	X				10.5%
22	38.6	American sycamore	Platanus occidentalis	11.0	59	Good	X		X									100.0%
23	34	willow oak	Quercus phellos	10.0	51	Good	X		X									100.0%
24	38.2	tulip poplar	Liriodendron tulipifera	11.0	57	Good	X		X									100.0%
25	33.3	tulip poplar	Liriodendron tulipifera	10.0	50	Fair		X		X								49.5%
26	36.7	tulip poplar	Liriodendron tulipifera	11.0	56	Fair		X		X								54.6%
27	45.7	tulip poplar	Liriodendron tulipifera	12.0	69	Good		X		X								50.0%
28	42.7	tulip poplar	Liriodendron tulipifera	11.0	65	Good	X		X									100.0%
29	32.8	tulip poplar	Liriodendron tulipifera	10.0	50	Good	X		X									100.0%
30	40.8	tulip poplar	Liriodendron tulipifera	11.0	62	Good		X		X								54.4%
31	38.7	American sycamore	Platanus occidentalis	11.0	59	Good					X	X	X	X				27.2%
32	36	black oak	Quercus velutina	10.0	54	Good		X		X								36.4%
33	30	willow oak	Quercus phellos	10.0	45	Good	X		X									100.0%
34	35	tulip poplar	Liriodendron tulipifera	10.0	53	Good		X		X								33.4%
35	30	white pine	Pinus strobus	10.0	45	Good	X		X									100.0%
36	30	tulip poplar	Liriodendron tulipifera	10.0	45	Good	X		X									100.0%
37	30	tulip poplar	Liriodendron tulipifera	10.0	45	Good	X		X									100.0%
38	32	tulip poplar	Liriodendron tulipifera	10.0	48	Good	X		X									100.0%
39	38	tulip poplar	Liriodendron tulipifera	11.0	57	Good	X		X									100.0%
40	38	tulip poplar	Liriodendron tulipifera	11.0	57	Good	X		X									100.0%
41	44.5	tulip poplar	Liriodendron tulipifera	11.0	68	Good	X		X									100.0%
42	46.7	American sycamore	Platanus occidentalis	12.0	71	Good	X		X									100.0%
43	46	American sycamore	Platanus occidentalis	12.0	69	Poor		X		X								36.4%
44	41.7	silver maple	Acer saccharinum	11.0	63	Fair	X		X									100.0%
45	38.2	silver maple	Acer saccharinum	11.0	57	Fair	X		X									100.0%
46	49.5	silver maple	Acer saccharinum	12.0	75	Fair	X		X									100.0%
47	43.5	eastern cottonwood	Populus deltoides	11.0	66	Good		X		X								32.9%
48	43.4	eastern cottonwood	Populus deltoides	11.0	65	Fair					X	X	X	X				21.5%
49	59.6	silver maple	Acer saccharinum	13.0	90	Fair	X		X									100.0%
50	41.6	silver maple	Acer saccharinum	11.0	63	Fair	X		X									100.0%
51	36.1	black locust	Robinia pseudoacacia	10.0	54	Fair	X		X									100.0%
52	34.7	black locust	Robinia pseudoacacia	10.0	53	Poor	X		X									100.0%
53	43.7	silver maple	Acer saccharinum	11.0	66	Fair	X		X									100.0%
54	41.3	silver maple	Acer saccharinum	11.0	62	Poor	X		X									100.0%
55	35.5	silver maple	Acer saccharinum	10.0	54	Fair	X		X									100.0%
56	37.4	black locust	Robinia pseudoacacia	11.0	56	Poor	X		X									100.0%
57	44.3	black locust	Robinia pseudoacacia	11.0	66	Fair	X		X									100.0%
58	38.4	silver maple	Acer saccharinum	11.0	57	Good					X	X	X	X				15.3%
59	38.8	American sycamore	Platanus occidentalis	11.0	59	Good	X		X									100.0%
60	42	silver maple	Acer saccharinum	11.0	63	Fair					X	X	X	X				24.4%
61	35.5	silver maple	Acer saccharinum	10.0	54	Poor	X		X									100.0%
62	35	tulip poplar	Liriodendron tulipifera	10.0	53	Good	X		X									100.0%
63	33.9	black wahmt	Juglans nigra	10.0	51	Good	X		X									100.0%
64	33.7	black locust	Robinia pseudoacacia	10.0	51	Fair	X		X									100.0%
65	34.5	American sycamore	Platanus occidentalis	10.0	53	Good	X	X	X	X								100.0%
66	36	American sycamore	Platanus occidentalis	10.0	54	Fair		X		X								30.6%
67	34.3	northern catalpa	Catalpa speciosa	10.0	51	Poor		X		X								30.3%
68	36.7	American sycamore	Platanus occidentalis	11.0	56	Good		X		X								35.8%
69	33.5	silver maple	Acer saccharinum	10.0	51	Fair		X		X								47.3%
70	32	black locust	Robinia pseudoacacia	10.0	48	Fair	X		X									100.0%
71	30	black cherry	Prunus serotina	10.0	45	Fair	X		X									100.0%
72	32.1	eastern cottonwood	Populus deltoides	10.0	48	Fair		X		X								41.4%
73	35	silver maple	Acer saccharinum	10.0	53	Fair	X		X									100.0%
74	43.5	silver maple	Acer saccharinum	11.0	66	Fair		X		X								49.4%
75	50	silver maple	Acer saccharinum	12.0	75	Good	X		X									100.0%
76	33.2	eastern cottonwood	Populus deltoides	10.0	50	Good	X		X									100.0%
77	31	eastern cottonwood	Populus deltoides	10.0	47	Fair	X		X									100.0%
78	35.9	tulip poplar	Liriodendron tulipifera	10.0	54	Good		X		X								42.4%
79	43	silver maple	Acer saccharinum	11.0	65	Good	X		X									100.0%
80	47.4	silver maple	Acer saccharinum	12.0	71	Fair		X		X								38.0%
81	48.2	silver maple	Acer saccharinum	12.0	72	Fair		X		X								37.0%
82	34.1	eastern cottonwood	Populus deltoides	10.0	51	Fair	X		X									100.0%
83	37.5	silver maple	Acer saccharinum	11.0	57	Fair		X		X								33.3%
84	41.5	black walnut	Juglans nigra	11.0	63	Good					X	X	X	X				2.6%
85	35.3,38.7	tulip poplar	Liriodendron tulipifera	12.0	78	Good		X		X								34.9%
86	31.8	tulip poplar	Liriodendron tulipifera	10.0	48	Good	X		X									100.0%

Wetland Studies and Solutions, Inc. a DAVEY company

Date: MARCH 2018

Tree List

Project: PURPLE LINE

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	SCRZ: Structural Critical Root Zone (radius) in Feet	CRZ: Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	CONDITION	Reason for Removal: TREE WHOLLY WITHIN CLEARING LIMITS	Reason for Removal: TREE ADJACENT TO CLEARING LIMITS - UNACCEPTABLE ROOT DAMAGE IS EXPECTED	Removal	Removal By Arborist	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Construction Oversight/Monitoring	Support Cable	Canopy Prune	Comments	% CRZ Loss
87	30.1	tulip poplar	Liriodendron tulipifera	10.0	45	Good	X		X									100.0%
88	34.2	tulip poplar	Liriodendron tulipifera	10.0	51	Good	X		X									100.0%
89	31.3	tulip poplar	Liriodendron tulipifera	10.0	47	Good	X		X									100.0%
90	32.8	tulip poplar	Liriodendron tulipifera	10.0	50	Good	X		X									100.0%
91	30.7	tulip poplar	Liriodendron tulipifera	10.0	47	Good	X		X									100.0%
92	42	tulip poplar	Liriodendron tulipifera	11.0	63	Good	X		X									100.0%
93	34.5	tulip poplar	Liriodendron tulipifera	10.0	53	Good	X		X									100.0%
94	32.6	tulip poplar	Liriodendron tulipifera	10.0	50	Good	X		X									100.0%
95	40.2,40.0	tulip poplar	Liriodendron tulipifera	13.0	86	Good	X		X									100.0%
96	32.5	tulip poplar	Liriodendron tulipifera	10.0	50	Good					X	X	X	X				2.2%
97	34.4	tulip poplar	Liriodendron tulipifera	10.0	51	Good					X	X	X	X				3.4%
98	38.2	tulip poplar	Liriodendron tulipifera	11.0	57	Good					X	X	X	X				12.7%
99	42.1	tulip poplar	Liriodendron tulipifera	11.0	63	Good	X		X									100.0%
100	35.2	tulip poplar	Liriodendron tulipifera	10.0	53	Good	X		X									100.0%
101	33.4	tulip poplar	Liriodendron tulipifera	10.0	50	Fair	X		X									100.0%
102	31.8	tulip poplar	Liriodendron tulipifera	10.0	48	Good	X		X									100.0%
103	32.3	tulip poplar	Liriodendron tulipifera	10.0	48	Good	X		X									100.0%
104	37.9	tulip poplar	Liriodendron tulipifera	11.0	57	Good	X		X									100.0%
105	46.3	tulip poplar	Liriodendron tulipifera	12.0	69	Good		X		X								38.4%
106	30	tulip poplar	Liriodendron tulipifera	10.0	45	Good	X		X									100.0%
107	30	tulip poplar	Liriodendron tulipifera	10.0	45	Good	X		X									100.0%
108	32.5,32.0	tulip poplar	Liriodendron tulipifera	11.0	68	Fair	X		X									100.0%
109	31.3	tulip poplar	Liriodendron tulipifera	10.0	47	Good	X		X									100.0%
110	33	American sycamore	Platanus occidentalis	10.0	50	Good	X		X									100.0%
111	31.1	American sycamore	Platanus occidentalis	10.0	47	Fair	X		X									100.0%
112	32.9	American sycamore	Platanus occidentalis	10.0	50	Good	X		X									100.0%
113	39.8	tulip poplar	Liriodendron tulipifera	11.0	60	Good	X		X									100.0%
114	44.6	tulip poplar	Liriodendron tulipifera	11.0	68	Good	X		X									100.0%
115	39	tulip poplar	Liriodendron tulipifera	11.0	59	Critical	X		X								recent storm damage - main leader broken	100.0%
116	35.9	green ash	Fraxinus pennsylvanica	10.0	54	Good		X		X								34.0%
117	32.5	tulip poplar	Liriodendron tulipifera	10.0	50	Good	X		X									100.0%
118	31.5	tulip poplar	Liriodendron tulipifera	10.0	48	Fair	X		X									100.0%
119	34	tulip poplar	Liriodendron tulipifera	10.0	51	Fair	X		X									100.0%
120	37	tulip poplar	Liriodendron tulipifera	11.0	56	Fair	X		X									100.0%
121	31	tulip poplar	Liriodendron tulipifera	10.0	47	Good	X		X									100.0%
122	36.7	tulip poplar	Liriodendron tulipifera	11.0	56	Good	X		X									100.0%
123	42.6	tulip poplar	Liriodendron tulipifera	11.0	65	Good	X		X									100.0%
124	30.5	tulip poplar	Liriodendron tulipifera	10.0	47	Good	X		X									100.0%
125	58	American sycamore	Platanus occidentalis	13.0	87	Fair	X		X									100.0%
126	31.1	American sycamore	Platanus occidentalis	10.0	47	Good						X						0.0%
127	41	American sycamore	Platanus occidentalis	11.0	62	Fair					X	X	X	X				7.4%
128	33.2	box elder	Acer negundo	10.0	50	Fair	X		X									100.0%
129	36	eastern cottonwood	Populus deltoides	10.0	54	Fair	X		X									100.0%
130	33.4	tulip poplar	Liriodendron tulipifera	10.0	50	Good	X		X									100.0%
131	35.5	tulip poplar	Liriodendron tulipifera	10.0	54	Fair	X		X									100.0%
132	31.9	black locust	Robinia pseudoacacia	10.0	48	Fair	X		X									100.0%
133	30.2	black locust	Robinia pseudoacacia	10.0	45	Fair	X		X									100.0%
134	37.7	black locust	Robinia pseudoacacia	11.0	57	Fair	X		X									100.0%
135	30.6	slippery elm	Ulmus rubra	10.0	47	Poor	X		X									100.0%
136	32.5	tulip poplar	Liriodendron tulipifera	10.0	50	Good	X		X									100.0%
137	31.7	tulip poplar	Liriodendron tulipifera	10.0	48	Fair	X		X									100.0%
138	31.9	tulip poplar	Liriodendron tulipifera	10.0	48	Good	X		X									100.0%
139	33	tulip poplar	Liriodendron tulipifera	10.0	50	Good	X		X									100.0%
140	38.6	tulip poplar	Liriodendron tulipifera	11.0	59	Good	X		X									100.0%
141	34.7	tulip poplar	Liriodendron tulipifera	10.0	53	Good	X		X									100.0%
142	31.5	black locust	Robinia pseudoacacia	10.0	48	Fair							X					0.0%
143	41.6	tulip poplar	Liriodendron tulipifera	11.0	63	Good	X		X									100.0%
144	36.3	tulip poplar	Liriodendron tulipifera	10.0	54	Good		X		X								41.8%
145	52	tulip poplar	Liriodendron tulipifera	12.0	78	Good	X		X									100.0%
146	31.8	tulip poplar	Liriodendron tulipifera	10.0	48	Good	X		X									100.0%
147	30.6	tulip poplar	Liriodendron tulipifera	10.0	47	Good	X		X									100.0%
148	38.6	tulip poplar	Liriodendron tulipifera	11.0	59	Good	X		X									100.0%
149	30.5	tulip poplar	Liriodendron tulipifera	10.0	47	Good	X		X									100.0%
150	36.1	tulip poplar	Liriodendron tulipifera	10.0	54	Fair	X		X									100.0%
151	35.1	tulip poplar	Liriodendron tulipifera	10.0	53	Good	X		X									100.0%
152	36.9	shingle oak	Quercus imbricaria	11.0	56	Good	X		X									100.0%
153	54.2	pin oak	Quercus palustris	12.0	81	Fair	X		X									100.0%
154	40.1	tulip poplar	Liriodendron tulipifera	11.0	60	Poor	X		X									100.0%
155	32.5	American sycamore	Platanus occidentalis	10.0	50	Poor	X		X									100.0%
156	50.4	silver maple	Acer saccharinum	12.0	75	Good		X		X								47.9%
157	55	tulip poplar	Liriodendron tulipifera	12.0	83	Good	X		X									100.0%
158	34.3	black oak	Quercus velutina	10.0	51	Fair	X		X									100.0%
159	38.8	tulip poplar	Liriodendron tulipifera	11.0	59	Good		X		X								57.0%
160	43.5	tulip poplar	Liriodendron tulipifera	11.0	66	Fair	X		X									100.0%
161	32.2	American sycamore	Platanus occidentalis	10.0	48	Fair	X		X									100.0%
162	38.7	tulip poplar	Liriodendron tulipifera	11.0	59	Poor	X		X									100.0%
163	34.6	tulip poplar	Liriodendron tulipifera	10.0	53	Poor	X		X									100.0%
164	42	tulip poplar	Liriodendron tulipifera	11.0	63	Fair	X		X									100.0%
165	30.9	tulip poplar	Liriodendron tulipifera	10.0	47	Fair	X		X									100.0%
166	36.5	tulip poplar	Liriodendron tulipifera	10.0	56	Fair	X		X									100.0%
167	33	tulip poplar	Liriodendron tulipifera	10.0	50	Poor	X		X									100.0%
168	32.5	tulip poplar	Liriodendron tulipifera	10.0	50	Poor	X		X									100.0%
169	39	tulip poplar	Liriodendron tulipifera	11.0	59	Good	X		X									100.0%
170	34	tulip poplar	Liriodendron tulipifera	10.0	51	Good	X		X									100.0%

Wetland Studies and Solutions, Inc. a DAVEY company

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

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FOREST CONSERVATION PLAN PREPARED BY:

Michael J. Klebasko

July 20, 2016

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(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESIGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

FOREST CONSERVATION PLAN

DATE: JULY 20, 2016 SCALE: AS NOTED

CONTRACT NO. ----

DRAWING NO. FCP-98

SHEET NO. 98 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_NOTES-DETAILS.dwg
PRINTED ON: 3 May 2018

Date: MARCH 2018

Tree List

Project: PURPLE LINE

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	SCRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	CONDITION	Reason for Removal: TREE WHOLLY WITHIN CLEARING LIMITS	Reason for Removal: TREE ADJACENT TO CLEARING LIMITS - UNACCEPTABLE ROOT DAMAGE IS EXPECTED	Removal	Removal By Arborist	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Construction Oversight/Monitoring	Support Cable	Canopy Prune	Comments	% CRZ Loss
171	32.4	tulip poplar	Liriodendron tulipifera	10.0	48	Fair	X		X									100.0%
172	47.9	tulip poplar	Liriodendron tulipifera	12.0	72	Fair		X		X								48.9%
173	38.7	tulip poplar	Liriodendron tulipifera	11.0	59	Fair	X		X									100.0%
174	47.7	tulip poplar	Liriodendron tulipifera	12.0	72	Fair		X		X								34.1%
175	31.8	tulip poplar	Liriodendron tulipifera	10.0	48	Good	X		X									100.0%
176	45.8	tulip poplar	Liriodendron tulipifera	12.0	69	Fair	X		X									100.0%
177	40.5	American sycamore	Platanus occidentalis	11.0	62	Fair		X		X								31.4%
178	31.8	tulip poplar	Liriodendron tulipifera	10.0	48	Good	X		X									100.0%
179	33.8	tulip poplar	Liriodendron tulipifera	10.0	51	Good	X		X									100.0%
180	41	tulip poplar	Liriodendron tulipifera	11.0	62	Good		X		X								44.5%
181	32.6	silver maple	Acer saccharinum	10.0	50	Fair		X		X								46.2%
182	37	tulip poplar	Liriodendron tulipifera	11.0	56	Good	X		X									100.0%
183	42.3	silver maple	Acer saccharinum	11.0	63	Fair	X		X									100.0%
184	33.7	tulip poplar	Liriodendron tulipifera	10.0	51	Good	X		X								Impact within SRZ	50.3%
185	32.5	silver maple	Acer saccharinum	10.0	50	Good	X		X									100.0%
186	33.7	silver maple	Acer saccharinum	10.0	51	Good	X		X									100.0%
187	36.2	silver maple	Acer saccharinum	10.0	54	Fair											tree previously removed	n/a
188	47.1	silver maple	Acer saccharinum	12.0	71	Poor											tree previously removed	n/a
189	34.6	pin oak	Quercus palustris	10.0	53	Good	X		X									100.0%
190	43.4	green ash	Fraxinus pennsylvanica	11.0	65	Good	X		X									100.0%
191	34.5	pin oak	Quercus palustris	10.0	53	Good		X		X								42.6%
192	31.6	pin oak	Quercus palustris	10.0	48	Good		X		X								42.8%
193	35.8	pin oak	Quercus palustris	10.0	54	Good	X		X									100.0%
194	34.8	pin oak	Quercus palustris	10.0	53	Good	X		X									100.0%
195	32.6	pin oak	Quercus palustris	10.0	50	Good	X		X									100.0%
196	34.7	pin oak	Quercus palustris	10.0	53	Good	X		X									100.0%
197	38.2	pin oak	Quercus palustris	11.0	57	Good	X		X									100.0%
198	36.7	pin oak	Quercus palustris	11.0	56	Good					X	X	X	X				4.8%
199	40.2	sweetbay magnolia	Magnolia virgiana	11.0	60	Good		X		X								68.7%
200	32.1	silver maple	Acer saccharinum	10.0	48	Fair	X		X									100.0%
201	44.3	silver maple	Acer saccharinum	11.0	66	Fair	X		X									100.0%
202	32.4	silver maple	Acer saccharinum	10.0	48	Good	X		X									100.0%
203	40.9	silver maple	Acer saccharinum	11.0	62	Good	X		X									100.0%
204	32	black locust	Robinia pseudoacacia	10.0	48	Good		X		X								61.3%
205	33.5	cedar spp.	Cupressaceae sp.	10.0	51	Good		X		X								59.7%
206	39.7	bald cypress	Taxodium distichum	11.0	60	Good	X		X									100.0%
207	46.5	silver maple	Acer saccharinum	12.0	71	Good	X		X									100.0%
208	36.6	pin oak	Quercus palustris	11.0	56	Good	X		X									100.0%
209	31.4	pin oak	Quercus palustris	10.0	47	Good		X		X								41.3%
210	36.1	pin oak	Quercus palustris	10.0	54	Good		X		X								38.3%
211	41	tulip poplar	Liriodendron tulipifera	11.0	62	Good	X		X									100.0%
212	33.1	pin oak	Quercus palustris	10.0	50	Good	X		X									100.0%
213	30.2	red maple	Acer rubrum	10.0	45	Good	X		X									100.0%
214	36.5	tulip poplar	Liriodendron tulipifera	10.0	56	Good	X		X									100.0%
215	41	silver maple	Acer saccharinum	11.0	62	Good		X		X								43.7%
216	41.7	pin oak	Quercus palustris	11.0	63	Good	X		X									100.0%
217	40	tulip poplar	Liriodendron tulipifera	11.0	60	Good	X		X									100.0%
218	35.5	silver maple	Acer saccharinum	10.0	54	Fair	X		X									100.0%
219	35.7	pin oak	Quercus palustris	10.0	54	Good	X		X									100.0%
220	38.6	willow oak	Quercus phellos	11.0	59	Good		X		X								39.7%
221	32	silver maple	Acer saccharinum	10.0	48	Fair						X						0.0%
222	45	southern red oak	Quercus falcata	11.0	68	Good		X		X								33.1%
223	32	shingle oak	Quercus imbricaria	10.0	48	Good		X		X								35.7%
224	41.2	tulip poplar	Liriodendron tulipifera	11.0	62	Good		X		X								39.0%
225	32.7	river birch	Betula nigra	10.0	50	Fair		X		X								36.4%
226	34.8	tulip poplar	Liriodendron tulipifera	10.0	53	Good	X		X									100.0%
227	37.6	tulip poplar	Liriodendron tulipifera	11.0	57	Good	X		X									100.0%
228	33.9	tulip poplar	Liriodendron tulipifera	10.0	51	Good		X		X								73.8%
229	39.6	pin oak	Quercus palustris	11.0	60	Good	X		X									100.0%
230	30	pin oak	Quercus palustris	10.0	45	Good	X		X									100.0%
231	37.5	pin oak	Quercus palustris	11.0	57	Good						X						0.0%
232	40	tulip poplar	Liriodendron tulipifera	11.0	60	Good		X		X							Root damage within SRZ likely	23.1%
233	33.8	tulip poplar	Liriodendron tulipifera	10.0	51	Fair	X		X									100.0%
234	32.8	tulip poplar	Liriodendron tulipifera	10.0	50	Fair	X		X									100.0%
235	34	tulip poplar	Liriodendron tulipifera	10.0	51	Good	X		X									100.0%
236	45.1	black cherry	Prunus serotina	11.0	68	Fair		X		X								47.6%
237	33.0,31.0	honeylocust	Gleditsia triacanthos	11.0	68	Poor		X		X								36.1%
238	33.5	white oak	Quercus alba	10.0	51	Good	X		X									100.0%
239	32	white oak	Quercus alba	10.0	48	Fair		X		X								38.3%
240	35.3	pin oak	Quercus palustris	10.0	53	Good					X	X	X	X				29.6%
241	30.7	pin oak	Quercus palustris	10.0	47	Good	X		X									100.0%
242	31.2	oak spp.	Quercus spp.	10.0	47	Good		X		X							SRZ impacts	46.1%
243	30	pin oak	Quercus palustris	10.0	45	Fair	X		X									100.0%
244	35	pin oak	Quercus palustris	10.0	53	Fair	X		X									100.0%
245	35.1	northern red oak	Quercus rubra	10.0	53	Good					X	X	X	X				18.8%
246	34.7	green ash	Fraxinus pennsylvanica	10.0	53	Critical				X							recent storm damage - main leader broken	14.0%
247	37.3	tulip poplar	Liriodendron tulipifera	11.0	56	Good		X		X								50.3%
248	34.8	American sycamore	Platanus occidentalis	10.0	53	Fair	X		X									100.0%
249	32.5	American sycamore	Platanus occidentalis	10.0	50	Fair					X	X	X	X				8.7%

Date: MARCH 2018

Tree List

Project: PURPLE LINE

Tree #	DBH (Diameter at 4.5 feet above grade)	Common Name	Botanical Name	SCRZ Structural Critical Root Zone (radius) in Feet	CRZ Critical Root Zone Radius in Ft (1.5 ft radius/in DBH)	CONDITION	Reason for Removal: TREE WHOLLY WITHIN CLEARING LIMITS	Reason for Removal: TREE ADJACENT TO CLEARING LIMITS - UNACCEPTABLE ROOT DAMAGE IS EXPECTED	Removal	Removal By Arborist	Preservation Measures: Root Prune	Tree Protection Fence	Mulch	Construction Oversight/Monitoring	Support Cable	Canopy Prune	Comments	% CRZ Loss
250	31.9	red maple	Acer rubrum			Dead											tree dead - fallen down	n/a
251	36.6	American sycamore	Platanus occidentalis	11.0	56	Fair					X	X	X	X				15.2%
252	33.8	willow oak	Quercus phellos	10.0	51	Fair		X		X								49.0%
253	33.5	willow oak	Quercus phellos	10.0	51	Critical		X		X							severe decline - near dead	27.9%
254	32.4	willow oak	Quercus phellos	10.0	48	Good		X		X								45.2%
255	37.8	pin oak	Quercus palustris	11.0	57	Good	X		X									100.0%
256	39.6	pin oak	Quercus palustris	11.0	60	Good					X	X	X	X				16.5%
257	36.6	pin oak	Quercus palustris	11.0	56	Good					X	X	X	X				12.0%
258	33.5	pin oak	Quercus palustris	10.0	51	Fair					X	X	X	X				13.8%
259	31.7	pin oak	Quercus palustris	10.0	48	Good		X		X								38.2%
260	39.1	pin oak	Quercus palustris	11.0	59	Fair	X		X									100.0%
261	32	willow oak	Quercus phellos	10.0	48	Good						X						0.0%
262	31	willow oak	Quercus phellos	10.0	47	Fair					X	X	X	X				13.4%
263	53.5	northern catalpa	Catalpa speciosa	12.0	81	Good		X		X								58.3%
264	34.6	bald cypress	Taxodium distichum	10.0	53	Good	X		X									100.0%
265	32.5	pin oak	Quercus palustris	10.0	50	Good					X	X	X	X				4.4%
266	31.9	sweetgum	Liquidambar styraciflua	10.0	48	Good						X						0.0%
267	30	willow oak	Quercus phellos	10.0	45	Fair	X		X									100.0%
268	37.2	sawtooth oak	Quercus acutissima	11.0	56	Good	X		X									100.0%
269	33.2	willow oak	Quercus phellos	10.0	50	Good	X		X									100.0%
270	33.3	willow oak	Quercus phellos	10.0	50	Good	X		X									100.0%
271	41.5	willow oak	Quercus phellos	11.0	63	Good					X	X	X	X				13.6%
272	34.9	willow oak	Quercus phellos	10.0	53	Good						X						0.0%
273	39	willow oak	Quercus phellos	11.0	59	Good		X		X							Root damage within SRZ likely	22.3%
274	31.4	willow oak	Quercus phellos	10.0	47	Good						X						0.0%
275	47.4	willow oak	Quercus phellos	12.0	71	Good						X						0.0%
276	38.1	willow oak	Quercus phellos	11.0	57	Good						X						0.0%
277	31.2	willow oak	Quercus phellos	10.0	47	Good						X						0.0%
278	30.4	honey locust	Gleditsia triacanthos	10.0	45	Fair	X		X									100.0%
279	39.3	willow oak	Quercus phellos	11.0	59	Good						X						0.0%
280	37	willow oak	Quercus phellos	11.0	56	Good						X						0.0%
281	31.9	willow oak	Quercus phellos	10.0	48	Good						X						0.0%
282	32.8	pin oak	Quercus palustris	10.0	50	Good	X		X									100.0%
283	44.7	pin oak	Quercus palustris	11.0	68	Good	X		X									100.0%
284	33.3	willow oak	Quercus phellos	10.0	50	Good	X		X									100.0%
285	36.4	white oak	Quercus alba	10.0	54	Good	X		X									100.0%
286	31.8	loblolly pine	Pinus taeda	10.0	48	Fair	X		X									100.0%
287	32.7	white oak	Quercus alba	10.0	50	Fair		X		X								47.2%
288	32.8	white oak	Quercus alba	10.0	50	Fair					X	X	X	X				14.0%
289	34	white oak	Quercus alba	10.0	51	Fair						X						0.0%
290	31	white oak	Quercus alba	10.0	47	Good					X	X	X	X				12.2%
291	33.9	white oak	Quercus alba	10.0	51	Good	X		X									100.0%
292	34	southern red oak	Quercus falcata	10.0	51	Fair	X		X									100.0%
293	36.4	tulip poplar	Liriodendron tulipifera	10.0	54	Fair	X		X									100.0%
294	31	red maple	Acer rubrum	10.0	47	Poor	X		X									100.0%
295	31.4	red maple	Acer rubrum	10.0	47	Fair	X		X									100.0%
296	43.4	tulip poplar	Liriodendron tulipifera	11.0	65	Fair		X		X								50.2%
297	42.4	tulip poplar	Liriodendron tulipifera	11.0	63	Poor	X		X									100.0%
298	34.4	tulip poplar	Liriodendron tulipifera	10.0	51	Good	X		X									100.0%
299	38.4	tulip poplar	Liriodendron tulipifera	11.0	57	Good	X		X									100.0%
300	43	willow oak	Quercus phellos	11.0	65	Good						X						0.0%
301	32	sweetgum	Liquidambar styraciflua	10.0	48	Fair						X						0.0%
302	36.1	eastern cottonwood	Populus deltoides	10.0	54	Fair						X						0.0%
303	31	tulip poplar	Liriodendron tulipifera	10.0	47	Good					X	X	X	X				4.9%
304	47.5	swamp white oak	Quercus bicolor	12.0	72	Good					X	X	X	X				7.6%
305	31.5	northern red oak	Quercus rubra	10.0	48	Fair		X		X								35.7%
306	48	willow oak	Quercus phellos	12.0	72	Fair	X		X									100.0%
307	44.8	white oak	Quercus alba	11.0	68	Good						X						0.0%
308	47.7	pin oak	Quercus palustris	12.0	72	Good						X						0.0%
309	36.2	chestnut oak	Quercus prinus	10.0	54	Good	X		X									100.0%
310	43.4	willow oak	Quercus phellos	11.0	65	Good						X						0.0%
311	31.5	tulip poplar	Liriodendron tulipifera	10.0	48	Good						X						0.0%
312	32	tulip poplar	Liriodendron tulipifera	10.0	48	Good						X						0.0%
313	44	tulip poplar	Liriodendron tulipifera	11.0	66	Good						X						0.0%
314	38	white oak	Quercus alba	11.0	57	Good						X						0.0%
315	47.5	northern red oak	Quercus rubra	12.0	72	Good						X						0.0%
401	37	willow oak	Quercus phellos	11.0	56	Fair	X		X									100.0%
						TOTALS:	195	65										

Forest Conservation Worksheet 2.2

Net Tract Area

A.	Total Tract Area	A =	408.61
B.	Deductions	B =	219.33
C.	Net Tract Area	C =	189.28

Land Use Category

Input the number "1" under the appropriate land use zoning, and limit to only one entry

ARA	MDR	IDA	HDR	MPD	CIA
0	0	1	0	0	0

D.	Afforestation Threshold (Net Tract Area x 15%)	D =	28.39
E.	Conservation Threshold (Net Tract Area x 20%)	E =	37.86

Existing Forest Cover

F.	Existing Forest Cover within the Net Tract Area	F =	42.71
G.	Area of Forest Above Conservation Threshold	G =	4.86

Break Even Point

H.	Break Even Point	H =	38.83
I.	Forest Clearing Permitted Without Mitigation	I =	3.89

Proposed Forest Clearing

J.	Total Area of Forest to be Cleared	J =	42.56
K.	Total Area of Forest to be Retained	K =	0.15

Planting Requirements

L.	Reforestation for Clearing Above the Conservation Threshold	L =	1.21
M.	Reforestation for Clearing Below the Conservation Threshold	M =	75.41
N.	Credit for Retention above the Conservation Threshold	N =	0.00
P.	Total Reforestation Required	P =	76.62
Q.	Total Afforestation Required	Q =	0.00
R.	Total Planting Requirement	R =	76.62

FOREST MITIGATION NOTES:

ALL FOREST MITIGATION FOR THIS PROJECT WILL BE SATISFIED THROUGH OFFSITE FOREST MITIGATION BANKS. 66 ACRES WILL BE PROVIDED BY MTA FROM THE 82.52 ACRES OF CREDITS MTA HAS PURCHASED AS LISTED BELOW. THE REMAINING MITIGATION OBLIGATION OF 10.62 ACRES WILL EITHER BE PROVIDED BY MTA AT THESE BANKS OR PURCHASED FROM OTHER BANKS IN THE WASHINGTON METROPOLITAN WATERSHED.

1. *INDEPENDENCE FARM (MONTGOMERY COUNTY) 28.93 ACRES AND 16.69 ACRES (40 ACRES PROVIDED, 5.62 ACRES AVAILABLE)*

2. *OLD MARSHALL HALL ROAD (PRINCE GEORGE'S COUNTY) 36.9 ACRES (26 ACRES PROVIDED, 10.9 ACRES AVAILABLE)*

FOREST MITIGATION SITE SEARCH:

STARTING IN 2014, AN EXTENSIVE FOREST MITIGATION SITE SEARCH WAS CONDUCTED BY COASTAL RESOURCES, INC. AS PART OF THE PURPLE LINE – GENERAL ENGINEERING CONSULTANT TE… THE SITE SELE… UNDER SEPARA…

APPROVED
Forest Conservation Plan
(authorization)
07/15/19
(date)
State of Maryland
Forest Conservation Program
FCP # S14-07
Amend. 06/21/19

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

FOREST CONSERVATION PLAN PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
06	REVISED LOD AREAS AND CALCULATIONS	PD	6/12/2019
05	REVISED LOD AREAS AND CALCULATIONS	CH	1/30/19
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

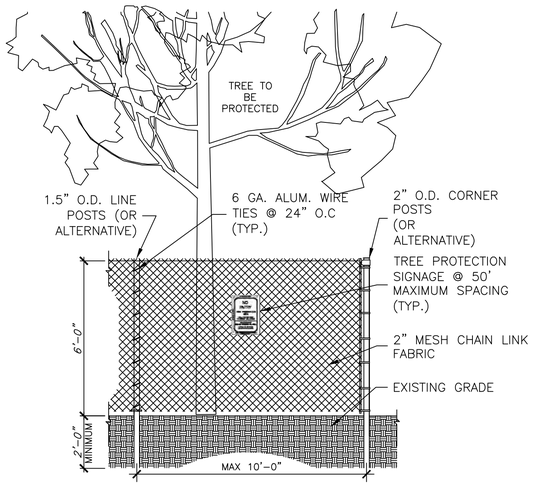
REVISIONS

DESGN CJH | DRAWN CJH | CHECK MJK | APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN
DATE: JULY 20, 2016 SCALE: AS NOTED

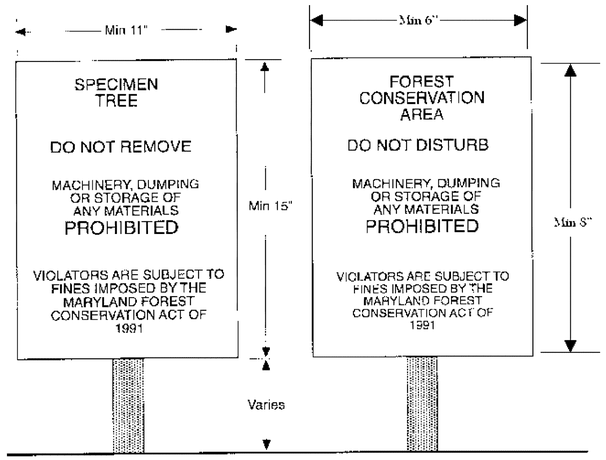
CONTRACT NO. ----
DRAWING NO. FCP-99
SHEET NO. 99 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP-99_NOTES-DETAILS.dwg
PRINTED ON: 13 June 2019



NOTES:
1. TREE PROTECTION FENCE SHALL BE INSTALLED PRIOR TO ANY SITE WORK, CLEARING OR DEMOLITION.
2. SUPER SILT FENCE MAY BE USED IN LIEU OF A SEPARATE TREE PROTECTION PROVIDED IT IS INSTALLED AND MAINTAINED AS REQUIRED FOR TREE PROTECTION AND IS POSTED WITH TREE PROTECTION SIGNS.
3. TREE PROTECTION FENCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. REMOVE FENCE ONLY WITH APPROVAL AND AFTER ALL SITE WORK HAS BEEN COMPLETED.

1/100 CHAIN LINK TREE PROTECTION FENCE (TYPICAL)
SCALE: NTS



Notes:
1. **Bottom of signs to be higher than top of tree protection fence.**
2. **Signs to be placed approximately 50' feet apart. Conditions on site affecting visibility may warrant placing signs closer or farther apart.**
3. **Attachment of signs to trees is prohibited.**
4. **Signs may be removed from residential lots upon issuance of Use and Occupancy for retention forest only.**
5. **All signage must remain during the maintenance period.**

2/100 TREE PROTECTION SIGN (TYP)
SCALE: NTS

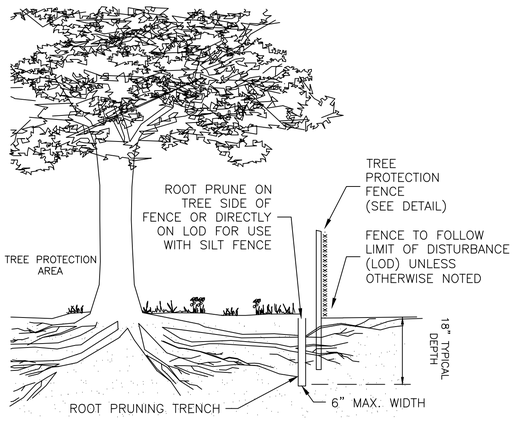
ADDITIONAL NOTES:
1. *TREE LOCATIONS MAY BE APPROXIMATE. OWNER AND CONTRACT ARBORIST SHALL VERIFY ALL TREE LOCATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND/OR TREATMENT OR REMOVAL.*
2. *PRE-CONSTRUCTION MEETING SHALL BE HELD PRIOR TO COMMENCEMENT OF DEMOLITION/CONSTRUCTION ACTIVITY. MDNR FOREST SERVICE, OWNER, DESIGN TEAM MEMBERS (PROJECT ARBORIST, LANDSCAPE ARCHITECT, ENGINEER AND ARCHITECT), CONTRACT ARBORIST, SITE AND LANDSCAPE CONTRACTORS SHALL ATTEND.*
3. *THE INSPECTION OF THESE TREES CONSISTED SOLELY OF A VISUAL INSPECTION FROM THE GROUND. WHILE MORE THOROUGH TECHNIQUES ARE AVAILABLE FOR INSPECTION AND EVALUATION, THEY WERE NEITHER REQUESTED NOR CONSIDERED NECESSARY OR APPROPRIATE AT THIS TIME.*
4. *TREES RATED "POOR" OR "DEAD" THAT ARE NOT RECOMMENDED FOR REMOVAL DUE TO CONSTRUCTION IMPACT MAY WARRANT FURTHER EVALUATION AND/OR TREATMENT OR REMOVAL.*
5. *ANY TREE REMOVED FROM PARK OWNED LAND MAY REQUIRE REPLACEMENT AT THE DISCRETION OF MNCPPC. REPLACEMENT TREES SHALL BE INCLUDED IN THE FINAL LANDSCAPE PLAN.*
6. *A PRE-CONSTRUCTION INSPECTION OF FOREST PROTECTION DEVICES BY MDNR FOREST SERVICE IS REQUIRED BEFORE CONSTRUCTION MAY BEGIN. CONTACT MDNR FOREST SERVICE AT 410-360-9774 TO SCHEDULE THE INSPECTION.*

BEST MANAGEMENT PRACTICES FOR WORKING IN NONTIDAL WETLANDS, WETLAND BUFFERS, WATERWAYS, AND 100-YEAR FLOODPLAINS

1) No excess fill, construction material, or debris shall be stockpiled or stored in nontidal wetlands, nontidal wetland buffers, waterways, or the 100-year floodplain.
2) Place materials in a location and manner which does not adversely impact surface or subsurface water flow into or out of nontidal wetlands, nontidal wetland buffers, waterways, or the 100-year floodplain.
3) Do not use the excavated material as backfill if it contains waste metal products, unsightly debris, toxic material, or any other deleterious substance. If additional backfill is required, use clean material free of waste metal products, unsightly debris, toxic material, or any other deleterious substance.
4) Place heavy equipment on mats or suitably operate the equipment to prevent damage to nontidal wetlands, nontidal wetland buffers, waterways, or the 100-year floodplain.
5) Repair and maintain any serviceable structure or fill so there is no permanent loss of nontidal wetlands, nontidal wetland buffers, or waterways, or permanent modification of the 100-year floodplain in excess of that lost under the originally authorized structure or fill.
6) Rectify any nontidal wetlands, wetland buffers, waterways, or 100-year floodplain temporarily impacted by any construction.
7) All stabilization in the nontidal wetland and nontidal wetland buffer shall consist of the following species: Annual Ryegrass (Lolium multiflorum), Millet (Setaria italica), Barley (Hordeum sp.), Oats (Uniola sp.), and/or Rye (Secale cereale). These species will allow for the stabilization of the site while also allowing for the voluntary revegetation of natural wetland species. Other non-persistent vegetation may be acceptable, but must be approved by the Nontidal Wetlands and Waterways Division. **Kentucky 31 fescue shall not be utilized in wetland or buffer areas.** The area should be seeded and mulched to reduce erosion after construction activities have been completed.
8) After installation has been completed, make post-construction grades and elevations the same as the original grades and elevations in temporarily impacted areas.
9) To protect aquatic species, in-stream work is prohibited as determined by the classification of the stream:

   Use I waters: In-stream work shall not be conducted during the period March 1 through June 15, inclusive, during any year.
   Use III waters: In-stream work shall not be conducted during the period October 1 through April 30, inclusive, during any year.
   Use IV waters: In-stream work shall not be conducted during the period March 1 through May 31, inclusive, during any year.

10) Stormwater runoff from impervious surfaces shall be controlled to prevent the washing of debris into the waterway.
11) Culverts shall be constructed and any riprap placed so as not to obstruct the movement of aquatic species, unless the purpose of the activity is to impound water.



NOTES:
1. TREE PROTECTION AREA WILL BE DETERMINED AS PART OF THE PLAN REVIEW PROCESS. EXACT LOCATION, DEPTH AND METHODS OF ROOT PRUNING TO BE DETERMINED IN THE FIELD BY PROJECT ARBORIST.
2. EXACT LOCATION OF TREE PROTECTION AREAS SHALL BE STAKED OR FLAGGED PRIOR TO TRENCHING.
3. TRENCH SHOULD BE BACKFILLED IMMEDIATELY OR INCORPORATED WITH SILT FENCE INSTALLATION.
4. ROOTS SHOULD BE SEVERED BY TRENCHER, VIBRATORY PLOW OR APPROVED EQUIVALENT. ROOTS OVER 1.5" DIAMETER SHOULD BE CLEANLY CUT BY HAND. ROOT PRUNING ADJACENT TO SPECIMEN TREES MAY REQUIRE SOIL REMOVAL BY SUPERSONIC AIR TOOL TO MINIMIZE TREE AND ROOT IMPACTS.

3/100 ROOT PRUNING (TYPICAL)
SCALE: NTS

TREE PRESERVATION SPECIFICATIONS AND NARRATIVE

1. GENERAL
1.1. ALL MEASURES WILL BE REVIEWED AFTER INSTALLATION AND APPROVED BY OWNER AND *MDNR FOREST SERVICE*.
1.2. SUBSTITUTIONS OR ALTERNATIVE METHODS OR MATERIALS SHALL BE REVIEWED AND APPROVED BY *MDNR FOREST SERVICE*.
1.3. ALL TREE PROTECTION MEASURES MUST BE IN PLACE PRIOR TO COMMENCEMENT OF DEMOLITION, SITE CLEARING OR CONSTRUCTION AND MAINTAINED THROUGHOUT CONSTRUCTION. TREE PROTECTION MEASURES MAY ONLY BE REMOVED WITH *MDNR FOREST SERVICE* APPROVAL.
1.4. REFER TO THE TREE PROTECTION ACTION KEY (TPAK) FOR SPECIFIC RECOMMENDATIONS FOR EACH TREE.
2. REMOVAL BY ARBORIST
2.1. TREES DESIGNATED AS "REMOVAL BY ARBORIST" SHALL BE REMOVED BY A QUALIFIED ARBORIST "BY HAND", TO MINIMIZE POTENTIAL FOR DAMAGE TO REMAINING TREES AND ROOTS.
2.2. CREWS SHALL BE DIRECTLY SUPERVISED BY A CERTIFIED ARBORIST.
2.3. TRUCKS AND MECHANIZED EQUIPMENT SHALL NOT ENTER THE FENCED TREE PROTECTION AREAS.
2.4. STUMPS SHALL BE LEFT IN PLACE OR GROUND OUT AT THE OWNERS DISCRETION. STUMPS IN TURF/LANDSCAPE AREAS OR WITHIN ROOT AERATION MATTING AREAS SHALL BE GROUND.
2.5. STUMP GRINDING SHALL BE WITH SMALL MACHINES SPECIFICALLY DESIGNED FOR THAT PURPOSE. NO STUMPS SHALL BE EXCAVATED EXCEPT AS DESCRIBED HEREIN. STUMPS SHALL BE GROUND NOT MORE THAN 8" BELOW GRADE AND CARE MUST BE TAKEN TO MINIMIZE DAMAGE TO ROOTS OF RETAINED TREES.
3. TREE PROTECTION FENCE
3.1. TYPICALLY, INSTALL AFTER ROOT PRUNING AND PRIOR TO CLEARING & GRADING.
3.2. FENCE SHALL BE ONE OF THE FOLLOWING: (SEE DETAIL)
3.2.1. 6' HIGH CHAIN LINK FENCE FABRIC MOUNTED ON 8', 1.5"ø GALVANIZED STEEL PIPE LINE POSTS. CORNER POSTS SHALL BE 2"ø. FENCE SHALL BE ATTACHED TO POSTS USING ALUMINUM TIES. PLASTIC "ZIP" TIES SHALL NOT BE USED.
3.2.2. SUPER SILT FENCE INSTALLED AS SPECIFIED BY MARYLAND STATE AND/OR LOCAL REQUIREMENTS, AND SIGNED AS TREE PROTECTION.
3.3. TREE PROTECTION AREA SIGNS SHALL BE AFFIXED TO ALL TREE PROTECTION FENCE AT 50' MAXIMUM SPACING. SIGNS SHALL BE BILINGUAL (ENGLISH AND SPANISH). SIGNS SHALL NOT BE AFFIXED DIRECTLY TO TREES. SEE DETAIL.
3.4. SILT FENCE SHALL BE COORDINATED FOR INSTALLATION TO ENHANCE PROTECTION AND AVOID UNNECESSARY ROOT CUTS BY SILT FENCE INSTALLATION.
3.5. FENCE MAY BE REMOVED ONLY AFTER ALL CONSTRUCTION AND FINAL LANDSCAPING IS COMPLETE AND WITH *MDNR FOREST SERVICE* APPROVAL.
4. ROOT PRUNE
4.1. THE EXACT LOCATION AND DEPTH WILL BE DETERMINED DURING THE PRE-CONSTRUCTION MEETING. SPECIFIC EQUIPMENT & METHODS WILL BE DETERMINED BY *MDNR FOREST SERVICE* BASED UPON DEPTH & TREE IMPACT. (SEE DETAIL)
4.2. HAND PRUNE ROOTS OVER 1" DIAMETER WITHIN CRZS OF SIGNIFICANT TREES. STEEP SLOPES, DEEP EXCAVATIONS AND PAVEMENT/CURB REMOVAL WILL BE REVIEWED WHEN OPEN FOR HAND ROOT PRUNING DURING CONSTRUCTION.
4.3. COORDINATE WITH SILT FENCE INSTALLATION TO MINIMIZE UNNECESSARY ROOT DAMAGE.
4.4. WHERE POSSIBLE AND AT THE DIRECTION OF *MDNR FOREST SERVICE*, USE OF FILTER LOGS IN LIEU OF SILT FENCE MAY BE PREFERRED. USE OF FILTER LOGS MAY REDUCE THE NEED FOR ROOT PRUNING IN SOME CASES. COORDINATE ALL EROSION CONTROLS WITH THE ARBORIST.
4.5. ROOT PRUNING SHALL BE PERFORMED BY A CERTIFIED ARBORIST.
5. WOOD CHIP MULCH
5.1. INSTALL MULCH FOR DESIGNATED SIGNIFICANT TREES. MULCH AREA SHALL BE ONE OF THE FOLLOWING, AT THE DISCRETION OF THE CONTRACT ARBORIST AND OWNER:
5.1.1. INSTALL MULCH BED RINGS. MULCH SHOULD COVER AT LEAST THE ENTIRE STRUCTURAL ROOT ZONE. LARGER MULCH BEDS ARE PREFERRED.
5.1.2. PROVIDE CONTINUOUS MULCH STRIP 10' TO 15' WIDE ALONG LOD WITHIN PRESERVED CRZ AREAS.
5.2. NO MULCH SHALL BE PLACED WITHIN WETLANDS, STREAMS OR OTHER SENSITIVE AREAS AT THE DIRECTION OF *MDNR FOREST SERVICE*.
5.3. MULCH SHALL BE INSTALLED TO A DEPTH OF 4".
5.4. MULCH SHALL BE DOUBLE GROUND SHREDDED HARDWOOD, AGED FOR AT LEAST 6 MONTHS FROM AN APPROVED SOURCE. INSUFFICIENTLY OR IMPROPERLY AGED MULCH CONTAINING HIGH BACTERIAL COUNTS OR HIGH LEVELS OF BARK OR OTHER MATERIALS RESISTANT TO DECOMPOSITION SHALL NOT BE USED. MULCH SHALL NOT CONTACT TRUNK OF TREES.
5.5. EDGING IS NEITHER NECESSARY NOR DESIRABLE FOR THIS OPERATION.
5.6. ONCE INSTALLED, MULCH SHOULD REMAIN IN PLACE PERMANENTLY AND BE ALLOWED TO DEGRADE NATURALLY.
6. CONSTRUCTION MONITORING/INSPECTIONS
6.1. A CERTIFIED ARBORIST SHALL MAKE REGULAR MONTHLY INSPECTIONS DURING ACTIVE CONSTRUCTION AND DEMOLITION AND PROVIDE REPORTS TO THE OWNER AND *MDNR FOREST SERVICE*. REPORTS SHALL DOCUMENT CONDITION OF TREE PROTECTION DEVICES AND PROVIDE RECOMMENDATIONS FOR MAINTENANCE AND/OR ADDITIONAL CARE.
7. MISCELLANEOUS TREE PROTECTION REQUIREMENTS
7.1. NO TOXIC MATERIALS SHALL BE STORED WITHIN 100' OF TREE PROTECTION AREAS.
7.2. ALL WORK IN OR NEAR TREE PROTECTION AREAS SHALL BE PERFORMED IN A MANNER TO MINIMIZE DAMAGE TO TREES, SHRUBS, GROUND COVER, SOIL AND ROOT SYSTEMS.
7.3. MECHANIZED EQUIPMENT SHALL NOT BE PERMITTED TO ENTER ANY TREE PROTECTION AREAS.
8. CANOPY PRUNING & SUPPORT CABLES
8.1. CANOPY PRUNING SHALL BE CLEANING PRUNING AND/OR RESTORATION PRUNING AND SHALL BE IN CONFORMANCE WITH CURRENT ANSI A300 STANDARDS AND ISA BEST MANAGEMENT PRACTICES.
8.2. PRUNING SHALL REMOVE ONLY DEAD, DYING, DAMAGED OR BROKEN BRANCHES GREATER THAN 1" IN DIAMETER. PRUNING OF SMALL TREES MAY INCLUDE REMOVAL OF LIMBS TO IMPROVE STRUCTURE.
8.3. FOLIAGE REMOVAL SHALL NOT BE MORE THAN 25% OF THE TOTAL LIVE CANOPY VOLUME OF ANY TREE IN ANY ONE SEASON. PRUNING SHALL NOT REMOVE INTERIOR BRANCHING EXCEPT AS OTHERWISE STATED.
8.4. PRUNING FOR SPECIFIC CLEARANCE (FOR CONSTRUCTION ACCESS OR PROPOSED IMPROVEMENTS) SHALL BE REVIEWED AND APPROVED BY THE OWNER AND *MDNR FOREST SERVICE*.
8.5. SUPPORT CABLES SHALL BE INSTALLED IN CONFORMANCE WITH CURRENT ANSI A300 STANDARDS AND ISA BEST MANAGEMENT PRACTICES.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION — MTA Maryland

Wetland Studies and Solutions, Inc. — a DAVEY company

FOREST CONSERVATION PLAN PREPARED BY:
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
04	REVISED LOD AREAS AND CALCULATIONS	CH	5/3/18
03	REVISED LOD AREAS AND CALCULATIONS	CH	1/5/18
02	REVISED LOD AREAS AND CALCULATIONS	CH	8/25/17
01	REVISED LOD AREAS AND CALCULATIONS	CH	7/10/17

REVISIONS

DESGN CJH
DRAWN CJH
CHECK MJK
APPR MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN
DATE: JULY 20, 2016 SCALE: AS NOTED

CONTRACT NO. ----
DRAWING NO. FCP-100
SHEET NO. 100 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD11286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD11286.01_NOTES-DETAILS.dwg
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