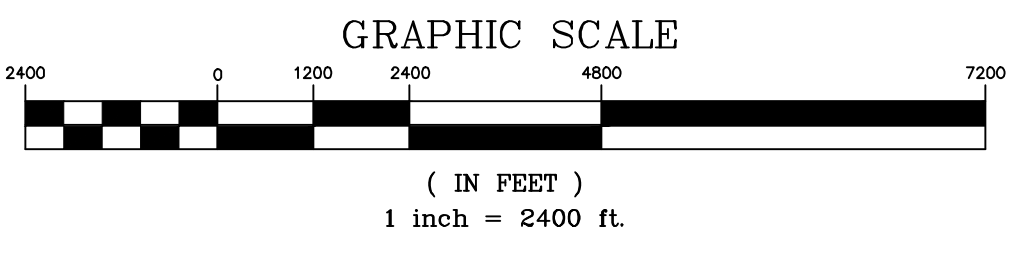


VICINITY MAP
SOURCE: ESRI ARCGIS ONLINE
SCALE: 1 INCH = 4 MILES



MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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
REVISIONS			

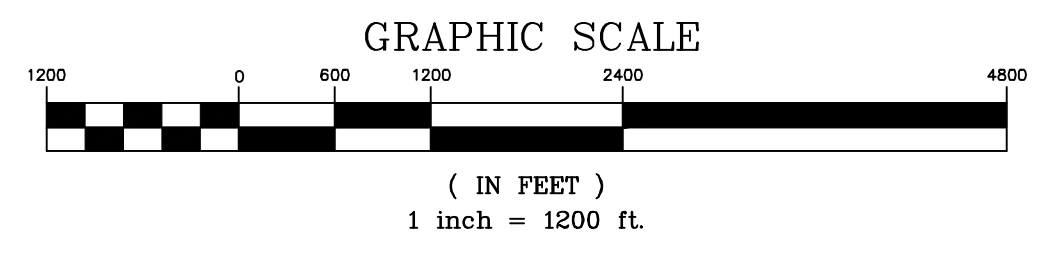
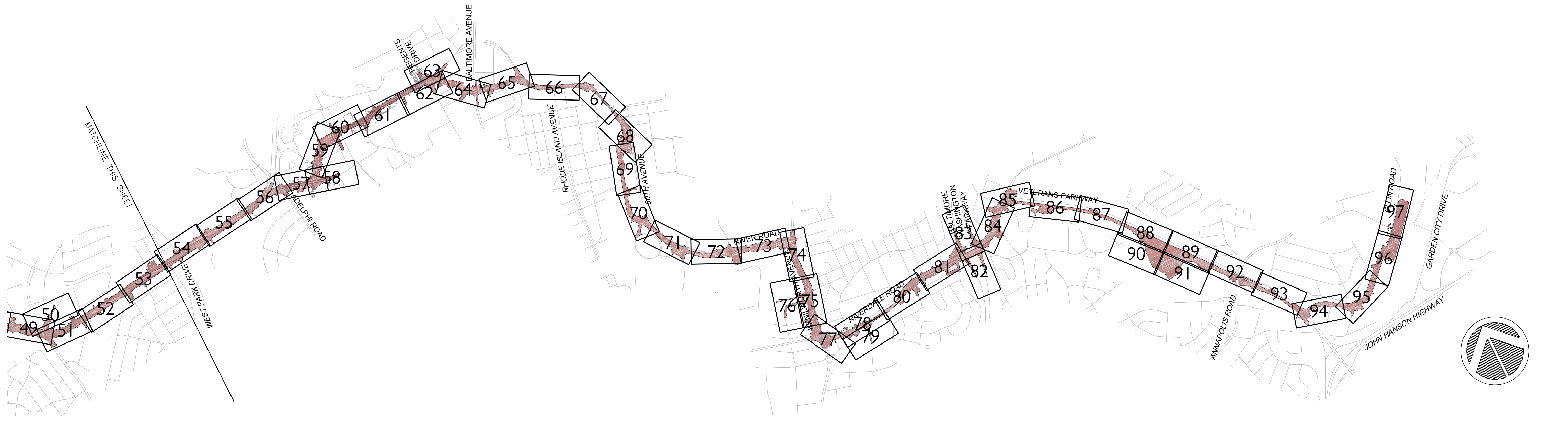
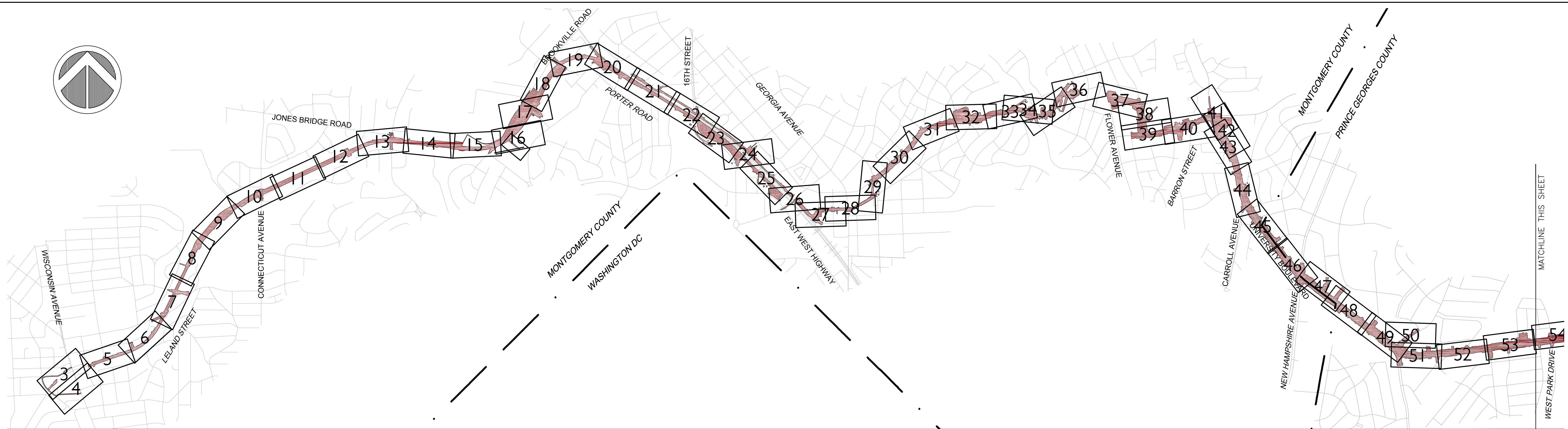
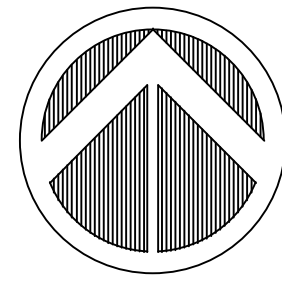
DESIGN: CJH
DRAWN: CJH
CHECK: MJK
APPROVED: MJK

**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



MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

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			

DESIGN	CJH
CHECK	CJH
DRAWN	MJK
APPROVED	MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL

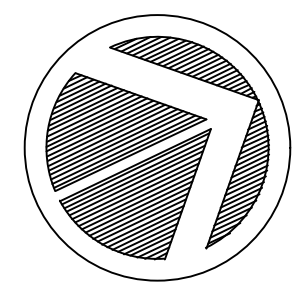
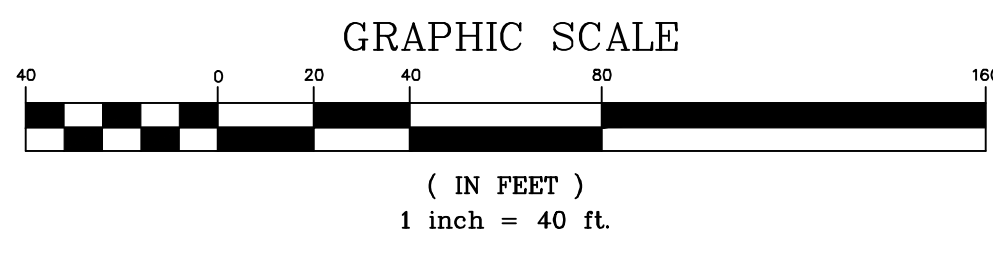
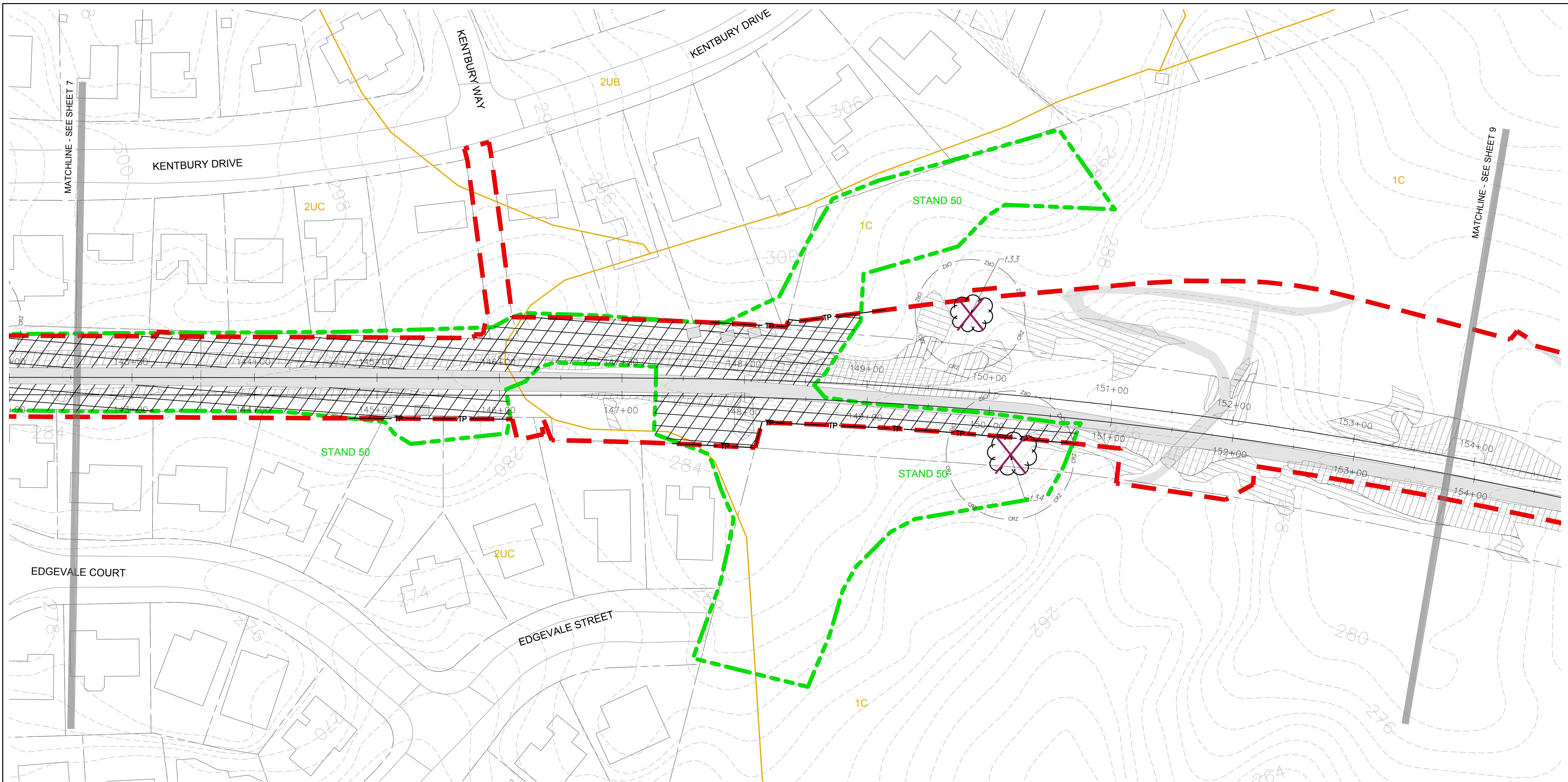
FOREST CONSERVATION PLAN
INDEX SHEET

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: 20 July 2016



- LEGEND**
- [---] **STAND 50** FOREST STAND BOUNDARY AND LABEL FROM FSD
 - [---] PROPOSED LOD/PROJECT BOUNDARY
 - [X X X X] FOREST IMPACT AREAS
 - [---] 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** 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
 - 100-YEAR FLOODPLAIN

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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			

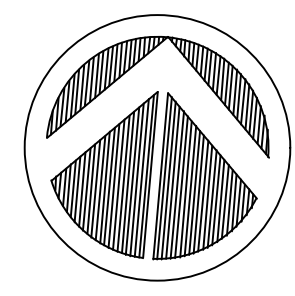
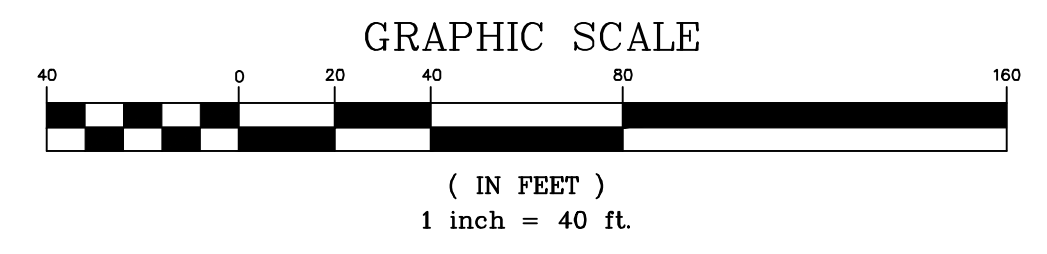
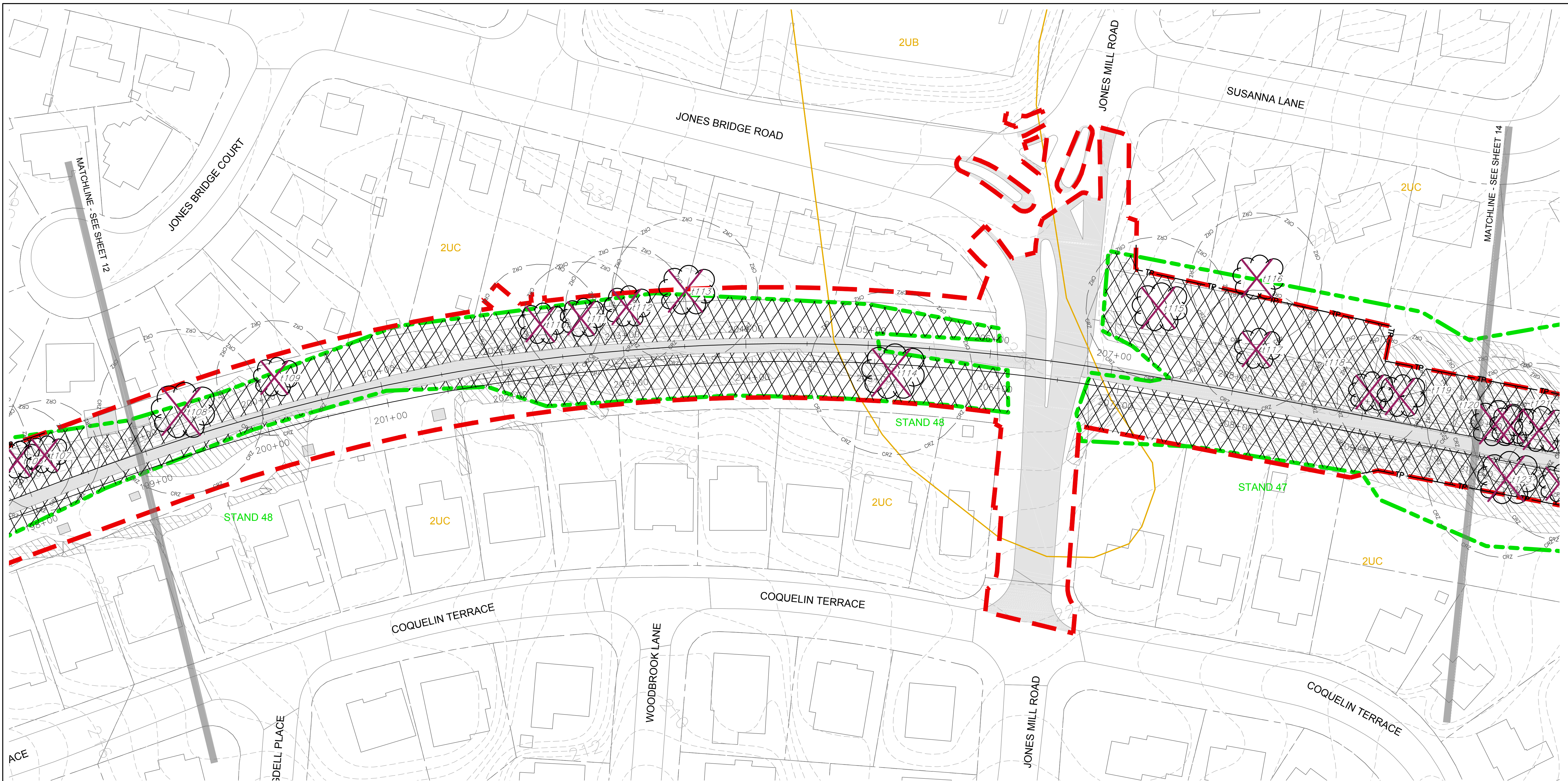
CJH
 CJH
 MJK
 MJK

FOREST CONSERVATION PLAN
 PURPLE LINE LIGHT RAIL
 FOREST CONSERVATION PLAN

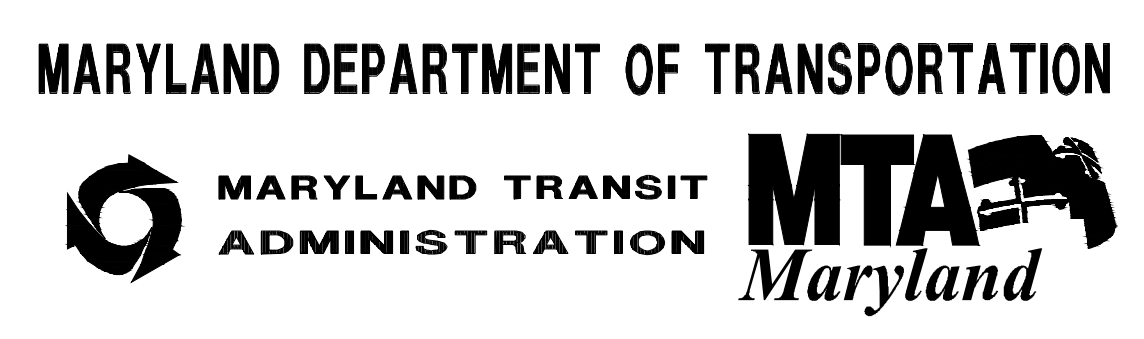
DATE: JULY 20, 2016 SCALE: 1" = 40'

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_FCP\SHEETS_1-20.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXX FOREST IMPACT AREAS
 - TP 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.
 - 1174 SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - 1175 SPECIMEN TREE FROM FSD TO BE REMOVED
 - 2B SOILS BOUNDARY AND LABEL
 - CcE 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



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			

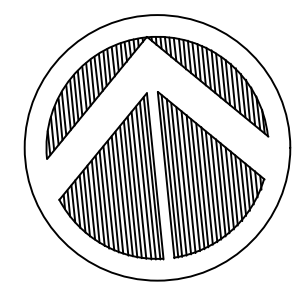
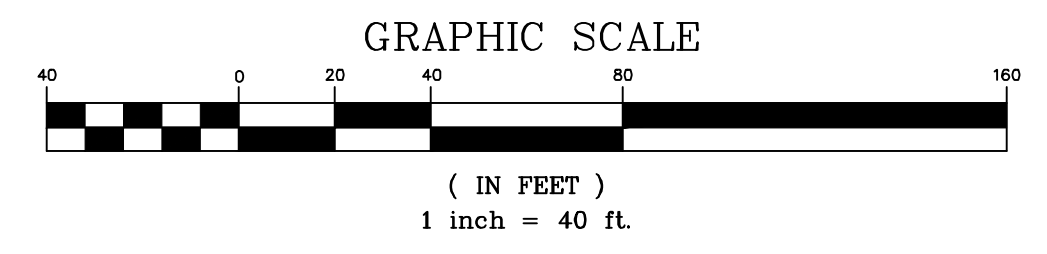
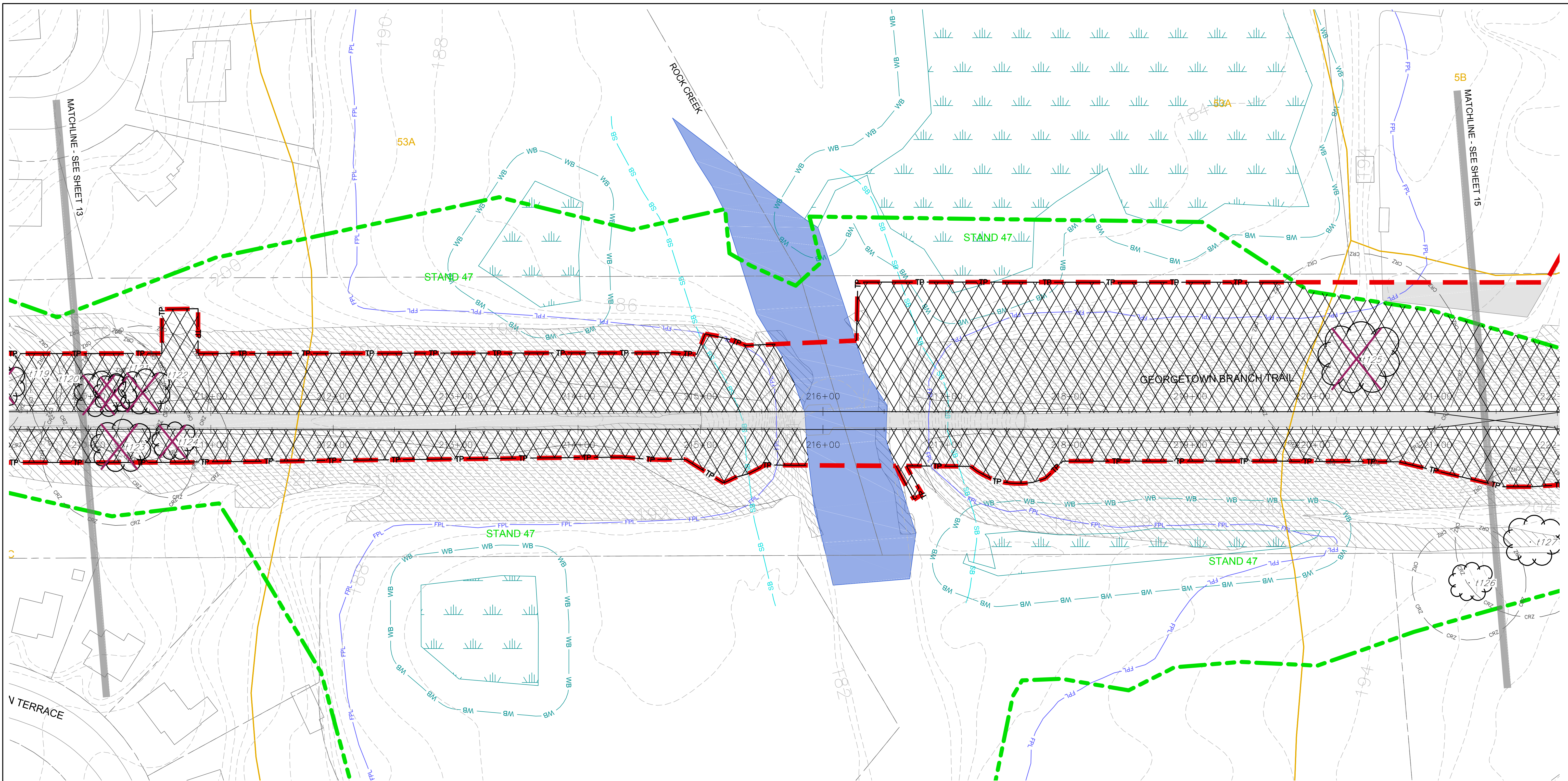
CJH
 CJH
 MJK
 MJK

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

L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_1-20.dwg
 PRINTED ON: 20 July 2016



- 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
- 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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
REVISIONS			
		CJH	DESIGN
		CJH	
		MJK	
		MJK	

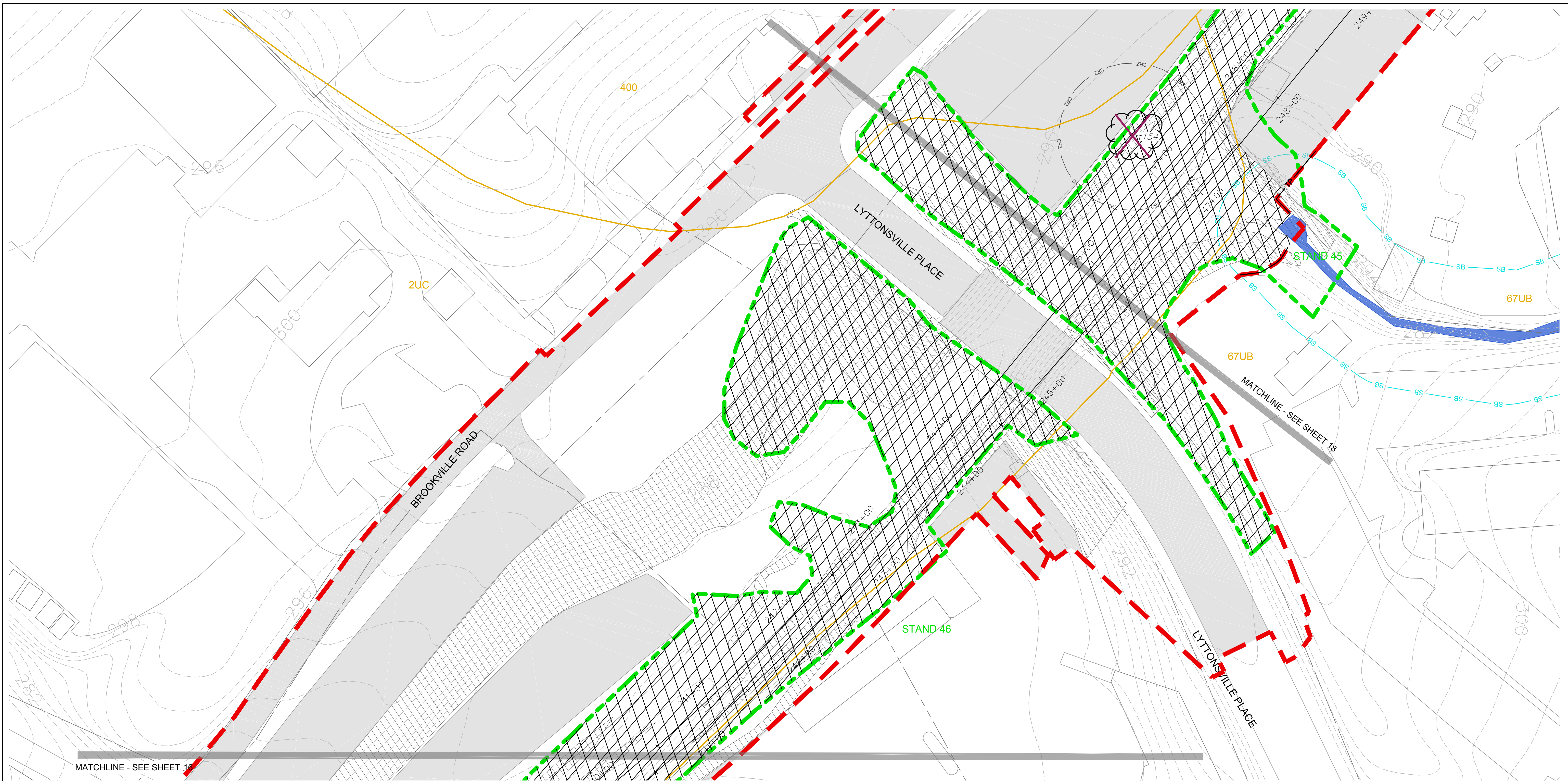
FOREST CONSERVATION PLAN
 PURPLE LINE LIGHT RAIL
 FOREST CONSERVATION PLAN

DATE: JULY 20, 2016

SCALE: 1" = 40'

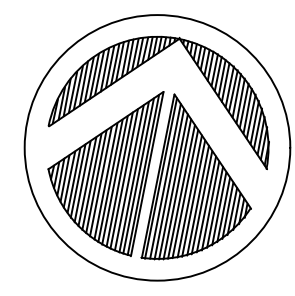
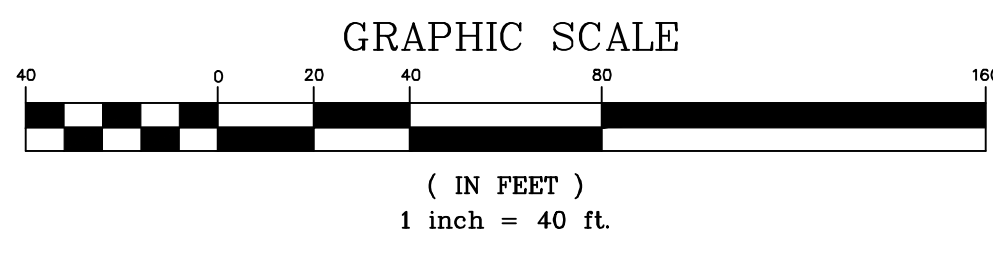
CONTRACT NO. ---
 DRAWING NO. FCP-14
 SHEET NO. 14 OF 100

L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_1-20.dwg
 PRINTED ON: 20 July 2016



MATCHLINE - SEE SHEET 16

MATCHLINE - SEE SHEET 18



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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			

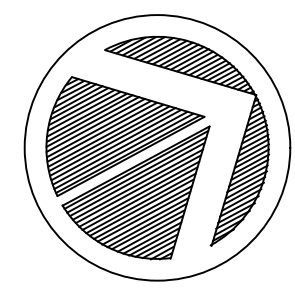
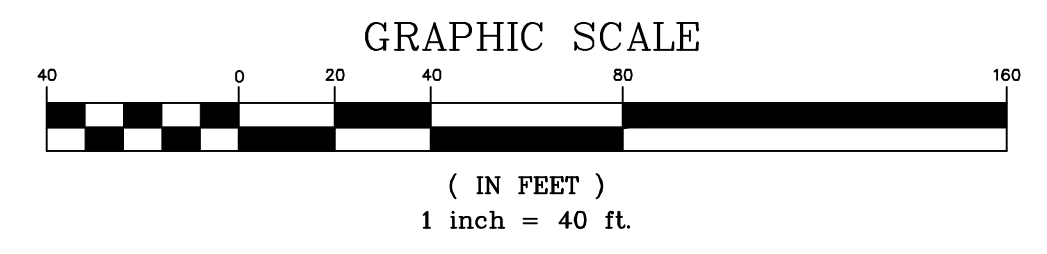
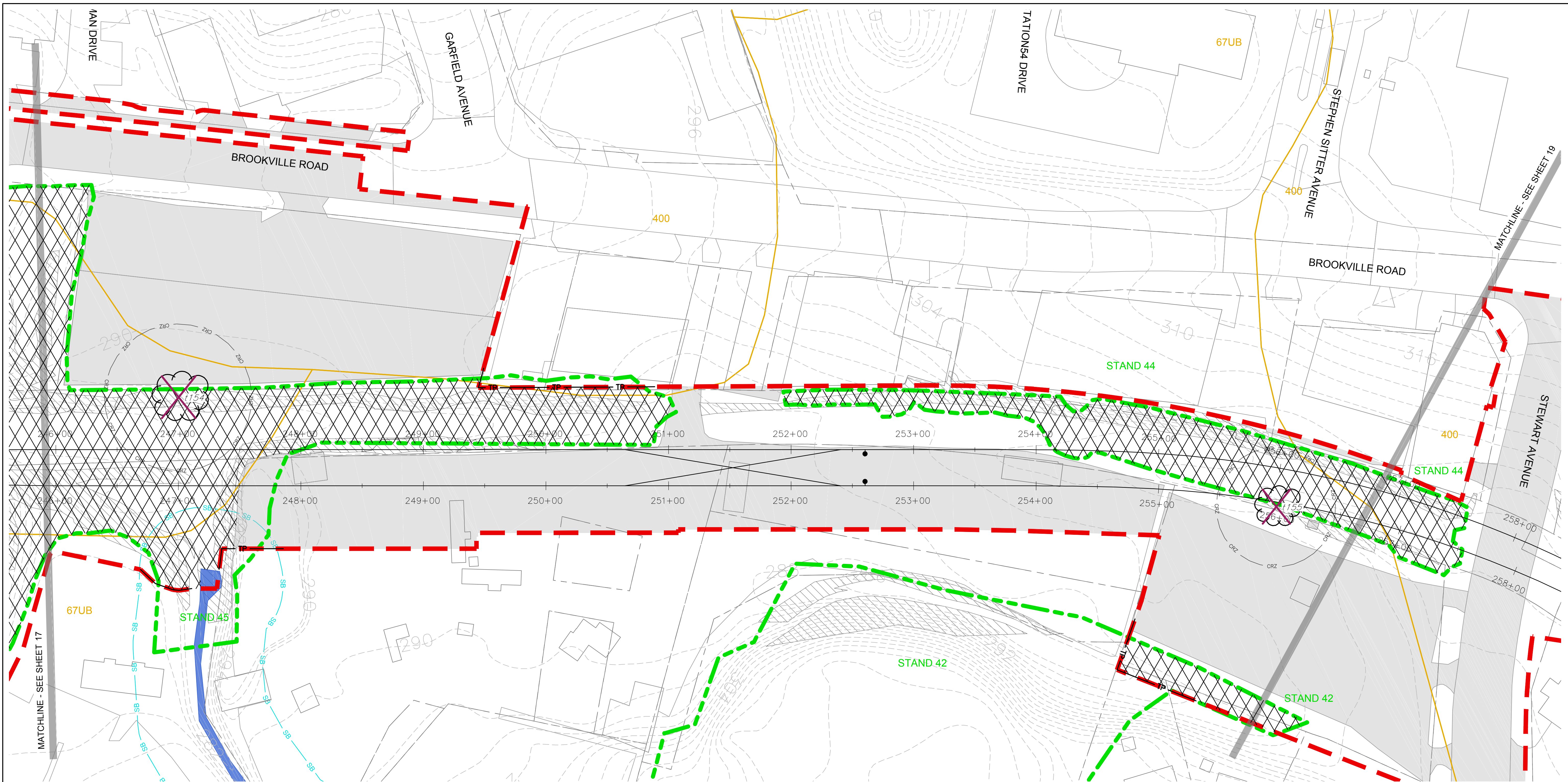
APPR CHECK DRAWN DESIGN
CJH
CJH
MJK
MJK

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

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_1-20.dwg
PRINTED ON: 20 July 2016



- 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
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION



FOREST CONSERVATION PLAN
 PREPARED BY:

 July 20, 2016
 MICHAEL J. KLEBASKO, P.W.S.
 (QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

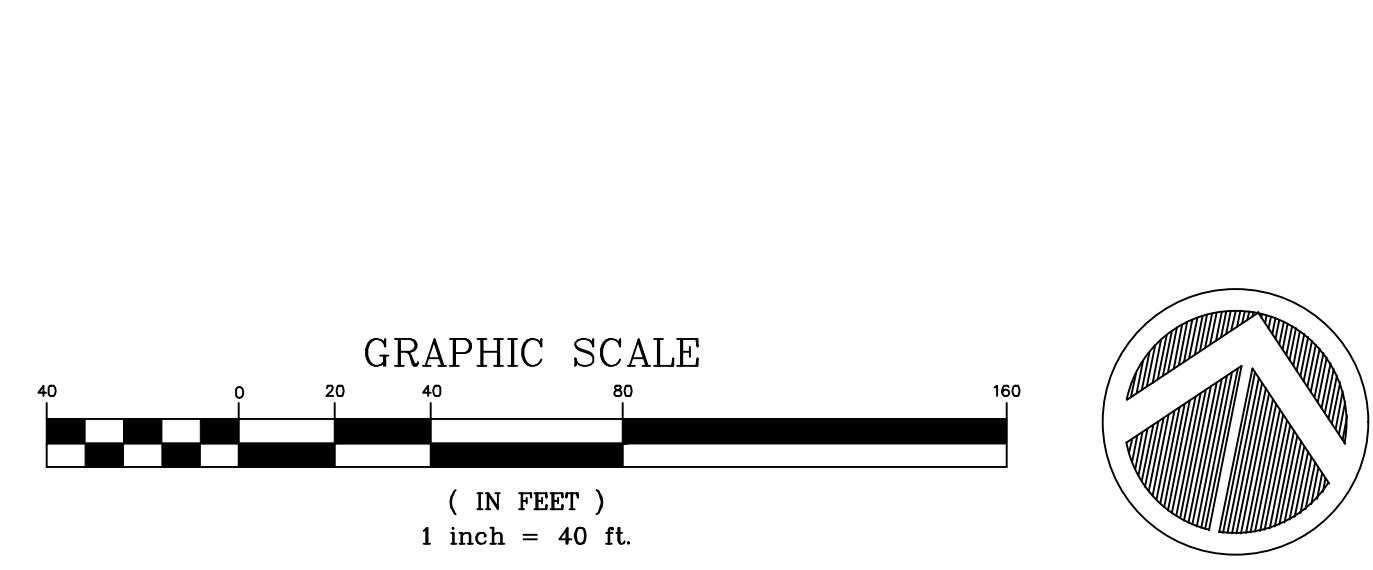
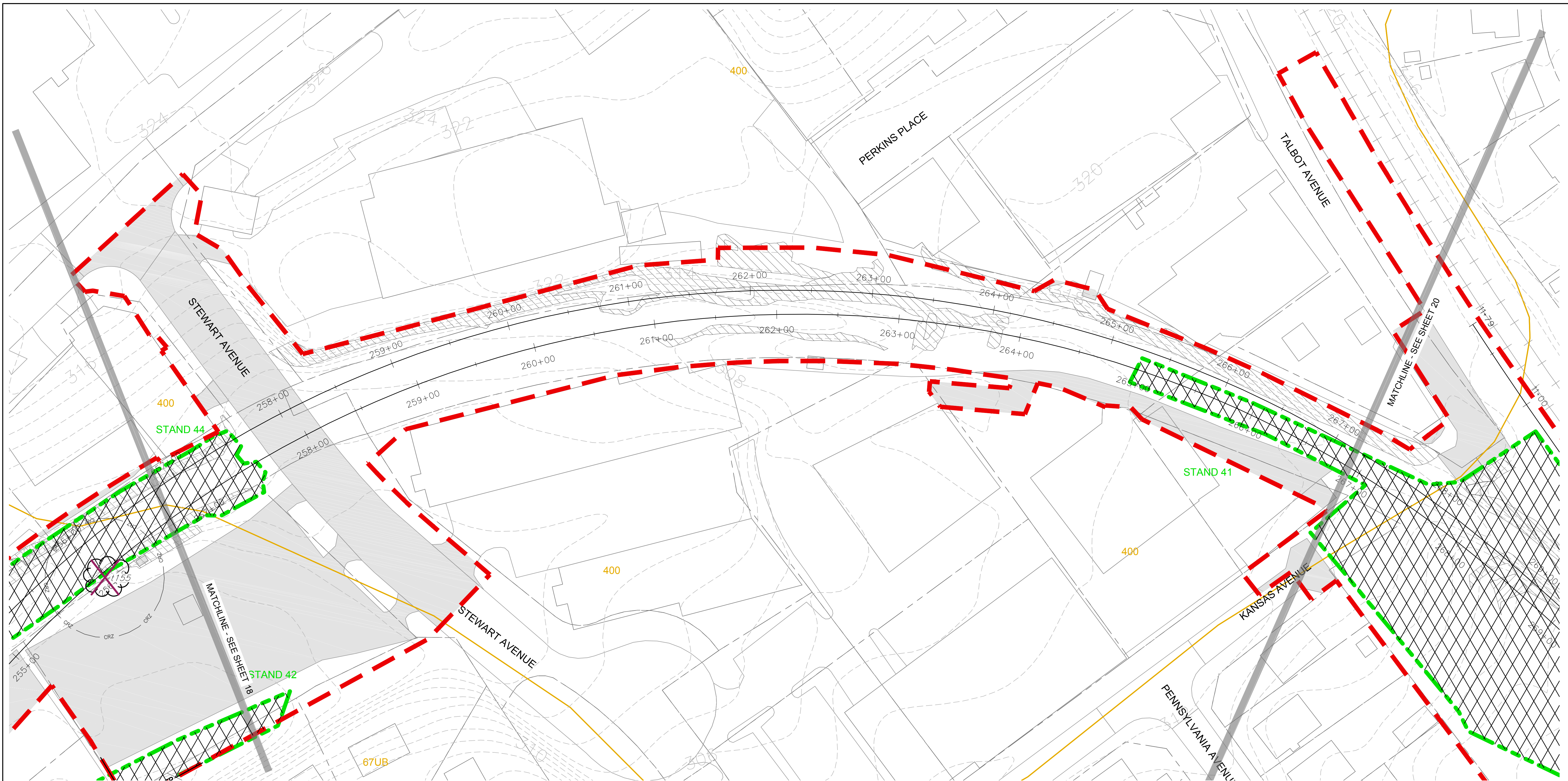
NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 MJK

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

L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_1-20.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

Wetland Studies and Solutions, Inc.

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			

APPR. CHECK DRAWN DESIGN

CJH

CJH

MJK

MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016

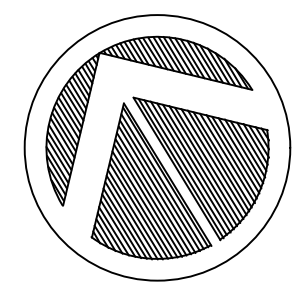
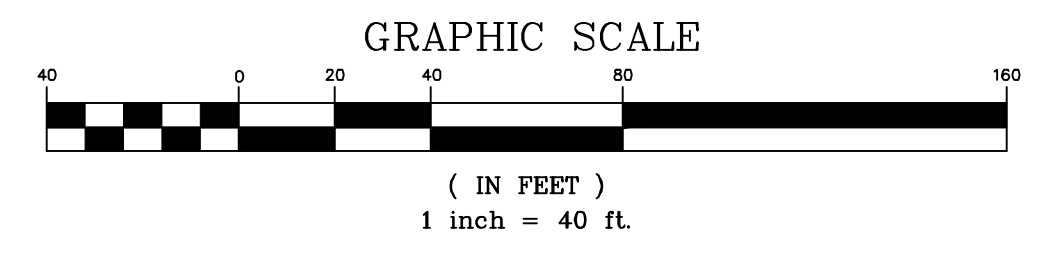
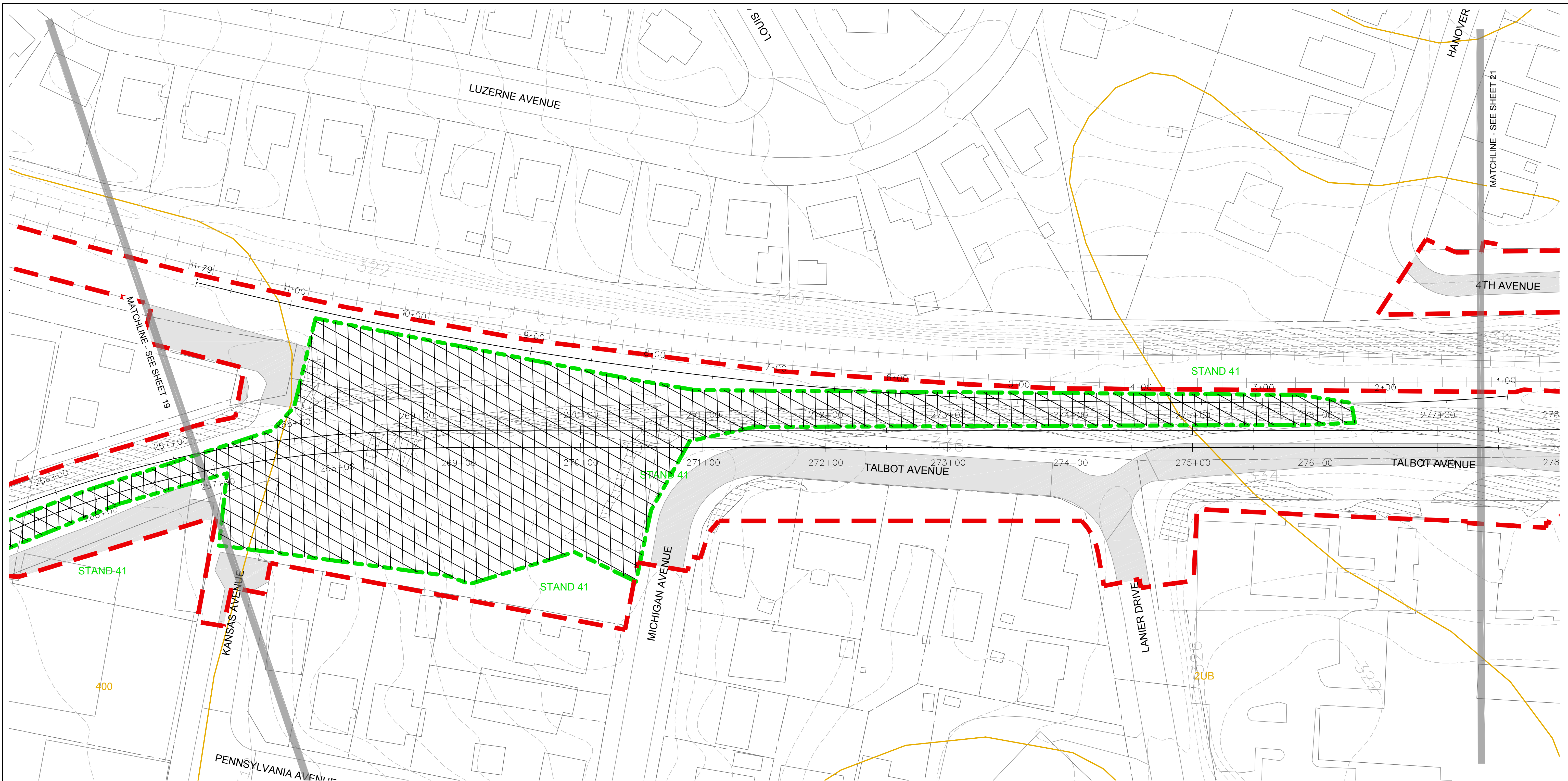
SCALE: 1" = 40'

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_FCP\SHEETS_1-20.dwg PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION



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

REVISIONS

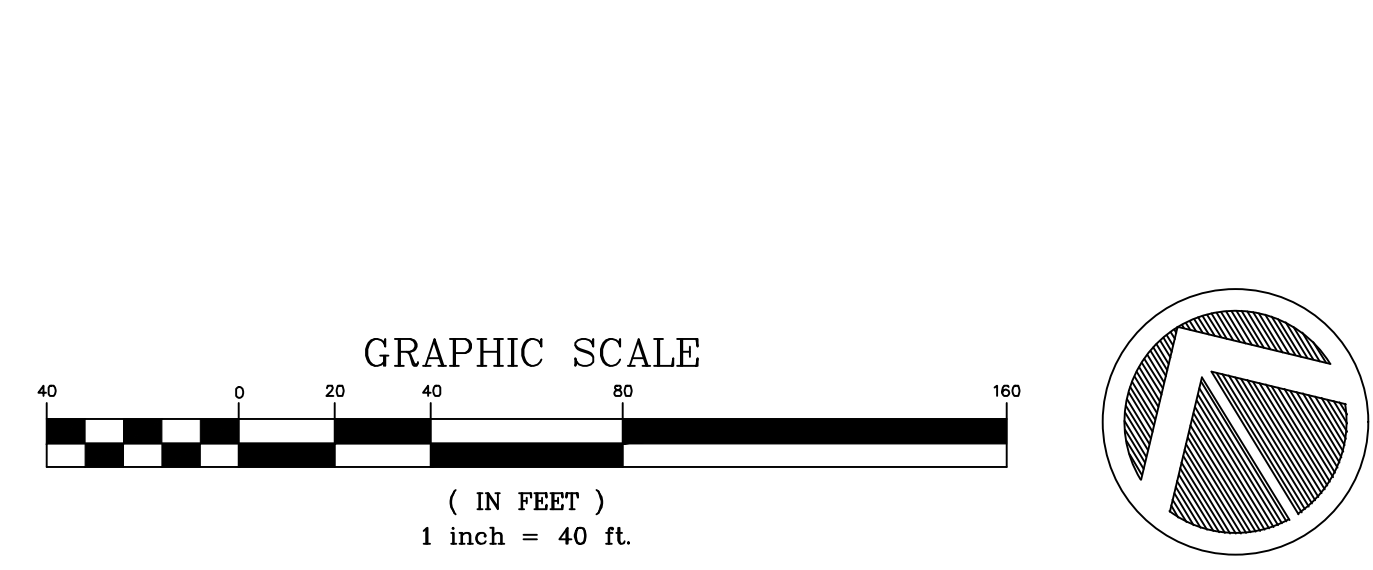
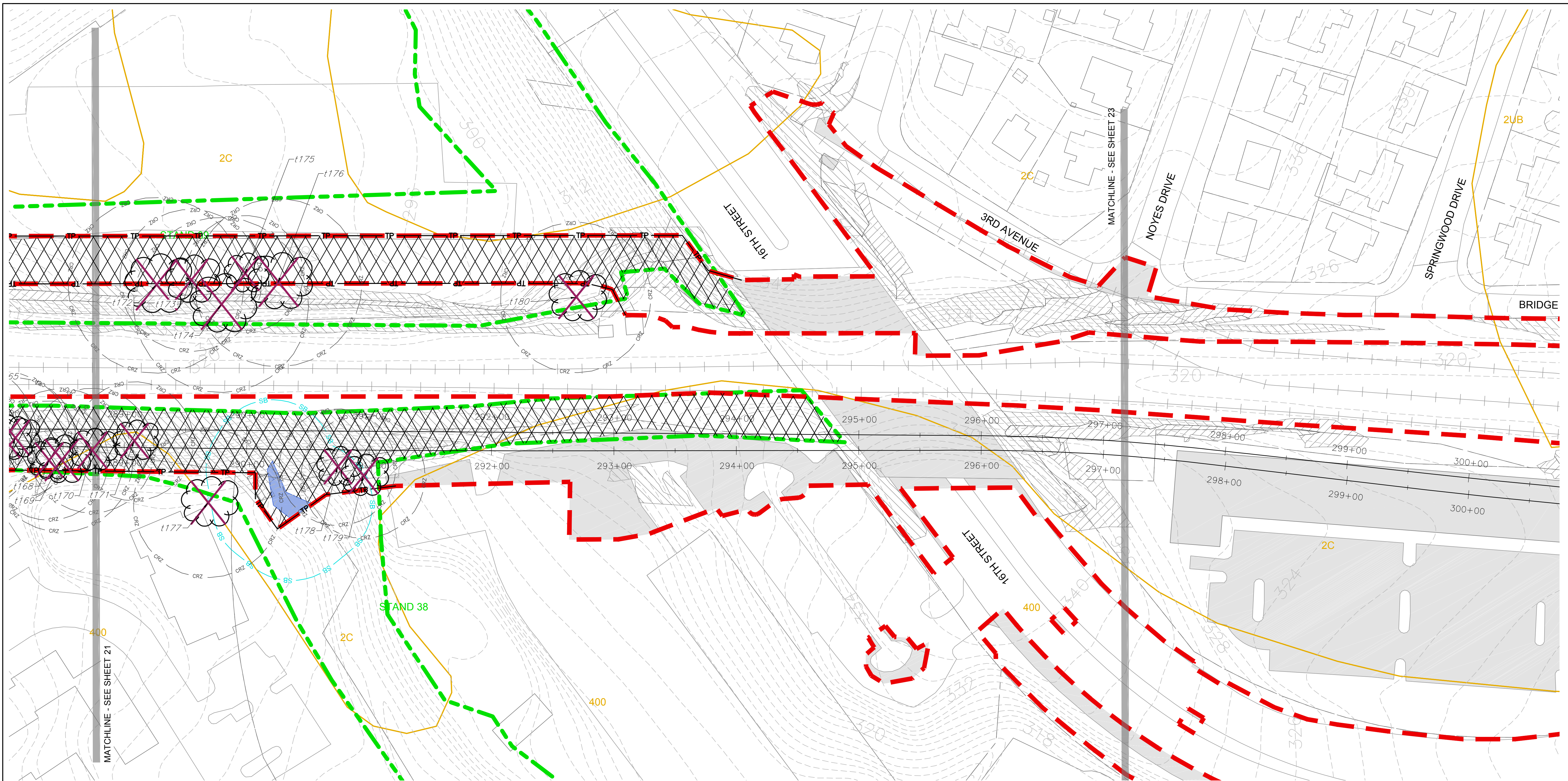
CJH
 CJH
 MJK
 MJK

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_FCP\SHEETS_1-20.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

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

REVISIONS

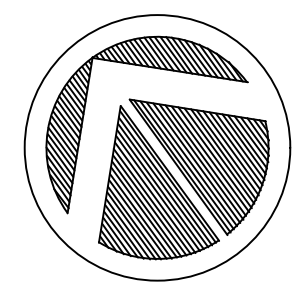
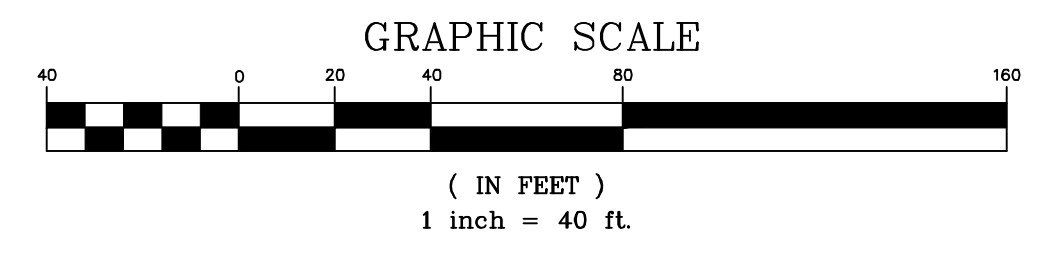
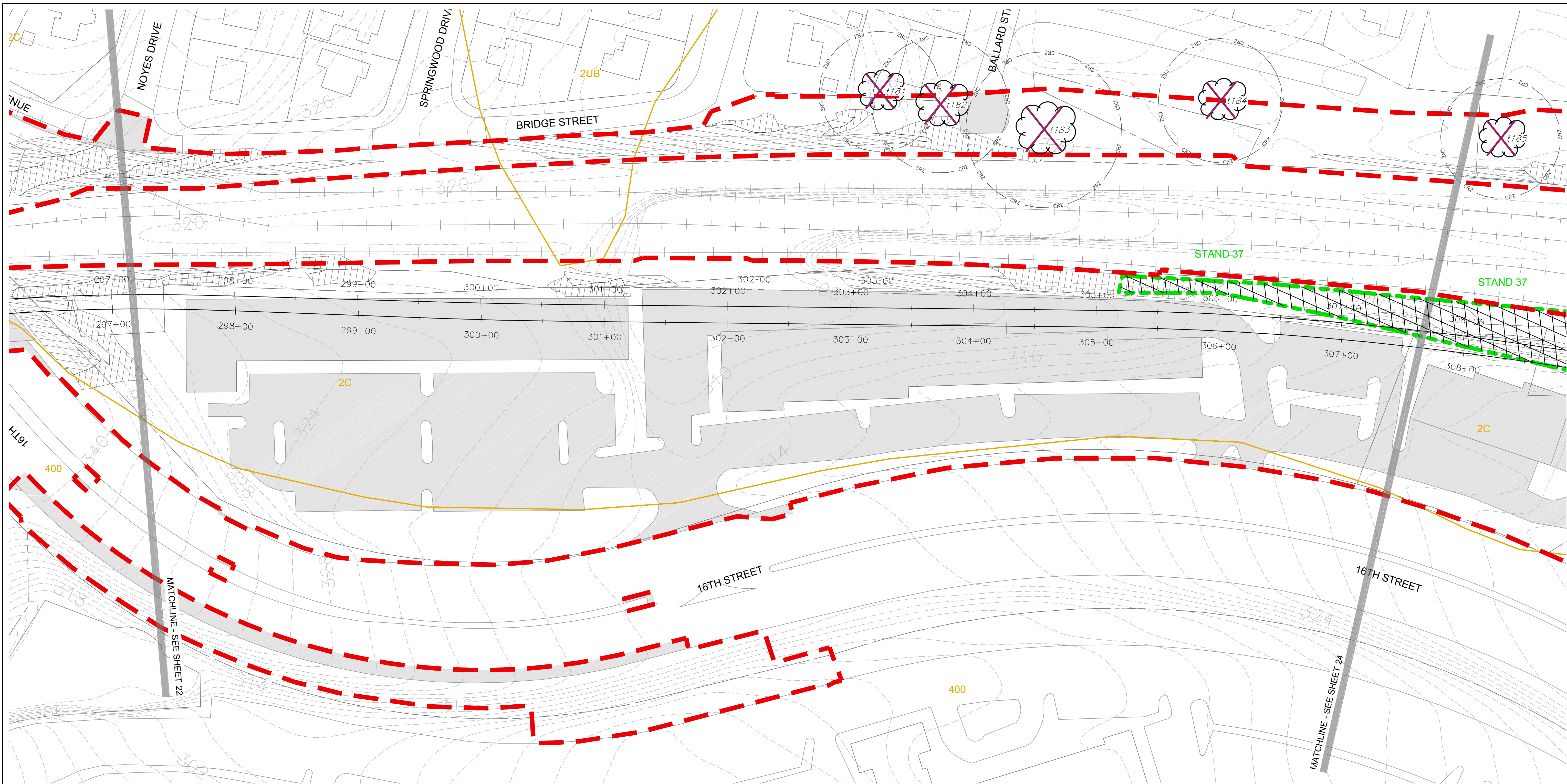
CJH
 CJH
 MJK
 MJK

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_FCP\SHEETS_1-20.dwg
 PRINTED ON: 20 July 2016



- 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** 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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION



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
REVISIONS			

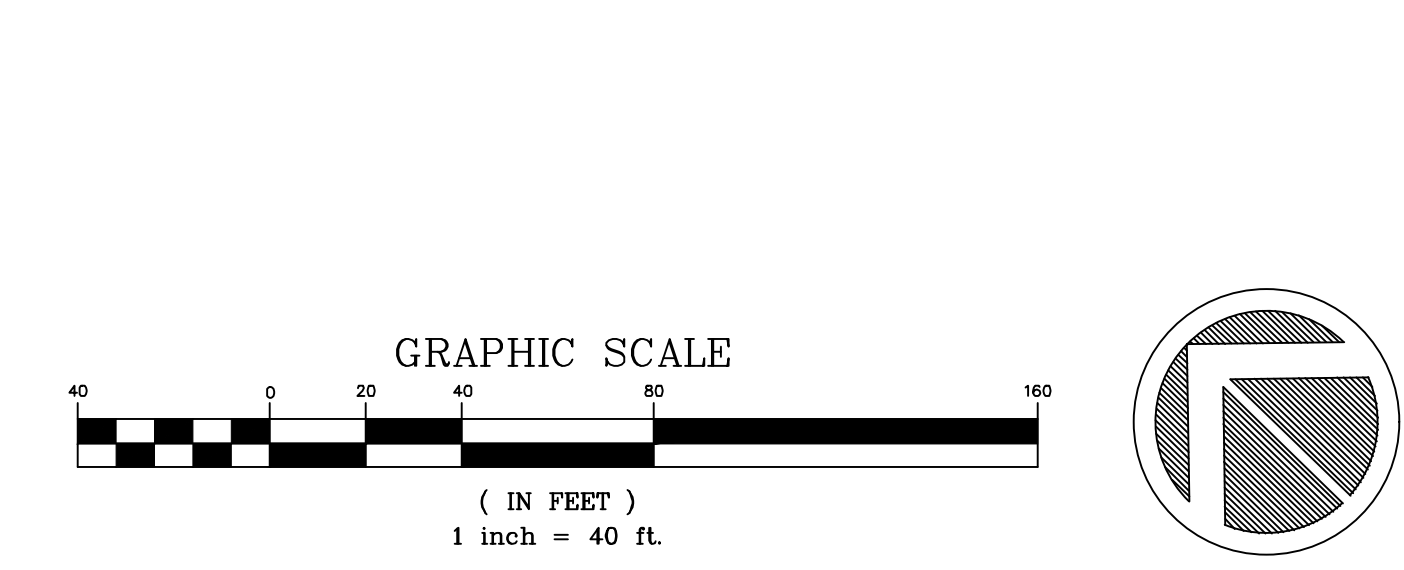
CJH
 CJH
 MJK
 MJK

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\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_21-40.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- FOREST STAND BOUNDARY AND LABEL FROM FSD
 - PROPOSED LOD/PROJECT BOUNDARY
 - FOREST IMPACT AREAS
 - PROPOSED TREE PROTECTION**
 - SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - SPECIMEN TREE FROM FSD TO BE REMOVED
 - 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
- **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.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland

Wetland Studies and Solutions, Inc.
 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			

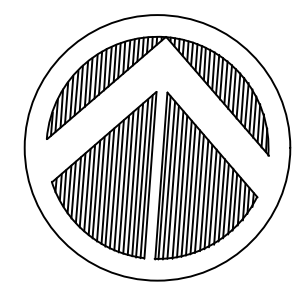
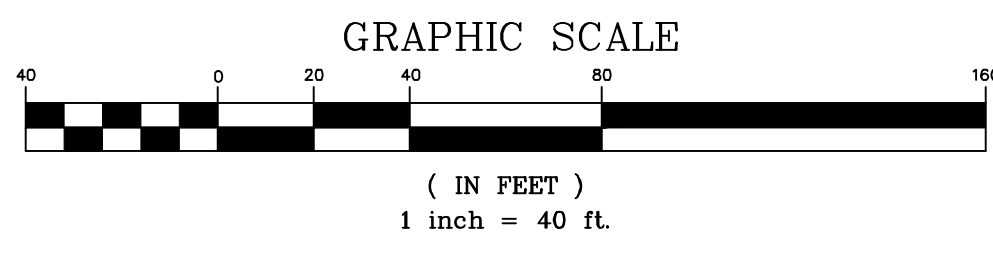
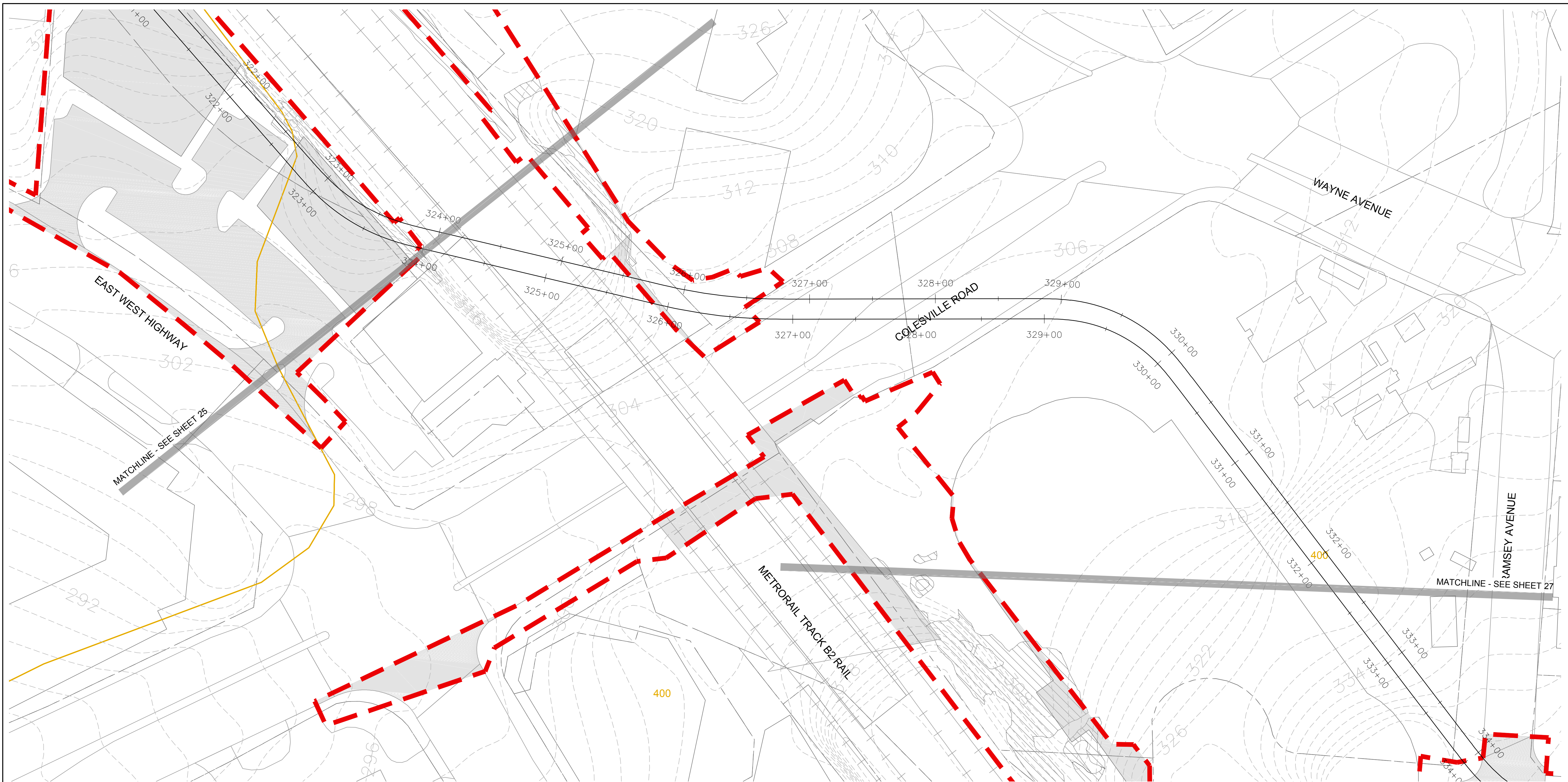
APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 MJK

**FOREST CONSERVATION PLAN
 PURPLE LINE LIGHT RAIL
 FOREST CONSERVATION PLAN**

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

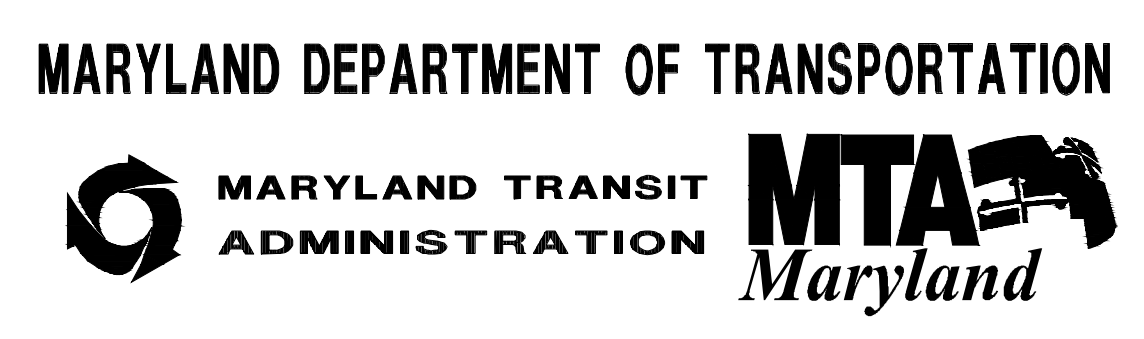
CONTRACT NO. ---
 DRAWING NO. FCP-25
 SHEET NO. 25 OF 100

L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_21-40.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- FOREST STAND BOUNDARY AND LABEL FROM FSD
 - PROPOSED LOD/PROJECT BOUNDARY
 - PROPOSED TREE PROTECTION**
 - FOREST IMPACT AREAS
 - SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - SPECIMEN TREE FROM FSD TO BE REMOVED
 - 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

**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.



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

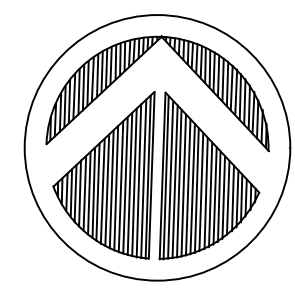
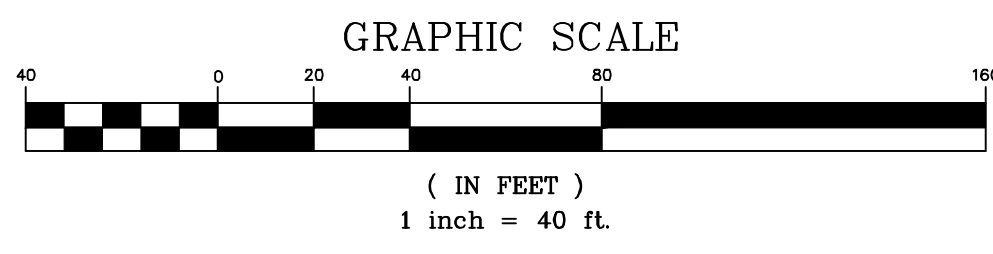
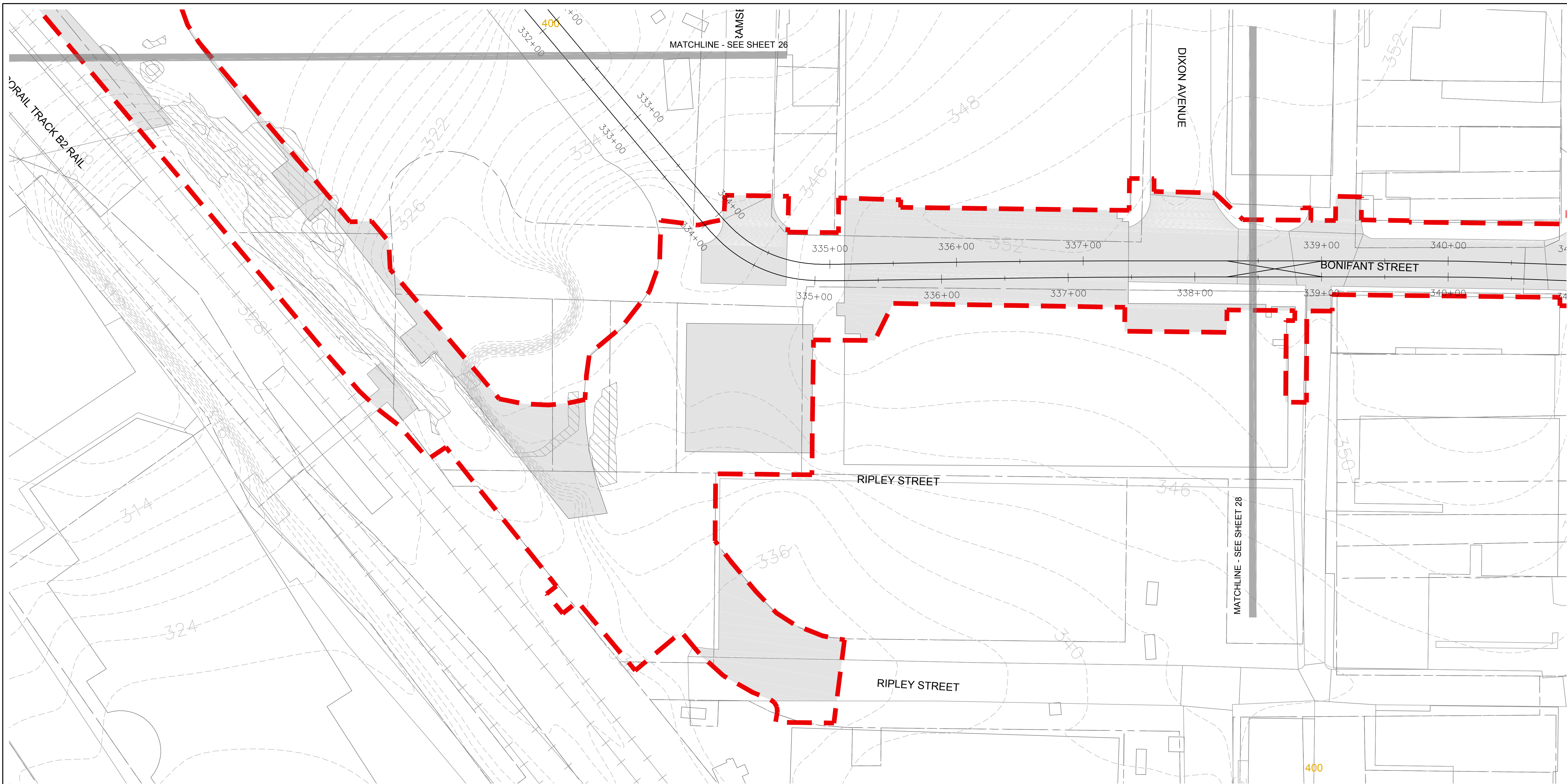
REVISIONS

APPR	CJH
CHECK	CJH
DRAWN	MJK
DESIGN	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_FCP\SHEETS_21-40.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- 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
 - 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

**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.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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			

APPR. CHECK DRAWN DESIGN

CJH
CJH
MJK
MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016

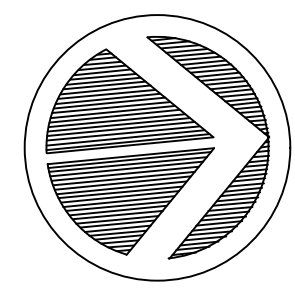
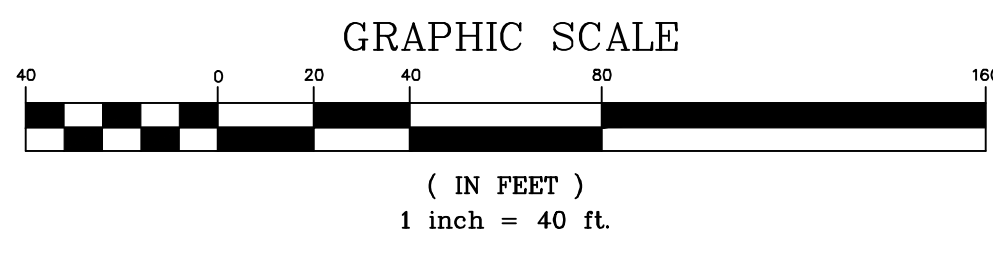
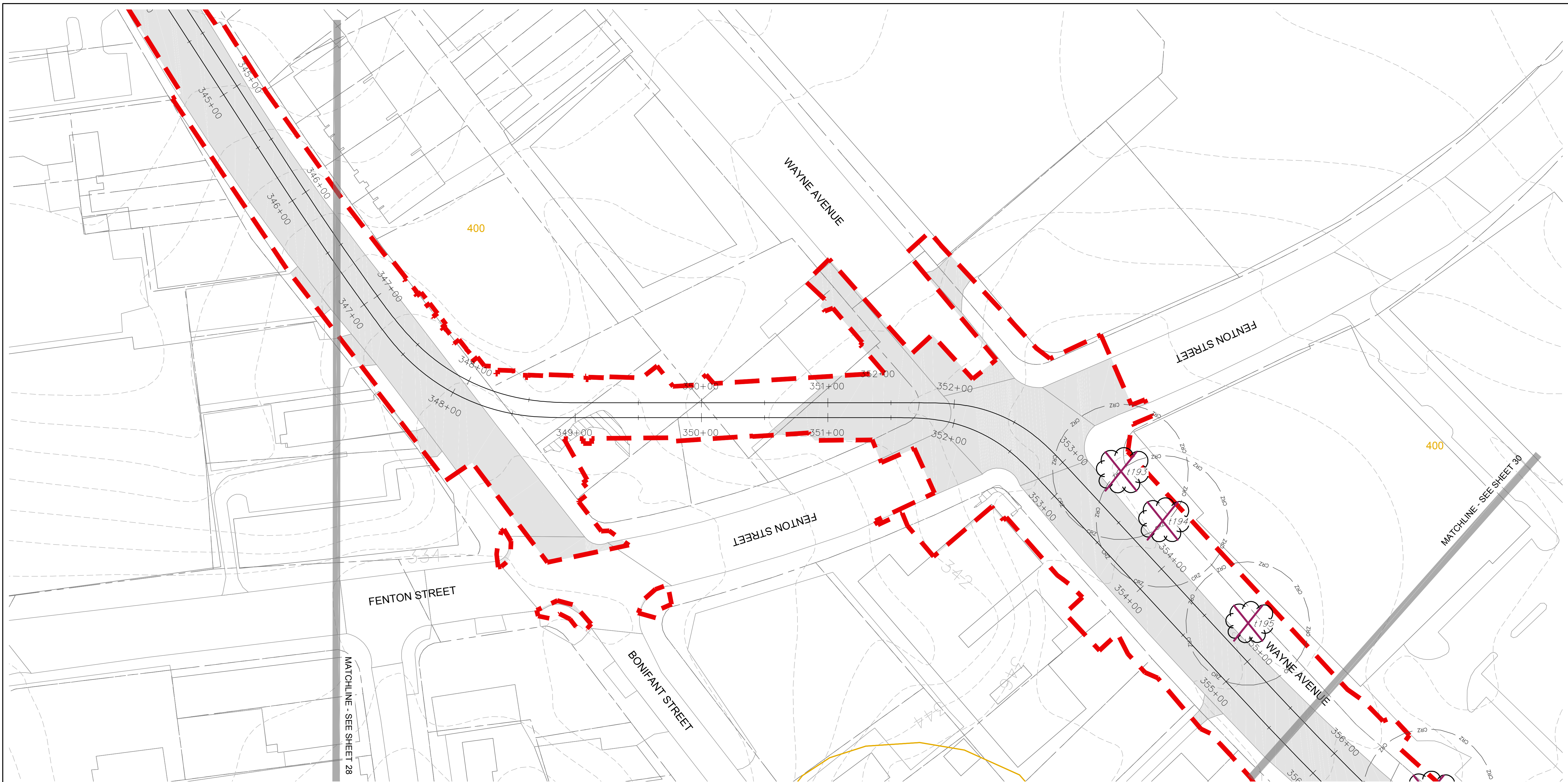
SCALE: 1" = 40'

CONTRACT NO. ---

DRAWING NO. FCP-27

SHEET NO. 27 OF 100

L:\Maryland\Projects\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_21-40.dwg
PRINTED ON: 20 July 2016



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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



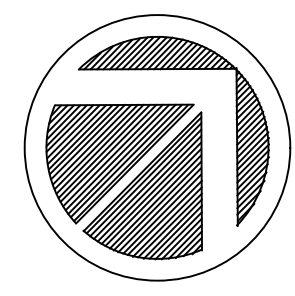
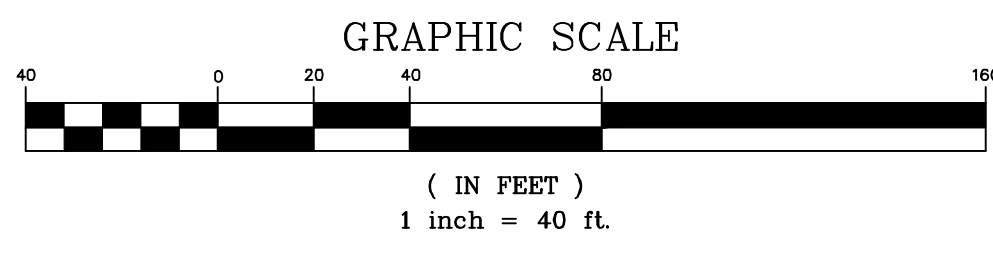
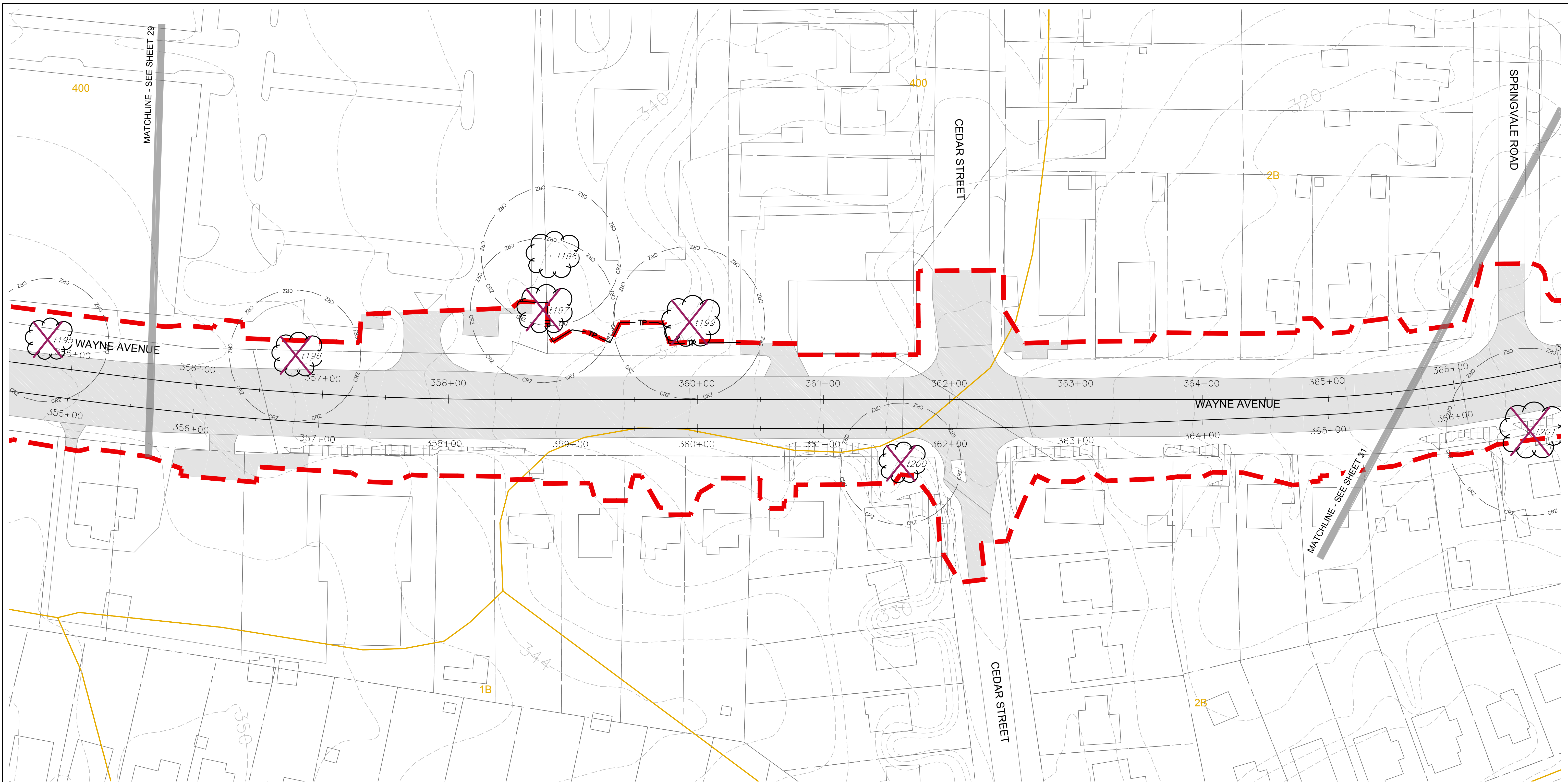
FOREST CONSERVATION PLAN
PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER
COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR	CJH
CHECK	CJH
DRAWN	MJK
DESIGN	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



- 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
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION



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
REVISIONS			

APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 MJK

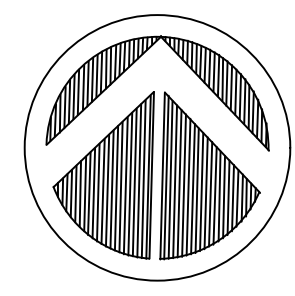
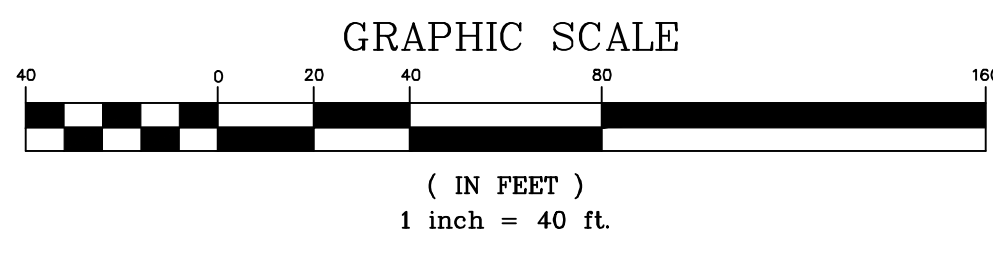
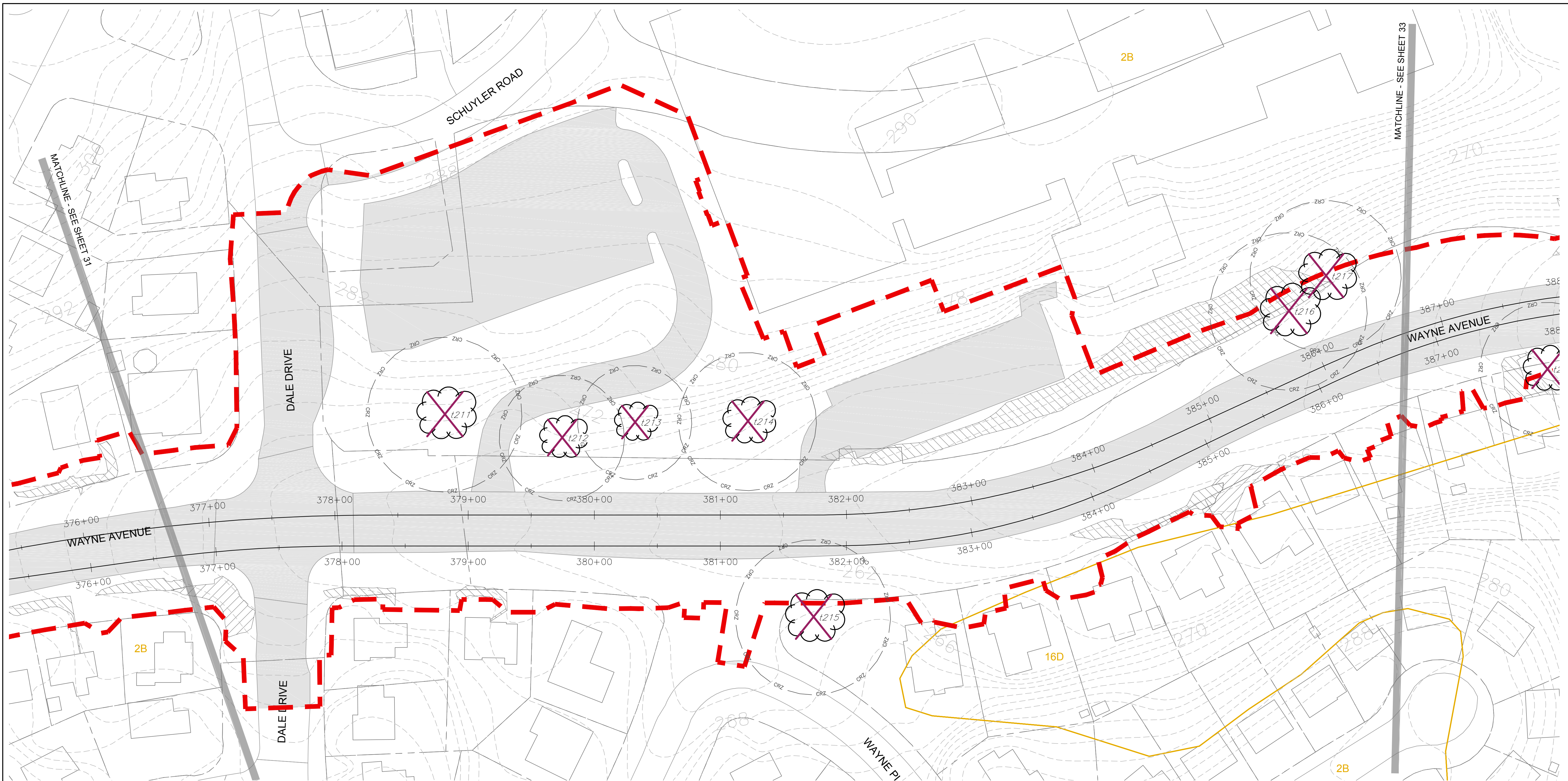
**FOREST CONSERVATION PLAN
 PURPLE LINE LIGHT RAIL**

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_FCP\SHEETS_21-40.dwg
 PRINTED ON: 20 July 2016



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
- 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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			

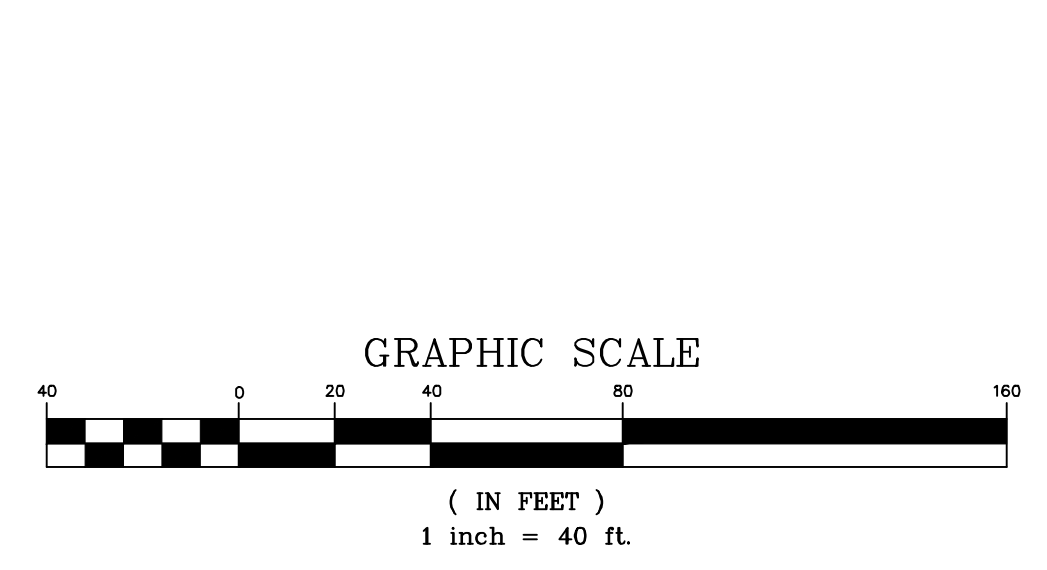
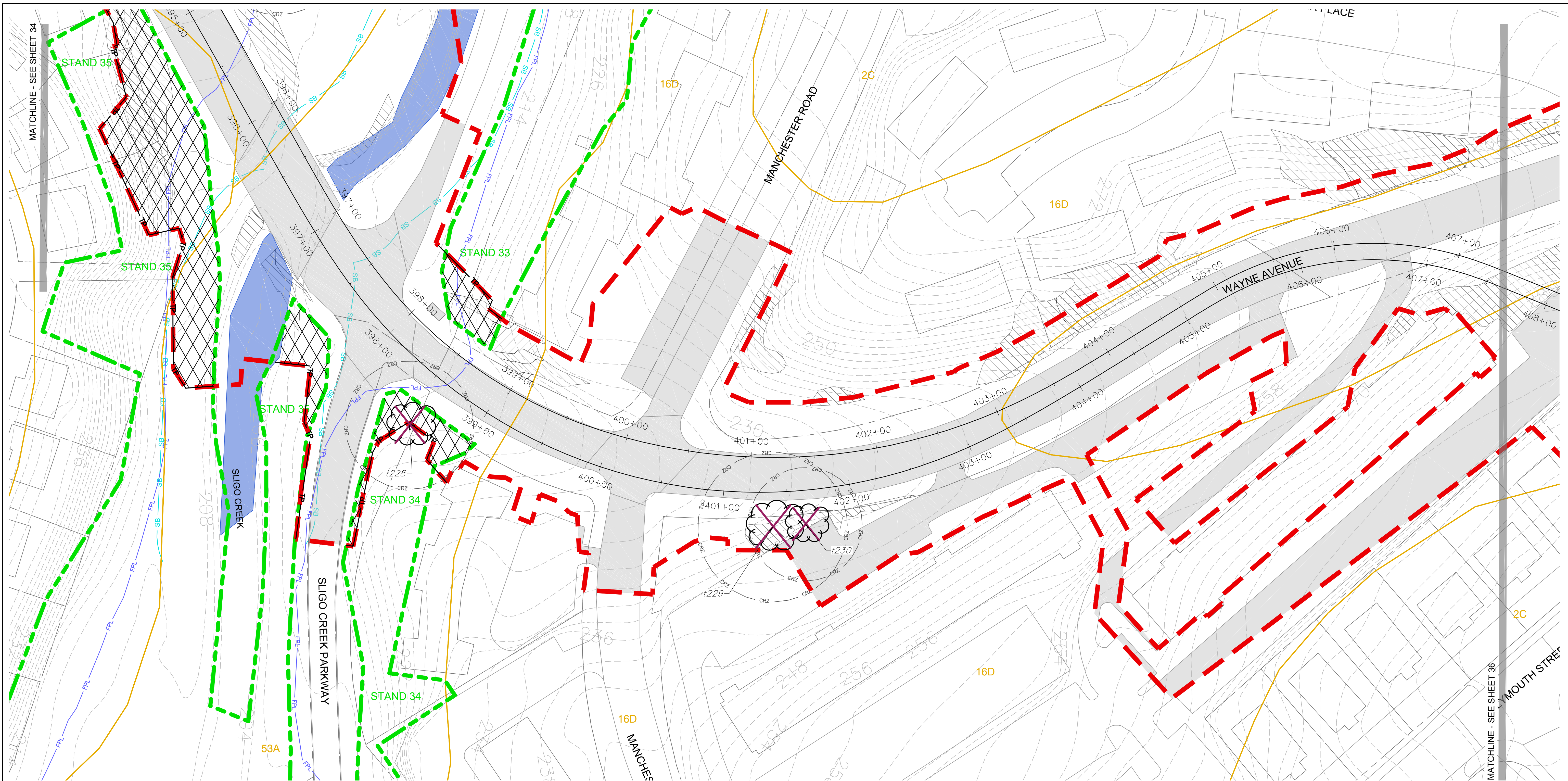
CJH
CJH
MJK
MJK

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



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

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)

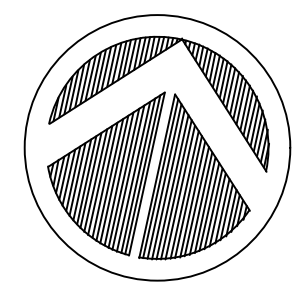
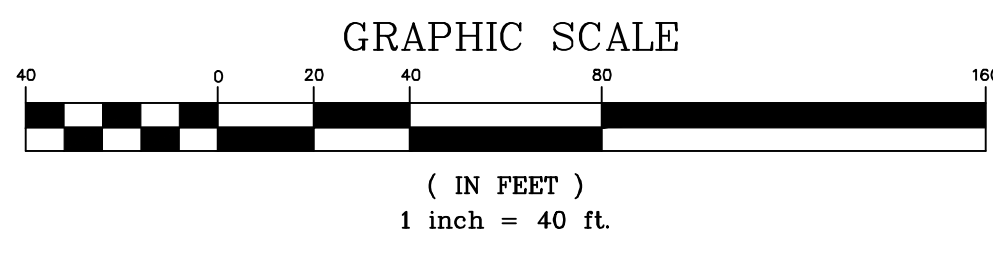
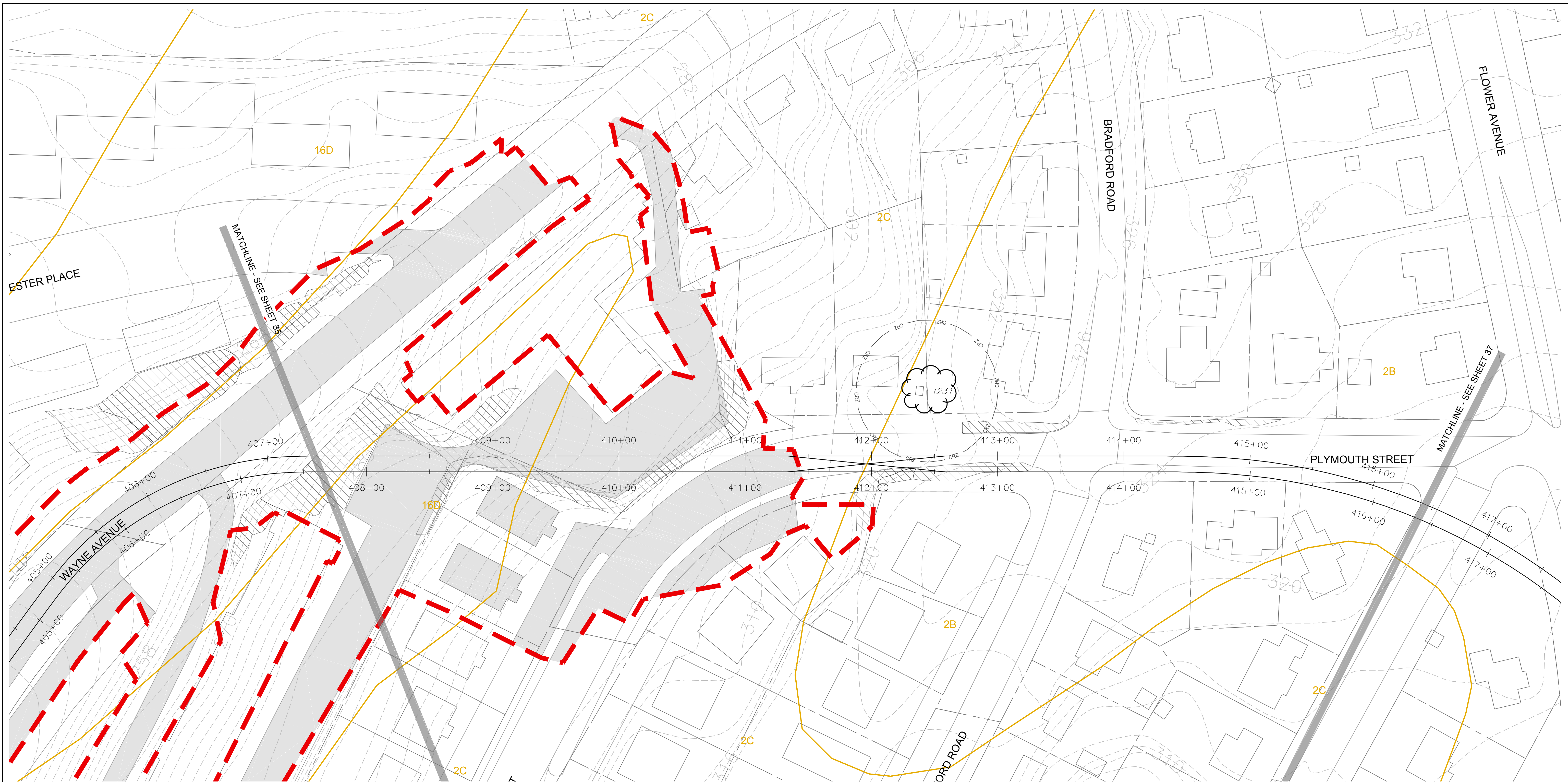
NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR CHECK DRAWN DESIGN
CJH
CJH
MJK
MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

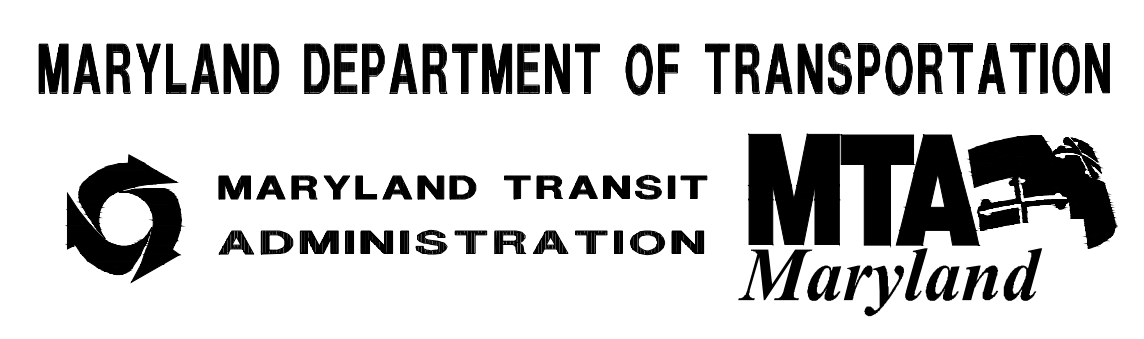
DATE: JULY 20, 2016 SCALE: 1" = 40'

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



- LEGEND**
- FOREST STAND BOUNDARY AND LABEL FROM FSD
 - PROPOSED LOD/PROJECT BOUNDARY
 - PROPOSED TREE PROTECTION**
 - FOREST IMPACT AREAS
 - SOILS BOUNDARY AND LABEL
 - IMPERVIOUS AREAS (DEDUCTIONS)
 - SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - SPECIMEN TREE FROM FSD TO BE REMOVED
 - 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

**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.



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

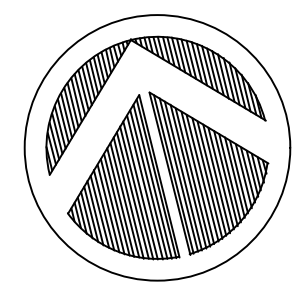
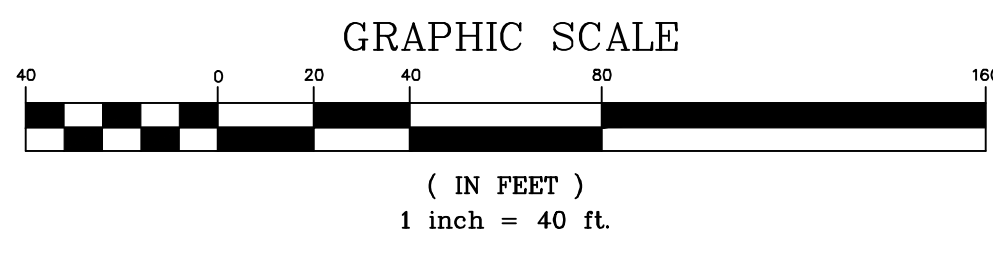
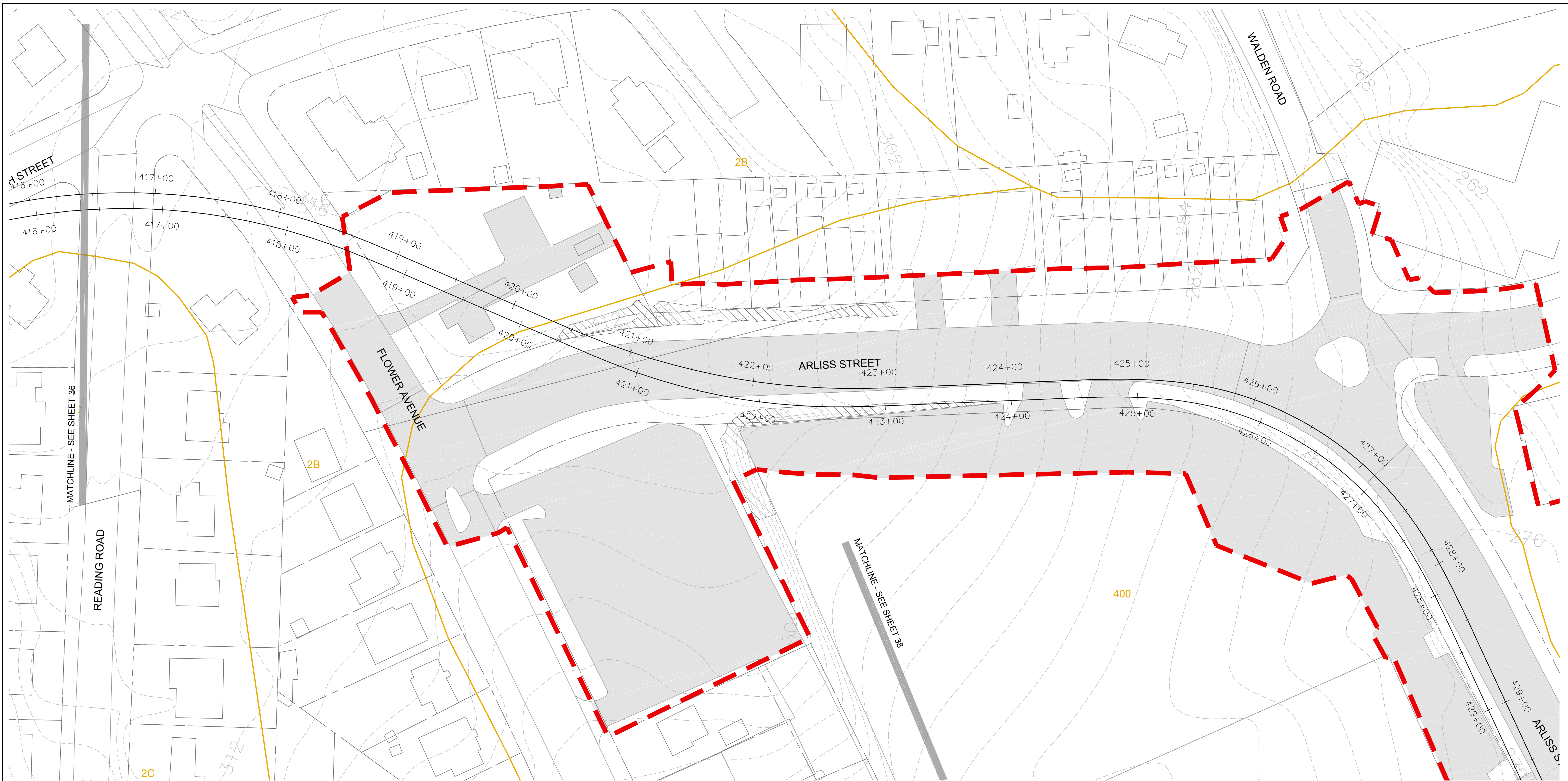
REVISIONS

APPR	CJH
CHECK	CJH
DRAWN	MJK
DESIGN	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_FCP\SHEETS_21-40.dwg
 PRINTED ON: 20 July 2016



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** 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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION



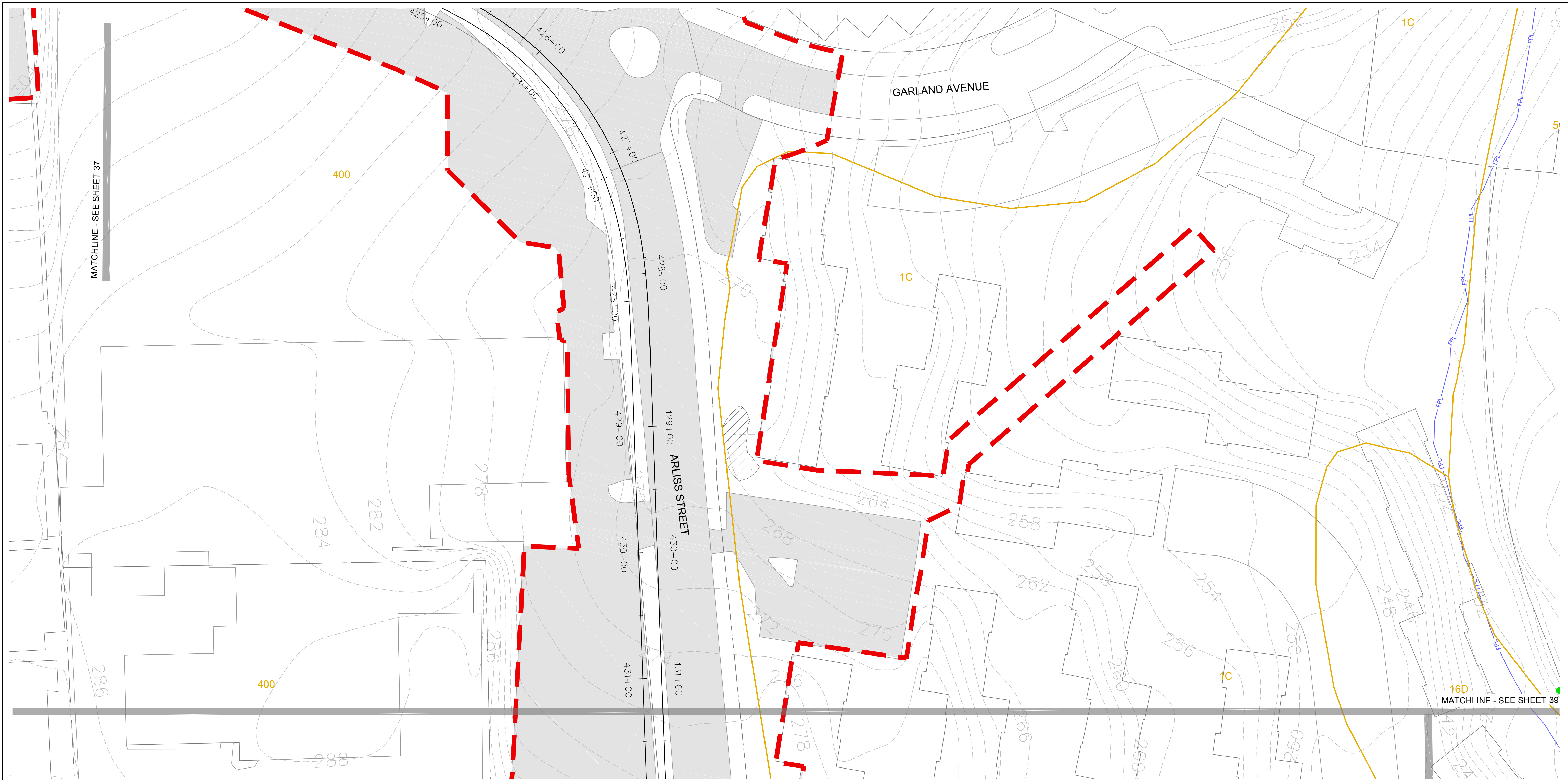
FOREST CONSERVATION PLAN
 PREPARED BY:

 July 20, 2016
 MICHAEL J. KLEBASKO, P.W.S.
 (QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
REVISIONS			
		CJH	DESIGN
		CJH	
		MJK	
		MJK	

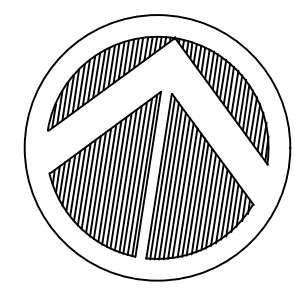
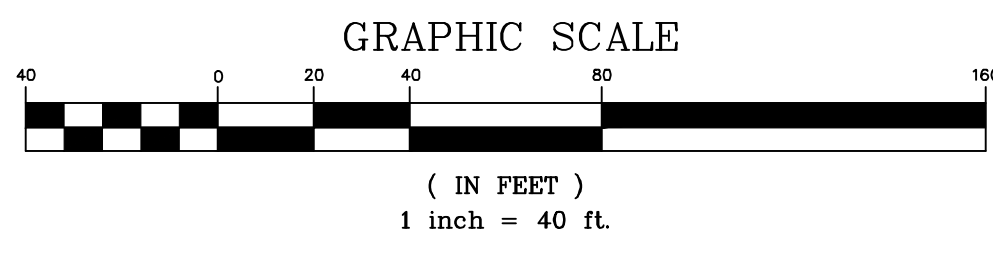
FOREST CONSERVATION PLAN
 PURPLE LINE LIGHT RAIL
 FOREST CONSERVATION PLAN
 DATE: JULY 20, 2016 SCALE: 1" = 40'

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



MATCHLINE - SEE SHEET 37

MATCHLINE - SEE SHEET 39



- LEGEND**
- 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
 - 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

**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.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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
REVISIONS			

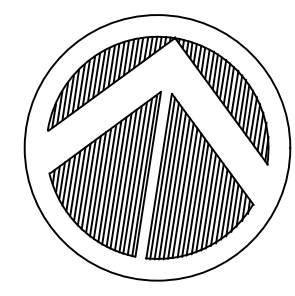
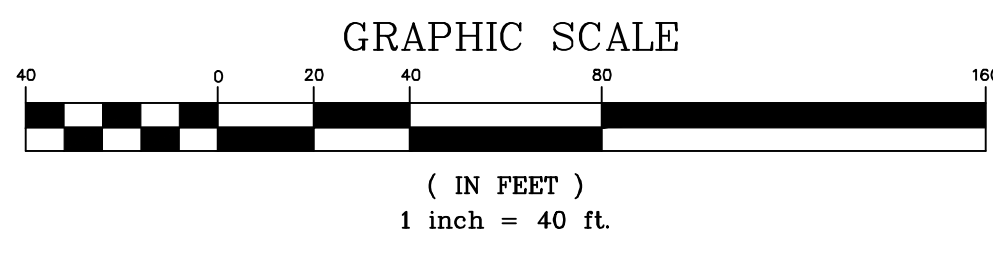
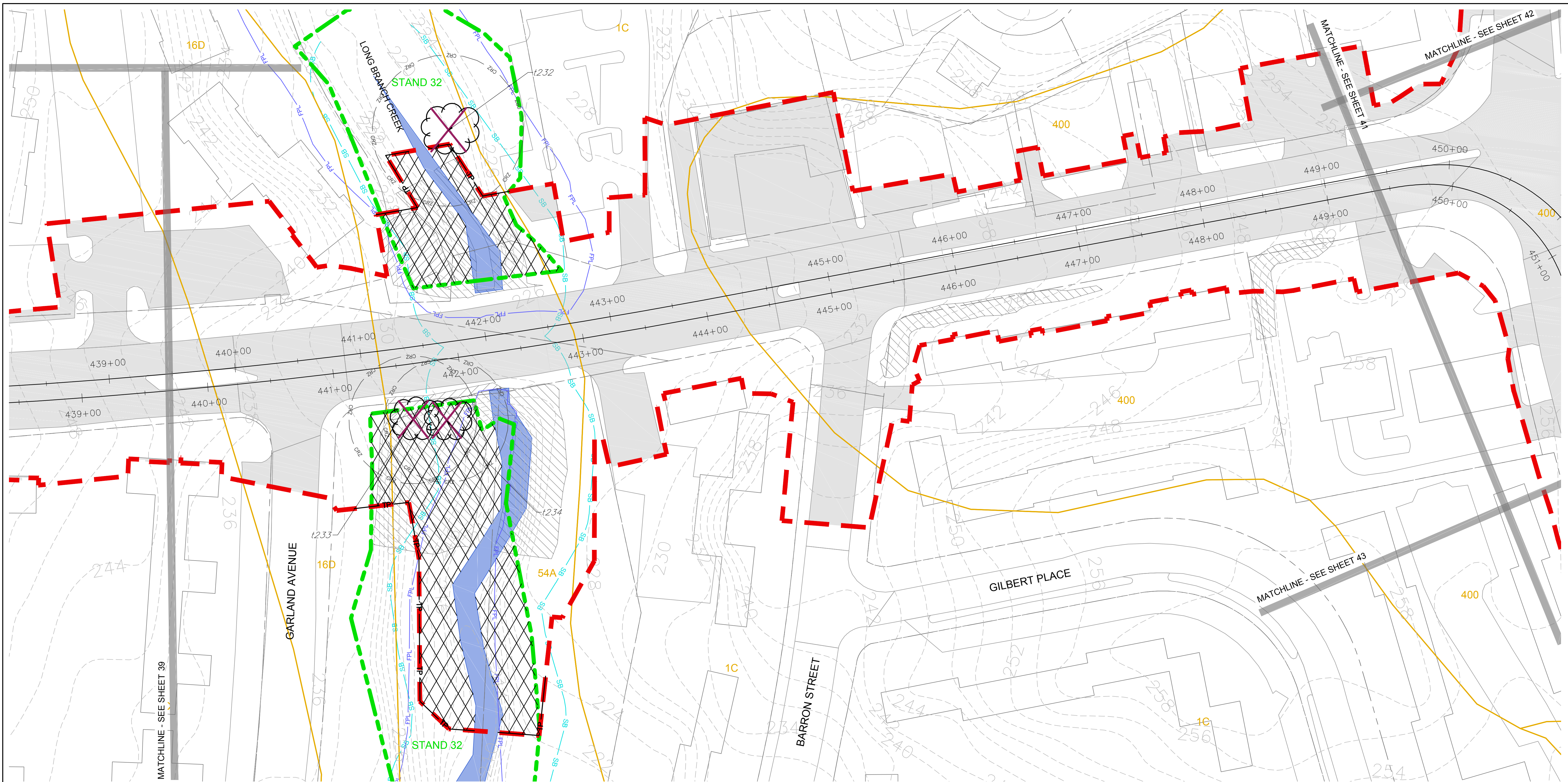
CJH
CJH
MJK
MJK

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



LEGEND

- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
- XXXX 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 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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION



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

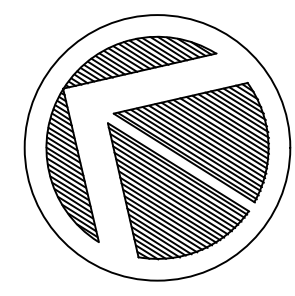
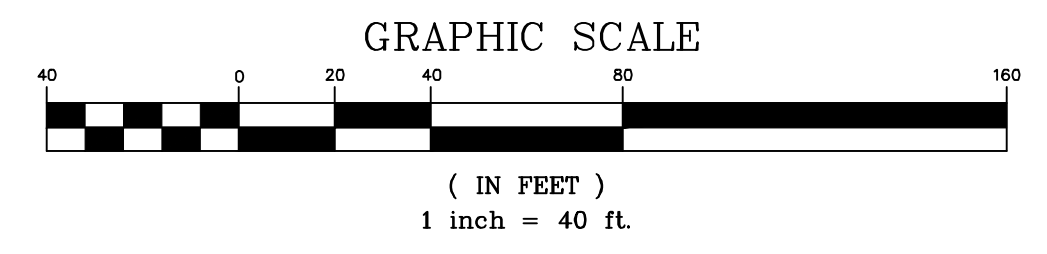
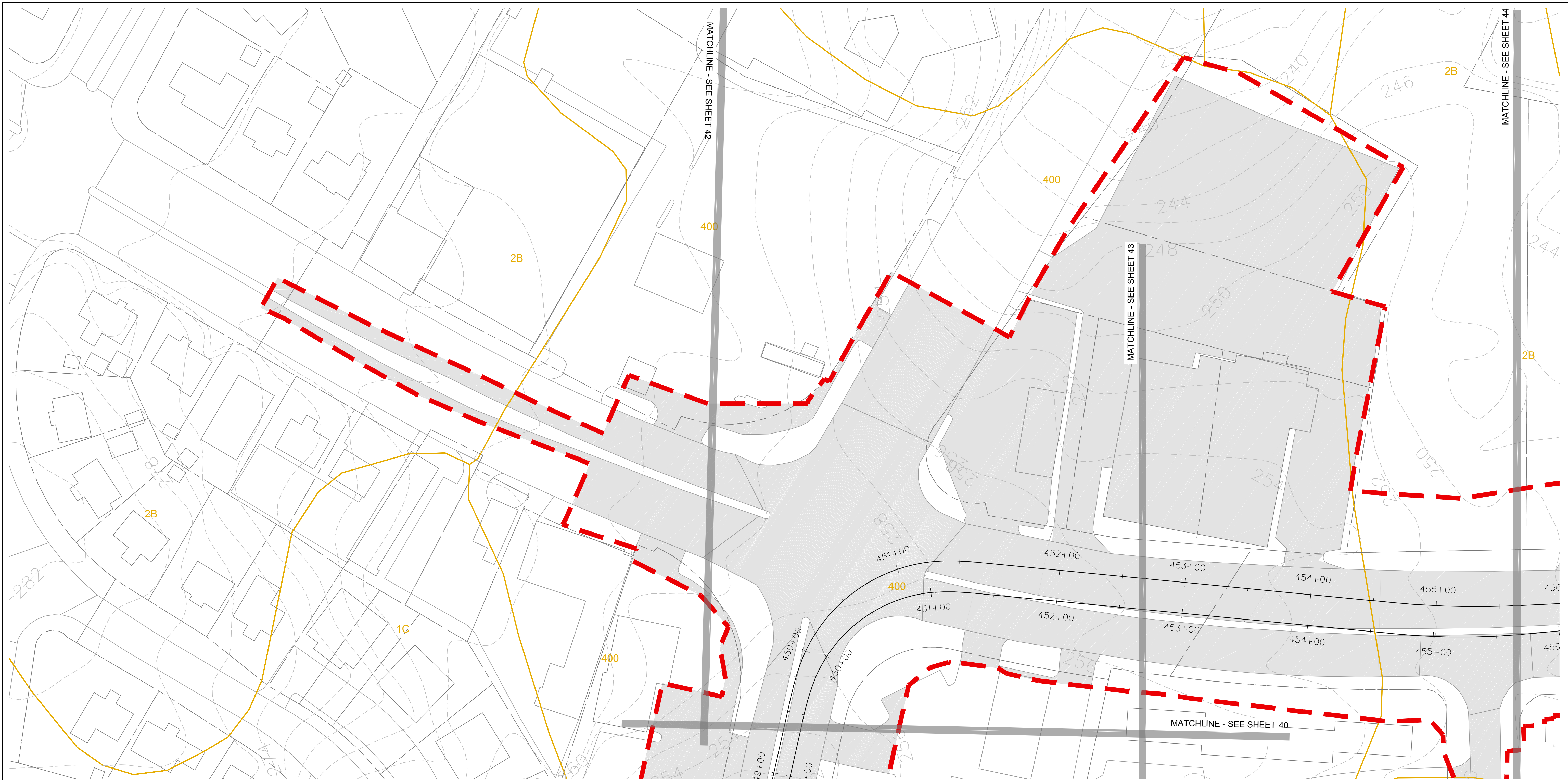
REVISIONS

CJH
 CJH
 MJK
 MJK

DATE: JULY 20, 2016

SCALE: 1" = 40'

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



- LEGEND**
- FOREST STAND BOUNDARY AND LABEL FROM FSD
 - PROPOSED LOD/PROJECT BOUNDARY
 - PROPOSED TREE PROTECTION**
 - FOREST IMPACT AREAS
 - SOILS BOUNDARY AND LABEL
 - IMPERVIOUS AREAS (DEDUCTIONS)
 - SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - SPECIMEN TREE FROM FSD TO BE REMOVED
 - 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
- **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.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION



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
REVISIONS			

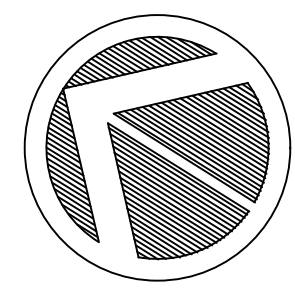
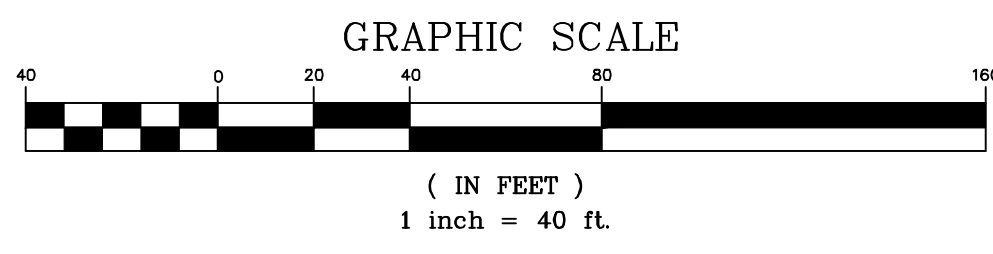
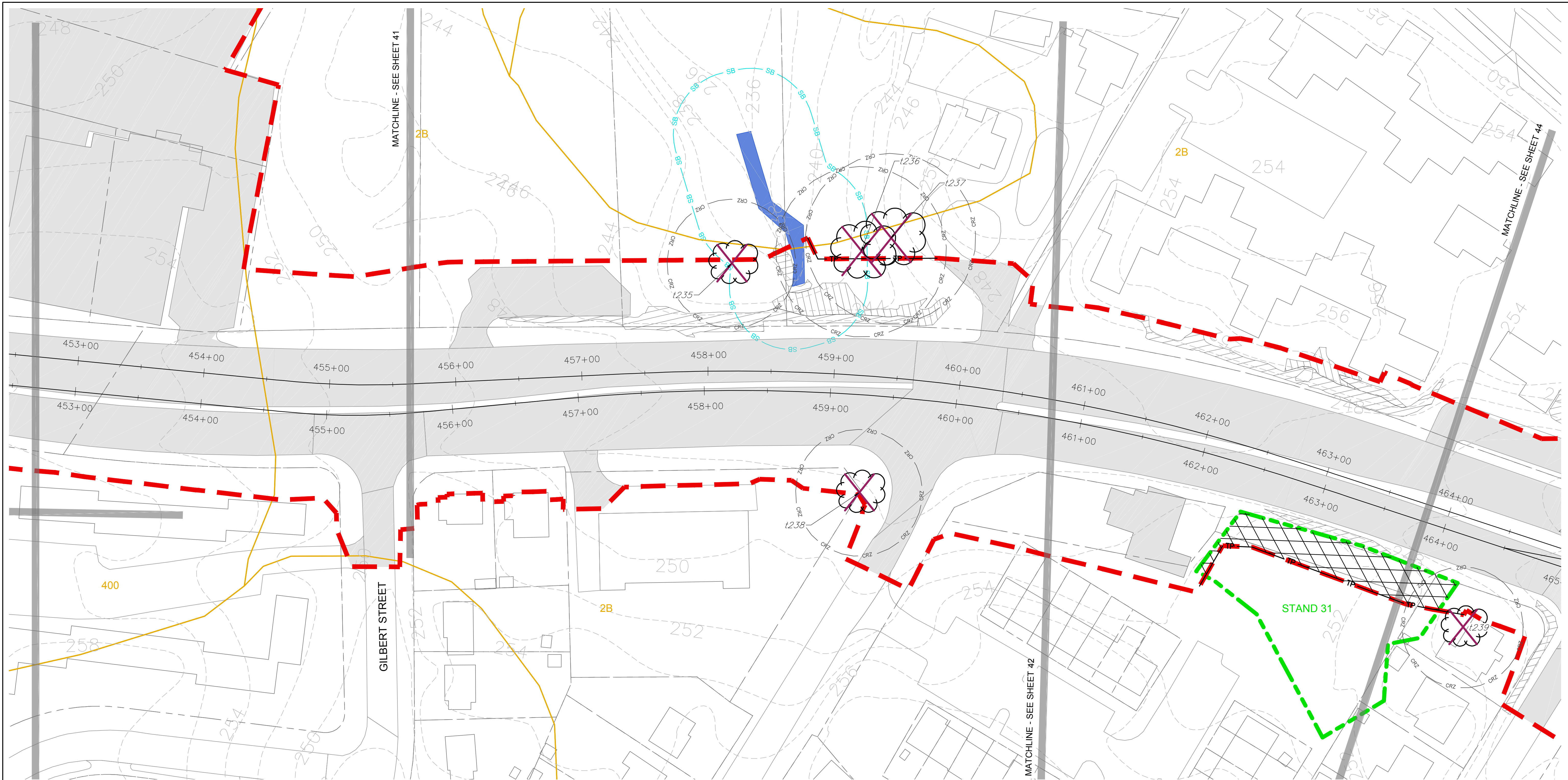
APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 MJK

**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_FCP\SHEETS_21-40.dwg
 PRINTED ON: 20 July 2016



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

**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.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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)

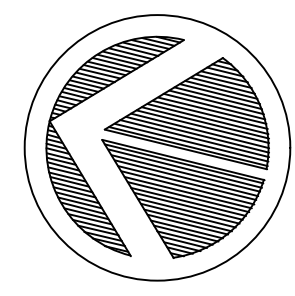
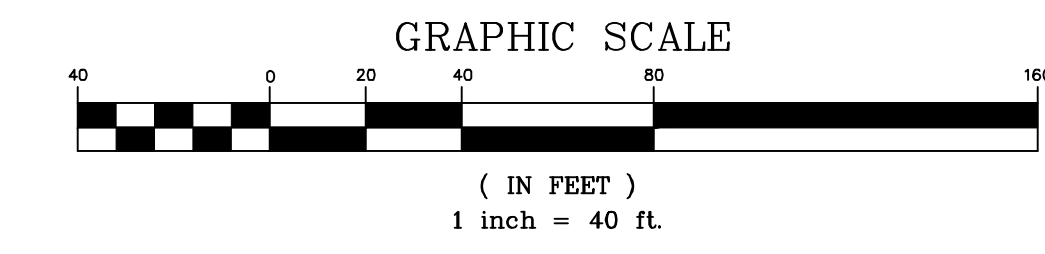
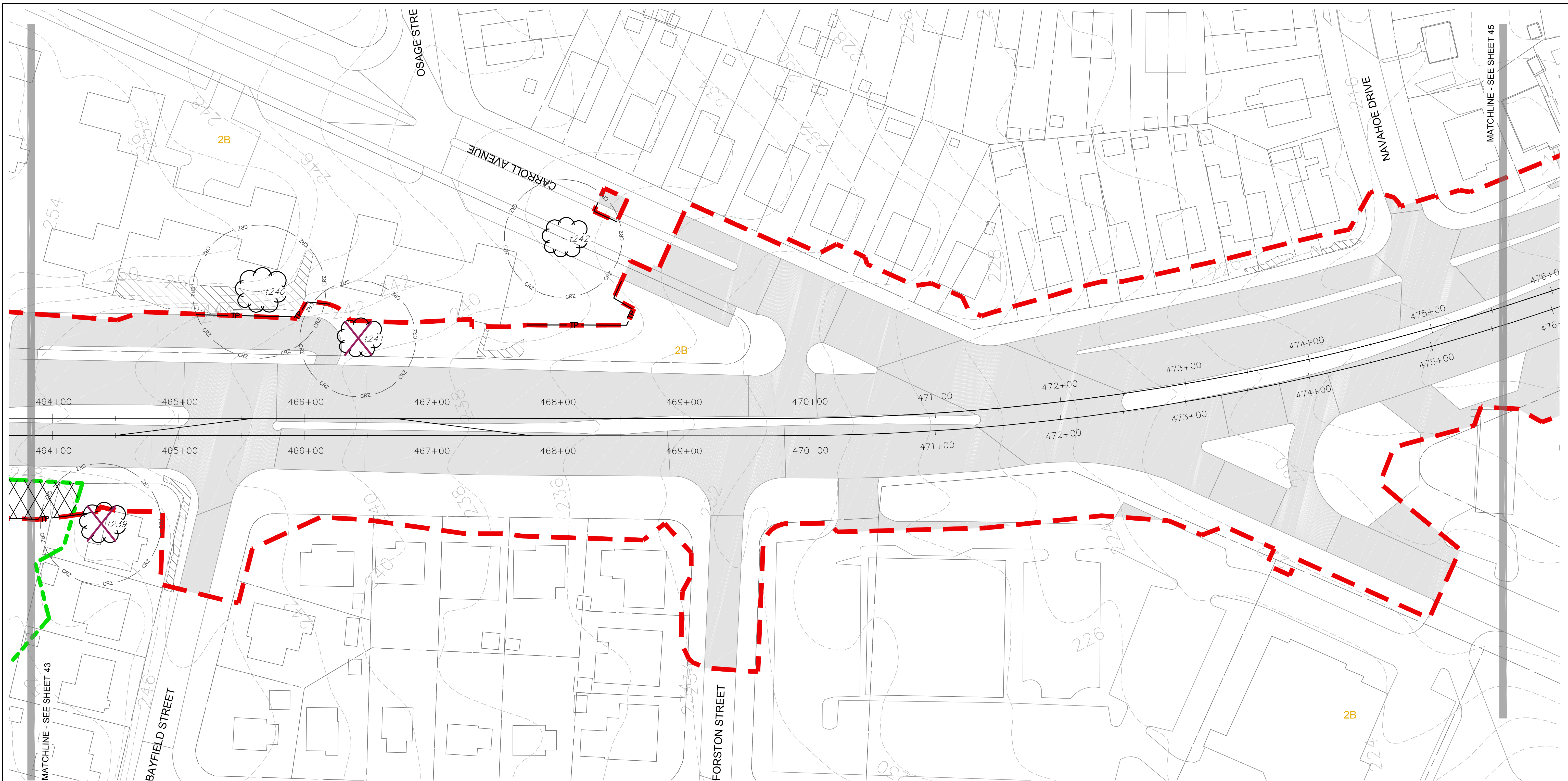
NO.	DESCRIPTION	BY	DATE
REVISIONS			
		CJH	DESIGN
		CJH	
		MJK	
		MJK	

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016

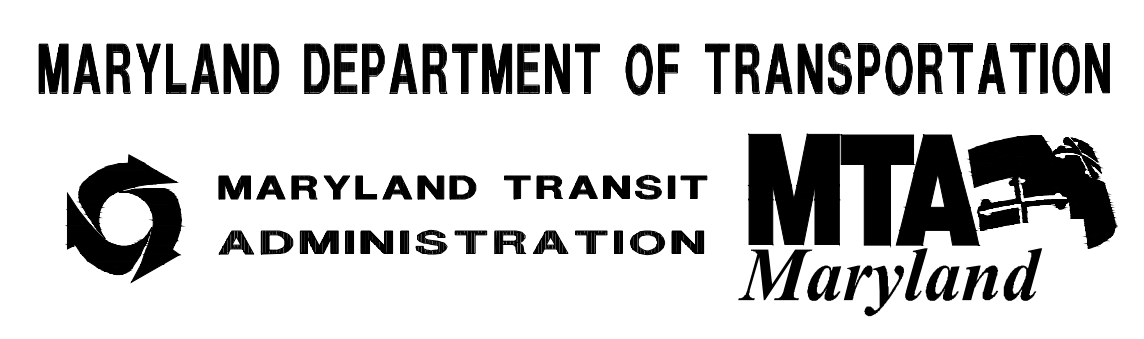
SCALE: 1" = 40'

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



- LEGEND**
- 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
 - 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

**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.



FOREST CONSERVATION PLAN
 PREPARED BY:

 July 20, 2016
 MICHAEL J. KLEBASKO, P.W.S.
 (QUALIFIED PROFESSIONAL PER
 COMAR 08.19.06.01)

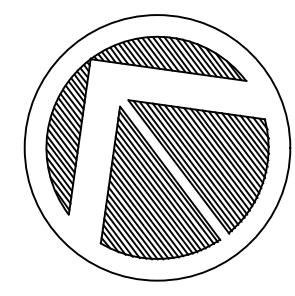
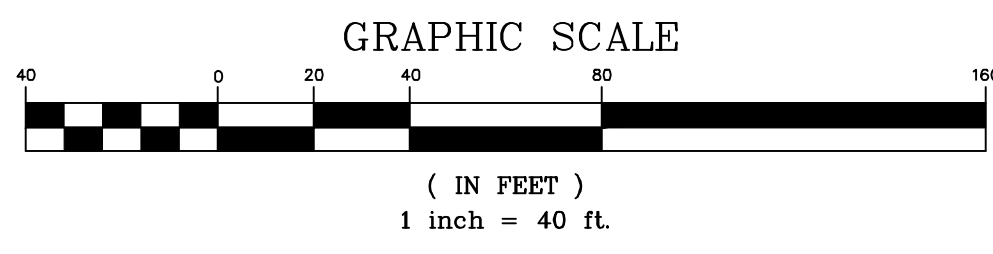
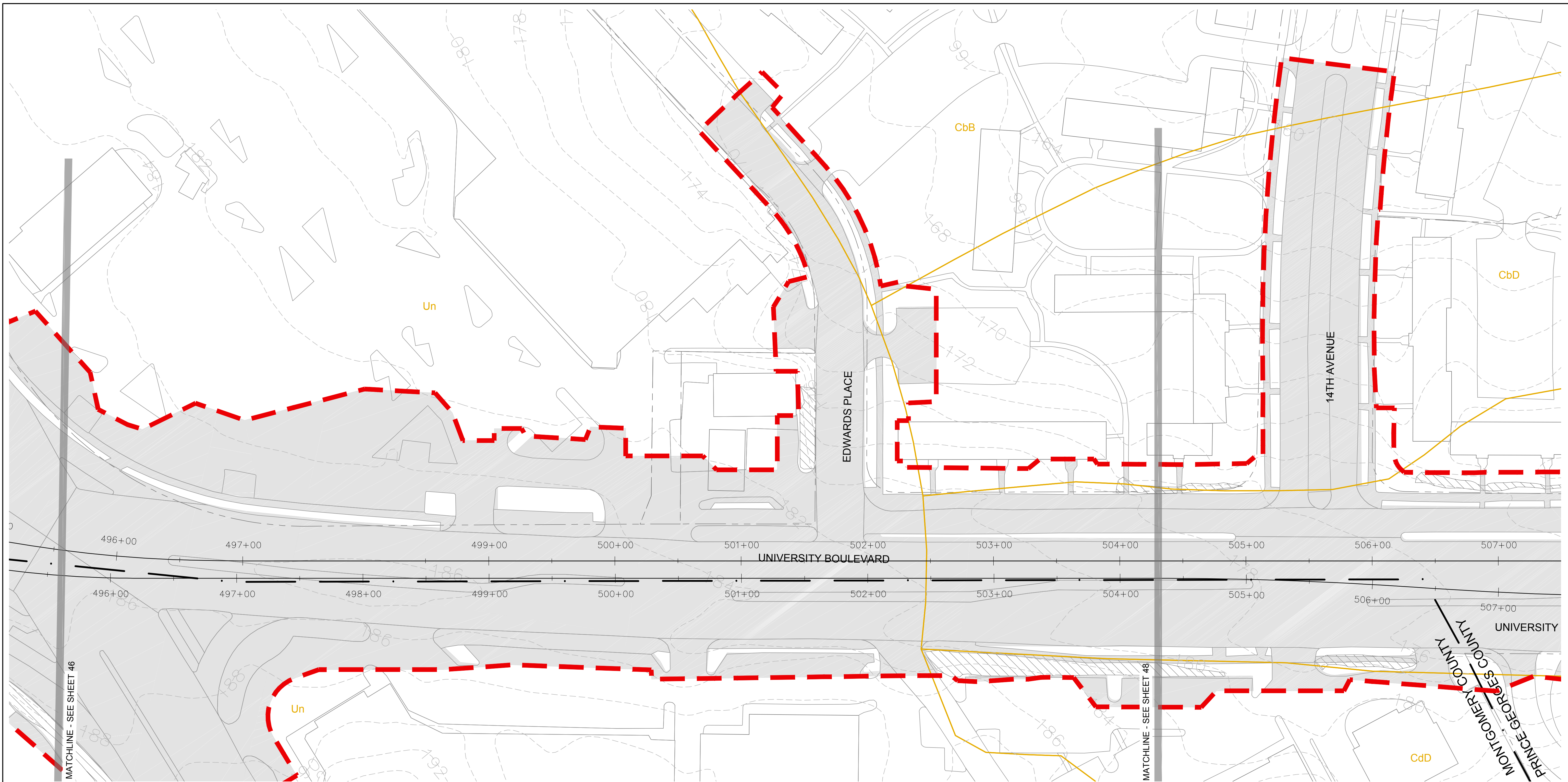
NO.	DESCRIPTION	BY	DATE
REVISIONS			

CJH
 CJH
 MJK
 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



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
- 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



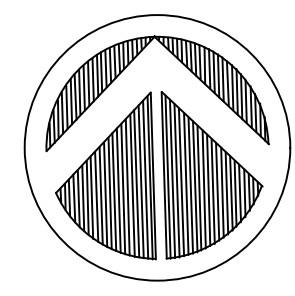
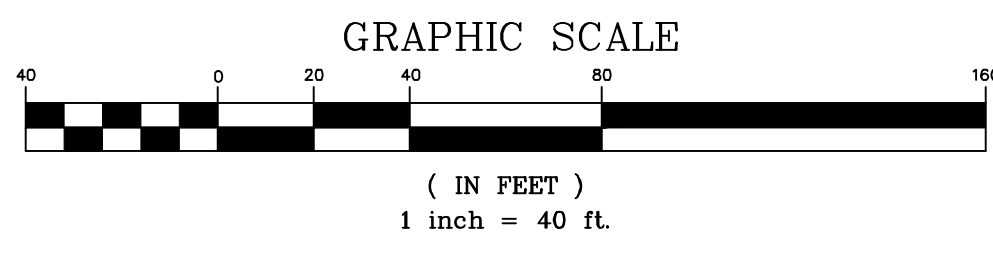
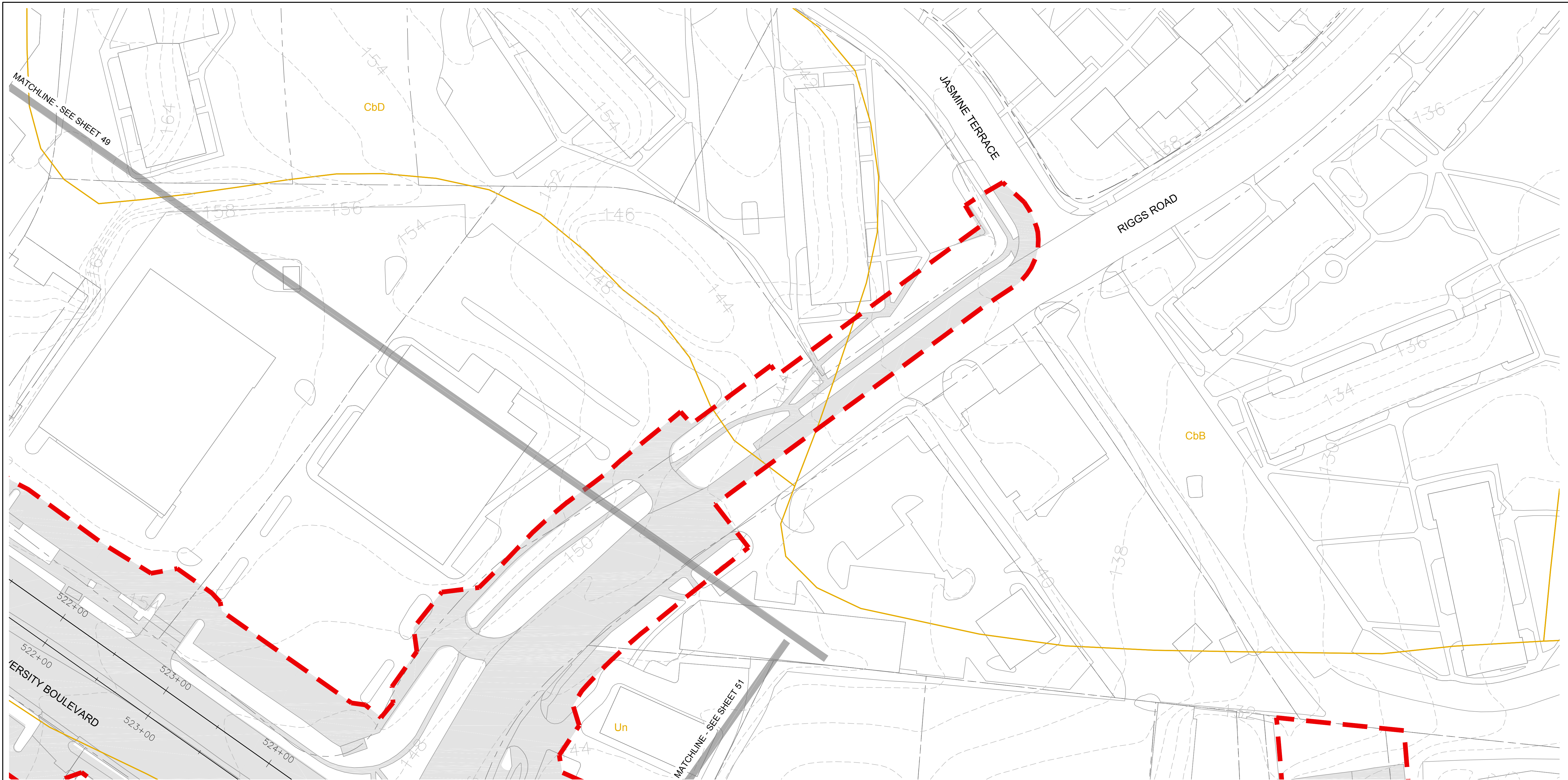
FOREST CONSERVATION PLAN
PREPARED BY:
Michael J. Klebasko
July 20, 2016
MICHAEL J. KLEBASKO, P.W.S.
(QUALIFIED PROFESSIONAL PER
COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
REVISIONS			
		CJH	
		CJH	
		MJK	
		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



- LEGEND**
- 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
- 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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
REVISIONS			

APPR CHECK DRAWN DESIGN

CJH
 CJH
 MJK
 MJK

FOREST CONSERVATION PLAN
 PURPLE LINE LIGHT RAIL
 FOREST CONSERVATION PLAN

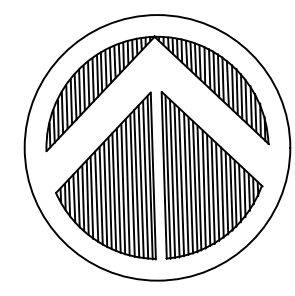
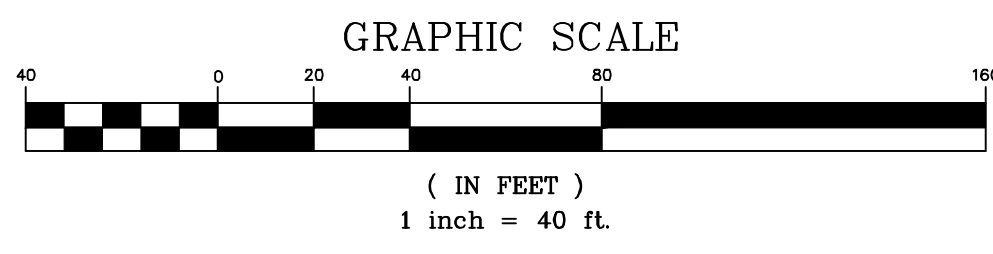
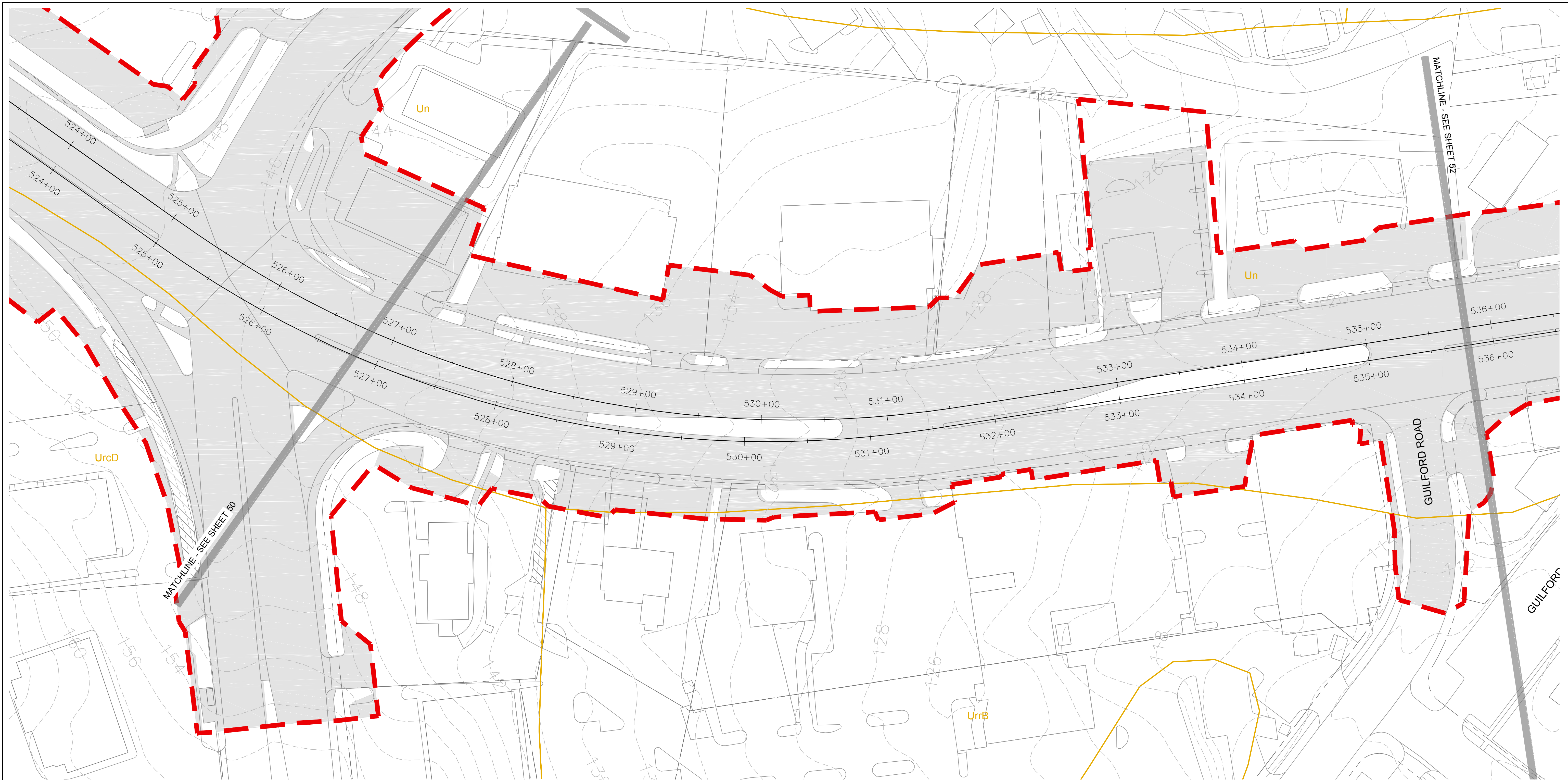
DATE: JULY 20, 2016

SCALE: 1" = 40'

CONTRACT NO.

DRAWING NO.
 FCP-50

SHEET NO.
 50 OF 100



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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
REVISIONS			

APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 MJK

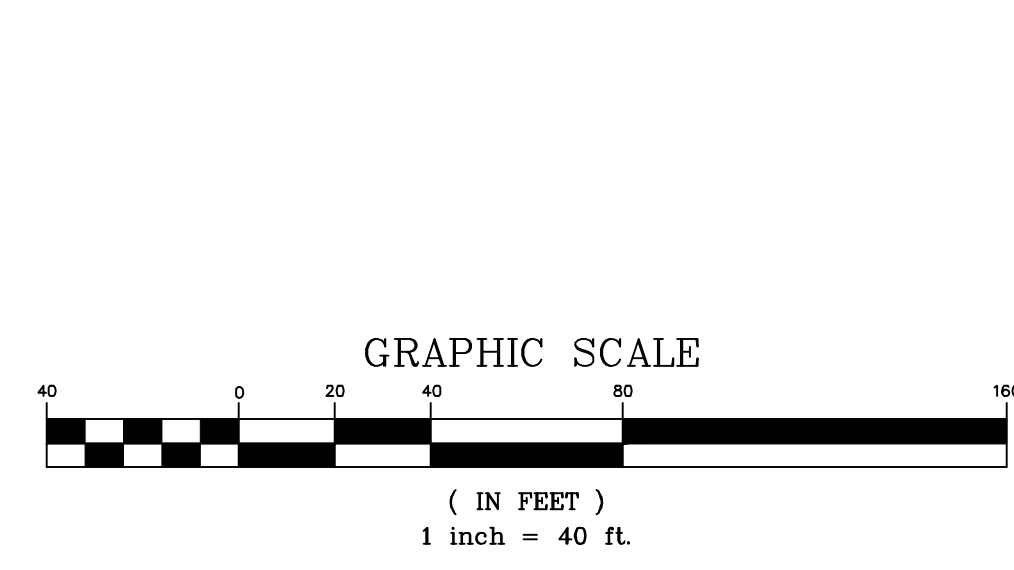
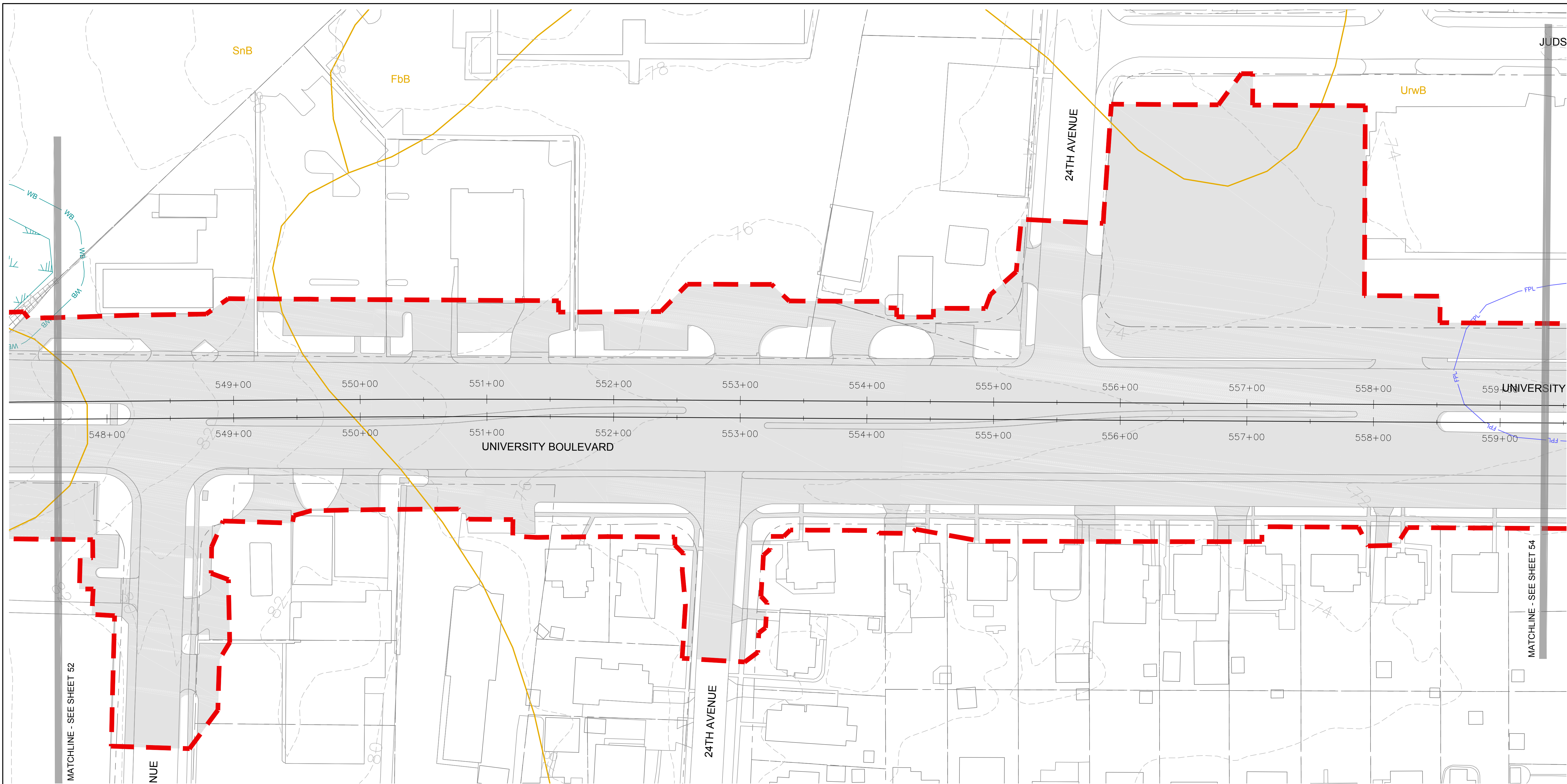
**FOREST CONSERVATION PLAN
 PURPLE LINE LIGHT RAIL**

FOREST CONSERVATION PLAN

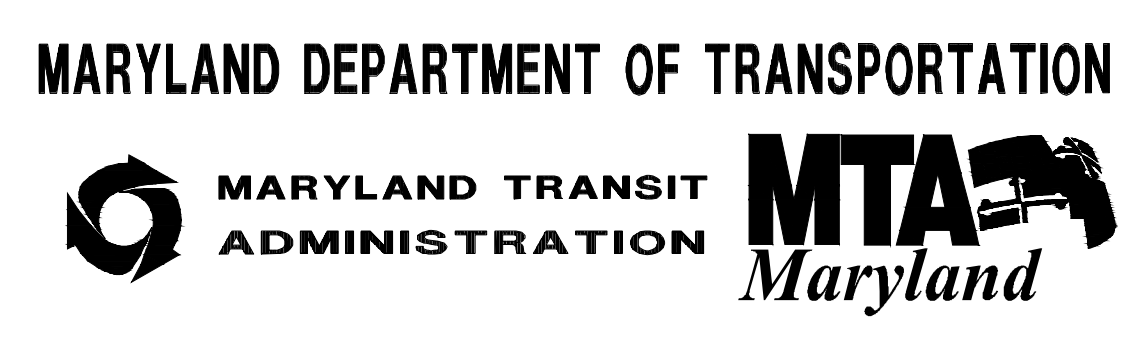
DATE: JULY 20, 2016 SCALE: 1" = 40'

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_FCP\SHEETS_41-60.dwg
 PRINTED ON: 20 July 2016



- 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
 - 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
- **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.



Wetland
Studies and Solutions, Inc.
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)

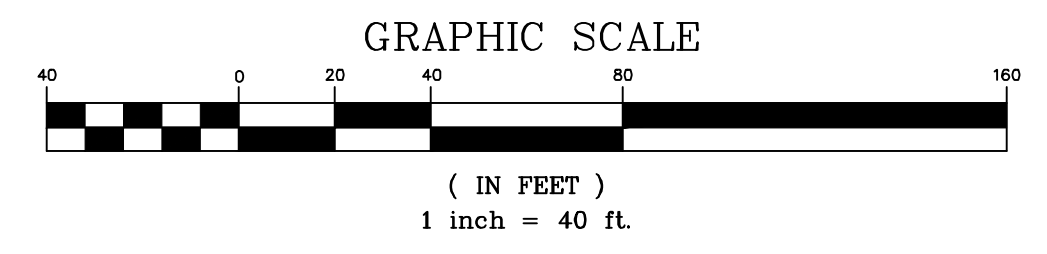
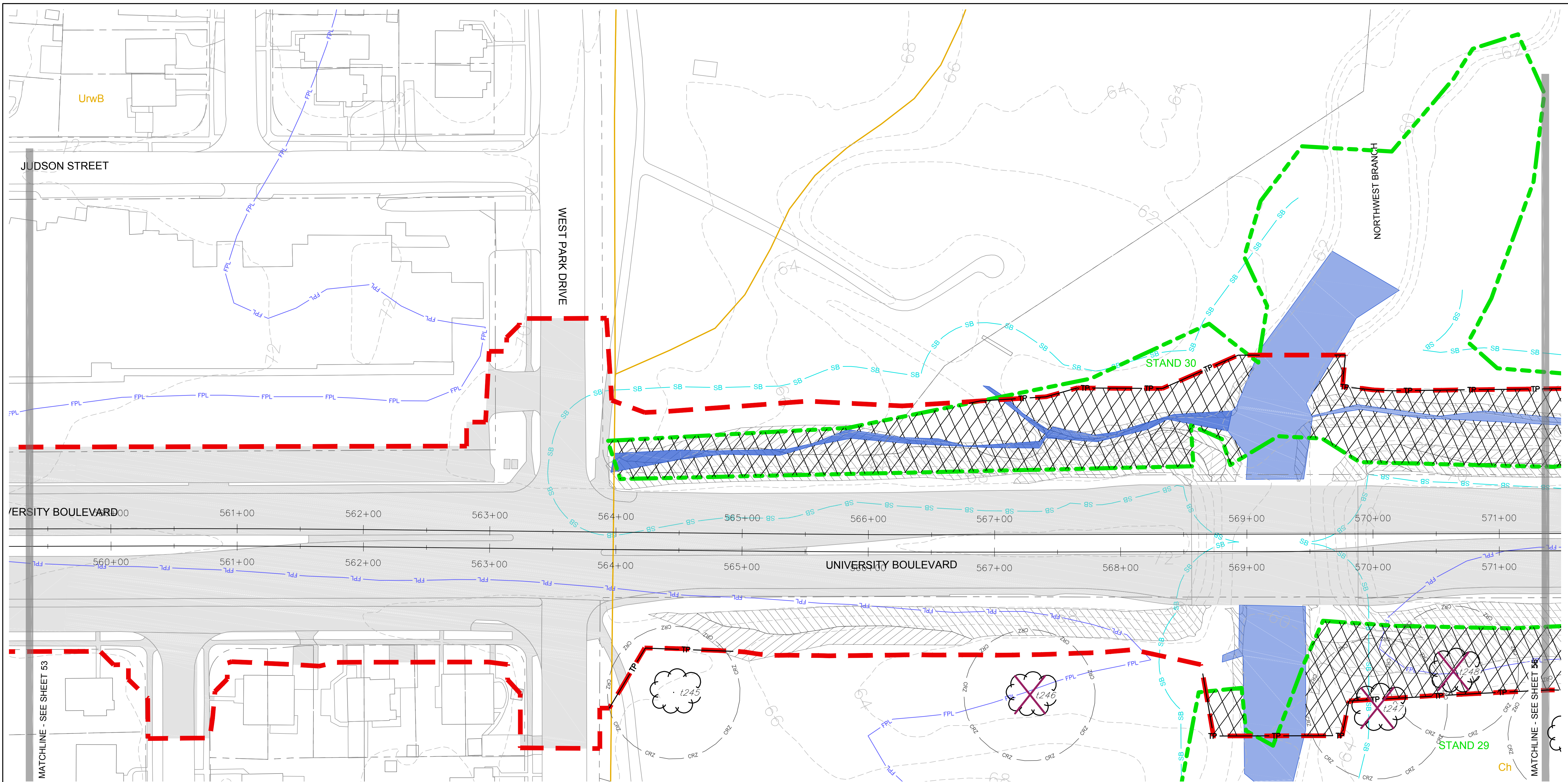
NO.	DESCRIPTION	BY	DATE	APPR	CHECK	DRAWN	DESIGN
							CJH
							CJH
							MJK
							MJK

REVISIONS

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_FCP\SHEETS_41-60.dwg
PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION



FOREST CONSERVATION PLAN
 PREPARED BY:

 July 20, 2016
 MICHAEL J. KLEBASKO, P.W.S.
 (QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

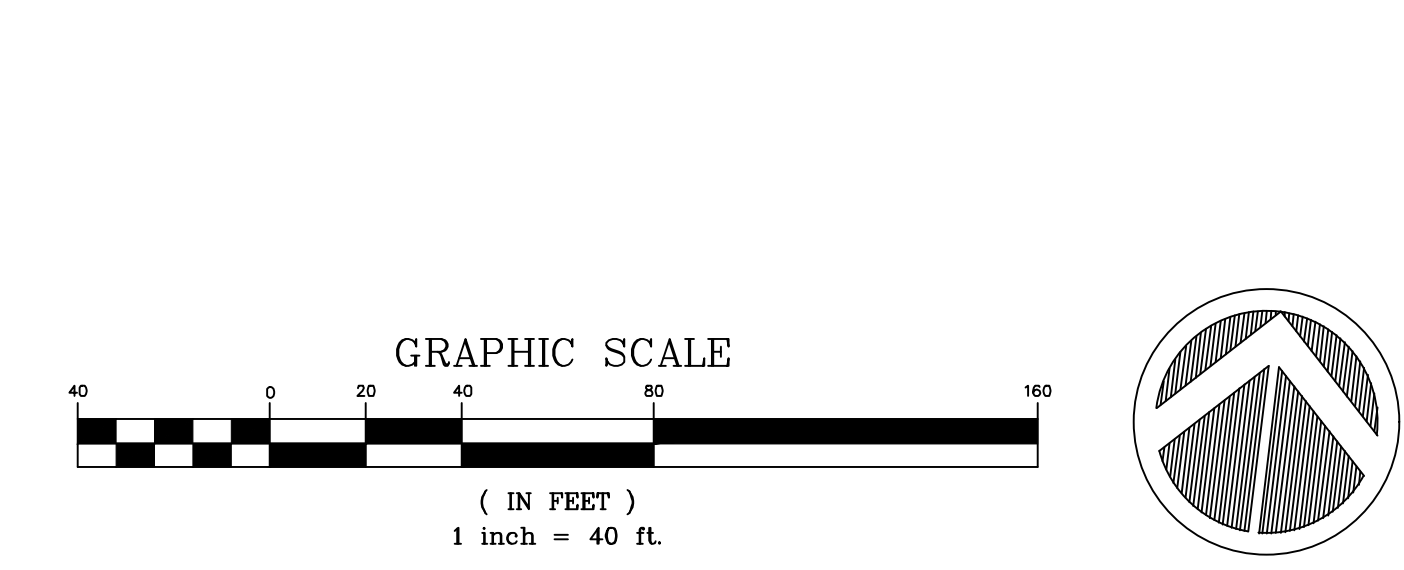
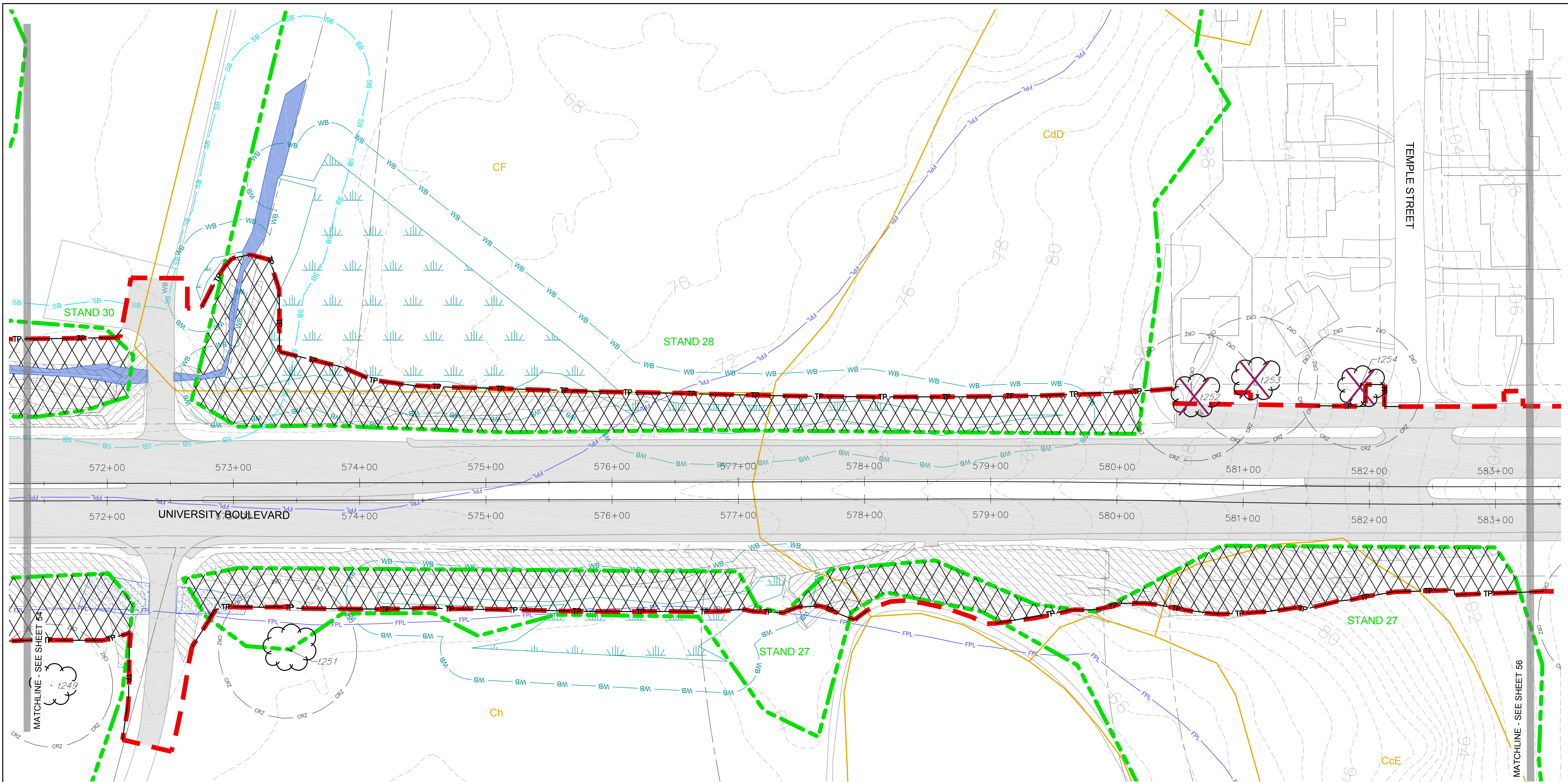
NO.	DESCRIPTION	BY	DATE
REVISIONS			

CJH
 CJH
 MJK
 MJK

DATE: JULY 20, 2016

SCALE: 1" = 40'

CONTRACT NO. ---
 DRAWING NO. FCP-54
 SHEET NO. 54 OF 100



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXX 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.
 - t249 SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - t252 SPECIMEN TREE FROM FSD TO BE REMOVED
 - 2B SOILS BOUNDARY AND LABEL
 - CcE 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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION

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
REVISIONS			

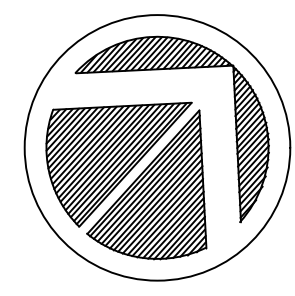
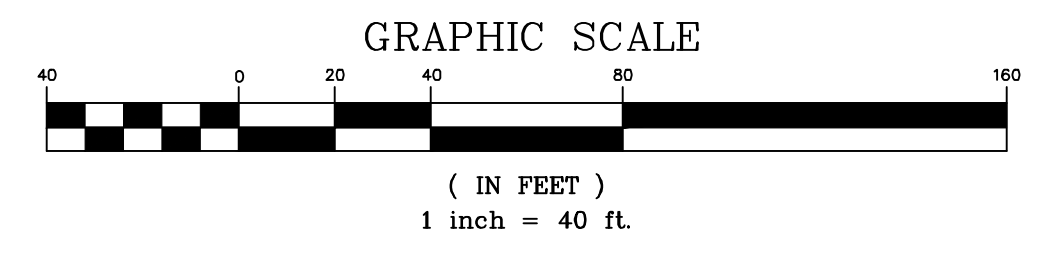
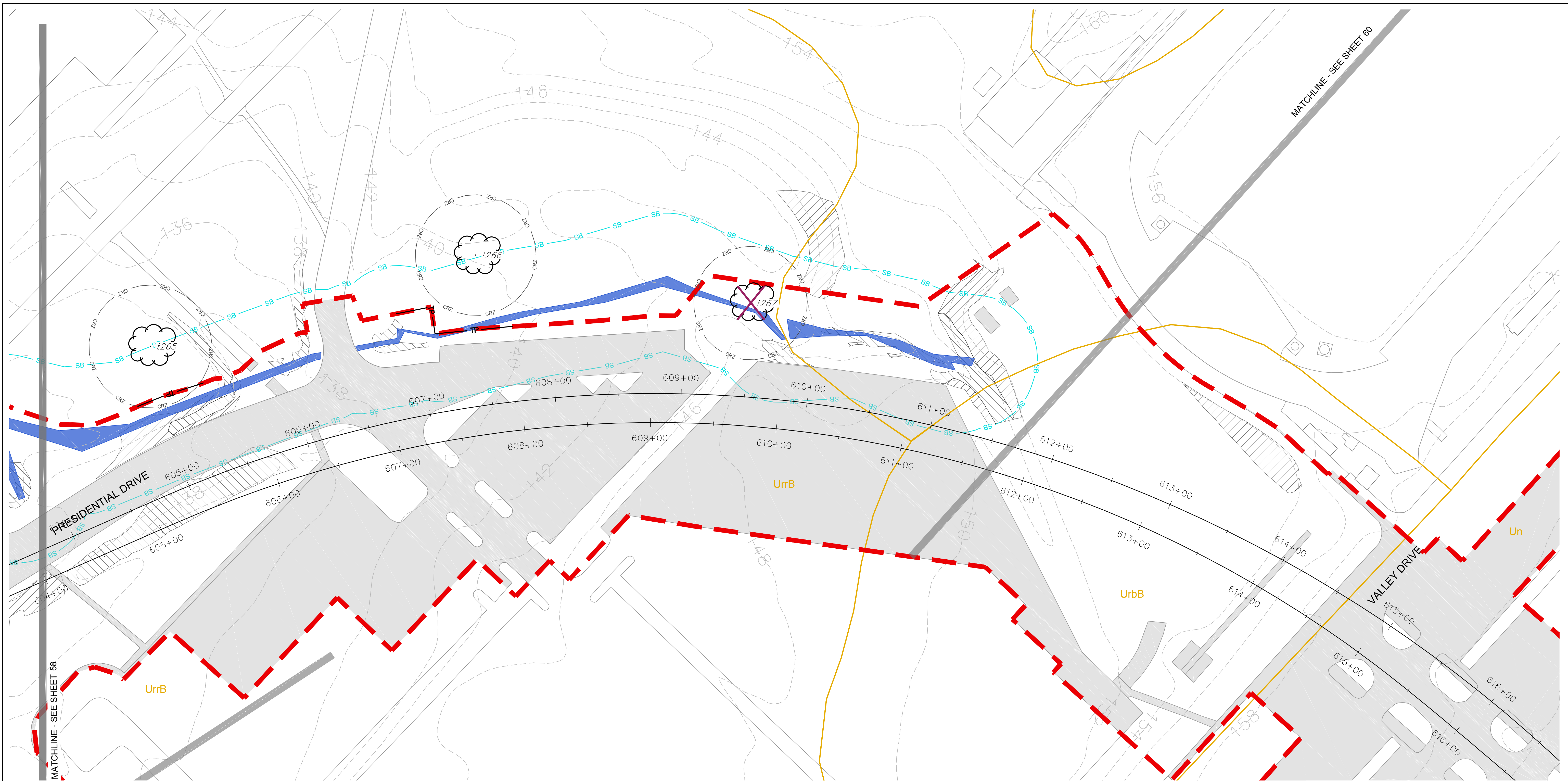
APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 MJK

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_FCP\SHEETS_41-60.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- FOREST STAND BOUNDARY AND LABEL FROM FSD
 - PROPOSED LOD/PROJECT BOUNDARY
 - PROPOSED TREE PROTECTION**
 - SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - SPECIMEN TREE FROM FSD TO BE REMOVED
 - 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

**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.

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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)

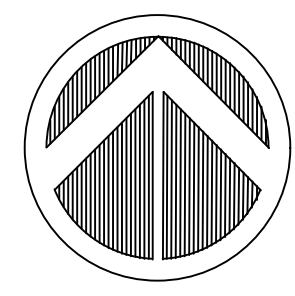
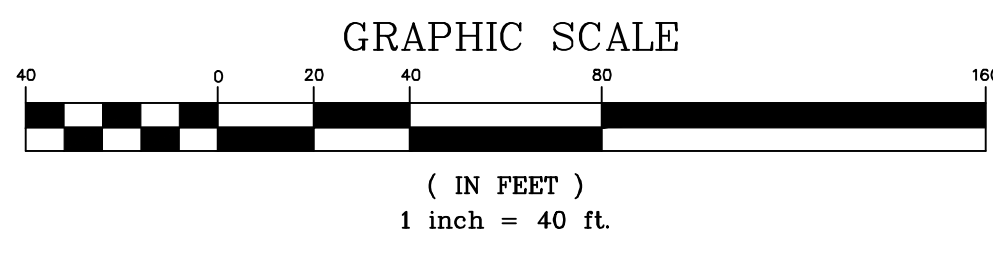
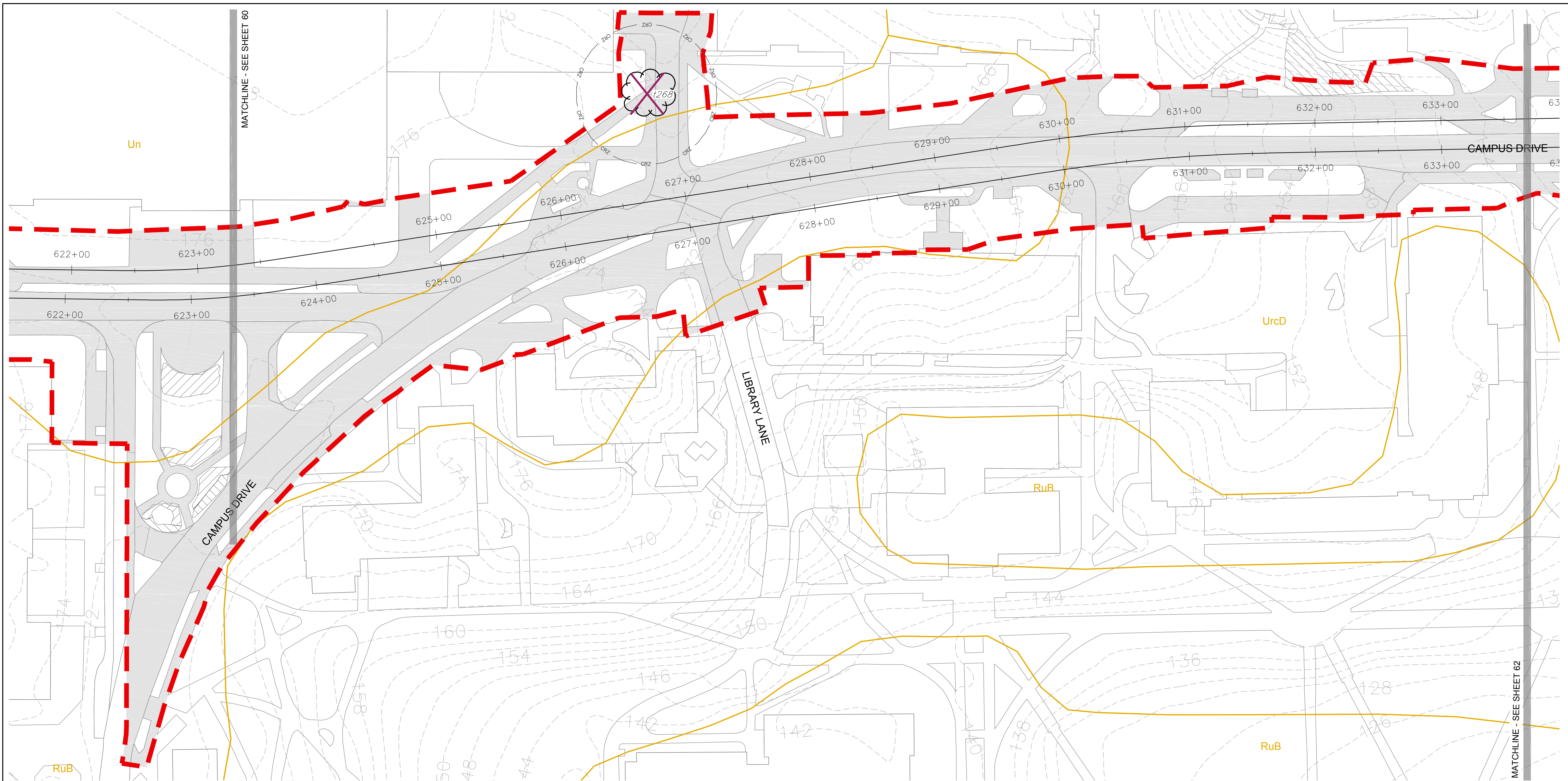
NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR CHECK DRAWN DESIGN
CJH
CJH
MJK
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



- LEGEND**
- [STAND 5] FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXX 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
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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			
		CJH	
		CJH	
		MJK	
		MJK	

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016

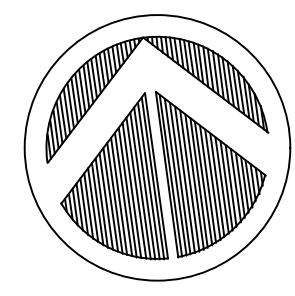
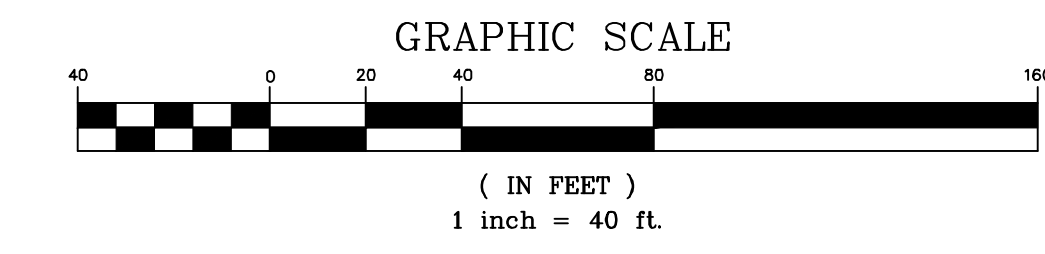
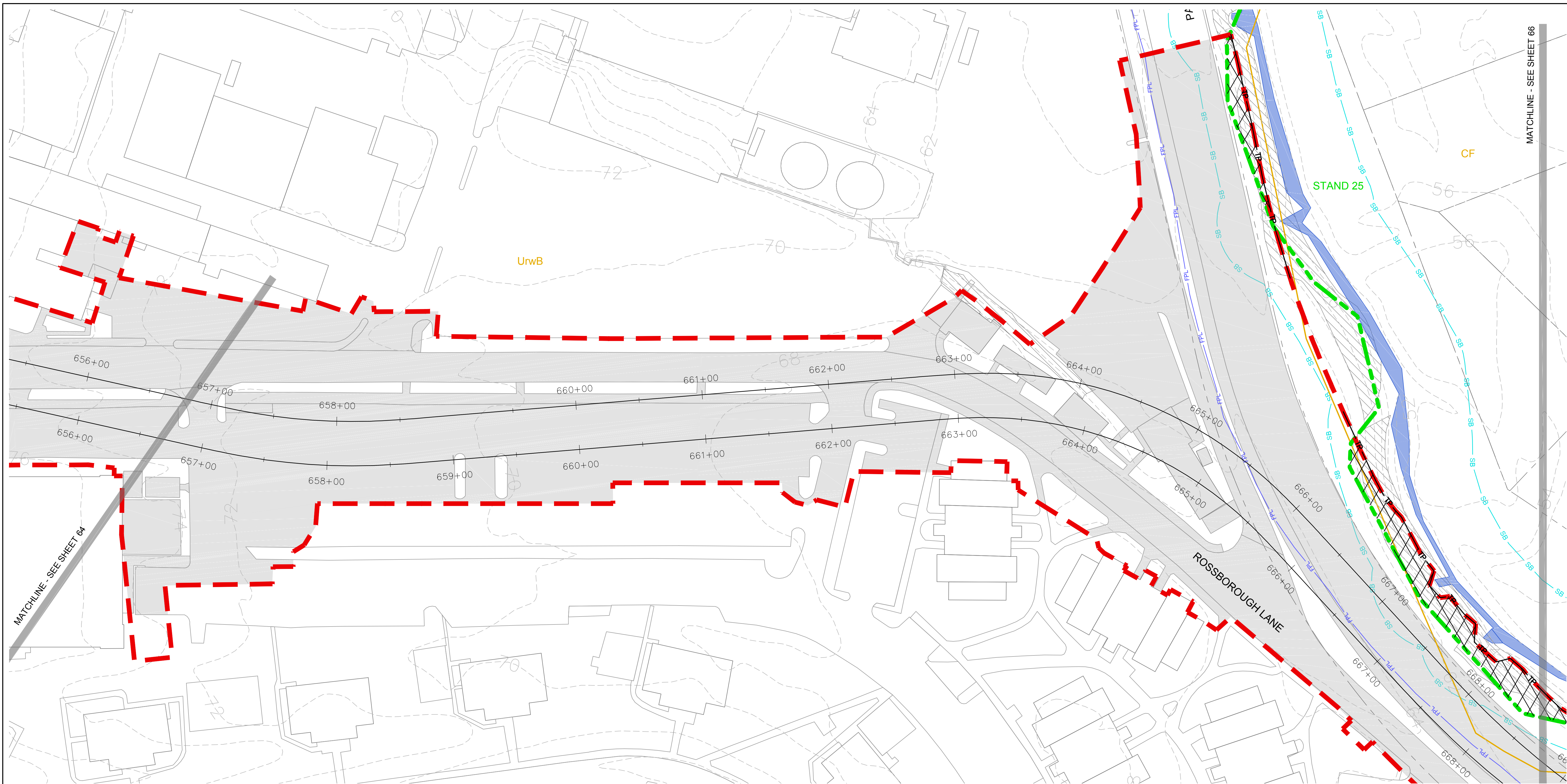
SCALE: 1" = 40'

CONTRACT NO. ---

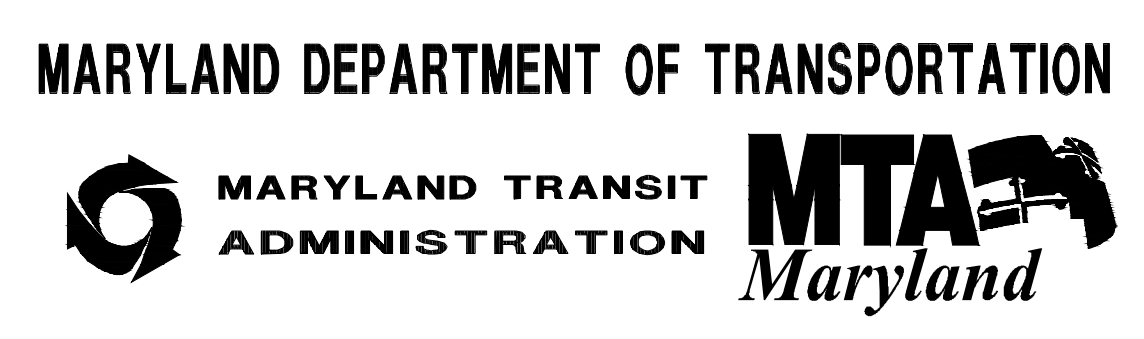
DRAWING NO. FCP-61

SHEET NO. 61 OF 100

L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_41-60.dwg
PRINTED ON: 20 July 2016



- LEGEND**
- [STAND 5] FOREST STAND BOUNDARY AND LABEL FROM FSD
 - - - - 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.
 - (X)(X)(X)(X) FOREST IMPACT AREAS
 - (X)(X)(X)(X) SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - (X)(X)(X)(X) SPECIMEN TREE FROM FSD TO BE REMOVED
 - (X)(X)(X)(X) 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



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			

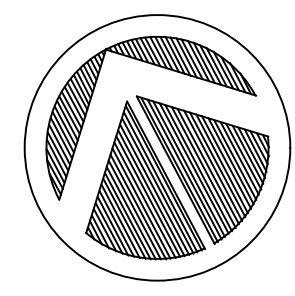
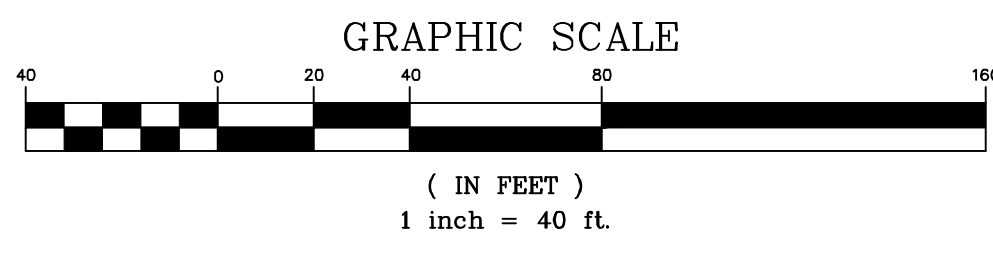
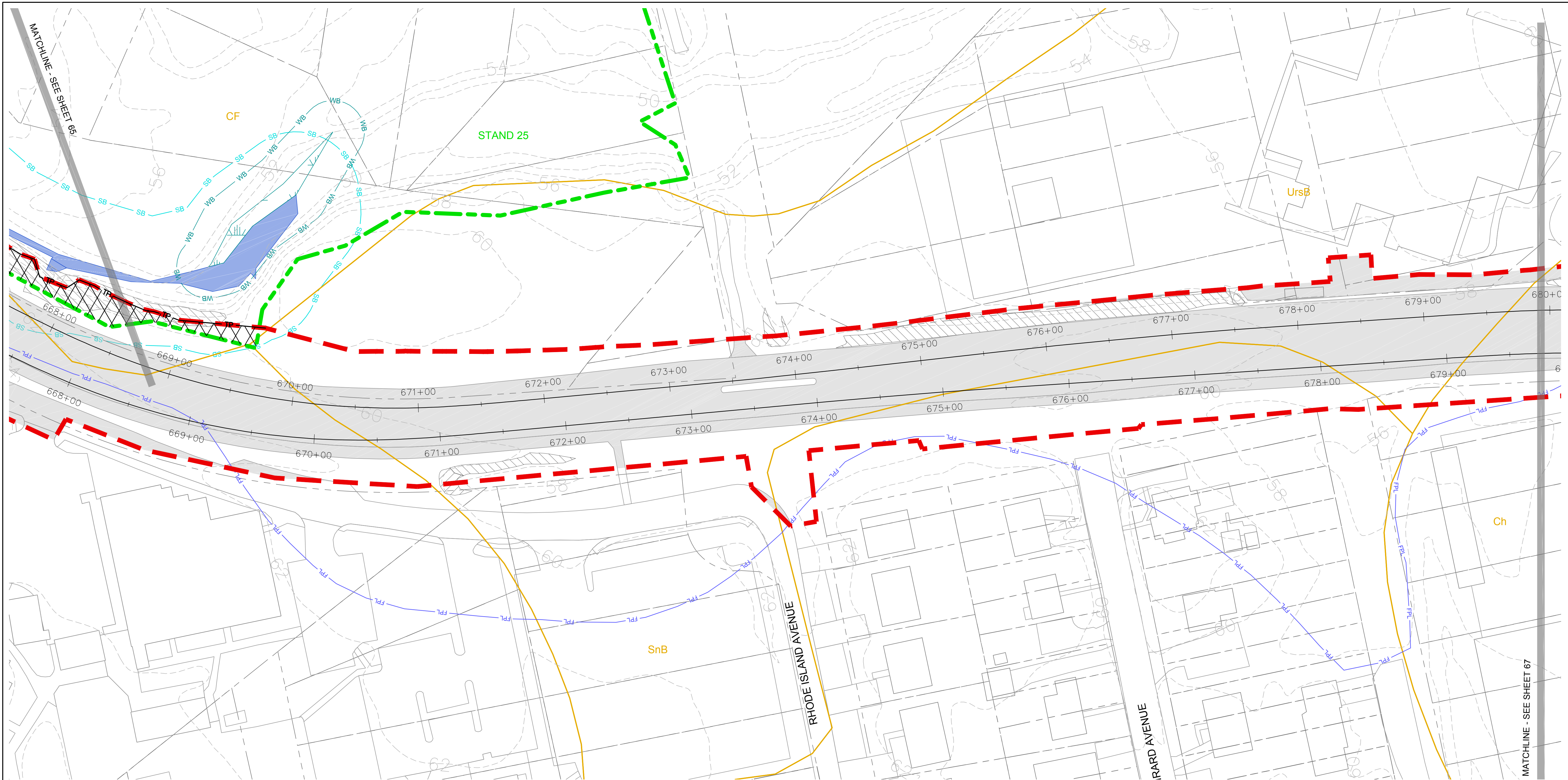
CJH
 CJH
 MJK
 MJK

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_FCP\SHEETS_63-84.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- [---] **STAND 5** FOREST STAND BOUNDARY AND LABEL FROM FSD
 - [---] PROPOSED LOD/PROJECT BOUNDARY
 - [X X X X] FOREST IMPACT AREAS
 - [---] 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** 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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION

Wetland
 Studies and Solutions, Inc.
 a DINEY company

FOREST CONSERVATION PLAN
 PREPARED BY:

 July 20, 2016
 MICHAEL J. KLEBASKO, P.W.S.
 (QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

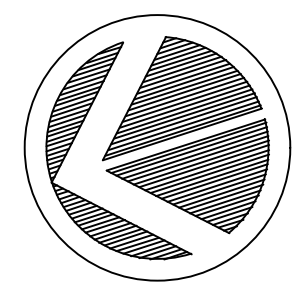
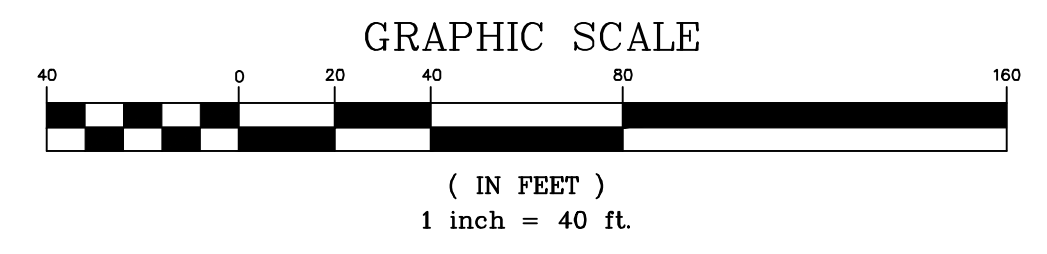
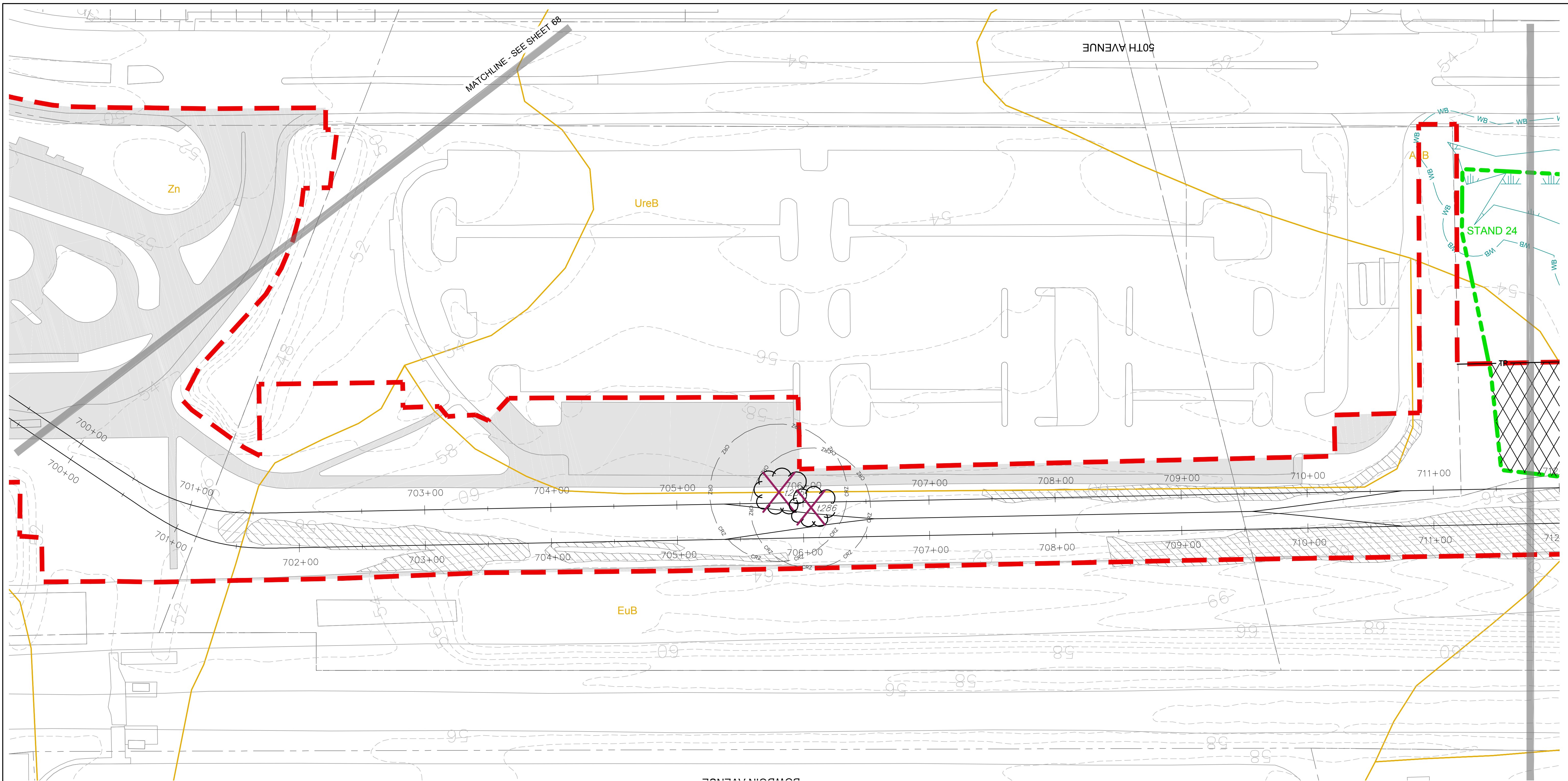
NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR	CJH
CHECK	CJH
DRAWN	MJK
DESIGN	MJK

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

L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_63-84.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- FOREST STAND BOUNDARY AND LABEL FROM FSD
 - PROPOSED LOD/PROJECT BOUNDARY
 - FOREST IMPACT AREAS
 - 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.

- COMBINATION**
- SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - SPECIMEN TREE FROM FSD TO BE REMOVED
 - SOILS BOUNDARY AND LABEL
 - IMPERVIOUS AREAS (DEDUCTIONS)

- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- 50-FT STREAM BUFFER
- 25-FT WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



FOREST CONSERVATION PLAN
 PREPARED BY:

 July 20, 2016
 MICHAEL J. KLEBASKO, P.W.S.
 (QUALIFIED PROFESSIONAL PER
 COMAR 08.19.06.01)

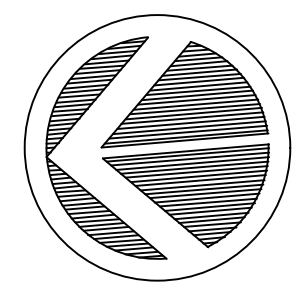
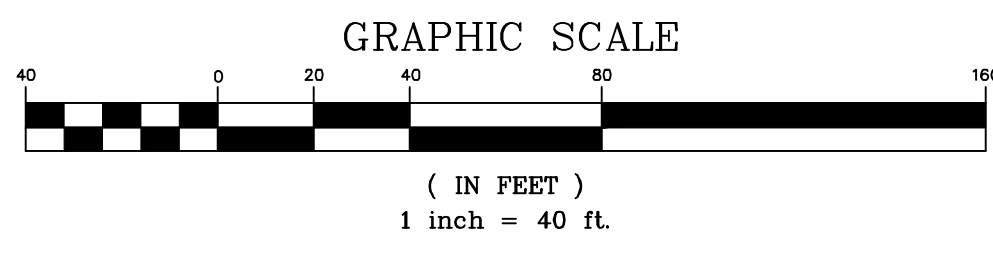
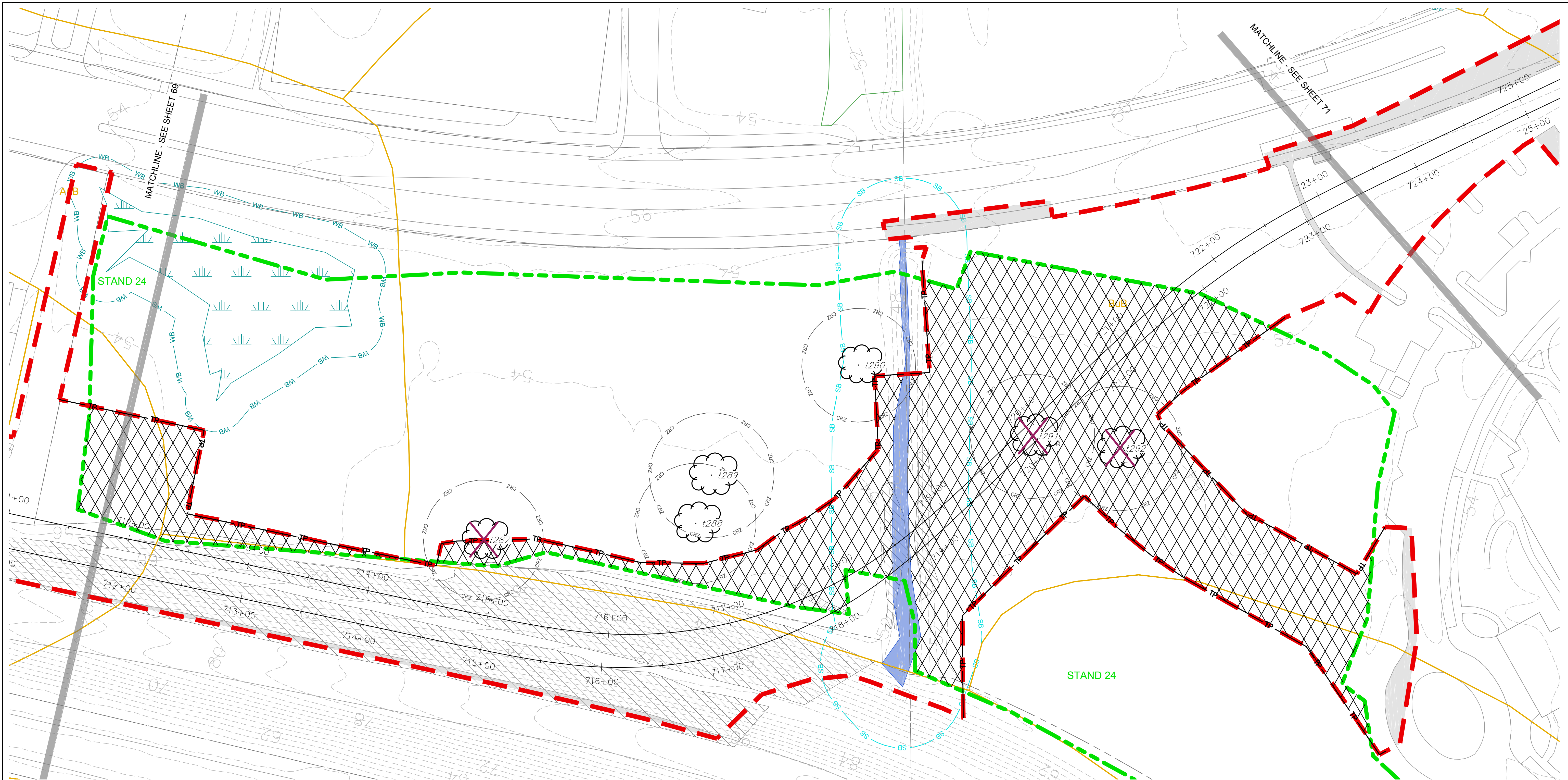
NO.	DESCRIPTION	BY	DATE
REVISIONS			

DESIGN	CJH
CHECK	CJH
DRAWN	MJK
APPROVED	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

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_63-84.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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

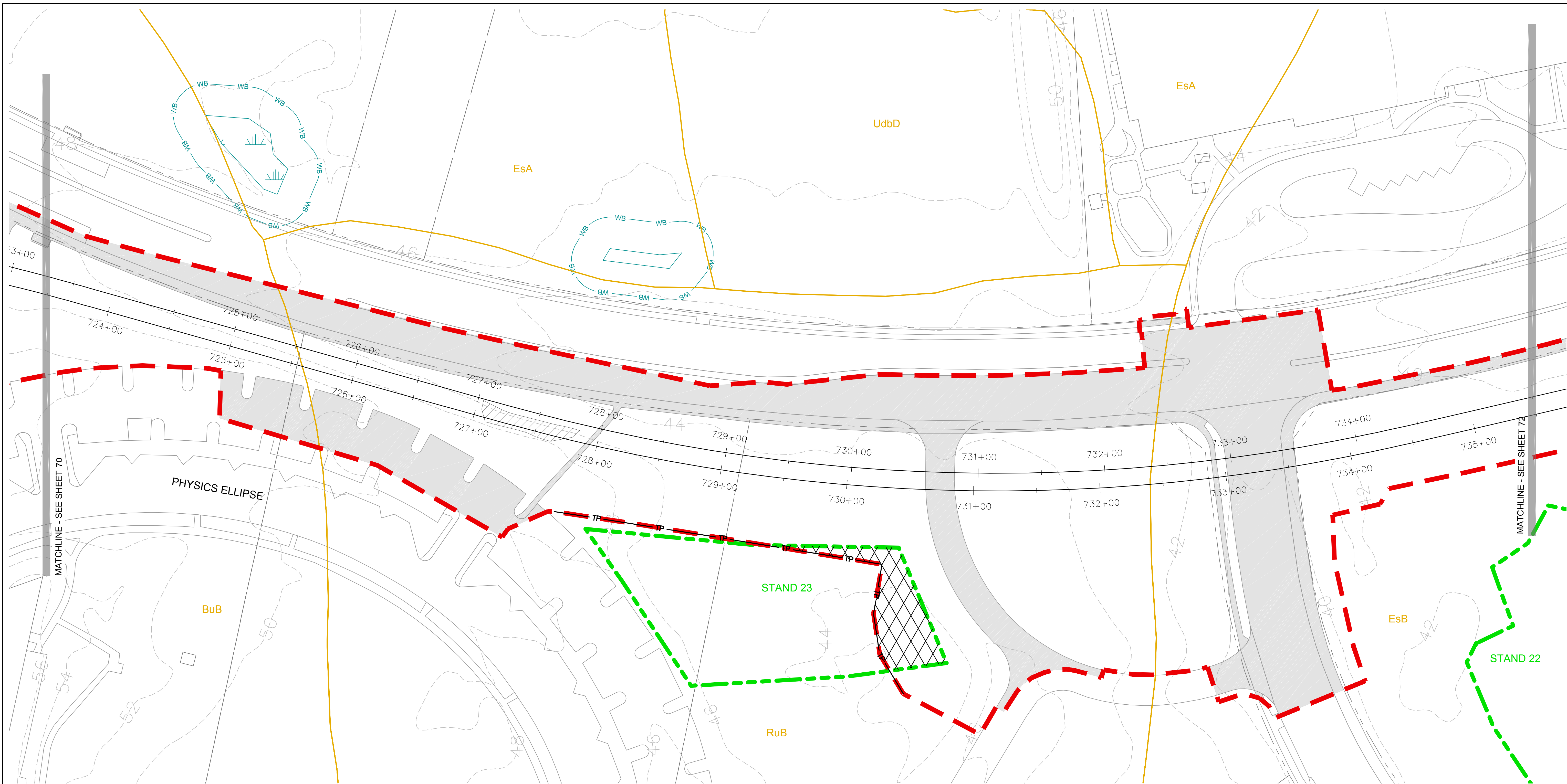
REVISIONS

APPR	CJK
CHECK	CJK
DRAWN	MJK
DESIGN	MJK

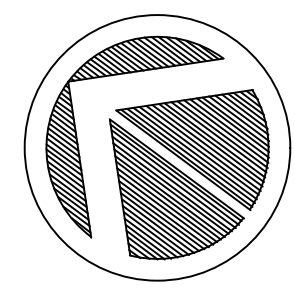
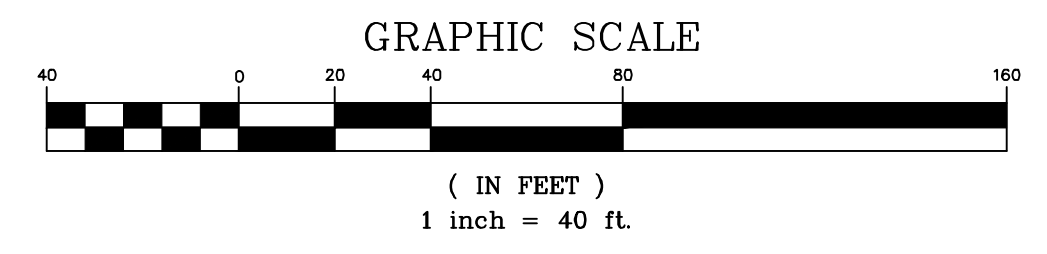
FOREST CONSERVATION PLAN
 PURPLE LINE LIGHT RAIL
 FOREST CONSERVATION PLAN

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

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



- 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
 - 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



MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION



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
REVISIONS			

APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 MJK

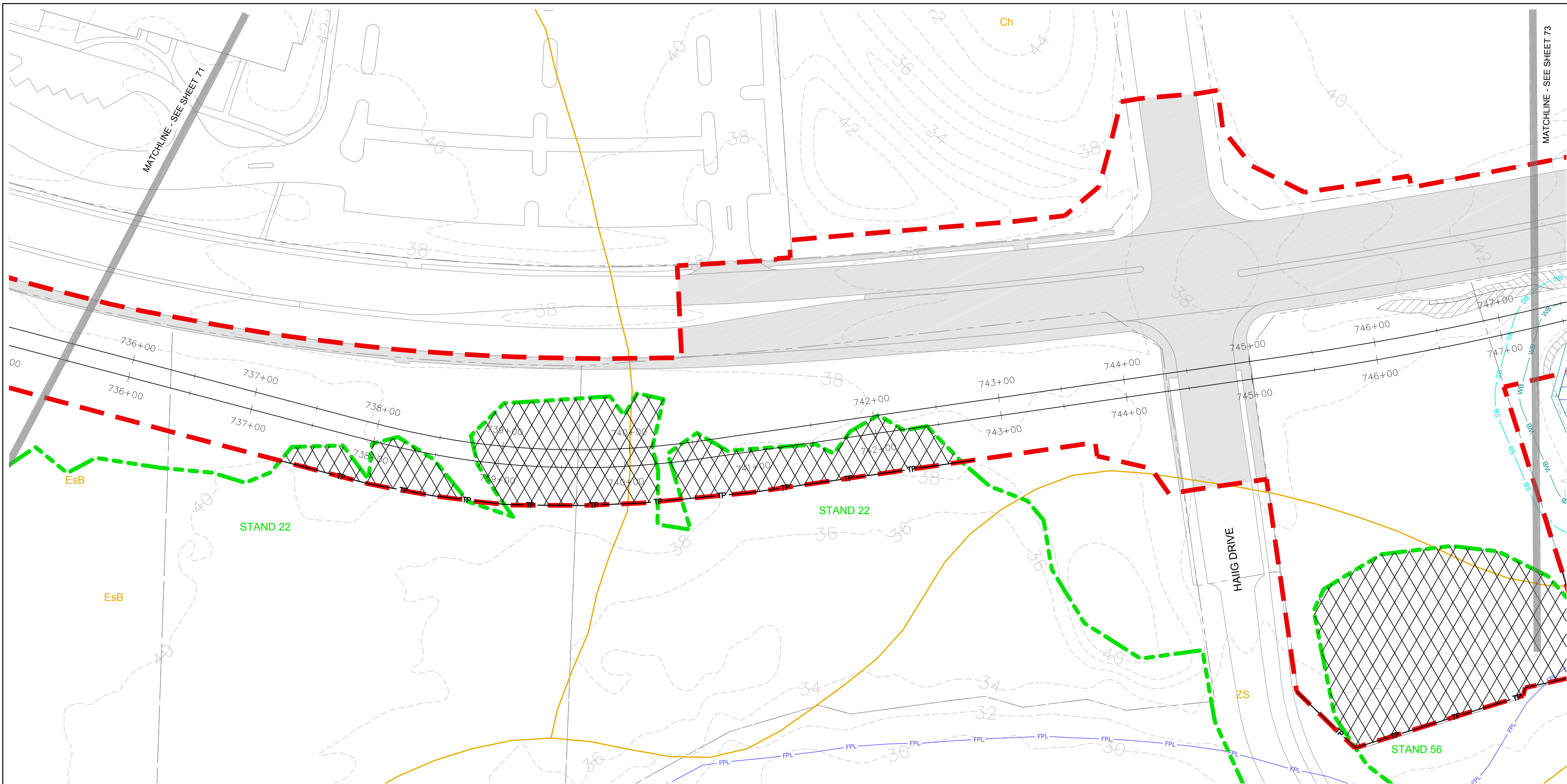
**FOREST CONSERVATION PLAN
 PURPLE LINE LIGHT RAIL**

FOREST CONSERVATION PLAN

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

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

L:\Maryland\Projects\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_63-84.dwg
 PRINTED ON: 20 July 2016



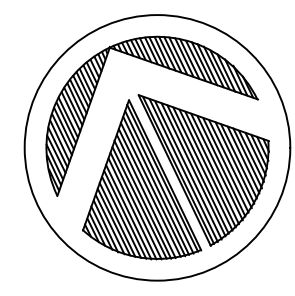
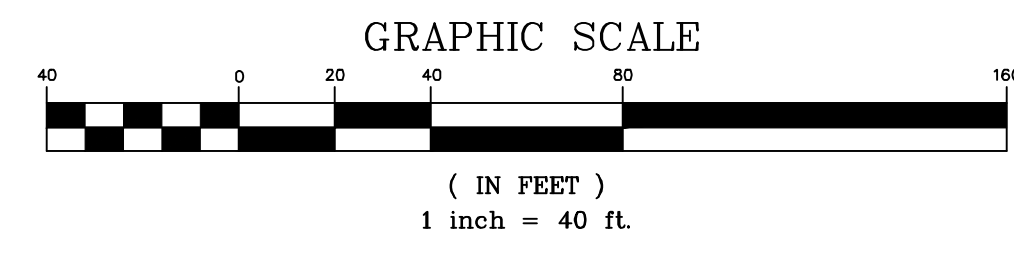
MATCHLINE - SEE SHEET 71

MATCHLINE - SEE SHEET 73

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
- 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

**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.



MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION



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
REVISIONS			

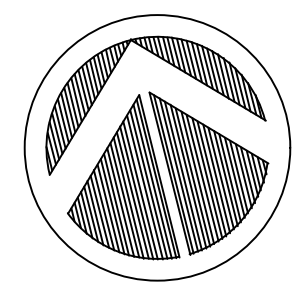
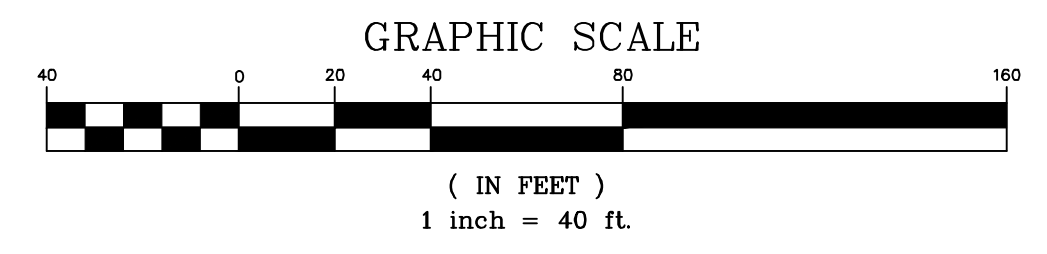
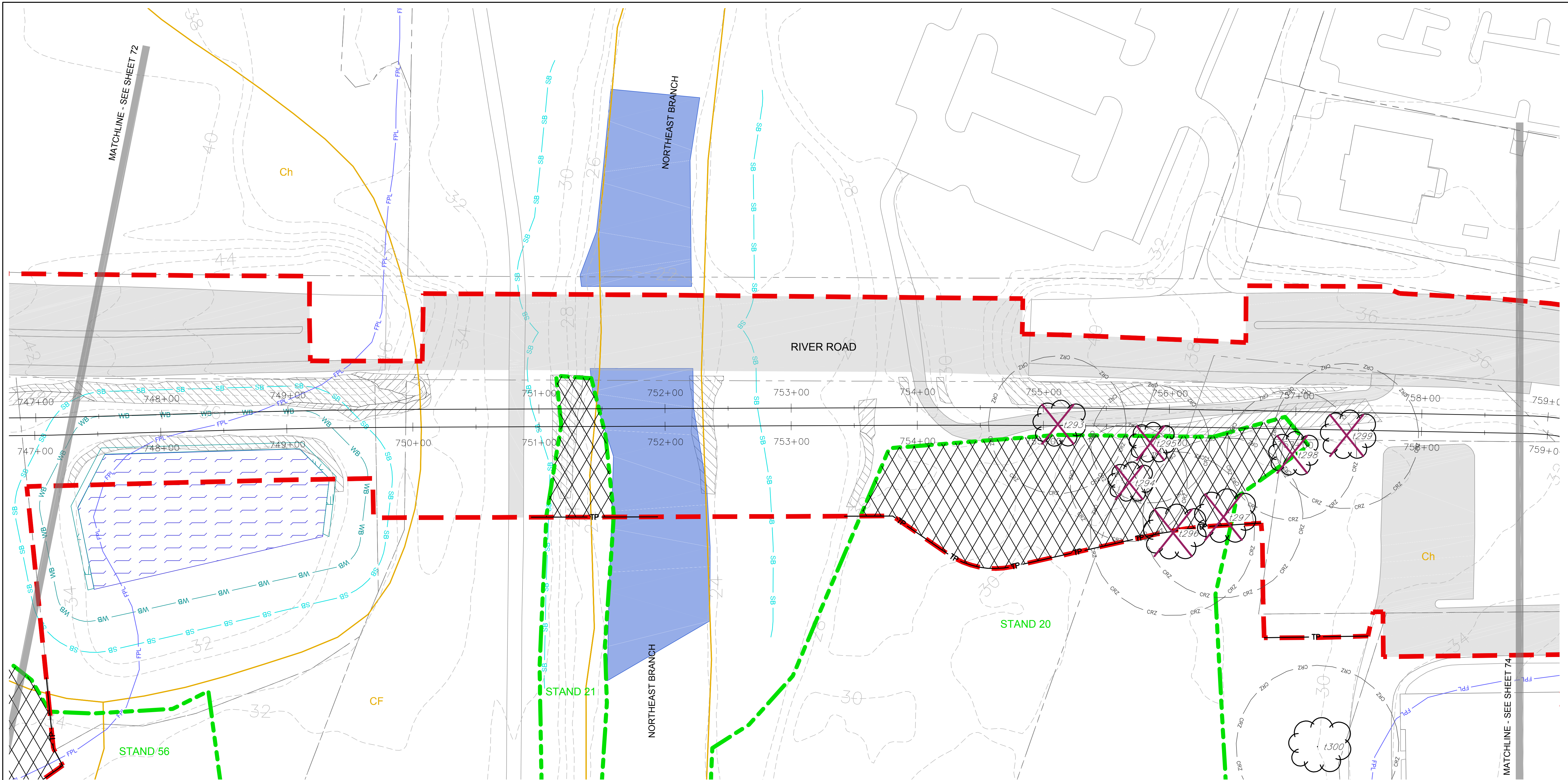
APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 MJK

**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

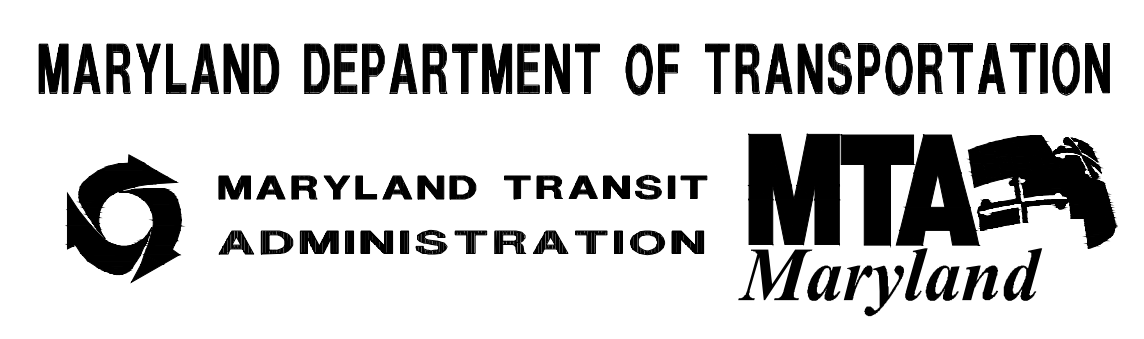
L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_63-84.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- 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
- 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



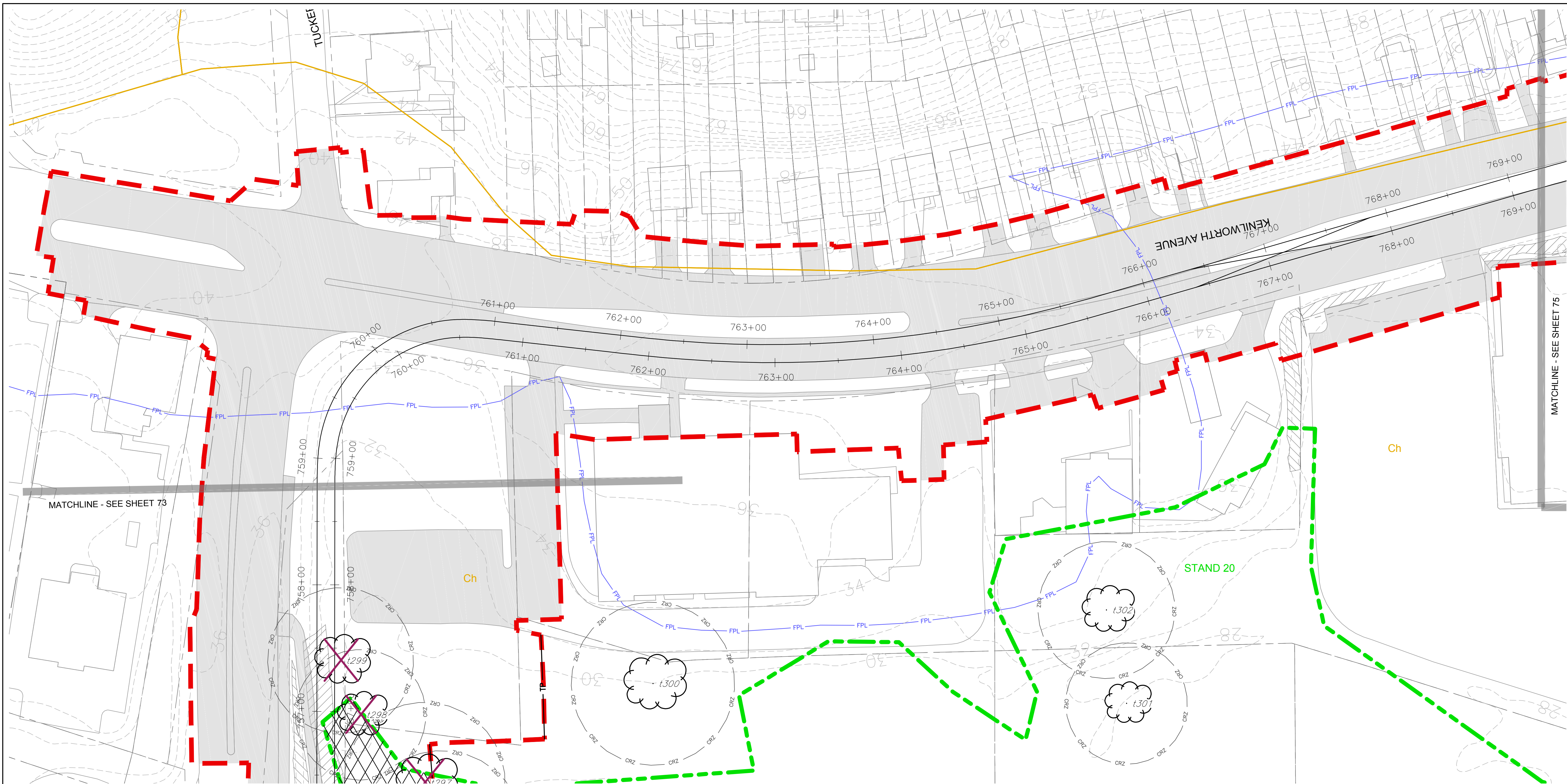
FOREST CONSERVATION PLAN
 PREPARED BY:
Michael J. Klebasko
 July 20, 2016
 MICHAEL J. KLEBASKO, P.W.S.
 (QUALIFIED PROFESSIONAL PER
 COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 MJK

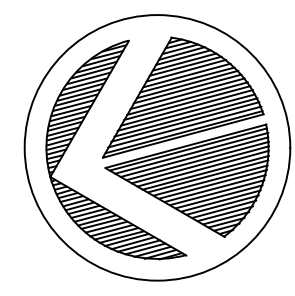
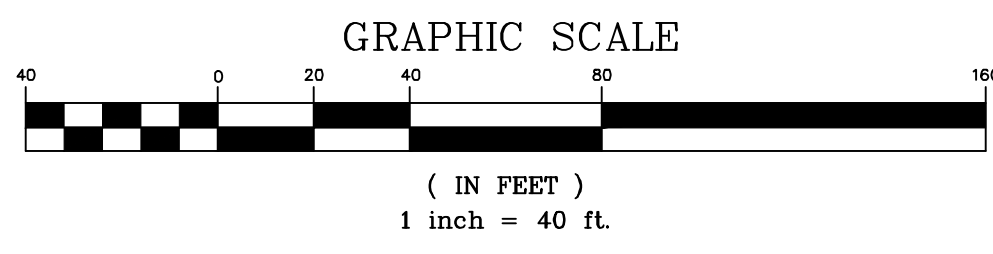
FOREST CONSERVATION PLAN
 PURPLE LINE LIGHT RAIL
 FOREST CONSERVATION PLAN
 DATE: JULY 20, 2016 SCALE: 1" = 40'

CONTRACT NO. ---
 DRAWING NO. FCP-73
 SHEET NO. 73 OF 100



MATCHLINE - SEE SHEET 73

MATCHLINE - SEE SHEET 75



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXX 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.
 - 1174 SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - 1175 SPECIMEN TREE FROM FSD TO BE REMOVED
 - 2B 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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION



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

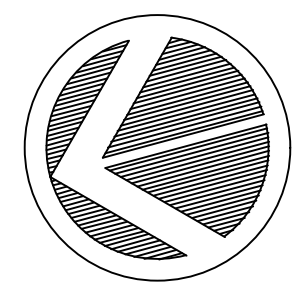
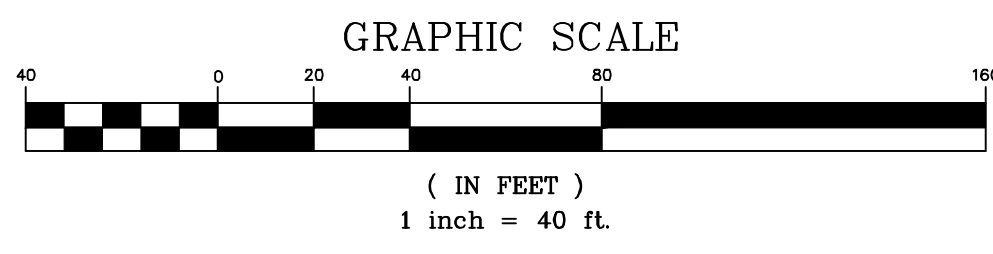
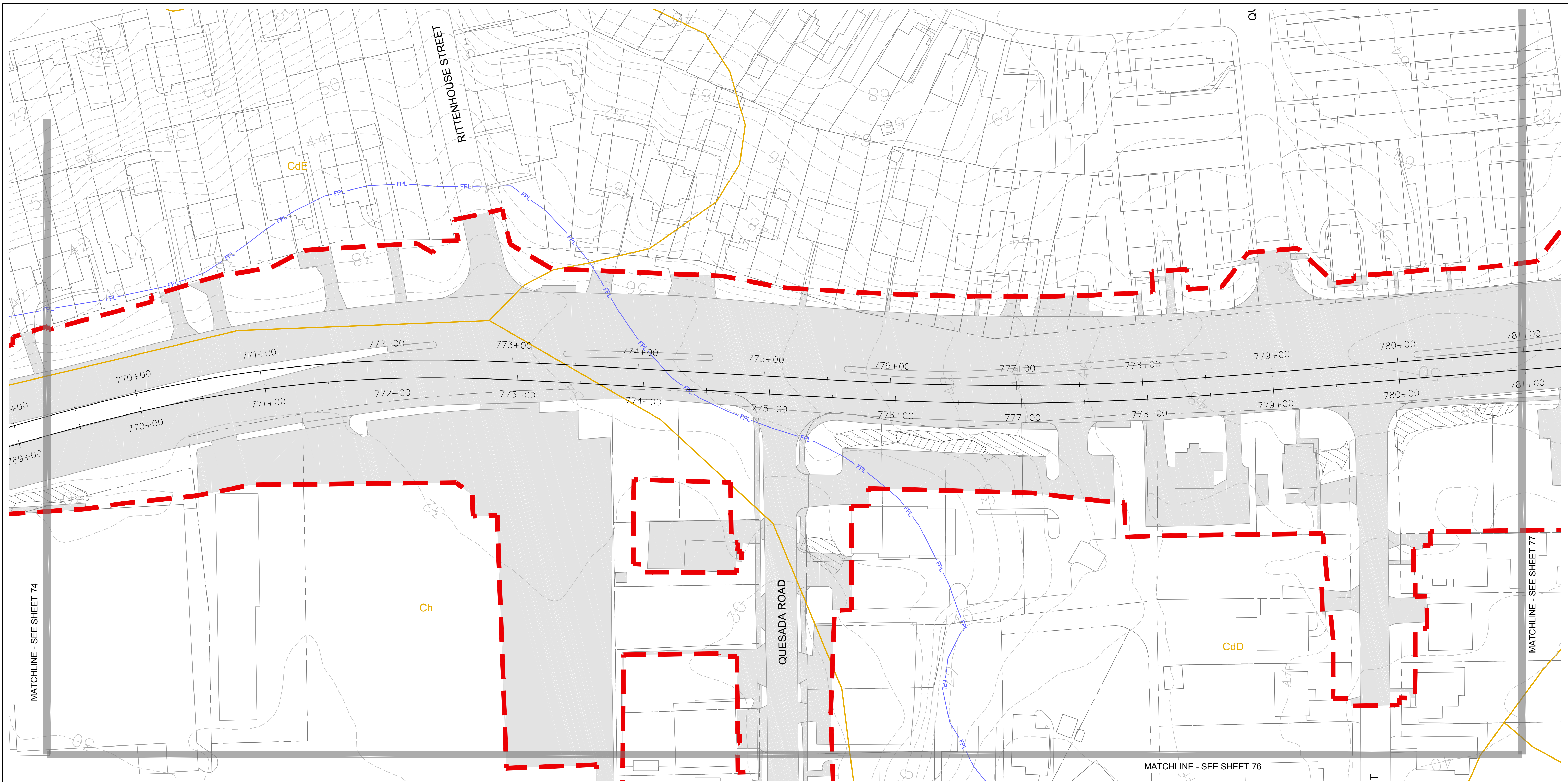
REVISIONS

APPR	CJH
CHECK	CJH
DRAWN	MJK
DESIGN	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_FCP\SHEETS_63-84.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5** FOREST STAND BOUNDARY AND LABEL FROM FSD
 - PROPOSED LOD/PROJECT BOUNDARY
 - PROPOSED TREE PROTECTION**
 - FOREST IMPACT AREAS
 - SOILS BOUNDARY AND LABEL
 - IMPERVIOUS AREAS (DEDUCTIONS)
 - SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - SPECIMEN TREE FROM FSD TO BE REMOVED
 - 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

**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.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION



FOREST CONSERVATION PLAN
 PREPARED BY:

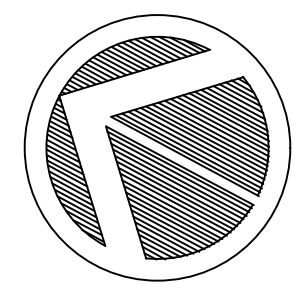
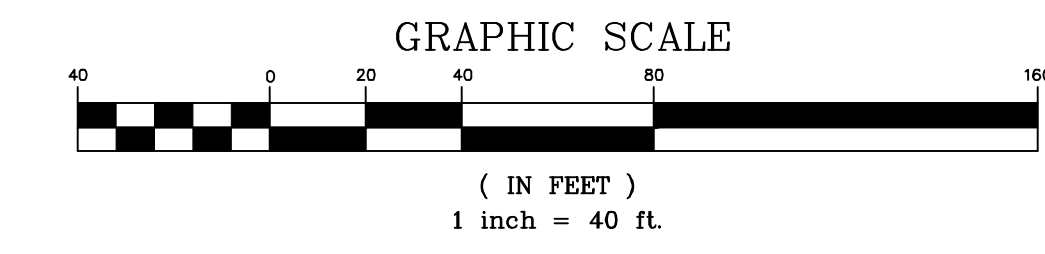
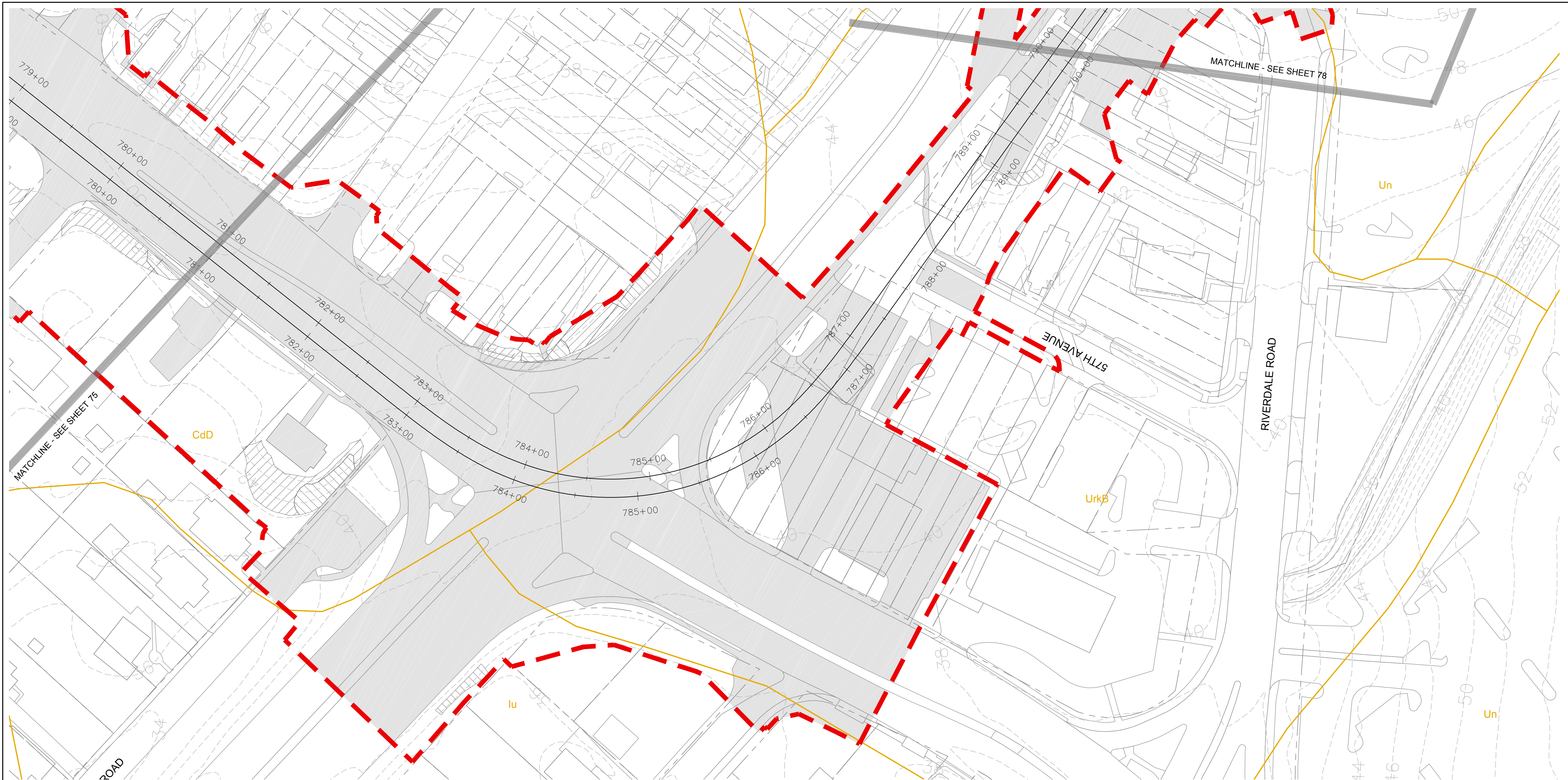
 July 20, 2016
 MICHAEL J. KLEBASKO, P.W.S.
 (QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE	APPR	CHECK	DRAWN	DESIGN
							CJH
							CJH
							MJK
							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_FCP\SHEETS_63-84.dwg
 PRINTED ON: 20 July 2016



- 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.**
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



FOREST CONSERVATION PLAN
 PREPARED BY:

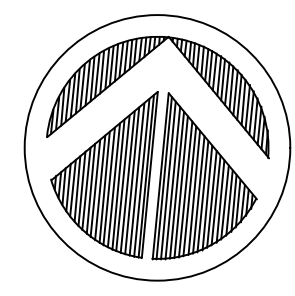
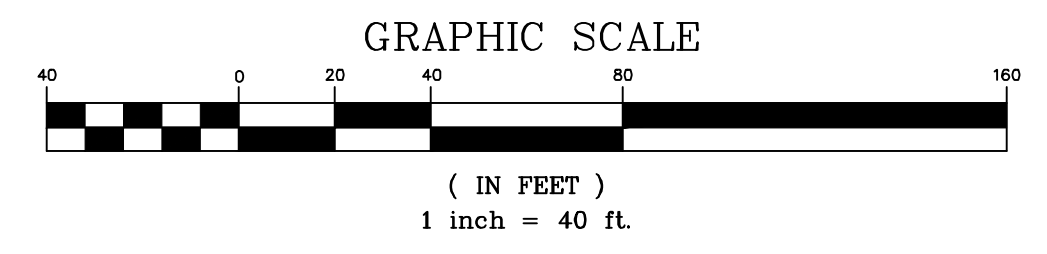
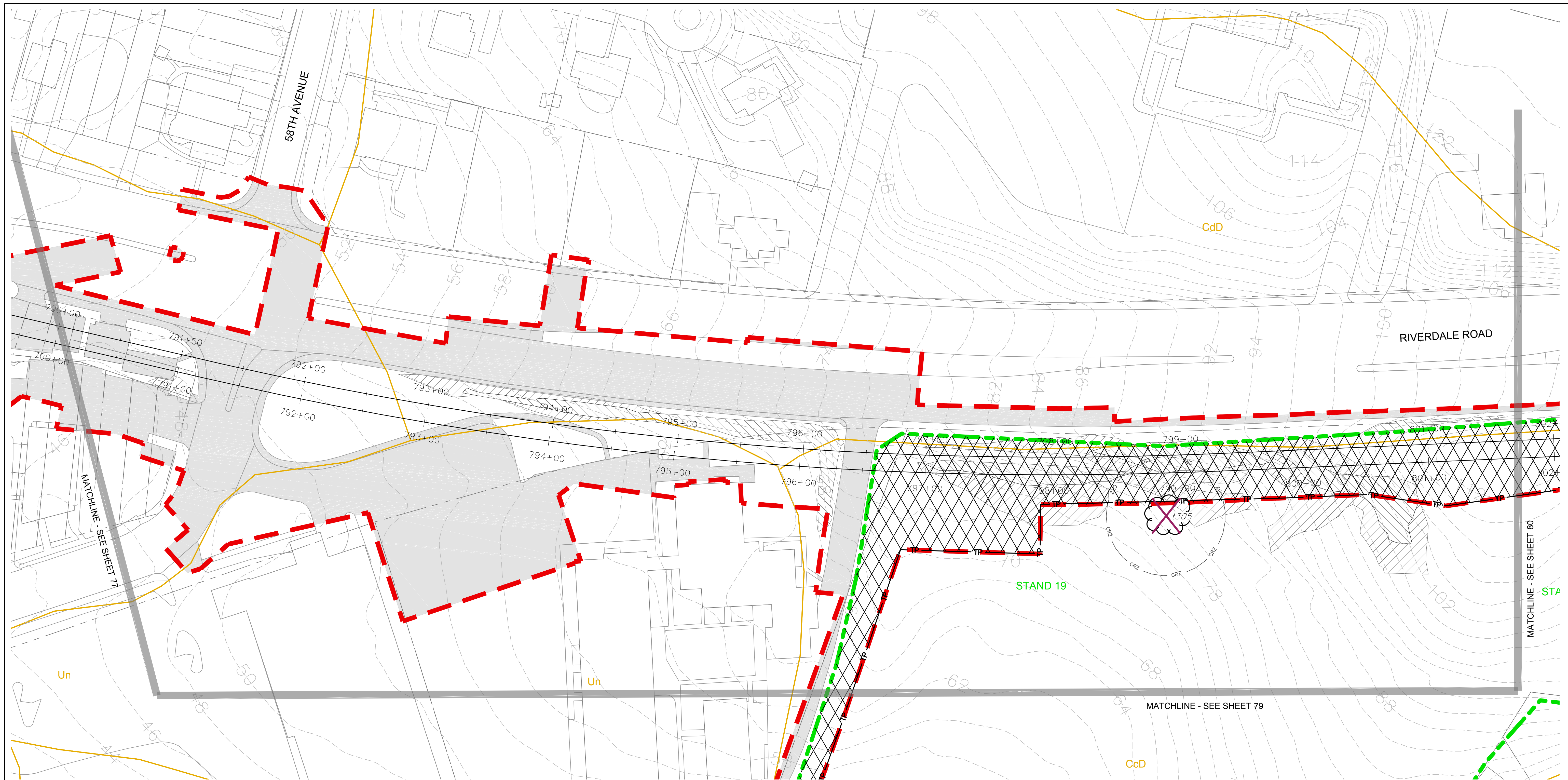
 July 20, 2016
 MICHAEL J. KLEBASKO, P.W.S.
 (QUALIFIED PROFESSIONAL PER
 COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 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



- 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
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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			

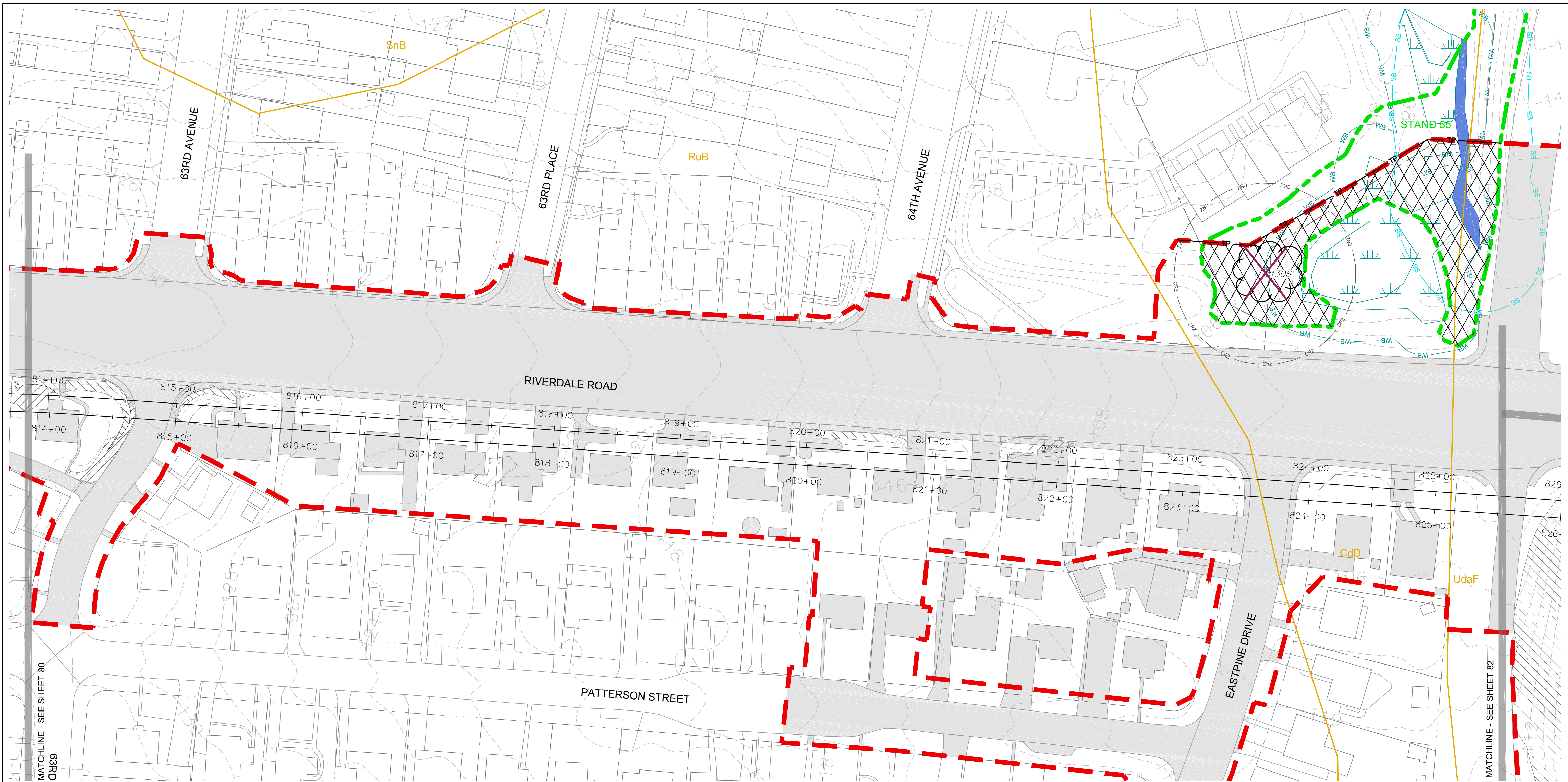
APPR CHECK DRAWN DESIGN
CJH
CJH
MJK
MJK

**FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN**

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

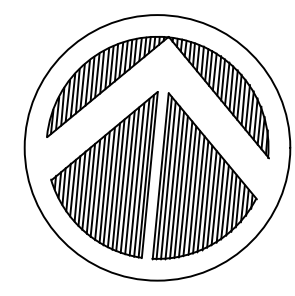
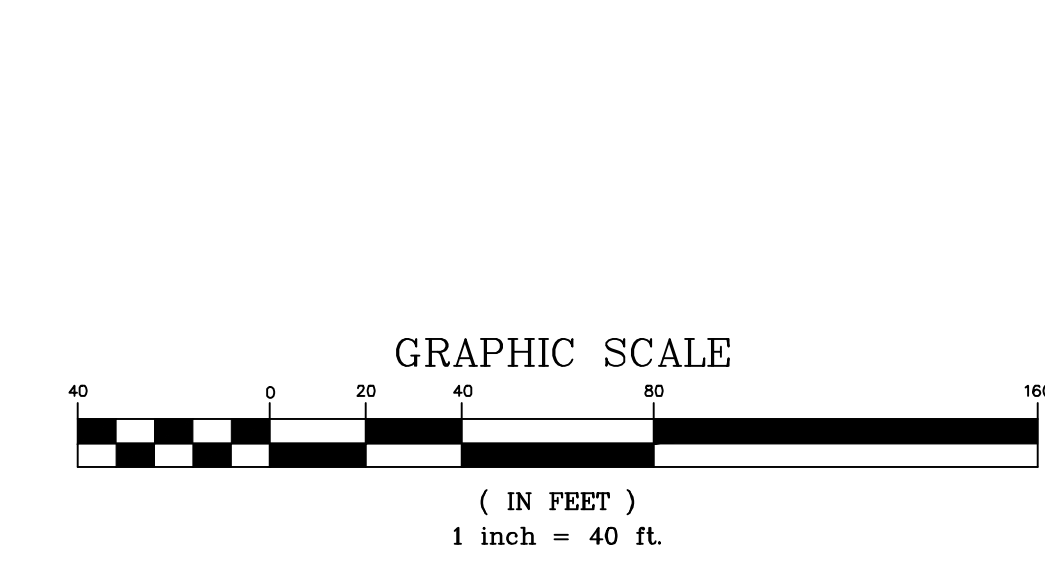
CONTRACT NO. ---
DRAWING NO. FCP-78
SHEET NO. 78 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_63-84.dwg
PRINTED ON: 20 July 2016



MATCHLINE - SEE SHEET 80
63RD

MATCHLINE - SEE SHEET 82



- LEGEND**
- STAND 55 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXX 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 SOILS BOUNDARY AND LABEL
 - CcE 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
 - 100-YEAR FLOODPLAIN

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

Wetland
Studies and Solutions, Inc.
DNEY 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)

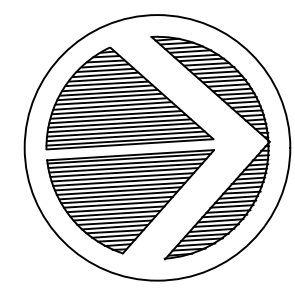
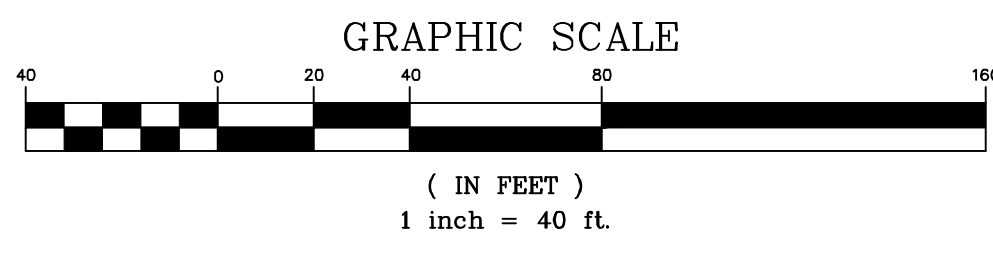
NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR CHECK DRAWN DESIGN
CJH
CJH
MJK
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\MD1286.01_FCP\SHEETS_63-84.dwg
PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5** FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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.
 - 283, 1174, 1175 SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - 1175 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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
MTA Maryland



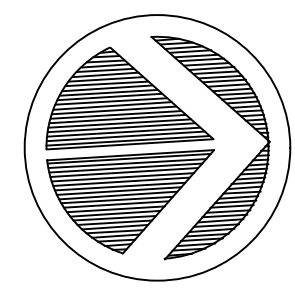
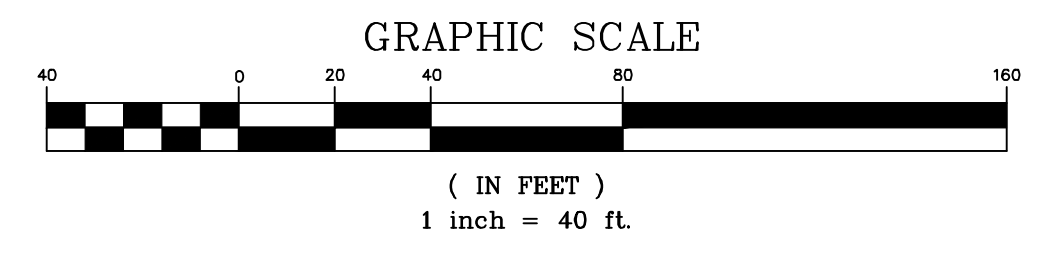
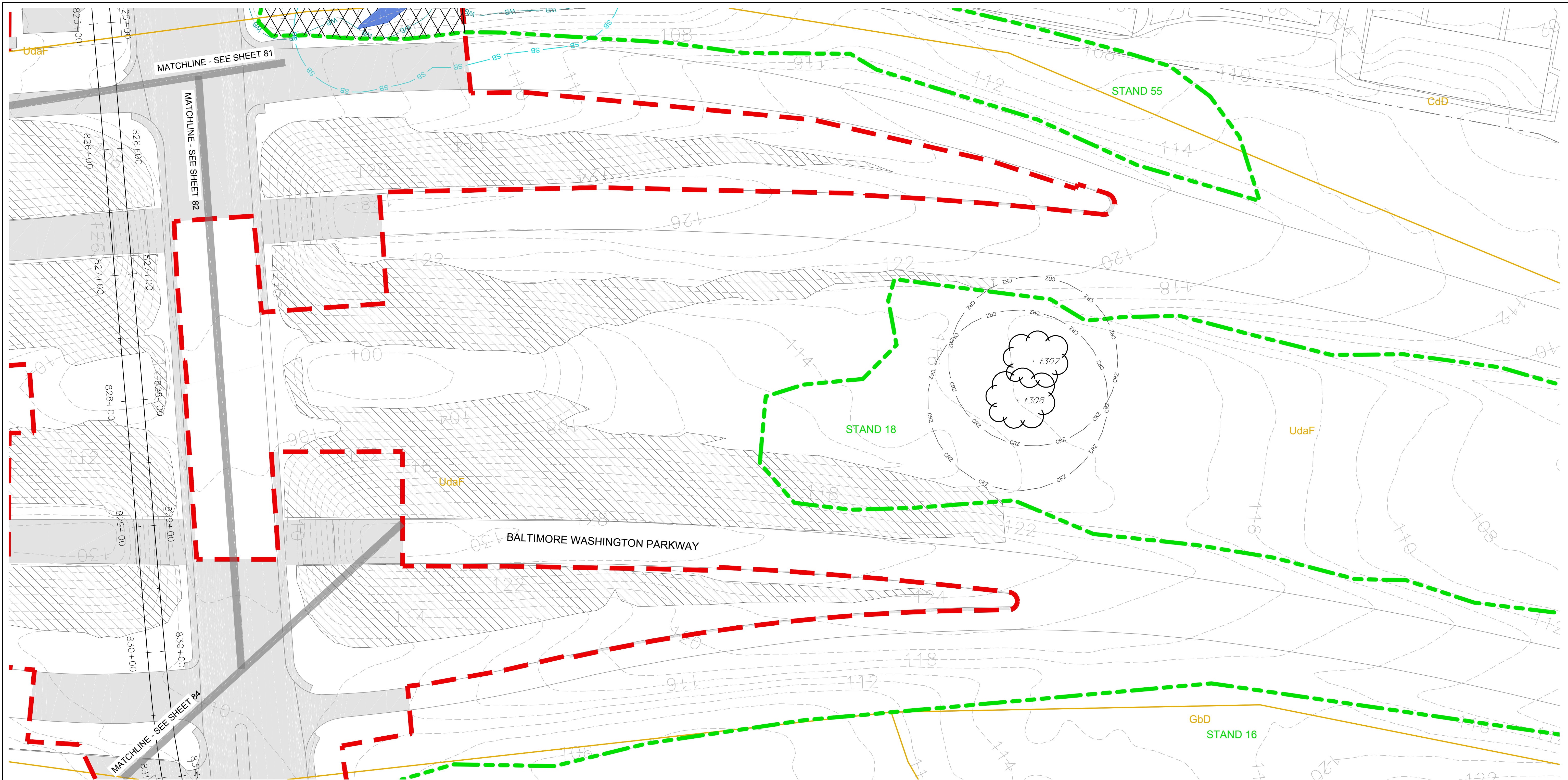
FOREST CONSERVATION PLAN
 PREPARED BY:
Michael J. Klebasko
 July 20, 2016
 MICHAEL J. KLEBASKO, P.W.S.
 (QUALIFIED PROFESSIONAL PER
 COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 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



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXX 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.
 - t.307 SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - X t.175 SPECIMEN TREE FROM FSD TO BE REMOVED
 - 2B SOILS BOUNDARY AND LABEL
 - CcE 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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			

APPR. CHECK DRAWN DESIGN

CJH
CJH
MJK
MJK

FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016

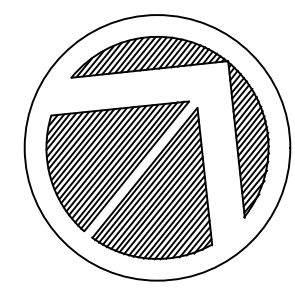
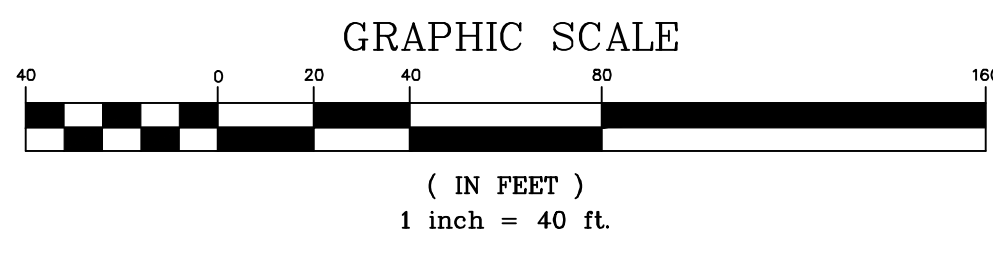
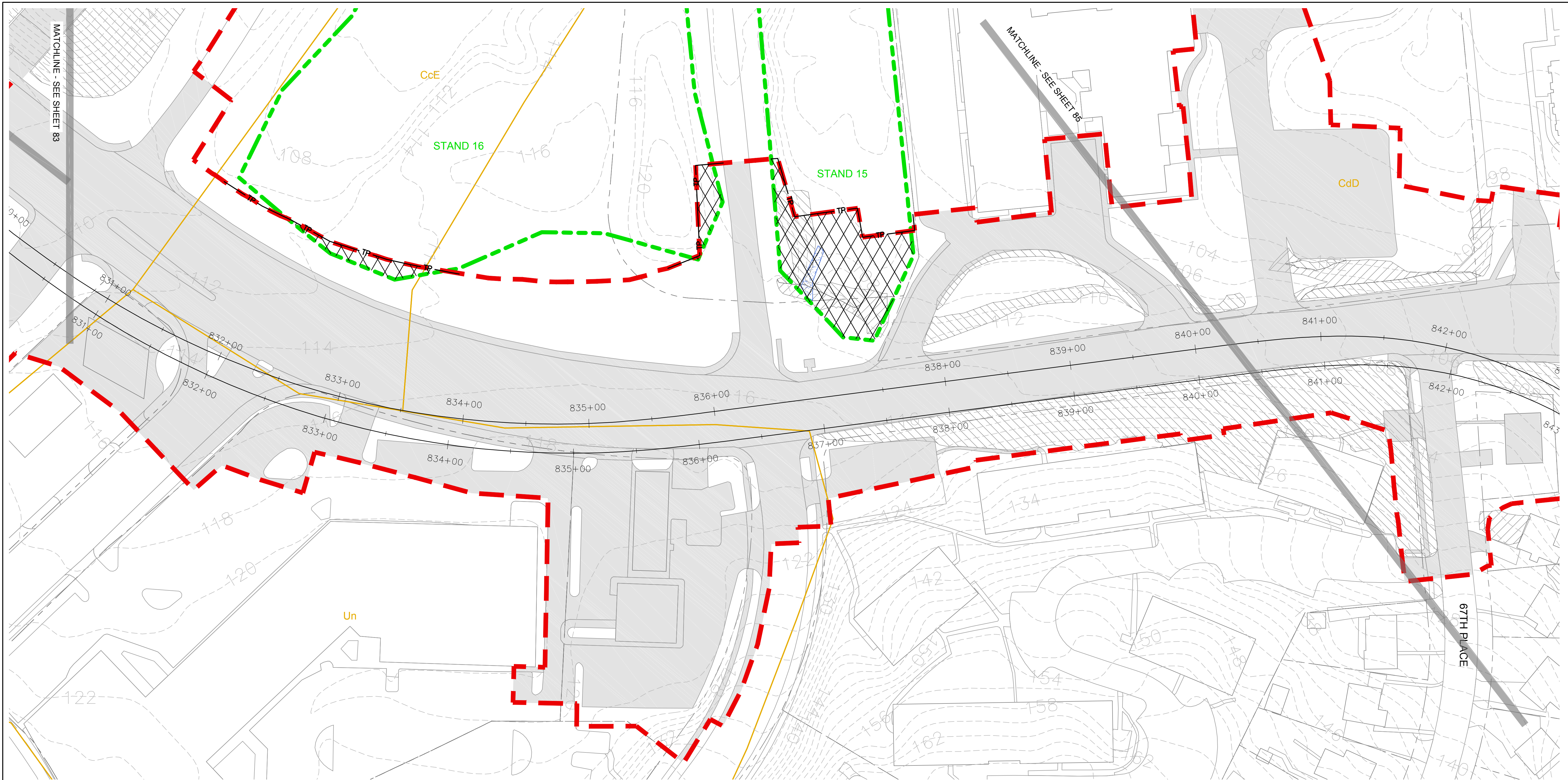
SCALE: 1" = 40'

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_FCP\SHEETS_63-84.dwg
PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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			

CJH
CJH
MJK
MJK

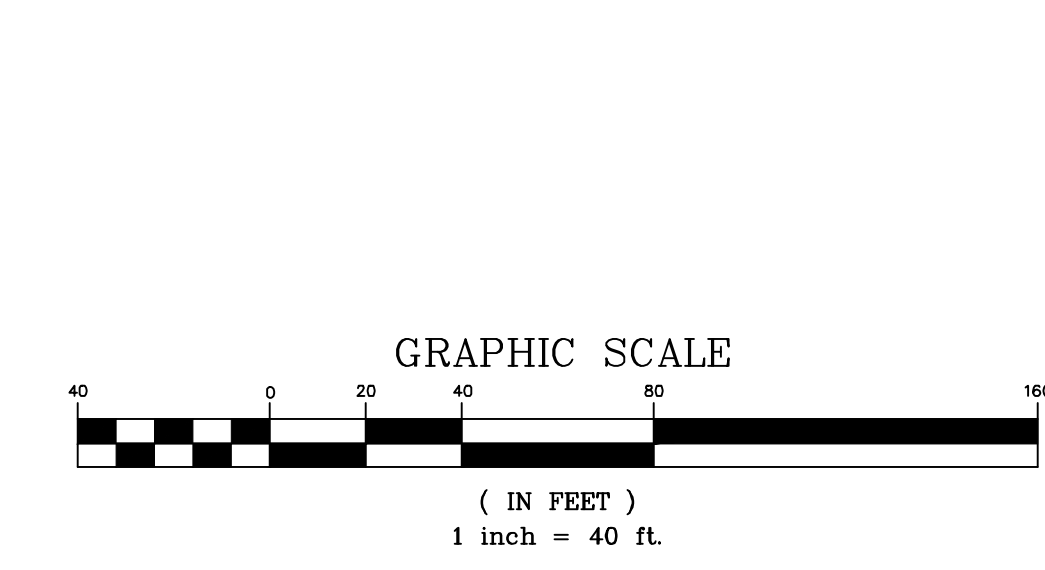
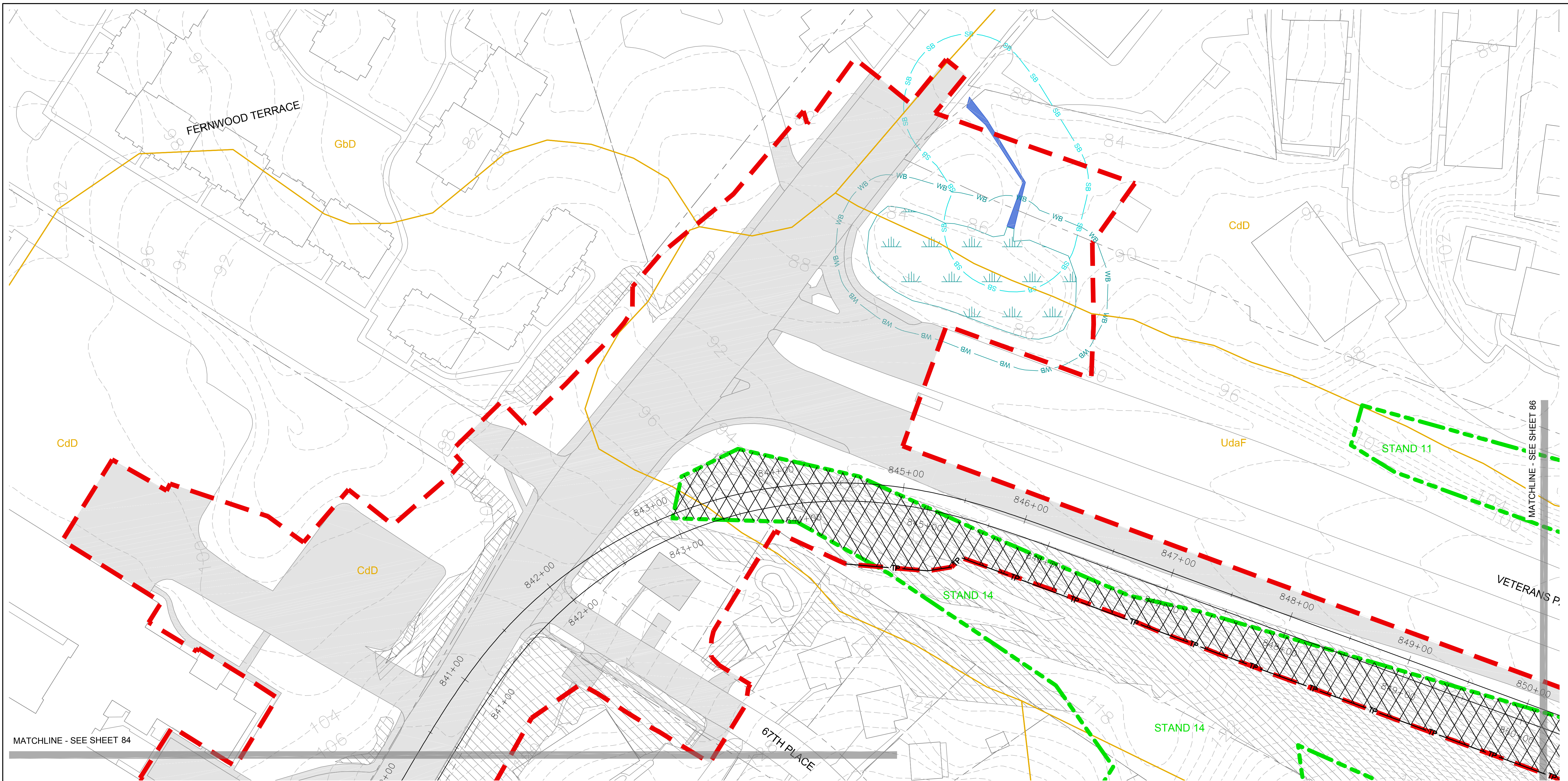
APPR CHECK DRAWN DESIGN

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_FCP\SHEETS_63-84.dwg
PRINTED ON: 20 July 2016



- LEGEND**
- [STAND 5] FOREST STAND BOUNDARY AND LABEL FROM FSD
 - [X X X X] 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.
 - [CIRCLE] SPECIMEN TREE FROM FSD WITH CRITICAL ROOT ZONE (CRZ)
 - [CIRCLE] SPECIMEN TREE FROM FSD TO BE REMOVED
 - [2B] SOILS BOUNDARY AND LABEL
 - [CcE] IMPERVIOUS AREAS (DEDUCTIONS)
 - [SHADING] 25% SLOPES
 - [SHADING] 15% SLOPES ON ERODIBLE SOILS
 - [SHADING] 100-YEAR FLOODPLAIN
 - [SHADING] INTERMITTENT/PERENNIAL STREAMS
 - [SHADING] EPHEMERAL CHANNEL
 - [SHADING] WETLANDS
 - [SHADING] OPEN WATER
 - [SB] 50-FT STREAM BUFFER
 - [WB] 25-FT WETLAND BUFFER

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION

FOREST CONSERVATION PLAN
 PREPARED BY:

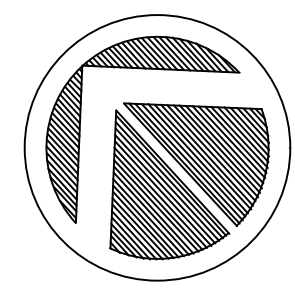
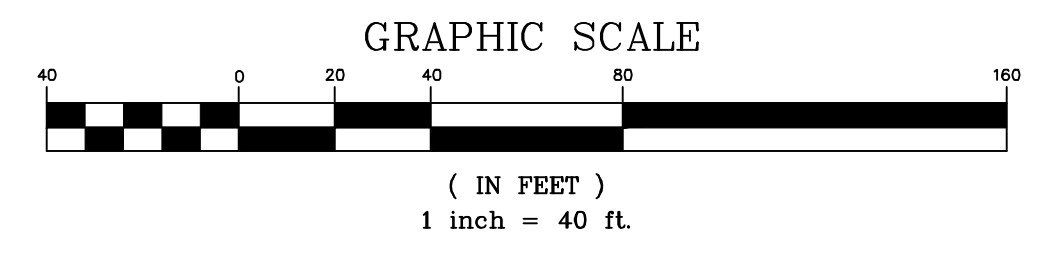
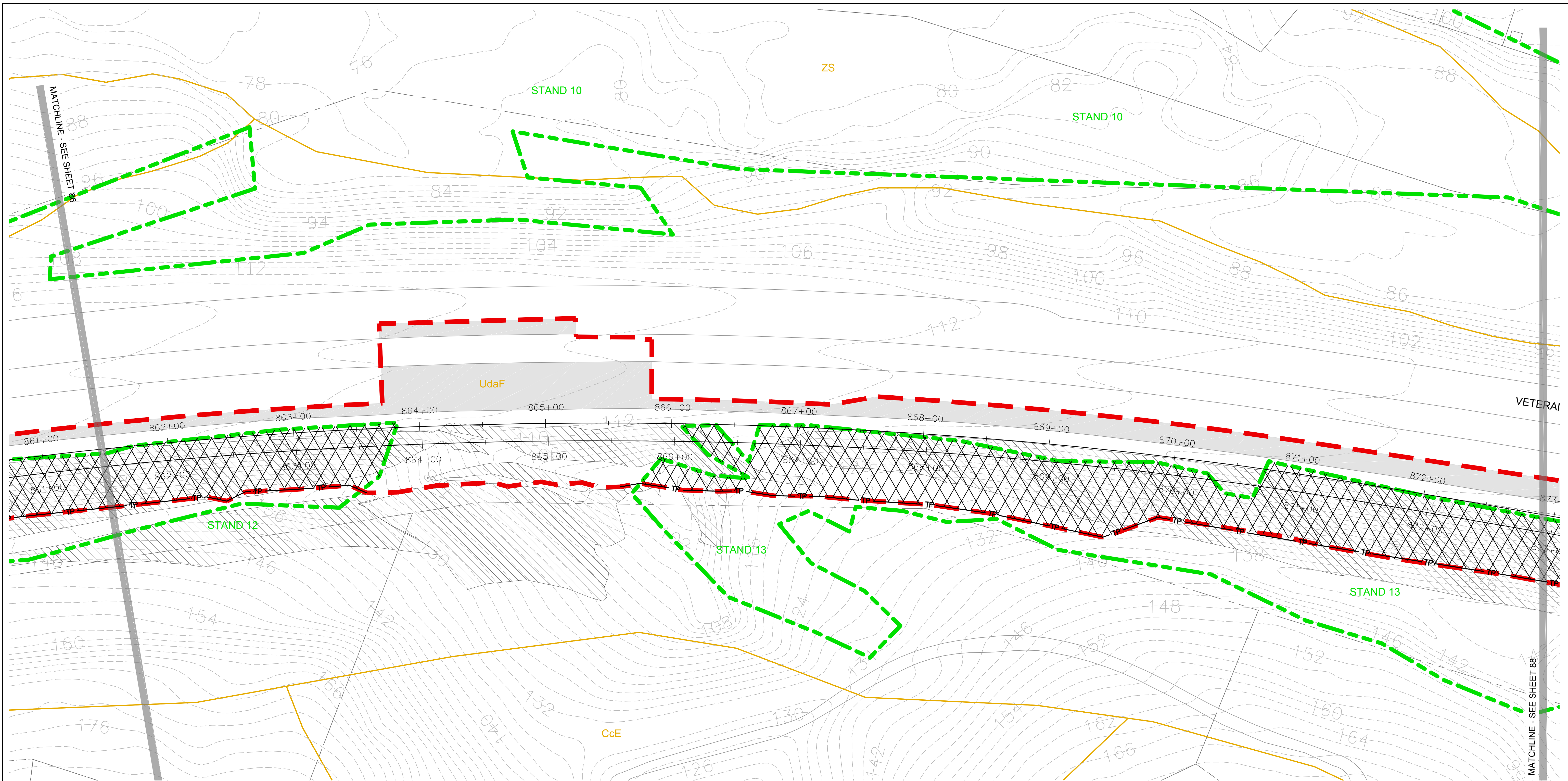
 July 20, 2016
 MICHAEL J. KLEBASKO, P.W.S.
 (QUALIFIED PROFESSIONAL PER COMAR 08.19.06.01)

NO.	DESCRIPTION	BY	DATE
REVISIONS			
		CJH	
		CJH	
		MJK	
		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

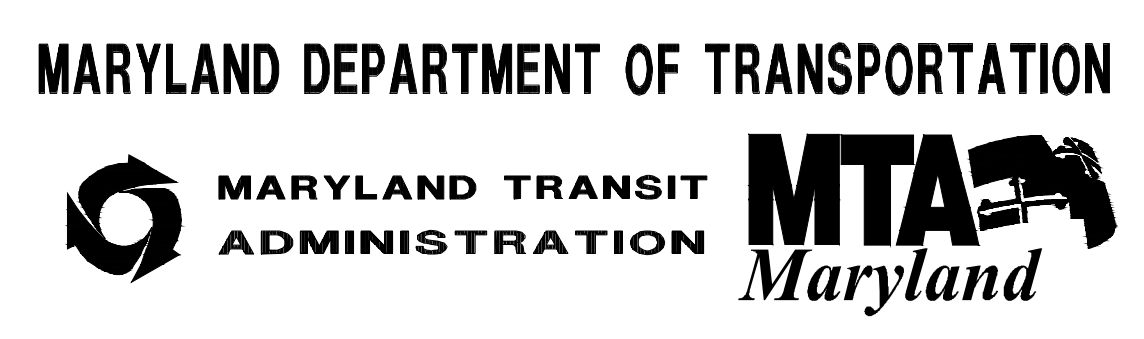
L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_81-100.dwg
 PRINTED ON: 20 July 2016



- 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** SOILS BOUNDARY AND LABEL
- IMPERVIOUS AREAS (DEDUCTIONS)

- INTERMITTENT/PERENNIAL STREAMS
- EPHEMERAL CHANNEL
- WETLANDS
- OPEN WATER
- 50-FT STREAM BUFFER
- 25-FT WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- 25% SLOPES
- 15% SLOPES ON ERODIBLE SOILS



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

NO.	DESCRIPTION	BY	DATE
REVISIONS			

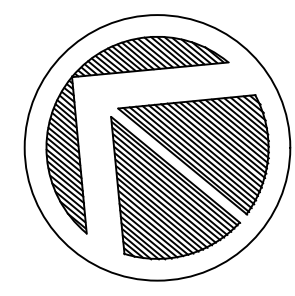
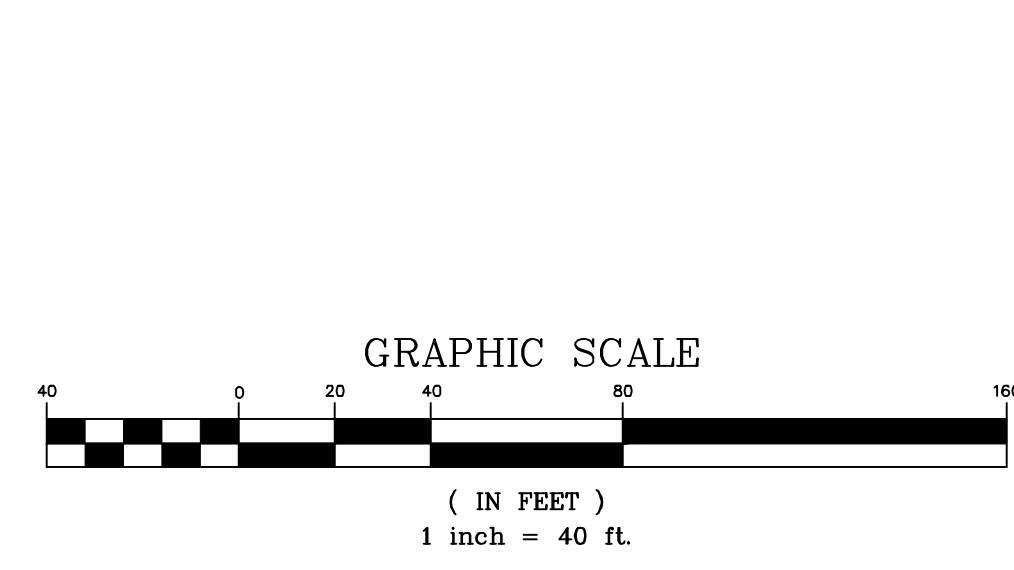
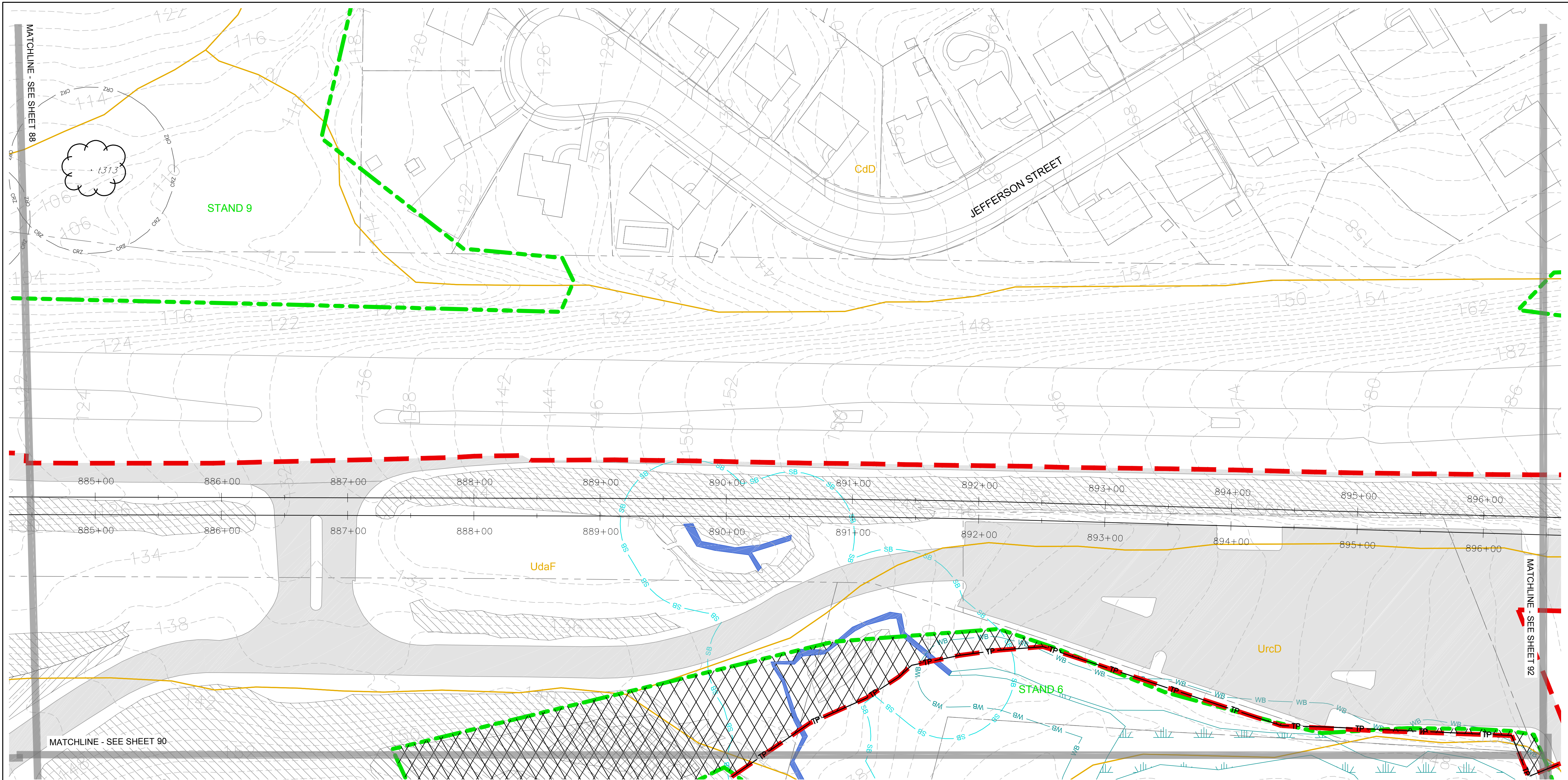
APPR CHECK DRAWN DESIGN
CJH
CJH
MJK
MJK

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_FCP\SHEETS_81-100.dwg
PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

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			

CJH
CJH
MJK
MJK

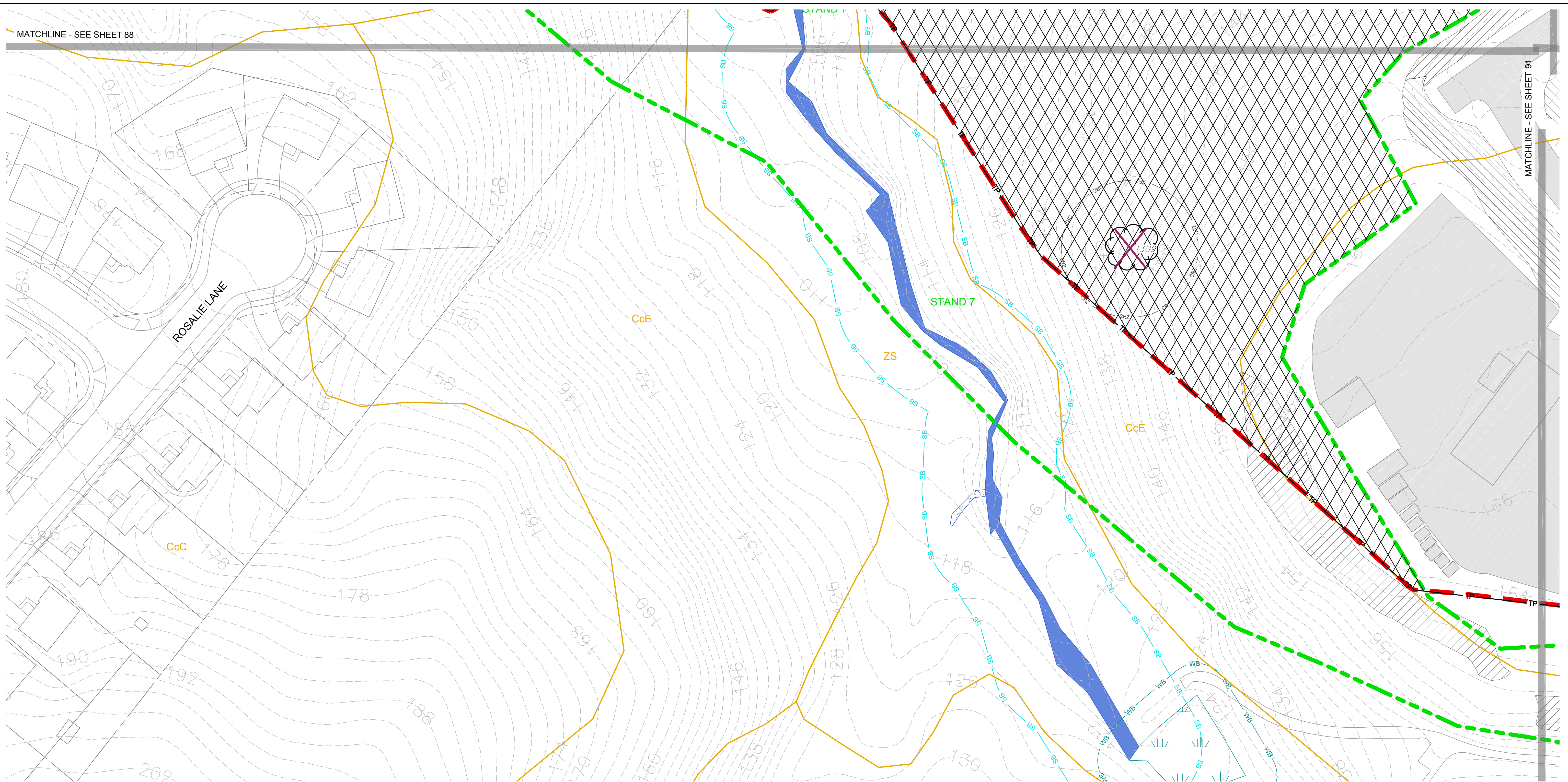
FOREST CONSERVATION PLAN
PURPLE LINE LIGHT RAIL
FOREST CONSERVATION PLAN

DATE: JULY 20, 2016

SCALE: 1" = 40'

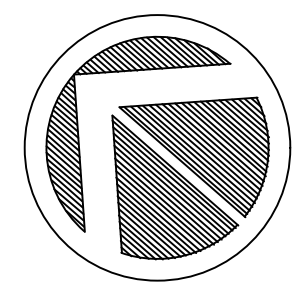
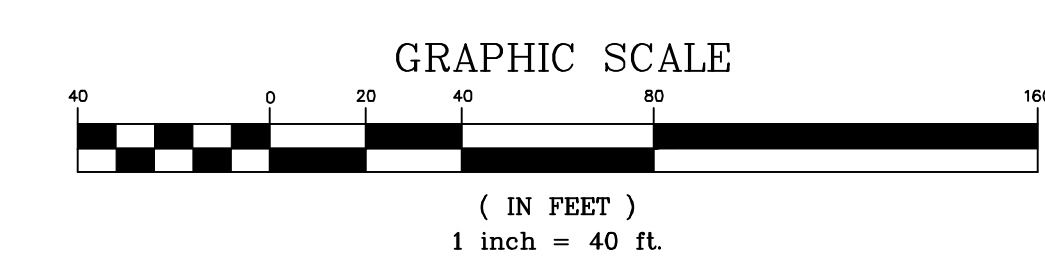
CONTRACT NO. ---
DRAWING NO. FCP-89
SHEET NO. 89 OF 100

L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_81-100.dwg
PRINTED ON: 20 July 2016



MATCHLINE - SEE SHEET 88

MATCHLINE - SEE SHEET 91



- 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** 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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)

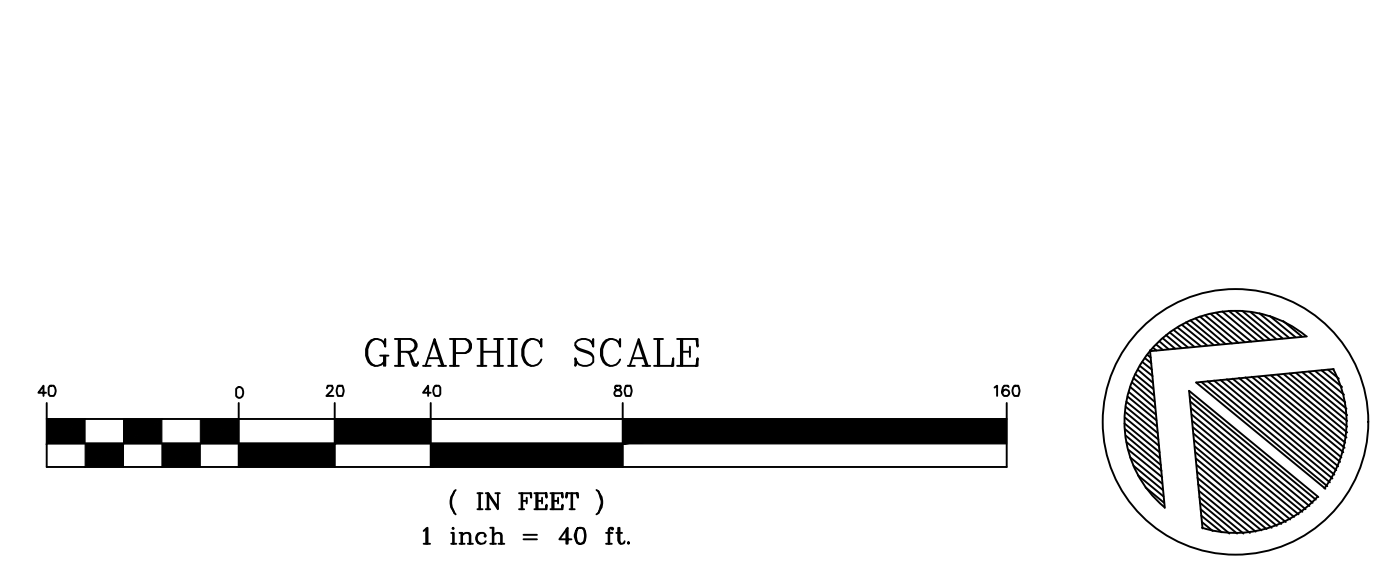
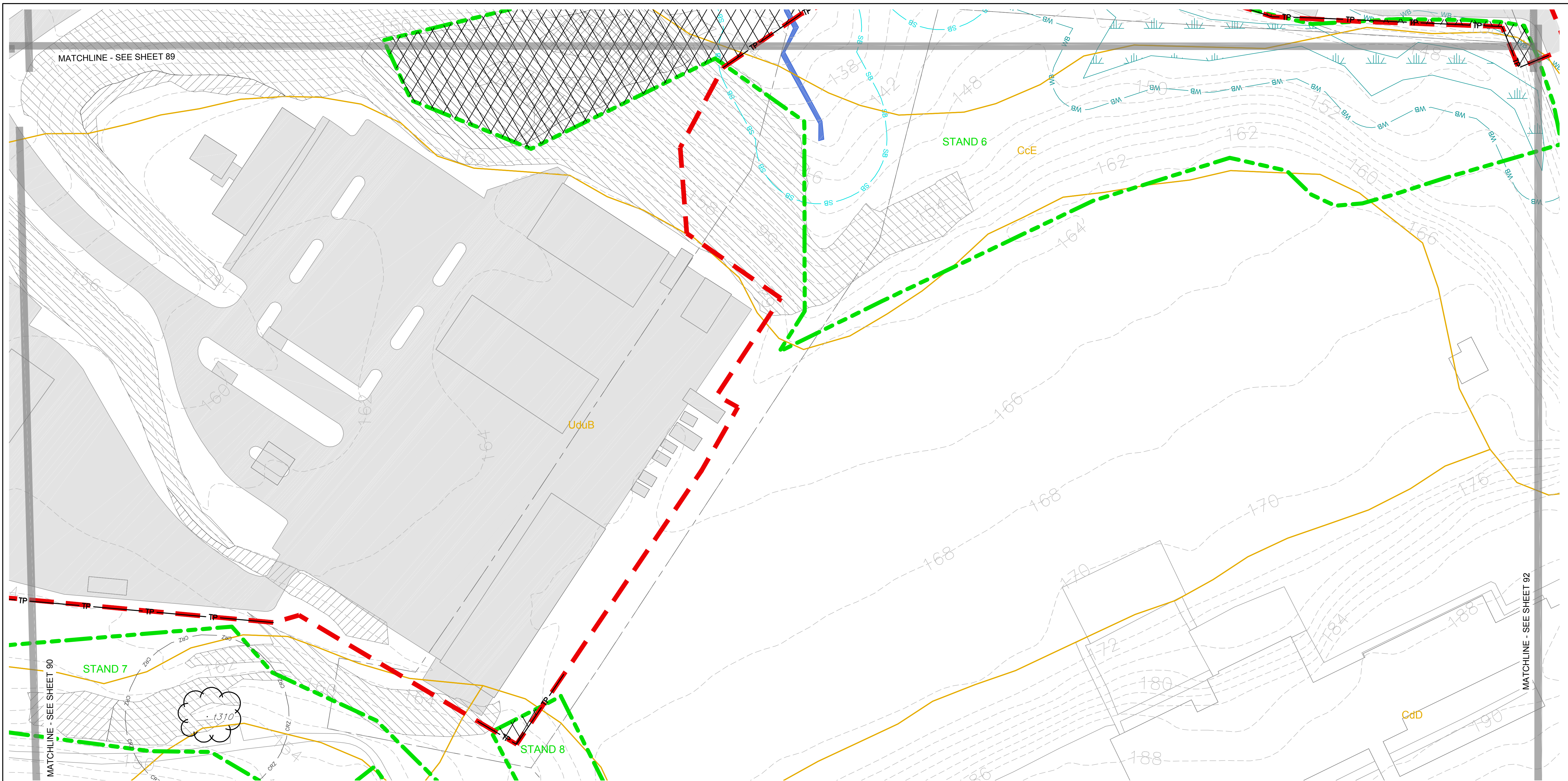
NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR CHECK DRAWN DESIGN
CJH
CJH
MJK
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_FCP\SHEETS_81-100.dwg
PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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 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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION

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

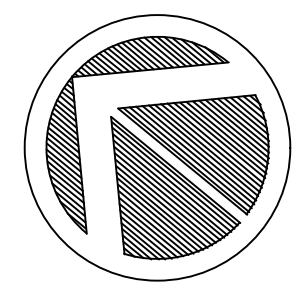
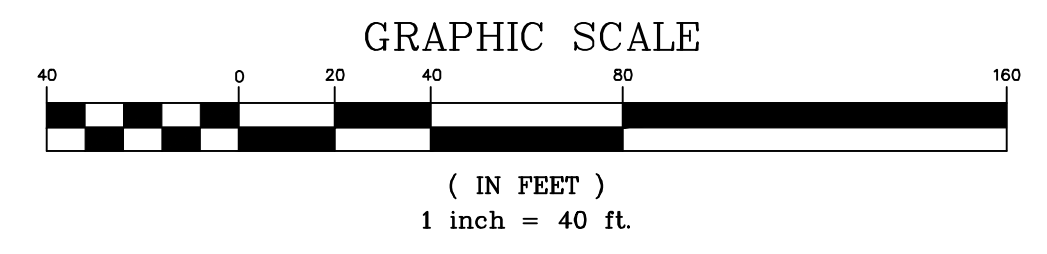
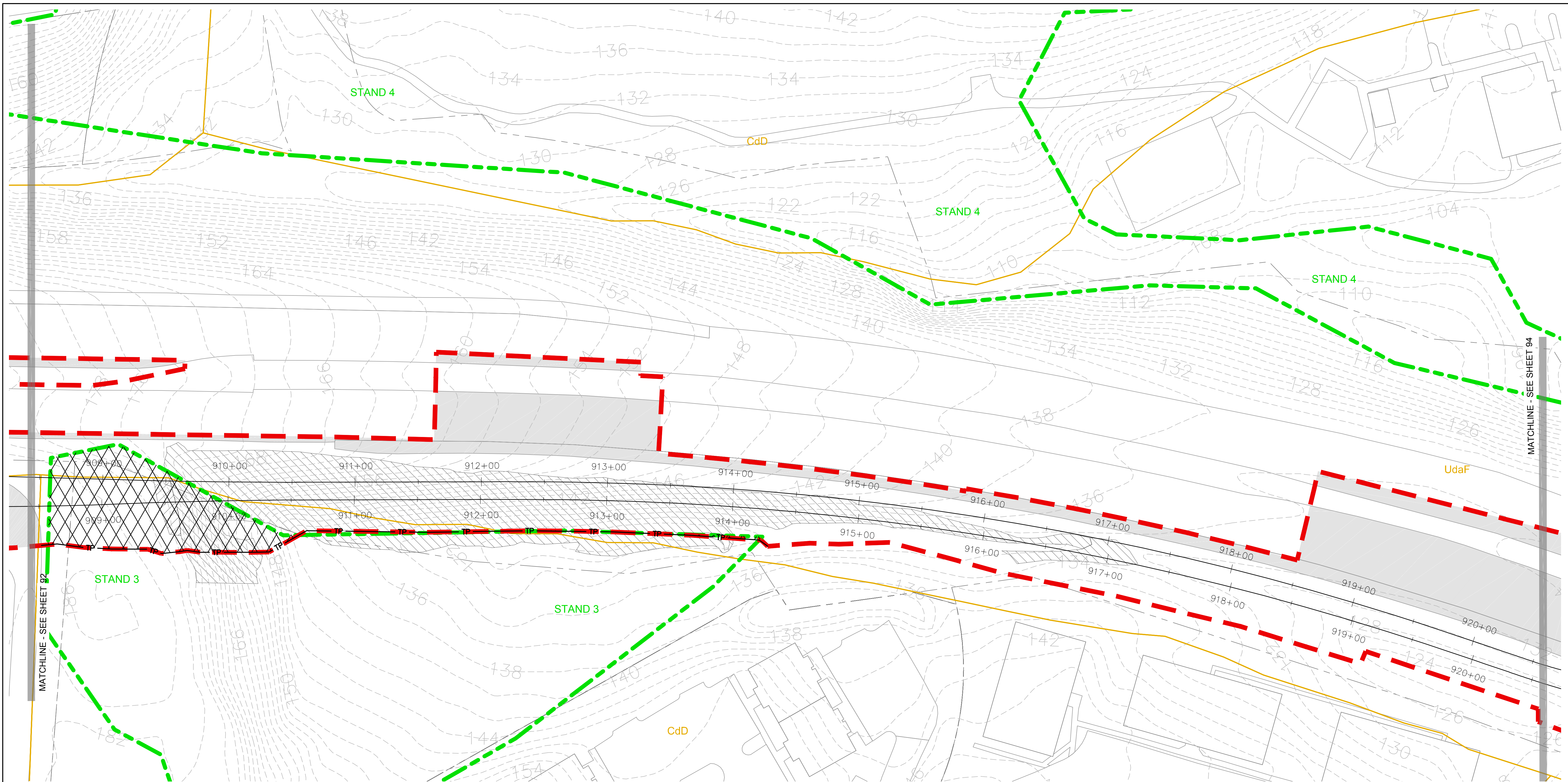
APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 MJK

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

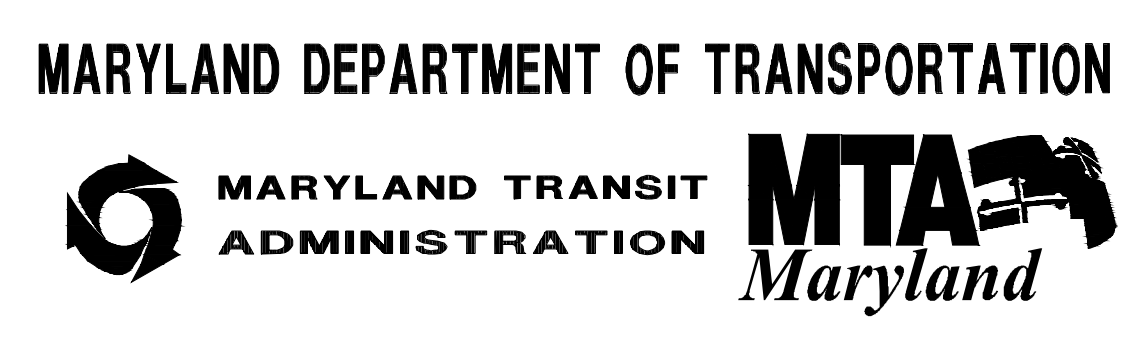
L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_81-100.dwg
 PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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 SOILS BOUNDARY AND LABEL
- CcE 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



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)

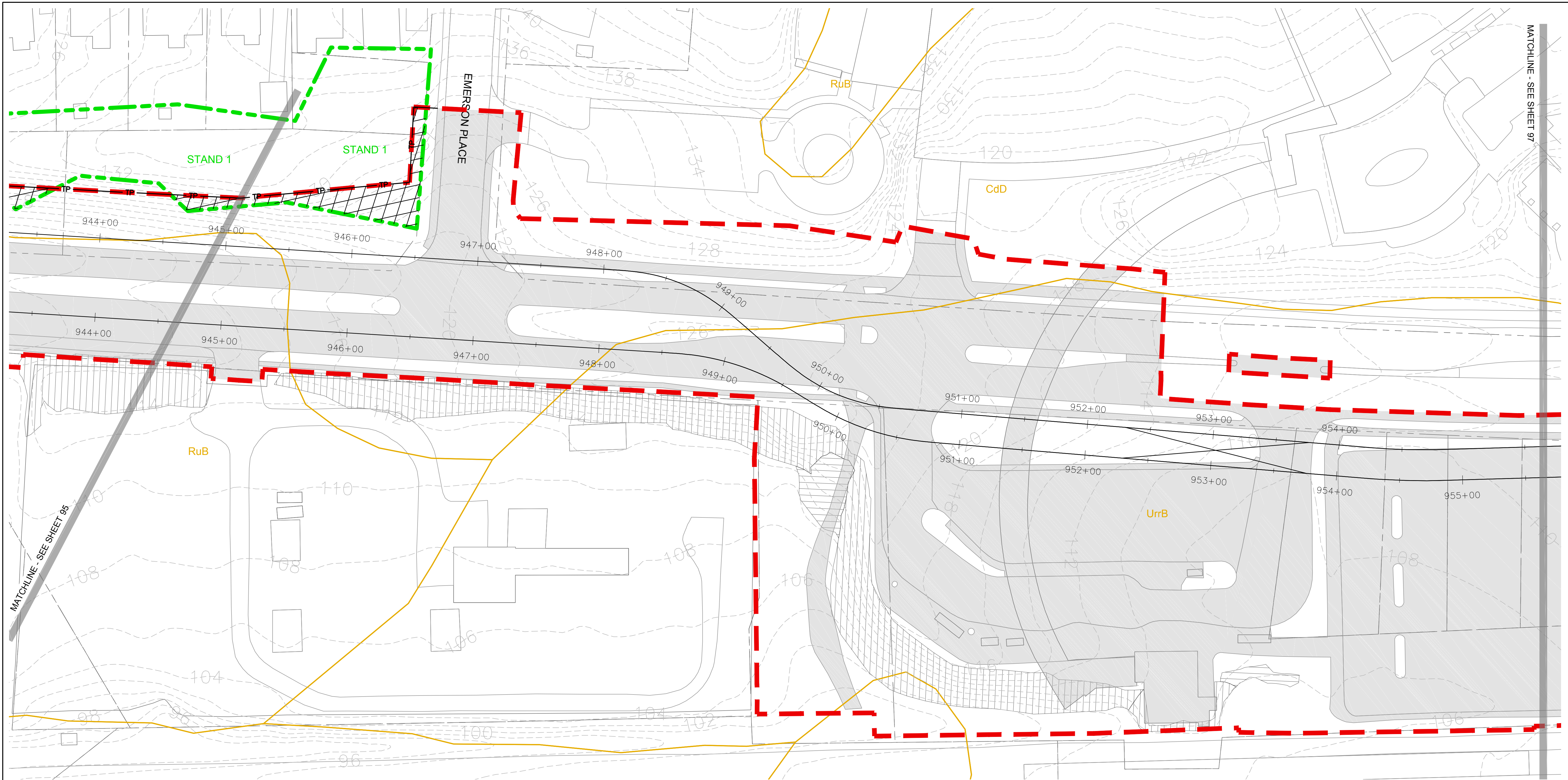
NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR CHECK DRAWN DESIGN
 CJH
 CJH
 MJK
 MJK

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

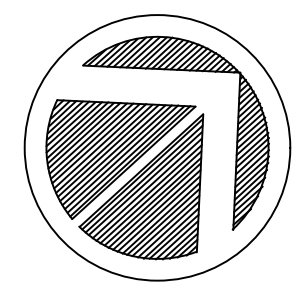
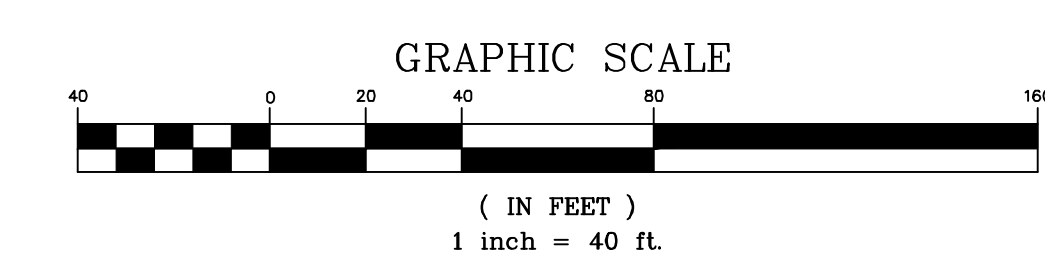
CONTRACT NO. ---
 DRAWING NO. FCP-93
 SHEET NO. 93 OF 100

L:_Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_81-100.dwg
 PRINTED ON: 20 July 2016



MATCHLINE - SEE SHEET 95

MATCHLINE - SEE SHEET 97



- LEGEND**
- [---] **STAND 1** FOREST STAND BOUNDARY AND LABEL FROM FSD
 - [---] PROPOSED LOD/PROJECT BOUNDARY
 - [---] PROPOSED TREE PROTECTION**
 - [X X X X] FOREST IMPACT AREAS
 - [---] **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** 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
 - 100-YEAR FLOODPLAIN

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION

Wetland
Studies and Solutions, Inc.
DNEY 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)

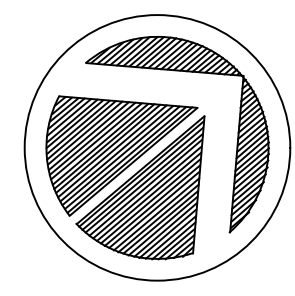
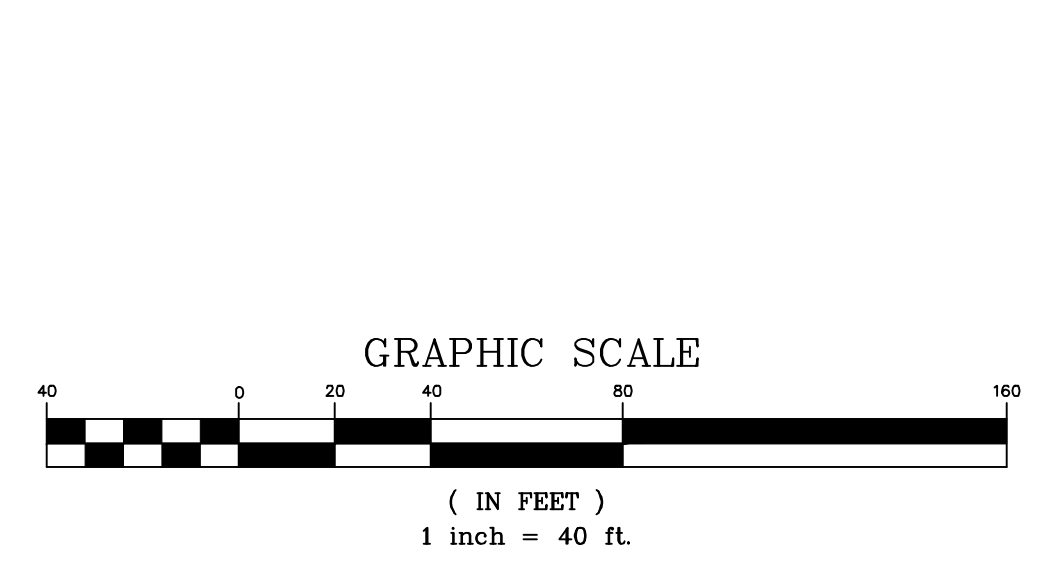
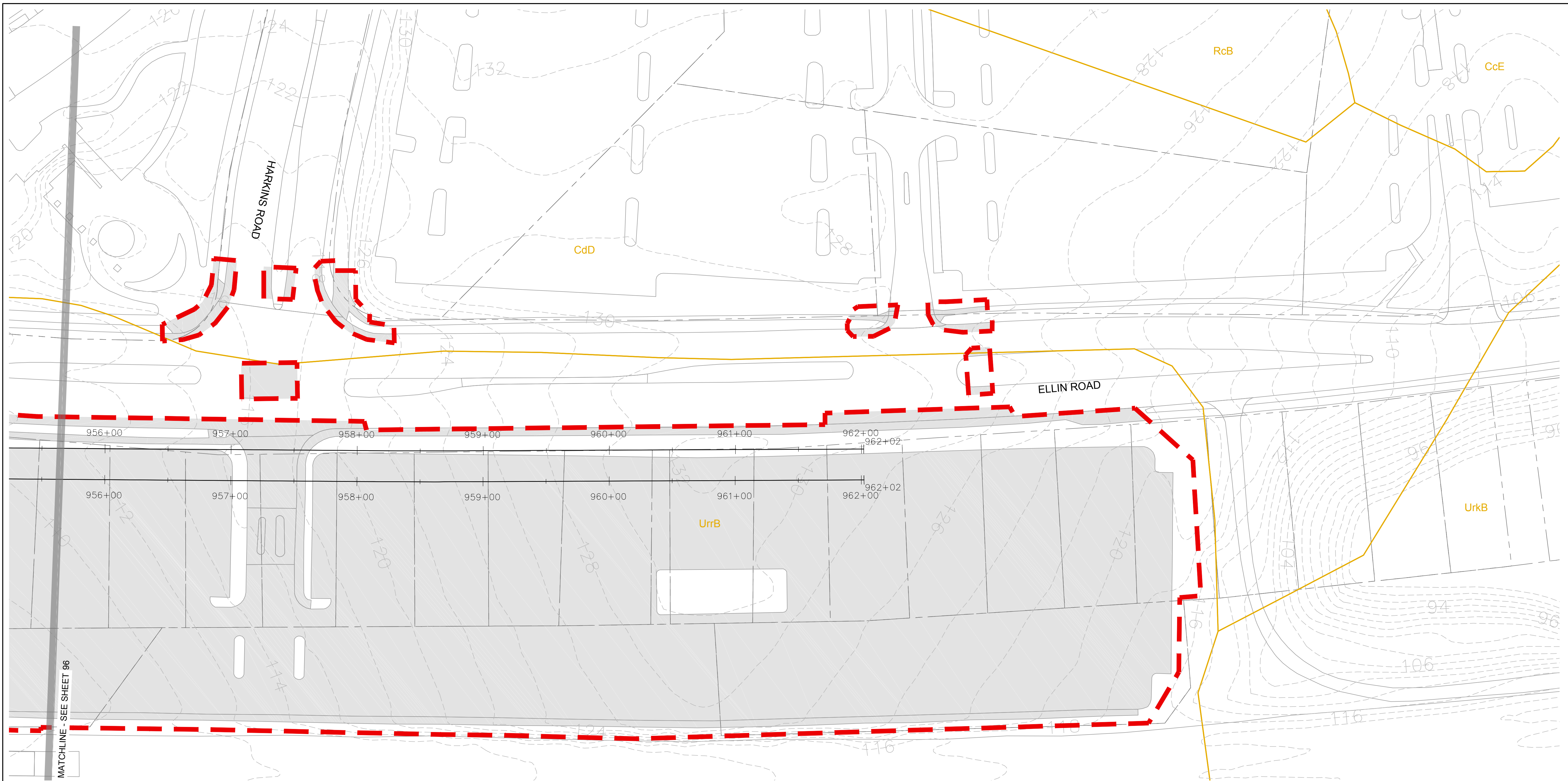
NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR CHECK DRAWN DESIGN
CJH
CJH
MJK
MJK

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

L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_81-100.dwg
PRINTED ON: 20 July 2016



- LEGEND**
- STAND 5 FOREST STAND BOUNDARY AND LABEL FROM FSD
 - XXXXX 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
 - 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

MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND TRANSIT ADMINISTRATION



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
REVISIONS			

APPR CHECK DRAWN DESIGN

CJH
 CJH
 MJK
 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

L:\Maryland\Projects\MD01000s\MD01200\MD1286.01\CADD\05-ENVR\Forest Conservation Plan\SHEETS\MD1286.01_FCP\SHEETS_81-100.dwg
 PRINTED ON: 20 July 2016

Date: JULY 2016

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			Preservation Measures					Comments	% CRZ Loss			
							TREE WHOLLY WITHIN CLEARING LIMITS	TREE ADJACENT TO CLEARING LIMITS - UNACCEPTABLE ROOT DAMAGE IS EXPECTED	Removal	Removal By Arborist	Root Prune	Tree Protection Fence	Mulch	Construction Oversight/Monitoring			Support Cable	Canopy Prune	
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								34.6%	
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								44.9%	
181	32.6	silver maple	Acer saccharinum	10.0	50	Fair		X		X								45.9%	
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									100.0%	
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 virginiana	11.0	60	Good		X		X								39.1%	
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								32.8%	
204	32	black locust	Robinia pseudoacacia	10.0	48	Good	X		X									39.0%	
205	33.5	cedar spp.	Cupressaceae sp.	10.0	51	Good	X		X									45.8%	
206	39.7	bald cypress	Taxodium distichum	11.0	60	Good	X		X									31.1%	
207	46.5	silver maple	Acer saccharinum	12.0	71	Good				X	X	X	X					13.8%	
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								38.7%	
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								53.8%	
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								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	X	X					3.2%	
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	X	X	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%	
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%	



Date: JULY 2016

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			Preservation Measures					Comments	% CRZ Loss			
							TREE WHOLLY WITHIN CLEARING LIMITS	TREE ADJACENT TO CLEARING LIMITS - UNACCEPTABLE ROOT DAMAGE IS EXPECTED	Removal	Removal By Arborist	Root Prune	Tree Protection Fence	Mulch	Construction Oversight/Monitoring			Support Cable	Canopy Prune	
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.															

