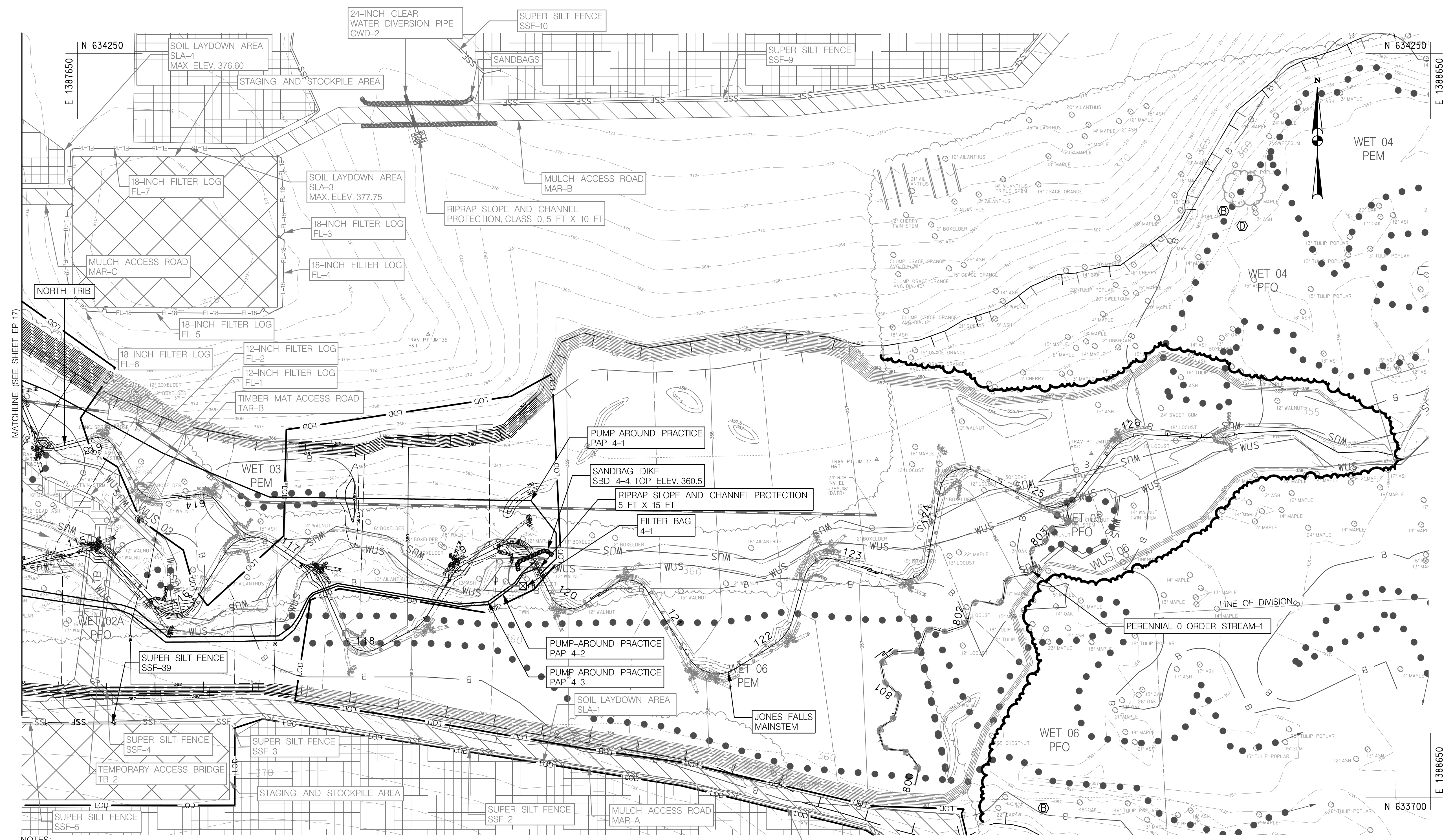
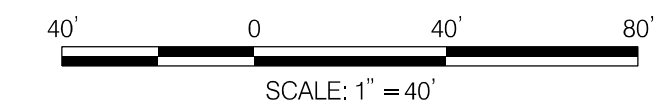


SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION



- NOTES:
1. ALL DISTURBED AREAS SHALL BE STABILIZED BY THE END OF EACH DAY, PER THE SEQUENCE OF CONSTRUCTION.
 2. WHERE THE LOD EXTENDS BEYOND THE CONSERVATION EASEMENT, PROPERTY ACCESS IS PROVIDED WITH RIGHT-OF-ENTRY AGREEMENTS. LOD INCLUDED FOR PREVIOUSLY INSTALLED ACCESS ROAD. SEE PHASE 1 OF CONSTRUCTION FOR LIMITS OF ACCESS ROAD.
 3. THE CONTRACTOR SHALL SET UP PUMP-AROUND PRACTICES FOR A DISTANCE OF NO MORE THAN 500- FEET OF EXISTING STREAM LENGTH AT ONE TIME, PER PUMP-AROUND PRACTICE.
 4. EXCESS SOIL TO BE PLACED ON DESIGNATED SOIL LAYDOWN AREAS (SLA-1 THROUGH SLA-8) AS INDICATED ON DRAWINGS EP-1 THROUGH EP-9 AS DIRECTED BY THE ENGINEER. THICKNESS MAY VARY. DRAINAGE PATTERNS ARE NOT TO BE ALTERED WITH THE PLACEMENT OF THE SOIL IN THE SOIL LAYDOWN AREAS.



OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRIDGING HWY
 BALTIMORE, MD 21224

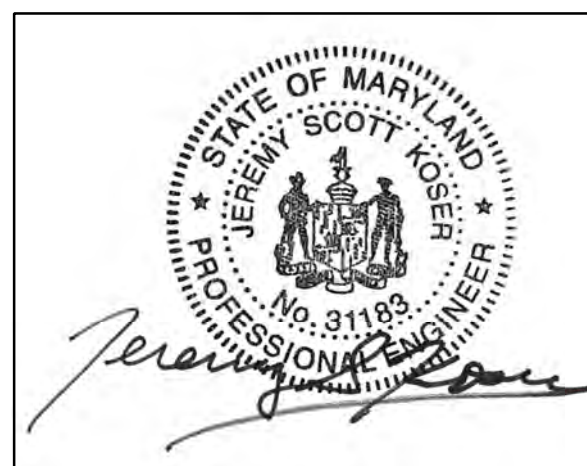
MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
 OWINGS MILLS, MD 21117

ECCLESTON MITIGATION SITE

DESIGN PROFESSIONAL
 JEREMY KOSER
 JOHNSON, MIRIMAN & THOMPSON, INC.
 40 WIGHT AVENUE, HUNT VALLEY, MD 21030
 TEL: 410-316-2360
 EMAIL: JKoser@jmt.com

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31183, EXPIRATION DATE: 1/13/2023.



EROSION AND SEDIMENT CONTROL PLAN - PHASE 04

SCALE AS SHOWN DATE APRIL 2021 PROJECT NO. 17-10977-002
 MDE PROJECT NO. 21-SF-0044 CONTRACT NO. KH-3038-0000
 DESIGNED BY PVC COUNTY BALTIMORE COUNTY
 DRAWN BY PVC LOGMILE
 CHECKED BY JMM /MRG HORIZONTAL SCALE N/A
 F.A.P. NO. N/A VERTICAL SCALE N/A

REVISIONS
 100% SUBMISSION
 NOT FOR CONSTRUCTION

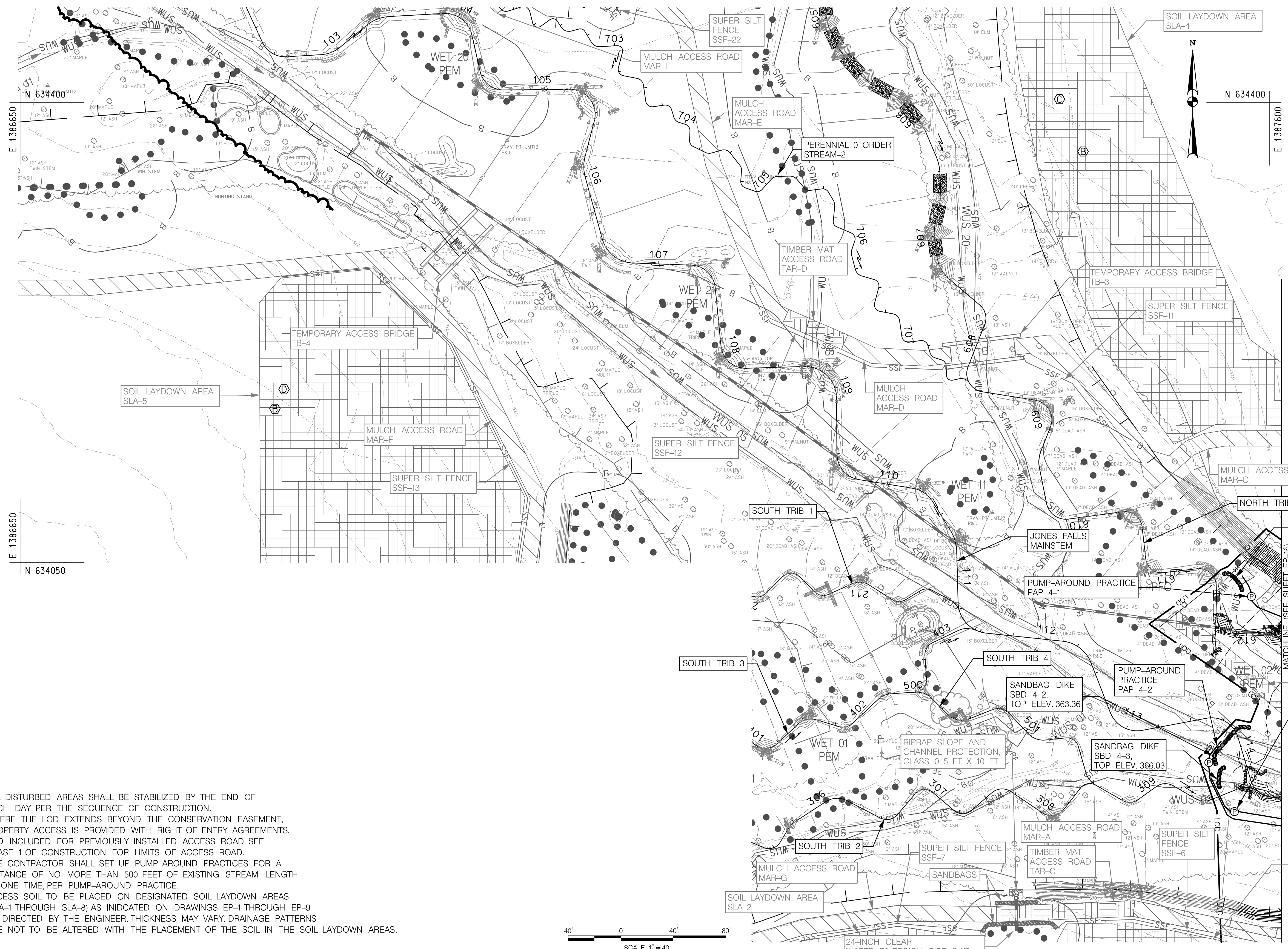
DRAWING NO. **EP-16** OF **31** SHEET NO. 66 OF 86



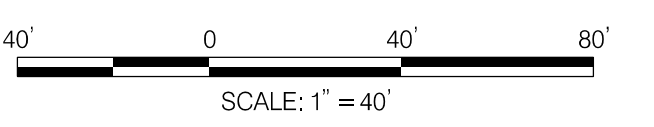
BY: K Higgins

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SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION



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ECCLESTON MITIGATION SITE

REVISIONS
100% SUBMISSION
NOT FOR CONSTRUCTION

EROSION AND SEDIMENT CONTROL PLAN - PHASE 04

SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO. 17-10977-002
MDE PROJECT NO. 21-SF-0044		CONTRACT NO. KH-3038-0000
DESIGNED BY PVC		COUNTY BALTIMORE COUNTY
DRAWN BY PVC		LOGMILE
CHECKED BY JMM /MRG		HORIZONTAL SCALE N/A
F.A.P. NO. N/A		VERTICAL SCALE N/A
DRAWING NO. EP - 17 OF 31		SHEET NO. 67 OF 86

OWNER /DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BREENING HWY
 BALTIMORE, MD 21224

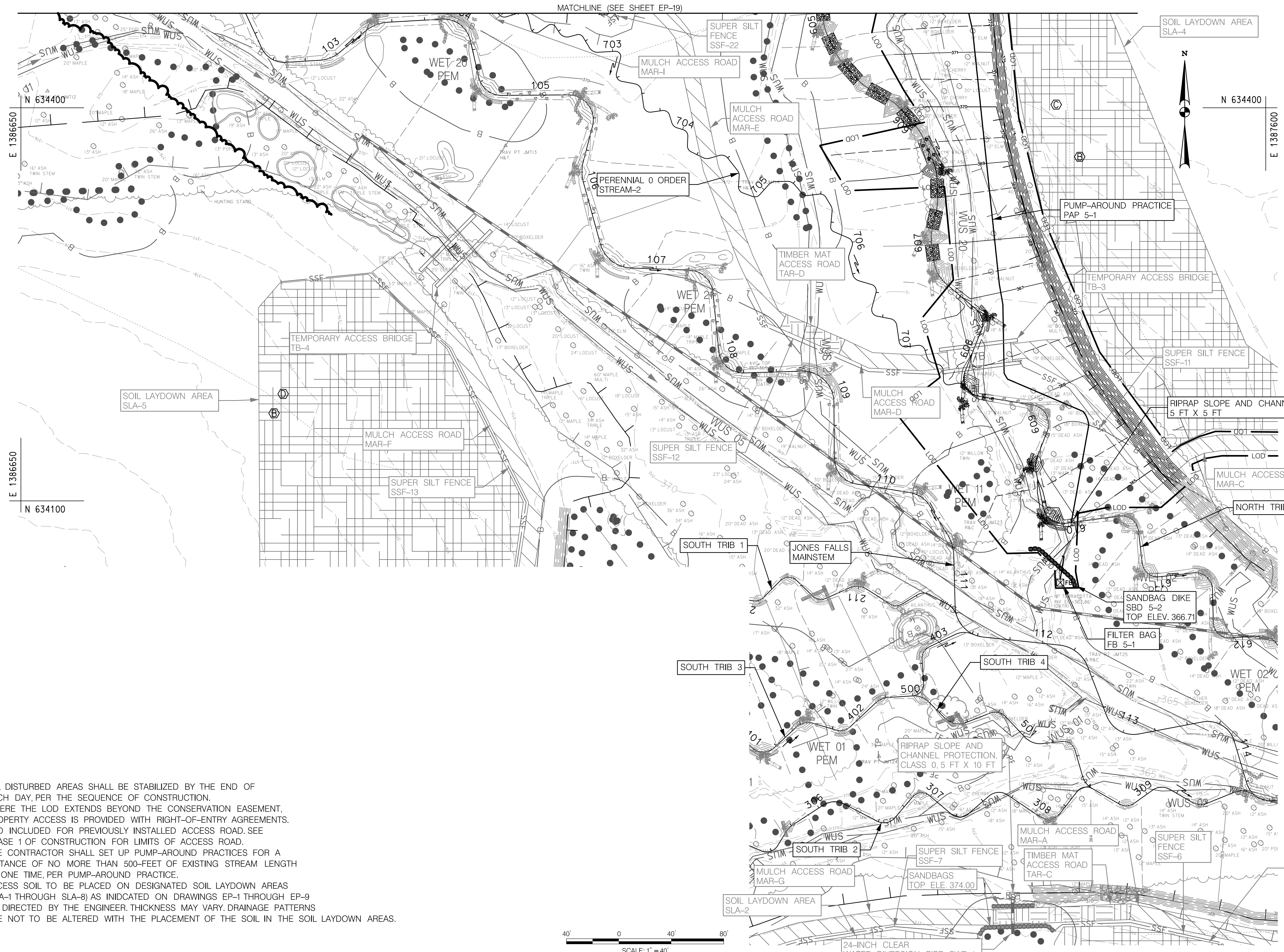
MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
 OWINGS MILLS, MD 21117

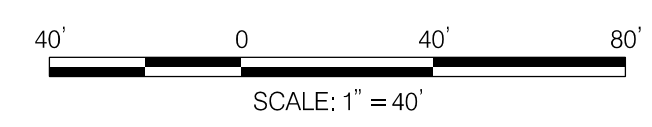
BY: K. Higgins

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SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION



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DESIGN PROFESSIONAL
 JEREMY KOSER
 JOHNSON MIRMIRAN & THOMPSON, INC.
 40 WIGHT AVENUE, HUNT VALLEY, MD 21030
 TEL: 410-316-2360
 EMAIL: JKoser@jmt.com

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ECCLESTON MITIGATION SITE

REVISIONS
100% SUBMISSION
NOT FOR CONSTRUCTION

OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRUCEING HWY
 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
 OWINGS MILLS, MD 21117

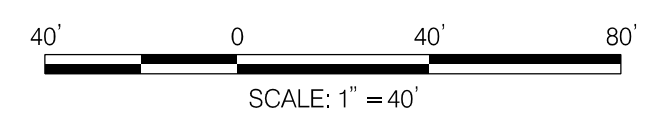
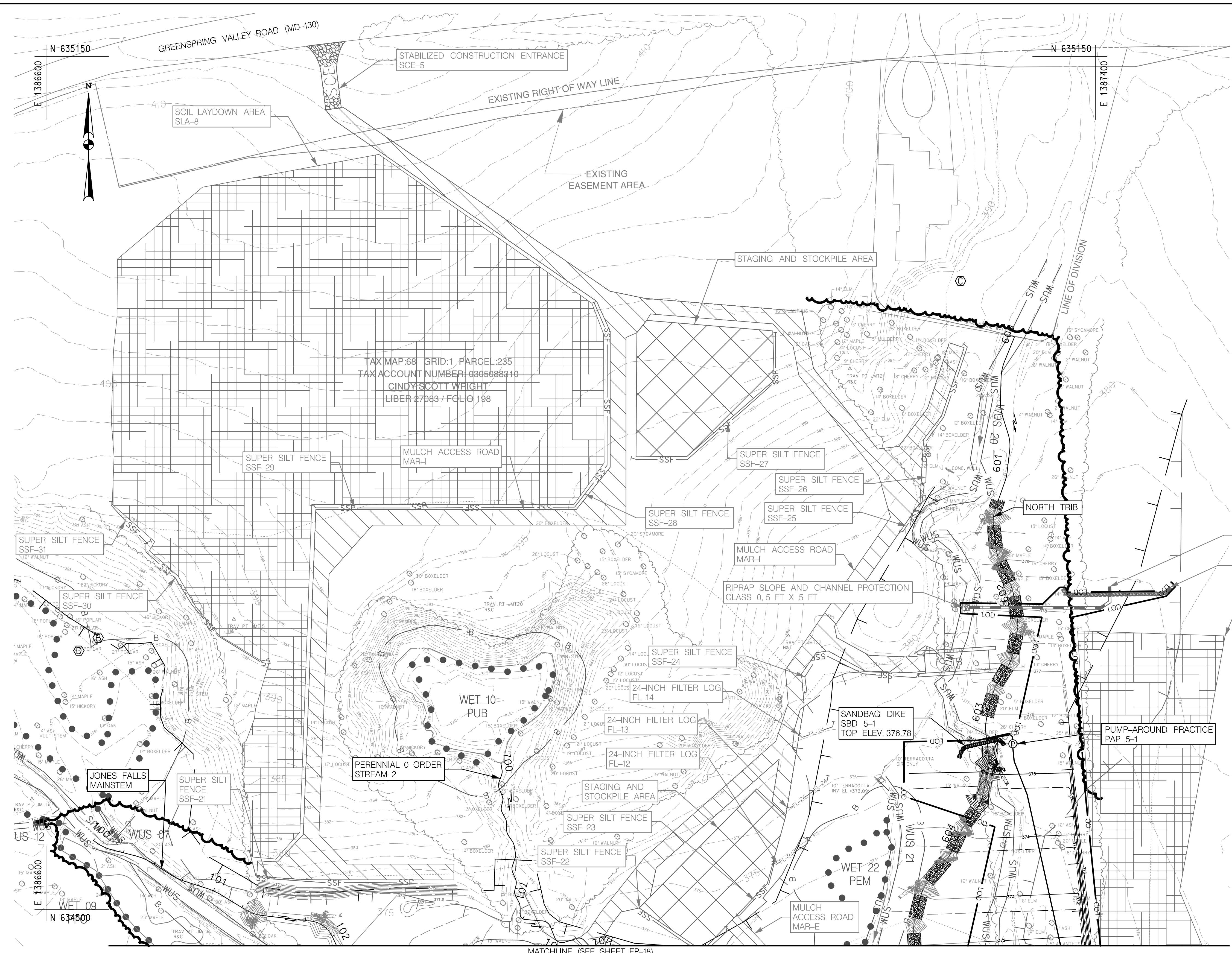
EROSION AND SEDIMENT CONTROL PLAN - PHASE 05			
SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO.	17-10977-002
MDE PROJECT NO.	21-SF-0044	CONTRACT NO.	KH-3038-0000
DESIGNED BY	PVC	COUNTY	BALTIMORE COUNTY
DRAWN BY	PVC	LOGMILE	
CHECKED BY	JJM /MRG	HORIZONTAL SCALE	N/A
F.A.P. NO.	N/A	VERTICAL SCALE	N/A
DRAWING NO.	EP - 18	OF	31
SHEET NO.	68	OF	86

BY: K. Higgins

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SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION

- NOTES:
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OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRIDGING HWY
 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
 OWINGS MILLS, MD 21117

MATCHLINE (SEE SHEET EP-18)



DESIGN PROFESSIONAL
 JEREMY KOSER
 JOHNSON, MIRIRAN & THOMPSON, INC.
 40 WIGHT AVENUE, HUNT VALLEY, MD 21030
 TEL: 410-316-2360
 EMAIL: JKoser@jmt.com

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ECCLESTON MITIGATION SITE

REVISIONS

100% SUBMISSION
NOT FOR CONSTRUCTION

EROSION AND SEDIMENT CONTROL PLAN - PHASE 05

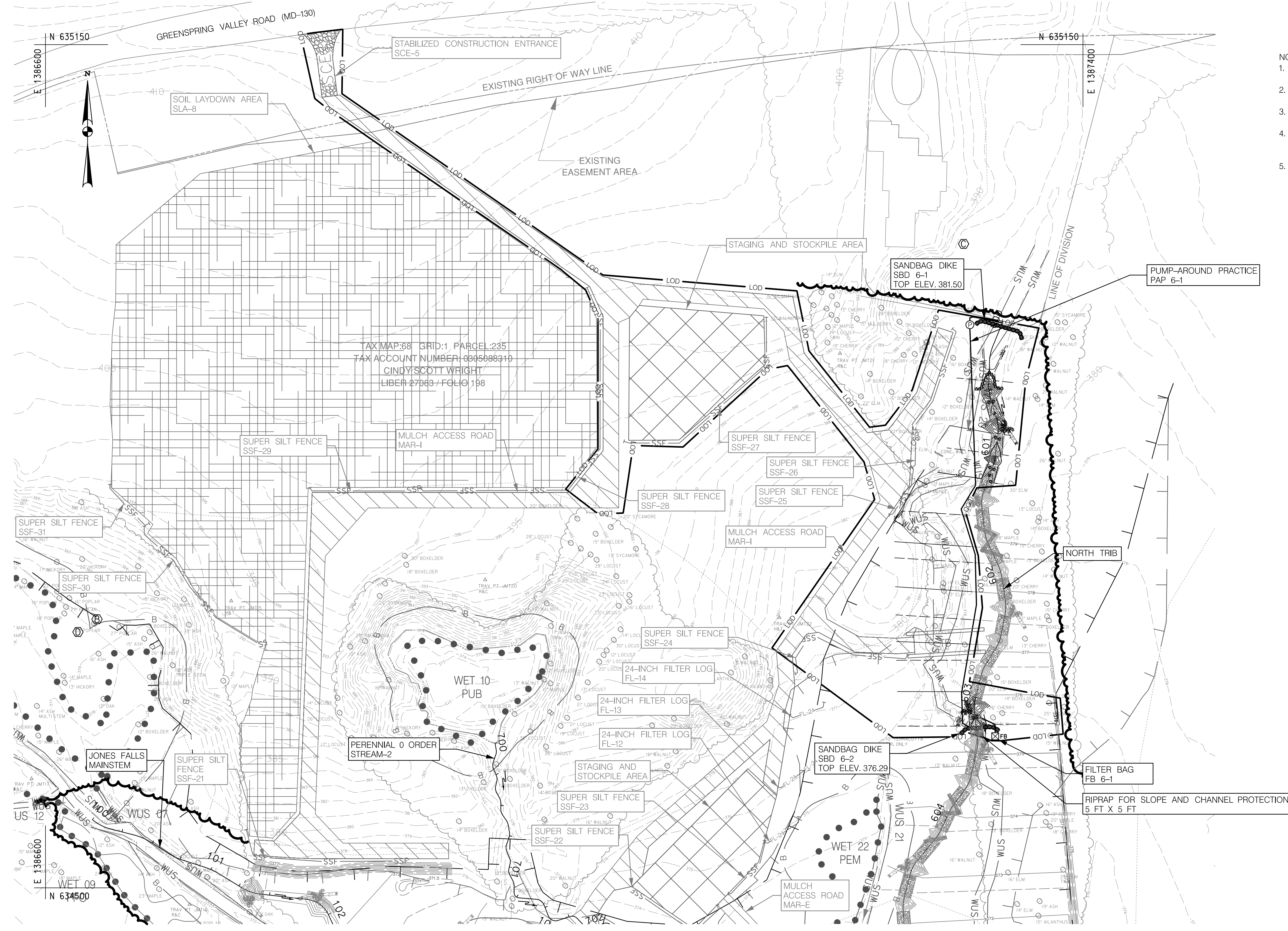
SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO. 17-10977-002
MDE PROJECT NO. 21-SF-0044		CONTRACT NO. KH-3038-0000
DESIGNED BY PVC		COUNTY BALTIMORE COUNTY
DRAWN BY PVC		LOGMILE
CHECKED BY JMM /MRG		HORIZONTAL SCALE N/A
F.A.P. NO. N/A		VERTICAL SCALE N/A
DRAWING NO. EP-19	OF 31	SHEET NO. 69 OF 86

BY: K. Higgins

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SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION

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SCALE: 1" = 40'

OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRIDGING HWY
 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88	
GREENSPRING VALLEY ROAD SW CORNER PARK HEIGHTS AVE OWINGS MILLS, MD 21117	
EROSION AND SEDIMENT CONTROL PLAN - PHASE 06	
SCALE AS SHOWN	DATE APRIL 2021
MDE PROJECT NO. 21-SF-0044	PROJECT NO. 17-10977-002
DESIGNED BY PVC	COUNTY BALTIMORE COUNTY
DRAWN BY PVC	LOGMILE
CHECKED BY JJM / MRG	HORIZONTAL SCALE N/A
F.A.P. NO. N/A	VERTICAL SCALE N/A
DRAWING NO. EP-20 OF 31	SHEET NO. 70 OF 86

BY: K. Higgins



DESIGN PROFESSIONAL
 JEREMY KOSER
 JOHNSON MIRMIRAN & THOMPSON INC.
 40 WIGHT AVENUE, HUNT VALLEY, MD 21030
 TEL: 410-316-2360
 EMAIL: JKoser@jmt.com

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31183, EXPIRATION DATE: 1/13/2023.

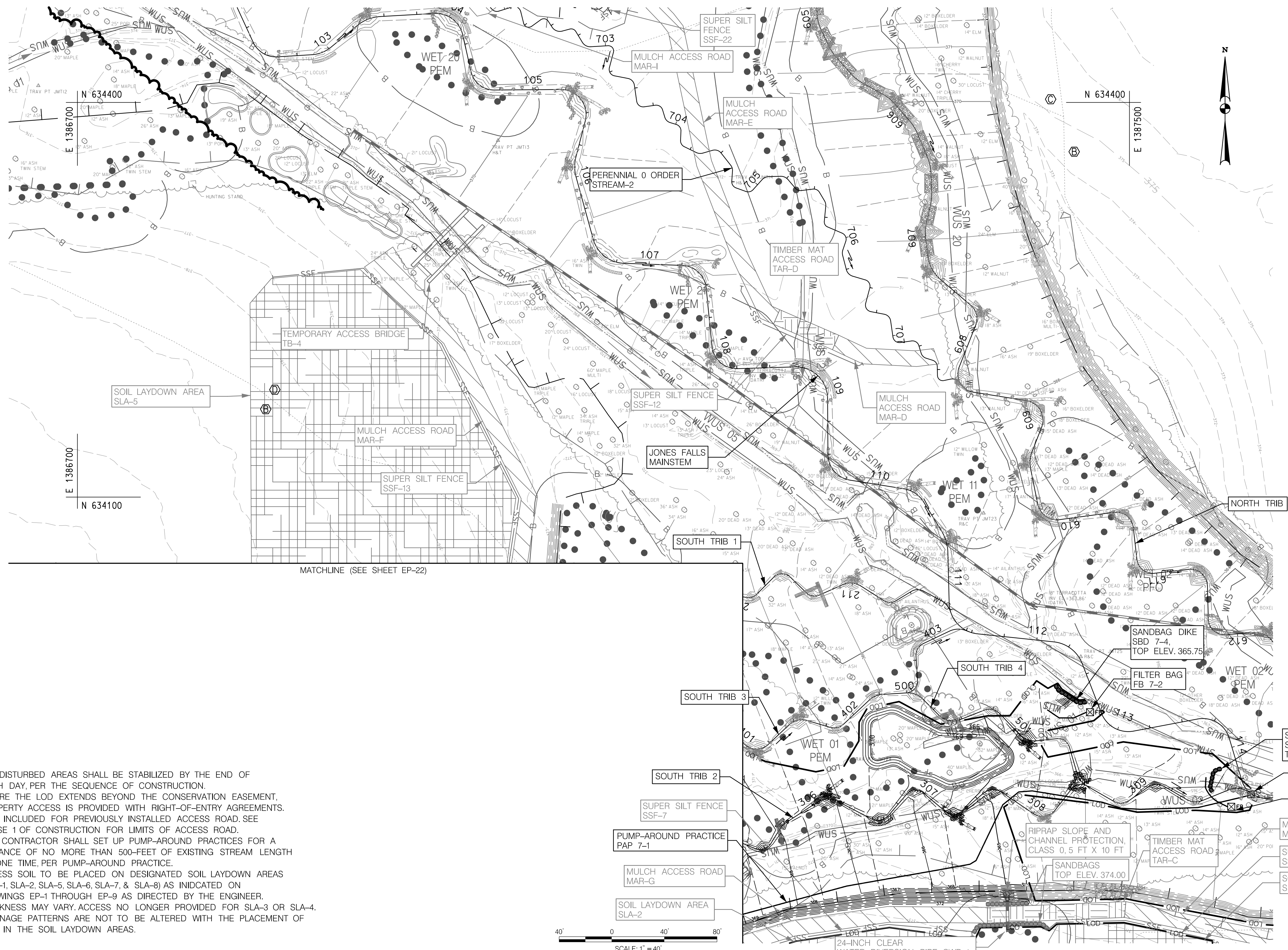
ECCLESTON MITIGATION SITE

REVISIONS

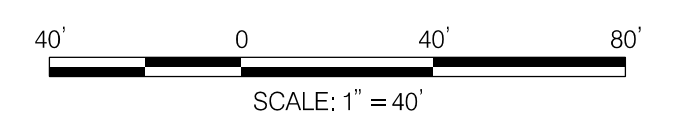
100% SUBMISSION

NOT FOR CONSTRUCTION

SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION



- NOTES:
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OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRONING HWY
 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
 OWINGS MILLS, MD 21117



DESIGN PROFESSIONAL
 JEREMY KOSER
 JOHNSON MIRMIRAN & THOMPSON INC.
 40 WIGHT AVENUE, HUNT VALLEY, MD 21030
 TEL: 410-316-2360
 EMAIL: JKoser@jmt.com

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ECCLESTON MITIGATION SITE

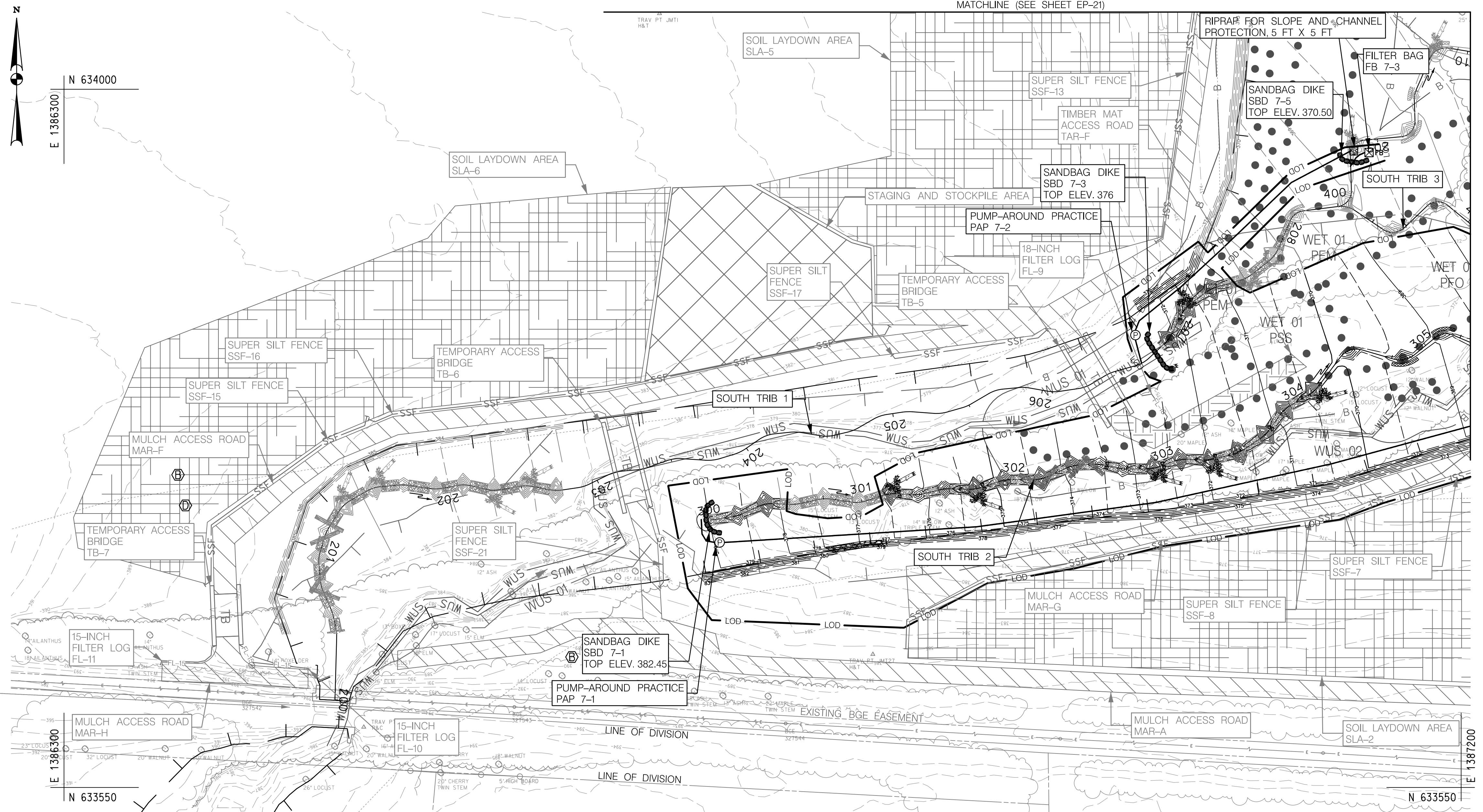
REVISIONS
100% SUBMISSION
NOT FOR CONSTRUCTION

EROSION AND SEDIMENT CONTROL PLAN - PHASE 07			
SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO.	17-10977-002
MDE PROJECT NO.	21-SF-0044	CONTRACT NO.	KH-3038-0000
DESIGNED BY	PVC	COUNTY	BALTIMORE COUNTY
DRAWN BY	PVC	LOGMILE	
CHECKED BY	JJM /MRG	HORIZONTAL SCALE	N/A
F.A.P. NO.	N/A	VERTICAL SCALE	N/A
DRAWING NO.	EP- 21	OF	31
		SHEET NO.	71 OF 86

BY: K. Higgins

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 Wednesday, April 28, 2021 AT 12:24 PM

SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION



AREA OF TITLE THAT POSSIBLY LIES WITHIN OLD RAILROAD

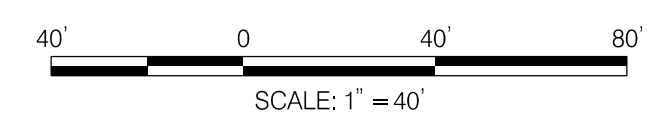
- NOTES:
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OWNER / DEVELOPER INFORMATION

MARYLAND TRANSPORTATION AUTHORITY
2310 ECHENING HWY
BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
SW CORNER PARK HEIGHTS AVE
OWINGS MILLS, MD 21117



	DESIGN PROFESSIONAL
	JEREMY KOSER JOHNSON MIRMIRAN & THOMPSON, INC. 40 WIGHT AVENUE, HUNT VALLEY, MD 21030 TEL: 410-316-2360 EMAIL: JKoser@jmt.com
	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31183, EXPIRATION DATE: 1/13/2023.

ECCLESTON MITIGATION SITE

REVISIONS

100%
SUBMISSION

NOT FOR
CONSTRUCTION

EROSION AND SEDIMENT CONTROL PLAN - PHASE 07

SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO. 17-10977-002
MDE PROJECT NO. 21-SF-0044		CONTRACT NO. KH-3038-0000
DESIGNED BY PVC		COUNTY BALTIMORE COUNTY
DRAWN BY PVC		LOGMILE
CHECKED BY JJM /MRG		HORIZONTAL SCALE N/A
F.A.P. NO. N/A		VERTICAL SCALE N/A

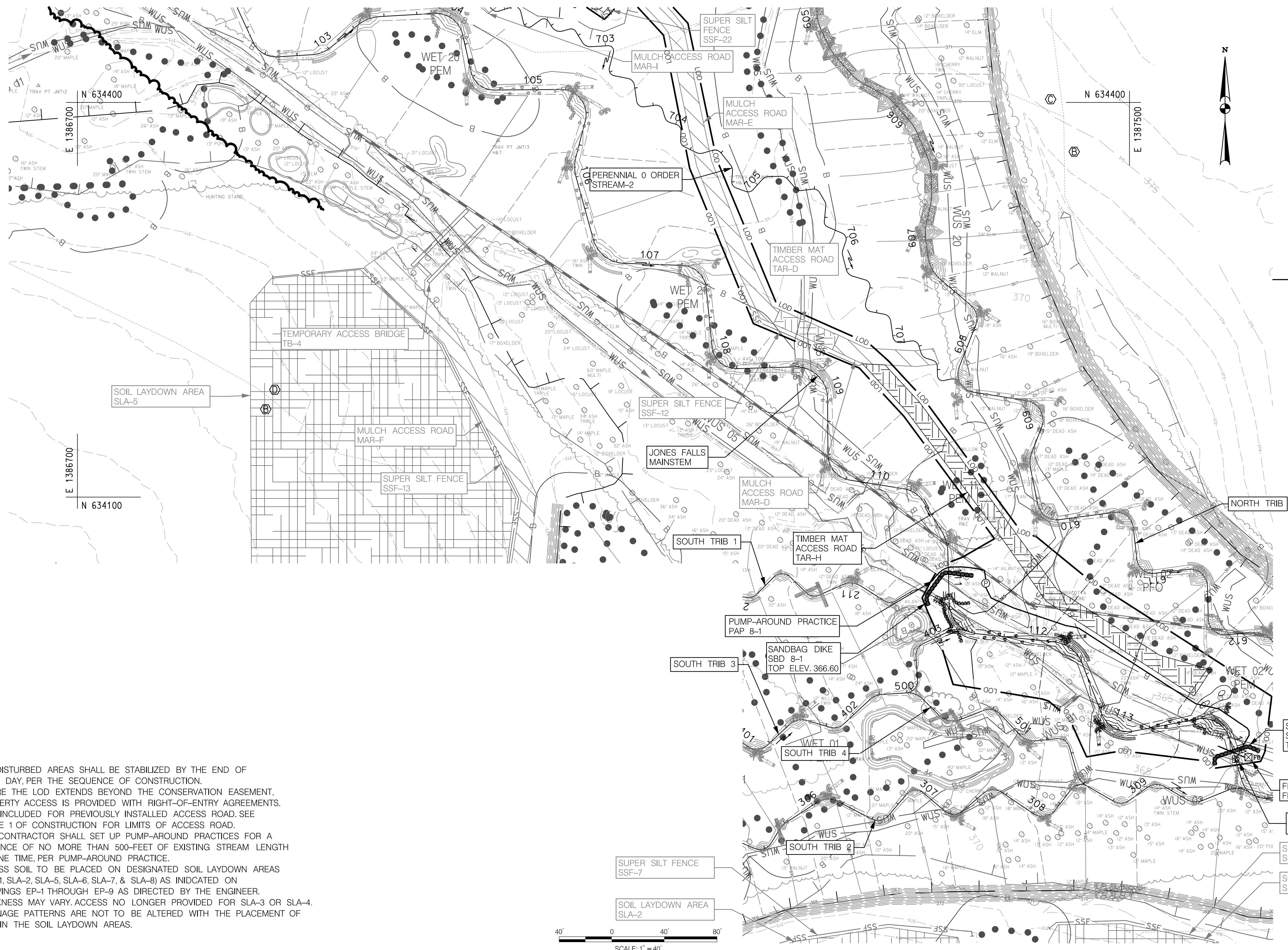
DRAWING NO. **EP-22** OF **31** SHEET NO. 72 OF 86



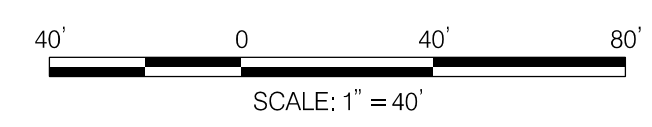
BY: K. Higgins

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SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION



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OWNER / DEVELOPER INFORMATION

MARYLAND TRANSPORTATION AUTHORITY
2310 BRONING HWY
BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
SW CORNER PARK HEIGHTS AVE
OWINGS MILLS, MD 21117

EROSION AND SEDIMENT CONTROL PLAN - PHASE 08

SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO. 17-10977-002
MDE PROJECT NO. 21-SF-0044		CONTRACT NO. KH-3038-0000
DESIGNED BY PVC		COUNTY BALTIMORE COUNTY
DRAWN BY PVC		LOGMILE
CHECKED BY JJM / MRG		HORIZONTAL SCALE N/A
F.A.P. NO. N/A		VERTICAL SCALE N/A

DRAWING NO. **EP- 23** OF **31** SHEET NO. 73 OF 86

ECCLESTON MITIGATION SITE

DESIGN PROFESSIONAL
JEREMY KOSER
JOHNSON, MIRMIRAN & THOMPSON, INC.
40 WIGHT AVENUE, HUNT VALLEY, MD 21030
TEL: 410-316-2360
EMAIL: JKoser@jmt.com

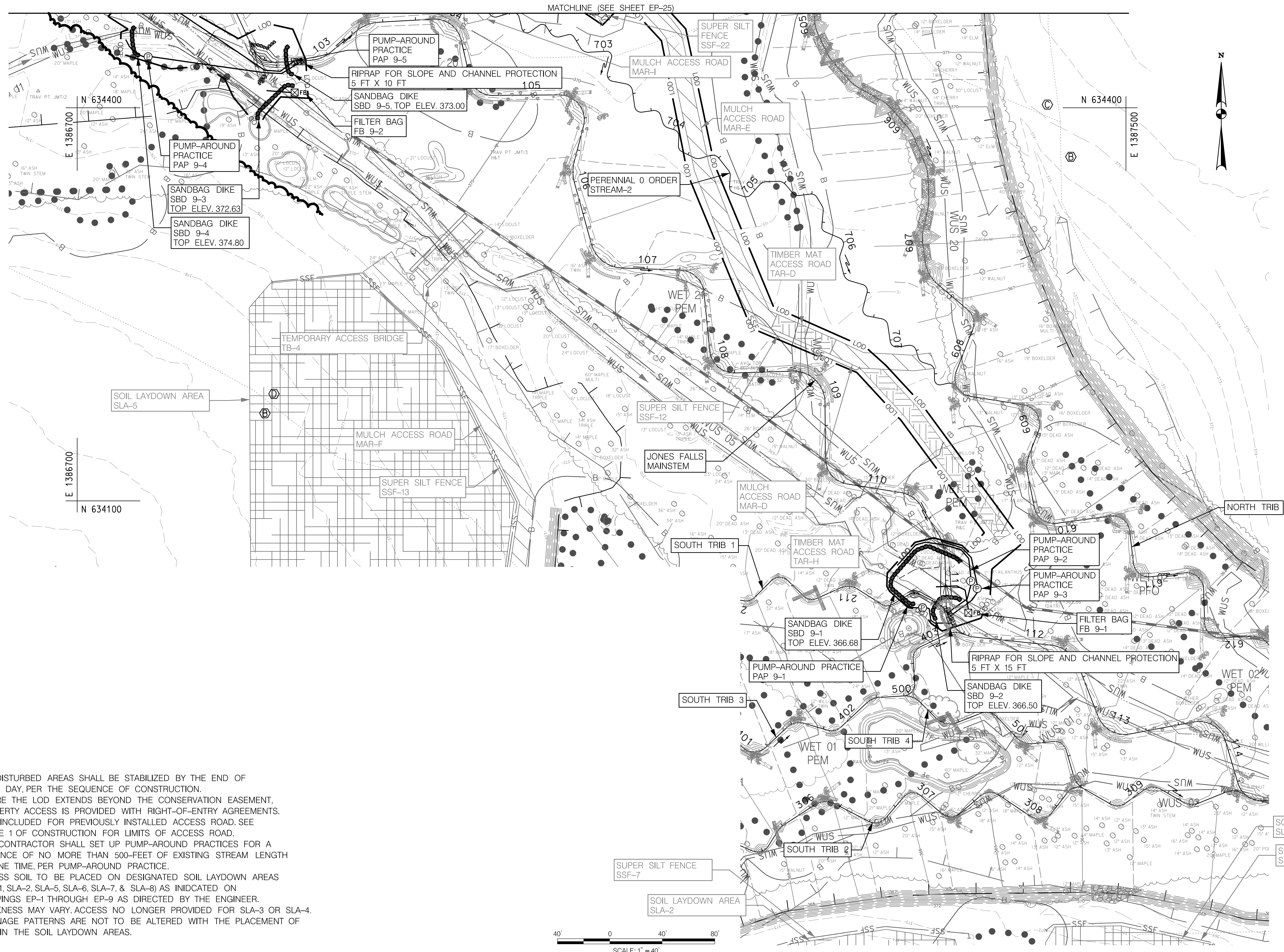
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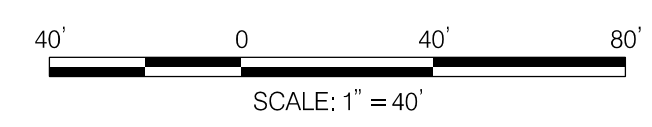
BY: K Higgins

C:\2017\170977_002 Eccleston PRM_Turnover\CAD\08_EP08.dwg, Thursday, April 28, 2021 AT 12:26 PM

SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION



- NOTES:
- ALL DISTURBED AREAS SHALL BE STABILIZED BY THE END OF EACH DAY, PER THE SEQUENCE OF CONSTRUCTION.
 - WHERE THE LOD EXTENDS BEYOND THE CONSERVATION EASEMENT, PROPERTY ACCESS IS PROVIDED WITH RIGHT-OF-ENTRY AGREEMENTS.
 - LOD INCLUDED FOR PREVIOUSLY INSTALLED ACCESS ROAD. SEE PHASE 1 OF CONSTRUCTION FOR LIMITS OF ACCESS ROAD.
 - THE CONTRACTOR SHALL SET UP PUMP-AROUND PRACTICES FOR A DISTANCE OF NO MORE THAN 500- FEET OF EXISTING STREAM LENGTH AT ONE TIME, PER PUMP-AROUND PRACTICE.
 - EXCESS SOIL TO BE PLACED ON DESIGNATED SOIL LAYDOWN AREAS (SLA-1, SLA-2, SLA-5, SLA-6, SLA-7, & SLA-8) AS INDICATED ON DRAWINGS EP-1 THROUGH EP-9 AS DIRECTED BY THE ENGINEER. THICKNESS MAY VARY. ACCESS NO LONGER PROVIDED FOR SLA-3 OR SLA-4. DRAINAGE PATTERNS ARE NOT TO BE ALTERED WITH THE PLACEMENT OF SOIL IN THE SOIL LAYDOWN AREAS.



OWNER / DEVELOPER INFORMATION

MARYLAND TRANSPORTATION AUTHORITY
2310 BRACING HWY
BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
SW CORNER PARK HEIGHTS AVE
OWINGS MILLS, MD 21117

EROSION AND SEDIMENT CONTROL PLAN - PHASE 09

REVISIONS

100% SUBMISSION

NOT FOR CONSTRUCTION

SCALE AS SHOWN DATE APRIL 2021 PROJECT NO. 17-10977-002
MDE PROJECT NO. 21-SF-0044 CONTRACT NO. KH-3038-0000
DESIGNED BY PVC COUNTY BALTIMORE COUNTY
DRAWN BY PVC LOGMILE
CHECKED BY JJM /MRG HORIZONTAL SCALE N/A
F.A.P. NO. N/A VERTICAL SCALE N/A

DRAWING NO. **EP-24** OF **31** SHEET NO. 74 OF 86

ECCLESTON MITIGATION SITE

DESIGN PROFESSIONAL
JEREMY KOSER
JOHNSON MIRMIRAN & THOMPSON INC.
40 WIGHT AVENUE, HUNT VALLEY, MD 21030
TEL: 410-316-2360
EMAIL: JKoser@jmt.com

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31183, EXPIRATION DATE: 1/13/2023.

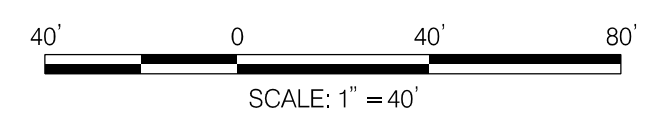
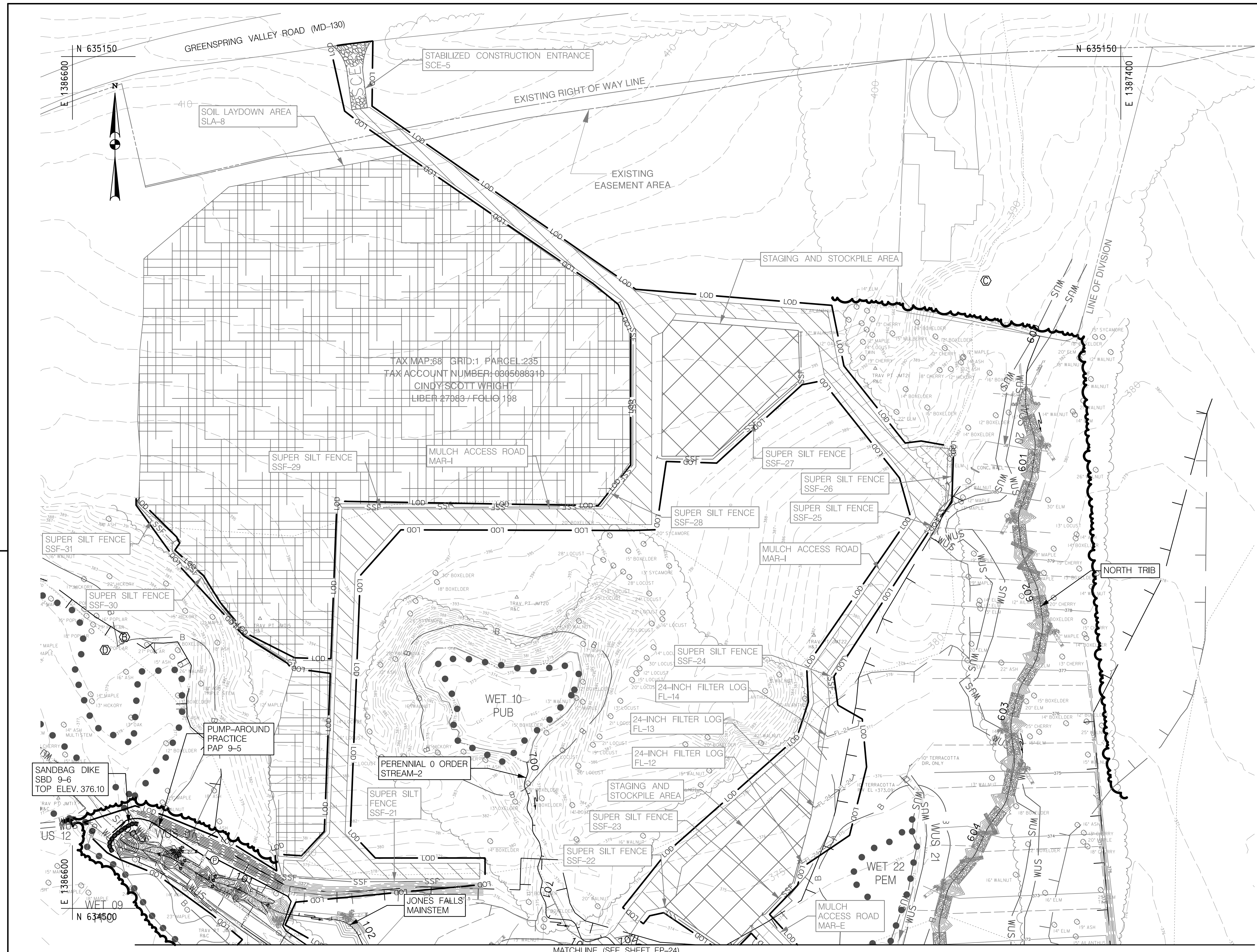


BY: K. Higgins

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SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION

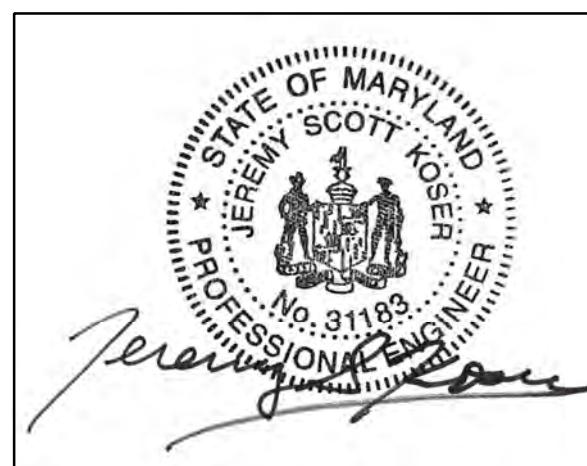
- NOTES:
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OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRIDGING HWY
 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
 OWINGS MILLS, MD 21117



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ECCLESTON MITIGATION SITE

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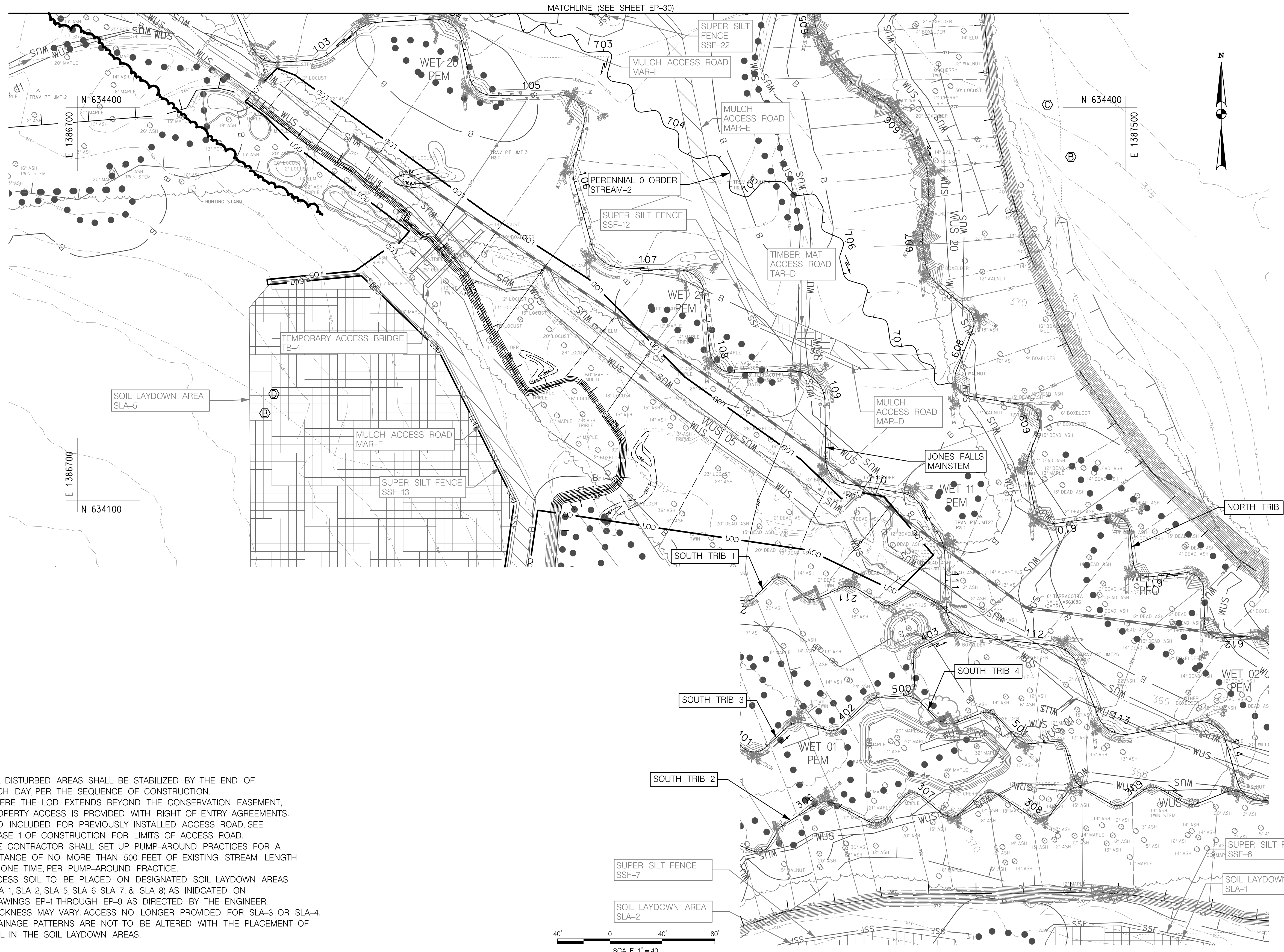
EROSION AND SEDIMENT CONTROL PLAN - PHASE 09			
SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO.	17-10977-002
MDE PROJECT NO.	21-SF-0044	CONTRACT NO.	KH-3038-0000
DESIGNED BY	PVC	COUNTY	BALTIMORE COUNTY
DRAWN BY	PVC	LOGMILE	
CHECKED BY	JJM /MRG	HORIZONTAL SCALE	N/A
F.A.P. NO.	N/A	VERTICAL SCALE	N/A
DRAWING NO.	EP-25 OF 31	SHEET NO.	75 OF 86



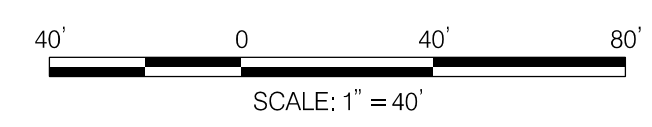
BY: K. Higgins

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SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION



- NOTES:
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OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRONING HWY
 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88
 GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
 OWINGS MILLS, MD 21117



DESIGN PROFESSIONAL
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ECCLESTON MITIGATION SITE

REVISIONS
100% SUBMISSION
NOT FOR CONSTRUCTION

EROSION AND SEDIMENT CONTROL PLAN - PHASE 10			
SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO. 17-10977-002	
MDE PROJECT NO. 21-SF-0044		CONTRACT NO. KH-3038-0000	
DESIGNED BY PVC		COUNTY BALTIMORE COUNTY	
DRAWN BY PVC		LOGMILE	
CHECKED BY JMM /MRG		HORIZONTAL SCALE N/A	
F.A.P. NO. N/A		VERTICAL SCALE N/A	
DRAWING NO. EP- 26	OF 31	SHEET NO. 76	OF 86

BY: K. Higgins

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SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION



AREA OF TITLE THAT POSSIBLY LIES WITHIN OLD RAILROAD

- NOTES:
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OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRIDGING HWY
 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88
 GREENSPRING VALLEY ROAD
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 OWINGS MILLS, MD 21117



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 JOHNSON, MIRMAN & THOMPSON, INC.
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ECCLESTON MITIGATION SITE

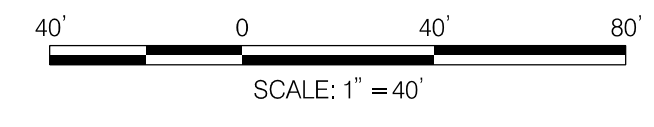
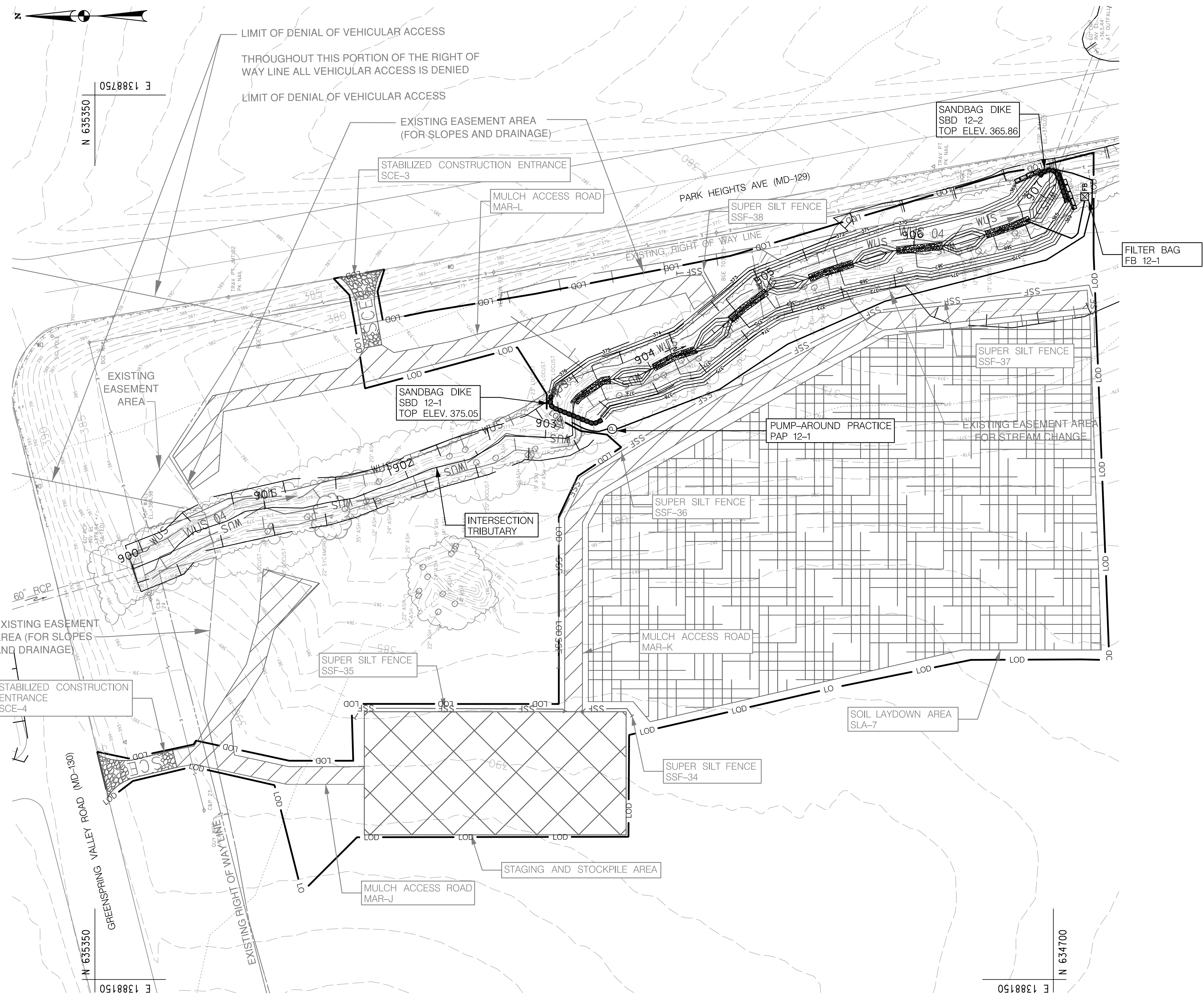
REVISIONS	EROSION AND SEDIMENT CONTROL PLAN - PHASE 11	
100% SUBMISSION	SCALE AS SHOWN	DATE APRIL 2021
NOT FOR CONSTRUCTION	MDE PROJECT NO. 21-SF-0044	PROJECT NO. 17-10977-002
	DESIGNED BY PVC	COUNTY BALTIMORE COUNTY
	DRAWN BY PVC	LOGMILE
	CHECKED BY JJM /MRG	HORIZONTAL SCALE N/A
	F.A.P. NO. N/A	VERTICAL SCALE N/A
	DRAWING NO. EP-27	OF 31
	SHEET NO. 77	OF 86

BY: K. Higgins

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 Wednesday, April 28, 2021 AT 01:27 PM

SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION

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OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRACING HWY
 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
 OWINGS MILLS, MD 21117



DESIGN PROFESSIONAL
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 JOHNSON, MIRMAN & THOMPSON, INC.
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ECCLESTON MITIGATION SITE

REVISIONS
100% SUBMISSION
NOT FOR CONSTRUCTION

EROSION AND SEDIMENT CONTROL PLAN - PHASE 12

SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO. 17-10977-002
MDE PROJECT NO. 21-SF-0044		CONTRACT NO. KH-3038-0000
DESIGNED BY PVC		COUNTY BALTIMORE COUNTY
DRAWN BY PVC		LOGMILE
CHECKED BY JJM /MRG		HORIZONTAL SCALE N/A
F.A.P. NO. N/A		VERTICAL SCALE N/A

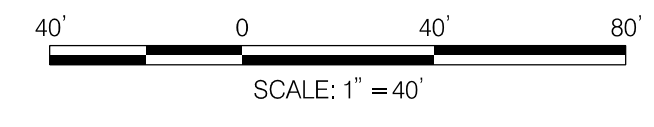
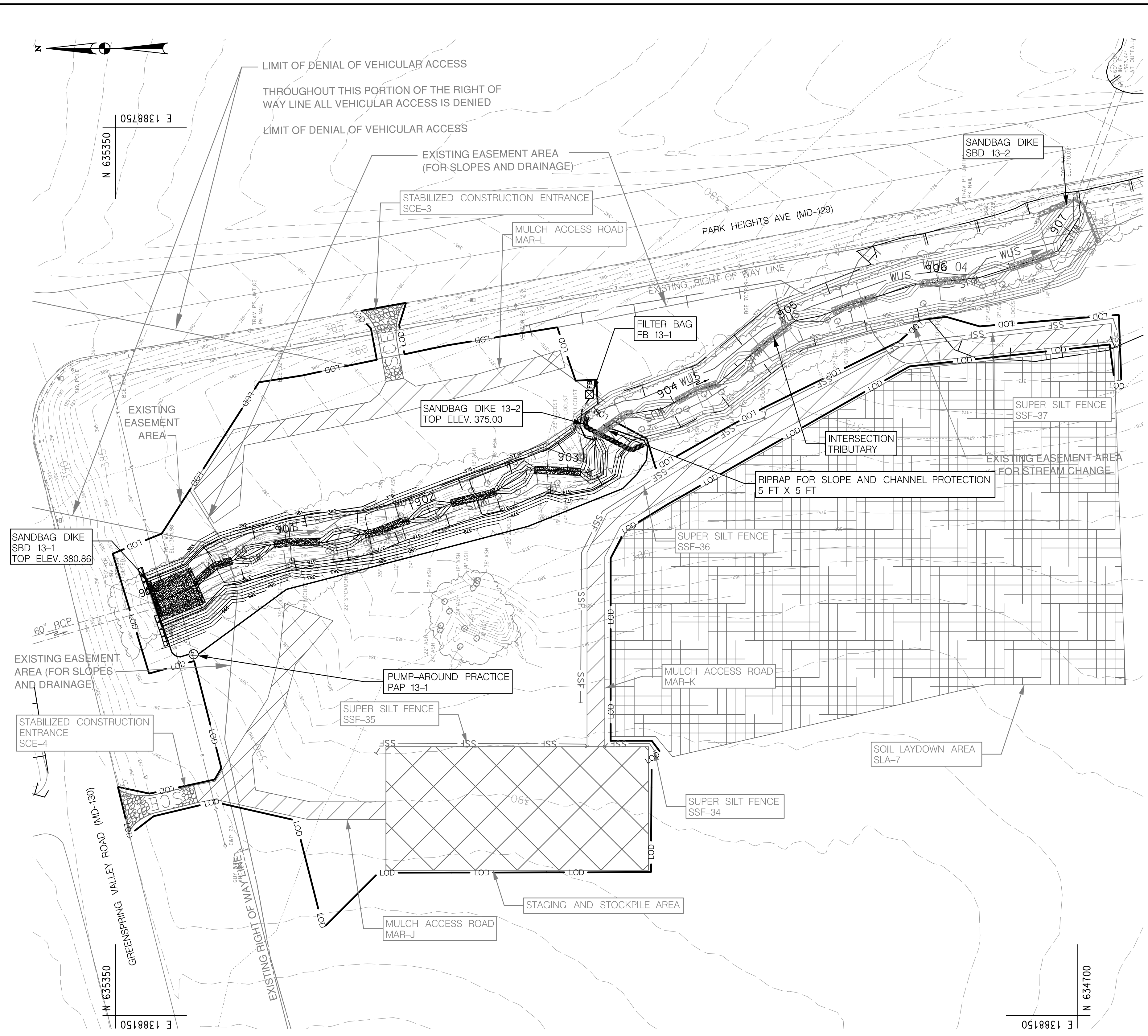
DRAWING NO. **EP-28** OF **31** SHEET NO. 78 OF 86

BY: barranger -

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 Wednesday, April 28, 2021 AT 07:38 AM

SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION

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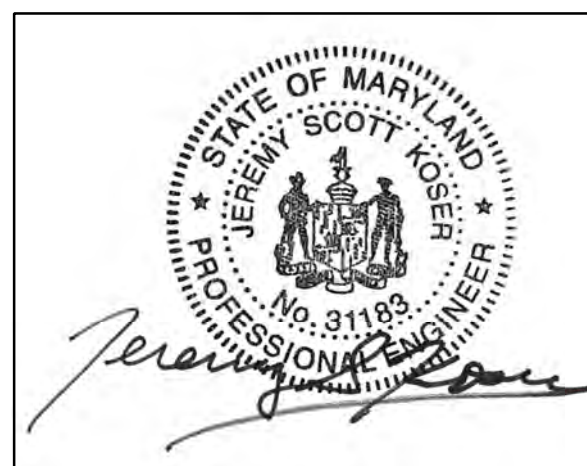


OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRADING HWY
 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
 OWINGS MILLS, MD 21117

BY: barranger -



DESIGN PROFESSIONAL
 JEREMY KOSER
 JOHNSON, MIRIMAN & THOMPSON, INC.
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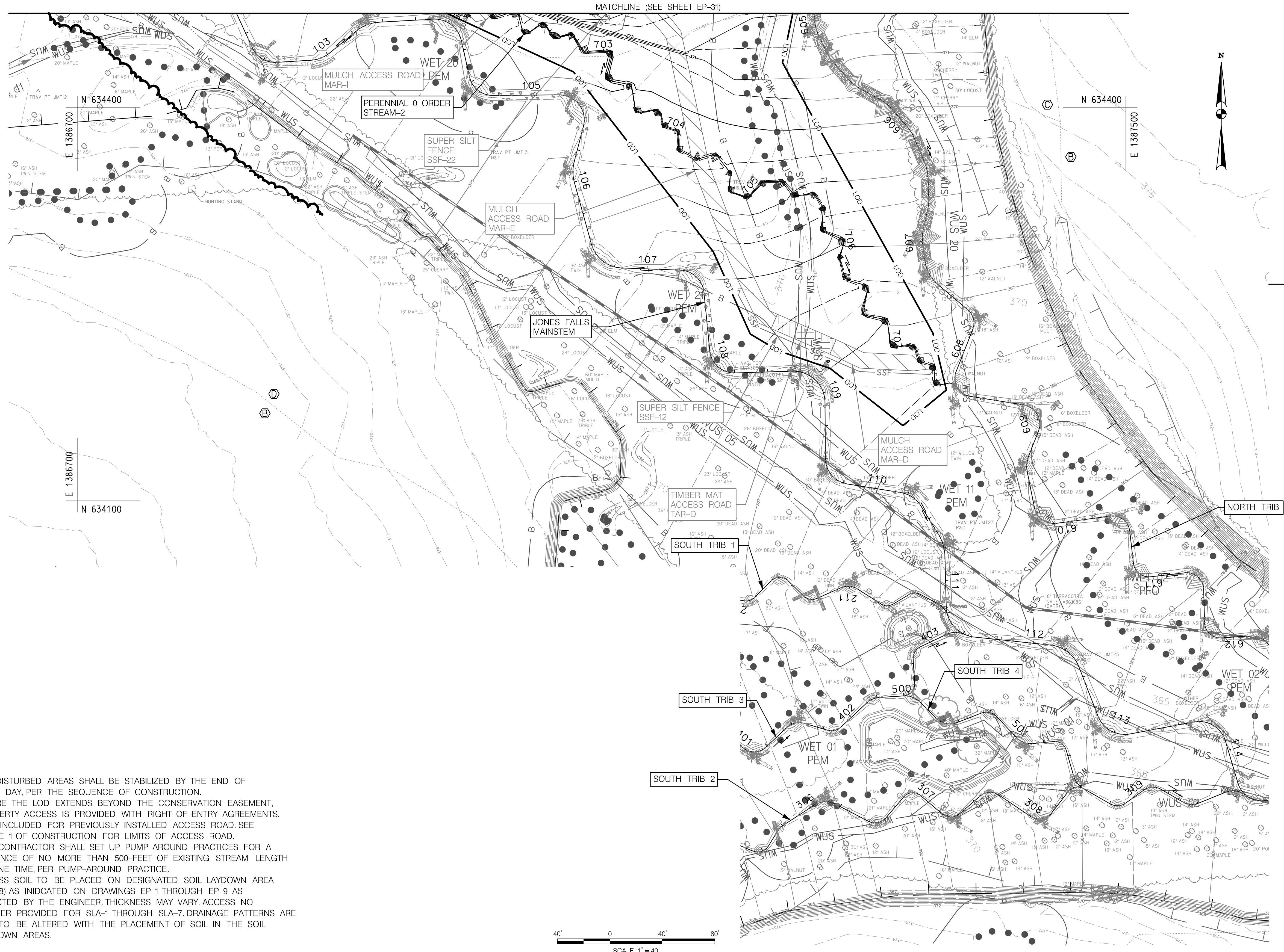
ECCLESTON MITIGATION SITE

REVISIONS
100% SUBMISSION
NOT FOR CONSTRUCTION

EROSION AND SEDIMENT CONTROL PLAN - PHASE 13			
SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO. 17-10977-002	
MDE PROJECT NO. 21-SF-0044		CONTRACT NO. KH-3038-0000	
DESIGNED BY PVC		COUNTY BALTIMORE COUNTY	
DRAWN BY PVC		LOGMILE	
CHECKED BY JJM /MRG		HORIZONTAL SCALE N/A	
F.A.P. NO. N/A		VERTICAL SCALE N/A	
DRAWING NO. EP-29	OF 31	SHEET NO. 79	OF 86

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 Wednesday, April 28, 2021 AT 07:38 AM

SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION



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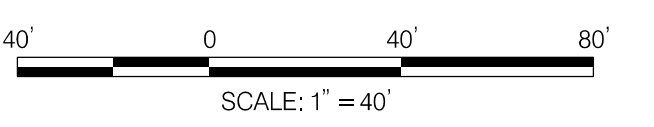
N 634100

N 634400

E 1387500

E 1386700

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OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRACING HWY
 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
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ECCLESTON MITIGATION SITE

REVISIONS
100% SUBMISSION
NOT FOR CONSTRUCTION

EROSION AND SEDIMENT CONTROL PLAN - PHASE 14

SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO. 17-10977-002
MDE PROJECT NO. 21-SF-0044		CONTRACT NO. KH-3038-0000
DESIGNED BY PVC		COUNTY BALTIMORE COUNTY
DRAWN BY PVC		LOGMILE
CHECKED BY JMM /MRG		HORIZONTAL SCALE N/A
F.A.P. NO. N/A		VERTICAL SCALE N/A

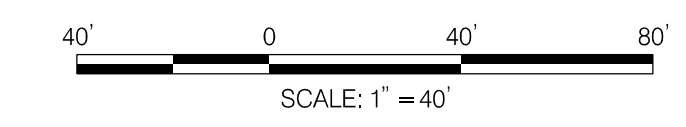
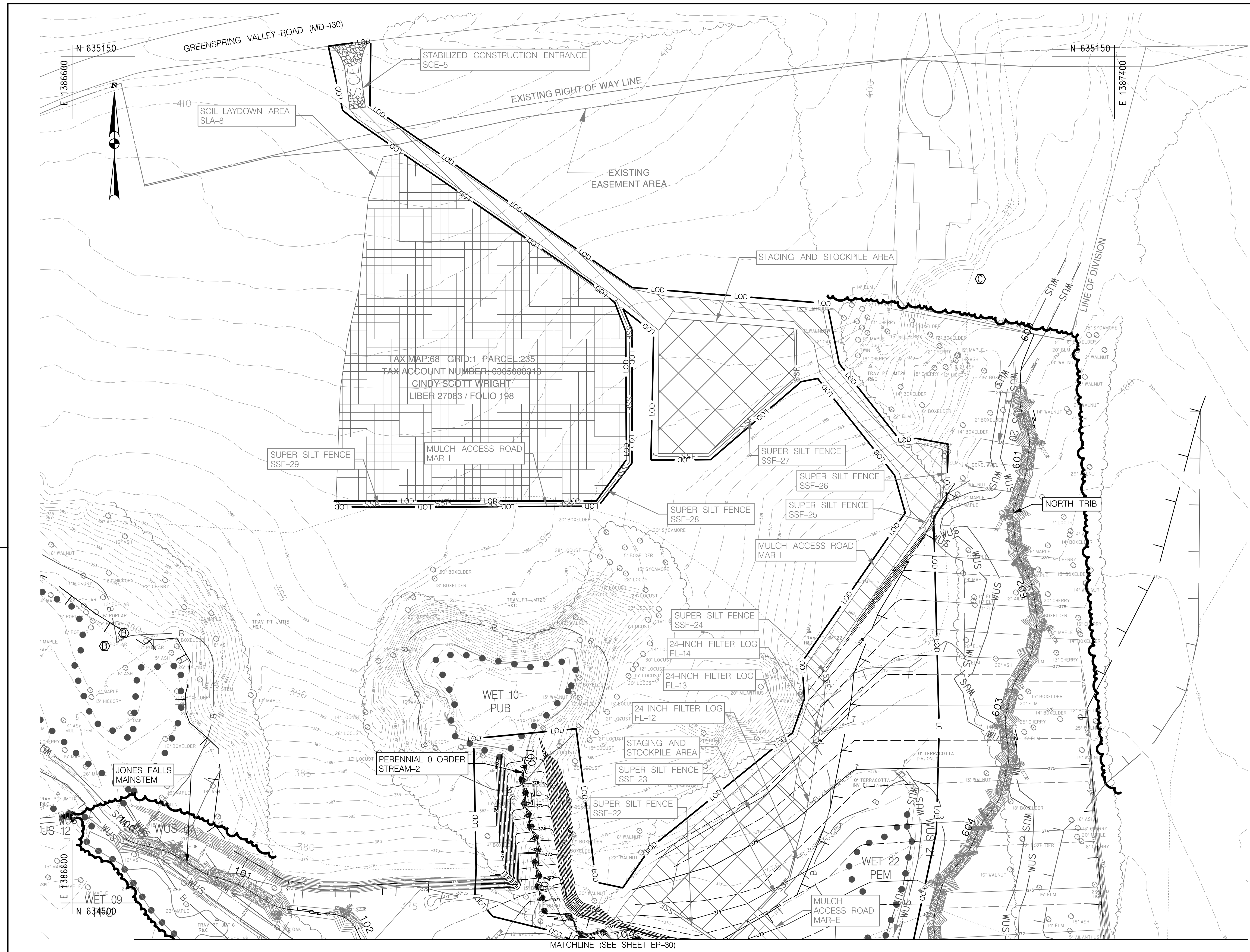
DRAWING NO. **EP-30** OF **31** SHEET NO. 80 OF 86

BY: K. Higgins

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 Wednesday, April 28, 2021 AT 01:31 PM

SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION

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OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
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 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
 OWINGS MILLS, MD 21117

MATCHLINE (SEE SHEET EP-30)

ECCLESTON MITIGATION SITE

DESIGN PROFESSIONAL
 JEREMY KOSER
 JOHNSON, MIRMIRAN & THOMPSON, INC.
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REVISIONS	
100% SUBMISSION	
NOT FOR CONSTRUCTION	

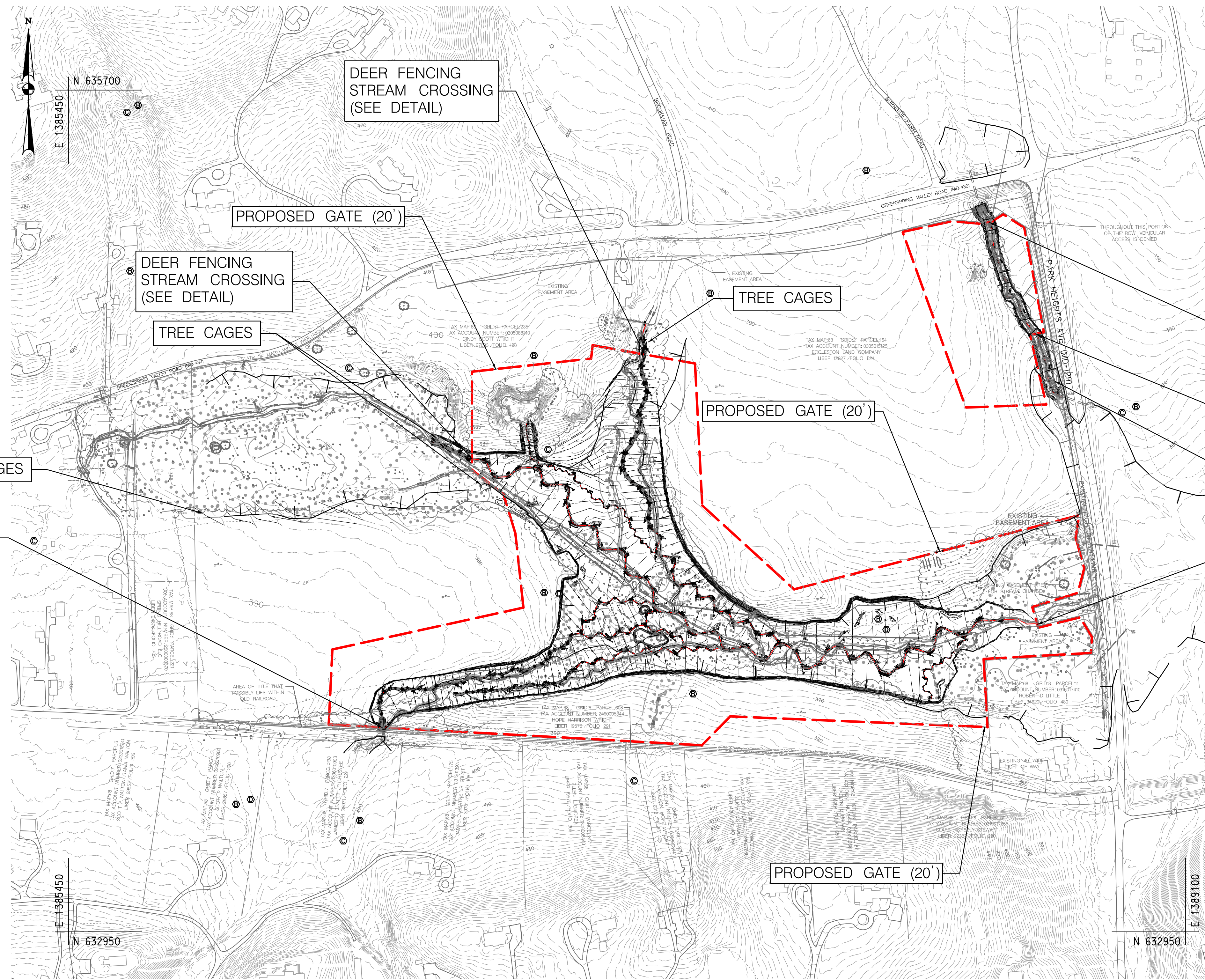
EROSION AND SEDIMENT CONTROL PLAN - PHASE 14

SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO. 17-10977-002
MDE PROJECT NO. 21-SF-0044		CONTRACT NO. KH-3038-0000
DESIGNED BY PVC		COUNTY BALTIMORE COUNTY
DRAWN BY PVC		LOGMILE
CHECKED BY JJM /MRG		HORIZONTAL SCALE N/A
F.A.P. NO. N/A		VERTICAL SCALE N/A
DRAWING NO. EP-31	OF 31	SHEET NO. 81 OF 86



BY: K. Higgins

C:\2017\170977_002_Erosion.PRM_Turnin\CAD\DES_Phase14.dwg Wednesday, April 28, 2021 AT 01:34 PM



DEER FENCING
STREAM CROSSING
(SEE DETAIL)

TREE CAGES

DEER FENCING
STREAM CROSSING
(SEE DETAIL)

TREE CAGES

PROPOSED GATE (20')

DEER FENCING
STREAM CROSSING
(SEE DETAIL)

TREE CAGES

PROPOSED GATE (20')

DEER FENCING
STREAM CROSSING
(SEE DETAIL)

DEER FENCING
STREAM CROSSING
(SEE DETAIL)

TREE CAGES

DEER FENCING
STREAM CROSSING
(SEE DETAIL)

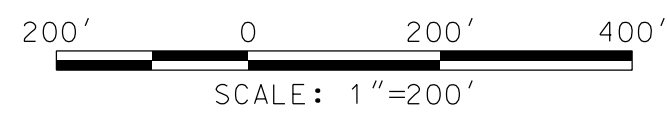
PROPOSED GATE (20')

NOTE:
TREE CAGES TO BE USED FOR PROPOSED
TREE PLANTINGS OUTSIDE OF DEER FENCING.

LEGEND

DEER FENCING

PLAN
SCALE: 1" = 200'



OWNER /DEVELOPER INFORMATION
MARYLAND TRANSPORTATION AUTHORITY
2310 BRIDGING HWY
BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
SW CORNER PARK HEIGHTS AVE
OWINGS MILLS, MD 21117

DEER FENCING LOCATION PLANS

SCALE AS SHOWN	DATE APRIL, 2021	PROJECT NO. 17-10977-002
MDE PROJECT NO. 21-SF-0044		CONTRACT NO. KH-3038-0000
DESIGNED BY PVC		COUNTY BALTIMORE COUNTY
DRAWN BY PVC		LOGMILE
CHECKED BY JJM /MRG		HORIZONTAL SCALE N/A
F.A.P. NO. N/A		VERTICAL SCALE N/A

DRAWING NO. **DF- 1** OF **1** SHEET NO. 82 OF 86

ECCLESTON MITIGATION SITE

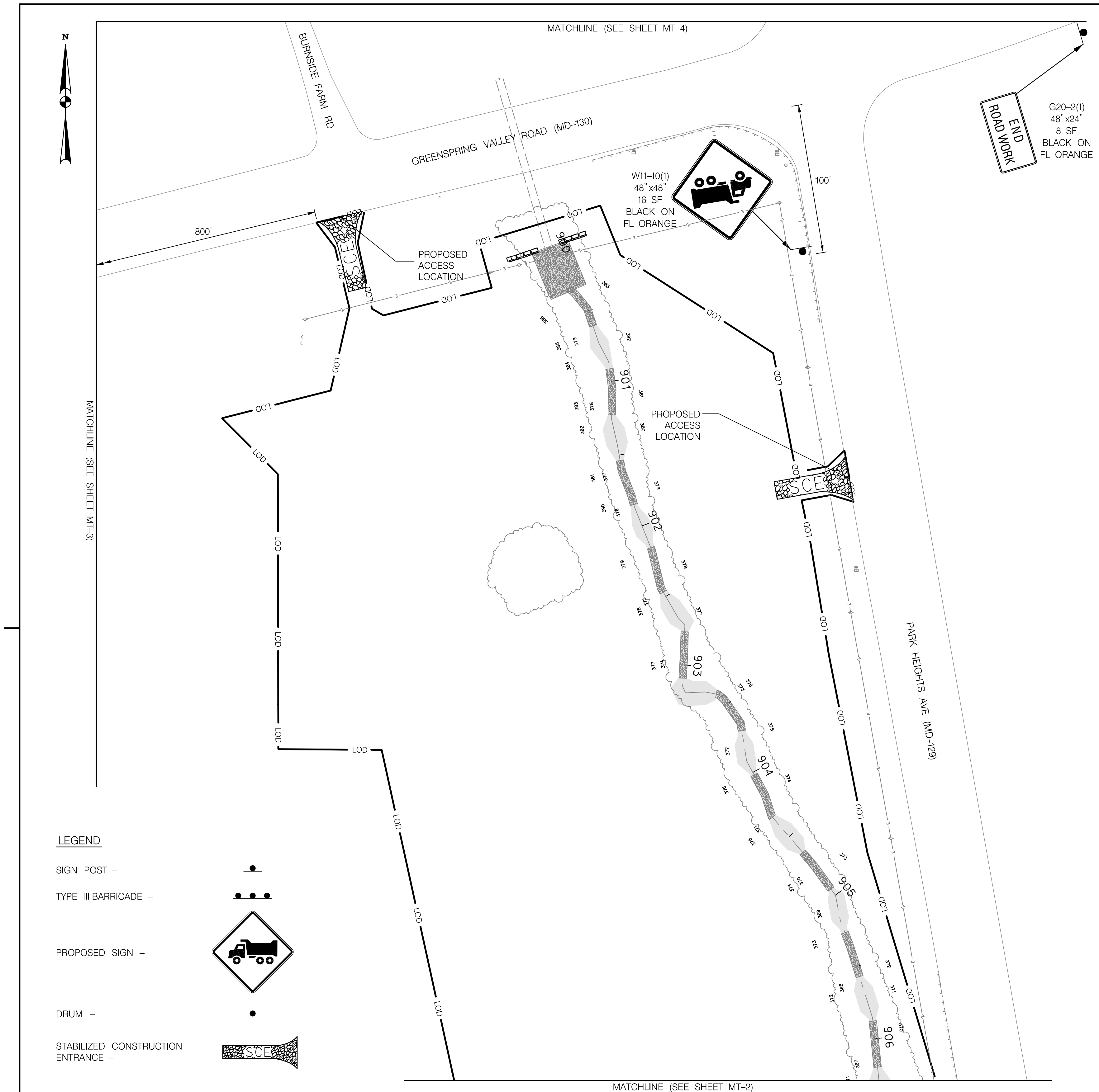
DESIGN PROFESSIONAL
JEREMY KOSER
JOHNSON, MIRIRAN & THOMPSON, INC.
40 WIGHT AVENUE, HUNT VALLEY, MD 21030
TEL: 410-316-2360
EMAIL: JKoser@jmt.com

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31183, EXPIRATION DATE: 1/13/2023.



BY: K Higgins

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SEQUENCE OF MOT CONSTRUCTION

1. INSTALL ALL TRAFFIC CONTROL WARNING SIGNS AS SHOWN IN PLANS.
2. IMPLEMENT ADDITIONAL TRAFFIC CONTROL DEVICES WHEN INSTALLING STABILIZED CONSTRUCTION ENTRANCES. IN DESCENDING ORDER OF PREFERENCE, IMPLEMENT SHOULDER WORK, LANE SHIFT, OR FLAGGING OPERATION AS SITE CONDITIONS ALLOW AND AS SPECIFIED IN THE MD SHA STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES STANDARD NO. 104.02-02, 104.02-04, OR 104.02-10. THIS WORK SHALL BE LIMITED TO OFF-PEAK HOURS FROM 9:00 AM-3:00 PM, UNLESS PERMISSION IS GRANTED BY THE ENGINEER.
3. CONSTRUCT PROJECT ELEMENTS PER THE SEQUENCE OF CONSTRUCTION (DRAWING EN-5).
4. AFTER EACH WORK DAY INSTALL TRAFFIC CONTROL DEVICES AS SHOWN IN THE PROPOSED ACCESS LOCATION DETAIL DEVICES CAN BE SHIFTED OR REMOVED FOR CONSTRUCTION ACCESS.
5. REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND RESTORE PUBLIC SPACE CONDITIONS TO THOSE WHICH EXISTED PRIOR TO WORK ACTIVITY.

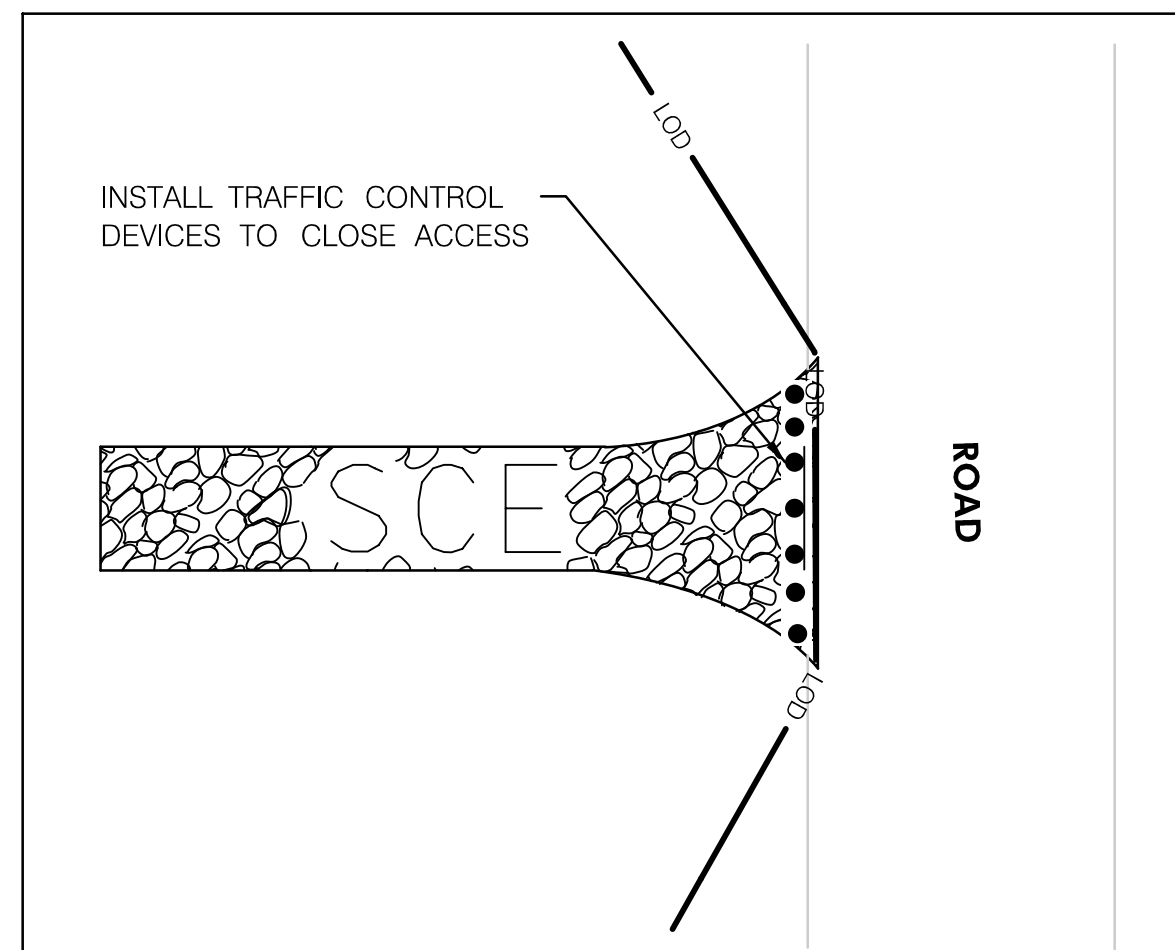
FLAGGING OPERATION

1. FLAGGERS SHALL BE UTILIZED IN ACCORDANCE WITH MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 104.15 AND SECTION 9.0 ON MARYLAND STANDARDS 104.00-11 AND 104.00-12.
2. FLAGGERS SHALL NEVER BE STATIONED MORE THAN 1000 FEET FROM THE ADVANCE FLAGGER SIGN. FLAGGERS SHALL BE INCIDENTAL TO THE MAINTENANCE OF TRAFFIC ITEM.
3. ALL FLAGGERS SHALL BE CERTIFIED BY THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA).

GENERAL NOTES

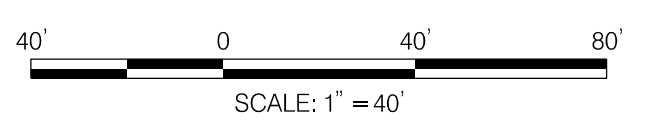
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE MARYLAND STATE HIGHWAY ADMINISTRATION WORK ZONE TRAFFIC CONTROL TYPICALS IN CATEGORY 1 OF THE BOOK OF STANDARDS, THE 2011 MDMUTCD AND SUBSEQUENT REVISIONS ADOPTED BY THE STATE OF MARYLAND, THESE PLANS, AND THE OTHER CONTRACT DOCUMENTS.
2. ALL TEMPORARY TRAFFIC SIGNS SHALL BE INSTALLED IN ACCORDANCE TO MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 104.08.
3. ADVANCE WARNING SIGNS SHALL BE INSTALLED AT A MINIMUM SPACING OF 200 FEET FROM ANY EXISTING SIGN. THE DISTANCES SHOWN ON THE PLANS HAVE BEEN DESIGNED FOR THIS REQUIREMENT AND SHOULD BE ADHERED TO UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. TYPICAL APPLICATIONS TO BE USED FOR OFF-PEAK HOUR WORK MAY BE MODIFIED AS REQUIRED BASED ON FIELD CONDITIONS, AS DIRECTED BY THE ENGINEER.
5. ALL EXISTING SIGNS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION UNLESS A CHANGE IS SHOWN ON THE PLAN AND/OR AS DIRECTED BY THE PROJECT ENGINEER. SIGNS THAT ARE NOT APPLICABLE FOR A PARTICULAR STAGE SHALL BE REMOVED OR COMPLETELY COVERED WITH NON-TRANSPARENT MATERIAL.
6. REFER TO MD STD. NOS. 104.00-06 - 104.00-08, SECTION 4.0 SIGNS, AND MD STD. NOS. 104.01-17A - 104.01-17D FOR TEMPORARY SIGNS AND SUPPORTS.
7. ALL TEMPORARY SIGNING SHALL NOT OBSTRUCT EXISTING TRAFFIC CONTROL DEVICES.
8. CONSTRUCTION & WORKER'S VEHICLES SHALL NOT BE PARKED IN A MANNER THAT WILL IMPEDE TRAFFIC OR IMPAIR SIGHT DISTANCE.
9. ALL VEHICLES IN THE WORK AREA SHALL DISPLAY FLASHING LIGHTS INSTALLED FOR THE PURPOSE OF WARNING APPROACHING DRIVERS OF A VEHICULAR TRAFFIC HAZARD REQUIRING UNUSUAL CARE IN APPROACHING, OVER TAKING OR PASSING. AMBER SERVICE LIGHTS SHALL BE ON UNLESS BEHIND PROTECTIVE BARRIER OR CHANNELIZING DEVICES, SEE MD SHA STANDARDS 104.01-18A AND 104.01-18B.
10. EXCAVATIONS IN AREAS WHERE THE WORK BUFFER IS LESS THAN 10' SHALL BE BACKFILLED WITH GRADED AGGREGATE BASE FOR MOT PRIOR TO THE END OF THE WORK DAY IN CONFORMANCE WITH STD. NO. MD 104.01-28.
11. CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED OFF THE PUBLIC RIGHT-OF-WAY. EQUIPMENT AND MATERIALS SHALL BE OUTSIDE OF THE CLEAR ZONE OR BEHIND BARRIER AT ALL TIMES AS APPROVED BY THE ENGINEER.
12. MDTA SHALL BE NOTIFIED 24 HOURS PRIOR TO ANY WORK.
13. THESE TRAFFIC CONTROL PLANS ARE THE MINIMUM REQUIREMENT FOR THE FOR THE CONDITION SET FORTH, THE ENGINEER MAY REQUIRE ADDITIONAL TRAFFIC CONTROL MEASURES AS DEEMED NECESSARY, ANY CHANGES TO THE TCP SHALL BE SUBMITTED TO MDTA FOR REVIEW AND APPROVAL.
14. MDTA RESERVES THE RIGHT TO MODIFY OR ADJUST THE PLAN TO FIT SITE CONDITIONS AT ANY TIME.

PROPOSED ACCESS LOCATION DETAIL NOT TO SCALE



LEGEND

- SIGN POST - [Symbol]
- TYPE III BARRICADE - [Symbol]
- PROPOSED SIGN - [Symbol]
- DRUM - [Symbol]
- STABILIZED CONSTRUCTION ENTRANCE - [Symbol]



OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRIDGING HWY
 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
 OWINGS MILLS, MD 21117

MAINTENANCE OF TRAFFIC PLAN

SCALE AS SHOWN	DATE APRIL 2021	PROJECT NO. 17-10977-002
MDE PROJECT NO. 21-SF-0044		CONTRACT NO. KH-3038-0000
DESIGNED BY DJD	COUNTY BALTIMORE COUNTY	
DRAWN BY DJD	LOGMILE	
CHECKED BY JMC	HORIZONTAL SCALE N/A	
F.A.P. NO. N/A	VERTICAL SCALE N/A	

DRAWING NO. **MT-1** OF **4** SHEET NO. 83 OF 86

ECCLESTON MITIGATION SITE

DESIGN PROFESSIONAL
 JEREMY KOSER
 JOHNSON MIRMIRAN & THOMPSON INC.
 40 WIGHT AVENUE, HUNT VALLEY, MD 21030
 TEL: 410-316-2360
 EMAIL: JKoser@jmt.com

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31183, EXPIRATION DATE: 1/13/2023.



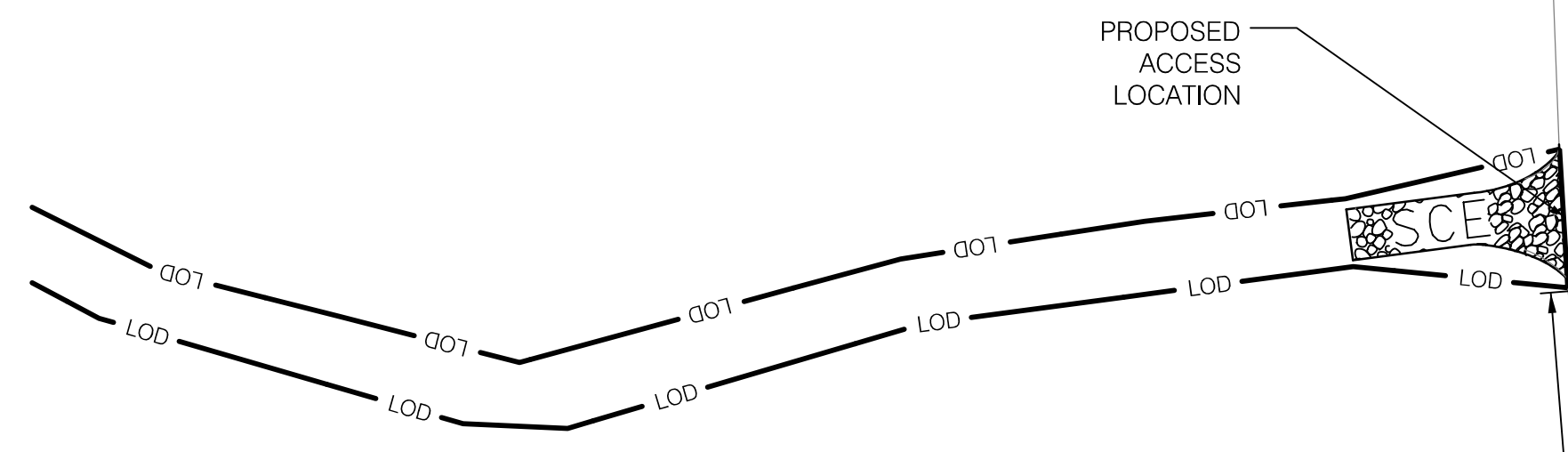
BY: barranger -

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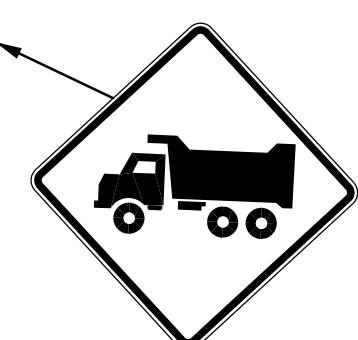
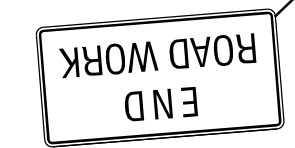


MATCHLINE (SEE RIGHT)

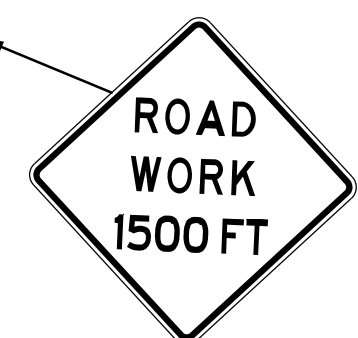
PARK HEIGHTS AVE (MD-129)



G20-2(1)
48" x 24"
8 SF
BLACK ON
FL ORANGE



W11-10(1)
48" x 48"
16 SF
BLACK ON
FL ORANGE



W20-1(1)
48" x 48"
16 SF
BLACK ON
FL ORANGE

LEGEND

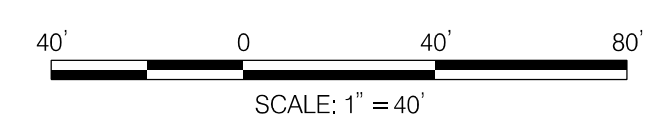
SIGN POST -

TYPE III BARRICADE -

PROPOSED SIGN -

DRUM -

STABILIZED CONSTRUCTION ENTRANCE -



DESIGN PROFESSIONAL
JEREMY KOSEK
JOHNSON, MIRIRAN & THOMPSON, INC.
40 WIGHT AVENUE, HUNT VALLEY, MD 21030
TEL: 410-316-2360
EMAIL: JKoser@jmt.com

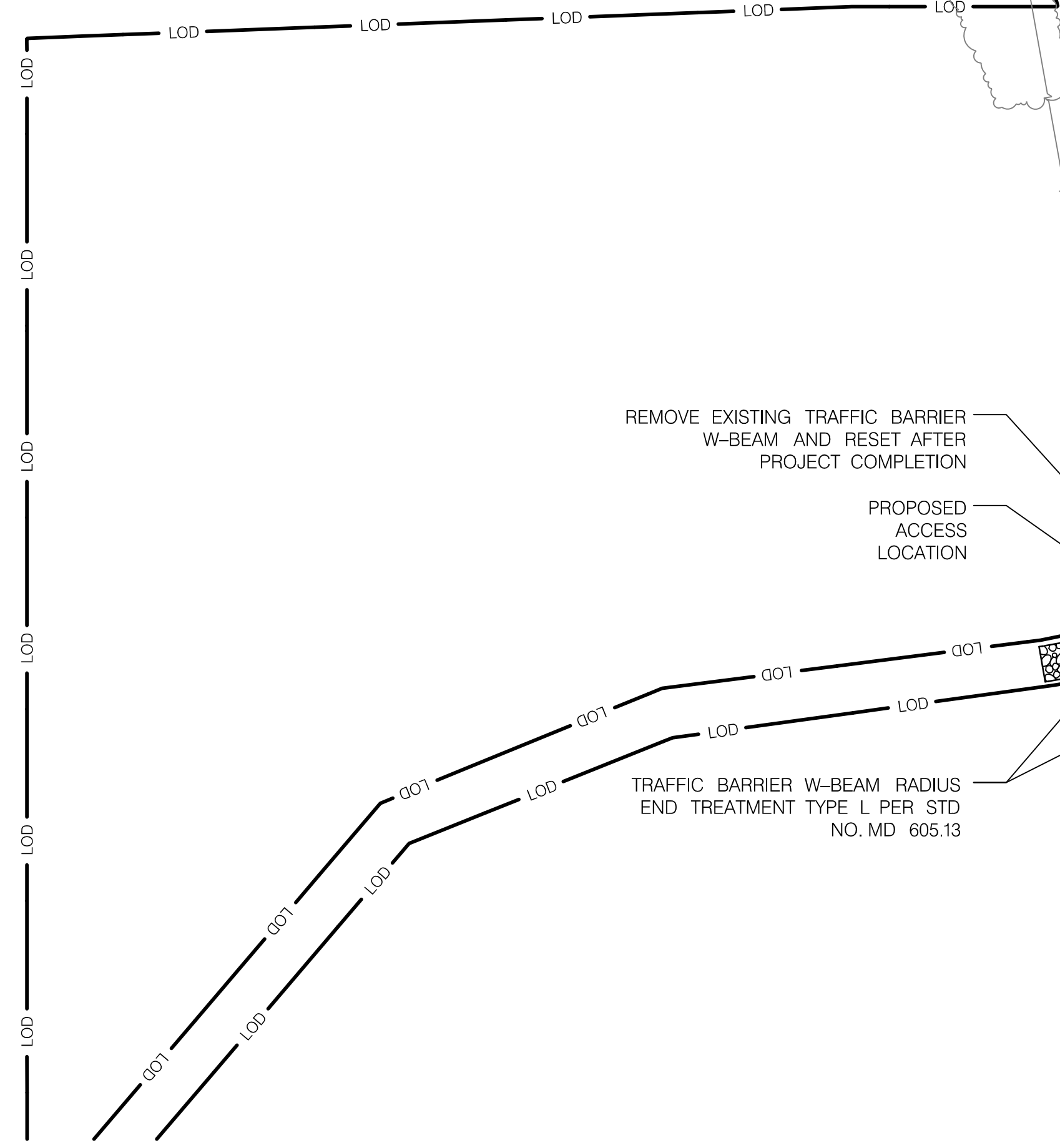
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ECCLESTON MITIGATION SITE



MATCHLINE (SEE SHEET MT-1)

PARK HEIGHTS AVE (MD-129)



REMOVE EXISTING TRAFFIC BARRIER
W-BEAM AND RESET AFTER
PROJECT COMPLETION

PROPOSED
ACCESS
LOCATION

TRAFFIC BARRIER W-BEAM RADIUS
END TREATMENT TYPE L PER STD
NO. MD 605.13

MATCHLINE (SEE LEFT)

OWNER /DEVELOPER INFORMATION
MARYLAND TRANSPORTATION AUTHORITY
2310 BRIDGING HWY
BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88

GREENSPRING VALLEY ROAD
SW CORNER PARK HEIGHTS AVE
OWINGS MILLS, MD 21117

MAINTENANCE OF TRAFFIC PLAN

REVISIONS

100%
SUBMISSION

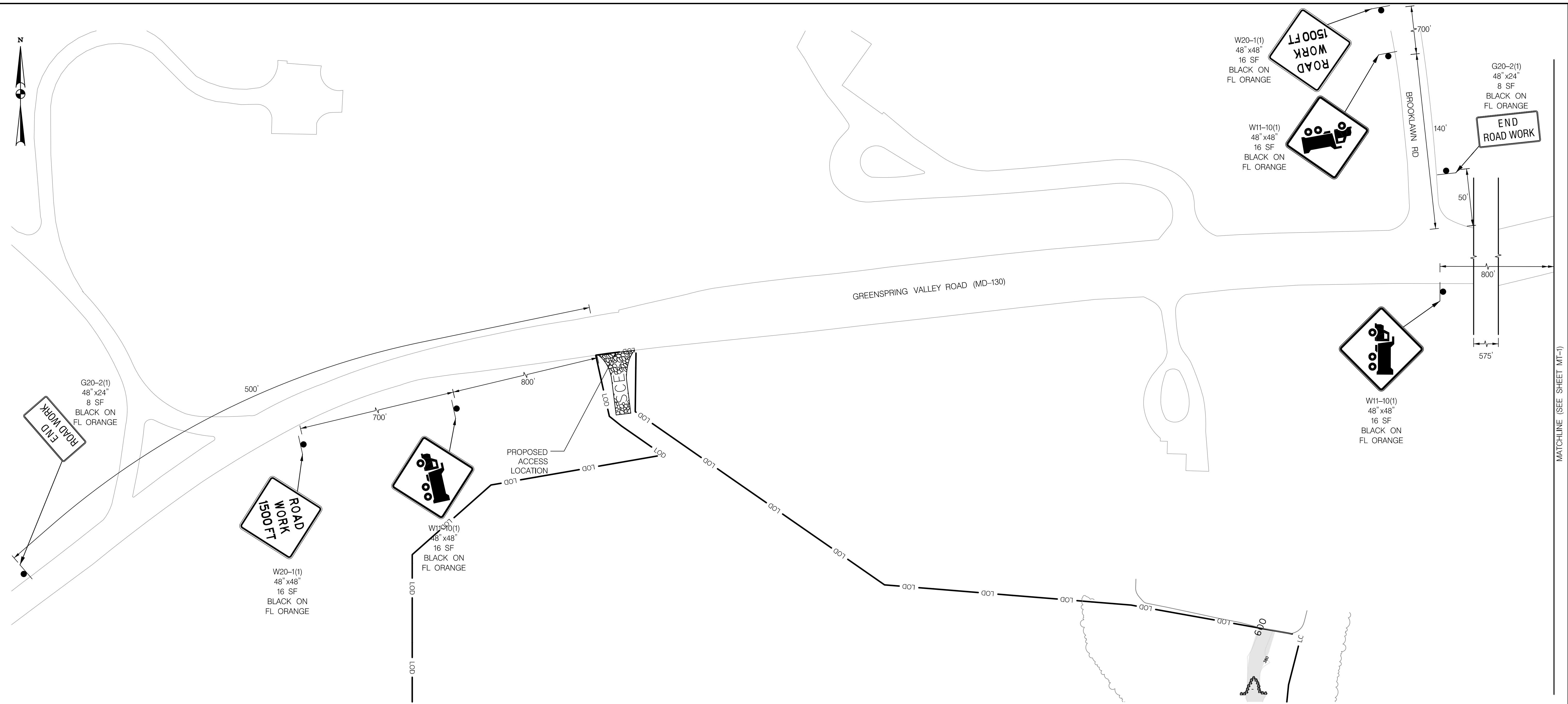
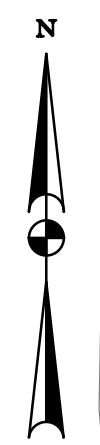
NOT FOR
CONSTRUCTION

SCALE AS SHOWN DATE APRIL, 2021 PROJECT NO. 17-10977-002
MDE PROJECT NO. 21-SF-0044 CONTRACT NO. KH-3038-0000
DESIGNED BY DJD COUNTY BALTIMORE COUNTY
DRAWN BY DJD LOGMILE
CHECKED BY JMC HORIZONTAL SCALE N/A
F.A.P. NO. N/A VERTICAL SCALE N/A

DRAWING NO. MT-2 OF 4 SHEET NO. 84 OF 86

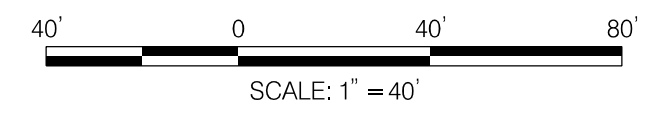
BY: barranger -

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Wednesday, April 28, 2021 AT 07:40 AM



LEGEND

SIGN POST -	
TYPE III BARRICADE -	
PROPOSED SIGN -	
DRUM -	
STABILIZED CONSTRUCTION ENTRANCE -	



	DESIGN PROFESSIONAL
	JEREMY KOSER JOHNSON, MIRMAN & THOMPSON, INC. 40 WIGHT AVENUE, HUNT VALLEY, MD 21030 TEL: 410-316-2360 EMAIL: JKoser@jmt.com
	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31183, EXPIRATION DATE: 1/13/2023.

ECCLESTON MITIGATION SITE

REVISIONS
100% SUBMISSION
NOT FOR CONSTRUCTION

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88	
GREENSPRING VALLEY ROAD SW CORNER PARK HEIGHTS AVE OWINGS MILLS, MD 21117	
MAINTENANCE OF TRAFFIC PLAN	
SCALE AS SHOWN	DATE APRIL, 2021
MDE PROJECT NO. 21-SF-0044	PROJECT NO. 17-10977-002
DESIGNED BY DJD	COUNTY BALTIMORE COUNTY
DRAWN BY DJD	LOGMILE
CHECKED BY JMC	HORIZONTAL SCALE N/A
F.A.P. NO. N/A	VERTICAL SCALE N/A
DRAWING NO. MT-3 OF 4	SHEET NO. 85 OF 86

BY: barranger -

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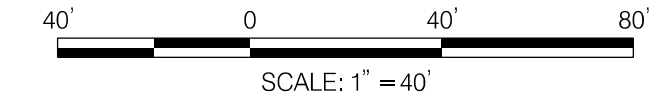


LEGEND

- SIGN POST -
- TYPE III BARRICADE -
- PROPOSED SIGN -
- DRUM -
- STABILIZED CONSTRUCTION ENTRANCE -

OWNER / DEVELOPER INFORMATION
 MARYLAND TRANSPORTATION AUTHORITY
 2310 BRONING HWY
 BALTIMORE, MD 21224

MARYLAND COORDINATE SYSTEM - HOR. NAD 8391 MD STATE PLANE VERT. NAVD 88
 GREENSPRING VALLEY ROAD
 SW CORNER PARK HEIGHTS AVE
 OWINGS MILLS, MD 21117



MATCHLINE (SEE SHEET MT-1)

DESIGN PROFESSIONAL
 JEREMY KOSER
 JOHNSON, MIRMIRAN & THOMPSON, INC.
 40 WIGHT AVENUE, HUNT VALLEY, MD 21030
 TEL: 410-316-2360
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ECCLESTON MITIGATION SITE

REVISIONS
100% SUBMISSION
NOT FOR CONSTRUCTION

MAINTENANCE OF TRAFFIC PLAN			
SCALE AS SHOWN	DATE APRIL, 2021	PROJECT NO. 17-10977-002	
MDE PROJECT NO. 21-SF-0044		CONTRACT NO. KH-3038-0000	
DESIGNED BY DJD		COUNTY BALTIMORE COUNTY	
DRAWN BY DJD		LOGMILE	
CHECKED BY JMC		HORIZONTAL SCALE N/A	
F.A.P. NO. N/A		VERTICAL SCALE N/A	
DRAWING NO. MT-4	OF 4	SHEET NO. 86	OF 86



BY: barranger -

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Wednesday, April 28, 2021 AT 07:21 AM