

BUCKEYE XO, LLC

# BUCKEYE YARD STREAM CORRIDOR PROTECTION ZONE REFORESTATION PLANS

STATE OF OHIO, FRANKLIN COUNTY  
CITY OF COLUMBUS  
2022

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UPPER PORTION OF EXISTING STREAM 11



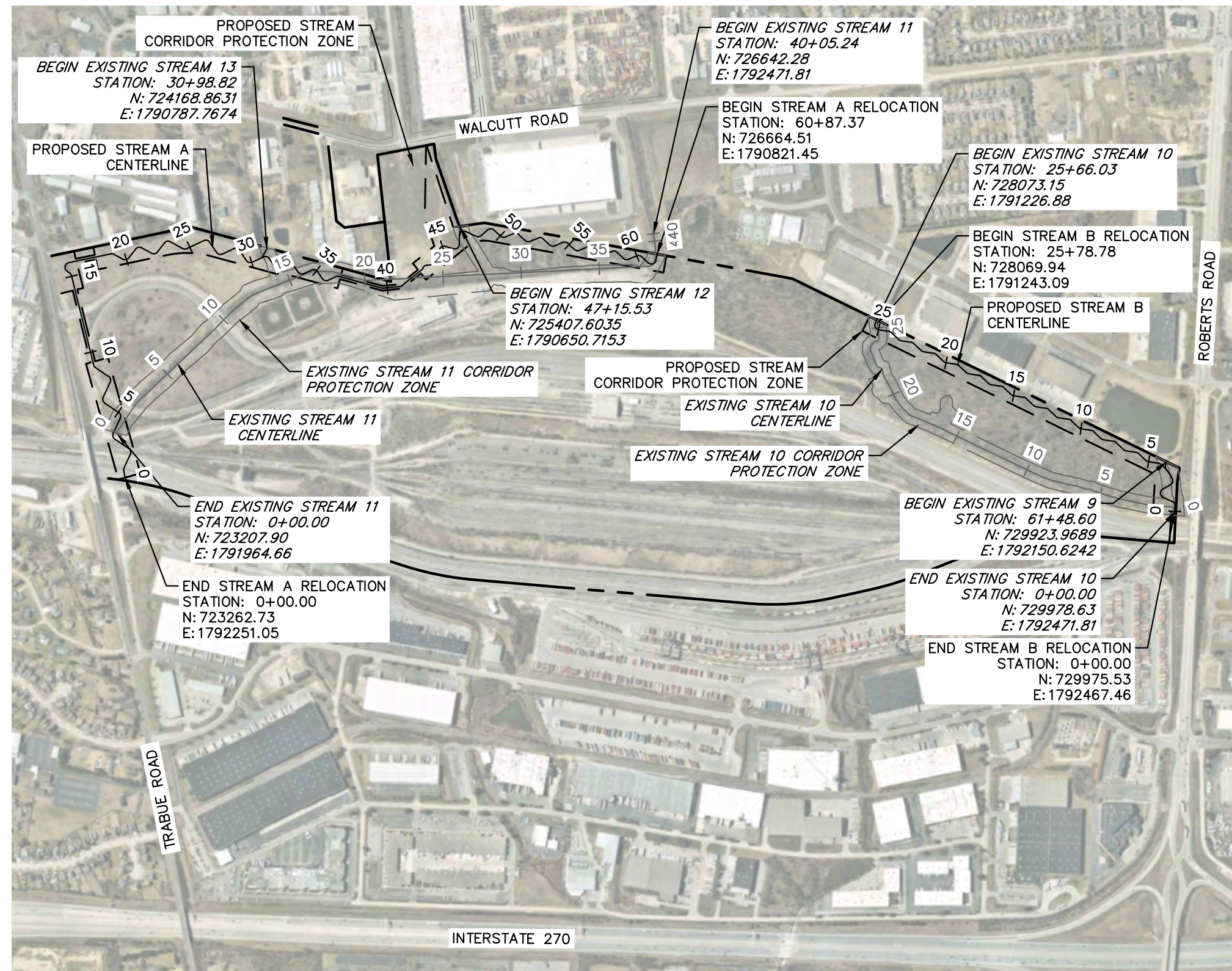
LOWER PORTION OF EXISTING STREAM 11



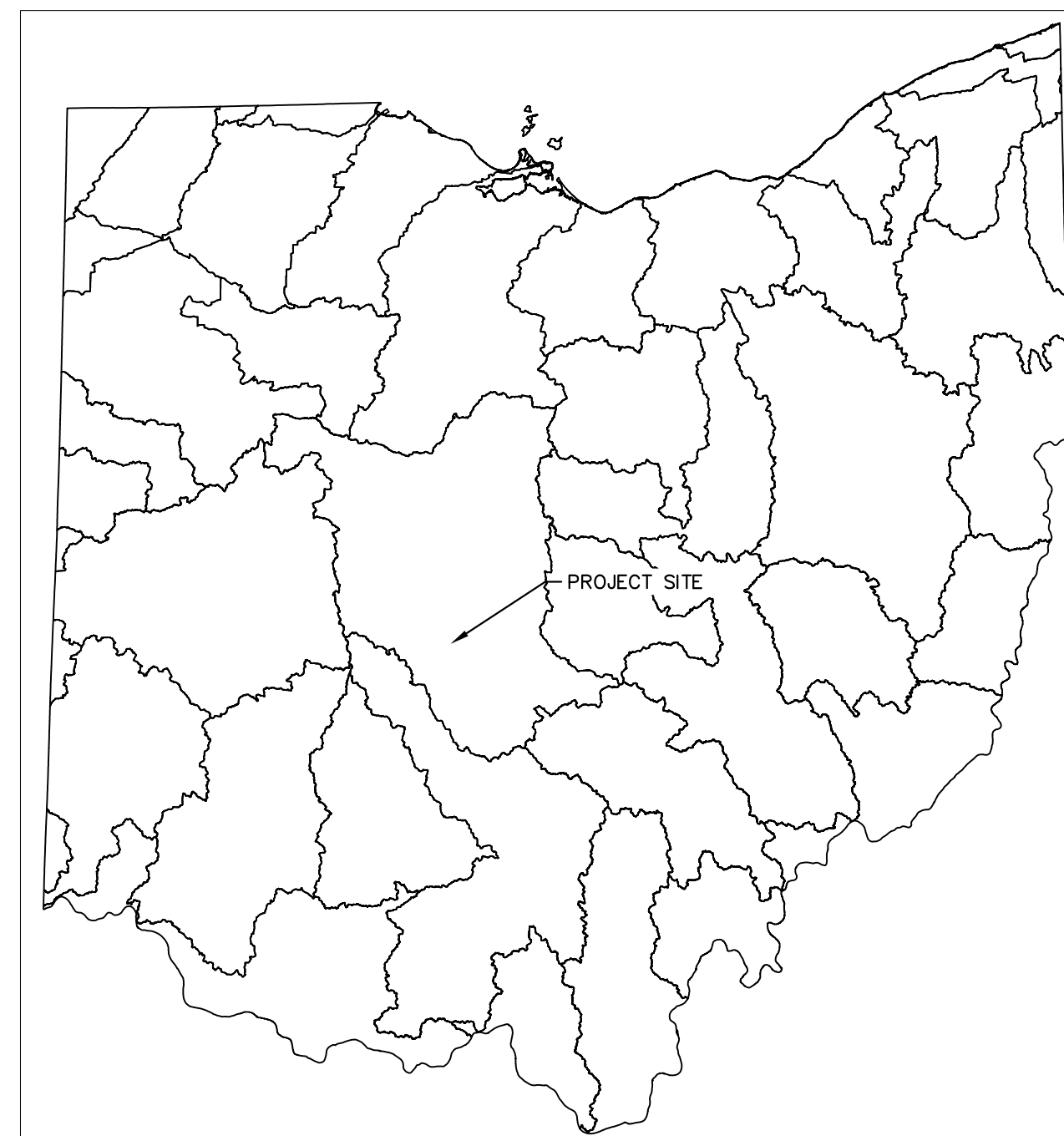
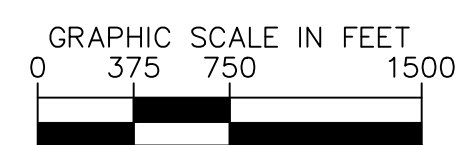
UPPER PORTION OF EXISTING STREAM 10



LOWER PORTION OF EXISTING STREAM 10



SITE LOCATION MAP



USGS 8-DIGIT HUC BOUNDARY MAP

UPPER SCIOTO  
HUC ID: 05060001  
NOT TO SCALE



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PHONE: 614-472-8646  
WWW.KIMLEY-HORN.COM

SCALE:  
DESIGNED BY: MCS  
DRAWN BY: MCS  
CHECKED BY: JMM

COVER SHEET

STREAM CORRIDOR PROTECTION ZONE  
REFORESTATION PLANS  
**BUCKEYE YARD**  
CITY OF COLUMBUS, FRANKLIN COUNTY, OH

ORIGINAL ISSUE:  
06/13/2022

KHA PROJECT NO.  
190118000

SHEET NUMBER

EC0.0

## PROJECT TEAM

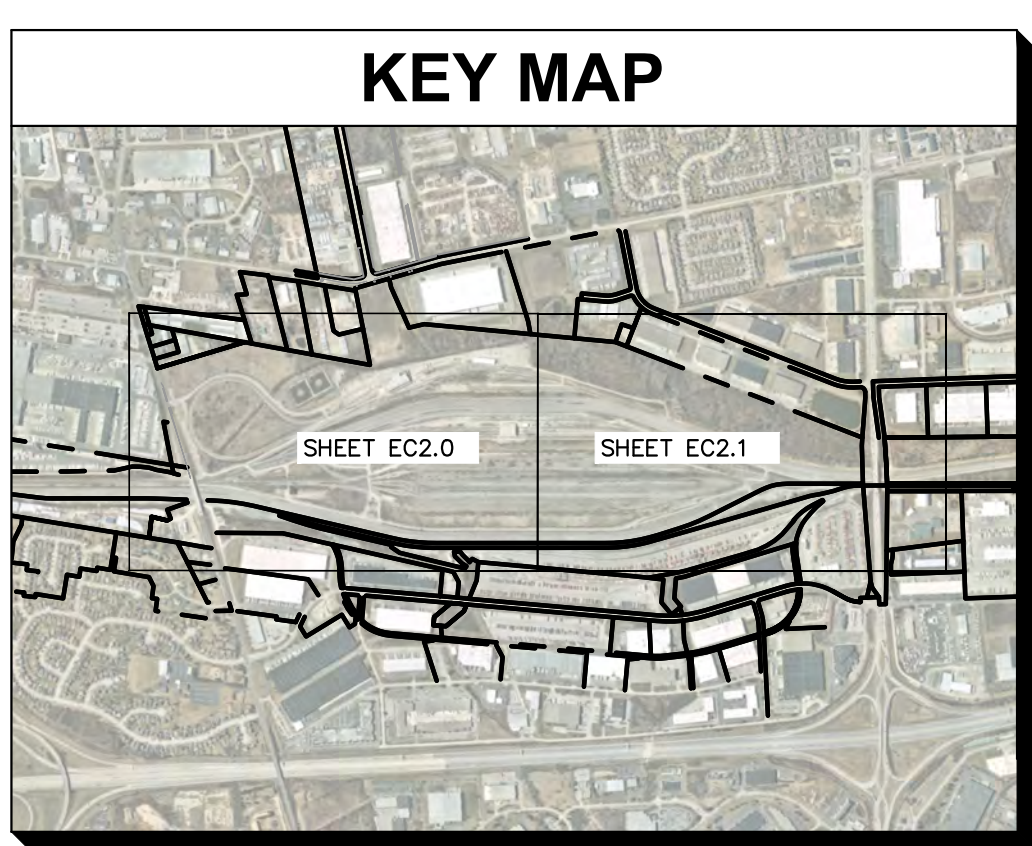
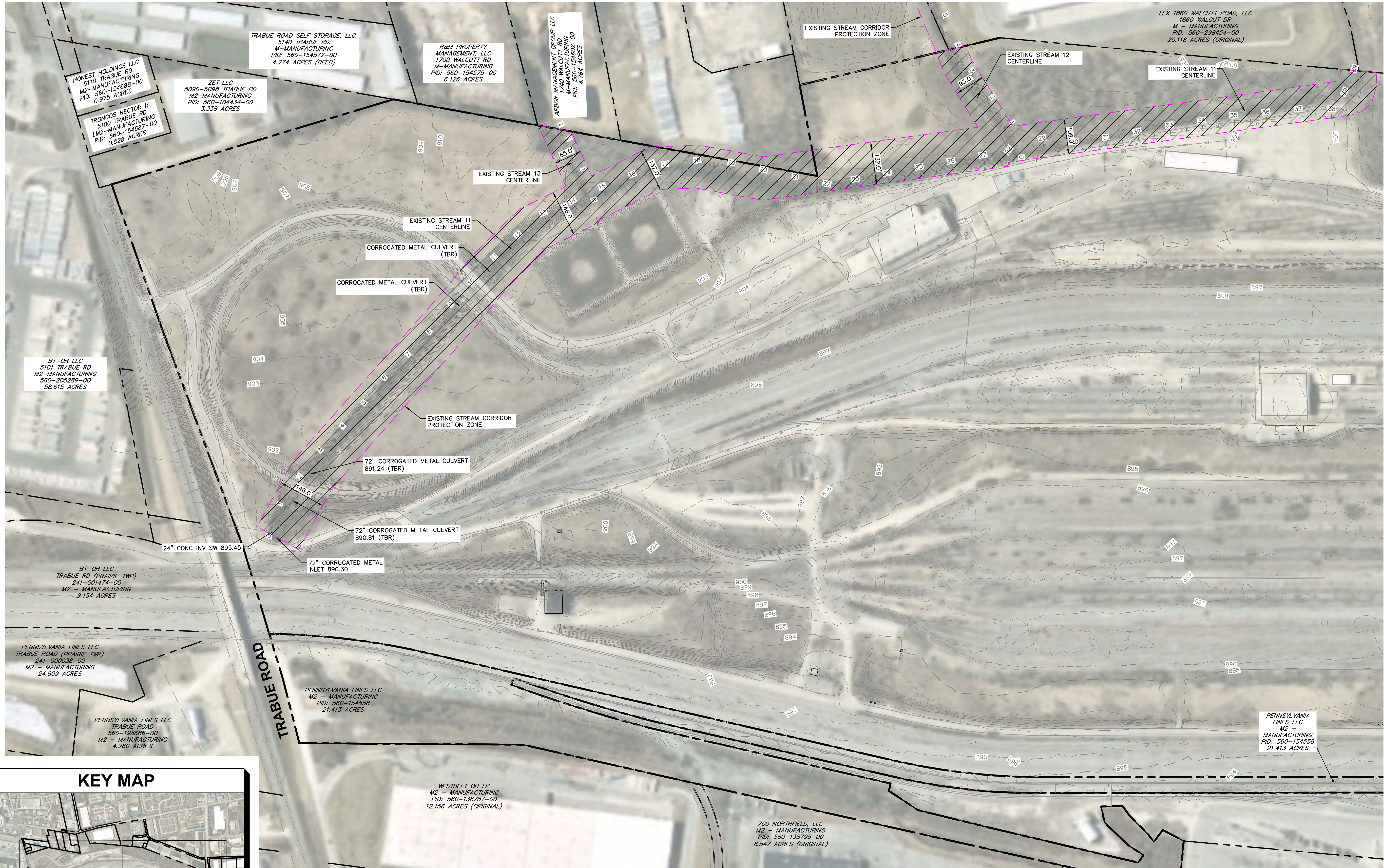
DEVELOPER/OWNER  
BUCKEYE XO, LLC  
2100 ROSS AVE, STE. 895  
DALLAS, TX 75201  
TEL: (214) 883-0269  
CONTACT: DAVIS BITTNER  
EMAIL: DAVISB@XEBEALTY.COM

CIVIL ENGINEER  
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7965 NORTH HIGH STREET, SUITE 200  
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TEL: (614) 454-6696  
CONTACT: JUSTIN MULLER, P.E.  
EMAIL: JUSTIN.MULLER@KIMLEY-HORN.COM

Drawing name: K:\CIB\LDEA\190118000\_04\2\_Design\CAD\PlanSheets\9\_StreamReforestation\COVER SHEET.dwg Layout1 Jun 14, 2022 1:11pm by: Colin Rivera  
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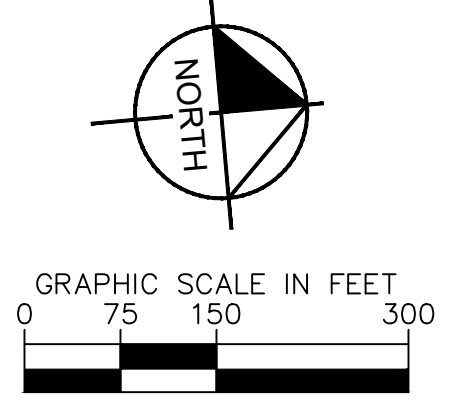


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**LEGEND**

- |           |                        |                                 |                        |                                       |  |
|-----------|------------------------|---------------------------------|------------------------|---------------------------------------|--|
| ---       | EXISTING PROPERTY LINE | ---                             | EXISTING PAVEMENT      | ▨                                     | LIMITS OF TREES TO BE REMOVED            |
| - - -     | EXISTING RIGHT OF WAY  | — W — W — W — W — W — W —       | EXISTING WATER LINE    | — GAS — GAS — GAS — GAS — GAS — GAS — | EXISTING GAS LINE                        |
| - · - · - | EXISTING EASEMENT      | — — — — —                       | EXISTING OVERHEAD LINE | — — — — —                             | EXISTING ELECTRIC                        |
| — — — — — | EXISTING PAVEMENT      | — ST — ST — ST — ST — ST — ST — | EXISTING CENTERLINE    | — — — — —                             | EXISTING STORM                           |
| — · — · — | EXISTING CENTERLINE    | — SAN — SAN — SAN — SAN —       | EXISTING STORM         | ---                                   | EXISTING STREAM CORRIDOR PROTECTION ZONE |
| — · — · — | EXISTING STORM         |                                 |                        |                                       |  |
| — · — · — | EXISTING SANITARY      |                                 |                        |                                       |  |



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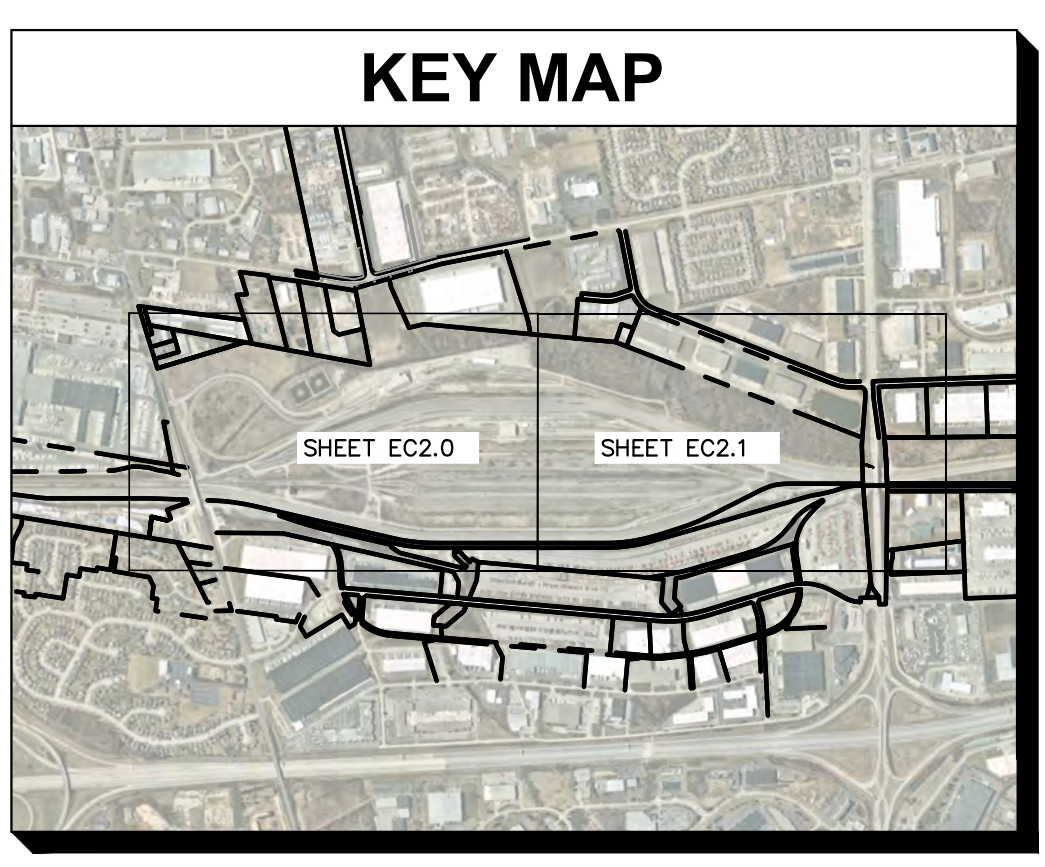
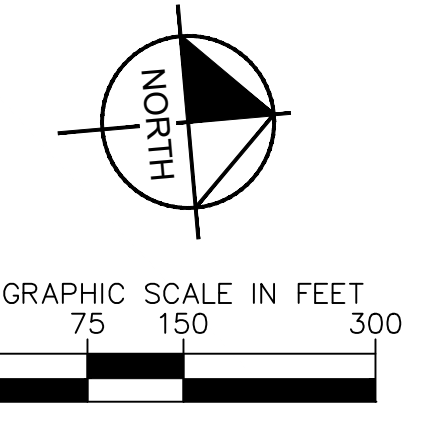
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**EXISTING  
 CONDITIONS AND  
 TREE REMOVAL  
 PLAN**

STREAM CORRIDOR PROTECTION ZONE  
 RESTORATION PLANS  
**BUCKEYE YARD**  
 CITY OF COLUMBUS, FRANKLIN COUNTY, OH

ORIGINAL ISSUE:  
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 KHA PROJECT NO.  
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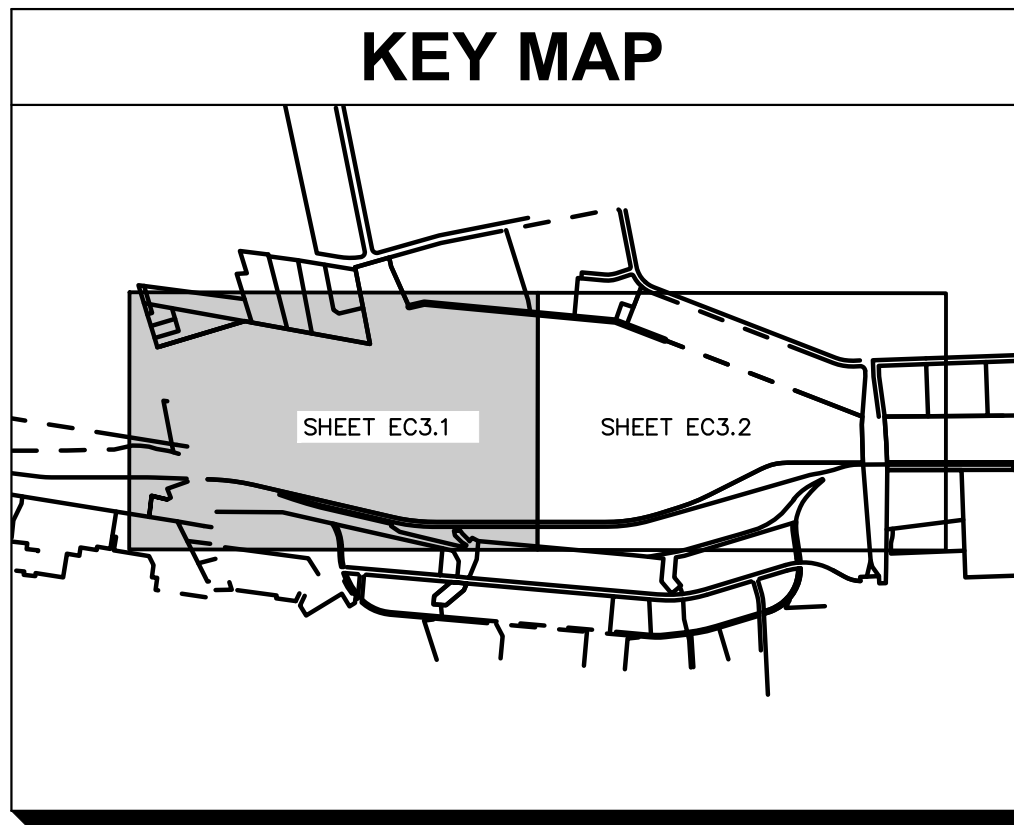
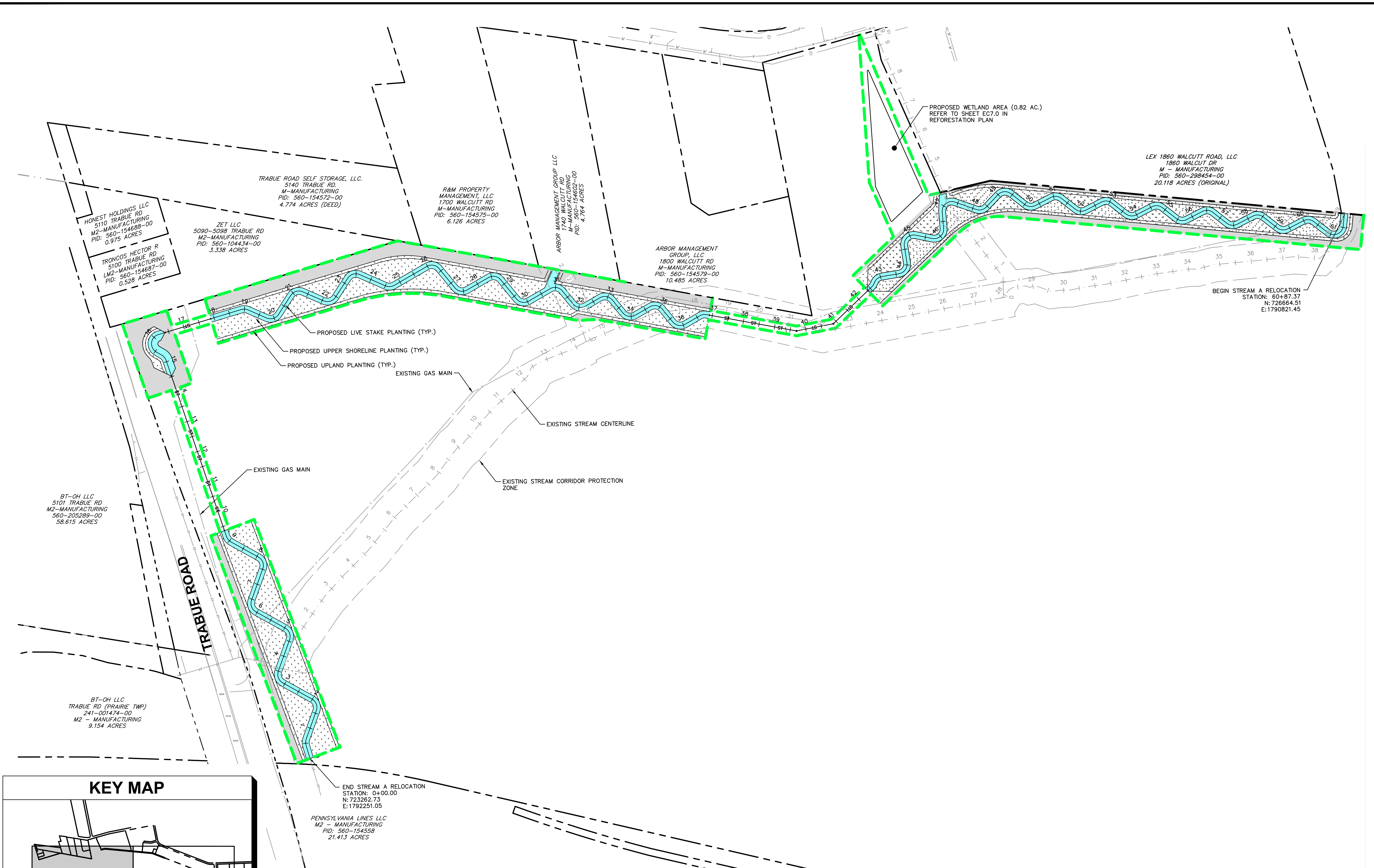
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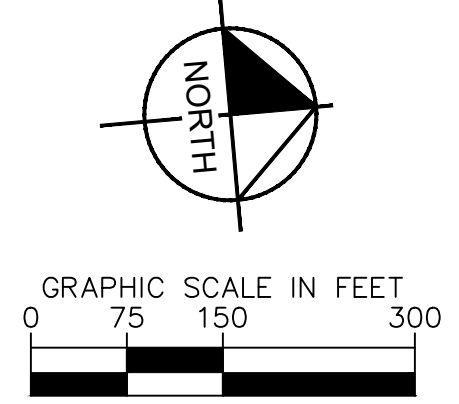
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	EXISTING PROPERTY LINE
	EXISTING RIGHT OF WAY
	EXISTING EASEMENT
	EXISTING PAVEMENT
	EXISTING CENTERLINE
	EXISTING STORM
	EXISTING SANITARY
	EXISTING WATER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD LINE
	EXISTING ELECTRIC
	EXISTING STREAM CORRIDOR PROTECTION ZONE
	LIMITS OF TREES TO BE REMOVED

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DRAWN BY: MCS	DATE: _____
SCALE:	BY: _____
<b>EXISTING CONDITIONS AND TREE REMOVAL PLAN</b>	
<b>STREAM CORRIDOR PROTECTION ZONE REFORESTATION PLANS BUCKEYE YARD</b>	
CITY OF COLUMBUS, FRANKLIN COUNTY, OH	
ORIGINAL ISSUE: 06/13/2022	
KHA PROJECT NO. 190118000	
SHEET NUMBER	
<b>EC2.1</b>	

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LEGEND					
	EXISTING PROPERTY LINE		EXISTING WATER LINE		PROPOSED STREAM CORRIDOR PROTECTION LIMITS
	EXISTING RIGHT OF WAY		EXISTING GAS LINE		LIVE STAKE PLANTING (3.88 AC.)
	EXISTING EASEMENT		EXISTING OVERHEAD LINE		UPPER SHORELINE PLANTING (11.56 AC.)
	EXISTING PAVEMENT		EXISTING ELECTRIC		UPLAND PLANTING (5.99 AC.)
	EXISTING CENTERLINE		PROPOSED RIGHT-OF-WAY		
	EXISTING STORM		PROPOSED STORM		
	EXISTING SANITARY				



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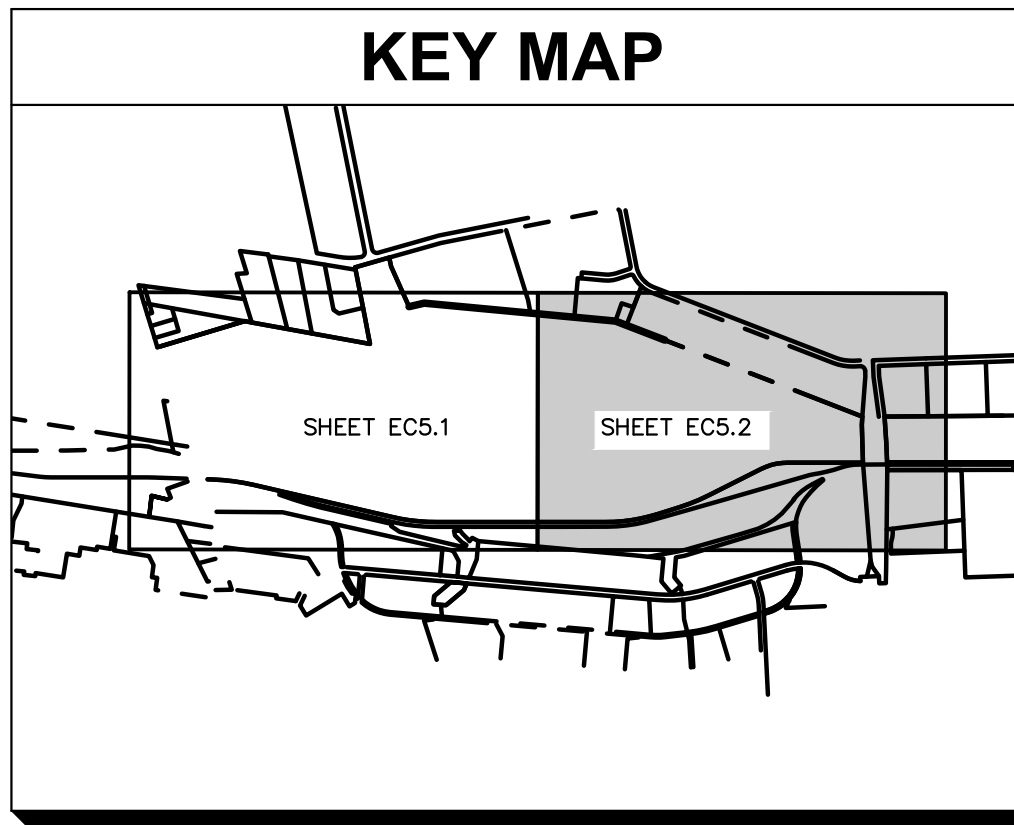
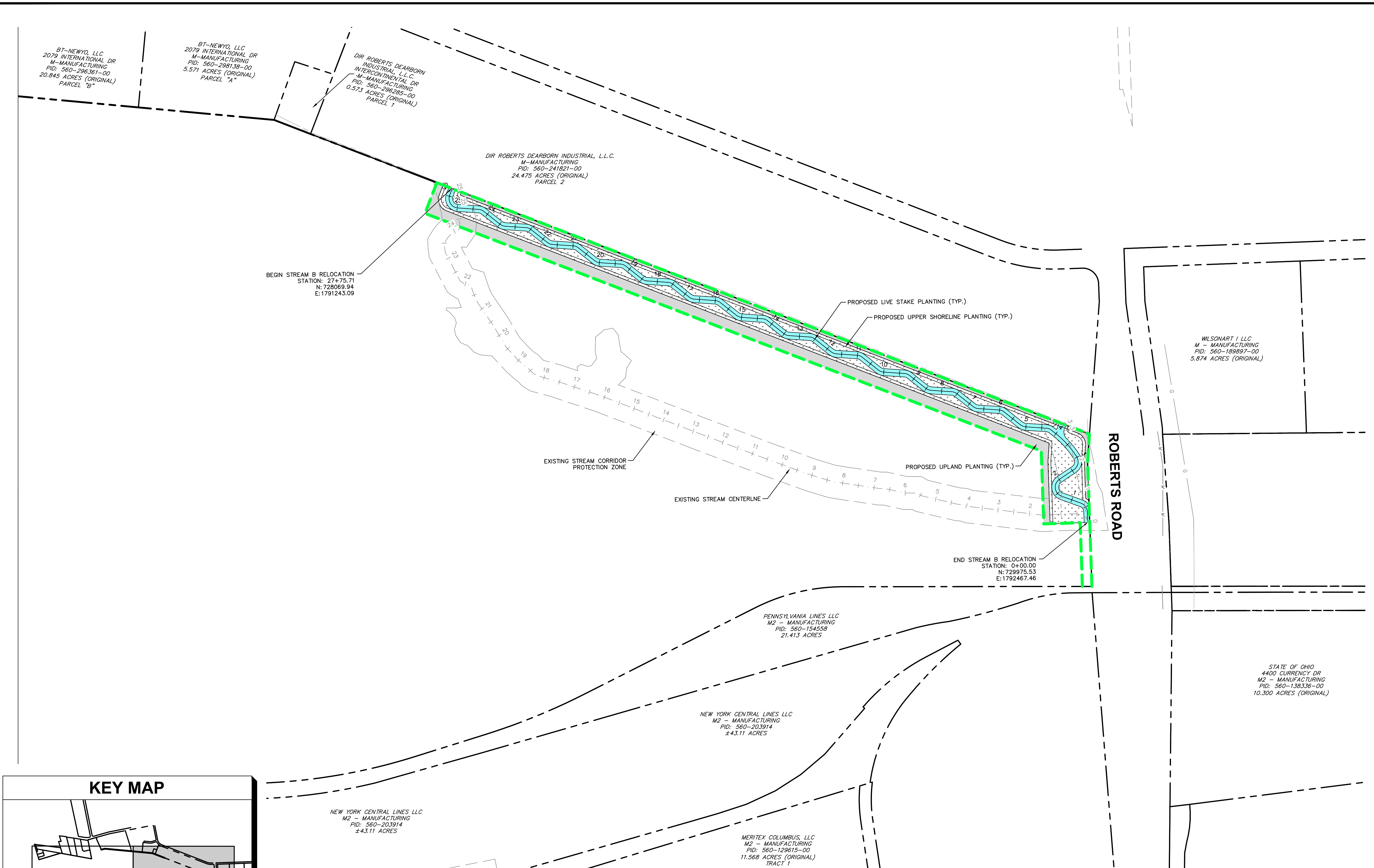
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 DRAWN BY: MCS  
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## PLANTING PLAN OVERVIEW

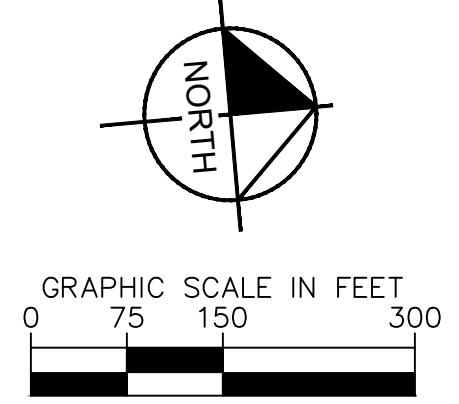
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 REFORESTATION PLANS  
**BUCKEYE YARD**  
 CITY OF COLUMBUS, FRANKLIN COUNTY, OH

ORIGINAL ISSUE:  
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**EC3.0**

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	EXISTING PROPERTY LINE		EXISTING WATER LINE		PROPOSED STREAM CORRIDOR PROTECTION LIMITS
	EXISTING RIGHT OF WAY		EXISTING GAS LINE		LIVE STAKE PLANTING (3.88 AC.)
	EXISTING EASEMENT		EXISTING OVERHEAD LINE		UPPER SHORELINE PLANTING (11.56 AC.)
	EXISTING PAVEMENT		EXISTING ELECTRIC		UPLAND PLANTING (5.99 AC.)
	EXISTING CENTERLINE		PROPOSED RIGHT-OF-WAY		
	EXISTING STORM		PROPOSED STORM		
	EXISTING SANITARY				



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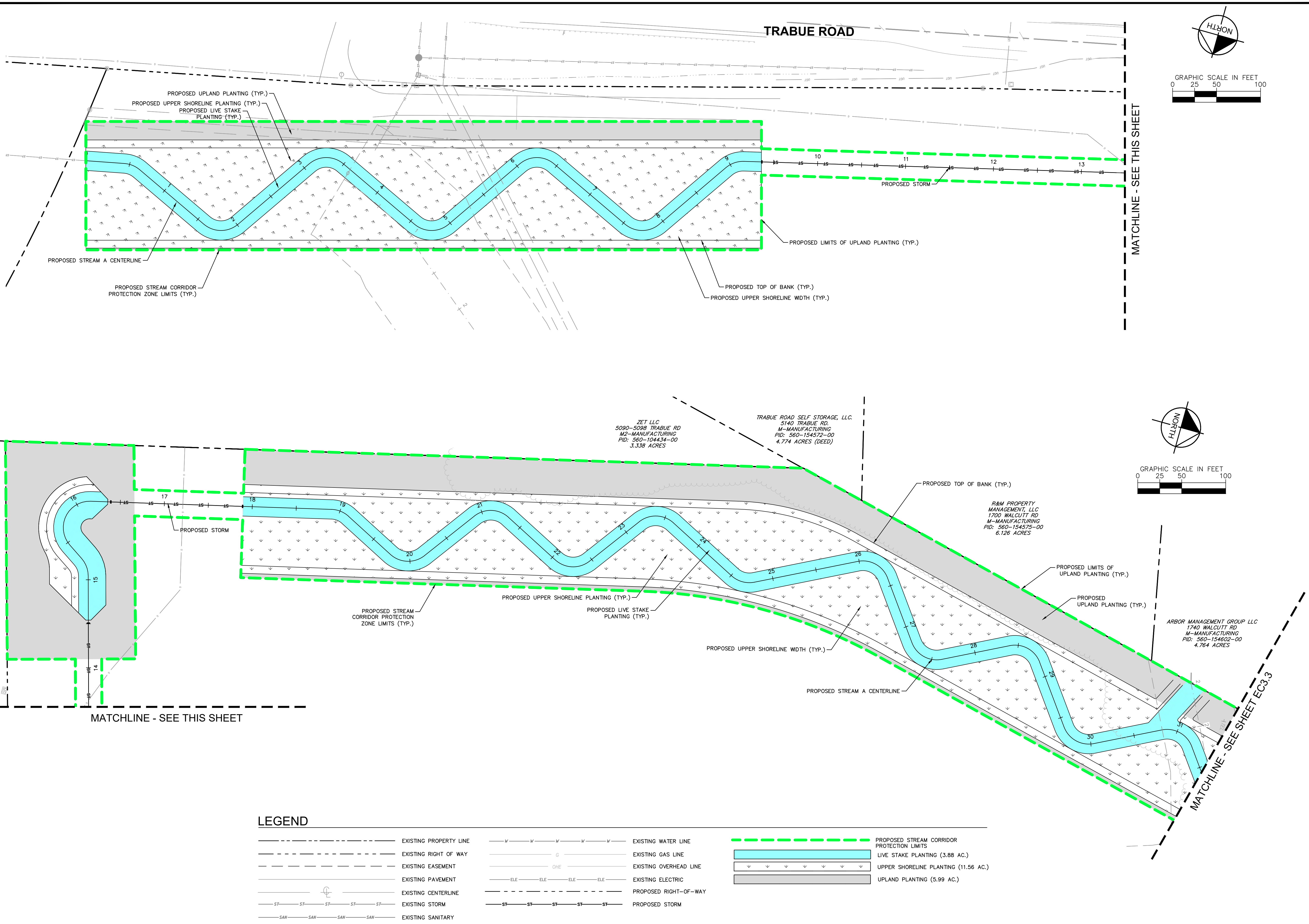
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## PLANTING PLAN OVERVIEW

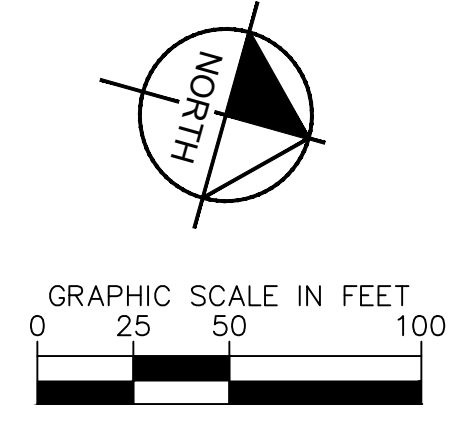
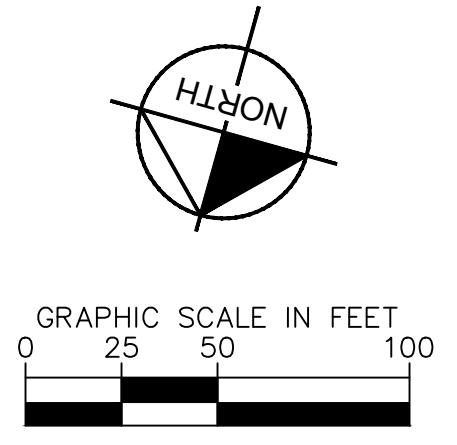
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 REFORESTATION PLANS  
**BUCKEYE YARD**  
 CITY OF COLUMBUS, FRANKLIN COUNTY, OH

ORIGINAL ISSUE:  
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 190118000  
 SHEET NUMBER  
**EC3.1**

Drawing name: K:\CIB\_LDEA\19018000\_3ddec\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlanSheets\9\_StreamRestoration\PLANTING PLAN.dwg STREAM A - 1 Jun 14, 2022 1:11pm by: Gavin Rivera  
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TRABUE ROAD



**LEGEND**

	EXISTING PROPERTY LINE		EXISTING WATER LINE		PROPOSED STREAM CORRIDOR PROTECTION LIMITS
	EXISTING RIGHT OF WAY		EXISTING GAS LINE		LIVE STAKE PLANTING (3.88 AC.)
	EXISTING EASEMENT		EXISTING OVERHEAD LINE		UPPER SHORELINE PLANTING (11.56 AC.)
	EXISTING PAVEMENT		EXISTING ELECTRIC		UPLAND PLANTING (5.99 AC.)
	EXISTING CENTERLINE		PROPOSED RIGHT-OF-WAY		
	EXISTING STORM		PROPOSED STORM		
	EXISTING SANITARY				

ZET LLC  
5090-5098 TRABUE RD  
M2-MANUFACTURING  
PID: 560-104434-00  
3.338 ACRES

TRABUE ROAD SELF STORAGE, LLC  
5140 TRABUE RD.  
M-MANUFACTURING  
PID: 560-154372-00  
4.774 ACRES (DEED)

R&M PROPERTY MANAGEMENT, LLC  
1700 WALCUTT RD  
M-MANUFACTURING  
PID: 560-154575-00  
6.126 ACRES

ARBOR MANAGEMENT GROUP LLC  
1740 WALCUTT RD  
M-MANUFACTURING  
PID: 560-154602-00  
4.764 ACRES

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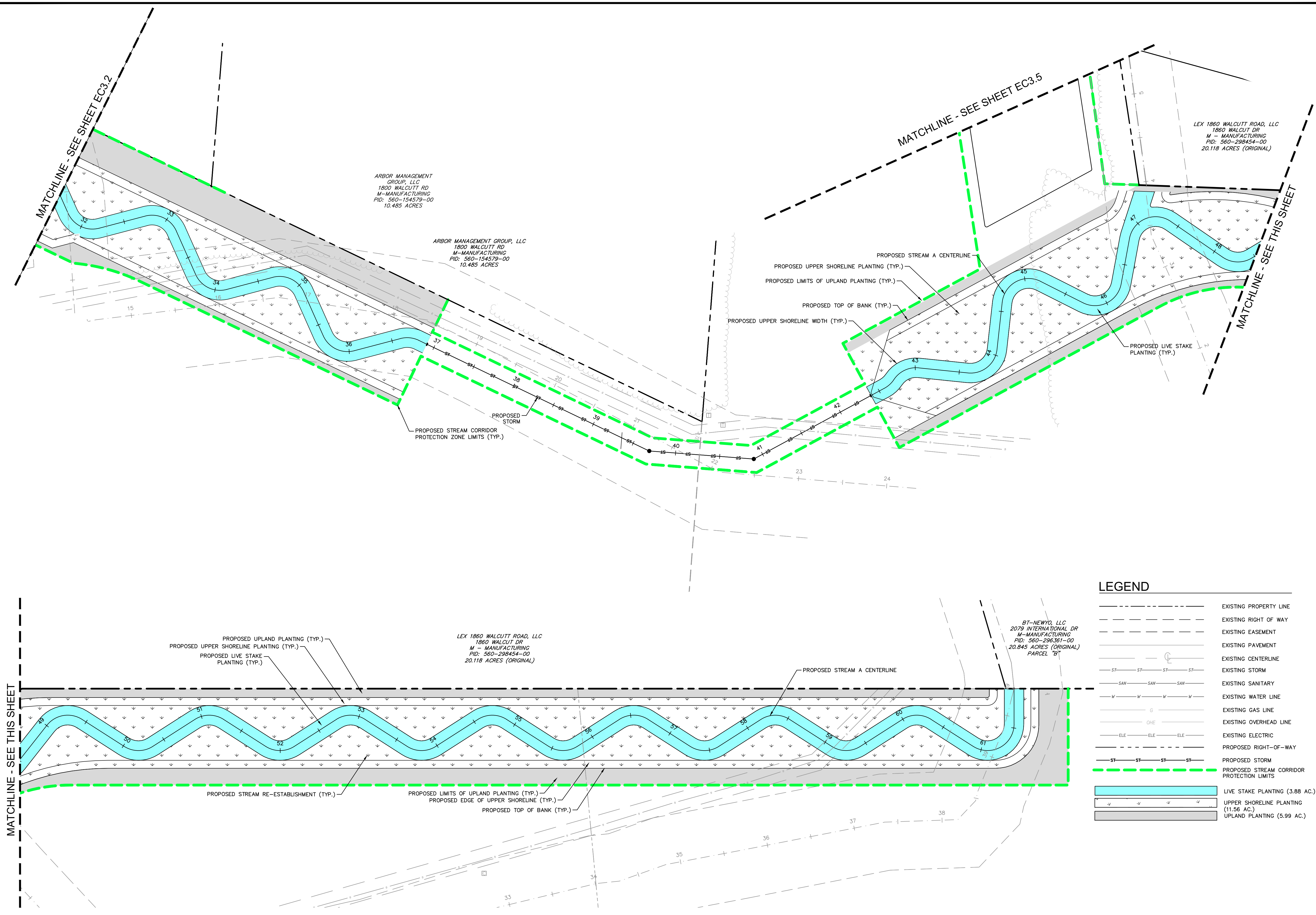
SCALE:  
DESIGNED BY: MCS  
DRAWN BY: MCS  
CHECKED BY: JMM

**PLANTING PLAN**

STREAM CORRIDOR PROTECTION ZONE  
RESTORATION PLANS  
**BUCKEYE YARD**  
CITY OF COLUMBUS, FRANKLIN COUNTY, OH

ORIGINAL ISSUE:  
06/13/2022  
KHA PROJECT NO.  
190118000  
SHEET NUMBER  
**EC3.2**

Drawing name: K:\CIB\_LDEA\190118000\_3dec\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlotSheets\9\_StreamRestoration\Planting Plan.dwg STREAM A - 2 Jun 14, 2022 1:11pm by: Gavin Rivera  
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**LEGEND**

	EXISTING PROPERTY LINE
	EXISTING RIGHT OF WAY
	EXISTING EASEMENT
	EXISTING PAVEMENT
	EXISTING CENTERLINE
	EXISTING STORM
	EXISTING SANITARY
	EXISTING WATER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD LINE
	EXISTING ELECTRIC
	PROPOSED RIGHT-OF-WAY
	PROPOSED STORM
	PROPOSED STREAM CORRIDOR PROTECTION LIMITS
	LIVE STAKE PLANTING (3.88 AC.)
	UPPER SHORELINE PLANTING (11.56 AC.)
	UPLAND PLANTING (5.99 AC.)

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DESIGNED BY: MCS  
 DRAWN BY: MCS  
 CHECKED BY: JMM

**PLANTING PLAN**

STREAM CORRIDOR PROTECTION ZONE  
 RESTORATION PLANS  
**BUCKEYE YARD**  
 CITY OF COLUMBUS, FRANKLIN COUNTY, OH

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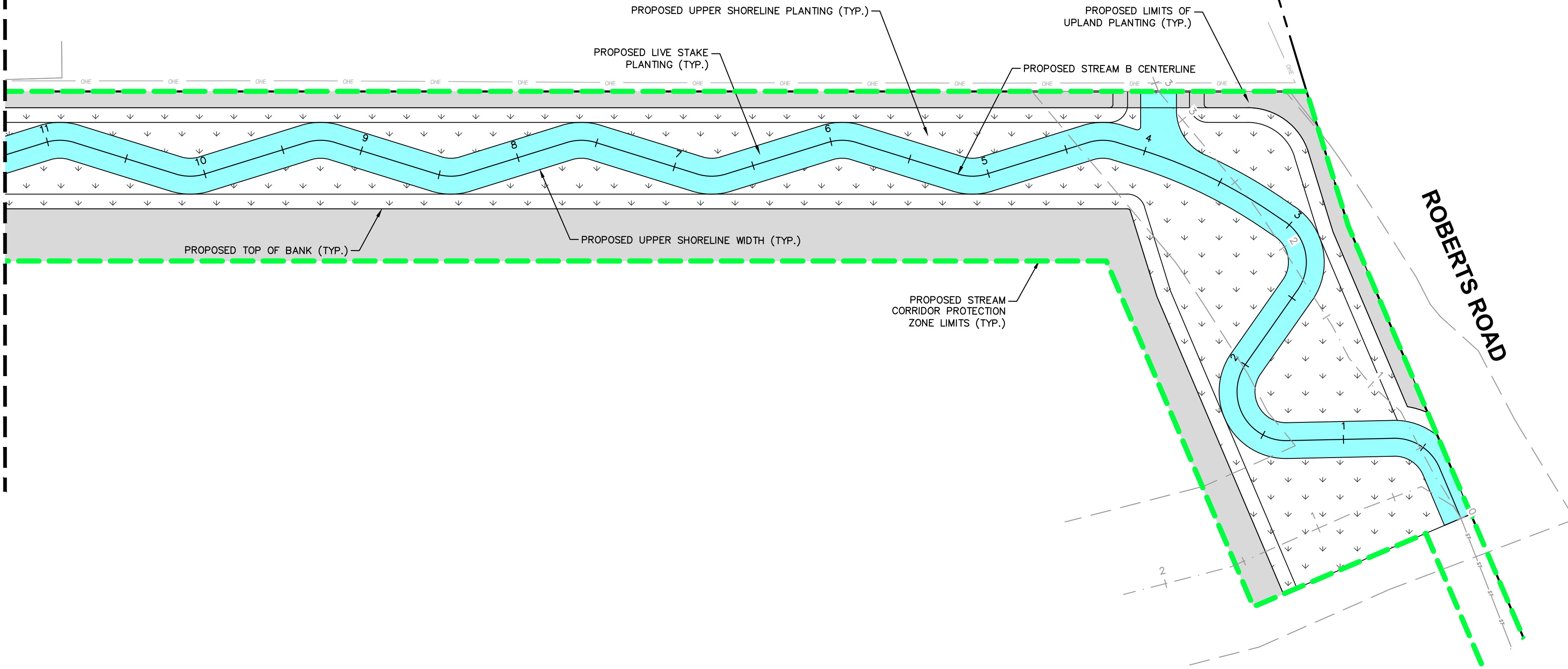
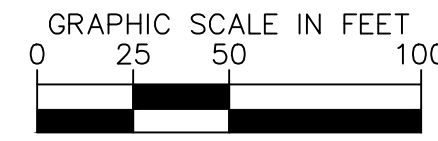
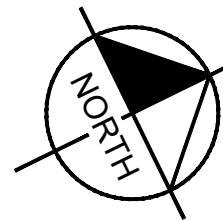
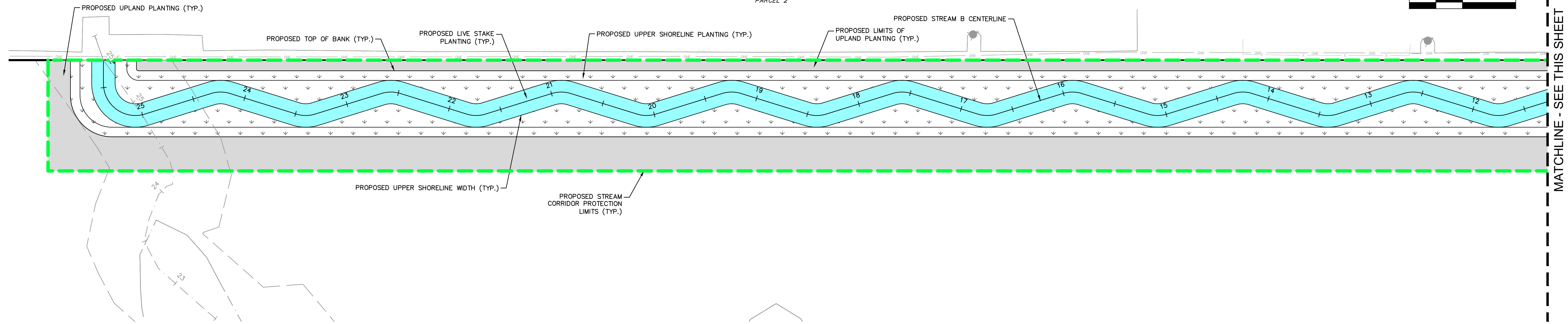
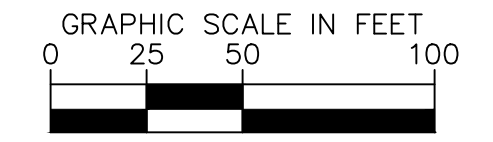
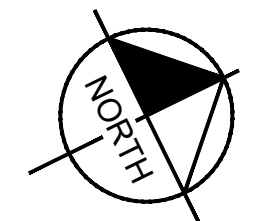


Drawing name: K:\CIB\_LDEA\19018000\_3drec\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlanSheets\9\_StreamRestoration\Planting Plan.dwg STREAM B Jun 14, 2022 1:11pm By: Geoff Rivers

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DIR ROBERTS DEARBORN INDUSTRIAL, L.L.C.  
M-MANUFACTURING  
PID: 560-241821-00  
24.475 ACRES (ORIGINAL)  
PARCEL 2

DIR ROBERTS DEARBORN INDUSTRIAL, L.L.C.  
M-MANUFACTURING  
PID: 560-241821-00  
24.475 ACRES (ORIGINAL)  
PARCEL 2



**LEGEND**

	EXISTING PROPERTY LINE
	EXISTING RIGHT OF WAY
	EXISTING EASEMENT
	EXISTING PAVEMENT
	EXISTING CENTERLINE
	EXISTING STORM
	EXISTING SANITARY
	EXISTING WATER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD LINE
	EXISTING ELECTRIC
	PROPOSED RIGHT-OF-WAY
	PROPOSED STORM
	PROPOSED STREAM CORRIDOR PROTECTION LIMITS
	LIVE STAKE PLANTING (3.88 AC.)
	UPPER SHORELINE PLANTING (11.56 AC.)
	UPLAND PLANTING (5.99 AC.)

MATCHLINE - SEE THIS SHEET

MATCHLINE - SEE THIS SHEET

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DESIGNED BY: MCS  
DRAWN BY: MCS  
CHECKED BY: JMM

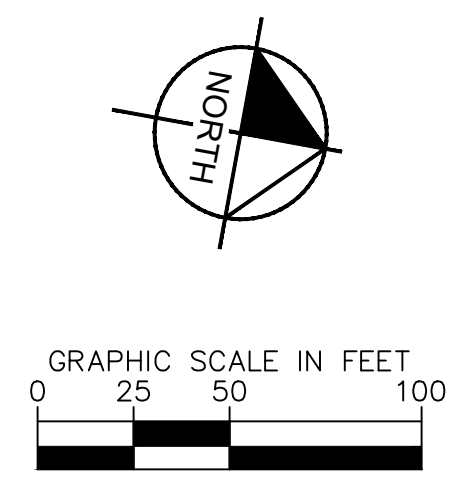
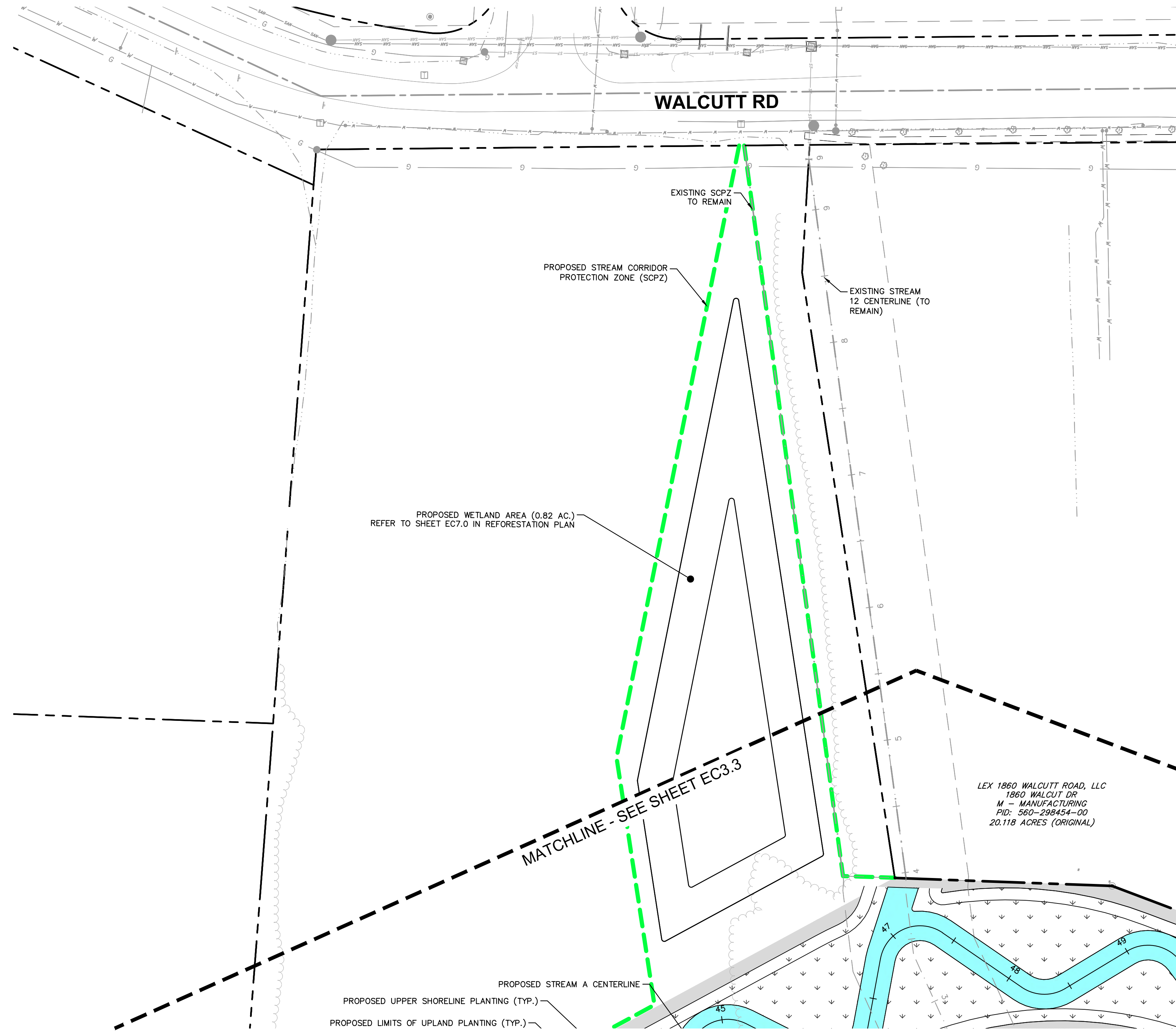
**PLANTING PLAN**

STREAM CORRIDOR PROTECTION ZONE  
REFORESTATION PLANS  
**BUCKEYE YARD**  
CITY OF COLUMBUS, FRANKLIN COUNTY, OH

ORIGINAL ISSUE:  
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SHEET NUMBER  
**EC3.4**

Drawing name: K:\CBE\_LDEA\19018000\_3drec\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlanSheets\9\_StreamReforestation\PLANTING PLAN.dwg EC3.6 PLANTING PLAN Jun 14, 2022 1:11pm by: Colin Rivera

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	EXISTING PROPERTY LINE
	EXISTING RIGHT OF WAY
	EXISTING EASEMENT
	EXISTING PAVEMENT
	EXISTING CENTERLINE
	EXISTING STORM
	EXISTING SANITARY
	EXISTING WATER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD LINE
	EXISTING ELECTRIC
	PROPOSED RIGHT-OF-WAY
	PROPOSED STORM
	PROPOSED STREAM CORRIDOR PROTECTION LIMITS
	LIVE STAKE PLANTING (3.88 AC.)
	UPPER SHORELINE PLANTING (11.56 AC.)
	UPLAND PLANTING (5.99 AC.)

LEX 1860 WALCUTT ROAD, LLC  
 1860 WALCUTT DR  
 M - MANUFACTURING  
 PID: 560-298454-00  
 20.118 ACRES (ORIGINAL)

No.	REVISIONS	DATE	BY	APR DATE	APR BY

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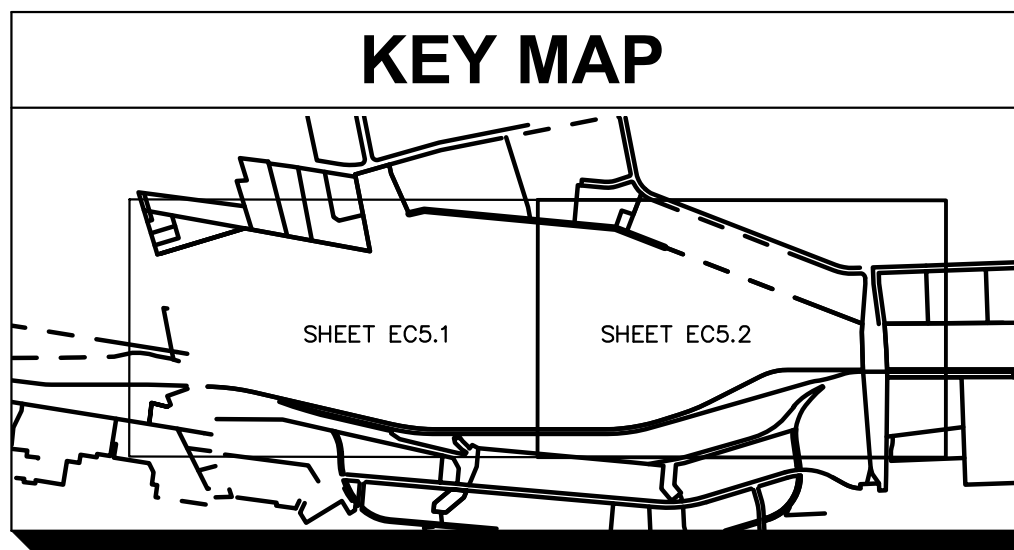
SCALE:  
 DESIGNED BY: MCS  
 DRAWN BY: MCS  
 CHECKED BY: JMM

# PLANTING PLAN

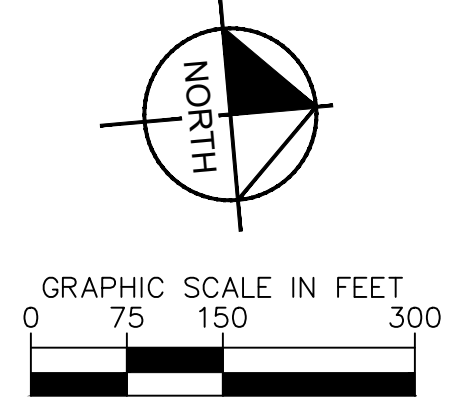
STREAM CORRIDOR PROTECTION ZONE  
 REFORESTATION PLANS  
**BUCKEYE YARD**  
 CITY OF COLUMBUS, FRANKLIN COUNTY, OH

ORIGINAL ISSUE:  
 06/13/2022  
 KHA PROJECT NO.  
 190118000  
 SHEET NUMBER  
**EC3.5**

Drawing name: K:\CIB\_LDEA\190118000\_3dloc\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlanSheets\9\_Stream\Reforestation\REFORESTATION\_PLAN.dwg EC4.0 REFORESTATION PLAN OVERVIEW Jun 14, 2022, 1:11pm by: Gavin Rivera  
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LEGEND	
	EXISTING PROPERTY LINE
	EXISTING RIGHT OF WAY
	EXISTING EASEMENT
	EXISTING PAVEMENT
	EXISTING CENTERLINE
	EXISTING STORM
	EXISTING SANITARY
	EXISTING WATER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD LINE
	EXISTING ELECTRIC
	PROPOSED RIGHT-OF-WAY
	PROPOSED STORM
	PROPOSED STREAM CORRIDOR PROTECTION LIMITS
	REFORESTATION AREA (15.22 AC.)



No.	REVISIONS	DATE	BY	APR DATE	APR BY

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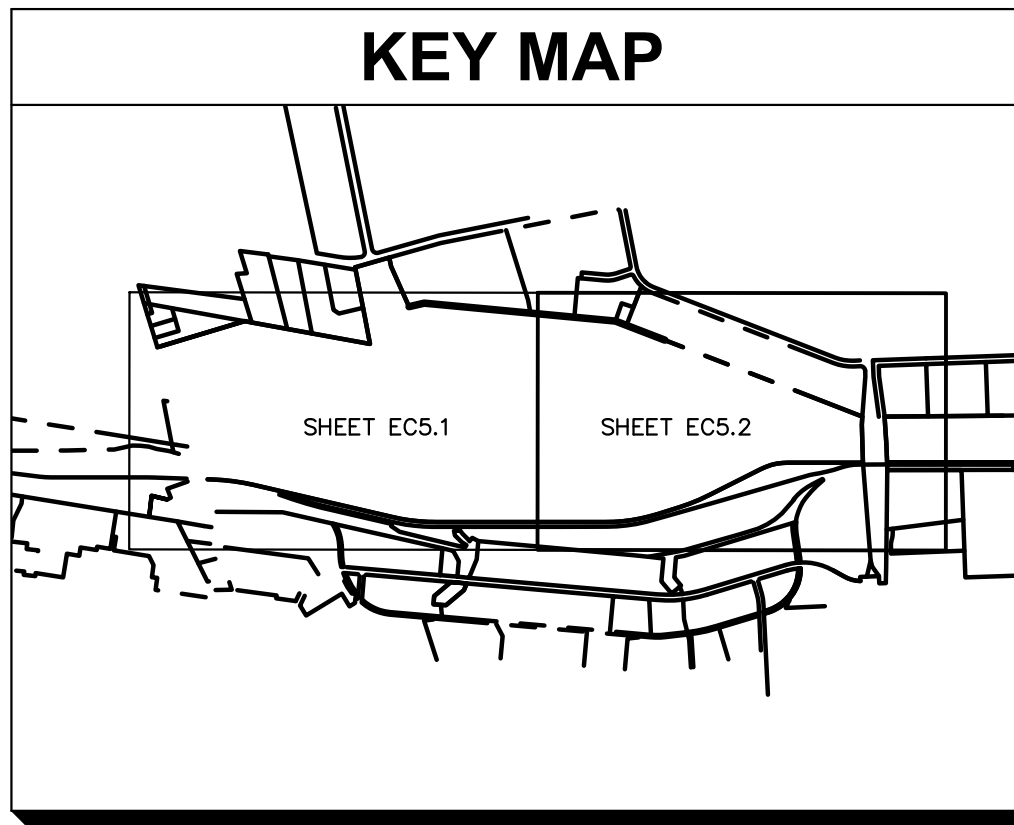
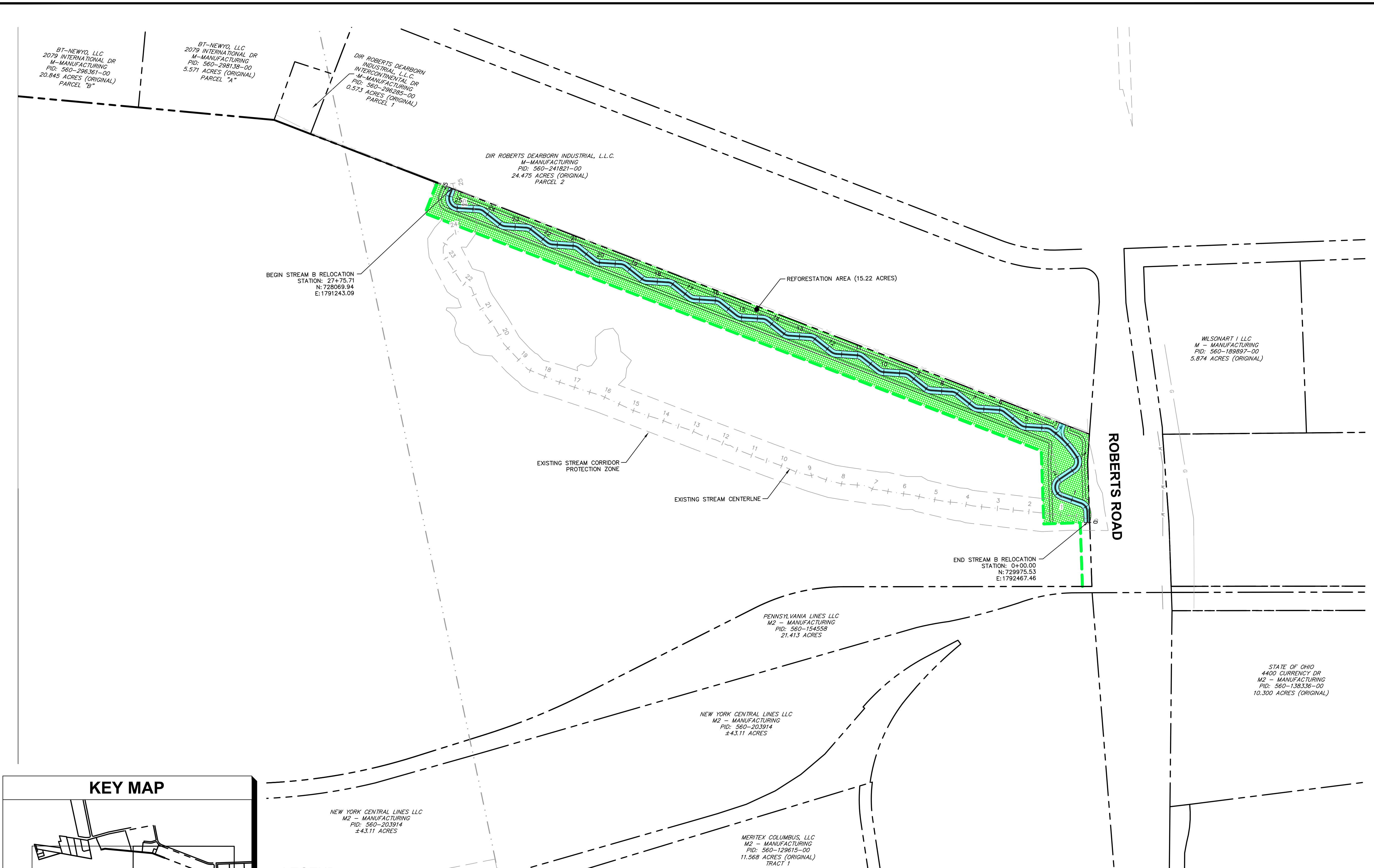
SCALE:  
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 DRAWN BY: MCS  
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## REFORESTATION PLAN OVERVIEW

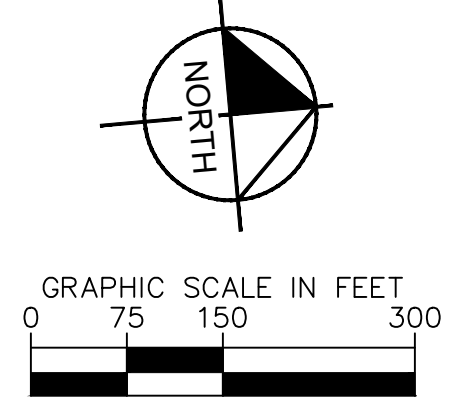
**STREAM CORRIDOR PROTECTION ZONE  
REFORESTATION PLANS  
BUCKEYE YARD**  
 CITY OF COLUMBUS, FRANKLIN COUNTY, OH

ORIGINAL ISSUE:  
 06/13/2022  
 KHA PROJECT NO.  
 190118000  
 SHEET NUMBER  
**EC4.0**

Drawing name: K:\CIB\JDE\190118000\_4dec\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlanSheets\9\_StreamReforestation\REFORESTATION\_PLAN.dwg EC4.1 REFORESTATION PLAN OVERVIEW Jun 14, 2022, 1:11pm by: Gavin Rivera  
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LEGEND			
	EXISTING PROPERTY LINE		EXISTING WATER LINE
	EXISTING RIGHT OF WAY		EXISTING GAS LINE
	EXISTING EASEMENT		EXISTING OVERHEAD LINE
	EXISTING PAVEMENT		EXISTING ELECTRIC
	EXISTING CENTERLINE		PROPOSED RIGHT-OF-WAY
	EXISTING STORM		PROPOSED STORM
	EXISTING SANITARY		PROPOSED STREAM CORRIDOR PROTECTION LIMITS
			REFORESTATION AREA (15.22 AC.)



BT-NEWYO, LLC  
2079 INTERNATIONAL DR  
M-MANUFACTURING  
PID: 560-296361-00  
20.845 ACRES (ORIGINAL)  
PARCEL "B"

BT-NEWYO, LLC  
2079 INTERNATIONAL DR  
M-MANUFACTURING  
PID: 560-298138-00  
5.571 ACRES (ORIGINAL)  
PARCEL "A"

DIR ROBERTS DEARBORN INDUSTRIAL, L.L.C.  
INTERCONTINENTAL DR  
M-MANUFACTURING  
PID: 560-296285-00  
0.573 ACRES (ORIGINAL)  
PARCEL 1

DIR ROBERTS DEARBORN INDUSTRIAL, L.L.C.  
M-MANUFACTURING  
PID: 560-241821-00  
24.475 ACRES (ORIGINAL)  
PARCEL 2

WILSONART I LLC  
M - MANUFACTURING  
PID: 560-189897-00  
5.874 ACRES (ORIGINAL)

PENNSYLVANIA LINES LLC  
M2 - MANUFACTURING  
PID: 560-154558  
21.413 ACRES

NEW YORK CENTRAL LINES LLC  
M2 - MANUFACTURING  
PID: 560-203914  
±43.11 ACRES

MERITEX COLUMBUS, LLC  
M2 - MANUFACTURING  
PID: 560-129615-00  
11.568 ACRES (ORIGINAL)  
TRACT 1

BEGIN STREAM B RELOCATION  
STATION: 27+75.71  
N: 728069.94  
E: 1791243.09

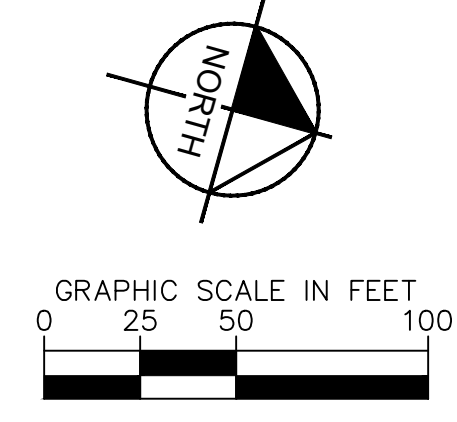
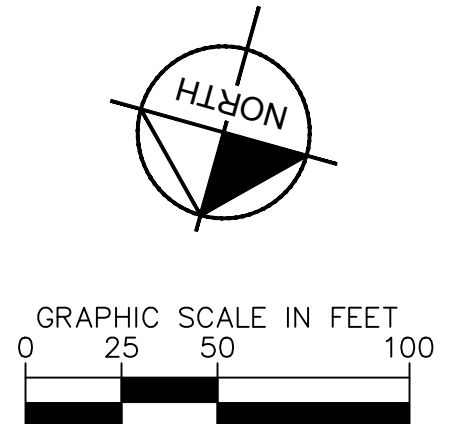
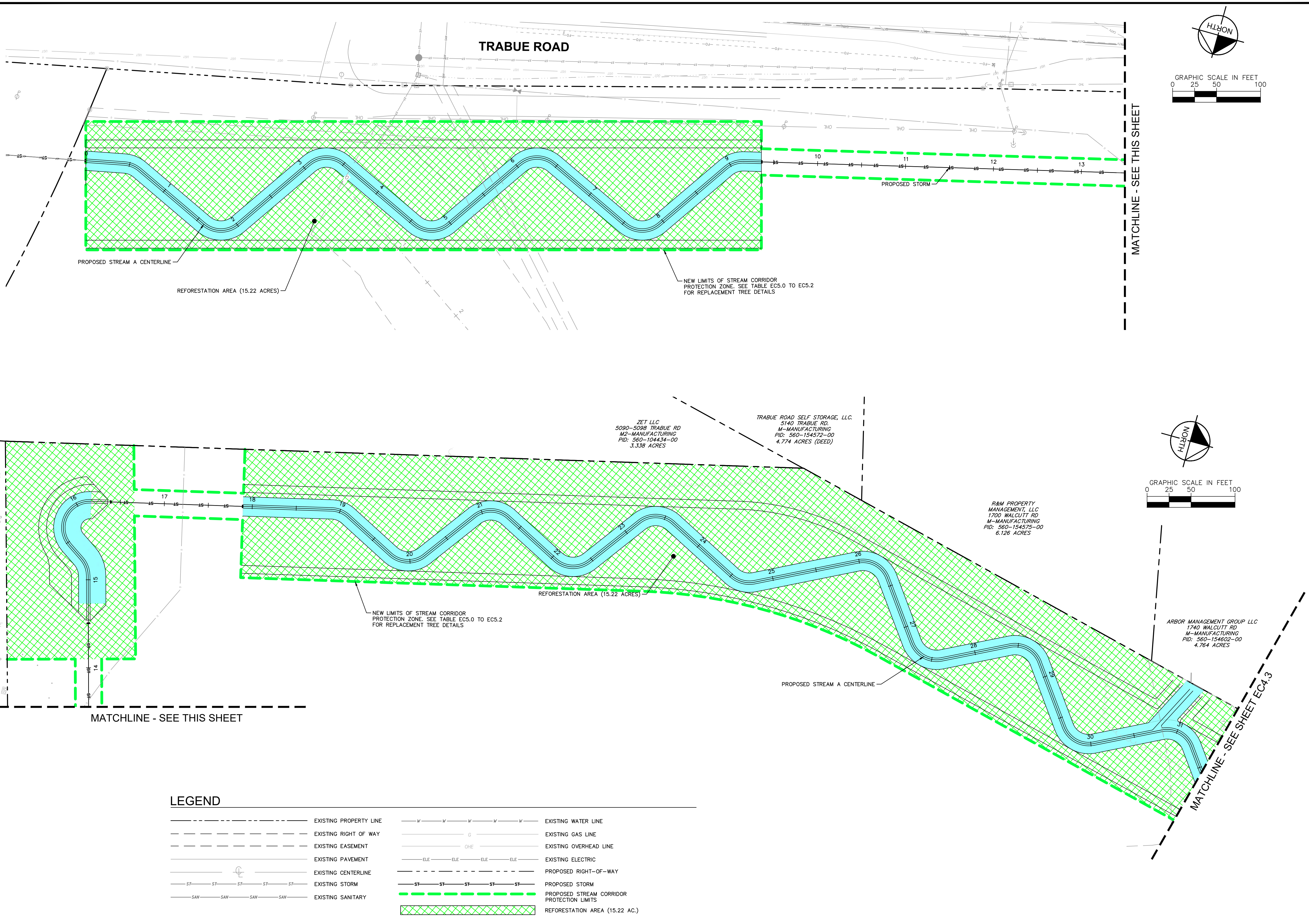
END STREAM B RELOCATION  
STATION: 0+00.00  
N: 729975.53  
E: 1792467.46

ROBERTS ROAD

STATE OF OHIO  
4400 CURRENCY DR  
M2 - MANUFACTURING  
PID: 560-138336-00  
10.300 ACRES (ORIGINAL)

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<p>STREAM CORRIDOR PROTECTION ZONE REFORESTATION PLANS <b>BUCKEYE YARD</b> CITY OF COLUMBUS, FRANKLIN COUNTY, OH</p>	<p>ORIGINAL ISSUE: 06/13/2022 KHA PROJECT NO. 190118000 SHEET NUMBER <b>EC4.1</b></p>										
<p>SCALE:</p>	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>BY</th> <th>APR DATE</th> <th>APR BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	No.	DATE	BY	APR DATE	APR BY					
No.	DATE	BY	APR DATE	APR BY							

Drawing name: K:\CIB\_LDEA\190118000\_3dloc\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlanSheets\9\_Stream\Reforestation\REFORESTATION\_PLAN.dwg EC4.2 REFORESTATION PLAN Jun 14, 2022 1:11pm by: Colin Rivera  
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**LEGEND**

---	EXISTING PROPERTY LINE	---	EXISTING WATER LINE
---	EXISTING RIGHT OF WAY	---	EXISTING GAS LINE
---	EXISTING EASEMENT	---	EXISTING OVERHEAD LINE
---	EXISTING PAVEMENT	---	EXISTING ELECTRIC
---	EXISTING CENTERLINE	---	PROPOSED RIGHT-OF-WAY
---	EXISTING STORM	---	PROPOSED STORM
---	EXISTING SANITARY	---	PROPOSED STREAM CORRIDOR PROTECTION LIMITS
			REFORESTATION AREA (15.22 AC.)

No.	REVISIONS	DATE	BY	APR DATE	APR BY

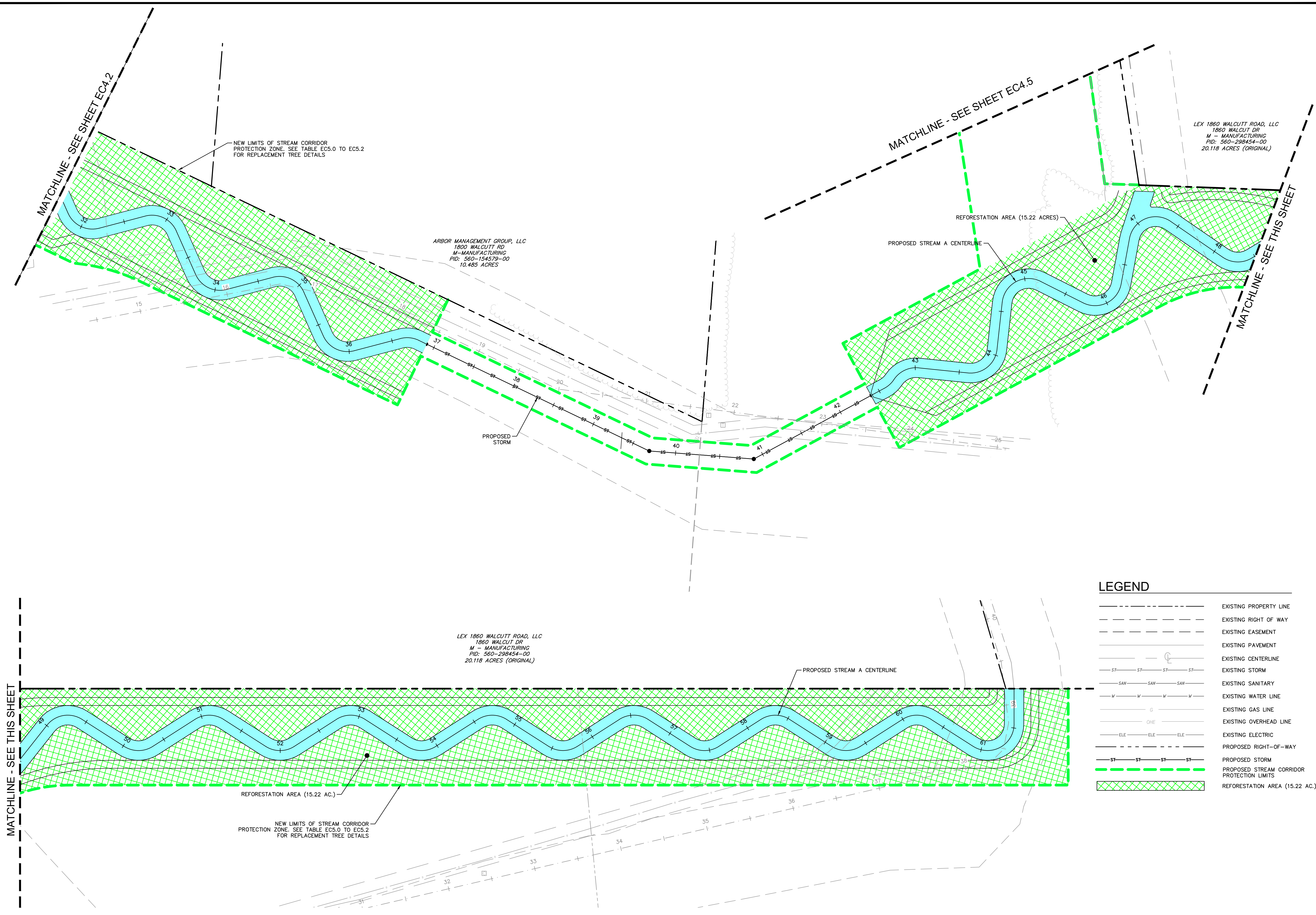
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SCALE:  
 DESIGNED BY: MCS  
 DRAWN BY: MCS  
 CHECKED BY: JMM

**REFORESTATION PLAN**  
 STREAM CORRIDOR PROTECTION ZONE  
 REFORESTATION PLANS  
**BUCKEYE YARD**  
 CITY OF COLUMBUS, FRANKLIN COUNTY, OH

ORIGINAL ISSUE:  
 06/13/2022  
 KHA PROJECT NO.  
 190118000  
 SHEET NUMBER  
**EC4.2**

Drawing name: K:\CIB\_LDEA\190118000\_3dloc\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlanSheets\9\_StreamReforestation\REFORESTATION\_PLAN.dwg EC4.3 REFORESTATION PLAN - Jun 14, 2022, 1:11pm, by: Colin Rivera  
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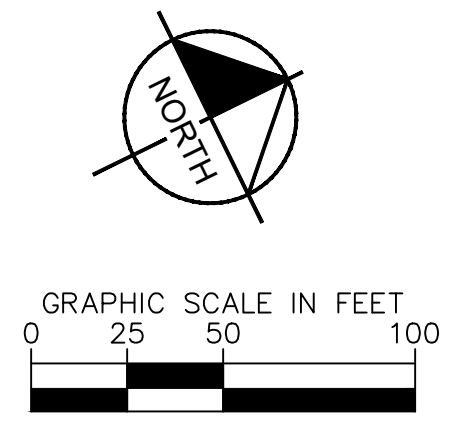
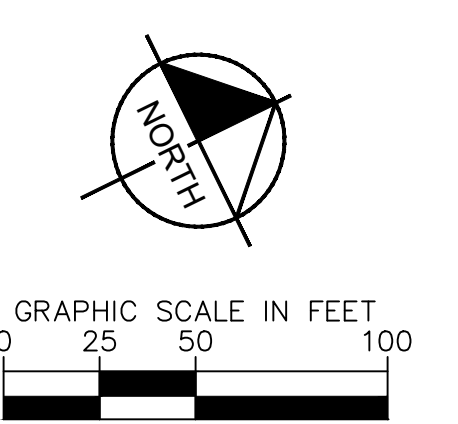
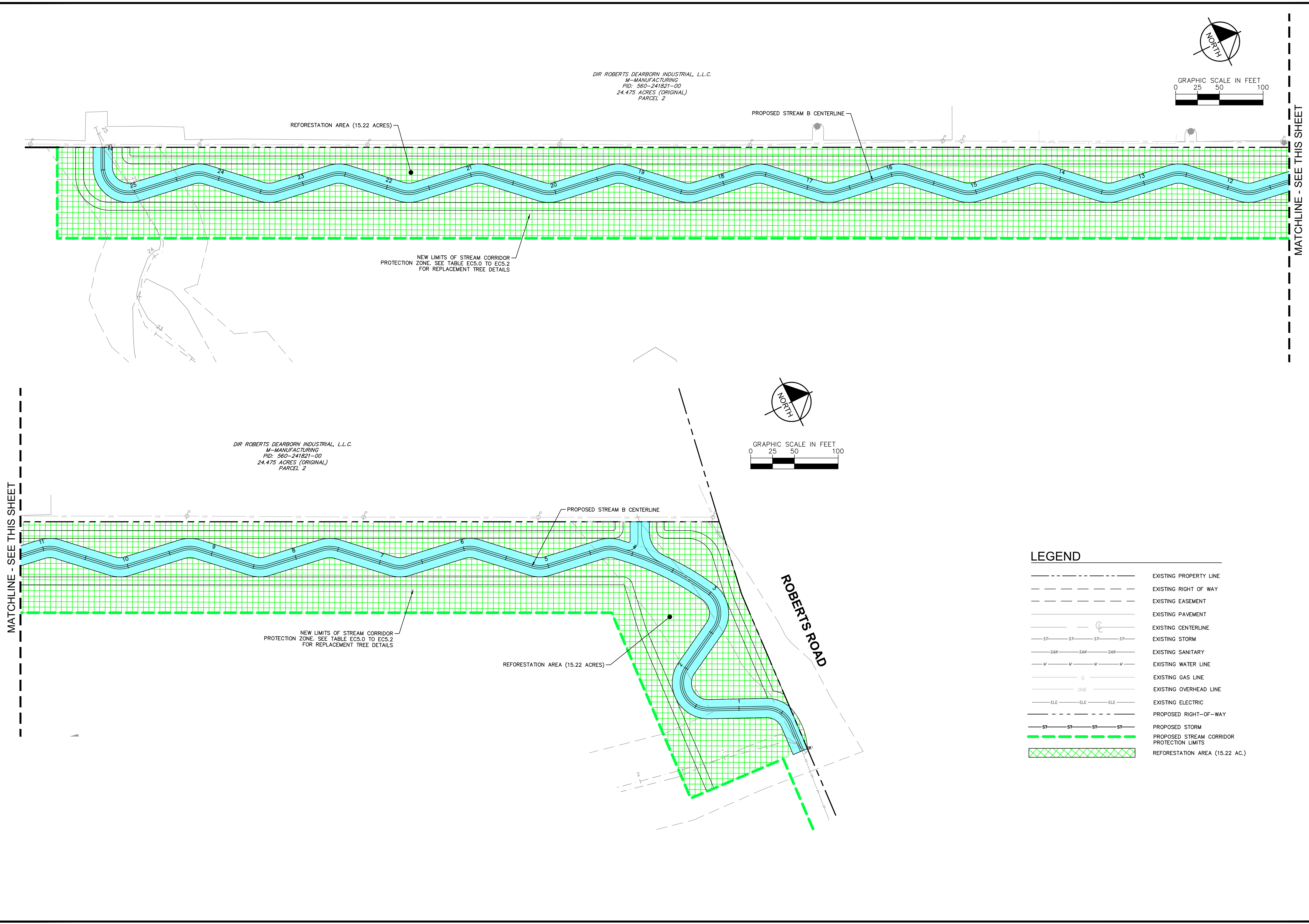


**LEGEND**

	EXISTING PROPERTY LINE
	EXISTING RIGHT OF WAY
	EXISTING EASEMENT
	EXISTING PAVEMENT
	EXISTING CENTERLINE
	EXISTING STORM
	EXISTING SANITARY
	EXISTING WATER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD LINE
	EXISTING ELECTRIC
	PROPOSED RIGHT-OF-WAY
	PROPOSED STORM
	PROPOSED STREAM CORRIDOR PROTECTION LIMITS
	REFORESTATION AREA (15.22 AC.)

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DESIGNED BY: MCS	DRAWN BY: MCS	CHECKED BY: JMM
<p><b>REFORESTATION PLAN</b></p>		
<p><b>STREAM CORRIDOR PROTECTION ZONE REFORESTATION PLANS BUCKEYE YARD</b></p> <p>CITY OF COLUMBUS, FRANKLIN COUNTY, OH</p>		
ORIGINAL ISSUE: 06/13/2022 KHA PROJECT NO. 190118000 SHEET NUMBER <b>EC4.3</b>		
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NO.	REVISIONS	APR DATE

Drawing name: K:\CIB\_LDEA\19018000\_3dloc\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlanSheets\9\_Stream\Reforestation\REFORESTATION\_PLAN.dwg EC4.4 REFORESTATION PLAN Jun 14, 2022 1:11pm by: Colin Rivera  
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**LEGEND**

---	EXISTING PROPERTY LINE
- - - -	EXISTING RIGHT OF WAY
- . - . - .	EXISTING EASEMENT
---	EXISTING PAVEMENT
---	EXISTING CENTERLINE
— ST — ST — ST — ST —	EXISTING STORM
— SAN — SAN — SAN —	EXISTING SANITARY
— W — W — W — W —	EXISTING WATER LINE
— G —	EXISTING GAS LINE
— OHE —	EXISTING OVERHEAD LINE
— ELE — ELE — ELE —	EXISTING ELECTRIC
— ST — ST — ST — ST —	PROPOSED RIGHT-OF-WAY
— ST — ST — ST — ST —	PROPOSED STORM
— ST — ST — ST — ST —	PROPOSED STREAM CORRIDOR PROTECTION LIMITS
[Green Grid Pattern]	REFORESTATION AREA (15.22 AC.)

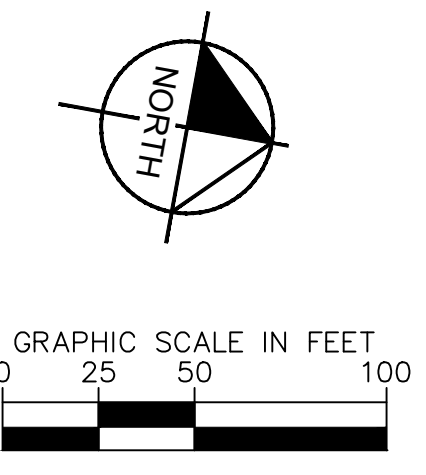
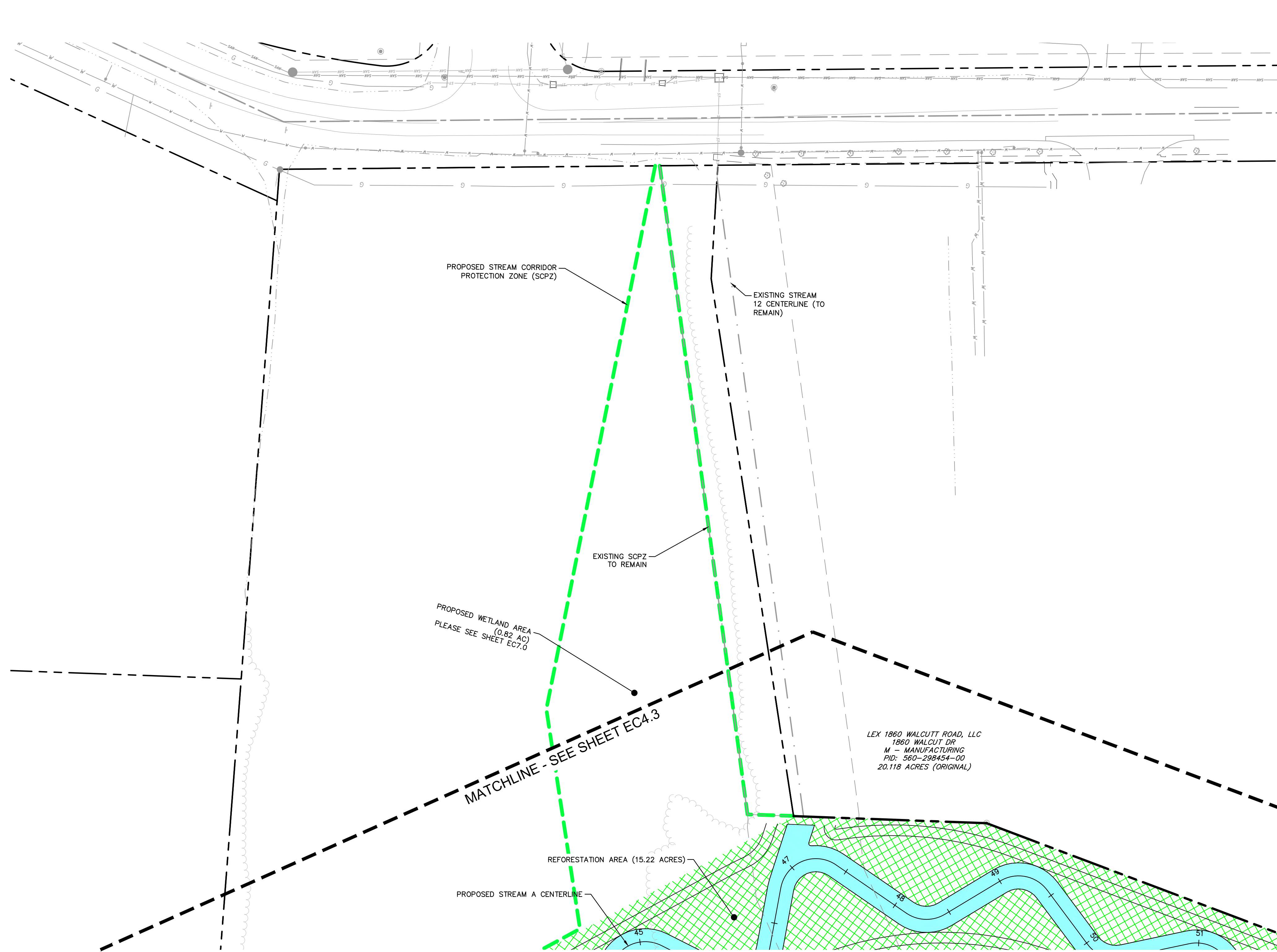
MATCHLINE - SEE THIS SHEET

MATCHLINE - SEE THIS SHEET

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DESIGNED BY: MCS	DRAWN BY: MCS	CHECKED BY: JMM
<p><b>REFORESTATION PLAN</b></p> <p>STREAM CORRIDOR PROTECTION ZONE          REFORESTATION PLANS  <b>BUCKEYE YARD</b>          CITY OF COLUMBUS, FRANKLIN COUNTY, OH</p>		
ORIGINAL ISSUE: 06/13/2022		
KHA PROJECT NO. 190118000		
SHEET NUMBER		
EC4.4		REVISIONS No. DATE BY APR DATE APR BY

Drawing name: K:\CIB\_LDEA\19018000\_3drec\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlanSheets\9\_StreamReforestation\REFORESTATION\_PLAN.dwg ECA.5 REFORESTATION PLAN - Jun 14, 2022, 1:11pm, by: Colin Rivera

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	EXISTING PROPERTY LINE
	EXISTING RIGHT OF WAY
	EXISTING EASEMENT
	EXISTING PAVEMENT
	EXISTING CENTERLINE
	EXISTING STORM
	EXISTING SANITARY
	EXISTING WATER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD LINE
	EXISTING ELECTRIC
	PROPOSED RIGHT-OF-WAY
	PROPOSED STORM
	PROPOSED STREAM CORRIDOR PROTECTION LIMITS
	REFORESTATION AREA (15.22 AC.)

No.	REVISIONS	DATE	BY	APR DATE	APR BY

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SCALE:  
 DESIGNED BY: MCS  
 DRAWN BY: MCS  
 CHECKED BY: JMM

# REFORESTATION PLAN

STREAM CORRIDOR PROTECTION ZONE  
 REFORESTATION PLANS  
**BUCKEYE YARD**  
 CITY OF COLUMBUS, FRANKLIN COUNTY, OH

ORIGINAL ISSUE:  
 06/13/2022  
 KHA PROJECT NO.  
 190118000  
 SHEET NUMBER  
**EC4.5**



Drawing name: K:\CBE\JDEA\19018000\_04ec\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlanSheets\9\_StreamReforestation\REFORESTATION\_SUMMARY\_TABLE.dwg Layout1 Jun 14, 2022, 1:11pm by: Gavin Rivera  
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ID	LATIN NAME	COMMON NAME	CONDITION	D.B.H. (INCHES)	NOTES	NORTHING	EASTING	REPLACEMENT QUANTITY	REPLACEMENT SPECIES
2004	<i>Maclura pomifera</i>	OSAGE ORANGE	GOOD	7	2 TRUNK	728172.5	1791643.6	1	<i>Maclura pomifera</i>
2009	<i>Salix ssp.</i>	WILLOW	GOOD	8	2 TRUNK	725559.2	1790975.9	1	<i>Salix nigra</i>
2013	<i>Carya ovata</i>	HICKORY	GOOD	7	2 TRUNK	726471.3	1790864.8	1	<i>Carya ovata</i>
2014	<i>Acer ssp.</i>	MAPLE	GOOD	8	2 TRUNK	725490.2	1790838	1	<i>Acer saccharum</i>
2015	<i>Prunus serotina</i>	BLACK CHERRY	GOOD	8	2 TRUNK	725508.4	1790869.5	1	<i>Prunus serotina</i>
2017	<i>Populus deltoides</i>	EASTERN COTTONWOOD	POOR	21	2 TRUNK	726653.2	1790914.1	3	<i>Populus deltoides</i>
2023	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	8		728017.4	1791387.3	1	<i>Gleditsia tricanthos</i>
2024	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	8	2 TRUNK	728266.7	1791814.4	1	<i>Populus deltoides</i>
2025	<i>Quercus rubra</i>	NORTHERN RED OAK	GOOD	6		728286.7	1791802.1	1	<i>Quercus rubra</i>
2026	<i>Quercus rubra</i>	NORTHERN RED OAK	GOOD	9		728286.8	1791802.8	1	<i>Quercus rubra</i>
2027	<i>Quercus rubra</i>	NORTHERN RED OAK	GOOD	13	2 TRUNK	728267.9	1791735.8	2	<i>Quercus rubra</i>
2030	<i>Quercus rubra</i>	NORTHERN RED OAK	GOOD	18	2 TRUNK	728564.6	1791941.4	2	<i>Quercus rubra</i>
2037	<i>Ulmus americana</i>	ELM	GOOD	8	3 TRUNK	729146.6	1792218	1	<i>Ulmus americana</i>
2038	<i>Ulmus americana</i>	ELM	GOOD	7	3 TRUNK	729147.4	1792218.6	1	<i>Ulmus americana</i>
2039	<i>Juglans nigra</i>	WALNUT	POOR	14	2 TRUNK	729051.4	1792175.3	2	<i>Juglans nigra</i>
2044	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	12	2 TRUNK	728679.3	1792040.8	2	<i>Populus deltoides</i>
2045	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	15		729088	1792239.1	2	<i>Populus deltoides</i>
2046	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	13	2 TRUNK	729183.7	1792272.4	2	<i>Populus deltoides</i>
2047	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14	2 TRUNK	729477.6	1792355.6	2	<i>Populus deltoides</i>
2048	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	18	2 TRUNK	729519.6	1792365.8	2	<i>Populus deltoides</i>
2051	<i>Populus deltoides</i>	EASTERN COTTONWOOD	POOR	16	2 TRUNK	729807.2	1792431.5	2	<i>Populus deltoides</i>
2052	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	17	2 TRUNK	729815.5	1792432.8	2	<i>Populus deltoides</i>
2053	<i>Prunus serotina</i>	BLACK CHERRY	GOOD	6	2 TRUNK	729945.2	1792480.4	1	<i>Prunus serotina</i>
2054	<i>Acer ssp.</i>	MAPLE	GOOD	12	2 TRUNK	729946.8	1792447.3	2	<i>Acer saccharum</i>
2055	<i>Ulmus americana</i>	ELM	GOOD	9	2 TRUNK	729824.2	1792392.5	1	<i>Ulmus americana</i>
2056	<i>Ulmus americana</i>	ELM	GOOD	9	2 TRUNK	729819	1792415.4	1	<i>Ulmus americana</i>
2057	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	15		729955.8	1792434	2	<i>Populus deltoides</i>
2059	<i>Acer ssp.</i>	MAPLE	GOOD	10	2 TRUNK	729920.6	1792185.4	1	<i>Acer saccharum</i>
2060	<i>Salix ssp.</i>	WILLOW	POOR	9	4 TRUNK	729954.8	1792298.9	1	<i>Salix nigra</i>
2061	<i>Salix ssp.</i>	WILLOW	POOR	7	4 TRUNK	729954.7	1792299.5	1	<i>Salix nigra</i>
2062	<i>Salix ssp.</i>	WILLOW	POOR	6	4 TRUNK	729954.6	1792300.1	1	<i>Salix nigra</i>
2063	<i>Prunus serotina</i>	BLACK CHERRY	GOOD	12	2 TRUNK	723304	1791845.9	2	<i>Prunus serotina</i>
2065	<i>Juniperus virginiana</i>	EASTERN RED CEDAR	GOOD	4		723582	1791510.3	1	<i>Juniperus virginiana</i>
381037	<i>Acer ssp.</i>	MAPLE	GOOD	8		724005.9	1791146.4	1	<i>Acer saccharum</i>
381039	<i>Acer ssp.</i>	MAPLE	GOOD	6	3 TRUNK	724380.2	1790985	1	<i>Acer saccharum</i>
391001	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	20		728095.8	1791600.6	3	<i>Populus deltoides</i>
391005	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	7		728032.8	1791616	1	<i>Gleditsia tricanthos</i>
391009	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	31		728102.6	1791633.2	5	<i>Populus deltoides</i>
391010	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	31		728095.8	1791629.7	5	<i>Populus deltoides</i>
391011	<i>Ulmus americana</i>	ELM	GOOD	6		728113.6	1791629	1	<i>Ulmus americana</i>
391012	<i>Ulmus americana</i>	ELM	GOOD	6		728021	1791607.5	1	<i>Ulmus americana</i>
391016	<i>Ulmus americana</i>	ELM	POOR	6		728072.1	1791579.3	1	<i>Ulmus americana</i>
391017	<i>Ulmus americana</i>	ELM	GOOD	8		728079.2	1791569.1	1	<i>Ulmus americana</i>
391018	<i>Salix ssp.</i>	WILLOW	GOOD	12		728082.1	1791561.3	2	<i>Salix nigra</i>
391019	<i>Ulmus americana</i>	ELM	POOR	11		728057.8	1791558	1	<i>Ulmus americana</i>
391020	<i>Ulmus americana</i>	ELM	GOOD	11		728061.1	1791547.7	1	<i>Ulmus americana</i>
391021	<i>Salix ssp.</i>	WILLOW	GOOD	13		728086.1	1791523.4	2	<i>Salix nigra</i>
391022	<i>Catalpa speciosa</i>	CATALPA	GOOD	11		728081.9	1791514.7	1	<i>Catalpa speciosa</i>
391023	<i>Crataegus pennsylvanica</i>	HAWTHORN	GOOD	6		728106.6	1791521.4	1	<i>Crataegus pennsylvanica</i>
391024	<i>Juglans nigra</i>	WALNUT	GOOD	13		728108.8	1791543	2	<i>Juglans nigra</i>
391026	<i>Ulmus americana</i>	ELM	GOOD	6		728122.2	1791552.2	1	<i>Ulmus americana</i>
391027	<i>Liriodendron tulipifera</i>	TULIP POPLAR	POOR	7		728126.1	1791548.7	1	<i>Liriodendron tulipifera</i>
391029	<i>Ulmus americana</i>	ELM	GOOD	6		728137.2	1791541.6	1	<i>Ulmus americana</i>
391031	<i>Ulmus americana</i>	ELM	POOR	6		728145.7	1791575.3	1	<i>Ulmus americana</i>
391032	<i>Liriodendron tulipifera</i>	TULIP POPLAR	POOR	7		728147	1791583.1	1	<i>Liriodendron tulipifera</i>
391033	<i>Ulmus americana</i>	ELM	GOOD	10		728139.7	1791593.3	1	<i>Ulmus americana</i>
391034	<i>Ulmus americana</i>	ELM	GOOD	6		728142.1	1791610.7	1	<i>Ulmus americana</i>
391035	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		728132.1	1791623.3	1	<i>Populus deltoides</i>
391036	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		728116.9	1791595	2	<i>Populus deltoides</i>
391040	<i>Maclura pomifera</i>	OSAGE ORANGE	GOOD	8	2 TRUNK	728171.8	1791643.6	1	<i>Maclura pomifera</i>
391041	<i>Prunus serotina</i>	BLACK CHERRY	GOOD	6		728172.4	1791647.7	1	<i>Prunus serotina</i>
391042	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	12		728147.6	1791662.3	2	<i>Populus deltoides</i>
391043	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10	2 TRUNK	728155.1	1791663	1	<i>Populus deltoides</i>
391044	<i>Ulmus americana</i>	ELM	GOOD	6		728158.9	1791660.7	1	<i>Ulmus americana</i>
391045	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	13		728161.7	1791670.3	2	<i>Populus deltoides</i>
391046	<i>Ulmus americana</i>	ELM	GOOD	6		728171	1791664.6	1	<i>Ulmus americana</i>
391047	<i>Ulmus americana</i>	ELM	GOOD	8		728141.2	1791630.3	1	<i>Ulmus americana</i>
391048	<i>Ulmus americana</i>	ELM	GOOD	8		728153.1	1791639	1	<i>Ulmus americana</i>
391049	<i>Prunus serotina</i>	BLACK CHERRY	GOOD	10		728178.7	1791663.2	1	<i>Prunus serotina</i>
391065	<i>Maclura pomifera</i>	OSAGE ORANGE	GOOD	6		728084.6	1791492.3	1	<i>Maclura pomifera</i>

ID	LATIN NAME	COMMON NAME	CONDITION	D.B.H. (INCHES)	NOTES	NORTHING	EASTING	REPLACEMENT QUANTITY	REPLACEMENT SPECIES
391072	<i>Quercus rubra</i>	RED OAK	GOOD	15		728080	1791415.7	2	<i>Quercus rubra</i>
391073	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	12		728076.1	1791409.1	2	<i>Gleditsia tricanthos</i>
391074	<i>Salix ssp.</i>	WILLOW	LEANING	10		728056.1	1791410.2	1	<i>Salix nigra</i>
391075	<i>Salix ssp.</i>	WILLOW	LEANING	7		728050.8	1791411.1	1	<i>Salix nigra</i>
391076	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	12		728074.1	1791386.9	2	<i>Gleditsia tricanthos</i>
391077	<i>Liriodendron tulipifera</i>	TULIP POPLAR	GOOD	12		728067.3	1791383.1	2	<i>Liriodendron tulipifera</i>
391078	<i>Ulmus americana</i>	ELM	GOOD	10		728096.3	1791389	1	<i>Ulmus americana</i>
391079	<i>Juglans nigra</i>	WALNUT	GOOD	16		728097.7	1791397.1	2	<i>Juglans nigra</i>
391080	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	15		728099.2	1791378.1	2	<i>Gleditsia tricanthos</i>
391081	<i>Ulmus americana</i>	ELM	GOOD	7		728114.5	1791385.9	1	<i>Ulmus americana</i>
391082	<i>Carya ovata</i>	HICKORY	GOOD	7		728109.6	1791373.9	1	<i>Carya ovata</i>
391088	<i>Acer ssp.</i>	MAPLE	GOOD	9		728099.6	1791441.6	1	<i>Acer saccharum</i>
391101	<i>Ulmus americana</i>	ELM	GOOD	6		728105.5	1791286.6	1	<i>Ulmus americana</i>
391102	<i>Maclura pomifera</i>	OSAGE ORANGE	GOOD	11		728089.9	1791283.9	1	<i>Maclura pomifera</i>
391103	<i>Maclura pomifera</i>	OSAGE ORANGE	GOOD	12		728090	1791289.2	2	<i>Maclura pomifera</i>
391104	<i>Ulmus americana</i>	ELM	GOOD	12		728085.7	1791290.4	2	<i>Ulmus americana</i>
391105	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	11		728095.4	1791310.7	1	<i>Gleditsia tricanthos</i>
391106	<i>Crataegus pennsylvanica</i>	HAWTHORN	GOOD	8		728111.4	1791318.3	1	<i>Crataegus pennsylvanica</i>
391107	<i>Ulmus americana</i>	ELM	GOOD	12		728108.1	1791328.5	2	<i>Ulmus americana</i>
391109	<i>Ulmus americana</i>	ELM	GOOD	7		728105.2	1791353.9	1	<i>Ulmus americana</i>
401006	<i>Ulmus americana</i>	ELM	GOOD	6		724636.6	1790937.9	1	<i>Ulmus americana</i>
401007	<i>Acer ssp.</i>	MAPLE	GOOD	6	2 TRUNK	724672	1790941	1	<i>Acer saccharum</i>
401011	<i>Liriodendron tulipifera</i>	TULIP POPLAR	GOOD	7		725018.2	1791014.8	1	<i>Liriodendron tulipifera</i>
401012	<i>Liriodendron tulipifera</i>	TULIP POPLAR	GOOD	7		725058.7	1791013.1	1	<i>Liriodendron tulipifera</i>
401013	<i>Liriodendron tulipifera</i>	TULIP POPLAR	GOOD	6		725396.6	1790982.9	1	<i>Liriodendron tulipifera</i>
401014	<i>Acer ssp.</i>	MAPLE	GOOD	7		725504.4	1790974.1	1	<i>Acer saccharum</i>
401015	<i>Salix ssp.</i>	WILLOW	GOOD	8		725562	1790960.4	1	<i>Salix nigra</i>
401016	<i>Salix ssp.</i>	WILLOW	GOOD	8	2 TRUNK	725559.2	1790961.2	1	<i>Salix nigra</i>
401020	<i>Acer ssp.</i>	MAPLE	GOOD	6		724675.3	1790939.6	1	<i>Acer saccharum</i>
401022	<i>Prunus serotina</i>	BLACK CHERRY	GOOD	7		724546.3	1790908	1	<i>Prunus serotina</i>
401023	<i>Populus deltoides</i>	EASTERN COTTONWOOD	POOR	16		726282	1790896.4	2	<i>Populus deltoides</i>
401024	<i>Populus deltoides</i>	EASTERN COTTONWOOD	POOR	14		726244	1790895.2	2	<i>Populus deltoides</i>
401025	<i>Populus deltoides</i>	EASTERN COTTONWOOD	POOR	16		726190.6	1790905.6	2	<i>Populus deltoides</i>
401026	<i>Acer ssp.</i>	MAPLE	GOOD	6		726027.3	1790885.2	1	<i>Acer nigrum</i>
401027	<i>Acer ssp.</i>	MAPLE	GOOD	9		725682.6	1790959.1	1	<i>Acer nigrum</i>
401028	<i>Acer ssp.</i>	MAPLE	GOOD	9		725676.2	1790963.6	1	<i>Acer nigrum</i>
401029	<i>Acer ssp.</i>	MAPLE	GOOD	10		725648.2	1790962.5	1	<i>Acer nigrum</i>
401030	<i>Acer ssp.</i>	MAPLE	GOOD	6		725626.5	1790964.4	1	<i>Acer nigrum</i>
401031	<i>Acer ssp.</i>	MAPLE	GOOD	6		725619.6	1790916.6	1	<i>Acer nigrum</i>
401051	<i>Acer ssp.</i>	MAPLE	GOOD	9		725486.1	1790778.1	1	<i>Acer nigrum</i>
401052	<i>Carya ovata</i>	HICKORY	GOOD	9		726453.1	1790884.6	1	<i>Carya ovata</i>
401053	<i>Carya ovata</i>	HICKORY	GOOD	9		726463.6	1790880.7	1	<i>Carya ovata</i>
401054	<i>Carya ovata</i>	HICKORY	GOOD	9		726467.7	1790863.8	1	<i>Carya ovata</i>
401055	<i>Carya ovata</i>	HICKORY	GOOD	7	2 TRUNK	726472	1790864.8	1	<i>Carya ovata</i>
401056	<i>Populus deltoides</i>	EASTERN COTTONWOOD	POOR	6		726483.2	1790880.7	1	<i>Populus deltoides</i>
401057	<i>Carya ovata</i>	HICKORY	GOOD	6		726479.9	1790858	1	<i>Carya ovata</i>
411001	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	15		725242	17902		

Drawing name: K:\CIBL\JDEA\190118000\_04ec\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlotSheets\9\_Stream\Reforestation\REForestation\_SUMMARY\_TABLE.dwg EC5 STREAM CORRIDOR PROTECTION ZONE REFORESTATION SUMMARY TABLE Jun 14, 2022 1:11pm by: Gofa.Rivera  
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. None of and no part of this document without written authorization and approval by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

ID	LATIN NAME	COMMON NAME	CONDITION	D.B.H. (INCHES)	NOTES	NORTHING	EASTING	REPLACEMENT QUANTITY	REPLACEMENT SPECIES
411041	<i>Juglans nigra</i>	WALNUT	GOOD	6		726697.8	1790816	1	<i>Juglans nigra</i>
411044	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	22		728145.3	1791735.5	3	<i>Populus deltoides</i>
411045	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	18		728152.4	1791744	2	<i>Populus deltoides</i>
411048	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	20		728148.8	1791709.7	3	<i>Populus deltoides</i>
411049	<i>Prunus serotina</i>	BLACK CHERRY	GOOD	8		728137.9	1791700.6	1	<i>Prunus serotina</i>
411054	<i>Ulmus americana</i>	ELM	GOOD	6		728142.8	1791679.8	1	<i>Ulmus americana</i>
411055	<i>Maclura pomifera</i>	OSAGE ORANGE	GOOD	6		728147.5	1791675.1	1	<i>Maclura pomifera</i>
411056	<i>Maclura pomifera</i>	OSAGE ORANGE	GOOD	6		728142.5	1791666.9	1	<i>Maclura pomifera</i>
411058	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	6		728128.1	1791651.8	1	<i>Populus deltoides</i>
411059	<i>Ulmus americana</i>	ELM	GOOD	6		728123	1791665	1	<i>Ulmus americana</i>
411065	<i>Ulmus americana</i>	ELM	GOOD	6		728237	1791822.8	1	<i>Ulmus americana</i>
411066	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	18		728275.4	1791855.8	2	<i>Populus deltoides</i>
411067	<i>Juglans nigra</i>	WALNUT	GOOD	8		728279.2	1791861.4	1	<i>Juglans nigra</i>
411068	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	19		728342.9	1791883.8	3	<i>Populus deltoides</i>
411069	<i>Juglans nigra</i>	WALNUT	GOOD	6		728349.4	1791900.5	1	<i>Juglans nigra</i>
411072	<i>Carya ovata</i>	HICKORY	GOOD	7		728399.9	1791911.3	1	<i>Carya ovata</i>
411073	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		728418.2	1791924.9	1	<i>Populus deltoides</i>
411074	<i>Ulmus americana</i>	ELM	GOOD	8		728422.3	1791922.8	1	<i>Ulmus americana</i>
411075	<i>Populus deltoides</i>	EASTERN COTTONWOOD	POOR	12		728428.8	1791923.9	2	<i>Populus deltoides</i>
411076	<i>Salix ssp.</i>	WILLOW	POOR	19		728431.5	1791924.1	3	<i>Salix nigra</i>
411077	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	19		728490.1	1791945.8	3	<i>Populus deltoides</i>
411078	<i>Salix ssp.</i>	WILLOW	GOOD	19		728493.9	1791948.4	3	<i>Salix nigra</i>
411079	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	11		728508.5	1791955	1	<i>Populus deltoides</i>
411080	<i>Ulmus americana</i>	ELM	GOOD	10		728508	1791961	1	<i>Ulmus americana</i>
411081	<i>Quercus alba</i>	WHITE OAK	GOOD	7		728501.4	1791975.3	1	<i>Quercus alba</i>
411082	<i>Liriodendron tulipifera</i>	TULIP POPLAR	GOOD	6		728520.1	1791972.7	1	<i>Liriodendron tulipifera</i>
411083	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	21		728552.5	1791982.5	3	<i>Populus deltoides</i>
411084	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	6		728546.1	1791979.7	1	<i>Populus deltoides</i>
411085	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		728562.9	1791985.7	2	<i>Populus deltoides</i>
411086	<i>Ulmus americana</i>	ELM	GOOD	6		728568.8	1791990	1	<i>Ulmus americana</i>
411087	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	12		728606	1792006.9	2	<i>Populus deltoides</i>
411088	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	12		728613.4	1792010.1	2	<i>Populus deltoides</i>
411089	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	6		728620.5	1792049	1	<i>Populus deltoides</i>
421011	<i>Liriodendron tulipifera</i>	TULIP POPLAR	GOOD	12		727995.6	1791443	2	<i>Liriodendron tulipifera</i>
421014	<i>Populus deltoides</i>	EASTERN COTTONWOOD	POOR	13		727973.3	1791440	2	<i>Populus deltoides</i>
421016	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		727967.8	1791439.7	1	<i>Populus deltoides</i>
421029	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	18		727994	1791409.7	2	<i>Populus deltoides</i>
421032	<i>Malus ssp.</i>	APPLE	GOOD	12		728006.7	1791403.1	2	<i>Malus coronaria</i>
421045	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	12		728016.5	1791387.1	2	<i>Gleditsia tricanthos</i>
421047	<i>Liriodendron tulipifera</i>	TULIP POPLAR	POOR	9		728046.1	1791355.7	1	<i>Liriodendron tulipifera</i>
421048	<i>Salix ssp.</i>	WILLOW	POOR	16		728051.2	1791371	2	<i>Salix nigra</i>
421054	<i>Maclura pomifera</i>	OSAGE ORANGE	GOOD	12		728059.7	1791271.3	2	<i>Maclura pomifera</i>
421056	<i>Ulmus americana</i>	ELM	GOOD	9		728059.6	1791300.3	1	<i>Ulmus americana</i>
421057	<i>Maclura pomifera</i>	OSAGE ORANGE	GOOD	12		728060.5	1791313.9	2	<i>Maclura pomifera</i>
421058	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	12		728065.7	1791317	2	<i>Gleditsia tricanthos</i>
421059	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	7		728068.8	1791321.1	1	<i>Gleditsia tricanthos</i>
421060	<i>Carya ovata</i>	HICKORY	GOOD	11		728071.5	1791318.3	1	<i>Carya ovata</i>
421061	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	8		728073.3	1791325.6	1	<i>Gleditsia tricanthos</i>
421062	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	8		728069.2	1791330.4	1	<i>Gleditsia tricanthos</i>
421063	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	9		728065.8	1791337.3	1	<i>Gleditsia tricanthos</i>
421064	<i>Ulmus americana</i>	ELM	GOOD	6		728310.8	1791855.3	1	<i>Ulmus americana</i>
421065	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		728307	1791854.9	2	<i>Populus deltoides</i>
421066	<i>Carya ovata</i>	SHAG BARK HICKORY	GOOD	7		728312.7	1791835	1	<i>Carya ovata</i>
421067	<i>Maclura pomifera</i>	OSAGE ORANGE	GOOD	37		728335.3	1791834.6	5	<i>Maclura pomifera</i>
421070	<i>Carya ovata</i>	SHAG BARK HICKORY	GOOD	9		728352.2	1791844.7	1	<i>Carya ovata</i>
421071	<i>Ulmus americana</i>	ELM	GOOD	7		728336.9	1791852.2	1	<i>Ulmus americana</i>
421072	<i>Carya ovata</i>	SHAG BARK HICKORY	GOOD	6		728357.2	1791858.1	1	<i>Carya ovata</i>
421073	<i>Carya ovata</i>	SHAG BARK HICKORY	GOOD	6		728358.5	1791863.7	1	<i>Carya ovata</i>
421074	<i>Carya ovata</i>	HICKORY	GOOD	6		728360.5	1791860.9	1	<i>Carya ovata</i>
421075	<i>Carya ovata</i>	SHAG BARK HICKORY	GOOD	12		728372.6	1791858.8	2	<i>Carya ovata</i>
421087	<i>Quercus rubra</i>	RED OAK	GOOD	10		728308.5	1791798	1	<i>Quercus rubra</i>
421091	<i>Quercus rubra</i>	RED OAK	GOOD	7		728302.5	1791818.7	1	<i>Quercus rubra</i>
421092	<i>Quercus rubra</i>	RED OAK	GOOD	10		728292.9	1791816.9	1	<i>Quercus rubra</i>
421093	<i>Quercus rubra</i>	RED OAK	GOOD	8		728288.3	1791810.3	1	<i>Quercus rubra</i>
421094	<i>Ulmus americana</i>	ELM	GOOD	6		728292.9	1791836.4	1	<i>Ulmus americana</i>
421095	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	16		728275.1	1791817.9	2	<i>Populus deltoides</i>
421096	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	16		728267.2	1791814.4	2	<i>Populus deltoides</i>
421097	<i>Ulmus americana</i>	ELM	GOOD	7		728257.4	1791816.9	1	<i>Ulmus americana</i>
421098	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		728263.2	1791807	2	<i>Populus deltoides</i>
421100	<i>Quercus rubra</i>	RED OAK	GOOD	7		728286.6	1791801.5	1	<i>Quercus rubra</i>

ID	LATIN NAME	COMMON NAME	CONDITION	D.B.H. (INCHES)	NOTES	NORTHING	EASTING	REPLACEMENT QUANTITY	REPLACEMENT SPECIES
421109	<i>Quercus rubra</i>	RED OAK	GOOD	13		728270.8	1791778.4	2	<i>Quercus rubra</i>
421111	<i>Quercus rubra</i>	RED OAK	GOOD	11		728270.6	1791787.1	1	<i>Quercus rubra</i>
421112	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	17		728255.9	1791800.4	2	<i>Populus deltoides</i>
421113	<i>Ulmus americana</i>	ELM	GOOD	11		728238.2	1791789.4	1	<i>Ulmus americana</i>
451001	<i>Carya ovata</i>	SHAG BARK HICKORY	GOOD	8		728231.6	1791751.9	1	<i>Carya ovata</i>
451002	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	13		728228.9	1791761.4	2	<i>Populus deltoides</i>
451003	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	22		728226.8	1791765	3	<i>Populus deltoides</i>
451004	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	19		728220.4	1791763.9	3	<i>Populus deltoides</i>
451005	<i>Populus deltoides</i>	EASTERN COTTONWOOD	POOR	22		728213.4	1791767	3	<i>Populus deltoides</i>
451006	<i>Juglans nigra</i>	WALNUT	GOOD	9		728212.9	1791742.1	1	<i>Juglans nigra</i>
451007	<i>Ulmus americana</i>	ELM	GOOD	6		728208.1	1791742.3	1	<i>Ulmus americana</i>
451008	<i>Ulmus americana</i>	ELM	GOOD	11		728206	1791734.1	1	<i>Ulmus americana</i>
451010	<i>Ulmus americana</i>	ELM	GOOD	7		728193.4	1791719	1	<i>Ulmus americana</i>
451011	<i>Crataegus pennsylvanica</i>	HAWTHORN	GOOD	6		728198.5	1791706.3	1	<i>Crataegus pennsylvanica</i>
451012	<i>Ulmus americana</i>	ELM	GOOD	6		728192.4	1791700.2	1	<i>Ulmus americana</i>
451013	<i>Liriodendron tulipifera</i>	TULIP POPLAR	GOOD	7		728188.5	1791687.6	1	<i>Liriodendron tulipifera</i>
451022	<i>Carya ovata</i>	SHAG BARK HICKORY	GOOD	11		728385.9	1791871.5	1	<i>Carya ovata</i>
451023	<i>Carya ovata</i>	HICKORY	GOOD	7		728418.2	1791880	1	<i>Carya ovata</i>
451024	<i>Carya ovata</i>	HICKORY	GOOD	7		728415.6	1791892.8	1	<i>Carya ovata</i>
451025	<i>Carya ovata</i>	HICKORY	GOOD	11		728433.2	1791887.3	1	<i>Carya ovata</i>
451026	<i>Quercus alba</i>	WHITE OAK	GOOD	11		728435.7	1791882.6	1	<i>Quercus alba</i>
451027	<i>Carya ovata</i>	HICKORY	GOOD	6		728426.2	1791882.9	1	<i>Carya ovata</i>
451028	<i>Ulmus americana</i>	ELM	GOOD	7		728454.6	1791882.5	1	<i>Ulmus americana</i>
451029	<i>Acer ssp.</i>	MAPLE	GOOD	11		728457.2	1791884	1	<i>Acer rubrum</i>
451036	<i>Carya ovata</i>	SHAG BARK HICKORY	GOOD	10		728528	1791927.8	1	<i>Carya ovata</i>
451037	<i>Carya ovata</i>	SHAG BARK HICKORY	GOOD	6		728521	1791943.3	1	<i>Carya ovata</i>
451038	<i>Carya ovata</i>	SHAG BARK HICKORY	GOOD	11		728541.8	1791934.8	1	<i>Carya ovata</i>
451039	<i>Quercus rubra</i>	RED OAK	GOOD	18		728564.6	1791942.3	2	<i>Quercus rubra</i>
451040	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		728552.1	1791965.4	2	<i>Populus deltoides</i>
451041	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	11		728590.3	1791985.1	1	<i>Populus deltoides</i>
451042	<i>Juglans nigra</i>	WALNUT	GOOD	6		728597.3	1791979.1	1	<i>Juglans nigra</i>
451048	<i>Quercus rubra</i>	RED OAK	GOOD	12		728670.5	1792003.6	2	<i>Quercus rubra</i>
451049	<i>Carya ovata</i>	HICKORY	GOOD	6		728668	1792000.9	1	<i>Carya ovata</i>
451054	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		728688	1792033.8	1	<i>Populus deltoides</i>
451055	<i>Prunus serotina</i>	BLACK CHERRY	GOOD	6		728674	1792019	1	<i>Prunus serotina</i>
451056	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		728682.3	1792031	1	<i>Populus deltoides</i>
451057	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		728743.8	1792024.5	2	<i>Populus deltoides</i>
451061	<i>Carya ovata</i>	HICKORY	GOOD	8		728766.6	1792025.5	1	<i>Carya ovata</i>
451063	<i>Juglans nigra</i>	WALNUT	GOOD	12		728761	1792043.3	2	<i>Juglans nigra</i>
451064	<i>Juglans nigra</i>	WALNUT	GOOD	11		728780.7	1792042.7	1	<i>Juglans nigra</i>
451066	<i>Ulmus americana</i>	ELM	GOOD	8		728779.4	1792066.6	1	<i>Ulmus americana</i>
451070	<i>Prunus serotina</i>	BLACK CHERRY	GOOD	10		728806	1792081.9	1	<i>Prunus serotina</i>
451071	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		728819.7	1792091.2	1	<i>Populus deltoides</i>
451072	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	11		728832	1792094.8	1	<i>Populus deltoides</i>
451073	<i>Salix ssp.</i>	WILLOW	FAIR	6		729225.5	1792275.2	1	<i>Salix nigra</i>
451074	<i>Ulmus americana</i>	ELM	GOOD	6		729229.4	1792270.8	1	<i>Ulmus americana</i>
451075	<i>Ulmus americana</i>	ELM	GOOD	11		729233.3	1792257		

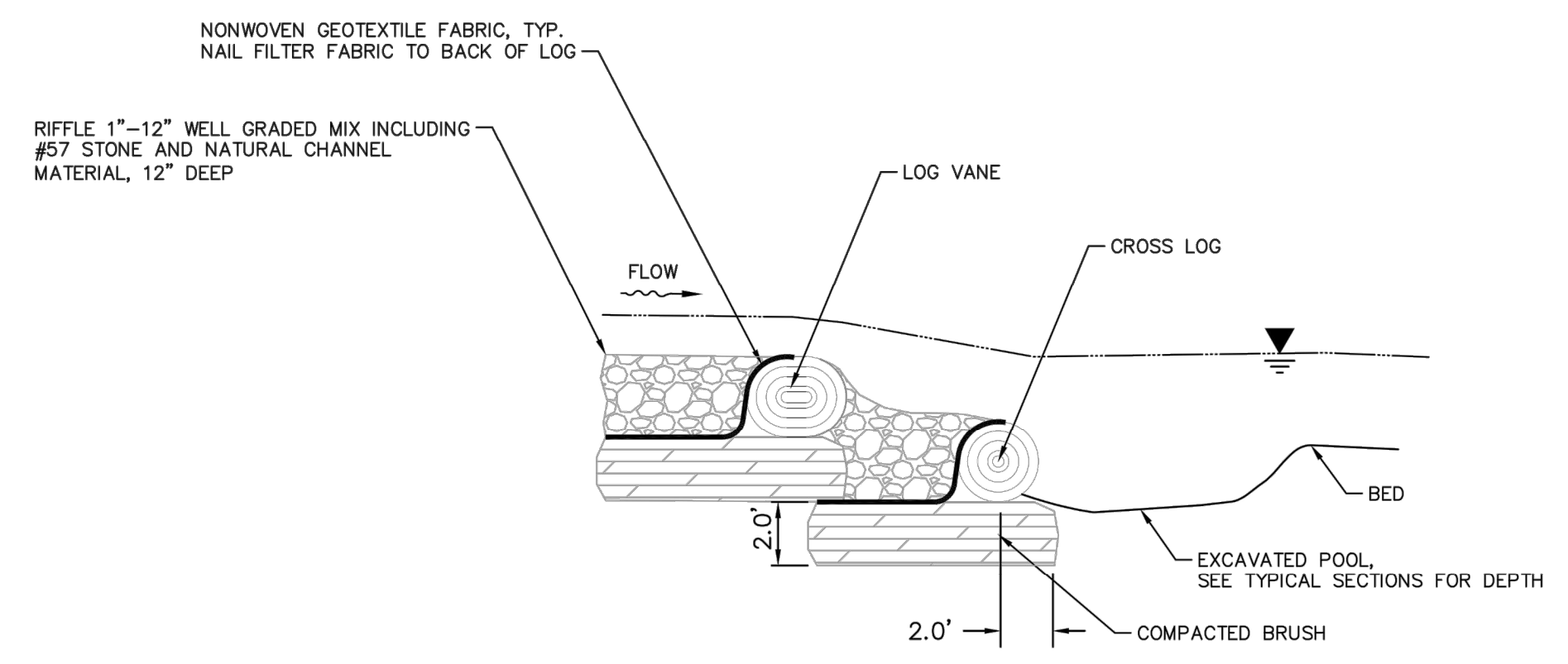
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 Stream Corridor Protection Zone Reforestation Summary Table  
 Jun 14, 2022 1:11pm by: Gavin Rivara  
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ID	LATIN NAME	COMMON NAME	CONDITION	D.B.H. (INCHES)	NOTES	NORTHING	EASTING	REPLACEMENT QUANTITY	REPLACEMENT SPECIES
451113	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	13		728999.6	1792179.7	2	<i>Populus deltoides</i>
451114	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		728994.3	1792178	2	<i>Populus deltoides</i>
451116	<i>Ulmus americana</i>	ELM	GOOD	13		728915.4	1792133.8	2	<i>Ulmus americana</i>
451117	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		728912.5	1792136.6	1	<i>Populus deltoides</i>
451118	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		728910.8	1792133.9	1	<i>Populus deltoides</i>
451119	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		728892.7	1792130.9	1	<i>Populus deltoides</i>
451120	<i>Ulmus americana</i>	ELM	GOOD	10		728899.3	1792105.1	1	<i>Ulmus americana</i>
451121	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	6		728871.9	1792119.5	1	<i>Populus deltoides</i>
451122	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	16		728867.9	1792115.2	2	<i>Populus deltoides</i>
451123	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	8		728850.7	1792110.3	1	<i>Populus deltoides</i>
451124	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	8		728844.2	1792103.7	1	<i>Populus deltoides</i>
451125	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	12		728841.9	1792101.8	2	<i>Populus deltoides</i>
461000	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	9		729247.5	1792273.4	1	<i>Populus deltoides</i>
461001	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	19		729263.8	1792278.9	3	<i>Populus deltoides</i>
461002	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	21		729269.4	1792277.2	3	<i>Populus deltoides</i>
461009	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		729325.4	1792293.9	2	<i>Populus deltoides</i>
461010	<i>Ulmus americana</i>	ELM	GOOD	9		729345.1	1792299.1	1	<i>Ulmus americana</i>
461011	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	16		729364.2	1792299.7	2	<i>Populus deltoides</i>
461012	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	7		729396.6	1792315.5	1	<i>Populus deltoides</i>
461013	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	8		729400.4	1792316.8	1	<i>Populus deltoides</i>
461014	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	12		729421.8	1792317.2	2	<i>Populus deltoides</i>
461015	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	12		729451.6	1792328.4	2	<i>Populus deltoides</i>
461016	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		729465.9	1792330.3	2	<i>Populus deltoides</i>
461017	<i>Ulmus americana</i>	ELM	GOOD	12		729475.4	1792327	2	<i>Ulmus americana</i>
461020	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	13		729482.9	1792332.9	2	<i>Populus deltoides</i>
461021	<i>Ulmus americana</i>	ELM	GOOD	7		729499.2	1792327.2	1	<i>Ulmus americana</i>
461022	<i>Ulmus americana</i>	ELM	FAIR	7		729530.1	1792342	1	<i>Ulmus americana</i>
461023	<i>Liriodendron tulipifera</i>	TULIP POPLAR	GOOD	10		729535	1792332.6	1	<i>Liriodendron tulipifera</i>
461024	<i>Morus ssp.</i>	MULBERRY	GOOD	10		729540.7	1792334.4	1	<i>Morus rubra</i>
461025	<i>Ulmus americana</i>	ELM	GOOD	8		729531.9	1792324.3	1	<i>Ulmus americana</i>
461027	<i>Ulmus americana</i>	ELM	POOR	6		729539.5	1792345.8	1	<i>Ulmus americana</i>
461028	<i>Ulmus americana</i>	ELM	POOR	6		729556.8	1792343.7	1	<i>Ulmus americana</i>
461029	<i>Ulmus americana</i>	ELM	POOR	11		729579.7	1792355.7	1	<i>Ulmus americana</i>
461031	<i>Ulmus americana</i>	ELM	POOR	7		729595.9	1792362	1	<i>Ulmus americana</i>
461032	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	16		729593.2	1792365.8	2	<i>Populus deltoides</i>
461034	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	6		728663.9	1792035.9	1	<i>Populus deltoides</i>
461035	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	13		728675.2	1792039.7	2	<i>Populus deltoides</i>
461036	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	6		728678.7	1792040.6	1	<i>Populus deltoides</i>
461037	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	12		728688	1792047.2	2	<i>Populus deltoides</i>
461038	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	7		728698.2	1792050.5	1	<i>Populus deltoides</i>
461039	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	11		728698.2	1792052.4	1	<i>Populus deltoides</i>
461041	<i>Ulmus americana</i>	ELM	GOOD	6		728724.1	1792063	1	<i>Ulmus americana</i>
461042	<i>Ulmus americana</i>	ELM	GOOD	6		728727.5	1792069.9	1	<i>Ulmus americana</i>
461043	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		728732.1	1792067.1	2	<i>Populus deltoides</i>
461044	<i>Populus deltoides</i>	EASTERN COTTONWOOD	FAIR	13		728736.3	1792069.6	2	<i>Populus deltoides</i>
461045	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		728782.8	1792093.4	1	<i>Populus deltoides</i>
461046	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	13		728790.2	1792096.3	2	<i>Populus deltoides</i>
461047	<i>Populus deltoides</i>	EASTERN COTTONWOOD	FAIR	12		728792.3	1792094.2	2	<i>Populus deltoides</i>
461048	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		728797.7	1792098.8	2	<i>Populus deltoides</i>
461049	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		728849.1	1792122.2	1	<i>Populus deltoides</i>
461050	<i>Ulmus americana</i>	ELM	POOR	9		728864.9	1792132.9	1	<i>Ulmus americana</i>
461051	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	16		728876.1	1792135.4	2	<i>Populus deltoides</i>
461052	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	12		728912.4	1792152.2	2	<i>Populus deltoides</i>
461053	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		728931.2	1792161	1	<i>Populus deltoides</i>
461054	<i>Ulmus americana</i>	ELM	GOOD	8		728936.1	1792163.7	1	<i>Ulmus americana</i>
461055	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	11		729000.9	1792193.7	1	<i>Populus deltoides</i>
461056	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	17		729004.9	1792194.4	2	<i>Populus deltoides</i>
461057	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	12		729020.2	1792201	2	<i>Populus deltoides</i>
461058	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	8		729018.4	1792203.5	1	<i>Populus deltoides</i>
461059	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	11		729026	1792206.8	1	<i>Populus deltoides</i>
461060	<i>Populus deltoides</i>	EASTERN COTTONWOOD	POOR	8		729048.7	1792215.8	1	<i>Populus deltoides</i>
461061	<i>Ulmus americana</i>	ELM	GOOD	8		729082.8	1792235.4	1	<i>Ulmus americana</i>
461062	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		729087.5	1792239	2	<i>Populus deltoides</i>
461063	<i>Populus deltoides</i>	EASTERN COTTONWOOD	FAIR	16		729135	1792252.2	2	<i>Populus deltoides</i>
461065	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		729183.2	1792272.4	2	<i>Populus deltoides</i>
461066	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	17		729213.1	1792288.6	2	<i>Populus deltoides</i>
461067	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	12		729215.2	1792284	2	<i>Populus deltoides</i>
461068	<i>Ulmus americana</i>	ELM	GOOD	6		729257.6	1792295	1	<i>Ulmus americana</i>
461069	<i>Ulmus americana</i>	ELM	GOOD	6		729313.1	1792330	1	<i>Ulmus americana</i>
461070	<i>Juglans nigra</i>	WALNUT	GOOD	6		729312.7	1792328.3	1	<i>Juglans nigra</i>
461071	<i>Populus deltoides</i>	EASTERN COTTONWOOD	FAIR	22		729339.5	1792315	3	<i>Populus deltoides</i>

ID	LATIN NAME	COMMON NAME	CONDITION	D.B.H. (INCHES)	NOTES	NORTHING	EASTING	REPLACEMENT QUANTITY	REPLACEMENT SPECIES
461072	<i>Acer ssp.</i>	MAPLE	GOOD	7		729343.3	1792342.9	1	<i>Acer rubrum</i>
461073	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	17		729382.9	1792331.5	2	<i>Populus deltoides</i>
461074	<i>Acer ssp.</i>	MAPLE	GOOD	6		729385.3	1792347.4	1	<i>Acer rubrum</i>
461075	<i>Juglans nigra</i>	WALNUT	GOOD	6		729387.5	1792355.5	1	<i>Juglans nigra</i>
461076	<i>Ulmus americana</i>	ELM	GOOD	10		729397.2	1792359.7	1	<i>Ulmus americana</i>
461077	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		729401.5	1792331.1	1	<i>Populus deltoides</i>
461078	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	12		729402.3	1792334.3	2	<i>Populus deltoides</i>
461079	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	15		729415.4	1792334.1	2	<i>Populus deltoides</i>
461080	<i>Populus deltoides</i>	EASTERN COTTONWOOD	FAIR	14		729418	1792338.1	2	<i>Populus deltoides</i>
461081	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	18		729425.2	1792341.5	2	<i>Populus deltoides</i>
461082	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		729428.9	1792338.3	1	<i>Populus deltoides</i>
461083	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	11		729431.7	1792339.6	1	<i>Populus deltoides</i>
461084	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	15		729436.2	1792341.3	2	<i>Populus deltoides</i>
461085	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		729438.9	1792344	2	<i>Populus deltoides</i>
461086	<i>Ulmus americana</i>	ELM	GOOD	10		729432.8	1792371.9	1	<i>Ulmus americana</i>
461087	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	14		729445.3	1792343.2	2	<i>Populus deltoides</i>
461088	<i>Ulmus americana</i>	ELM	GOOD	10		729447.8	1792342.2	1	<i>Ulmus americana</i>
461089	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		729466.5	1792350.5	1	<i>Populus deltoides</i>
461090	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	10		729477.2	1792355.6	1	<i>Populus deltoides</i>
461091	<i>Ulmus americana</i>	ELM	GOOD	8		729482.8	1792386.8	1	<i>Ulmus americana</i>
461092	<i>Juglans nigra</i>	WALNUT	GOOD	8		729486.3	1792385.8	1	<i>Juglans nigra</i>
461093	<i>Juglans nigra</i>	WALNUT	GOOD	8		729500.2	1792379.5	1	<i>Juglans nigra</i>
461094	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	23		729520.3	1792365.9	3	<i>Populus deltoides</i>
461095	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	17		729528.4	1792364.9	2	<i>Populus deltoides</i>
461096	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	15		729570.5	1792383.6	2	<i>Populus deltoides</i>
461097	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	15		729577.8	1792382.9	2	<i>Populus deltoides</i>
461098	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	19		729595.7	1792386.5	3	<i>Populus deltoides</i>
461099	<i>Juglans nigra</i>	WALNUT	GOOD	11		729591.8	1792396.6	1	<i>Juglans nigra</i>
461104	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	6		729622.8	1792403	1	<i>Populus deltoides</i>
461105	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	6		729663.4	1792402.3	1	<i>Populus deltoides</i>
461106	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	8		729678.1	1792404.3	1	<i>Populus deltoides</i>
461107	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	16		729686.5	1792407.1	2	<i>Populus deltoides</i>
461108	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	19		729694.4	1792415.3	3	<i>Populus deltoides</i>
461109	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	8		729707.9	1792426.4	1	<i>Populus deltoides</i>
461110	<i>Carya ovata</i>	SHAG BARK HICKORY	GOOD	8		729742.6	1792434.1	1	<i>Carya ovata</i>
461111	<i>Populus deltoides</i>	EASTERN COTTONWOOD	POOR	14		729806.4	1792431.4	2	<i>Populus deltoides</i>
461112	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	13		729814.9	1792432.7	2	<i>Populus deltoides</i>
461113	<i>Populus deltoides</i>	EASTERN COTTONWOOD	GOOD	22		729915	1792443.9	3	<i>Populus deltoides</i>
461114	<i>Prunus serotina</i>	BLACK CHERRY	GOOD	6		729944.8	1792481.2	1	<i>Prunus serotina</i>
461115	<i>Gleditsia tricanthos</i>	HONEY LOCUST	GOOD	12		729941.7	1792463.7	2	<i>Gleditsia tricanthos</i>
461116	<i>Prunus serotina</i>	BLACK CHERRY	GOOD	6		729930.8	1792461.8	1	<i>Prunus serotina</i>
461117	<i>Acer ssp.</i>	MAPLE	GOOD	12		729947.3	1792447.3	2	<i>Acer rubrum</i>
461118	<i>Ulmus americana</i>	ELM	POOR	8		728426.2	1791898.7	1	<i>Ulmus americana</i>
461119	<i>Ulmus americana</i>	ELM	POOR	8		728451.9	1791901.5	1	<i>Ulmus americana</i>
461120	<i>Ulmus americana</i>	ELM	GOOD	9		72844			



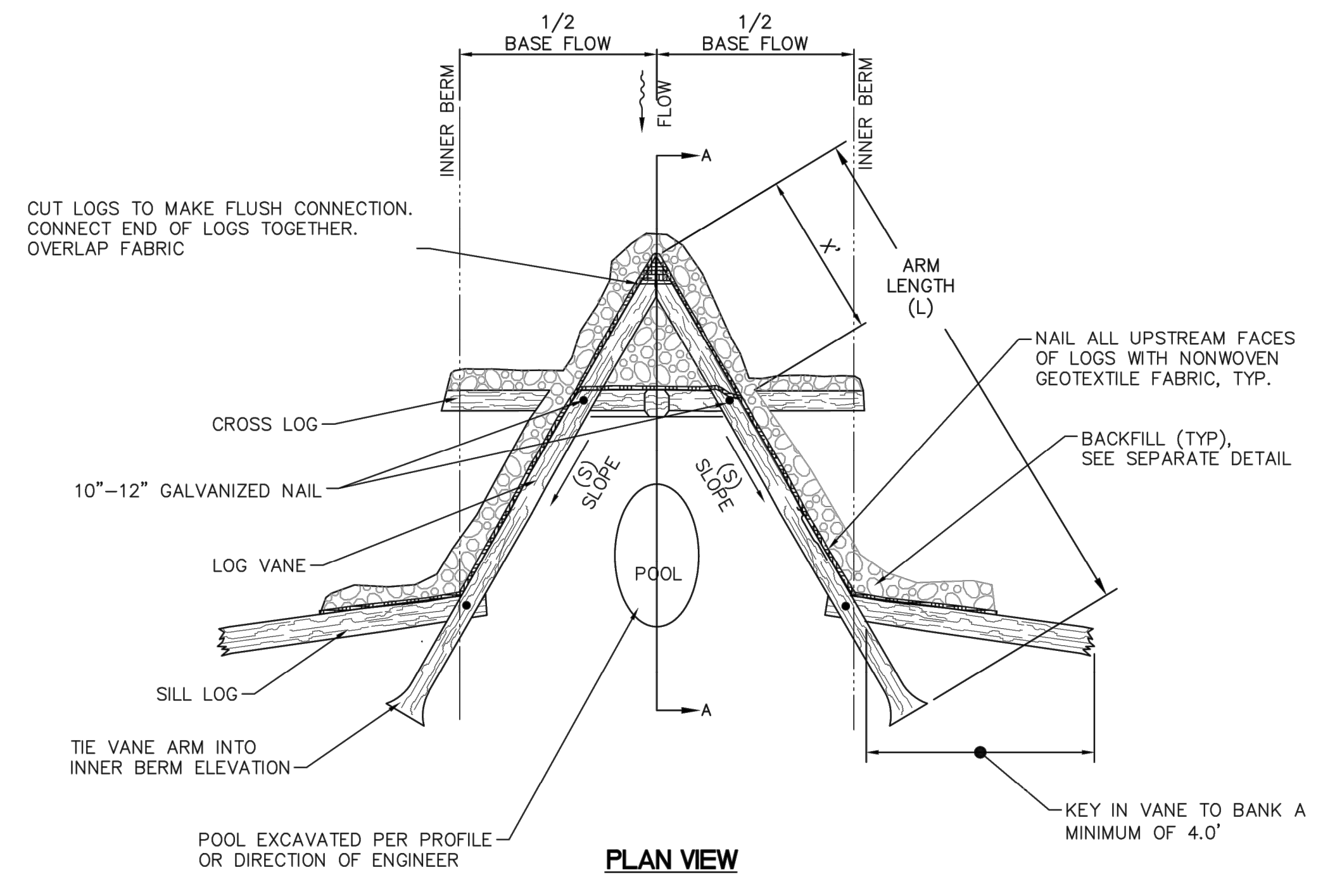
Drawing name: K:\CIB\_LDEA\190118000\_3dsec\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlanSheets\9\_StreamRestoration\DETAILS.dwg    DATE: Jun 14, 2022, 1:11pm    BY: Colin Rivera  
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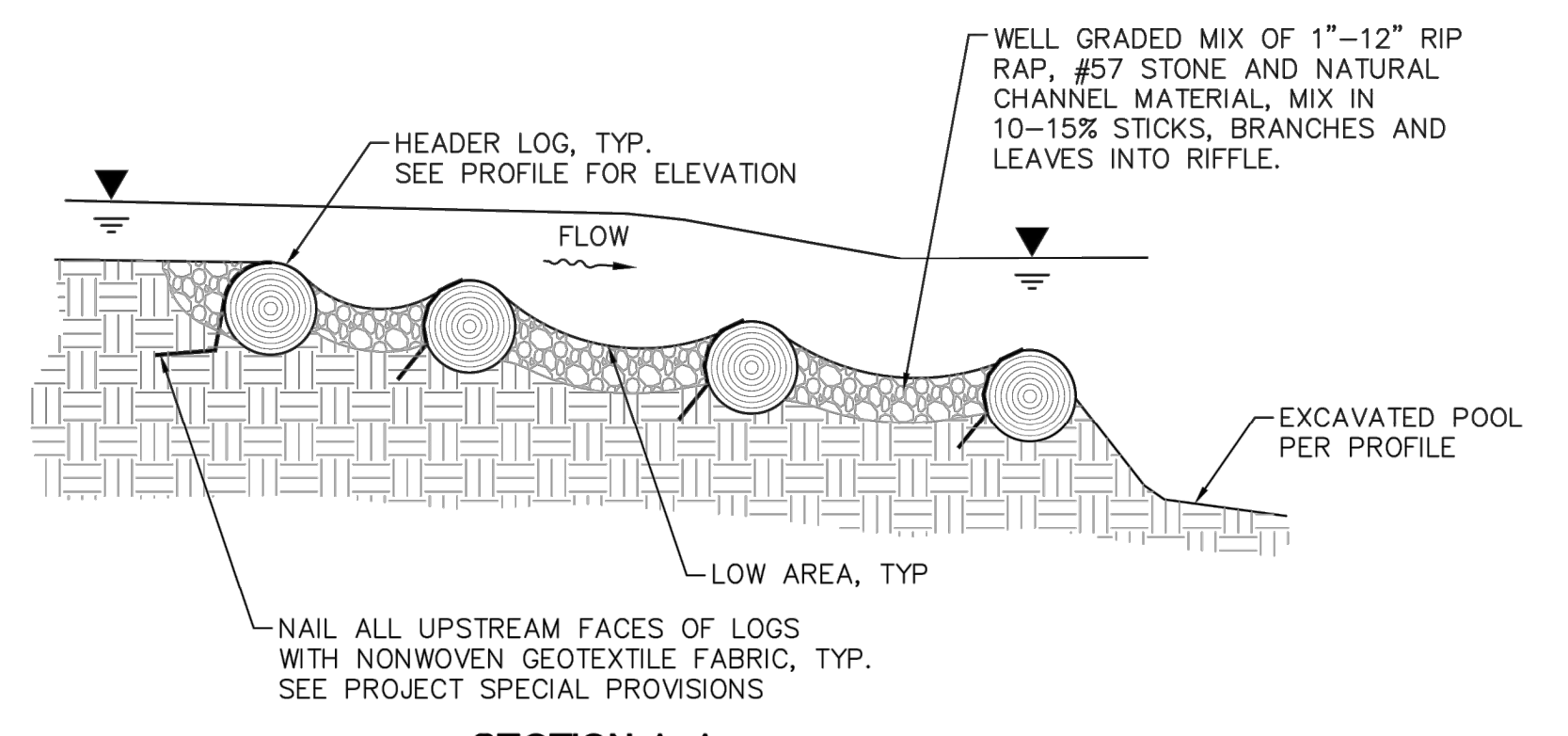
**SECTION A-A**

REACH	WBRR TRIE
ARM LENGTH (L)	15'
ARM TIE-IN HEIGHT	0.3'
ARM SLOPE (S)	1.0%-2.0%
STEP SPACING (X)	5'

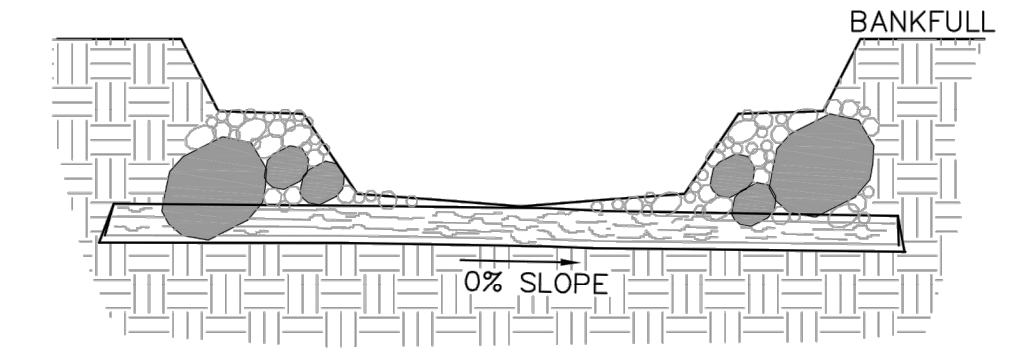
- NOTES:
1. DEEPEST PART OF POOL TO BE IN LINE WITH WHERE VANE ARM TIES INTO THE BANK.
  2. BACKFILL MIX TO BE USED TO REDUCE VOIDS BETWEEN LOGS.
  3. ALL LOGS TO BE HARDWOOD SPECIES, 8"-10" DIAMETER MINIMUM.



**LOG CROSS VANE**  
NOT TO SCALE

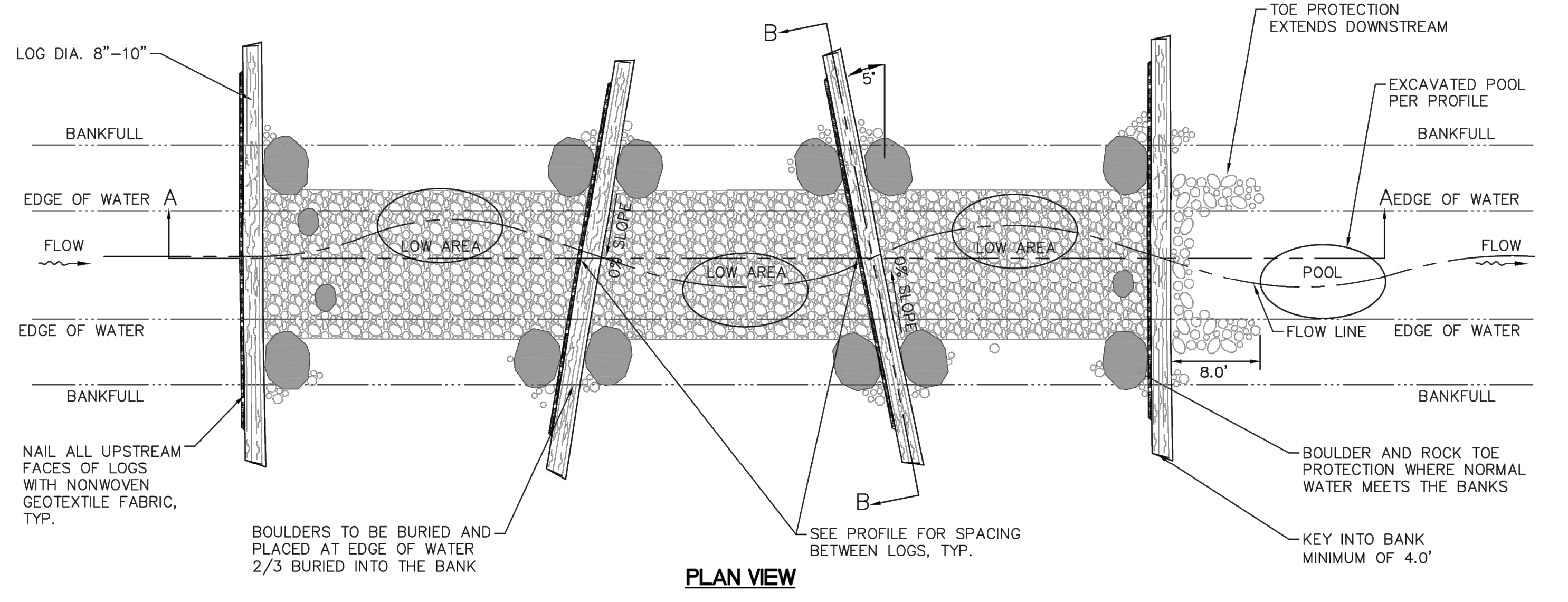


**SECTION A-A**



**SECTION B-B**

- NOTES:
1. PLACE FABRIC ON THE UPSTREAM SIDE OF THE MOST UPSTREAM LOG SILL IN THE CONSTRUCTED RIFFLE.
  2. BOULDERS SHALL BE USED TO ANCHOR LOGS IF NEEDED.
  3. LOG SILLS SHALL OVERLAP AND ANCHOR THE LOG SILL DIRECTLY UPSTREAM.
  4. THE LOG SILL SHALL ALL BE DESIGNED TO BE SUBMERGED OR COVERED AT LOW FLOWS.
  5. BOULDERS SHALL BE 18" MIN.
  6. AFTER ENGINEER HAS ACCEPTED STRUCTURE, THE NONWOVEN GEOTEXTILE FABRIC SHOULD BE TRIMMED TO MINIMIZE THE AMOUNT VISIBLE ON TOP OF LOG.



**LOG AND ROCK RIFFLE**  
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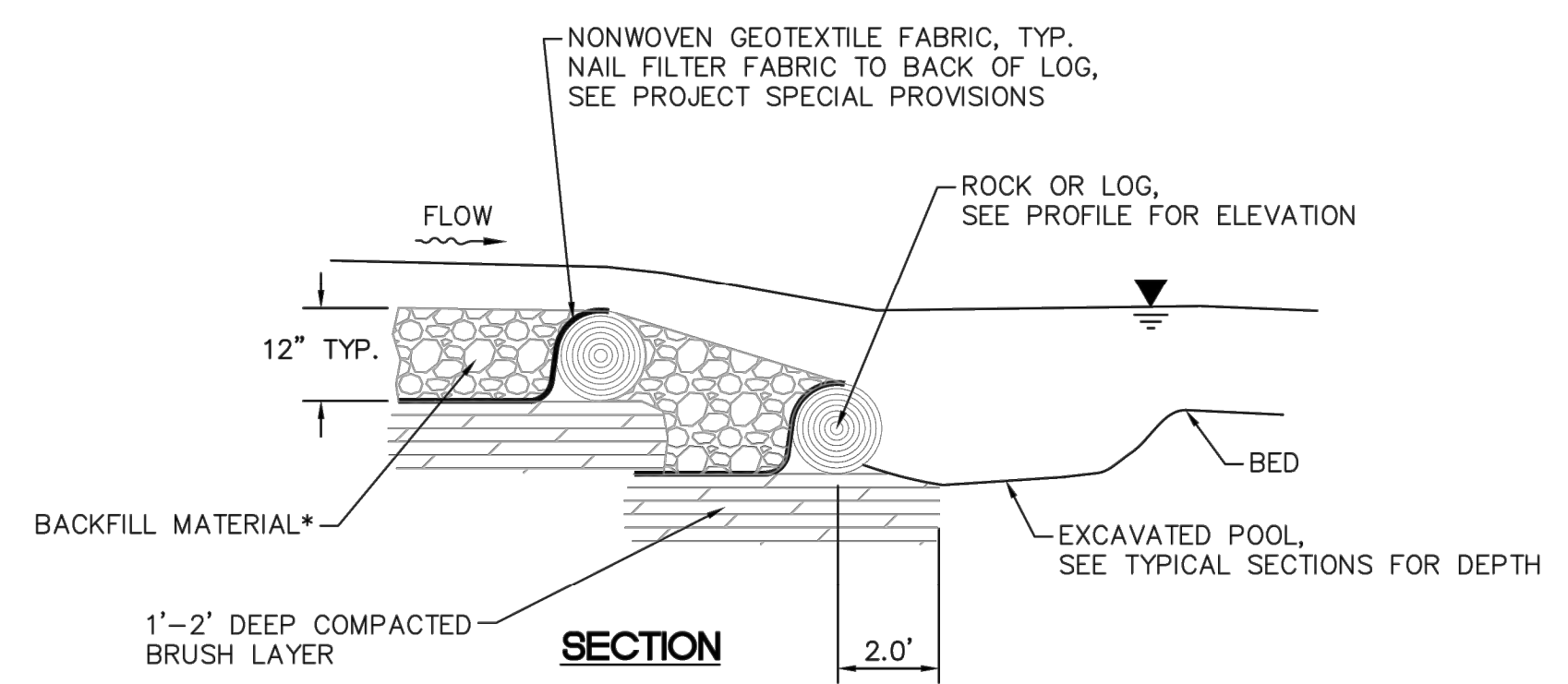
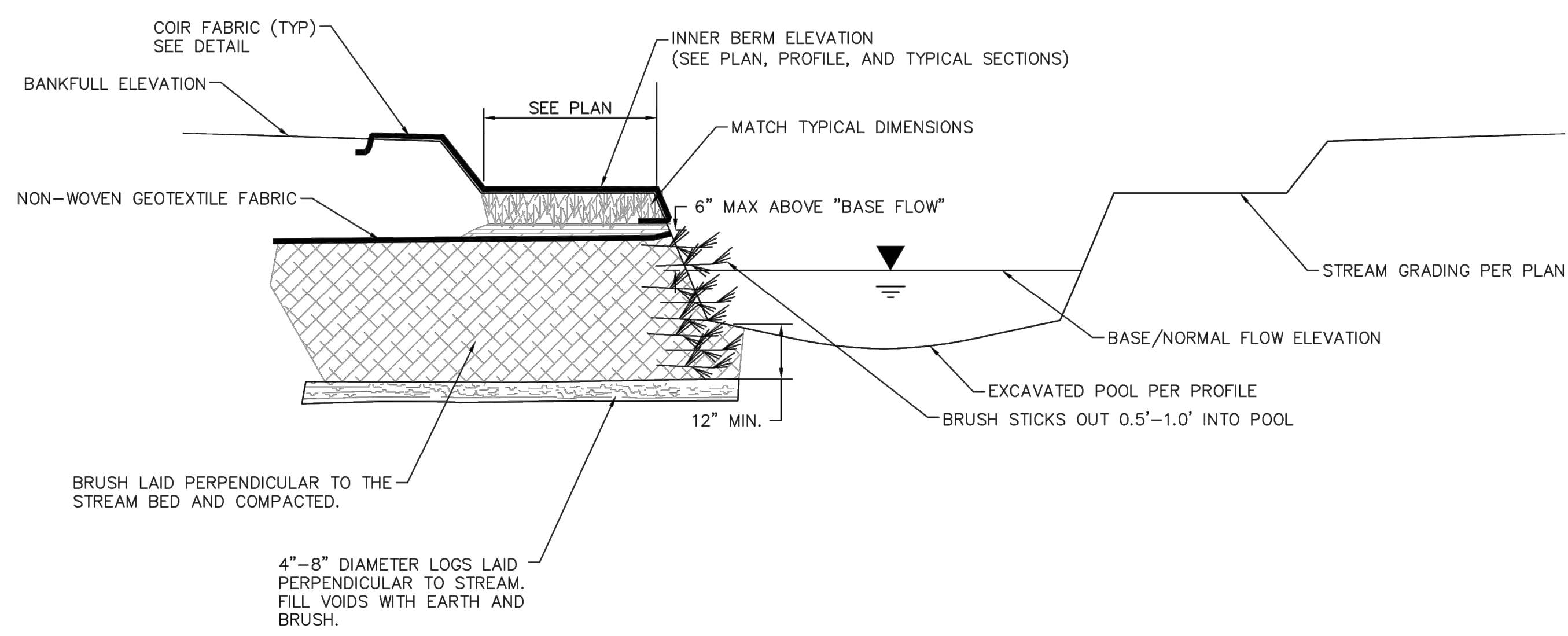
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**DETAILS**

STREAM CORRIDOR PROTECTION ZONE  
 RESTORATION PLANS  
**BUCKEYE YARD**  
 CITY OF COLUMBUS, FRANKLIN COUNTY, OH

ORIGINAL ISSUE:  
 06/13/2022  
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 190118000  
 SHEET NUMBER  
**EC6.0**

Drawing name: K:\CIB\LBE\190118000\_3dsec\_Buckeye\_Yard\_Columbus\_OH\_2\_Design\CAD\PlanSheets\9\_StreamRestoration\DETAILS.dwg    Layout (2)    Jun 14, 2022 1:11pm    By: Geoff Rivers  
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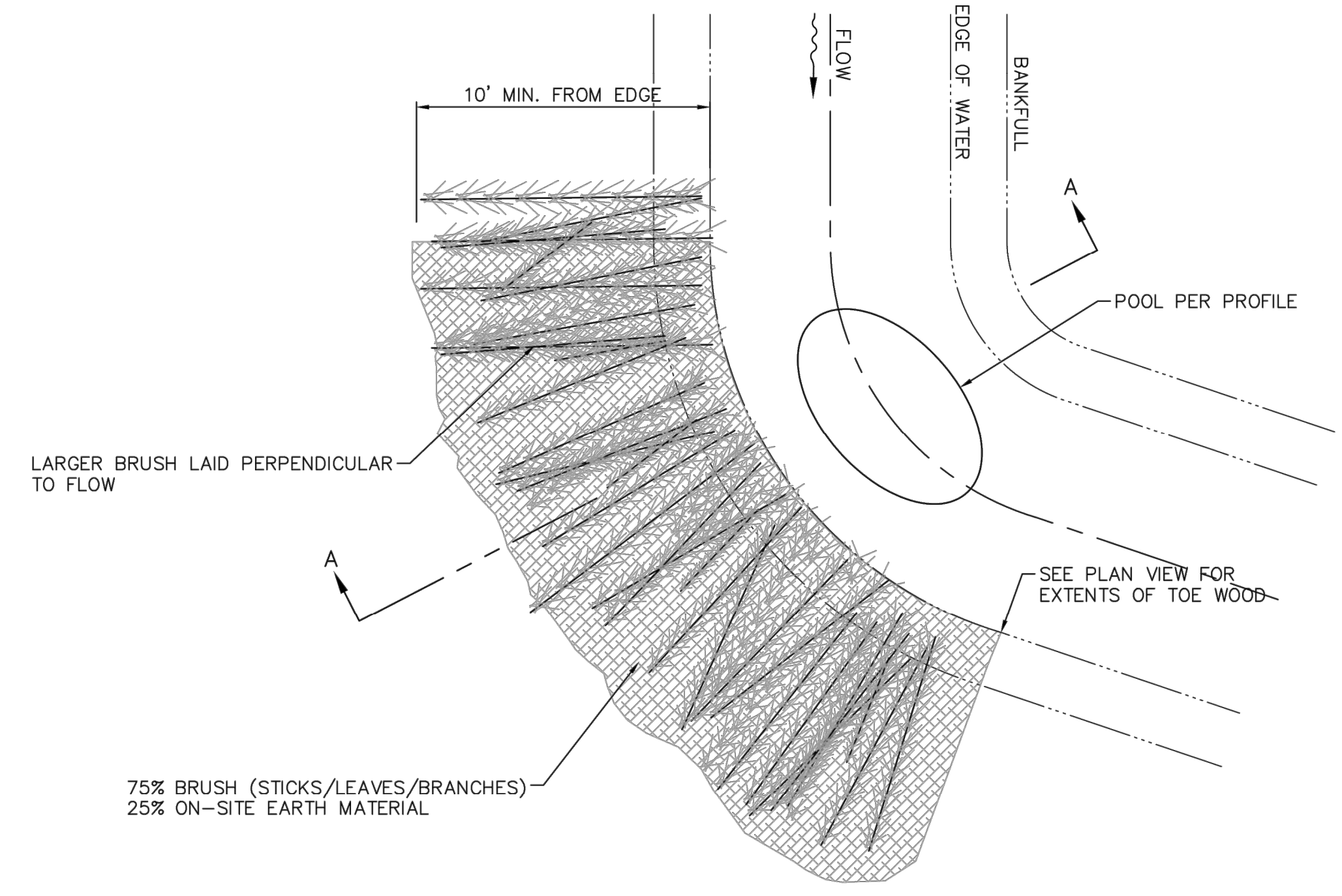
**\*BACKFILL MATERIAL (WELL GRADED MIX)**

1"-12" RIP RAP	75%
ON-SITE COBBLE AND GRAVEL	10%
#57 STONE	10%
MULCH (FROM ON-SITE)	5%

% IS MEASURED BY VOLUME

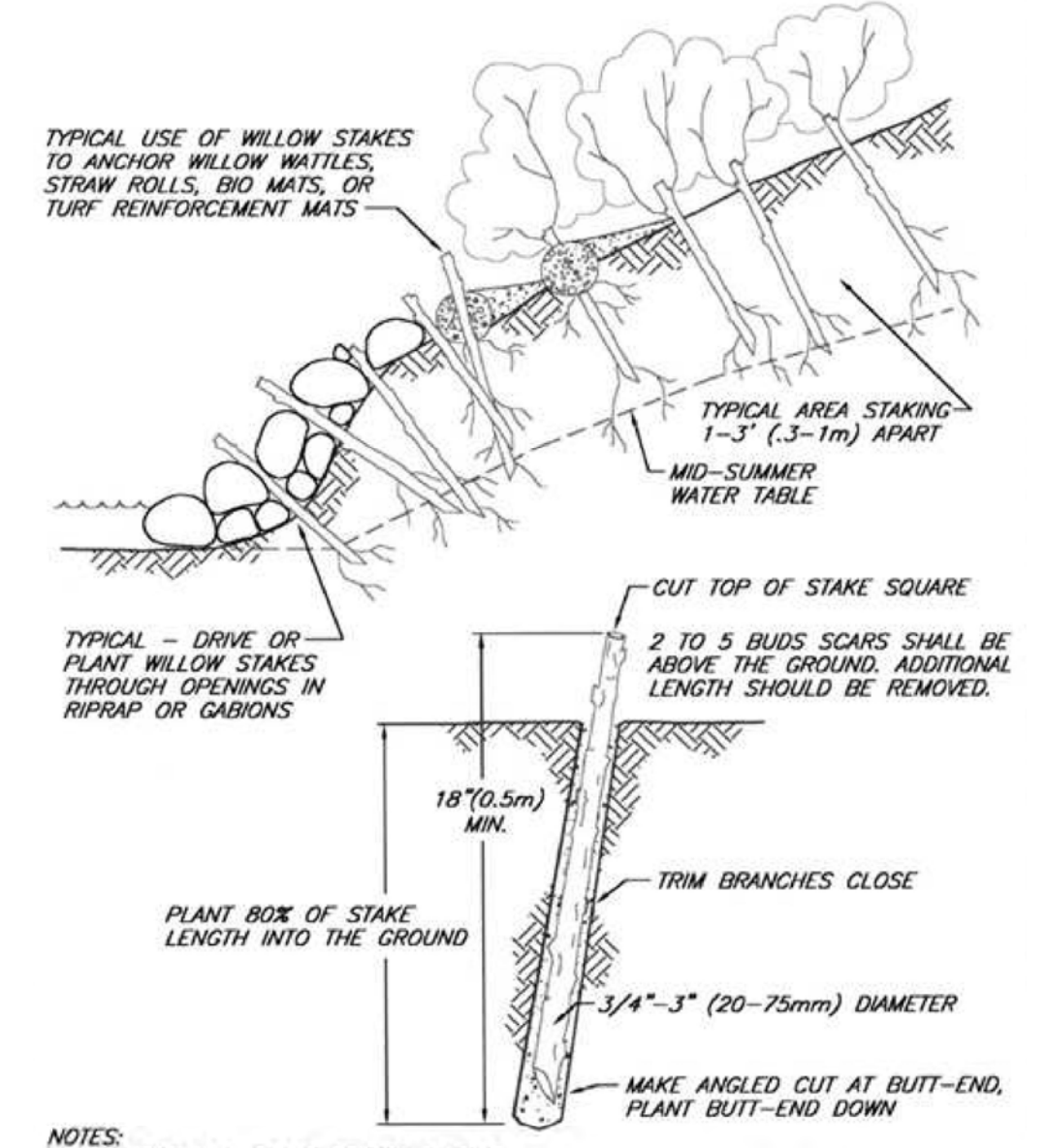
\*BRUSH LAYER TO BE LAID PERPENDICULAR TO FLOW

**LOG STRUCTURE BACKFILL DETAIL**  
NOT TO SCALE



- NOTE:**
- BRUSH SHALL BE A VARIETY OF DIAMETERS AND SHALL BE LAID GENERALLY PERPENDICULAR TO FLOW AND COMPACTED BY DIRT.
  - FIRST LAYER OF BRUSH SHALL BE A BED OF 3" LIMBS/BRUSH SET 18" MIN. BELOW THE BED.
  - LAYERS ABOVE 1st LAYER SHALL BE 75% BRUSH OF A VARIETY OF SIZES WITH 25% ON SITE MATERIAL FILLING VOIDS.
  - BRUSH BROUGHT UP IN LIFTS.
  - GRADING ABOVE THE TOE WOOD PER THE TYPICAL SECTION AND/OR GRADING PLAN.

**TOE WOOD**  
NOT TO SCALE



- NOTES:**
- HARVEST AND PLANT STAKES DURING THE DORMANT SEASON.
  - USE HEALTHY, STRAIGHT AND LIVE WOOD AT LEAST 1 YEAR OLD.
  - MAKE CLEAN CUTS AND DO NOT DAMAGE STAKES OR SPLIT ENDS DURING INSTALLATION. USE A PLOT BAR IN FIRM SOILS.
  - SOAK CUTTINGS FOR 24 HOURS (MIN.) PRIOR TO INSTALLATION.
  - TAMP THE SOIL AROUND THE STAKE.

**LIVE STAKING**  
NOT TO SCALE

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 CHECKED BY: JMM

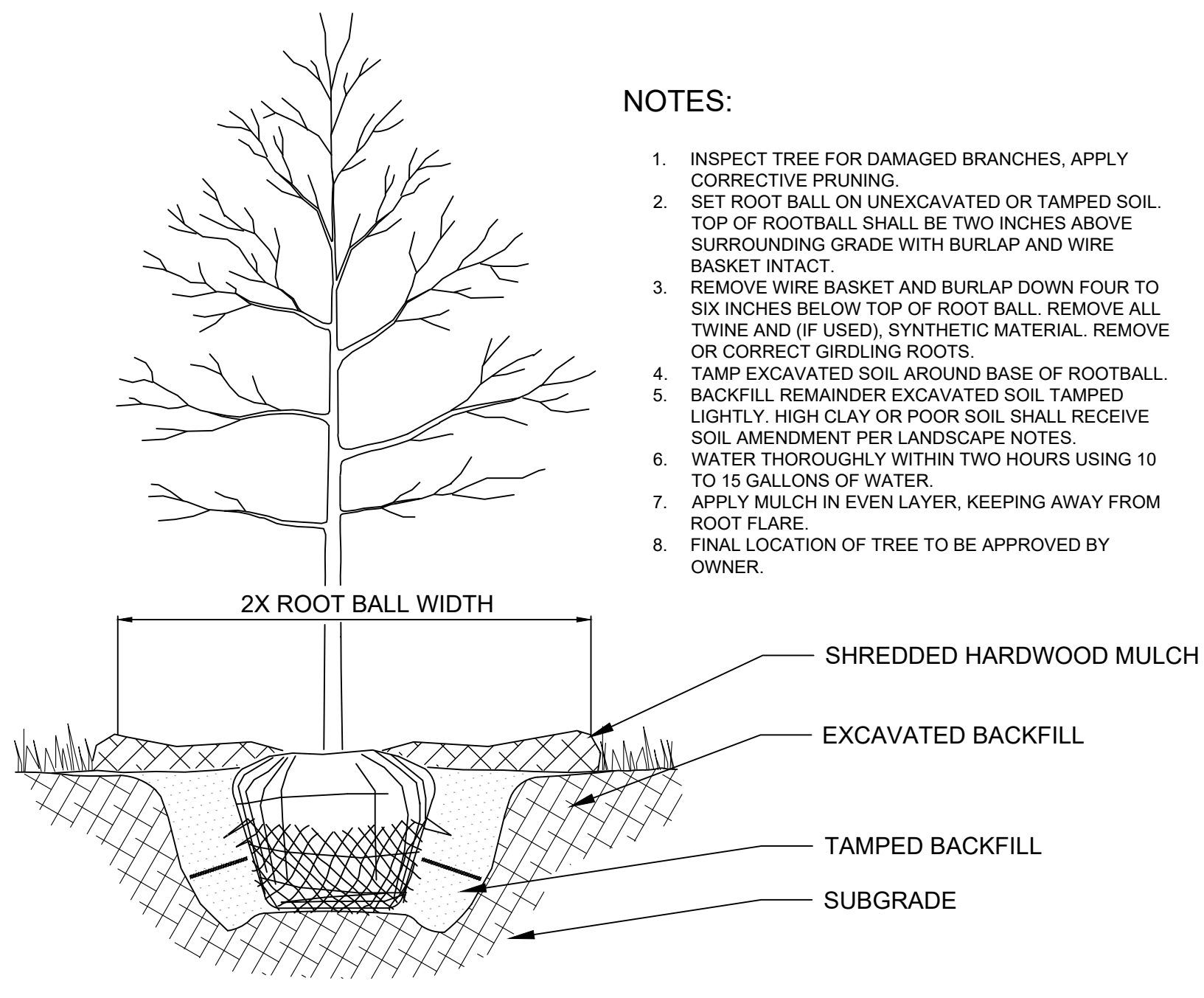
**DETAILS**

STREAM CORRIDOR PROTECTION ZONE  
 REFORESTATION PLANS  
**BUCKEYE YARD**  
 CITY OF COLUMBUS, FRANKLIN COUNTY, OH

ORIGINAL ISSUE:  
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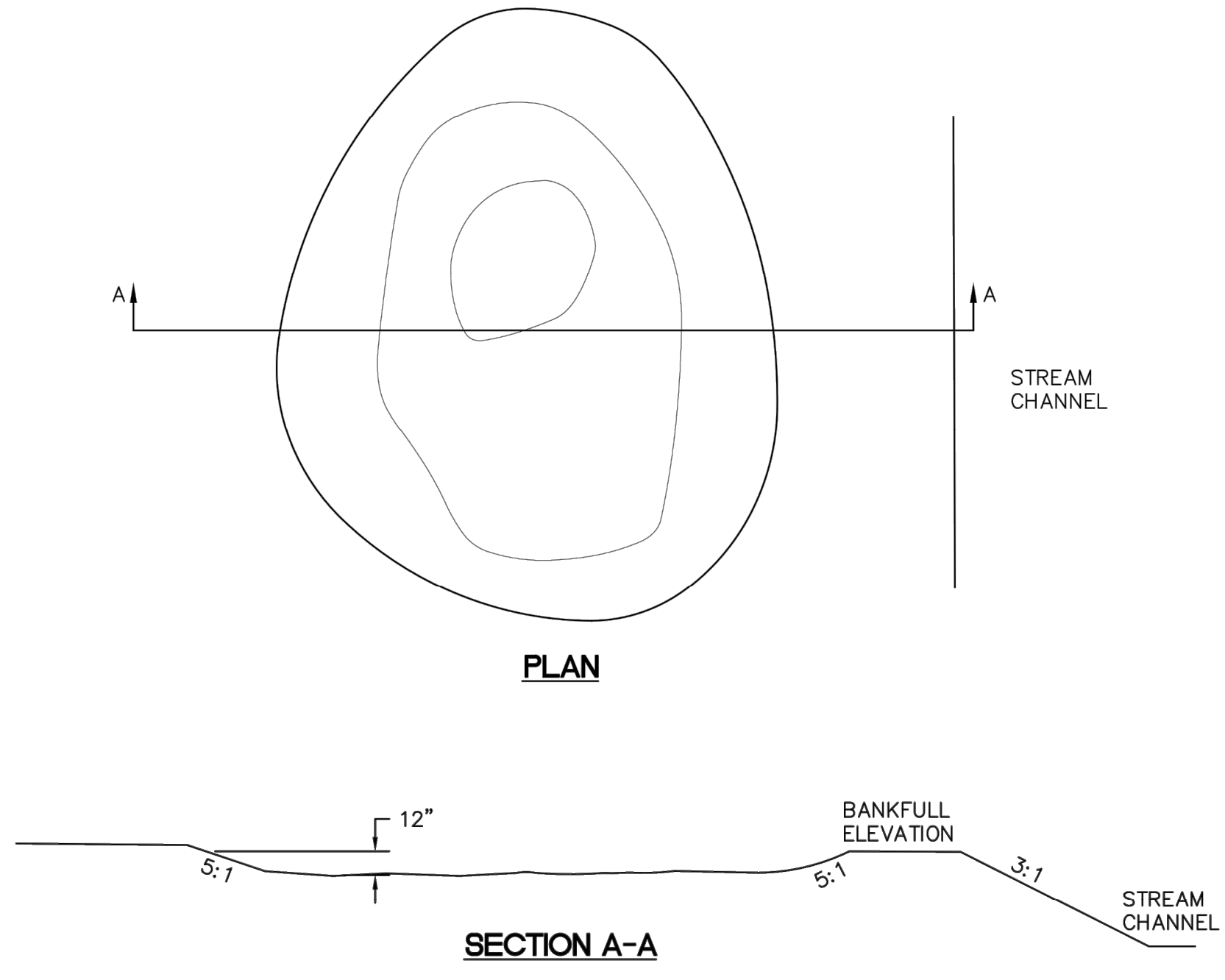


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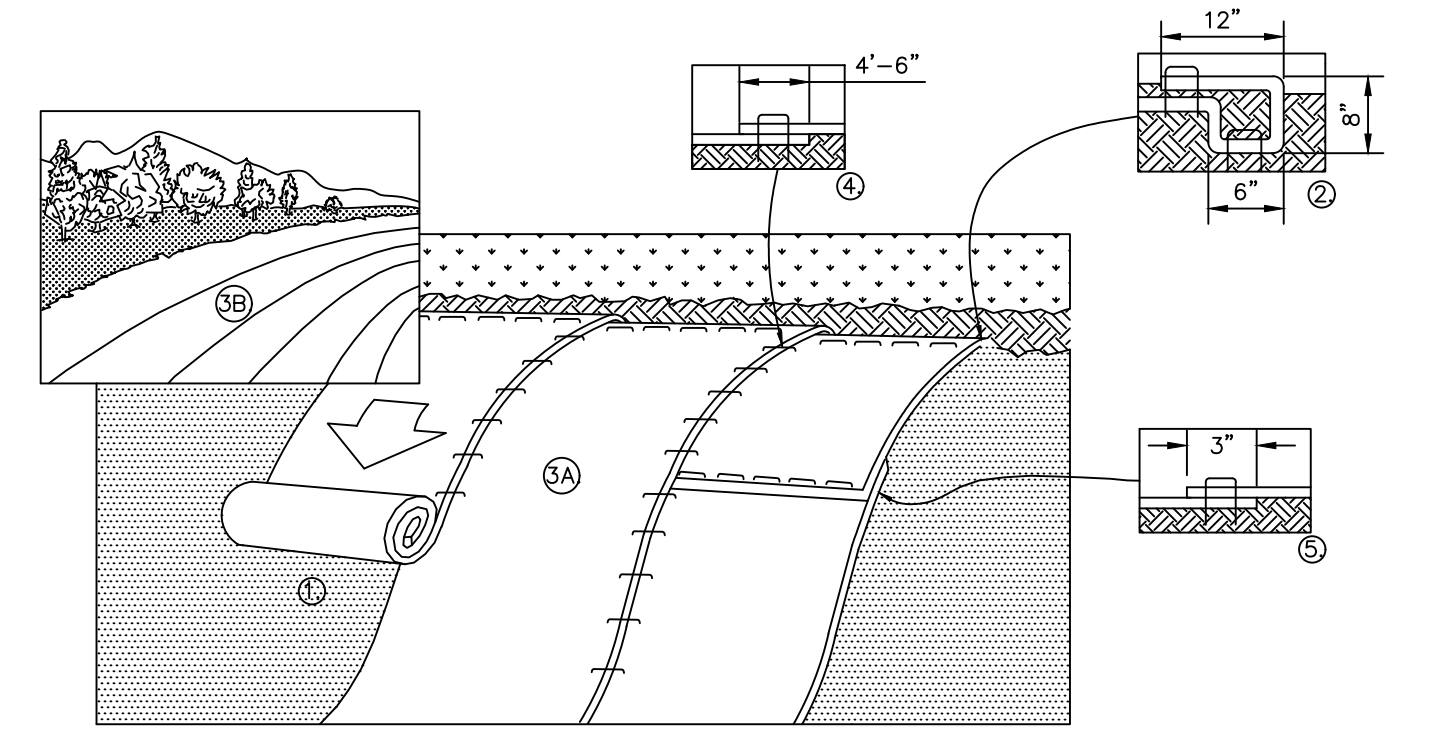
- NOTES:**
1. INSPECT TREE FOR DAMAGED BRANCHES, APPLY CORRECTIVE PRUNING.
  2. SET ROOT BALL ON UNEXCAVATED OR TAMPED SOIL. TOP OF ROOTBALL SHALL BE TWO INCHES ABOVE SURROUNDING GRADE WITH BURLAP AND WIRE BASKET INTACT.
  3. REMOVE WIRE BASKET AND BURLAP DOWN FOUR TO SIX INCHES BELOW TOP OF ROOT BALL. REMOVE ALL TWINE AND (IF USED), SYNTHETIC MATERIAL. REMOVE OR CORRECT GIRDLING ROOTS.
  4. TAMP EXCAVATED SOIL AROUND BASE OF ROOTBALL. BACKFILL REMAINDER EXCAVATED SOIL TAMPED LIGHTLY. HIGH CLAY OR POOR SOIL SHALL RECEIVE SOIL AMENDMENT PER LANDSCAPE NOTES.
  5. WATER THOROUGHLY WITHIN TWO HOURS USING 10 TO 15 GALLONS OF WATER.
  6. APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE.
  7. FINAL LOCATION OF TREE TO BE APPROVED BY OWNER.

**TREE PLANTING DETAIL**  
NOT TO SCALE



**NOTE:**  
FOR SIZE AND SHAPE SEE PLAN VIEWS.

**VERNAL POOL DETAIL**  
NOT TO SCALE

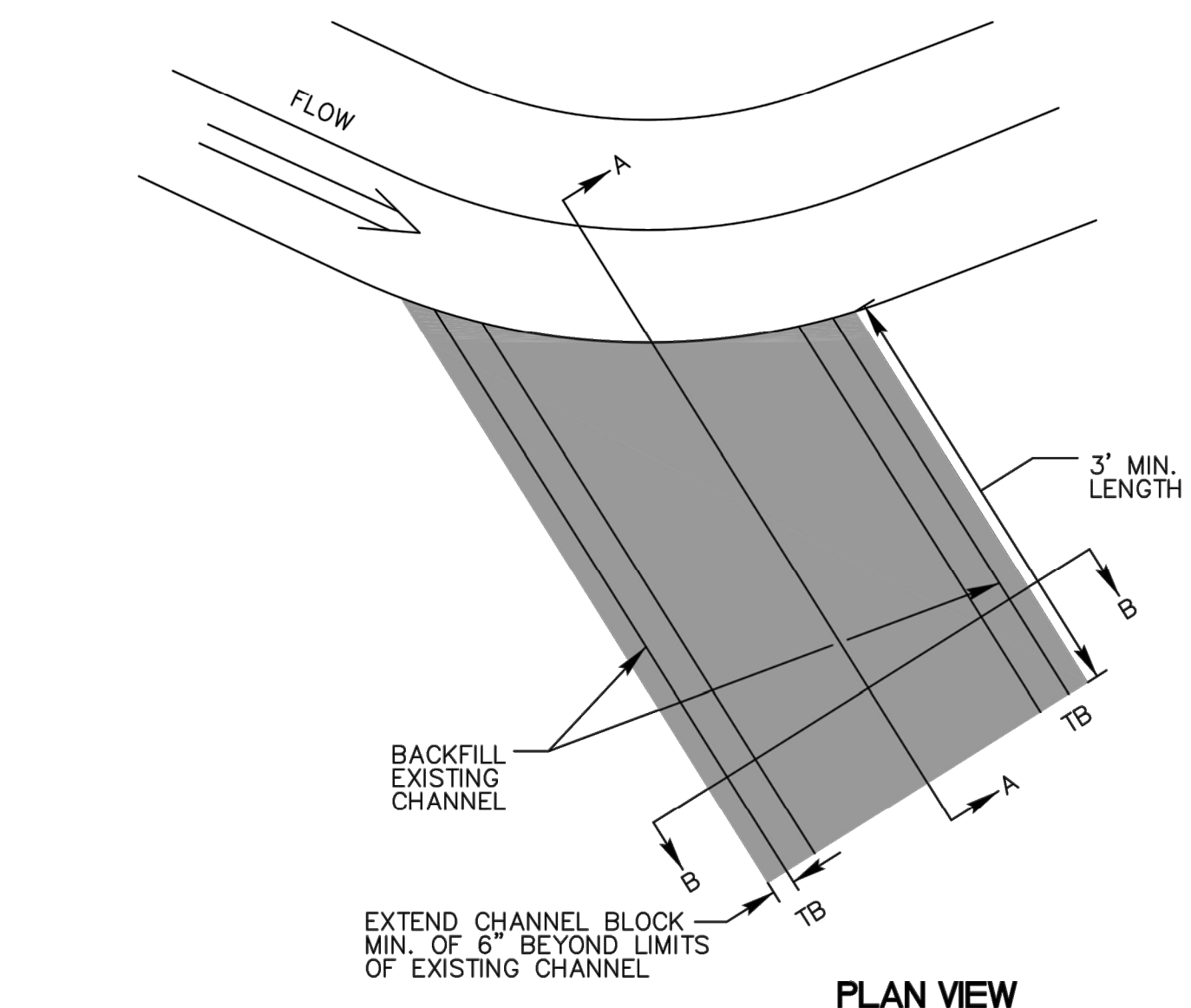
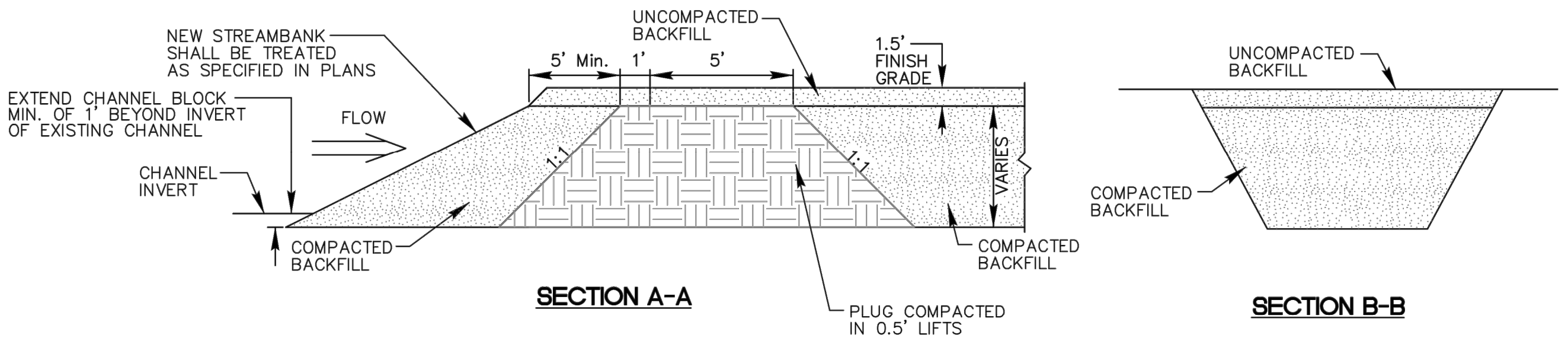


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH AS SHOWN IN DETAIL 2. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURER'S RECOMMENDATION.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH MINIMUM 6" OVERLAP. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
6. PLACE STAPLES/STAKES PER MANUFACTURER'S RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.

- NOTES:**
1. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
  2. FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION.
  3. PERVIOUS LAND WITH SLOPES RUNNING GREATER THAN OR EQUAL TO 4:1 SHALL CONTAIN SLOPE STABILIZATION BLANKET.
  4. ALL BLANKETS SHALL BE INSPECTED REGULARLY AFTER INSTALLATION, ESPECIALLY AFTER STORMS TO CHECK FOR EROSION OR UNDERMINING OF THE PRODUCT. MAKE NEEDED REPAIRS IMMEDIATELY, ADDRESSING RILLS OR GULLIES THAT HAVE DEVELOPED PRIOR TO REPLACING THE R.E.C.P., IN THE CASE EROSION REPAIRS, ASSURE THAT SUBSEQUENT RUNOFF ACROSS THE AREA IS DISPERSED OR ADEQUATELY SPREAD.
  5. ALL BLANKETS SHALL MEET THE SPECIFICATIONS BELOW:

MATERIAL	MAXIMUM LENGTH OF PROTECTION
STRAW	10-12 MONTHS
STRAW/COCONUT	24 MONTHS
COCONUT	36 MONTHS
EXCELSIOR	36 MONTHS

**EROSION CONTROL BLANKET**  
NOT TO SCALE



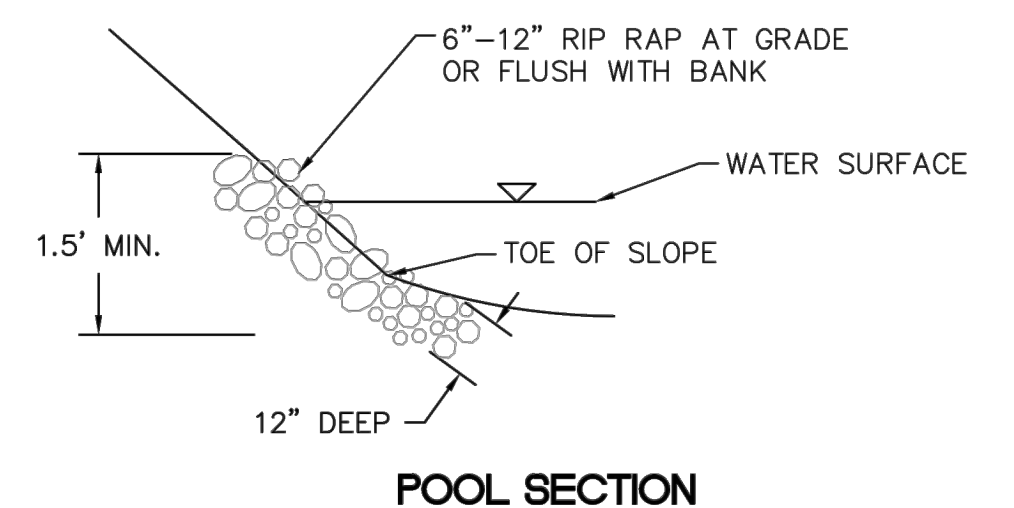
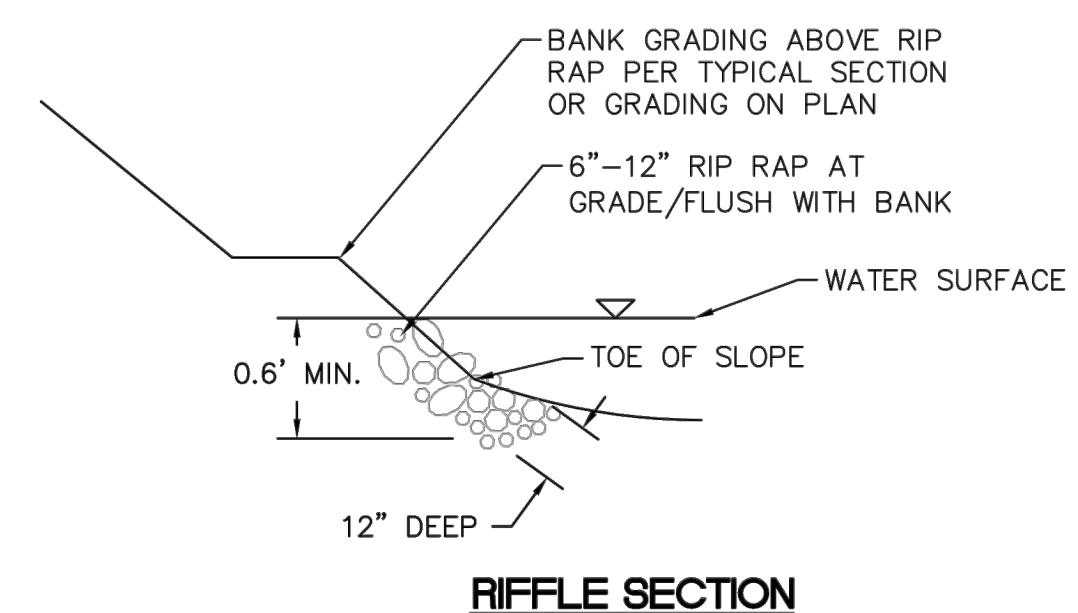
- NOTES:**
1. BOTTOM OF BLOCK SHOULD BE A MINIMUM OF 1' BELOW THE INVERT OF THE EXISTING CHANNEL.
  2. COMPACT BACKFILL TO EXTENT POSSIBLE OR AT THE DIRECTION OF THE ENGINEER.

**CHANNEL BLOCK**  
NOT TO SCALE

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A			*	*	*				
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C				D					
SODDING			E									
MULCHING	F		**									

- A KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE  
 B KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + 2 TONS STRAW MULCH/ACRE  
 C SPRING OATS 100 LBS/ACRE  
 D WHEAT OR CEREAL RYE 150 LBS/ACRE  
 E SOD  
 F STRAW MULCH 2 TONS/ACRE  
 \* WATERING NEEDED DURING JUNE AND JULY  
 \*\* WATERING NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD

**SEEDING CHART**  
NOT TO SCALE



**ROCK TOE PROTECTION**  
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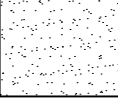
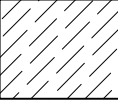
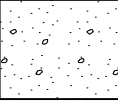
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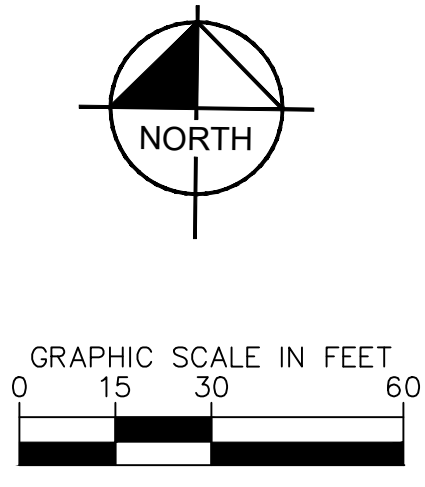
STREAM CORRIDOR PROTECTION ZONE  
 RESTORATION PLANS  
**BUCKEYE YARD**  
 CITY OF COLUMBUS, FRANKLIN COUNTY, OH

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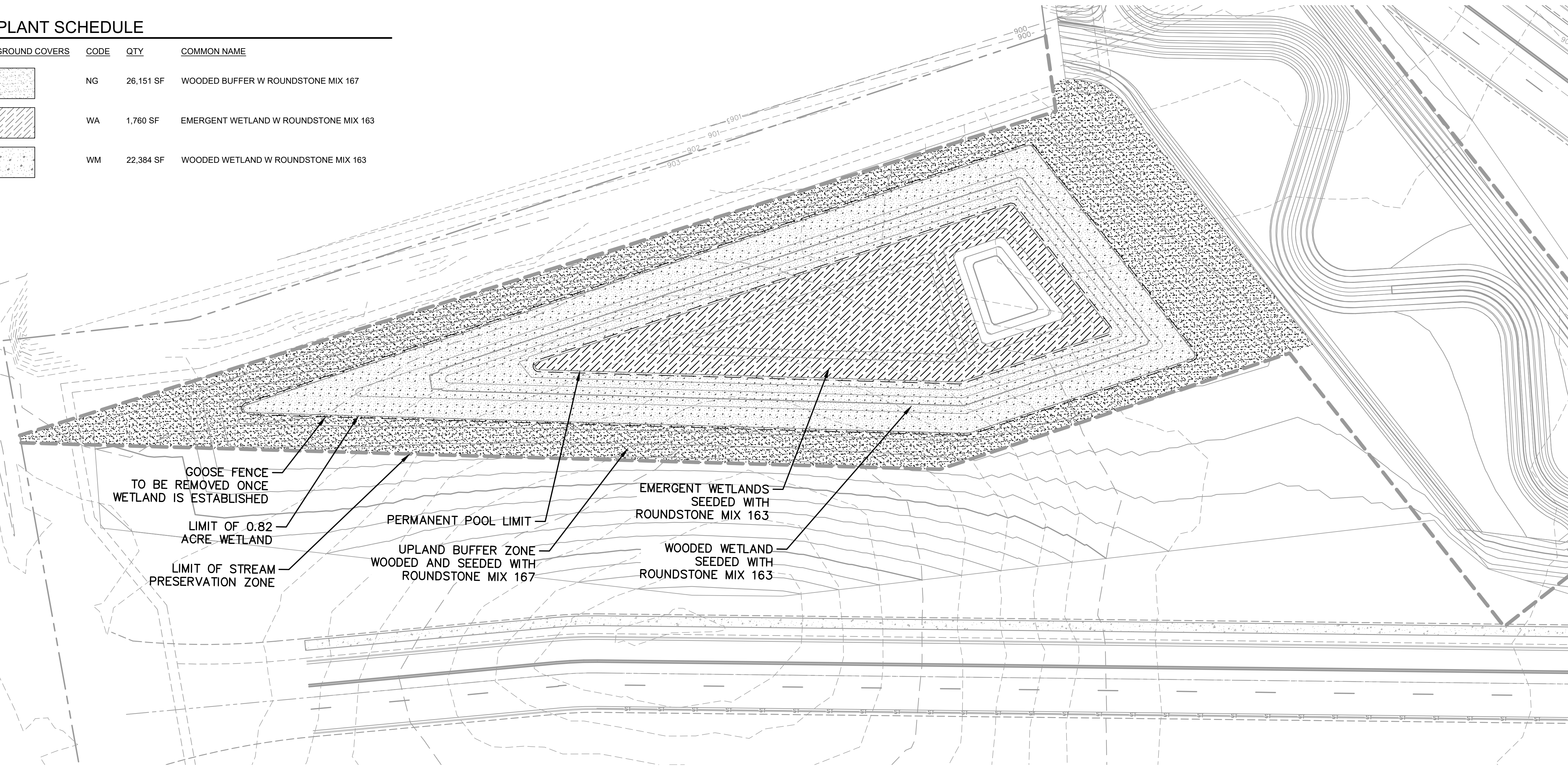


**PLANT SCHEDULE**


GROUND COVERS	CODE	QTY	COMMON NAME
	NG	26,151 SF	WOODED BUFFER W ROUNDSTONE MIX 167
	WA	1,760 SF	EMERGENT WETLAND W ROUNDSTONE MIX 163
	WM	22,384 SF	WOODED WETLAND W ROUNDSTONE MIX 163



Drawing name: K:\CIB\_LDEA\190118000\_3drec\_Buckeye\_Yard\_Columbus\_OH\2\_Design\CAD\PlanSheets\9\_StreamRestoration\WETLAND PLANTING PLAN.dwg EC7.0 WETLAND PLANTING PLAN Jun 14, 2022 11:25am by: Bill Sheeba  
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SEE PLANTING NOTES ON PG EC7.1

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WETLAND PLANTING PLAN		STREAM CORRIDOR PROTECTION ZONE REFORESTATION PLANS <b>BUCKEYE YARD</b> CITY OF COLUMBUS, FRANKLIN COUNTY, OH		
ORIGINAL ISSUE: 06/13/2022		KHA PROJECT NO. 190118000		
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