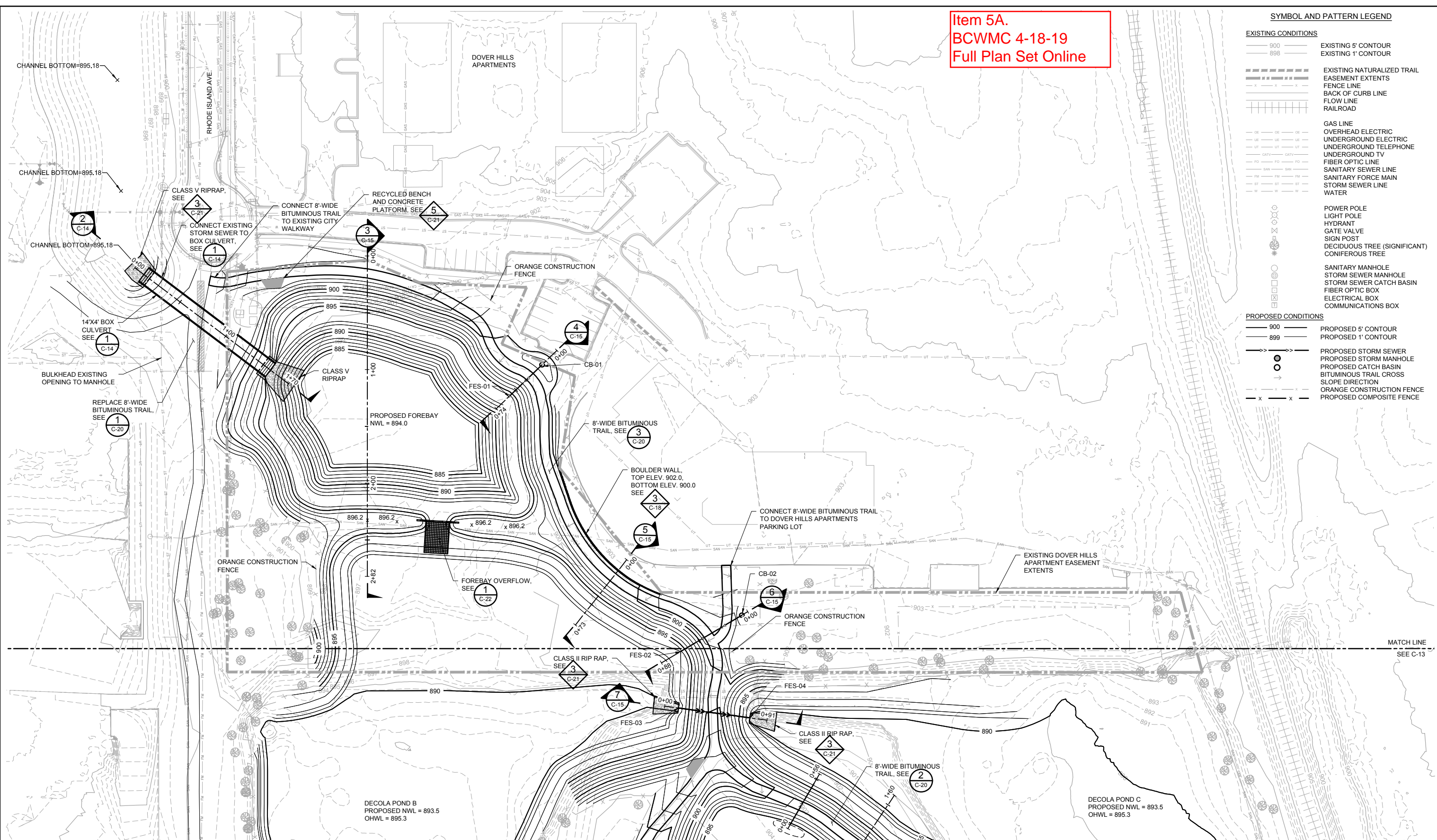


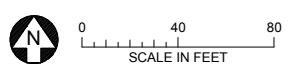
Item 5A.  
BCWMC 4-18-19  
Full Plan Set Online

SYMBOL AND PATTERN LEGEND

- EXISTING CONDITIONS**
- 900 ——— EXISTING 5' CONTOUR
  - 898 ——— EXISTING 1' CONTOUR
  - -- EXISTING NATURALIZED TRAIL
  - - - - EASEMENT EXTENTS
  - - - - FENCE LINE
  - - - - BACK OF CURB LINE
  - - - - FLOW LINE
  - - - - RAILROAD
  - -- GAS LINE
  - -- OVERHEAD ELECTRIC
  - -- UNDERGROUND ELECTRIC
  - -- UNDERGROUND TELEPHONE
  - -- UNDERGROUND TV
  - -- FIBER OPTIC LINE
  - -- SANITARY SEWER LINE
  - -- SANITARY SEWER MAIN
  - -- STORM SEWER LINE
  - -- WATER
  - ○ ○ ○ ○ POWER POLE
  - ○ ○ ○ ○ LIGHT POLE
  - ○ ○ ○ ○ HYDRANT
  - ○ ○ ○ ○ GATE VALVE
  - ○ ○ ○ ○ SIGN POST
  - ○ ○ ○ ○ DECIDUOUS TREE (SIGNIFICANT)
  - ○ ○ ○ ○ CONIFEROUS TREE
  - ○ ○ ○ ○ SANITARY MANHOLE
  - ○ ○ ○ ○ STORM SEWER MANHOLE
  - ○ ○ ○ ○ STORM SEWER CATCH BASIN
  - ○ ○ ○ ○ FIBER OPTIC BOX
  - ○ ○ ○ ○ ELECTRICAL BOX
  - ○ ○ ○ ○ COMMUNICATIONS BOX
- PROPOSED CONDITIONS**
- 900 ——— PROPOSED 5' CONTOUR
  - 899 ——— PROPOSED 1' CONTOUR
  - -- PROPOSED STORM SEWER
  - ○ ○ ○ ○ PROPOSED STORM MANHOLE
  - ○ ○ ○ ○ PROPOSED CATCH BASIN
  - ○ ○ ○ ○ BITUMINOUS TRAIL CROSS
  - -- SLOPE DIRECTION
  - - - - ORANGE CONSTRUCTION FENCE
  - - - - PROPOSED COMPOSITE FENCE



1 PLAN: PROPOSED CONDITIONS - DOVER HILLS APARTMENTS' EASEMENT AREA  
1"=40'-0"



90% DESIGN  
DRAFT

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINTED NAME: KURT A. LEUTHOLD  
SIGNATURE: \_\_\_\_\_  
DATE: \_\_\_\_\_ LICENSE #: \_\_\_\_\_

CLIENT	03/22					
BID						
CONSTRUCTION						
RELEASED TO/FOR	A	B	C	0	1	2
DATE RELEASED						



Scale	AS SHOWN
Date	03/22/2019
Drawn	KJN2
Checked	JAK2
Designed	JAK2
Approved	KAL

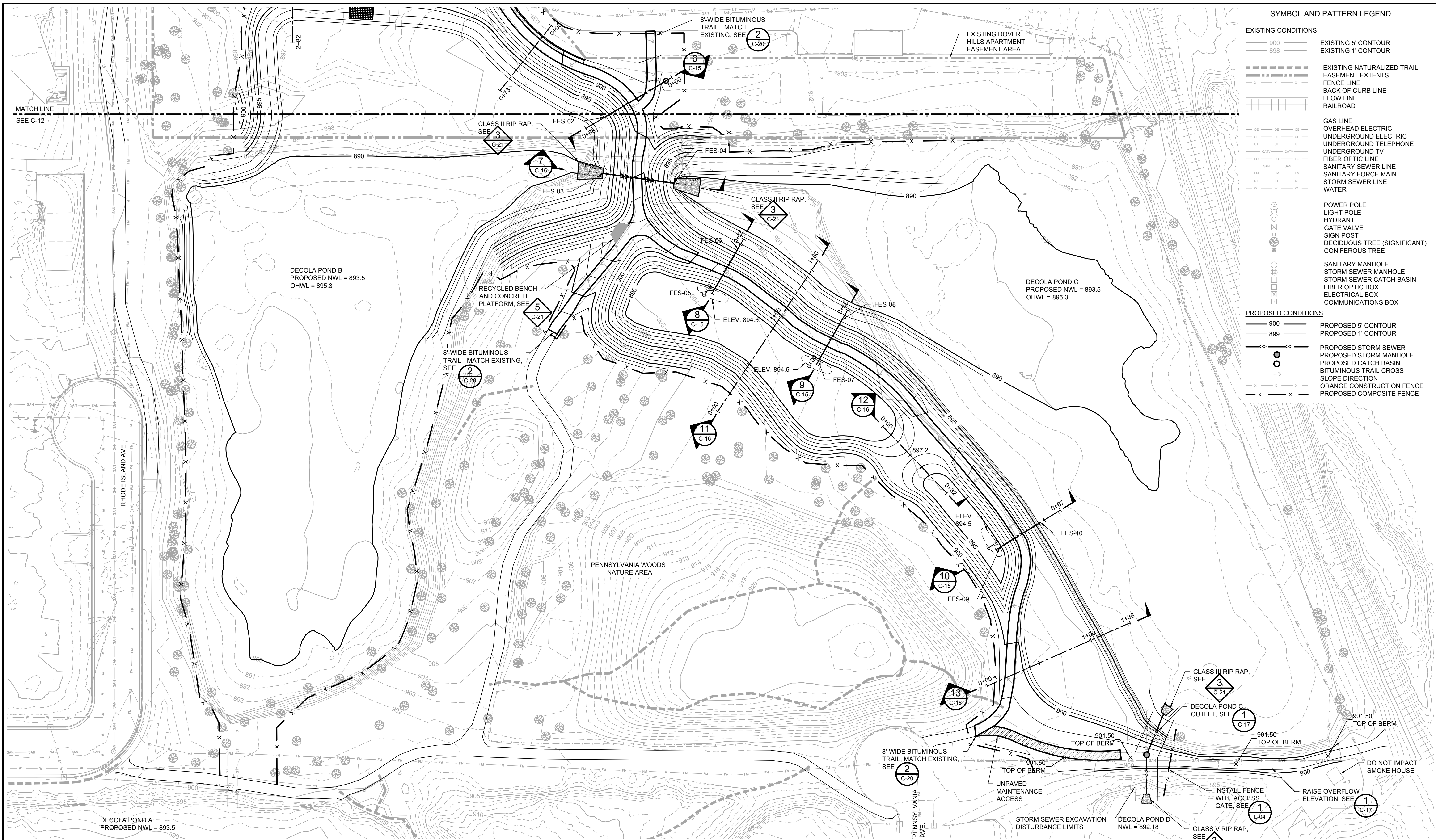
CITY OF GOLDEN VALLEY  
GOLDEN VALLEY, MN

DECOLA PONDS B&C  
IMPROVEMENT PROJECT  
PROPOSED GRADING AND STORM SEWER  
DOVER HILLS APARTMENT EASEMENT AREA

BARR PROJECT No.	23/27-1677.00
CLIENT PROJECT No.	#18-06
DWG. No.	C-12
REV. No.	A

CADD USER: Katie J. Turpin-Negel FILE: M:\DESIGN\23271677\_00\2327167700\_C-12\_PROPOSEDPLAN\_FOREBAY\LIBERTY.DWG PLOT SCALE: 1:2 PLOT DATE: 4/2/2019 5:39 PM

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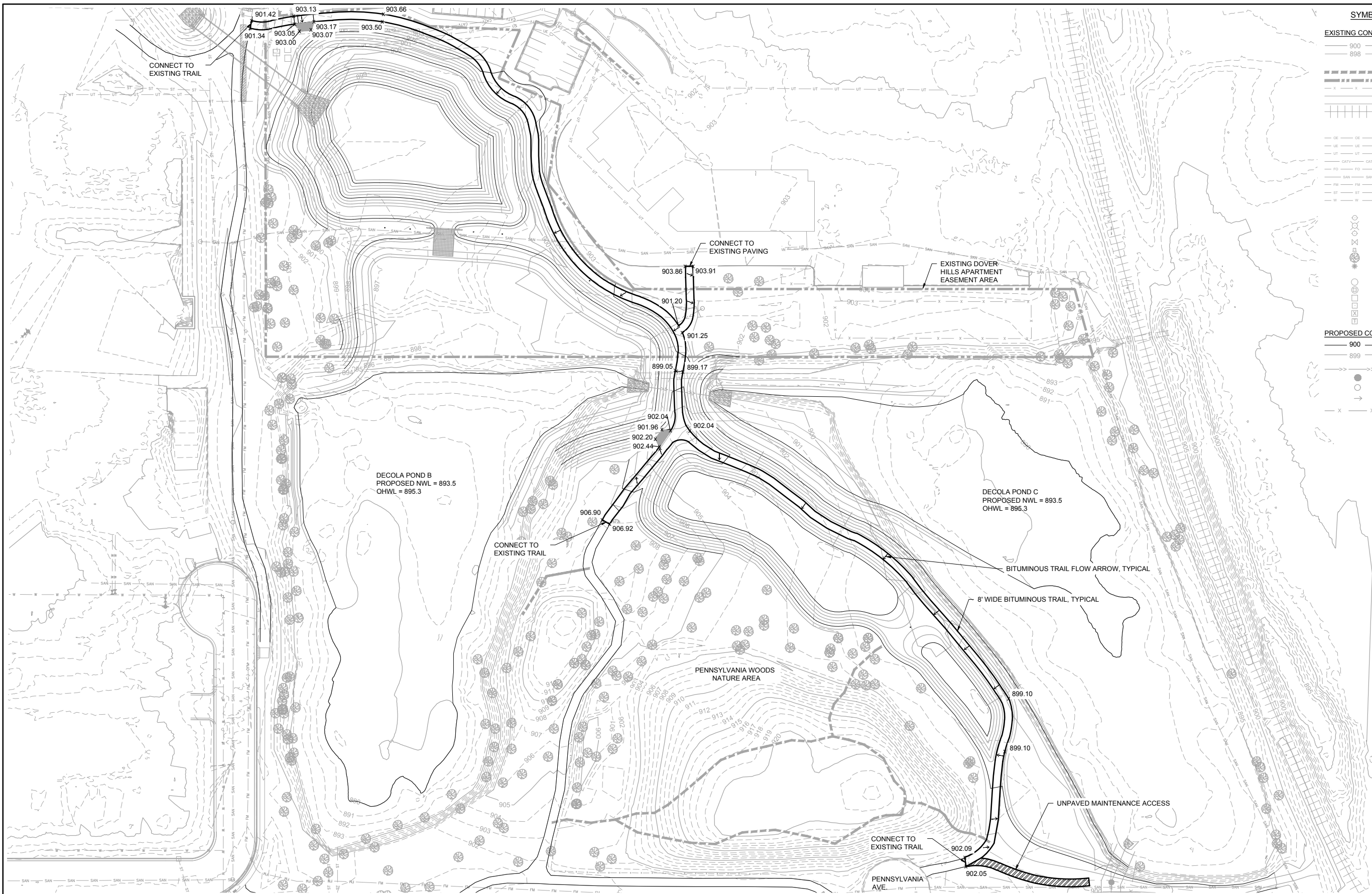


SYMBOL AND PATTERN LEGEND	
<b>EXISTING CONDITIONS</b>	
	EXISTING 5' CONTOUR
	EXISTING 1' CONTOUR
	EXISTING NATURALIZED TRAIL EASEMENT EXTENTS
	FENCE LINE
	BACK OF CURB LINE
	FLOW LINE
	RAILROAD
<b>GAS LINE</b>	
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	UNDERGROUND TELEPHONE
	UNDERGROUND TV
	FIBER OPTIC LINE
	SANITARY SEWER LINE
	SANITARY FORCE MAIN
	STORM SEWER LINE
	WATER
<b>POWER POLE</b>	
	LIGHT POLE
	HYDRANT
	GATE VALVE
	SIGN POST
	DECIDUOUS TREE (SIGNIFICANT)
	CONIFEROUS TREE
<b>SANITARY MANHOLE</b>	
	STORM SEWER MANHOLE
	STORM SEWER CATCH BASIN
	FIBER OPTIC BOX
	ELECTRICAL BOX
	COMMUNICATIONS BOX
<b>PROPOSED CONDITIONS</b>	
	PROPOSED 5' CONTOUR
	PROPOSED 1' CONTOUR
	PROPOSED STORM SEWER
	PROPOSED STORM MANHOLE
	PROPOSED CATCH BASIN
	BITUMINOUS TRAIL CROSS
	SLOPE DIRECTION
	ORANGE CONSTRUCTION FENCE
	PROPOSED COMPOSITE FENCE

**1 PLAN: PROPOSED CONDITIONS - DECOLA PONDS B AND C**  
 1"=40'-0"  
 SCALE IN FEET

90% DESIGN DRAFT

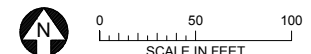
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: KURT A. LEUTHOLD SIGNATURE: _____ DATE: _____ LICENSE #: _____		CLIENT: 03/22 BID: _____ CONSTRUCTION: _____ RELEASED TO/FOR: A B C 0 1 2 3 DATE RELEASED: _____	 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277	Scale: AS SHOWN Date: 03/22/2019 Drawn: KJN2 Checked: JAK2 Designed: JAK2 Approved: KAL	CITY OF GOLDEN VALLEY GOLDEN VALLEY, MN	DECOLA PONDS B&C IMPROVEMENT PROJECT PROPOSED GRADING AND STORM SEWER DECOLA PONDS B & C	BARR PROJECT No. 23/27-1677.00 CLIENT PROJECT No. #18-06 DWG. No. C-13 REV. No. A
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**SYMBOL AND PATTERN LEGEND**

EXISTING CONDITIONS	
900	EXISTING 5' CONTOUR
898	EXISTING 1' CONTOUR
---	EXISTING NATURALIZED TRAIL
-x-x-x-	EASEMENT EXTENTS
-x-x-x-	FENCE LINE
-x-x-x-	BACK OF CURB LINE
-x-x-x-	FLOW LINE
-x-x-x-	RAILROAD
-o-o-o-	GAS LINE
-e-e-e-	OVERHEAD ELECTRIC
-u-u-u-	UNDERGROUND ELECTRIC
-t-t-t-	UNDERGROUND TELEPHONE
-fo-fo-	UNDERGROUND TV
-fo-fo-	FIBER OPTIC LINE
-sm-sm-	SANITARY SEWER LINE
-fm-fm-	SANITARY FORCE MAIN
-st-st-	STORM SEWER LINE
-w-w-w-	WATER
○	POWER POLE
○	LIGHT POLE
○	HYDRANT
○	GATE VALVE
○	SIGN POST
○	DECIDUOUS TREE (SIGNIFICANT)
○	CONIFEROUS TREE
○	SANITARY MANHOLE
○	STORM SEWER MANHOLE
○	STORM SEWER CATCH BASIN
○	FIBER OPTIC BOX
○	ELECTRICAL BOX
○	COMMUNICATIONS BOX
PROPOSED CONDITIONS	
900	PROPOSED 5' CONTOUR
899	PROPOSED 1' CONTOUR
→	PROPOSED STORM SEWER
○	PROPOSED STORM MANHOLE
○	PROPOSED CATCH BASIN
○	BITUMINOUS TRAIL CROSS
-x-x-	SLOPE DIRECTION
-x-x-	PROPOSED COMPOSITE FENCE

**1 PLAN: PROPOSED BITUMINOUS TRAIL**  
 1"=40'-0"



90% DESIGN  
DRAFT

CADD USER: Katie J. Turpin-Negel FILE: M:\DESIGN\23271677\_002327167700\_C-18\_BITUMINOUS\_TRAIL\_PLANDWG\_PLOT SCALE: 1:2 PLOT DATE: 4/22/2019 5:31 PM

NO.	BY	CHK	APP	DATE	REVISION DESCRIPTION

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BID									
CONSTRUCTION									
RELEASED TO/FOR	A	B	C	0	1	2	3		
DATE RELEASED									



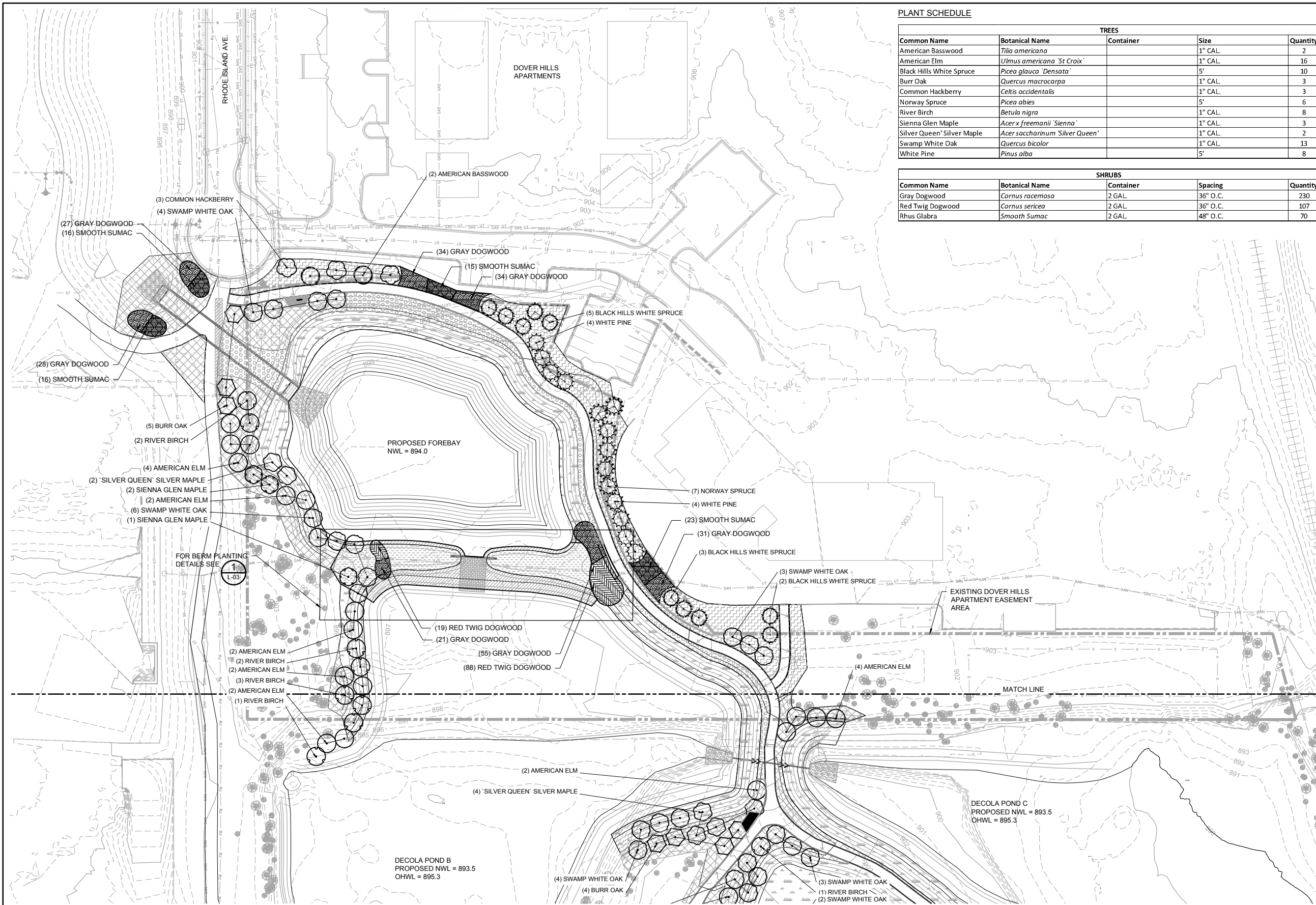
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Date	04/05/2019
Drawn	KJN2
Checked	JAK2
Designed	JAK2
Approved	KAL

CITY OF GOLDEN VALLEY  
GOLDEN VALLEY, MN

DECOLA PONDS B&C  
IMPROVEMENT PROJECT  
PROPOSED BITUMINOUS TRAIL PLAN  
DECOLA PONDS B & C

BARR PROJECT No.	23/27-1677.00
CLIENT PROJECT No.	#18-06
DWG. No.	C-18
REV. No.	A

CADD USER: Katie J. Turpin-Negel FILE: M:\DESIGN\23271677\_002327167700\_L-01\_RESTORATION\PLAN\_FOREBAY\LIBERTY.DWG PLOT SCALE: 1:2 PLOT DATE: 4/10/2019 1:02 PM



**PLANT SCHEDULE**

TREES				
Common Name	Botanical Name	Container	Size	Quantity
American Basswood	<i>Tilia americana</i>		1" CAL.	2
American Elm	<i>Ulmus americana 'St Craix'</i>		1" CAL.	16
Black Hills White Spruce	<i>Picea glauca 'Densata'</i>		5'	10
Burr Oak	<i>Quercus macrocarpa</i>		1" CAL.	3
Common Hackberry	<i>Celtis occidentalis</i>		1" CAL.	3
Norway Spruce	<i>Picea abies</i>		5'	6
River Birch	<i>Betula nigra</i>		1" CAL.	8
Sienna Glen Maple	<i>Acer x freemanii 'Sienna'</i>		1" CAL.	3
Silver Queen Silver Maple	<i>Acer saccharinum 'Silver Queen'</i>		1" CAL.	2
Swamp White Oak	<i>Quercus bicolor</i>		1" CAL.	13
White Pine	<i>Pinus alba</i>		5'	8

SHRUBS				
Common Name	Botanical Name	Container	Spacing	Quantity
Gray Dogwood	<i>Cornus racemosa</i>	2 GAL.	36" O.C.	230
Red Twig Dogwood	<i>Cornus sericea</i>	2 GAL.	36" O.C.	107
Rhus Glabra	<i>Smooth Sumac</i>	2 GAL.	48" O.C.	70

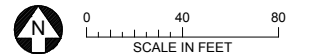
**SYMBOL AND PATTERN LEGEND**

- EXISTING CONDITIONS**
- 900 EXISTING 5' CONTOUR
  - 898 EXISTING 1' CONTOUR
  - EXISTING NATURALIZED TRAIL EASEMENT EXTENTS
  - FENCE LINE
  - BACK OF CURB LINE
  - FLOW LINE
  - RAILROAD
  - GAS LINE
  - OVERHEAD ELECTRIC
  - UNDERGROUND ELECTRIC
  - UNDERGROUND TELEPHONE
  - UNDERGROUND TV
  - FIBER OPTIC LINE
  - SANITARY SEWER LINE
  - SANITARY FORCE MAIN
  - STORM SEWER LINE
  - WATER
  - POWER POLE
  - LIGHT POLE
  - HYDRANT
  - GATE VALVE
  - SIGN POST
  - DECIDUOUS TREE (SIGNIFICANT)
  - DECIDUOUS TREE
  - CONIFEROUS TREE
  - SANITARY MANHOLE
  - STORM SEWER MANHOLE
  - STORM SEWER CATCH BASIN
  - FIBER OPTIC BOX
  - ELECTRICAL BOX
  - COMMUNICATIONS BOX
- PROPOSED CONDITIONS**
- 900 PROPOSED 5' CONTOUR
  - 899 PROPOSED 1' CONTOUR
  - PROPOSED STORM SEWER
  - PROPOSED STORM MANHOLE
  - PROPOSED CATCH BASIN
  - BITUMINOUS TRAIL CROSS
  - SLOPE DIRECTION
  - PROPOSED COMPOSITE FENCE

**RESTORATION PLAN**

- UPLAND ZONE (899+): PRI SAVANNA GRASS SEED MIX AND EROSION CONTROL BLANKET
- UPLAND ZONE (899+): PRI SAVANNA WILD FLOWER SEED MIX AND EROSION CONTROL BLANKET
- WET MEADOW ZONE (NWL TO 899): PRI SHORLINE GRASS SEED MIX AND EROSION CONTROL BLANKET
- WET MEADOW ZONE (895+): PRI SHORLINE GRASS SEED MIX WITH EROSION CONTROL BLANKET AND UPPER BERM OVERFLOW NATIVE GRASS SEED AND PLUGS (SEE 1 L-03 FOR MORE DETAILS)
- WET MEADOW ZONE (<895): PRI SHORLINE GRASS SEED MIX WITH EROSION CONTROL BLANKET AND LOWER BERM OVERFLOW NATIVE GRASS SEED AND PLUGS (SEE 1 L-03 FOR MORE DETAILS)
- LOW MAINTENANCE TURF MIX (MnDOT 25-131, SEE MnDOT SEEDING MANUAL 2014 EDITION) WITH EROSION CONTROL BLANKET

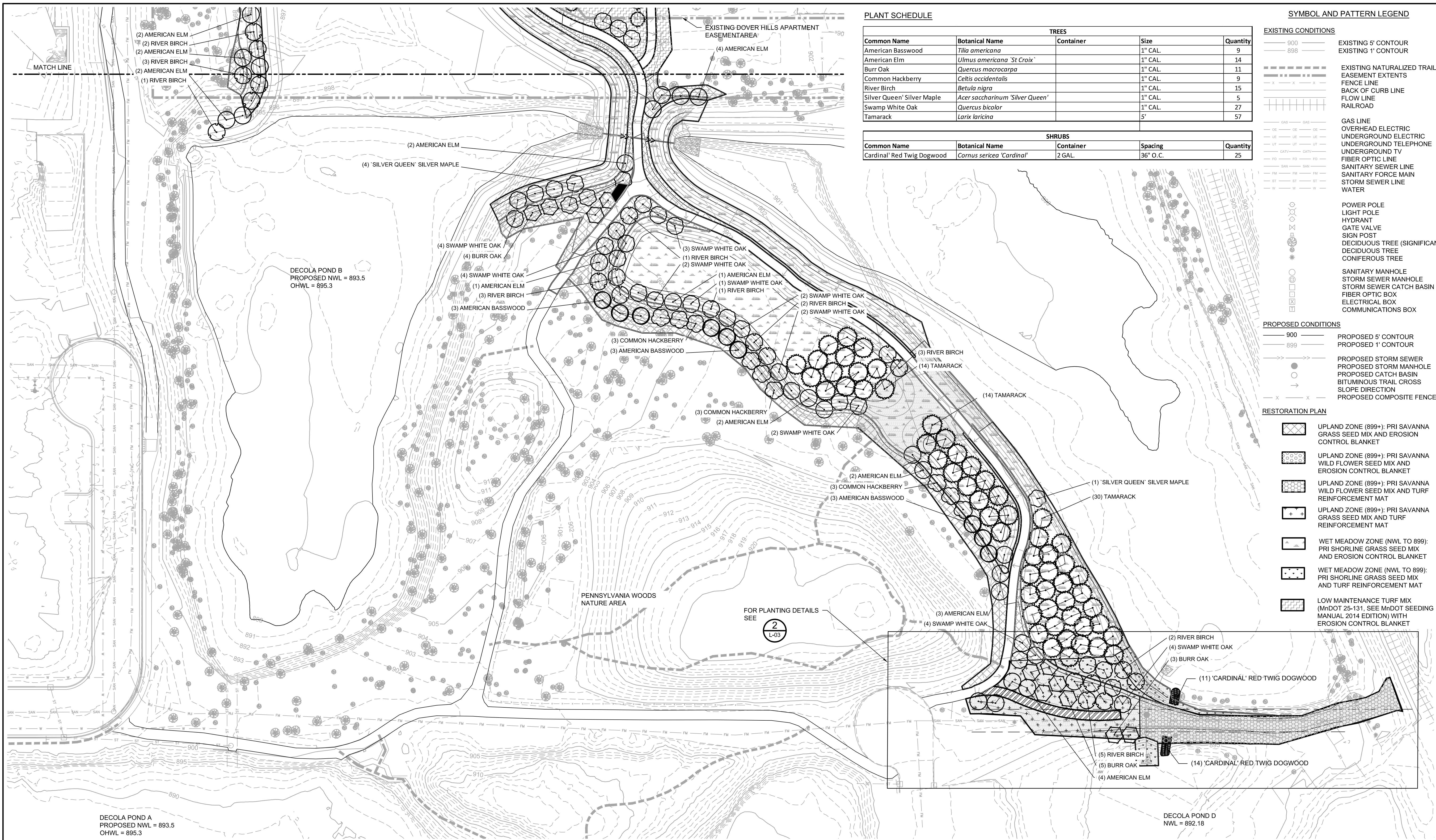
1 PLAN: RESTORATION - DOVER HILLS APARTMENTS' EASEMENT AREA  
1"=40'-0"



90% DESIGN  
DRAFT

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: FRED ROZUMASKI SIGNATURE: _____ DATE: _____ LICENSE # 26559		CLIENT: 03/22 BID: _____ CONSTRUCTION: _____		 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277	Scale: AS SHOWN Date: 03/22/2019 Drawn: EEF Checked: JAK2 Designed: FJR Approved: KAL		<b>CITY OF GOLDEN VALLEY</b> GOLDEN VALLEY, MN		<b>DECOLA PONDS B&amp;C</b> <b>IMPROVEMENT PROJECT</b>		BARR PROJECT No. 23/27-1677.00	
		RELEASED TO/OF: A B C 0 1 2 3 DATE RELEASED: _____			<b>CITY OF GOLDEN VALLEY</b> 		<b>RESTORATION AND LANDSCAPE PLAN</b> <b>DOVER HILLS APARTMENT EASEMENT AREA</b>		CLIENT PROJECT No. #18-06		DWG. No. L-01	

CADD USER: Erin E. Fierhiv FILE: M:\DESIGN\3271677\00\327167700\_L02\_RESTORATION\PLAN\_DECOLAB\_C.DWG PLOT SCALE: 1:1 PLOT DATE: 4/10/2019 12:34 PM



**PLANT SCHEDULE**

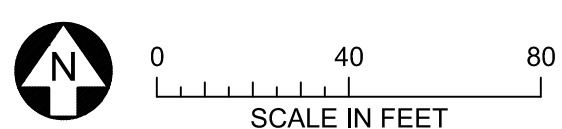
TREES				
Common Name	Botanical Name	Container	Size	Quantity
American Basswood	<i>Tilia americana</i>		1" CAL.	9
American Elm	<i>Ulmus americana 'St Croix'</i>		1" CAL.	14
Burr Oak	<i>Quercus macrocarpa</i>		1" CAL.	11
Common Hackberry	<i>Celtis occidentalis</i>		1" CAL.	9
River Birch	<i>Betula nigra</i>		1" CAL.	15
Silver Queen Silver Maple	<i>Acer saccharinum 'Silver Queen'</i>		1" CAL.	5
Swamp White Oak	<i>Quercus bicolor</i>		1" CAL.	27
Tamarack	<i>Larix laricina</i>		5'	57

SHRUBS				
Common Name	Botanical Name	Container	Spacing	Quantity
Cardinal Red Twig Dogwood	<i>Cornus sericea 'Cardinal'</i>	2 GAL.	36" O.C.	25

**SYMBOL AND PATTERN LEGEND**

- EXISTING CONDITIONS**
- 900 EXISTING 5' CONTOUR
  - 898 EXISTING 1' CONTOUR
  - EXISTING NATURALIZED TRAIL
  - EASEMENT EXTENTS
  - FENCE LINE
  - BACK OF CURB LINE
  - FLOW LINE
  - RAILROAD
  - GAS LINE
  - OVERHEAD ELECTRIC
  - UNDERGROUND ELECTRIC
  - UNDERGROUND TELEPHONE
  - UNDERGROUND TV
  - FIBER OPTIC LINE
  - SANITARY SEWER LINE
  - SANITARY FORCE MAIN
  - STORM SEWER LINE
  - WATER
  - POWER POLE
  - LIGHT POLE
  - HYDRANT
  - GATE VALVE
  - SIGN POST
  - DECIDUOUS TREE (SIGNIFICANT)
  - DECIDUOUS TREE
  - CONIFEROUS TREE
  - SANITARY MANHOLE
  - STORM SEWER MANHOLE
  - STORM SEWER CATCH BASIN
  - FIBER OPTIC BOX
  - ELECTRICAL BOX
  - COMMUNICATIONS BOX
- PROPOSED CONDITIONS**
- 900 PROPOSED 5' CONTOUR
  - 899 PROPOSED 1' CONTOUR
  - PROPOSED STORM SEWER
  - PROPOSED STORM MANHOLE
  - PROPOSED CATCH BASIN
  - BITUMINOUS TRAIL CROSS
  - SLOPE DIRECTION
  - PROPOSED COMPOSITE FENCE
- RESTORATION PLAN**
- UPLAND ZONE (899+): PRI SAVANNA GRASS SEED MIX AND EROSION CONTROL BLANKET
  - UPLAND ZONE (899+): PRI SAVANNA WILD FLOWER SEED MIX AND EROSION CONTROL BLANKET
  - UPLAND ZONE (899+): PRI SAVANNA WILD FLOWER SEED MIX AND TURF REINFORCEMENT MAT
  - UPLAND ZONE (899+): PRI SAVANNA GRASS SEED MIX AND TURF REINFORCEMENT MAT
  - WET MEADOW ZONE (NWL TO 899): PRI SHORLINE GRASS SEED MIX AND EROSION CONTROL BLANKET
  - WET MEADOW ZONE (NWL TO 899): PRI SHORLINE GRASS SEED MIX AND TURF REINFORCEMENT MAT
  - LOW MAINTENANCE TURF MIX (MnDOT 25-131. SEE MnDOT SEEDING MANUAL 2014 EDITION) WITH EROSION CONTROL BLANKET

1 PLAN: RESTORATION - DECOLA PONDS B AND C  
1"=40'-0"



90% DESIGN DRAFT

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.		CLIENT 3/3/22					Scale AS SHOWN	CITY OF GOLDEN VALLEY GOLDEN VALLEY, MN	DECOLA PONDS B&C IMPROVEMENT PROJECT	BARR PROJECT No. 23/27-1677.00					
PRINTED NAME FRED ROZUMALSKI		BID					Date 03/22/2019				CLIENT PROJECT No. #18-06				
SIGNATURE DATE		CONSTRUCTION					Drawn EEF	RESTORATION AND LANDSCAPE PLAN DECOLA PONDS B & C	DWG. No. L-02	REV. No. A					
DATE		RELEASED TO/FOR					Checked JAK2								
NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION	RELEASED TO/FOR	DATE RELEASED	Designed FJR							
						A	B	C	0	1	2	3	Approved KAL		

