

EXISTING PLAN SYMBOLS

- PROPERTY LINES/RIGHT-OF-WAY
- UTILITY EASEMENT
- TREE LINE
- SIGN
- DECIDUOUS TREE
- SHRUB
- CONIFEROUS TREE

EXISTING UTILITY SYMBOLS

- FIBER OPTIC LINE
- GAS LINE
- COMMUNICATION LINE
- ELECTRIC POWER LINE
- WATER MAIN
- SANITARY SEWER
- STORM SEWER
- COMMUNICATIONS PEDESTAL
- POWER POLE
- ELECTRIC BOX
- CATCH BASIN
- STORM APRON
- STORM SEWER MANHOLE
- GATE VALVE
- HYDRANT
- SANITARY SEWER MANHOLE

2023 POND MAINTENANCE PROJECT

CITY OF CHANHASSEN

GOVERNING SPECIFICATIONS

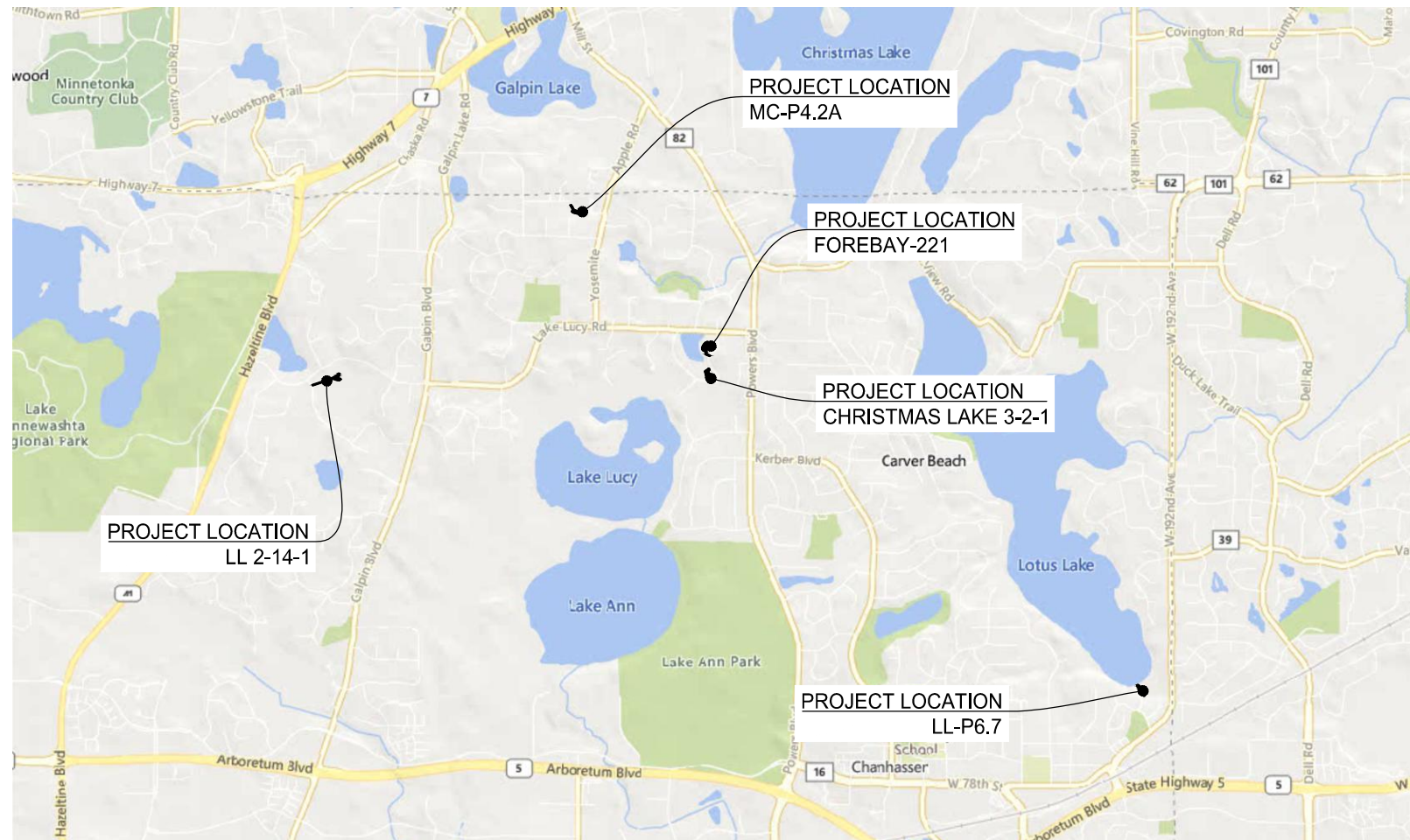
THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE 2023 EDITION OF THE CITY OF CHANHASSEN "GENERAL SPECIFICATIONS AND STANDARD DETAIL PLATES FOR STREET AND UTILITY CONSTRUCTION."

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" 2022 SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

PLAN SET INDEX

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12	EROSION CONTROL PLAN



PROJECT LOCATION MAP

THIS PLAN SET CONTAINS 12 SHEETS

THIS PLAN SET HAS BEEN PREPARED FOR:

CITY OF CHANHASSEN
7700 MARKET BOULEVARD
CHANHASSEN, MN 55317
(952) 227-1100

ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.



I HEREBY CERTIFY THAT THIS PLAN 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.

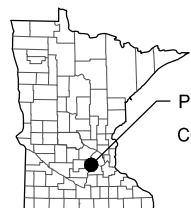
WILLIAM C. ALMS, P.E.

DATE: MM/DD/YYYY

LICENSE NUMBER: 59170

EXCAVATION NOTICE SYSTEM

A CALL TO GOPHER STATE ONE (651-454-0002) IS REQUIRED A MINIMUM OF 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION.



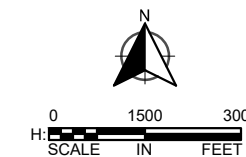
PROJECT LOCATION
COUNTY: CARVER

HORIZONTAL DATUM: NAD83
VERTICAL DATUM: NAVD88

UTILITY INFORMATION

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

GOPHER ONE CALL TICKET NUMBER: 232842482, 232842486, 23242485-232842492



PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY

WSB PROJ. NO. 023743-000

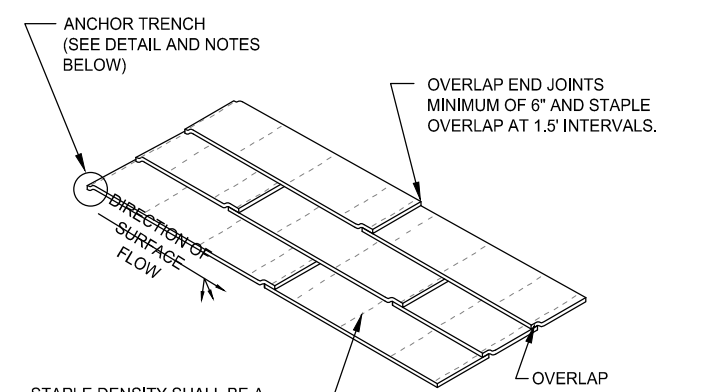
SHEET
1
OF
12

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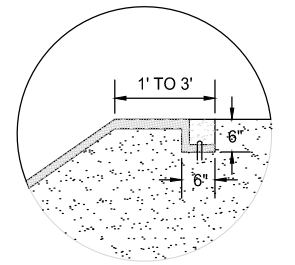
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WILLIAM ALIUS LIC. NO.: 54301
DATE: XX-XX-XXXX

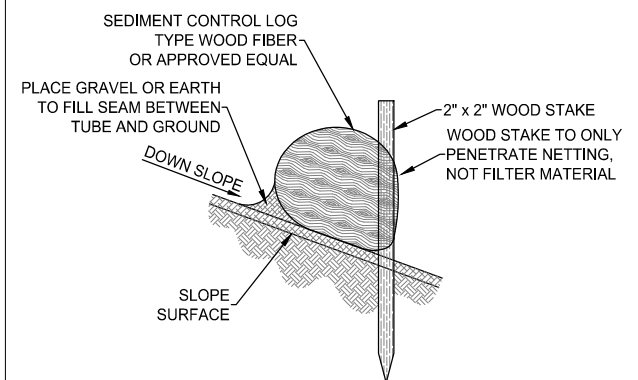
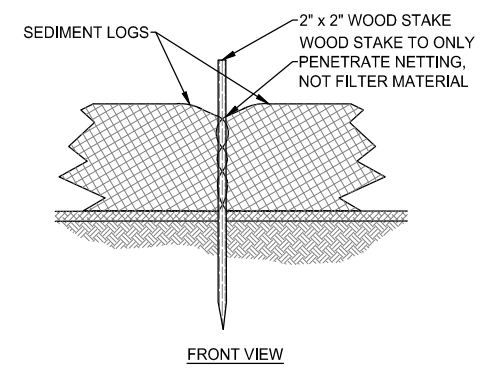


ANCHOR TRENCH
1. DIG 6" X 6" TRENCH
2. LAY BLANKET IN TRENCH
3. STAPLE AT 1.5' INTERVALS
4. BACKFILL WITH NATURAL SOIL AND COMPACT
5. BLANKET LENGTH SHALL NOT EXCEED 100' WITHOUT AN ANCHOR TRENCH

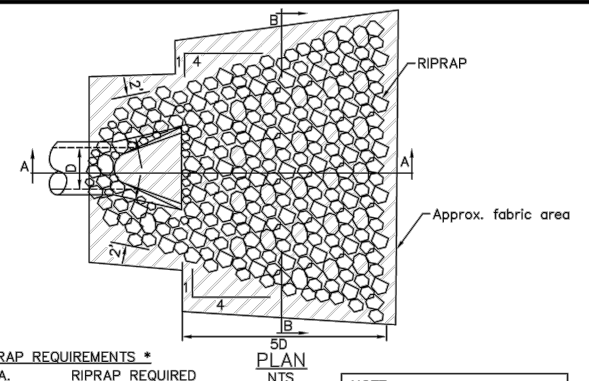


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2 EROSION CONTROL BLANKET INSTALLATION
SCALE: NO SCALE



4 BIOROLL INSTALLATION DETAIL
SCALE: NO SCALE

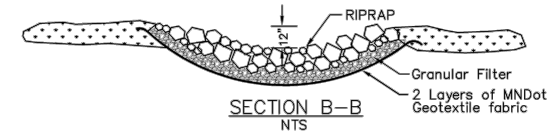
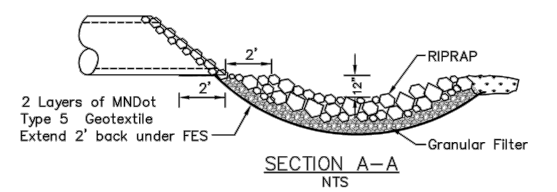


RIPRAP REQUIREMENTS *

PIPE DIA.	RIPRAP REQUIRED
12" TO 24"	8 TO 12 CY CL.3
27" TO 33"	14 TO 20 CY CL.3
36" TO 48"	23 TO 38 CY CL.3
54" AND UP	62 CY and up CL.4

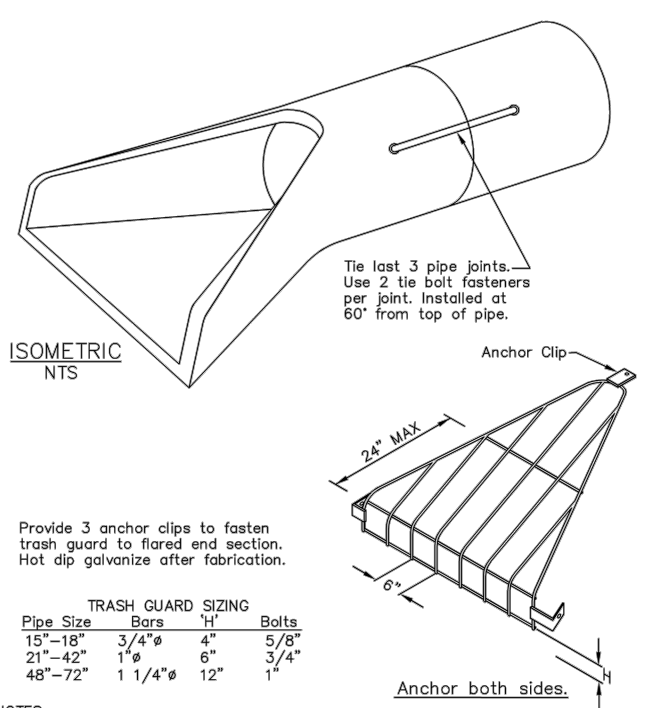
(One cubic yard is approximately 2,800 lbs.)

NOTE: Granular filter shall be 3" of 1 1/2" clear limestone under rip rap on 2 layers of MNDot Type 5 Geotextile fabric.



* For outlet velocities less than 10 Ft/Sec. Outlet velocities exceeding 10 Ft/Sec shall obtain prior approval by the engineer.

CITY OF CHANHASSEN
RIP RAP DETAIL
REVISED: 1-22
FILE NAME: G:\ENG\SPECS\3107
ENGINEERING DEPARTMENT
PLATE NO.: 3107

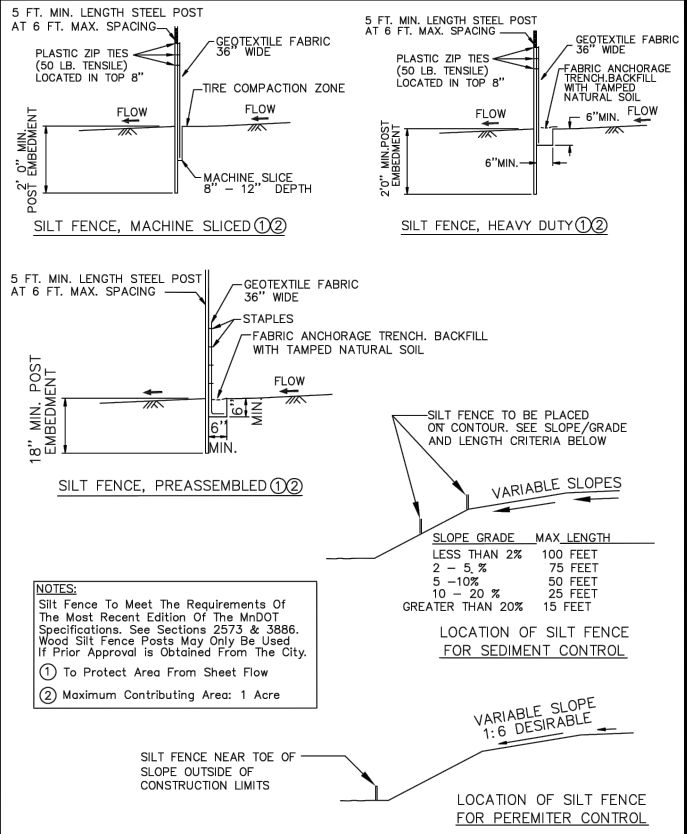


TRASH GUARD SIZING

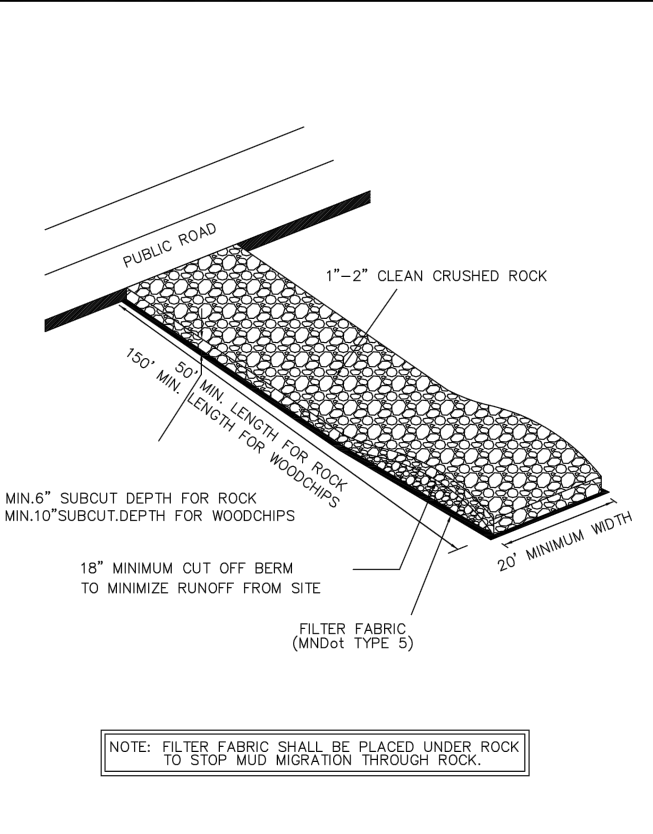
Pipe Size	Bars	H'	Bolts
15"-18"	3/4"	4"	5/8"
21"-42"	1"	6"	3/4"
48"-72"	1 1/4"	12"	1"

- NOTES:
1. Trash guards shall only be placed on inlets when specified.
2. All new RC aprons connecting to new pipe shall have the joints tied back for the first 3 joints from the apron. When connecting new RC apron to existing pipe tie apron to first adjacent pipe.
3. All FES shall be delineated using a green 48" tall polyethylene marker post.
4. See City Plate No. 3107 for riprap placement.

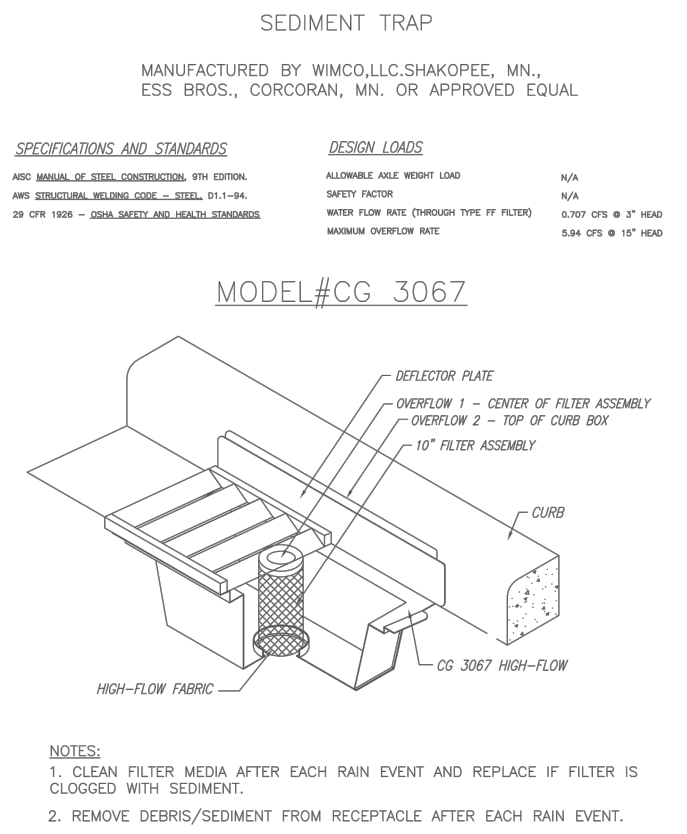
CITY OF CHANHASSEN
FLARED END SECTION AND TRASH GUARDS
REVISED: 1-22
FILE NAME: G:\ENG\SPECS\3108
ENGINEERING DEPARTMENT
PLATE NO.: 3108



CITY OF CHANHASSEN
SILT FENCE
REVISED: 1-21
FILE NAME: G:\ENG\SPECS\5300
ENGINEERING DEPARTMENT
PLATE NO.: 5300



CITY OF CHANHASSEN
ROCK CONSTRUCTION ENTRANCE
REVISED: 12-19
FILE NAME: G:\ENG\SPECS\5301
ENGINEERING DEPARTMENT
PLATE NO.: 5301



CITY OF CHANHASSEN
CATCH BASIN SEDIMENT TRAP
REVISED: 1-22
FILE NAME: G:\ENG\SPECS\5302A
ENGINEERING DEPARTMENT
PLATE NO.: 5302A

MISCELLANEOUS DETAILS

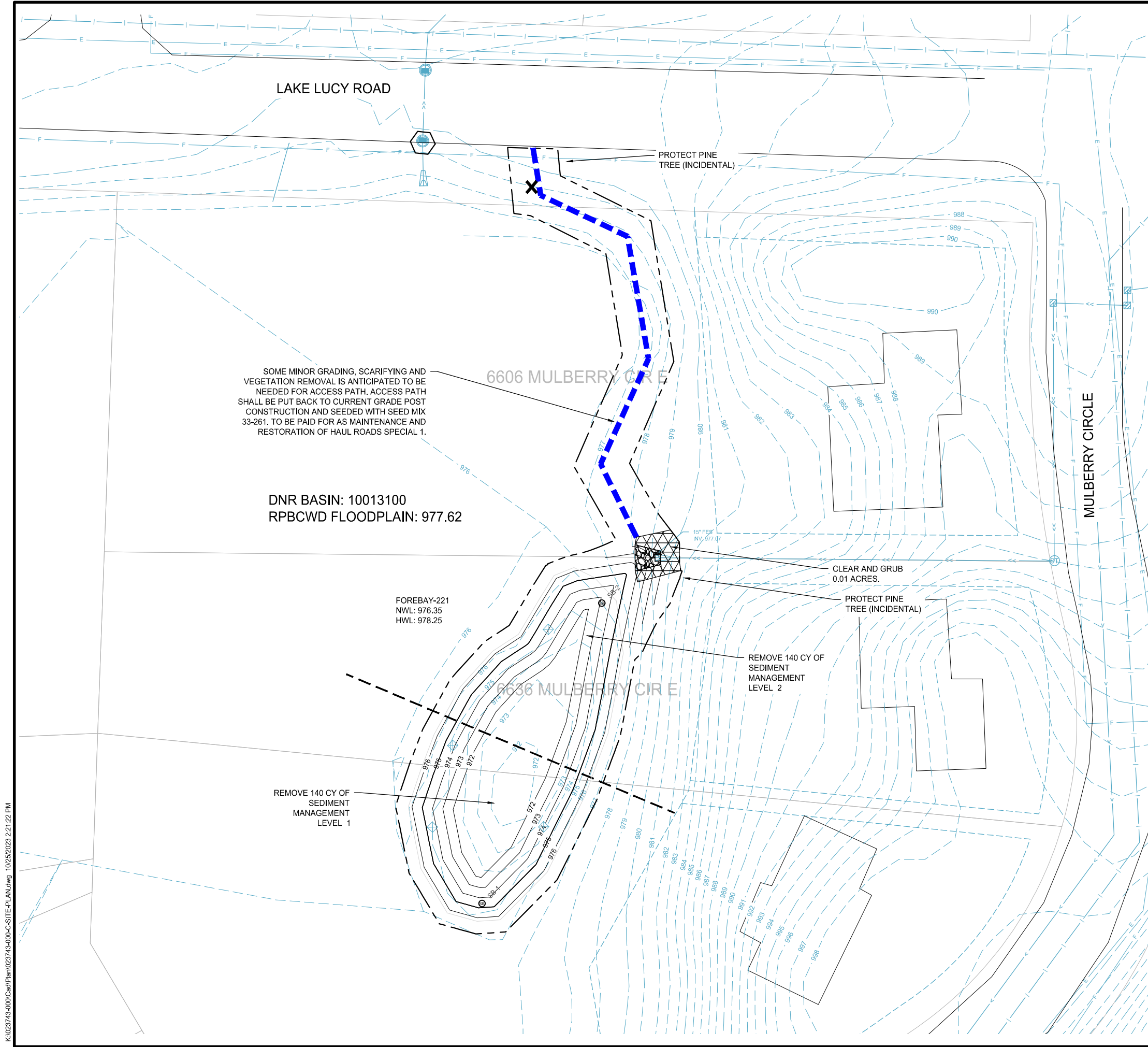
2023 POND MAINTENANCE PROJECT
CITY OF CHANHASSEN, MN

CLIENT PROJECT NO. XXXXXX

WSB PROJECT NO. 023743-000

SHEET 2 OF 12

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SOME MINOR GRADING, SCARIFYING AND VEGETATION REMOVAL IS ANTICIPATED TO BE NEEDED FOR ACCESS PATH. ACCESS PATH SHALL BE PUT BACK TO CURRENT GRADE POST CONSTRUCTION AND SEEDED WITH SEED MIX 33-261. TO BE PAID FOR AS MAINTENANCE AND RESTORATION OF HAUL ROADS SPECIAL 1.

DNR BASIN: 10013100
RPNBCWD FLOODPLAIN: 977.62

FOREBAY-221
NWL: 976.35
HWL: 978.25

REMOVE 140 CY OF
SEDIMENT
MANAGEMENT
LEVEL 1

REMOVE 140 CY OF
SEDIMENT
MANAGEMENT
LEVEL 2

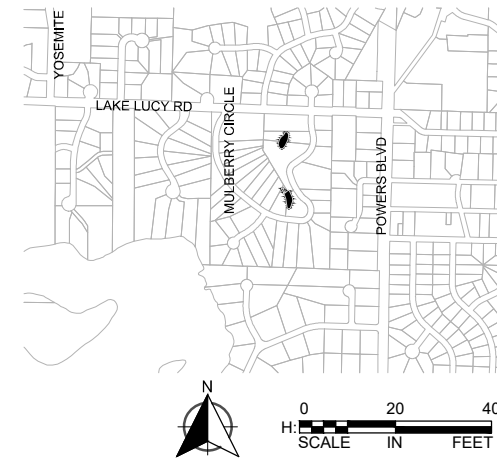
CLEAR AND GRUB
0.01 ACRES.

PROTECT PINE
TREE (INCIDENTAL)

PROTECT PINE
TREE (INCIDENTAL)

15' FFS'
INV. 977.07

LOCATION



- CONSTRUCTION LIMITS
- ACCESS ROUTE
- BIOLOG TYPE WOODFIBER
- PROPERTY LINE
- DRAINAGE AND UTILITY EASEMENT (PER PLAT)
- EASEMENT CENTERLINE
- UNDERLYING LOT LINE
- GAS LINE
- FIBER OPTION LINE
- ELECTRICAL LINE
- SANITARY SEWER PIPE
- STORM SEWER PIPE
- DRAIN TILE PIPE
- WATERMAIN PIPE
- CONTOUR - MAJOR - EXISTING
- CONTOUR - MINOR - EXISTING
- CONTOUR - MAJOR - PROPOSED
- CONTOUR - MINOR - PROPOSED
- CATCH BASIN
- STORM SEWER MANHOLE
- SANITARY SEWER MANHOLE
- FLARED END SECTION
- SOIL BORINGS
- EXISTING BIRD HOUSE (REMOVE AND REPLACE; INCIDENTAL)
- CLEAR AND GRUB

GENERAL CONSTRUCTION NOTES

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3. ALL STOCKPILES MUST HAVE DOWN GRADIENT PERIMETER SEDIMENT CONTROL IMPLEMENTED AND MAINTAINED AT ALL TIMES. STOCKPILES TO RECEIVE TEMPORARY STABILIZATION IF UNWORKED FOR 7 DAYS
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WILLIAM ALMS

DATE: XX-XX-XXXX LIC. NO.: 54301

GRADING PLAN

2023 POND MAINTENANCE PROJECT
CITY OF CHANHASSEN, MN

CLIENT PROJECT NO.
XXXXXX

WSB PROJECT NO.
023743-000

SHEET
3 OF 12

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DNR BASIN 10013100
RPBCWD FLOODPLAIN 977.62

6665 MULBERRY CIR E

MULBERRY CIR

CLEAN OUT STORM PIPE AND
REPAIR OCS

PROTECT AND SUPPLEMENT
EXISTING RIPRAP PER CITY
STANDARD DETAIL

CLEAR AND GRUB
0.02 ACRES.

REMOVE 490 CY OF
SEDIMENT
MANAGEMENT
LEVEL 1

6729 MULBERRY CIR

CHRISTMAS LAKE 3-2-1
NWL: 976.35
HWL: 978.25

6730 MULBERRY CIR

PROTECT EXISTING
LANDSCAPING
(INCIDENTAL)

PROTECT
RETAINING WALL
(INCIDENTAL)

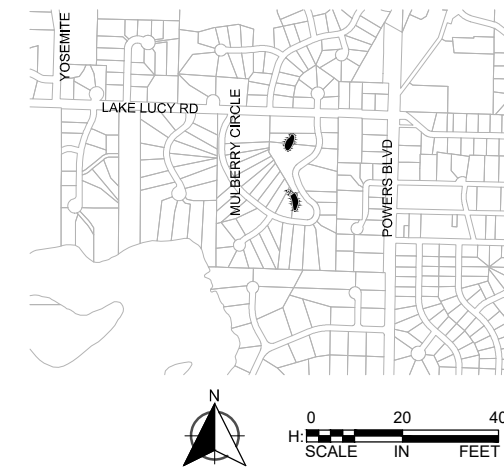
REMOVE 240 CY OF
SEDIMENT
MANAGEMENT
LEVEL 2

6696 MULBERRY CIR

6683 MULBERRY CIR E

6687 MULBERRY CIR

LOCATION



- CONSTRUCTION LIMITS
- ACCESS ROUTE
- BILOG TYPE WOODFIBER
- PROPERTY LINE
- DRAINAGE AND UTILITY EASEMENT (PER PLAT)
- EASEMENT CENTERLINE
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- STORM SEWER PIPE
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- 920 CONTOUR - MAJOR - EXISTING
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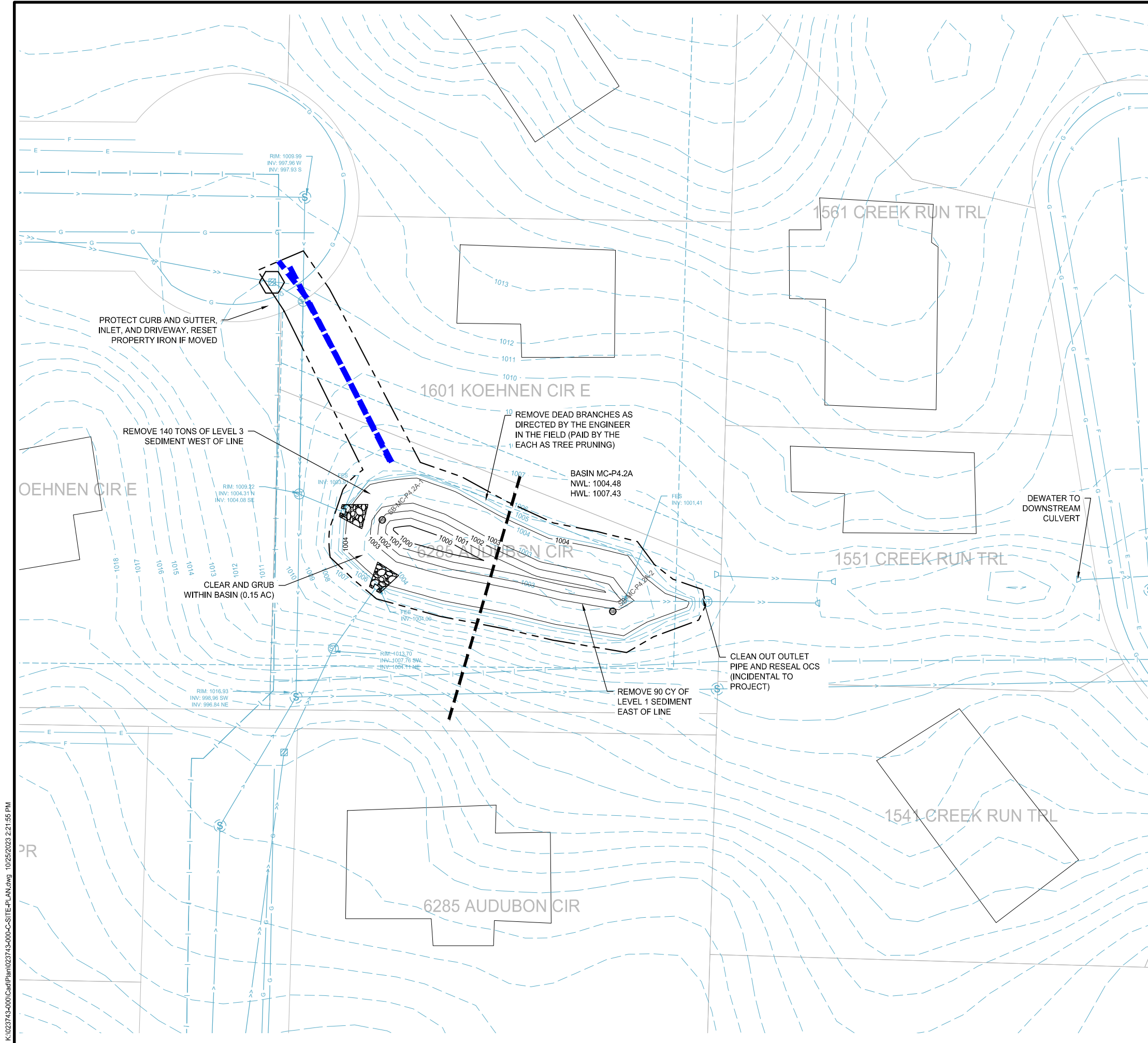
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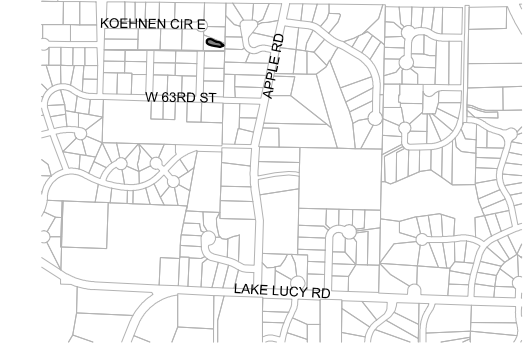
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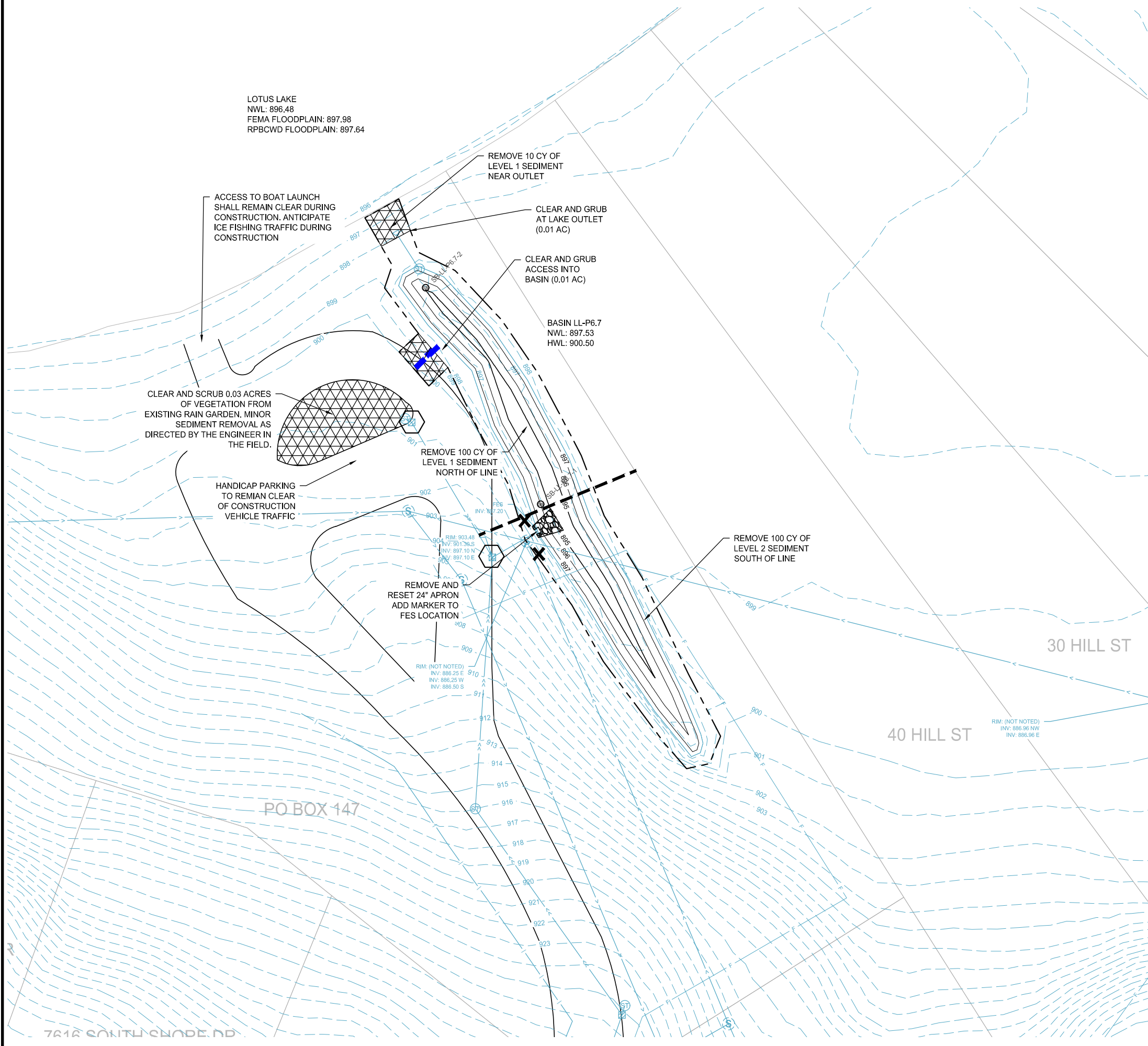
CLIENT PROJECT NO. XXXXXX

WSB PROJECT NO. 023743-000

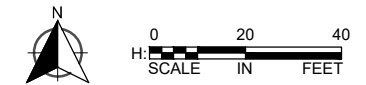
SHEET 5 OF 12

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LOTUS LAKE
NWL: 896.48
FEMA FLOODPLAIN: 897.98
RPBCWD FLOODPLAIN: 897.64



LOCATION



- CONSTRUCTION LIMITS
- ACCESS ROUTE
- BIOLOG TYPE WOODFIBER
- PROPERTY LINE
- DRAINAGE AND UTILITY EASEMENT (PER PLAT)
- EASEMENT CENTERLINE
- UNDERLYING LOT LINE
- GAS LINE
- FIBER OPTION LINE
- ELECTRICAL LINE
- SANITARY SEWER PIPE
- STORM SEWER PIPE
- DRAIN TILE PIPE
- WATER MAIN PIPE
- 920 --- CONTOUR - MAJOR - EXISTING
- 922 --- CONTOUR - MINOR - EXISTING
- 920 --- CONTOUR - MAJOR - PROPOSED
- 922 --- CONTOUR - MINOR - PROPOSED
- CATCH BASIN
- STORM SEWER MANHOLE
- SANITARY SEWER MANHOLE
- FLARED END SECTION
- SOIL BORINGS
- EXISTING BIRD HOUSE (REMOVE AND REPLACE; INCIDENTAL)
- CLEAR AND GRUB

GENERAL CONSTRUCTION NOTES

1. CONTRACTOR RESPONSIBLE FOR THE DAMAGE TO STREETS, PARKING LOTS, CONCRETE CURB AND GUTTER, TRAIL, AND TREES NOT SHOWN FOR REMOVAL.
2. AT A MINIMUM, DAILY STREET SWEEPING REQUIRED DURING HAULING OPERATIONS, MORE OFTEN AS NEEDED OR DIRECTED BY THE ENGINEER.
3. ALL STOCKPILES MUST HAVE DOWN GRADIENT PERIMETER SEDIMENT CONTROL IMPLEMENTED AND MAINTAINED AT ALL TIMES. STOCKPILES TO RECEIVE TEMPORARY STABILIZATION IF UNWORKED FOR 7 DAYS.
4. DEWATERING/DEICING TO TAKE PLACE PRIOR TO EXCAVATION AND SHALL BE COMPLETED BY DECEMBER 31, 2022 OR AN ALTERNATE DATE AS APPROVED BY ENGINEER. ICE IS TO BE STOCKPILED ON SITE AND PUT BACK IN POND FOLLOWING THE EXCAVATION AND IS INCIDENTAL TO THE DEWATERING PAY ITEM. DEWATERING PLANS MUST BE SUBMITTED AND APPROVED BY THE PROJECT ENGINEER 10 DAYS PRIOR TO PUMPING. PLANS MUST INCLUDE OPERATIONS FOR PREVENTING THE DISCHARGE OF TURBID WATER, AND MUST INCLUDE METHODS FOR CONTROLLING EROSION AND SCOUR.
5. CONTRACTOR SHALL PERFORM ALL DEWATERING AND EXCAVATION ONSITE AND OFF OF ROADWAY, AND LOAD AND HAUL OUT USING ACCESS ROUTE.
6. CONTRACTOR TO GRADE AROUND EXISTING STORM SEWER STRUCTURES AS DIRECTED BY THE ENGINEER.
7. CONTRACTOR TO COORDINATE ACCESS LIMITS WITH THE ENGINEER IN THE FIELD.
8. EXISTING POND CONTOURS DEVELOPED FROM PRE-DESIGN SURVEY.
9. VEGETATION AND TREES LESS THAN 6" IN DIAMETER REMOVED FOR ACCESS OR IN AREA AS SHOWN ON THE PLANS WILL BE PAID FOR BY THE ACRE. ALL TREES REMOVED 6" IN DIAMETER OR LARGER WILL BE PAID FOR BY EACH WHERE SHOWN ON THE PLANS AND/OR WHERE DIRECTED BY THE ENGINEER.
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12. ELECTRONIC COPIES OF CAD GRADING PLANS WILL BE PROVIDED TO THE CONTRACTOR AND MACHINE CONTROL OR OTHER MEANS APPROVED BY THE ENGINEER SHALL BE USED TO GRAD TO PLANNED ELEVATIONS. IF NEEDED, ONE POST CONSTRUCTION SURVEY WILL BE COMPLETED AFTER GRADING; IF ADDITIONAL POST CONSTRUCTION SURVEY IS NEEDED TO VERIFY, GRADING COST WILL BE PASSED ALONG TO CONTRACTOR.

REVISIONS

NO.	DATE	DESCRIPTION

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WILLIAM ALMS
LIC. NO.: 54301
DATE: XX-XX-XXXX

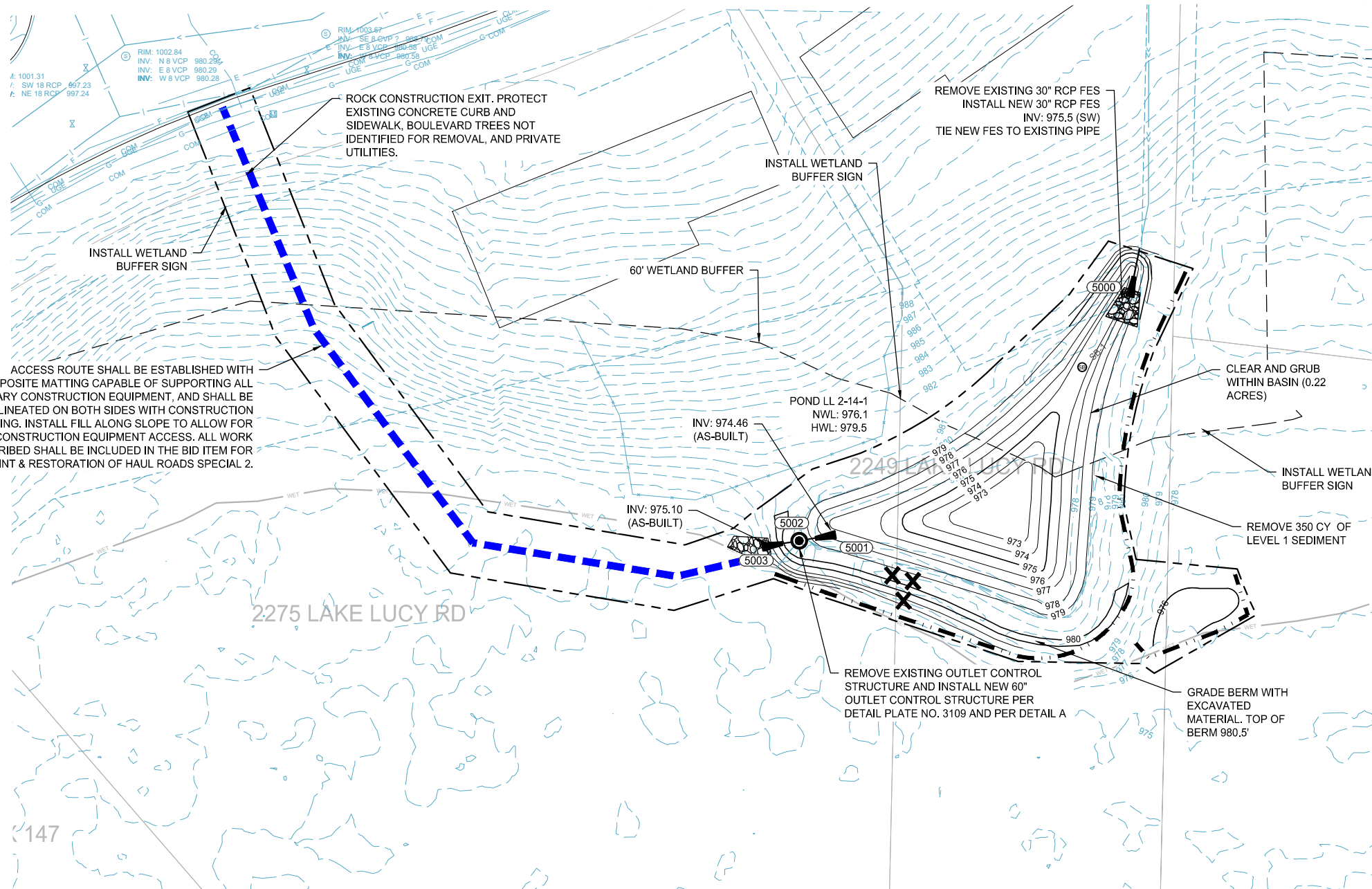
GRADING PLAN

2023 POND MAINTENANCE PROJECT
CITY OF CHANHASSEN, MN

CLIENT PROJECT NO. XXXXXX

WSB PROJECT NO. 023743-000

SHEET 6 OF 12



ACCESS ROUTE SHALL BE ESTABLISHED WITH COMPOSITE MATTING CAPABLE OF SUPPORTING ALL NECESSARY CONSTRUCTION EQUIPMENT, AND SHALL BE DELINEATED ON BOTH SIDES WITH CONSTRUCTION FENCING. INSTALL FILL ALONG SLOPE TO ALLOW FOR CONSTRUCTION EQUIPMENT ACCESS. ALL WORK DESCRIBED SHALL BE INCLUDED IN THE BID ITEM FOR MAINT & RESTORATION OF HAUL ROADS SPECIAL 2.

ROCK CONSTRUCTION EXIT. PROTECT EXISTING CONCRETE CURB AND SIDEWALK, BOULEVARD TREES NOT IDENTIFIED FOR REMOVAL, AND PRIVATE UTILITIES.

REMOVE EXISTING 30" RCP FES
INSTALL NEW 30" RCP FES
INV: 975.5 (SW)
TIE NEW FES TO EXISTING PIPE

INSTALL WETLAND BUFFER SIGN

60' WETLAND BUFFER

CLEAR AND GRUB WITHIN BASIN (0.22 ACRES)

INSTALL WETLAND BUFFER SIGN

REMOVE 350 CY OF LEVEL 1 SEDIMENT

REMOVE EXISTING OUTLET CONTROL STRUCTURE AND INSTALL NEW 60" OUTLET CONTROL STRUCTURE PER DETAIL PLATE NO. 3109 AND PER DETAIL A

GRADE BERM WITH EXCAVATED MATERIAL. TOP OF BERM 980.5'

147

2275 LAKE LUCY RD

2249 LAKE LUCY RD

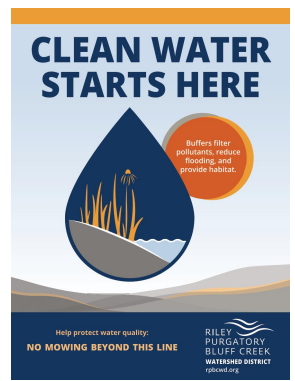
LOCATION



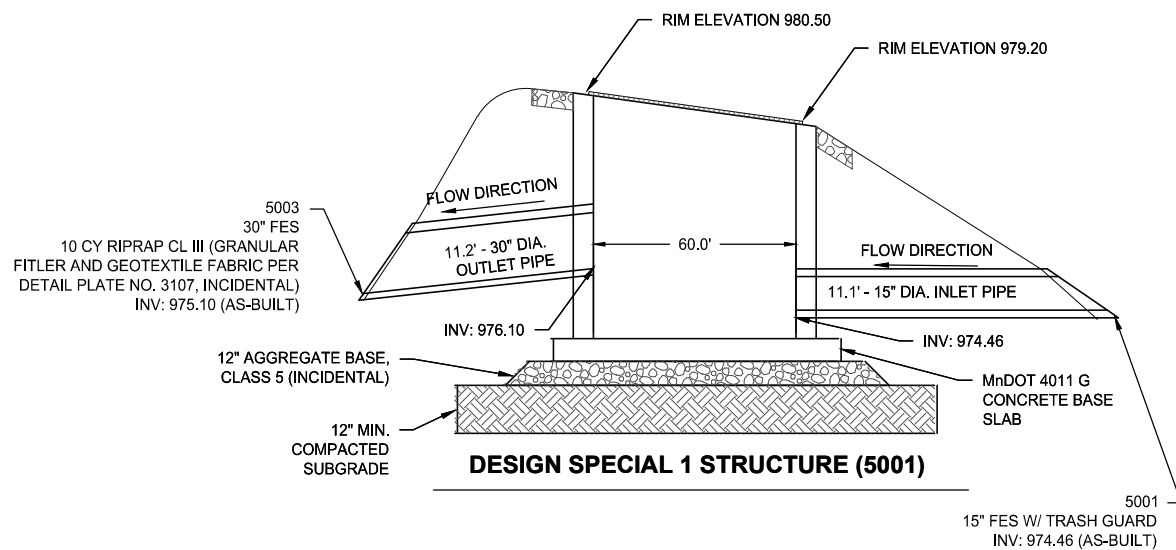
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BUFFER SIGN DETAIL. MOUNT TO GREEN STEEL U-CHANNEL SIGN POSTS. LOCATION DETERMINED BY ENGINEER IF THE FIELD.



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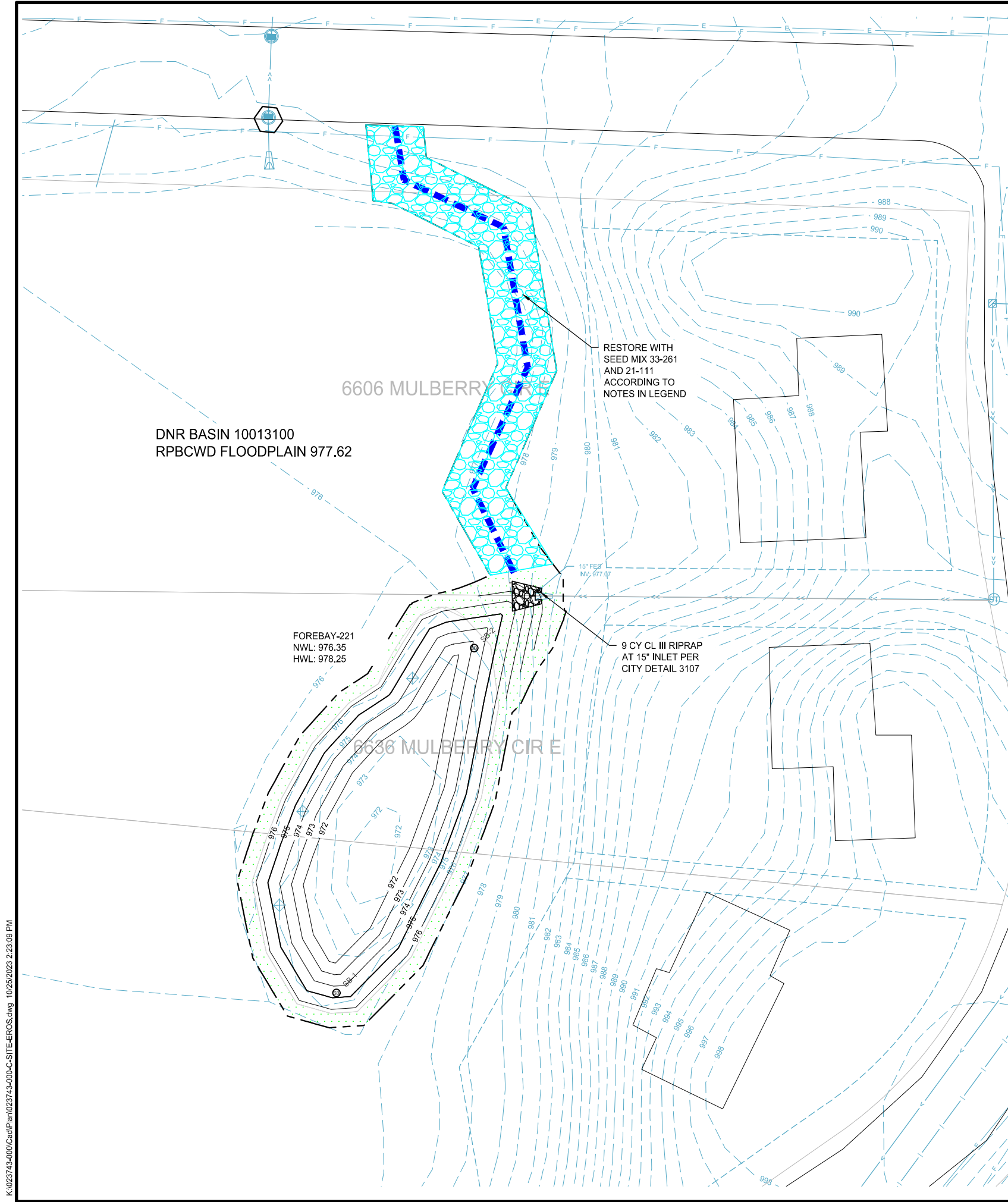
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GRADING PLAN

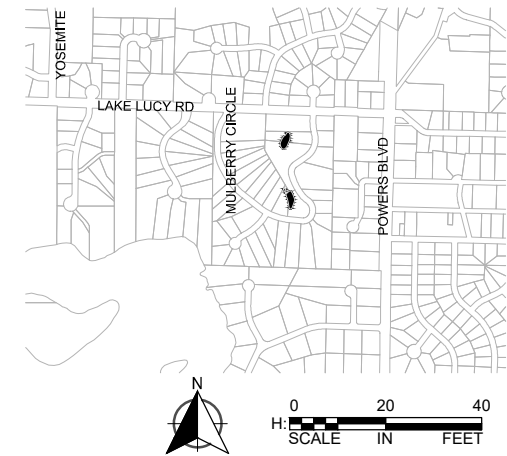
2023 POND MAINTENANCE PROJECT
CITY OF CHANHASSEN, MN

CLIENT PROJECT NO.	XXXXXX
WSB PROJECT NO.	023743-000
SHEET	7 OF 12

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LOCATION



	TYPE 25-151 SEED (120 LBS/AC) AND TYPE 21-111 SEED (100 LBS/AC) AND FERTILIZER TYPE 4 (150 LBS / AC)
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	CONSTRUCTION LIMITS
	ACCESS ROUTE
	PROPERTY LINE
	DRAINAGE AND UTILITY EASEMENT (PER PLAT)
	PROPOSED EASEMENT
	STORM SEWER PIPE - EXISTING
	920 CONTOUR - MAJOR - EXISTING
	922 CONTOUR - MINOR - EXISTING
	920 CONTOUR - MAJOR - PROPOSED
	922 CONTOUR - MINOR - PROPOSED
	SEDIMENT CONTROL LOG TYPE STRAW
	STORM DRAIN INLET PROTECTION

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RPBCWD EROSION CONTROL NOTES

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- ADDITIONAL MEASURES, SUCH AS HYDRAULIC MULCHING AND OTHER PRACTICES AS SPECIFIED BY THE DISTRICT MUST BE USED ON SLOPES OF 3:1 (H:V) OR STEEPER TO PROVIDE ADEQUATE STABILIZATION.
- FINAL SITE STABILIZATION MEASURES MUST SPECIFY THAT AT LEAST SIX INCHES OF TOPSOIL OR ORGANIC MATTER BE SPREAD AND INCORPORATED INTO THE UNDERLYING SOIL DURING FINAL SITE TREATMENT WHEREVER TOPSOIL HAS BEEN REMOVED.
- CONSTRUCTION SITE WASTE SUCH AS DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, LITTER AND SANITARY WASTE MUST BE PROPERLY MANAGED.
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- NO ACTIVITY AFFECTING THE BED/BANKS OF A PROTECTED WATER MAY BE CONDUCTED BETWEEN MARCH 15 AND JUNE 15.

wsb

SCALE: AS SHOWN PLAN BY: SML DESIGN BY: KJF CHECK BY: WCA

NO.	DATE	DESCRIPTION

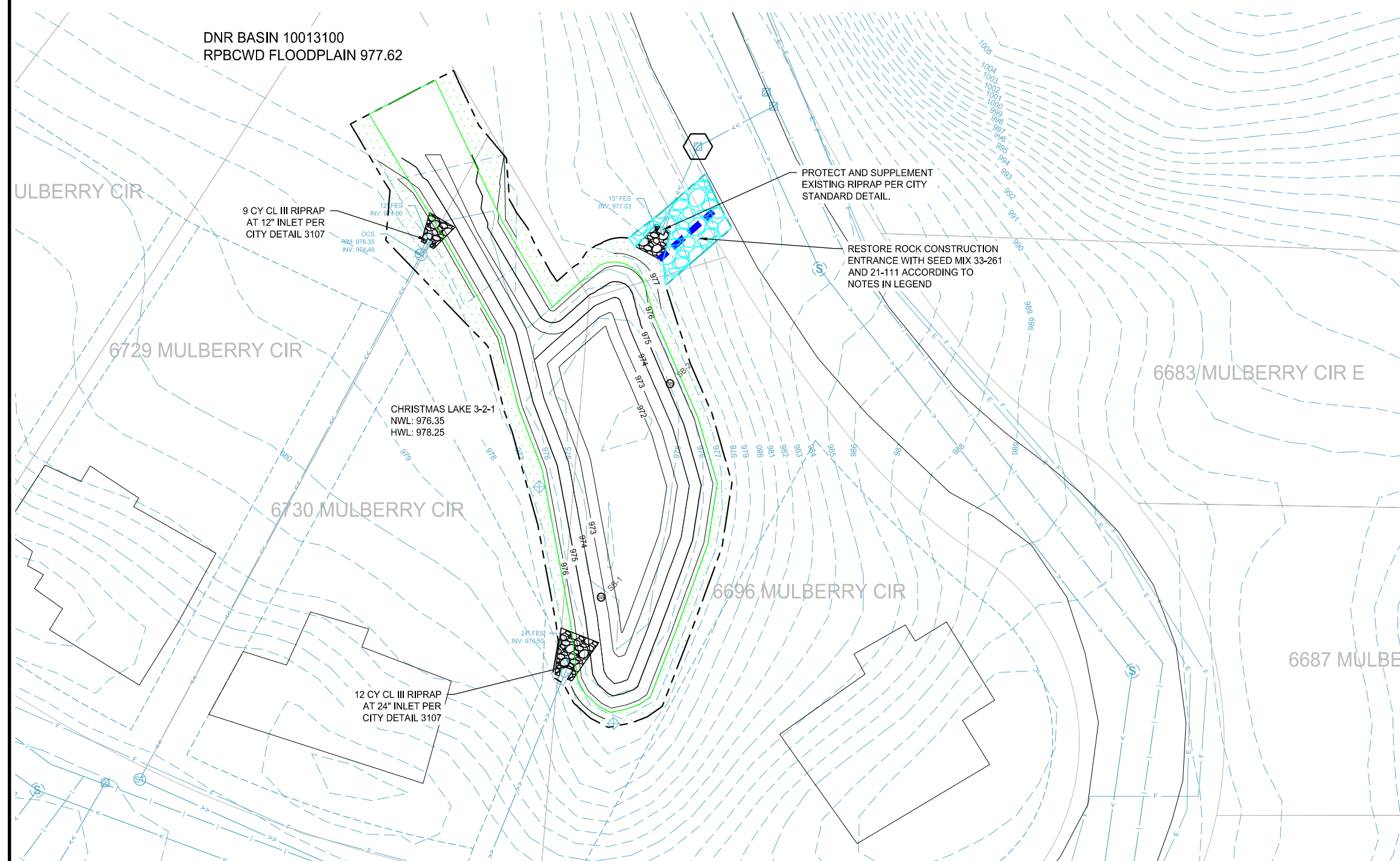
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DATE: XX-XX-XXXX LIC. NO.: 54301

EROSION CONTROL PLAN

2023 POND MAINTENANCE PROJECT
CITY OF CHANHASSEN, MN

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LOCATION



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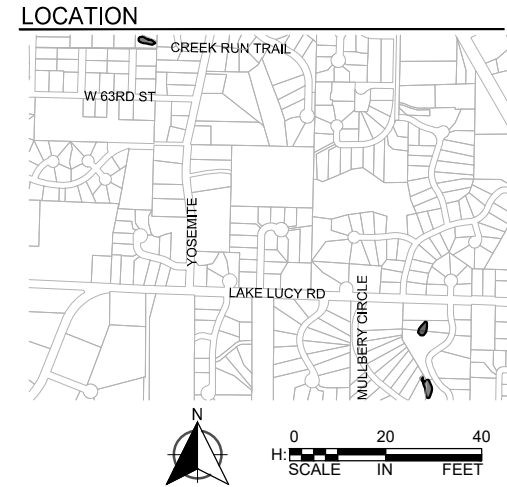
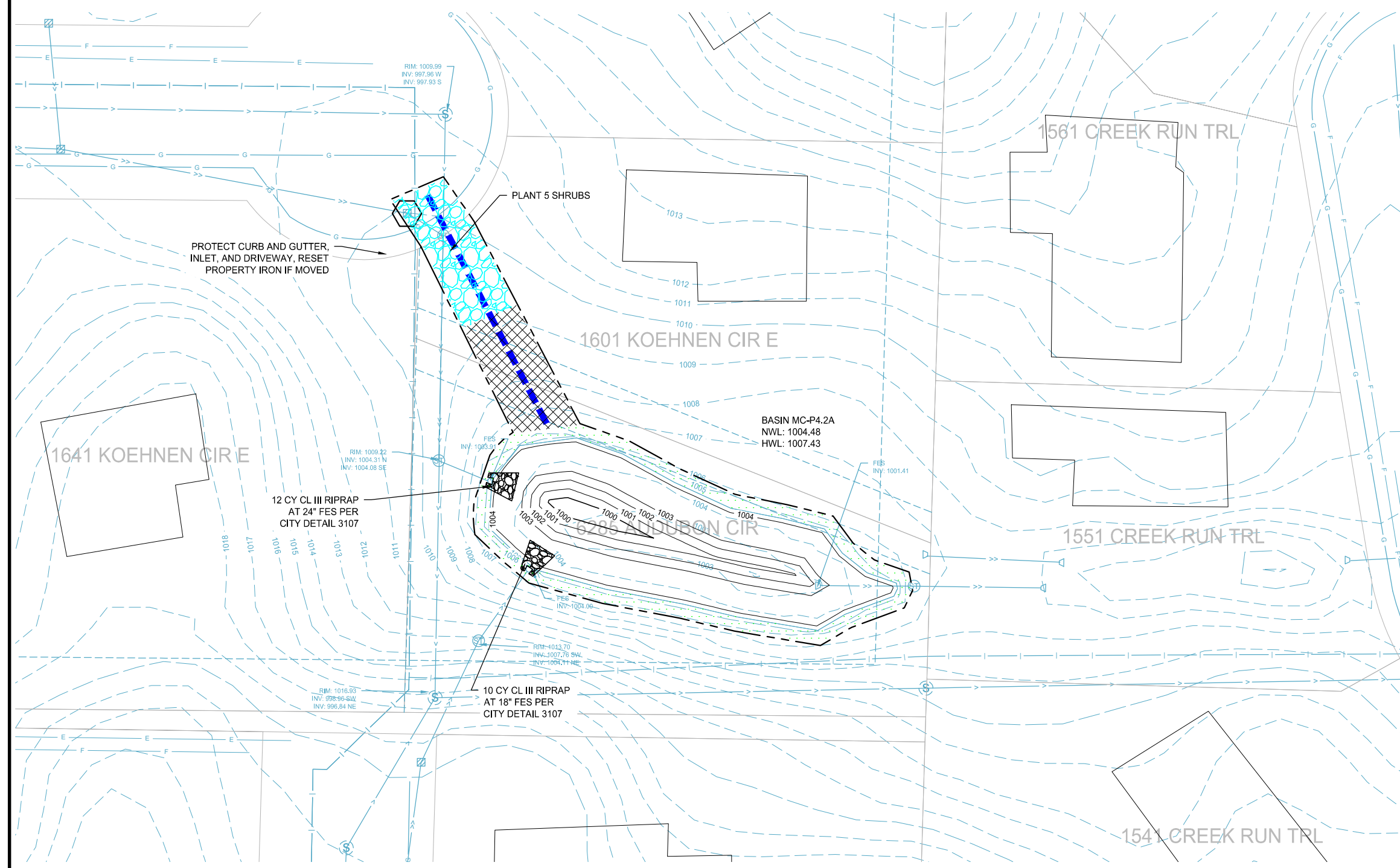
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EROSION CONTROL PLAN

2023 POND MAINTENANCE PROJECT
CITY OF CHANHASSEN, MN

CLIENT PROJECT NO.	XXXXXX
WSB PROJECT NO.	023743-000
SHEET	9 OF 12

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- TYPE 25-151 SEED (120 LBS/AC) AND TYPE 21-111 SEED (100 LBS/AC) AND FERTILIZER TYPE 4 (150 LBS / AC)
- TYPE 33-261 SEED (35 LBS/AC) AND TYPE 21-111 SEED (100 LBS/AC) AND FERTILIZER TYPE 4 (150 LBS / AC)
- STABILIZED CONSTRUCTION ENTRANCE RESTORE WITH SEED MIX 25-151 (120 LBS / AC) AND FERTILIZER TYPE 4 (150 LBS / AC)
- CONSTRUCTION LIMITS
- ACCESS ROUTE
- PROPERTY LINE
- DRAINAGE AND UTILITY EASEMENT (PER PLAT)
- PROPOSED EASEMENT
- STORM SEWER PIPE - EXISTING
- 920 CONTOUR - MAJOR - EXISTING
- 922 CONTOUR - MINOR - EXISTING
- 920 CONTOUR - MAJOR - PROPOSED
- 922 CONTOUR - MINOR - PROPOSED
- SEDIMENT CONTROL LOG TYPE STRAW
- STORM DRAIN INLET PROTECTION

wsb

SCALE: AS SHOWN PLAN BY: SML DESIGN BY: KJF CHECK BY: WCA

NO.	DATE	DESCRIPTION

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.

WILLIAM ALJMS LIC. NO.: 54301 DATE: XX-XX-XXXX

GENERAL CONSTRUCTION NOTES

- CONTRACTOR RESPONSIBLE FOR THE DAMAGE TO STREETS, PARKING LOTS, CONCRETE CURB AND GUTTER, TRAIL, AND TREES NOT SHOWN FOR REMOVAL.
- AT A MINIMUM, DAILY STREET SWEEPING REQUIRED DURING HAULING OPERATIONS, MORE OFTEN AS NEEDED OR DIRECTED BY THE ENGINEER.
- ALL STOCKPILES MUST HAVE DOWN GRADIENT PERIMETER SEDIMENT CONTROL IMPLEMENTED AND MAINTAINED AT ALL TIMES. STOCKPILES TO RECEIVE TEMPORARY STABILIZATION IF UNWORKED FOR 7 DAYS
- DEWATERING/DEICING TO TAKE PLACE PRIOR TO EXCAVATION AND SHALL BE COMPLETED BY DECEMBER 31, 2022 OR AN ALTERNATE DATE AS APPROVED BY ENGINEER. ICE IS TO BE STOCKPILED ON SITE AND PUT BACK IN POND FOLLOWING THE EXCAVATION AND IS INCIDENTAL TO THE DEWATERING PAY ITEM. DEWATERING PLANS MUST BE SUBMITTED AND APPROVED BY THE PROJECT ENGINEER 10 DAYS PRIOR TO PUMPING. PLANS MUST INCLUDE OPERATIONS FOR PREVENTING THE DISCHARGE OF TURBID WATER, AND MUST INCLUDE METHODS FOR CONTROLLING EROSION AND SCOUR.
- CONTRACTOR SHALL PERFORM ALL DEWATERING AND EXCAVATION ONSITE AND OFF OF ROADWAY, AND LOAD AND HAUL OUT USING ACCESS ROUTE.
- CONTRACTOR TO GRADE AROUND EXISTING STORM SEWER STRUCTURES AS DIRECTED BY THE ENGINEER.
- CONTRACTOR TO COORDINATE ACCESS LIMITS WITH THE ENGINEER IN THE FIELD.
- EXISTING POND CONTOURS DEVELOPED FROM PRE-DESIGN SURVEY.
- VEGETATION AND TREES LESS THAN 12" IN DIAMETER REMOVED FOR ACCESS OR IN AREA AS SHOWN ON THE PLANS WILL BE PAID FOR BY THE ACRE. ALL TREES REMOVED 12" IN DIAMETER OR LARGER WILL BE PAID FOR BY EACH WHERE SHOWN ON THE PLANS AND/OR WHERE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL SUPPLY THE CITY WITH TRAFFIC CONTROL AND STAGING PLANS PRIOR TO ANY CONSTRUCTION FOR CITY APPROVAL.
- WORK ASSOCIATED WITH PROTECTING AND/OR REMOVING AND REINSTALLING FENCES, STREET SIGNS, LAWN IRRIGATION SYSTEMS AND OTHER ITEMS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. ANY DAMAGE TO UNDERGROUND DOG FENCES MUST BE REPORTED TO THE INSPECTOR IMMEDIATELY AND REPAIRED WITHIN 24 HOURS.
- ELECTRONIC COPIES OF CAD GRADING PLANS WILL BE PROVIDED TO THE CONTRACTOR AND MACHINE CONTROL OR OTHER MEANS APPROVED BY THE ENGINEER SHALL BE USED TO GRAD TO PLANNED ELEVATIONS. IF NEEDED, ONE POST CONSTRUCTION SURVEY WILL BE COMPLETED AFTER GRADING; IF ADDITIONAL POST CONSTRUCTION SURVEY IS NEEDED TO VERIFY, GRADING COST WILL BE PASSED ALONG TO CONTRACTOR.

EROSION CONTROL NOTES

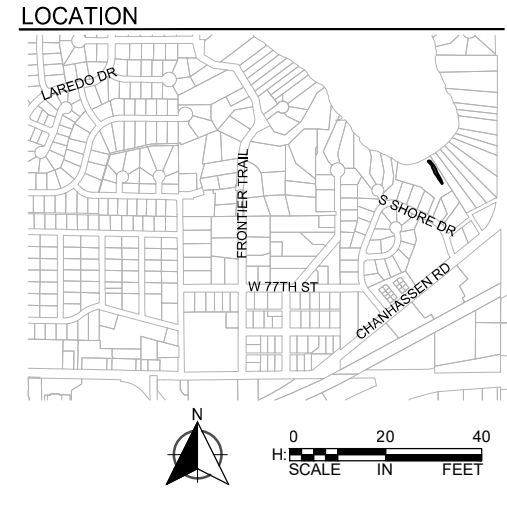
- FOR ALL RESTORATION PERFORMED PRIOR TO APRIL 15, RESTORE ALL DISTURBED AREAS WITH OATS COVER CROP (MNDOT SEED MIX 21-111, 100 LBS/AC).
- FOR RESTORATION PERFORMED AFTER APRIL 15, RESTORE ALL POND EDGES AND WOODED AREAS WHERE DISTURBED OR AS DIRECTED BY ENGINEER IN FIELD WITH TYPE 33-261 SEED (35 LBS/AC) OR TYPE 25-151 (120 LBS/AC) AS SHOWN IN PLANS. TYPE 21-111 SEED (100 LBS/AC) AND CATEGORY 3N EROSION CONTROL BLANKET SHALL BE INSTALLED ALONG POND EDGES, BUFFERS, AND NON-MOWABLE SLOPES AS DIRECTED BY THE ENGINEER IN THE FIELD.
- ALL SOILS DISTURBED DURING CONSTRUCTION ACTIVITIES WILL BE STABILIZED FOLLOWING SEED MIXES, FERTILIZER, AND STABILIZING COVER OUTLINED WITHIN THESE PLANS.
- IN THE EVENT THAT RESTORATION CANNOT BE IMPLEMENTED WITHIN 7 DAYS AFTER CONSTRUCTION ACTIVITY IN THE DISTURBED AREA HAS CEASED, TEMPORARY EROSION STABILIZATION BMPs (I.E. HYDRO MULCH 3884.B.2) MUST BE SCHEDULED TO OCCUR WITHIN THAT 7 DAY TIME FRAME. CONTRACTOR RESPONSIBLE FOR THE DAMAGE TO STREETS, PARKING LOTS, CONCRETE CURB AND GUTTER, TRAIL, AND TREES NOT SHOWN TO BE REMOVED.
- AT A MINIMUM, DAILY STREET SWEEPING REQUIRED DURING HAULING OPERATIONS, MORE AS NEEDED OR AS DIRECTED BY THE ENGINEER.
- ALL STOCKPILES MUST HAVE DOWN GRADIENT PERIMETER SEDIMENT CONTROL IMPLEMENTED AND MAINTAINED AT ALL TIMES. STOCKPILES TO RECEIVE TEMPORARY STABILIZATION IF UNWORKED FOR 7 DAYS
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- CONTRACTOR TO COORDINATE ACCESS LIMITS WITH THE ENGINEER IN THE FIELD.
- EXISTING POND CONTOURS DEVELOPED FROM PRE-DESIGN SURVEY.

EROSION CONTROL PLAN


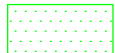
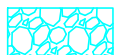






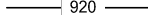





2023 POND MAINTENANCE PROJECT
CITY OF CHANHASSEN, MN

CLIENT PROJECT NO.	XXXXXX
WSB PROJECT NO.	023743-000
SHEET	12

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REVISIONS	
NO.	DESCRIPTION

-  TYPE 25-151 SEED (120 LBS/AC) AND TYPE 21-111 SEED (100 LBS/AC) AND FERTILIZER TYPE 4 (150 LBS / AC)
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-  CONSTRUCTION LIMITS
-  ACCESS ROUTE
-  PROPERTY LINE
-  DRAINAGE AND UTILITY EASEMENT (PER PLAT)
-  PROPOSED EASEMENT
-  STORM SEWER PIPE - EXISTING
-  CONTOUR - MAJOR - EXISTING
-  922 CONTOUR - MINOR - EXISTING
-  920 CONTOUR - MAJOR - PROPOSED
-  922 CONTOUR - MINOR - PROPOSED
-  SEDIMENT CONTROL LOG TYPE STRAW
-  STORM DRAIN INLET PROTECTION

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WILLIAM ALIUS
LIC. NO.: 54301
DATE: XX-XX-XXXX

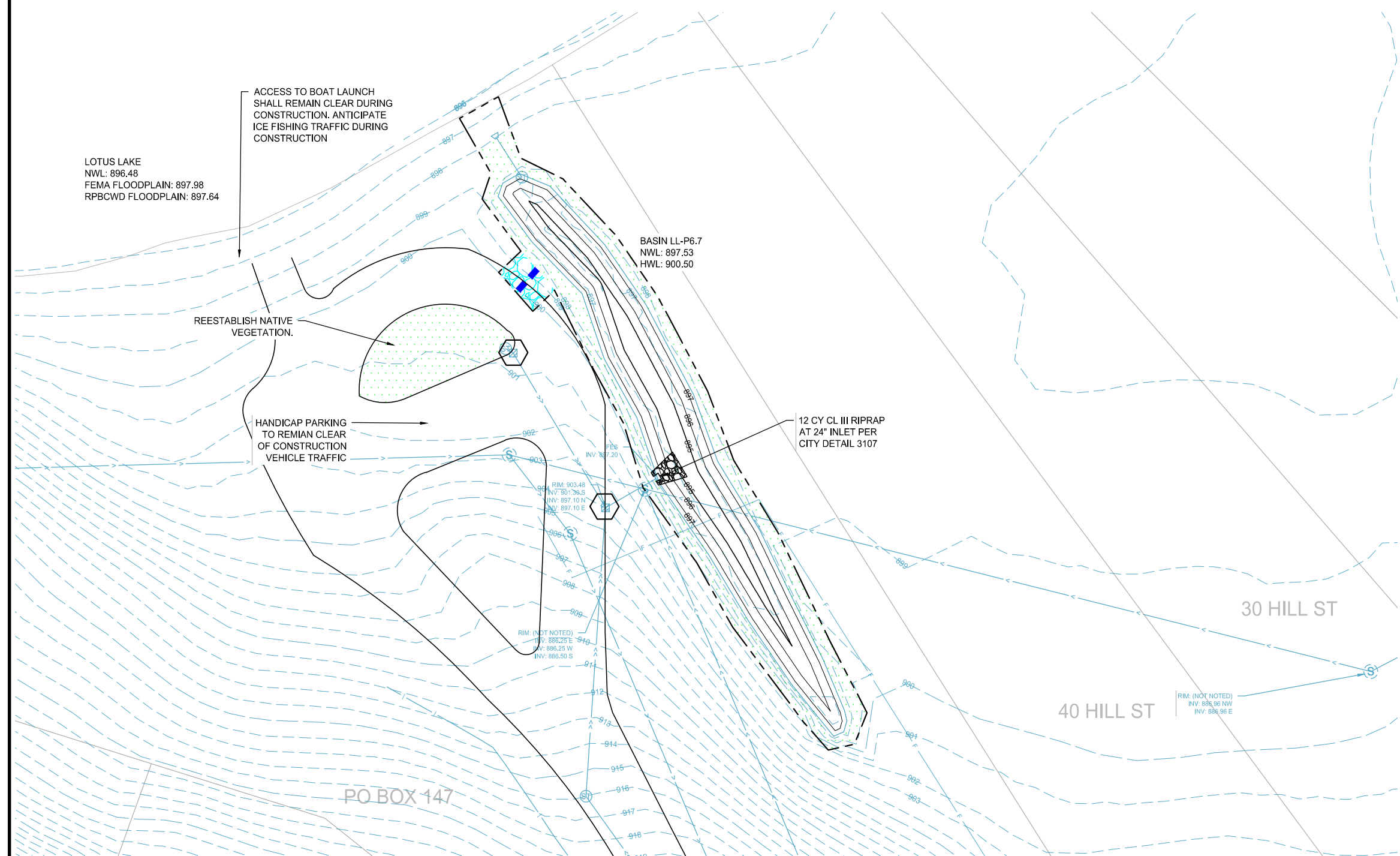
EROSION CONTROL PLAN

2023 POND MAINTENANCE PROJECT CITY OF CHANHASSEN, MN

CLIENT PROJECT NO. XXXXXX

WSB PROJECT NO. 023743-000

SHEET 11 OF 12

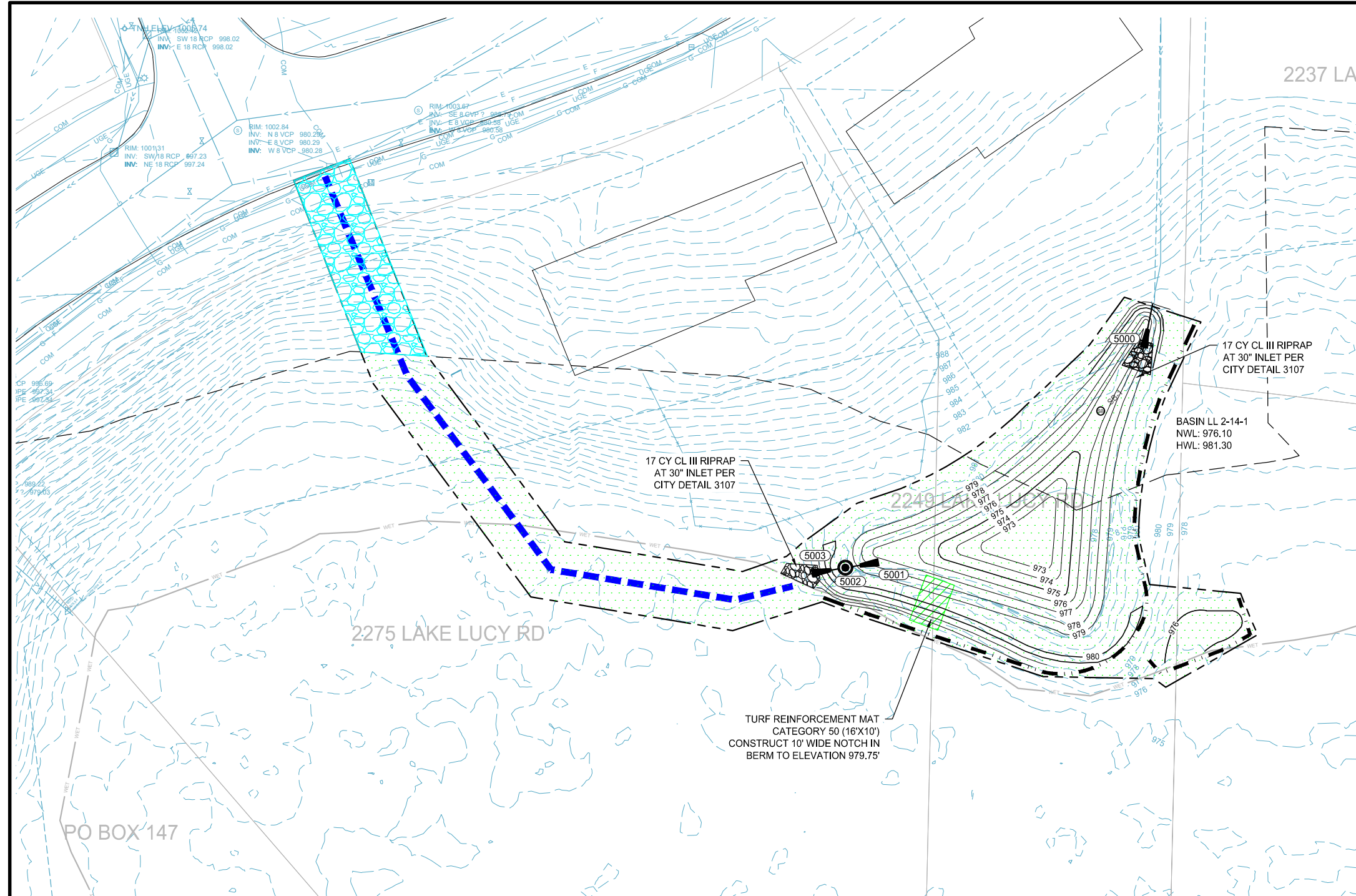


GENERAL CONSTRUCTION NOTES

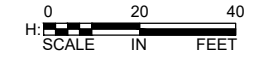
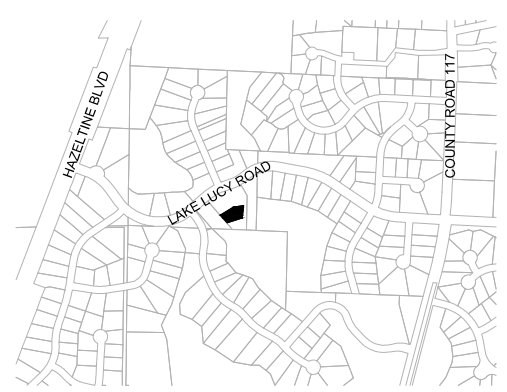
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RPBCWD EROSION CONTROL NOTES

- A. NATURAL TOPOGRAPHY AND SOIL CONDITIONS MUST BE PROTECTED, INCLUDING RETENTION ONSITE OF NATIVE TOPSOIL TO THE GREATEST EXTENT POSSIBLE.
- B. ADDITIONAL MEASURES, SUCH AS HYDRAULIC MULCHING AND OTHER PRACTICES AS SPECIFIED BY THE DISTRICT MUST BE USED ON SLOPES OF 3:1 (H:V) OR STEEPER TO PROVIDE ADEQUATE STABILIZATION.
- C. FINAL SITE STABILIZATION MEASURES MUST SPECIFY THAT AT LEAST SIX INCHES OF TOPSOIL OR ORGANIC MATTER BE SPREAD AND INCORPORATED INTO THE UNDERLYING SOIL DURING FINAL SITE TREATMENT WHEREVER TOPSOIL HAS BEEN REMOVED.
- D. CONSTRUCTION SITE WASTE SUCH AS DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, LITTER AND SANITARY WASTE MUST BE PROPERLY MANAGED.
- E. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPS MUST BE MAINTAINED UNTIL COMPLETION OF CONSTRUCTION AND VEGETATION IS ESTABLISHED SUFFICIENTLY TO ENSURE STABILITY OF THE SITE, AS DETERMINED BY THE DISTRICT.
- F. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPS MUST BE REMOVED UPON FINAL STABILIZATION.
- G. SOIL SURFACES COMPACTED DURING CONSTRUCTION AND REMAINING PERVIOUS UPON COMPLETION OF CONSTRUCTION MUST BE DECOMPACTED TO ACHIEVE A SOIL COMPACTION TESTING PRESSURE OF LESS THAN 1,400 KILOPASCALS OR 200 POUNDS PER SQUARE INCH IN THE UPPER 12 INCHES OF THE SOIL PROFILE WHILE TAKING CARE TO PROTECT UTILITIES, TREE ROOTS, AND OTHER EXISTING VEGETATION.
- H. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 7 CALENDAR DAYS AFTER LAND-DISTURBING WORK HAS TEMPORARILY OR PERMANENTLY CEASED ON A PROPERTY THAT DRAINS TO AN IMPAIRED WATER, WITHIN 14 DAYS ELSEWHERE.
- I. THE PERMITTEE MUST, AT A MINIMUM, INSPECT, MAINTAIN AND REPAIR ALL DISTURBED SURFACES AND ALL EROSION AND SEDIMENT CONTROL FACILITIES AND SOIL STABILIZATION MEASURES EVERY DAY WORK IS PERFORMED ON THE SITE AND AT LEAST WEEKLY UNTIL LAND-DISTURBING ACTIVITY HAS CEASED. THEREAFTER, THE PERMITTEE MUST PERFORM THESE RESPONSIBILITIES AT LEAST WEEKLY UNTIL VEGETATIVE COVER IS ESTABLISHED. THE PERMITTEE WILL MAINTAIN A LOG OF ACTIVITIES UNDER THIS SECTION FOR INSPECTION BY THE DISTRICT ON REQUEST.
- J. ACTIVITIES MUST BE CONDUCTED SO AS TO MINIMIZE THE POTENTIAL TRANSFER OF AQUATIC INVASIVE SPECIES (E.G., ZEBRA MUSSELS, EURASIAN WATERMILFOIL, ETC.) TO THE MAXIMUM EXTENT POSSIBLE.
- K. NO ACTIVITY AFFECTING THE BED/BANKS OF A PROTECTED WATER MAY BE CONDUCTED BETWEEN MARCH 15 AND JUNE 15.



LOCATION



	TYPE 25-151 SEED (120 LBS/AC) AND TYPE 21-111 SEED (100 LBS/AC) AND FERTILIZER TYPE 4 (150 LBS / AC)
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EROSION CONTROL PLAN

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2023 POND MAINTENANCE PROJECT
CITY OF CHANHASSEN, MN

CLIENT PROJECT NO. XXXXXX

WSB PROJECT NO. 023743-000

SHEET 12 OF 12

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