



## STAFF REPORT

DATE: 5/2/17  
AGENDA ITEM: 7  
CASE # 2017-15

TO: City Council

ITEM: Royal Golf Club at Lake Elmo Grading Permit

SUBMITTED BY: Stephen Wensman, Planning Director

REVIEWED BY: Emily Becker, City Planner  
Jack Griffin, City Engineer

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**BACKGROUND:** HC Royal Golf Course Development has made application for preliminary plat, but final decision of the preliminary plat by the City Council is on hold until the Metropolitan Council approves HC Royal Golf Course Development's comprehensive plan amendment. Because the preliminary plat is essentially on hold, the developer is requesting a grading permit ahead of preliminary plat approval in order to make use of good weather and to speed up the physical development of the project. Development grading typically occurs after preliminary plat approval and the grading is then performed according to approved preliminary grading plans. In this case, the preliminary plat may change by either Metropolitan Council or City Council review, therefore, the City's review of the plans are primarily focused on meeting the City's grading and erosion control and other applicable codes and standards. Grading is also subject to meeting City standards for erosion control, Valley Branch Watershed District (VBWD) approval and an NPDES permit. The grading will be conducted at the developer's sole risk.

**ISSUE BEFORE COUNCIL:** The Council is being asked to approve a grading permit to excavate over 400 cubic yards per acre of site area, the phase 1 grading of the Royal Golf Club at Lake Elmo development.

**PROPOSAL DETAILS/ANALYSIS:** The developer proposes to excavate over 400 cubic yards per acre of site area, triggering the need for a public hearing which was held on April 24, 2017 at the Planning Commission. The grading area is 73 acres in size and encompasses the northeastern and southwestern portions of the Royal Golf Club at Lake Elmo development area. Typically preliminary grading is conducted after preliminary plat approval and in association with approved preliminary grading plans. The developer is requesting a grading permit outside of the preliminary plat process in order to facilitate early grading in the event the preliminary plat approval is delayed. In either case, the grading will be conducted according to grading plans which will substantially conform to the preliminary PUD plans that have been prepared and reviewed to date and are anticipated for approval with some modifications. Grading is also subject to meeting City standards for erosion control, Valley Branch Watershed District (VBWD) approval and an NPDES permit. Grading prior to plat approval does not guarantee approval of the preliminary plat and is conducted at the developer's own risk. In approving this grading activity the developer will be asked to acknowledge as part of the grading

agreement that grading rework will likely be required as necessary to conform to the final approved Plat and construction plans.

Access to the site will occur at 10<sup>th</sup> Street North and 20<sup>th</sup> Street North for the grading and locations will need to be identified on the grading plans to be reviewed and approved by the City Engineer. There will be no trucking of materials on or off the site. There will be no utility work conducted with the grading. Utility work will be conducted after preliminary plat approval and under a Site Work Agreement which will establish appropriate securities for such work. As outlined in the Planning Commission report, the developer will remove 35.4% of the phase 1 trees resulting in the need for tree replacement associated with the phase 1 grading. An escrow for tree replacement will be required as part of the Grading Agreement to be executed between the developer and the city

**FISCAL IMPACT:** There should be no fiscal impact to the City. A grading agreement will be executed prior to any grading activities that establishes a security for required tree replacement, erosion control and site restoration in the even the developer is unable to complete the site restoration.

**OPTIONS:** The City Council has the following options:

1. Approve Resolution 2017-\_\_ approving the grading permit with 7 conditions based on findings.
2. Amend Resolution 2017-\_\_ and then approve it.
3. Deny the grading request, and provide findings for denial to be brought back at a future meeting.

**PUBLIC HEARING/PLANNING COMMISSION REVIEW:** The Planning Commission held a public hearing and reviewed the grading permit on 4/24/17. Three residents spoke at the public hearing and two residents sent emails of support for the grading. The residents that spoke were primarily concerned with:

- Hours of operation
- Protection of an adjacent drainfield
- Flood and watershed protection
- Safety on 20<sup>th</sup> Street N.

The Planning Commission recommended approval (7-0) with an amendment to one of the conditions of approval and an additional finding for approval. Todd Williams made a statement regarding impacts to adjacent residential properties as a result of the excavation for ponding in the northeast corner.

**RECOMMENDATION:** Staff and the Planning Commission respectfully request the City Council approve HC Golf Course Development's request for a grading permit with the following motion:

***“Motion to approve Resolution 2017-\_\_ approving HC Royal Golf Course Development's grading permit to grade the phase 1 Royal Golf Club at Lake Elmo residential development area with 7 conditions and findings for approval.”***

**ATTACHMENTS:**

1. Application Narrative

2. Royal Golf Club at Lake Elmo Grading, Development and Erosion Control Plans dated 4/7/17
3. Tree Preservation Plan
4. Planning Commission packet 4/24/17
5. Resolution 2017-045 approving phase 1 grading for RGC

# **THE ROYAL GOLF CLUB**

Grading Permit

March 27, 2017

## **Background**

Tartan Park, 3M's private 27-hole golf course and recreational facility was purchased by H.C. Golf Course Development, LLC in March of 2016. Since that time, the golf course reconstruction and proposed clubhouse renovation have begun with an expected opening Summer of 2017. H.C. Golf applied for a Comprehensive Plan Amendment on September 12, 2016. This application was approved, conditioned on Metropolitan Council approval, January 9, 2017. The EAW for the Royal Golf Club was approved by the City Council on January 17, 2017 and the Zoning Text Amendment for the new Golf Course Community designation was approved on February 7<sup>th</sup>, 2017. The applicant has prepared a Shoreland PUD/Cluster evaluation that is in the final stages of review by the City of Lake Elmo. On September 8, 2016, H.C. Golf requested that the City undertake a Water Supply study based on the City Engineer's recommendation during the Concept Plan review. The study is complete, the recommended changes to RGC's water looping system have been made. RGC has obtained its required Wetland Alteration Permits and received approval of the Wetland Replacement Plan. The Planning Commission is expected to give approval the preliminary plat March 27, 2017.

Due to the need to finish a first phase of development by the end of 2017, the surrounding cities taking their full 60 days to comment on the CPA, and with the same time of review expected by the Met Council, it is necessary to apply for a grading permit prior to the preliminary plat process finishing in its entirety.



## **Project Phasing**

### **➤ Development Phasing**

The first phase of **development** (installation of streets and utilities directly serving platted lots) will be the northeast side of the site. This comprises 84 lots, both villa and traditional single family) and the streets to serve them. The **sewer** to serve these lots comes from the intersection of Lake Elmo Ave. and 10<sup>th</sup> Street so a 1.5 mile forcemain will need to be installed across the golf course and down 10<sup>th</sup> to serve this phase. The first phase is served by **water** from the intersection of 20<sup>th</sup> Street and Lake Elmo Ave.

This arrangement is unusual in that developers generally try to develop nearest the infrastructure source to minimize front end costs. In this case, due to the County requirement that the clubhouse be hooked up to sewer and water with 24 months of sewer being available to the site. This requirement economically makes development of the east side the most efficient.

### **➤ Utility Phasing**

As mentioned above, extensive utility work is needed to serve the first phase and clubhouse. As such, RGC will be requesting a "Site Development Agreement" to extend certain utilities once preliminary plat approval is obtained but prior to receiving final plat approval. There two segments of the utilities that this agreement will apply to. One segment is the watermain along 20<sup>th</sup> Street to Phase 1. ***This watermain will not be "hooked up" to anything in Phase 1; it will simply be "brought" to Phase 1.***

Additionally, to facilitate restoration of the golf course so that grass can grow back in this summer, the Site Development Agreement will allow for the construction of the forcemain, watermain, sanitary sewer, and storm sewer ***within the golf course limits.*** The sewer and water lines will not be energized – they are put in solely to shrink the construction schedule and allow the course to heal over the summer. The storm sewer will connect Pond 10 to Horseshoe Lake. This pipe (and pond) will likely be dry until the subdivision storm sewer system is installed. The forcemain and the watermain will not be hooked up to anything until after final plat and final utility plan approvals. Because these are not as "elevation sensitive" like infrastructure in the subdivision, they can be put in first and any needed adjustments can be made when they are hooked up to the lift stations and subdivision watermains. The sanitary sewer serve line will serve the clubhouse, fitness center and maintenance building; there is sufficient enough grade in the sewer line serving these buildings that we are not concerned with grade. Again, this pipe will not be energized; this is expected in 2019.

The remaining utilities (subdivision utilities to serve lots) will all be put in under the normal process – final plat with Developers Agreement, final approval of construction plans, securities, plat recordation.

➤ **Grading Phasing**

The Phase 1 grading encompasses the NE area of the site in addition to the SW corner. Because a second phase of development will likely occur early in 2018 (in the SW corner of the site), it is preferable to grade this portion in late 2017 in advance of utility construction in Spring of 2018. Additionally, there is a certain amount of grading in this area that will be necessary to bring sewer down to the lift station located on 10<sup>th</sup> street.

**Grading Specifics**

During the Phase 1 grading, approximately 73 acres will be disturbed, creating a common excavation quantity of 224,000 cubic yards, not including subgrade corrections and trench borrow. A large excavation will be created in the corner of 20<sup>th</sup> Street and Manning Trail to replace the floodplain that was filled to provide for an entrance to 20<sup>th</sup> Street. There will also be the necessary stormwater treatment and infiltration basins required by City ordinance and VBWD rules. All disturbed areas will be restored with seeding and fiber blankets per rule and ordinance.

There are several retaining walls shown as part of the grading plans. At this time, it is expected that walls 5' tall or less will be constructed of large limestone blocks and that walls in excess of 5' will be of poured concrete with a limestone-like pattern. As more information regarding costs are obtained, it may be decided that all walls will be made with large limestone blocks. All walls will be maintained by the Homeowners Association.

**Tree Preservation**

Tree preservation plans for Phase 1 grading are included. A spreadsheet is also included showing all the trees in Phase 1 along with the expected removal. As shown, the tree removal with Phase 1 is 12% therefore not triggering any replacement. Regardless, the landscaping for the Phase 1 plat (84 lots) will contain landscaping that will be counted toward future tree replacement when those phases occur.

## **Wetland Impacts**

Wetland 16 on the attached plans will be excavated with this phase. This alteration has been permitted through the required agencies; the replacement will be by way of purchasing wetland credits.

An MnPCA permit has been applied for and acquired.

Sincerely,

Rick Packer  
President

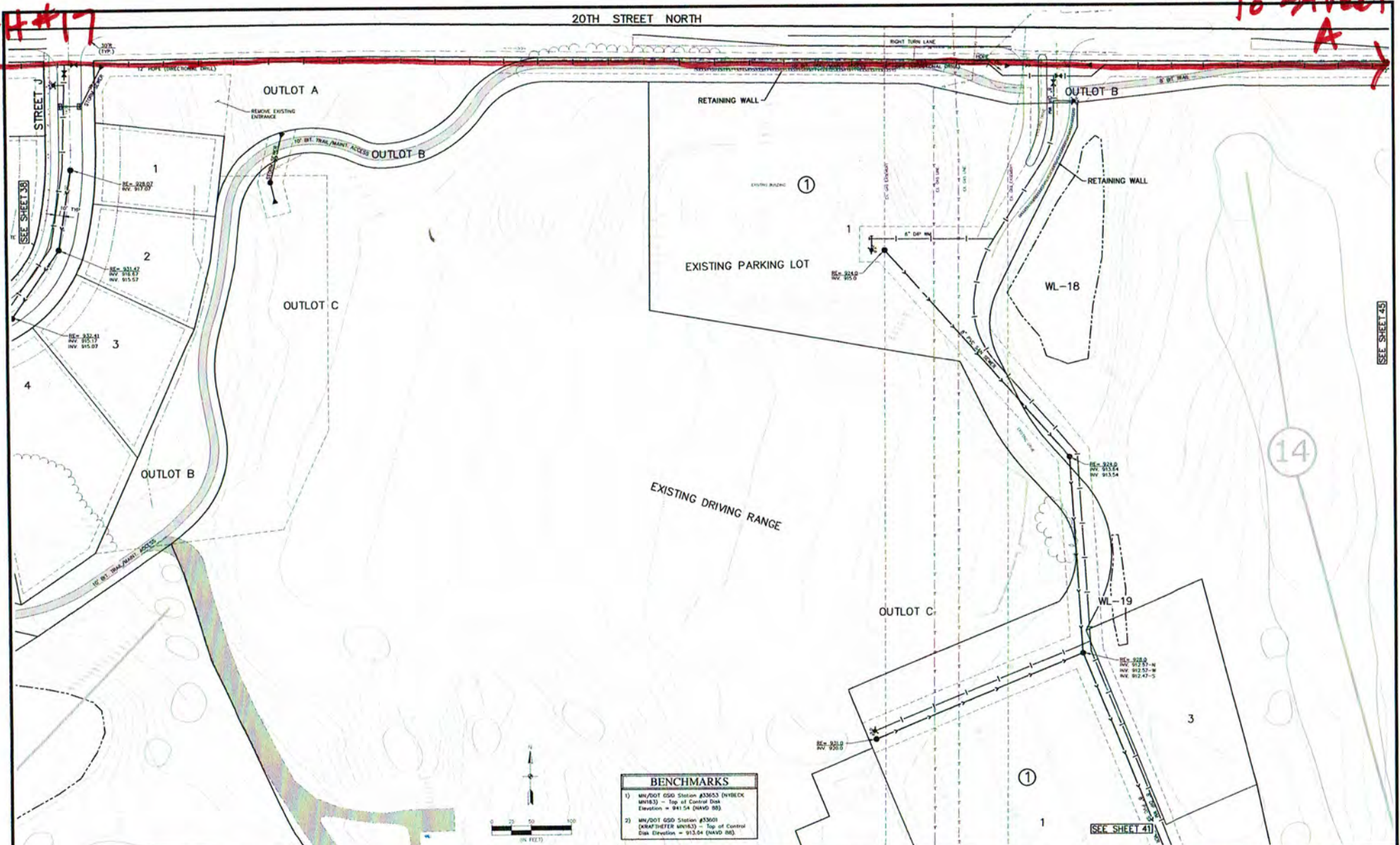


Royal Golf Club  
H.C. Golf Land, LLC.

# SITE WORK PERMIT

To SAH #17  
←

To street  
A →



BENCHMARKS	
1)	WM/001 650 Station #33653 (NAD83) - Top of Control Stake Elevation = 941.54 (NAVD 88)
2)	WM/001 650 Station #33601 (NAD83) - Top of Control Stake Elevation = 913.04 (NAVD 88)

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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

Print Name: Eric J. Kuytola, P.E.  
Signature: [Signature]  
Date: 8/21/15 License #: 23063

Drawn: [Signature]  
Designed: [Signature]  
Date: 8/21/15

Revisions:  
1. 2/10/17 Revise Per City Comments  
2. 2/20/17 Revise Per City Comments

**H.C. Golf Course Development, LLC**  
11074 Radisson Rd NE  
Blaine, MN 55449

**THE ROYAL GOLF CLUB AT LAKE ELMO**  
Lake Elmo, Minnesota

**PRELIMINARY SITE & UTILITY PLAN**

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**BENCHMARKS**

1)	MN/DOT GSD Station #3555 (HYPOCK)
	WH183 - Top of Control Disk
	Elevation = 941.54 (NAVD 88)
2)	MN/DOT GSD Station #3501
	(KRAFTHER WH183) - Top of Control
	Disk Elevation = 913.04 (NAVD 88)

**Project Information:**

**H.C. Golf Course Development, LLC**  
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**THE ROYAL GOLF CLUB AT LAKE ELMO**  
Lake Elmo, Minnesota

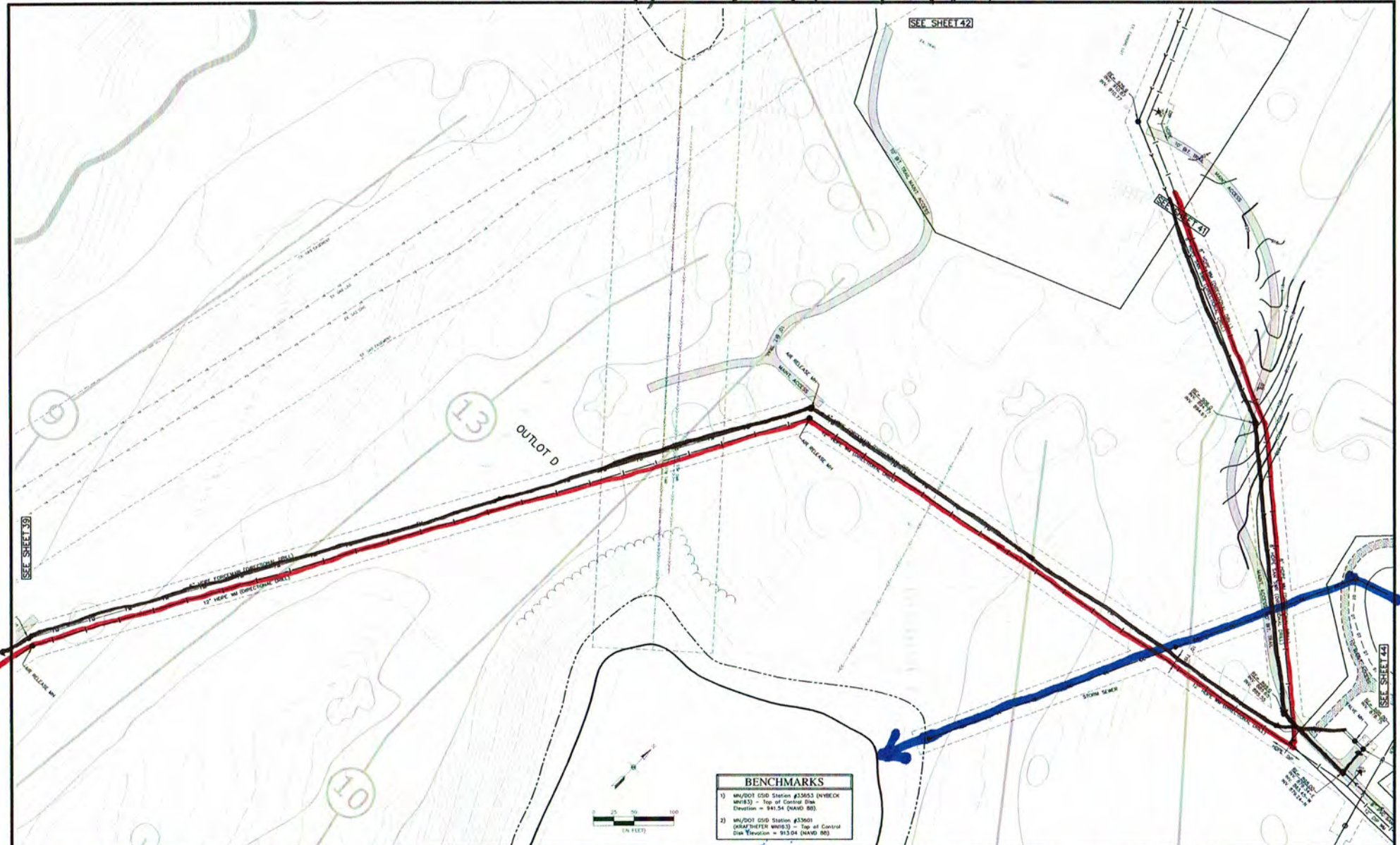
**PRELIMINARY SITE & UTILITY PLAN**

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To Horsehoe



# SITE WORK PERMIT



**Carlson McCain**

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Drawn: 130  
Designed: 80K  
Date: 9/21/15

Revisions:  
1. 2/10/17 Revises Per City Comments  
2. 2/28/17 Revises Per City Comments

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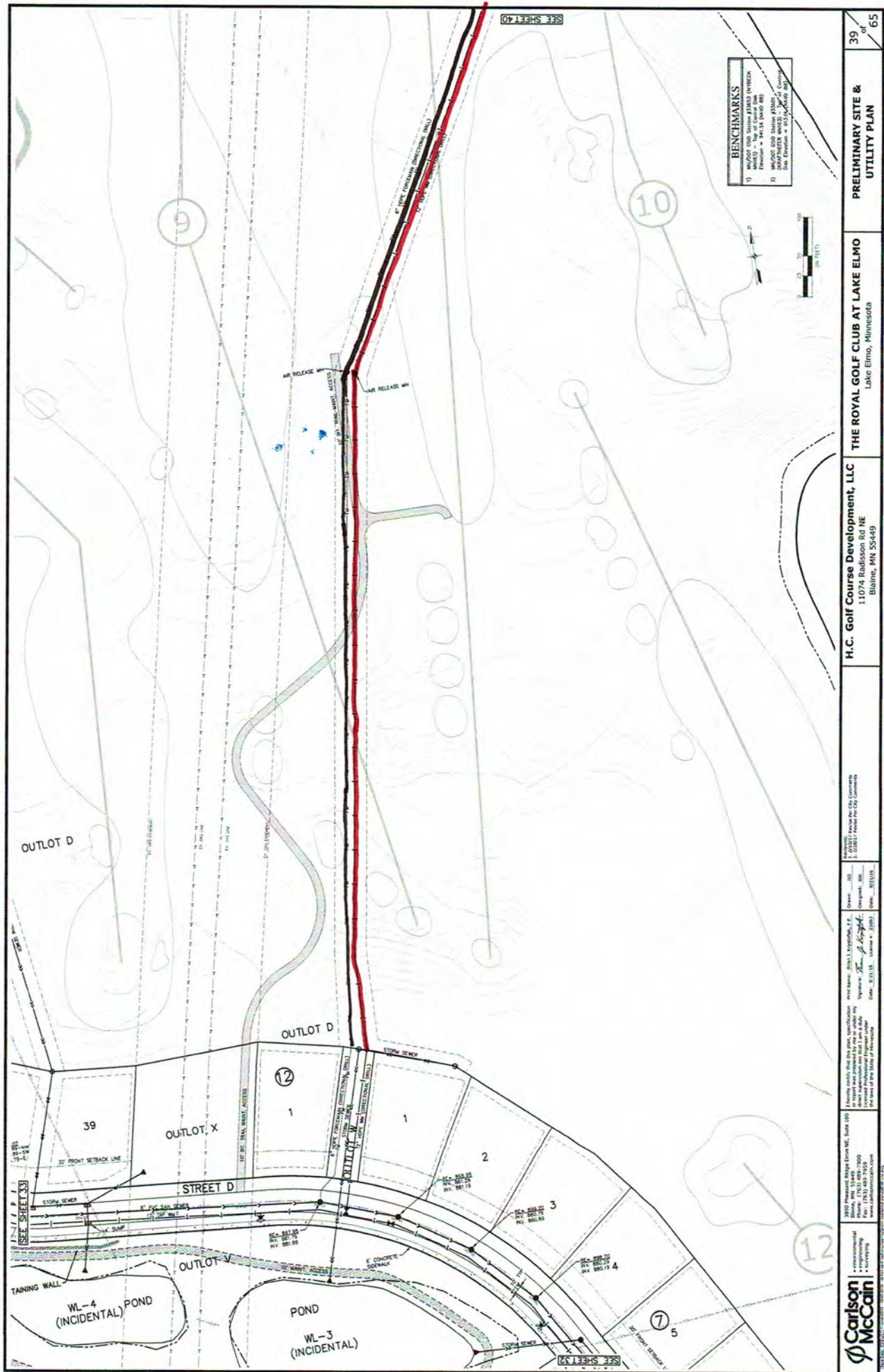
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**PRELIMINARY SITE & UTILITY PLAN**

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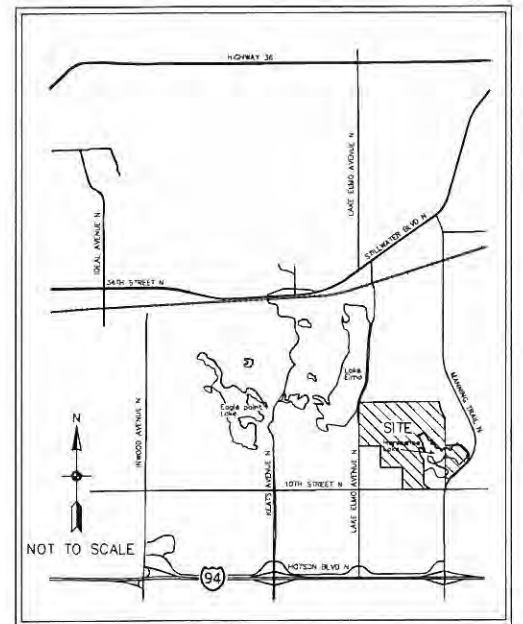
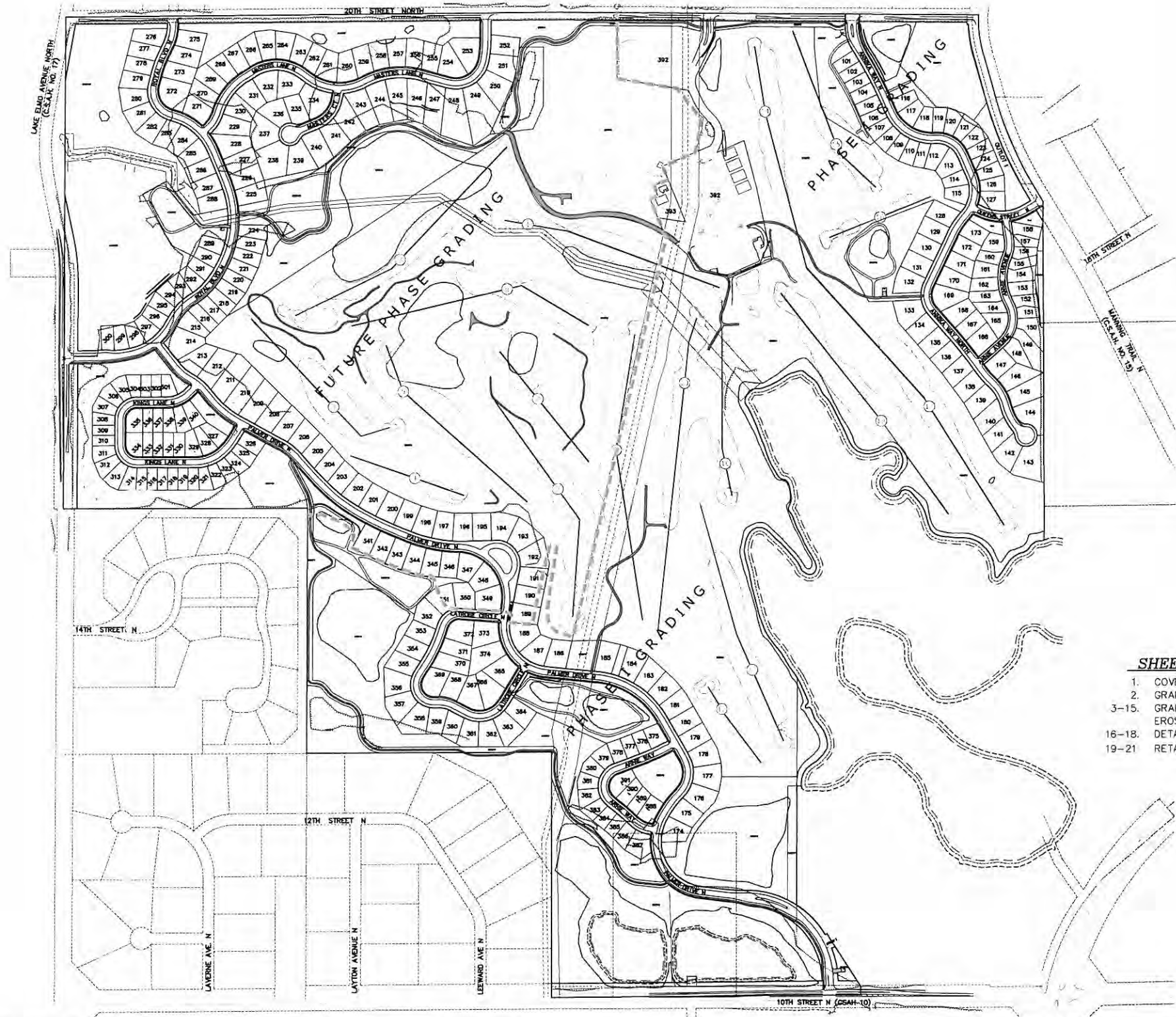
THE WORK PERMIT



# THE ROYAL GOLF CLUB AT LAKE ELMO

## GRADING, DEVELOPMENT & EROSION CONTROL PLANS

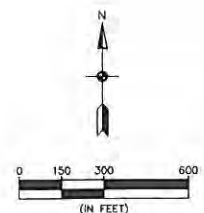
### BLAINE, MINNESOTA



VICINITY MAP

#### SHEET INDEX

1. COVER
2. GRADING INDEX
- 3-15. GRADING DRAINAGE & EROSION CONTROL PLANS
- 16-18. DETAILS
- 19-21. RETAINING WALL PROFILES



#### BENCHMARKS

- 1) MN/DOT GSD Station #33653 (NYBECK MN163) - Top of Control Disk  
Elevation = 941.54 (NAVD 88).
- 2) MN/DOT GSD Station #33601 (KRAFTHEFER MN163) - Top of Control Disk  
Elevation = 913.04 (NAVD 88).



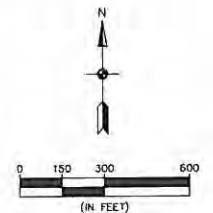


LEGEND	
EXISTING	PROPOSED
PROPERTY LINE	---
EASEMENT LINE	---
CURB LINE	---
BITUMINOUS	---
CONCRETE	---
SANITARY SEWER	---
STORM SEWER	---
WATER MAIN	---
OVERHEAD UTILITY	---
STORM CATCH BASIN	---
STORM MANHOLE	---
OUTLET CONTROL STRUCTURE	---
MANHOLE	---
HYDRANT	---
GATE VALVE	---
TELEVISION BOX	---
TELEPHONE BOX	---
UTILITY POLE	---
RETAINING WALL	---
FENCE	---
10' CONTOUR	---
2' CONTOUR	---
FEMA FLOOD PLAIN	---
WETLAND LINE	---
SPOT ELEVATION	---
EMERGENCY OVERFLOW	---
SILT FENCE	---
TREE FENCE	---
TREELINE	---
SOIL BORING	---
GRADING LIMITS	---
STORM CATCH BASIN	---
WETLAND BUFFER SIGN	---

WETLAND FILL SUMMARY	
WETLAND FILL	3097 S.F.
WETLAND EXCAVATION	12,032 S.F.
TOTAL WETLAND IMPACT	15,129 S.F.

NORTHEAST FLOODPLAIN SUMMARY	
EXISTING FLOODPLAIN	81.3 AC/FT
PROPOSED FLOODPLAIN	81.3 AC/FT

SOUTH FLOODPLAIN SUMMARY	
FLOODPLAIN FILL	2500 CY
FLOODPLAIN MITIGATION	3200 CY



BENCHMARKS	
1)	MN/DOT GSD Station #33653 (NYBECK MN163) - Top of Control Disk Elevation = 941.54 (NAVD 88).
2)	MN/DOT GSD Station #33601 (KRAFTHEFER MN163) - Top of Control Disk Elevation = 913.04 (NAVD 88).

CALL BEFORE YOU DIG

The subsurface utility information shown on this plan is utility Quality Level D. This quality level was determined according to the guidelines of C/AISOE 38-02, entitled "Standards Guideline for the Collection and Depiction of Existing Subsurface Utility Data."

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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

Print Name: Brian J. Krystofak, P.E.  
Signature: *Brian J. Krystofak*  
Date: 4/7/17 license # 25063

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Designed: BJK  
Date: 4/7/17

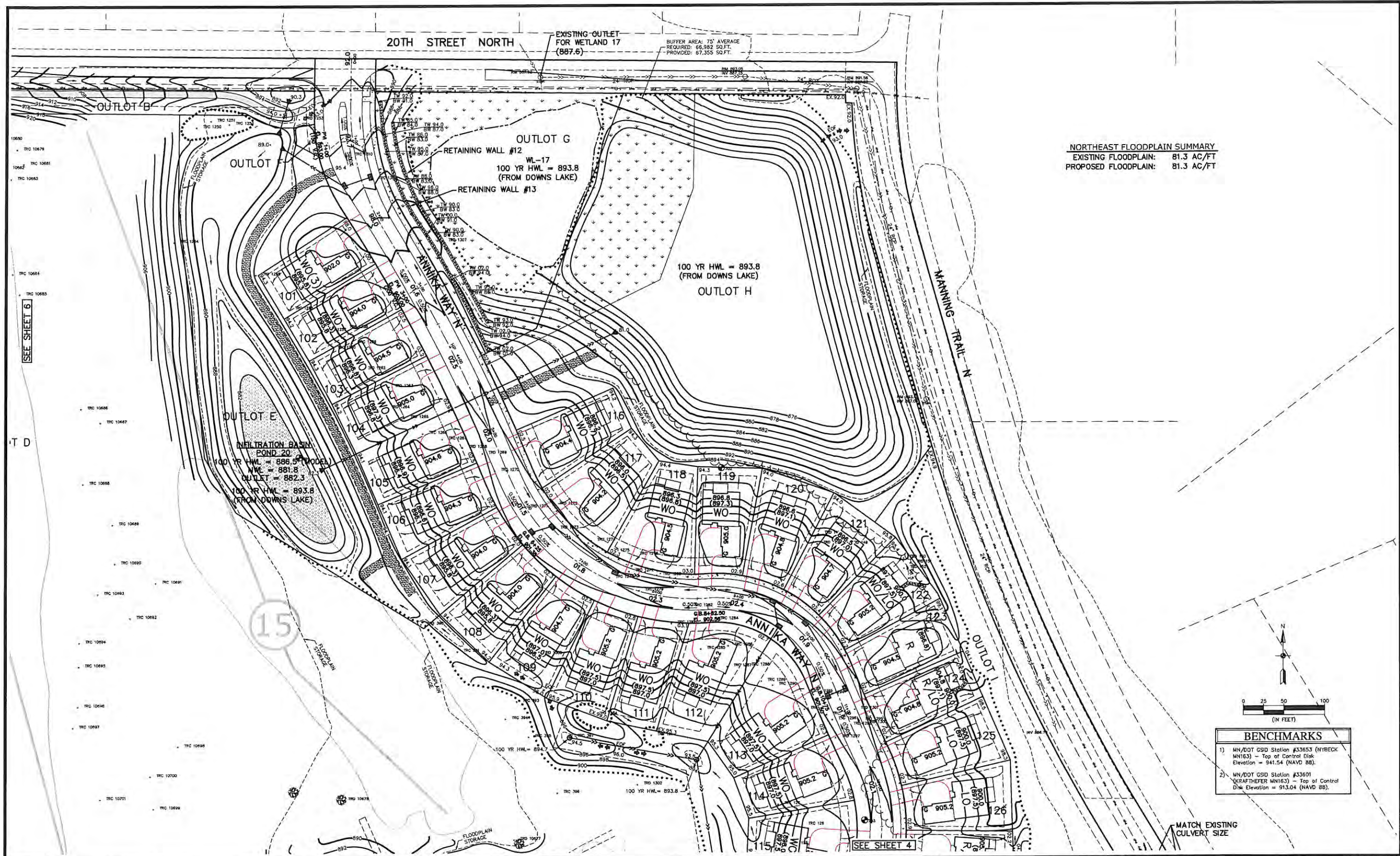
Revisions:  
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**THE ROYAL GOLF CLUB AT LAKE ELMO**  
Lake Elmo, Minnesota

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NORTHEAST FLOODPLAIN SUMMARY  
EXISTING FLOODPLAIN: 81.3 AC/FT  
PROPOSED FLOODPLAIN: 81.3 AC/FT

BENCHMARKS	
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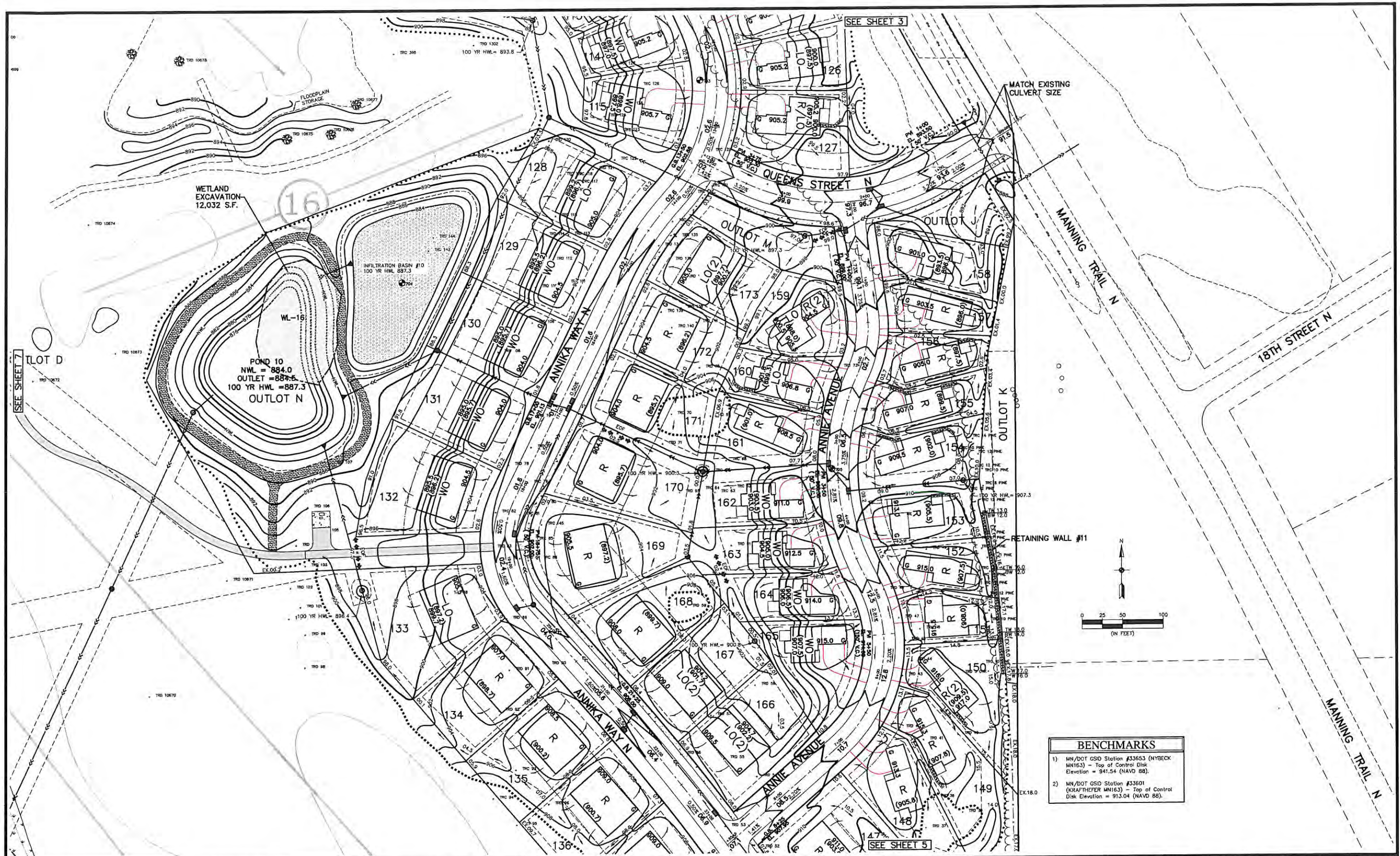
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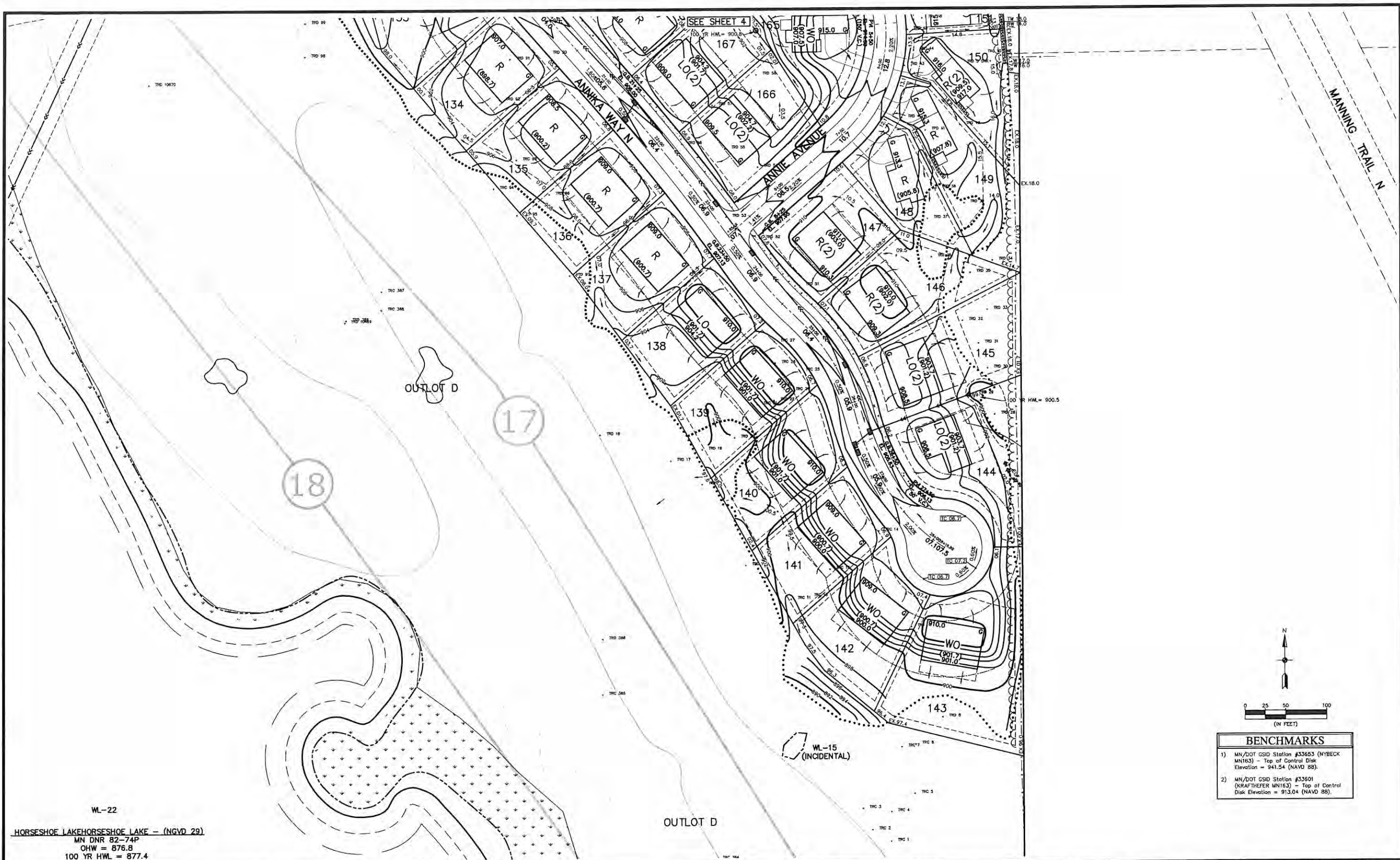
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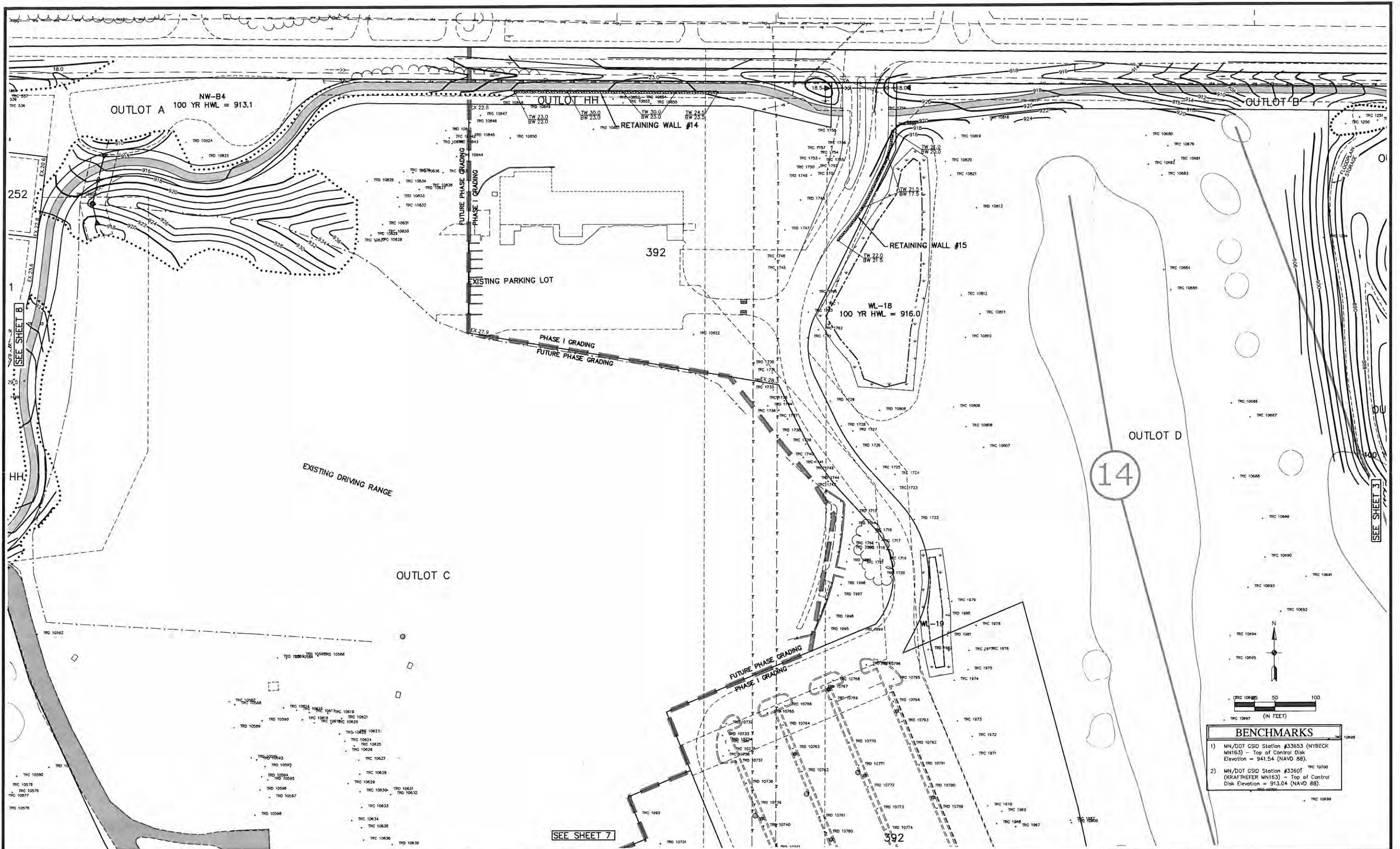
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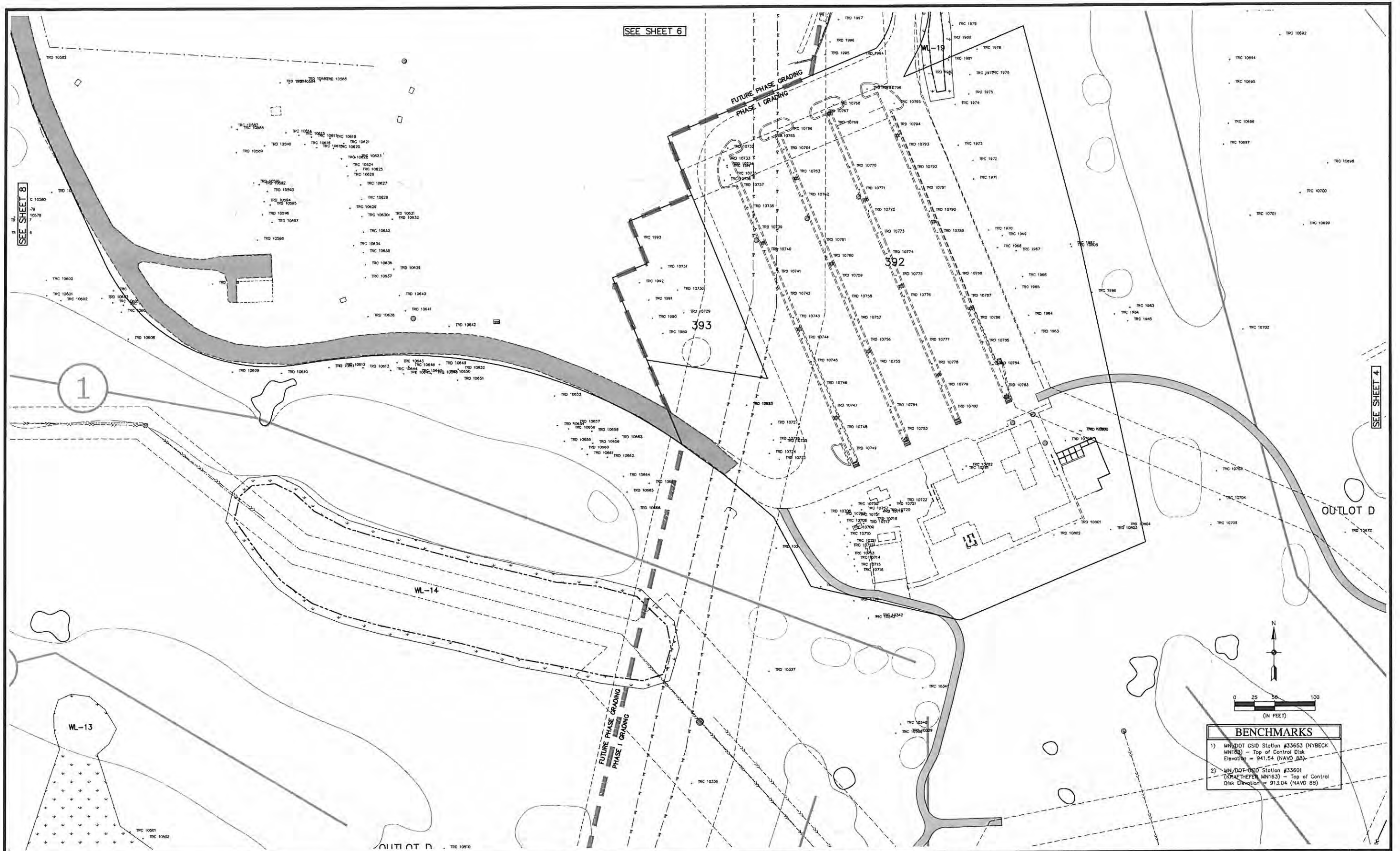
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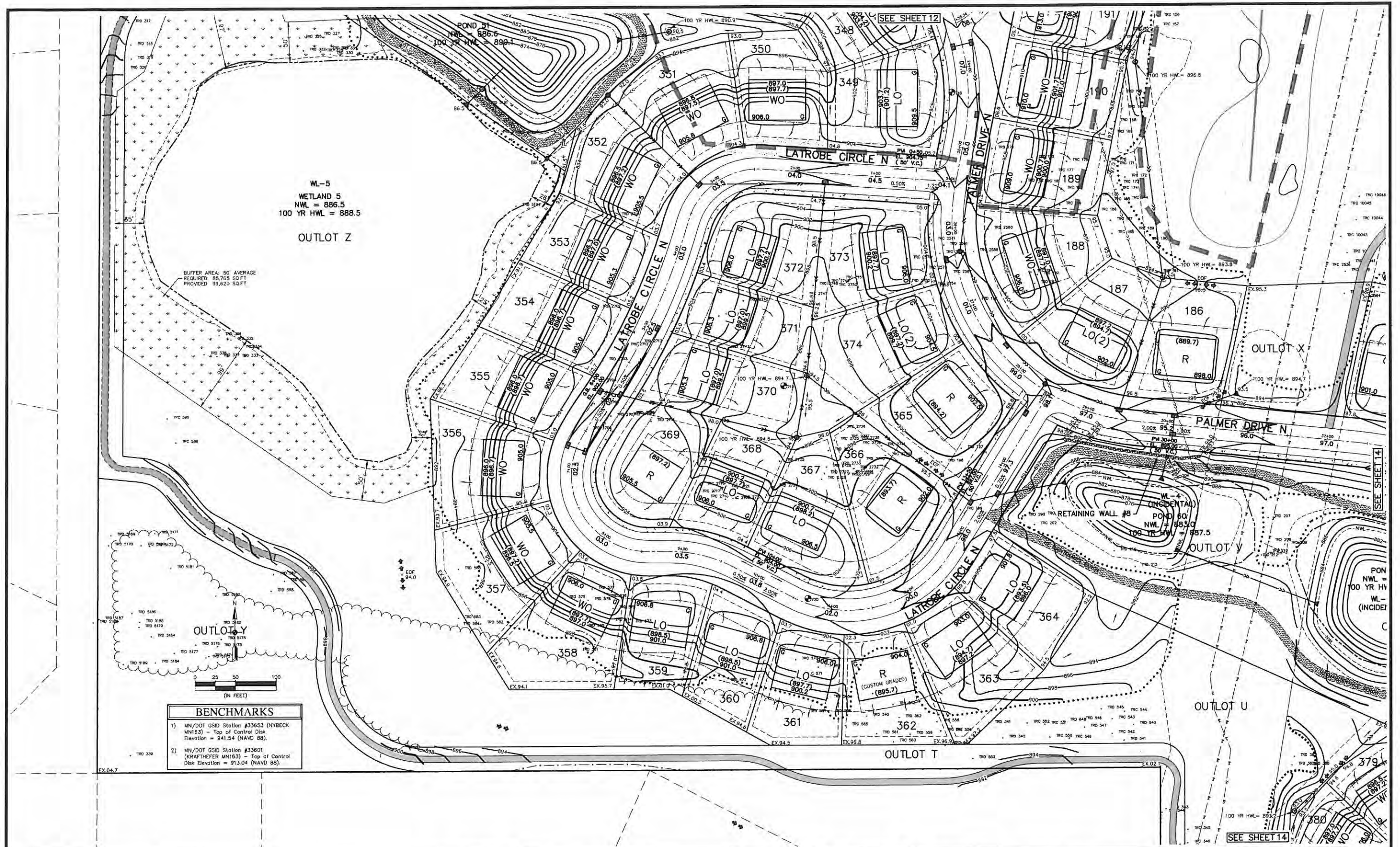
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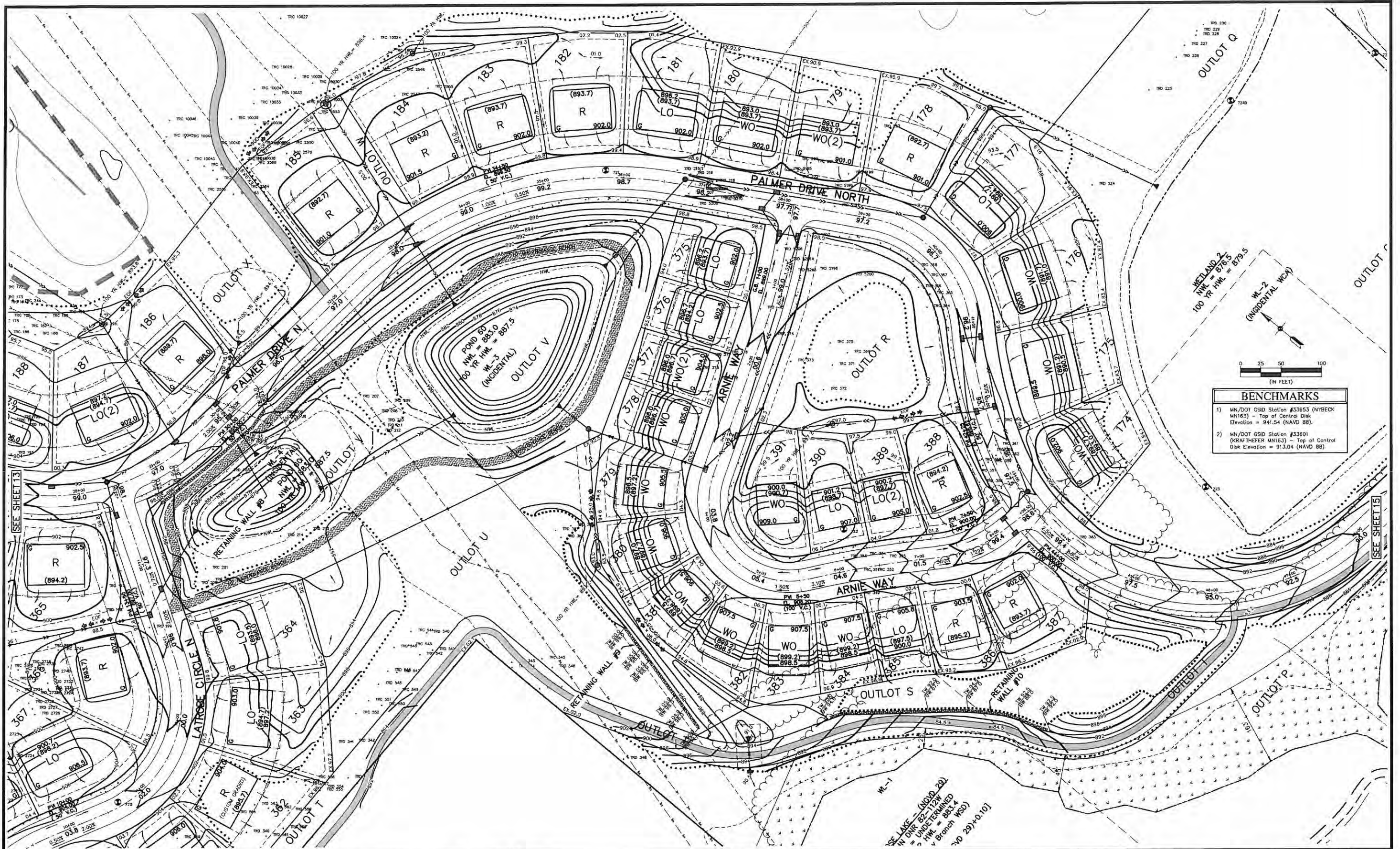
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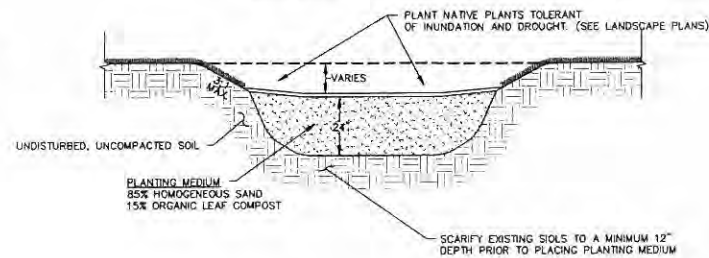




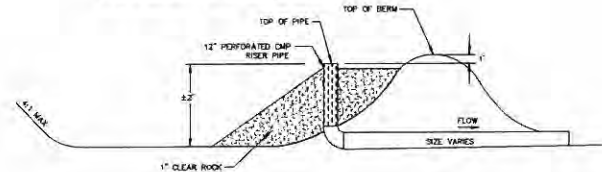


LEGEND	
EXISTING	PROPOSED
PROPERTY LINE	
EASEMENT LINE	
CURB LINE	
BITUMINOUS	
CONCRETE	
SANITARY SEWER	
STORM SEWER	
WATER MAIN	
OVERHEAD UTILITY	
STORM CATCH BASIN	
STORM MANHOLE	
OUTLET CONTROL STRUCTURE	
MANHOLE	
HYDRANT	
GATE VALVE	
TELEPHONE BOX	
UTILITY POLE	
RETAINING WALL	
FENCE	
10' CONTOUR	
2' CONTOUR	
FEMA FLOOD PLAIN	
WETLAND LINE	
SPOT ELEVATION	
EMERGENCY OVERFLOW	
SILT FENCE	
TREE FENCE	
TREELINE	
SOIL BORING	
GRADING LIMITS	
STORM CATCH BASIN	
WETLAND BUFFER SIGN	

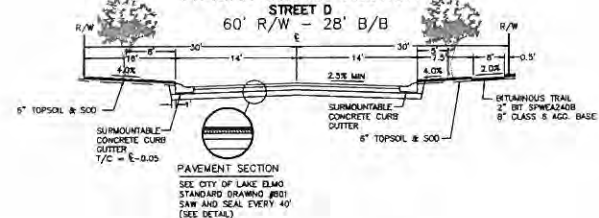
## INFILTRATION BASINS



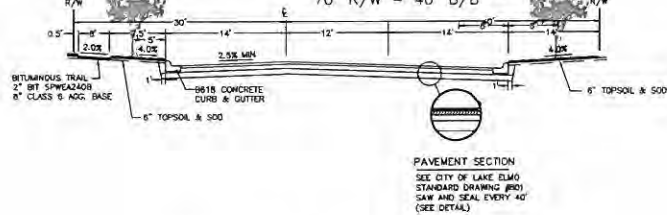
## TEMPORARY SEDIMENT BASIN W/PERFORATED RISER PIPE



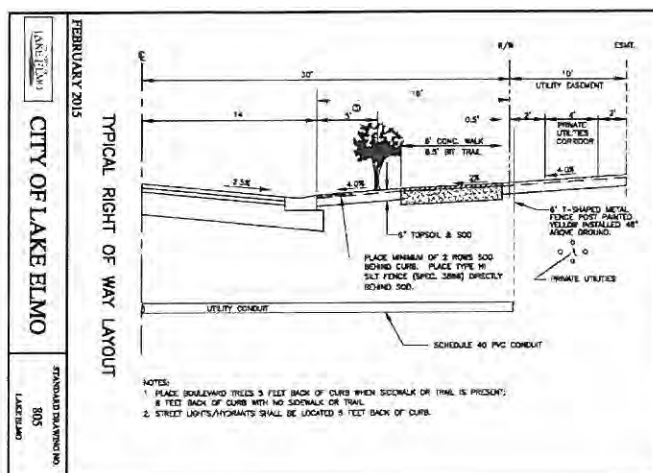
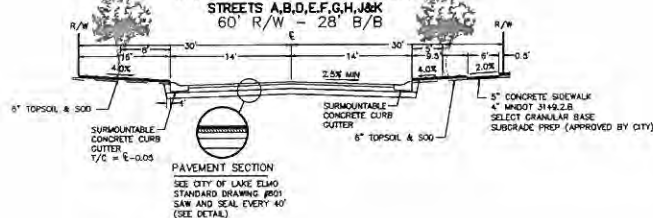
## TYPICAL STREET SECTION



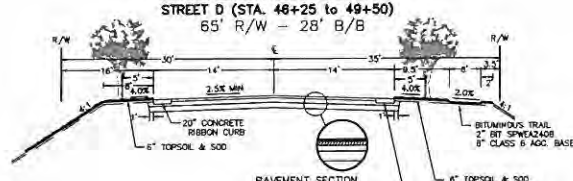
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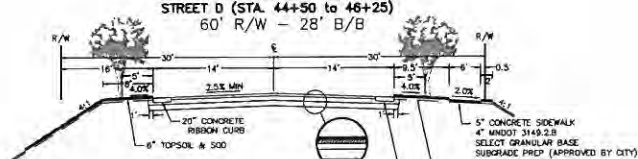
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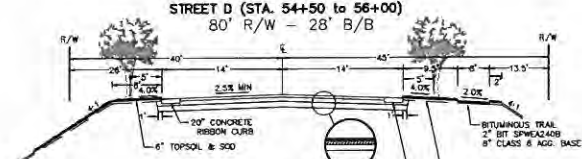
## TYPICAL STREET SECTION



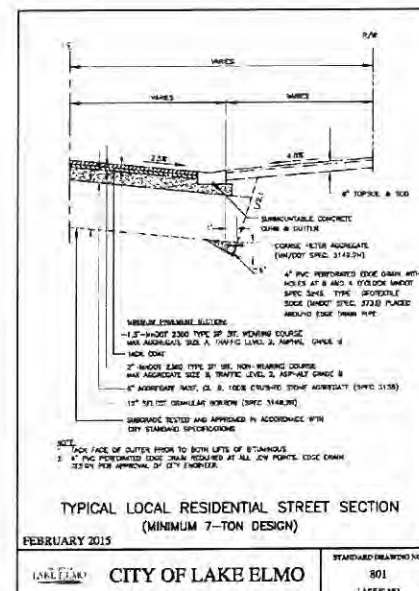
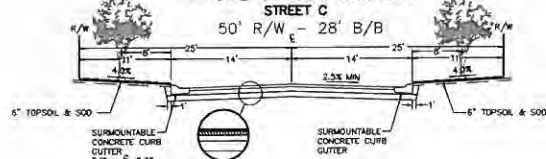
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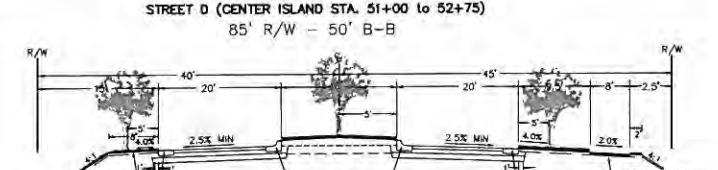
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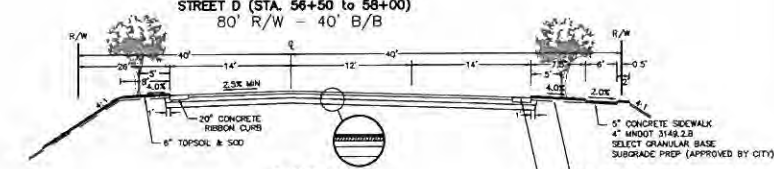
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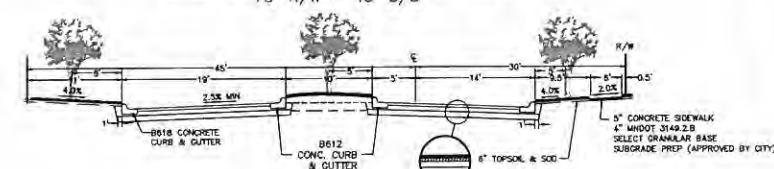
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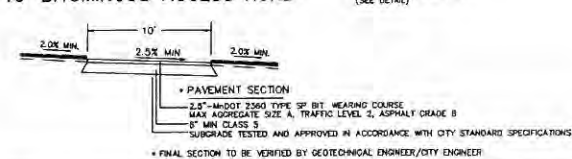
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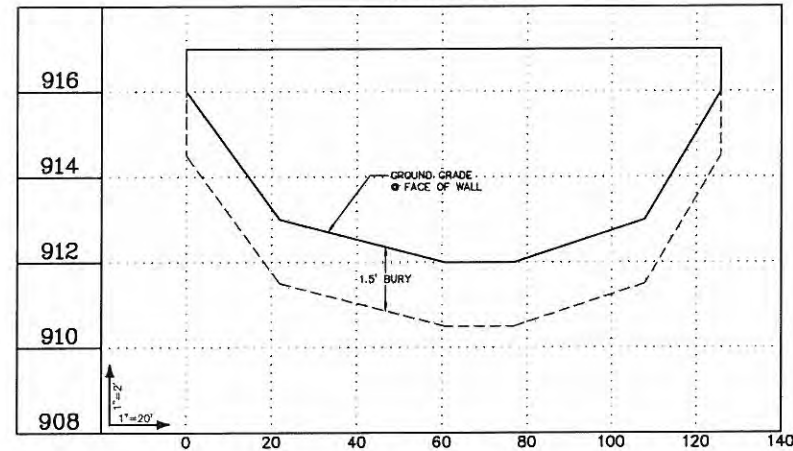
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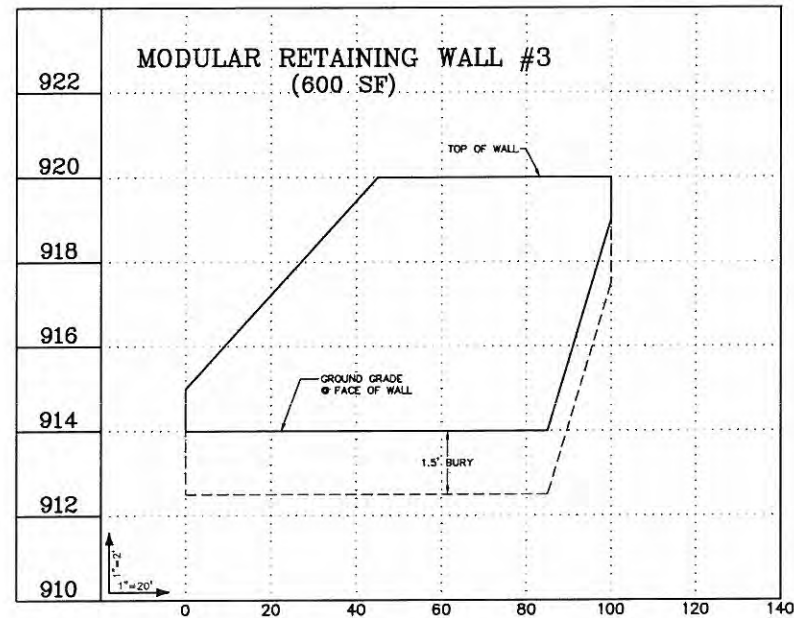
## 10' BITUMINOUS ACCESS ROAD



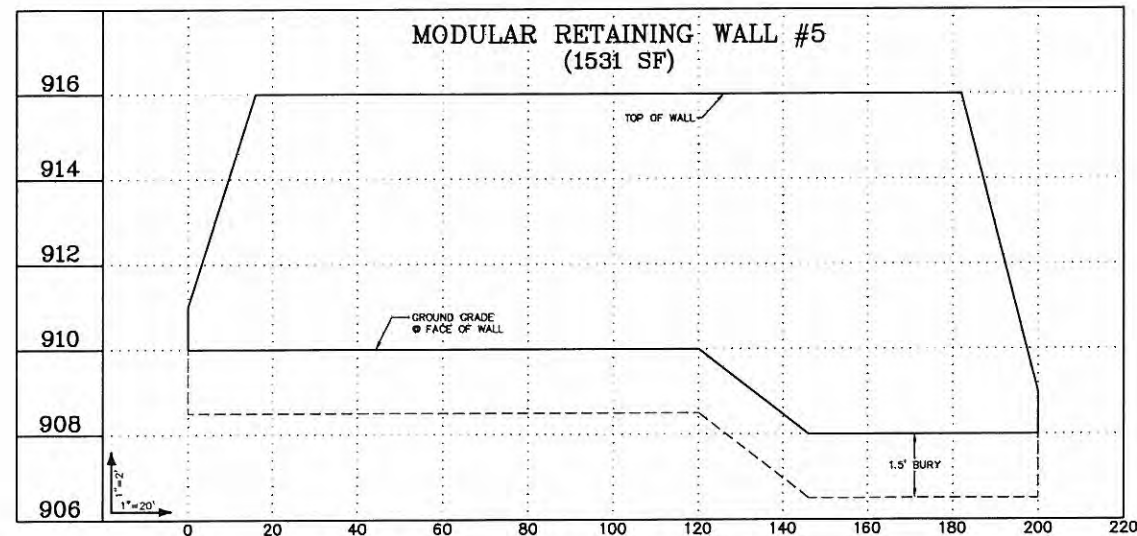
MODULAR RETAINING WALL #1  
(690 SF)



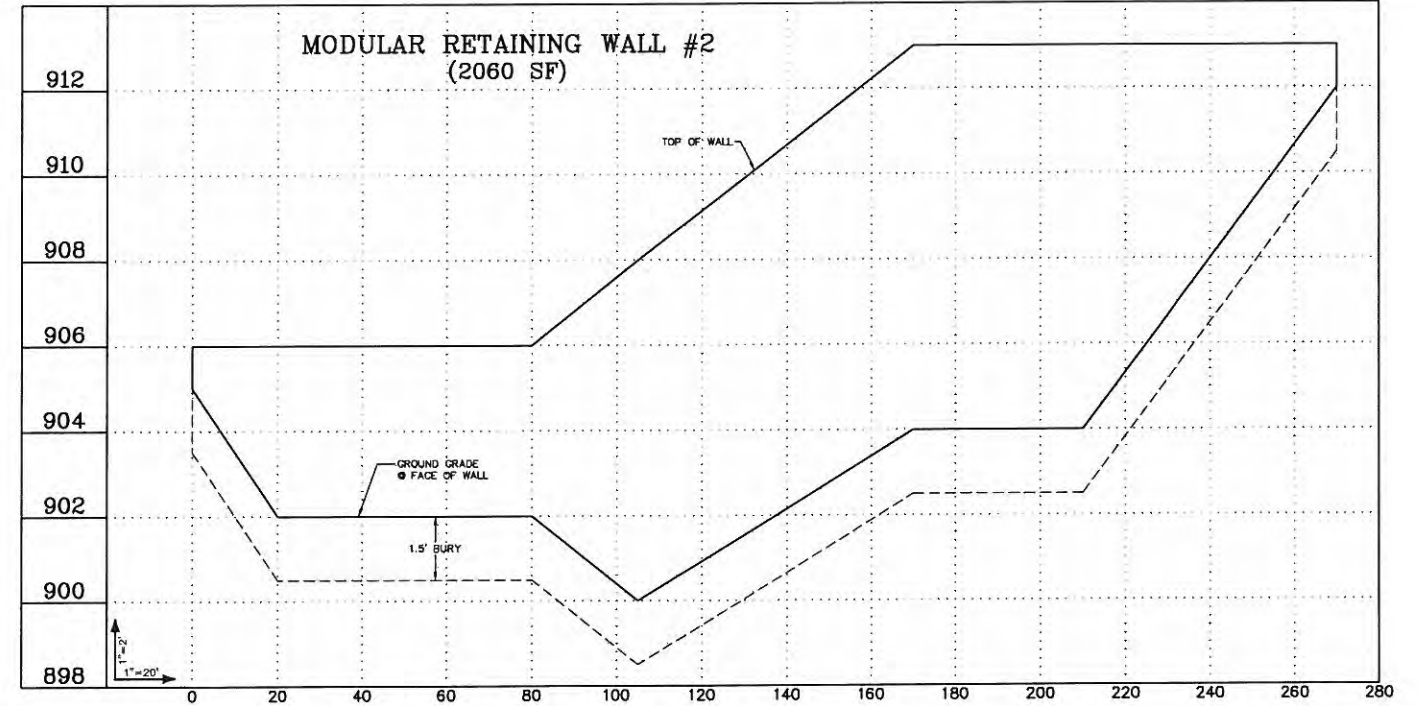
MODULAR RETAINING WALL #3  
(600 SF)



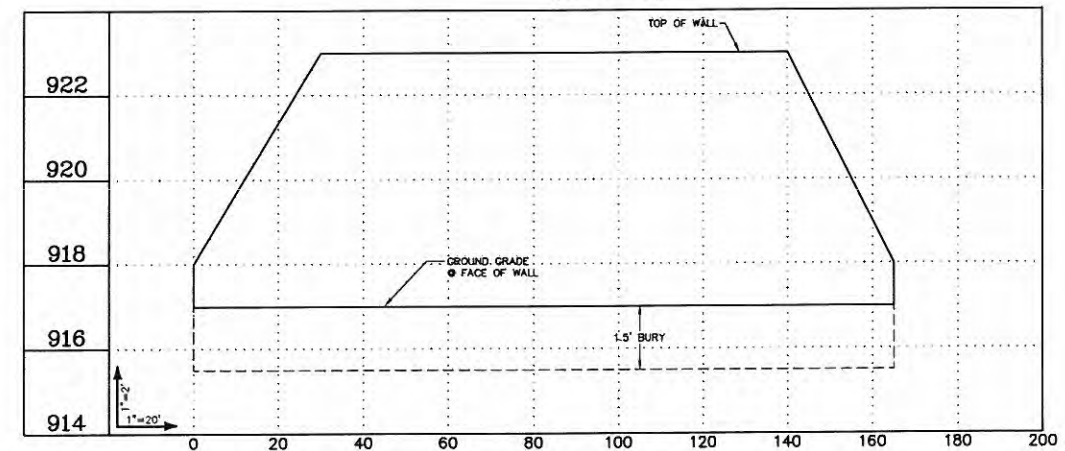
MODULAR RETAINING WALL #5  
(1531 SF)



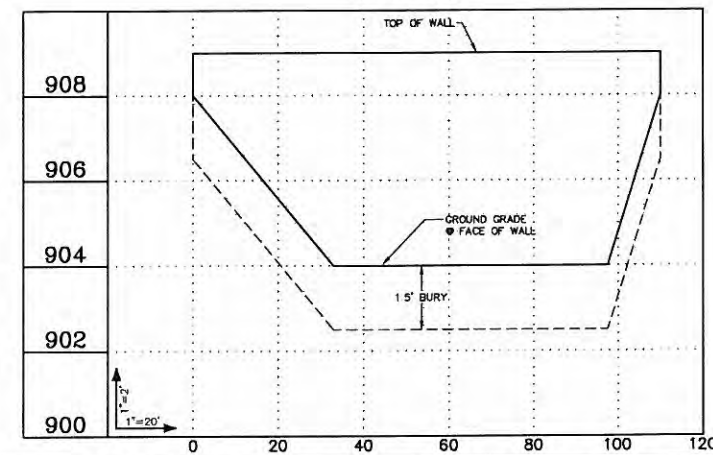
MODULAR RETAINING WALL #2  
(2060 SF)



MODULAR RETAINING WALL #4  
(1100 SF)

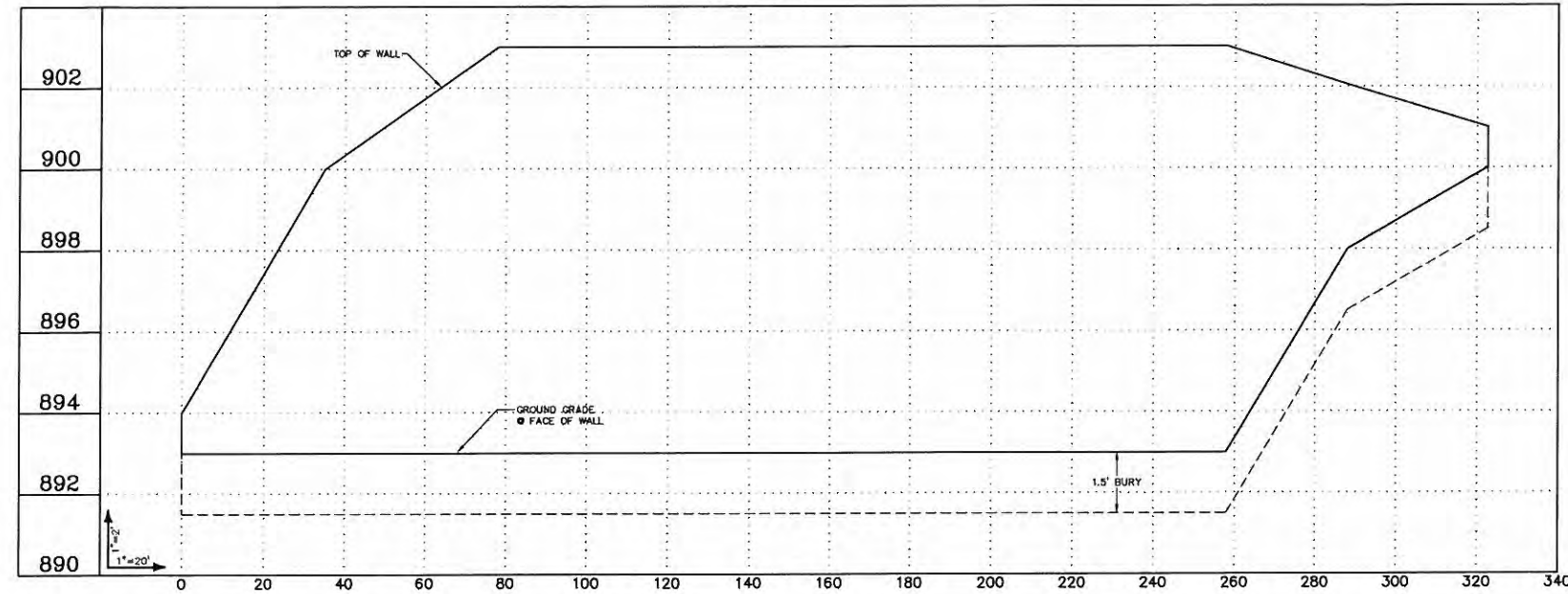


MODULAR RETAINING WALL #6  
(625 SF)

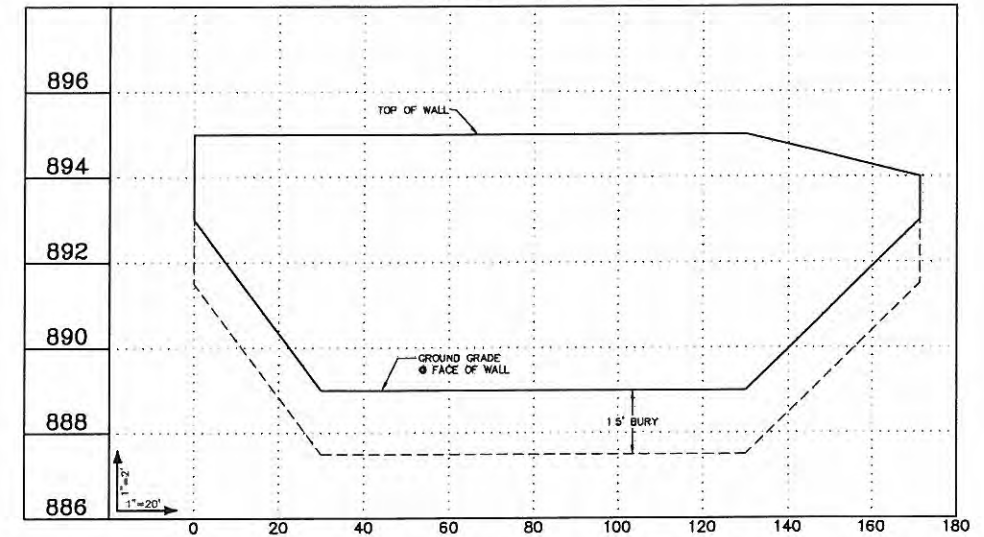




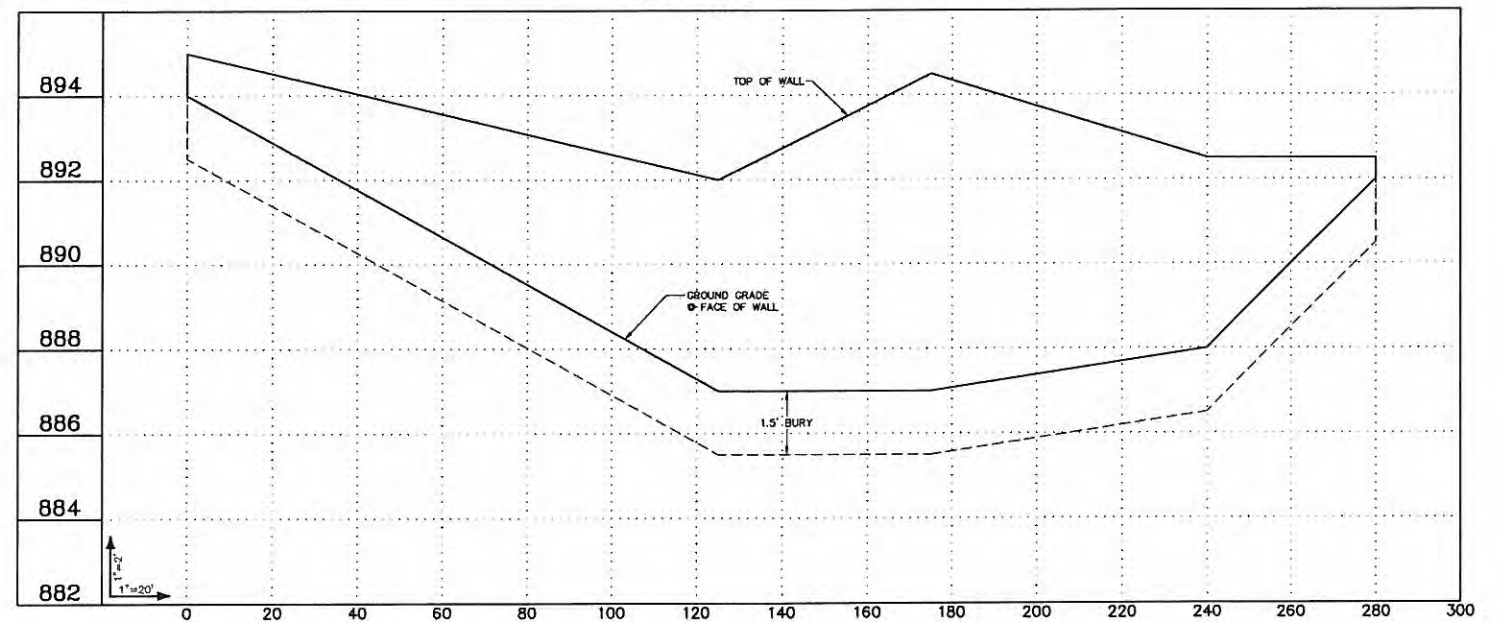
MODULAR RETAINING WALL #7  
(3100 SF)



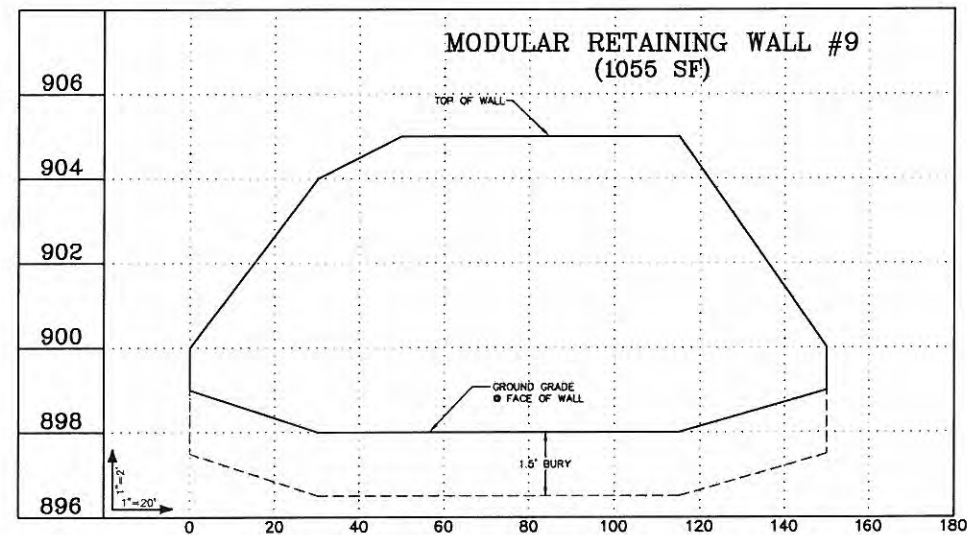
MODULAR RETAINING WALL #8  
(1125 SF)



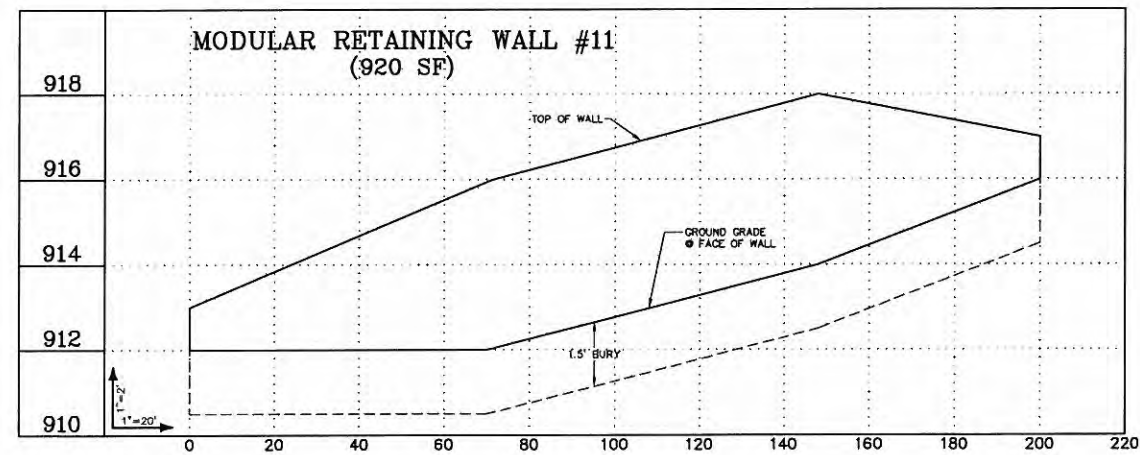
MODULAR RETAINING WALL #10  
(1598 SF)



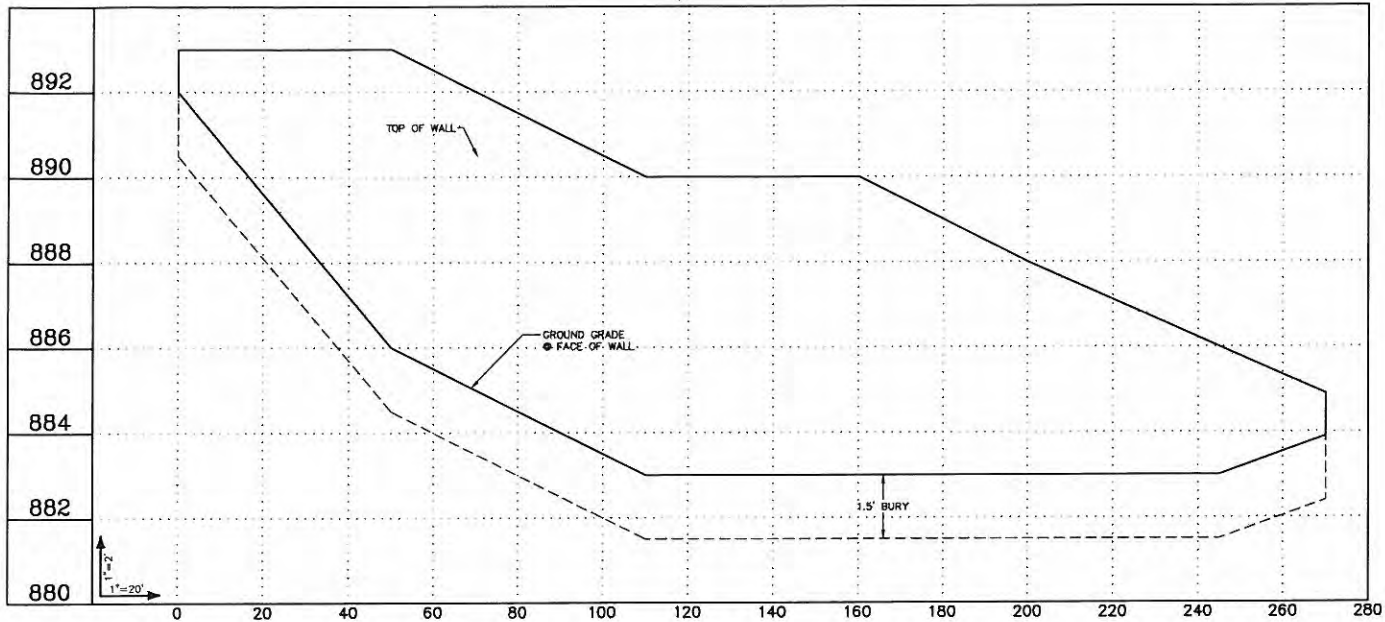
MODULAR RETAINING WALL #9  
(1055 SF)



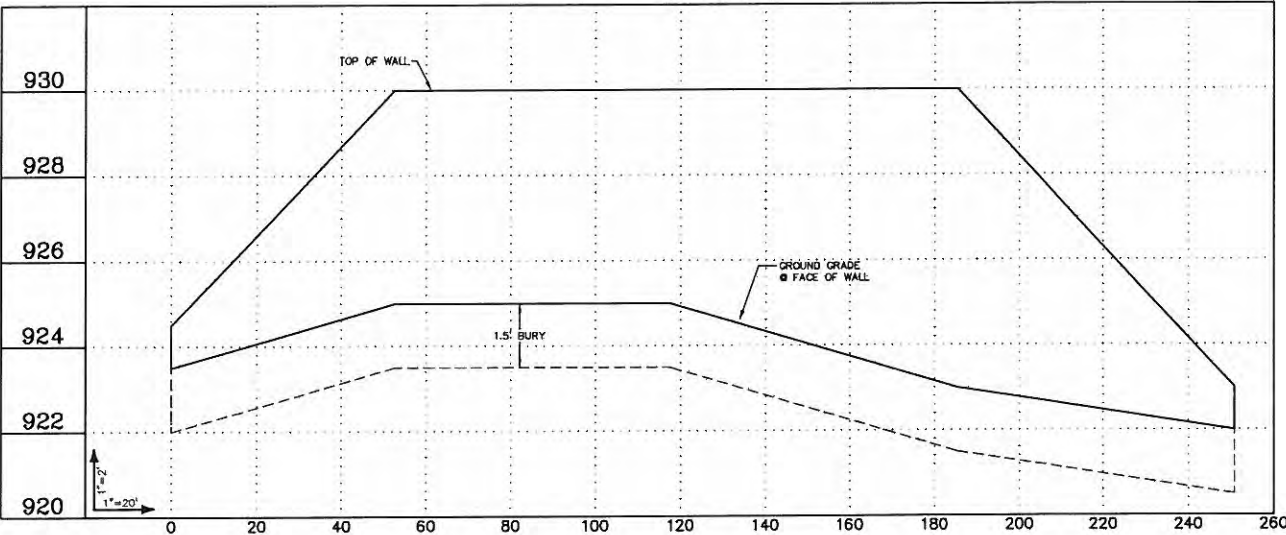
MODULAR RETAINING WALL #11  
(920 SF)



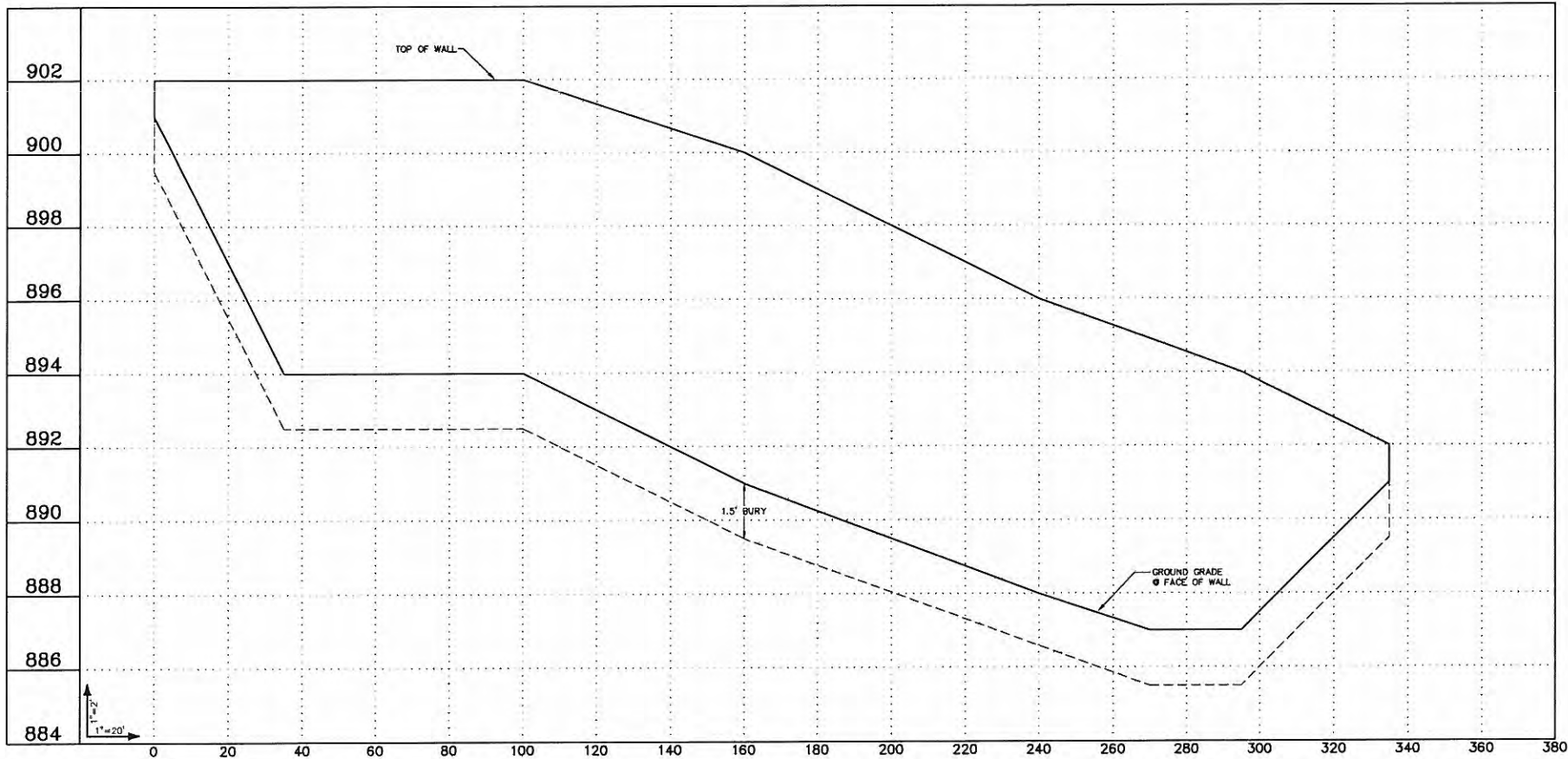
MODULAR RETAINING WALL #12  
(1850 SF)



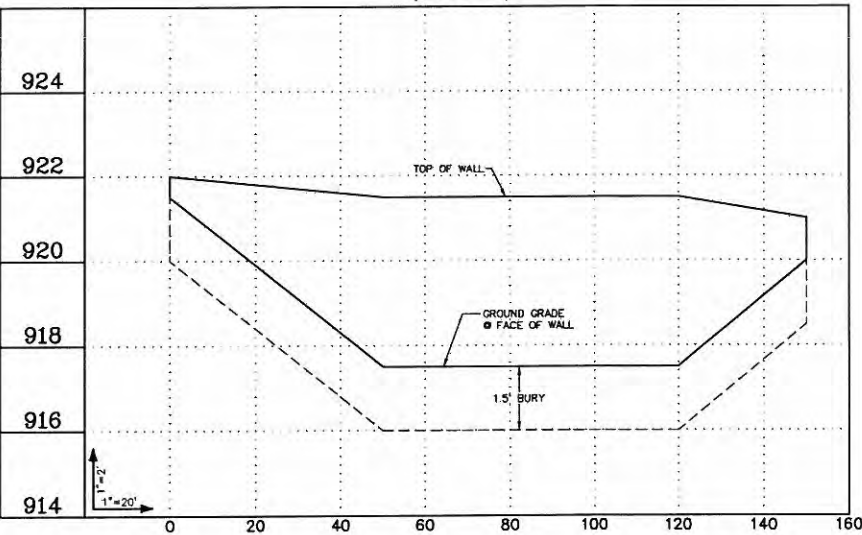
MODULAR RETAINING WALL #14  
(1530 SF)



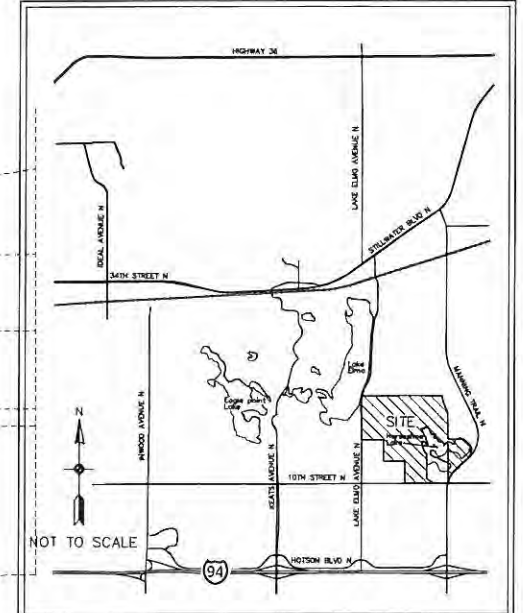
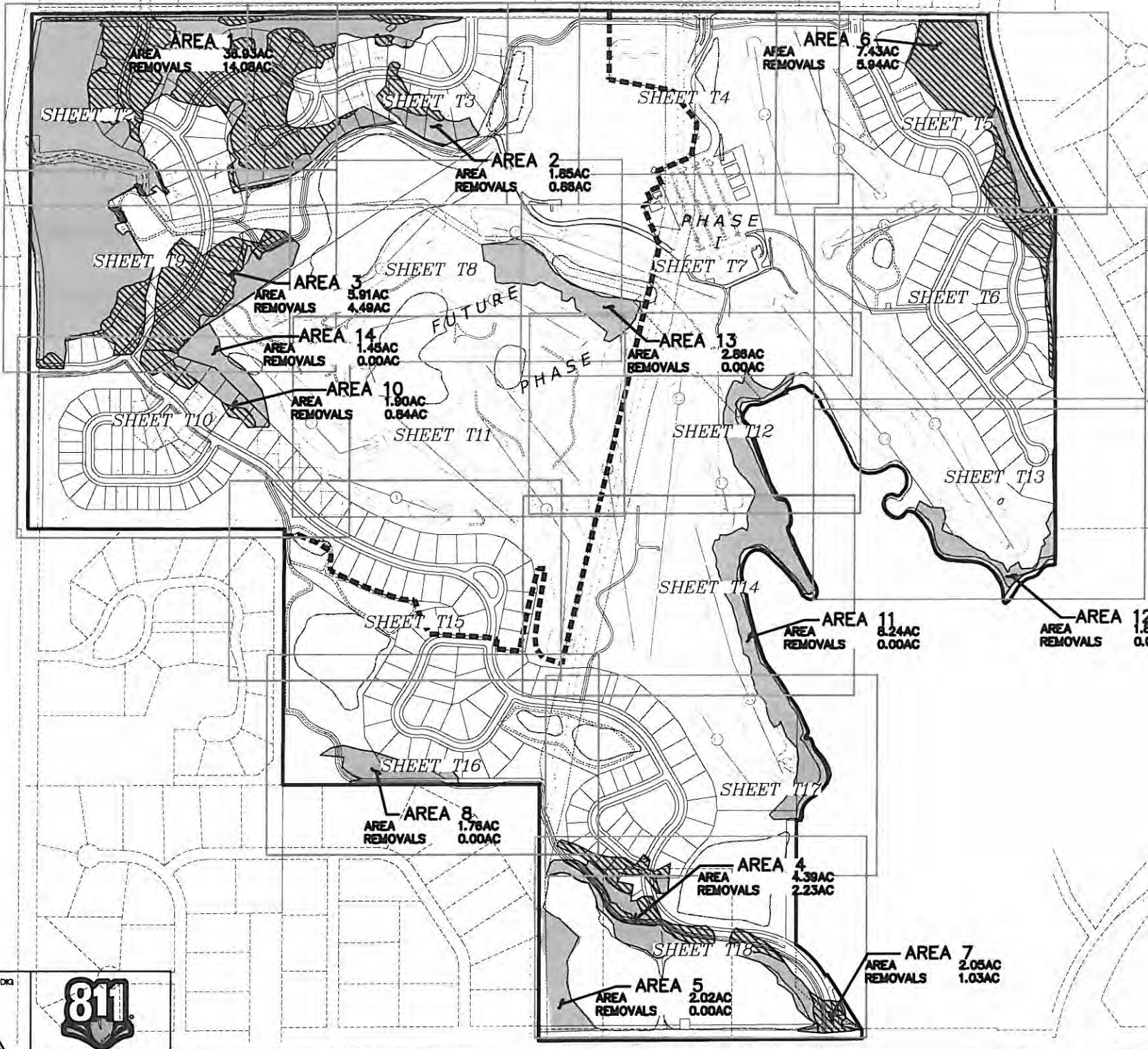
MODULAR RETAINING WALL #13  
(2950 SF)



MODULAR RETAINING WALL #15  
(693 SF)







VICINITY MAP

KEY

- DENOTES AREA OF TREE PLOT ASSESSMENT
- ▨ DENOTES REMOVAL AREA OF TREE PLOT ASSESSMENT
- 1507 DENOTES TREE TO BE SAVED
- ✕ 1500 DENOTES TREE TO BE REMOVED

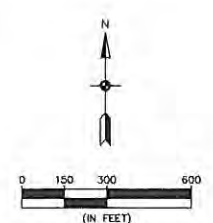
**NOTE:**  
REFER TO TREE INVENTORY REPORT FOR TREE IDENTIFICATION AND REMOVAL/REPLACEMENT INFORMATION.

TABLE OF CONTENTS

- T1. INDEX
- T2-T16. TREE PRESERVATION PLAN
- T18-T25. TREE TABLES

TOTAL TREE PLOT ASSESMENT AREAS

AREA	TOTAL	REMOVAL
4	4.39	2.23
5	2.02	0.00
6	7.43	5.94
7	2.05	1.03
8	1.76	0.00
11	8.24	0.00
12	1.84	0.04
TOTALS	27.73	9.24
PHASE 1		
1	36.93	14.08
2	1.85	0.86
3	5.91	4.49
10	1.90	0.84
13	2.88	0.00
14	1.45	0.00
TOTALS	50.90	20.27



BENCHMARKS

- 1) MN/DOT GSD Station #33653 (HYBECK MN163) - Top of Control Disk Elevation = 941.54 (NAVD 88).
- 2) MN/DOT GSD Station #33601 (KRAFTHEFER MN163) - Top of Control Disk Elevation = 913.04 (NAVD 88).

**NOTE:**  
TREE IDENTIFICATION AND TREE AREA CALCULATIONS WERE PROVIDED BY KJOLHAUG ENVIRONMENTAL SERVICES.

CALL BEFORE YOU DIG

Know what's below.  
Call before you dig.

The subsurface utility information shown on this plan is utility Quality Level D. This quality level was determined according to the guidelines of C/AACE 38-02, entitled "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data."



3890 Pheasant Ridge Drive NE, Suite 100  
Blaine, MN 55014  
Phone: (763) 489-7900  
Fax: (763) 489-7959  
www.carlsonmccain.com

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

Print Name: Brian J. Krystofak, P.E.  
Signature: *Brian J. Krystofak*  
Date: 9/21/16 License #: 25063

Drawn: JJO  
Designed: BJK  
Date: 9/21/16

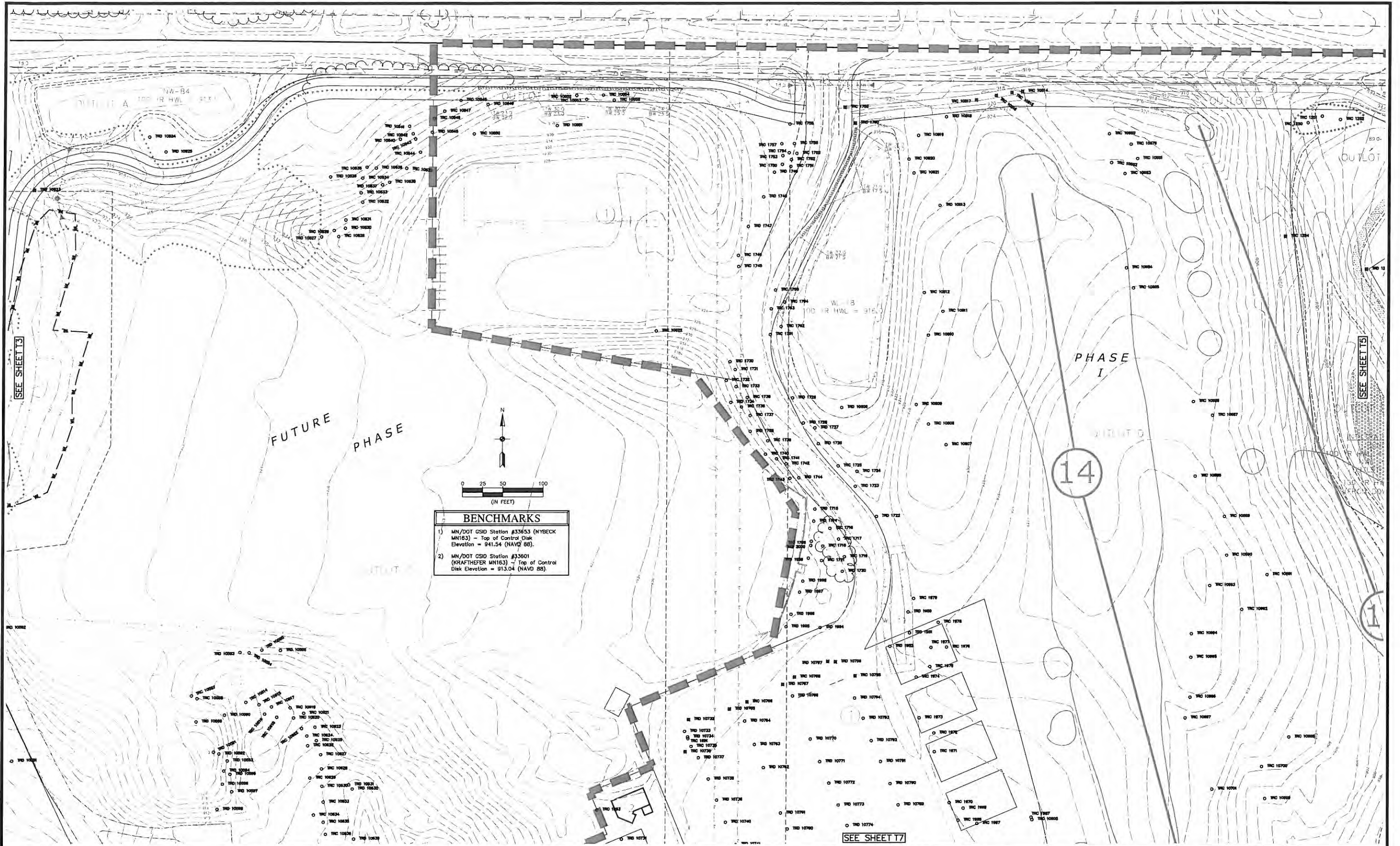
Revisions:  
1. 02/10/17 Revise Layout per Owner  
2. 04/07/17 Per City and Watershed Comments

**H.C. Golf Course Development, LLC**  
11074 Radisson Rd NE  
Blaine, MN 55449

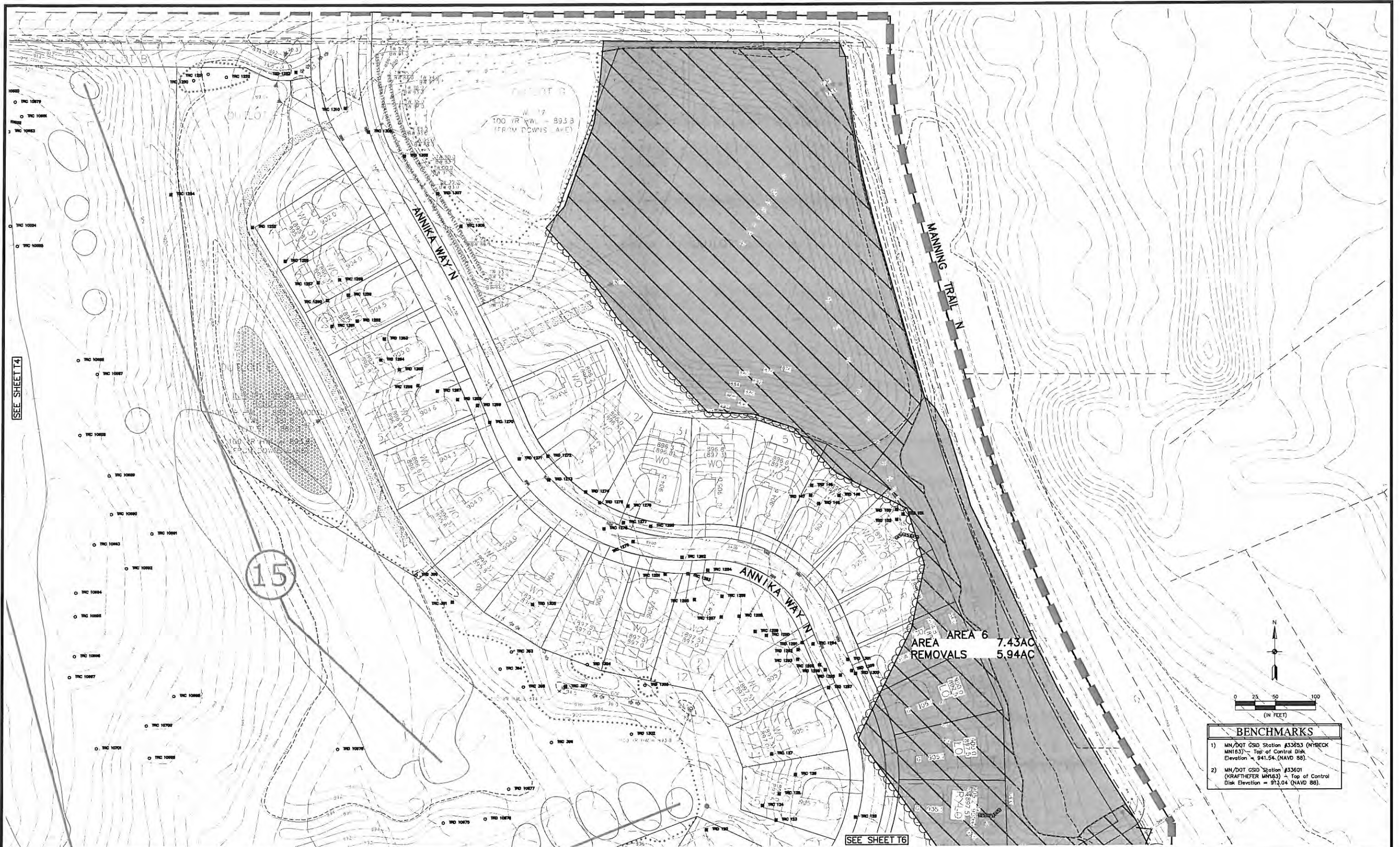
**THE ROYAL GOLF CLUB AT LAKE ELMO**  
Lake Elmo, Minnesota

TREE PRESERVATION PLAN

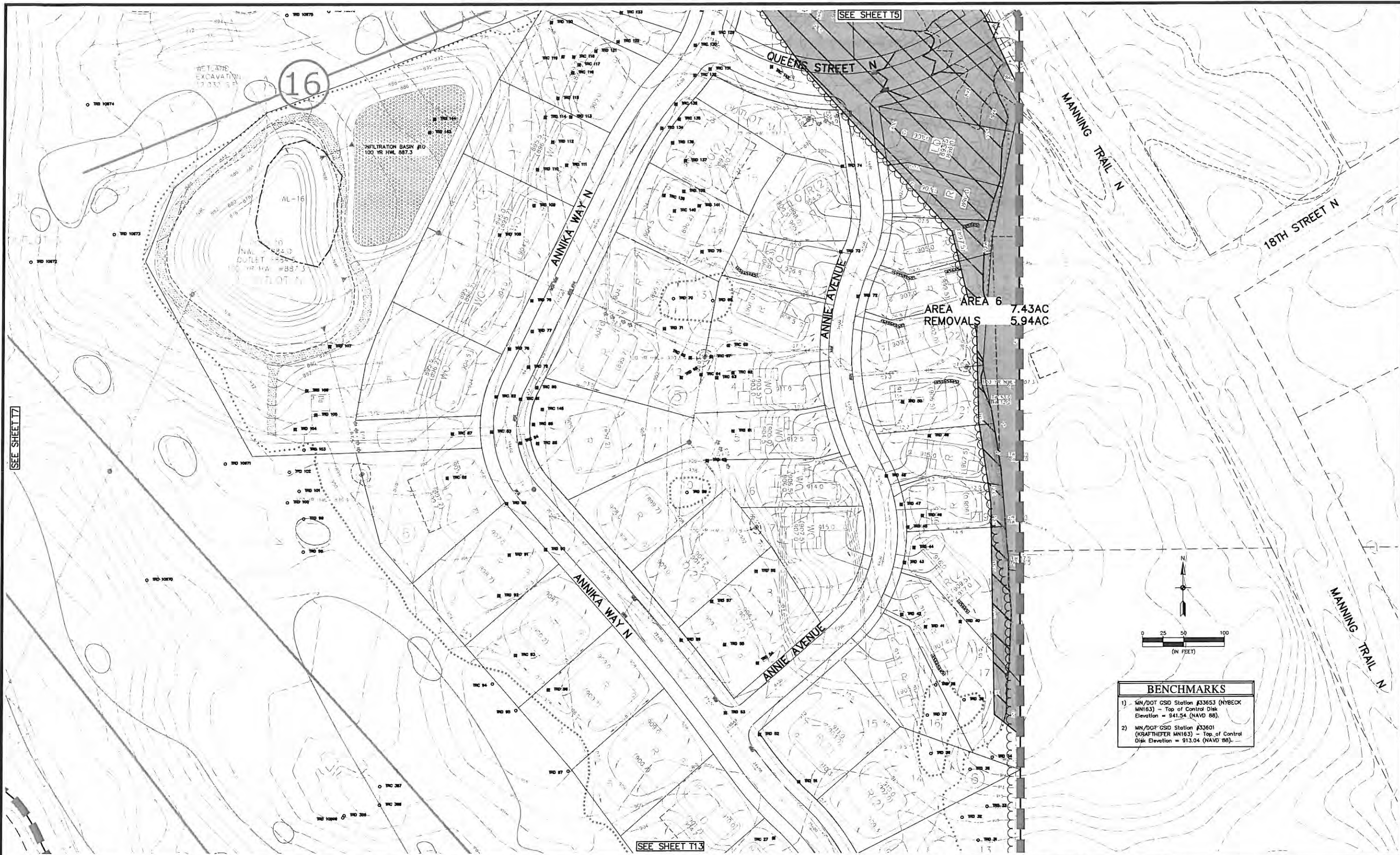




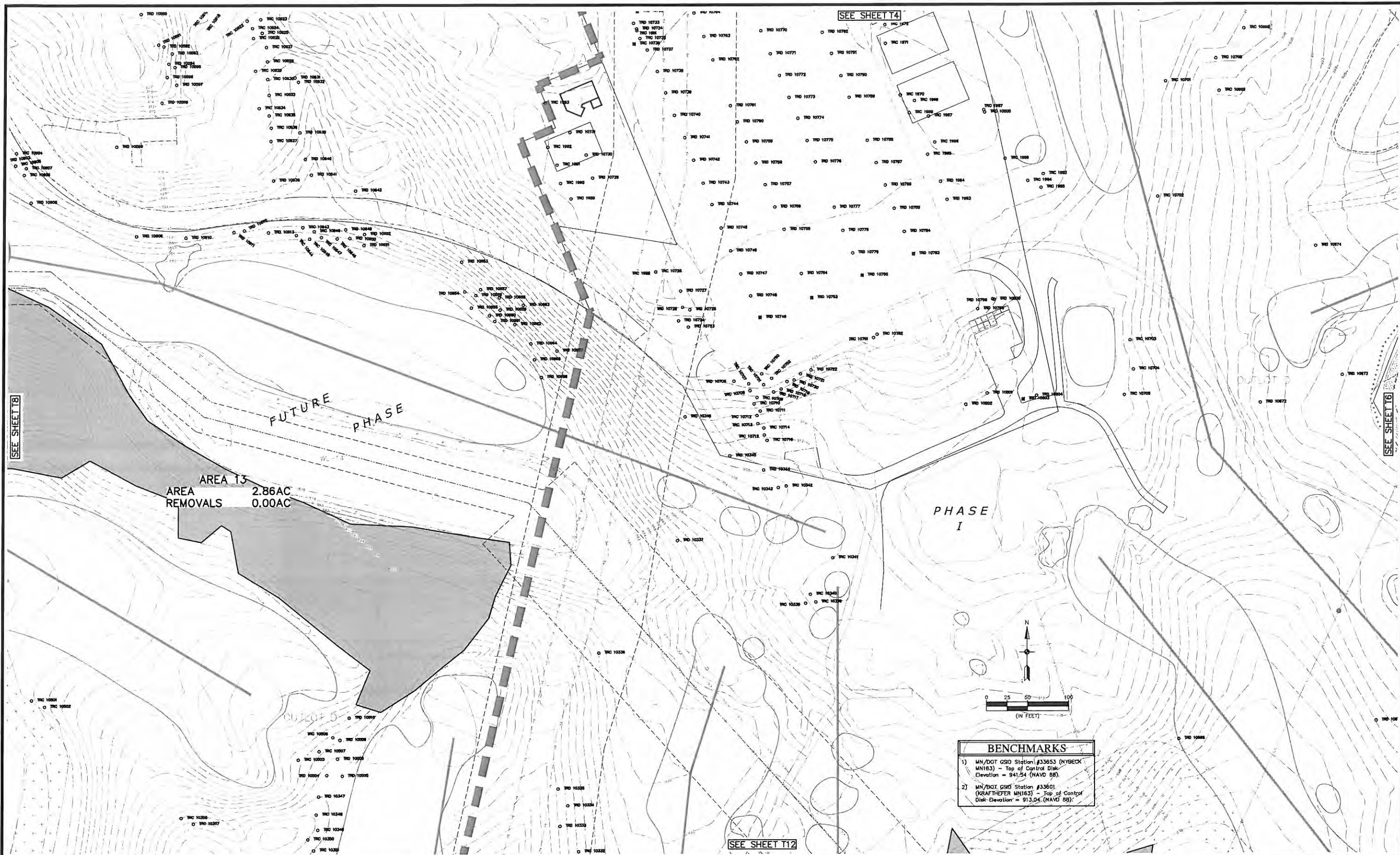






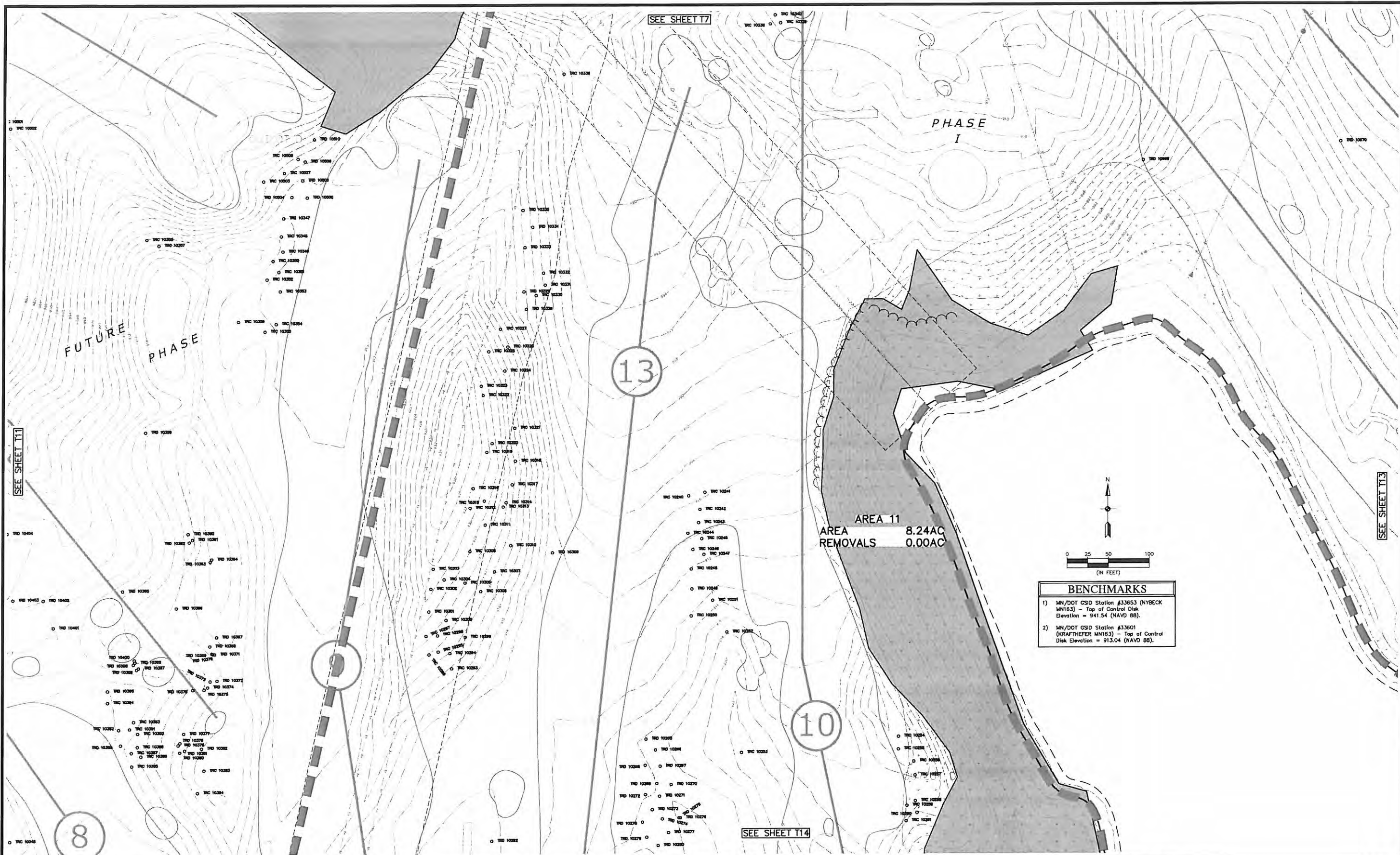






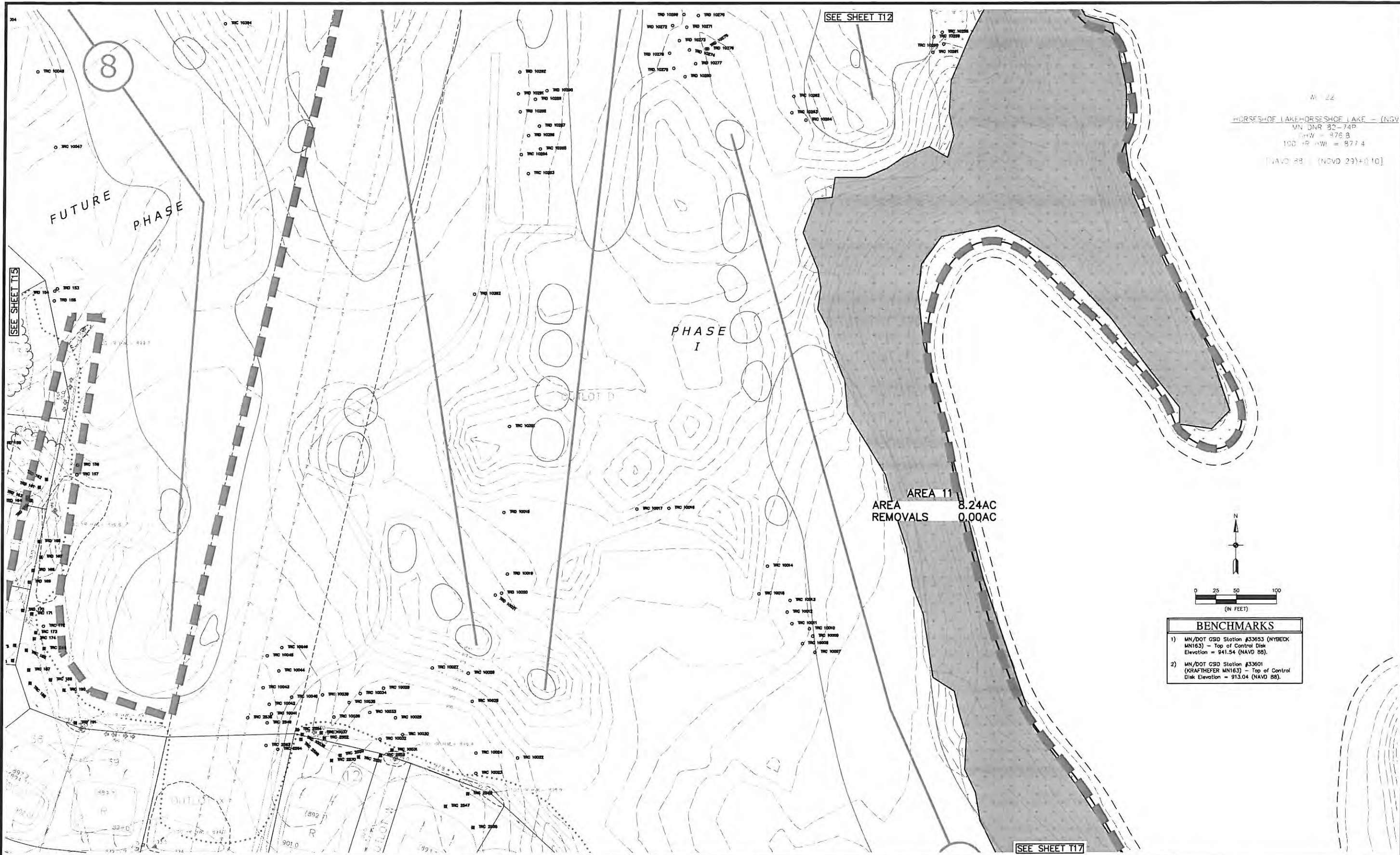
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W 22  
HORSESHOE LAKE HORSESHOE LAKE - (NGV)  
MN DNR 82-74P  
ChW = 976.8  
100 + R + W = 877.4  
[NAVD 88] [NOVD 23] + 0.10]

N

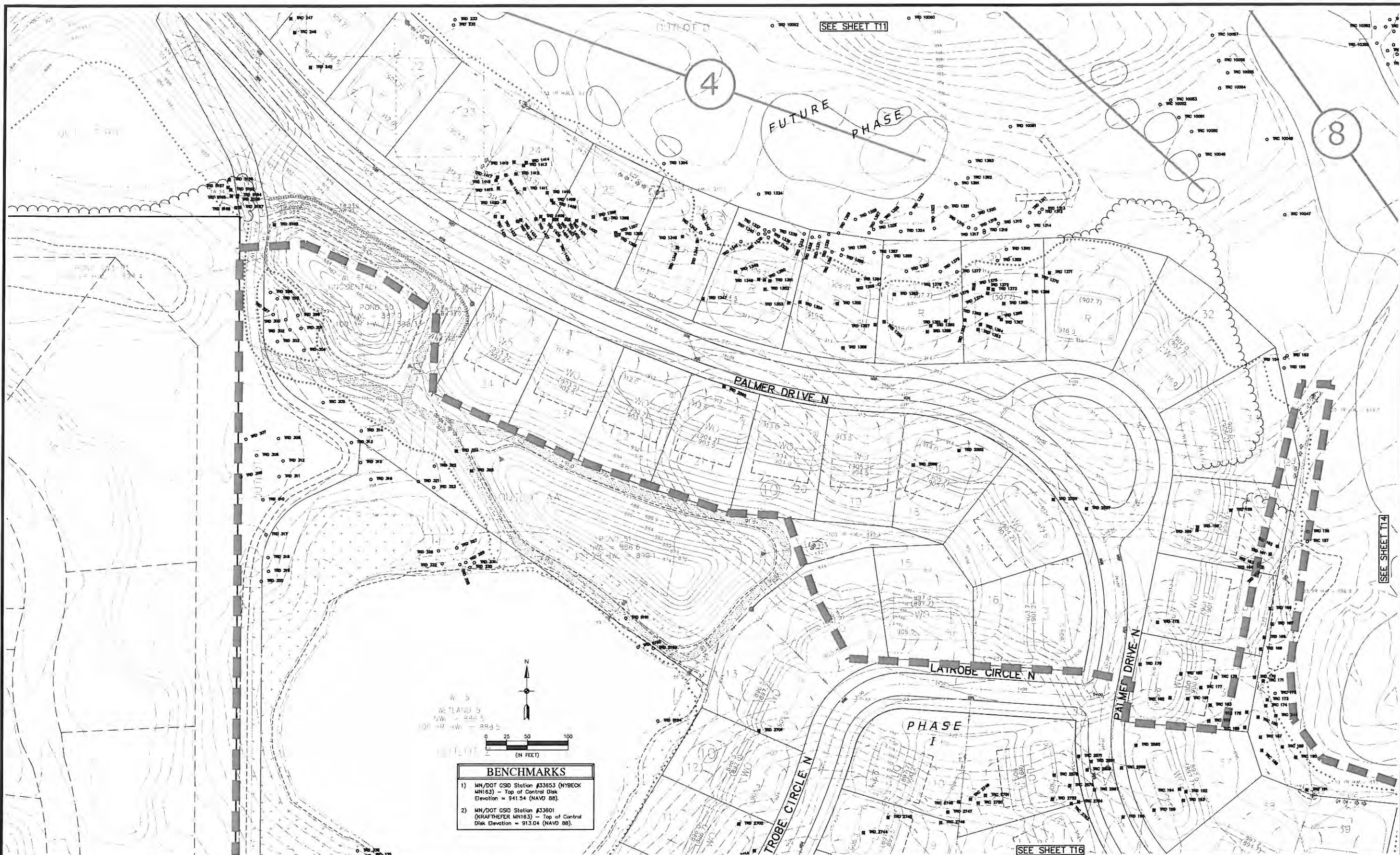
0 25 50 100  
(IN FEET)

**BENCHMARKS**

1) MN/DOT GSD Station #33653 (HYBECK  
MN163) - Top of Control Disk  
Elevation = 941.54 (NAVD 88).

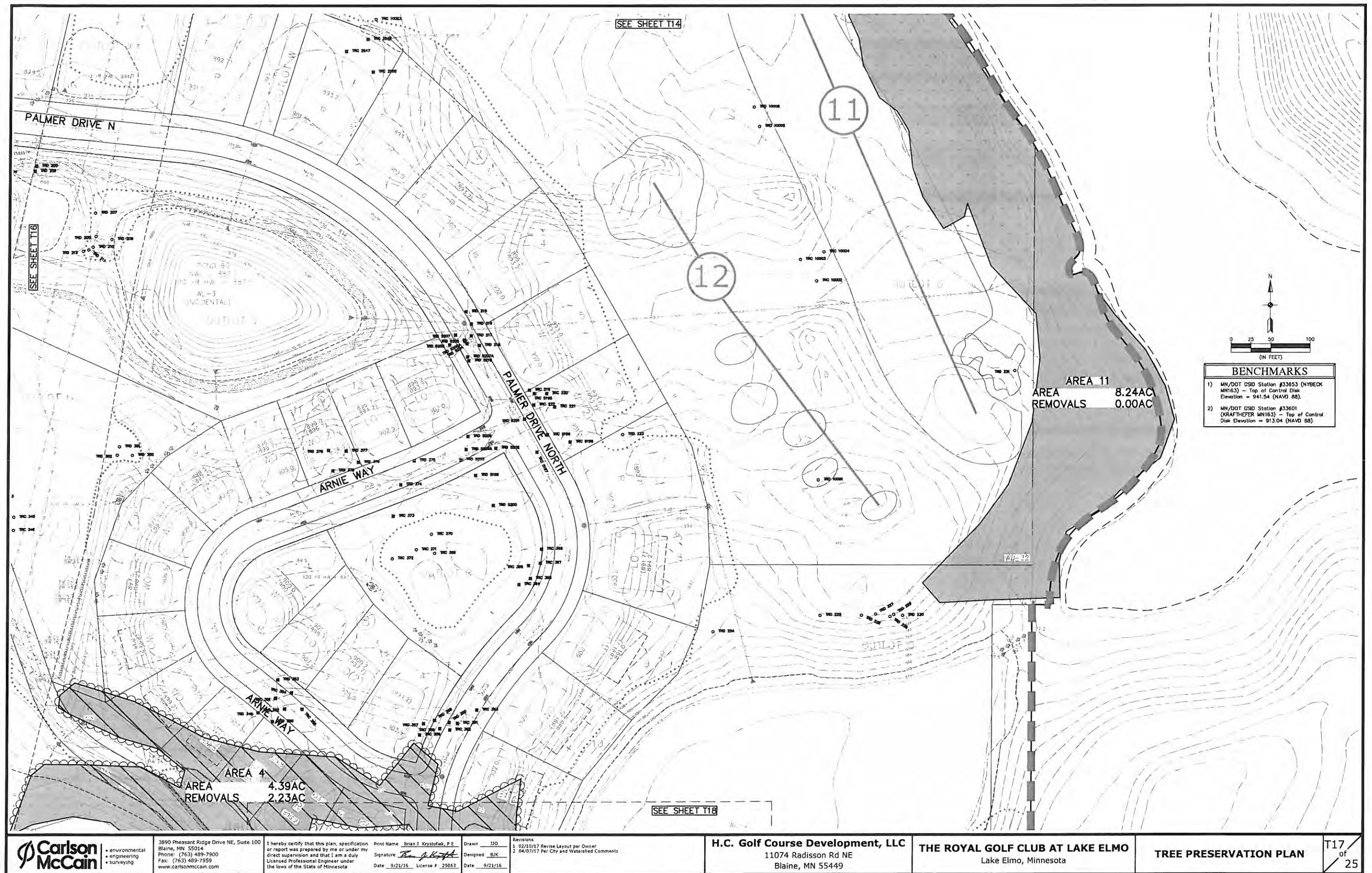
2) MN/DOT GSD Station #33601  
(KRAFTHEFER MN163) - Top of Control  
Disk Elevation = 913.04 (NAVD 88).



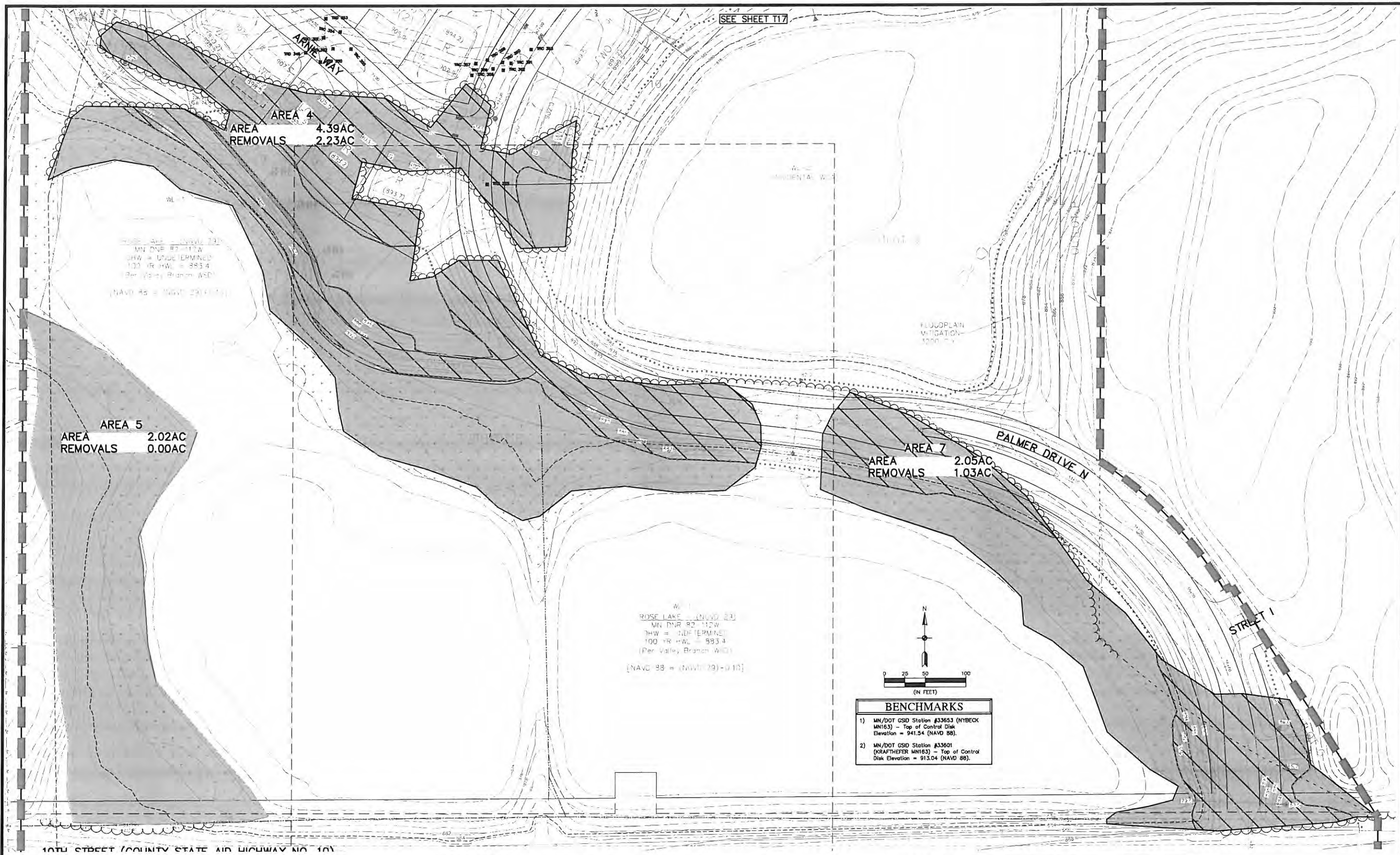


BENCHMARKS	
1)	MN/DOT CSD Station #33653 (NYBECK MNI63) - Top of Control Disk Elevation = 941.54 (NAVD 88).
2)	MN/DOT CSD Station #33601 (KRAFTHEIMER MNI63) - Top of Control Disk Elevation = 913.04 (NAVD 88).











# PHASE I INDIVIDUAL SHOTS

Tree No.	Tree Species	DBH (in.)	Quality	Stems	City Classification	Significant	Saved	Removed
1	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
2	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
3	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
4	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
5	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
6	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
7	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
8	Basswood	28	3	1	Exempt	-	X	-
9	Ash, Green	8	2	1	Common Tree	No	Not Significant	-
10	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
11	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
12	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
13	Spruce, White	20	3	1	Coniferous	Yes	-	-
14	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
15	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
16	Ash, Green	27.5	3	1	Common Tree	Yes	X	-
17	Kentucky Coffee Tree	18	4	1	Common Tree	Yes	X	-
18	Maple, Silver	38	4	1	Common Tree	Yes	X	-
19	Basswood	22.5	3	1	Common Tree	Yes	X	-
20	Basswood	28	2	1	Common Tree	Yes	X	-
21	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
22	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
23	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
24	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
25	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
26	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
27	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
28	Basswood	38	3	1	Common Tree	Yes	X	-
29	Basswood	22	4	1	Common Tree	Yes	-	X
30	Ash, Green	22	4	1	Common Tree	Yes	X	-
31	Ash, Green	17	3	1	Common Tree	Yes	X	-
32	Maple, Silver	20	3	1	Common Tree	Yes	X	-
33	Ash, Green	20	4	1	Common Tree	Yes	X	-
34	Basswood	15	3	1	Common Tree	Yes	X	-
35	Ash, Green	11.5	2	1	Common Tree	No	Not Significant	-
36	Basswood	15	2	1	Common Tree	Yes	X	-
37	Basswood	27	3	1	Common Tree	Yes	X	-
38	Ash, Green	21	2	1	Common Tree	Yes	X	-
39	Ash, Green	19	2	1	Common Tree	Yes	X	-
40	Ash, Green	18	2	1	Common Tree	Yes	-	X
41	Basswood	23	3	1	Common Tree	Yes	-	X
42	Maple, Silver	13	2	1	Common Tree	Yes	-	X
43	Maple, Silver	13.5	2	1	Common Tree	Yes	-	X
44	Maple, Silver	16	2	1	Common Tree	Yes	-	X
45	Maple, Silver	24	3	1	Common Tree	Yes	-	X
46	Cottonwood	23	3	1	Common Tree	Yes	-	X
47	Maple, Silver	14	2	1	Common Tree	Yes	-	X
48	Maple, Silver	40	3	1	Common Tree	Yes	-	X
49	Basswood	12	2	1	Common Tree	Yes	-	X
50	Basswood	20	2	1	Common Tree	Yes	-	X
51	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
52	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
53	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
54	Maple, Silver	13	3	1	Common Tree	Yes	-	X
55	Boxelder	24	2	1	Common Tree	Yes	-	X
56	Ash, Green	30	2	1	Common Tree	Yes	-	X
57	Maple, Silver	18	3	1	Common Tree	Yes	-	X
58	Ash, Green	19	3	1	Common Tree	Yes	-	X
59	Maple, Silver	34	4	1	Common Tree	Yes	X	-
60	Maple, Sugar	18	3	1	Deciduous Hardwood	Yes	-	X
61	Maple, Silver	11	3	1	Common Tree	No	Not Significant	-
62	Pine, Red	12.5	4	1	Coniferous	Yes	-	X
63	Pine, Red	14	3	1	Coniferous	Yes	-	X
64	Pine, Red	13	3	1	Coniferous	Yes	-	X
65	Pine, Red	14	3	1	Coniferous	Yes	-	X
66	Pine, Red	16	2	1	Coniferous	Yes	-	X
67	Pine, Red	15	2	1	Coniferous	Yes	-	X
68	Pine, Red	15	3	1	Coniferous	Yes	-	X
69	Maple, Silver	64	3	1	Common Tree	Yes	X	-
70	Maple, Silver	52	3	1	Common Tree	Yes	X	-
71	Ash, Green	20	3	1	Common Tree	Yes	-	X
72	Maple, Silver	41	3	1	Common Tree	Yes	-	X
73	Ash, Green	34	2	1	Common Tree	Yes	-	X
74	Kentucky Coffee Tree	13	3	1	Common Tree	Yes	-	X
75	Maple, Silver	15	3	1	Common Tree	Yes	-	X
76	Ash, Green	28	2	1	Common Tree	Yes	-	X
77	Ash, Green	26	3	1	Common Tree	Yes	-	X
78	Maple, Silver	25	2	1	Common Tree	Yes	-	X
79	Pine, Red	17	3	1	Coniferous	Yes	-	X
80	Pine, Red	15	3	1	Coniferous	Yes	-	X
81	Pine, Red	14.5	3	1	Coniferous	Yes	-	X
82	Maple, Silver	36	3	1	Common Tree	Yes	-	X
83	Pine, Red	17.5	2	1	Coniferous	Yes	-	X
84	Pine, Red	15.5	3	1	Coniferous	Yes	-	X
85	Pine, Red	15.5	3	1	Coniferous	Yes	-	X
86	Pine, Red	15	3	1	Coniferous	Yes	-	X
87	Spruce, White	24	4	1	Coniferous	Yes	-	X
88	Spruce, White	32	3	1	Coniferous	Yes	-	X
89	Maple, Silver	28.5	2	1	Common Tree	Yes	-	X
90	Maple, Silver	29	2	1	Common Tree	Yes	-	X
91	Maple, Silver	32	3	1	Common Tree	Yes	-	X
92	Ash, Green	20	2	1	Common Tree	Yes	-	X
93	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
94	Previously Removed	N/A	N/A	N/A	Exempt	-	-	X
95	Maple, Silver	30	2	1	Common Tree	Yes	-	X

Tree No.	Tree Species	DBH (In.)	Quality	Stems	City Classification	Significant	Saved	Removed
96	Maple, Sugar	17	3	1	Deciduous Hardwood	Yes		X
97	Maple, Silver	49	4	1	Common Tree	Yes	X	
98	Maple, Red	10	N/A	0	Deciduous Hardwood	Yes	X	
99	Basswood	10	N/A	0	Common Tree	No		Not Significant
100	Basswood	11	N/A	0	Common Tree	No		Not Significant
101	Basswood	11	N/A	0	Common Tree	No		Not Significant
102	Basswood	14	2	1	Common Tree	Yes	X	
103	Ash, White	10	N/A	0	Common Tree	No		Not Significant
104	Ash, White	10	N/A	0	Common Tree	No		Not Significant
105	Ash, Green	12	4	1	Common Tree	Yes		X
106	Ash, Green	10	N/A	0	Common Tree	No		Not Significant
107	Basswood	10	N/A	0	Common Tree	No		Not Significant
108	Maple, Silver	17.5	3	1	Common Tree	Yes		X
109	Ash, Green	23	2	1	Common Tree	Yes		X
110	Basswood	14	3	1	Common Tree	Yes		X
111	Kentucky Coffee Tree	10	3	1	Common Tree	No		Not Significant
112	Ash, Green	12	2	1	Common Tree	Yes		X
113	Kentucky Coffee Tree	13	3	1	Common Tree	Yes		X
114	Basswood	16	2	1	Common Tree	Yes		X
115	Basswood	13	2	1	Common Tree	Yes		X
116	Pine, Red	15	2	1	Coniferous	Yes		X
117	Spruce, Blue	12	2	1	Coniferous	Yes		X
118	Spruce, Blue	17	2	1	Coniferous	Yes		X
119	Spruce, White	11	2	1	Coniferous	Yes		X
120	Basswood	14	3	1	Common Tree	Yes		X
121	Locust, Honey	14.5	2	2	Common Tree	Yes		X
122	Pine, Scots	22	3	1	Coniferous	Yes		X
123	Spruce, White	11	4	1	Coniferous	Yes		X
124	Spruce, White	9	3	1	Coniferous	Yes		X
125	Spruce, White	10.5	4	1	Coniferous	Yes		X
126	Spruce, White	20	4	1	Coniferous	Yes		X
127	Spruce, White	26	4	1	Coniferous	Yes		X
128	Spruce, White	17.5	3	1	Coniferous	Yes		X
129	Spruce, White	15	3	1	Coniferous	Yes		X
130	Spruce, White	15	2	1	Coniferous	Yes		X
131	Spruce, White	11.5	3	1	Coniferous	Yes		X
132	Spruce, Blue	10.5	3	1	Coniferous	Yes		X
133	Spruce, Blue	10	3	1	Coniferous	Yes		X
134	Ash, Green	20	2	1	Common Tree	Yes		X
135	Spruce, Blue	10.5	3	1	Coniferous	Yes		X
136	Ash, Green	16	2	1	Common Tree	Yes		X
137	Maple, Silver	44.5	2	1	Common Tree	Yes		X
138	Maple, Silver	18	3	1	Common Tree	Yes		X
139	Cedar, white	11.5	2	2	Common Tree	No		Not Significant
140	Cedar, white	14	2	5	Common Tree	Yes		X
141	Locust, Honey	21.5	2	1	Common Tree	Yes		X
142	Spruce, White	20	3	1	Coniferous	Yes		X
143	Basswood	28	3	1	Common Tree	Yes		X
144	Basswood	20	4	1	Common Tree	Yes		X
145	Pine, Red	18	2	1	Coniferous	Yes		X
146	Oak, White	22	3	1	Deciduous Hardwood	Yes		X
147	Oak, Burr	20	4	1	Deciduous Hardwood	Yes		X
148	Oak, Burr	17	4	1	Deciduous Hardwood	Yes		X
149	Oak, Burr	14	4	1	Deciduous Hardwood	Yes		X
150	Oak, Burr	12	3	1	Deciduous Hardwood	Yes		X
151	Oak, Burr	14	4	1	Deciduous Hardwood	Yes		X
152	Oak, Burr	15.5	3	1	Deciduous Hardwood	Yes		X
153	Cottonwood	16	2	1	Common Tree	Yes		X
154	Ash, Green	10	2	1	Common Tree	No		Not Significant
155	Cottonwood	14	2	1	Common Tree	Yes		X
156	Cottonwood	15	2	1	Common Tree	Yes		X
157	Cottonwood	12	2	2	Common Tree	Yes		X
158	Willow, Black	42	3	2	Common Tree	Yes		X
159	Birch, River	13	2	1	Deciduous Hardwood	Yes		X
160	Birch, River	10	2	1	Deciduous Hardwood	Yes		X
161	Birch, River	97	2	2	Deciduous Hardwood	Yes		X
162	Cottonwood	14	3	1	Common Tree	Yes		X
163	Pine, White	13	3	1	Coniferous	Yes		X
164	Pine, White	15	3	1	Coniferous	Yes	X	
165	Pine, White	12	3	1	Coniferous	Yes		X
166	Oak, White	11	4	1	Deciduous Hardwood	Yes		X
167	Pine, White	12.5	3	1	Coniferous	Yes		X
168	Pine, White	12	3	1	Coniferous	Yes		X
169	Spruce, White	8	2	1	Coniferous	Yes		X
170	Pine, White	13	3	1	Coniferous	Yes		X
171	Pine, White	12	3	1	Coniferous	Yes		X
172	Pine, White	14.5	3	1	Coniferous	Yes		X
173	Pine, White	14	3	1	Coniferous	Yes		X
174	Pine, White	13	3	1	Coniferous	Yes		X
175	Pine, White	12	3	1	Coniferous	Yes		X
176	Pine, White	12	3	1	Coniferous	Yes		X
177	Pine, White	12	3	1	Coniferous	Yes		X
178	Pine, White	12	3	1	Coniferous	Yes		X
179	Pine, White	12	3	1	Coniferous	Yes		X
180	Pine, White	12	3	1	Coniferous	Yes		X
181	Pine, White	12	3	1	Coniferous	Yes		X
182	Pine, White	12	3	1	Coniferous	Yes		X
183	Pine, White	12	3	1	Coniferous	Yes		X
184	Pine, White	12	3	1	Coniferous	Yes		X
185	Pine, White	12	3	1	Coniferous	Yes		X
186	Spruce, White	8	2	1	Coniferous	Yes		X
187	Pine, White	13	3	1	Coniferous	Yes		X
188	Pine, White	12	3	1	Coniferous	Yes		X
189	Pine, White	14.5	3	1	Coniferous	Yes		X
190	Pine, White	14	3	1	Coniferous	Yes		X
191	Cottonwood	23	3	1	Common Tree	Yes		X
192	Cottonwood	12	3	1	Common Tree	Yes		X
193	Cottonwood	13	3	1	Common Tree	Yes		X
194	Pine, White	14	3	1	Coniferous	Yes		X
195	Elm, Siberian	13	3	1	Common Tree	Yes		X
196	Cottonwood	13	3	1	Common Tree	Yes		X
197	Boxelder	14	2	1	Common Tree	Yes		X
198	Boxelder	19	2	1	Common Tree	Yes		X
199	Elm, American	20	3	1	Common Tree	Yes		X
200	Boxelder	17	2	3	Common Tree	Yes	X	
201	Ash, Green	16	3	1	Common Tree	Yes	X	
202	Ash, Green	15	2	1	Common Tree	Yes	X	
203	Willow, Black	12	2	1	Common Tree	Yes		X
204	Maple, Silver	12	2	2	Common Tree	Yes		X
205	Birch, River	10	2	2	Deciduous Hardwood	Yes		X
206	Willow, Black	23	2	2	Common Tree	Yes		X
207	Willow, Black	13	2	2	Common Tree	Yes	X	



# PHASE I INDIVIDUAL SHOTS CONT'D

Tree No.	Tree Species	DBH (in.)	Quality	Stems	City Classification	Significant	Saved	Removed
1263	Ash, Green	18	3	1	Common Tree	Yes		X
1264	Maple, Silver	18	2	2	Common Tree	Yes		X
1265	Locust, Honey	30	2	1	Common Tree	Yes		X
1266	Pine, Red	13	3	1	Coniferous	Yes		X
1267	Pine, Red	12	3	1	Coniferous	Yes		X
1268	Pine, Red	12.5	3	1	Coniferous	Yes		X
1269	Maple, Silver	25	3	1	Common Tree	Yes		X
1270	Maple, Silver	25.5	3	1	Common Tree	Yes		X
1271	Maple, Silver	38	3	1	Common Tree	Yes		X
1272	Maple, Silver	41	2	1	Common Tree	Yes		X
1273	Ash, Green	21.5	3	1	Common Tree	Yes		X
1274	Locust, Honey	12	2	3	Common Tree	Yes		X
1275	Ash, Green	16	2	1	Common Tree	Yes		X
1276	Pine, Red	15.5	3	1	Coniferous	Yes		X
1277	Pine, Red	15	3	1	Coniferous	Yes		X
1278	Pine, Red	17	3	1	Coniferous	Yes		X
1279	Pine, Red	15	3	1	Coniferous	Yes		X
1280	Pine, Red	16	2	1	Coniferous	Yes		X
1281	Pine, Red	17	3	1	Coniferous	Yes		X
1282	Pine, Red	15	3	1	Coniferous	Yes		X
1283	Pine, Red	17	3	1	Coniferous	Yes		X
1284	Pine, Red	20	3	1	Coniferous	Yes		X
1285	Pine, Red	16	3	1	Coniferous	Yes		X
1286	Birch, River	9	2	3	Deciduous Hardwood	Yes		X
1287	Birch, River	11	2	3	Deciduous Hardwood	Yes		X
1288	Birch, River	10	2	3	Deciduous Hardwood	Yes		X
1289	Spruce, White	13	2	2	Coniferous	Yes		X
1290	Spruce, White	19	3	1	Coniferous	Yes		X
1291	Oak, Burr	14	3	1	Deciduous Hardwood	Yes		X
1292	Pine, Red	17	4	1	Coniferous	Yes		X
1293	Spruce, White	17	3	1	Coniferous	Yes		X
1294	Oak, Burr	14	3	1	Deciduous Hardwood	Yes		X
1295	Pine, Red	14	4	1	Coniferous	Yes		X
1296	Pine, Red	14	3	1	Coniferous	Yes		X
1297	Oak, Burr	13	2	2	Deciduous Hardwood	Yes		X
1298	Oak, White	14.5	3	1	Deciduous Hardwood	Yes		X
1299	Oak, Burr	13	2	1	Deciduous Hardwood	Yes		X
1300	Oak, Burr	16	0	1	Deciduous Hardwood	Yes	Dead	
1301	Oak, Burr	15	3	1	Deciduous Hardwood	Yes		X
1302	Maple, Red	8	N/A	0	Deciduous Hardwood	Yes	X	
1303	Locust, Honey	28	4	1	Common Tree	Yes	X	
1304	Maple, Silver	40	3	1	Common Tree	Yes	X	
1305	Ash, Green	30	4	1	Common Tree	Yes		X
1306	Spruce, White	28	4	1	Coniferous	Yes		X
1307	Maple, Silver	23	2	1	Common Tree	Yes		X
1308	Maple, Silver	54	1	5	Common Tree	Yes	Bad Quality	
1309	Spruce, White	40	4	1	Coniferous	Yes		X
1310	Spruce, White	28	4	1	Coniferous	Yes		X
1311	Crabapple	6	4	4	Common Tree	No	Not Significant	
1312	Crabapple	7	4	4	Common Tree	No	Not Significant	
1313	Spruce	10	4	1	Coniferous	Yes	X	
1314	Spruce	8	4	1	Coniferous	Yes	X	
1315	Spruce	10	4	1	Coniferous	Yes	X	
1316	Spruce	8	4	2	Coniferous	Yes	X	
1317	Spruce	10	4	1	Coniferous	Yes	X	
1318	Spruce	8	4	1	Coniferous	Yes	X	
1319	Spruce	10	4	1	Coniferous	Yes	X	
1320	Spruce	10	4	1	Coniferous	Yes	X	
1321	Spruce	11	4	1	Coniferous	Yes	X	
1322	Maple	10	4	1	Common Tree	No	Not Significant	
1323	Spruce	10	3	3	Coniferous	Yes	X	
1324	Spruce	12	4	1	Coniferous	Yes	X	
1325	Spruce	18	4	1	Coniferous	Yes	X	
1326	Crabapple	9	4	4	Common Tree	No	Not Significant	
1327	Crabapple	7	4	3	Common Tree	No	Not Significant	
1328	Crabapple	8	4	6	Common Tree	No	Not Significant	
1329	Maple	13	4	1	Common Tree	Yes	X	
1330	Spruce	10	4	1	Coniferous	Yes	X	
1331	Spruce	10	4	1	Coniferous	Yes	X	
1332	Spruce	10	4	1	Coniferous	Yes	X	
1333	Spruce	8	4	1	Coniferous	Yes	X	
1334	Birch, River	10	4	3	Deciduous Hardwood	Yes	X	
1335	Spruce	8	4	1	Coniferous	Yes	X	
1336	Spruce	10	4	1	Coniferous	Yes	X	
1337	Spruce	12	4	1	Coniferous	Yes	X	
1338	Maple	11	4	1	Common Tree	No	Not Significant	
1339	Spruce	9	4	1	Coniferous	Yes	X	
1340	Spruce	10	4	1	Coniferous	Yes	X	
1341	Spruce	12	4	1	Coniferous	Yes	X	
1342	Spruce	8	4	1	Coniferous	No	Not Significant	
1343	Spruce	15	4	1	Coniferous	Yes	X	
1344	Birch, River	10	4	1	Deciduous Hardwood	Yes	X	
1345	Pine	18	4	1	Coniferous	Yes	X	
1346	Spruce	17	4	11	Coniferous	Yes	X	
1347	Ash	18	4	1	Common Tree	Yes	X	
1348	Ash	18	4	1	Common Tree	Yes	X	
1349	Linden, Littleleaf	14	4	2	Common Tree	Yes	X	
1350	Pine	11	4	1	Coniferous	Yes	X	
1351	Pine	18	4	1	Coniferous	Yes	X	
1352	Pine	14	4	1	Coniferous	Yes	X	
1353	Pine	14	4	1	Coniferous	Yes	X	
1354	Pine	11	4	1	Coniferous	Yes	X	
1355	Pine	13	4	1	Coniferous	Yes	X	
1356	Pine	14	4	1	Coniferous	Yes	X	
1357	Spruce	13	4	1	Coniferous	Yes	X	
1358	Spruce	18	4	1	Coniferous	Yes	X	
1359	Spruce	15	4	1	Coniferous	Yes		X
1360	Spruce	18	4	1	Coniferous	Yes		X

Tree No.	Tree Species	DBH (in.)	Quality	Stems	City Classification	Significant	Saved	Removed
1761	Spruce	15	4	1	Coniferous	Yes	X	
1762	Spruce	11	4	1	Coniferous	Yes	X	
1763	Spruce	14	4	1	Coniferous	Yes	X	
1764	Spruce	11	3	1	Coniferous	Yes	X	
1765	Spruce	13	4	1	Coniferous	Yes	X	
1766	Spruce	9	4	1	Coniferous	Yes	X	
1963	Maple	8	4	1	Common Tree	No		Not Significant
1964	Maple	10	4	1	Common Tree	No		Not Significant
1965	Pine	14	4	1	Coniferous	Yes	X	
1966	Pine	12	4	3	Coniferous	Yes	X	
1967	Pine	11	4	3	Coniferous	Yes	X	
1968	Spruce	10	4	1	Coniferous	Yes	X	
1969	Spruce	10	3	1	Coniferous	Yes	X	
1970	Spruce	11	4	1	Coniferous	Yes	X	
1971	Maple	8	4	1	Common Tree	No		Not Significant
1972	Maple	10	4	1	Common Tree	No		Not Significant
1973	Maple	10	4	1	Common Tree	No		Not Significant
1974	Maple	10	4	1	Common Tree	No		Not Significant
1975	Maple	19	4	1	Common Tree	Yes	X	
1976	Spruce	24	4	1	Coniferous	Yes	X	
1977	Spruce	18	4	1	Coniferous	Yes	X	
1978	Spruce	18	4	1	Coniferous	Yes	X	
1979	Spruce	9	4	2	Coniferous	Yes	X	
1980	Crabapple	8	4	4	Common Tree	No		Not Significant
1981	Crabapple	9	4	4	Common Tree	No		Not Significant
1982	Maple, Amur	12	4	4	Deciduous Hardwood	Yes	X	
1983	Spruce	13	4	1	Coniferous	Yes	X	
1984	Pine	12	4	1	Coniferous	Yes	X	
1985	Spruce	13	4	1	Coniferous	Yes	X	
1986	Pine	12	4	1	Coniferous	Yes	X	
1987	Spruce, white	23.0	4	1	Coniferous	Yes	X	
1988	Spruce, blue	17.5	4	1	Coniferous	Yes	X	
1989	Spruce	16	4	1	Coniferous	Yes	X	
1990	Spruce	14	4	1	Coniferous	Yes	X	
1991	Spruce	17	4	1	Coniferous	Yes	X	
1992	Spruce	13	4	1	Coniferous	Yes	X	
1993	Spruce	15	4	1	Coniferous	Yes	X	
1994	Maple	13	4	1	Common Tree	Yes	X	
1995	Crabapple	8	4	4	Common Tree	No		Not Significant
1996	Crabapple	6	4	4	Common Tree	No		Not Significant
1997	Crabapple	5	4	4	Common Tree	No		Not Significant
1998	Crabapple	8	4	4	Common Tree	No		Not Significant
1999	Crabapple	9	4	4	Common Tree	No		Not Significant
2000	Crabapple	8	4	4	Common Tree	No		Not Significant
2535	Pine, white	10.0	4	1	Coniferous	Yes	X	
2547	Spruce, white	12.0	4	1	Coniferous	Yes	X	X
2548	Pine, white	18.0	4	1	Coniferous	Yes	X	X
2549	Pine, white	14.0	4	1	Coniferous	Yes	X	
2550	Spruce, white	14.0	4	1	Coniferous	Yes	X	X
2551	Spruce, blue	14.0	4	1	Coniferous	Yes	X	X
2552	Spruce, white	10.0	4	1	Coniferous	Yes	X	X
2553	Spruce, blue	12.0	4	1	Coniferous	Yes	X	X
2554	Spruce, white	14.0	4	1	Coniferous	Yes	X	X
2555	Spruce, white	12.0	4	1	Coniferous	Yes	X	X
2558	Spruce, blue	9.0	4	1	Coniferous	Yes	X	X
2559	Pine, white	10.0	4	1	Coniferous	Yes	X	X
2560	Aspen, Quaking	12.0	4	1	Common Tree	Yes	X	
2561	Cottonwood	26.0	4	1	Common Tree	Yes		X
2563	Pine, white	10.0	4	1	Coniferous	Yes	X	
2564	Pine, white	16.0	4	1	Coniferous	Yes	X	
2567	Pine, white	20.0	4	2	Coniferous	Yes	X	X
2568	Pine, white	17.0	4	1	Coniferous	Yes	X	X
2570	Pine, white	28.0	4	2	Coniferous	Yes	X	X
2571	Spruce, white	16.0	4	1	Coniferous	Yes	X	X
2578	Spruce, white	12.0	4	1	Coniferous	Yes	X	X
2579	Spruce, white	12.0	4	1	Coniferous	Yes	X	X
2701	Cherry, black	19.0	4	1	Deciduous Hardwood	Yes	X	X
2702	Cottonwood	26.0	4	1	Common Tree	Yes	X	X
2703	Cottonwood	16.0	4	1	Common Tree	Yes	X	X
2704	Elm, Siberian	14.0	4	1	Common Tree	Yes	X	X
2705	Elm, Siberian	14.0	3	1	Common Tree	Yes	X	X
2706	Elm, Siberian	22.0	4	1	Common Tree	Yes	X	X
2707	Elm, Siberian	13.0	4	1	Common Tree	Yes	X	X
2708	Cottonwood	12.5	4	1	Common Tree	Yes	X	X
2709	Elm, Siberian	12.5	3	1	Common Tree	Yes	X	X
2710	Elm, Siberian	17.0	3	1	Common Tree	Yes	X	X
2711	Elm, Siberian	17.0	3	1	Common Tree	Yes	X	X
2712	Cottonwood	14.5	4	1	Common Tree	Yes	X	X
2713	Cottonwood	29.0	4	1	Common Tree	Yes	X	X
2714	Cottonwood	14.5	4	1	Common Tree	Yes	X	X
2715	Elm, Siberian	22.0	3	1	Coniferous	Yes	X	X
2716	Pine, Austrian	15.5	3	1	Coniferous	Yes	X	X
2717	Pine, Austrian	15.5	3	1	Coniferous	Yes	X	X
2718	Pine, Austrian	15.5	3	1	Coniferous	Yes	X	X
2719	Pine, Austrian	15.5	3	1	Coniferous	Yes	X	X
2720	Pine, Austrian	14.0	3	1	Coniferous	Yes	X	X
2721	Pine, Austrian	13.5	4	1	Coniferous	Yes	X	X
2722	Pine, Austrian	19.0	3	1	Coniferous	Yes	X	X
2723	Pine, Austrian	17.0	3	1	Coniferous	Yes	X	X
2724	Elm, Siberian	21.0	3	1	Common Tree	Yes	X	X
2725	Cottonwood	16.0	4	1	Common Tree	Yes	X	X
2726	Cottonwood	19.0	4	1	Common Tree	Yes	X	X
2727	Cottonwood	15.5	4	1	Common Tree	Yes	X	X
2728	Cottonwood	15.5	4	1	Common Tree	Yes	X	X
2729	Cottonwood	15.5	4	1	Common Tree	Yes	X	X



## PHASE I INDIVIDUAL SHOTS CONT'D

Tree No.	Tree Species	DBH (in.)	Quality	Stems	City Classification	Significant	Saved	Removed
10315	Pine, Scots	9.5	4	1	Coniferous	Yes	X	
10316	Pine, white	18.0	4	1	Coniferous	Yes	X	
10317	Pine, white	19.0	4	2	Coniferous	Yes	X	
10318	Pine, white	12.0	4	1	Coniferous	Yes	X	
10319	Pine, Scots	13.0	3	1	Coniferous	Yes	X	
10320	Pine, white	13.0	4	1	Coniferous	Yes	X	
10321	Pine, white	19.0	3	1	Coniferous	Yes	X	
10322	Pine, Scots	12.0	4	1	Coniferous	Yes	X	
10323	Pine, white	17.0	4	1	Coniferous	Yes	X	
10324	Pine, white	13.0	4	1	Coniferous	Yes	X	
10325	Pine, white	17.0	4	1	Coniferous	Yes	X	
10326	Pine, white	15.0	4	1	Coniferous	Yes	X	
10327	Pine, white	21.0	3	2	Coniferous	Yes	X	
10328	Oak, pin	13.0	4	1	Deciduous Hardwood	Yes	X	
10329	Oak, pin	10.5	4	1	Deciduous Hardwood	Yes	X	
10330	Pine, Scots	15.0	4	1	Coniferous	Yes	X	
10331	Pine, Scots	13.5	4	1	Coniferous	Yes	X	
10332	Pine, Scots	13.5	4	1	Coniferous	Yes	X	
10333	Oak, pin	16.0	4	1	Deciduous Hardwood	Yes	X	
10334	Oak, pin	15.5	4	1	Deciduous Hardwood	Yes	X	
10335	Oak, pin	17.5	4	1	Deciduous Hardwood	Yes	X	
10336	Tamarack	9.0	4	1	Coniferous	Yes	X	
10337	Oak, bur	30.0	4	1	Deciduous Hardwood	Yes	X	
10338	Spruce, blue	9.5	4	1	Coniferous	Yes	X	
10339	Spruce, blue	13.0	4	1	Coniferous	Yes	X	
10340	Spruce, blue	12.5	4	1	Coniferous	Yes	X	
10341	Spruce, blue	22.5	4	1	Coniferous	Yes	X	
10342	Spruce, white	11.0	3	1	Coniferous	Yes	X	
10343	Spruce, white	9.0	4	1	Coniferous	Yes	X	
10344	Honeylocust	12.0	4	1	Common Tree	Yes	X	
10345	Maple, red	12.0	4	1	Deciduous Hardwood	Yes	X	
10346	Maple, red	21.0	4	1	Deciduous Hardwood	Yes	X	
10658	Maple, silver	45.5	4	1	Common Tree	Yes	X	
10659	Maple, silver	20.0	4	1	Common Tree	Yes	X	
10670	Maple, silver	26.5	4	1	Common Tree	Yes	X	
10671	Maple, silver	35.0	4	1	Common Tree	Yes	X	
10672	Maple, silver	39.5	4	1	Common Tree	Yes	X	
10673	Maple, silver	38.0	4	1	Common Tree	Yes	X	
10674	Maple, silver	44.0	4	1	Common Tree	Yes	X	
10675	Basswood	28.0	4	1	Common Tree	Yes	X	
10676	Basswood	27.0	4	1	Common Tree	Yes	X	
10677	Basswood	33.0	4	1	Common Tree	Yes	X	
10678	Maple, sugar	26.0	4	1	Deciduous Hardwood	Yes	X	
10679	Spruce, white	10.0	4	1	Coniferous	Yes	X	
10680	Spruce, white	22.0	4	1	Coniferous	Yes	X	
10681	Spruce, white	8.0	3	1	Coniferous	Yes	X	
10682	Spruce, white	10.0	4	1	Coniferous	Yes	X	
10683	Spruce, white	3.0	4	1	Coniferous	Yes	X	
10684	Spruce, blue	24.0	3	1	Coniferous	Yes	X	
10685	Spruce, blue	21.0	4	1	Coniferous	Yes	X	
10686	Douglasfir	24.0	4	1	Coniferous	Yes	X	
10687	Spruce, blue	8.0	4	1	Coniferous	Yes	X	
10688	Spruce, white	8.0	4	1	Coniferous	Yes	X	
10689	Spruce, blue	20.0	3	1	Coniferous	Yes	X	
10690	Spruce, blue	26.0	3	1	Coniferous	Yes	X	
10691	Spruce, white	25.0	4	1	Coniferous	Yes	X	
10692	Spruce, white	19.0	4	1	Coniferous	Yes	X	
10693	Pine, red	14.5	4	1	Coniferous	Yes	X	
10694	Pine, Scots	29.0	4	1	Coniferous	Yes	X	
10695	Pine, red	15.0	4	1	Coniferous	Yes	X	
10696	Pine, red	15.5	4	1	Coniferous	Yes	X	
10697	Pine, red	18.0	4	1	Coniferous	Yes	X	
10698	Pine, Scots	21.0	3	1	Coniferous	Yes	X	
10699	Pine, Scots	26.0	3	1	Coniferous	Yes	X	
10700	Pine, Scots	21.0	3	1	Coniferous	Yes	X	
10701	Pine, Scots	27.0	3	1	Coniferous	Yes	X	
10702	Pine, Austrian	25.0	3	1	Coniferous	Yes	X	
10703	Pine, red	16.5	4	1	Coniferous	Yes	X	
10704	Pine, red	16.0	4	1	Coniferous	Yes	X	
10705	Pine, red	18.0	4	1	Coniferous	Yes	X	
10706	Crabapple	12.0	4	1	Common Tree	Yes	X	
10707	Crabapple	9.5	4	1	Common Tree	No	Not Significant	
10708	Spruce, white	12.0	4	1	Coniferous	Yes	X	
10709	Spruce, white	11.0	4	1	Coniferous	Yes	X	
10710	Spruce, white	9.0	4	1	Coniferous	Yes	X	
10711	Spruce, white	12.0	3	1	Coniferous	Yes	X	
10712	Spruce, white	12.5	4	1	Coniferous	Yes	X	
10713	Spruce, white	14.0	4	1	Coniferous	Yes	X	
10714	Spruce, white	11.0	4	1	Coniferous	Yes	X	
10715	Spruce, white	17.0	4	1	Coniferous	Yes	X	
10716	Spruce, white	13.5	4	1	Coniferous	Yes	X	
10717	Birch, river	28.0	4	3	Deciduous Hardwood	Yes	X	
10718	Birch, river	27.0	4	3	Deciduous Hardwood	Yes	X	
10719	Birch, river	27.0	4	4	Deciduous Hardwood	Yes	X	
10720	Birch, river	28.0	4	4	Deciduous Hardwood	Yes	X	
10721	Birch, river	28.0	4	4	Deciduous Hardwood	Yes	X	
10722	Birch, river	28.0	4	4	Deciduous Hardwood	Yes	X	
10723	Crabapple	8.0	3	1	Common Tree	No	Not Significant	
10724	Crabapple	8.5	4	1	Common Tree	No	Not Significant	
10725	Crabapple	5.0	3	1	Common Tree	No	Not Significant	
10726	Crabapple	5.5	4	1	Common Tree	No	Not Significant	
10727	Crabapple	8.5	4	1	Common Tree	No	Not Significant	
10728		Duplicate see Tree No. 1988						
10729	Birch, river	10.0	4	4	Deciduous Hardwood	Yes	X	
10730	Birch, river	10.0	4	4	Deciduous Hardwood	Yes	X	

Tree No.	Tree Species	DBH (in.)	Quality	Stems	City Classification	Significant	Saved	Removed
10731	Birch, river	12.0	4	4	Deciduous Hardwood	Yes	X	
10732	Crabapple	8.0	4	1	Common Tree	No		Not Significant
10733	Crabapple	7.0	4	1	Common Tree	No		Not Significant
10734	Crabapple	12.5	4	1	Common Tree	Yes	X	
10735	Pine, Scots	12.0	4	1	Coniferous	Yes	X	
10736	Spruce, blue	11.0	3	1	Coniferous	Yes		X
10737	Honeylocust	10.5	4	1	Common Tree	No		Not Significant
10738	Honeylocust	13.0	4	1	Common Tree	Yes	X	
10739	Honeylocust	14.5	4	1	Common Tree	Yes	X	
10740	Honeylocust	9.0	4	1	Common Tree	No		Not Significant
10741	Honeylocust	8.0	4	1	Common Tree	No		Not Significant
10742	Honeylocust	10.5	4	1	Common Tree	No		Not Significant
10743	Honeylocust	6.5	4	1	Common Tree	No		Not Significant
10744	Honeylocust	8.5	4	1	Common Tree	No		Not Significant
10745	Honeylocust	8.5	4	1	Common Tree	No		Not Significant
10746	Honeylocust	6.5	4	1	Common Tree	No		Not Significant
10747	Honeylocust	7.5	4	1	Common Tree	No		Not Significant
10748	Honeylocust	6.0	4	1	Common Tree	No		Not Significant
10749	Honeylocust	12.0	4	1	Common Tree	Yes		X
10750	Spruce, white	9.0	4	1	Coniferous	Yes	X	
10751	Spruce, white	11.0	4	1	Coniferous	Yes	X	
10752	Spruce, white	9.0	4	1	Coniferous	Yes	X	
10753	Honeylocust	9.5	4	1	Common Tree	No		Not Significant
10754	Honeylocust	7.5	4	1	Common Tree	No		Not Significant
10755	Honeylocust	7.5	4	1	Common Tree	No		Not Significant
10756	Honeylocust	8.5	4	1	Common Tree	No		Not Significant
10757	Honeylocust	6.5	4	1	Common Tree	No		Not Significant
10758	Honeylocust	7.0	4	1	Common Tree	No		Not Significant
10759	Honeylocust	10.5	4	1	Common Tree	No		Not Significant
10760	Honeylocust	10.5	4	1	Common Tree	No		Not Significant
10761	Honeylocust	15.0	4	1	Common Tree	Yes	X	
10762	Honeylocust	15.5	4	1	Common Tree	Yes	X	
10763	Honeylocust	10.0	4	1	Common Tree	No		Not Significant
10764	Honeylocust	11.0	4	1	Common Tree	No		Not Significant
10765	Crabapple	11.0	4	1	Common Tree	No		Not Significant
10766	Spruce, white	13.5	4	1	Coniferous	Yes		X
10767	Crabapple	6.0	4	1	Common Tree	No		Not Significant
10768	Spruce, blue	16.0	4	1	Coniferous	Yes		X
10769	Honeylocust	9.0	4	1	Common Tree	No		Not Significant
10770	Honeylocust	7.5	4	1	Common Tree	No		Not Significant
10771	Honeylocust	9.5	4	1	Common Tree	No		Not Significant
10772	Honeylocust	6.5	4	1	Common Tree	No		Not Significant
10773	Honeylocust	6.5	4	1	Common Tree	No		Not Significant
10774	Honeylocust	7.0	4	1	Common Tree	No		Not Significant
10775	Honeylocust	6.5	4	1	Common Tree	No		Not Significant
10776	Honeylocust	6.5	4	1	Common Tree	No		Not Significant
10777	Honeylocust	8.0	4	1	Common Tree	No		Not Significant
10778	Honeylocust	6.0	4	1	Common Tree	No		Not Significant
10779	Honeylocust	6.0	4	1	Common Tree	No		Not Significant
10780	Honeylocust	8.0	4	1	Common Tree	No		Not Significant
10781	Pine, Scots	12.5	4	1	Coniferous	Yes	X	
10782	Pine, Scots	21.0	4	1	Coniferous	Yes	X	
10783	Honeylocust	12.5	4	1	Common Tree	Yes		X
10784	Honeylocust	10.0	4	1	Common Tree	No		Not Significant
10785	Honeylocust	7.0	4	1	Common Tree	No		Not Significant
10786	Honeylocust	11.0	4	1	Common Tree	No		Not Significant
10787	Honeylocust	6.0	4	1	Common Tree	No		Not Significant
10788	Honeylocust	8.5	4	1	Common Tree	No		Not Significant
10789	Honeylocust	7.0	4	1	Common Tree	No		Not Significant
10790	Honeylocust	6.0	4	1	Common Tree	No		Not Significant
10791	Honeylocust	7.5	4	1	Common Tree	No		Not Significant
10792	Honeylocust	7.5	4	1	Common Tree	No		Not Significant
10793	Honeylocust	7.0	4	1	Common Tree	No		Not Significant
10794	Honeylocust	10.5	4	1	Common Tree	No		Not Significant
10795	Spruce, blue	15.0	3	1	Coniferous	Yes		X
10796	Crabapple	7.5	4	1	Common Tree	No		Not Significant
10797	Crabapple	7.5	4	1	Common Tree	No		Not Significant
10798	Birch, paper	16.5	4	1	Deciduous Hardwood	Yes	X	
10799	Birch, paper	13.5	4	1	Deciduous Hardwood	Yes	X	
10800	Birch, paper	10.5	4	1	Deciduous Hardwood	Yes	X	
10801	Honeylocust	17.0	4	1	Common Tree	Yes	X	
10802	Honeylocust	20.5	4	1	Common Tree	Yes	X	
10803	Honeylocust	12.5	3	1	Common Tree	Yes		X
10804	Maple, sugar	10.5	4	1	Deciduous Hardwood	Yes	X	
10805	Duplicate see Tree No. 1987							
10806	Willow	46.0	4	4	Common Tree	Yes	X	
10807	Spruce, white	9.0	4	1	Coniferous	Yes	X	
10808	Spruce, blue	16.5	4	1	Coniferous	Yes	X	
10809	Spruce, blue	15.5	4	1	Coniferous	Yes	X	
10810	Spruce, blue	14.5	4	1	Coniferous	Yes	X	
10811	Spruce, blue	16.0	4	1	Coniferous	Yes	X	
10812	Spruce, blue	19.0	4	1	Coniferous	Yes	X	
10813	Maple, silver	34.5	4	1	Common Tree	Yes	X	
10814	Spruce, Norway	13.0	4	1	Coniferous	Yes		X
10815	Spruce, Norway	12.0	4	1	Coniferous	Yes	X	
10816	Spruce, Norway	13.0	3	1	Coniferous	Yes	X	
10817	Douglasfir	18.0	4	1	Coniferous	Yes		X
10818	Maple, silver	39.5	4	1	Common Tree	Yes	X	
10819	Spruce, blue	14.5	4	1	Coniferous	Yes	X	
10820	Spruce, blue	15.0	4	1	Coniferous	Yes	X	
10821	Spruce, blue	13.0	4	1	Coniferous	Yes	X	
10822	Spruce, white	8.0	4	1	Coniferous	Yes	X	
10845	Ash, green	19.0	4	1	Common Tree	Yes	X	
10846	Pine, Scots	24.0	3	1	Coniferous	Yes	X	
10847	Pine, Scots	14.5	4	1	Coniferous	Yes	X	



## FUTURE PHASES INDIVIDUAL SHOTS

Tree No.	Tree Species	DBH (in.)	Quality	Stems	City Classification	Significant	Saved	Removed
153	Cottonwood	14	3	1	Common Tree	Yes	X	
154	Cottonwood	10.5	3	1	Common Tree	No		Not Significant
155	Cottonwood	15	2	3	Common Tree	Yes	X	
156	Tamarack	7.5	2	1	Coniferous	No		Not Significant
157	Tamarack	12.5	3	1	Coniferous	Yes		X
158	Cottonwood	16.5	2	2	Common Tree	Yes		X
159	Cottonwood	17	3	1	Common Tree	Yes		X
160	Cottonwood	8.5	2	1	Common Tree	No		Not Significant
176	Pine, White	13	3	1	Coniferous	Yes		X
177	Pine, White	11.5	3	1	Coniferous	Yes		X
178	Willow, Black	24	2	3	Common Tree	Yes		X
179	Willow, Black	30	2	2	Common Tree	Yes		X
180	Elm, Siberian	8	2	2	Common Tree	No		Not Significant
181	Pine, White	12	3	1	Coniferous	Yes		X
182	Aspen, Quaking	11	2	1	Common Tree	No		Not Significant
183	Oak, White	15	4	1	Deciduous Hardwood	Yes		X
184	Pine, White	13	3	1	Coniferous	Yes		X
232	Ash, Green	28	3	1	Common Tree	Yes	X	
233	Maple, Silver	51	3	1	Common Tree	Yes	X	
234	Maple, Silver	22.5	2	1	Common Tree	Yes	X	
235	Maple, Silver	25	2	1	Common Tree	Yes	X	
236	Maple, Sugar	56	3	1	Deciduous Hardwood	Yes	X	
237	Maple, Sugar	23	3	1	Deciduous Hardwood	Yes	X	
238	Maple, Silver	42	4	1	Common Tree	Yes	X	
239	Maple, Silver	38	4	1	Common Tree	Yes	X	
240	Maple, Silver	40.5	4	1	Common Tree	Yes	X	
241	Maple, Silver	28.5	4	1	Common Tree	Yes	X	
242	Maple, Silver	32	4	1	Common Tree	Yes	X	
243	Maple, Silver	37.5	4	1	Common Tree	Yes	X	
245	Maple, Amyr	6.5	1	4	Deciduous Hardwood	Yes		Bad Quality
246	Spruce, Blue	15	3	1	Coniferous	Yes		X
247	Spruce, Blue	12.5	2	2	Coniferous	Yes		X
248	Spruce, Blue	12	3	1	Coniferous	Yes		X
249	Spruce, Blue	11	2	1	Coniferous	Yes		X
250	Spruce, Blue	14.5	3	1	Coniferous	Yes		X
251	Maple, Amyr	4	1	8	Deciduous Hardwood	No		Not Significant
252	Maple, Amyr	4	1	8	Deciduous Hardwood	No		Not Significant
253	Spruce, Blue	11	2	1	Coniferous	Yes		X
254	Spruce, Blue	8	2	1	Coniferous	Yes		X
255	Spruce, Blue	11	2	1	Coniferous	Yes		X
256	Spruce, Blue	9	2	1	Coniferous	Yes		X
257	Spruce, Blue	9	2	1	Coniferous	Yes		X
258	Spruce, Blue	11.5	2	1	Coniferous	Yes		X
259	Spruce, Blue	10	3	1	Coniferous	Yes		X
260	Spruce, Blue	9.5	3	1	Coniferous	Yes		X
261	Birch, Paper	15	3	1	Deciduous Hardwood	Yes		X
262	Ash, Green	14	2	1	Common Tree	Yes	X	
263	Ash, Green	20	2	1	Common Tree	Yes	X	
264	Ash, Green	12	2	1	Common Tree	Yes	X	
265	Ash, Green	13	2	1	Common Tree	Yes	X	
266	Ash, Green	17.5	2	1	Common Tree	Yes	X	
267	Ash, Green	17.5	2	1	Common Tree	Yes	X	
268	Ash, Green	18.5	2	1	Common Tree	Yes	X	
269	Ash, Green	21	2	1	Common Tree	Yes	X	
270	Ash, Green	12.5	2	1	Common Tree	Yes	X	
271	Ash, Green	22	2	1	Common Tree	Yes	X	
272	Ash, Green	16.5	2	1	Common Tree	Yes	X	
273	Ash, Green	18	2	1	Common Tree	Yes	X	
274	Ash, Green	21	2	1	Common Tree	Yes	X	
275	Ash, Green	18	2	1	Common Tree	Yes	X	
276	Ash, Green	22	2	1	Common Tree	Yes	X	
277	Ash, Green	19	2	2	Common Tree	Yes	X	
278	Ash, Green	14	2	2	Common Tree	Yes	X	
279	Ash, Green	20.5	2	1	Common Tree	Yes	X	
280	Ash, Green	24.5	2	1	Common Tree	Yes	X	
281	Ash, Green	24.5	2	1	Common Tree	Yes	X	
282	Elm, American	11	3	1	Common Tree	No		Not Significant
283	Pine, Red	14.5	2	1	Coniferous	Yes	X	
284	Elm, Siberian	20	3	1	Common Tree	Yes	X	
285	Pine, Red	15	3	1	Coniferous	Yes	X	
286	Pine, Red	13.5	2	1	Coniferous	Yes	X	
287	Elm, Siberian	17	2	1	Common Tree	Yes	X	
288	Pine, Red	16.5	3	1	Coniferous	Yes	X	
289	Pine, Red	15.5	3	1	Coniferous	Yes	X	
290	Pine, Red	16.5	3	1	Coniferous	Yes	X	
291	Pine, Red	13.5	3	1	Coniferous	Yes	X	
292	Pine, Red	15	2	1	Coniferous	Yes	X	
293	Pine, Red	15.5	2	1	Coniferous	Yes	X	
294	Elm, Siberian	22	2	1	Common Tree	Yes	X	
295	Boxelder	14.5	2	1	Common Tree	Yes	X	
392	Oak, White	23	3	1	Deciduous Hardwood	Yes		X
398	Oak, White	20	3	1	Deciduous Hardwood	Yes	X	
399	Oak, Red	32.5	3	1	Deciduous Hardwood	Yes	X	
400	Oak, White	21	3	2	Deciduous Hardwood	Yes		X
401	Maple, Silver	34	3	1	Common Tree	Yes		X
402	Maple, Silver	45.5	3	1	Common Tree	Yes		X
403	Basswood	14.5	0	1	Common Tree	Yes	Dead	
404	Oak, White	28	3	1	Deciduous Hardwood	Yes	X	
405	Oak, White	21.5	4	1	Deciduous Hardwood	Yes	X	
406	Oak, White	16	3	1	Deciduous Hardwood	Yes	X	
407	Oak, White	14	2	2	Deciduous Hardwood	Yes	X	
408	Oak, White	17	2	2	Deciduous Hardwood	Yes	X	
409	Oak, White	17.5	3	1	Deciduous Hardwood	Yes	X	
410	Oak, White	10	3	1	Deciduous Hardwood	Yes	X	
411	Oak, White	30	4	1	Deciduous Hardwood	Yes	X	

Tree No.	Tree Species	DBH (in.)	Quality	Stems	City Classification	Significant	Saved	Removed
412	Oak, White	20	4	1	Deciduous Hardwood	Yes	X	
413	Oak, White	20.5	2	1	Deciduous Hardwood	Yes	X	
414	Oak, White	9	3	1	Deciduous Hardwood	Yes	X	
415	Oak, White	12	2	1	Deciduous Hardwood	Yes		X
416	Oak, White	16	3	1	Deciduous Hardwood	Yes		X
417	Oak, White	20	3	1	Deciduous Hardwood	Yes		X
418	Oak, White	15	2	2	Deciduous Hardwood	Yes	X	
419	Oak, White	17	2	1	Deciduous Hardwood	Yes	X	
420	Oak, White	23	3	1	Deciduous Hardwood	Yes	X	
421	Oak, White	15	3	1	Deciduous Hardwood	Yes	X	
422	Oak, Burr	10.5	4	1	Deciduous Hardwood	Yes		X
423	Oak, White	28.5	4	1	Deciduous Hardwood	Yes	X	
424	Oak, White	12.5	3	1	Deciduous Hardwood	Yes		X
425	Oak, White	20.5	3	1	Deciduous Hardwood	Yes		X
426	Oak, White	23	3	1	Deciduous Hardwood	Yes		X
427	Oak, White	16.5	4	1	Deciduous Hardwood	Yes		X
428	Oak, White	23	2	2	Deciduous Hardwood	Yes		X
429	Oak, White	14	3	1	Deciduous Hardwood	Yes		X
430	Birch, Paper	16	2	1	Deciduous Hardwood	Yes	X	
431	Oak, White	19	3	1	Deciduous Hardwood	Yes		X
432	Oak, Burr	19	3	1	Deciduous Hardwood	Yes		X
433	Oak, White	18.5	3	1	Deciduous Hardwood	Yes		X
434	Oak, White	21.5	2	1	Deciduous Hardwood	Yes		X
435	Oak, White	14.5	3	1	Deciduous Hardwood	Yes	X	
436	Oak, White	17	2	2	Deciduous Hardwood	Yes		X
437	Oak, White	22	2	2	Deciduous Hardwood	Yes		X
438	Oak, White	18	2	1	Deciduous Hardwood	Yes		X
439	Oak, White	15	3	1	Deciduous Hardwood	Yes		X
440	Oak, White	17.5	3	0	Deciduous Hardwood	Yes		X
441	Oak, White	17	3	1	Deciduous Hardwood	Yes		X
442	Oak, White	18	3	1	Deciduous Hardwood	Yes		X
443	Oak, White	12	2	1	Deciduous Hardwood	Yes		X
444	Oak, White	19.5	3	1	Deciduous Hardwood	Yes		X
445	Oak, White	12	2	1	Deciduous Hardwood	Yes		X
446	Birch, Paper	12	2	1	Deciduous Hardwood	Yes		X
447	Oak, White	17.5	3	1	Deciduous Hardwood	Yes		X
448	Oak, White	19	4	1	Deciduous Hardwood	Yes		X
449	Oak, White	15.5	3	1	Deciduous Hardwood	Yes		X
450	Oak, White	17	2	1	Deciduous Hardwood	Yes		X
451	Basswood	13	2	2	Common Tree	Yes		X
452	Basswood	15.5	3	1	Common Tree	Yes		X
453	Oak, White	17	3	1	Deciduous Hardwood	Yes		X
454	Oak, White	17.5	3	1	Deciduous Hardwood	Yes		X
455	Oak, White	14.5	2	1	Deciduous Hardwood	Yes	X	
456	Oak, White	15	2	1	Deciduous Hardwood	Yes		X
457	Oak, White	15	2	1	Deciduous Hardwood	Yes		X
458	Oak, White	13	2	1	Deciduous Hardwood	Yes		X
459	Oak, White	16	3	1	Deciduous Hardwood	Yes		X
460	Oak, White	20.5	3	1	Deciduous Hardwood	Yes		X
461	Oak, Burr	14	3	1	Deciduous Hardwood	Yes		X
462	Oak, Burr	25	3	1	Deciduous Hardwood	Yes	X	
463	Oak, White	15.5	2	1	Deciduous Hardwood	Yes	X	
464	Oak, White	13.5	3	1	Deciduous Hardwood	Yes	X	
465	Oak, White	12	2	1	Deciduous Hardwood	Yes	X	
466	Oak, White	13.5	3	1	Deciduous Hardwood	Yes	X	
467	Oak, White	11.5	2	1	Deciduous Hardwood	Yes	X	
468	Oak, White	16	3	1	Deciduous Hardwood	Yes	X	
469	Oak, White	17	3	1	Deciduous Hardwood	Yes	X	
470	Oak, White	15	2	1	Deciduous Hardwood	Yes	X	
471	Oak, White	19	2	1	Deciduous Hardwood	Yes	X	
472	Oak, Burr	18.5	3	1	Deciduous Hardwood	Yes	X	
473	Oak, White	11.5	3	1	Deciduous Hardwood	Yes	X	
474	Oak, White	14.5	2	1	Deciduous Hardwood	Yes	X	
475	Oak, White	15	3	1	Deciduous Hardwood	Yes	X	
476	Oak, White	13.5	3	1	Deciduous Hardwood	Yes	X	
477	Oak, White	16	3	1	Deciduous Hardwood	Yes		X
478	Oak, White	14	2	1	Deciduous Hardwood	Yes	X	
479	Oak, White	15	3	1	Deciduous Hardwood	Yes		X
480	Oak, Burr	20	2	1	Deciduous Hardwood	Yes	X	
481	Oak, White	21	3	1	Deciduous Hardwood	Yes	X	
482	Oak, White	17	3	1	Deciduous Hardwood	Yes	X	
483	Oak, White	13.5	3	1	Deciduous Hardwood	Yes	X	
484	Oak, White	16	3	1	Deciduous Hardwood	Yes	X	
485	Maple, Red	22	3	1	Deciduous Hardwood	Yes	X	
486	Oak, White	23	3	1	Deciduous Hardwood	Yes		X
487	Oak, White	23	1	1	Deciduous Hardwood	Yes	Bad Quality	
488	Oak, White	18	2	1	Deciduous Hardwood	Yes		X
489	Oak, Burr	27.5	2	1	Deciduous Hardwood	Yes		X
490	Oak, White	16.5	3	1	Deciduous Hardwood	Yes	X	
491	Oak, White	16.5	3	1	Deciduous Hardwood	Yes	X	
492	Oak, White	18.5	3	1	Deciduous Hardwood	Yes	X	
493	Oak, White	20.5	3	1	Deciduous Hardwood	Yes		X
494	Oak, White	13	2	2	Deciduous Hardwood	Yes		X
495	Oak, White	16.5	3	1	Deciduous Hardwood	Yes	X	
496	Oak, White	12	2	1	Deciduous Hardwood	Yes	X	
497	Oak, White	19	3	1	Deciduous Hardwood	Yes	X	
498	Oak, White	15	2	1	Deciduous Hardwood	Yes	X	
499	Oak, White	17	2	2	Deciduous Hardwood	Yes	X	
500	Oak, White	24.5	3	1	Deciduous Hardwood	Yes		X
501	Oak, White	25.5	4	1	Deciduous Hardwood	Yes	X	
502	Oak, White	22.5	4	1	Deciduous Hardwood	Yes	X	
503	Oak, White	30	4	1	Deciduous Hardwood	Yes	X	



# FUTURE PHASES INDIVIDUAL SHOTS CONT'D

Tree No.	Tree Species	DBH (in.)	Quality	Stems	City Classification	Significant	Saved	Removed
1406	Oak, White	16	2	3	Deciduous Hardwood	Yes		X
1407	Oak, Burr	10	2	1	Deciduous Hardwood	Yes		X
1408	Oak, Red	10	2	2	Deciduous Hardwood	Yes		X
1409	Oak, Red	10	3	1	Deciduous Hardwood	Yes		X
1410	Ash, Green	8	2	1	Common Tree	No	Not Significant	
1411	Elm, American	8.5	2	1	Common Tree	No	Not Significant	
1412	Ash, Green	14.5	2	1	Common Tree	Yes		X
1413	Boxelder	13	2	1	Common Tree	Yes		X
1414	Boxelder	17.5	2	1	Common Tree	Yes		X
1415	Boxelder	20	2	1	Common Tree	Yes		X
1416	Ash, Green	10	2	2	Common Tree	No	Not Significant	
1417	Ash, Green	10	2	1	Common Tree	No	Not Significant	
1418	Ash, Green	18	2	1	Common Tree	Yes		X
1419	Ash, Green	13	2	1	Common Tree	Yes		X
1420	Cherry, Black	11.5	2	1	Deciduous Hardwood	Yes		X
1421	Oak, Burr	21	2	1	Deciduous Hardwood	Yes		X
1422	Oak, White	31	1	1	Deciduous Hardwood	Yes	Bad Quality	
1423	Oak, Burr	11	3	1	Deciduous Hardwood	Yes		X
1424	Oak, Burr	7	2	1	Deciduous Hardwood	Yes		X
1425	Oak, Red	10	2	1	Deciduous Hardwood	Yes		X
1426	Oak, White	31.5	3	1	Deciduous Hardwood	Yes	X	
1427	Oak, Burr	23	4	1	Deciduous Hardwood	Yes	X	
1428	Oak, Burr	31	4	1	Deciduous Hardwood	Yes	X	
1429	Oak, White	35	1	1	Deciduous Hardwood	Yes	Bad Quality	
1430	Oak, White	19.5	3	1	Deciduous Hardwood	Yes	X	
1431	Basswood	14	2	1	Common Tree	Yes	X	
1432	Oak, White	27	4	1	Deciduous Hardwood	Yes	X	
1433	Ash, Green	19	2	1	Common Tree	Yes	X	
1434	Oak, White	24.5	4	1	Deciduous Hardwood	Yes	X	
1435	Maple, Sugar	28.5	3	1	Deciduous Hardwood	Yes	X	
1436	Ginkgo	13	2	1	Common Tree	Yes	X	
1437	Spruce, White	22.5	3	1	Coniferous	Yes	X	
1438	Spruce, White	19	3	1	Coniferous	Yes	X	
1439	Oak, Burr	22	4	1	Deciduous Hardwood	Yes	X	
1440	Oak, Burr	21.5	4	1	Deciduous Hardwood	Yes	X	
1441	Oak, Burr	28.5	4	1	Deciduous Hardwood	Yes		X
1442	Ash, Green	10.5	2	1	Common Tree	No	Not Significant	
1443	Ash, Green	10.5	2	1	Common Tree	No	Not Significant	
1444	Oak, Burr	29.5	3	1	Deciduous Hardwood	Yes		X
1445	Spruce, White	21.5	3	1	Coniferous	Yes	X	
1446	Oak, Burr	28.5	4	1	Deciduous Hardwood	Yes	X	
1447	Pine, Red	15.5	3	1	Coniferous	Yes	X	
1448	Pine, Red	23.5	2	1	Coniferous	Yes	X	
1449	Pine, Red	30	3	1	Coniferous	Yes	X	
1450	Pine, Red	21.5	2	1	Coniferous	Yes	X	
1451	Oak, White	28	3	1	Deciduous Hardwood	Yes		X
1452	Pine, Red	20	2	1	Coniferous	Yes		X
1453	Pine, Red	20	0	1	Coniferous	Yes	Dead	
1454	Oak, White	25.5	4	1	Deciduous Hardwood	Yes		X
1455	Oak, White	20	2	2	Deciduous Hardwood	Yes	X	
1456	Oak, White	19.5	2	2	Deciduous Hardwood	Yes	X	
1457	Oak, White	31.5	2	1	Deciduous Hardwood	Yes	X	
1458	Oak, White	28.5	4	1	Deciduous Hardwood	Yes	X	
1459	Oak, White	24.5	4	1	Deciduous Hardwood	Yes	X	
1460	Ash, Green	12	2	1	Common Tree	Yes	X	
1461	Oak, White	17	3	1	Deciduous Hardwood	Yes	X	
1462	Oak, White	20	3	1	Deciduous Hardwood	Yes	X	
1463	Oak, White	11	3	1	Deciduous Hardwood	Yes	X	
1464	Oak, White	15	3	1	Deciduous Hardwood	Yes	X	
1465	Oak, White	17.5	3	1	Deciduous Hardwood	Yes	X	
1466	Oak, White	23	4	1	Deciduous Hardwood	Yes	X	
1467	Oak, White	18	3	1	Deciduous Hardwood	Yes	X	
1468	Oak, White	30.5	4	1	Deciduous Hardwood	Yes	X	
1469	Oak, White	20	4	1	Deciduous Hardwood	Yes	X	
1470	Oak, White	21.5	4	1	Deciduous Hardwood	Yes	X	
1471	Oak, White	27.5	4	1	Deciduous Hardwood	Yes	X	
1472	Oak, White	23	3	1	Deciduous Hardwood	Yes		X
1473	Oak, White	20	3	1	Deciduous Hardwood	Yes	X	
1474	Oak, White	26	3	1	Deciduous Hardwood	Yes	X	
1475	Oak, White	26.5	2	1	Deciduous Hardwood	Yes	X	
1476	Oak, White	34.5	4	1	Deciduous Hardwood	Yes	X	
1477	Oak, White	30.5	4	1	Deciduous Hardwood	Yes	X	
1478	Oak, White	31	4	1	Deciduous Hardwood	Yes	X	
1479	Oak, White	32.5	4	1	Deciduous Hardwood	Yes		X
1480	Oak, White	26	4	1	Deciduous Hardwood	Yes	X	
1481	Oak, White	26	4	1	Deciduous Hardwood	Yes	X	
1482	Oak, White	25	3	1	Deciduous Hardwood	Yes	X	
1483	Oak, White	22.5	4	1	Deciduous Hardwood	Yes	X	
1484	Oak, White	20.5	4	1	Deciduous Hardwood	Yes	X	
1485	Oak, White	22	4	1	Deciduous Hardwood	Yes	X	
1486	Oak, White	25	3	1	Deciduous Hardwood	Yes	X	
1487	Oak, White	26	4	1	Deciduous Hardwood	Yes	X	
1488	Maple, Sugar	16	2	1	Deciduous Hardwood	Yes	X	
1489	Oak, White	28	4	1	Deciduous Hardwood	Yes		X
1490	Oak, White	25	4	1	Deciduous Hardwood	Yes	X	
1491	Oak, White	31.5	4	1	Deciduous Hardwood	Yes		X
1492	Oak, White	27.5	4	1	Deciduous Hardwood	Yes	X	
1493	Ash, Green	13.5	2	1	Common Tree	Yes		X
1494	Basswood	17.5	2	1	Common Tree	Yes	X	
1495	Basswood	16	4	1	Common Tree	Yes	X	
1497	Maple, Silver	20	3	2	Common Tree	Yes		X
1498	Maple, Silver	34	2	2	Common Tree	Yes	X	
1499	Basswood	13	1	1	Common Tree	Yes	Bad Quality	
1500	Oak, White	24	3	1	Deciduous Hardwood	Yes	X	
2556	Willow, black	62.0	3	8	Common Tree	Yes		X

Tree No.	Tree Species	DBH (in.)	Quality	Stems	City Classification	Significant	Saved	Removed
2557	Willow, black	58.0	3	1	Common Tree	Yes		X
2562	Cottonwood	26.0	4	1	Common Tree	Yes		X
2565	Willow, black	16.0	2	3	Common Tree	Yes		X
2566	Cottonwood	16.0	4	1	Common Tree	Yes		X
5000	Maple, silver	27.0	4	1	Common Tree	Yes		X
5001	Maple, silver	25.0	4	1	Common Tree	Yes		X
5002	Maple, silver	24.0	3	1	Common Tree	Yes		X
5003	Maple, silver	34.0	4	1	Common Tree	Yes		X
5004	Ash, green	14.0	4	1	Common Tree	Yes		X
5005	Ash, green	20.0	4	1	Common Tree	Yes		X
5006	Ash, green	20.0	3	1	Common Tree	Yes		X
5007	Ash, green	12.0	3	1	Common Tree	Yes		X
5008	Ash, green	18.0	4	1	Common Tree	Yes		X
5009	Ash, green	23.0	4	1	Common Tree	Yes		X
5010	Ash, green	20.0	4	1	Common Tree	Yes		X
5011	Ash, green	22.0	4	1	Common Tree	Yes		X
5012	Ash, green	28.0	3	1	Common Tree	Yes		X
5013	Ash, green	22.0	4	1	Common Tree	Yes		X
5014	Ash, green	19.0	4	1	Common Tree	Yes		X
5015	Ash, green	22.0	4	1	Common Tree	Yes		X
5016	Ash, green	32.0	3	1	Common Tree	Yes		X
5017	Ash, green	20.0	4	1	Common Tree	Yes		X
5018	Ash, green	32.0	3	1	Common Tree	Yes		X
5019	Ash, green	26.0	4	1	Common Tree	Yes		X
5020	Birch, paper	14.0	3	1	Deciduous Hardwood	Yes		X
5021	Birch, paper	10.0	3	2	Deciduous Hardwood	Yes		X
5022	Birch, paper	11.0	3	2	Deciduous Hardwood	Yes		X
5023	Basswood	14.0	1	2	Common Tree	No	Bad Quality	
5024	Maple, silver	40.0	3	3	Common Tree	Yes		X
5025	Maple, silver	13.0	3	1	Common Tree	Yes		X
5026	Maple, silver	22.0	3	1	Common Tree	Yes		X
5027	Ash, green	20.0	4	1	Common Tree	Yes		X
5028	Maple, silver	12.0	3	1	Common Tree	Yes		X
5029	Maple, silver	14.0	3	1	Common Tree	Yes		X
5030	Maple, silver	18.0	2	2	Common Tree	Yes		X
5031	Maple, silver	24.0	3	1	Common Tree	Yes		X
5032	Maple, silver	58.0	3	8	Common Tree	Yes		X
5033	Ash, green	26.0	4	1	Common Tree	Yes		X
5034	Ash, green	32.0	4	1	Common Tree	Yes		X
5035	Ash, green	20.0	4	1	Common Tree	Yes		X
5036	Oak, red	18.0	4	1	Deciduous Hardwood	Yes		X
5037	Oak, red	11.0	4	1	Deciduous Hardwood	Yes		X
5038	Pine, Scots	13.0	3	1	Coniferous	Yes		X
5039	Oak, bur	28.0	4	1	Deciduous Hardwood	Yes		X
5040	Oak, red	24.0	4	1	Deciduous Hardwood	Yes		X
5041	Oak, pin	18.0	4	1	Deciduous Hardwood	Yes		X
5042	Oak, pin	25.0	4	1	Deciduous Hardwood	Yes		X
5043	Oak, red	24.0	4	1	Deciduous Hardwood	Yes		X
5044	Oak, red	24.0	4	1	Deciduous Hardwood	Yes		X
5045	Boxelder	14.0	3	1	Common Tree	Yes		X
5046	Oak, pin	27.0	3	1	Deciduous Hardwood	Yes		X
5047	Oak, red	17.0	4	1	Deciduous Hardwood	Yes		X
5048	Oak, red	27.0	4	1	Deciduous Hardwood	Yes		X
5049	Boxelder	15.0	3	1	Common Tree	Yes		X
5050	Boxelder	20.0	3	1	Common Tree	Yes		X
5051	Maple, sugar	14.0	4	1	Deciduous Hardwood	Yes		X
5052	Pine, Scots	14.0	3	1	Coniferous	Yes		X
5053	Pine, Scots	28.0	3	2	Coniferous	Yes		X
5054	Maple, red	13.0	4	1	Deciduous Hardwood	Yes		X
5055	Maple, red	15.0	4	1	Deciduous Hardwood	Yes		X
5056	Maple, red	13.0	4	1	Deciduous Hardwood	Yes		X
5058	Spruce, blue	8.0	4	1	Coniferous	Yes		X
5058	Basswood	28.0	4	1	Common Tree	Yes		X
5059	Spruce, blue	8.0	4	1	Coniferous	Yes		X
5060	Ash, green	15.0	2	1	Common Tree	Yes		X
5061	Basswood	20.0	4	1	Common Tree	Yes		X
5062	Basswood	22.0	4	1	Common Tree	Yes		X
5063	Maple, red	13.0	2	1	Deciduous Hardwood	Yes		X
5064	Basswood	17.0	3	1	Common Tree	Yes	X	
5065	Pine, red	18.0	4	1	Coniferous	Yes	X	
5066	Pine, red	14.0	4	1	Coniferous	Yes	X	
5067	Pine, red	14.0	4	1	Coniferous	Yes	X	
5068	Pine, red	14.0	4	1	Coniferous	Yes	X	
5069	Pine, red	14.0	4	1	Coniferous	Yes		X
5070	Pine, red	14.0	4	1	Coniferous	Yes		X
5071	Pine, red	10.0	4	1	Coniferous	Yes		X
5072	Pine, red	16.0	4	1	Coniferous	Yes		X
5073	Pine, red	10.0	4	1	Coniferous	Yes		X
5074	Pine, red	11.0	4	1	Coniferous	Yes		X
5075	Pine, red	10.0	4	1	Coniferous	Yes		X
5076	Pine, red	14.0	4	1	Coniferous	Yes		X
5077	Pine, red	13.0	4	1	Coniferous	Yes		X
5078	Pine, red	11.0	4	1	Coniferous	Yes		X
5079	Pine, red	10.0	3	1	Coniferous	Yes	X	
5080	Pine, red	12.0	4	1	Coniferous	Yes	X	
5081	Pine, red	14.0	4	1	Coniferous	Yes	X	
5082	Pine, red	11.0	4	1	Coniferous	Yes	X	
5084	Pine, red	16.0	3	1	Coniferous	Yes	X	
5084	Pine, red	13.0	4	1	Coniferous	Yes	X	
5085	Pine, red	13.0	4	1	Coniferous	Yes	X	
5087	Pine, red	13.0	4	1	Coniferous	Yes	X	
5087	Pine, red	8.0	3	1	Coniferous	Yes	X	
5088	Pine, red	14.0	4	1	Coniferous	Yes	X	
5089	Pine, red	13.0	4	1	Coniferous	Yes	X	



# FUTURE PHASES INDIVIDUAL SHOTS CONT'D

Tree No.	Tree Species	DBH (in.)	Quality	Stems	City Classification	Significant	Saved	Removed
10158	Oak, red	19.0	3	2	Deciduous Hardwood	Yes	X	
10159	Elm, American	12.5	4	1	Common Tree	Yes	X	
10160	Elm, American	14.0	4	1	Common Tree	Yes	X	
10161	Oak, red	7.5	4	1	Deciduous Hardwood	Yes	X	
10162	Oak, red	22.0	3	2	Deciduous Hardwood	Yes	X	
10163	Elm, American	14.0	3	1	Common Tree	Yes	X	
10164	Cherry, black	12.0	4	1	Deciduous Hardwood	Yes	X	
10165	Oak, white	30.0	4	1	Deciduous Hardwood	Yes	X	
10166	Aspen	12.5	4	1	Common Tree	Yes	X	
10167	Ash, green	8.0	4	1	Common Tree	No	Not Significant	
10168	Boxelder	12.5	4	1	Common Tree	Yes	X	
10169	Oak, white	20.5	4	1	Deciduous Hardwood	Yes	X	
10170	Oak, red	6.0	4	1	Deciduous Hardwood	Yes	X	
10171	Oak, red	9.0	3	1	Deciduous Hardwood	Yes	X	
10172	Oak, red	6.0	4	1	Deciduous Hardwood	Yes	X	
10173	Oak, white	22.0	3	1	Deciduous Hardwood	Yes	X	
10174	Oak, white	19.5	4	1	Deciduous Hardwood	Yes	X	
10175	Oak, bur	24.0	4	1	Deciduous Hardwood	NA	Part of Plot 3	
10176	Maple, silver	45.0	3	1	Common Tree	Yes	X	
10177	Oak, white	20.5	4	1	Deciduous Hardwood	Yes	X	
10178	Oak, red	54.0	4	2	Deciduous Hardwood	Yes	X	
10179	Oak, red	30.0	4	1	Deciduous Hardwood	Yes	X	
10180	Oak, red	31.5	4	2	Deciduous Hardwood	Yes	X	
10181	Oak, red	18.0	4	1	Deciduous Hardwood	Yes	X	
10182	Oak, white	16.0	4	1	Deciduous Hardwood	Yes	X	
10183	Oak, white	15.5	4	1	Deciduous Hardwood	Yes	X	
10184	Oak, bur	27.0	4	1	Deciduous Hardwood	Yes	X	
10185	Oak, white	23.0	4	1	Deciduous Hardwood	Yes	X	
10186	Oak, white	21.5	4	1	Deciduous Hardwood	Yes	X	
10187	Oak, bur	16.0	4	1	Deciduous Hardwood	Yes	X	
10188	Oak, bur	26.0	4	1	Deciduous Hardwood	Yes		X
10189	Birch, paper	17.0	4	3	Deciduous Hardwood	Yes	X	
10190	Oak, bur	14.0	4	1	Deciduous Hardwood	Yes	X	
10191	Oak, bur	15.0	3	1	Deciduous Hardwood	Yes	X	
10192	Oak, bur	19.0	4	1	Deciduous Hardwood	Yes	X	
10193	Oak, red	9.5	4	1	Deciduous Hardwood	Yes	X	
10194	Oak, red	13.0	4	1	Deciduous Hardwood	Yes	X	
10195	Oak, red	8.5	4	1	Deciduous Hardwood	Yes	X	
10196	Oak, red	7.5	4	1	Deciduous Hardwood	Yes	X	
10197	Oak, red	6.0	4	1	Deciduous Hardwood	Yes	X	
10198	Oak, red	8.5	4	1	Deciduous Hardwood	Yes	X	
10199	Oak, bur	26.0	4	1	Deciduous Hardwood	Yes	X	
10200	Oak, red	6.0	4	1	Deciduous Hardwood	Yes	X	
10201	Oak, red	9.0	4	1	Deciduous Hardwood	Yes	X	
10202	Oak, bur	15.5	4	1	Deciduous Hardwood	Yes	X	
10203	Oak, bur	17.5	3	1	Deciduous Hardwood	Yes	X	
10204	Oak, bur	16.5	4	1	Deciduous Hardwood	Yes	X	
10205	Oak, red	6.5	4	1	Deciduous Hardwood	Yes	X	
10206	Oak, red	6.0	4	1	Deciduous Hardwood	Yes	X	
10207	Oak, red	16.0	4	2	Deciduous Hardwood	Yes	X	
10208	Oak, bur	6.5	4	1	Deciduous Hardwood	Yes	X	
10209	Oak, red	9.0	4	1	Deciduous Hardwood	Yes	X	
10210	Oak, red	29.0	4	1	Deciduous Hardwood	Yes	X	
10211	Oak, bur	17.5	4	1	Deciduous Hardwood	Yes	X	
10212	Oak, bur	27.0	4	1	Deciduous Hardwood	Yes	X	
10213	Cherry, black	9.0	3	2	Deciduous Hardwood	Yes	X	
10214	Elm, American	15.0	4	1	Common Tree	Yes	X	
10215	Oak, red	12.0	4	1	Deciduous Hardwood	Yes	X	
10216	Oak, bur	26.0	3	1	Deciduous Hardwood	Yes	X	
10217	Oak, bur	14.5	4	1	Deciduous Hardwood	Yes	X	
10218	Oak, red	9.0	4	1	Deciduous Hardwood	Yes	X	
10219	Oak, red	10.0	4	1	Deciduous Hardwood	Yes	X	
10220	Oak, red	12.5	4	1	Deciduous Hardwood	Yes	X	
10221	Oak, bur	6.0	4	1	Deciduous Hardwood	Yes	X	
10222	Oak, bur	28.0	3	1	Deciduous Hardwood	Yes	X	
10223	Spruce, blue	10.0	4	1	Coniferous	Yes	X	
10224	Spruce, blue	10.0	4	1	Coniferous	Yes	X	
10225	Spruce, blue	14.0	4	1	Coniferous	Yes	X	
10226	Oak, red	15.0	4	1	Deciduous Hardwood	Yes	X	
10227	Oak, red	10.5	4	1	Deciduous Hardwood	Yes	X	
10228	Oak, bur	28.0	4	1	Deciduous Hardwood	Yes	X	
10229	Oak, bur	19.0	4	1	Deciduous Hardwood	Yes	X	
10230	Oak, bur	29.0	4	1	Deciduous Hardwood	Yes	X	
10231	Oak, bur	28.5	4	1	Deciduous Hardwood	Yes	X	
10232	Spruce, blue	9.0	4	1	Coniferous	Yes	X	
10233	Spruce, blue	12.0	4	1	Coniferous	Yes	X	
10234	Spruce, blue	11.0	4	1	Coniferous	Yes	X	
10235	Spruce, blue	10.0	4	1	Coniferous	Yes	X	
10236	Spruce, blue	11.0	4	1	Coniferous	Yes	X	
10237	Oak, red	6.0	4	1	Deciduous Hardwood	Yes	X	
10238	Oak, red	40.0	4	1	Deciduous Hardwood	Yes	X	
10239	Oak, bur	26.0	4	1	Deciduous Hardwood	Yes	X	
10240	Oak, pin	10.0	4	1	Deciduous Hardwood	Yes	X	
10241	Pine, Austrian	10.5	4	1	Coniferous	Yes	X	
10242	Pine, red	10.0	4	1	Coniferous	Yes	X	
10243	Pine, red	11.0	3	1	Coniferous	Yes	X	
10244	Pine, red	12.5	4	1	Coniferous	Yes	X	
10245	Pine, red	14.0	4	1	Coniferous	Yes	X	
10246	Pine, red	17.0	4	1	Coniferous	Yes	X	
10247	Elm, American	13.5	4	1	Common Tree	Yes	X	
10248	Cottonwood	44.0	4	1	Common Tree	Yes	X	
10249	Cottonwood	40.0	3	1	Common Tree	Yes	X	
10250	Cottonwood	14.0	4	1	Common Tree	Yes	X	
10251	Cottonwood	23.0	3	2	Common Tree	Yes	X	
10252	Pine, white	9.5	4	1	Coniferous	Yes	X	
10253	Spruce, blue	30.0	4	1	Coniferous	Yes	X	
10254	Pine, white	12.0	4	1	Coniferous	Yes	X	

Tree No.	Tree Species	DBH (in.)	Quality	Stems	City Classification	Significant	Saved	Remove
10360	Cottonwood	18.5	4	1	Common Tree	Yes	X	
10361	Cottonwood	14.0	3	1	Common Tree	Yes	X	
10362	Cottonwood	19.0	4	1	Common Tree	Yes	X	
10363	Cottonwood	16.5	4	1	Common Tree	Yes	X	
10364	Cottonwood	16.0	4	1	Common Tree	Yes	X	
10365	Maple, silver	34.0	4	1	Common Tree	Yes	X	
10366	Maple, sugar	19.0	4	1	Deciduous Hardwood	Yes	X	
10367	Cottonwood	15.0	4	1	Common Tree	Yes	X	
10368	Cottonwood	14.0	4	1	Common Tree	Yes	X	
10369	Cottonwood	19.5	4	1	Common Tree	Yes	X	
10370	Cottonwood	16.5	4	1	Common Tree	Yes	X	
10371	Cottonwood	11.0	4	1	Common Tree	No		Not Significant
10372	Ash, green	12.0	3	1	Common Tree	Yes	X	
10373	Cottonwood	15.0	4	1	Common Tree	Yes	X	
10374	Cottonwood	21.0	4	1	Common Tree	Yes	X	
10375	Ash, green	6.0	4	1	Common Tree	No		Not Significant
10376	Elm, American	16.0	4	1	Common Tree	Yes	X	
10377	Cottonwood	14.0	4	1	Common Tree	Yes	X	
10378	Ash, green	7.0	4	1	Common Tree	No		Not Significant
10379	Ash, green	6.5	3	1	Common Tree	No		Not Significant
10380	Cottonwood	18.0	4	1	Common Tree	Yes	X	
10381	Cottonwood	20.0	4	1	Common Tree	Yes	X	
10382	Ash, green	16.0	4	2	Common Tree	Yes	X	
10383	Spruce, blue	14.0	4	1	Coniferous	Yes	X	
10384	Spruce, blue	14.0	4	1	Coniferous	Yes	X	
10385	Pine, Scots	16.0	4	1	Coniferous	Yes	X	
10386	Pine, Scots	15.0	3	1	Coniferous	Yes	X	
10387	Pine, Scots	15.5	4	1	Coniferous	Yes	X	
10388	Pine, Scots	17.0	3	1	Coniferous	Yes	X	
10389	Maple, sugar	14.0	4	1	Deciduous Hardwood	Yes	X	
10390	Pine, Scots	20.0	3	1	Coniferous	Yes	X	
10391	Pine, Scots	12.0	4	1	Coniferous	Yes	X	
10392	Pine, Scots	15.0	4	1	Coniferous	Yes	X	
10393	Pine, Scots	14.0	4	1	Coniferous	Yes	X	
10394	Pine, Scots	15.5	4	1	Coniferous	Yes	X	
10395	Maple, silver	12.0	3	1	Common Tree	Yes	X	
10396	Maple, silver	12.0	3	1	Common Tree	Yes	X	
10397	Maple, silver	42.0	3	5	Common Tree	Yes	X	
10398	Maple, silver	13.5	4	1	Common Tree	Yes	X	
10399	Maple, silver	20.0	3	1	Common Tree	Yes	X	
10400	Maple, silver	36.0	3	5	Common Tree	Yes	X	
10401	Elm, American	21.0	4	1	Common Tree	Yes	X	
10402	Elm, Siberian	18.0	3	1	Common Tree	Yes	X	
10403	Elm, American	14.0	4	1	Common Tree	Yes	X	
10404	Maple, silver	38.0	3	1	Common Tree	Yes	X	
10405	Birch, paper	6.0	4	1	Deciduous Hardwood	Yes	X	
10406	Birch, paper	6.0	4	1	Deciduous Hardwood	Yes	X	
10407	Birch, paper	16.0	4	4	Deciduous Hardwood	Yes	X	
10408	Spruce, blue	18.0	3	1	Coniferous	Yes	X	
10409	Oak, red	16.0	4	1	Deciduous Hardwood	Yes	X	
10410	Oak, red	13.5	4	1	Deciduous Hardwood	Yes	X	
10411	Birch, paper	10.0	4	2	Deciduous Hardwood	Yes	X	
10412	Oak, red	12.5	4	1	Deciduous Hardwood	Yes	X	
10413	Oak, red	12.5	4	1	Deciduous Hardwood	Yes	X	
10414	Oak, red	7.0	4	1	Deciduous Hardwood	Yes	X	
10415	Oak, red	14.5	4	1	Deciduous Hardwood	Yes	X	
10416	Ash, green	8.5	4	1	Common Tree	No		Not Significant
10417	Elm, American	13.5	3	1	Common Tree	Yes	X	
10418	Elm, American	14.5	3	1	Common Tree	Yes	X	
10419	Elm, American	14.5	3	1	Common Tree	Yes	X	
10420	Birch, paper	30.0	3	3	Deciduous Hardwood	Yes	X	
10421	Birch, paper	13.5	3	1	Deciduous Hardwood	Yes	X	
10422	Oak, red	7.0	4	1	Deciduous Hardwood	Yes	X	
10423	Birch, paper	10.5	4	1	Deciduous Hardwood	Yes	X	
10424	Birch, paper	8.0	4	1	Deciduous Hardwood	Yes	X	
10425	Oak, red	10.5	4	1	Deciduous Hardwood	Yes	X	
10426	Oak, bur	19.0	4	1	Deciduous Hardwood	Yes	X	
10427	Basswood	12.0	3	2	Common Tree	Yes	X	
10428	Oak, red	12.0	4	1	Deciduous Hardwood	Yes	X	
10429	Elm, Siberian	25.0	3	1	Common Tree	Yes	X	
10430	Oak, red	14.0	4	1	Deciduous Hardwood	Yes	X	
10431	Oak, red	6.0	4	1	Deciduous Hardwood	Yes	X	
10432	Basswood	21.0	4	2	Common Tree	Yes	X	
10433	Maple, silver	14.5	4	1	Common Tree	Yes	X	
10434	Basswood	15.0	3	2	Common Tree	Yes	X	
10435	Basswood	15.5	4	2	Common Tree	Yes	X	
10436	Birch, paper	8.5	4	1	Deciduous Hardwood	Yes	X	
10437	Cottonwood	18.0	4	1	Common Tree	Yes	X	
10438	Cottonwood	17.5	4	1	Common Tree	Yes	X	
10439	Cottonwood	19.0	4	1	Common Tree	Yes	X	
10440	Cottonwood	13.5	4	1	Common Tree	Yes	X	
10441	Elm, American	12.5	4	1	Common Tree	Yes	X	
10442	Cottonwood	18.5	4	1	Common Tree	Yes	X	
10443	Cottonwood	34.5	4	2	Common Tree	Yes	X	
10444	Cottonwood	12.5	4	1	Common Tree	Yes	X	
10445	Cottonwood	14.0	4	1	Common Tree	Yes	X	
10446	Cottonwood	17.0	4	1	Common Tree	Yes	X	
10447	Elm, American	13.5	4	1	Common Tree	Yes	X	
10448	Cottonwood	44.0	4	1	Common Tree	Yes	X	
10449	Cottonwood	40.0	3	1	Common Tree	Yes	X	
10450	Cottonwood	14.0	4	1	Common Tree	Yes	X	
10451	Cottonwood	23.0	3	2	Common Tree	Yes	X	
10452	Pine, white	9.5	4	1	Coniferous	Yes	X	
10453	Spruce, blue	10.0	4	1	Coniferous	Yes	X	
10454	Pine, white	12.0	4	1	Coniferous	Yes	X	



FUTURE PHASES INDIVIDUAL SHOTS CONT'D

Tree No.	Tree Species	DBH (in.)	Quality	Stems	City Classification	Significant	Saved	Removed
10645	Spruce, white	11.5	3	1	Coniferous	Yes	X	
10646	Spruce, white	11.0	3	1	Coniferous	Yes	X	
10647	Spruce, white	11.0	3	1	Coniferous	Yes	X	
10648	Oak, pin	13.0	4	1	Deciduous Hardwood	Yes	X	
10649	Oak, pin	13.5	4	1	Deciduous Hardwood	Yes	X	
10650	Oak, pin	15.0	4	1	Deciduous Hardwood	Yes	X	
10651	Oak, pin	13.0	4	1	Deciduous Hardwood	Yes	X	
10652	Oak, pin	16.5	4	1	Deciduous Hardwood	Yes	X	
10653	Oak, bur	9.5	4	1	Deciduous Hardwood	Yes	X	
10654	Oak, red	9.0	4	1	Deciduous Hardwood	Yes	X	
10655	Oak, bur	7.0	4	1	Deciduous Hardwood	Yes	X	
10656	Oak, red	11.0	4	1	Deciduous Hardwood	Yes	X	
10657	Oak, red	11.0	4	1	Deciduous Hardwood	Yes	X	
10658	Oak, bur	26.0	3	1	Deciduous Hardwood	Yes	X	
10659	Elm, Siberian	15.5	4	1	Common Tree	Yes	X	
10660	Oak, bur	15.0	4	2	Deciduous Hardwood	Yes	X	
10661	Oak, red	11.0	4	1	Deciduous Hardwood	Yes	X	
10662	Oak, red	34.0	4	1	Deciduous Hardwood	Yes	X	
10663	Oak, red	10.5	4	1	Deciduous Hardwood	Yes	X	
10664	Oak, red	6.5	4	1	Deciduous Hardwood	Yes	X	
10665	Oak, red	7.5	4	1	Deciduous Hardwood	Yes	X	
10666	Oak, bur	8.5	3	1	Deciduous Hardwood	Yes	X	
10667	Oak, red	27.0	3	1	Deciduous Hardwood	Yes	X	
10823	Maple, red	14.0	4	1	Deciduous Hardwood	Yes		X
10824	Oak, bur	29.5	4	1	Deciduous Hardwood	Yes	X	
10825	Oak, bur	30.0	4	1	Deciduous Hardwood	Yes	X	
10826	Elm, Siberian	26.0	3	1	Common Tree	Yes	X	
10827	Pine, Scots	19.0	4	1	Coniferous	Yes	X	
10828	Spruce, blue	16.0	4	1	Coniferous	Yes	X	
10829	Pine, Scots	16.0	4	1	Coniferous	Yes	X	
10830	Pine, red	15.0	4	1	Coniferous	Yes	X	
10831	Pine, red	13.5	4	1	Coniferous	Yes	X	
10832	Pine, Scots	20.0	4	1	Coniferous	Yes	X	
10833	Ash, green	15.0	4	1	Common Tree	Yes	X	
10834	Pine, Austrian	9.0	3	1	Coniferous	Yes	X	
10835	Pine, Austrian	13.0	3	1	Coniferous	Yes	X	
10836	Pine, Austrian	16.0	3	1	Coniferous	Yes	X	
10837	Maple, silver	31.0	3	1	Common Tree	Yes	X	
10838	Pine, Austrian	14.0	3	1	Coniferous	Yes	X	
10839	Pine, Austrian	15.0	4	1	Coniferous	Yes	X	
10840	Pine, Austrian	12.5	4	1	Coniferous	Yes	X	
10841	Ash, green	12.0	4	1	Common Tree	Yes	X	
10842	Pine, Austrian	13.5	1	1	Coniferous	Yes	X	
10843	Pine, Austrian	12.0	4	1	Coniferous	Yes	X	
10844	Pine, Austrian	16.0	4	1	Coniferous	Yes	X	

Note: Tree Tags 1-1000 by Carlson McCain, Tree Tags 2536-5207A by KES and Tree Tags 10001-10855 by TreeBiz

NOTE:

TREE IDENTIFICATION AND TREE AREA CALCULATIONS WERE PROVIDED BY KJOLHAUG ENVIRONMENTAL SERVICES.

TOTAL INDIVIDUAL TREE SHOT ASSESMENT  
(ENTIRE SITE)

Total caliper inches from individual shots (Phase 1)	13,466.50
Common Tree Removal Caliper Inches	2507.9
Coniferous Tree Removal Caliper Inches	2421.0
Deciduous Hardwood Removal Caliper Inches	586.5

Total caliper inches from individual shots (Future Phases)	19,057.00
Common Tree Removal Caliper Inches	1701.0
Coniferous Tree Removal Caliper Inches	551.6
Deciduous Hardwood Removal Caliper Inches	3569.0

Quality Rating	
4	Good
3	Fair
2	Poor
1	Bad
0	Dead

TOTAL TREE PLOT ASSESMENT AREAS  
(ENTIRE SITE)

	Total Area (Acres)	Removal Area (Acres)	Caliper Inches per Acre	Total Caliper Inches	Total Caliper Inches Removed	Common Inches Removed	Conifer Inches Removed	Hardwood Inches removed
Area 1	35.93	14.08	1750.00	64627.50	24640.00	12320.00	12320.00	6849.92
Area 2	1.85	0.86	0.00	0.00	0.00	0.00	0.00	0.00
Area 3	5.91	4.49	1010.00	5969.10	4534.90	453.49	0.00	4081.41
Area 4	4.39	2.23	1010.00	4433.90	2252.30	1013.54	337.85	900.92
Area 5	2.02	0.00	290.00	585.80	0.00	0.00	0.00	0.00
Area 6	7.43	5.94	1325.63	9849.39	7874.21	874.91	0.00	6999.30
Area 7	2.05	1.03	906.67	1858.67	913.87	700.40	0.00	233.47
Area 8	1.76	0.00	815.00	1434.40	0.00	0.00	0.00	0.00
Area 9	See individual tree shot information							
Area 10	1.30	0.84	0.00	0.00	0.00	0.00	0.00	0.00
Area 11	8.24	0.00	1485.00	12236.40	0.00	0.00	0.00	0.00
Area 12	1.84	0.04	1707.50	3141.80	68.30	18.99	0.00	49.31
Area 13	2.86	0.00	815.00	2330.90	0.00	0.00	0.00	0.00
Area 14	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Totals:	78.63	29.51		106467.86	40303.58	15381.32	12657.85	19114.33

Total caliper inches from all areas	106,467.86
Common Tree Removal Caliper Inches	15381.3
Coniferous Tree Removal Caliper inches	12657.8
Deciduous Hardwood Removal Caliper inches	19114.3

SUMMARY (ENTIRE SITE)

Total caliper inches on the site	138,991.36
Allowable significant removal for the site (Allowable removal = 30% Total Significant DBH)	41,597.41
Common Tree Removal Caliper Inches	19589.8
Coniferous Tree Removal Caliper Inches	15629.8
Deciduous Hardwood Removal Caliper Inches	23269.8
Total Removal Caliper Inches	58489.5
Total Replacement Caliper Inches for Site	8396.05

Removal Threshold (30%)	41697.4
Common Tree Removal	19589.8
	22107.6
Coniferous Tree Removal	15629.8
	6477.7
Deciduous Hardwood Removal	23269.8
	6477.7
Removal Over Threshold	16792.1
	0.5
Hardwood Replacement Requirement	8396.05

Removal over threshold shall be counted against Hardwood Trees at a rate of replacement of 1/2" mitigated per 1" removed  
Mitigation requirement: 8396.05"



• environmental  
• engineering  
• surveying

3890 Pleasant Ridge Drive NE, Suite 100  
Blaine, MN 55014  
Phone: (763) 489-7900  
Fax: (763) 489-7959  
www.carlsonmccain.com

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

Print Name Brian J. Kryzofiak, P.E.  
Signature   
Date 9/21/16 License # 25063

Drawn ADB  
Designed BJX  
Date 9/21/16

Revisions  
1. 02/10/17 Revise Layout per Owner  
2. 04/07/17 Per City and Watershed Comments

H.C. Golf Course Development, LLC  
11074 Radisson Rd NE  
Blaine, MN 55449

THE ROYAL GOLF CLUB AT LAKE ELMO  
Lake Elmo, Minnesota

TREE PRESERVATION PLAN

T25  
of  
25





## **STAFF REPORT**

DATE: 4/24/17

AGENDA ITEM: 4B – PUBLIC HEARING

CASE # 2017-15

TO: Planning Commission

ITEM: Royal Golf Club at Lake Elmo Grading Permit

SUBMITTED BY: Stephen Wensman, Planning Director

REVIEWED BY: Emily Becker, City Planner  
Jack Griffin, City Engineer

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### **SUMMARY AND ACTION REQUESTED:**

The Planning Commission is being asked to consider a grading permit request from HC Golf Course Development LLC to grade the first phase of the Royal Golf Club at Lake Elmo development. The developer proposes to excavate over 400 cubic yards per acre of site area, triggering the need for a public hearing, Planning Commission review and Council approval. Typically preliminary grading is conducted after preliminary plat approval and in association with approved preliminary grading plans. The developer is requesting a grading permit outside of the preliminary plat process in order to facilitate early grading in the event the preliminary plat approval is delayed. In either case, the grading will be conducted according to grading plans which will substantially conform to the preliminary PUD plans that have been prepared and reviewed to date and are anticipated for approval with some modifications. Grading is also subject to meeting City standards for erosion control, Valley Branch Watershed District (VBWD) approval and an NPDES permit. Grading prior to plat approval does not guarantee approval of the preliminary plat and is conducted at the developer's own risk. In approving this grading activity the developer will be asked to acknowledge as part of the grading agreement that grading rework will likely be required as necessary to conform to the final approved Plat and construction plans.

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### **GENERAL INFORMATION**

*Applicant:* HC Golf Course Development, LLC

*Property Owner:* HC Golf Course Development, LLC, 11074 Radisson Road NE, Blaine, MN 55449

*Location:* Former 3M Tartan Park, PIDs: 25-029-21-12-0001, 25-029-21-13-0001, 25-029-21-14-0001, 25-029-21-21-0001, 25-029-21-31-0001, 25-029-21-42-0001, 25-029-21-43-0001, 25-029-21-43-0002, and 25-029-21-44-0002

*Request:* Grading Permit Approval

*Grading Site Area:* 73 acres



<i>Deadline for Action:</i>	Application Complete – 3/28/17 60 Day Deadline – Extension Letter Mailed – No 120 Day Deadline –
<i>Applicable Code:</i>	Article V Zoning Administration and Enforcement §150.270 Storm Water, Erosion, and Sediment Control Article III – Environmental Performance Standards

## REQUEST DETAILS

HC Golf Course Development is requesting a grading permit prior to preliminary plat approval. Because of the proposed grading exceeds 400 cu. yds. per site area, the request requires a public hearing, Commission review and Council approval.

The developer is requesting a permit to move 224,000 cubic yards of material, not including subgrade corrections and trench borrow, on 73 acres and to remove existing trees to begin grading the planned phase 1 Royal Golf Club at Lake Elmo planned subdivision. The Planning Commission reviewed and recommended approval of the preliminary plat and preliminary PUD Plans on March 28, 2017, and the preliminary plat and PUD plans will likely be reviewed by the City Council at the May 16, 2017 City Council meeting. The comprehensive plan amendment to allow the development to proceed was submitted to the Metropolitan Council on 3/27/17 and is presently under review. The Metropolitan Council has 60 days to review the amendment.

## PLANNING AND ZONING ISSUES

**Tree Preservation Plans.** An approved Tree Preservation Plan is required prior to issuance of a grading permit. The developer prepared a Tree Preservation Plan for the phase 1 grading that also shows tree preservation for all phases of the Royal with the preliminary plat application which has not been approved, however, the planned removal within phase 1 grading area is below the threshold for required tree replacement if considering the entire plat area. However, if the grading is viewed as a stand alone project and future phases and future tree replacement do not occur, then the developer is 5.4% over the allowed 30% tree removal. Staff recommends that an escrow be established for the 5.4% of the caliper inches removed to cover tree replacement. The escrow can be released once tree replacement occurs for future phases.

**VBWD Permit.** A Valley Branch Watershed District permit will be required prior to any grading work being done. The grading permit will be conditioned on VBWD approval. The VBWD has previously identified issues with the planned infiltration basins and other issues that the developer is working through. At this time, the developer does not believe the issues will impact to the proposed preliminary plat. At the time this report was written, the VBWD had not completed their review.

**Shoreland.** A portion of the grading is within the shorelands of Downs and Horseshoe Lakes. The proposed grading is consistent with the Article 17 – Shoreland Management Overlay District regulations. An EAW was prepared for the Royal Golf Club at Lake Elmo development and the proposed grading is consistent with the environmental review and the City made a negative declaration for an EIS.

**Construction Access.** Construction access was not identified on the grading plans as required. The developer had indicated that desired construction access would be off of Manning Trail and 10th

Street. The grading plans will be required to be updated to identify construction access for the project prior to the start of construction.

**Future Utility Work.** As discussed in the applicant's narrative, there will be utility work associated with the development project, but this work will occur subsequent to the site grading. The applicant has proposed to install some utilities under a Site Work Agreement prior to final plat approval. If approved by the City a Site Work Agreement will be required to provide the needed protections, securities and escrows for the public utility improvements.

**Engineering Review.** The engineering review for the Phase 1 Grading and Erosion Control Plans is ongoing as additional plan changes are being made to address VBWD permit requirements and City engineering design standards. The Phase 1 Grading and Erosion Control Plans will need to be approved for construction by the City Engineer prior to any grading permit being issued.

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#### **DRAFT CONDITIONS OF APPROVAL:**

Staff is recommending approval of the grading permit for HC Golf Course Development to conduct the Phase 1 grading activities on the properties with the following draft conditions:

1. That no utility work shall occur under the Grading Agreement.
2. That site access to the property be limited to 20<sup>th</sup> Street and 10<sup>th</sup> Street South and that the locations be identified on the grading plans.
3. That tree protection fencing be completed prior to grading and that the locations be staked and field inspected prior to installation.
4. That a tree replacement escrow be established in the Grading Agreement to cover 5.4% tree replacement of the 16,643.68 caliper inches being removed.
5. That the Developer enter into a Grading Agreement with the City acceptable to the City Attorney that delineates that the developer is responsible for the design, construction, and payment of the required improvements with financial guarantees therefore.
6. That no grading commence on the site until the Phase 1 grading and erosion control plans are approved by the City Engineer, the Grading Agreement is executed, the financial securities are in place, and a preconstruction meeting has been conducted with City staff.
7. That a Valley Branch Watershed District Permit and MPCA NPDES Permit are obtained and that all conditions of the permits are complied with.

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#### **DRAFT FINDINGS**

Staff is recommending that the Planning Commission consider the following findings with regards to the proposed grading:

1. That the Royal Golf Club at Lake Elmo preliminary plat has not been approved by the City Council.
2. That the proposed Phase 1 grading will be allowed under the terms and conditions of a grading agreement approved by the City Attorney prior to preliminary or final plat approval at the developer's sole risk and does not provide any development entitlement.
3. That a Tree Preservation Plan was submitted with the grading plan that clearly articulates the impacts to the woodlands on the site and addresses tree protection and replacement responsibilities.



4. That grading will be conducted on site with no off site impacts beyond normal development activities.
5. That the Phase 1 grading and erosion control plans have been reviewed and approved for mass grading operations on the site with conditions complying with the City's Storm Water, Erosion, and Sediment Control, and Tree Preservation ordinances and design standards.

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**RECOMENDATION:**

Staff recommends that the Planning Commission recommend approval of the grading permit with the conditions of approval as listed in the Staff report. Suggested motion:

***“Move to recommend approval of the grading permit to grade the first phase of the proposed Royal Golf Club at Lake Elmo plat area with 7 conditions based on the findings in the staff report.”***

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**ATTACHMENTS:**

1. Application Narrative
2. Royal Golf Club at Lake Elmo Grading, Development and Erosion Control Plans dated 4/7/17
3. Tree Preservation Plan

**CITY OF LAKE ELMO  
WASHINGTON COUNTY  
STATE OF MINNESOTA**

**RESOLUTION NO. 2017-045**

*A RESOLUTION APPROVING THE PHASE 1 GRADING FOR THE ROYAL GOLF CLUB AT  
LAKE ELMO*

**WHEREAS**, HC Golf Course Development, LLC (“Applicant”) has submitted an application to the City for preliminary plat and preliminary planned unit development which is under review by the City but has not been approved; and

**WHEREAS**, HC Golf Course Development, LLC (“Applicant”) has subsequently submitted an application for phase 1 grading for the preliminary plat prior to preliminary plat approval;

**WHEREAS**, the Lake Elmo Planning Commission held a public hearing on April 24, 2017 to consider the request for a grading permit outside of preliminary plat approval; and

**WHEREAS**, the Lake Elmo Planning Commission recommended approval of the grading permit with conditions; and

**WHEREAS**, the City Council reviewed the Planning Commission and public comments regarding the proposed grading permit on May 2, 2017; and

**NOW THEREFORE BE IT RESOLVED** based upon the testimony elicited and information received, the City Council makes the following:

**FINDINGS**

1. That the Royal Golf Club at Lake Elmo preliminary plat and preliminary plans have not been approved by the City Council.
2. That the proposed Phase 1 grading will be allowed under the terms and conditions of a grading agreement approved by the City Attorney prior to preliminary or final plat approval at the developer’s sole risk and does not provide any development entitlement.
3. That a Tree Preservation Plan was submitted with the grading plan that clearly articulates the impacts to the woodlands on the site and addresses tree protection and replacement responsibilities.
4. That the phase 1 grading is a standalone project as it pertains to the Tree Preservation Plan.
5. That grading will be conducted on site with no off site impacts beyond normal development activities.
6. That the phase 1 grading and erosion control plans have been reviewed and approved for mass grading operations on the site with conditions complying with the City’s Storm Water, Erosion, and Sediment Control, and Tree Preservation ordinances and design standards.



**NOW, THEREFORE, BE IT RESOLVED**, that based on the foregoing, the Lake Elmo City Council hereby approves the Applicants request for a grading permit with the following conditions:

1. That no utility work shall occur under the Grading Agreement.
2. That site access to the property be limited to 20<sup>th</sup> Street and 10<sup>th</sup> Street South and that the locations be identified on the grading plans.
3. That tree protection fencing be completed prior to grading and that the locations be staked and field inspected prior to installation.
4. That a tree replacement escrow be established in the Grading Agreement to cover 5.4% tree replacement of the 16,643.68 caliper inches being removed.
5. That the Developer enter into a Grading Agreement with the City acceptable to the City Attorney that delineates that the developer is responsible for the design, construction, and payment of the required improvements with financial guarantees therefore.
6. That no grading commence on the site until the Phase 1 grading and erosion control plans are approved by the City Engineer, the Grading Agreement is executed, the financial securities are in place, and a preconstruction meeting has been conducted with City staff.
7. That a Valley Branch Watershed District Permit and MPCA NPDES Permit are obtained and that all conditions of the permits are complied with prior to any grading activity.

Passed and duly adopted this 2 day of May, 2017, by the City Council of the City of Lake Elmo, Minnesota.

Mike Pearson, Mayor

ATTEST:

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