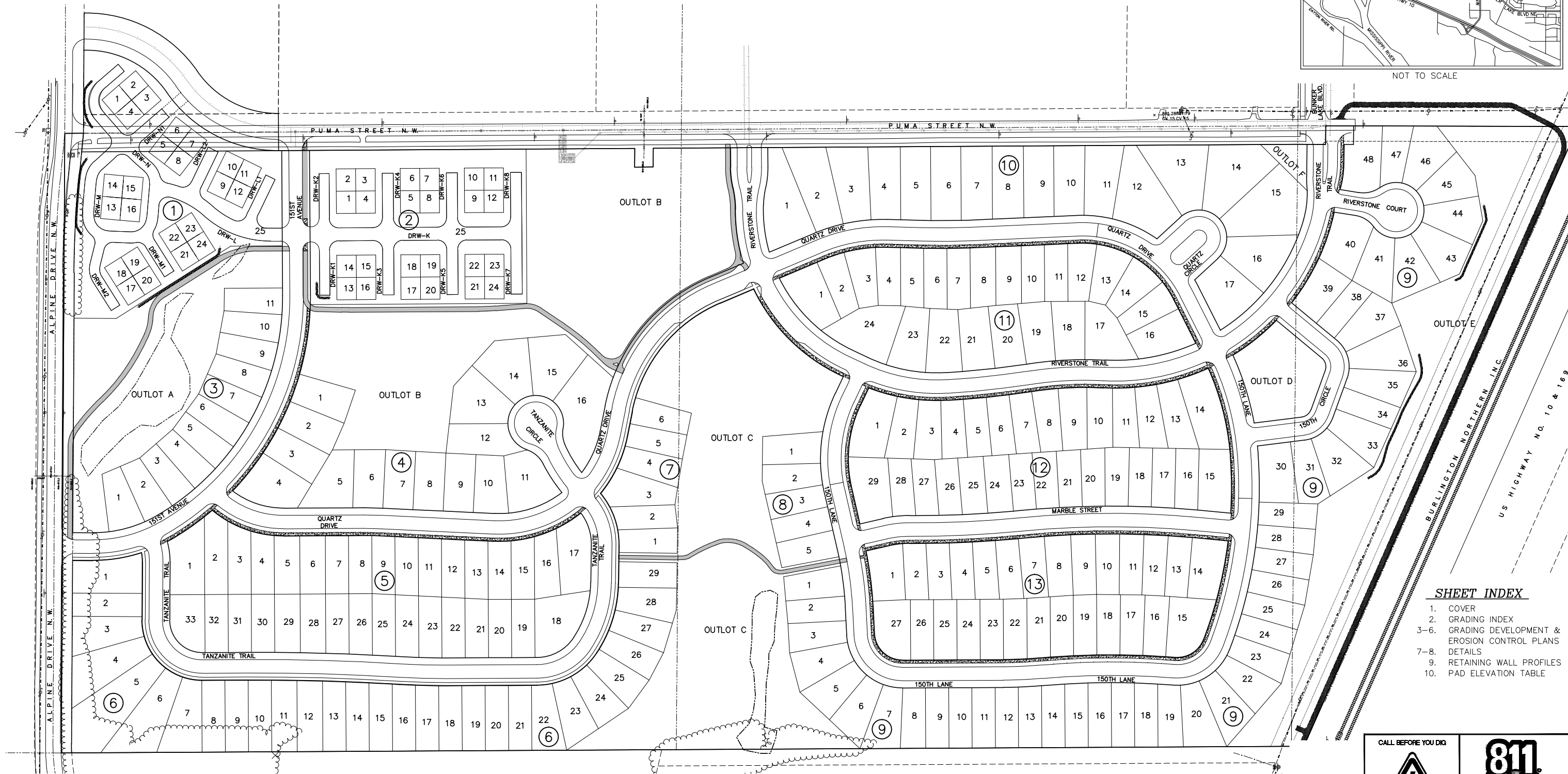
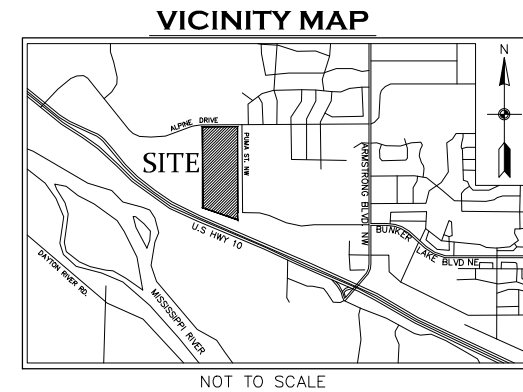


# RIVERSTONE

## GRADING, DEVELOPMENT & EROSION CONTROL PLANS

### RAMSEY, MINNESOTA

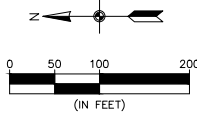


**SHEET INDEX**

1. COVER
2. GRADING INDEX
- 3-6. GRADING DEVELOPMENT & EROSION CONTROL PLANS
- 7-8. DETAILS
9. RETAINING WALL PROFILES
10. PAD ELEVATION TABLE

**BENCHMARK**

1. Anoka County Benchmark No. 3076  
Elev = 890.186 (NAVD 88)
2. Anoka County Benchmark No. 2078  
Elev = 899.499 (NAVD 88)



CALL BEFORE YOU DIG

Know what's below.  
Call before you dig.

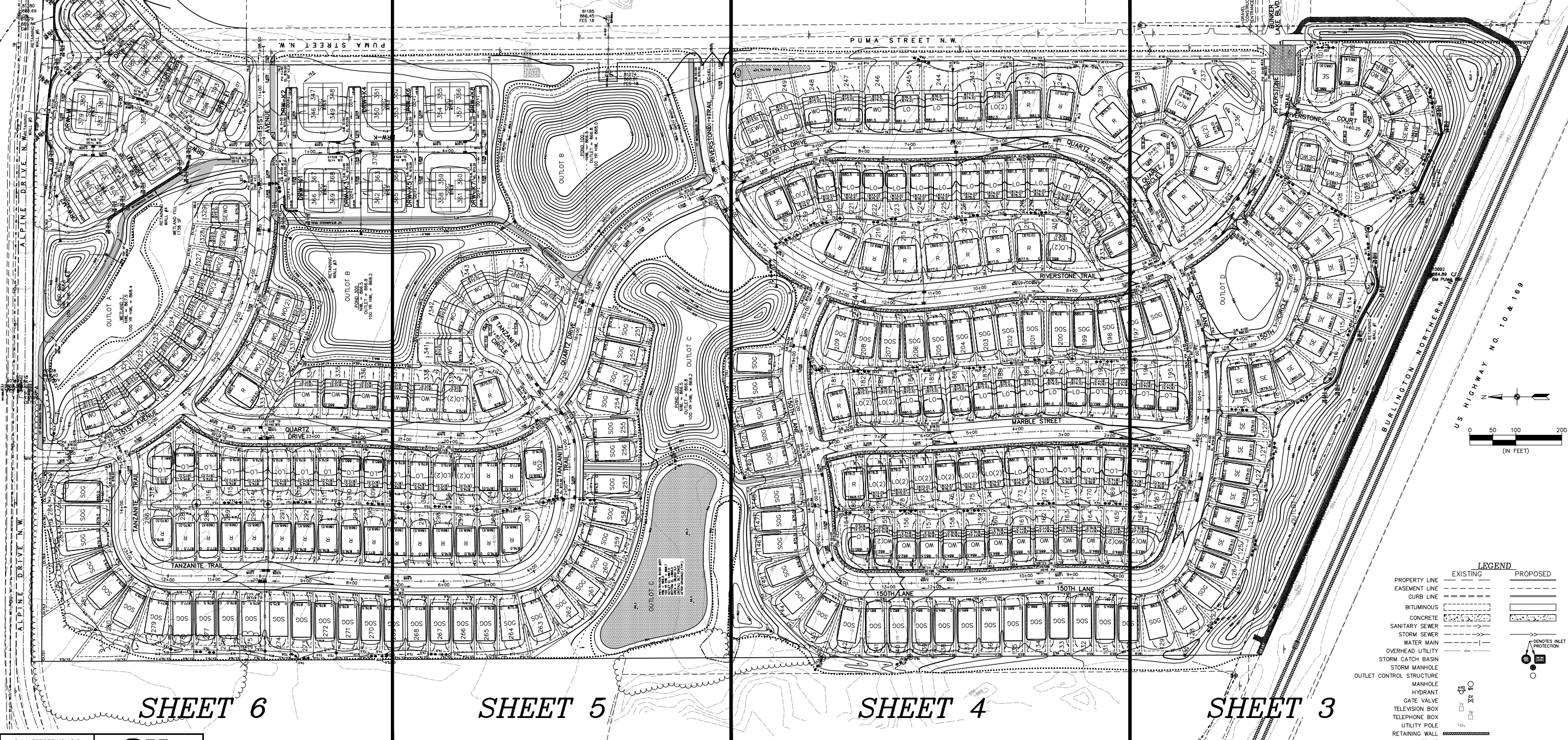
The subsurface utility information shown on this plan is utility Quality Level D. This quality level was determined according to the guidelines of G/ASCE 38-02, entitled "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data."

SHEET 6

SHEET 5

SHEET 4

SHEET 3

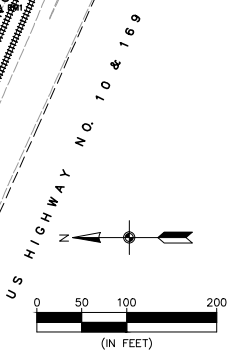


SHEET 6

SHEET 5

SHEET 4

SHEET 3



**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	---	---
GRADING LIMITS	---	---
TREELINE	---	---
SOIL BORING	---	---

**WETLAND SUMMARY**

WETLAND FILL = 1738 SF

NOTE: WETLAND FILL TOTAL IS LESS THAN THE MINIMUMS AMOUNT; NO WETLAND REPLACEMENT WILL BE REQUIRED

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 CI/ASCE 38-02, entitled "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data."

**Carlson McCain**

- environmental
- engineering
- surveying

3890 Pleasant Ridge Drive NE, Suite 100  
Blaine, MN 55449  
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: 6/23/17 License #: 25063

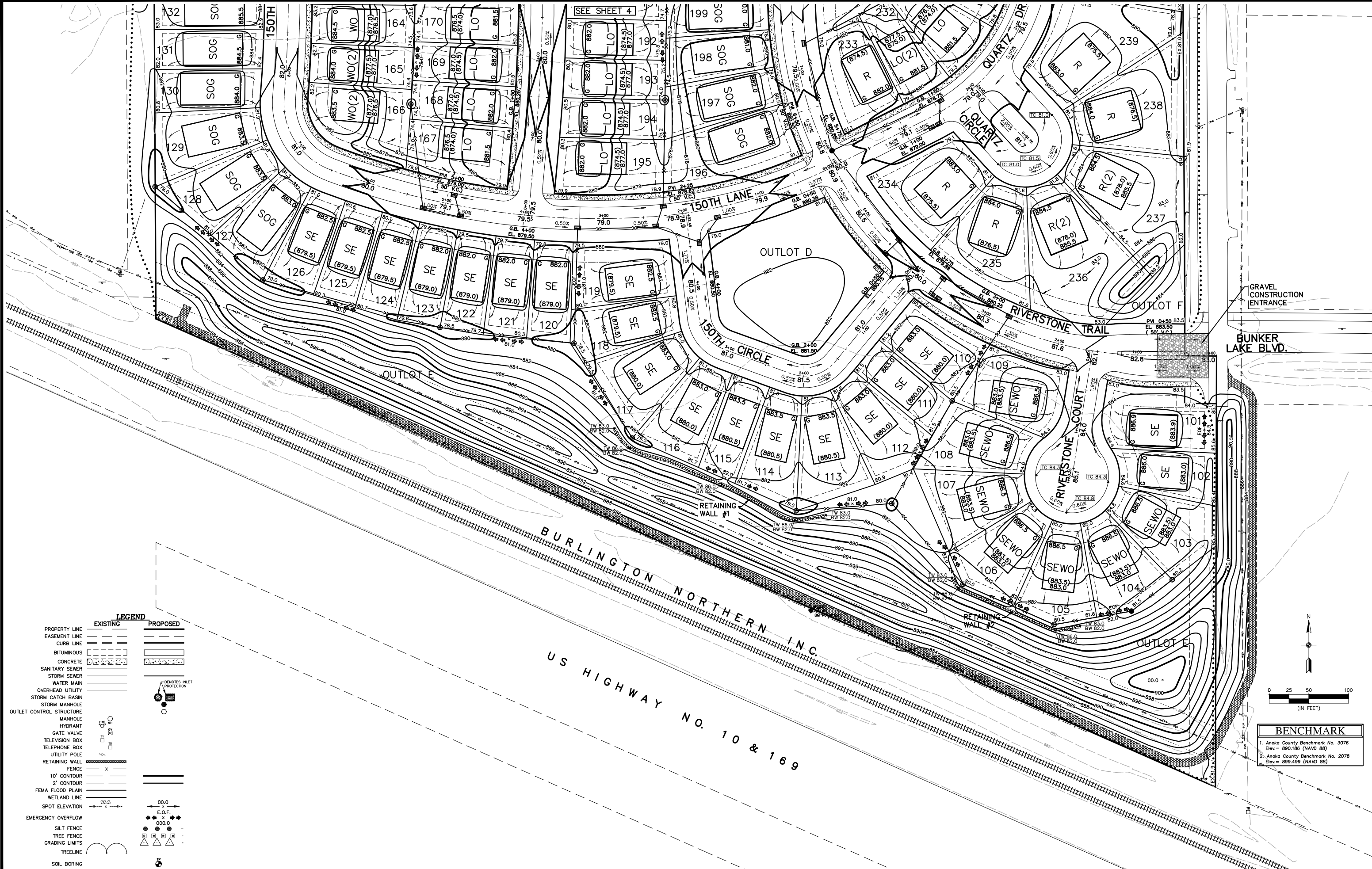
Drawn: LC  
Designed: BJK  
Date: 6/23/17

Revisions:

**RIVERSTONE DEVELOPMENT, LLC.**  
14015 Sunfish Lake B, Suite 400  
Ramsey, MN 55303

**RIVERSTONE**  
Ramsey, MN

**GRADING INDEX**

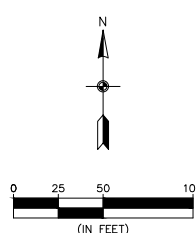


GRAVEL CONSTRUCTION ENTRANCE

BUNKER LAKE BLVD.

**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	---	---
GRADING LIMITS	---	---
TREELINE	---	---
SOIL BORING	---	---



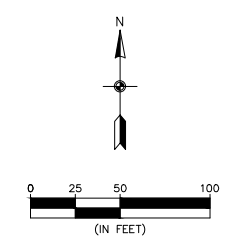
**BENCHMARK**

- Anoka County Benchmark No. 3076  
Elev.= 890.186 (NAVD 88)
- Anoka County Benchmark No. 2078  
Elev.= 899.499 (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	---
GRADING LIMITS	---
TREELINE	---
SOIL BORING	---



**BENCHMARK**

- Anoka County Benchmark No. 3078  
Elev = 890.186 (NAVD 88)
- Anoka County Benchmark No. 2078  
Elev = 899.499 (NAVD 88)

NWL = 866.5  
OUTLET = 866.8  
100 YR HWL = 869.2 OUTLOT C

SEE SHEET 5

SEE SHEET 3

**Carlson McCain**  
 • environmental engineering  
 • surveying  
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 Blaine, MN 55449  
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 Date: 6/23/17 License #: 25063

Print Name: Brian J. Krystofak, P.E.  
 Drawn: LC  
 Revisions: 1.  
 Designed: BJK  
 Date: 6/23/17

**RIVERSTONE DEVELOPMENT, LLC.**  
 14015 Sunfish Lake B, Suite 400  
 Ramsey, MN 55303

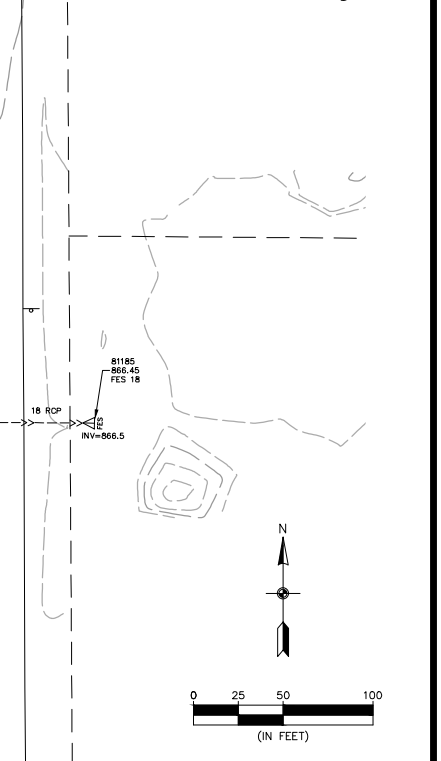
**RIVERSTONE**  
 Ramsey, MN

**GRADING, DEVELOPMENT & EROSION CONTROL PLAN**



**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 PLAN	---	---
WETLAND LINE	---	---
SPOT ELEVATION	---	---
EMERGENCY OVERTFLOW	---	---
SILT FENCE	---	---
TREE FENCE	---	---
GRADING LIMITS	---	---
TREELINE	---	---
SOIL BORING	---	---



**BENCHMARK**

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Elev. = 890.186 (NAVD 88)
- Anoka County Benchmark No. 2078  
Elev. = 899.499 (NAVD 88)

**OUTLET C**  
INFILTRATION BASIN #201  
NWL = 866.5  
100 YR HWL = 868.7  
OUTLET EL = 867.0  
BOTTOM EL = 866.0  
AREA = 38,950 S.F.  
(INSTALL SILT FENCE AFTER GRADING) (TYP.)

**POND 200**  
NWL = 866.5  
OUTLET = 866.8  
100 YR HWL = 869.2

**OUTLET B**  
POND 100  
NWL = 866.5  
OUTLET = 866.8  
100 YR HWL = 868.0

**OUTLET B**  
POND 300  
NWL = 866.5  
OUTLET = 866.8  
100 YR HWL = 868.2



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Revisions:  
1.

**RIVERSTONE DEVELOPMENT, LLC.**  
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Ramsey, MN 55303

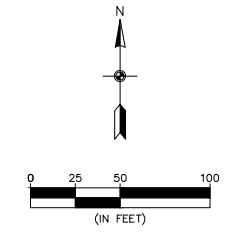
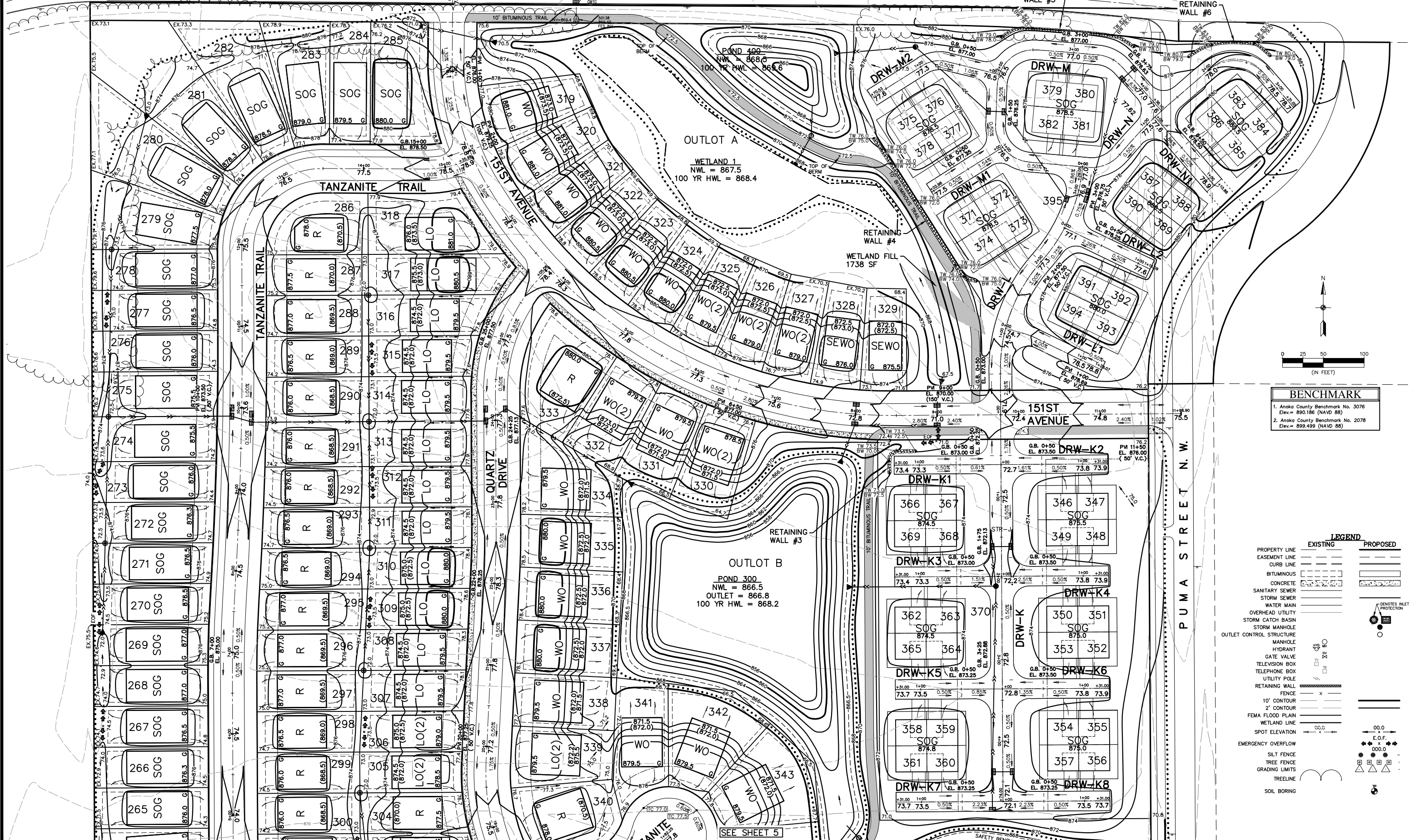
**RIVERSTONE**  
Ramsey, MN

**GRADING, DEVELOPMENT & EROSION CONTROL PLAN**

ALPINE DRIVE N.W.

ALPINE DRIVE N.W. RETAINING WALL #5

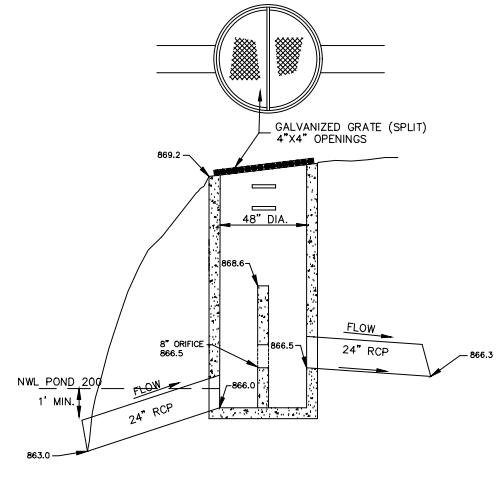
RETAINING WALL #6



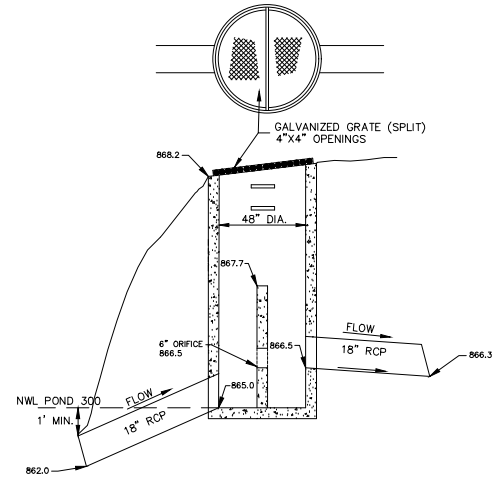
BENCHMARK	
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LEGEND	
EXISTING	PROPOSED
PROPERTY LINE	---
EASEMENT LINE	---
CURB LINE	---
BITUMINOUS	---
CONCRETE	---
SANITARY SEWER	---
STORM SEWER	---
WATER MAIN	---
OVERHEAD UTILITY	---
STORM CATCH BASIN	---
STORM MANHOLE	---
OUTLET CONTROL STRUCTURE	---
MANHOLE	---
HYDRANT	---
GATE VALVE	---
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	---
GRADING LIMITS	---
TREELINE	---
SOIL BORING	---

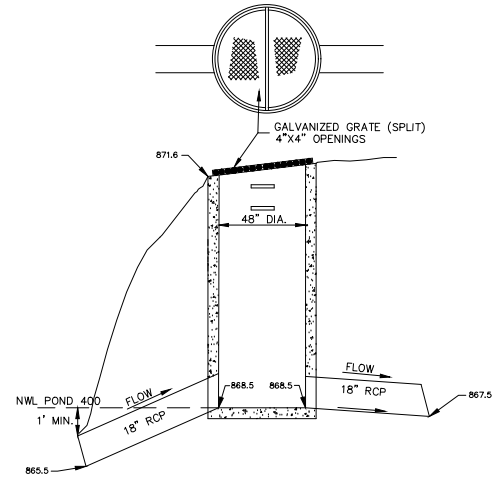
**OUTLET CONTROL STRUCTURE POND 200**



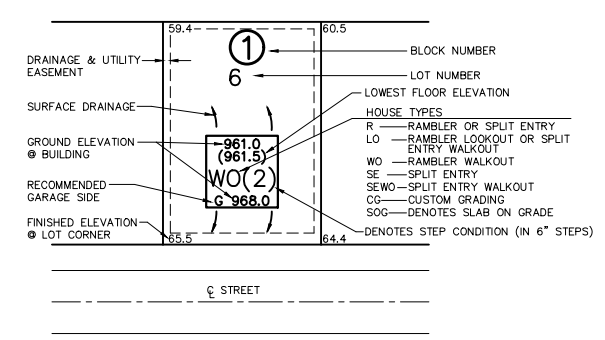
**OUTLET CONTROL STRUCTURE POND 300**



**OUTLET CONTROL STRUCTURE POND 400**



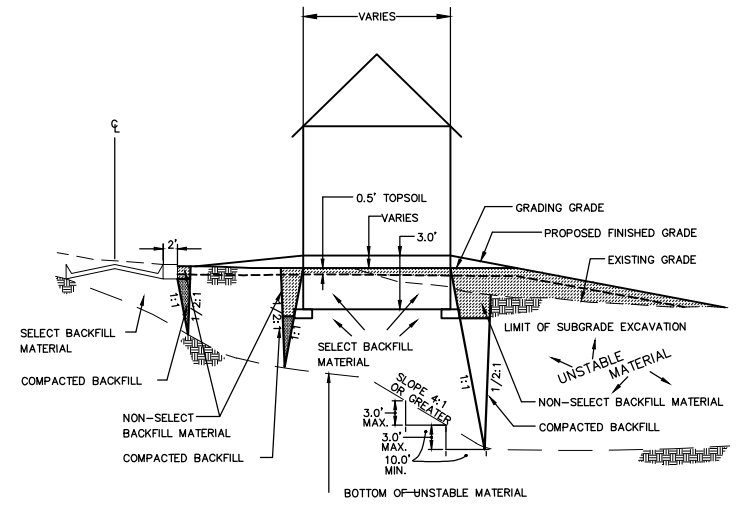
**GRADING PLAN LOT KEY**



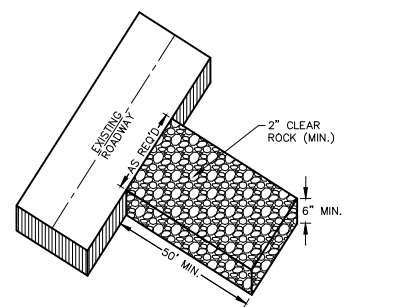
**LEGEND**

	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	---	---
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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	---	---

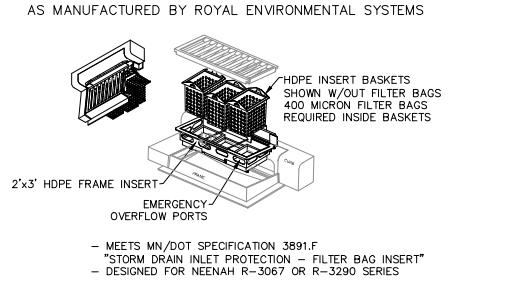
**SUBGRADE CORRECTION**



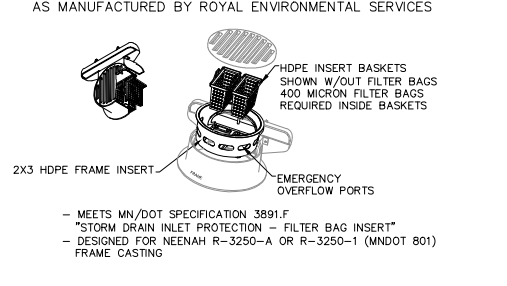
**ROCK CONSTRUCTION ENTRANCE**



**INFRASAFE - 2'x3' DEBRIS COLLECTION DEVICE**



**INFRASAFE - 27" DEBRIS COLLECTION DEVICE**



**TABLE A  
MODIFIED CLASS 5  
SPECIFICATIONS**

% PASSING

1"	100
3/4"	90 - 100
3/8"	50 - 80
No.4	35 - 70
No.10	20 - 60
No.40	10 - 35
No.200	5 - 10

NOTES:  
1. THE AGGREGATE BASE CONSTRUCTION WILL BE ACCEPTED FOR PAYMENT IN ACCORDANCE WITH THE PROVISIONS IN TABLE A.  
2. IF THE AGGREGATE BASE FAILS TO MEET THE REQUIREMENTS OF TABLE A THE MATERIAL CAN BE CORRECTED IN PLACE OR REMOVED AND REPLACED WITH MATERIAL THAT MEET THE REQUIREMENTS OF TABLE A.  
3. IN THE EVENT THAT RECYCLED MATERIAL IS USE IT MUST MEET MNDOT REQUIREMENTS FOR RECYCLED BASE.

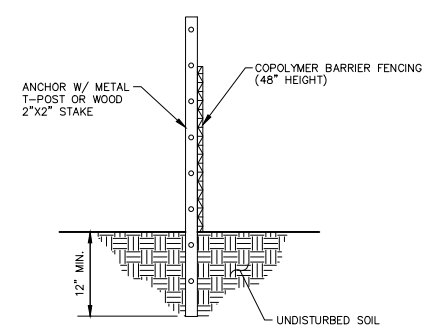
APPROVED: 2 - 2003

City of RAMSEY

STANDARD DETAILS:  
MODIFIED CLASS 5  
SPECIFICATIONS

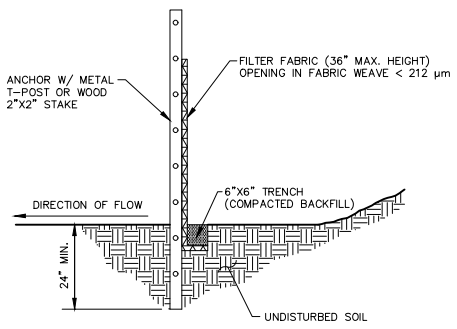
CITY PLATE No. STR-26

**TREE FENCE**



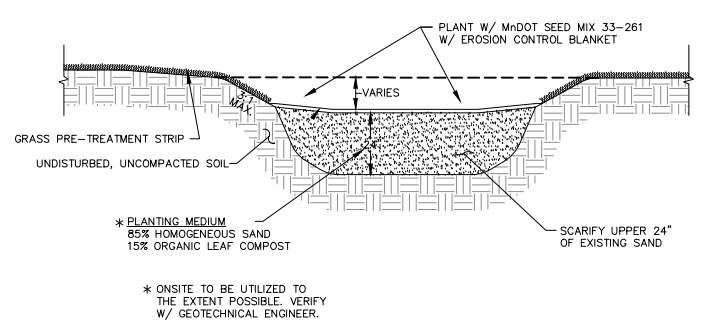
- NOTES:
- TREE FENCING SHALL BE PLACED A MINIMUM OF 1 FOOT PER CALIPER INCH OF TREE DIAMETER FROM TREE(S) THAT IS/ARE TO BE SAVED.
  - ANCHOR POST MAY BE SPACED UP TO 10 FEET APART.
  - SECURELY ATTACH TREE FENCE TO ANCHOR POSTS W/ MINIMUM OF TWO ATTACHMENTS PER POST.
  - SEE MNDOT SPECIFICATION 2572.

**SILT FENCE**

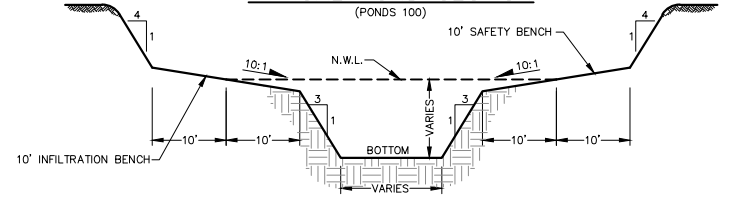


- NOTES:
- DIG A 6"x6" TRENCH ALONG THE INTENDED SILT FENCE LINE.
  - DRIVE ALL ANCHOR POSTS INTO THE GROUND AT THE DOWNHILL SIDE OF THE TRENCH.
  - POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART.
  - LAY OUT SILT FENCE ALONG THE UPHILL SIDE OF THE ANCHOR POSTS AND BACK FILL 6"x6" TRENCH.
  - SECURELY ATTACH SILT FENCE TO ANCHOR POSTS W/ MINIMUM OF THREE ATTACHMENTS PER POST.
  - SEE MNDOT SPECIFICATIONS 2573 & 3886.

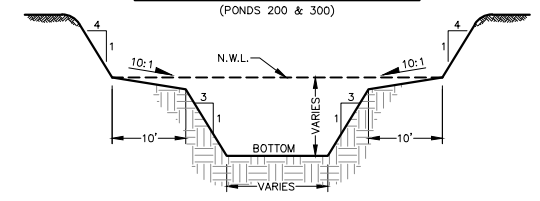
**INFILTRATION BASIN**



**TYPICAL POND SECTION (PONDS 100)**



**TYPICAL POND SECTION (PONDS 200 & 300)**



**TURF ESTABLISHMENT**

TURF ESTABLISHMENT SHALL APPLY TO ALL DISTURBED AREAS AND SHALL BE ACCORDING TO MNDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION (LATEST EDITION) EXCEPT AS MODIFIED BELOW.

TURF ESTABLISHMENT SHALL OCCUR AS SOON AS POSSIBLE BUT IN NO CASE MORE THAN 7 DAYS.

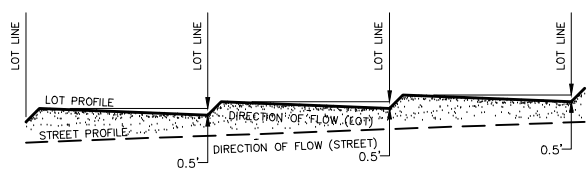
SEED: MNDOT MIXTURE 25-141 AT 60 POUNDS PER ACRE.

DORMANT SEED: SHALL BE APPLIED AT TWICE THE NORMAL RATE AFTER NOVEMBER 1ST.

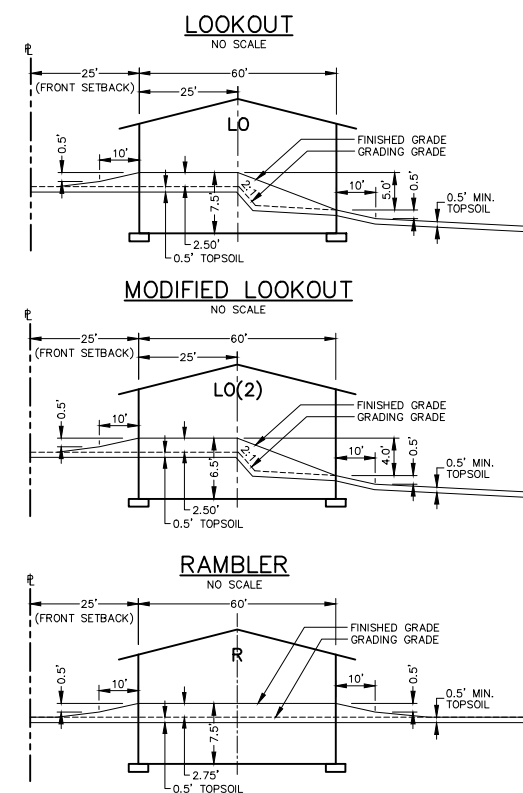
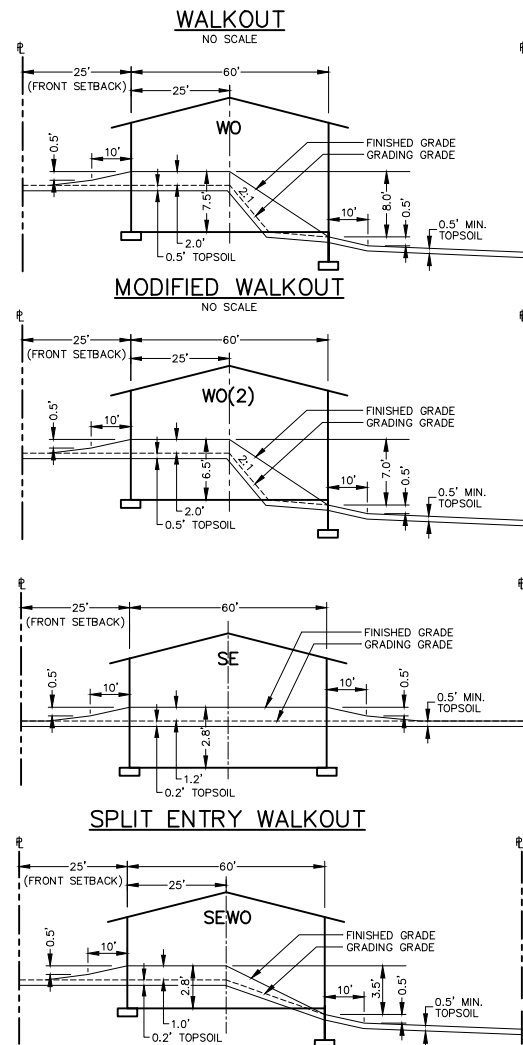
MULCH: TYPE 1 AT 2 TONS PER ACRE (DISK ANCHORED).

FERTILIZER: TYPE 1 10-10-10 AT 200 POUNDS PER ACRE.

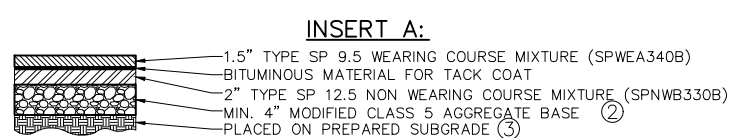
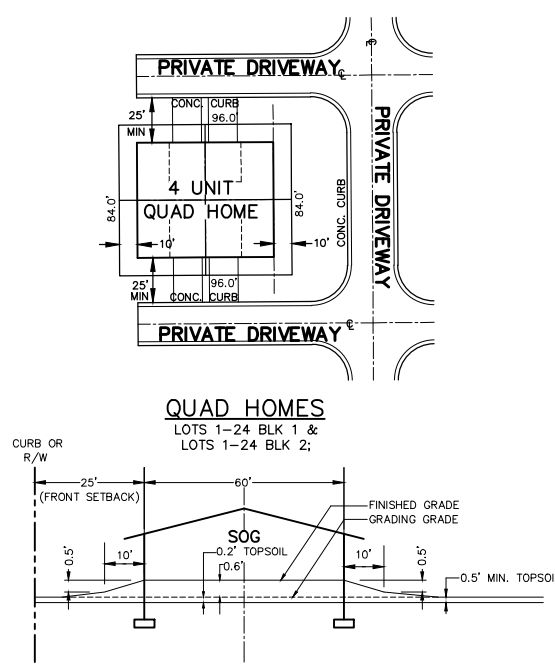
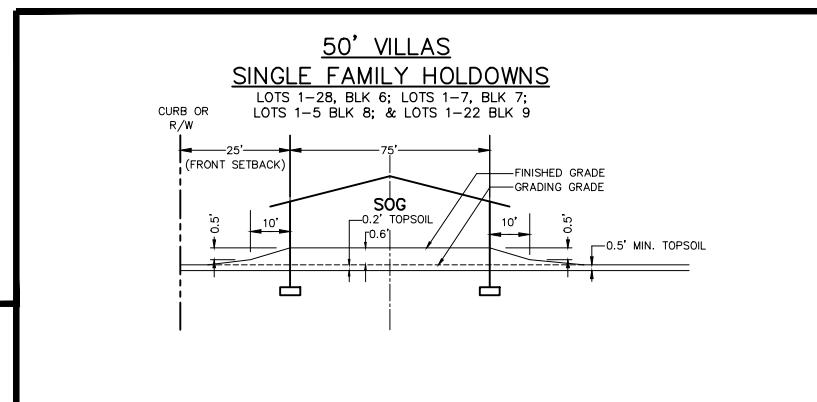
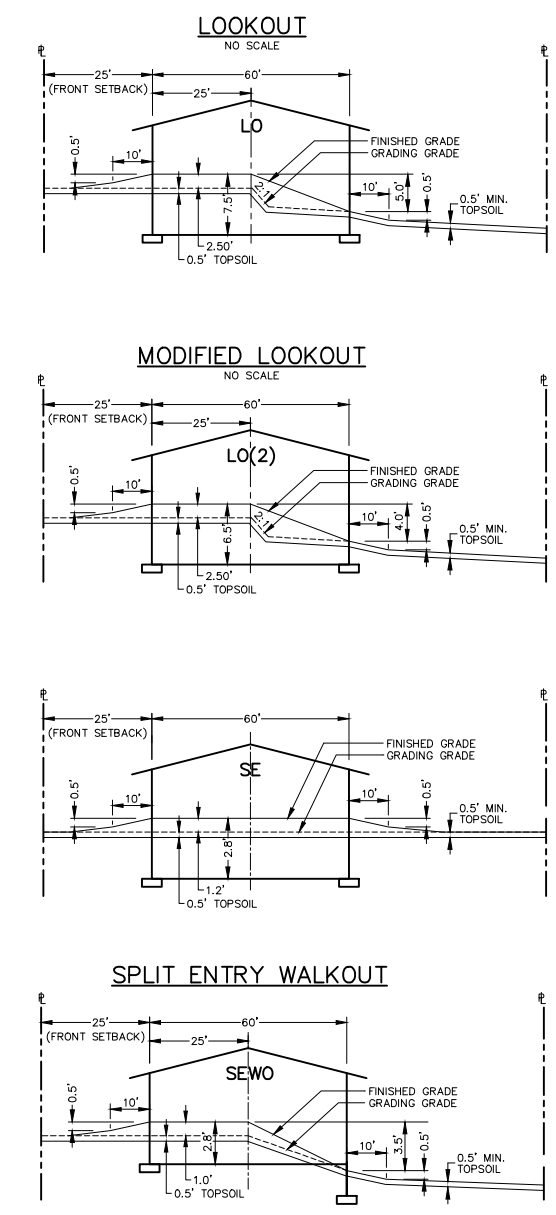
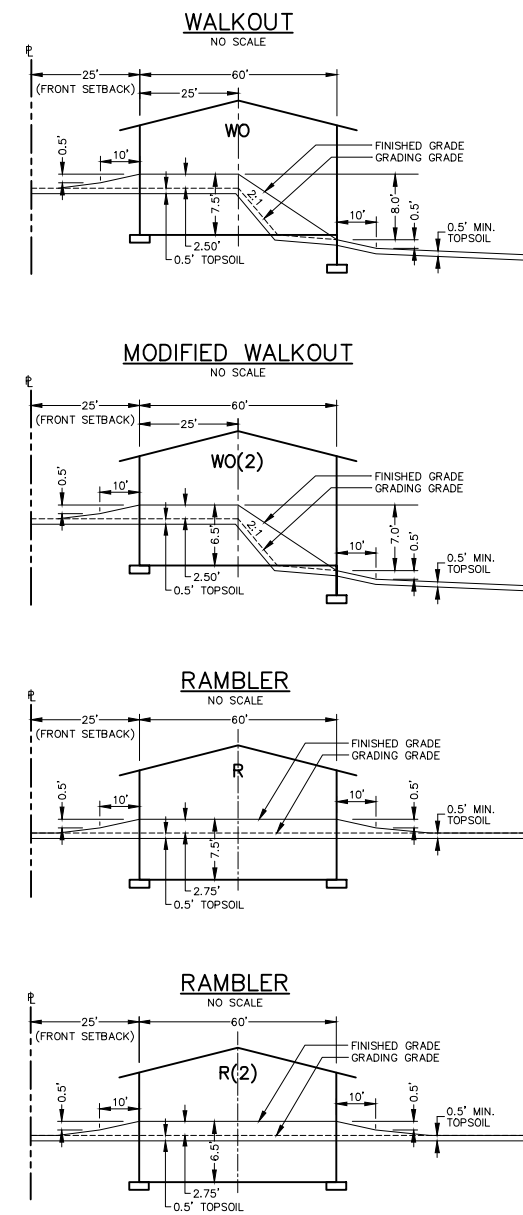
**LOT BENCHING DETAIL**



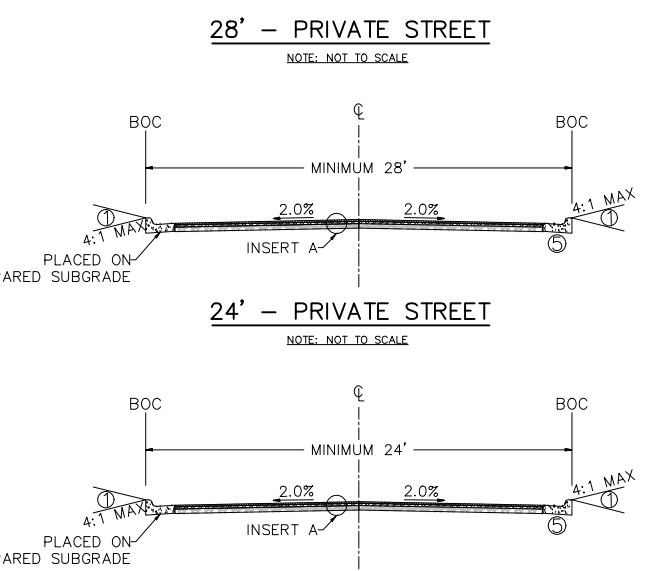
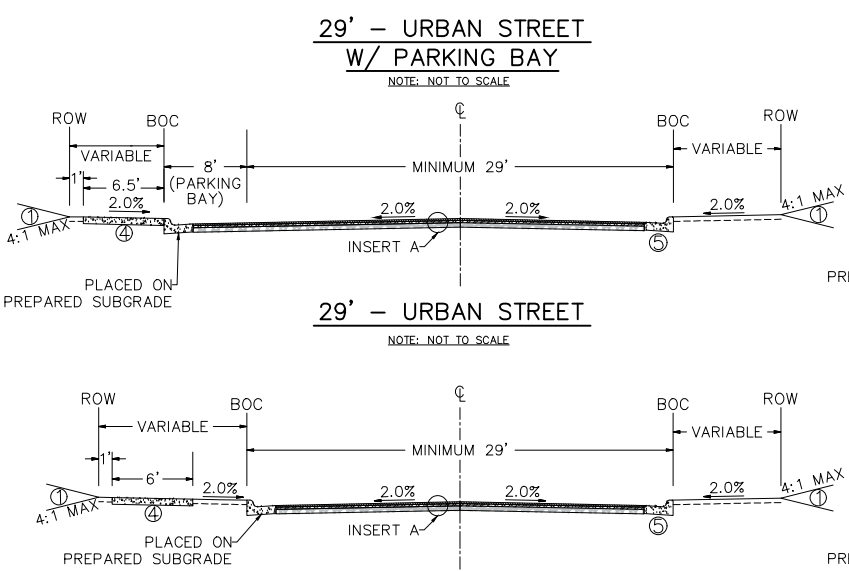
65' LOTS



50' LOTS



- REFERENCE NOTES:
- GRADE TO MATCH EXISTING SURFACE MINIMUM 4" COMMON TOPSOIL BORROW IN BOULEVARDS. SEE CITY PLATE No. ERO-6
  - CLASS 5 GRADATION IS MODIFIED PER CITY PLATE No. STR-26
  - CONTRACTOR SHALL SCARIFY AND COMPACT, ACCORDING TO THE SPECIFIED DENSITY METHOD, THE TOP 12 INCHES OF MATERIAL PRIOR TO PLACING ANY FILL MATERIALS OR CLASS 5 AGGREGATE BASE.
  - ALL SIDEWALKS SHALL BE 6" THICK, 6' WIDE, PLACED ON PREPARED SUBGRADE.
  - CONCRETE CURB AND GUTTER PER PLAN. SEE CITY PLATE No. STR-1.





Lot	House Type	Garage Floor Elevation	Proposed Lowest Floor Elevation	Lowest opening Elevation	EOF	100 Year	Water Table	Controlling Elevation		Method
								LF	LO	
101	SE	886.9	883.9	886.9	884.5	-	864.7	-	885.5	EOF
102	SE	886.8	883.8	886.8	882.0	-	864.7	-	883.0	EOF
103	SEWO	887.2	884.2	884.2	882.0	-	864.7	-	883.0	EOF
104	SEWO	887.4	884.4	884.4	882.0	-	864.7	-	883.0	EOF
105	SEWO	886.5	883.5	883.5	882.0	-	864.7	-	883.0	EOF
106	SEWO	887.0	884.0	884.0	882.0	-	864.7	-	883.0	EOF
107	SEWO	886.1	883.1	883.1	882.0	-	864.7	-	883.0	EOF
108	SEWO	886.1	883.1	883.1	882.0	-	864.7	-	883.0	EOF
109	SEWO	887.3	884.3	884.3	882.0	-	864.7	-	883.0	EOF
110	SE	883.0	880.0	883.0	882.0	-	864.7	-	883.0	EOF
111	SE	883.0	880.0	883.0	882.0	-	864.7	-	883.0	EOF
112	SE	883.0	880.0	883.0	882.0	-	864.7	-	883.0	EOF
113	SE	883.5	880.5	883.5	882.0	-	864.7	-	883.0	EOF
114	SE	883.5	880.5	883.5	882.0	-	864.7	-	883.0	EOF
115	SE	883.5	880.5	883.5	882.0	-	864.7	-	883.0	EOF
116	SE	883.0	880.0	883.0	881.0	-	864.7	-	882.0	EOF
117	SE	883.0	880.0	883.0	881.0	-	864.7	-	882.0	EOF
118	SE	882.5	879.5	882.5	881.0	-	864.7	-	882.0	EOF
119	SE	882.5	879.5	882.5	881.0	-	864.7	-	882.0	EOF
120	SE	882.0	879.0	882.0	881.0	-	864.7	-	882.0	EOF
121	SE	882.0	879.0	882.0	881.0	-	864.7	-	882.0	EOF
122	SE	882.0	879.0	882.0	881.0	-	864.7	-	882.0	EOF
123	SE	882.0	879.0	882.0	881.0	-	864.7	-	882.0	EOF
124	SE	882.5	879.5	882.5	881.0	-	864.7	-	882.0	EOF
125	SE	882.5	879.5	882.5	881.0	-	864.7	-	882.0	EOF
126	SE	882.5	879.5	882.5	881.0	-	864.7	-	882.0	EOF
127	SOG	883.0	883.0	883.0	881.0	-	864.7	-	882.0	EOF
128	SOG	883.5	883.5	883.5	881.0	-	864.7	-	882.0	EOF
129	SOG	883.5	883.5	883.5	881.0	-	864.7	-	882.0	EOF
130	SOG	884.0	884.0	884.0	881.0	-	864.7	-	882.0	EOF
131	SOG	884.5	884.5	884.5	881.0	-	864.7	-	882.0	EOF
132	SOG	885.0	885.0	885.0	881.0	-	864.7	-	882.0	EOF
133	SOG	886.0	886.0	886.0	881.0	-	864.7	-	882.0	EOF
134	SOG	886.0	886.0	886.0	879.0	-	864.7	-	880.0	EOF
135	SOG	885.5	885.5	885.5	879.0	-	864.7	-	880.0	EOF
136	SOG	885.5	885.5	885.5	879.0	-	864.7	-	880.0	EOF
137	SOG	885.0	885.0	885.0	879.0	-	864.7	-	880.0	EOF
138	SOG	884.5	884.5	884.5	879.0	-	864.7	-	880.0	EOF
139	SOG	884.0	884.0	884.0	879.0	-	864.7	-	880.0	EOF
140	SOG	882.5	882.5	882.5	879.0	-	864.7	-	880.0	EOF
141	SOG	881.0	881.0	881.0	873.0	-	864.7	-	874.0	EOF
142	SOG	879.5	879.5	879.5	873.0	-	864.7	-	874.0	EOF
143	SOG	878.5	878.5	878.5	-	869.2	864.7	871.2	-	100 YR
144	SOG	877.5	877.5	877.5	-	869.2	864.7	871.2	-	100 YR
145	SOG	876.0	876.0	876.0	-	869.2	864.7	871.2	-	100 YR
146	SOG	875.5	875.5	875.5	-	869.2	864.7	871.2	-	100 YR
147	SOG	875.0	875.0	875.0	-	869.2	864.7	871.2	-	100 YR
148	SOG	875.0	875.0	875.0	-	869.2	864.7	871.2	-	100 YR
149	SOG	875.0	875.0	875.0	-	869.2	864.7	871.2	-	100 YR
150	SOG	875.0	875.0	875.0	-	869.2	864.7	871.2	-	100 YR
151	SOG	875.0	875.0	875.0	-	869.2	864.7	871.2	-	100 YR
152	SOG	875.0	875.0	875.0	-	869.2	864.7	871.2	-	100 YR
153	SOG	874.5	874.5	874.5	-	869.2	864.7	871.2	-	100 YR
154	LO	880.0	872.5	875.0	873.5	-	864.7	-	874.5	EOF
155	WO(2)	882.0	875.5	875.5	873.5	-	864.7	-	874.5	EOF
156	WO	882.5	875.0	875.0	874.0	-	864.7	-	875.0	EOF
157	WO	883.5	876.0	876.0	874.0	-	864.7	-	875.0	EOF
158	WO	884.0	876.5	876.5	874.0	-	864.7	-	875.0	EOF
159	WO	884.5	877.0	877.0	875.0	-	864.7	-	876.0	EOF
160	WO	884.5	877.0	877.0	875.0	-	864.7	-	876.0	EOF
161	WO	885.0	877.5	877.5	875.0	-	864.7	-	876.0	EOF
162	WO	885.0	877.5	877.5	875.0	-	864.7	-	876.0	EOF
163	WO	884.5	877.0	877.0	875.0	-	864.7	-	876.0	EOF
164	WO	884.5	877.0	877.0	875.0	-	864.7	-	876.0	EOF
165	WO(2)	884.0	877.5	877.5	875.0	-	864.7	-	876.0	EOF
166	WO(2)	883.5	877.0	877.0	875.0	-	864.7	-	876.0	EOF
167	LO	881.5	874.0	876.5	875.0	-	864.7	-	876.0	EOF
168	LO	882.0	874.5	877.0	875.0	-	864.7	-	876.0	EOF
169	LO	882.0	874.5	877.0	875.0	-	864.7	-	876.0	EOF
170	LO	881.5	874.0	876.5	875.0	-	864.7	-	876.0	EOF
171	LO	881.5	874.0	876.5	875.0	-	864.7	-	876.0	EOF
172	LO	881.0	873.5	876.0	875.0	-	864.7	-	876.0	EOF
173	LO	881.0	873.5	876.0	875.0	-	864.7	-	876.0	EOF
174	LO(2)	880.5	874.0	876.5	875.0	-	864.7	-	876.0	EOF
175	LO(2)	880.5	874.0	876.5	875.0	-	864.7	-	876.0	EOF
176	LO(2)	880.0	873.5	876.0	874.0	-	864.7	-	875.0	EOF
177	LO(2)	879.5	873.0	875.5	874.0	-	864.7	-	875.0	EOF
178	LO(2)	879.0	872.5	875.0	874.0	-	864.7	-	875.0	EOF
179	LO(2)	878.5	872.0	874.5	873.5	-	864.7	-	874.5	EOF
180	R	876.0	868.5	876.0	873.5	-	864.7	-	874.5	EOF
181	R	876.5	869.0	876.5	872.5	-	864.7	-	873.5	EOF
182	LO(2)	879.0	872.5	875.0	874.0	-	864.7	-	875.0	EOF

Lot	House Type	Garage Floor Elevation	Proposed Lowest Floor Elevation	Lowest opening Elevation	EOF	100 Year	Water Table	Controlling Elevation		Method
								LF	LO	
183	LO(2)	879.0	872.5	875.0	874.0	-	864.7	-	875.0	EOF
184	LO	880.0	872.5	875.0	874.0	-	864.7	-	875.0	EOF
185	LO	880.5	873.0	875.5	874.0	-	864.7	-	875.0	EOF
186	LO	880.5	873.0	875.5	874.0	-	864.7	-	875.0	EOF
187	LO	881.0	873.5	876.0	875.0	-	864.7	-	876.0	EOF
188	LO	881.0	873.5	876.0	875.0	-	864.7	-	876.0	EOF
189	LO	881.5	874.0	876.5	875.0	-	864.7	-	876.0	EOF
190	LO	881.5	874.0	876.5	875.5	-	864.7	-	876.5	EOF
191	LO	882.0	874.5	877.0	875.5	-	864.7	-	876.5	EOF
192	LO	882.0	874.5	877.0	875.5	-	864.7	-	876.5	EOF
193	LO	882.0	874.5	877.0	875.5	-	864.7	-	876.5	EOF
194	LO	882.0	874.5	877.0	875.5	-	864.7	-	876.5	EOF
195	LO	882.0	874.5	877.0	875.5	-	864.7	-	876.5	EOF
196	SOG	882.0	882.0	882.0	875.5	-	864.7	-	876.5	EOF
197	SOG	882.0	882.0	882.0	875.5	-	864.7	-	876.5	EOF
198	SOG	881.0	881.0	881.0	875.5	-	864.7	-	876.5	EOF
199	SOG	880.0	880.0	880.0	875.5	-	864.7	-	876.5	EOF
200	SOG	879.0	879.0	879.0	875.5	-	864.7	-	876.5	EOF
201	SOG	878.0	878.0	878.0	875.5	-	864.7	-	876.5	EOF
202	SOG	877.5	877.5	877.5	875.0	-	864.7	-	876.0	EOF
203	SOG	877.0	877.0	877.0	875.0	-	864.7	-	876.0	EOF
204	SOG	877.0	877.0	877.0	875.0	-	864.7	-	876.0	EOF
205	SOG	876.5	876.5	876.5	874.0	-	864.7	-	875.0	EOF
206	SOG	876.5	876.5	876.5	874.0	-	864.7	-	875.0	EOF
207	SOG	876.0	876.0	876.0	874.0	-	864.7	-	875.0	EOF
208	SOG	876.0	876.0	876.0	874.0	-	864.7	-	875.0	EOF
209	SOG	875.5	875.5	875.5	872.5	-	864.7	-	873.5	EOF
210	LO(2)	880.0	872.7	876.0	875.0	-	864.7	-	876.0	EOF
211	R	877.5	870.0	877.5	875.0	-	864.7	-	876.0	EOF
212	R	877.5	870.0	877.5	875.0	-	864.7	-	876.0	EOF
213	R	877.5	870.0	877.5	875.0	-	864.7	-	876.0	EOF
214	R	877.0	869.5	877.0	874.0	-	864.7	-	875.0	EOF
215	R	877.0	869.5	877.0	874.0	-	864.7	-	875.0	EOF
216	R	876.5	869.0	876.5	874.0	-	864.7	-	875.0	EOF
217	R	876.5	869.0	876.5	873.0	-	864.7	-	874.0	EOF
218	SE	876.0	868.5	876.0	873.0	-	864.7	-	874.0	EOF
219	LO(2)	878.5	872.0	874.5	873.0	-	864.7	-	874.0	EOF
220	LO	880.0	872.5	875.0	873.0	-	864.7	-	874.0	EOF
221	LO	880.5	873.0	875.5	873.0	-	864.7	-	874.0	EOF
222	LO	880.5	873.0	875.5	874.0	-	864.7	-	875.0	EOF
223	LO	880.5	873.0	875.5	874.0	-	864.7	-	875.0	EOF
224	LO	881.0	873.5	876.0	874.0	-	864.7	-	875.0	EOF
225	LO	881.0	873.5	876.0	874.0	-	864.7	-	875.0	EOF
226	LO	881.5	874.0	876.5</						