



**DRIVEWAY CULVERT SIZING NOTES**

LOT #	CULVERT SIZE
46	2-18" X 24" ELLIPTICAL CULVERT W/ ENDWALLS
47	2-18" X 24" ELLIPTICAL CULVERT W/ ENDWALLS
69	2-18" X 24" ELLIPTICAL CULVERT W/ ENDWALLS
(UNSPECIFIED LOTS)	15" X 21" ELLIPTICAL CULVERT W/ ENDWALLS

\*ALL CULVERTS SIZED TO PREVENT OVERFLOWING DRIVEWAY DURING 100 YEAR RAIN EVENTS

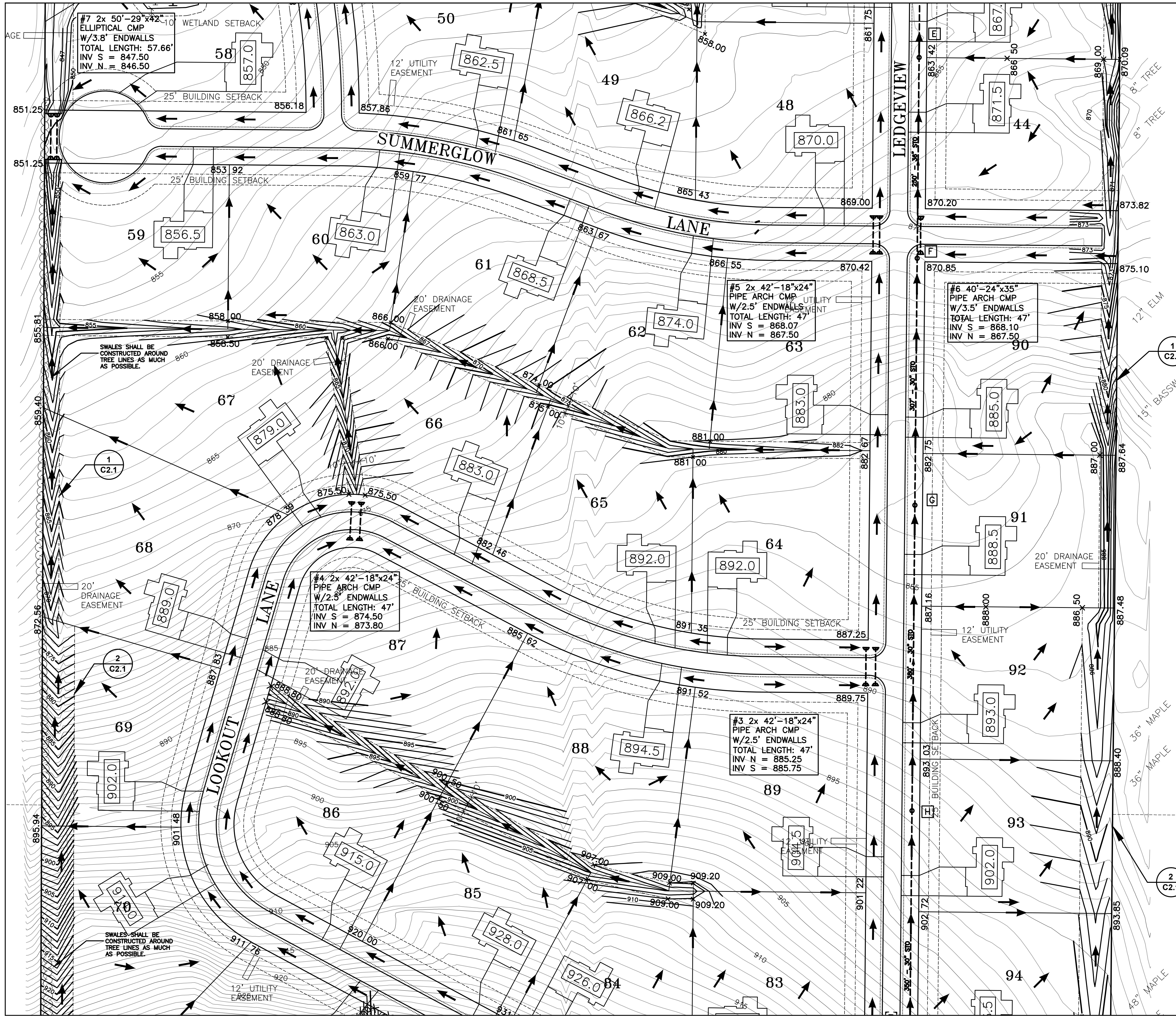
**Martenson & Eisele, Inc.**  
 1377 Midway Road  
 Menasha, WI 54952  
 www.martenson-eisele.com  
 info@martenson-eisele.com  
 920.731.0381 1.800.236.0381

NO.	DATE	NO.	DATE	NO.	DATE
1	04-07-2017	2	06-23-2017	3	06-23-2017
4	12-06-2017				

**DRAINAGE PLAN (NORTH WEST)**  
**GRANDVIEW TERRACE**  
 TOWN OF ELLINGTON, OUTAGAMIE COUNTY, WISCONSIN

SCALE	DATE
BAR SCALE	02-13-2017
COMPUTER FILE	
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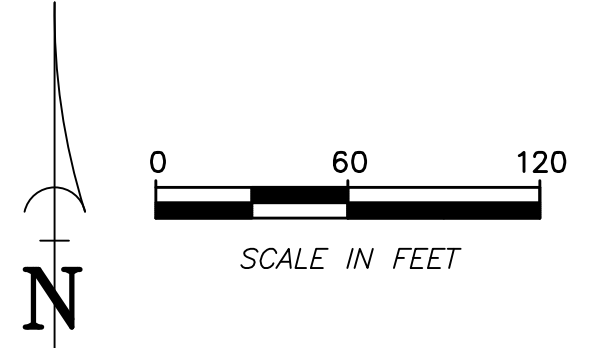
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**C2.2**



**DRIVEWAY CULVERT SIZING NOTES**

LOT #	CULVERT SIZE
63	2-18" X 24" ELLIPTICAL CULVERT W/ ENDWALLS
67	2-18" X 24" ELLIPTICAL CULVERT W/ ENDWALLS
68	2-18" X 24" ELLIPTICAL CULVERT W/ ENDWALLS
69	2-18" X 24" ELLIPTICAL CULVERT W/ ENDWALLS
70	2-18" X 24" ELLIPTICAL CULVERT W/ ENDWALLS
87	2-18" X 24" ELLIPTICAL CULVERT W/ ENDWALLS
89	2-18" X 24" ELLIPTICAL CULVERT W/ ENDWALLS
UNSPECIFIED LOTS	15" X 21" ELLIPTICAL CULVERT W/ ENDWALLS

ALL CULVERTS SIZED TO PREVENT OVERFLOWING DRIVEWAY DURING 100 YEAR RAIN EVENTS



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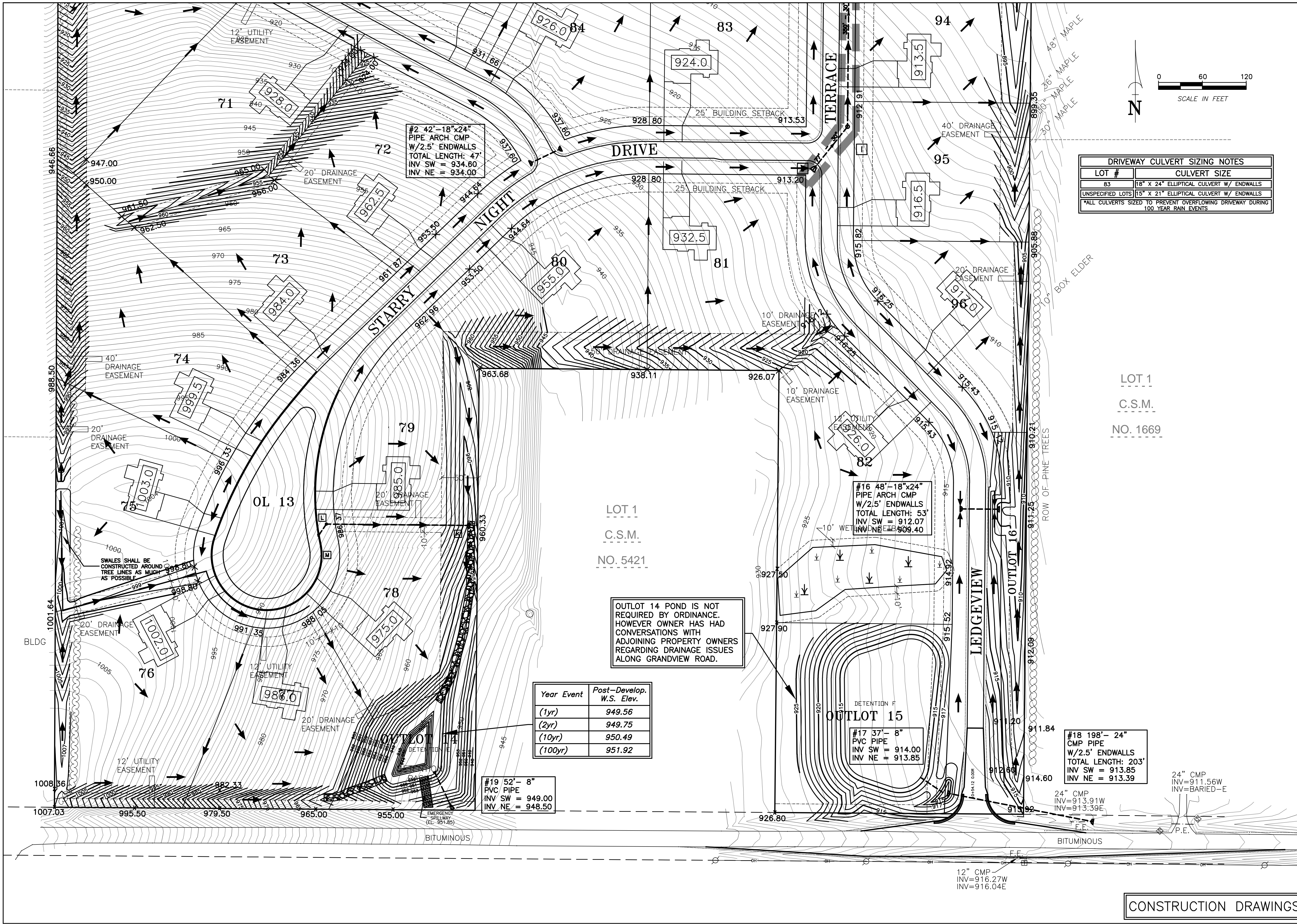
DATE	NO.	DATE	NO.	DATE	NO.
04-07-2017	1	06-07-2017	2		
06-23-2017	3	12-06-2017	4		

**DRAINAGE PLAN (WEST)**  
**GRANDVIEW TERRACE**  
 TOWN OF ELLINGTON, OUTAGAMIE COUNTY, WISCONSIN

SCALE: BAR SCALE  
 DATE: 02-13-2017  
 COMPUTER FILE: V1-0116-009/Design/1-0116-009de

CONSTRUCTION DRAWINGS

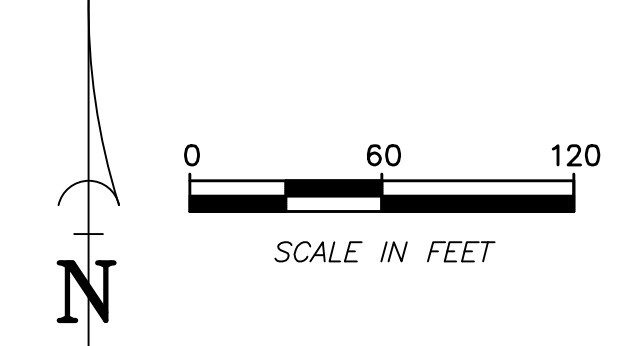
DRAWING NO. C2.3



**DRIVEWAY CULVERT SIZING NOTES**

LOT #	CULVERT SIZE
83	18" X 24" ELLIPTICAL CULVERT W/ ENDWALLS
UNSPECIFIED LOTS	15" X 21" ELLIPTICAL CULVERT W/ ENDWALLS

\*ALL CULVERTS SIZED TO PREVENT OVERFLOWING DRIVEWAY DURING 100-YEAR RAIN EVENTS



Year Event	Post-Develop. W.S. Elev.
(1yr)	949.56
(2yr)	949.75
(10yr)	950.49
(100yr)	951.92

#19 52'-8" PVC PIPE  
 INV SW = 949.00  
 INV NE = 948.50

#17 37'-8" PVC PIPE  
 INV SW = 914.00  
 INV NE = 913.85

#18 198'-24" CMP PIPE  
 W/2.5' ENDWALLS  
 TOTAL LENGTH: 203'  
 INV SW = 913.85  
 INV NE = 913.39

24" CMP  
 INV=911.56W  
 INV=913.39E

12" CMP  
 INV=916.27W  
 INV=916.04E

OUTLOT 14 POND IS NOT REQUIRED BY ORDINANCE. HOWEVER OWNER HAS HAD CONVERSATIONS WITH ADJOINING PROPERTY OWNERS REGARDING DRAINAGE ISSUES ALONG GRANDVIEW ROAD.

SWALES SHALL BE CONSTRUCTED AROUND TREE LINES AS MUCH AS POSSIBLE

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DRAWN BY	CHECKED	APPROVED	FIELDWORK	
			NO.	DATE
CRC	JUR	JWS		
** REFER TO COVER SHEET FOR REVISION DESCRIPTIONS **				
NO.	DATE	NO.	DATE	NO.
1	04-07-2017			
2	06-29-2017			
3	06-29-2017			
4	12-06-2017			

**DRAINAGE PLAN (SOUTH WEST)**  
**GRANDVIEW TERRACE**  
 TOWN OF ELLINGTON, OUTAGAMIE COUNTY, WISCONSIN  
DESIGNER: CLAYTON CRIBB, LLC  
 17 PARK PLACE, SUITE 100  
 ELLINGTON, WI 54924

SCALE	DATE
BAR SCALE	02-13-2017

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**CONSTRUCTION DRAWINGS**

DRAWING NO.  
**C2.4**