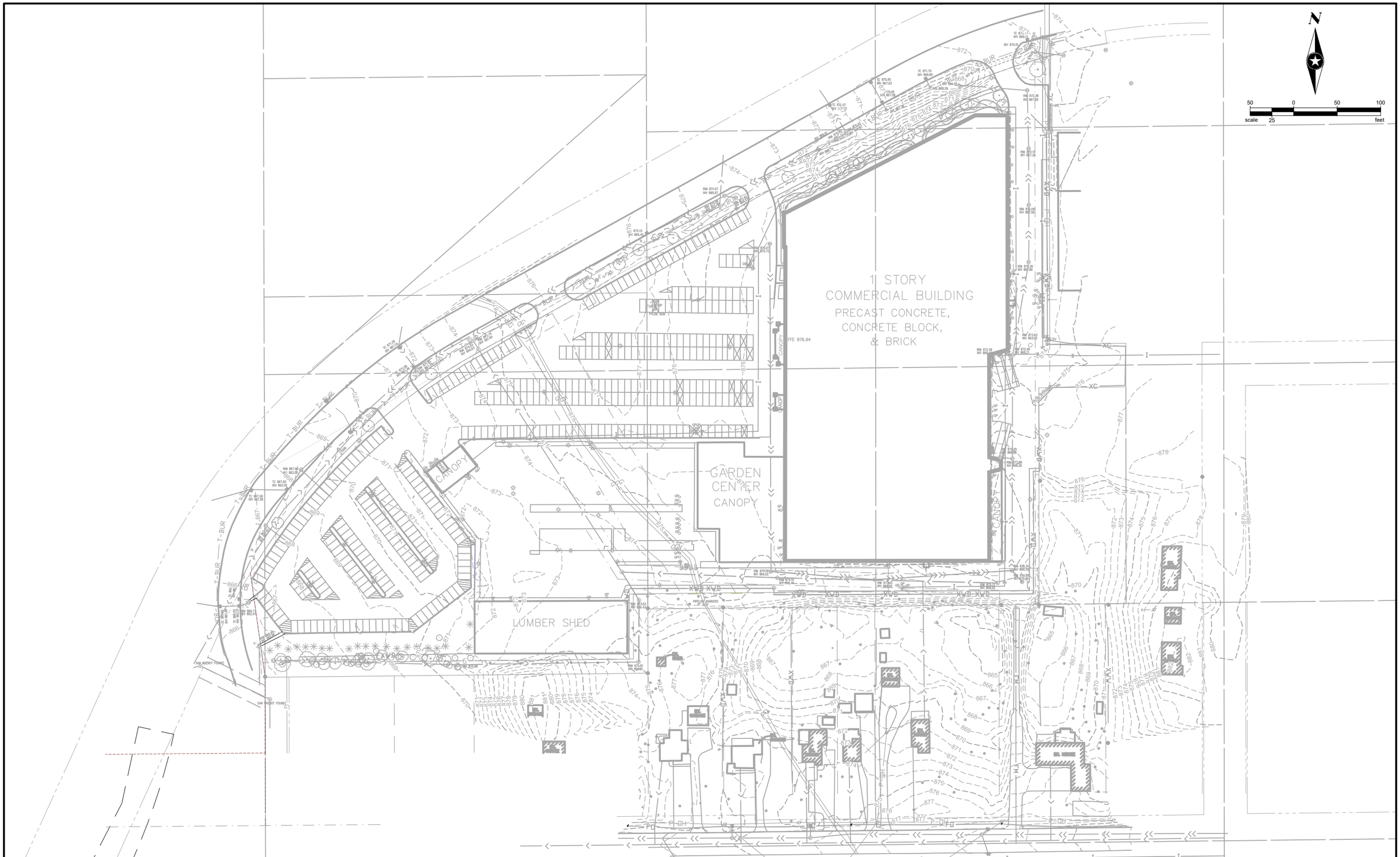

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MAPLEWOOD,
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EXISTING CONDITIONS
MAPLEWOOD SITE DESIGN

FILE NO.
MENAR 147393

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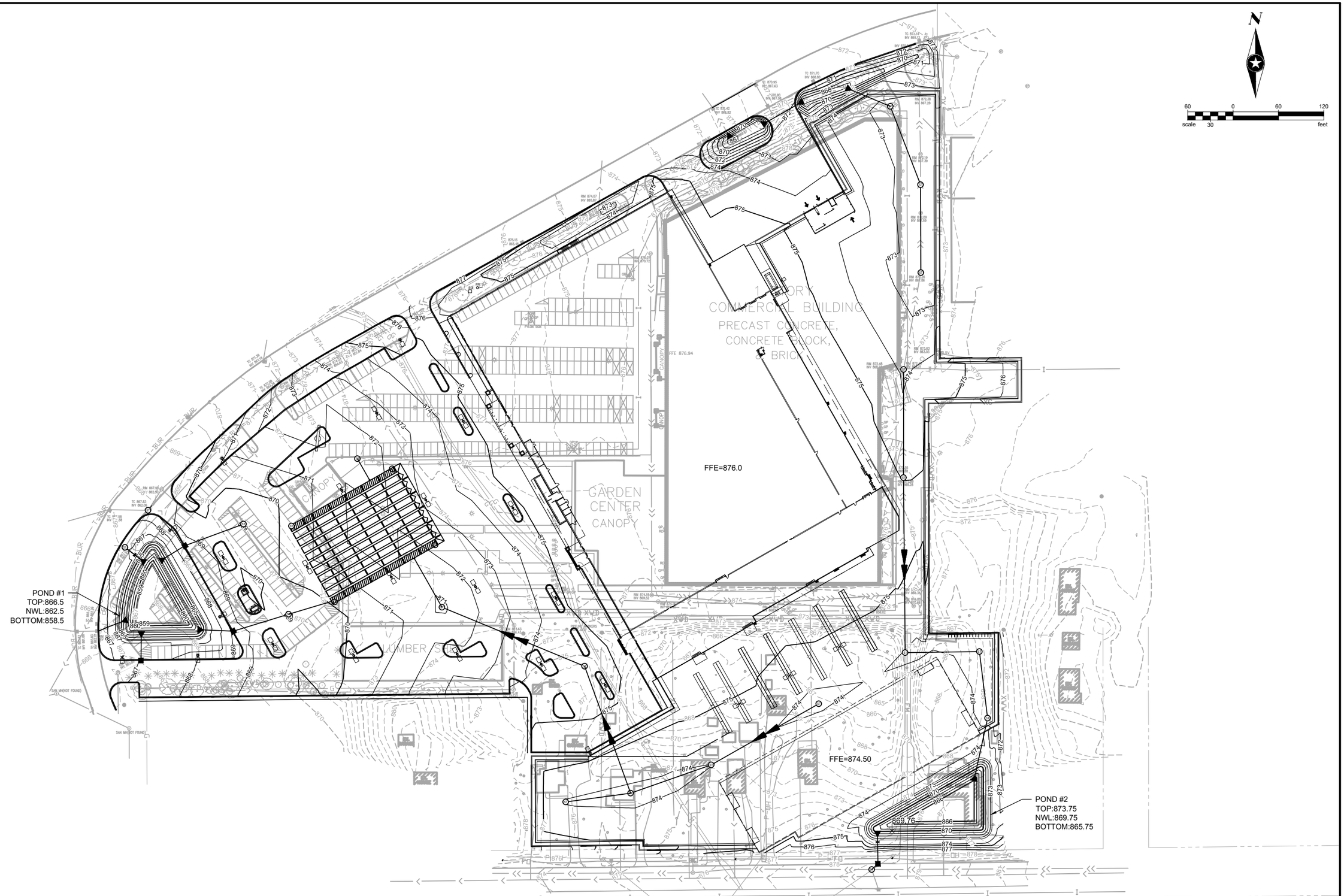

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MAPLEWOOD,
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OVERALL GRADING PLAN
MAPLEWOOD SITE DESIGN

FILE NO.
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2/12

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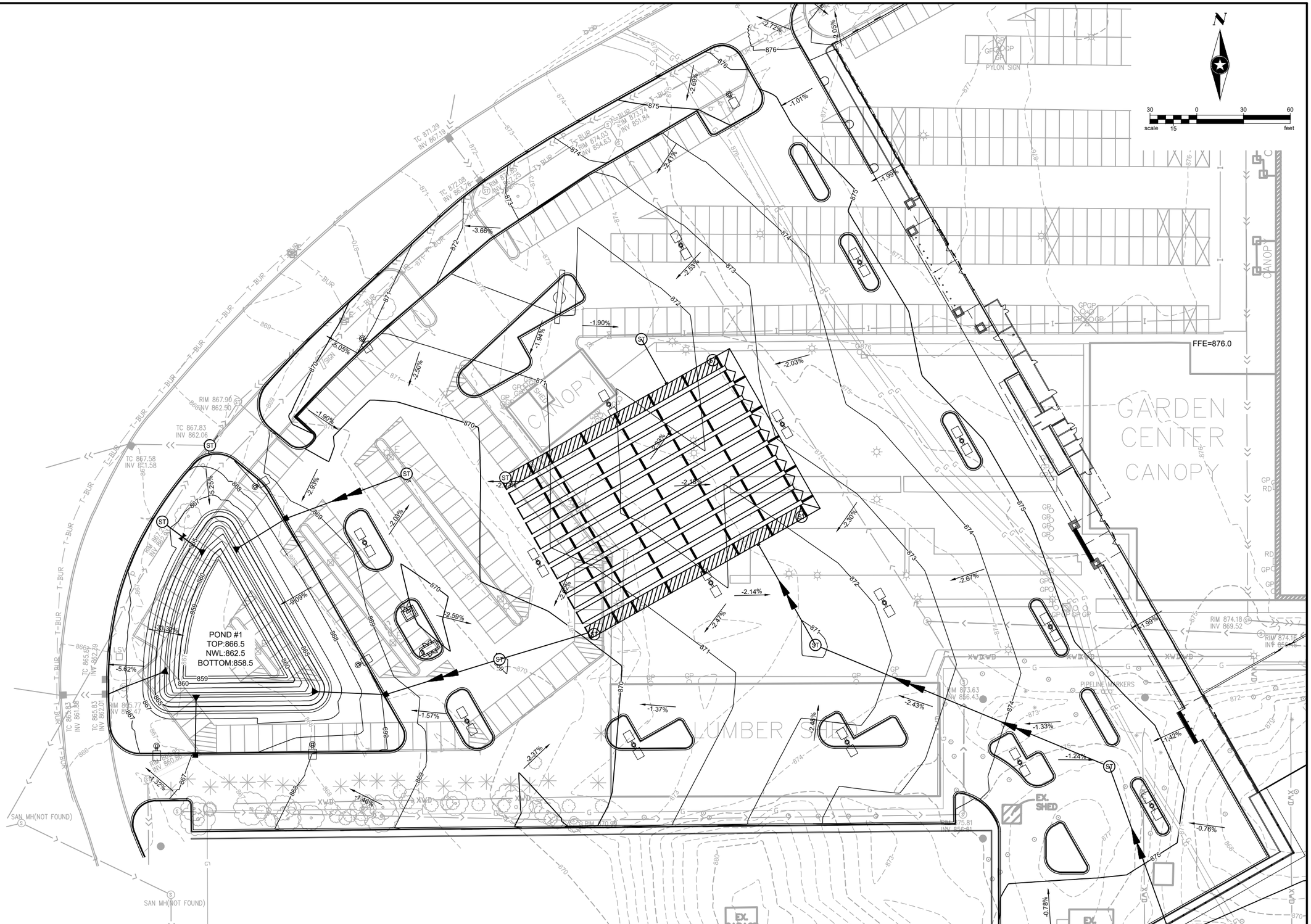

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MAPLEWOOD, MINNESOTA

GRADING PLAN WEST
MAPLEWOOD SITE DESIGN

FILE NO. MENAR 147393

3 / 12

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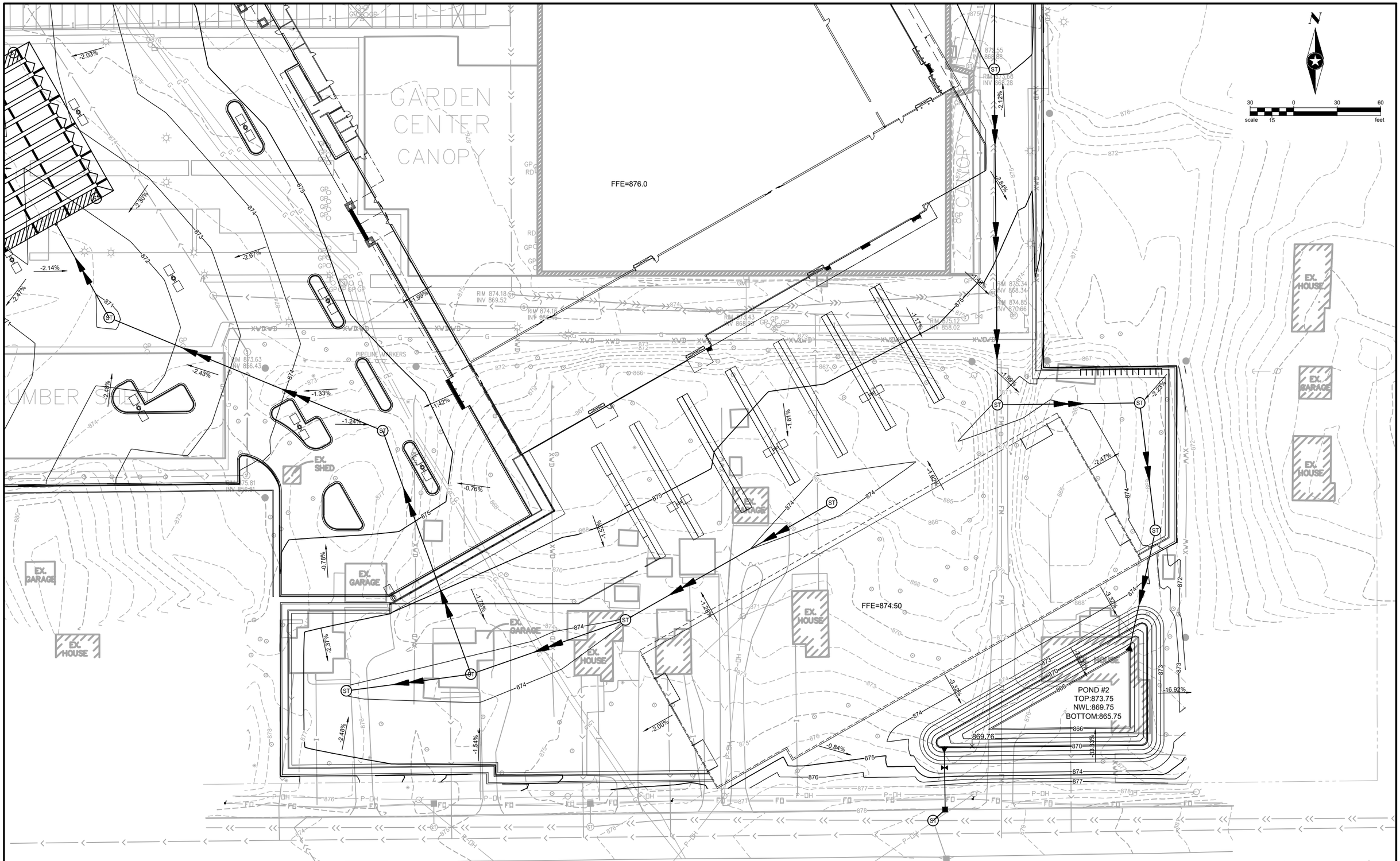

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GRADING PLAN SOUTH
MAPLEWOOD SITE DESIGN

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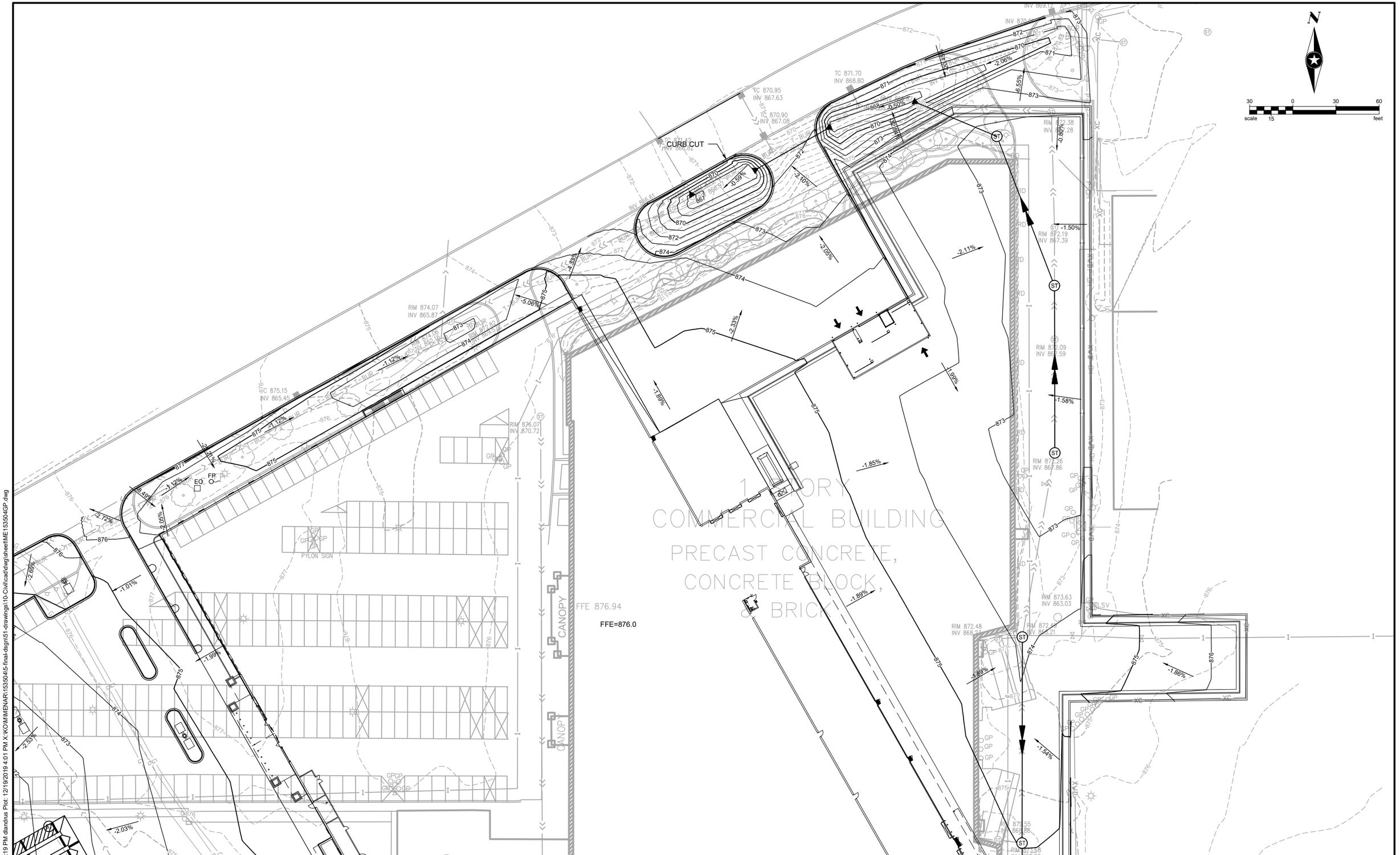
MENAR 147393

4 / 12



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GRADING PLAN NORTH
MAPLEWOOD SITE DESIGN

FILE NO.
MENAR 147393

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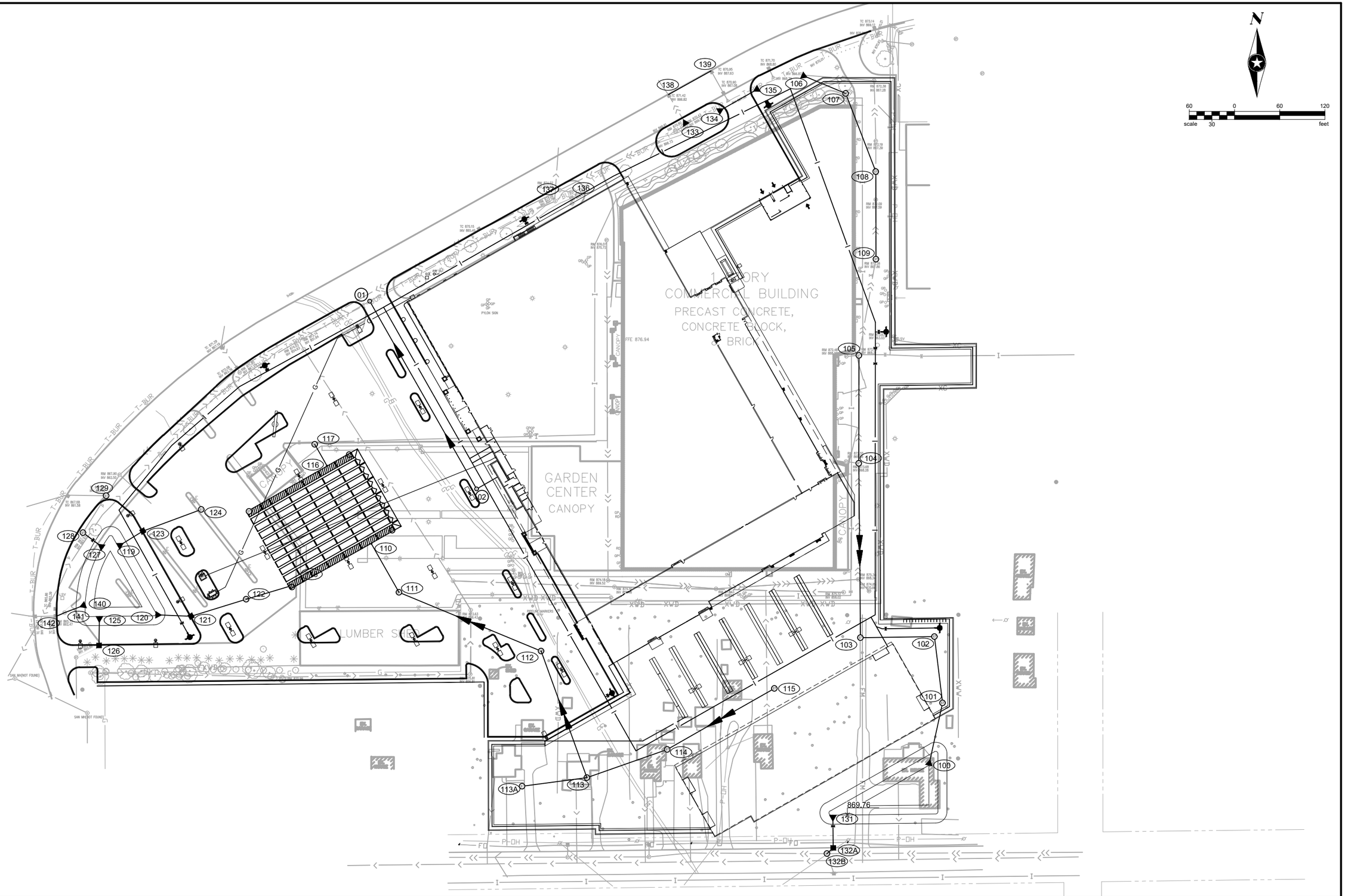

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MAPLEWOOD,
MINNESOTA

OVERALL UTILITY LAYOUT
MAPLEWOOD SITE DESIGN

FILE NO.
MENAR 147393

6
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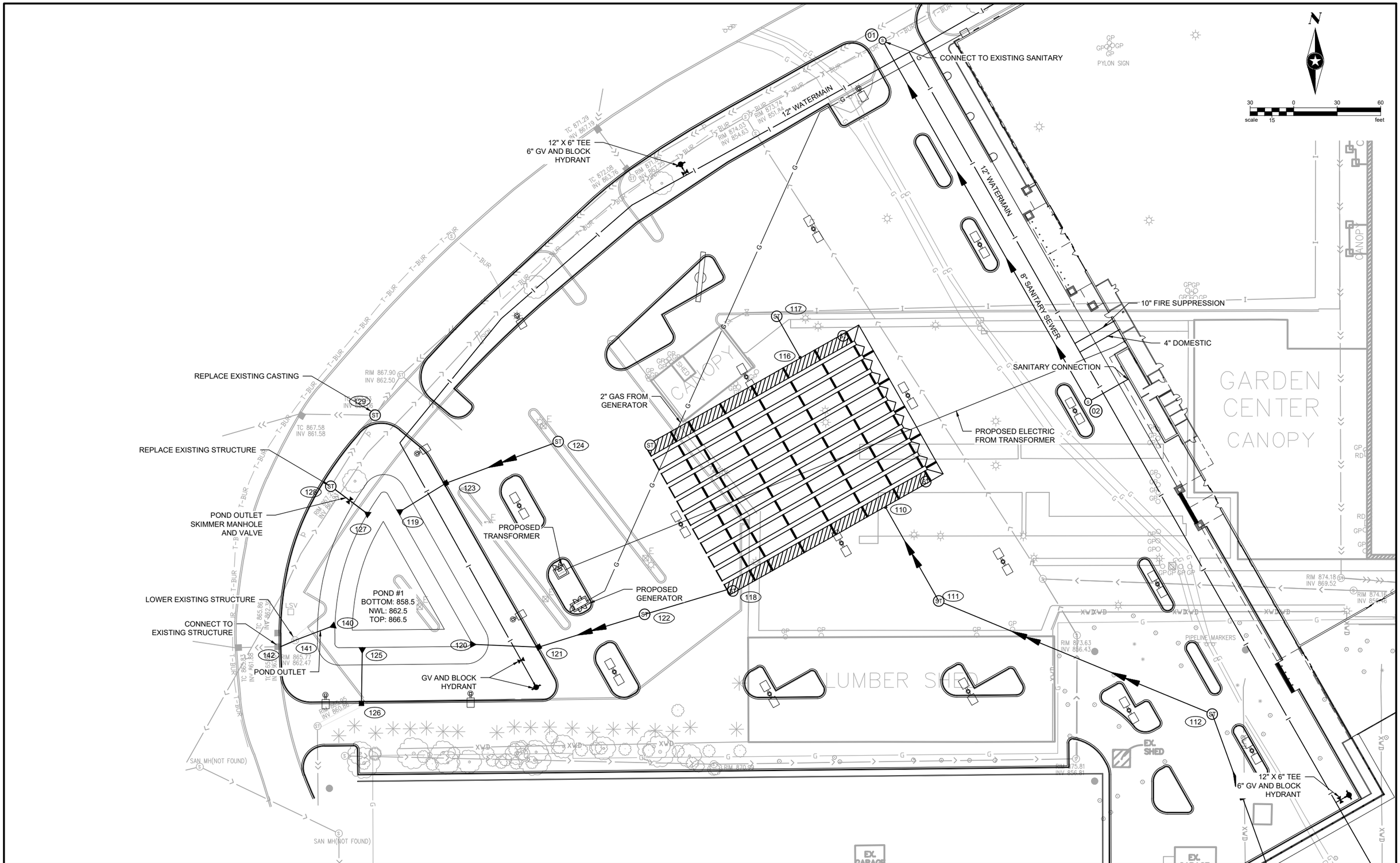

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MAPLEWOOD,
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UTILITY PLAN WEST
MAPLEWOOD SITE DESIGN

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MENAR 147393

7
12

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GARDEN CENTER CANOPY

CANOPY

LUMBER SHED

EX. SHED

EX. GARAGE

EX. HOUSE

12" WATERMAIN

PIPELINE MARKERS

12" X 6" TEE
6" GV AND BLOCK HYDRANT

12" X 10" TEE

10" X 6" WYE
6" GV AND BLOCK HYDRANT

10" WATER CONNECTION TO BUILDING

POND #2
BOTTOM: 865.75
NWL: 869.75
TOP: 873.75

869.76

POND OUTLET SKIMMER MANHOLE AND VALVE

REMOVE AND REPLACE EXISTING STRUCTURE

CONNECT TO EXISTING STRUCTURE

N

scale 30 0 30 60
15 feet

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MAPLEWOOD, MINNESOTA

UTILITY PLAN SOUTH
MAPLEWOOD SITE DESIGN

FILE NO. MENAR 147393

8 / 12

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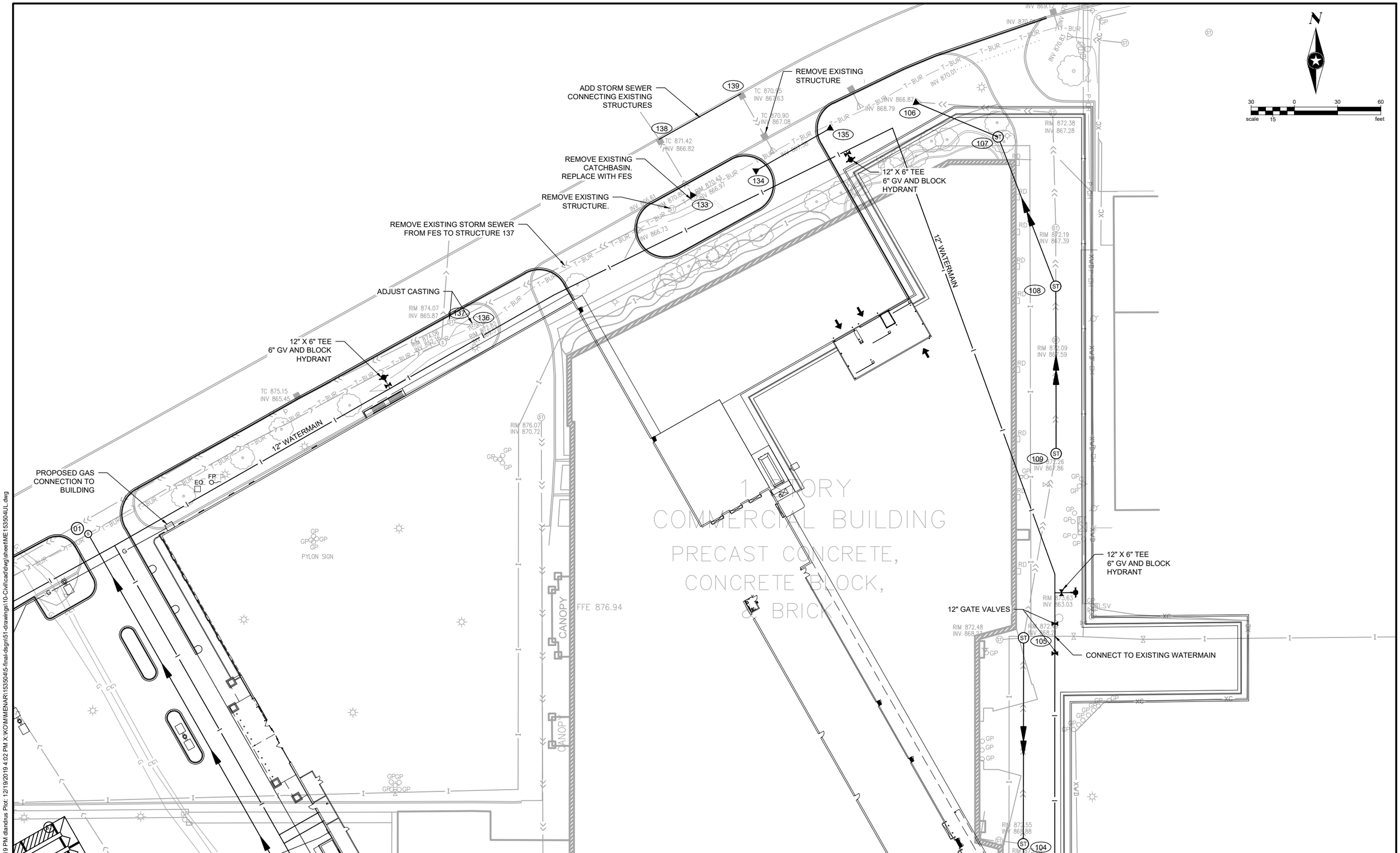

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MAPLEWOOD, MINNESOTA

UTILITY PLAN NORTH
MAPLEWOOD SITE DESIGN

FILE NO. MENAR 147393

9 / 12

STORM SEWER											
		PIPE			INVERT		CATCHBASIN/MANHOLE				
CB NO.	TC	DIA. (IN.)	LENGTH	SLOPE	UP	DOWN	BUILD	SIZE	Casting Type	PIPE TYPE	NOTES
100	-				865.75		-	FES			
		18	85.00	0.50%						RCP	
101	873.10				866.28	866.18	6.83	48 IN	R-2556		
		18	89.00	0.50%						RCP	
102	873.25				866.82	866.72	6.43	48 IN	R-2556		
		18	98.00	0.50%						RCP	
103	874.01				867.41	867.31	6.60	48 IN	R-2556		
		12	232.00	0.50%						RCP	
104	874.92				868.67	868.57	6.25	48 IN	R-2556		
		12	143.00	0.50%						RCP	
105	873.90				869.49	869.39	4.41	48 IN	R-2556		
106					867.81			FES			
		24	64.00	0.40%						RCP	
107	872.50				868.17	868.07	4.33	48 IN	R-2556		
		24	112.00	0.40%						RCP	
108	872.14				868.71	868.61	3.43	48 IN	R-2556		
		18	116.00	0.40%						RCP	
109	872.26					869.18	3.08	48 IN	R-2556		
110	872.26				866.00		6.26	-			
		30	83.00	0.50%						RCP	
111	870.81				866.52	866.42	4.29	60 IN	R-2556		
		24	204.00	0.50%						RCP	
112	874.50				867.64	867.54	6.87	48 IN	R-2556		
		24	179.00	0.50%						RCP	
113	873.70				868.63	868.53	5.07	60 IN	R-2556		
		18	113.00	0.50%						RCP	
114	873.98				869.30	869.20	4.68	48 IN	R-2556		
		18	164.00	0.50%						RCP	
115	873.68					870.12	3.56	48 IN	R-2556		
113	872.28				868.63		3.65	60 IN	R-2556		
		12	87.00	1.00%						RCP	
113A	873.92					869.50	4.42	48 IN	R-2556		
116	-				866.00		-	-			
		18	34.00	1.00%						RCP	
117	871.18					866.34	4.84	48 IN	R-2556		
120					862.50			FES			
		24	48.00	0.50%						RCP	
121	868.65				862.84	862.74	5.81	48 IN	R-3067		
		24	77.00	0.50%						RCP	
122	868.93				863.33	863.23	5.70	48 IN	R-2556		
		15	60.00	0.50%						RCP	
118	870.14					863.63	6.51	48 IN	R-2556		
119	-				862.50			FES			
		12	39.00	1.50%						RCP	
123	868.66				863.19	863.09	5.47	48 IN	R-3067		
		12	83.00	1.50%						RCP	
124	868.94					864.43	4.51	48 IN	R-2556		
125					862.50			FES			
		12	39.00	2.00%						RCP	
126	867.03					863.28	3.75	48 IN	R-3067		
129	867.83				862.06		5.77	60 IN	R-5900		Existing Structure. Replace Casting
		24	58.00	0.37%						RCP	Relay Existing Pipe
128	867.27				862.37	862.27	5.00	48 IN	R-2556		Replace Existing Structure
		15	34.00	0.38%						PVC C900	Replace Existing Pipe
127						862.50		FES			Pond Outlet

		PIPE			INVERT		CATCHBASIN/MANHOLE				
CB NO.	TC	DIA. (IN.)	LENGTH	SLOPE	UP	DOWN	BUILD	SIZE	Casting Type	PIPE TYPE	NOTES
132B					868.96			-			Existing Structure
		18	12.00	1.24%						RCP	Connect to Existing Structure
132A	878.26				869.21	869.11	9.15	48 IN	R-3067		Remove and Replace existing structure
		15	44.00	1.24%						PVC C900	
131						869.75		FES			Pond Outlet
133					866.97		-	FES			Replace structure with apron
		Ditch	45.00	0.50%						RCP	
134					867.20	867.20	-	FES			
		24	62.00	0.50%						RCP	
135					867.51	867.51	-	FES			
		Ditch	60.00	0.50%						RCP	
106						867.81	-	FES			
136	872.82					869.57		-			Adjust casting on existing structure
137	873.61					865.87		-			Adjust casting on existing structure
138	871.42				866.82			-			Existing Structure
		12	65.00	1.25%						RCP	Connect to both existing structures
139	870.95					867.63	3.32	-			Existing Structure
142					862.01		-	-			Existing Structure
		18	11.00	0.95%						RCP	Connect to Existing Structure
141	866.90				862.21	862.11	4.79	48 IN			Lower Existing Structure
		15	30.00	0.95%						PVC C900	
140					862.50	862.50	-	FES			Pond Outlet

SANITARY SEWER											
		PIPE			INVERT						
CB NO.	TC	DIA. (IN.)	LENGTH	SLOPE	UP	DOWN	BUILD	SIZE	Casting Type	PIPE TYPE	NOTES
01	876.06				851.80		24.26	48 IN			
		36	286.00	5.00%						PVC SDR 26	
02	875.00				866.20	866.10	8.80	48 IN			
		36	32.00	5.00%						PVC SDR 26	
03	-					867.80					Connect to Building

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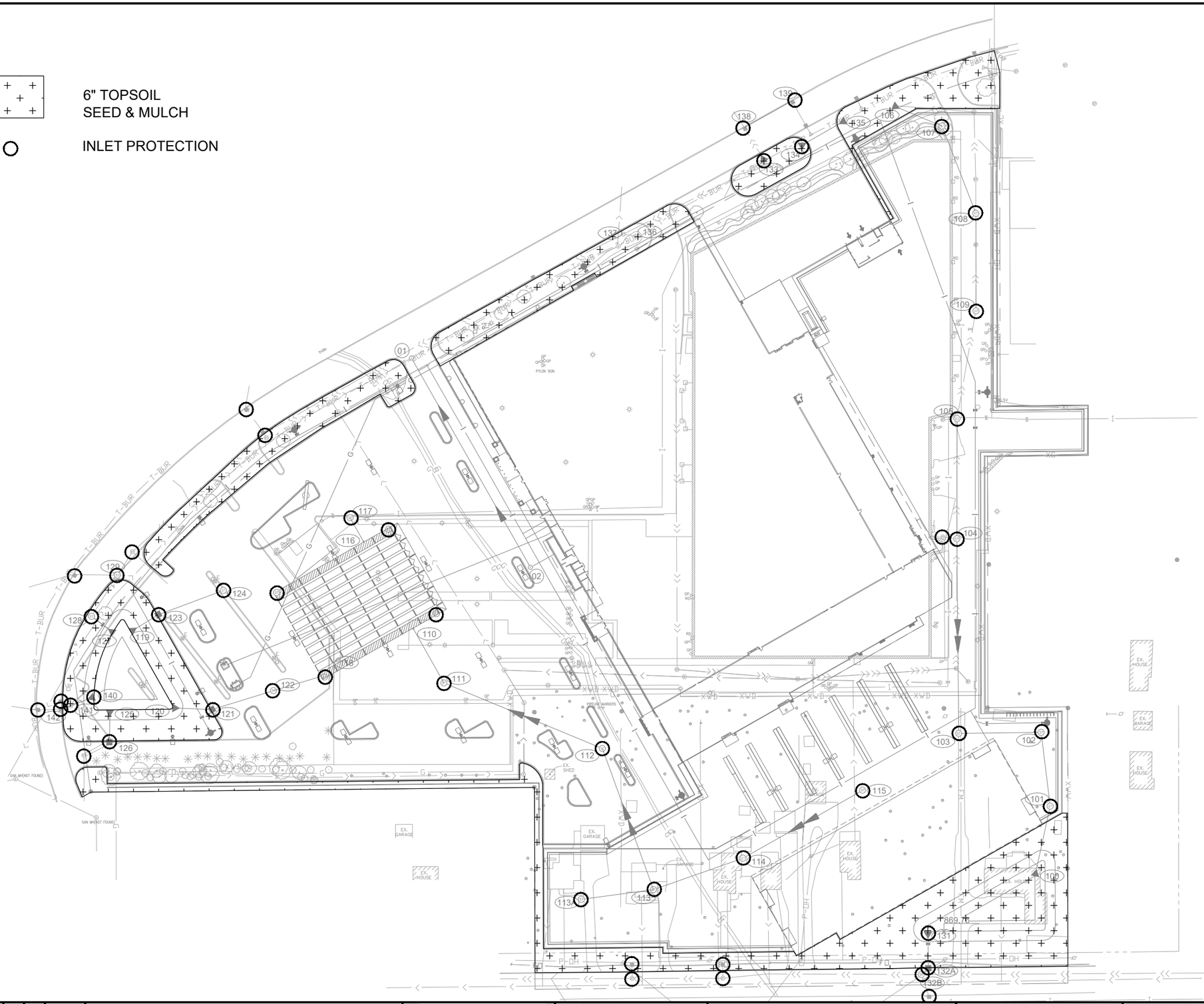
STORM TABLE
MAPLEWOOD SITE DESIGN

FILE NO.
MENAR 147393

6" TOPSOIL
SEED & MULCH

INLET PROTECTION



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MAPLEWOOD, MINNESOTA

TURF ESTABLISHMENT & EROSION CONTROL PLAN
MAPLEWOOD SITE DESIGN

FILE NO.
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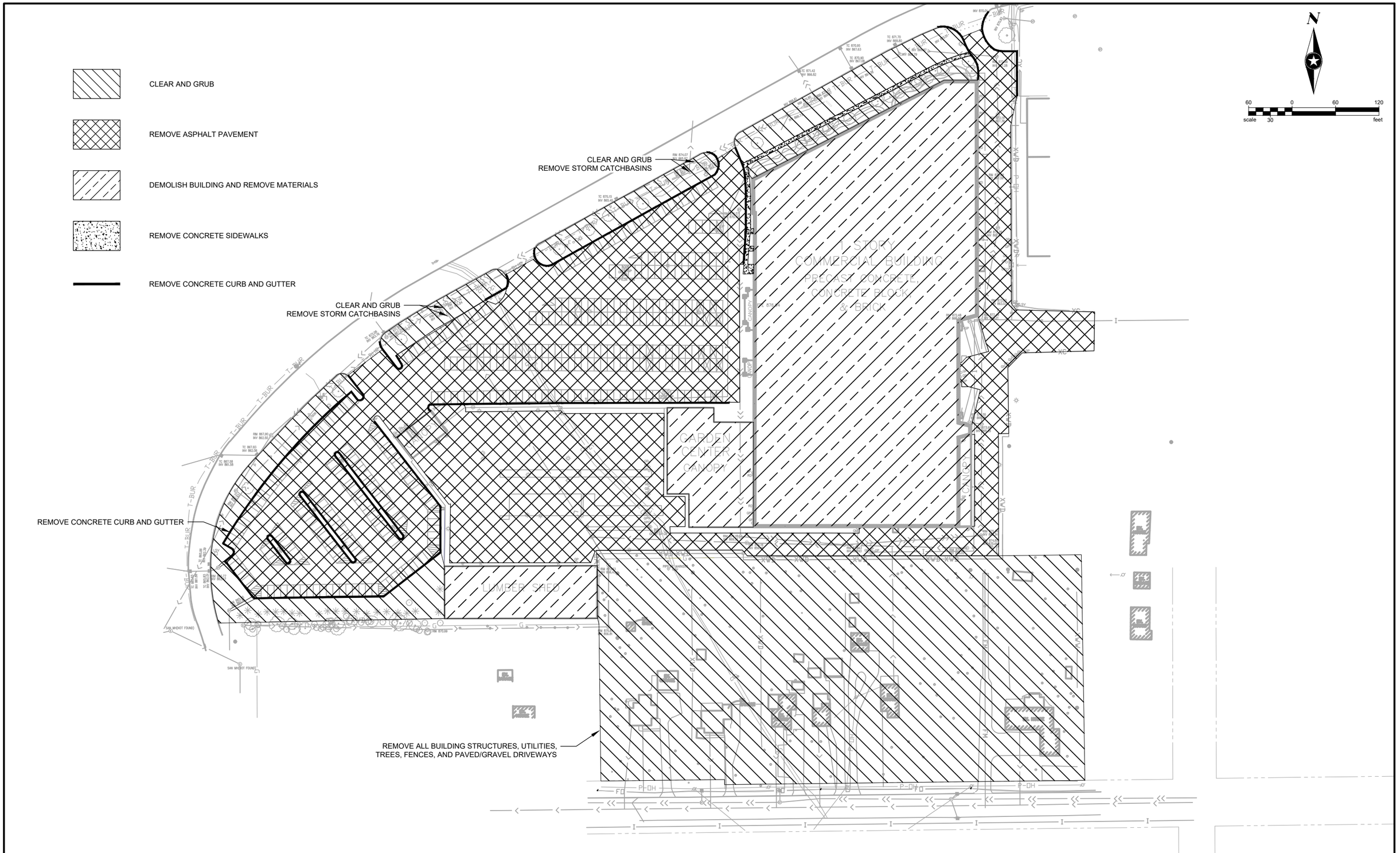

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REMOVAL PLAN
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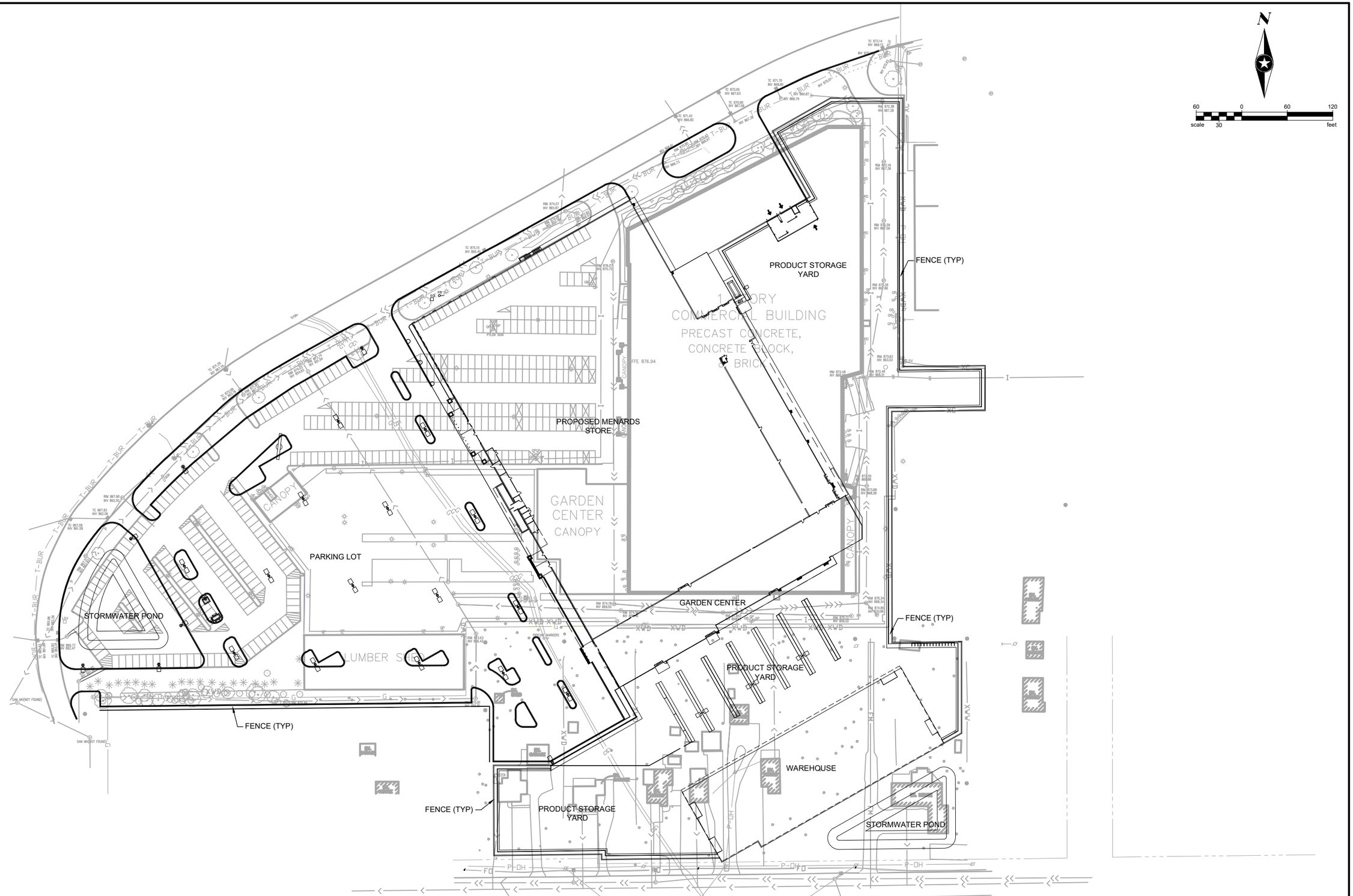

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MAPLEWOOD, MINNESOTA

SITE LAYOUT
MAPLEWOOD SITE DESIGN

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