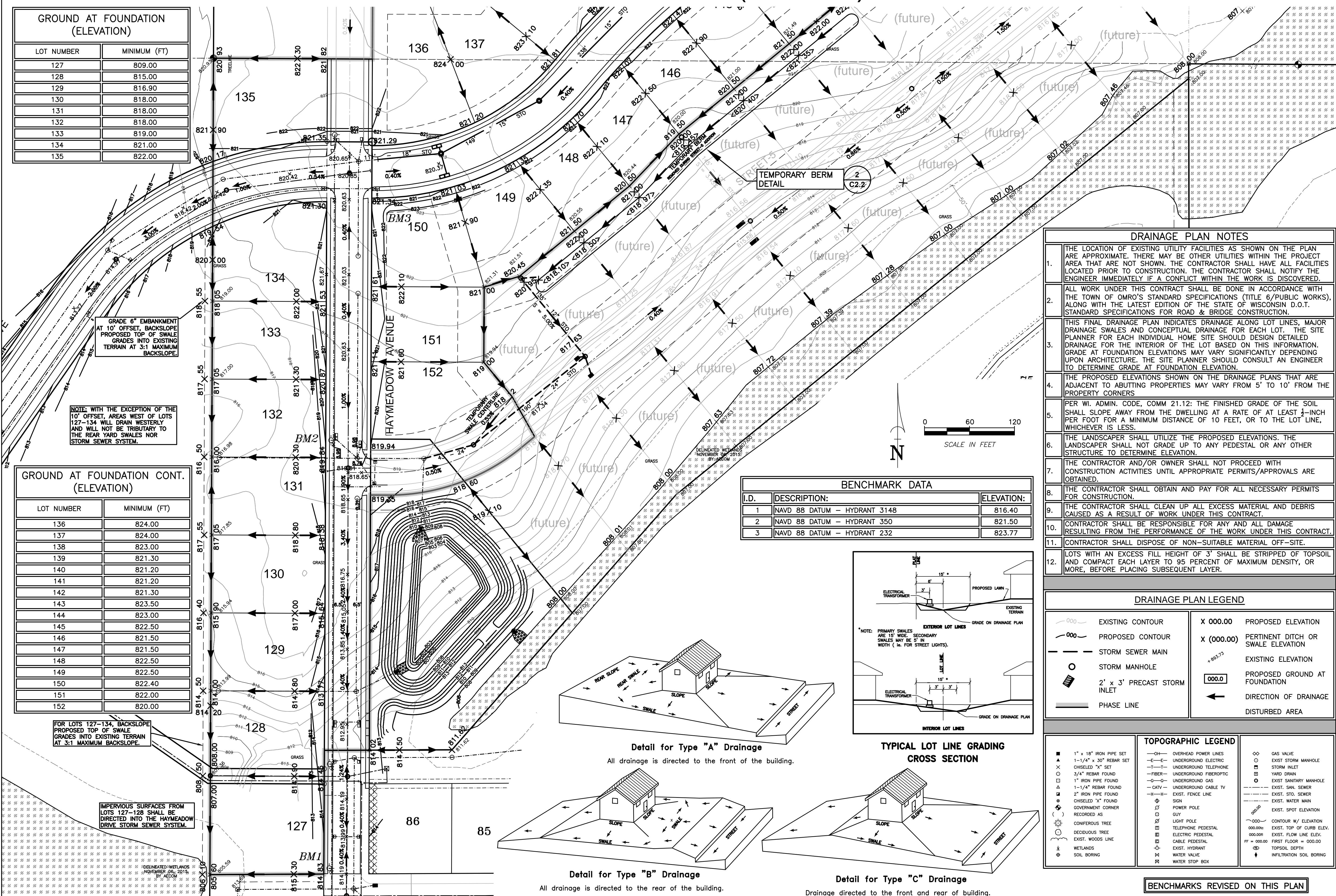


DRAINAGE PLAN (SOUTH)

GROUND AT FOUNDATION (ELEVATION)	
LOT NUMBER	MINIMUM (FT)
127	809.00
128	815.00
129	816.90
130	818.00
131	818.00
132	818.00
133	819.00
134	821.00
135	822.00

GROUND AT FOUNDATION CONT. (ELEVATION)	
LOT NUMBER	MINIMUM (FT)
136	824.00
137	824.00
138	823.00
139	821.30
140	821.20
141	821.20
142	821.30
143	823.50
144	823.00
145	822.50
146	821.50
147	821.50
148	822.50
149	822.50
150	822.40
151	822.00
152	820.00

BENCHMARK DATA		
I.D.	DESCRIPTION:	ELEVATION:
1	NAVD 88 DATUM - HYDRANT 3148	816.40
2	NAVD 88 DATUM - HYDRANT 350	821.50
3	NAVD 88 DATUM - HYDRANT 232	823.77

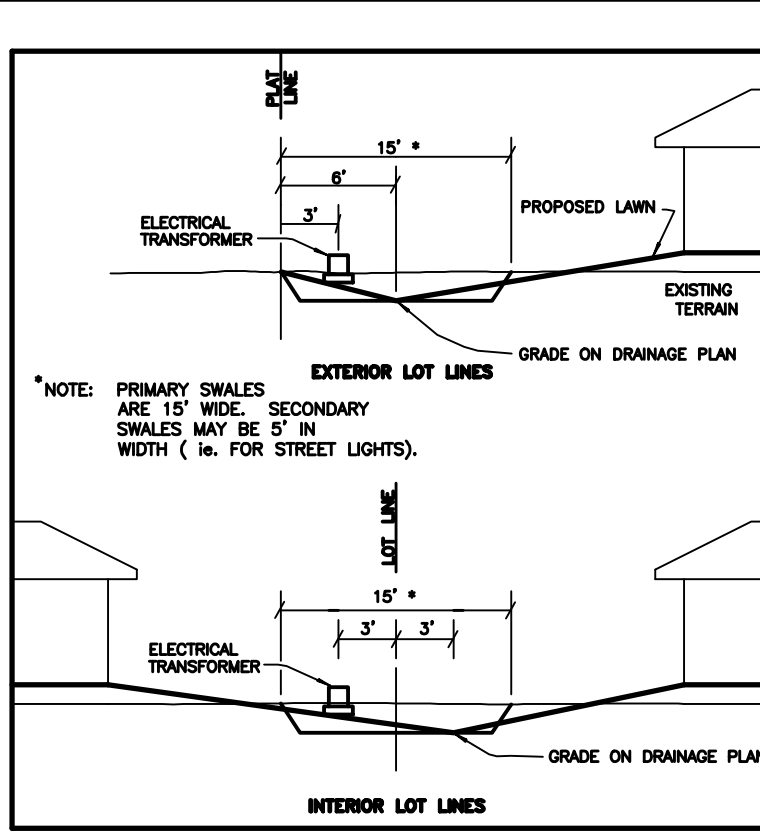
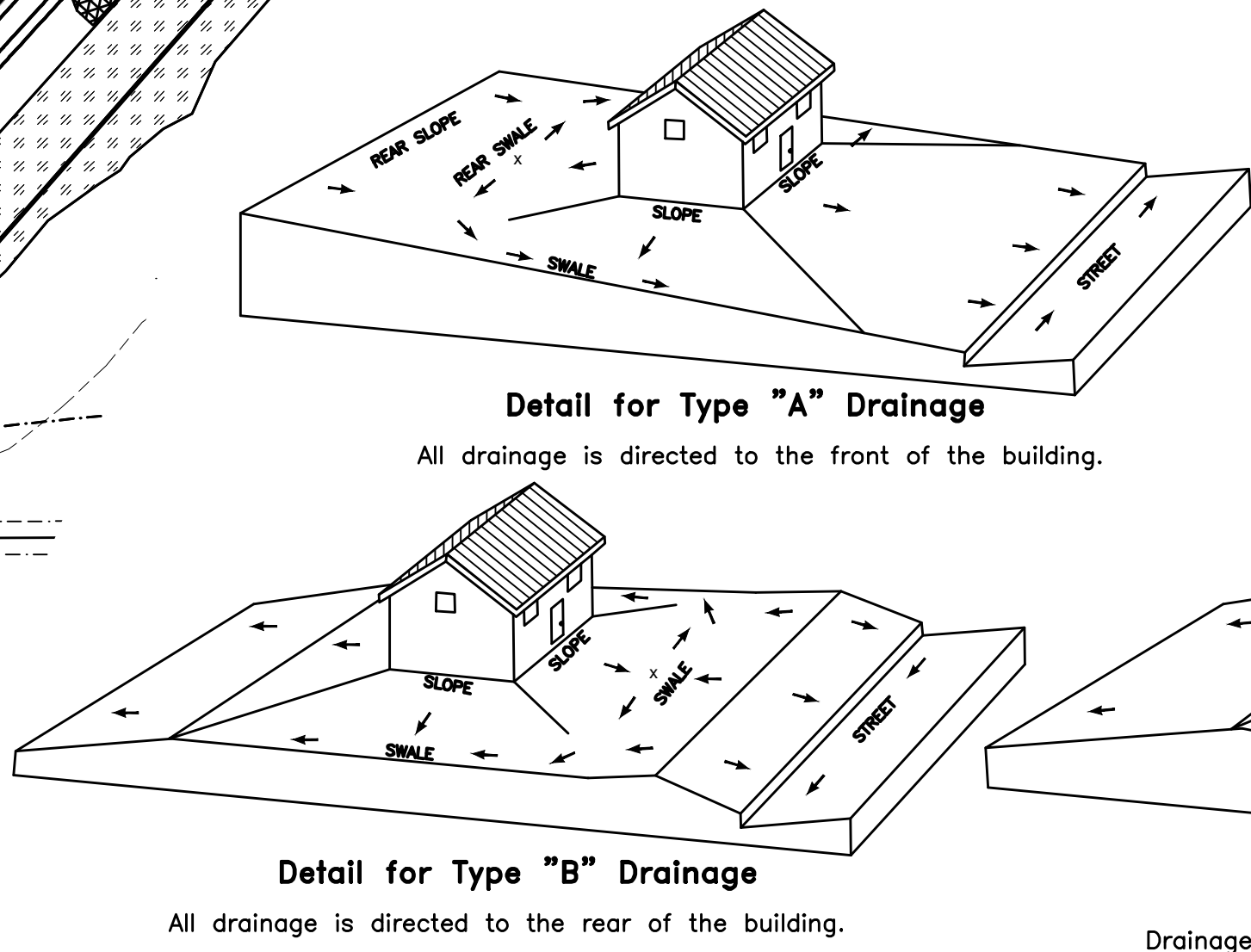


GRADE 6" EMBANKMENT AT 10' OFFSET, BACKSLOPE PROPOSED TOP OF SWALE GRADES INTO EXISTING TERRAIN AT 3:1 MAXIMUM BACKSLOPE.

NOTE: WITH THE EXCEPTION OF THE 10' OFFSET, AREAS WEST OF LOTS 127-134 WILL DRAIN WESTERLY AND WILL NOT BE TRIBUTARY TO THE REAR YARD SWALES NOR STORM SEWER SYSTEM.

FOR LOTS 127-134, BACKSLOPE PROPOSED TOP OF SWALE GRADES INTO EXISTING TERRAIN AT 3:1 MAXIMUM BACKSLOPE.

IMPERVIOUS SURFACES FROM LOTS 127-128 SHALL BE DIRECTED INTO THE HAYMEADOW DRIVE STORM SEWER SYSTEM.



- ### DRAINAGE PLAN NOTES
- THE LOCATION OF EXISTING UTILITY FACILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL HAVE ALL FACILITIES LOCATED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF A CONFLICT WITHIN THE WORK IS DISCOVERED.
 - ALL WORK UNDER THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE TOWN OF OMRO'S STANDARD SPECIFICATIONS (TITLE 6/PUBLIC WORKS), ALONG WITH THE LATEST EDITION OF THE STATE OF WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
 - THIS FINAL DRAINAGE PLAN INDICATES DRAINAGE ALONG LOT LINES, MAJOR DRAINAGE SWALES AND CONCEPTUAL DRAINAGE FOR EACH LOT. THE SITE PLANNER FOR EACH INDIVIDUAL HOME SITE SHOULD DESIGN DETAILED DRAINAGE FOR THE INTERIOR OF THE LOT BASED ON THIS INFORMATION. GRADE AT FOUNDATION ELEVATIONS MAY VARY SIGNIFICANTLY DEPENDING UPON ARCHITECTURE. THE SITE PLANNER SHOULD CONSULT AN ENGINEER TO DETERMINE GRADE AT FOUNDATION ELEVATION.
 - THE PROPOSED ELEVATIONS SHOWN ON THE DRAINAGE PLANS THAT ARE ADJACENT TO ABUTTING PROPERTIES MAY VARY FROM 5' TO 10' FROM THE PROPERTY CORNERS.
 - PER WI. ADMIN. CODE, COMM 21.12: THE FINISHED GRADE OF THE SOIL SHALL SLOPE AWAY FROM THE DWELLING AT A RATE OF AT LEAST 1/4" PER FOOT FOR A MINIMUM DISTANCE OF 10 FEET, OR TO THE LOT LINE, WHICHEVER IS LESS.
 - THE LANDSCAPER SHALL UTILIZE THE PROPOSED ELEVATIONS. THE LANDSCAPER SHALL NOT GRADE UP TO ANY PEDESTAL OR ANY OTHER STRUCTURE TO DETERMINE ELEVATION.
 - THE CONTRACTOR AND/OR OWNER SHALL NOT PROCEED WITH CONSTRUCTION ACTIVITIES UNTIL APPROPRIATE PERMITS/APPROVALS ARE OBTAINED.
 - THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS FOR CONSTRUCTION.
 - THE CONTRACTOR SHALL CLEAN UP ALL EXCESS MATERIAL AND DEBRIS CAUSED AS A RESULT OF WORK UNDER THIS CONTRACT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE RESULTING FROM THE PERFORMANCE OF THE WORK UNDER THIS CONTRACT.
 - CONTRACTOR SHALL DISPOSE OF NON-SUITABLE MATERIAL OFF-SITE.
 - LOTS WITH AN EXCESS FILL HEIGHT OF 3' SHALL BE STRIPPED OF TOPSOIL AND COMPACT EACH LAYER TO 95 PERCENT OF MAXIMUM DENSITY, OR MORE, BEFORE PLACING SUBSEQUENT LAYER.

DRAINAGE PLAN LEGEND

	EXISTING CONTOUR	X 000.00	PROPOSED ELEVATION
	PROPOSED CONTOUR	X (000.00)	PERTINENT DITCH OR SWALE ELEVATION
	STORM SEWER MAIN	+ 893.73	EXISTING ELEVATION
	STORM MANHOLE	000.0	PROPOSED GROUND AT FOUNDATION
	2' x 3' PRECAST STORM INLET		DIRECTION OF DRAINAGE
	PHASE LINE		DISTURBED AREA

TOPOGRAPHIC LEGEND

	1" x 18" IRON PIPE SET		GAS VALVE
	1-1/4" x 30" REBAR SET		EXIST STORM MANHOLE
	CHISELED "X" SET		STORM INLET
	3/4" REBAR FOUND		YARD DRAIN
	1" IRON PIPE FOUND		EXIST SANITARY MANHOLE
	1-1/4" REBAR FOUND		EXIST SAN SEWER
	2" IRON PIPE FOUND		EXIST STO SEWER
	CHISELED "X" FOUND		EXIST WATER MAIN
	GOVERNMENT CORNER RECORDED AS		EXIST SPOT ELEVATION
	CONFEDERUS TREE		GUY
	DECIDUOUS TREE		LIGHT POLE
	EXIST WOODS LINE		TELEPHONE PEDESTAL
	WETLANDS		ELECTRIC PEDESTAL
	SOIL BORING		EXIST FLOW LINE ELEV.
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX

BENCHMARKS REVISED ON THIS PLAN

Martenson & Eisele, Inc.
 Planning
 Environmental
 Surveying
 Engineering
 Architecture
 1377 Midway Road
 Menasha, WI 54952
 www.martenson-eisele.com
 info@martenson-eisele.com
 920.731.0381 1.800.236.0381

NO.	DATE	DESCRIPTION
1	06-09-2020	
2	07-06-2020	
3	07-28-2020	
4	08-10-2020	
5	08-18-2021	

DRAINAGE PLAN (SOUTH)
3RD ADDITION TO CLEARWATER CREEK
 CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN

SCALE	DATE
BAR SCALE	04/14/2020
COMPUTER FILE	
1-0822-002de.dwg	

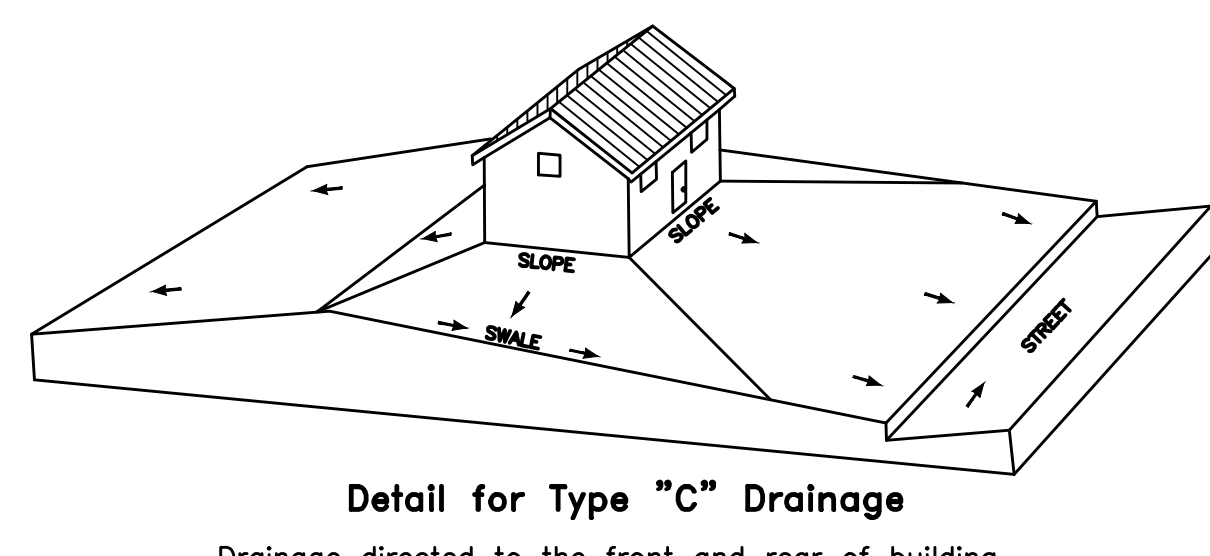
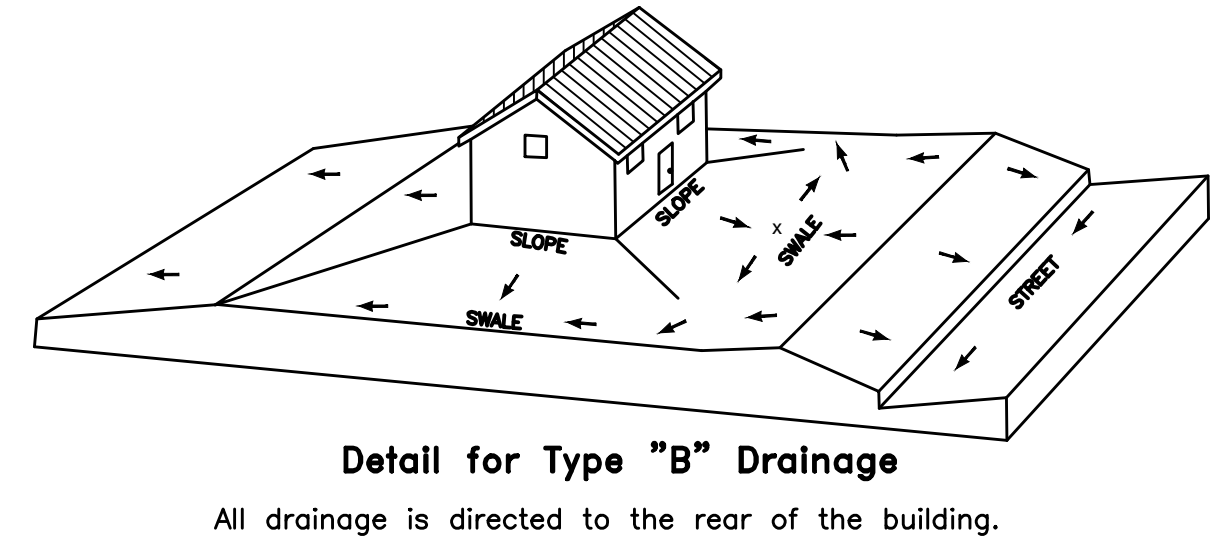
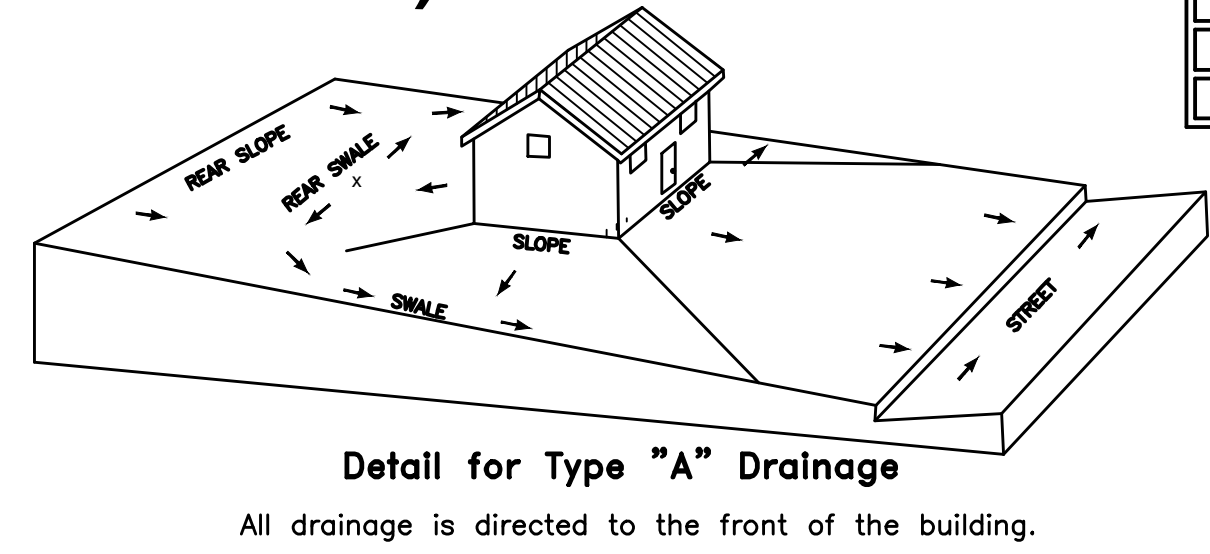
JEFFREY W. SCHULTZ
 2-2022
 NEENAH, WI
 6/18/21

DRAWING NO.
 C2.1

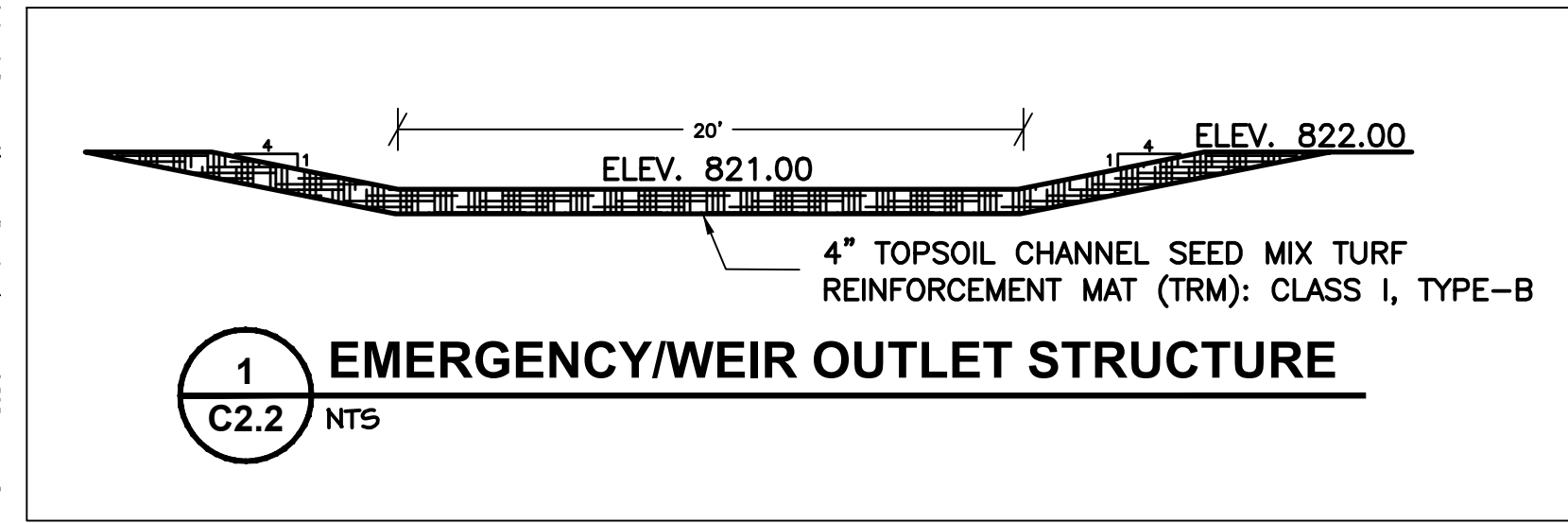
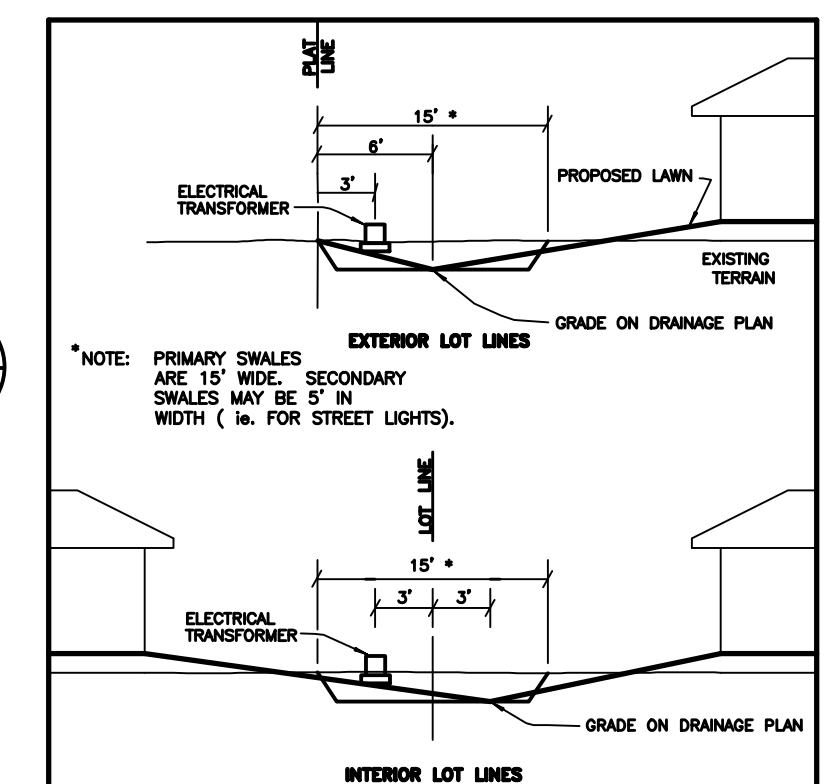
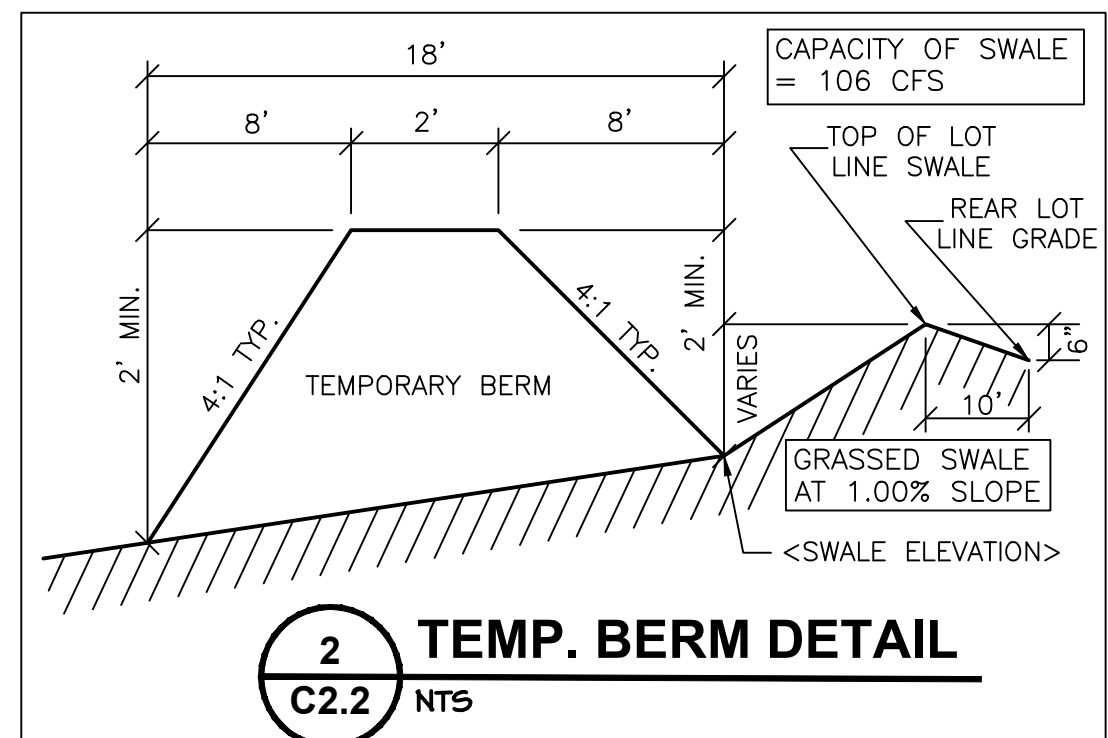
DRAINAGE PLAN (NORTH)



BENCHMARK DATA		
I.D.	DESCRIPTION:	ELEVATION:
1	NAVD 88 DATUM - HYDRANT 3148	816.40
2	NAVD 88 DATUM - HYDRANT 350	821.50
3	NAVD 88 DATUM - HYDRANT 232	823.77



GROUND AT FOUNDATION CONT. (ELEVATION)	
LOT NUMBER	MINIMUM (FT)
127	809.00
128	815.00
129	816.90
130	818.00
131	818.00
132	818.00
133	819.00
134	821.00
135	822.00
136	824.00
137	824.00
138	823.00
139	821.30
140	821.20
141	821.20
142	821.30
143	823.50
144	823.00
145	822.50
146	821.50
147	821.50
148	822.50
149	822.50
150	822.40
151	822.00
152	820.00



DRAINAGE PLAN LEGEND			
	EXISTING CONTOUR	X 000.00	PROPOSED ELEVATION
	PROPOSED CONTOUR	X (000.00)	PERTINENT DITCH OR SWALE ELEVATION
	STORM SEWER MAIN	+ 883.73	EXISTING ELEVATION
	STORM MANHOLE	000.0	PROPOSED GROUND AT FOUNDATION
	2' x 3' PRECAST STORM INLET		DIRECTION OF DRAINAGE
	PHASE LINE		DISTURBED AREA

TOPOGRAPHIC LEGEND			
	1" x 18" IRON PIPE SET		OVERHEAD POWER LINES
	1-1/4" x 30" REBAR SET		UNDERGROUND ELECTRIC
	CHISELED "X" SET		UNDERGROUND TELEPHONE
	3/4" REBAR FOUND		UNDERGROUND FIBEROPTIC
	1" IRON PIPE FOUND		EXIST SANITARY MANHOLE
	1-1/4" REBAR FOUND		EXIST SAN SEWER
	2" IRON PIPE FOUND		EXIST STO SEWER
	CHISELED "X" FOUND		EXIST WATER MAIN
	GOVERNMENT CORNER		SIGN
	RECORDED AS		POWER POLE
	CONFEDEROUS TREE		GUY
	DECIDUOUS TREE		LIGHT POLE
	EXIST WOODS LINE		TELEPHONE PEDESTAL
	WETLANDS		ELECTRIC PEDESTAL
	SOIL BORING		CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
			STORM INLET
			YARD DRAIN
			EXIST SANITARY MANHOLE
			EXIST SAN SEWER
			EXIST STO SEWER
			EXIST WATER MAIN
			EXIST SPOT ELEVATION
			GUY
			LIGHT POLE
			TELEPHONE PEDESTAL
			ELECTRIC PEDESTAL
			CABLE PEDESTAL
			EXIST HYDRANT
			WATER VALVE
			WATER STOP BOX
			GAS VALVE
			EXIST STORM MANHOLE
</			