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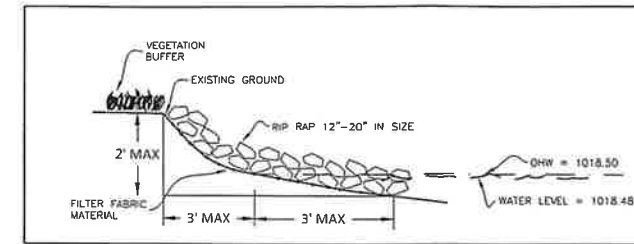


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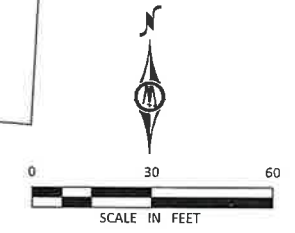
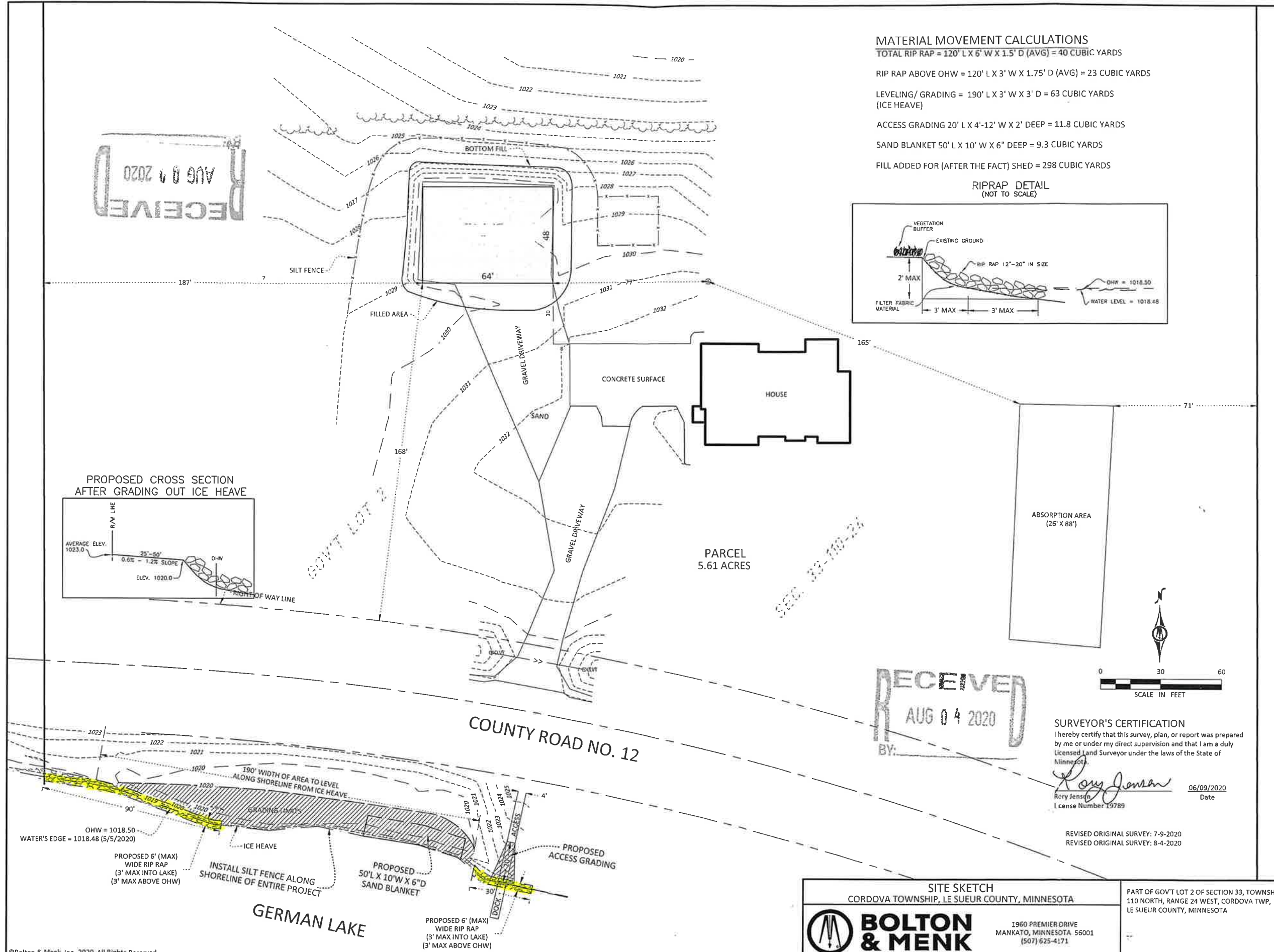
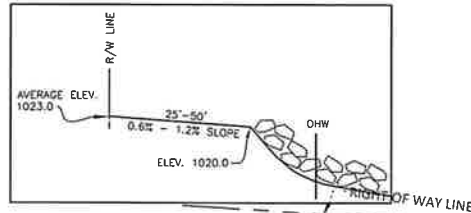
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MATERIAL MOVEMENT CALCULATIONS
 TOTAL RIP RAP = 120' L X 6' W X 1.5' D (AVG) = 40 CUBIC YARDS
 RIP RAP ABOVE OHW = 120' L X 3' W X 1.75' D (AVG) = 23 CUBIC YARDS
 LEVELING/ GRADING = 190' L X 3' W X 3' D = 63 CUBIC YARDS (ICE HEAVE)
 ACCESS GRADING 20' L X 4'-12' W X 2' DEEP = 11.8 CUBIC YARDS
 SAND BLANKET 50' L X 10' W X 6" DEEP = 9.3 CUBIC YARDS
 FILL ADDED FOR (AFTER THE FACT) SHED = 298 CUBIC YARDS

RIPRAP DETAIL
(NOT TO SCALE)



PROPOSED CROSS SECTION AFTER GRADING OUT ICE HEAVE

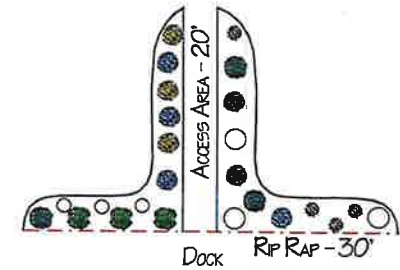
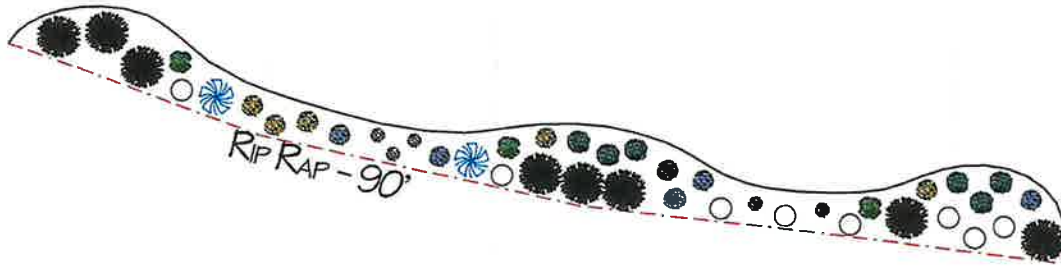


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AUG 04 2020
BY:

SURVEYOR'S CERTIFICATION
 I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.
 Rory Jensen
 License Number 19789
 Date 06/09/2020

REVISED ORIGINAL SURVEY: 7-9-2020
 REVISED ORIGINAL SURVEY: 8-4-2020

SITE SKETCH CORDOVA TOWNSHIP, LE SUEUR COUNTY, MINNESOTA		PART OF GOVT LOT 2 OF SECTION 33, TOWNSHIP 110 NORTH, RANGE 24 WEST, CORDOVA TWP, LE SUEUR COUNTY, MINNESOTA
	1960 PREMIER DRIVE MANKATO, MINNESOTA 56001 (507) 625-4171	



LEGEND

	COMMON NAME	QTY
FLOWER, PERENNIAL		
	BEE BALM MONARDA FISTULOSA	9
	BUTTERFLY WEED ASCLEPIAS TUBEROSA	9
	CONEFLOWER, PURPLE ECHINACEA PURPUREA	7
	IRIS, SIBERIAN BLUE FLAG IRIS	5
	LOBELIA CARDINALIS	6
	RUDEBECKIA, BLACK EYED SUSAN <small>RUDEBECKIA HIRTA</small>	8
SHRUB, DECIDUOUS		
	CHOKEBERRY, BLACK ARONIA MELANOCARPA	8

- LITTLE BLUESTEM SHIZACHYRIUM SCOPARIUM 11
- SPOROBOLUS PRAIRIE DROPSEED GRASS 3
- BAPTISIA AUSTRALIS 2

Revision #: 1

Scale:

Landscape Plan: 1

Landscape Design by: Johanna George

Date: 2/8/2021

1/16" = 1'

Schipper Lakeshore

Drummers Garden Center & Floral

Proposal

Clayton Roemhildt
& Sons Concrete
19833 490th St.
Waterville, MN 56096

PROPOSAL SUBMITTED TO: DUSTIN SKIFFER		JOB NAME	JOB #
ADDRESS GERMAN LAKE		JOB LOCATION	
		DATE	DATE OF PLANS
PHONE #	FAX #	ARCHITECT	

We hereby submit specifications and estimates for:

#1: TOTAL OF 190' OF SHORELINE THAT WILL BE IMPACTED. BOULDER SIZE WILL BE 6" TO 20" BOULDERS. 3 FT BELOW OHWL & 3 FT ABOVE OHWL. THE FINISHED SLOPE OF WHOLE PROJECT WILL BE 3:1 SLOPE. TOTAL MATERIAL MOVED ABOVE OHWL IS 23 C.Y.DS. THERE WILL BE FILTER FABRIC PLACED UNDERNEATH ROCKS. THERE WILL BE VEGETATION PLACED BEHIND RIP RAP (SEE PLANT PLAN) OTHER AREAS THAT ARE DISTURBED WILL BE SEEDED. PLANTS WILL BE INSTALLED AFTER ROCK IS INSTALLED. SICT FENCE WILL BE PLACED AT WATERS EDGE, 190' TO GRADE, 90' FT OF RIP RAP.

- COSTS 6" TO 20" RIP RAP \$ 5,000.00
- BOBCAT + BACKHOE \$ 3,000.00
- MOBILIZATION \$ 500.00
- LABOR \$ 2,000.00
- VEGETATION + PLANT MATERIALS \$ 850.00

TOTAL \$ 11,350.00

We propose hereby to furnish material and labor - complete in accordance with the above specifications for the sum of:

\$ Eleven thousand three hundred fifty & 00/100 Dollars

with payments to be made as follows: _____

Any alteration or deviation from above specifications involving extra costs will be executed only upon written order, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control.

Respectfully submitted _____

Note - this proposal may be withdrawn by us if not accepted within _____ days.

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined above.

Signature _____

Date of Acceptance _____

Signature _____