



ON 22x34 SHEET SCALE: FULL (AS NOTED)
ON 11x17 SHEET SCALE: HALF

REV	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	06/20/23
2	ISSUED FOR CONSTRUCTION	09/05/23

REVISION	DATE	10/10/2023
ISSUE	ISSUE	CLIENT REVIEW

PROJECT TITLE:
**GRAND HOTEL
EARTH
RETENSION
SYSTEM**

CLIENT:
POWER CONSTRUCTION

PROJECT LOCATION:
CITY OF MACKINAC ISLAND, MI

SHEET TITLE:
EXISTING
CONDITION PLAN

PROJECT NUMBER: 23142
SHEET NUMBER: C1.0

NOTES

- ALL BOUNDARY SURVEY INFORMATION PROVIDED BY LANDTECH SURVEYING, GRAND TRAVERSE, MI. ENGINEER MAKES NO REPRESENTATION OR GUARANTEES TO ITS ACCURACY. CONTACT LANDTECH SURVEYING (231) 943-0050 SHOULD ANY CONFLICTS WITH THIS INFORMATION ARISE.
- DEVELOPMENT OF THIS SITE SHALL BE IN ACCORDANCE WITH STATE, COUNTY AND TOWNSHIP REQUIREMENTS.

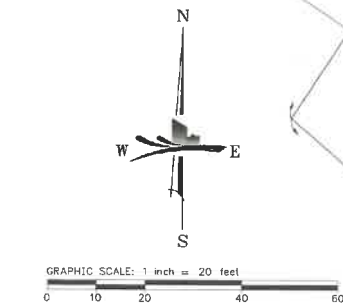
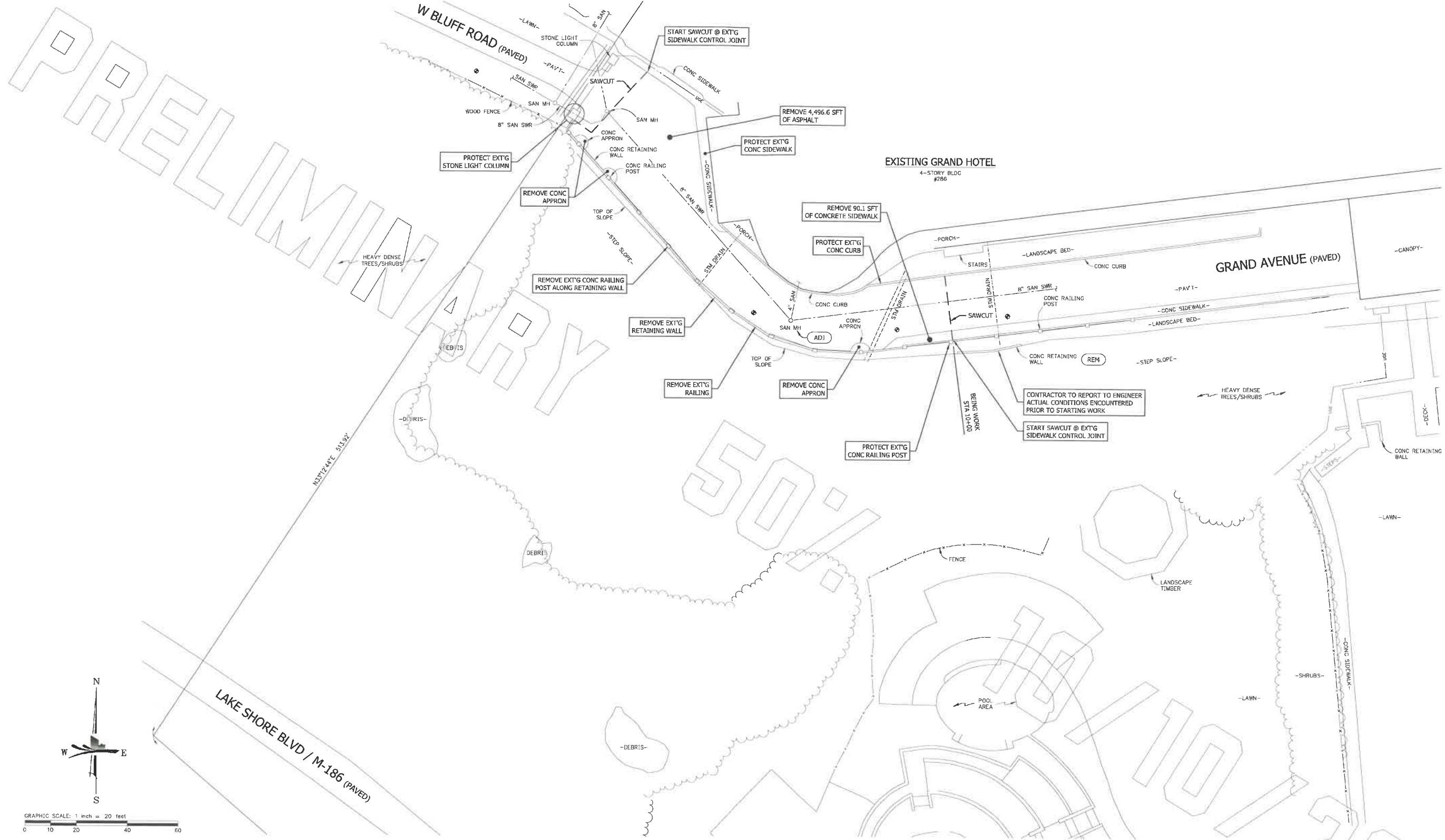
LEGEND

- Tree Line
- Gravel
- ▲ = HORIZ CONTROL PNT



Know what's below.
Call before you dig.
(3) WORKING DAYS

THE LOCATION OF THE EXISTING UTILITIES, AS SHOWN ON THIS PLAN, ARE APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ACTUAL LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE OWNER AND THE SUPERVISOR SHALL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATION SHOWN. THE CONTRACTOR SHALL NOTIFY "811" AT (1) (800) 482-7171 OR 811 THREE (3) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.



NOTES

1. ALL BOUNDARY SURVEY INFORMATION PROVIDED BY LANDTECH SURVEYING, GRAND TRAVERSE, MI. ENGINEER MAKES NO REPRESENTATION OR GUARANTEES TO ITS ACCURACY. CONTACT LANDTECH SURVEYING (231) 943-0050 SHOULD ANY CONFLICTS WITH THIS INFORMATION ARISE.
2. CONTRACTOR TO FIELD VERIFY EXISTING RETAINING LOCATION PRIOR TO CONSTRUCTION.
3. ENGINEER IS TO BE NOTIFIED IMMEDIATELY IF CONDITIONS VARY OUTSIDE OF THOSE PREPARED IN THESE PLANS.

LEGEND

- EXISTING CONC. SIDEWALK TO BE REMOVED
- EXISTING BIT., CONC., & GRAVEL TO BE REMOVED
- EXISTING SITE FEATURES TO BE REMOVED
- EXISTING CONTOURS
- REMOVE ITEM
- RELOCATE ITEM
- ADJUST ITEM
- PROTECTION ITEM
- SALVAGE ITEM
- CLEARING
- REMOVAL



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MACHIN ENGINEERING
 1235 F FRONT ST, Suite A
 TRAVERSE CITY, MI PH 231.935.1530
 www.machinengineering.net

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NO.	REVISION	DATE
1	ISSUED FOR PERMIT	10/10/2023
2	REVISED	
3	ADDED	

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PROJECT TITLE:
**GRAND HOTEL
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 SYSTEM**

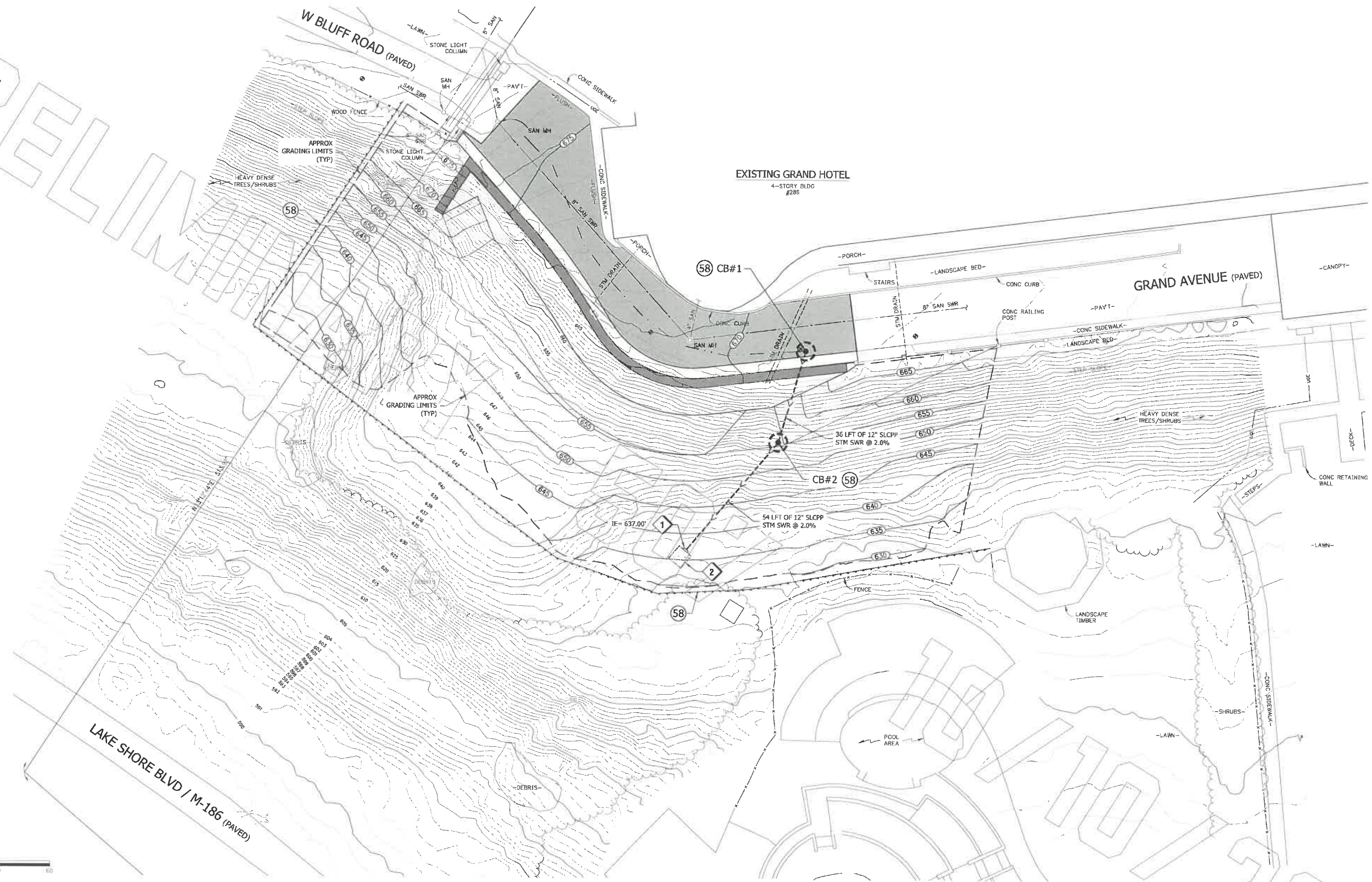
CLIENT: POWER CONSTRUCTION

PROJECT LOCATION:
CITY OF MACKINAC ISLAND, MI

SHEET TITLE:
**DEMOLITION
 PLAN**

PROJECT NUMBER: 23142
 SHEET NUMBER: C2.0

PRELIMINARY



ON 22x34 SHEET SCALE: FULL (AS NOTED)
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NO.	DATE	BY	DESCRIPTION
1			

REVISION
 DATE ISSUED: 10/10/2023
 ISSUE PHASE: CLIENT REVIEW

PROJECT TITLE:
**GRAND HOTEL
 EARTH
 RETENTION
 SYSTEM**

CLIENT:
 POWER CONSTRUCTION

PROJECT LOCATION:
 CITY OF MACKINAC ISLAND, MI

SHEET TITLE:
**GRADING,
 SOIL EROSION
 &
 STORMWATER CONTROL PLAN**

PROJECT NUMBER: 23142
 SHEET NUMBER: C2.2

NOTES

- VERTICAL DATUM IS NAVD88, CONTOUR INTERVAL IS 1.0 FEET.
 - LOCATION AND TYPE OF EROSION CONTROL MEASURES ARE IDENTIFIED ON THE SKETCH BY KEY NUMBERS, EG, RELATING TO THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY UNIFIED KEYING SYSTEM AND BEST MANAGEMENT PRACTICES.
 - ALL STRUCTURES SHALL BE KEPT FREE OF DEBRIS DURING CONSTRUCTION USING CATCH BASIN INLET FILTERS.
 - CONTRACTOR IS TO USE THIS KEYING SYSTEM FOR ALL RESTORATION AND STRUCTURES TO BE MAINTAINED DURING CONSTRUCTION.
- ⑤ DENOTES TEMPORARY PRACTICES
 ③ DENOTES PERMANENT PRACTICES

CONSTRUCTION NOTES

- INSTALL 12" SLCPP W/ FLARED END SECTIONS
- INSTALL 1.3 CYD OF 4"-8" RIP RAP (6'x6') @ END OF DRAINAGE CHANNEL

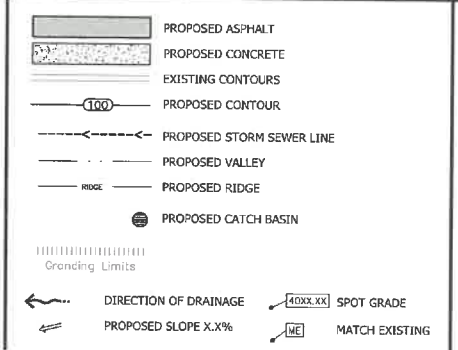
CATCH BASIN SCHEDULE

CB#1 (4' DIA)	CB#2 (4' DIA)
RIM= 668.80 (COVER A)	RIM= 654.65 (COVER B)
IE= 648.72 (12" SW)	IE= 648.00 (12" NE)
	IE= 638.08 (12" SW)

CATCH BASIN COVER SCHEDULE

CATCH BASIN	COVER TYPE
A	EJW #1020 W/ TYPE M3 ADA STYLE GRATE
B	EJW #1040 W/ TYPE AGS SOLID COVER

LEGEND



SE&SC KEYING SYSTEM

6	SEEDING w/ MULCH OR MATING	FACILITATES ESTABLISHMENT OF VEGETATIVE COVER. EFFECTIVE FOR DRAINAGEWAYS w/ LOW VELOCITY. EASEY TO MAINTAIN IN SMALL QUANTITIES BY INEXPERIENCED PERSONNEL. SHOULD INCLUDE PREPARED TOPSOIL BED.
10	MULCHING	USED ALONE TO PROTECT EXPOSED AREA FROM SOIL LOSS. PROTECTS SOIL FROM IMPACT OF FALLING RAIN. PRESERVES SOIL MOISTURE AND PROTECTS GERMINATING SEEDS FROM TEMPERATURE EXTREMES.
15	PAVING	PROTECTS AREA WHICH OTHERWISE CANNOT BE PROTECTED, BUT INCREASES RUNOFF VOLUME AND VELOCITY. IRREGULAR SURFACE WILL HELP SLOW VELOCITY.
57	GEOTEXTILE SILT FENCE	USES GEOTEXTILE AND POSTS OR BALES MAY BE CONSTRUCTED OR PREPACKAGED EASY TO CONSTRUCT AND LOCATE AS NECESSARY.
58	[Symbol]	USE AT STORMWATER INLETS ESPECIALLY AT CONSTRUCTION SITES.
61	FILTER ROLLS	IN AREAS REQUIRING IMMEDIATE PROTECTION OF SLOPES AGAINST SURFACE EROSION AND GULLY FORMATION AND FOR PERIMETER SEDIMENT CONTROL.



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REV	DATE	DESCRIPTION	BY	CHK
1	10/10/2023	ISSUE FOR CONSTRUCTION	JLH	JLH
2				
3				

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**GRAND HOTEL
EARTH
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SYSTEM**

CLIENT:
POWER CONSTRUCTION

PROJECT LOCATION:
CITY OF MACKINAC ISLAND, MI

SHEET TITLE:
**ENLARGED
GRADING
PLAN**

PROJECT NUMBER: 23142
SHEET NUMBER: C3.0