

TEST PIT 1
0-3 IN LOAMY TOP SOIL
3-13 IN BROWN LOAMY SAND WITH STONES
13-56 IN BRN MED/CO SAND MOIST TO WET AT
BOTTOM

TEST PIT 2
0-6" FILL
6-48 IN BRN MED SAND WITH STONES
48-64 IN CO. GRAY MOIST TO WET SAND
WATER AT 6 FT B.G.

TEST PIT 3
0-3 IN LOAMY TOP SOIL
3-38 IN BRN MED SAND WITH STONES
38-63 IN COARSE GRAVELLY MOIST GRAY
SAND WATER AT 4.5 FT B.G.

20. SALE & CONSUMPTION INSIDE BUILDING OF ALCOHOL, FOOD OR REFRESHMENTS:
Per table 36-334: (1) One parking space for each (4) four patron seat, plus (1) one parking space for each (2) two employees
Seating: 8 spaces
Office: 2 spaces
Number of spaces provided (20) spaces including (2) accessible spaces. Parking Dimension: 19'x10'

Pavement:
The parking lot will be fully paved.

Due to site constraints, the following is proposed:

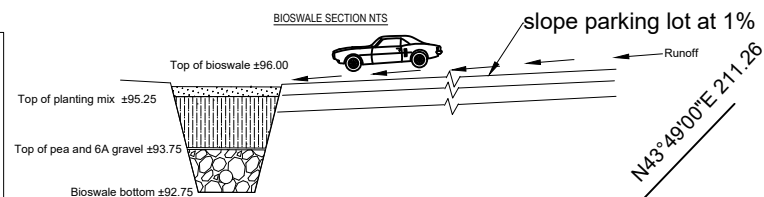
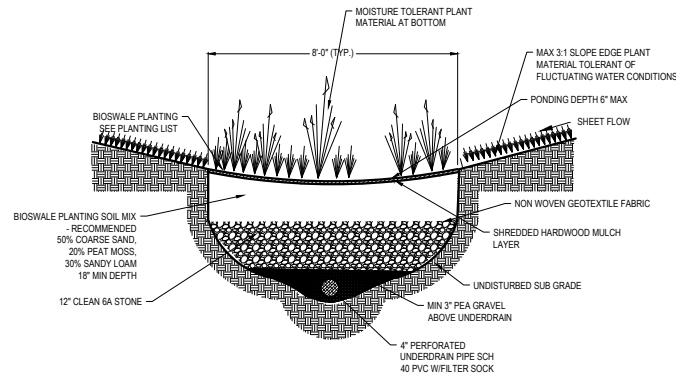
1. Roof drainage will be routed to a 15'X15'X3 drywell. Alternatively, use 3 NDS FWAs24 Flow Well Storm Water Leaching System (see NDS typ. detail) to store and discharge storm water to the sandy subsurface soils.
2. Parking lot drainage will be captured in a bioswale. See detailed calculations on Page 3.

STORMWATER MANAGEMENT CALCULATIONS

	Roof Drywell	Bioswale
Drains	Roof	Parking Lot
Drainage Area	3,723 SF (0.086 ac)	7412 SF (0.17 ac)
Runoff Coefficient, C	0.95	0.95
Required volume (1.3")	383 CF	763 CF
Provided volume	675 CF	3,535 CF

X 96.92	Existing Grade
96.92	Proposed Grade

BENCHMARK 100 (TOP OF GAS METER)



Bioswale
86x12
Storage Volume
±1032 CF

WOODEN FENCE-
6 FT HIGH

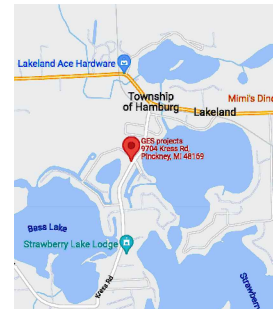
WELL

83

9732
EX. HOUSE

82

81



VICINITY MAP NTS

April Wood

**9704 KHESS ROAD
PARKING - WALL MOUNTED LIGHTS**

HAMBURG TWP. LIVINGSTON COUNTY
15-21-405-016



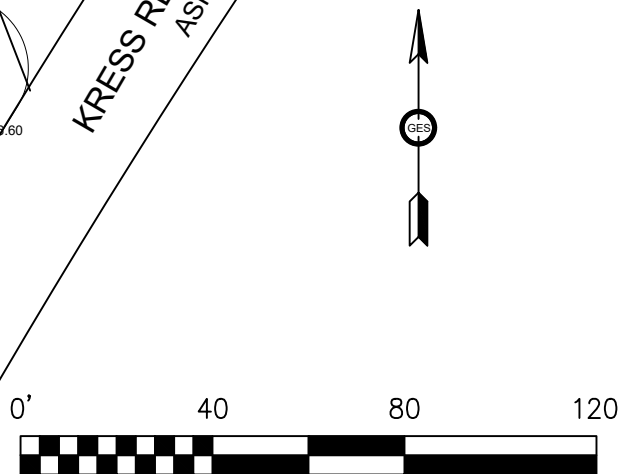
GES-LLC
Civil Engineering ♦ Surveying
5711 SOUTH ASHFORD WAY
YPSILANTI, MI 48197
PHONE: 734-272-9763

7.30.26	PER CLIENT	M.G.
3.01.23	PER IMEG COM 3.01.23	M.G.
1.27.23	PER IMEG COM 1.10.2023	M.G.
12.22.22	PER LCRD COMMENTS	M.G.
12.15.22	ADDED EX TREE LINE AND PARKING LIGHTS	M.G.
DATE	REVISIONS	BY

DRAWN BY:	M.G.
CHECKED BY:	M.G.
APPROVED BY:	M.G.

PROJECT No. **WOOLEY21**

SHEET No.:
C-2



SCALE: 1" = 40