



NOTE: BENCH MARK ELEVATION WAS DETERMINED BY CORRELATING AERIAL SURVEY DATA WITH DATA COLLECTED IN WATERWAYS STADIA SURVEY. EXISTING CONTOURS SHOULD BE CHECKED BEFORE PROCEEDING WITH CONSTRUCTION.

QUANTITIES	
CUT	4,600 CYD
FILL	4,500 CYD
GRAVEL-4 COMPACTED	400
CRUSHED STONE	40
DRESSING	200
CONCRETE PLANKS	93 EACH
CONCRETE CURBS-8'	40 EACH
GUARD POSTS-10'x4"	110 EACH
SKID PIER	2 EACH
Vault Type TOILETS	2 EACH
12" CMP CULVERT	140 LIN. FT.

3900 CYD BORROW AVAILABLE FROM OLD ROADWAY, AS SHOWN, AND FROM EXISTING IN THE PARK. EARTHWORK CALCULATED WITH 1 ON 4 SLOPES. ROADWAY WIDTHS, AS SHOWN, INCLUDE A 1' SHOULDER ON EACH SIDE.

LEGEND	
EX. CONTOUR	1560
SPOT GRADE (PROPOSED)	120
CONCRETE CURBS	---
GUARD POSTS

APPROVED BY
D. PALO 2-23-72
PARKS DIVISION, CHIEF-DATE

DESCRIPTION	DATE	BY	CHECKED BY
DESIGNED	1/72	D. PALO	
DRAWN	1/72	D. PALO	
TRACED BY			
CHECKED BY			

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
PARKS & WATERWAYS DIVISIONS

BOAT LAUNCHING SITE
VAN RIPER STATE PARK (LAKE MICHIGAMME)
MARQUETTE COUNTY, MICHIGAMME TOWNSHIP
T48N, R30W, SECTION 36

WATERWAYS NO. 52-55
SHEET 1 OF 1
PLAN NO. L-109