

REFERENCE POINTS

R.P.	NORTH	EAST	ELEV.	DESC.
3	583.05	1702.02	102.06	IRON
4	551.34	1347.15	115.54	IRON
5	861.18	1064.50	130.26	IRON
6	805.56	1105.78	146.07	IRON

WITNESSES TO R.P.
 R.P. 4 (CAPPED IRON)
 NAIL S. SIDE 16" OAK, N75°W, 16.83'
 NAIL E. SIDE 28" BEECH, S15°W, 30.32'
 NAIL W. SIDE 18" OAK, N25, 50.55'
 EDGE OF BITUMINOUS N., 5.0'±
 R.P. 5 (CAPPED IRON)
 NAIL E. SIDE 12" OAK, S20°W, 31.46'
 NAIL S. SIDE 12" PINE, S40°E, 26.96'
 80# NAIL N. SIDE 14" PINE, WEST, 23.78'
 EDGE OF BITUMINOUS N., 4.0'±
 BENCH MARK
 BM 2
 60# NAIL N. SIDE 14" PINE
 ELEVATION 133.91

TREE LEGEND
 B = BEECH
 C = CEDAR
 DT = DEAD TREE
 M = MAPLE
 O = OAK
 P = PINE
 T = TREE

SYMBOL LEGEND
 MBT BOX
 TREE
 WOODS
 C&G
 CURB AND GUTTER

NOTE: BENCH MARK ELEVATION BASED ON PLANS FOR "SNUG HARBOR" SHEET 8 OF 9 (ON FILE AT PARK OFFICE).
 *USED TOP OF WET WELL WITH PUMP ELEVATION 101.00 (SHEET 2 OF 2)

NOTE:
 AN EXISTING ABANDONED WELL IS LOCATED AT THE CONCRETE PAD. THE WELL CASING SHALL BE REMOVED TO A DEPTH OF 3' BELOW THE PROPOSED ABSORPTION BEDS AND SHALL BE ABANDONED IN ACCORDANCE WITH MDPH REQUIREMENTS.

NOTE:
 TREES WITHIN GRADING LIMITS SHALL BE REMOVED. LIMBS GREATER THAN 4" AND TRUNKS SHALL BE CUT INTO 10' LENGTHS AND DELIVERED TO PARK YARD TO A SITE DESIGNATED BY PROJECT MANAGER. REMAINING LIMBS SHALL BE CHIPPED AND DELIVERED TO THE PARK YARD TO A SITE DESIGNATED BY PROJECT MANAGER. STUMPS SHALL BE REMOVED FROM PARK SITE.

REMOVE EXISTING GRAVEL DRIVE. AREA TO BE TOPSOILED, SEEDED, FERTILIZED AND MULCHED.

SEE SHEET 17 FOR SEPTIC TANK, SIPHON CHAMBER, AND ABSORPTION FIELD DETAILS.

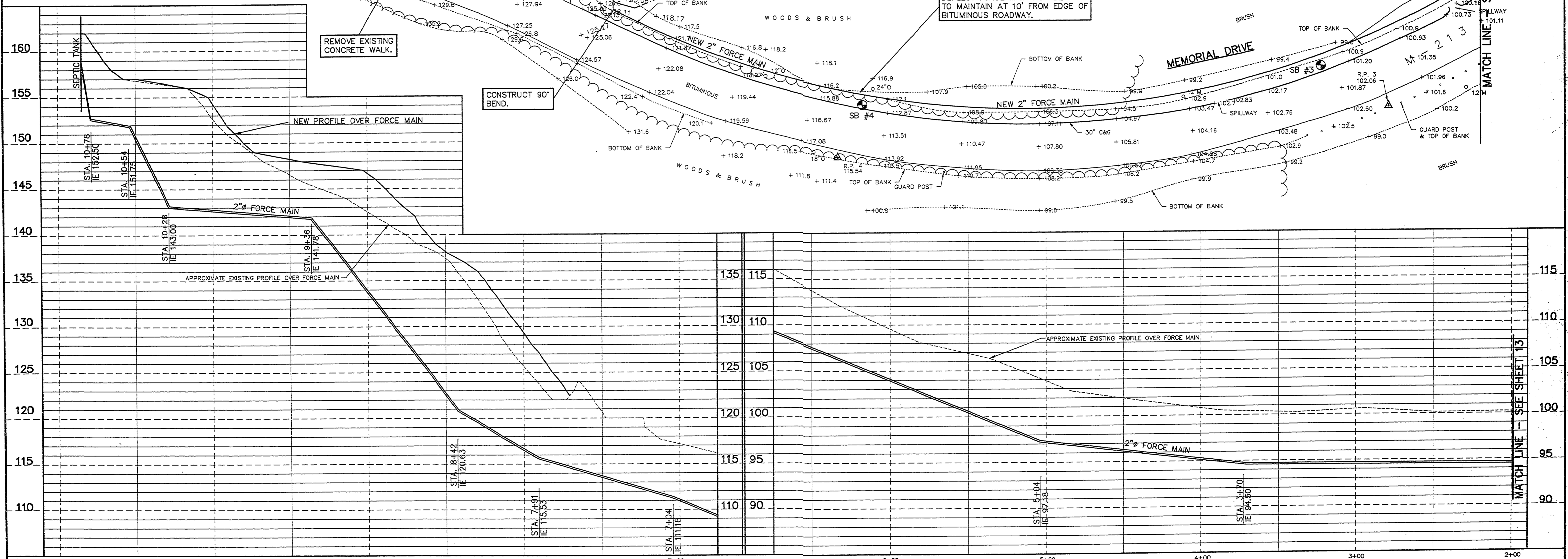
APPROXIMATE LOCATION OF DEMOLISHED HOUSE. CONTRACTOR SHALL EXCAVATE BURIED RUBBLE TO A DEPTH OF 8'± TO BOTTOM AND REMOVE FROM PARK SITE. EXCAVATION SHALL BE BACKFILLED WITH MDOT CLASS II GRANULAR MATERIAL PLACED IN LOOSE LIFTS OF 12".

CONSTRUCT 10' WIDE BITUMINOUS DRIVE. MATCH EXISTING BITUMINOUS SURFACE WITH NEW BITUMINOUS. SEE SHEET 4 FOR DETAILS. DRIVE SHALL BE TILTED TO THE EAST.

REMOVE EXISTING BITUMINOUS DRIVE AND CONCRETE CURB.

LIMITS OF DRIVE REMOVAL. EXISTING BITUMINOUS TO BE SAWCUT.

DEFLECT FORCE MAIN AS REQUIRED TO MAINTAIN AT 10' FROM EDGE OF BITUMINOUS ROADWAY.



FILE NO. 1156FNS2
 PLOT DATE: 08-21-94
 UPDATED BY: LJS

DRN BY: LJS	IDENTIFICATION NO. PROJECT - MUSKEGON	ISSUED FOR: PRELIMINARY	DATE: 7-21-94
QCD BY: GJF	STATE ACCOUNT	CONSTRUCTION	DATE: 9-23-94
APPD BY: GDA	607-75-2450-400	FINAL RECORD	

CAPITAL CONSULTANTS ENGINEERS
 200 N. WOODSTOCK AVE., LANSING, MICHIGAN 48206 TELEPHONE 973-1200

STATE OF MICHIGAN
 DEPARTMENT OF MANAGEMENT AND BUDGET
Office of Facilities

QUALITY OF LIFE RECREATION BOND
 MICHIGAN DEPARTMENT OF NATURAL RESOURCES
 PARKS DIVISION - STATE ACCT. NO. 607-75-2450-400

MUSKEGON STATE PARK
 SNUG HARBOR WASTEWATER SYSTEM
 FORCE MAIN PLAN AND PROFILE

SCALE: HORIZ. 1"=30'
 VERT. 1"=5'

PROJ. NO.: 91159
 SHEET 14 OF 21