

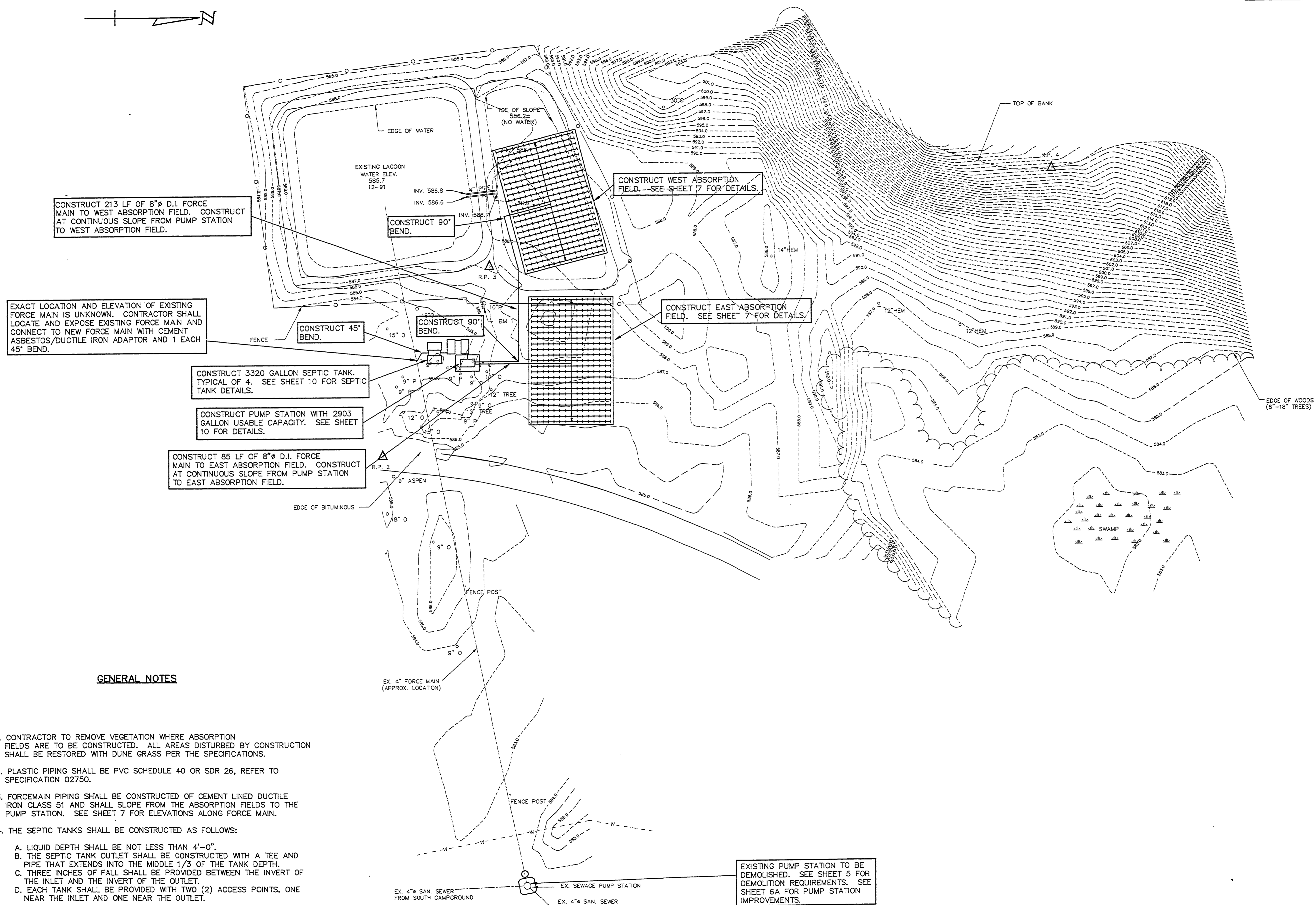
SYMBOL LEGEND		REFERENCE POINTS				
TREE LEGEND	TREE VALVE	R.P. #	NORTH	EAST	ELEV.	DESC.
HEM = HEMLOCK	*	1	1000.00	1000.00	585.16	COR. CONC.
O = OAK	•	2	1411.41	1000.00	585.16	PK NAIL
P = PINE	•	3	1506.84	830.20	588.85	IRON
		4	2006.04	744.95	626.56	IRON

BENCH MARK
 BM 1
 NAIL IN E. SIDE 10" PINE
 ELEVATION 587.41

WITNESSES TO R.P.

R.P. 1
 N.W. COR. CONC. TO CONTACT
 STATION (CHANNEL CAMPGROUND)

R.P. 2 (PK NAIL)
 NAIL S. SIDE 18" OAK, S85E, 52.47'
 NAIL E. SIDE 14" OAK, N25W, 43.74'
 NAIL N. SIDE 8" HEMLOCK, S60W, 56.17'
 FACE OF SIGN POST, S80W, 15.16'



CONSTRUCT 213 LF OF 8" Ø D.I. FORCE MAIN TO WEST ABSORPTION FIELD. CONSTRUCT AT CONTINUOUS SLOPE FROM PUMP STATION TO WEST ABSORPTION FIELD.

CONSTRUCT 90° BEND.

CONSTRUCT WEST ABSORPTION FIELD. --SEE SHEET 7 FOR DETAILS.

EXACT LOCATION AND ELEVATION OF EXISTING FORCE MAIN IS UNKNOWN. CONTRACTOR SHALL LOCATE AND EXPOSE EXISTING FORCE MAIN AND CONNECT TO NEW FORCE MAIN WITH CEMENT ASBESTOS/DUCTILE IRON ADAPTOR AND 1 EACH 45° BEND.

CONSTRUCT 45° BEND.

CONSTRUCT 90° BEND.

CONSTRUCT EAST ABSORPTION FIELD. SEE SHEET 7 FOR DETAILS.

CONSTRUCT 3320 GALLON SEPTIC TANK. TYPICAL OF 4. SEE SHEET 10 FOR SEPTIC TANK DETAILS.

CONSTRUCT PUMP STATION WITH 2903 GALLON USABLE CAPACITY. SEE SHEET 10 FOR DETAILS.

CONSTRUCT 85 LF OF 8" Ø D.I. FORCE MAIN TO EAST ABSORPTION FIELD. CONSTRUCT AT CONTINUOUS SLOPE FROM PUMP STATION TO EAST ABSORPTION FIELD.

GENERAL NOTES

- CONTRACTOR TO REMOVE VEGETATION WHERE ABSORPTION FIELDS ARE TO BE CONSTRUCTED. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED WITH DUNE GRASS PER THE SPECIFICATIONS.
- PLASTIC PIPING SHALL BE PVC SCHEDULE 40 OR SDR 26, REFER TO SPECIFICATION 02750.
- FORCEMAIN PIPING SHALL BE CONSTRUCTED OF CEMENT LINED DUCTILE IRON CLASS 51 AND SHALL SLOPE FROM THE ABSORPTION FIELDS TO THE PUMP STATION. SEE SHEET 7 FOR ELEVATIONS ABSORPTION FIELDS.
- THE SEPTIC TANKS SHALL BE CONSTRUCTED AS FOLLOWS:
 - LIQUID DEPTH SHALL BE NOT LESS THAN 4'-0".
 - THE SEPTIC TANK OUTLET SHALL BE CONSTRUCTED WITH A TEE AND PIPE THAT EXTENDS INTO THE MIDDLE 1/3 OF THE TANK DEPTH.
 - THREE INCHES OF FALL SHALL BE PROVIDED BETWEEN THE INVERT OF THE INLET AND THE INVERT OF THE OUTLET.
 - EACH TANK SHALL BE PROVIDED WITH TWO (2) ACCESS POINTS, ONE NEAR THE INLET AND ONE NEAR THE OUTLET.

EXISTING PUMP STATION TO BE DEMOLISHED. SEE SHEET 5 FOR DEMOLITION REQUIREMENTS. SEE SHEET 6A FOR PUMP STATION IMPROVEMENTS.

FILE NO.: 1159025T
 PLOT DATE: 11-09-94
 UPDATED BY: LJS

DRN BY:	IDENTIFICATION NO.	ISSUED FOR	DATE
DAL	PROJECT - MUSKEGON	PRELIMINARY	7-21-94
GJF	STATE ACCOUNT	CONSTRUCTION	11-09-94
GDA	607-75-2450-400	FINAL RECORD	



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
 CAMPGROUND WASTEWATER SYSTEM
 SITE PLAN

SCALE: 1"=40'
 PROJ. NO.: 91159
 SHEET 6 OF 21

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