

SECTION VIEW

PLAN VIEW

SEPTIC TANKS AND SIPHON CHAMBER DETAILS  
NO SCALE

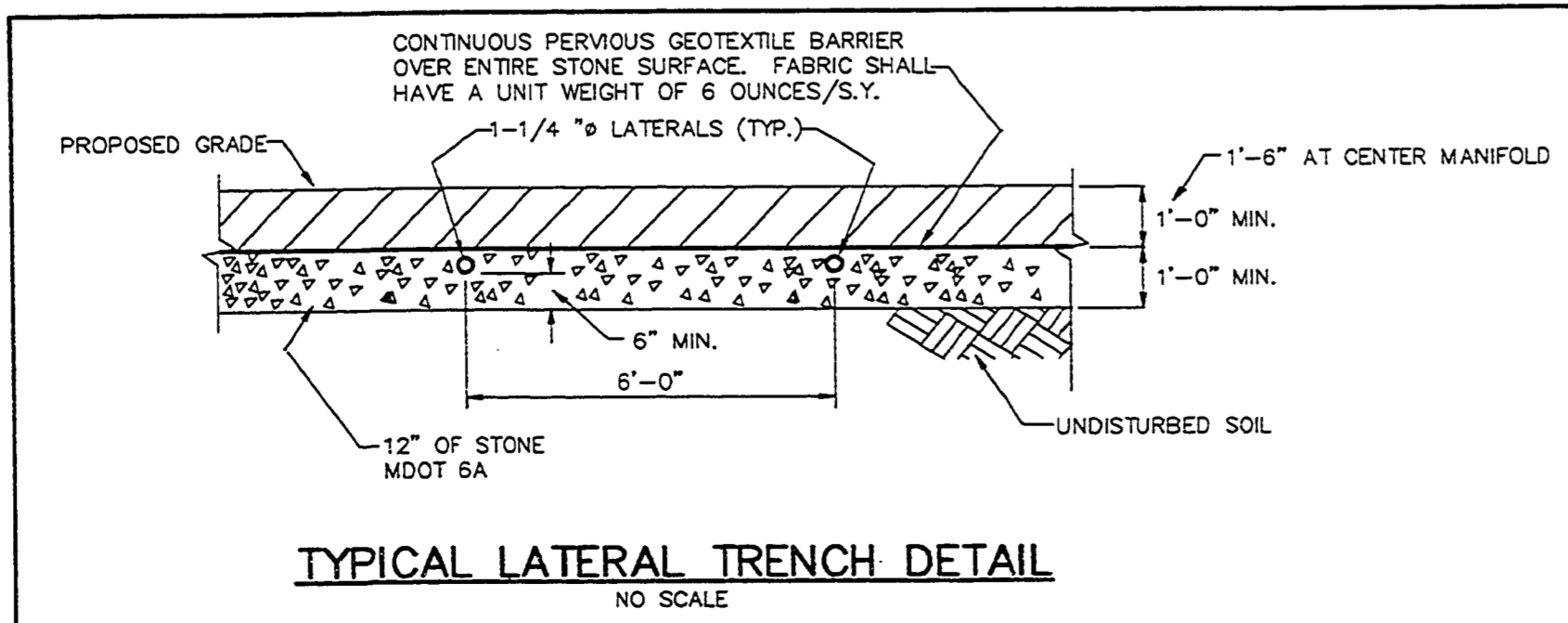
NOTE:  
ITEMS REMOVED AS SHOWN ON  
SHEET 14 ARE NOT SHOWN ON  
THIS SHEET.

GENERAL NOTES

1. THE SEPTIC TANKS AND SIPHON CHAMBER TANK SHALL BE PRECAST CONSTRUCTION WITH INTEGRAL BASES AS MANUFACTURED BY ADVANCED CONCRETE PRODUCTS OR EQUAL.
2. THE USABLE CAPACITY IN THE TWO SEPTIC TANKS IS THE VOLUME CONTAINED BELOW THE TANK OUTLET ELEVATION.
3. MANHOLE COVERS IN SEPTIC TANKS SHALL BE EXTENDED TO GROUND SURFACE AND SHALL BE E.J.I.W. 1170 WT OR EQUAL.
4. SEPTIC TANKS SHALL BE CONSTRUCTED WITH RUBBER BOOTS AT ALL PIPE OPENINGS.
5. ACCESS OPENINGS ABOVE SEPTIC TANK TO CASTING SHALL BE CONSTRUCTED WITH MANHOLE ADJUSTING RINGS. STAINLESS STEEL THREADED RODS SHALL BE UTILIZED TO CONNECT CASTING AND ADJUSTMENT RINGS TO PRECAST TANK TOP.
6. OUTLET PIPE FOR SEPTIC TANK SHALL EXTEND INTO MIDDLE THIRD OF THE LIQUID LEVEL.
7. PLASTIC PIPING SHALL BE PVC SCHEDULE 40 OR SDR 26. REFER TO SPECIFICATION 02750.
8. AFTER DRILLING 3/8" HOLES IN THE LATERAL PIPING, CONTRACTOR SHALL REMOVE ANY BURRS. LATERALS SHALL HAVE CAPS INSTALLED ON END.
9. SOLVENT WELD TYPE PIPE SHALL BE CONSTRUCTED PER MANUFACTURERS RECOMMENDATION.
10. TWO 3/8" HOLES SHALL BE DRILLED IN EACH END OF EACH 4" MANIFOLD PIPE TO PROVIDE DRAINAGE. THE 4" MANIFOLD PIPES ARE TO BE LEVEL AT ELEVATION SHOWN ON DRAWINGS.

**LEGEND**

---	NEW CONTOURS
.....	EXISTING CONTOURS



CONSTRUCT 1-1/4" SOLVENT WELD PVC LATERALS @ 0.10% AWAY FROM CENTER MANIFOLD. DRILL 3/8" HOLES @ 6 FOOT SPACING. TYPICAL OF BOTH BEDS.

CONSTRUCT 5148 S.F. ABSORPTION FIELD WITH PRESSURE-DISTRIBUTION NETWORK. TYPICAL OF TWO.

DRILL 2 EACH 3/8" HOLES IN BOTTOM OF MANIFOLD AT EACH END. TYPICAL OF EACH NETWORK.

CONSTRUCT 4" PVC CENTER MANIFOLD. @ ELEVATION 147.17. TYPICAL BOTH BEDS.

CONSTRUCT 6" PVC PIPE FROM DUCTILE IRON PIPE TO CENTER MANIFOLD. TYPICAL OF BOTH BEDS.

CONSTRUCT 90° BEND.

LATERALS SHALL BE 30' IN LENGTH. FIRST HOLE SHALL BE LOCATED 6 FEET FROM CENTER MANIFOLD. TYPICAL EACH BED.

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

**CAPITAL CONSULTANTS ENGINEERS**  
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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  
ABSORPTION FIELD DETAILS

SCALE: 1"=20'  
PROJ. NO.: 91159  
SHEET 17 OF 21

FILE NAME: 1094FDT  
DRAWING NO.: 91159-04  
UPDATED BY: LJS