

CONSTRUCTION PLANS FOR SANITATION STATIONS AT MICHIGAN STATE PARKS

SHEET INDEX

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STD. DETAIL-SANITATION STATION	2
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PARK NAME	FILE NO.	PROJECT NO.	
YANKEE SPRINGS	E-140	RGIII-22-108-300-271-CIA	4
WARREN DUNES	E-115	RGIII-21-108-300-271-CIA	4
LUDINGTON	E-124	RGII-7-108-300-271-CIA	5
SILVER LAKE	E-106	PR32-258-300-013-CI	5
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HIGGINS LAKE	E-120	RGII-5-108-300-271-C3A	10
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LOCATION MAP

- CONSTRUCTION NOTES
1. ALL WATER LINES SHALL HAVE 42" MIN. COVER OVER TOP OF PIPE.
 2. ALL SEWER LINES TO MANHOLES AND WET WELLS SHALL HAVE 3' MIN. COVER OVER TOP OF PIPE UNLESS OTHERWISE NOTED.
 3. ALL SEWER LINE GRADES SHALL BE DETERMINED BY THE ENGINEER. ALL SEWER LINE GRADES, BUT NOT INCLUDING LINES IN TIE PILES, SHALL HAVE A MINIMUM GRADE OF 1" / 100' UNLESS OTHERWISE NOTED.
 4. ALL SEWER LINES TO SEPTIC TANKS AND TIE FIELD DISTRIBUTION BOXES SHALL HAVE AN 18" MIN. COVER OVER TOP OF PIPE EXCEPT UNDER SANITATION STATION RAILWAYS WHERE THEY SHALL HAVE 2' MIN. COVER OVER TOP OF PIPE.
 5. MAXIMUM CUT FOR SEWER LINES WILL NOT EXCEED APPROX. 6' UNLESS OTHERWISE NOTED.
 6. WATER LINES AND SEWER LINES SHALL BE LAID IN SEPARATE TRENCHES AT LEAST 2' APART, CENTER TO CENTER, WHEN RUNNING SIDE BY SIDE.
 7. SEWER INVERTS AT WET WELLS SHALL BE 4" MIN. ABOVE THE HIGH LIQUID LEVEL.
 8. STANDARD PIPE FITTINGS, JOINTS, AND ACCESSORIES AS SPECIFIED ON PLANS BUT SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL BE INCIDENTAL TO THE CONTRACT.
 9. ALL CLEAR AND GRUBBING QUANTITIES AND EARTHWORK QUANTITIES ARE APPROX. AND SUCH WORK SHALL BE INCIDENTAL TO THE CONTRACT. BORROW QUANTITIES INCLUDE 20% FOR SHRINKAGE.
 10. THESE PLANS ARE PROVIDED TO INSURE PROPER CONSTRUCTION OF SANITATION STATIONS. WATER LINES TO EXIST WATER SUPPLY, SEWER LINES TO EXIST MANHOLES OR CONST. OF SEWER LINE, SEPTIC TANK & TIE FIELD INSTALLATIONS, AS DETAILED ON PLANS. THE SANITATION STATION LOCATION IS AS SHOWN ON EACH PLAN & AS DETAILED ON SHEET #2. THE WATER LINES & SEWER LINES ARE IN HEAVY BLACK LINES. NOTES IN BOXES DENOTE CONSTRUCTION ITEMS.

- LEGEND OF PLANS
- | | | | |
|---|--------------------------------------|----|----------------|
| ○ | CANTARY SEWER | 60 | GRAVELLED PAV. |
| ○ | MANHOLE OR WET WELL | 61 | GRAVELLED PAV. |
| ○ | SEWER LINE | 62 | GRAVELLED PAV. |
| ○ | WATER LINE | 63 | GRAVELLED PAV. |
| ○ | HYDRANT | 64 | GRAVELLED PAV. |
| ○ | SEWER LINE TO MANHOLE | 65 | GRAVELLED PAV. |
| ○ | SEWER LINE TO WET WELL | 66 | GRAVELLED PAV. |
| ○ | SEWER LINE TO TIE FIELD | 67 | GRAVELLED PAV. |
| ○ | SEWER LINE TO SEPTIC TANK | 68 | GRAVELLED PAV. |
| ○ | SEWER LINE TO FIELD DISTRIBUTION BOX | 69 | GRAVELLED PAV. |
| ○ | SEWER LINE TO FIELD DISTRIBUTION BOX | 70 | GRAVELLED PAV. |
| ○ | SEWER LINE TO FIELD DISTRIBUTION BOX | 71 | GRAVELLED PAV. |
| ○ | SEWER LINE TO FIELD DISTRIBUTION BOX | 72 | GRAVELLED PAV. |
| ○ | SEWER LINE TO FIELD DISTRIBUTION BOX | 73 | GRAVELLED PAV. |
| ○ | SEWER LINE TO FIELD DISTRIBUTION BOX | 74 | GRAVELLED PAV. |
| ○ | SEWER LINE TO FIELD DISTRIBUTION BOX | 75 | GRAVELLED PAV. |
| ○ | SEWER LINE TO FIELD DISTRIBUTION BOX | 76 | GRAVELLED PAV. |
| ○ | SEWER LINE TO FIELD DISTRIBUTION BOX | 77 | GRAVELLED PAV. |
| ○ | SEWER LINE TO FIELD DISTRIBUTION BOX | 78 | GRAVELLED PAV. |
| ○ | SEWER LINE TO FIELD DISTRIBUTION BOX | 79 | GRAVELLED PAV. |
| ○ | SEWER LINE TO FIELD DISTRIBUTION BOX | 80 | GRAVELLED PAV. |

DESIGNED BY	DATE	REVIEWED	DATE	APPROVED	DATE	NO.	DATE	BY
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Van Riper State Park

CONTRACT NO. 4-7-65
 H. H. HARRIS
 6/7/65
 H. H. HARRIS 6-7-65