


IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS FOR ROCK CREEK STATE PARK SANITARY SEWER LINING

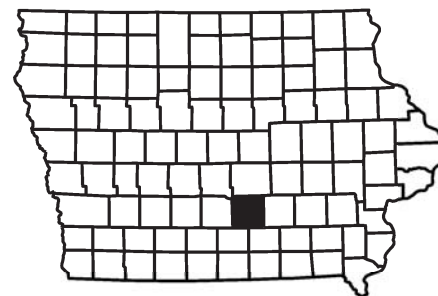
JASPER COUNTY, IOWA

PROJECT # 21-05-50-03



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Mike Hameed
Shahid Hameed Date
My license renewal date is December 31, 2022.
Pages or sheets covered by this seal: ALL



PROJECT MANAGER		CONSTRUCTION INSPECTOR	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
ADDRESS	502 EAST 9TH STREET	ADDRESS	
CITY, STATE, ZIP	DES MOINES, IA, 50319	CITY, STATE, ZIP	
CONTACT	MIKE HAMEED	CONTACT	JASON KRUSE
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PROJECT DESCRIPTION
THIS PROJECT CONSISTS OF REHABILITATING GRAVITY SEWER LINES BY CIPP LINING AND REPLACEMENT.

AUTHORIZATION TO BID
Seth Moore
Digitally signed by Seth Moore
Date: 2022.09.20 09:45:56 -05'00'
AUTHORIZATION - PARKS | WILDLIFE | FISHERIES | LAW ENFORCEMENT | FORESTRY DATE
ENGINEERING BUREAU CHIEF DATE

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CONSULTANT:



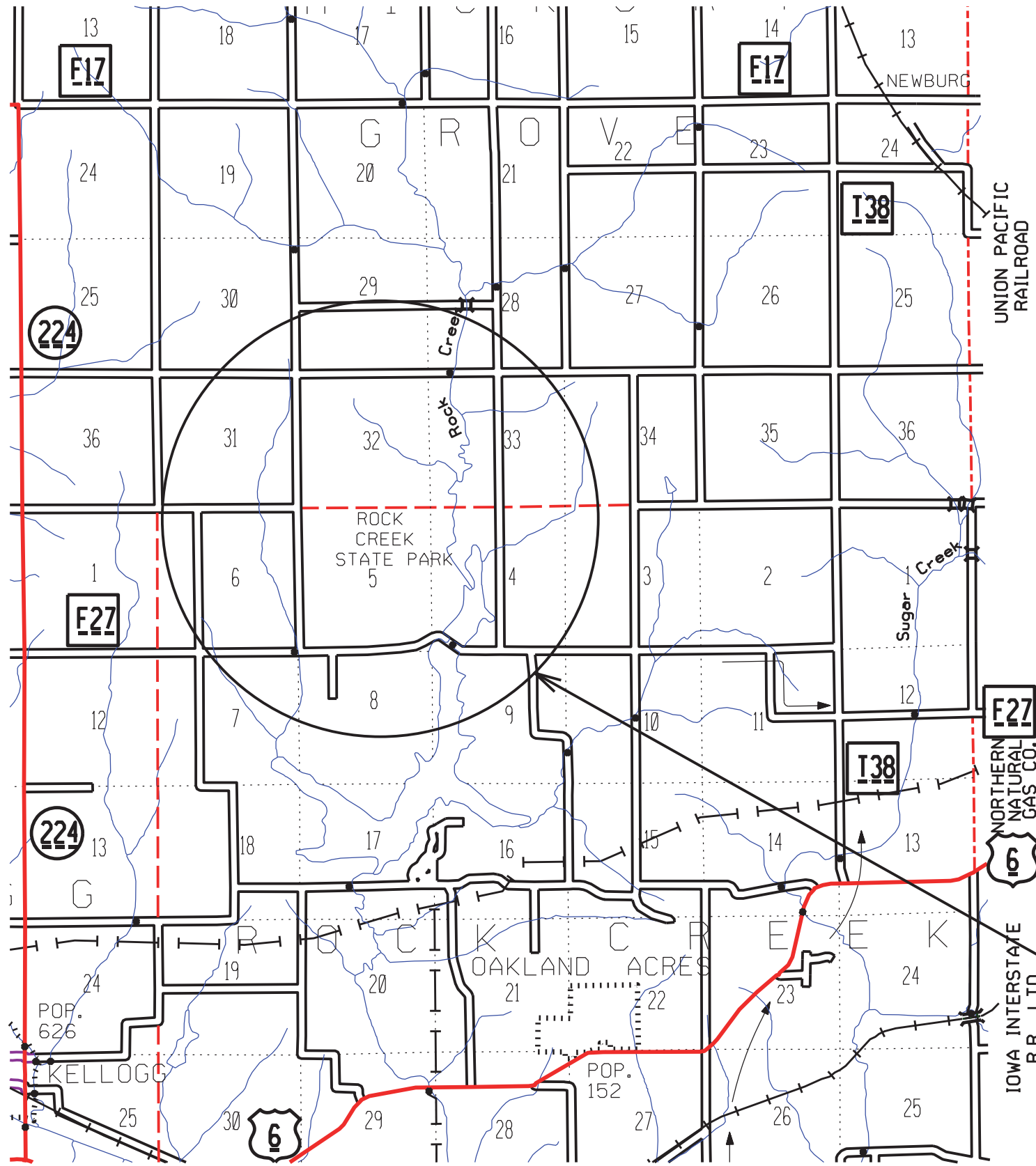
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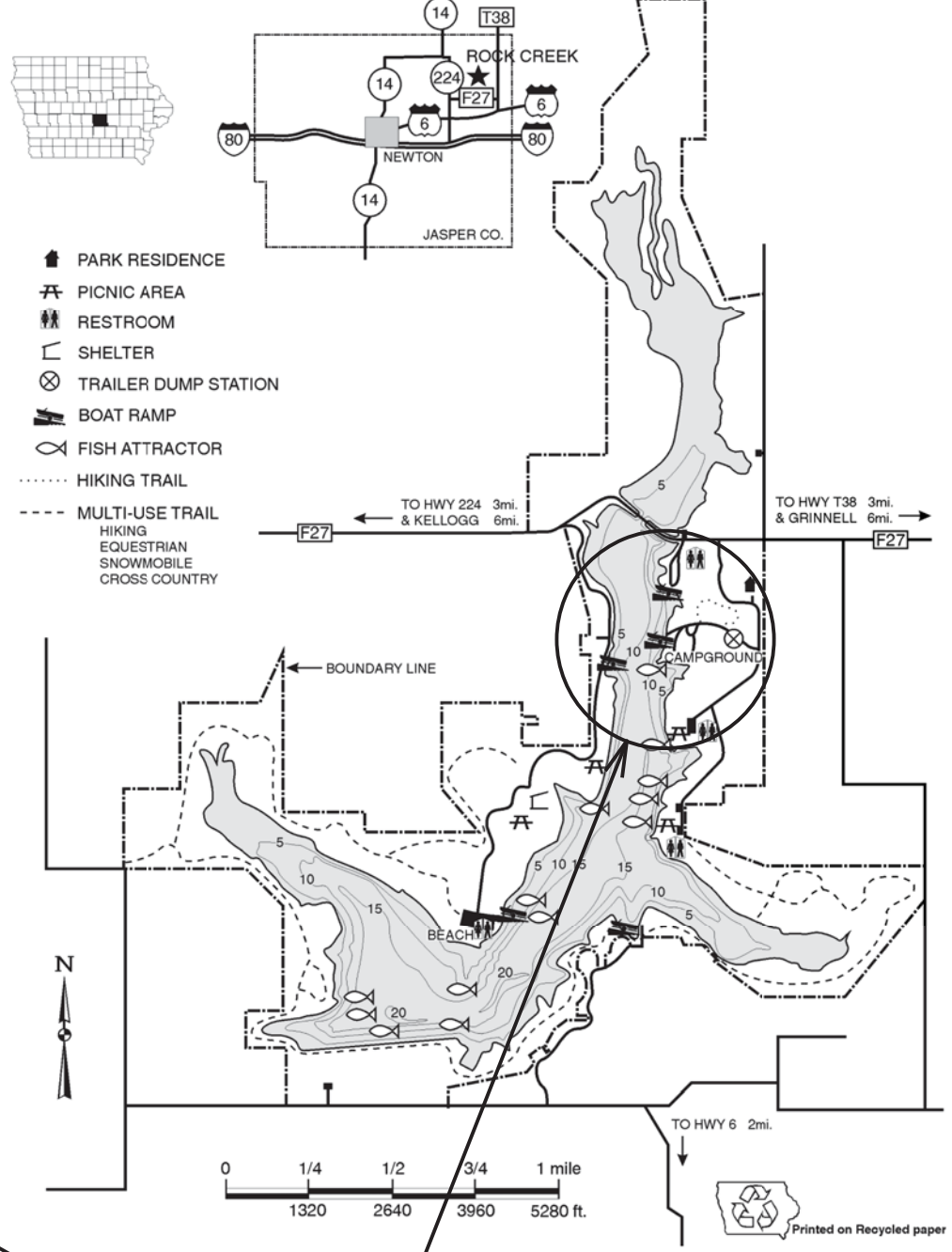
COVER SHEET
SEWER LINING
ROCK CREEK STATE PARK
JASPER COUNTY

NO.	BY DATE	REVISION

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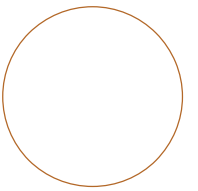


ROCK CREEK STATE PARK



PROJECT LOCATION

CONSULTANT:



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PROJECT LOCATION

SEWER LINING

ROCK CREEK STATE PARK

JASPER COUNTY

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SEWER LAYOUT

SEWER LINING

ROCK CREEK STATE PARK

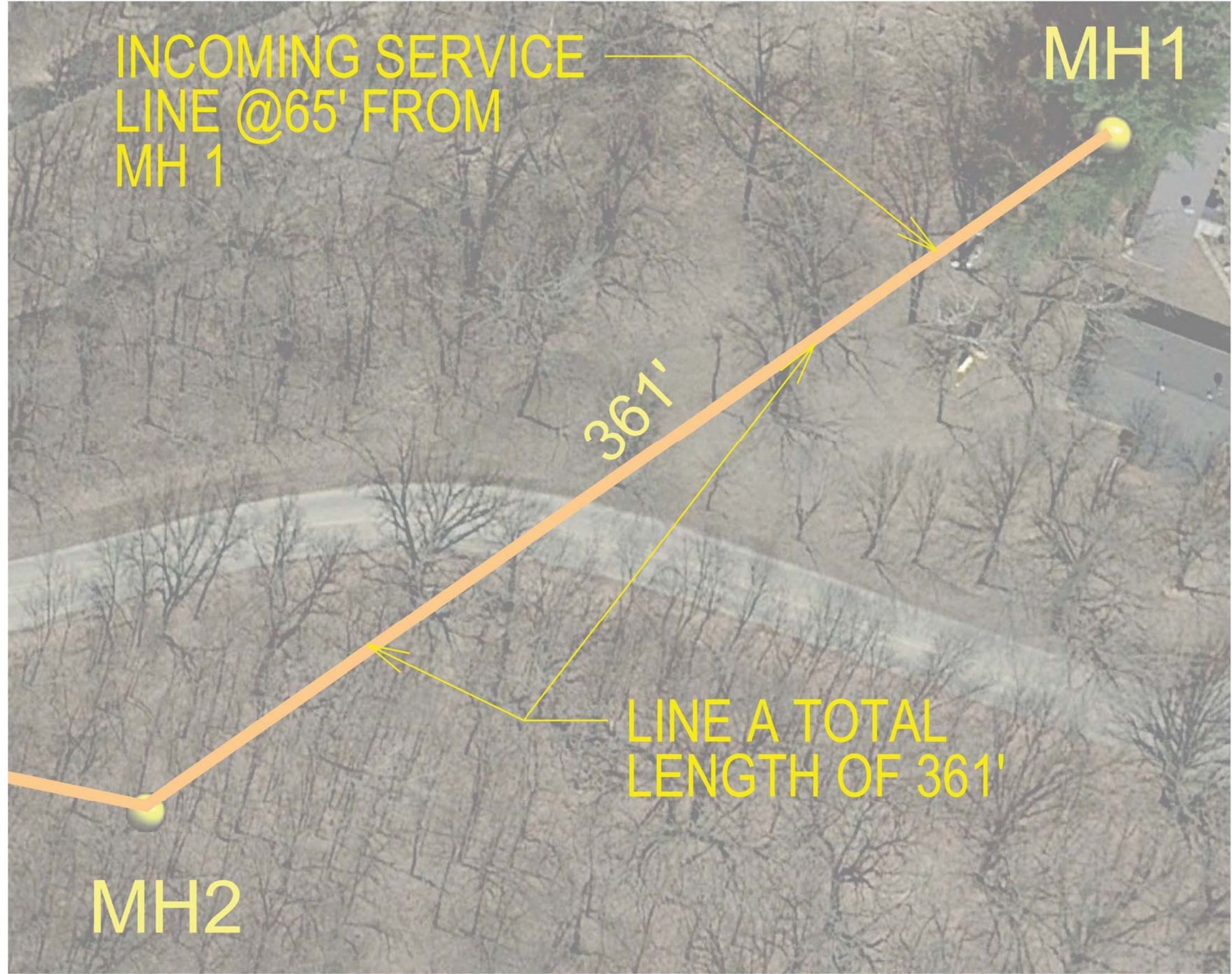
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MANHOLE 1-2

SEWER LINING

ROCK CREEK STATE PARK

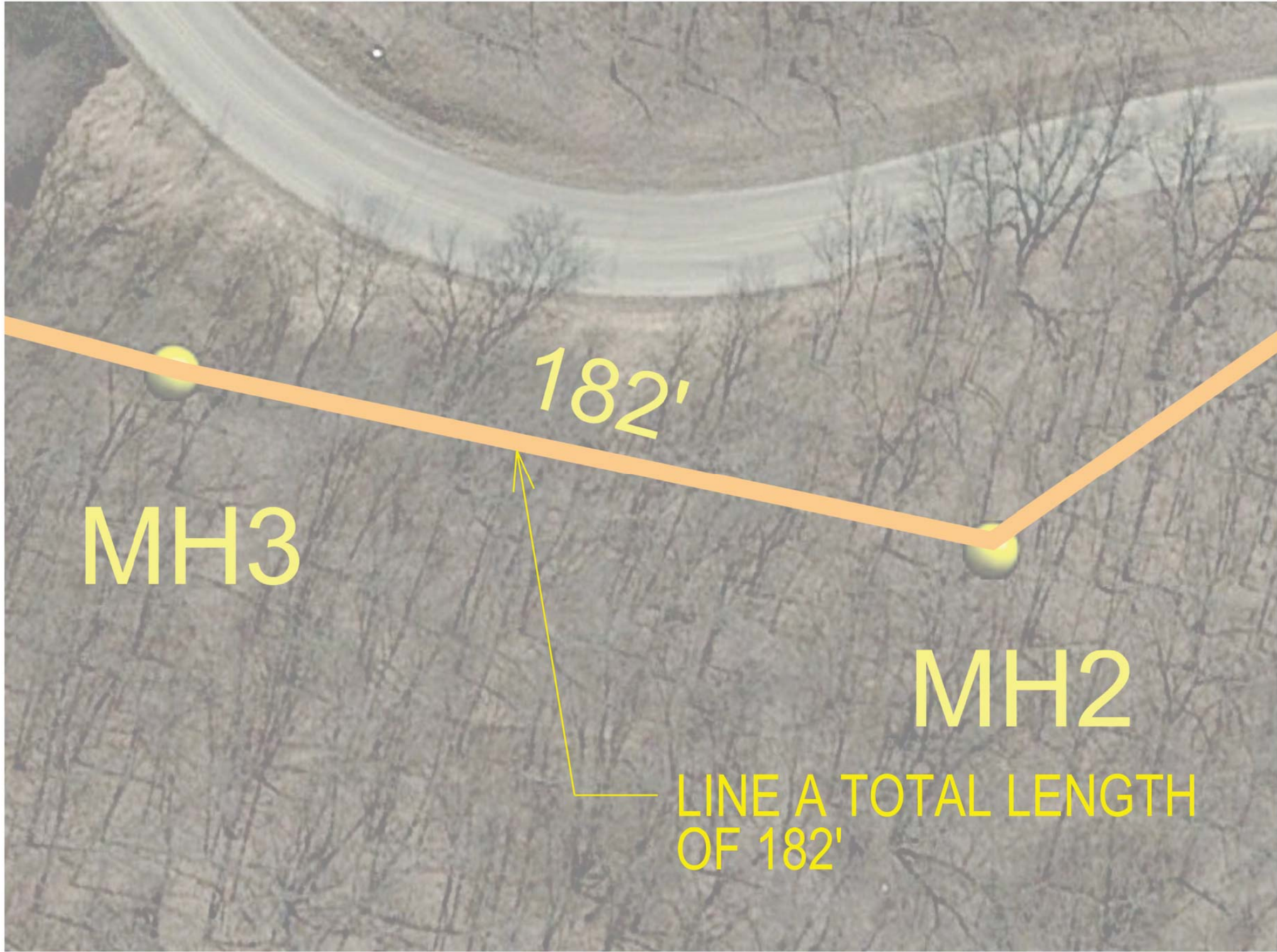
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MH3

182'

MH2

LINE A TOTAL LENGTH OF 182'

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MANHOLE 2-3
 SEWER LINING

ROCK CREEK STATE PARK

JASPER COUNTY

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5



MH4

302'

MH3

LINE A TOTAL LENGTH
OF 302'

CONSULTANT:



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MANHOLE 3-4

SEWER LINING

ROCK CREEK STATE PARK

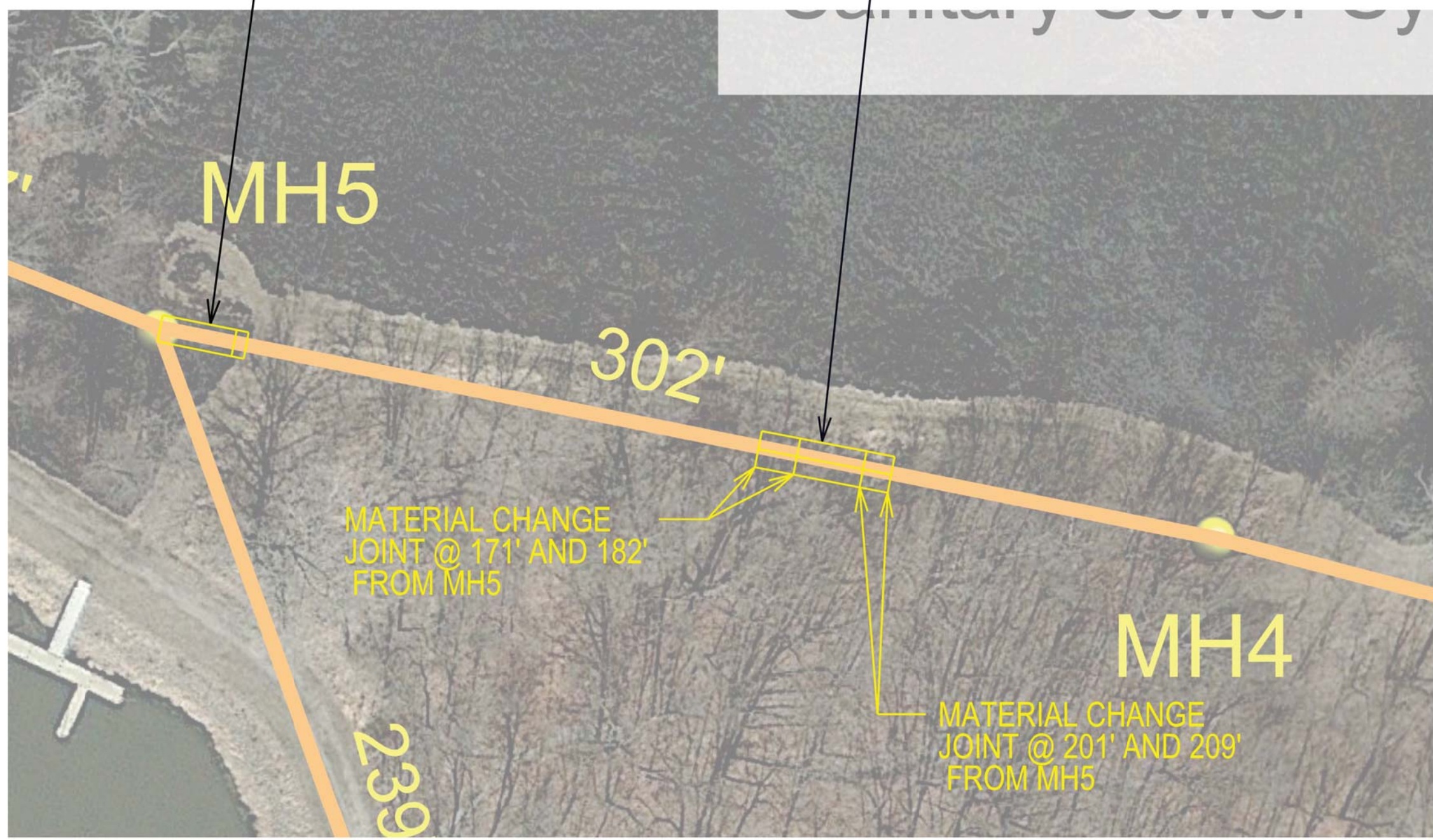
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SHEET No:



POINT REPAIR MH5 - MH4
REPLACE PIPE FROM MH5
TO 23' WITH 6" PVC
SDR 35 PIPE

POINT REPAIR
REPLACE PIPE FROM
171' TO 209' FROM MH 5
WITH 6" PVC SDR 35 PIPE

MH5

302'

MATERIAL CHANGE
JOINT @ 171' AND 182'
FROM MH5

MH4

MATERIAL CHANGE
JOINT @ 201' AND 209'
FROM MH5

239'

CONSULTANT:



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MANHOLE 4-5

SEWER LINING

ROCK CREEK STATE PARK

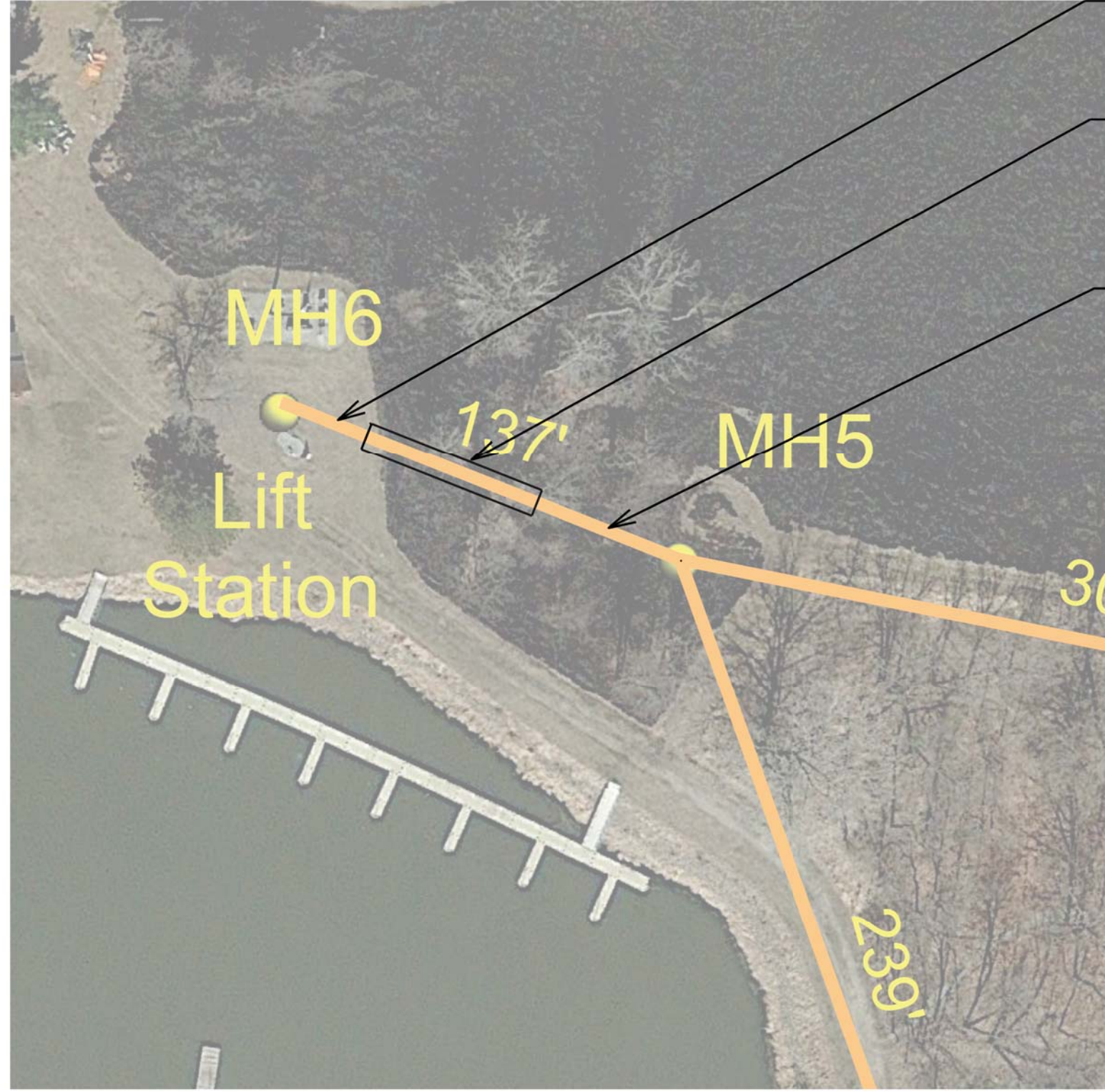
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SHEET No: **7**



AFTER POINT REPAIRS,
LINE A TOTAL LENGTH
OF 137'

POINT REPAIR MH5 - MH6
REPLACE PIPE FROM 51'
TO 75' (FROM MH5) WITH 6" PVC
SDR 35 PIPE

POINT REPAIR AT 15 FT. FROM
MH 5, BROKEN PIPE

CONSULTANT:



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MAN HOLE 5-6

SEWER LINING

ROCK CREEK STATE PARK

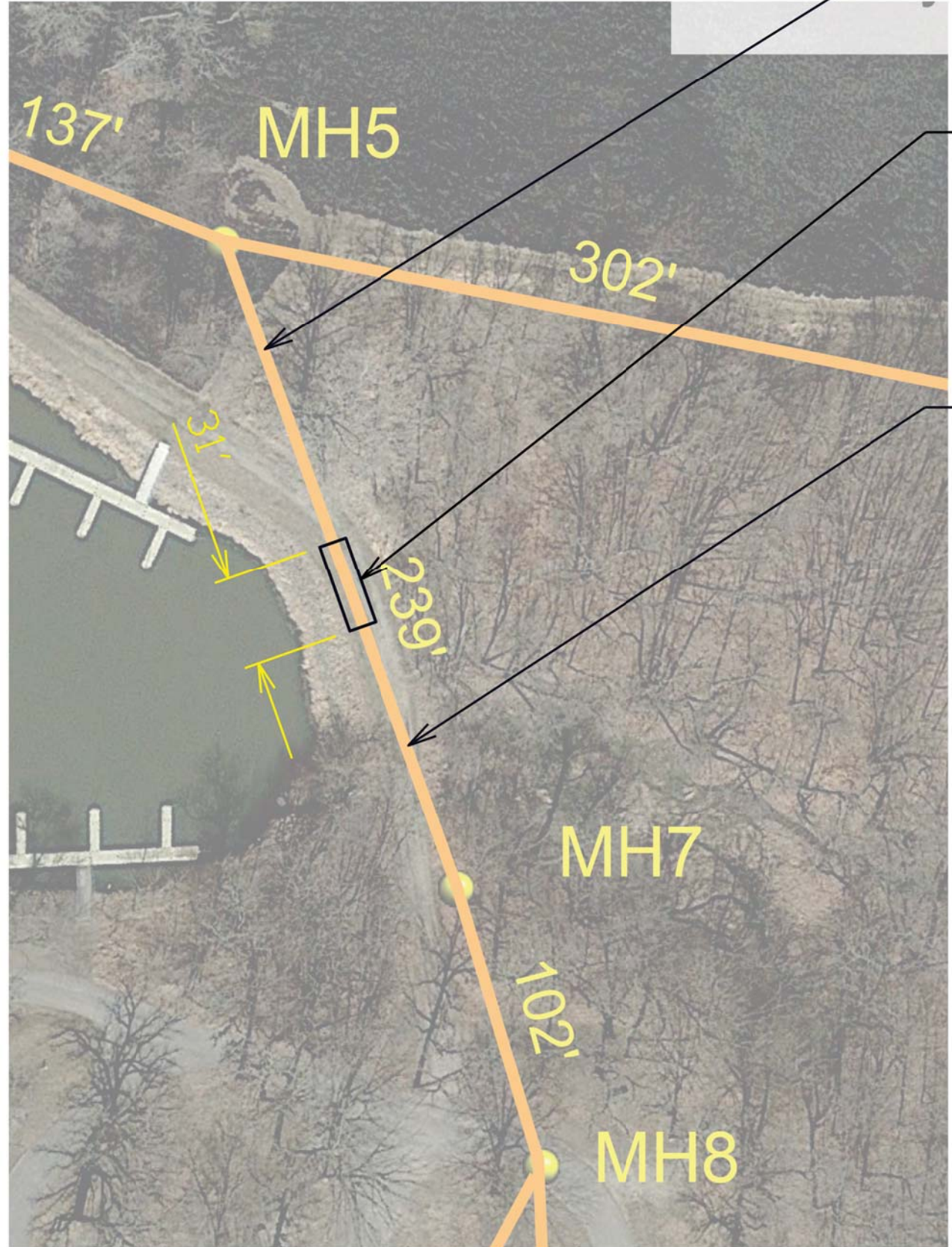
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DATE		

DRAWN BY: PROJECT NUMBER:
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POINT REPAIR
FROM MH5 - MH7 @ 39'
SLIGHT OFFSET JOINT
IF NEEDED

POINT REPAIR
FROM MH5 - MH7
FROM 112 FT. TO 143 FT.
FROM MH5 REPLACE
THE LENGTH WITH 6"
PVC SDR 35 PIPE

AFTER SPOT REPAIR
LINE A TOTAL LENGTH
OF 239 FT.

CONSULTANT:



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MANHOLE 5-7

SEWER LINING

ROCK CREEK STATE PARK

JASPER COUNTY

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SHEET No:



MH8

206'

MH10

LINE A TOTAL LENGTH OF 206'



MH7

102'

MH8

LINE A TOTAL LENGTH OF 102'

POINT REPAIR AT MH8 - MH10
OFFSET PIPE AT MH8

CONSULTANT:



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MANHOLE 7-8 AND 8-10

SEWER LINING

ROCK CREEK STATE PARK

JASPER COUNTY

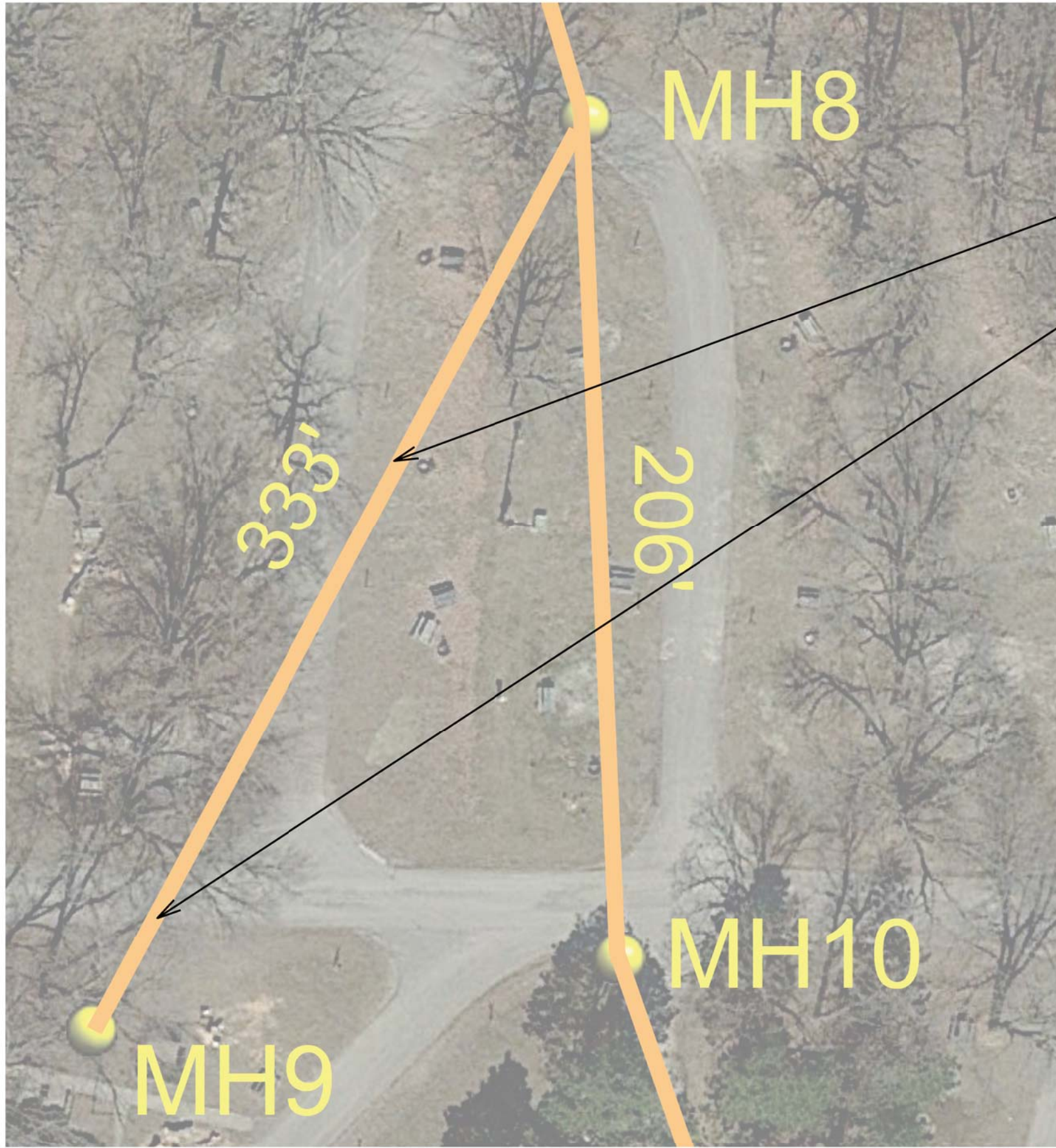
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SHEET No:

10



DO NOT LINE THIS SEGMENT

POINT REPAIR
OFFSET JOINT @ 13'
FROM MH9

CONSULTANT:



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MANHOLE 8-9

SEWER LINING

ROCK CREEK STATE PARK

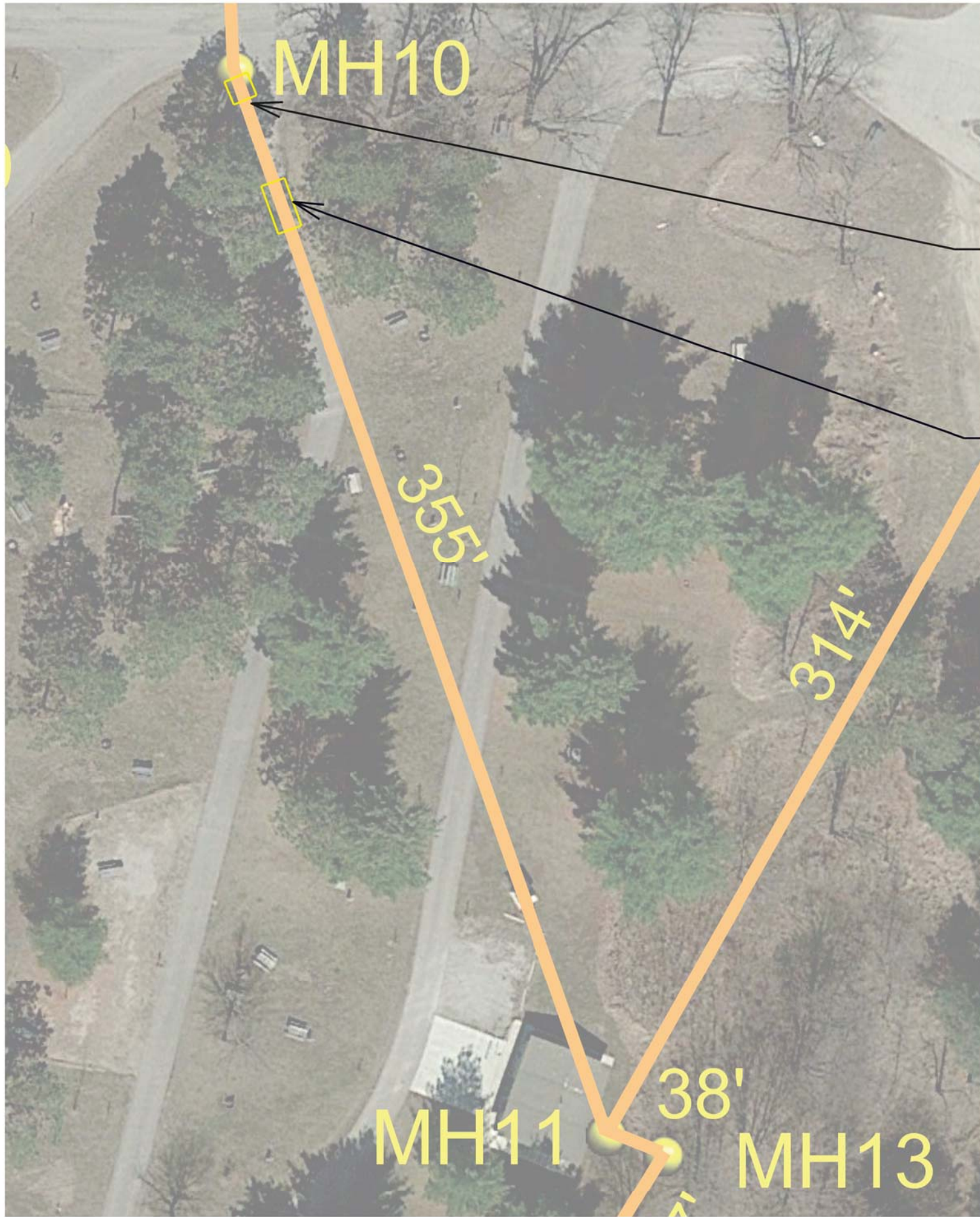
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POINT REPAIR MH11 - MH10
 REPLACE PIPE FROM
 MH11 - 8' WITH 6" PVC
 SDR 35 PIPE

POINT REPAIR MH10 - MH11
 REPLACE PIPE FROM 49' TO
 60' FROM MH10 WITH 6" PVC
 SDR 35 PIPE (PIPE SAGGED)

CONSULTANT:



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MANHOLE 10-11

SEWER LINING

ROCK CREEK STATE PARK

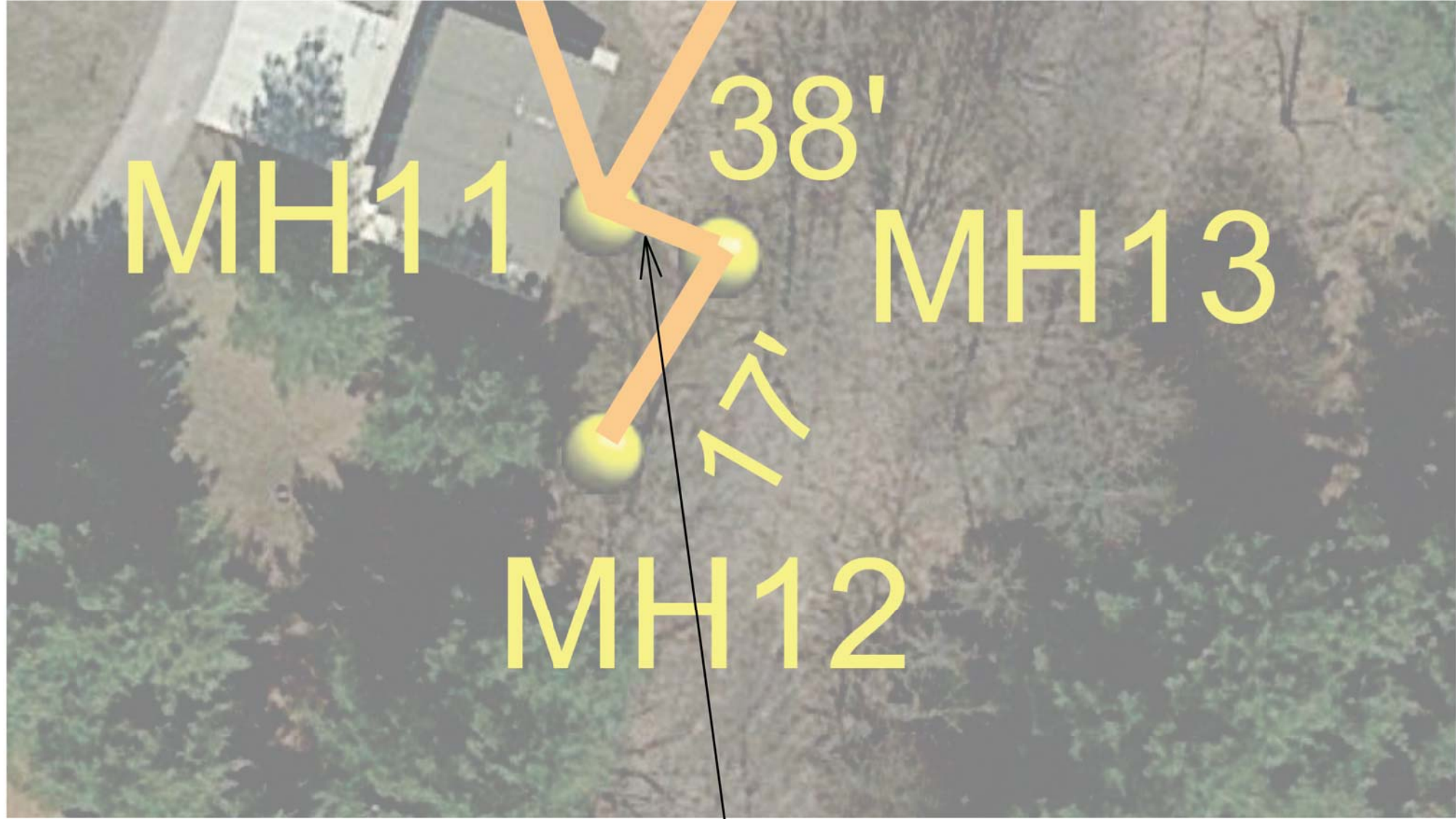
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REPLACE 6" LINE FROM MH11 - MH13 WITH 6" SDR 35 PVC PIPE. TOTAL LENGTH 38'

CONSULTANT:



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MANHOLE 11-13

SEWER LINING

ROCK CREEK STATE PARK

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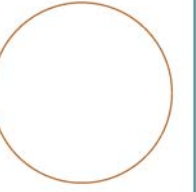
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CIPP LINE A TOTAL LENGTH OF 17'

CONSULTANT:



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MANHOLE 12 - 13

SEWER LINING

ROCK CREEK STATE PARK

JASPER COUNTY

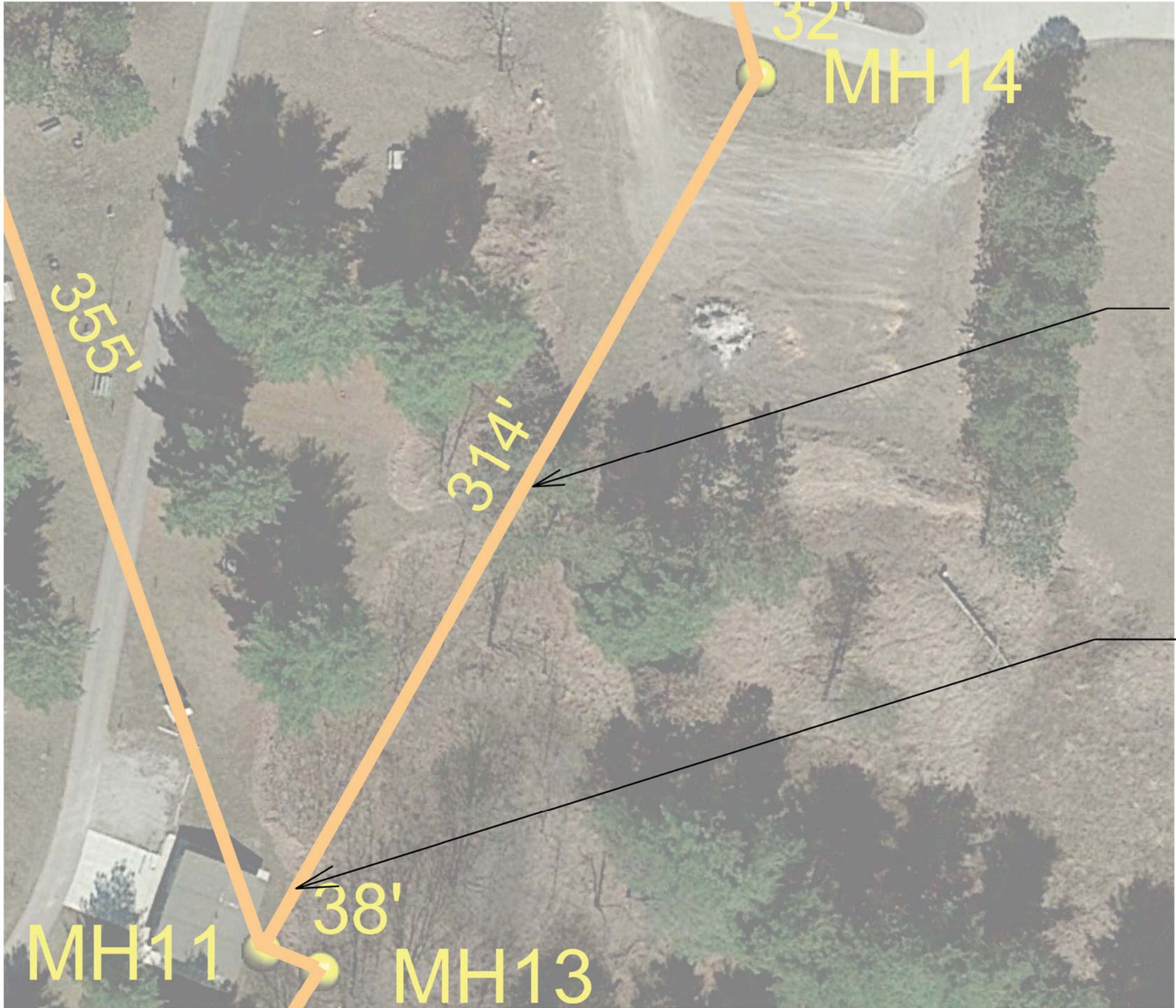
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14



LINE A TOTAL LENGTH OF 314'

BEND AT 20' FROM MH11

CONSULTANT:



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MANHOLE 11-14

SEWER LINING

ROCK CREEK STATE PARK

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LINE A TOTAL LENGTH OF 32' FROM MH 14 TO MH 15



CONSULTANT:



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MAHOLE 14 - MH15

SEWER LINING

ROCK CREEK STATE PARK

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ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	Mobilization	LUMP SUM	1
2	CIPP Sewer lining	LF	2549
3	Point Repairs	EACH	10
4	Replace pipe with 6 inch PVC SDR 35	LF	38
5	Site Restoration & Seeding	LS	1

ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
2, 3	A. Please refer to sections 02100 and 02200 for what is included in the unit price.
3	A. Measurement shall be by each pipeline point repair performed up to 35 feet in length.
	SEWER REHABILITATION NOTES:
1.	All sewer segments scheduled to be CIPP lined or chemical grouted shall be CCTV Televised before and after lining or grouting operations. An electronic copy of the televising records and reports shall be provided to the DNR Engineer.
3.	The Owner shall provide any potable water required at no cost. Contractor shall be required to provide the tank and vehicle to transport the water from the source. Owner gives no gurantees that large flows will be available so fittings may take sometime.
4.	All cost for flow control, temporary pumping, etc shall be considered inclusive to associated work performed under the contract.

GENERAL NOTES

Verify actual locations and elevations with DNR Engineer.

All work shall conform to and be performed in accordance with all applicable codes and ordinances.

The contractor shall visit the site and inspect the project area and thoroughly familiarize themselves with the actual job conditions prior to bidding and the start of work. Failure to visit the project site shall not relieve the contractor from performing the work in accordance to the plans, specification, special provisions and contract.

The contractor shall verify, at the site, all dimensions and conditions shown on the plans and shall notify the DNR Engineer of any discrepancies, omissions, and/or conflicts prior to proceeding with the work.

It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. No payment for overhaul will be allowed for material hauled to these sites. No material shall be placed within the right-of-way, unless specifically stated in the plans or approved by the DNR Engineer.

The contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The contractor will not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service areas will be subject to the approval of the DNR Engineer.

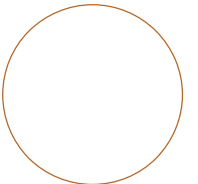
Where utilities and fixtures are shown as Existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the DNR Engineer of those utilities prior to the beginning of any construction. The contractor shall be afforded access to these facilities for necessary modification of services. Underground facilities, structures and utilities have been plotted from available surveys and records and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which is presently not known or shown. It is the contractor's responsibility to determine their existence and exact location and to avoid damage thereto. No claims for additional compensation will be allowed to the contractor for any interference or delay caused by such work.

The contractor shall shape graded area to maintain surface drainage. All elevations are to finish grade.

The contractor is expected to have materials, equipment, and labor available on a daily basis to install and maintain erosion control features on the project. This may involve seeding, silt fence, rock ditch checks, silt basins or silt dikes.

Other than the included technical specifications the contractor will refer to SUDAS.

CONSULTANT:



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QUANTITIES AND GENERAL INFORMATION

SEWER LINING

ROCK CREEK STATE PARK

JASPER COUNTY

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