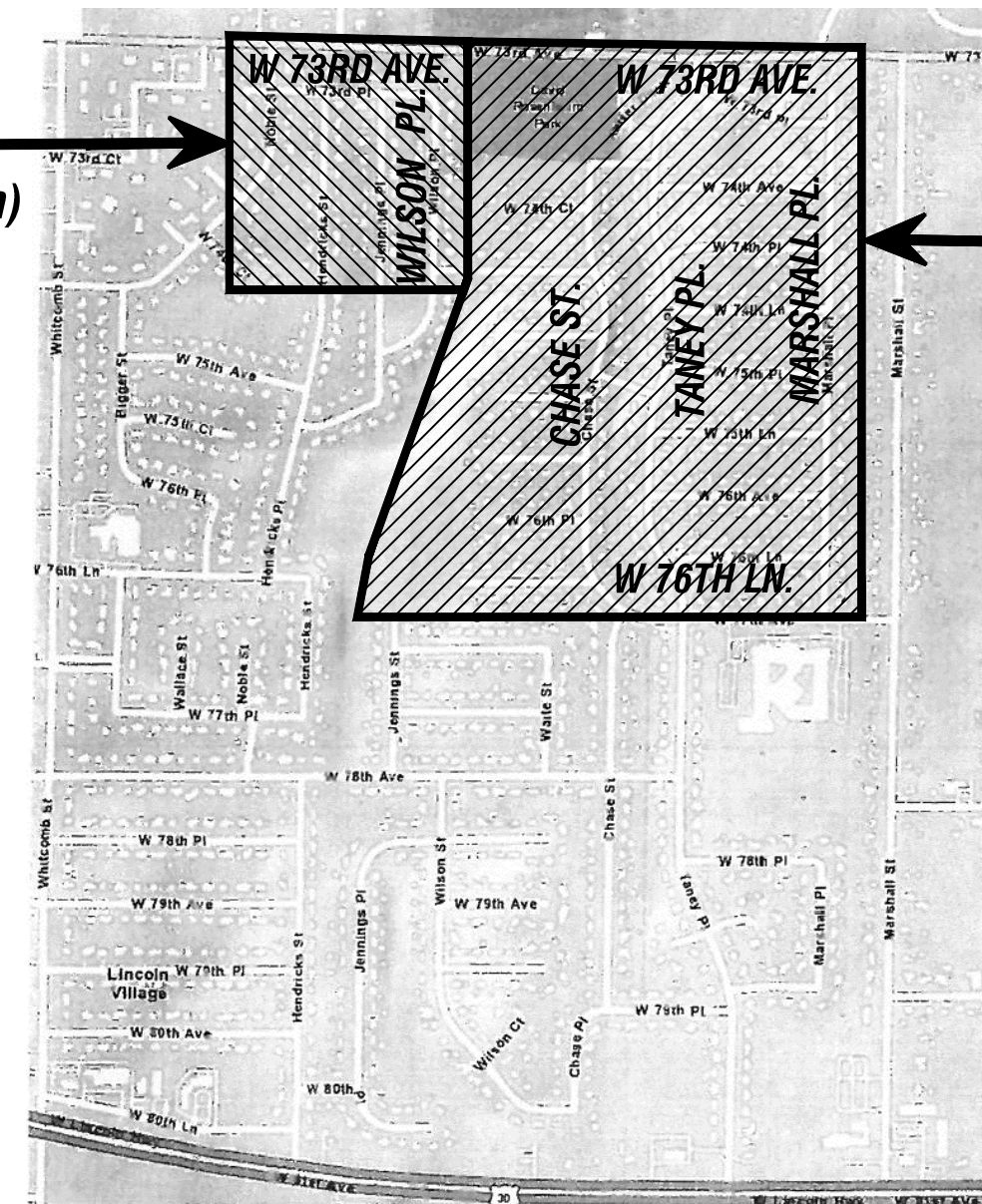




PROJECT LOCATION 2 —
(South Brook Subdivision)



PROJECT LOCATION 1
(Young America/Lincoln
Gardens Subdivision)

VICINITY MAP
(N.T.S.)

PREPARED BY:

NORTH-WEST
ENGINEERING Co., Inc.

1425 COVENTRY LANE
MUNSTER, IN 46321
PH#: 219.882.6856
FAX#: 219.882.6867



LOCATION MAP
(N.T.S.)



Ayazind 1. Muzenda

ARAVIND S. MUZUMDAR
INDIANA P.E. No. 15445

11/17/2022
DATE

[illegible]

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHICAGO, ILLINOIS	DESIGNED BY:		ISSUE DATE: NOVEMBER 17, 2022
	DRAWN BY:		SOLICITATION NO.:
	CHECKED BY:		CONTRACT NO.:
	SUBMITTED BY:		
NORTH-WEST ENGINEERING CO. 1425 COVENTRY LANE MUNSTER, INDIANA 46321	SIZE:		

IHCD, MERRILLVILLE, IN.
YOUNG AMERICA & SOUTH BROOK SUBDIVISION
SEALING OF JOINTS AT THE SEWER MAIN AND
LATERALS
COVER AND VICINITY MAP

SHEET ID
G-001

SOLICITATION NO.: W912P622B0007
CONTRACT NO.:
ISSUE DATE: NOVEMBER 17, 2022

A

B

C

D

E

F

G

w) YGAM-0295 - YGAM-0300 (SHEET C-102)

(Sewer Main between Marshall Pl & Taney Place & 76th Lane & 76th Ave)

110. 104-2959 W. 76th Ave., Parcel No. 45-12-17-354-004.000-030
111. 105-2951 W. 76th Ave., Parcel No. 45-12-17-354-005.000-030
112. 106-2943 W. 76th Ave., Parcel No. 45-12-17-354-006.000-030
113. 107-2935 W. 76th Ave., Parcel No. 45-12-17-354-007.000-030
114. 108-2927 W. 76th Ave., Parcel No. 45-12-17-354-008.000-030
115. 109-2919 W. 76th Ave., Parcel No. 45-12-17-354-009.000-030
116. 110-2911 W. 76th Ave., Parcel No. 45-12-17-354-010.000-030
117. 114-2910 W. 76th Lane., Parcel No. 45-12-17-354-017.000-030
118. 115-2918 W. 76th Lane., Parcel No. 45-12-17-354-016.000-030
119. 116-2926 W. 76th Lane., Parcel No. 45-12-17-354-015.000-030
120. 117-2934 W. 76th Lane., Parcel No. 45-12-17-354-014.000-030
121. 118-2942 W. 76th Lane., Parcel No. 45-12-17-354-013.000-030
122. 119-2950 W. 76th Lane., Parcel No. 45-12-17-354-012.000-030
123. 120-2958 W. 76th Lane., Parcel No. 45-12-17-354-011.000-030
124. 103-2966 W. 76th Lane., Parcel No. 45-12-17-354-003.000-030

x) YGAM-0285 - YGAM-0290 (SHEET C-102)

(Sewer Main between Marshall Pl & Taney Place & 76th Ave & 75th Lane)

125. 99-2960 W. 76th Ave., Parcel No. 45-12-17-353-011.000-030
126. 98-2952 W. 76th Ave., Parcel No. 45-12-17-353-012.000-030
127. 97-2944 W. 76th Ave., Parcel No. 45-12-17-353-013.000-030
128. 96-2936 W. 76th Ave., Parcel No. 45-12-17-353-014.000-030
129. 95-2928 W. 76th Ave., Parcel No. 45-12-17-353-015.000-030
130. 94-2920 W. 76th Ave., Parcel No. 45-12-17-353-016.000-030
131. 93-2912 W. 76th Ave., Parcel No. 45-12-17-353-017.000-030
132. 239-2915 W. 75th Lane., Parcel No. 45-12-17-353-010.000-030
133. 238-2923 W. 75th Lane., Parcel No. 45-12-17-353-009.000-030
134. 237-2931 W. 75th Lane., Parcel No. 45-12-17-353-008.000-030
135. 236-2939 W. 75th Lane., Parcel No. 45-12-17-353-007.000-030
136. 235-2947 W. 75th Lane., Parcel No. 45-12-17-353-006.000-030
137. 234-2955 W. 75th Lane., Parcel No. 45-12-17-353-005.000-030
138. 233-2963 W. 75th Lane., Parcel No. 45-12-17-353-004.000-030

y) YGAM-0295 - YGAM-0280 (SHEET C-102)

(Sewer Main located east of Taney Place)

139. Lot 101 - 2906 W. 75th Place, Parcel No. 45-12-17-354-001.000-030
140. Lot 102 - 7613 Taney Place, Parcel No. 45-12-17-354-002.000-030

z) YGAM-0265 - YGAM-0270 (SHEET C-102)

(Sewer Main between Taney Place & Chase St. & 76th Ave & 75th Lane)

141. Lot 136- 7544 Taney Place, Parcel No. 45-12-17-351-007.000-030
142. Lot 163- 7536 Taney Place, Parcel No. 45-12-17-351-006.000-030

aa) YGAM-0275 - YGAM-0280 (SHEET C-102)

(Sewer Main between Marshall Pl & Taney Place & 76th Ave & 75th Lane)

143. Lot 194- 7549 Taney Place, Parcel No. 45-12-17-353-002.000-030
144. Lot 100- 2968 W. 76th Ave, Parcel No. 45-12-17-353-003.000-030

ab) YGAM-0325 - YGAM-0315 (SHEET C-104)

(Sewer Main between Jennings St & Chase St & 77th Ave & 76th Lane)

145. Lot 367- 3283 W. 76th Lane, Parcel No. 45-12-18-481-005.000-030
146. Lot 366- 3273 W. 76th Lane, Parcel No. 45-12-18-481-006.000-030
147. Lot 365- 3263 W. 76th Lane, Parcel No. 45-12-18-481-007.000-030
148. Lot 364- 3253 W. 76th Lane, Parcel No. 45-12-18-481-008.000-030
149. Lot 363- 3243 W. 76th Lane, Parcel No. 45-12-18-481-009.000-030
150. Lot 362- 3233 W. 76th Lane, Parcel No. 45-12-18-481-010.000-030
151. Lot 361- 3223 W. 76th Lane, Parcel No. 45-12-18-481-011.000-030
152. Lot 360- 3213 W. 76th Lane, Parcel No. 45-12-18-481-012.000-030

ac) YGAM-0235 - YGAM-0240 (SHEET C-104)

(Sewer Main between Jennings St & Chase St & 76th Lane & 76th Plane)

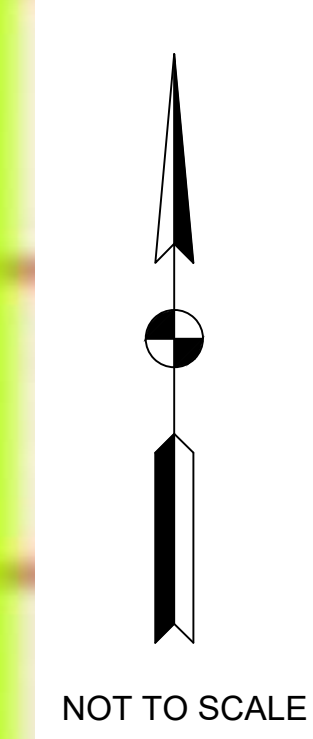
153. Lot 369- 3282 W. 76th Lane, Parcel No. 45-12-18-480-013.000-030
154. Lot 370- 3262 W. 76th Lane, Parcel No. 45-12-18-480-014.000-030
155. Lot 371- 3242 W. 76th Lane, Parcel No. 45-12-18-480-015.000-030
156. Lot 372- 3232 W. 76th Lane, Parcel No. 45-12-18-480-016.000-030
157. Lot 373- 3222 W. 76th Lane, Parcel No. 45-12-18-480-017.000-030
158. Lot 374- 3212 W. 76th Lane, Parcel No. 45-12-18-480-018.000-030
159. Lot 378- 3215 W. 76th Place, Parcel No. 45-12-18-480-009.000-030
160. Lot 379- 3227 W. 76th Place, Parcel No. 45-12-18-480-008.000-030
161. Lot 380- 3239 W. 76th Place, Parcel No. 45-12-18-480-007.000-030
162. Lot 381- 3251 W. 76th Place, Parcel No. 45-12-18-480-006.000-030
163. Lot 382- 3261 W. 76th Place, Parcel No. 45-12-18-480-005.000-030

ad) YGAM-0205 - YGAM-0210 (SHEET C-105)

(Sewer Main between Jennings St & Chase St & 75th Place & 74th Lane)

164. Lot 415- 3274 W. 75th Place, Parcel No. 45-12-18-477-007.000-030
165. Lot 416- 3264 W. 75th Place, Parcel No. 45-12-18-477-008.000-030
166. Lot 417- 3248 W. 75th Place, Parcel No. 45-12-18-477-009.000-030
167. Lot 418- 3234 W. 75th Place, Parcel No. 45-12-18-477-010.000-030
168. Lot 419- 3220 W. 75th Place, Parcel No. 45-12-18-477-011.000-030
169. Lot 453- 3221 W. 74th Lane, Parcel No. 45-12-18-477-005.0

	1	2	3	4	5	6	7	8	9	10																																								
G	A) SBRK-0100 - SBRK-0095 (SHEET C-107) (Sewer Main located west of Hendricks Street)			H) SBRK-0060 - SBRK-0055 (SHEET C-107) (Sewer Main located east of Hendricks Street)			N) SBRK-0205 - SBRK-0210 (SHEET C-107) (Sewer Main located east of Wilson Pl)			<div><div></div><div><table><tr><td>9/10/2022</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>DATE</td></tr><tr><td>REVISION</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>MARK</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>DESCRIPTION</td></tr></table></div></div>	9/10/2022									DATE	REVISION																			MARK										DESCRIPTION
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F	B) SBRK-0095 - SBRK-0075 (SHEET C-107) (Sewer Main located west of Hendricks Street)			I) SBRK-0045 - SBRK-0040 (SHEET C-107) (Sewer Main located east of Jennings Street)			O) SBRK-0210 - SBRK-0215 (SHEET C-107) (Sewer Main located east of Wilson Pl)																																											
E	C) SBRK-0090 - SBRK-0075 (SHEET C-107) (Sewer Main located west of Hendricks Street)			J) SBRK-0040 - SBRK-0035 (SHEET C-107) (Sewer Main located east of Jennings Street)			<div><div><div>U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHICAGO, ILLINOIS</div><div>DESIGNED BY: DRAWN BY: CHECKED BY: SUBMITTED BY: SIZE:</div></div><div><div>ISSUE DATE: NOVEMBER 17, 2022</div><div>SOLICITATION NO.: W912P62B0007</div><div>CONTRACT NO.:</div></div><div><div>NORTHWEST ENGINEERING CO. 1425 COUNTRY LANE MUNSTER, INDIANA 46321</div></div></div>																																											
	D	D) SBRK-0075 - SBRK-0075A (SHEET C-107) (Sewer Main located west of Hendricks Street)			K) SBRK-0035 - SBRK-0030 (SHEET C-107) (Sewer Main located east of Jennings Street)			<div><div>IHCD, MERRILLVILLE, IN YOUNG AMERICA & SOUTH BROOK SUBDIVISION SEALING OF JOINTS AT THE SEWER MAIN AND LATERALS LIST OF LOT NUMBERS, ADDRESSES, & TAX KEY NUMBERS</div></div>																																										
C	E) SBRK-0075A - SBRK-0085 (SHEET C-107) (Sewer Main located west of Hendricks Street)			L) SBRK-0020 - SBRK-0010 (SHEET C-107) (Sewer Main located east of Wilson Pl.)			<div><div></div><div>SHEET ID G-006</div></div>																																											
	B	F) SBRK-0070 - SBRK-0065 (SHEET C-107) (Sewer Main located east of Hendricks Street)			M) SBRK-0010 - SBRK-0205 (SHEET C-107) (Sewer Main located east of Wilson Pl)																																													
A	G) SBRK-0065 - SBRK-0060 (SHEET C-107) (Sewer Main located east of Hendricks Street)																																																	



NOTES:

1. THE LATERALS TO BE LINED ARE LOCATED IN BACK YARDS/SIDE YARDS OF THE PROPERTIES. THERE ARE WOODEN OR CYCLONE FENCING LOCATED IN THESE AREAS. DURING THE CONSTRUCTION THE CONTRACTOR MAY REMOVE THE FENCING WITHOUT ANY DAMAGE TO THE FENCE TO FACILITATE HIS/HER WORK. AT THE END OF THE DAY, THE CONTRACTOR SHOULD PUT A TEMPORARY FENCE. AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR TO PLACE THE EXISTING FENCE IN THE PREVIOUS LOCATION WITHOUT DAMAGE. ANY FENCING DAMAGED BY THE CONTRACTOR IS TO BE REPLACED AT THE CONTRACTOR'S COST WITH THE SAME FENCING.
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3. LINING OF SERVICE LATERALS: THE PROJECT INCLUDES INSTALLATION OF A LATERAL LINER THRU PRE-LINED MAIN PIPE USING FULL MAIN LINE CIRCUMFERENCE CONNECTION UP TO 5 FEET OF LATERAL SEWER.

LEGEND

PROPOSED SEALING OF JOINTS AT THE SEWER MAIN & LATERALS

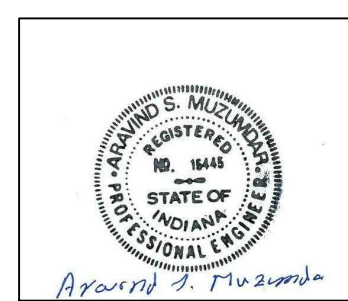
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(12) NUMBER OF HOUSE LATERALS

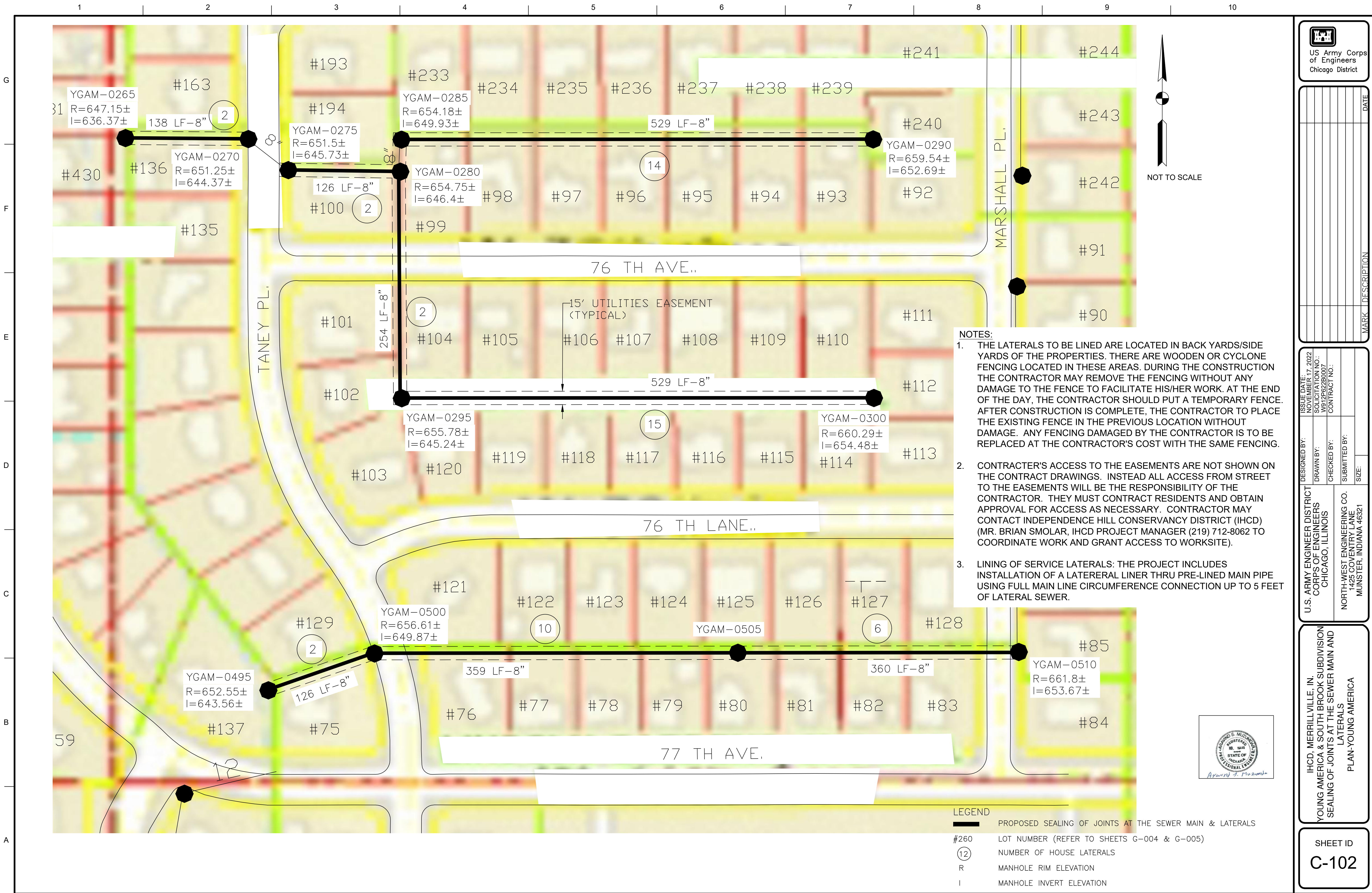
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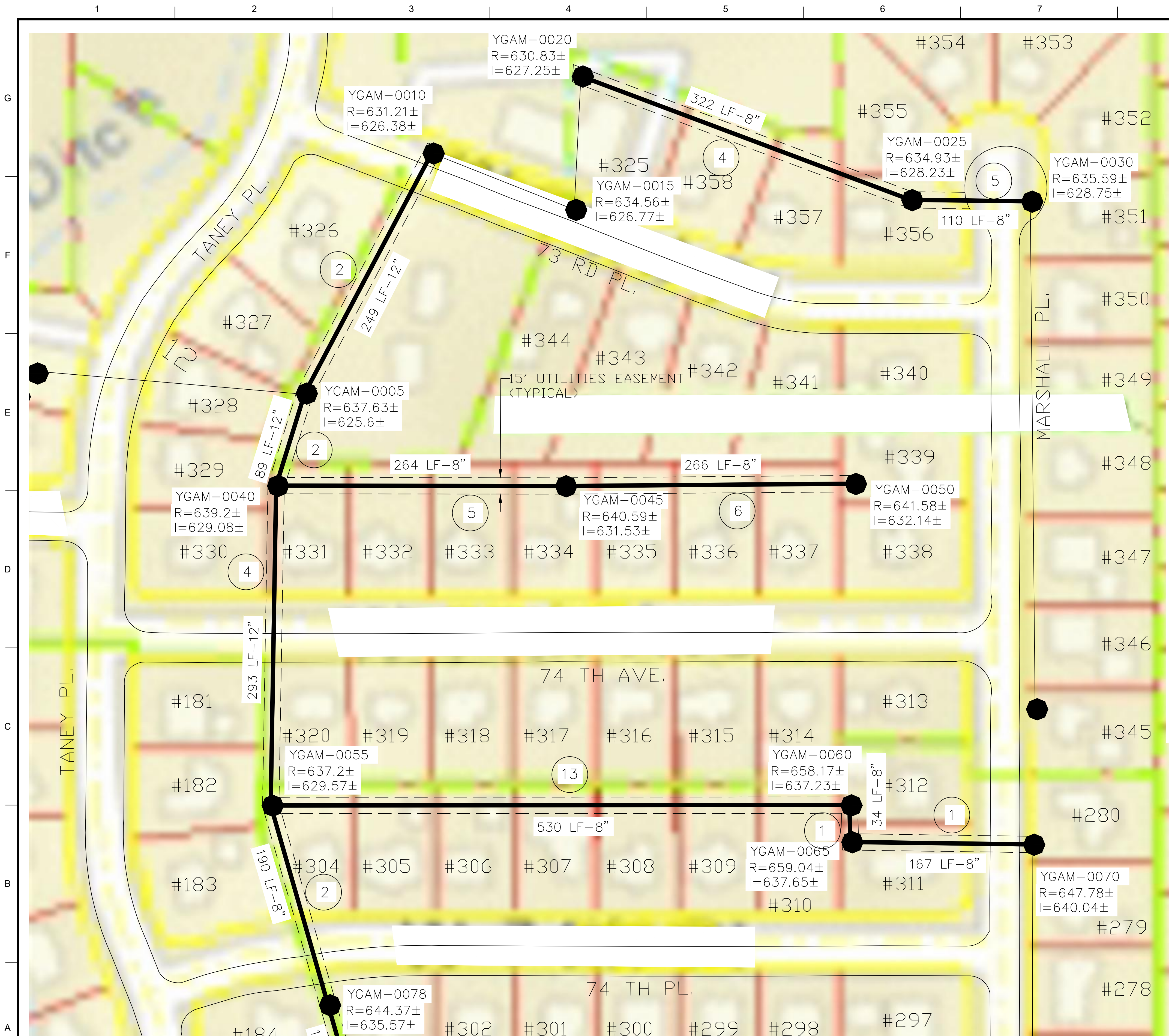
I MANHOLE INVERT ELEVATION

LAURENCE S. MURPHY, INC.
ENGINEERS
10144
SOUTHERN
AVENUE
MEMPHIS, TENN.



 US Army Corps of Engineers Chicago District		SHEET ID C-101	
IHOD, MERRILLVILLE, IN. YOUNG AMERICA & SOUTH BROOK SUBDIVISION SEALING OF JOINTS AT THE SEWER MAIN AND LATERALS PLAN-YOUNG AMERICA		U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHICAGO, ILLINOIS NORTHWEST ENGINEERING CO. 1425 COWLEY LANE MUNSTER, INDIANA 46321	
DESIGNED BY: _____		ISSUE DATE: NOVEMBER 17, 2022	
DRAWN BY: _____		SOLICITATION NO.: _____	
CHECKED BY: _____		CONTRACT NO.: _____	
SUBMITTED BY: _____		MARK _____ DESCRIPTION _____ DATE _____	
SIZE: _____			



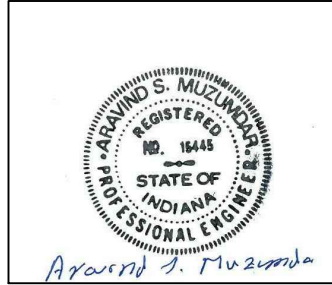


NOTES:

1. THE LATERALS TO BE LINED ARE LOCATED IN BACK YARDS/SIDE YARDS OF THE PROPERTIES. THERE ARE WOODEN OR CYCLONE FENCING LOCATED IN THESE AREAS. DURING THE CONSTRUCTION THE CONTRACTOR MAY REMOVE THE FENCING WITHOUT ANY DAMAGE TO THE FENCE TO FACILITATE HIS/HER WORK. AT THE END OF THE DAY, THE CONTRACTOR SHOULD PUT A TEMPORARY FENCE. AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR TO PLACE THE EXISTING FENCE IN THE PREVIOUS LOCATION WITHOUT DAMAGE. ANY FENCING DAMAGED BY THE CONTRACTOR IS TO BE REPLACED AT THE CONTRACTOR'S COST WITH THE SAME FENCING.
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3. LINING OF SERVICE LATERALS: THE PROJECT INCLUDES INSTALLATION OF A LATERAL LINER THRU PRE-LINED MAIN PIPE USING FULL MAIN LINE CIRCUMFERENCE CONNECTION UP TO 5 FEET OF LATERAL SEWER.

LEGEND

- PROPOSED SEALING OF JOINTS AT THE SEWER MAIN & LATERALS
- LOT NUMBER (REFER TO SHEET G-004)
- NUMBER OF HOUSE LATERALS
- MANHOLE RIM ELEVATION
- MANHOLE INVERT ELEVATION



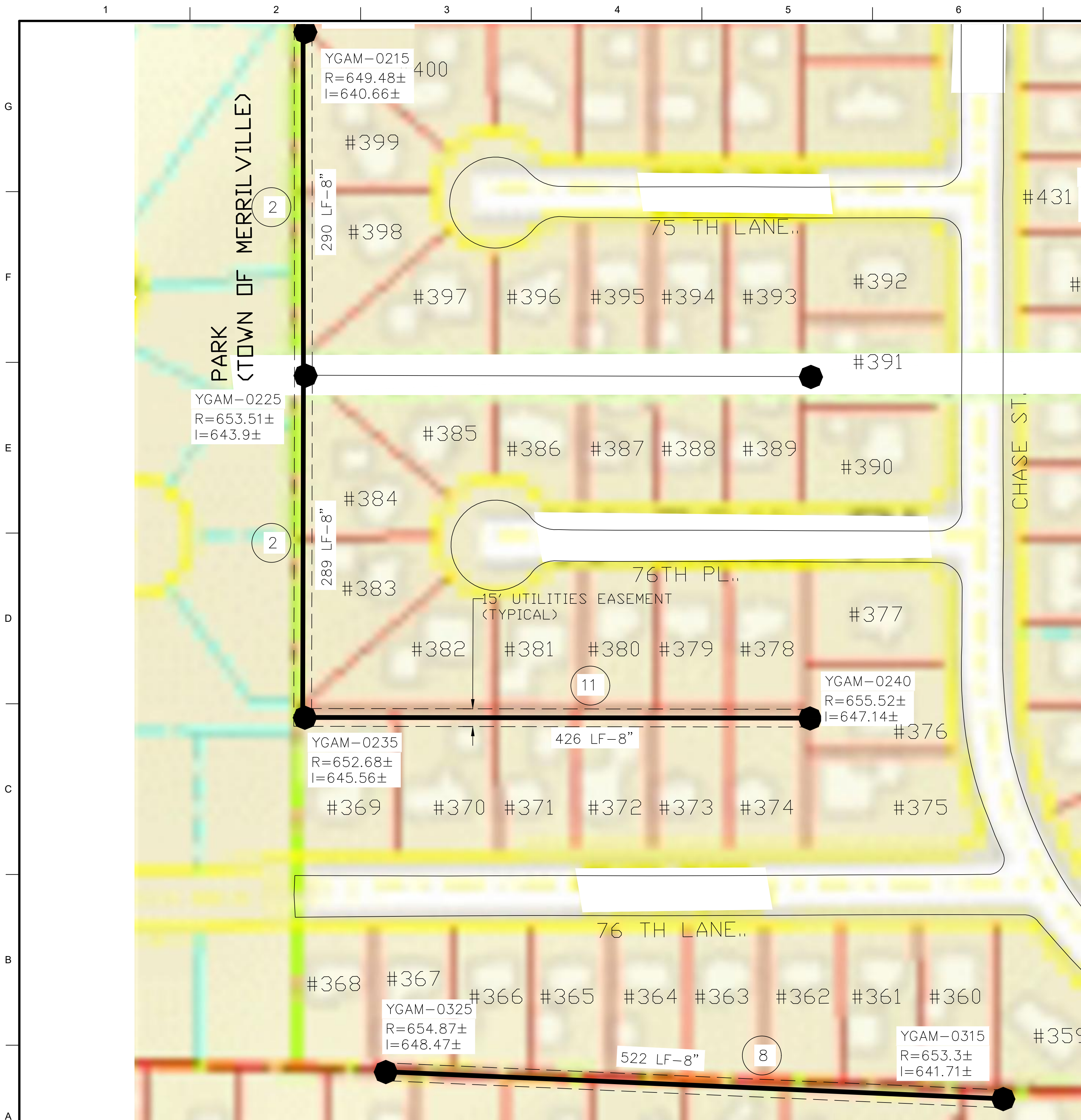
US Army Corps
of Engineers
Chicago District

MARK	DESCRIPTION	DATE

ISSUE DATE: NOVEMBER 17, 2022	DESIGNED BY: U.S. ARMY ENGINEER DISTRICT	CHICAGO, ILLINOIS
SOLICITATION NO.: W912P622B0007	DRAWN BY:	
CONTRACT NO.:	CHECKED BY:	
	SUBMITTED BY:	
	SIZE:	
	NORTHWEST ENGINEERING CO. 1425 COUNTRY LANE MUNSTER, INDIANA 46321	

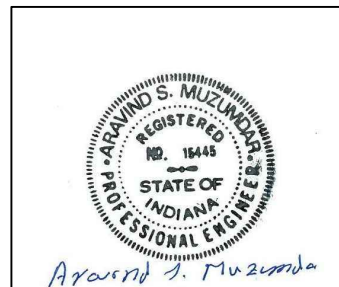
IHCD, MERRILLVILLE, IN.
YOUNG AMERICA & SOUTH BROOK SUBDIVISION
SEALING OF JOINTS AT THE SEWER MAIN AND
LATERALS
PLAN-YOUNG AMERICA

SHEET ID
C-103



- NOTES:**
1. THE LATERALS TO BE LINED ARE LOCATED IN BACK YARDS/SIDE YARDS OF THE PROPERTIES. THERE ARE WOODEN OR CYCLONE FENCING LOCATED IN THESE AREAS. DURING THE CONSTRUCTION THE CONTRACTOR MAY REMOVE THE FENCING WITHOUT ANY DAMAGE TO THE FENCE TO FACILITATE HIS/HER WORK. AT THE END OF THE DAY, THE CONTRACTOR SHOULD PUT A TEMPORARY FENCE. AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR TO PLACE THE EXISTING FENCE IN THE PREVIOUS LOCATION WITHOUT DAMAGE. ANY FENCING DAMAGED BY THE CONTRACTOR IS TO BE REPLACED AT THE CONTRACTOR'S COST WITH THE SAME FENCING.
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- LEGEND**
- PROPOSED SEALING OF JOINTS AT THE SEWER MAIN & LATERALS
 - #260 LOT NUMBER (REFER TO SHEET G-005)
 - (12) NUMBER OF HOUSE LATERALS
 - R MANHOLE RIM ELEVATION
 - I MANHOLE INVERT ELEVATION

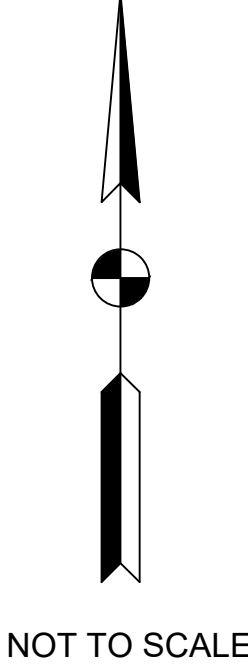
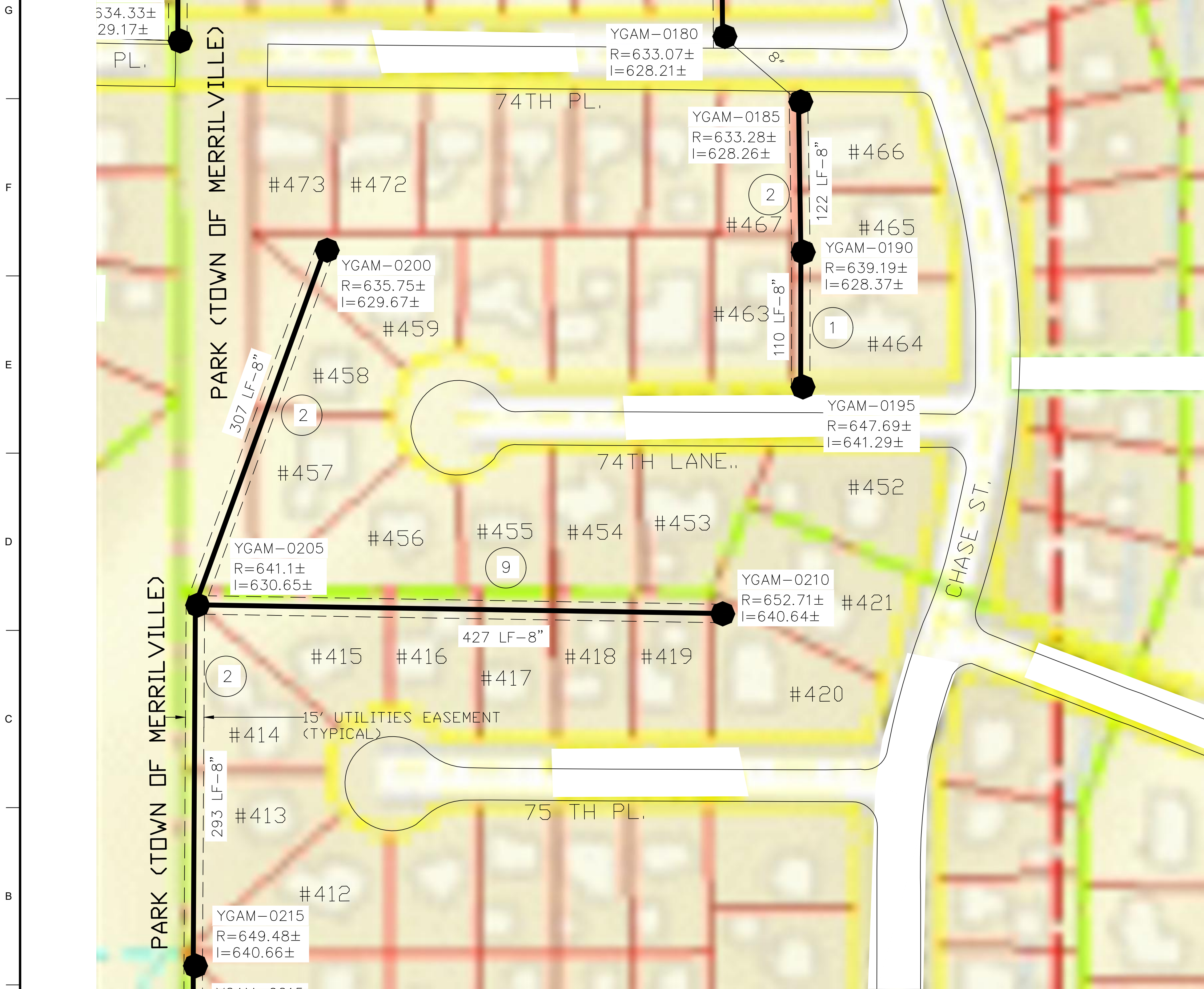


MARK	DESCRIPTION	DATE

DESIGNED BY:	ISSUE DATE:
DRAWN BY:	NOVEMBER 17, 2022
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SUBMITTED BY:	W912P622B0007
SIZE:	CONTRACT NO.:
U.S. ARMY ENGINEER DISTRICT	
CORPS OF ENGINEERS	
CHICAGO, ILLINOIS	
NORTHWEST ENGINEERING CO.	
1425 CONVENT LANE	
MUNSTER, INDIANA 46321	

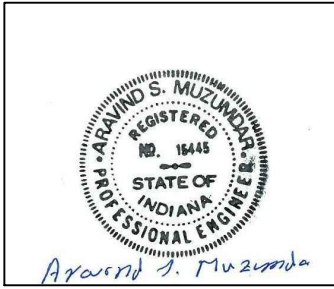
IHCD, MERRILLVILLE, IN.
YOUNG AMERICA & SOUTH BROOK SUBDIVISION
SEALING OF JOINTS AT THE SEWER MAIN AND
LATERALS
PLAN-YOUNG AMERICA

SHEET ID
C-104



- NOTES:**
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- LEGEND**
- PROPOSED SEALING OF JOINTS AT THE SEWER MAIN & LATERALS
 - #260 LOT NUMBER (REFER TO SHEET G-005)
 - (12) NUMBER OF HOUSE LATERALS
 - R MANHOLE RIM ELEVATION
 - I MANHOLE INVERT ELEVATION



US Army Corps of Engineers
Chicago District

MARK	DESCRIPTION	DATE

ISSUE DATE: NOVEMBER 17, 2022
SOLICITATION NO.: W912P622B0007
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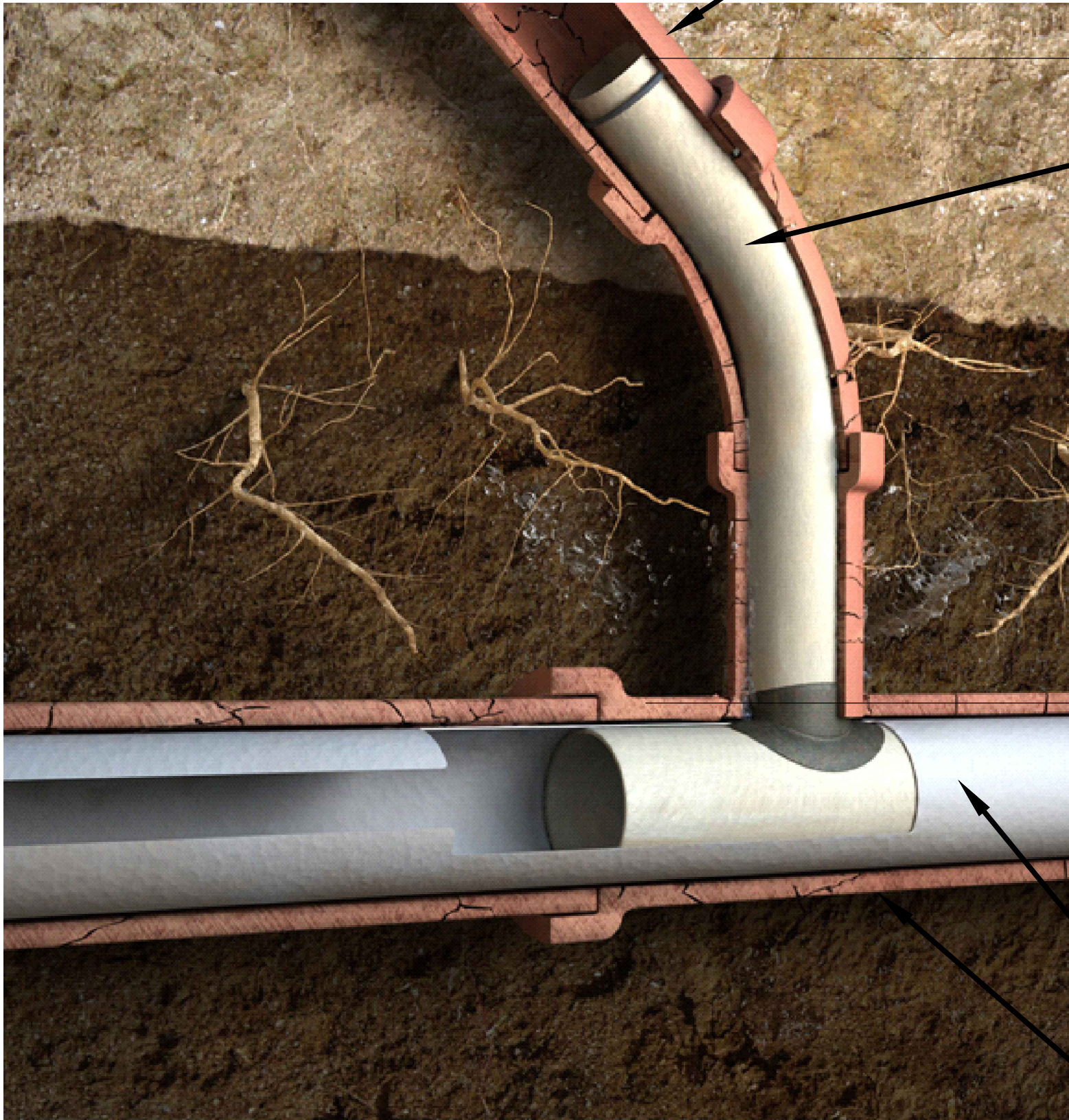
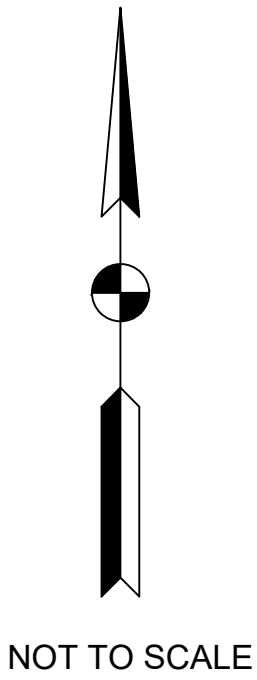
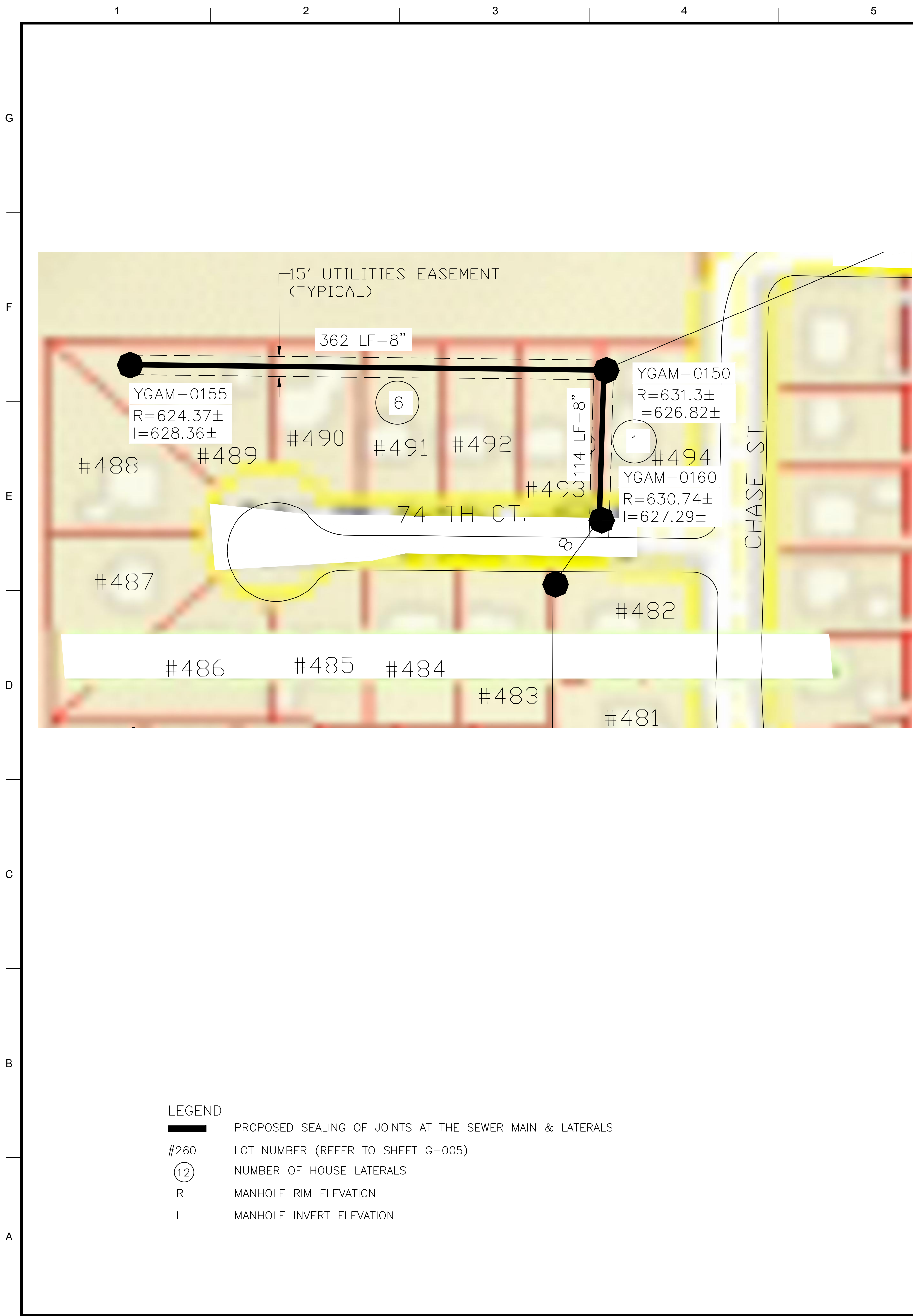
DESIGNED BY:
DRAWN BY:
CHECKED BY:
SUBMITTED BY:
SIZE:

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CHICAGO, ILLINOIS

NORTHWEST ENGINEERING CO.
1425 CONVENTRY LANE
MUNSTER, INDIANA 46321

IHCD, MERRILLVILLE, IN.
YOUNG AMERICA & SOUTH BROOK SUBDIVISION
SEALING OF JOINTS AT THE SEWER MAIN AND LATERALS
PLAN-YOUNG AMERICA

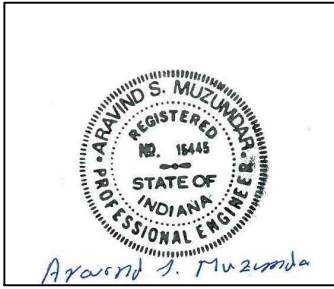
SHEET ID
C-105



SERVICE LATERAL LINING TYPICAL DETAIL

N.T.S.

- NOTES:
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9/10/2022	DATE
REVISION	MARK
ISSUE DATE: NOVEMBER 17, 2022	DESIGNED BY:
SOLICITATION NO.: W912P622B0007	DRAWN BY:
CONTRACT NO.:	CHECKED BY:
	SUBMITTED BY:
	SIZE:
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS CHICAGO, ILLINOIS	
NORTHWEST ENGINEERING CO. 1425 CONVENTRY LANE MUNSTER, INDIANA 46321	
IHCD, MERRILLVILLE, IN. YOUNG AMERICA & SOUTH BROOK SUBDIVISION SEALING OF JOINTS AT THE SEWER MAIN AND LATERALS PLAN-YOUNG AMERICA	
SHEET ID C-106	

