

VILLAGE OF ASHVILLE, OHIO

2016 SANITARY SEWER & FORCE MAIN IMPROVEMENTS (PART B)

Village Officials

Charles K. Wise Mayor
 Franklin Christman Village Administrator
 April Grube Fiscal Officer

Village Council

Dave Rainy
 Nelson Embrey
 Brian Garvine
 Todd Henson
 Tracie N. Sorvillo

WRRF Superintendent

Thomas L. Bouts

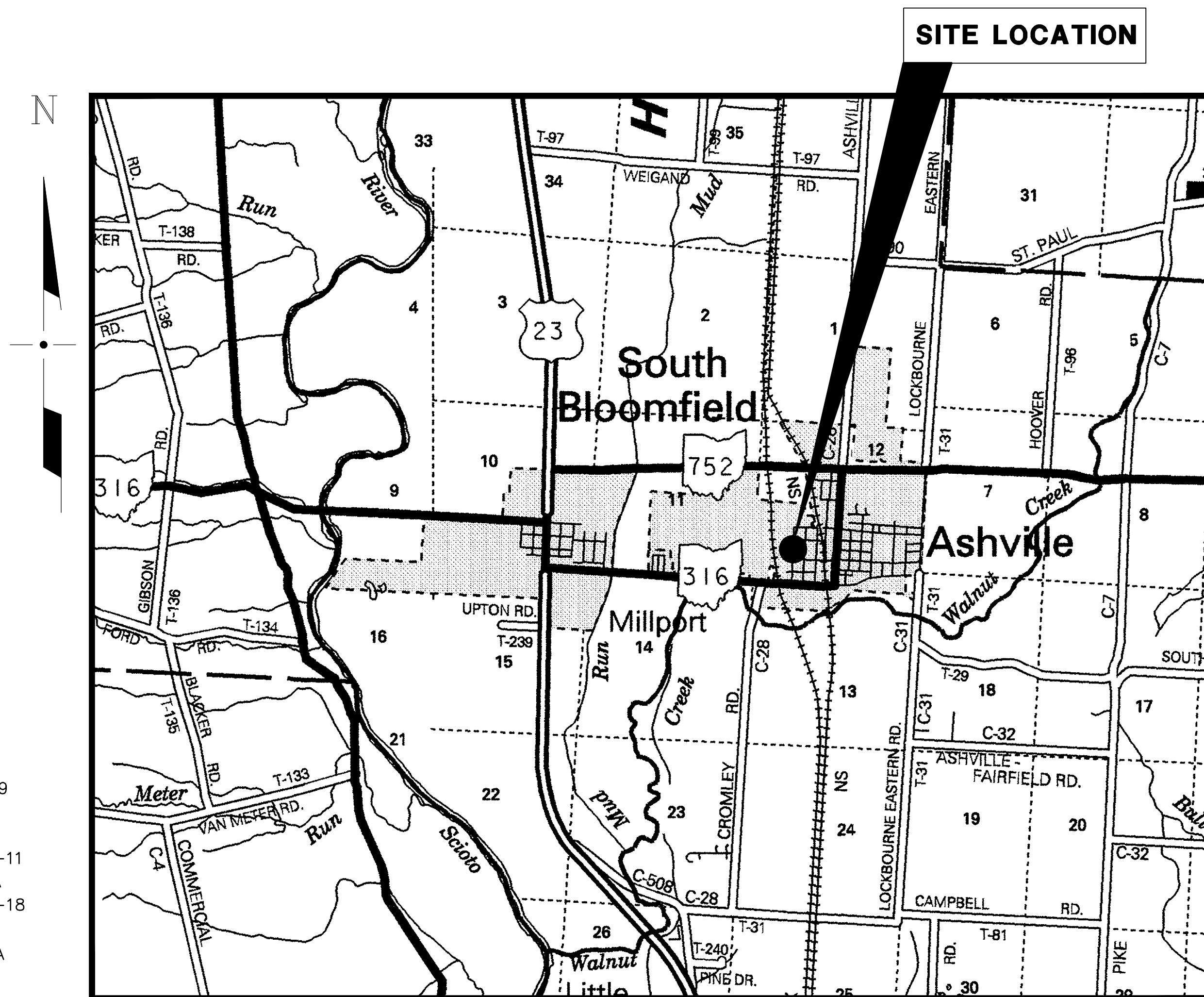
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PLANS PREPARED BY :



277 WEST NATIONWIDE BLVD. COLUMBUS, OHIO 43215-2566 614/464-4500



LOCATION MAP

SCALE: NONE

UNDERGROUND UTILITIES

2 WORKING DAYS

BEFORE YOU DIG

CALL 800-362-2764 (TOLL FREE)

OHIO UTILITIES PROTECTION SERVICE

NON-MEMBERS

MUST BE CALLED DIRECTLY



COUNTY MAP

SCALE: NONE

APPROVED BY LETTER:
 OHIO ENVIRONMENTAL PROTECTION AGENCY
 DATE: 07-17-2015

ISSUED FOR BIDDING 09-23-2016
 DATE

ISSUED FOR CONSTRUCTION -
 DATE

RECORD DRAWING -
 DATE

Matthew S. Noelker

Matthew S. Noelker, P.E.

77339
 REG. NO.

9-21-2016
 DATE



SEAL

INDEX SHEET LEGEND

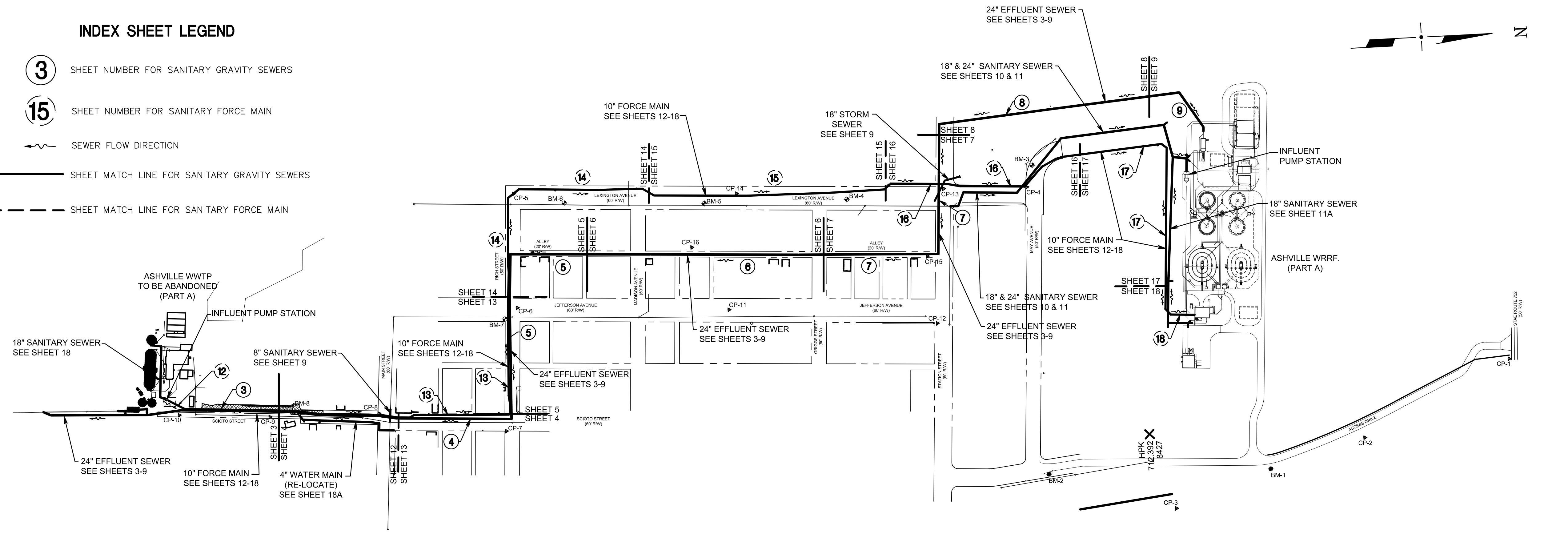
3 SHEET NUMBER FOR SANITARY GRAVITY SEWERS

15 SHEET NUMBER FOR SANITARY FORCE MAIN

SEWER FLOW DIRECTION

SHEET MATCH LINE FOR SANITARY GRAVITY SEWERS

SHEET MATCH LINE FOR SANITARY FORCE MAIN



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CONSTRUCTION SEQUENCE:

- CONTRACTOR SHALL COMPLETE 4" WATER MAIN RELOCATION AND PLACE IN SERVICE THE WATER MAIN AND ALL APPURTENANCES. SEE PLAN AND PROFILE ON SHEET 18A. COORDINATE 4" WATER MAIN SHUT DOWN WITH THE VILLAGE WATER DEPARTMENT 48 HOURS PRIOR TO ANY EXCAVATION.
- COORDINATE RELOCATION OF 2" GAS MAIN AT THE INTERSECTION OF MAIN OF SCIOTO STREETS WITH GAS COMPANY. SEE PLAN AND PROFILE ON SHEET 4.
- CONTRACTOR SHALL COMPLETE 8" SANITARY SEWER LOWERING AND PLACE IN SERVICE. SEE PLAN AND PROFILE ON SHEET 9. CONTRACTOR SHALL PROVIDE MEANS OF CONVEYING SANITARY SEWER FLOWS AT ALL TIMES DURING WORK. NO CONTROLLED DENSITY FILL REQUIRED IN 8" SANITARY SEWER TRENCH.
- CONTRACTOR SHALL COMPLETE 18" STORM SEWER RELOCATION AND PLACE IN SERVICE. SEE PLAN AND PROFILE ON SHEET 9. CONTRACTOR SHALL PROVIDE MEANS OF CONVEYING STORM SEWER FLOWS AT ALL TIMES DURING WORK. NO STORM SEWER FLOWS SHALL BE DIRECTED TO THE SANITARY SEWER SYSTEM.
- CONTRACTOR SHALL COMPLETE 24" SANITARY SEWER EFFLUENT DISCHARGE AND 10" SANITARY FORCE MAIN. SEE PLAN AND PROFILE SHEETS 3 THROUGH 9 AND SHEETS 12 THROUGH 18. CONTRACTOR SHALL BEGIN CONSTRUCTION AT DOWNSTREAM END AND WORK UPSTREAM. CONTRACTOR SHALL PROVIDE MEANS OF CONVEYING EXISTING SANITARY SEWER FLOWS AT ALL TIMES DURING WORK AND UNTIL NEW SANITARY TREATMENT FACILITY IS OPERATIONAL.
- CONTRACTOR SHALL COMPLETE 24" & 18" SANITARY SEWERS. SEE PLAN AND PROFILE SHEETS 10 AND 11. CONTRACTOR SHALL BEGIN CONSTRUCTION AT EXISTING MANHOLE #03 AND WORK DOWNSTREAM. CONTRACTOR SHALL PROVIDE MEANS OF CONVEYING EXISTING SANITARY SEWER FLOWS AT ALL TIMES DURING WORK AND UNTIL NEW SANITARY TREATMENT FACILITY IS OPERATIONAL.
- CONTRACTOR SHALL COMPLETE 18" & 8" SANITARY SEWERS. SEE PLAN AND PROFILE SHEET 11A. CONTRACTOR SHALL BEGIN CONSTRUCTION AT DOWNSTREAM END AND WORK UPSTREAM.
- CONTRACTOR SHALL COMPLETE 18" SANITARY SEWER AT EXISTING WASTE WATER TREATMENT PLANT. SEE PLAN AND PROFILE SHEET 18. CONTRACTOR SHALL BEGIN CONSTRUCTION AT UPSTREAM END AND WORK DOWNSTREAM. CONTRACTOR SHALL PROVIDE MEANS OF CONVEYING EXISTING SANITARY SEWER FLOWS AT ALL TIMES DURING WORK AND UNTIL NEW SANITARY TREATMENT FACILITY IS OPERATIONAL.

SYMBOL LEGEND

EXISTING		EXISTING	
	FENCE		SURVEY CONTROL POINT
	TREE LINE		IRON PIPE FOUND
	PROPERTY LINE		IRON PIN FOUND
	RIGHT-OF-WAY		BENCHMARK
	EDGE OF PAVEMENT		DECIDUOUS TREE
	EDGE OF CURB		NON-DECIDUOUS TREE
	EDGE OF SIDEWALK		SHRUB/BUSH
	8" SAN		STUMP
	18" STM		SIGN
	GAS		GUY WIRE
	WATER		STORM MANHOLE
	TELEPHONE UNDERGROUND		STORM CURB INLET
	OVERHEAD UTILITY		CATCH BASIN SQUARE
	ELECTRIC UNDERGROUND		

NEW

	SANITARY & STORM SEWER (18" OR GREATER)
	SANITARY SEWER (15" OR LESS)
	6" WATER MAIN
	SANITARY MANHOLE
	STORM MANHOLE
	CATCH BASIN
	CURB INLET
	TREE REMOVED

PROJECT CONTROL				
Point #	Northing	Easting	Elevation	Desc.
1	628090.48	1839822.75	714.23	I. PIN
2	627588.94	1840063.94	713.74	I. PIN
3	626940.05	1840269.33	714.06	I. PIN
4	626490.88	1839157.10	709.00	MAG NAIL
5	624754.65	1839089.31	705.85	MAG NAIL
6	624746.85	1839475.15	706.55	I. PIN
7	624688.67	1839889.90	706.95	MAG NAIL
8	624260.82	1839807.43	705.66	MAG NAIL
9	623892.01	1839800.40	703.58	MAG NAIL
10	623585.72	1839777.83	691.28	MAG NAIL
11	625462.40	1839519.11	709.16	I. PIN
12	626164.30	1839601.77	709.75	I. PIN
13	626209.38	1839148.00	709.30	MAG NAIL
14	625507.97	1839127.68	708.01	MAG NAIL
15	626142.29	1839374.38	709.65	HPK
16	625347.82	1839301.93	707.70	HPK

PROJECT BENCH MARKS

ALL SURVEY CONTROL ARE BASED ON THE USGS NAVD 88 AND NAD 83(1995) REFERENCE DATUM. SURVEY WAS PERFORMED IN STATE PLANE COORDINATES.

BM-1 RRS IN POLE ELEV=715.58'	BM-2 N BOLT ON F. HYD. ELEV=713.71'	BM-4 ARROW BOLT ON F. HYD. ELEV=708.15'	BM-6 ARROW BOLT ON F. HYD. ELEV=707.60'
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BM-3 ARROW BOLT ON F. HYD. ELEV=711.36'	BM-5 ARROW BOLT ON F. HYD. ELEV=709.20'	BM-7 NW BOLT ON F. HYD. ELEV=708.70'	BM-8 ARROW BOLT ON F. HYD. ELEV=703.57'
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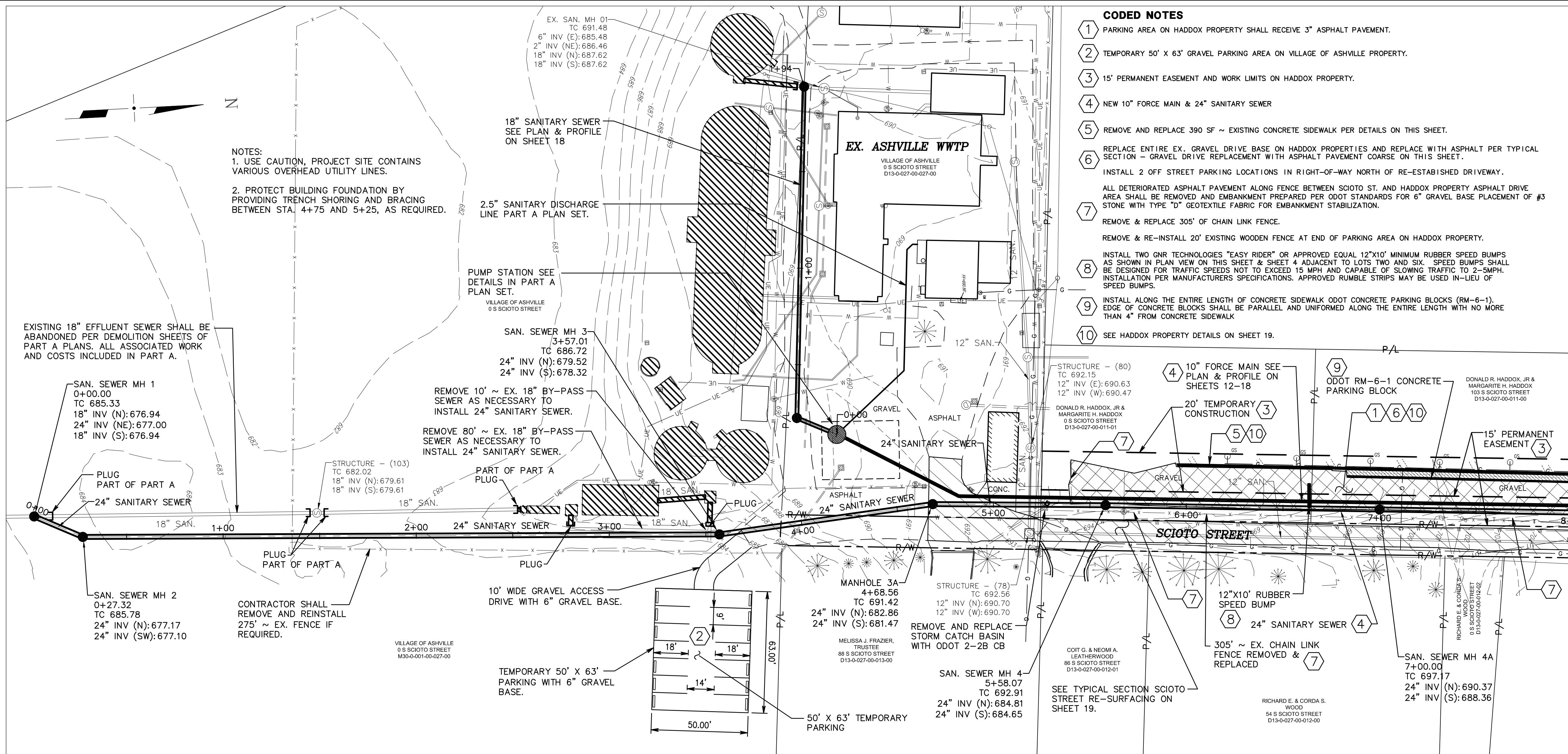
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SCALE HORZ: 1"=200'	

**INDEX SHEET
CONSTRUCTION SEQUENCE
SURVEY CONTROL &
LEGEND**

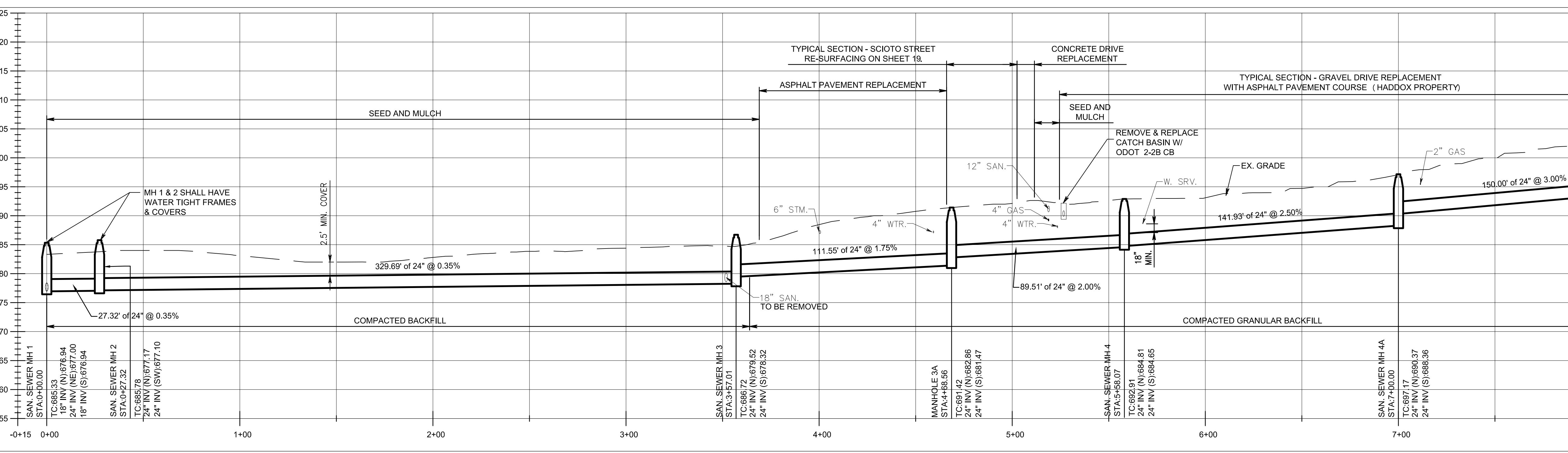
**VILLAGE OF ASHVILLE
SANITARY SEWER
IMPROVEMENTS
(PART B)**

URS Corporation

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- CODED NOTES**
- 1 PARKING AREA ON HADDOX PROPERTY SHALL RECEIVE 3" ASPHALT PAVEMENT.
 - 2 TEMPORARY 50' X 63' GRAVEL PARKING AREA ON VILLAGE OF ASHVILLE PROPERTY.
 - 3 15' PERMANENT EASEMENT AND WORK LIMITS ON HADDOX PROPERTY.
 - 4 NEW 10" FORCE MAIN & 24" SANITARY SEWER
 - 5 REMOVE AND REPLACE 390 SF ~ EXISTING CONCRETE SIDEWALK PER DETAILS ON THIS SHEET.
 - 6 REPLACE ENTIRE EX. GRAVEL DRIVE BASE ON HADDOX PROPERTIES AND REPLACE WITH ASPHALT PER TYPICAL SECTION - GRAVEL DRIVE REPLACEMENT WITH ASPHALT PAVEMENT COARSE ON THIS SHEET.
 - 7 INSTALL 2 OFF STREET PARKING LOCATIONS IN RIGHT-OF-WAY NORTH OF RE-ESTABLISHED DRIVEWAY.
 - 8 ALL DETERIORATED ASPHALT PAVING ALONG FENCE BETWEEN SCIOTO ST. AND HADDOX PROPERTY ASPHALT DRIVE AREA SHALL BE REMOVED AND EMBANKMENT PREPARED PER ODOT STANDARDS FOR 6" GRAVEL BASE PLACEMENT OF #3 STONE WITH TYPE "D" GEOTEXTILE FABRIC FOR EMBANKMENT STABILIZATION.
 - 9 REMOVE & REPLACE 305' OF CHAIN LINK FENCE.
 - 10 REMOVE & RE-INSTALL 20' EXISTING WOODEN FENCE AT END OF PARKING AREA ON HADDOX PROPERTY.
 - 11 INSTALL TWO GNR TECHNOLOGIES "EASY RIDER" OR APPROVED EQUAL 12"x10" MINIMUM RUBBER SPEED BUMPS AS SHOWN IN PLAN VIEW ON THIS SHEET & SHEET 4 ADJACENT TO LOTS TWO AND SIX. SPEED BUMPS SHALL BE DESIGNED FOR TRAFFIC SPEEDS NOT TO EXCEED 15 MPH AND CAPABLE OF SLOWING TRAFFIC TO 2-5MPH. INSTALLATION PER MANUFACTURERS SPECIFICATIONS. APPROVED RUMBLE STRIPS MAY BE USED IN- LIEU OF SPEED BUMPS.
 - 12 INSTALL ALONG THE ENTIRE LENGTH OF CONCRETE SIDEWALK ODOT CONCRETE PARKING BLOCKS (RM-6-1). EDGE OF CONCRETE BLOCKS SHALL BE PARALLEL AND UNIFORMED ALONG THE ENTIRE LENGTH WITH NO MORE THAN 4" FROM CONCRETE SIDEWALK
 - 13 SEE HADDOX PROPERTY DETAILS ON SHEET 19.



MATCH LINE, STA. 8+00 SEE SHEET 4

MATCH LINE, STA. 8+00 SEE SHEET 4

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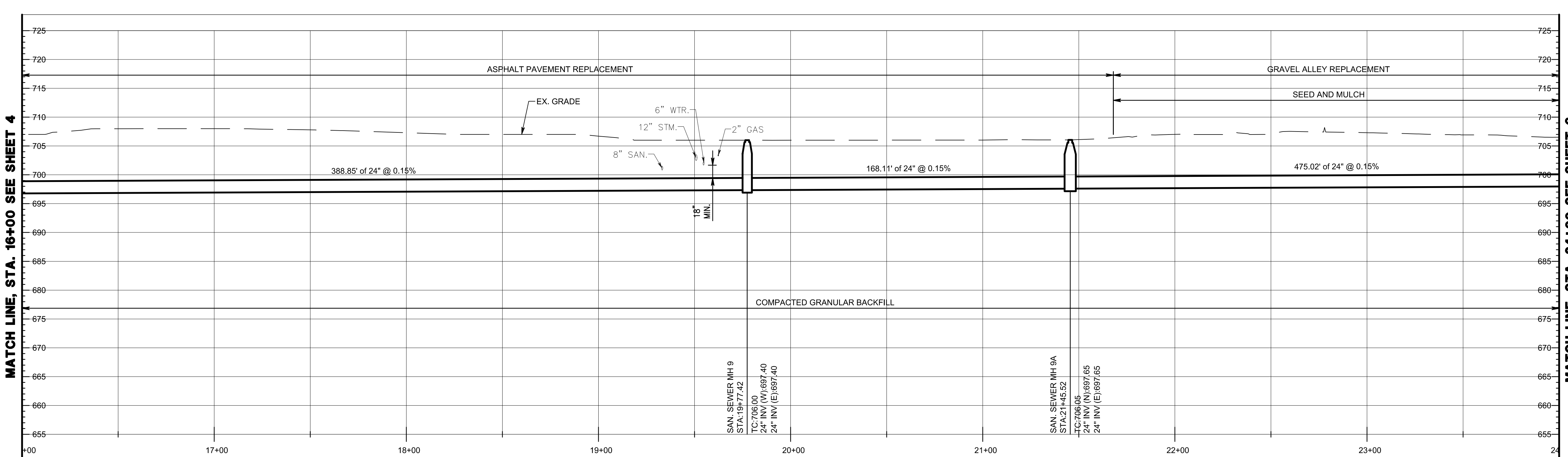
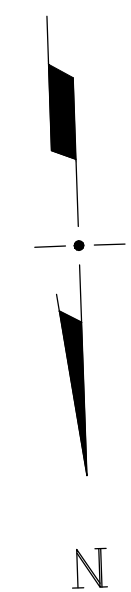
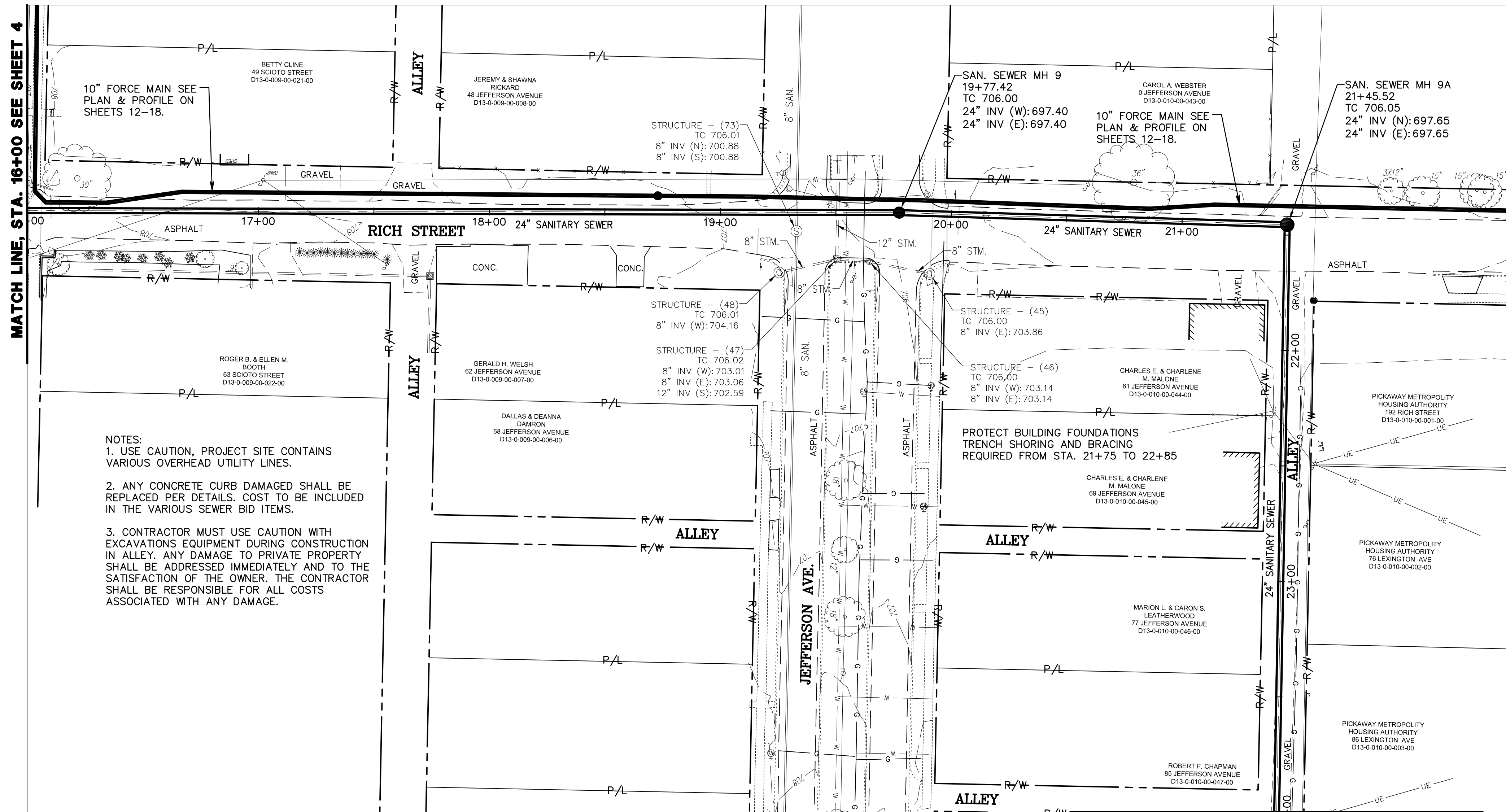
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24" EFFLUENT DISCHARGE PLAN & PROFILE

VILLAGE OF ASHVILLE SANITARY SEWER IMPROVEMENTS (PART B)

URS Corporation

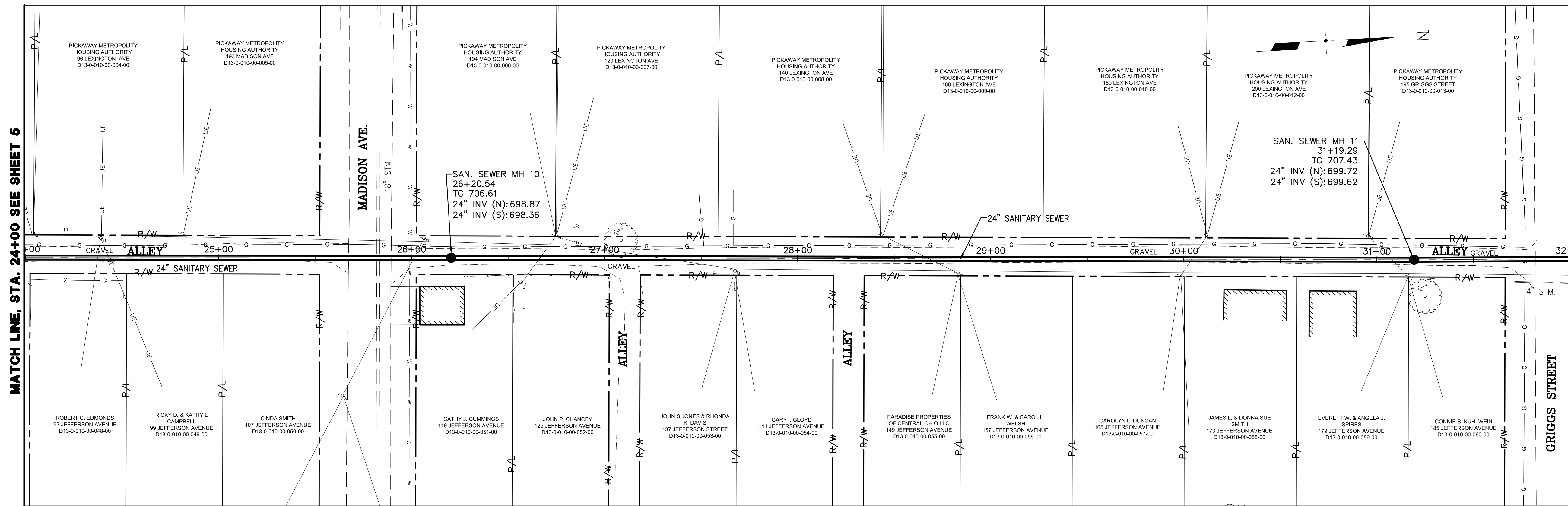
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RECORD DRAWINGS		DATE	BY
DESIGNED AM	DATE	07/01/2016	
CHECKED MN	JOB NO	14578119	
SCALE HORZ: 1"=30' VERT: 1" = 10'			
24" EFFLUENT DISCHARGE PLAN & PROFILE			
VILLAGE OF ASHVILLE SANITARY SEWER IMPROVEMENTS (PART B)			
URS Corporation			
5			

PLOT INFO: ANDREW.MARTIN02 \L\PROJECTS\14578119\CIVIL\8119-PP06.DWG 09/22/16 2:38PM LTS: 1 PSLTS: 1

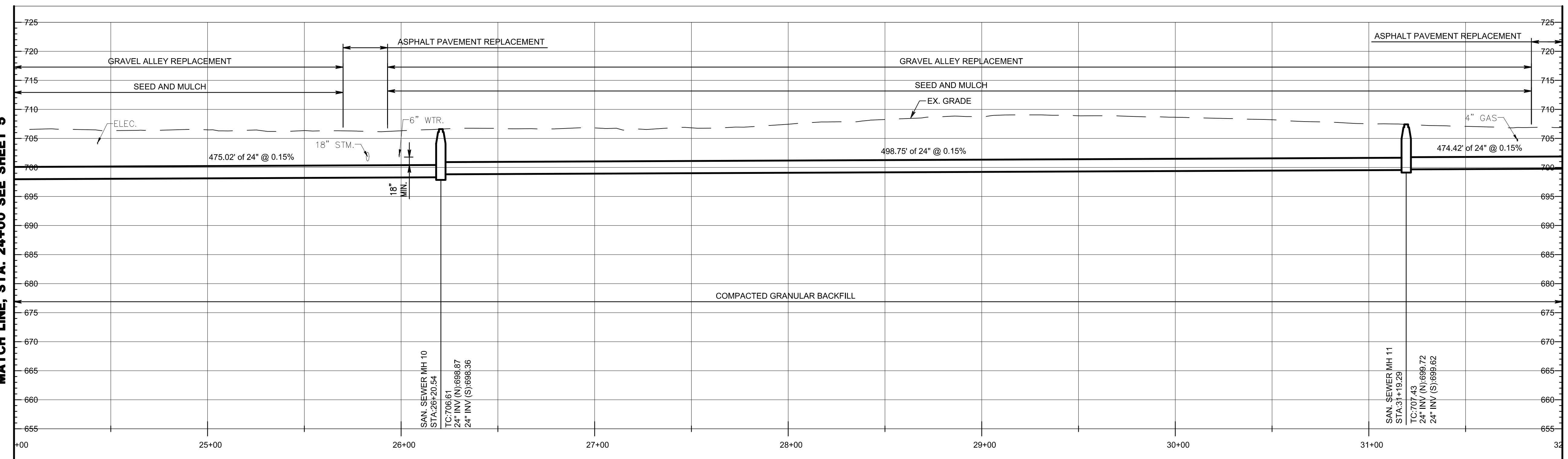
MATCH LINE, STA. 24+00 SEE SHEET 5



MATCH LINE, STA. 32+00 SEE SHEET 7

- NOTES:
1. USE CAUTION, PROJECT SITE CONTAINS VARIOUS OVERHEAD UTILITY LINES.
 2. CONTRACTOR MUST USE CAUTION WITH EXCAVATIONS EQUIPMENT DURING CONSTRUCTION IN ALLEY. ANY DAMAGE TO PRIVATE PROPERTY SHALL BE ADDRESSED IMMEDIATELY AND TO THE SATISFACTION OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ANY DAMAGE.

MATCH LINE, STA. 24+00 SEE SHEET 5



MATCH LINE, STA. 32+00 SEE SHEET 7

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RECORD DRAWINGS DATE BY

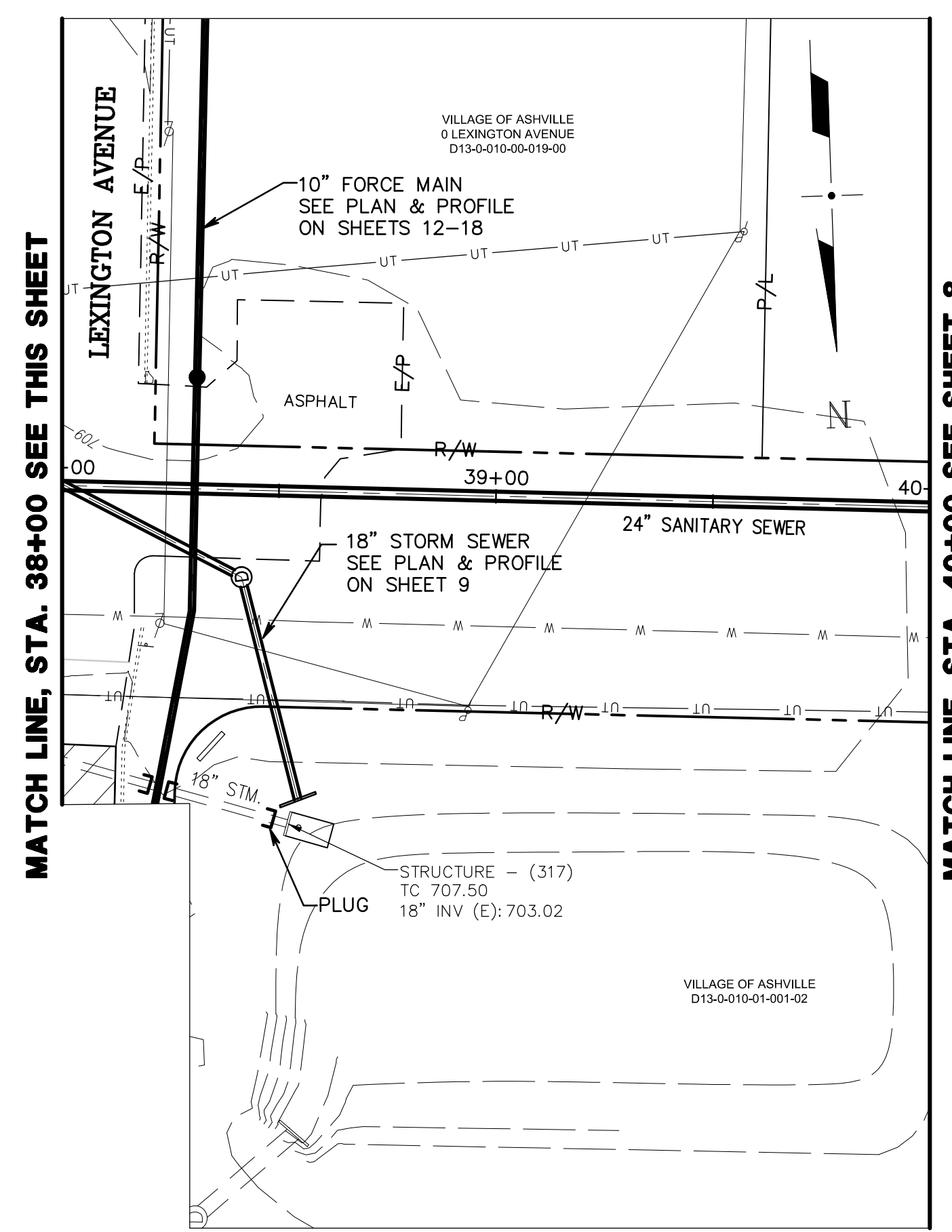
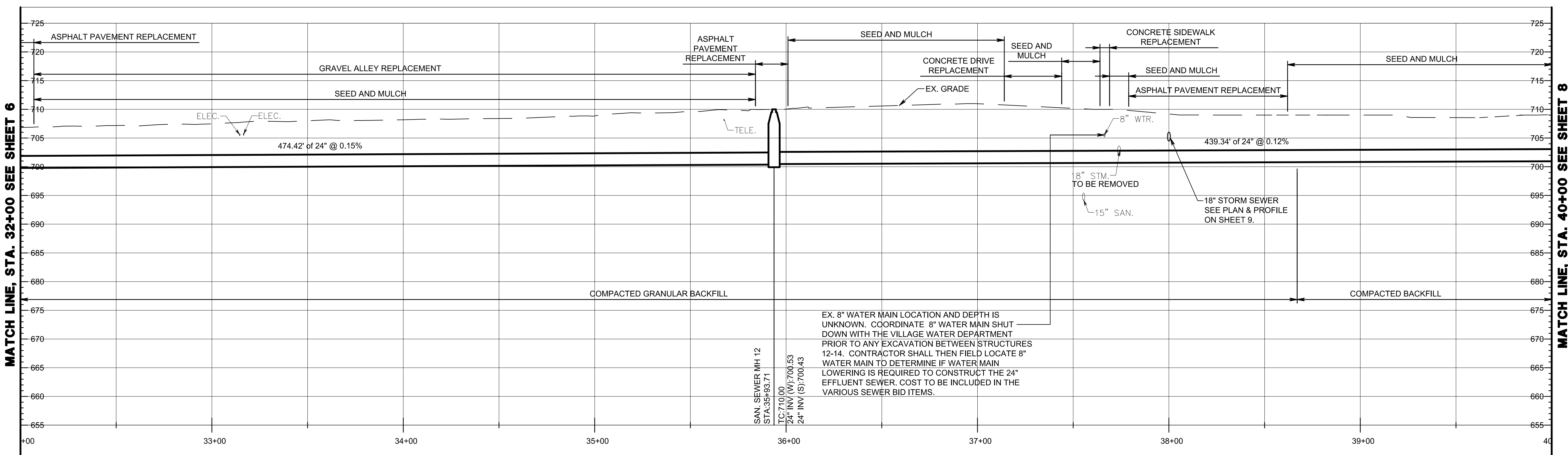
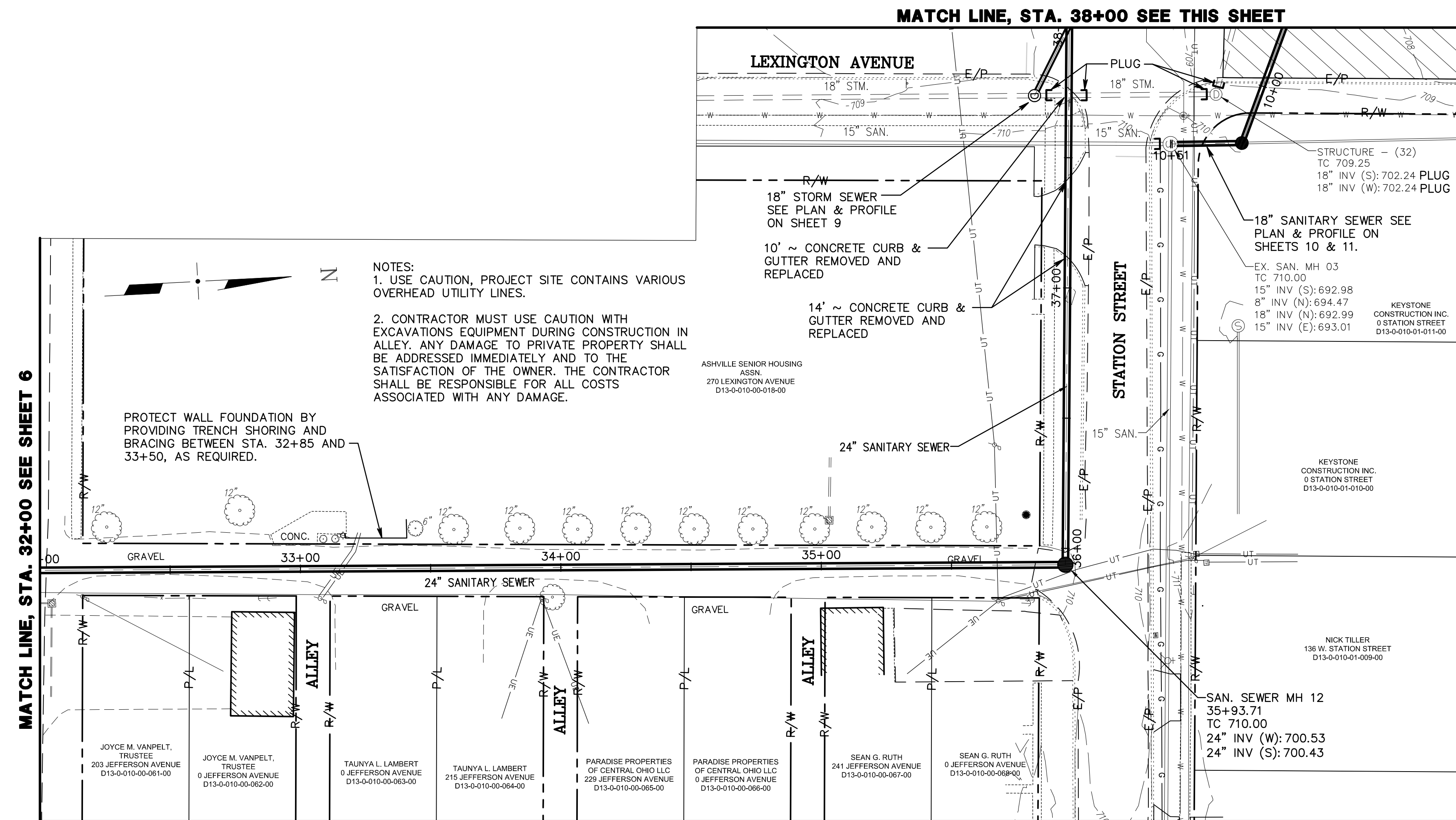
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**24" EFFLUENT DISCHARGE
 PLAN & PROFILE**

**VILLAGE OF ASHVILLE
 SANITARY SEWER
 IMPROVEMENTS
 (PART B)**

URS Corporation

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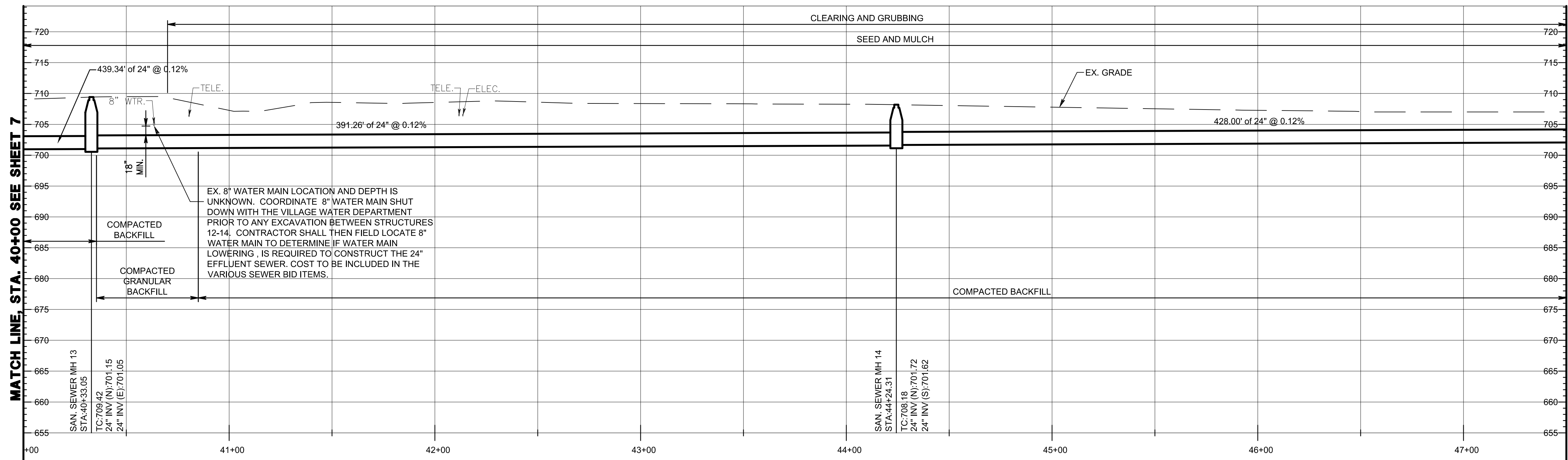
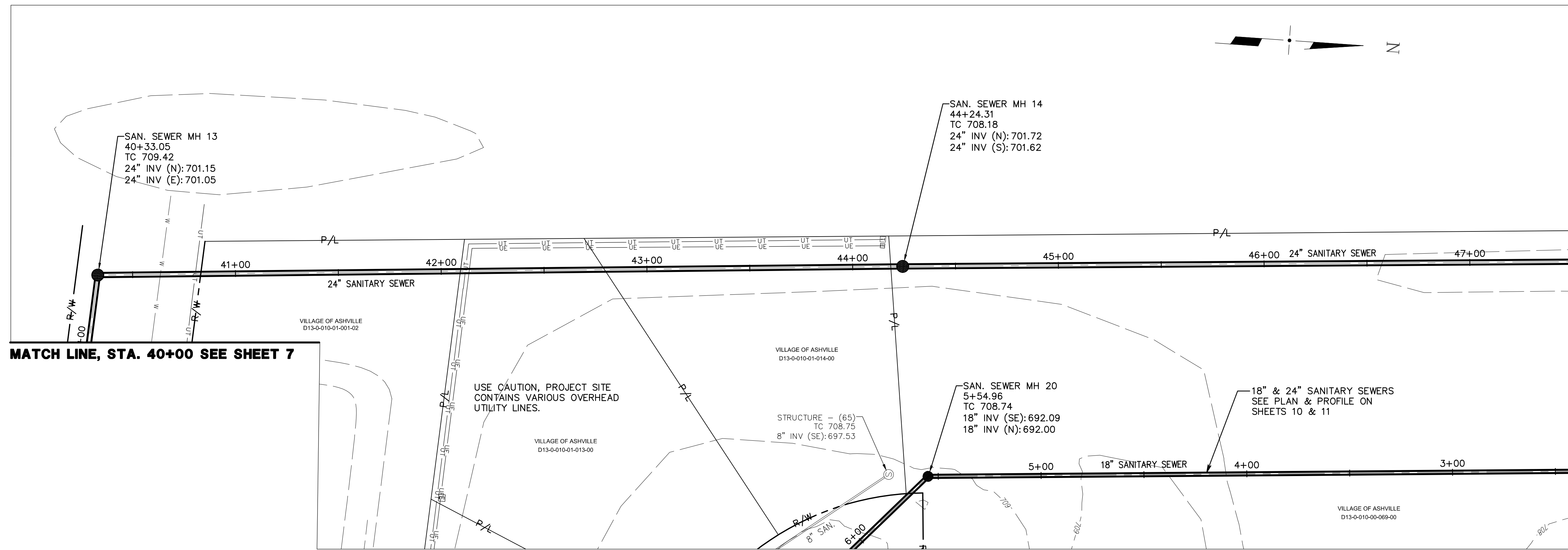
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24" EFFLUENT DISCHARGE PLAN & PROFILE

VILLAGE OF ASHVILLE SANITARY SEWER IMPROVEMENTS (PART B)

URS Corporation

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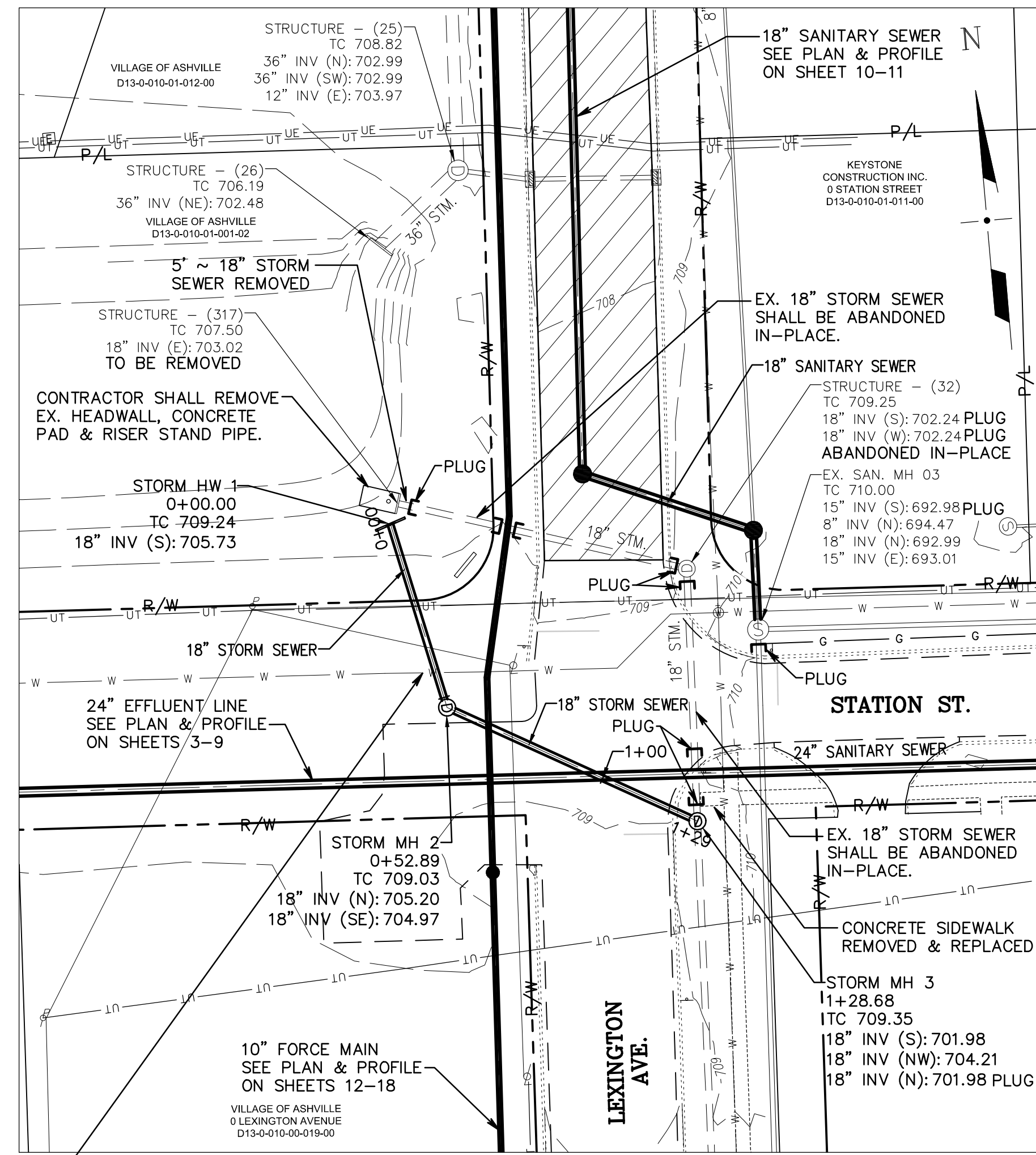
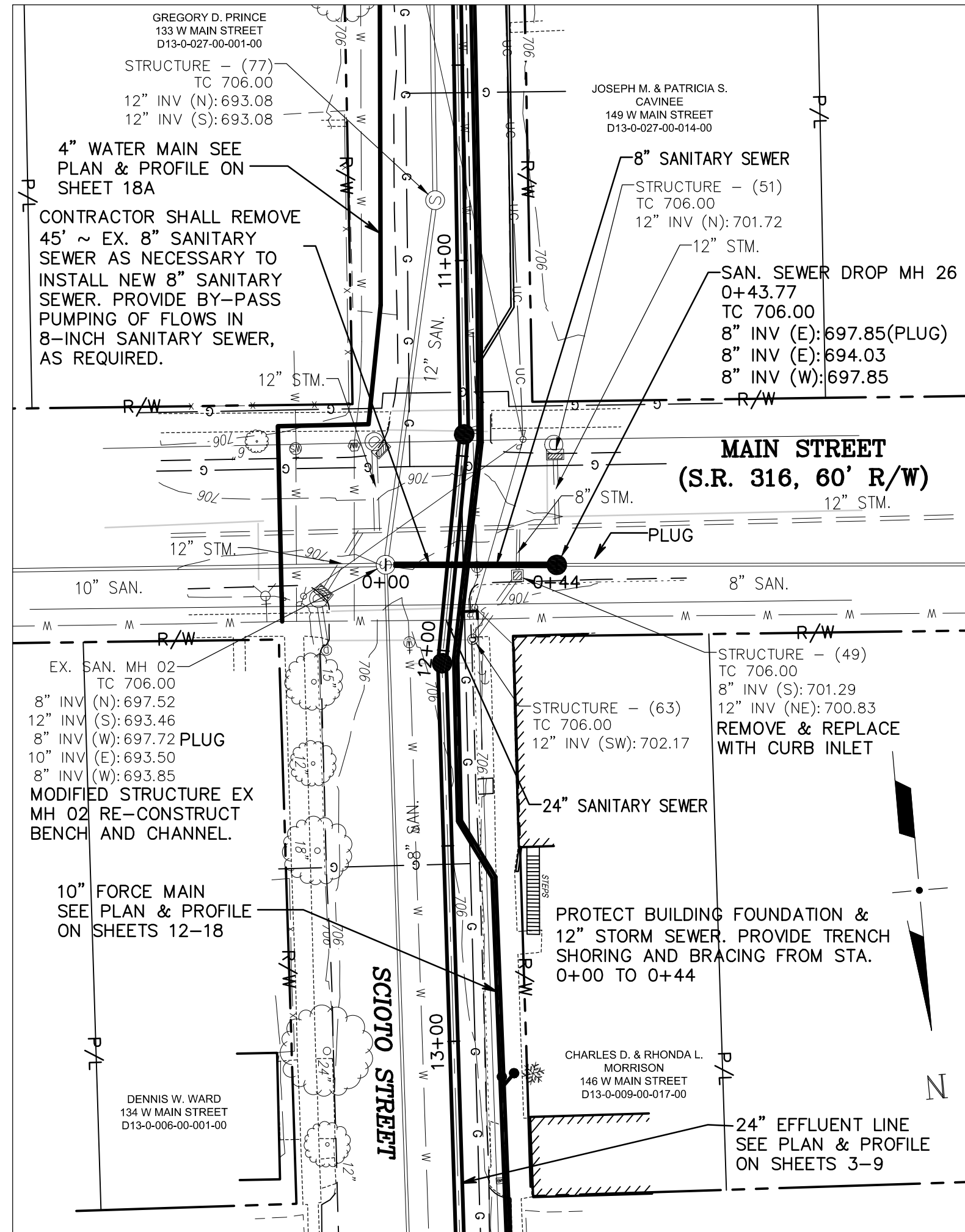
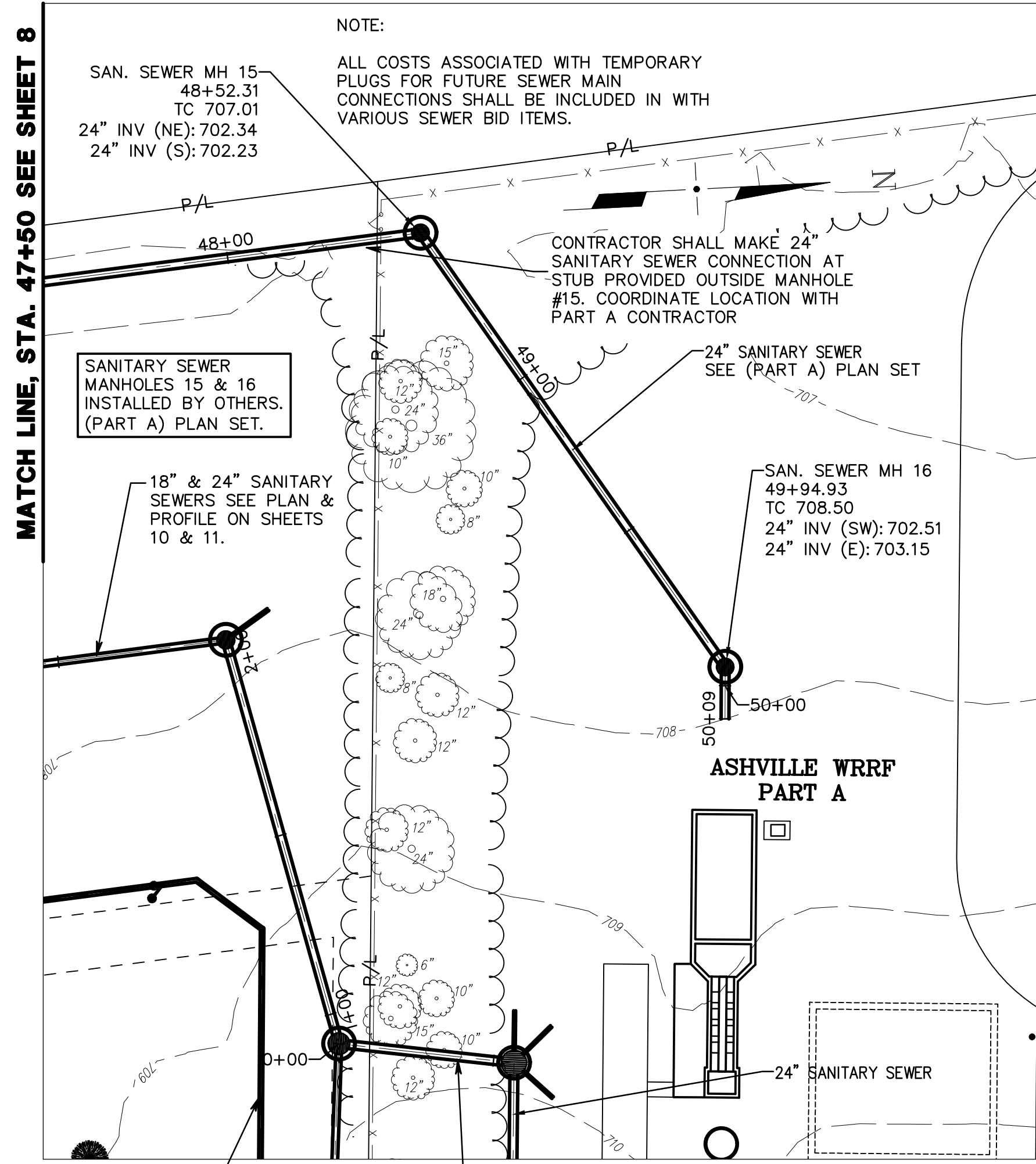
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**24" EFFLUENT DISCHARGE
PLAN & PROFILE**

**VILLAGE OF ASHVILLE
SANITARY SEWER
IMPROVEMENTS
(PART B)**

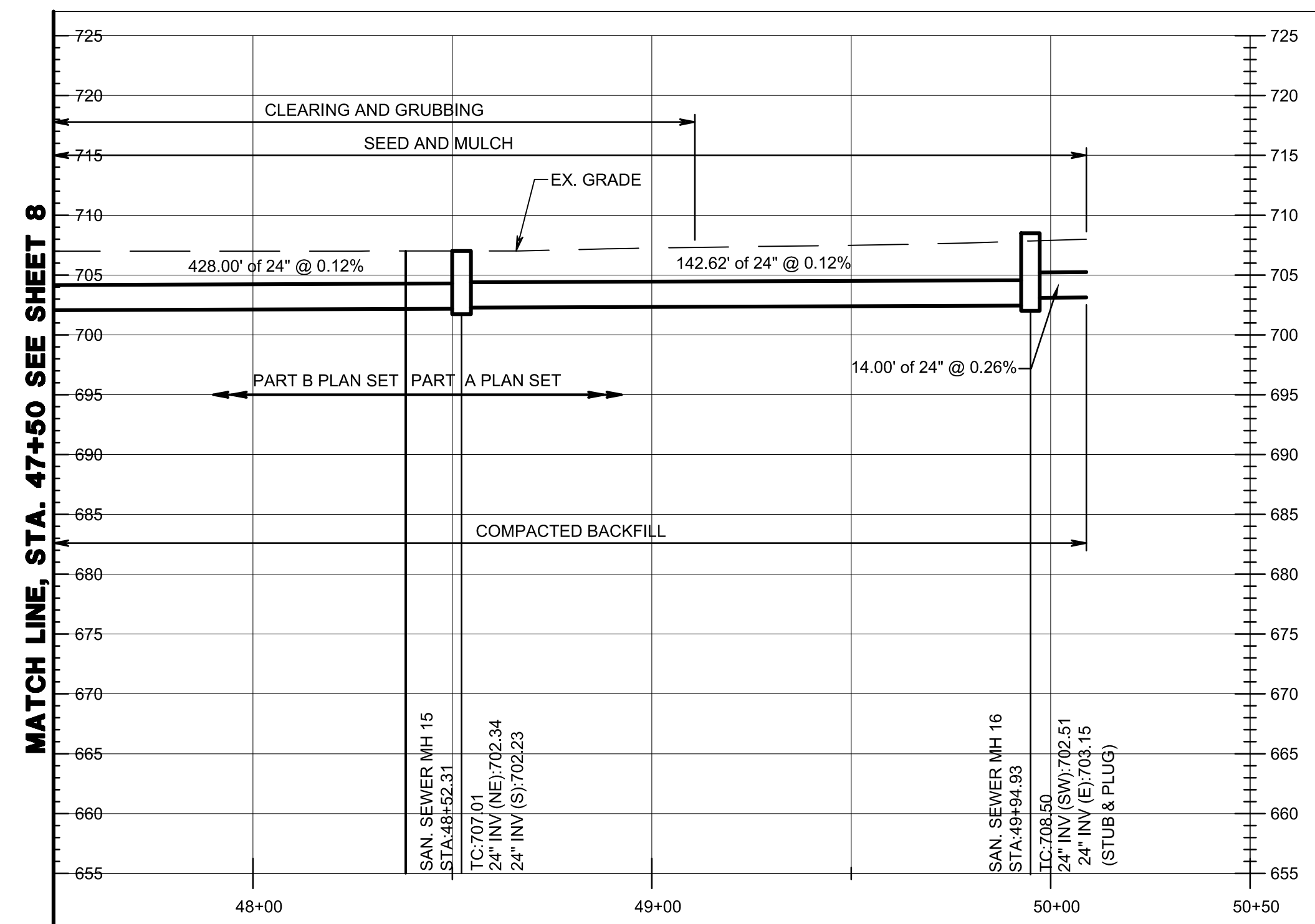
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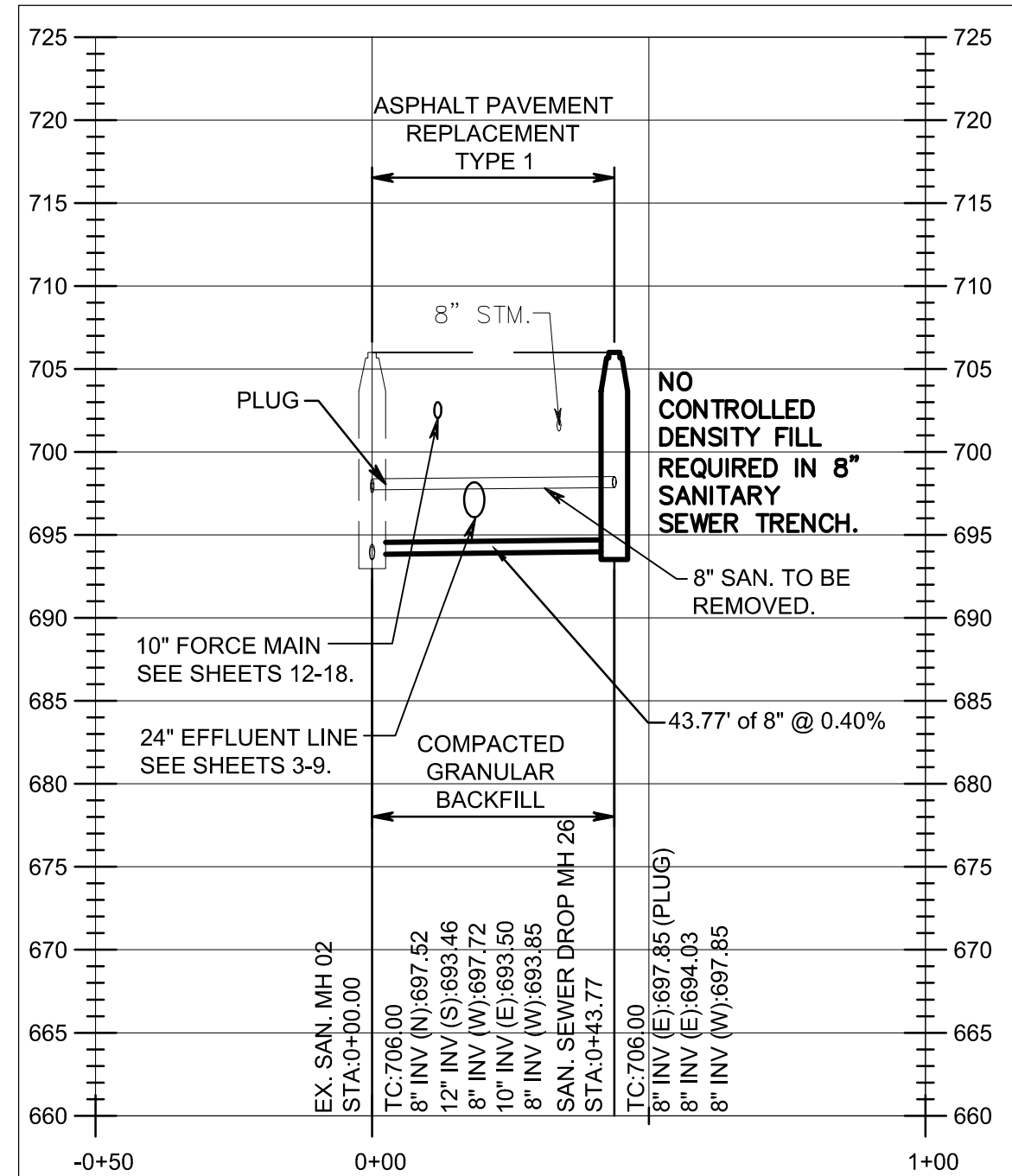


NOTES:
USE CAUTION, PROJECT SITE CONTAINS VARIOUS OVERHEAD UTILITY LINES.
ANY CONCRETE CURB DAMAGED SHALL BE REPLACED PER DETAILS. COST TO BE INCLUDED IN THE VARIOUS SEWER BID ITEMS.

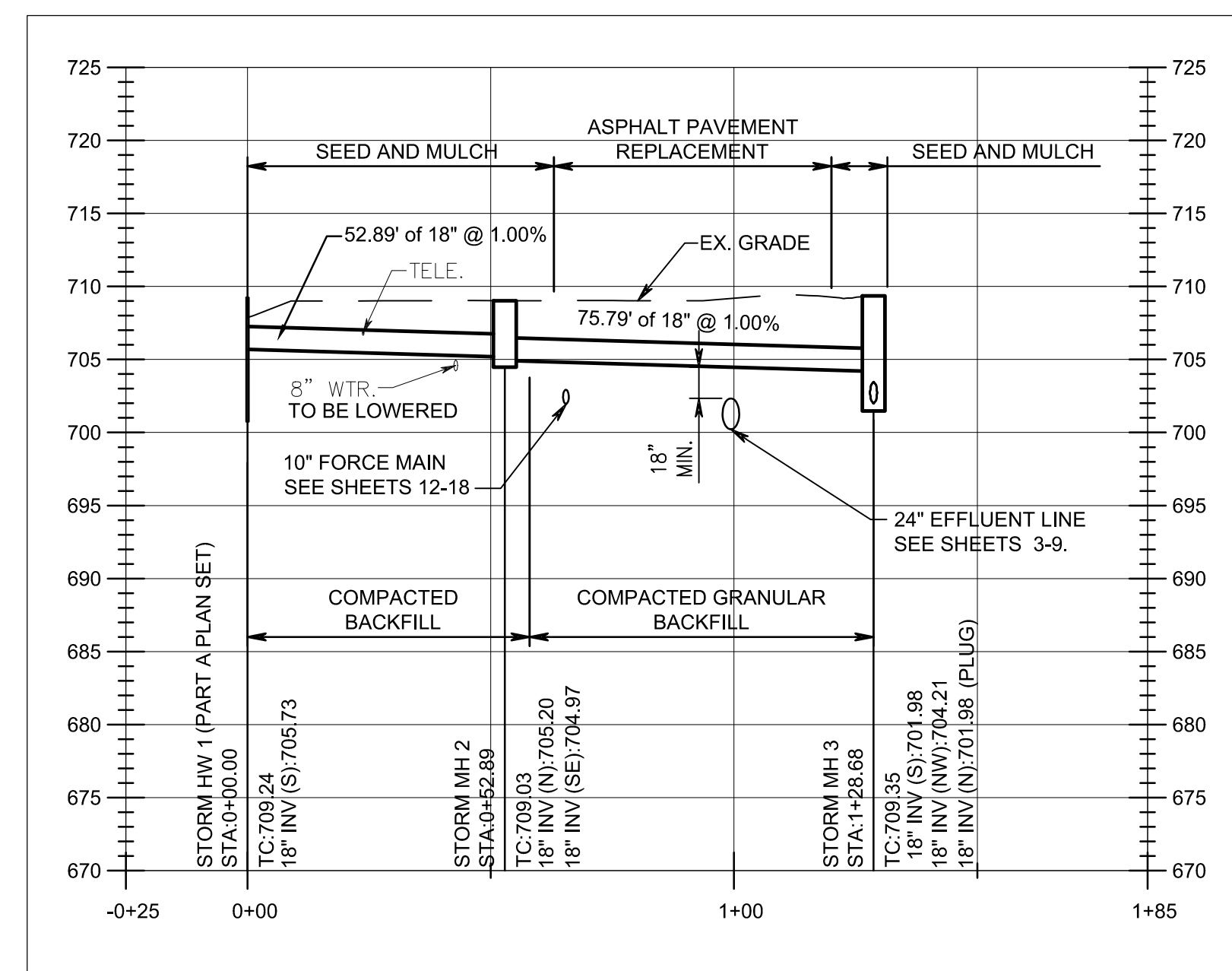
EX. 8" WATER MAIN LOCATION AND DEPTH IS UNKNOWN. COORDINATE 8" WATER MAIN SHUT DOWN WITH THE VILLAGE WATER DEPARTMENT PRIOR TO ANY STORM SEWER WORK. CONTRACTOR SHALL THEN FIELD LOCATE ELEVATION OF 8" WATER MAIN TO DETERMINE IF WATER MAIN LOWERING, IS REQUIRED TO CONSTRUCT THE 18" STORM SEWER. COST TO BE INCLUDED IN THE VARIOUS BID ITEMS.



24" EFFLUENT DISCHARGE SEWER BETWEEN POST AERATION TANK AND MH 15



8" SANITARY SEWER LOWERING AT MAIN & SCIOTO STREETS



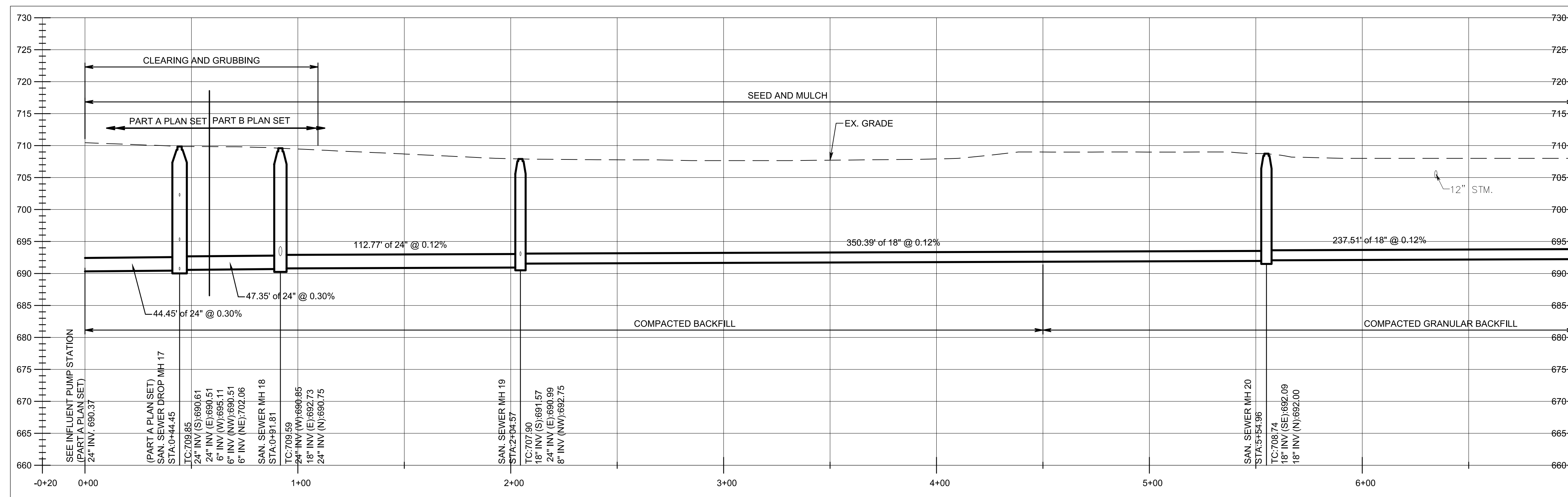
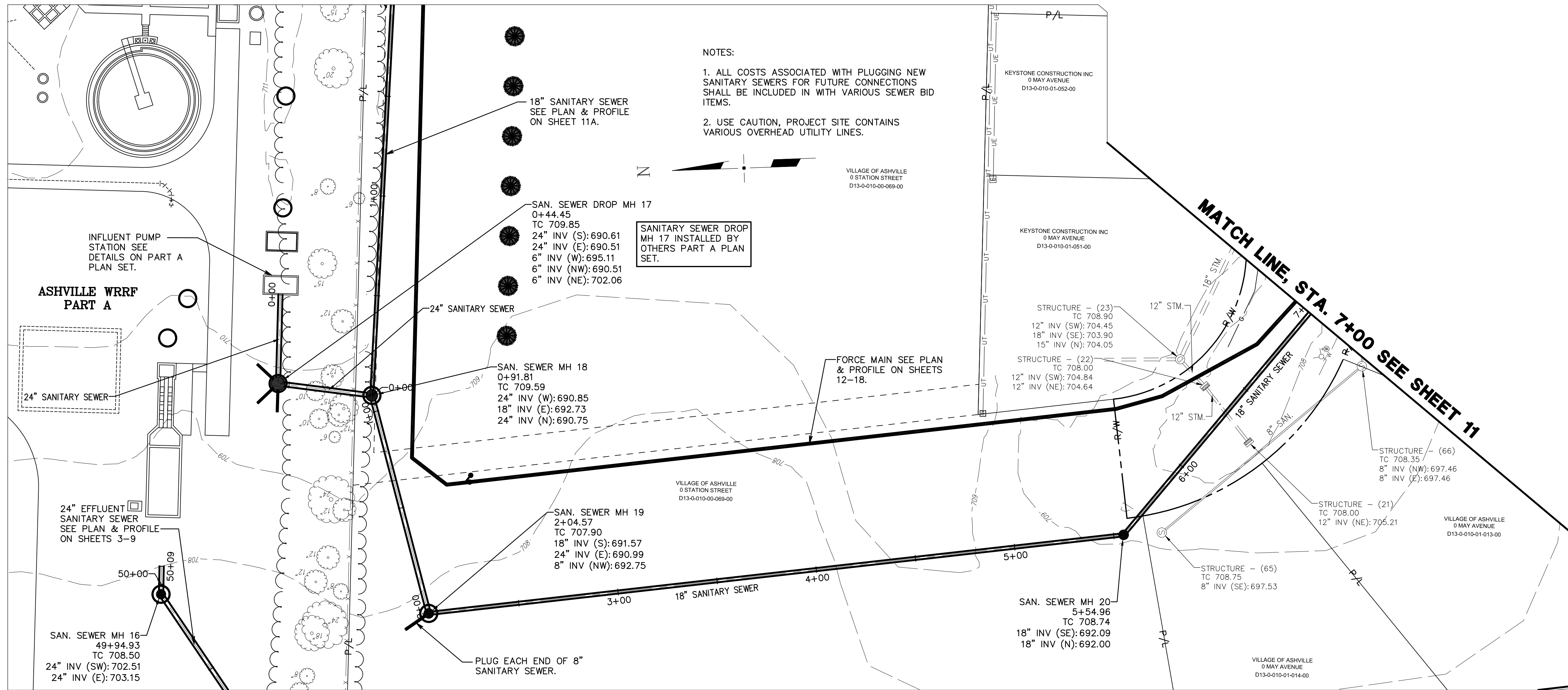
18" STORM SEWER RELOCATION AT LEXINGTON AVE. & STATION STREET

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24" EFFLUENT DISCHARGE PLAN & PROFILE

VILLAGE OF ASHVILLE SANITARY SEWER IMPROVEMENTS (PART B)

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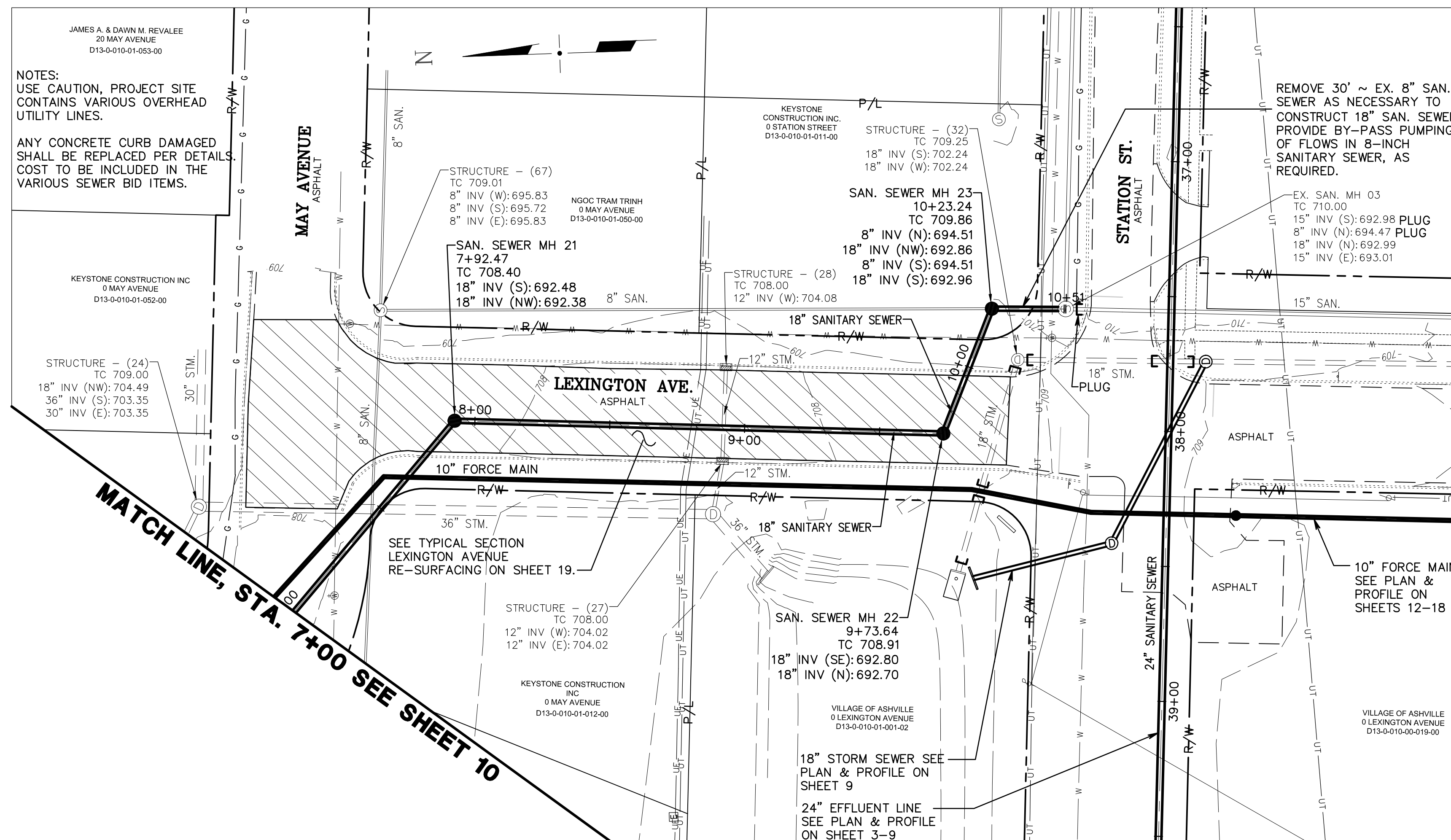
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**18" GRAVITY SEWER
 PLAN & PROFILE**

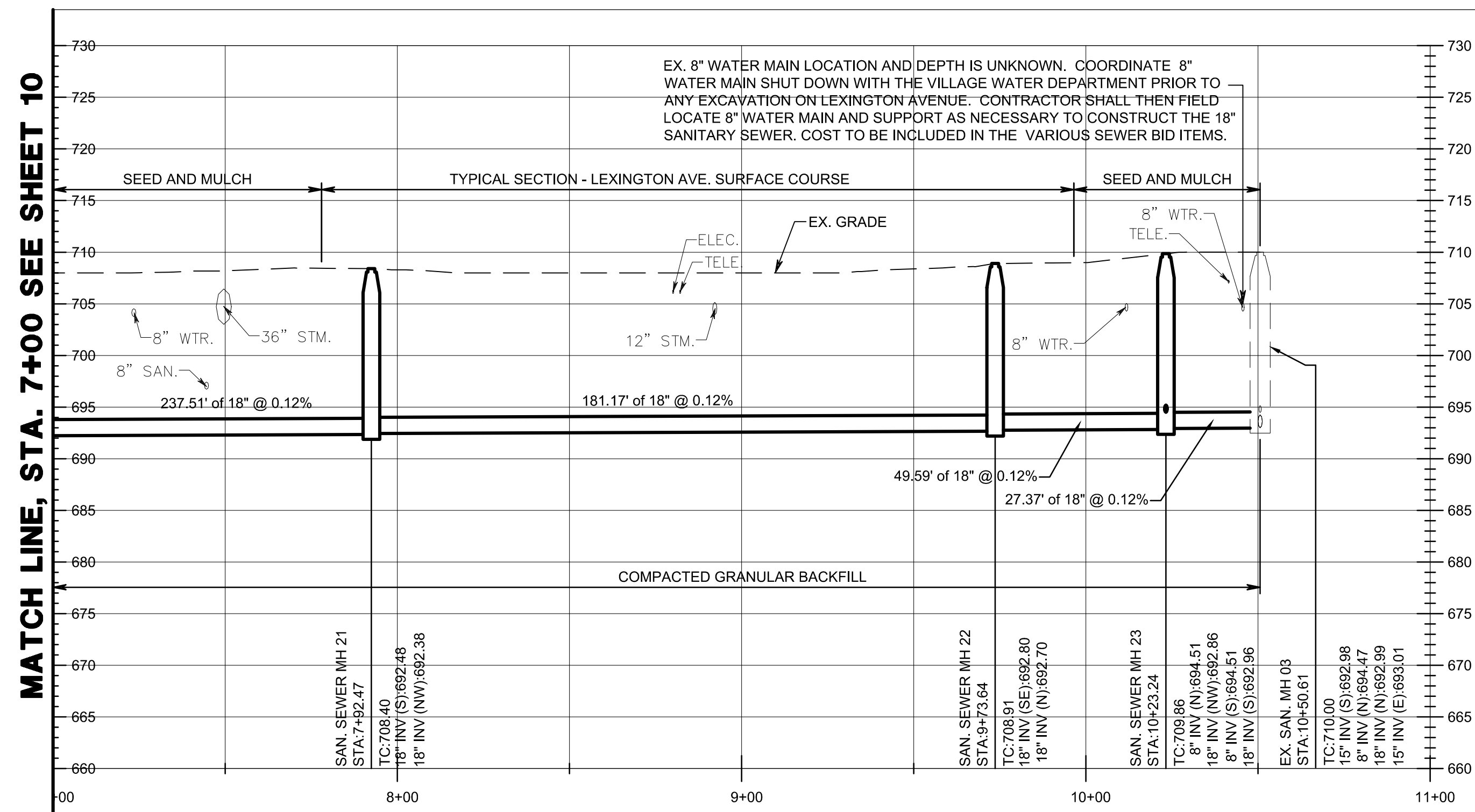
**VILLAGE OF ASHVILLE
 SANITARY SEWER
 IMPROVEMENTS
 (PART B)**

URS Corporation

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MODIFIED STRUCTURE EX SAN MH 03 RE-CONSTRUCT BENCH AND CHANNEL



EX. 8" WATER MAIN LOCATION AND DEPTH IS UNKNOWN. COORDINATE 8" WATER MAIN SHUT DOWN WITH THE VILLAGE WATER DEPARTMENT PRIOR TO ANY EXCAVATION ON LEXINGTON AVENUE. CONTRACTOR SHALL THEN FIELD LOCATE 8" WATER MAIN AND SUPPORT AS NECESSARY TO CONSTRUCT THE 18" SANITARY SEWER. COST TO BE INCLUDED IN THE VARIOUS SEWER BID ITEMS.

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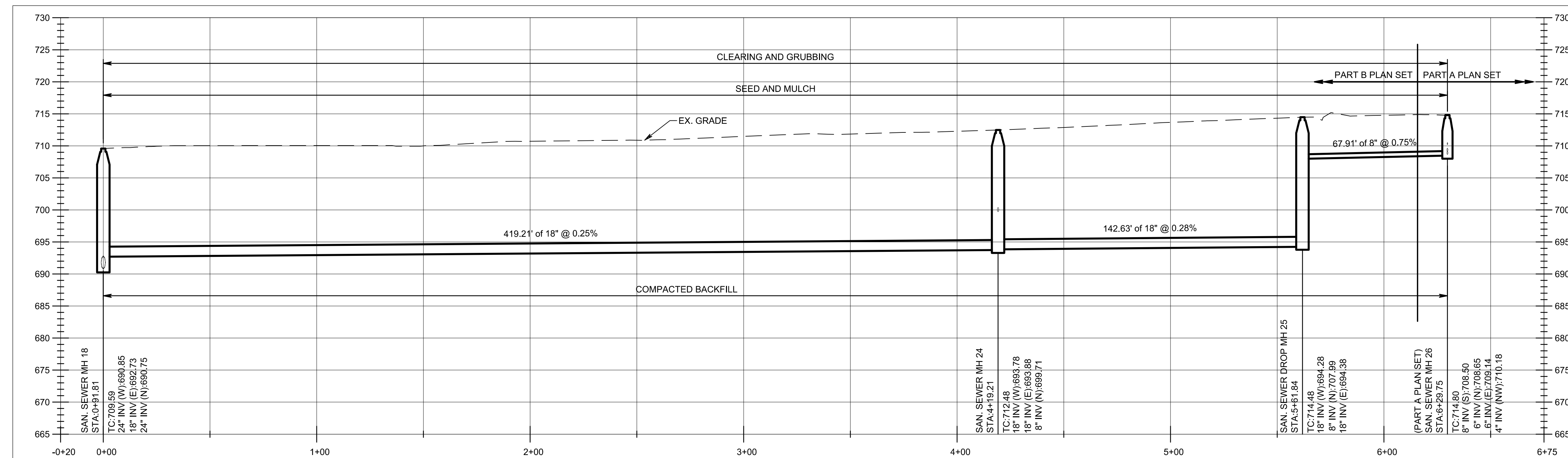
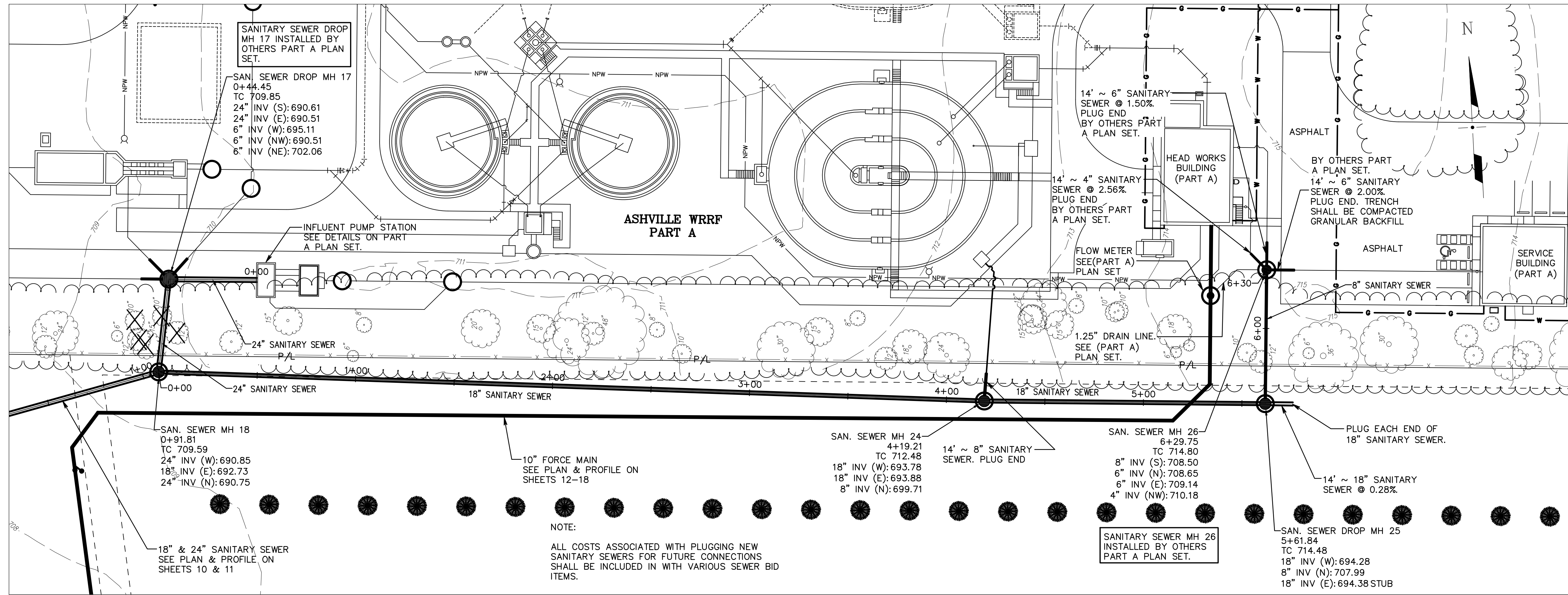
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18" GRAVITY SEWER & 6" WATER MAIN PLAN & PROFILE

VILLAGE OF ASHVILLE SANITARY SEWER IMPROVEMENTS (PART B)

URS Corporation

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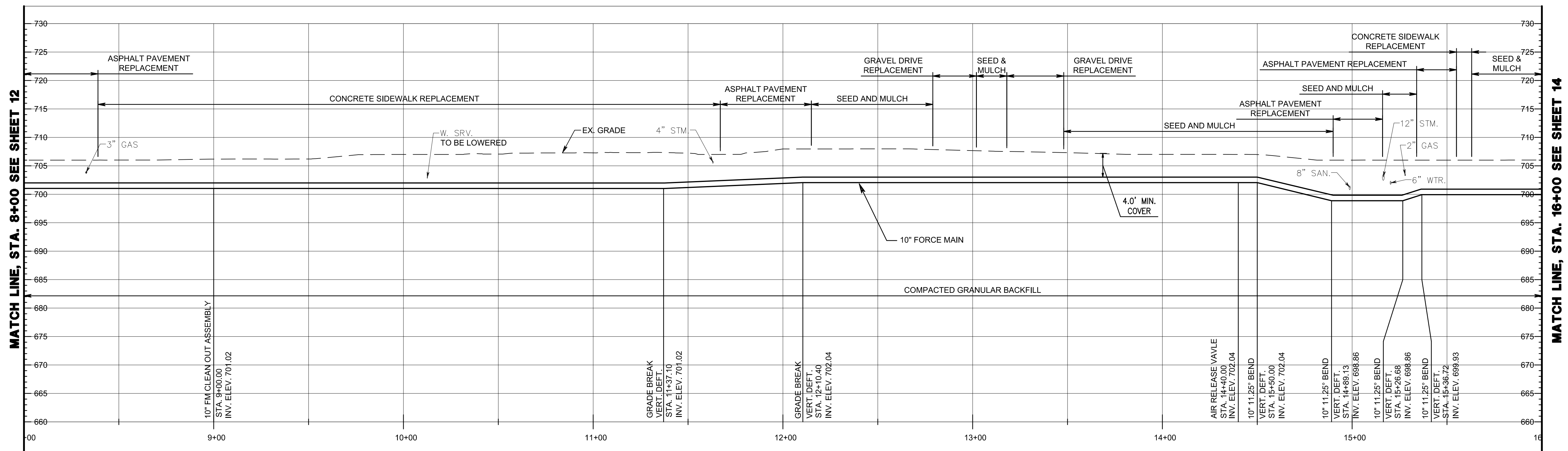
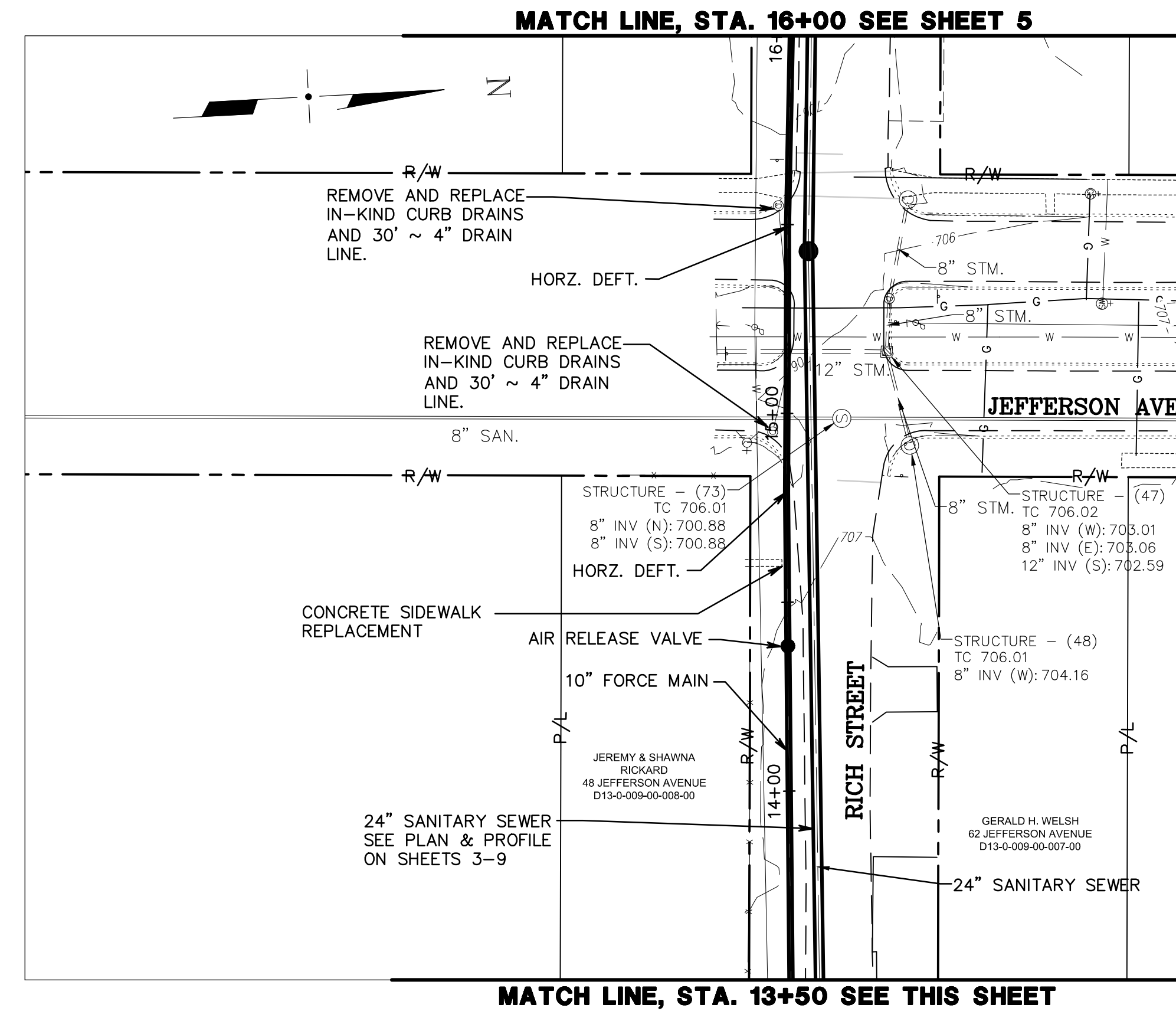
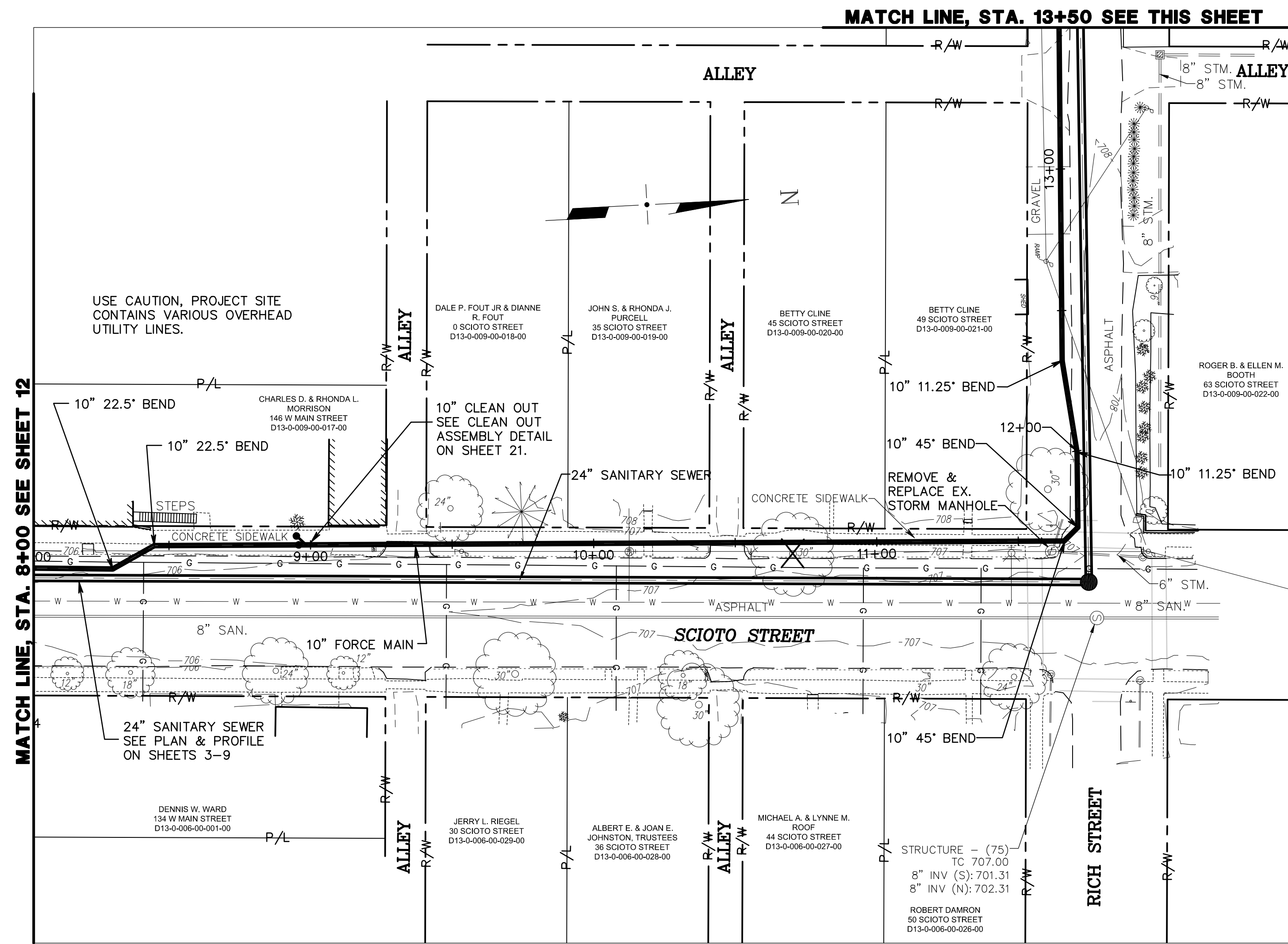
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 CHECKED MN _____ JOB NO 14578119
 SCALE HORIZ: 1"=30' VERT: 1" = 10'

**18" GRAVITY SEWER &
 8" GRAVITY SEWER
 PLAN & PROFILE**

**VILLAGE OF ASHVILLE
 SANITARY SEWER
 IMPROVEMENTS
 (PART B)**

URS Corporation

PLOT INFO: ANDREW.MARTIN02 L:\PROJECTS\14578119\CIVIL\8119-PP13.DWG 09/22/16 2:44PM LTS: 1 PSLTS: 1



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ADDENDUM REVISIONS			
ADDENDUM NO	ADDENDUM DATE	BY	
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DESIGNED AM	DATE 07/01/2016
CHECKED MN	JOB NO 14578119
SCALE HORZ: 1"=30' VERT: 1" = 10'	

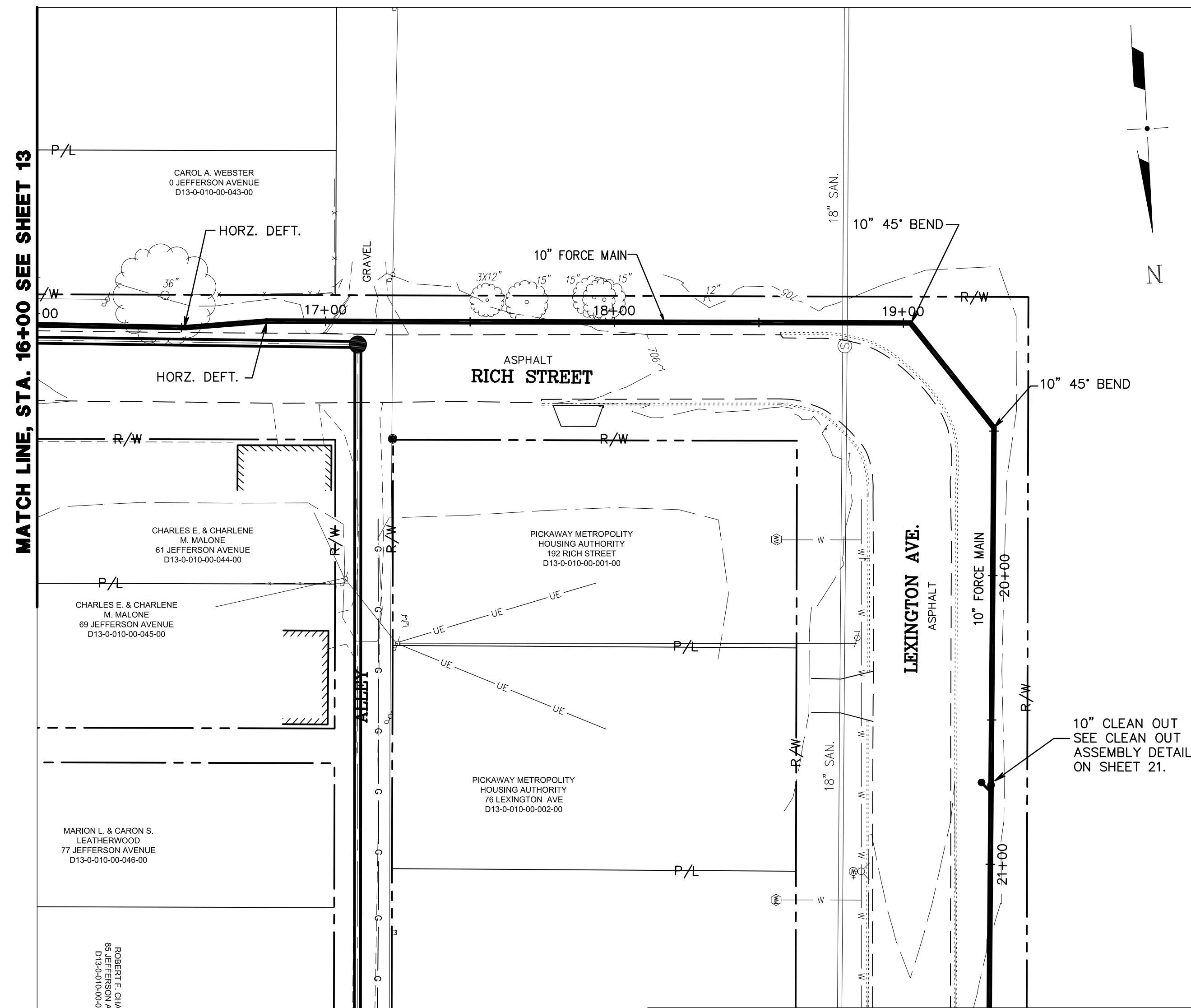
**FORCE MAIN
PLAN & PROFILE**

**VILLAGE OF ASHVILLE
SANITARY SEWER
IMPROVEMENTS
(PART B)**

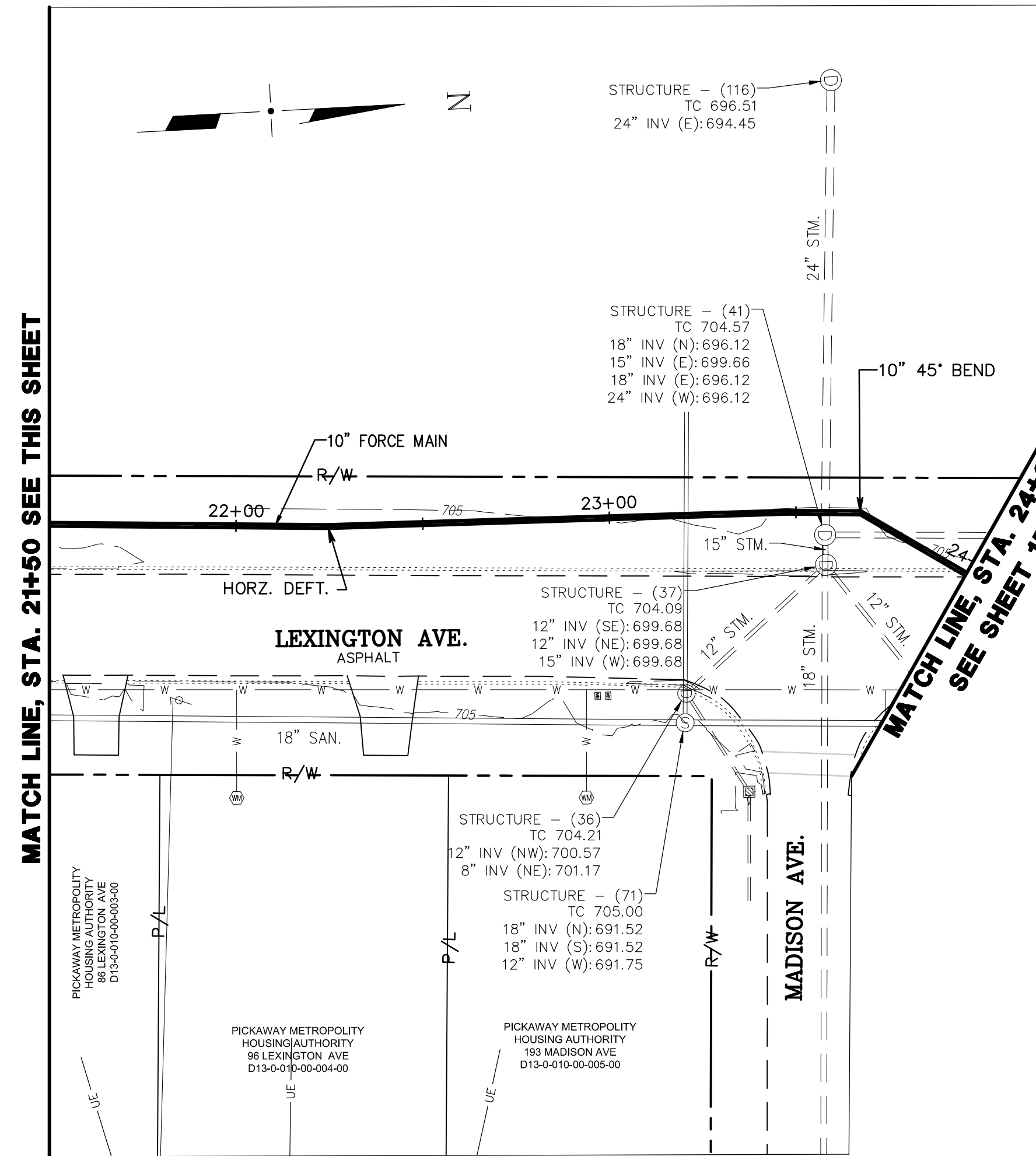
URS Corporation

13

PLOT INFO: ANDREW.MARTIN02 L:\PROJECTS\14578119\CIVIL\8119-PP14.DWG 09/22/16 2:45PM LTS: 1 PSLTS: 1

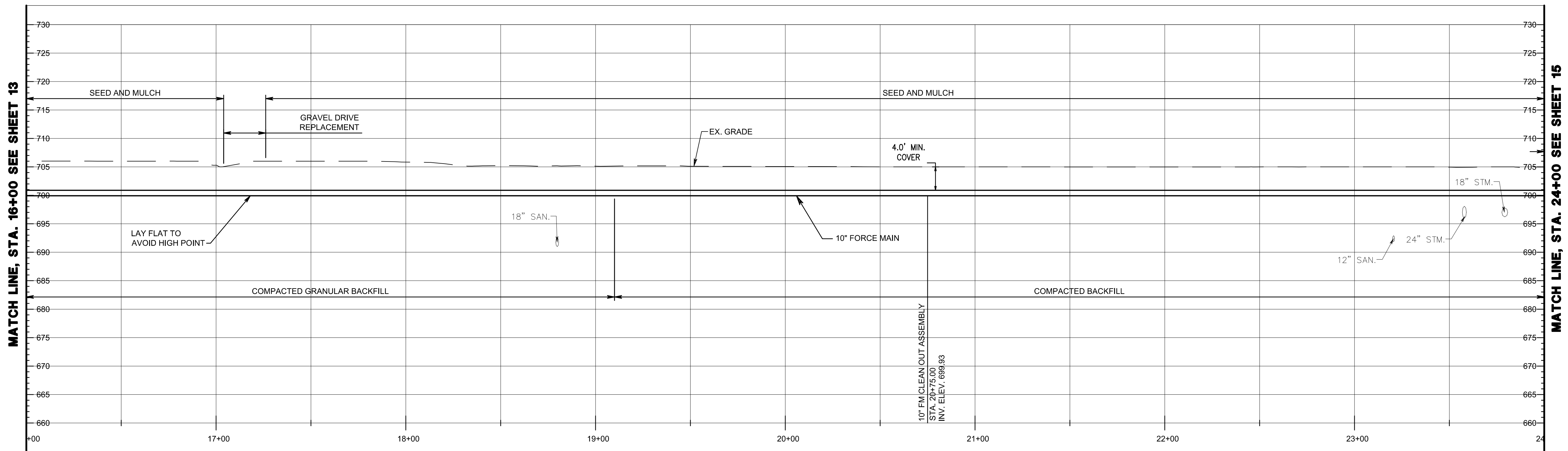


MATCH LINE, STA. 21+50 SEE THIS SHEET



MATCH LINE, STA. 21+50 SEE THIS SHEET

MATCH LINE, STA. 24+00 SEE SHEET 15



MATCH LINE, STA. 16+00 SEE SHEET 13

MATCH LINE, STA. 24+00 SEE SHEET 15

ISSUED FOR BIDDING DATE BY

ADDENDUM REVISIONS

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REVISIONS

NO.	DESCRIPTION	DATE	BY

RECORD DRAWINGS DATE BY

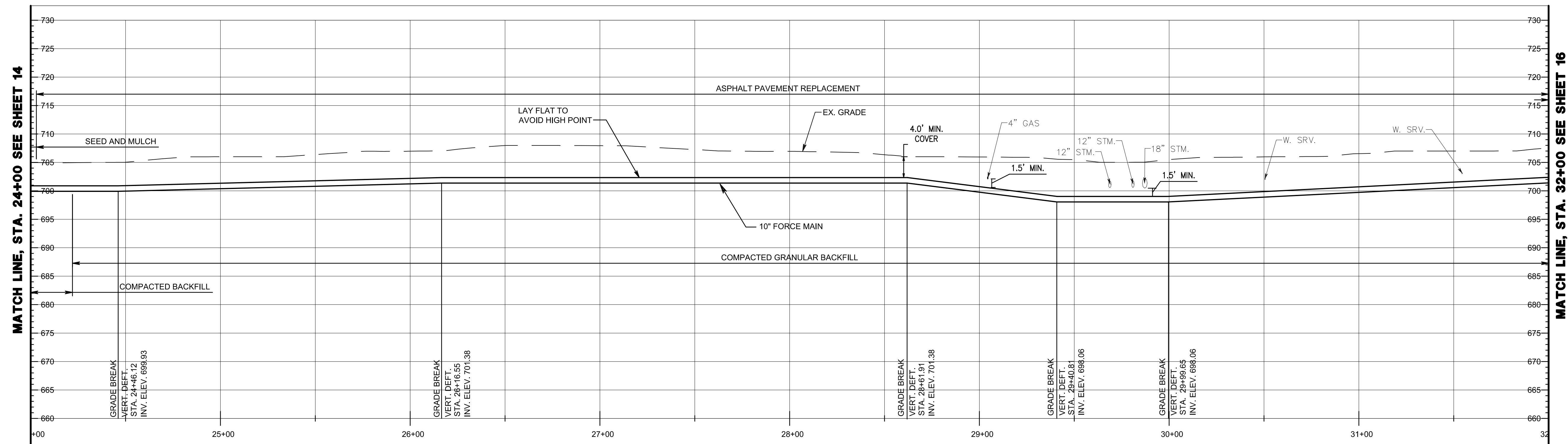
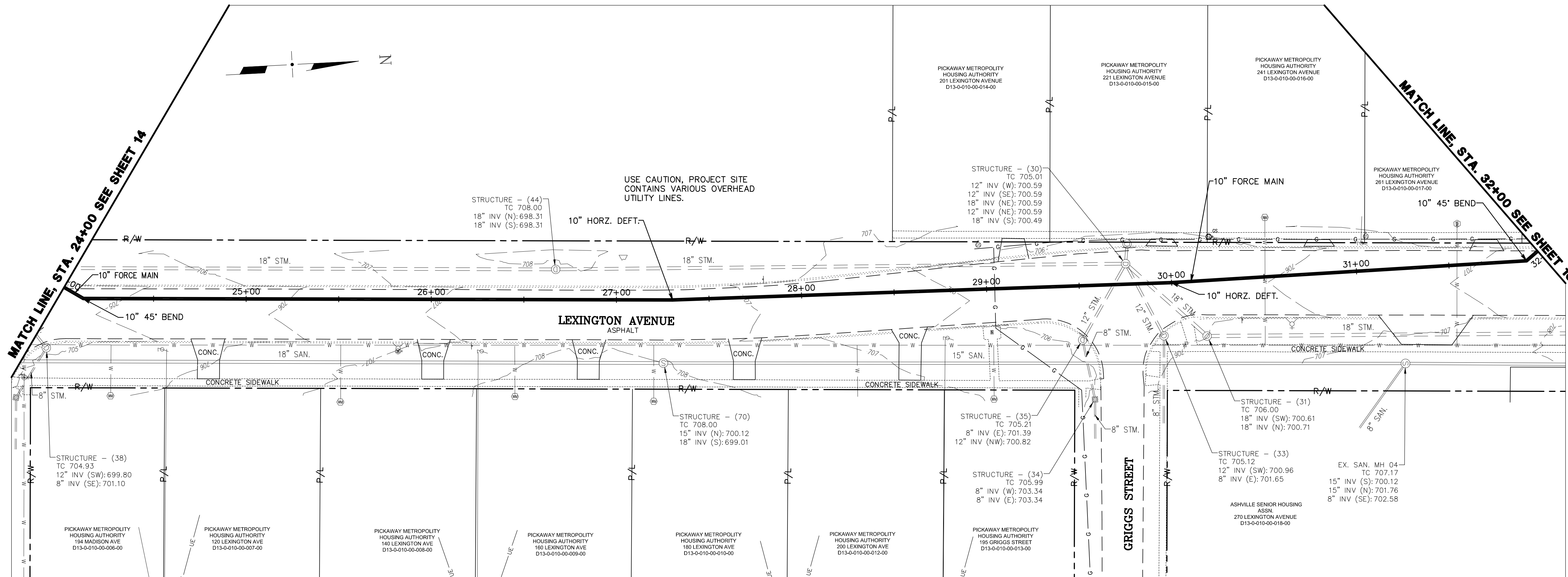
DESIGNED AM DATE 07/01/2016
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**FORCE MAIN
 PLAN & PROFILE**

**VILLAGE OF ASHVILLE
 SANITARY SEWER
 IMPROVEMENTS
 (PART B)**

URS Corporation

PLOT INFO: ANDREW.MARTIN02 L:\PROJECTS\14578119\CIVIL\8119-PP15.DWG 09/22/16 2:46PM LTS: 1 PSLTS: 1



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ISSUED FOR CONSTRUCTION _____ DATE _____ BY _____

REVISIONS			
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RECORD DRAWINGS _____ DATE _____ BY _____

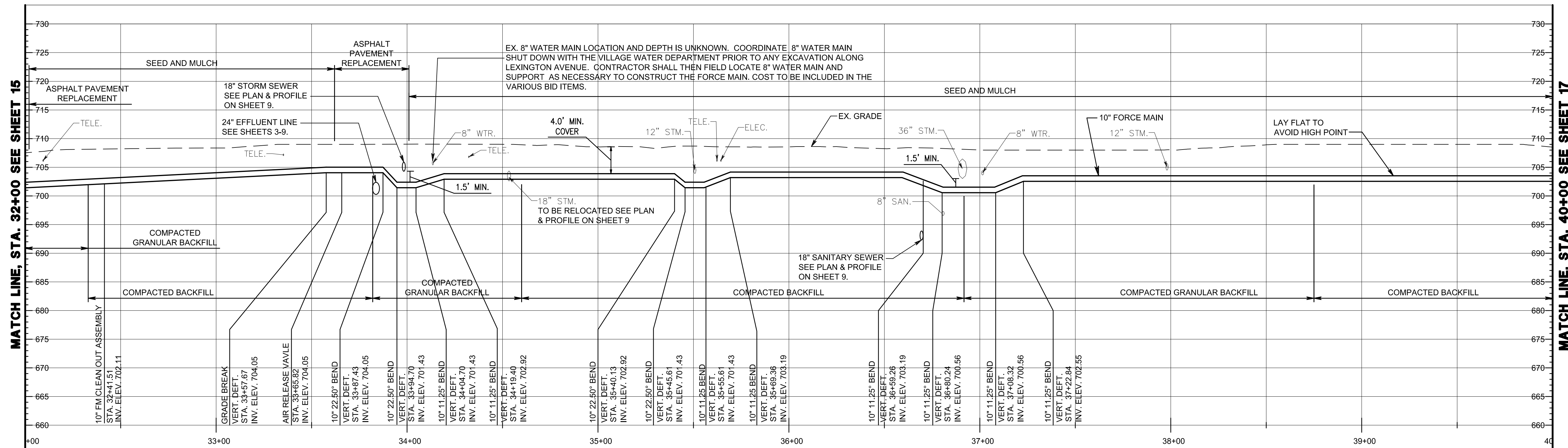
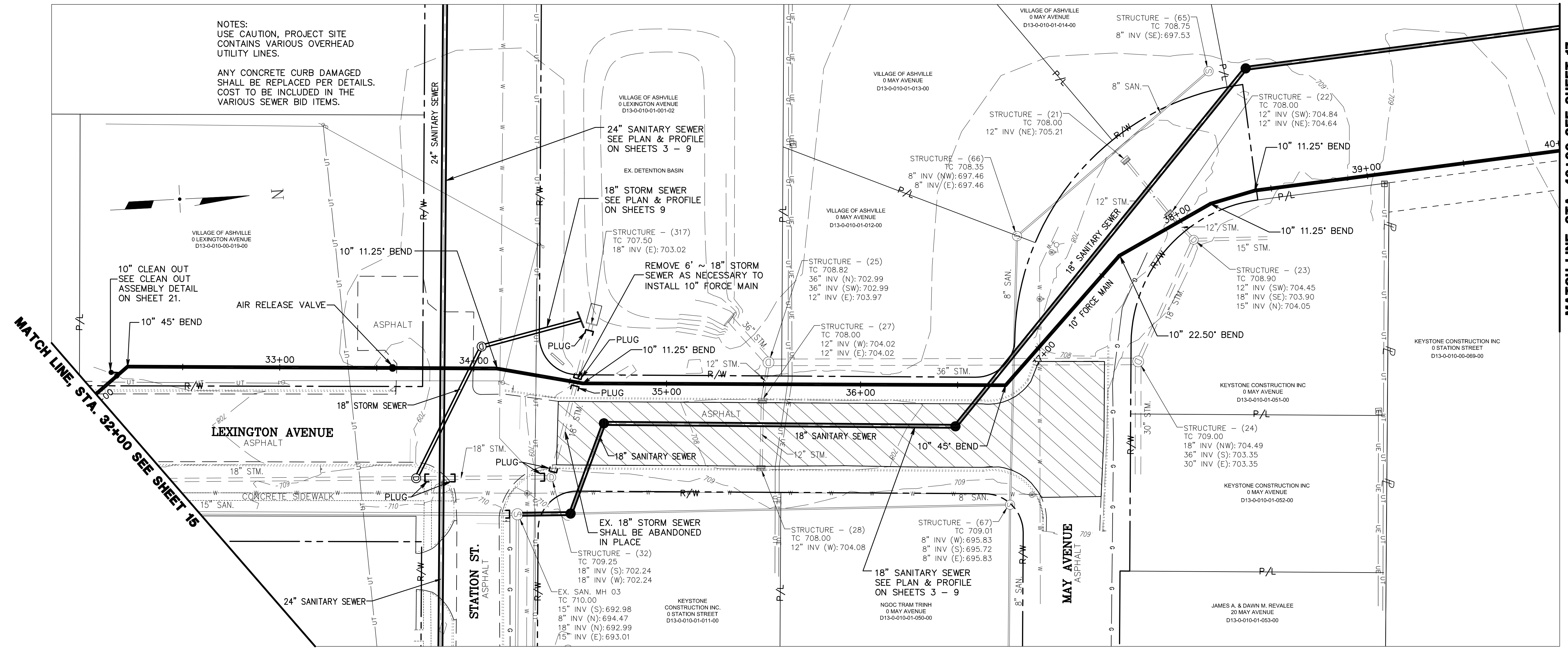
DESIGNED AM _____ DATE 07/01/2016
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 SCALE HORZ: 1"=30' VERT: 1" = 10'

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**VILLAGE OF ASHVILLE
 SANITARY SEWER
 IMPROVEMENTS
 (PART B)**

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PLOT INFO: ANDREW.MARTIN02 L:\PROJECTS\14578119\CIVIL\8119-PP16.DWG 09/22/16 2:47PM LTS: 1 PSLTS: 1



MATCH LINE, STA. 40+00 SEE SHEET 17

MATCH LINE, STA. 32+00 SEE SHEET 15

MATCH LINE, STA. 40+00 SEE SHEET 17

ISSUED FOR BIDDING _____ DATE _____ BY _____

ADDENDUM REVISIONS		
ADDENDUM NO	ADDENDUM DATE	BY

ISSUED FOR CONSTRUCTION _____ DATE _____ BY _____

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RECORD DRAWINGS _____ DATE _____ BY _____

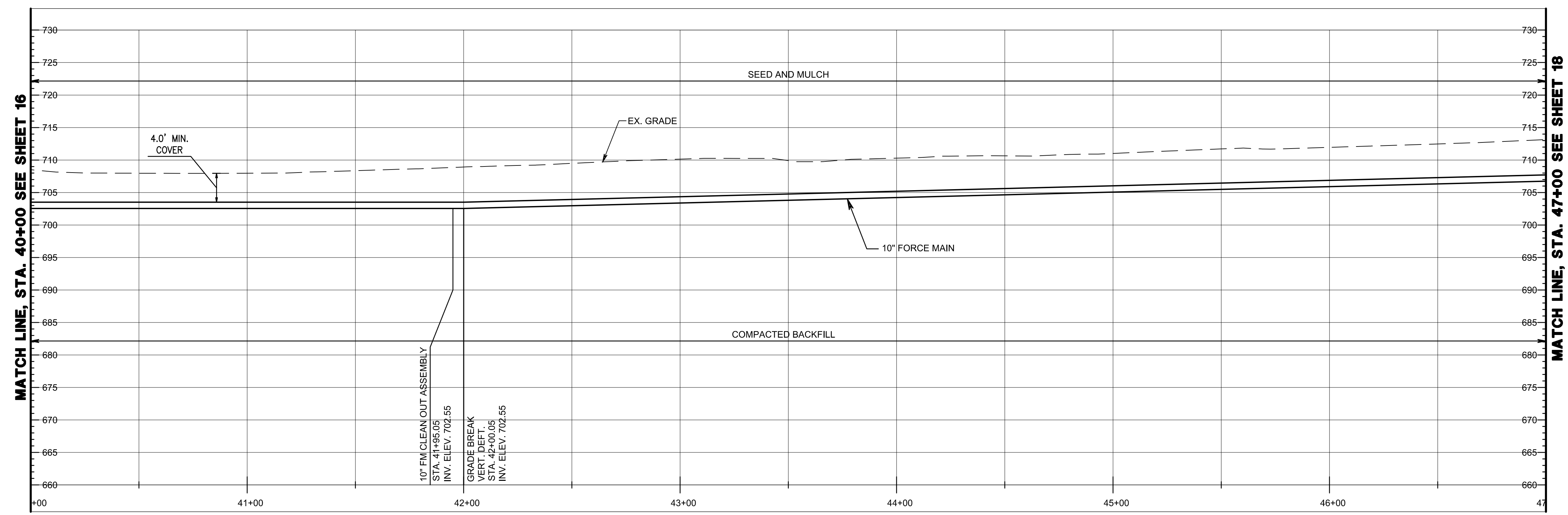
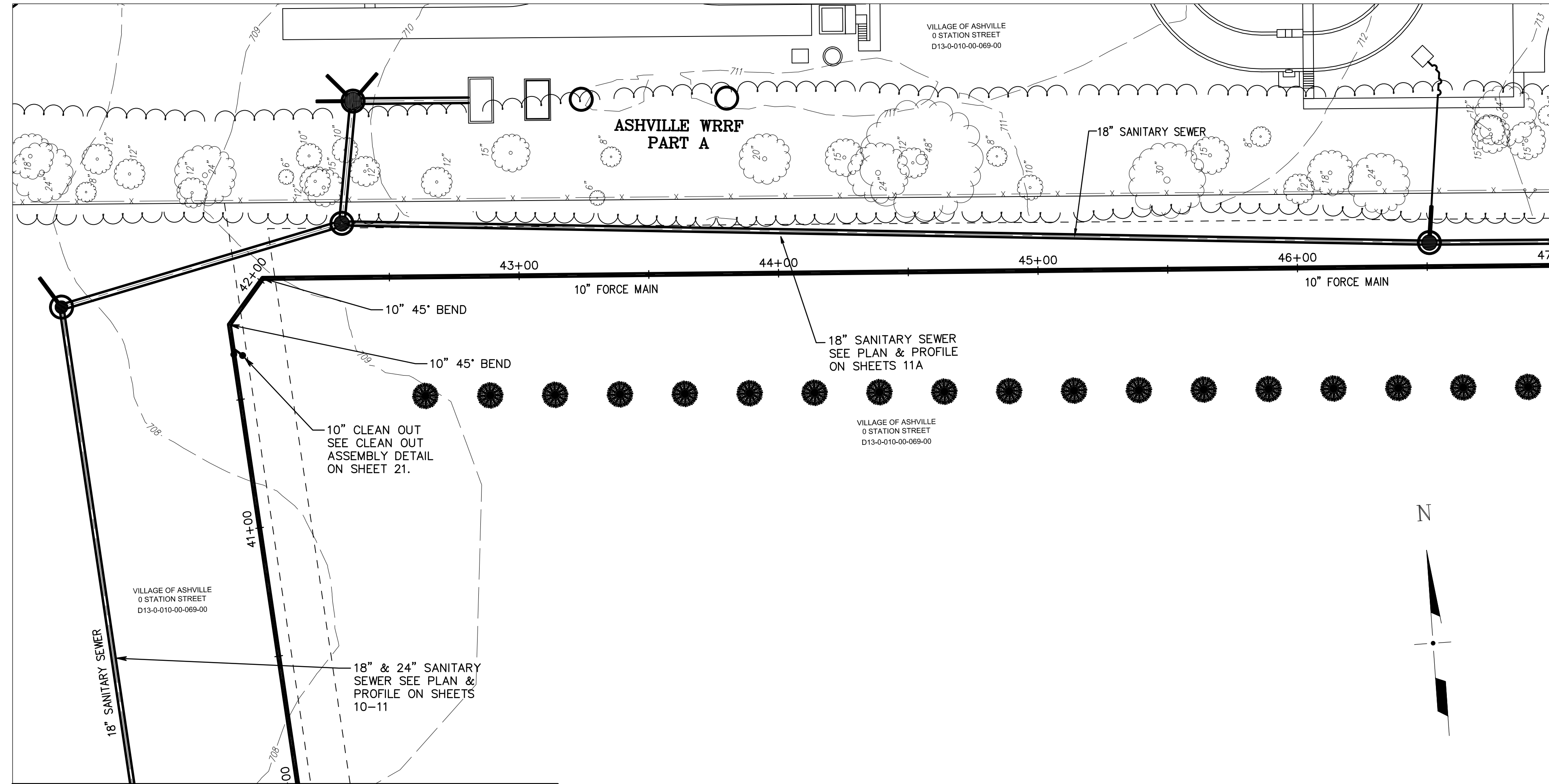
DESIGNED AM _____ DATE 07/01/2016
 CHECKED MN _____ JOB NO 14578119
 SCALE HORZ: 1"=30' VERT: 1" = 10'

**FORCE MAIN
 PLAN & PROFILE**

**VILLAGE OF ASHVILLE
 SANITARY SEWER
 IMPROVEMENTS
 (PART B)**

URS Corporation

PLOT INFO: ANDREW.MARTIN02 L:\PROJECTS\14578119\CIVIL\8119-PP17.DWG 09/22/16 2:47PM LTS: 1 PSLTS: 1



ISSUED FOR BIDDING _____ DATE _____ BY _____

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RECORD DRAWINGS _____ DATE _____ BY _____

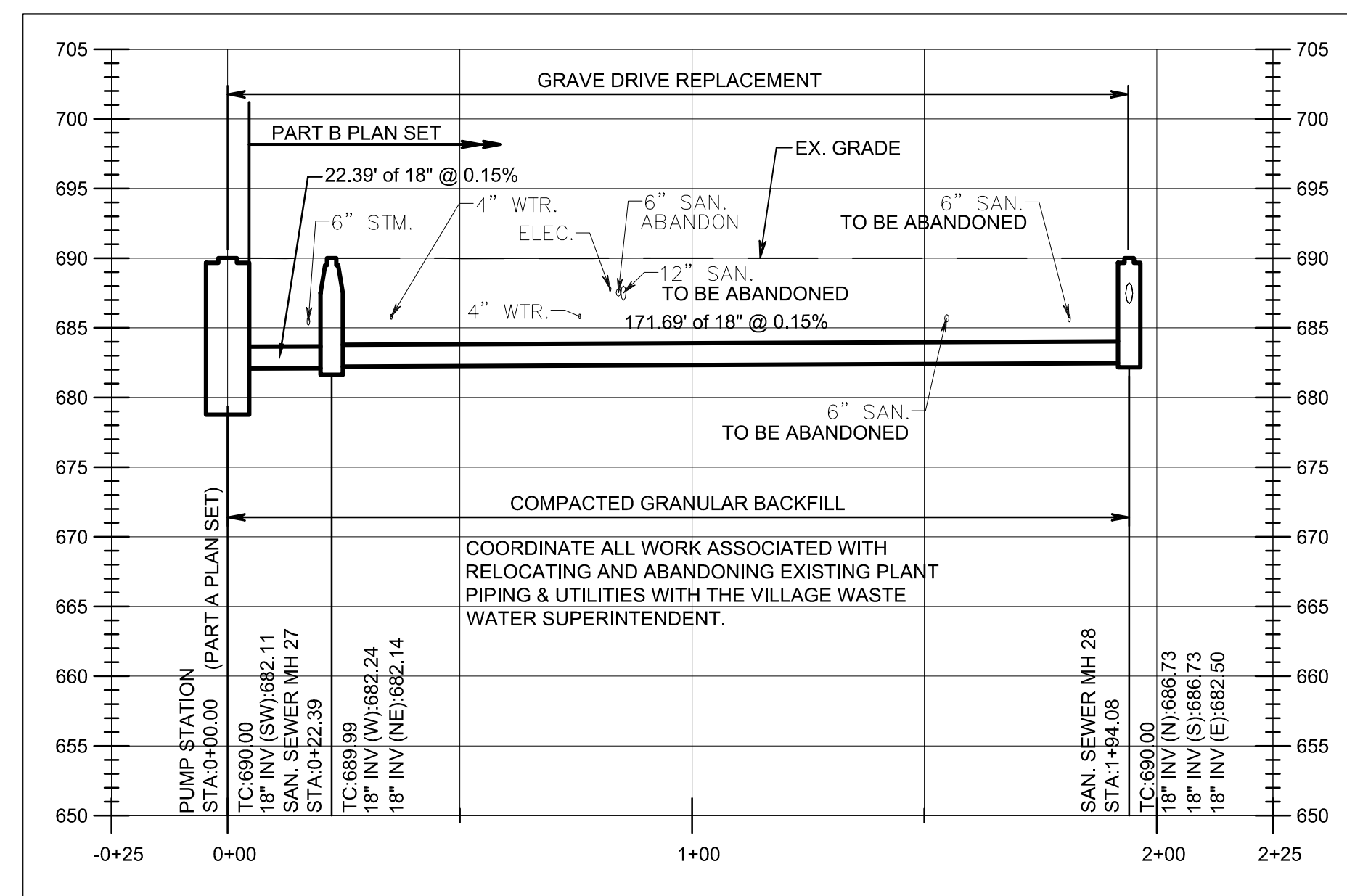
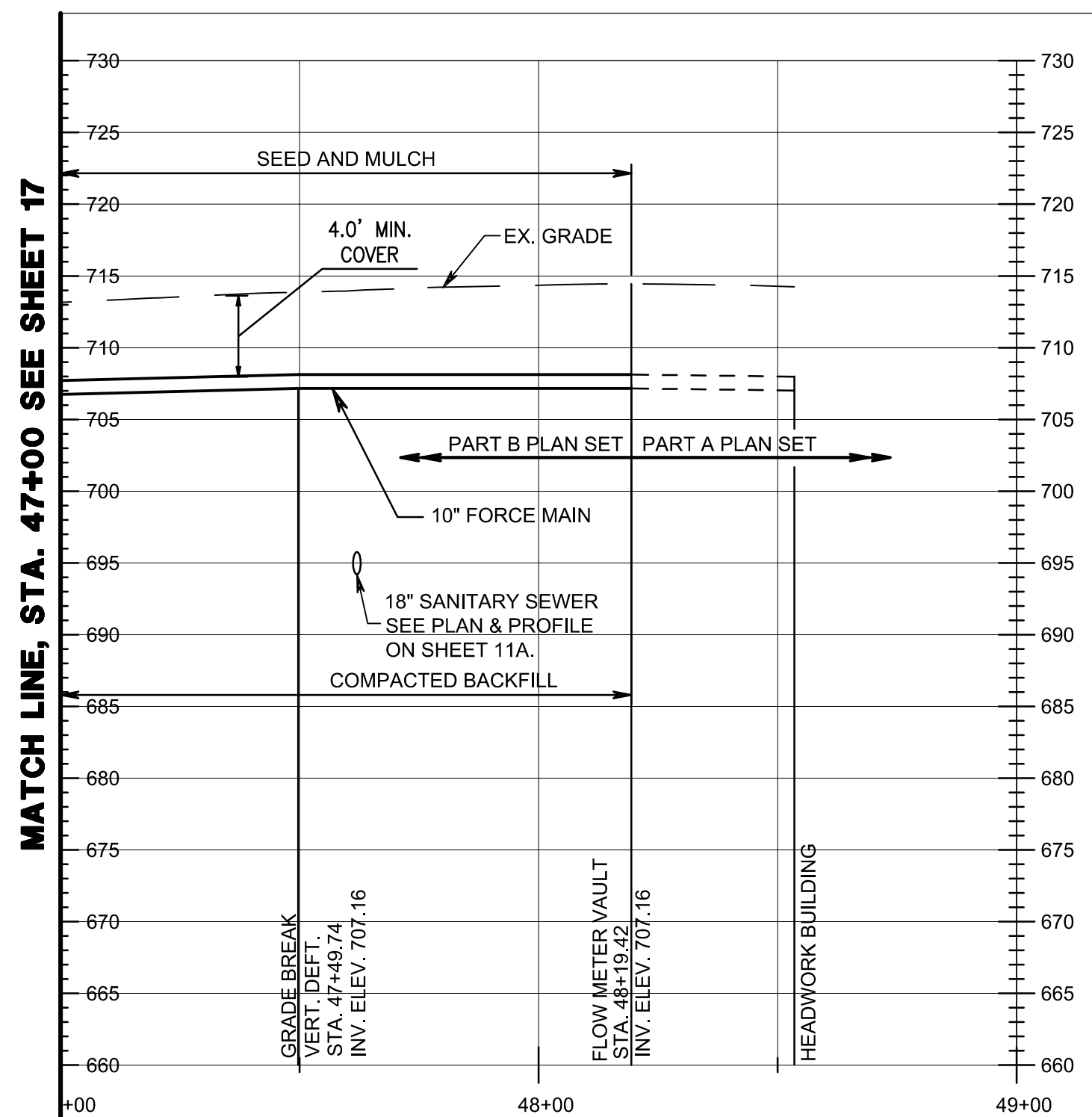
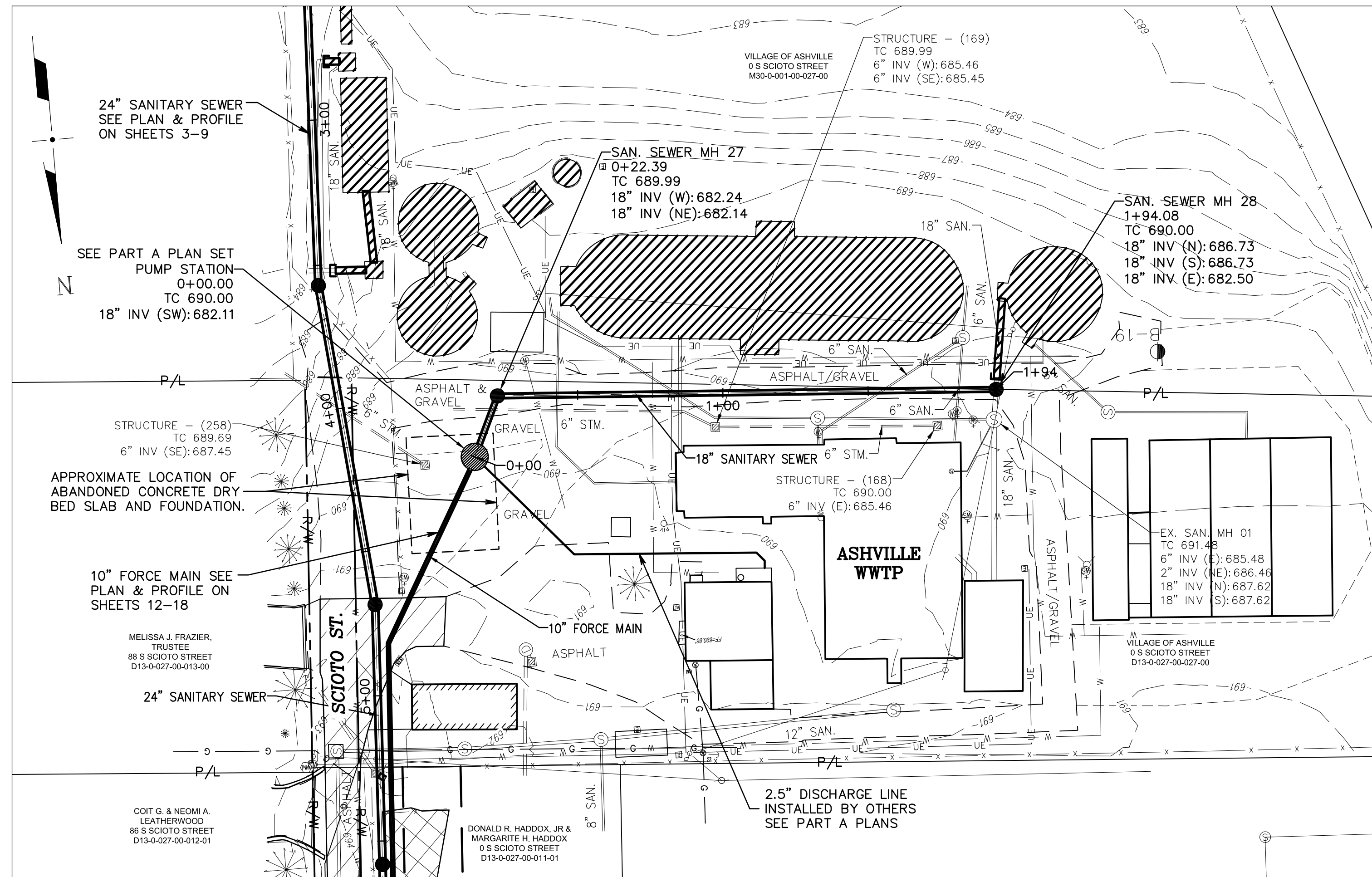
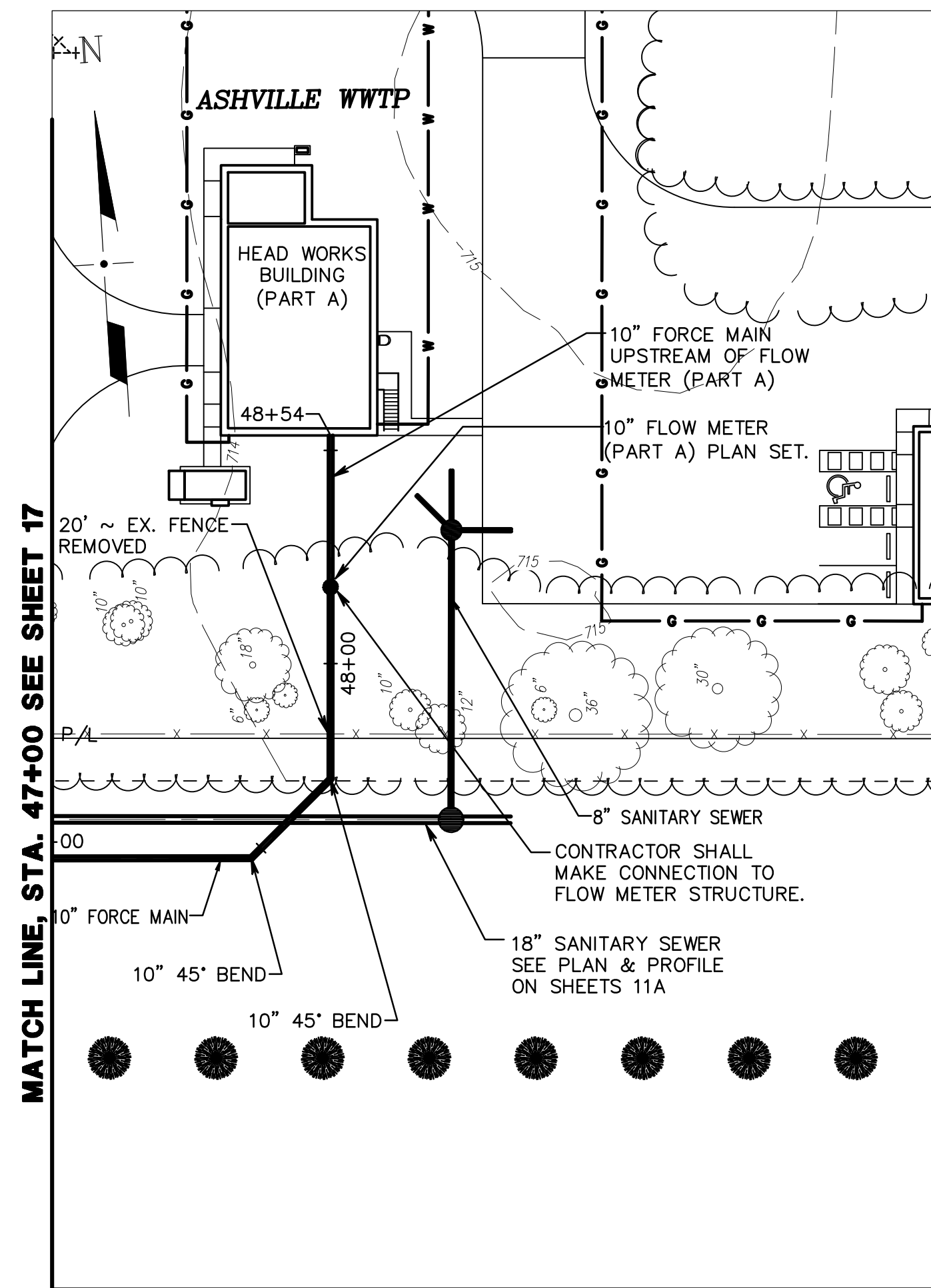
DESIGNED AM DATE 07/01/2016
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**VILLAGE OF ASHVILLE
 SANITARY SEWER
 IMPROVEMENTS
 (PART B)**

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PLOT INFO: ANDREW.MARTIN02 L:\PROJECTS\14578119\CIVIL\8119-PP18A.DWG 09/22/16 2:48PM LTS: 1 PSLTS: 1



18" SANITARY SEWER AT EXISTING ASHVILLE WWTP SITE

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REVISIONS			
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DESIGNED AM DATE 07/01/2016
 CHECKED MN JOB NO 14578119
 SCALE HORZ: 1"=30' VERT: 1" = 10'

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SANITARY SEWER
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