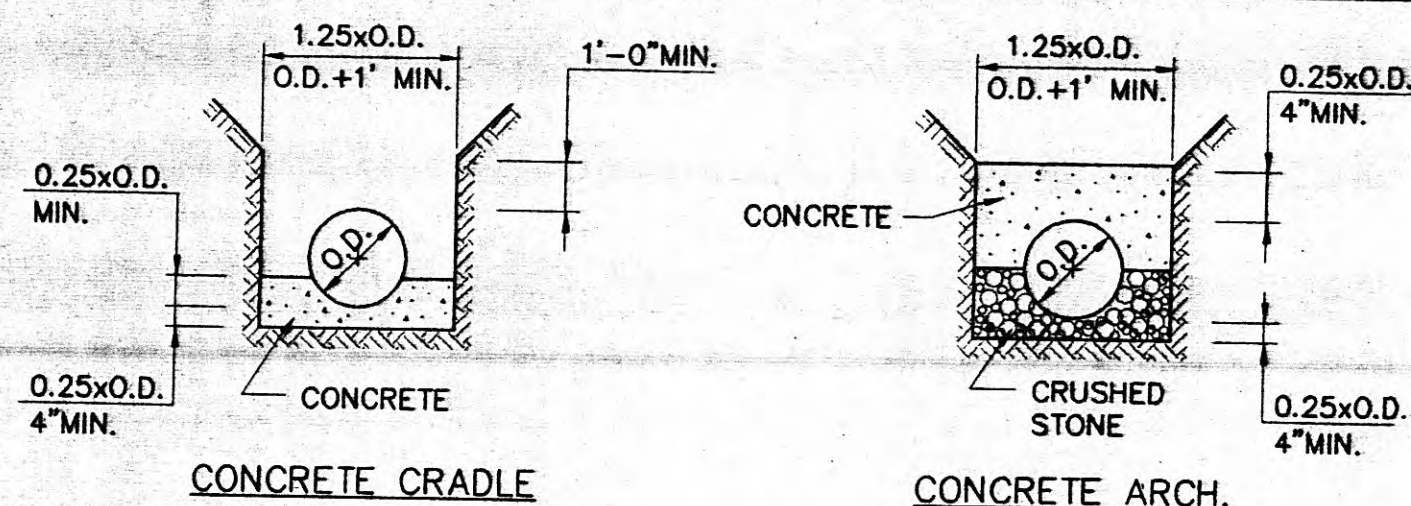
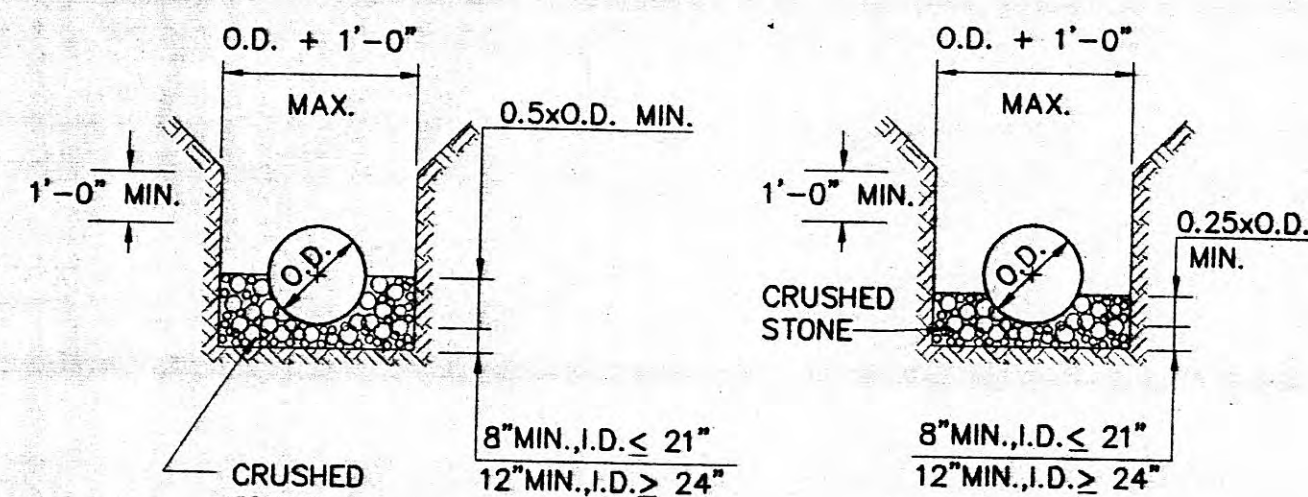




CLASS 'A'



CLASS 'B'

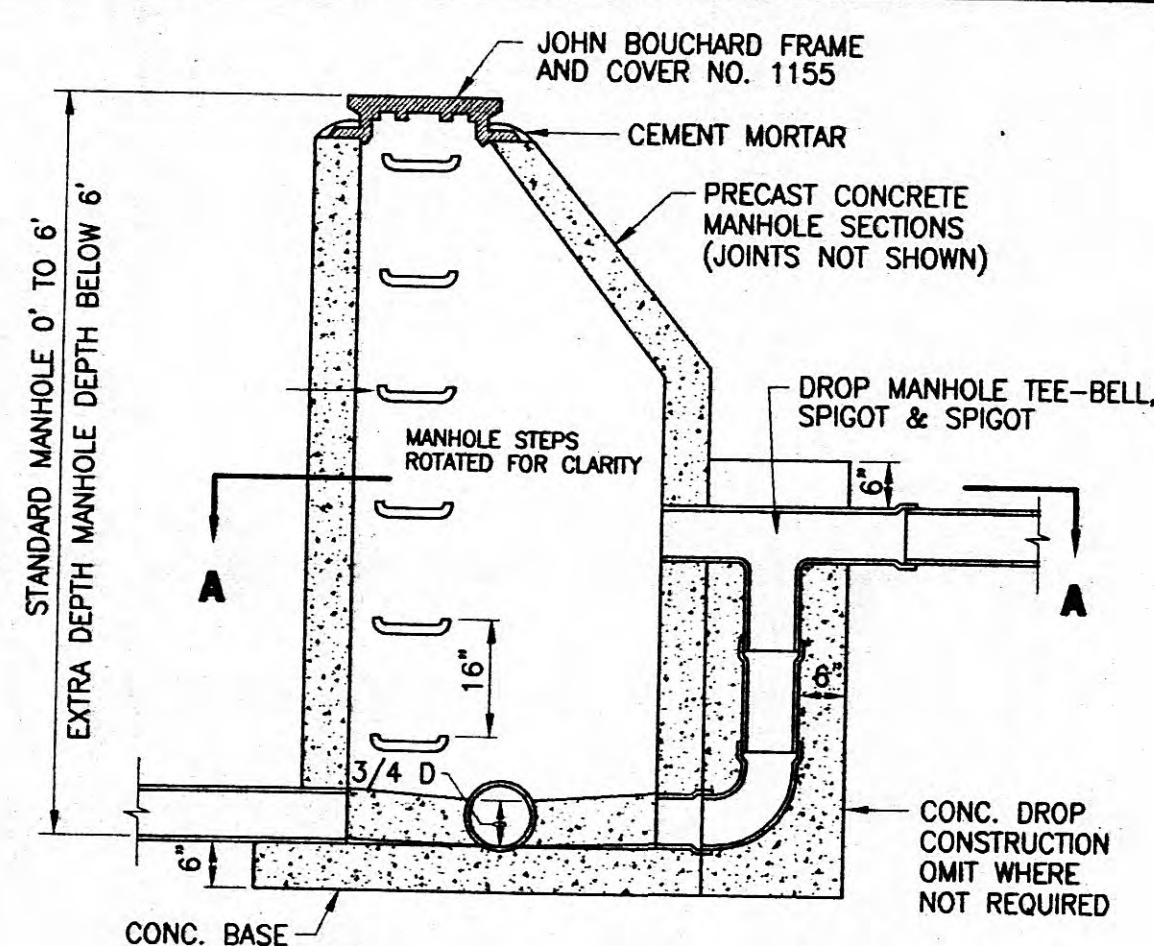
CLASS 'C'

TOP AT GRADE

TOP ABOVE GRADE

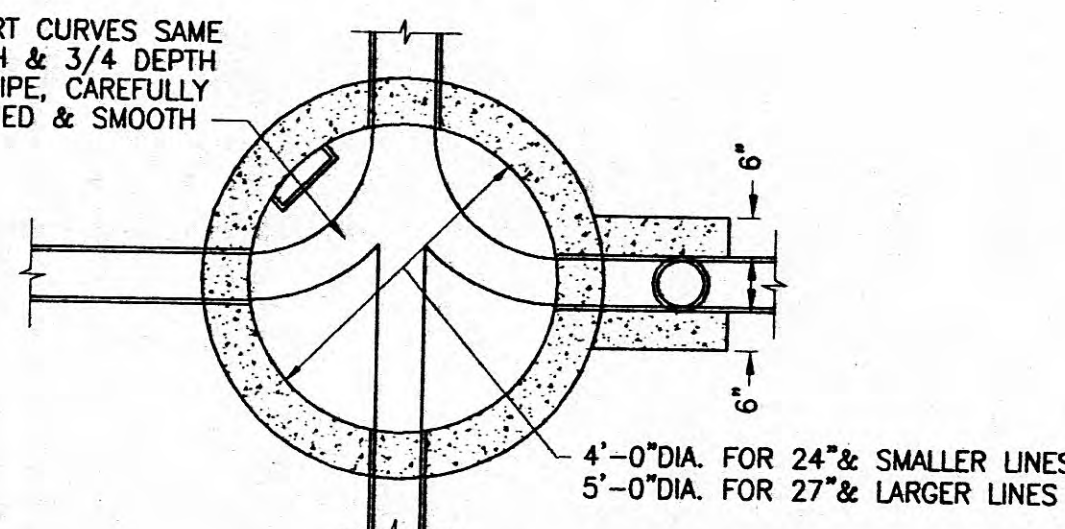
**PIPE BEDDING
AND HAUNCHING DETAILS**

N.T.S.



VERTICAL SECTION

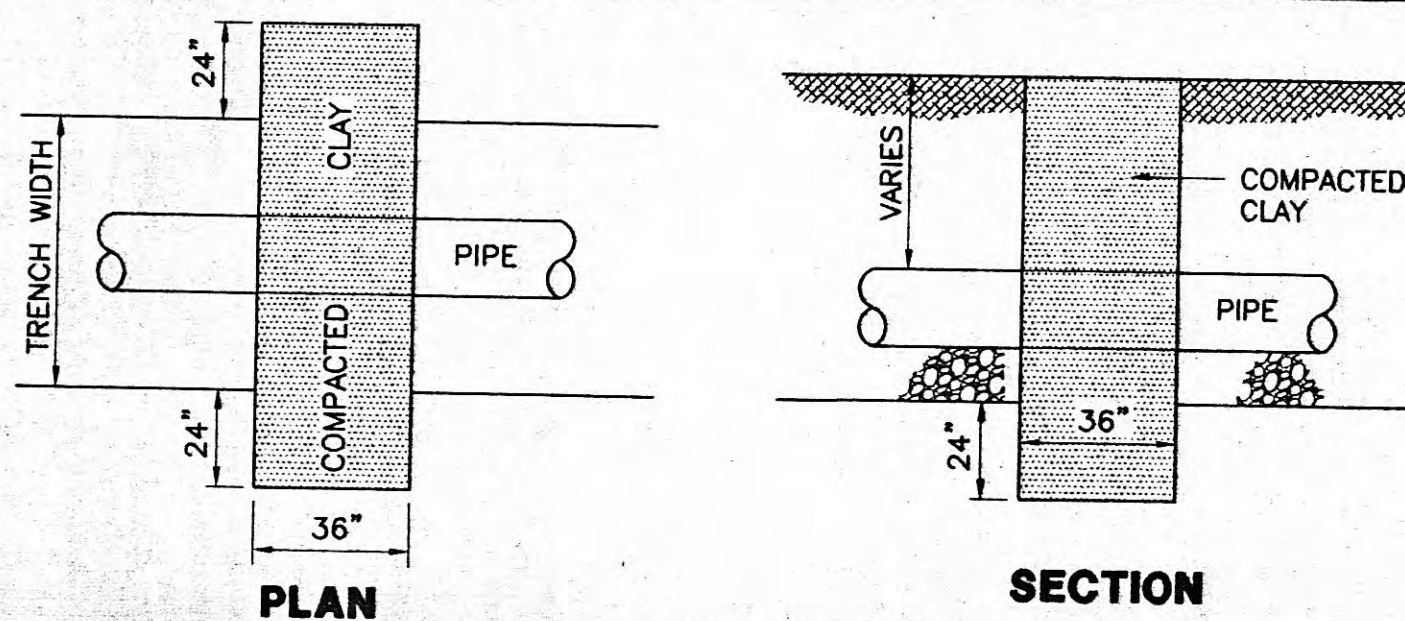
INVERT CURVES SAME WIDTH & 3/4 DEPTH OF PIPE, CAREFULLY FORMED & SMOOTH



SECTION A-A

MANHOLE

N.T.S.



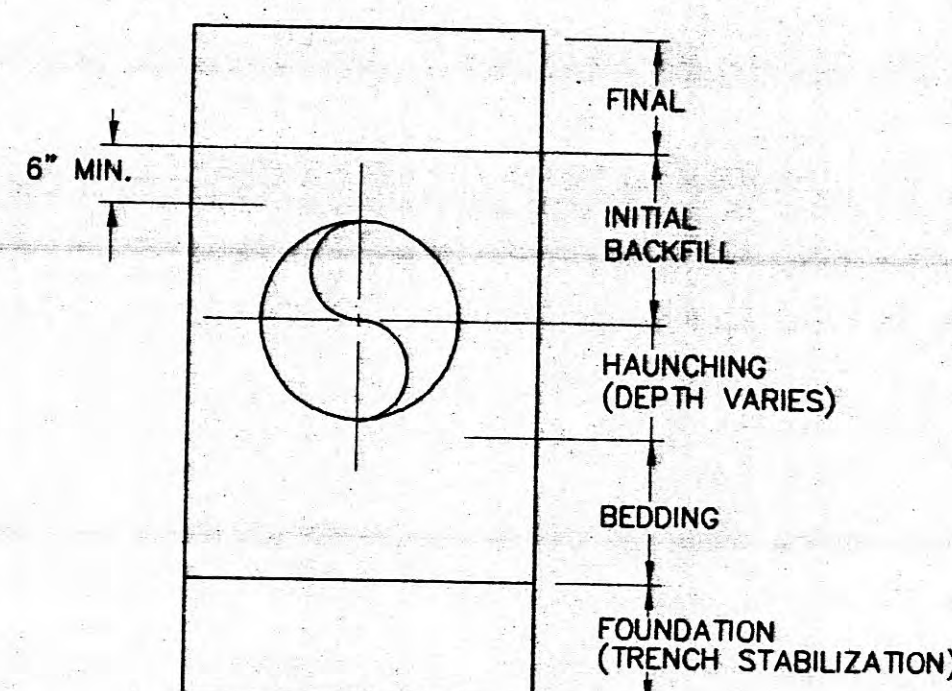
PLAN

SECTION

NOTE: CHECK DAMS SHALL BE INSTALLED AT LOCATIONS SHOWN ON DRAWINGS IN THE BEDDING AND BACKFILL. DAMS SHALL CONSIST OF COMPACTED CLAY BEDDING AND BACKFILL AT LEAST THREE (3) FEET THICK TO THE TOP OF THE TRENCH AND CUT INTO THE WALLS AND BOTTOM OF THE TRENCH TWO (2) FEET. ALL STREAM CROSSINGS SHALL INCLUDE CHECK DAMS ON BOTH SIDES OF THE CROSSING.

COMPACTED CLAY CHECK DAM

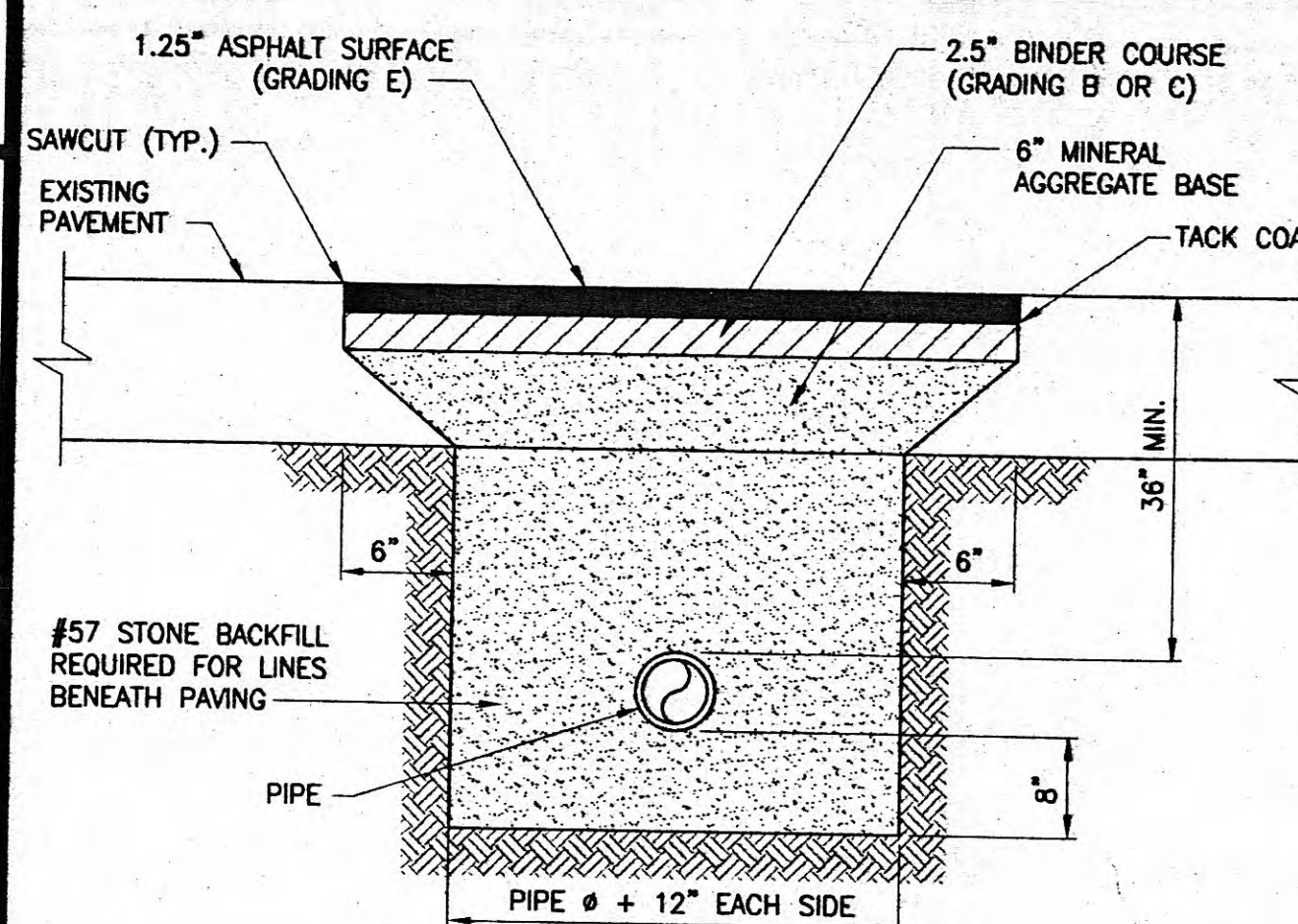
N.T.S.



NOTE: SEE SPECIFICATIONS AND PIPE BEDDING AND HAUNCHING DETAILS FOR DIMENSIONS AND MATERIALS

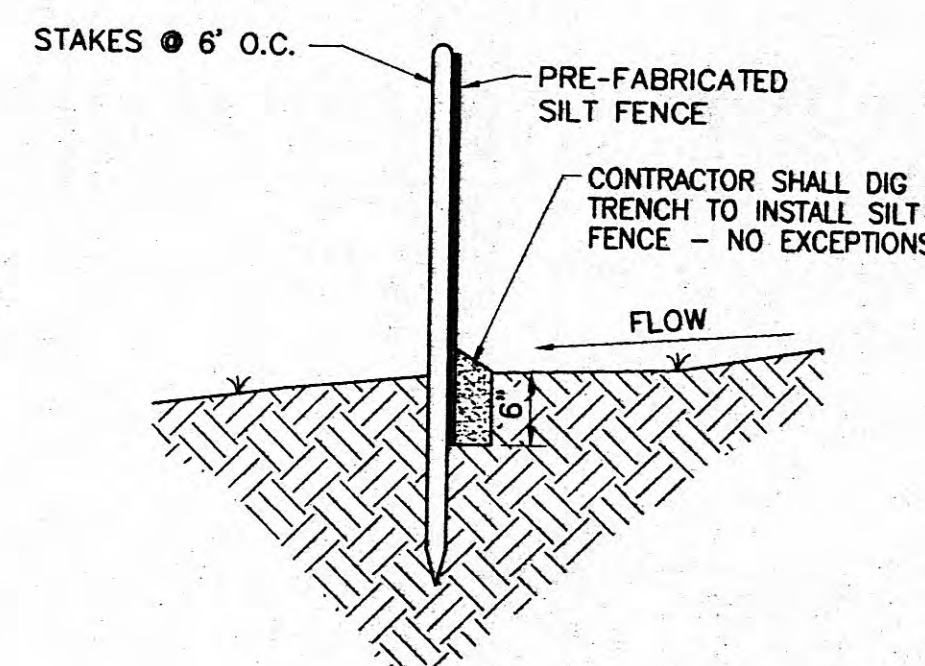
TRENCH TERMINOLOGY

N.T.S.



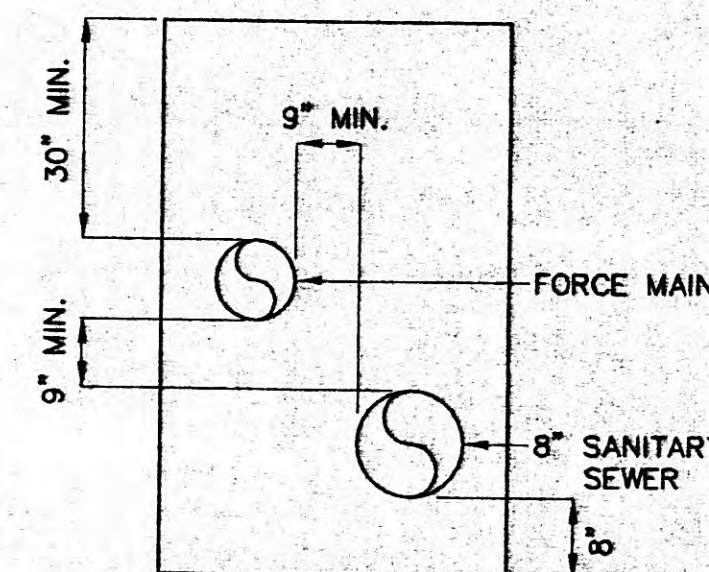
**SPECIAL DETAIL
PAVEMENT CUT-ASPHALT**

N.T.S.



TEMPORARY SILT FENCE

N.T.S.

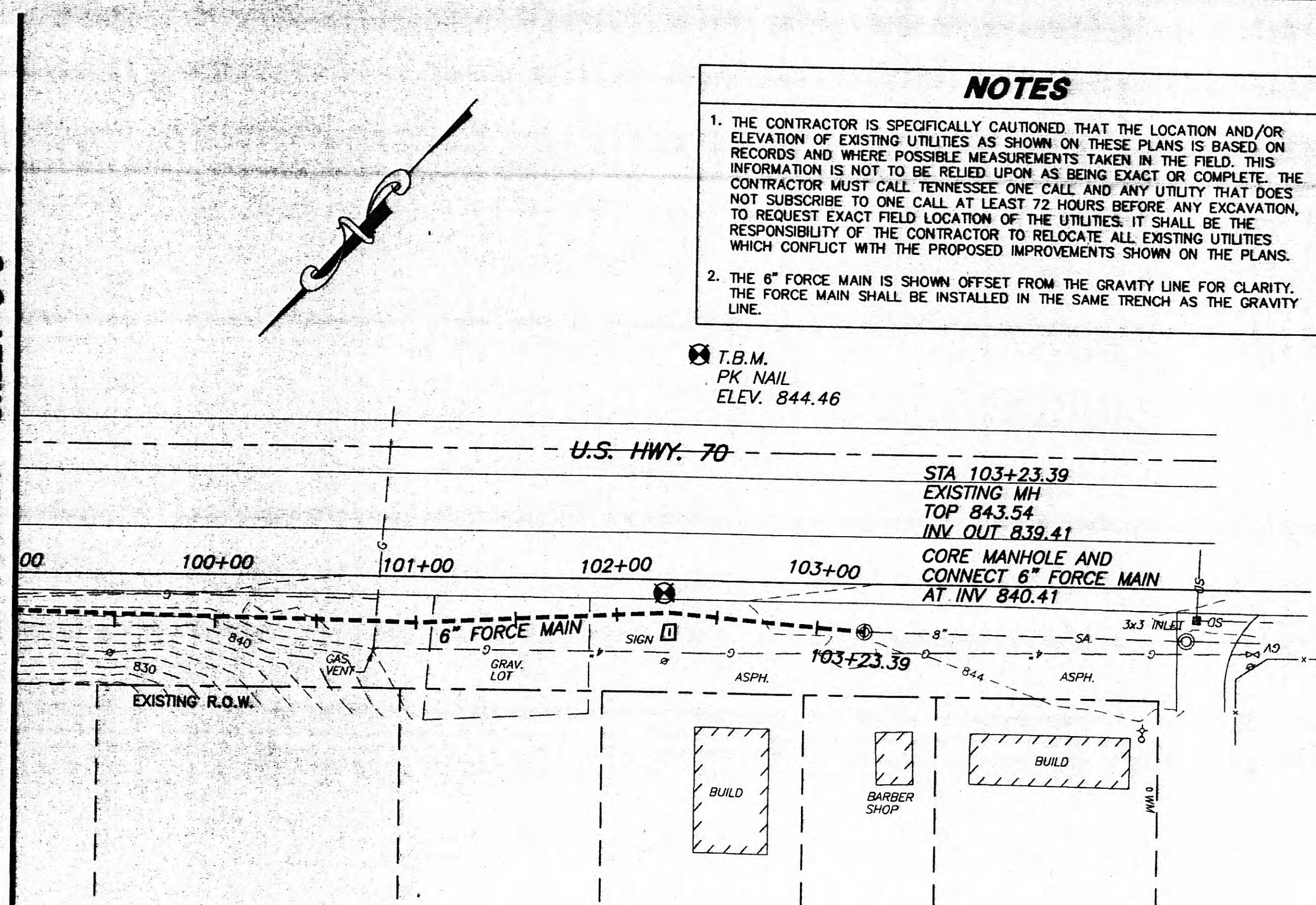


NOTE: MAINTAIN 9" MINIMUM CLEARANCE TO FORCE MAIN AT MANHOLES.

**DETAIL OF SEWER AND
FORCE MAIN IN TRENCH**

N.T.S.

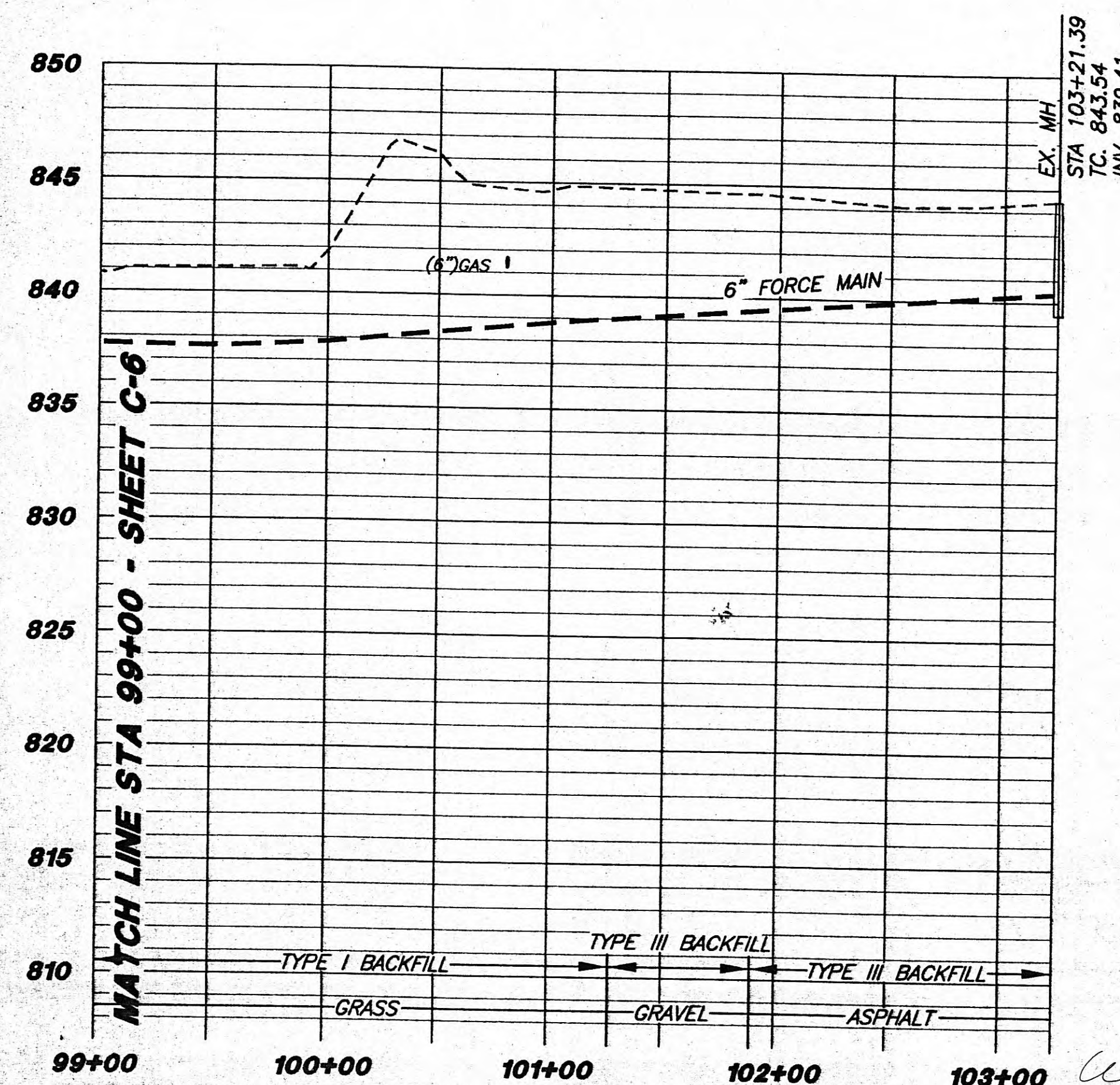
MATCH LINE STA 99+00 - SHEET C-6



NOTES

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL TENNESSEE ONE CALL AND ANY UTILITY THAT DOES NOT SUBSCRIBE TO ONE CALL AT LEAST 72 HOURS BEFORE ANY EXCAVATION, TO REQUEST EXACT FIELD LOCATION OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
2. THE 6" FORCE MAIN IS SHOWN OFFSET FROM THE GRAVITY LINE FOR CLARITY. THE FORCE MAIN SHALL BE INSTALLED IN THE SAME TRENCH AS THE GRAVITY LINE.

T.B.M.
PK NAIL
ELEV. 844.46



MATCH LINE STA 99+00 - SHEET C-6

**MIDTOWN
SANITARY SEWER
ROANE COUNTY, TENNESSEE**

**LAND
DEVELOPMENTS
SOLUTIONS**



310 SIMMONS RD., SUITE K • KNOXVILLE, TENNESSEE 37922 • PH: 423-671-1281

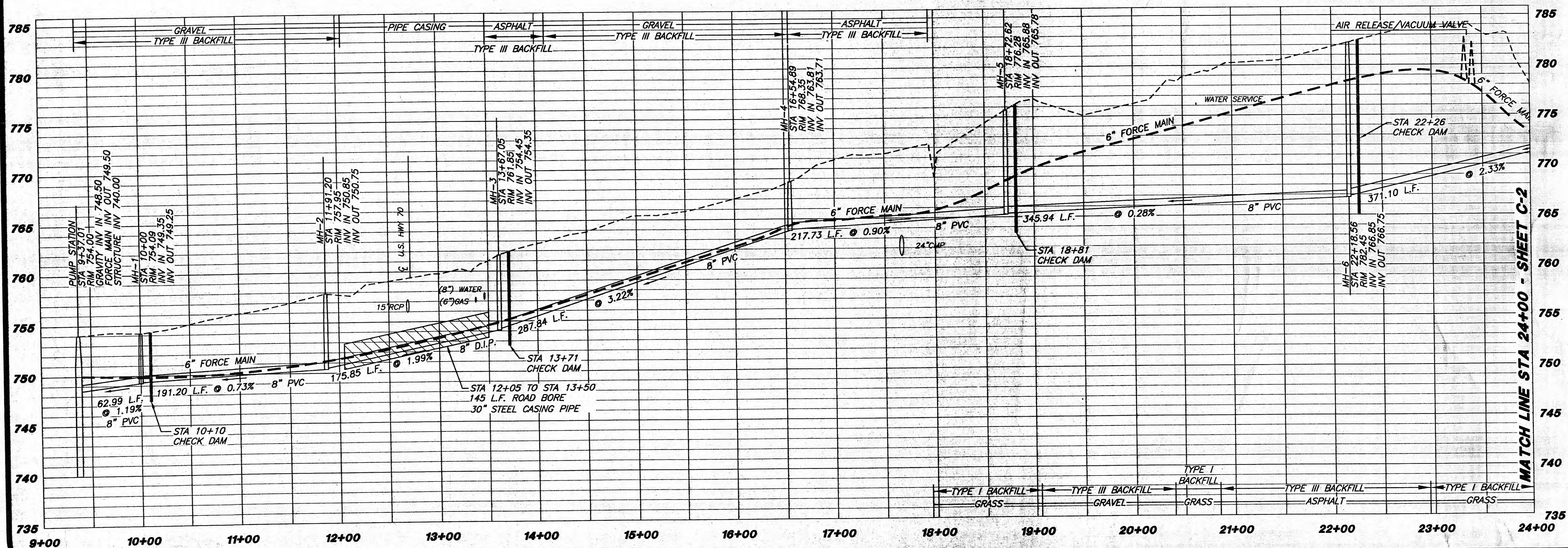
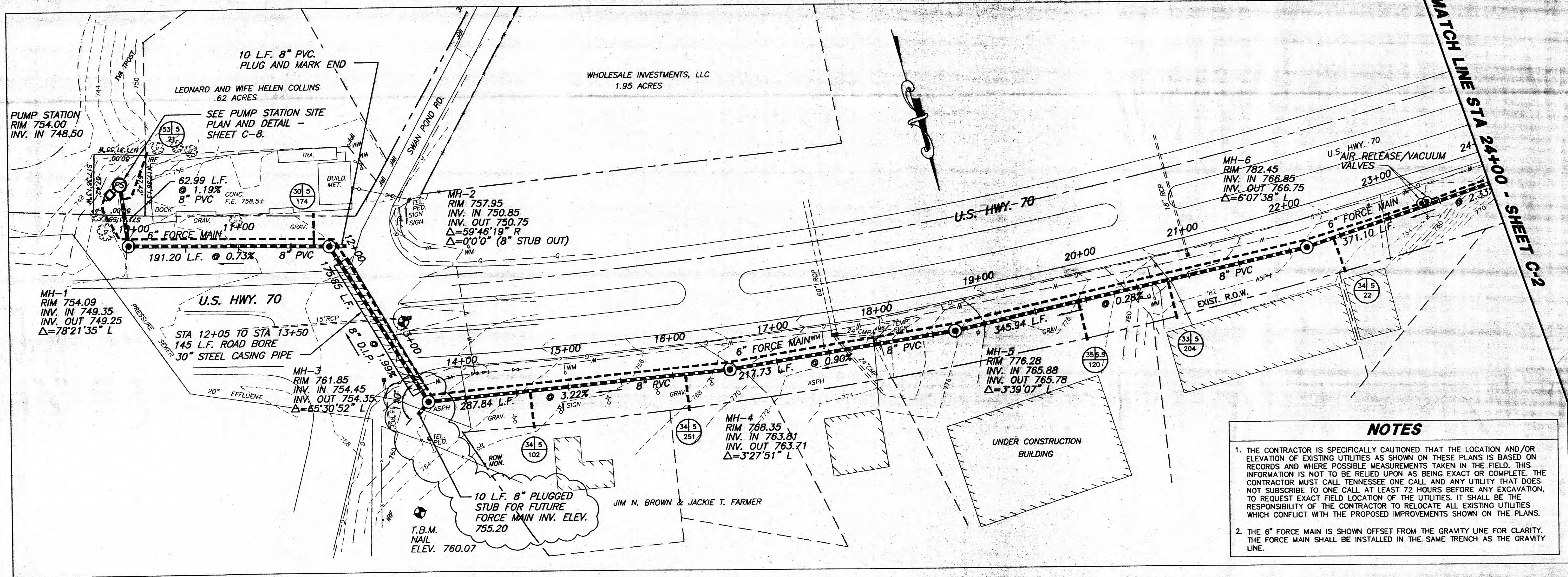
DRAWING DESCRIPTION:
**SANITARY SEWER
STA. 99+00
TO STA. 103+21.39
& DETAILS**

NO.	DATE	REVISION
1	12-15-01	ADDED BACKFILL TYPES IN PROFILE
2	12-23-01	ADDED TRENCH DRAIN
3	10-24-02	AS-BUILT



DRAWN BY	
CHECKED	
APPROVED	
JOB NO.	2-0-16
H: 1"=50'	10/16/00
V: 1"=5'	DATE

C-7



PROJECT:

**MIDTOWN
SANITARY SEWER**

**LAND
DEVELOPMENT
SOLUTIONS**

310 SIMMONS RD., SUITE K • KNOXVILLE, TENNESSEE 37922 • PH: 423-671-2281

DRAWING DESCRIPTION:

**SANITARY SEWER
STA. 9+37.01
TO STA. 24+00**

NO.	DATE	REVISION
1	2-15-01	ADDED BACKFILL TYPES IN PROFILE
2	10-24-02	AS-BUILT

STATE OF TENNESSEE

DRAWN BY:

CHECKED:

APPROVED:

JOB NO. 2-0-16

H: 1"=50'

V: 1"=5'

DATE 10/16/00

C-1

SHEET NO.

MATCH LINE STA 24+00 - SHEET C-1

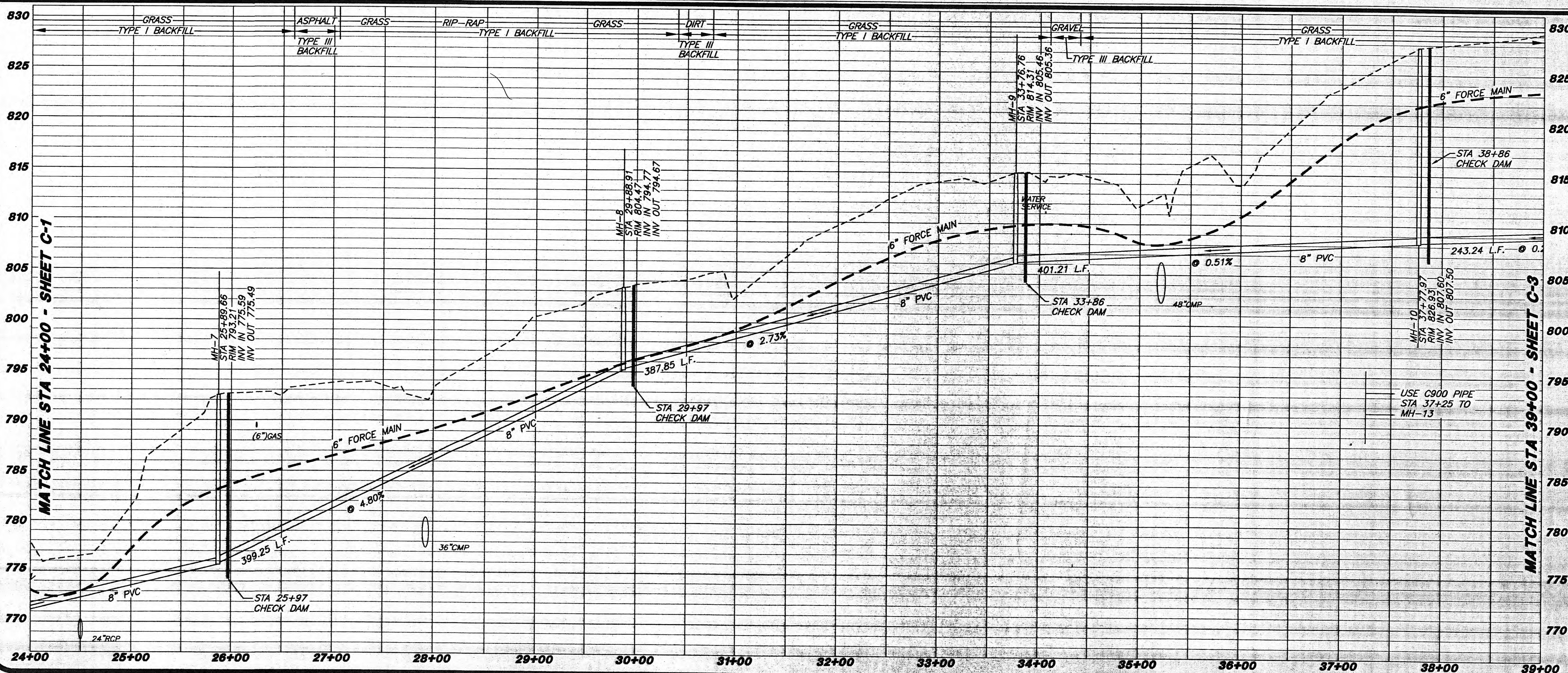
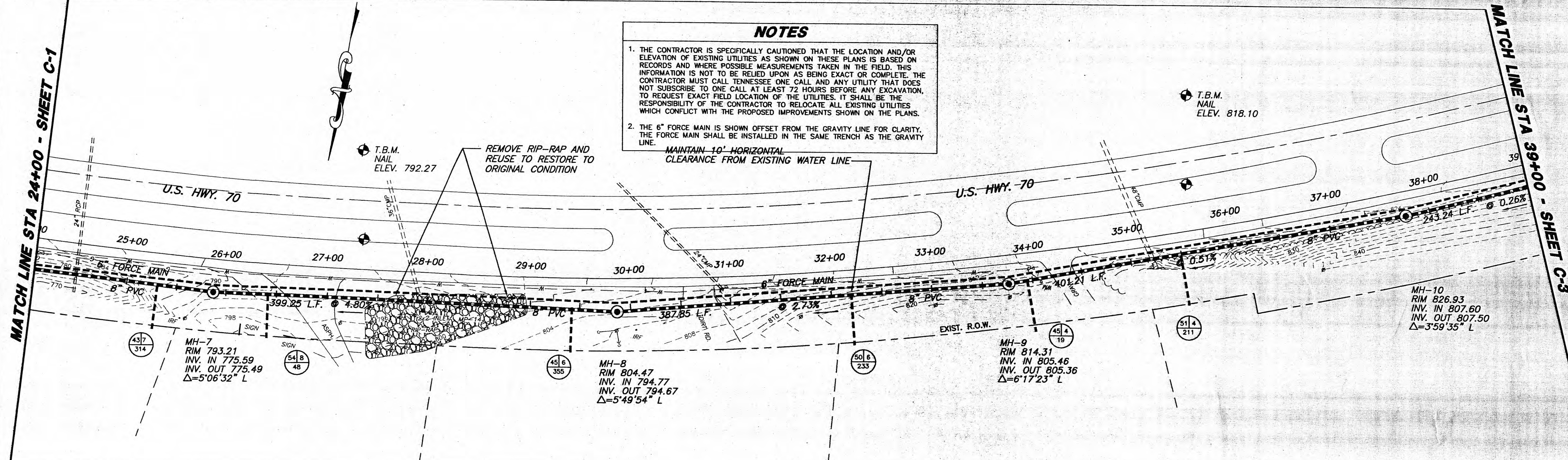
MATCH LINE STA 39+00 - SHEET C-3

NOTES

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2. THE 6" FORCE MAIN IS SHOWN OFFSET FROM THE GRAVITY LINE FOR CLARITY. THE FORCE MAIN SHALL BE INSTALLED IN THE SAME TRENCH AS THE GRAVITY LINE.

MAINTAIN 10' HORIZONTAL CLEARANCE FROM EXISTING WATER LINE

REMOVE RIP-RAP AND REUSE TO RESTORE TO ORIGINAL CONDITION



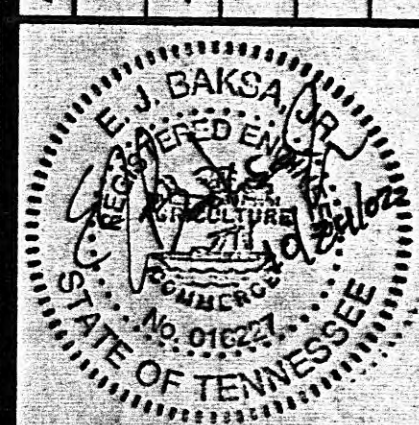
**MIDTOWN
SANITARY SEWER**

**LAND
DEVELOPMENT
SOLUTIONS**

**SANITARY SEWER
STA. 24+00
TO STA. 39+00**

DRAWING DESCRIPTION:

NO.	DATE	REVISION	ADDED BACKFILL TYPES IN PROFILE
1	2-15-01		AS-BUILT
2	10-24-02		



DRAWN BY: _____

CHECKED: _____

APPROVED: _____

JOB NO. 2-0-16

H: 1"=50'
V: 1"=5'

SCALE: 10/16/00

DATE: _____

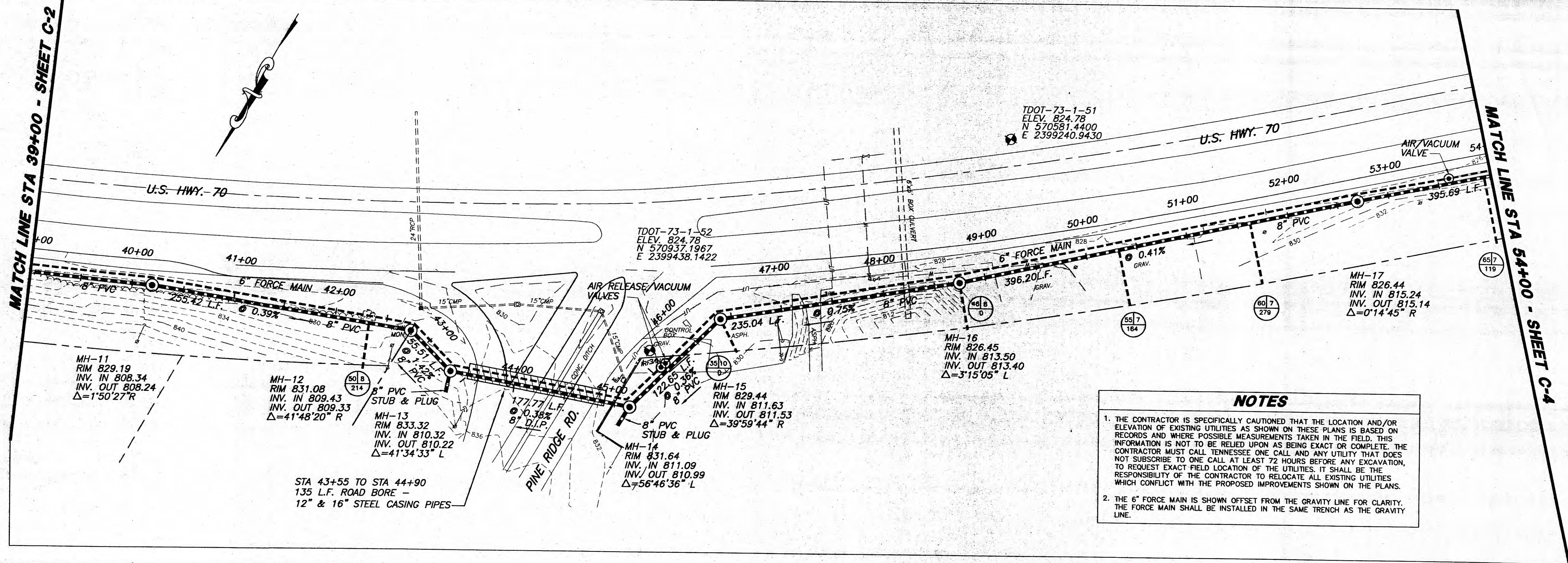
C-2
SHEET NO.

ROANE COUNTY, TENNESSEE

310 SIMONS RD., SUITE K • KNOXVILLE, TENNESSEE 37922 • PH: 423-671-2281

MATCH LINE STA 39+00 - SHEET C-2

MATCH LINE STA 54+00 - SHEET C-4



NOTES

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**MIDTOWN
SANITARY SEWER
ROANE COUNTY, TENNESSEE**

**LAND
DEVELOPMENT
SOLUTIONS**



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**SANITARY SEWER
STA. 39+00
TO STA. 54+00**

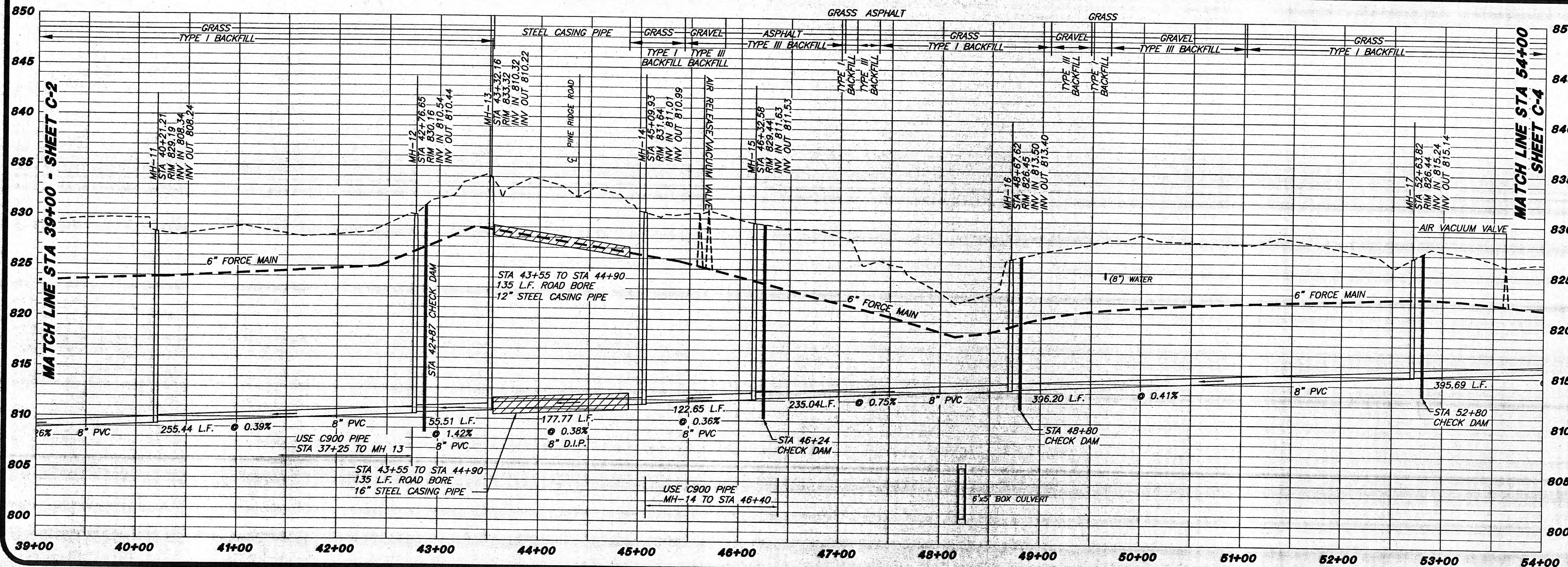
DRAWING DESCRIPTION:

NO.	DATE	REVISION
1	2-15-01	ADDED BACKFILL TYPES IN PROFILE
2	10-24-02	AS-BUILT

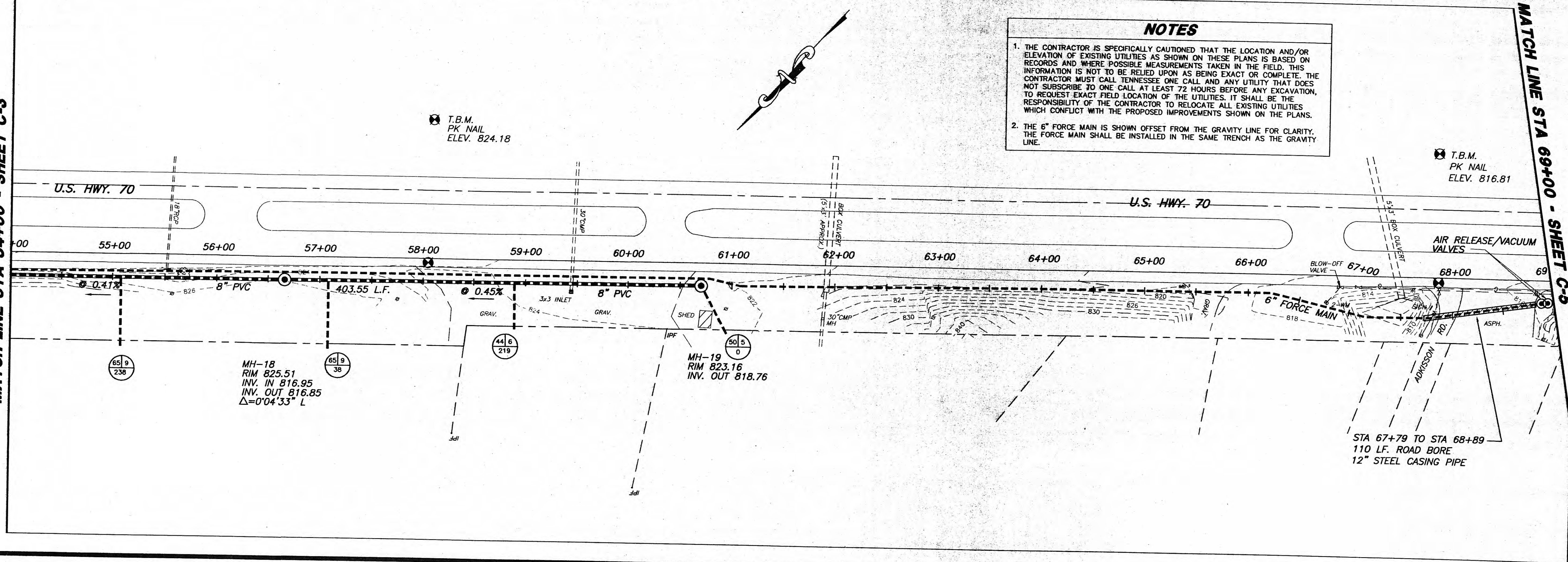


DRAWN BY	
CHECKED	
APPROVED	
JOB NO.	2-0-16
H: 1"=50'	10/16/00
V: 1"=5'	DATE

C-3
SHEET NO.



MATCH LINE STA 54+00 - SHEET C-3



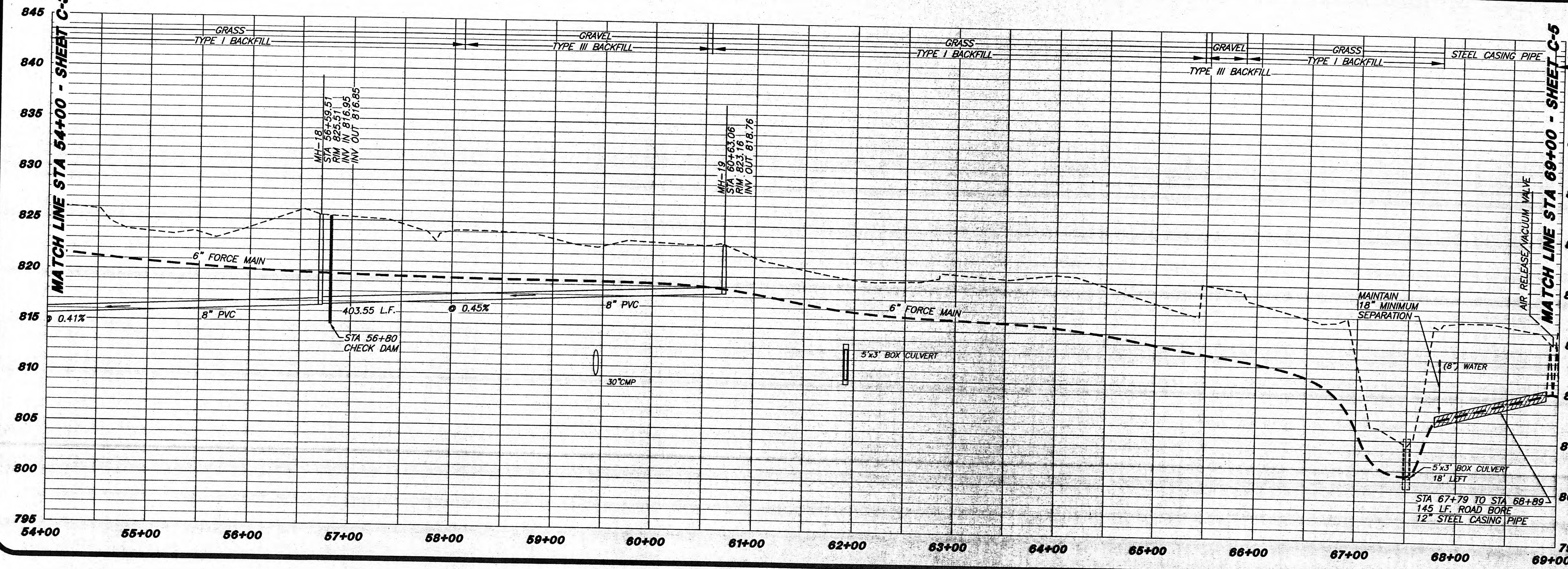
MATCH LINE STA 69+00 - SHEET C-5

**MIDTOWN
SANITARY SEWER**
ROANE COUNTY, TENNESSEE

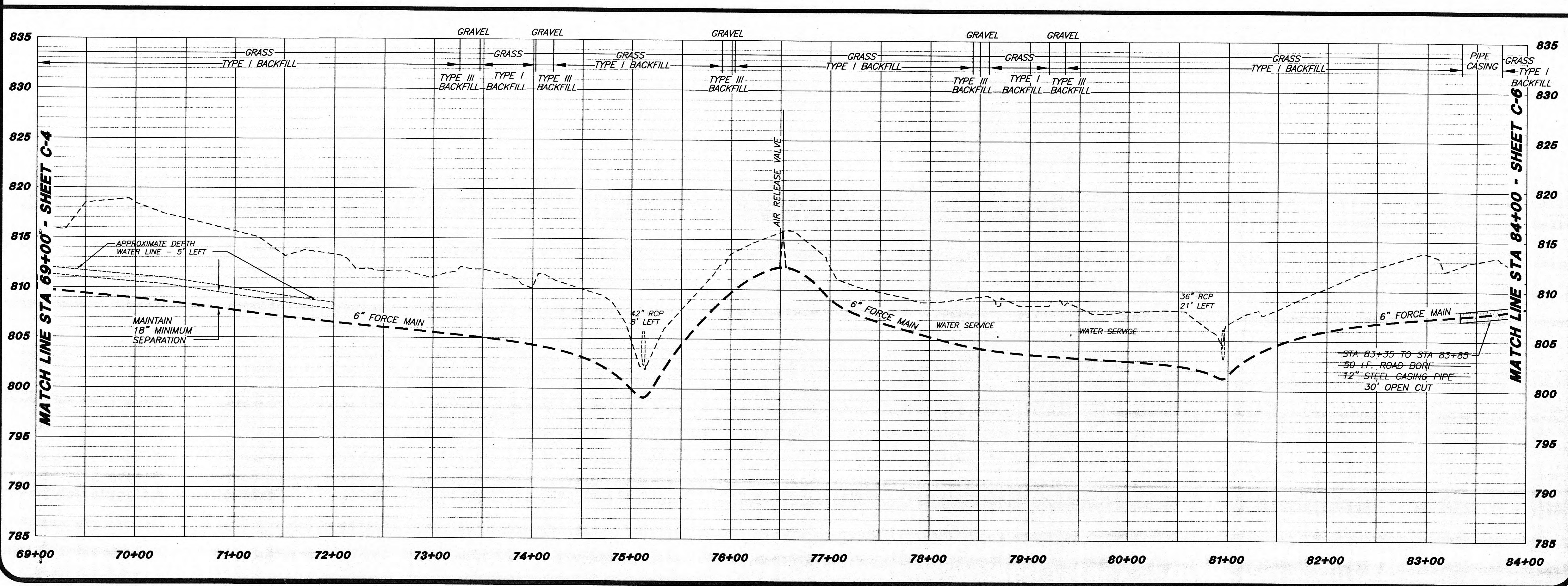
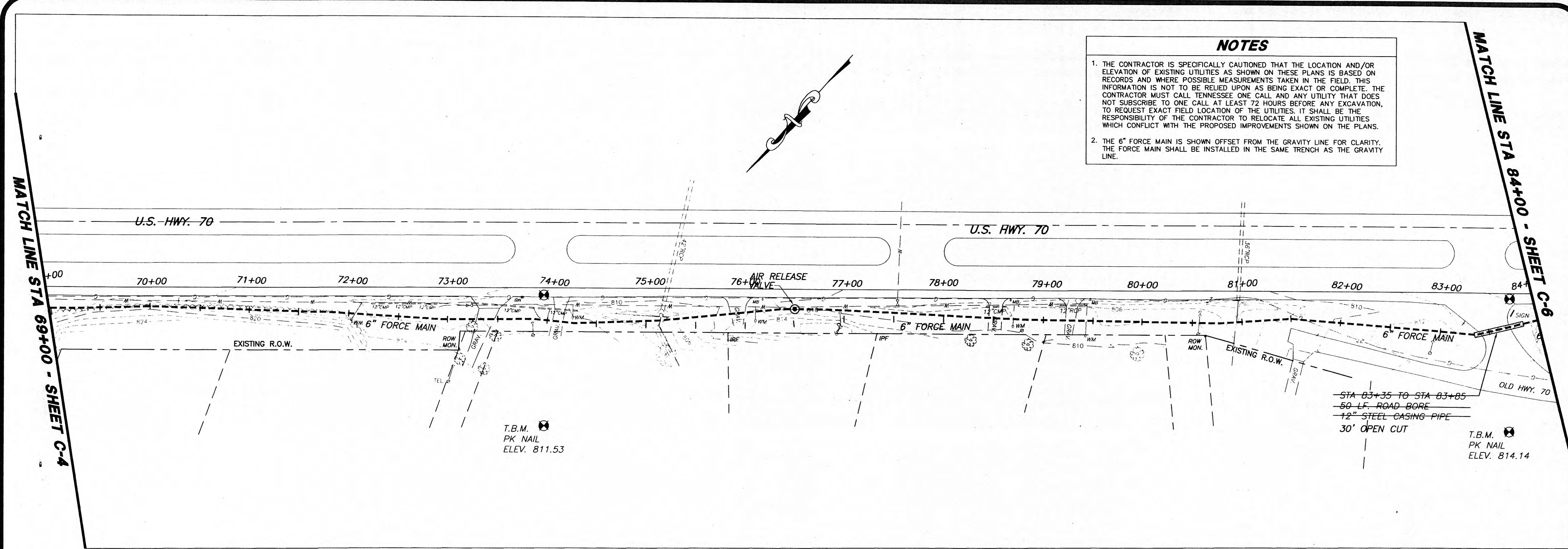
**LAND
DEVELOPMENT
SOLUTIONS**

310 SIMMONS RD., SUITE K, KNOXVILLE, TENNESSEE 37922 • PH: 423-671-2281

MATCH LINE STA 54+00 - SHEET C-3



MATCH LINE STA 69+00 - SHEET C-5



PROJECT:

MIDTOWN

SANITARY SEWER

ROANE COUNTY, TENNESSEE

LAND DEVELOPMENT SOLUTIONS

310 SIMMONS RD., SUITE K • KNOXVILLE, TENNESSEE 37922 • PH: 623-671-2281

DRAWING DESCRIPTION:

SANITARY SEWER

STA. 69+00

TO STA. 84+00

STATE OF TENNESSEE

REGISTERED ENGINEER

DAKOTA, J.

NO. 01827

DATE OF EXPIRATION: 12/31/07

DRAWN BY

CHECKED

APPROVED

JOB NO. 2-0-16

H: 1"=50'

V: 1"=5'

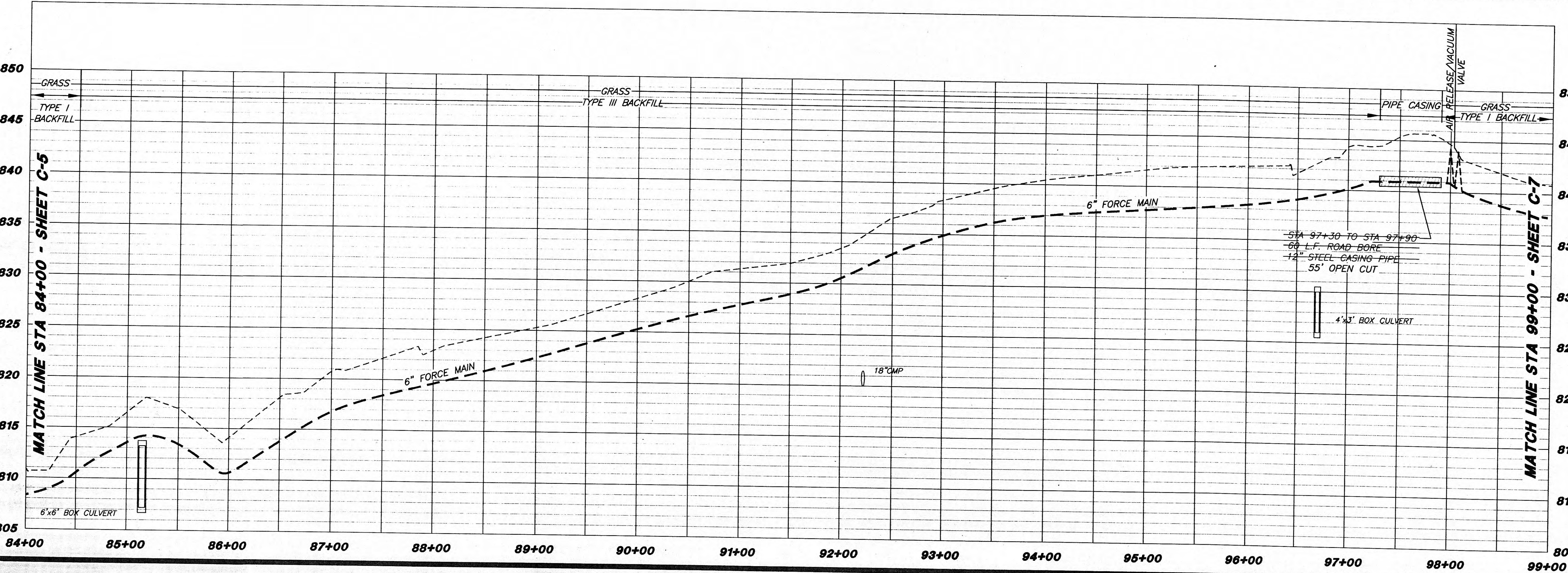
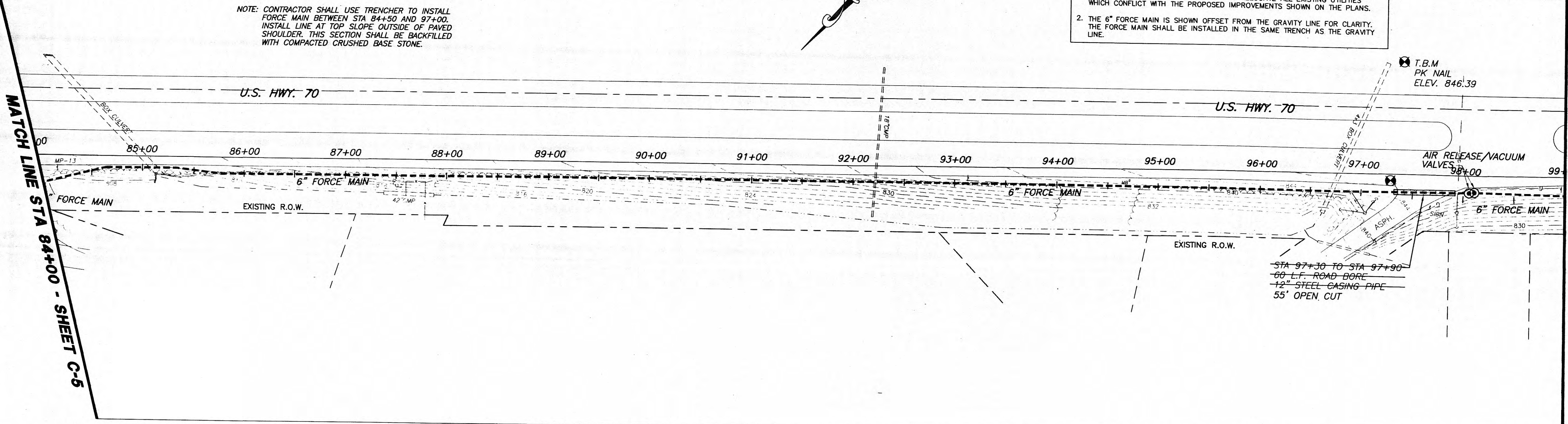
SCALE

10/16/00

DATE

C-5

SHEET NO.



NOTES

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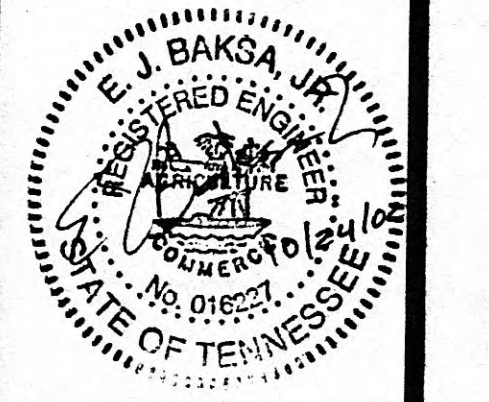
PROJECT:
**MIDTOWN
SANITARY SEWER**
ROANE COUNTY, TENNESSEE

LAND
DEVELOPMENT
SOLUTIONS

310 SIMMONS RD., SUITE K • KNOXVILLE, TENNESSEE 37922 • PH: 423-671-2281

DRAWING DESCRIPTION:
**SANITARY SEWER
STA. 84+00
TO STA. 99+00**

NO.	DATE	REVISION
1	2-15-01	ADDED BACKFILL TYPES IN PROFILE
2	10-24-02	AS-BUILT



DRAWN BY	
CHECKED	
APPROVED	
JOB NO.	2-0-16
H: 1"=50'	10/16/00
V: 1"=5'	DATE

C-6
SHEET NO.