

Because it is practically impossible to determine the lead content of an installed fixture, fitting or pipe, it should be assumed that the manufacture or installation date is the primary indicator of the lead content. Therefore, the characteristics of buildings and piping solder or fixtures would be **buildings in Ohio built prior to 1998 or that use plumbing material or solder manufactured before 1998** may have materials with greater than 8% lead and are at a higher risk of contributing lead to the drinking water than materials manufactured after 1998. In addition, buildings built and plumbing materials manufactured after 2014 were required to have less than 0.25% lead by weight and have the lowest risk for contributing lead to the drinking water. It should be noted however that, although prohibited, some use of leaded solder or leaded components may have occurred after the prohibitions became effective.

No lead service lines where ever installed.

RECEIVED

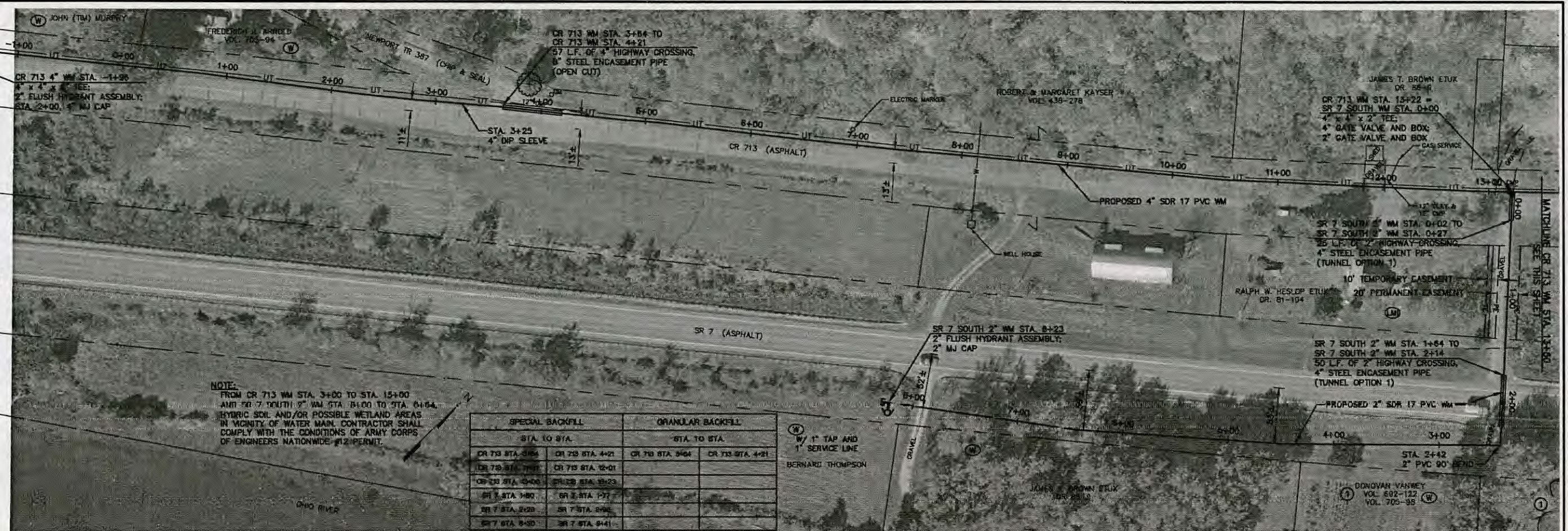
MAR 7 2017

Ohio Environmental
Protection Agency
Southeast District

RECEIVED

MAR 7 2017

Ohio Environmental
Protection Agency
Southeast District



NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, Limited PARKERSBURG, WV

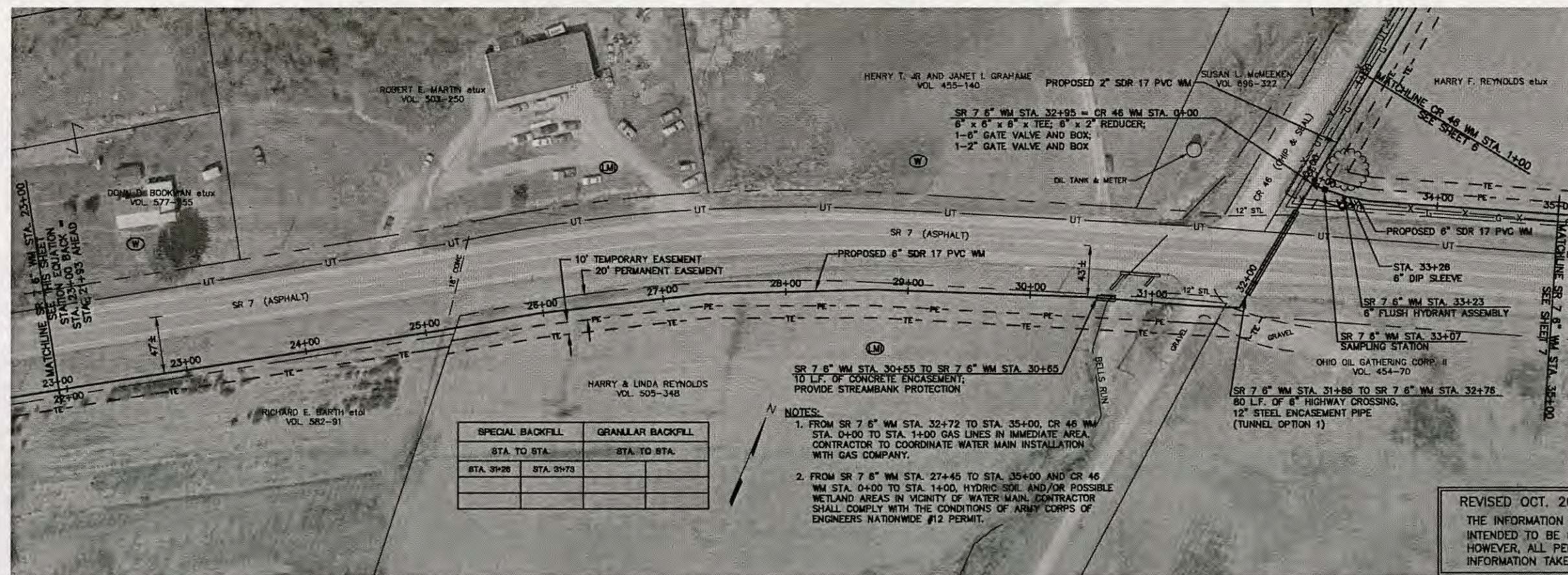
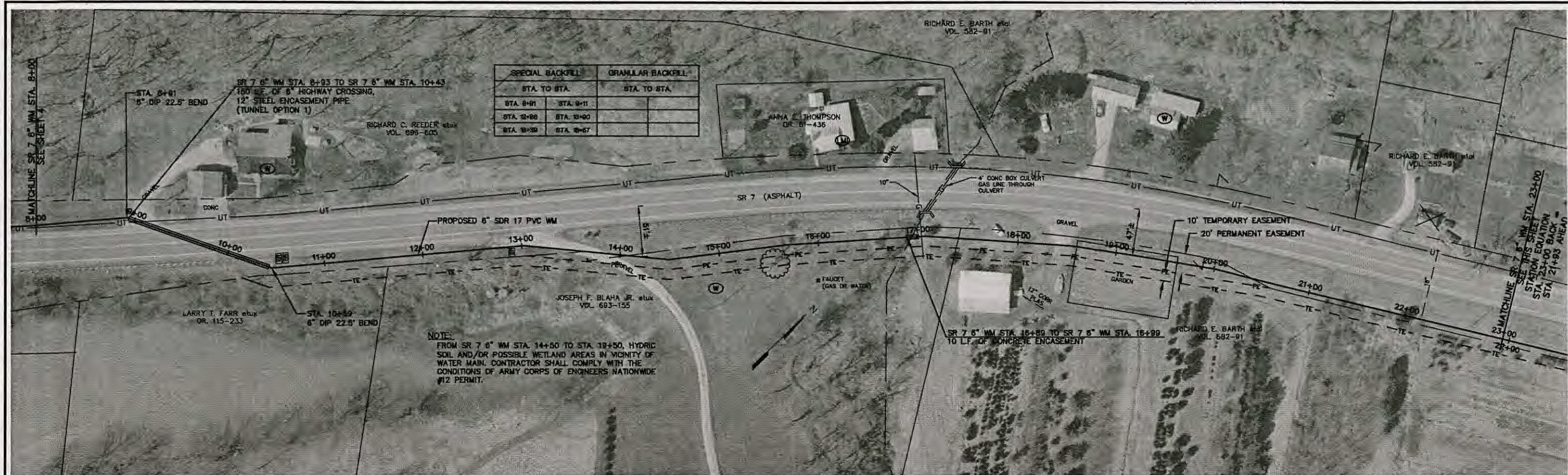
BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

CR 713 WM STA. -2+00 TO STA. 22+40
SR 7 SOUTH 2" WM STA. 0+00 TO STA. 8+23
SR 7 6" WM STA. 1+11 TO STA. 8+00

SCALE:	1"=50'
SHEET NO.	4
OF	42



RECEIVED
MAR 7 2017
Ohio Environmental
Protection Agency
Southeast District

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

P:\PR31154\CADD\AB-LWRN\DWG 10-16-02 11:32:10 am DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

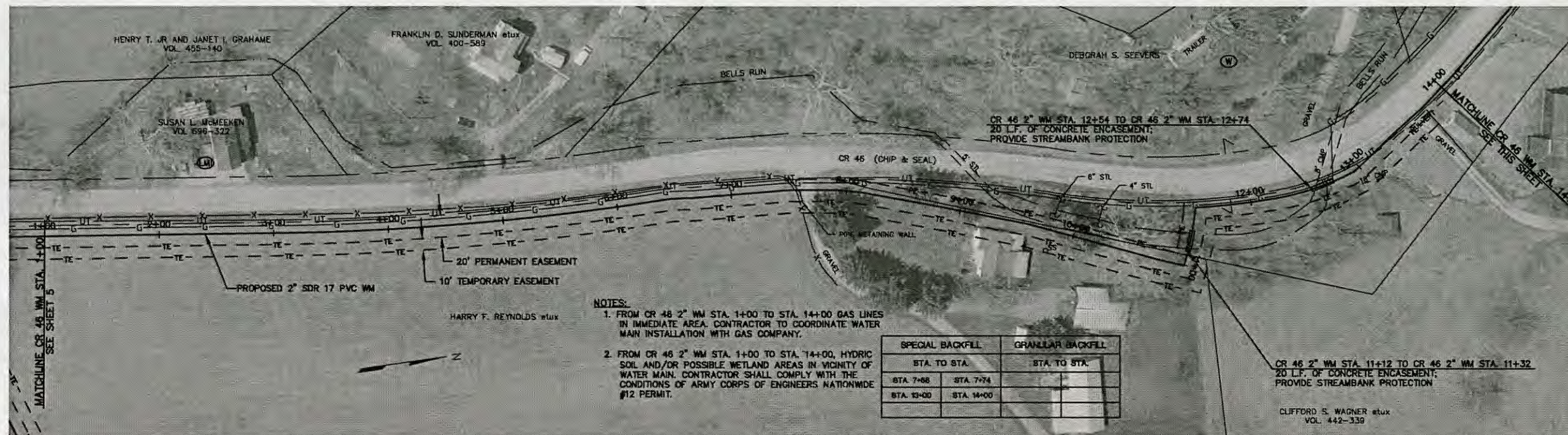
BURGESS & NIPLE

**NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1**

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 6" WM STA. 8+00 TO STA. 35+00
CR 46 WM STA. 0+00 TO STA. 1+00

SCALE:	1"=50'
SHEET NO.	5
OF	42



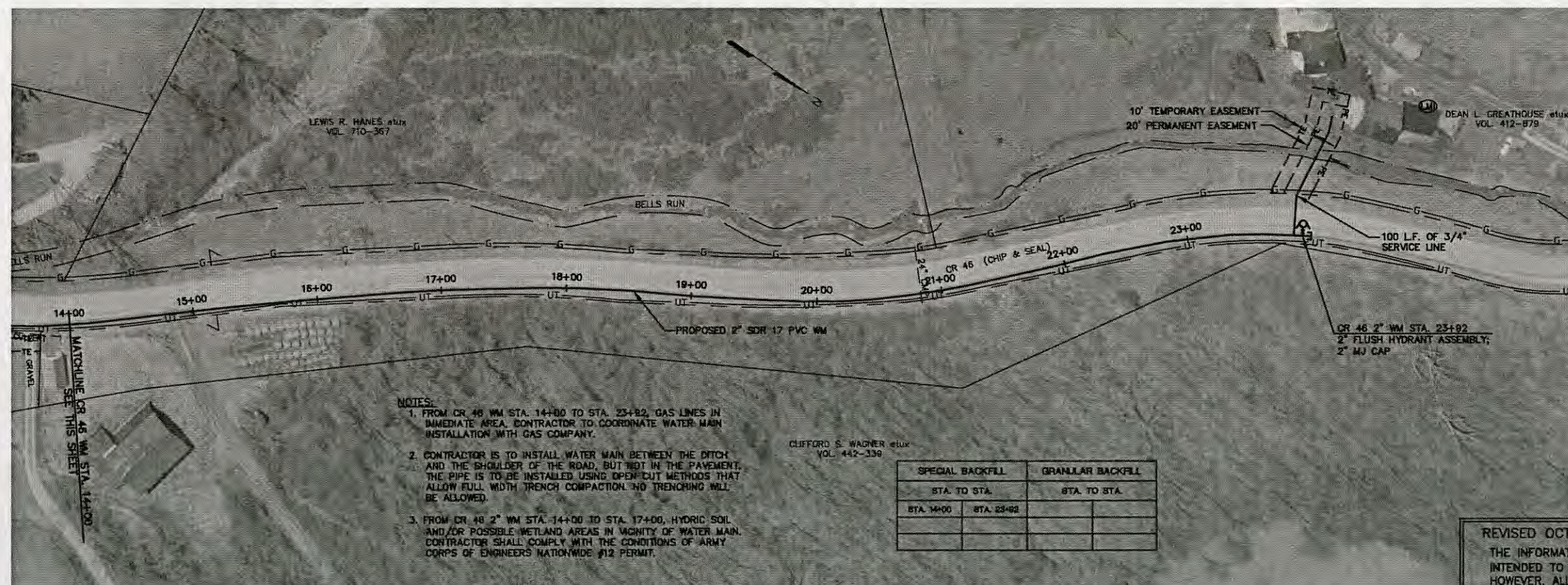
NOTES:

1. FROM CR 46 2" WM STA. 1+00 TO STA. 14+00 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
2. FROM CR 46 2" WM STA. 1+00 TO STA. 14+00, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 7+68	STA. 7+74		
STA. 13+00	STA. 14+00		

CR 46 2" WM STA. 11+12 TO CR 46 2" WM STA. 11+32
20 L.F. OF CONCRETE ENCASEMENT;
PROVIDE STREAMBANK PROTECTION

CLIFFORD S. WAGNER et ux
VOL. 442-339



NOTES:

1. FROM CR 46 WM STA. 14+00 TO STA. 23+92, GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
2. CONTRACTOR IS TO INSTALL WATER MAIN BETWEEN THE DITCH AND THE SHOULDER OF THE ROAD, BUT NOT IN THE PAVEMENT. THE PIPE IS TO BE INSTALLED USING OPEN CUT METHODS THAT ALLOW FULL WIDTH TRENCH COMPACTION. NO TRENCHING WILL BE ALLOWED.
3. FROM CR 46 2" WM STA. 14+00 TO STA. 17+00, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

CLIFFORD S. WAGNER et ux
VOL. 442-339

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 14+00	STA. 23+92		

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

RECEIVED
MAR 7 2017
Ohio Environmental
Protection Agency
Southeast District

P:\PR3154\CADD\AB-LWRNWP.DWG 10-16-02 11:32:10 am DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, Limited PARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

CR 46 WM STA. 1+00 TO STA. 23+92

SCALE:	1"=50'
SHEET NO.	6
OF	42

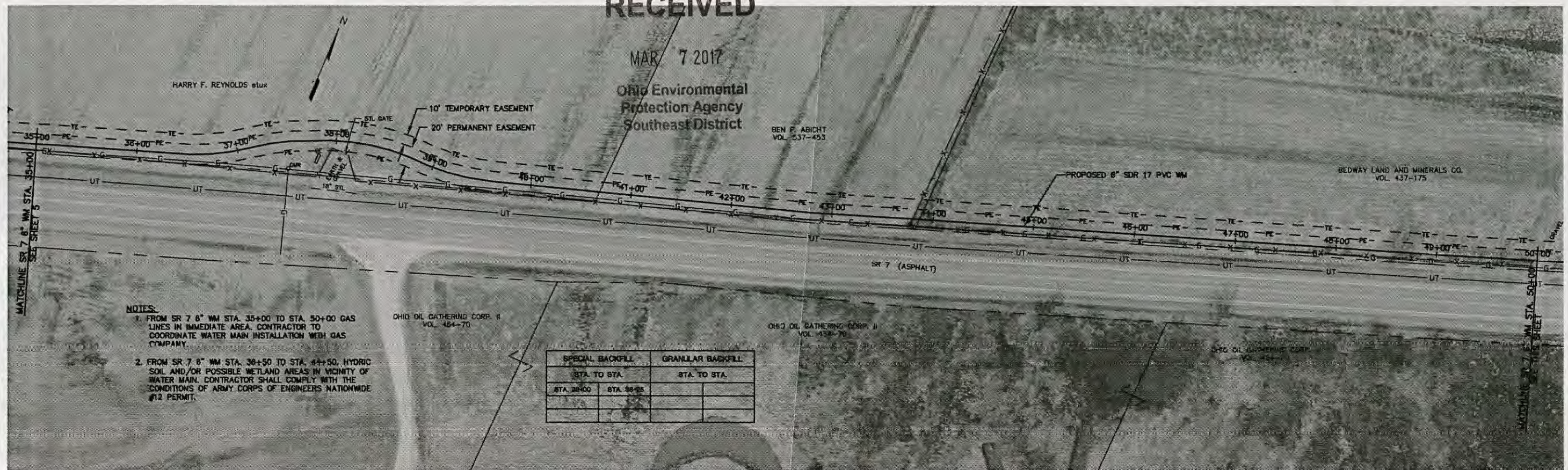
RECEIVED

MAR 7 2017

Ohio Environmental
Protection Agency
Southeast District

SEN. P. ABICHT
VOL. 537-453

BEDWAY LAND AND MINERALS CO.
VOL. 437-175



NOTES:

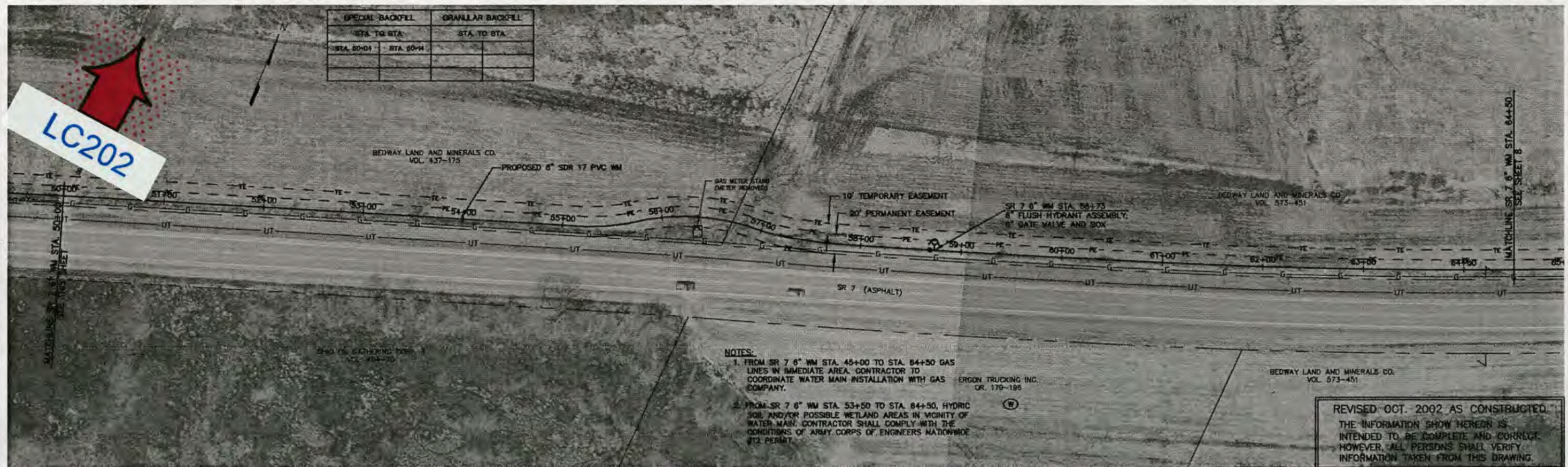
1. FROM SR 7 6" WM STA. 35+00 TO STA. 50+00 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
2. FROM SR 7 6" WM STA. 38+50 TO STA. 44+50, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

OHIO OIL GATHERING CORP. I
VOL. 454-70

OHIO OIL GATHERING CORP. II
VOL. 454-70

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 38+00	STA. 38+50		

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 50+04	STA. 50+14		



NOTES:

1. FROM SR 7 6" WM STA. 45+00 TO STA. 64+50 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
2. FROM SR 7 6" WM STA. 53+50 TO STA. 64+50, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

ERGON TRUCKING INC.
OR. 170-186

BEDWAY LAND AND MINERALS CO.
VOL. 573-451

REVISED OCT. 2002 AS CONSTRUCTED.
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

P:\PR31154\CADD\AB-LWRNWT.DWG 10-16-02 11:32:10 am DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, Limited PARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

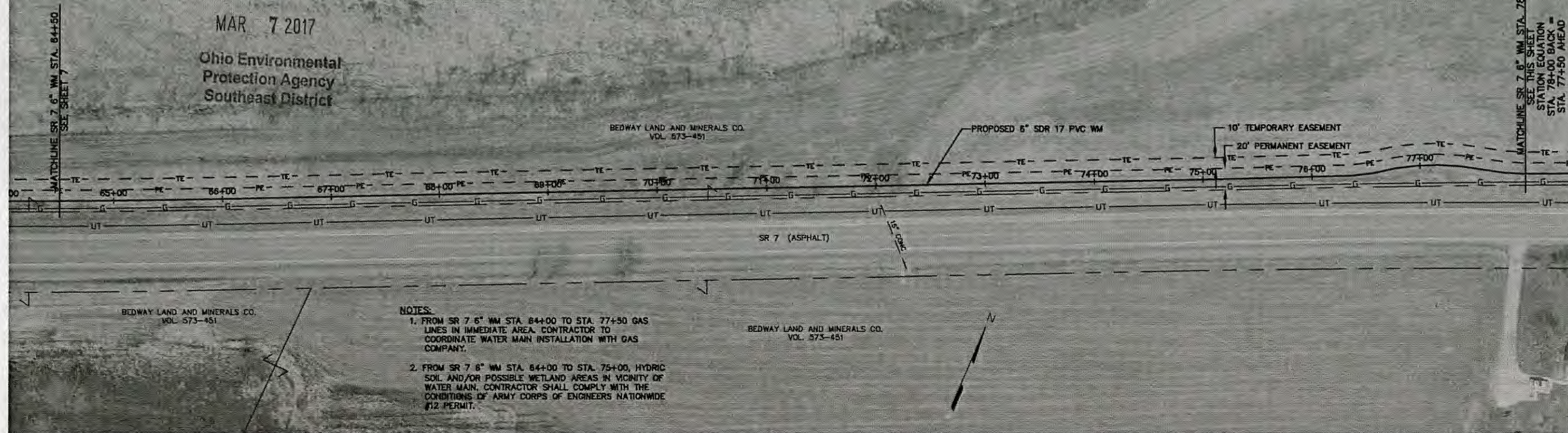
SR 7 6" WM STA. 35+00 TO STA. 64+50

SCALE:	1"=50'
SHEET NO.	7
OF	42

RECEIVED

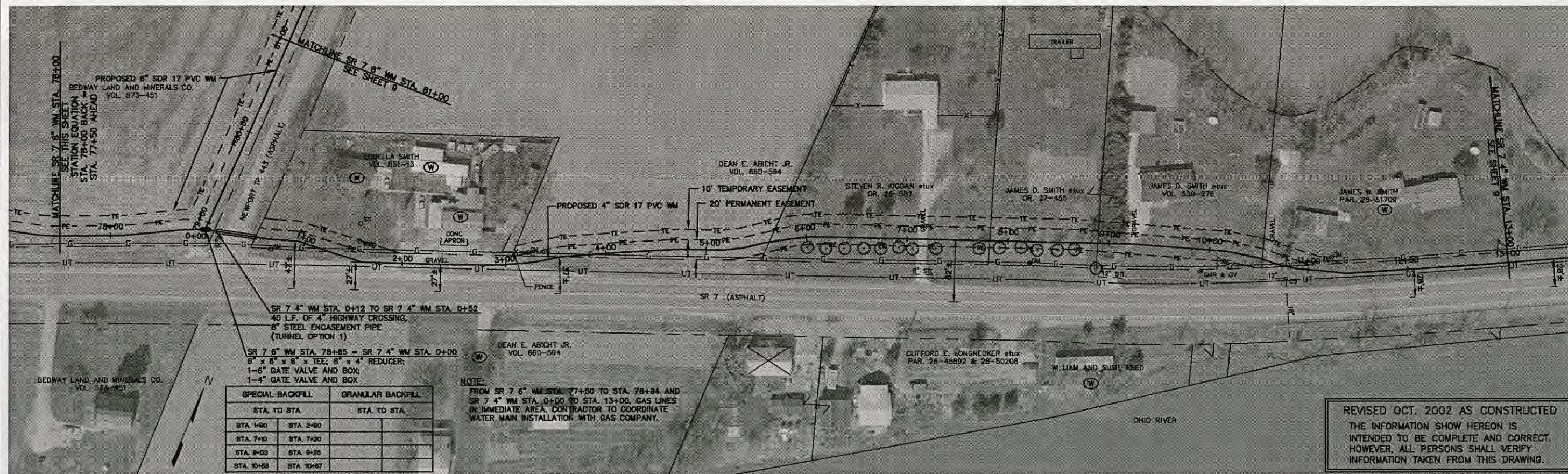
MAR 7 2017

Ohio Environmental
Protection Agency
Southeast District



NOTES:

1. FROM SR 7 6" WM STA. 64+00 TO STA. 77+50 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
2. FROM SR 7 6" WM STA. 64+00 TO STA. 75+00, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.



NOTE:

FROM SR 7 6" WM STA. 77+50 TO STA. 78+84 AND SR 7 4" WM STA. 0+00 TO STA. 13+00, GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

P:\PR31154\CADD\AB-LWRN\WPT.DWG 10-16-02 11:32:10 am DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

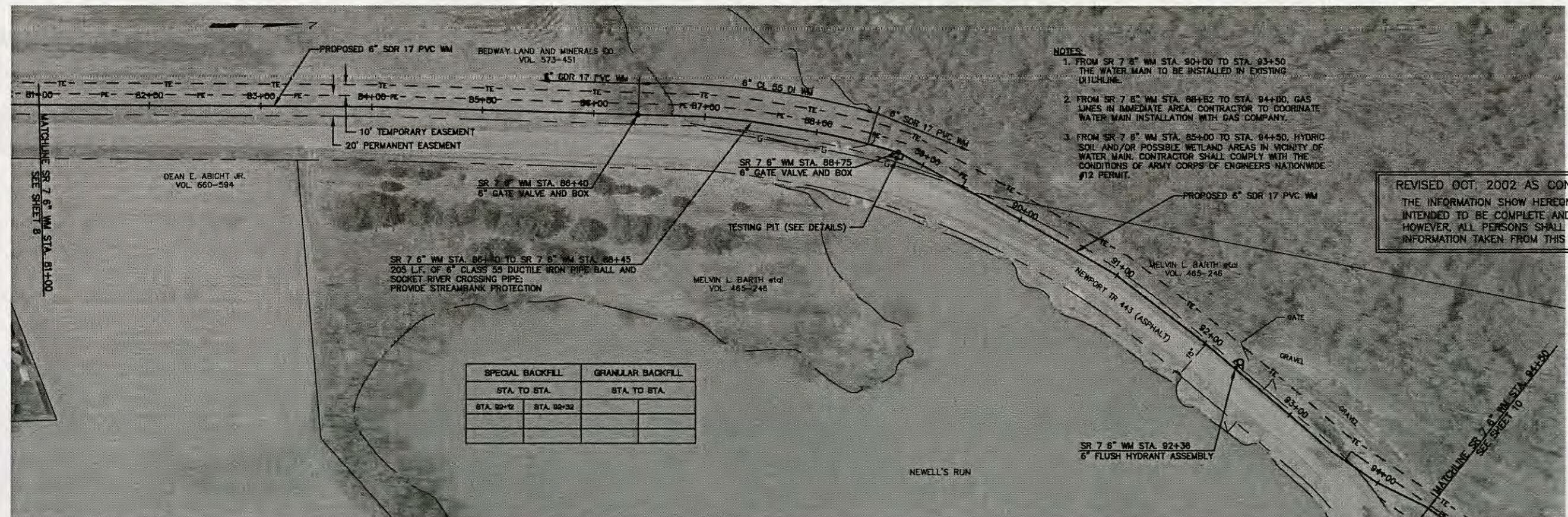
SR 7 6" WM STA. 64+50 TO STA. 81+00
SR 7 4" WM STA. 0+00 TO STA. 13+00

SCALE:	1"=50'
SHEET NO.	8
OF	42

RECEIVED

MAR 7 2017

Ohio Environmental
Protection Agency
Southeast District



- NOTES:
1. FROM SR 7 6" WM STA. 90+00 TO STA. 93+50 THE WATER MAIN TO BE INSTALLED IN EXISTING UTICHLINE.
 2. FROM SR 7 6" WM STA. 88+82 TO STA. 94+00, GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
 3. FROM SR 7 6" WM STA. 85+00 TO STA. 94+50, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 92+12	STA. 92+32		

P:\PR3154\CADD\AB-LWRN\DWG 10-16-02 11:32:10 am DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 6" WM STA. 81+00 TO STA. 94+50
SR 7 4" WM STA. 13+00 TO STA. 15+63

SCALE:	
1"=50'	
SHEET NO.	OF
9	42

RECEIVED

MAR 7 2017

Ohio Environmental
Protection Agency
Southeast District



NOTES:

1. FROM SR 7 6" WM STA. 109+88 TO STA. 122+50, THE WATER MAIN IS TO BE INSTALLED IN THE DITCHLINE AT THE BOTTOM OF THE BANK.
2. FROM TR 19 4" WM STA. 1+00 TO STA. 1+50 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
3. FROM SR 7 6" WM STA. 94+50 TO STA. 122+50 AND TR 19 WM STA. 0+00 TO STA. 1+50, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 94+50	STA. 99+00	STA. 107+15	STA. 107+35
STA. 102+15	STA. 102+47	STA. 106+00	STA. 108+00
STA. 121+41	STA. 122+50	STA. 100+00	STA. 121+41

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV

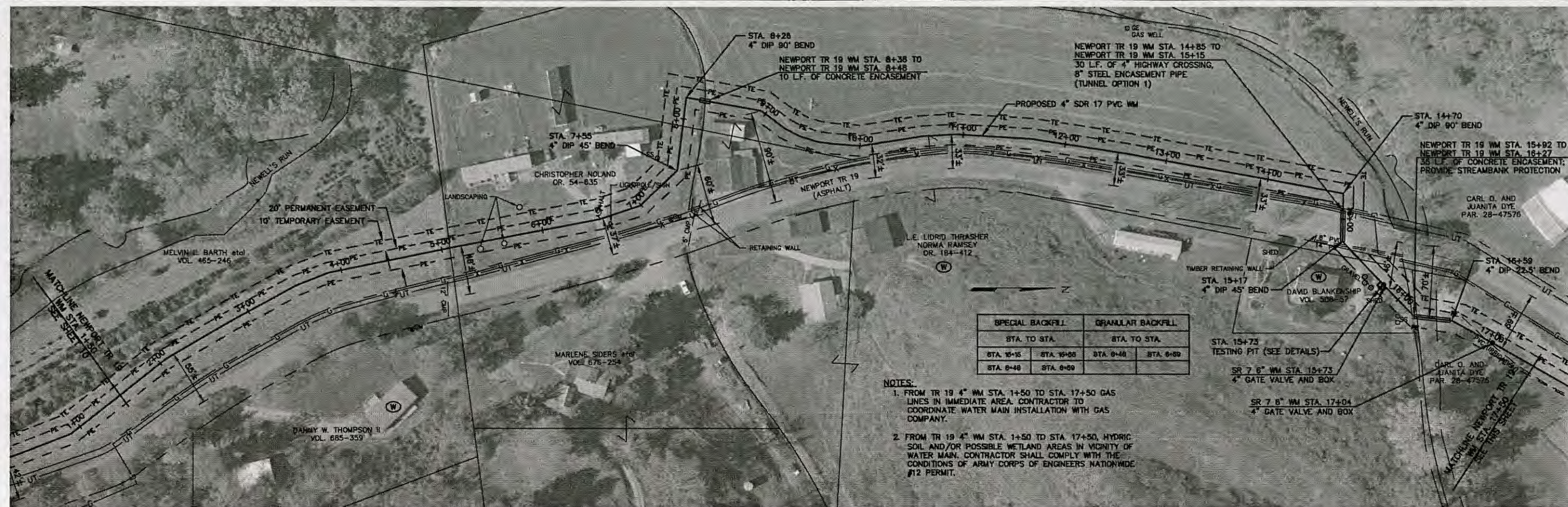
BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

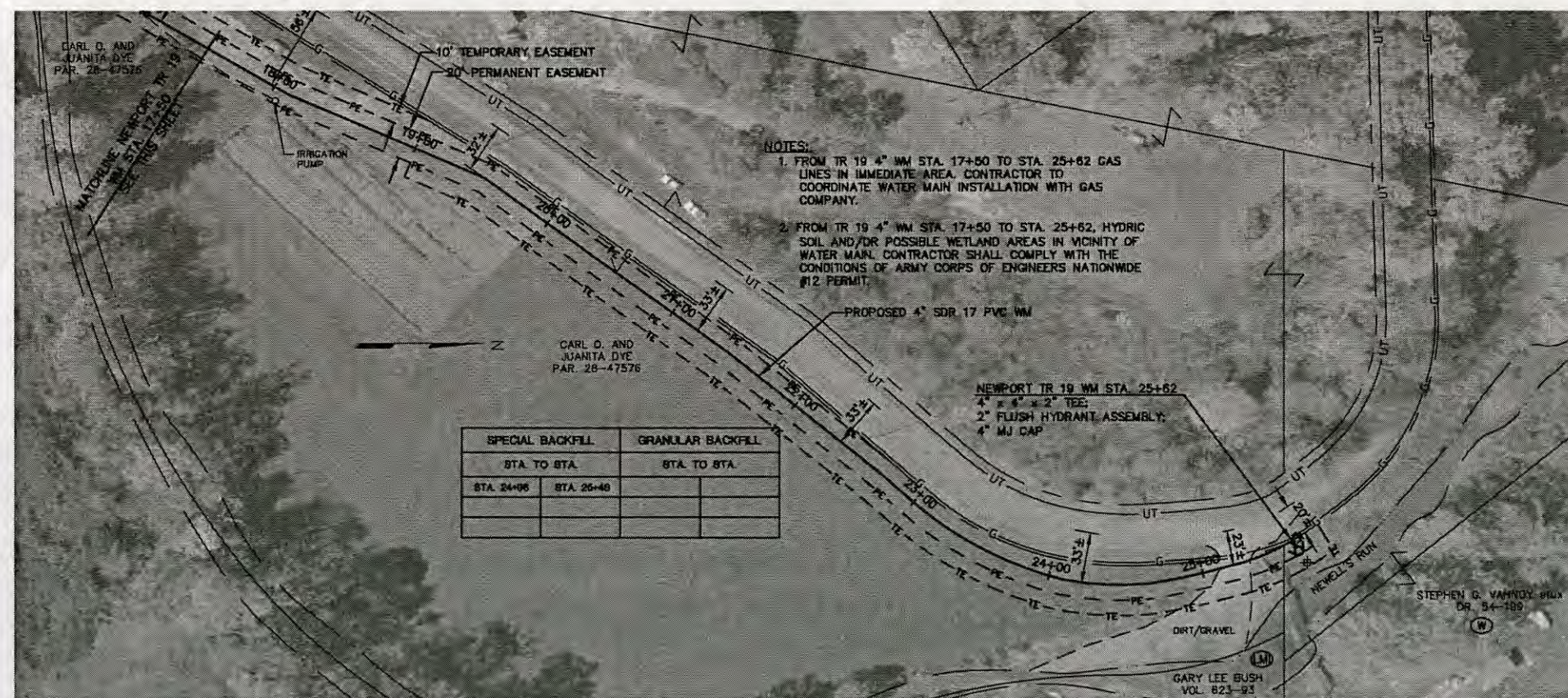
SR 7 6" WM STA. 94+50 TO STA. 122+50
NEWPORT TR 19 WM STA. 0+00 TO STA. 1+50

SCALE:	1"=50'
SHEET NO.	10
OF	42



SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 15+15	STA. 15+58	STA. 8+48	STA. 8+59
STA. 8+48	STA. 8+59		

- NOTES:
1. FROM TR 19 4" WM STA. 1+50 TO STA. 17+50 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
 2. FROM TR 19 4" WM STA. 1+50 TO STA. 17+50, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.



SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 24+06	STA. 25+48		

- NOTES:
1. FROM TR 19 4" WM STA. 17+50 TO STA. 25+62 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
 2. FROM TR 19 4" WM STA. 17+50 TO STA. 25+62, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

RECEIVED
MAR 7 2017
Ohio Environmental
Protection Agency
Southeast District

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOW HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

P:\PR3154\CADD\AB-LWRN\WPT.DWG 10-16-02 11:32:10 am DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, Limited PARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

NEWPORT TR 19 WM STA. 1+50 TO STA. 25+62

SCALE:	1"=50'
SHEET NO.	11
OF	42



NO.	REVISIONS	DATE	BY	CHK.

Burgess & Niple, Inc. **PARKERSBURG, WV**

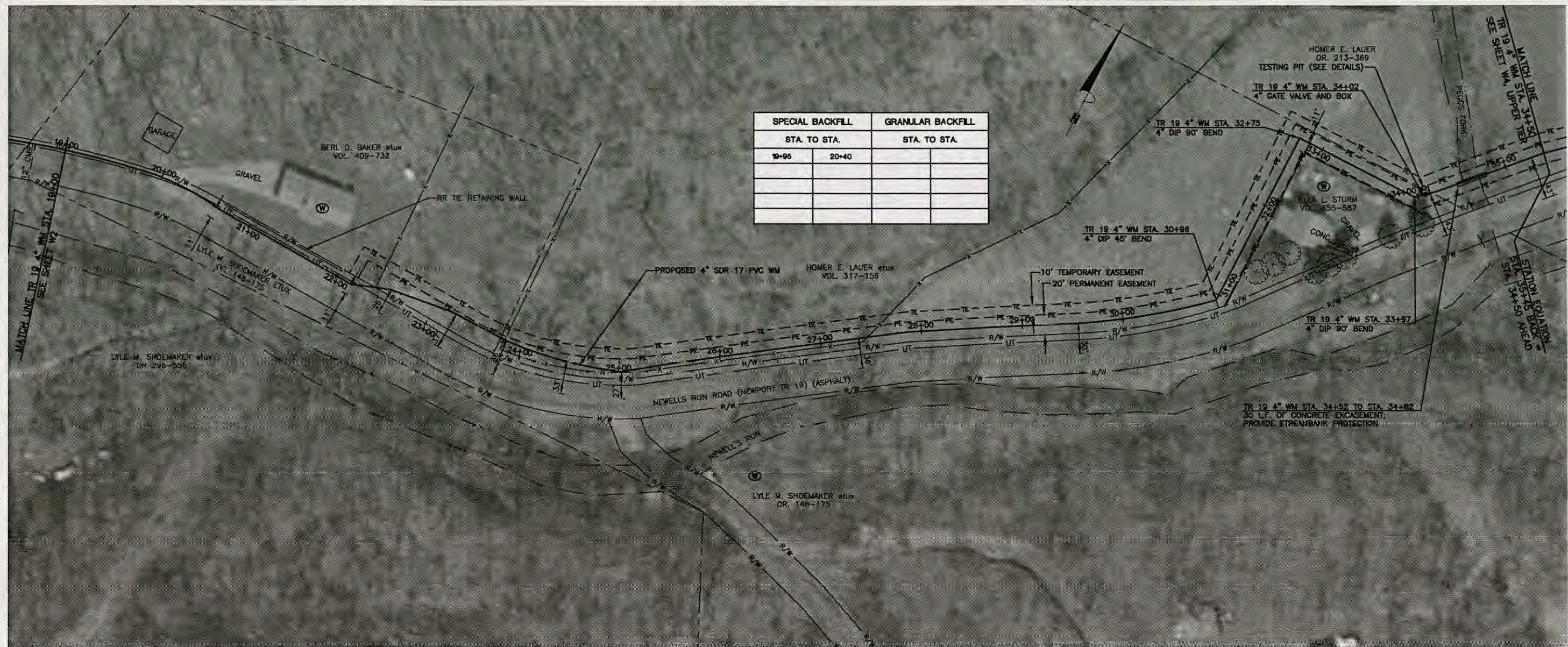
BURGESS & NIPLE

**NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1
CHANGE ORDER NO. 6**

JOB NO.	33695
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	NOV. 2003

TR 19 4" WM STA. 0+00 TO 19+00

SCALE:	
1"=50'	
SHEET NO.	OF
W2	W7



SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
19+95	20+40		

NOTES:
FROM 4" WM STA. 19+00 TO STA. 23+35, WATER MAIN
IS TO BE INSTALLED IN DITCHLINE.

RECEIVED

MAR 7 2017

Ohio Environmental
Protection Agency
Southeast District

REVISED DEC. 2004 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.
1				
2				
3				
4				
5				

Burgess & Niple, Inc. PARKERSBURG, WV



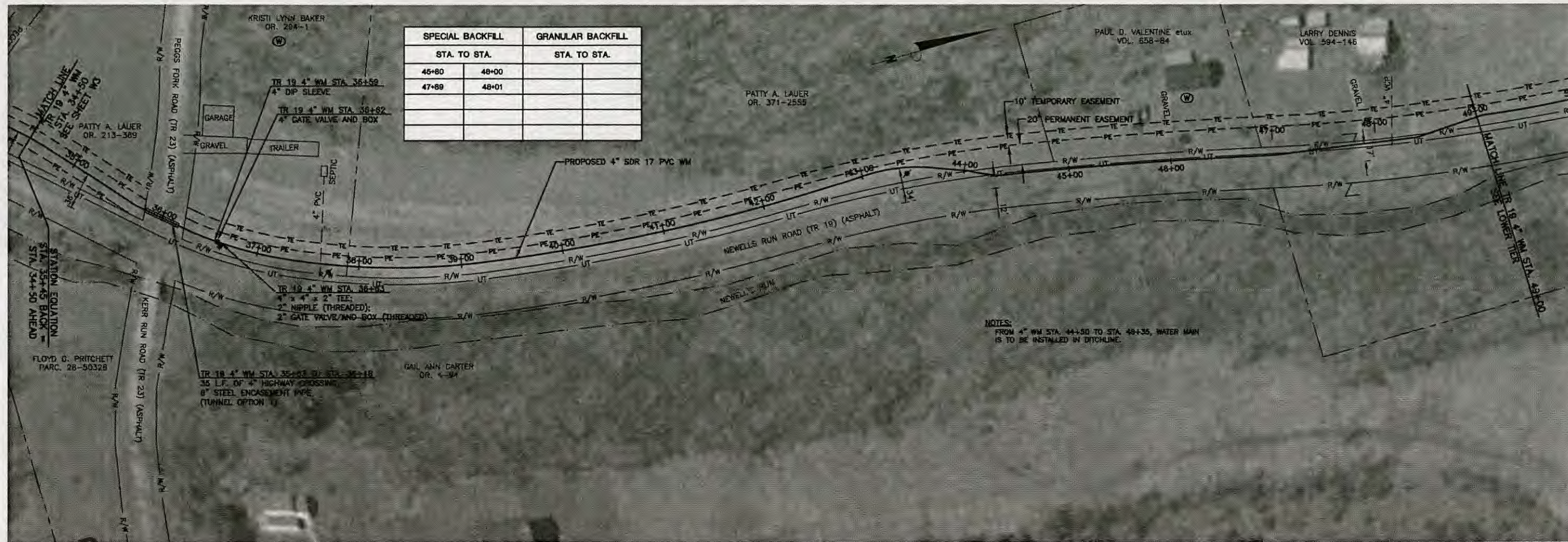
BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1
CHANGE ORDER NO. 6

JOB NO.	33695
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	NOV. 2003

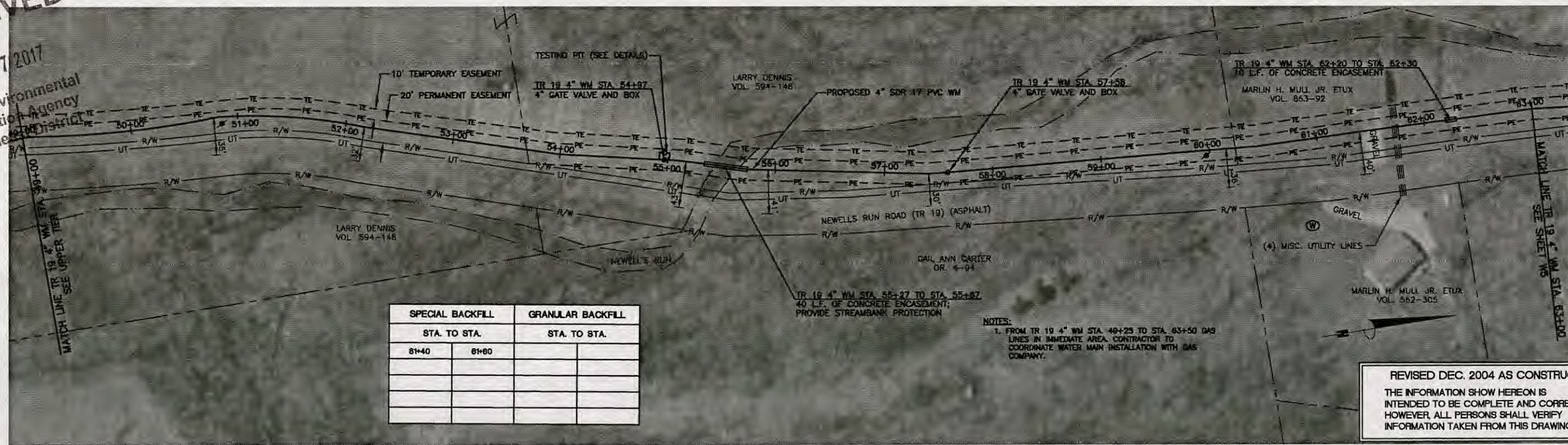
TR 19 4" WM STA. 19+00 TO 34+00

SCALE:	
1"=50'	
SHEET NO.	OF
W3	W7



RECEIVED

MAR 7 2017
Ohio Environmental
Protection Agency
Southern District



P:\PR33695\CADD\WBLT-LAYOUT.DWG 12-21-04 7:51:31 am DYE

NO.	REVISIONS	DATE	BY	CHK.

Burgess & Niple, Inc. PARKERSBURG, WV



BURGESS & NIPLE

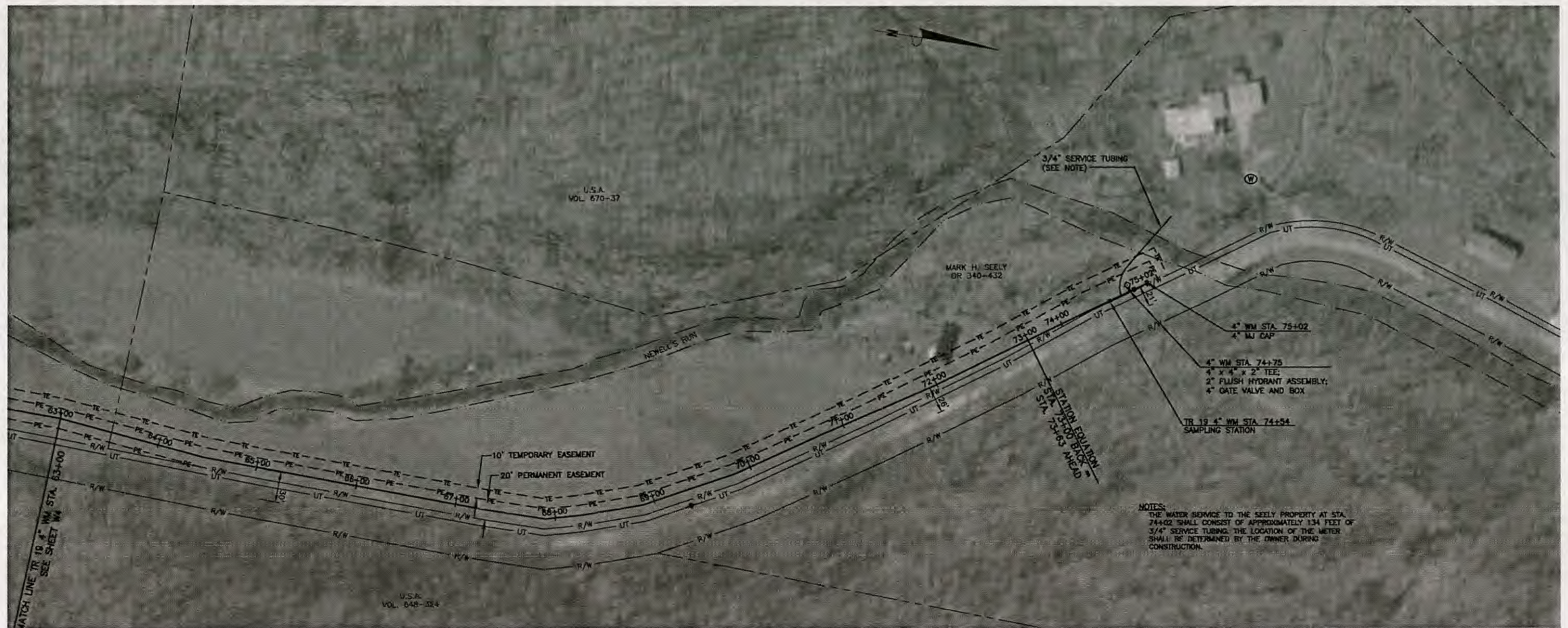
NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1
CHANGE ORDER NO. 6

JOB NO.	33695
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	NOV. 2003

TR 19 4" WM STA. 34+00 TO 63+00

SCALE:	
1"=50'	
SHEET NO.	OF
W4	W7

REVISED DEC. 2004 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.



NOTES:
 THE WATER SERVICE TO THE SEELY PROPERTY AT STA. 74+02 SHALL CONSIST OF APPROXIMATELY 134 FEET OF 3/4" SERVICE TUBING. THE LOCATION OF THE METER SHALL BE DETERMINED BY THE OWNER DURING CONSTRUCTION.

RECEIVED

MAR 7 2017

Ohio Environmental
 Protection Agency
 Southeast District

REVISED DEC. 2004 AS CONSTRUCTED
 THE INFORMATION SHOWN HEREON IS
 INTENDED TO BE COMPLETE AND CORRECT.
 HOWEVER, ALL PERSONS SHALL VERIFY
 INFORMATION TAKEN FROM THIS DRAWING.

P:\PR33695\CADD\ABLT-LAYOUT.DWG 12-21-04 7:51:31 am DYE

NO.	REVISIONS	DATE	BY	CHK.

Burgess & Niple, Inc. PARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
 WASHINGTON COUNTY, OHIO
 WATER SYSTEM EXTENSION
 CONTRACT 99-1
 CHANGE ORDER NO. 6

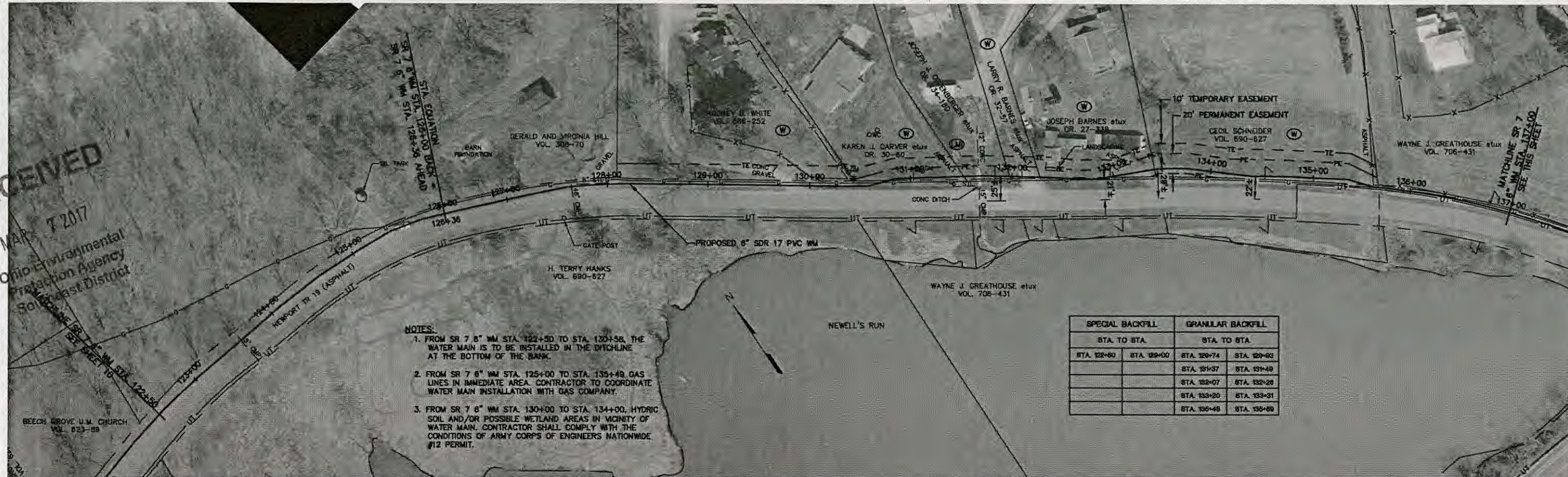
JOB NO.	33695
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	NOV. 2003

TR 19 4" WM STA. 63+00 TO 74+12

SCALE:	
1"=50'	
SHEET NO.	OF
W5	W7

RECEIVED

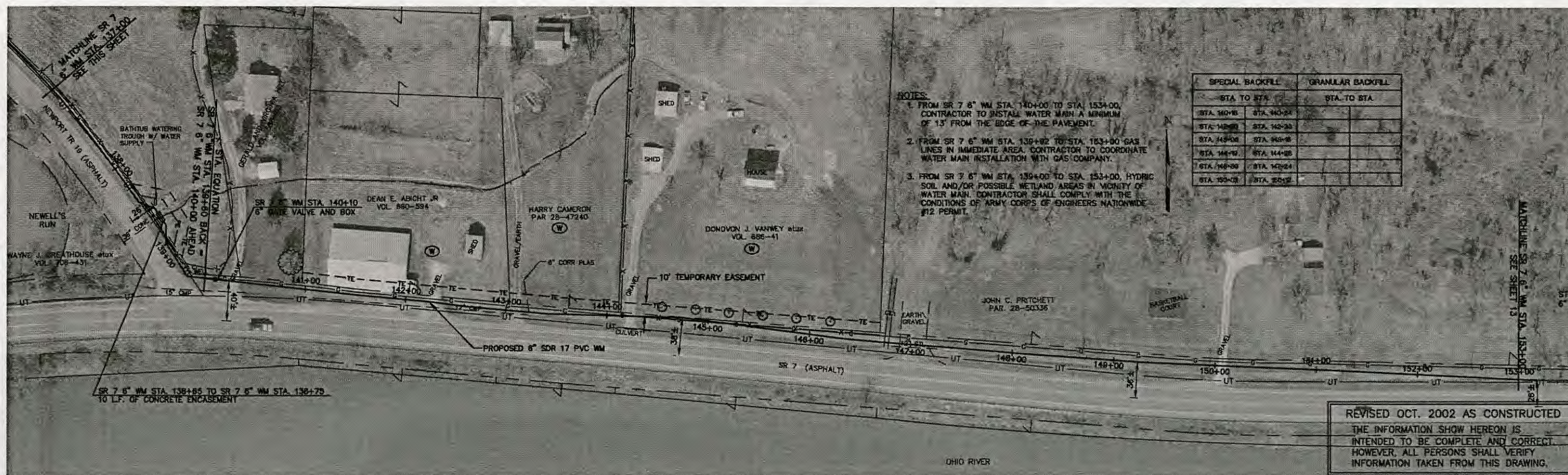
MAR 7 2017
Ohio Environmental
Protection Agency
Southeast District



NOTES:

1. FROM SR 7 6" WM STA. 122+50 TO STA. 130+58, THE WATER MAIN IS TO BE INSTALLED IN THE DITCHLINE AT THE BOTTOM OF THE BANK.
2. FROM SR 7 6" WM STA. 125+00 TO STA. 135+40 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
3. FROM SR 7 6" WM STA. 130+00 TO STA. 134+00, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 122+60	STA. 129+00	STA. 129+74	STA. 130+83
		STA. 131+37	STA. 131+49
		STA. 132+07	STA. 132+28
		STA. 133+20	STA. 133+31
		STA. 135+48	STA. 135+69



NOTES:

1. FROM SR 7 6" WM STA. 140+00 TO STA. 153+00, CONTRACTOR TO INSTALL WATER MAIN A MINIMUM OF 15' FROM THE EDGE OF THE PAVEMENT.
2. FROM SR 7 6" WM STA. 139+02 TO STA. 153+00 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
3. FROM SR 7 6" WM STA. 139+00 TO STA. 153+00, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 140+00	STA. 140+24		
STA. 142+00	STA. 142+30		
STA. 143+00	STA. 143+06		
STA. 144+00	STA. 144+26		
STA. 146+00	STA. 146+24		
STA. 150+00	STA. 150+12		

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

P:\PRE3154\CADD\AB-LWRN\WPT.DWG 10-16-02 11:32:10 am DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, Limited PARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

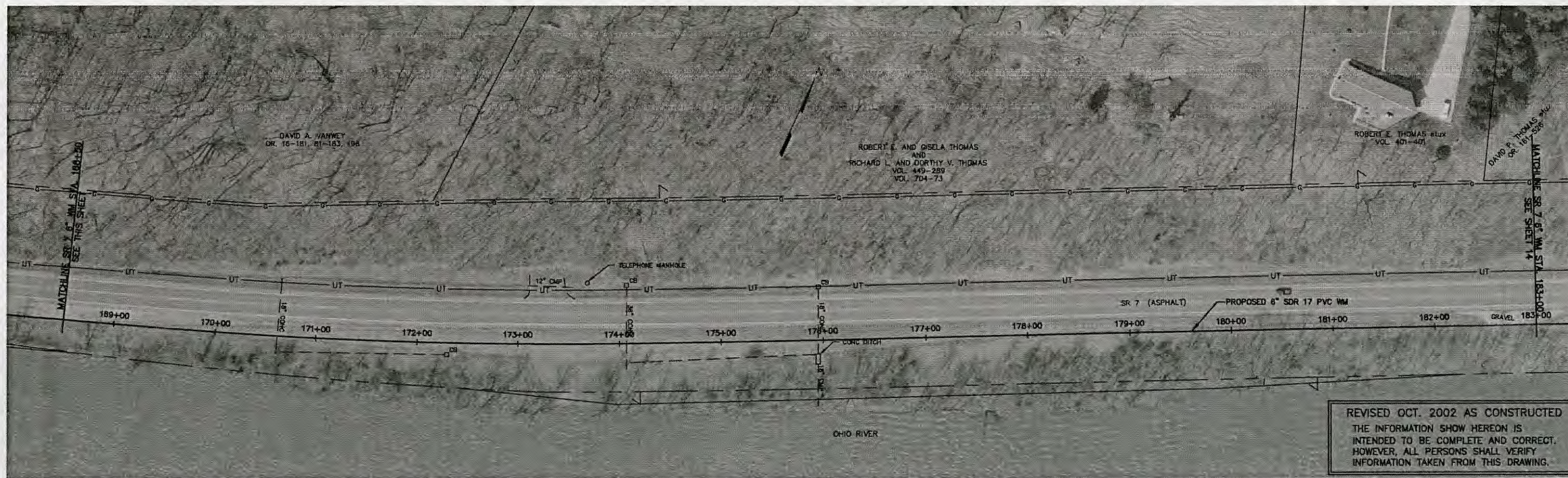
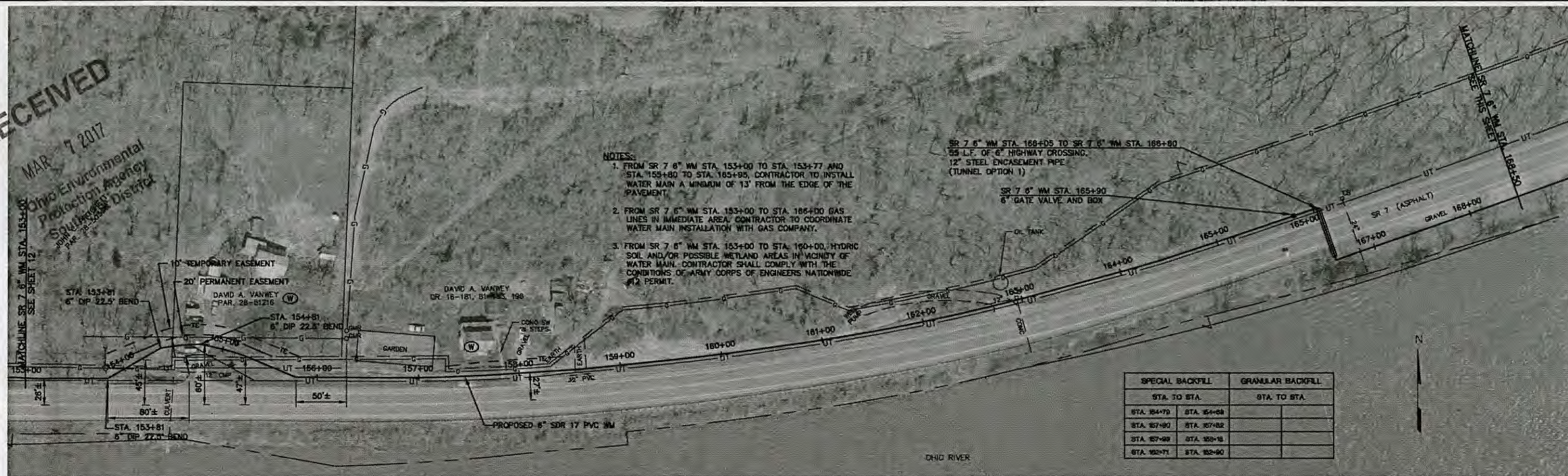
SR 7 6" WM STA. 122+50 TO STA. 153+00

SCALE:	1"=50'
SHEET NO.	12
OF	42

RECEIVED

MAR 7 2017

Ohio Environmental
Protection Agency
Southeast District
PAR 28-81216



P:\PR31154\CADD\AB-LWRNFT.DWG 10-16-02 11:32:10 am DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 6" WM STA. 153+00 TO STA. 183+00

SCALE:	1"=50'
SHEET NO.	13
OF	42

ROBERT E. AND GISELA THOMAS
AND
RICHARD L. AND DOROTHY V. THOMAS
VOL. 449-289
VOL. 704-73

RECEIVED
MAR 7 2007

Ohio Department of
Public Safety
Protection Agency
Southeast District

RICHARD L. AND DOROTHY V. THOMAS et al
VOL. 449-289
VOL. 704-73

SR 7 2" WM STA. 4+10
2" x 2" x 2" Tee
STA. 4+10, 2" FLUSH HYDRANT ASSEMBLY
STA. 4+13.5" MJ CAP

EASEMENTS REQUIRED
FOR WATER SERVICE

PROPOSED 2" SDR 17 PVC WM

ROBERT E. AND GISELA THOMAS
VOL. 420-204

DAVID P. THOMAS et al
GR. 181-546

STATION EQUATION
STA. 0+00 BACK
STA. 0+00 AHEAD

SR 7 6" WM STA. 185+53+
SR 7 2" WM STA. 0+00
6" x 6" x 6" Tee
STA. 0+00, 6" x 2" REDUCER
STA. 185+53, 6" GATE VALVE AND BOX
STA. 0+02, 6" GATE VALVE AND BOX

SR 7 6" WM STA. 185+05 TO
SR 7 6" WM STA. 186+09
6" RESTRAINED JOINT CL 31 DIP W/
CONCRETE ANCHOR COLLARS
@ 20' C/C

SR 7 6" WM STA. 186+19 TO STA. 188+34
15 L.F. OF CONCRETE ENCASMENT

SR 7 6" WM STA. 184+01 TO SR 7 6" WM STA. 185+10
65 L.F. OF 8" HIGHWAY CROSSING,
12" STEEL ENCASMENT PIPE
(TUNNEL OPTION 1)

NOTES

1. FROM SR 7 6" WM STA. 187+25 TO STA. 198+00, CONTRACTOR TO INSTALL WATER MAIN A MINIMUM OF 13' FROM THE EDGE OF THE PAVEMENT.
2. FROM SR 7 6" WM STA. 185+53 TO STA. 186+32 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
3. FROM SR 7 6" WM STA. 183+00 TO STA. 198+00 AND SR 7 2" WM STA. 0+00 TO STA. 1+00, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 183+01	STA. 185+78		

FRANK S. GREENWOOD
VOL. 389-885

ROCK CLIFF FACE

SR 7 (ASPHALT)

PROPOSED 6" SDR 17 PVC WM

OHIO RIVER

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

P:\PR31154\CADD\AB-L\W\WFT.DWG 10-16-02 11:32:10 am DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV



BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO. 25227
DESIGNED BY: AMH
DRAWN BY: DRD
CHECKED BY: AMH
APPROVED BY: CDR
DATE: MARCH 2001

SR 7 6" WM STA. 183+00 TO STA. 198+00
SR 7 2" WM STA. 0+00 TO STA. 3+66

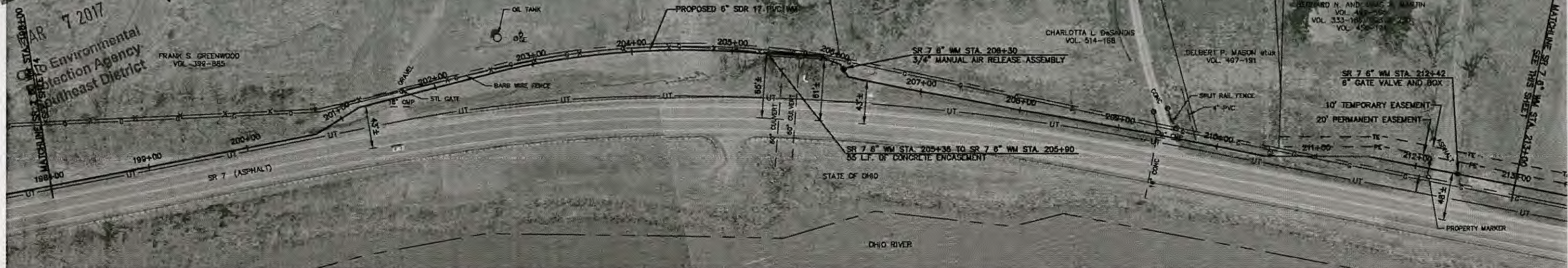
SCALE:	
1"=50'	
SHEET NO.	OF
14	42

RECEIVED

APR 7 2017
Ohio Department of Environmental Protection
Southeast District

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 201+50	STA. 201+70	STA. 200+48	STA. 200+57
		STA. 212+18	STA. 212+38

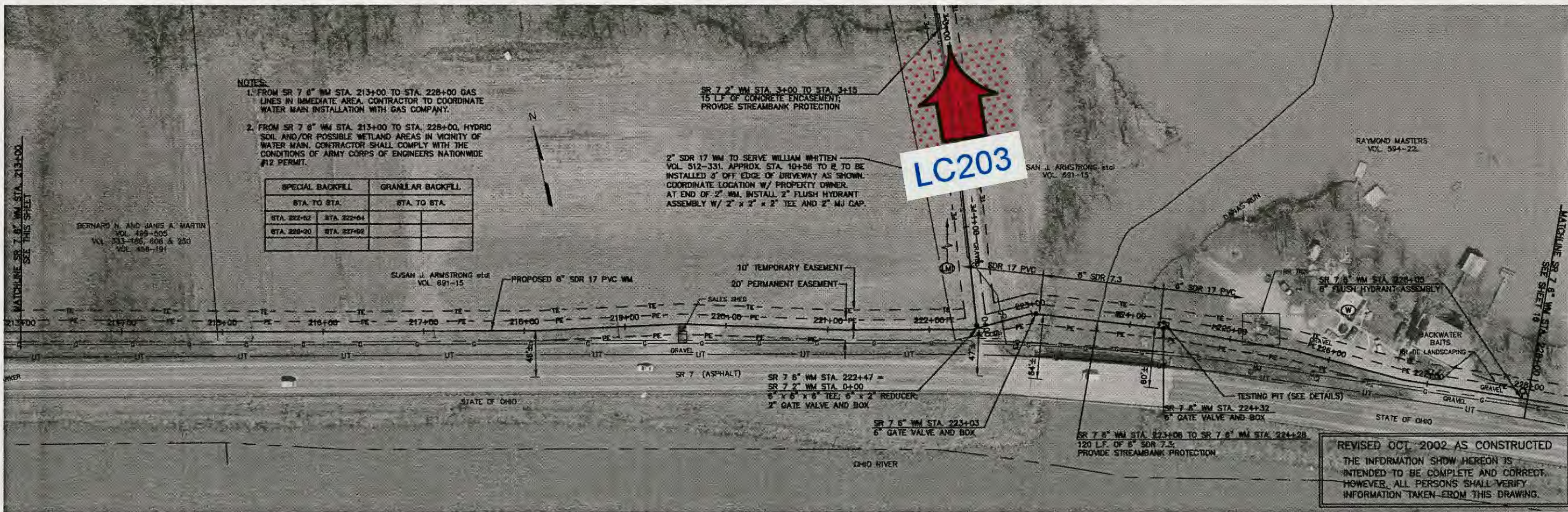
- NOTES:
- FROM SR 7 6" WM STA. 198+00 TO STA. 200+70, CONTRACTOR TO INSTALL WATER MAIN A MINIMUM OF 13' FROM THE EDGE OF THE PAVEMENT.
 - FROM SR 7 6" WM STA. 201+20 TO STA. 215+00 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
 - FROM SR 7 6" WM STA. 198+00 TO STA. 213+00, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.



- NOTES:
- FROM SR 7 6" WM STA. 213+00 TO STA. 228+00 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
 - FROM SR 7 6" WM STA. 213+00 TO STA. 228+00, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 222+02	STA. 222+04		
STA. 228+00	STA. 227+08		

- NOTES:
- FROM SR 7 6" WM STA. 213+00 TO STA. 228+00 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
 - FROM SR 7 6" WM STA. 213+00 TO STA. 228+00, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.



REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

P:\PR3154\CADD\AB-LWRN\WPT.DWG 10-16-02 11:32:10 am DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH
2	REVISED PER PROPERTY SURVEY	7/01	AMH	AMH

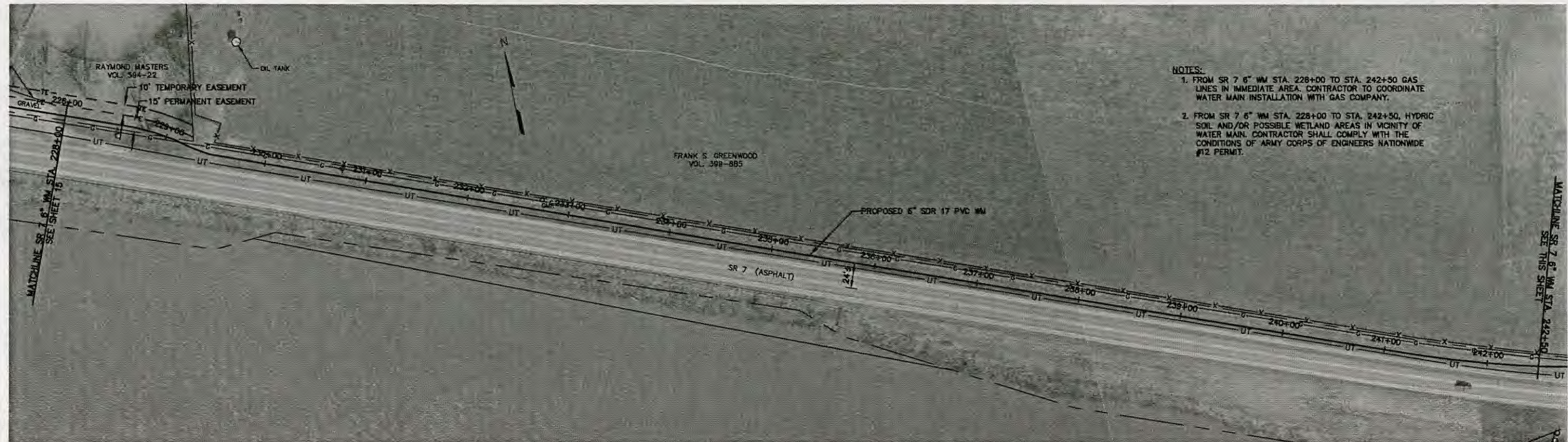
BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

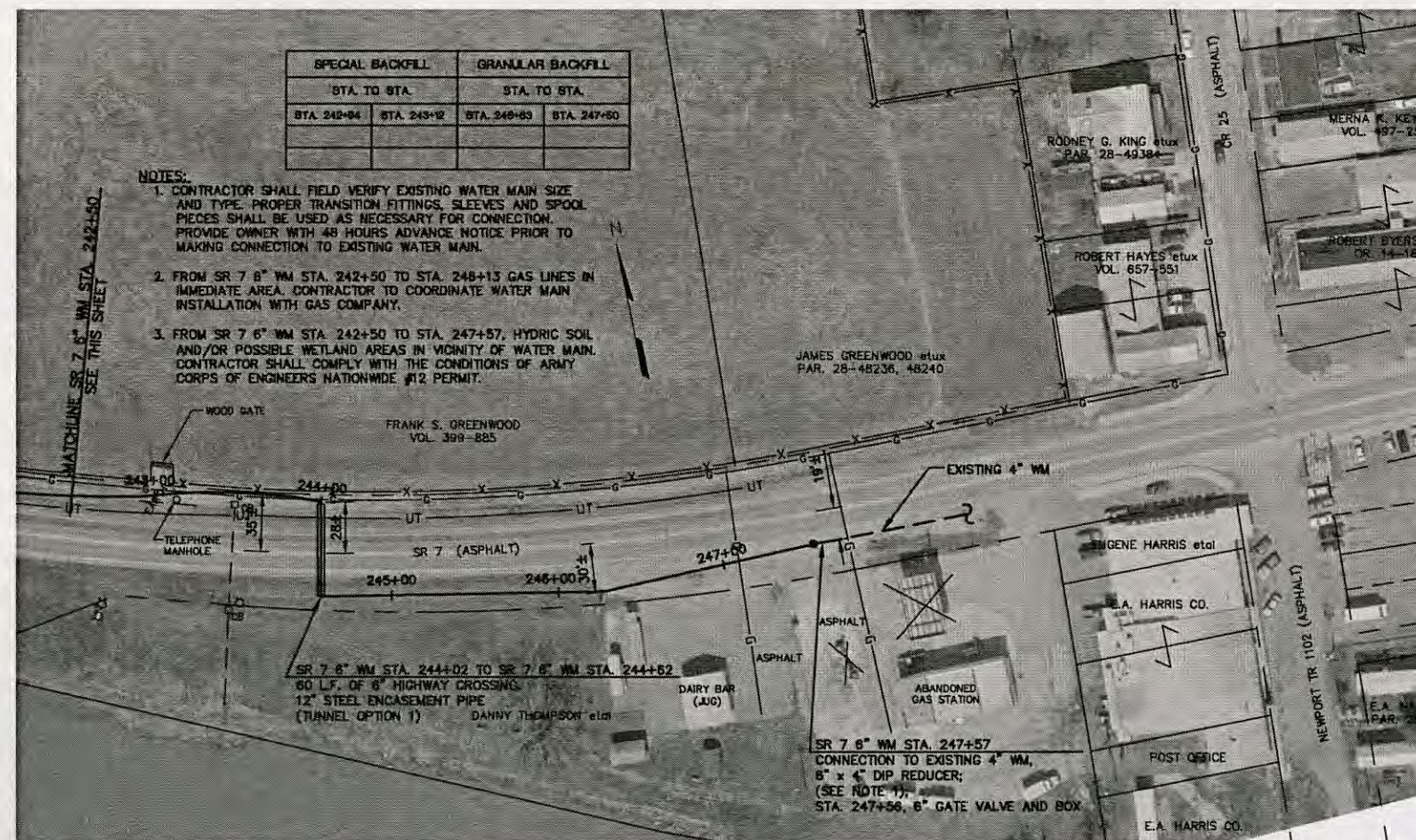
SR 7 6" WM STA. 198+00 TO STA. 228+00
SR 7 2" WM STA. 0+00 TO STA. 10+56

SCALE:	1"=50'
SHEET NO.	15
OF	42



- NOTES:
1. FROM SR 7 6" WM STA. 228+00 TO STA. 242+50 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
 2. FROM SR 7 6" WM STA. 228+00 TO STA. 242+50, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

RECEIVED
MAR 7 2017
Ohio Environmental
Protection Agency
Southeast District



REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOW HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

P:\PR31154\CADD\AB-LWR\WPT.DWG 10-16-02 11:32:10 am DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

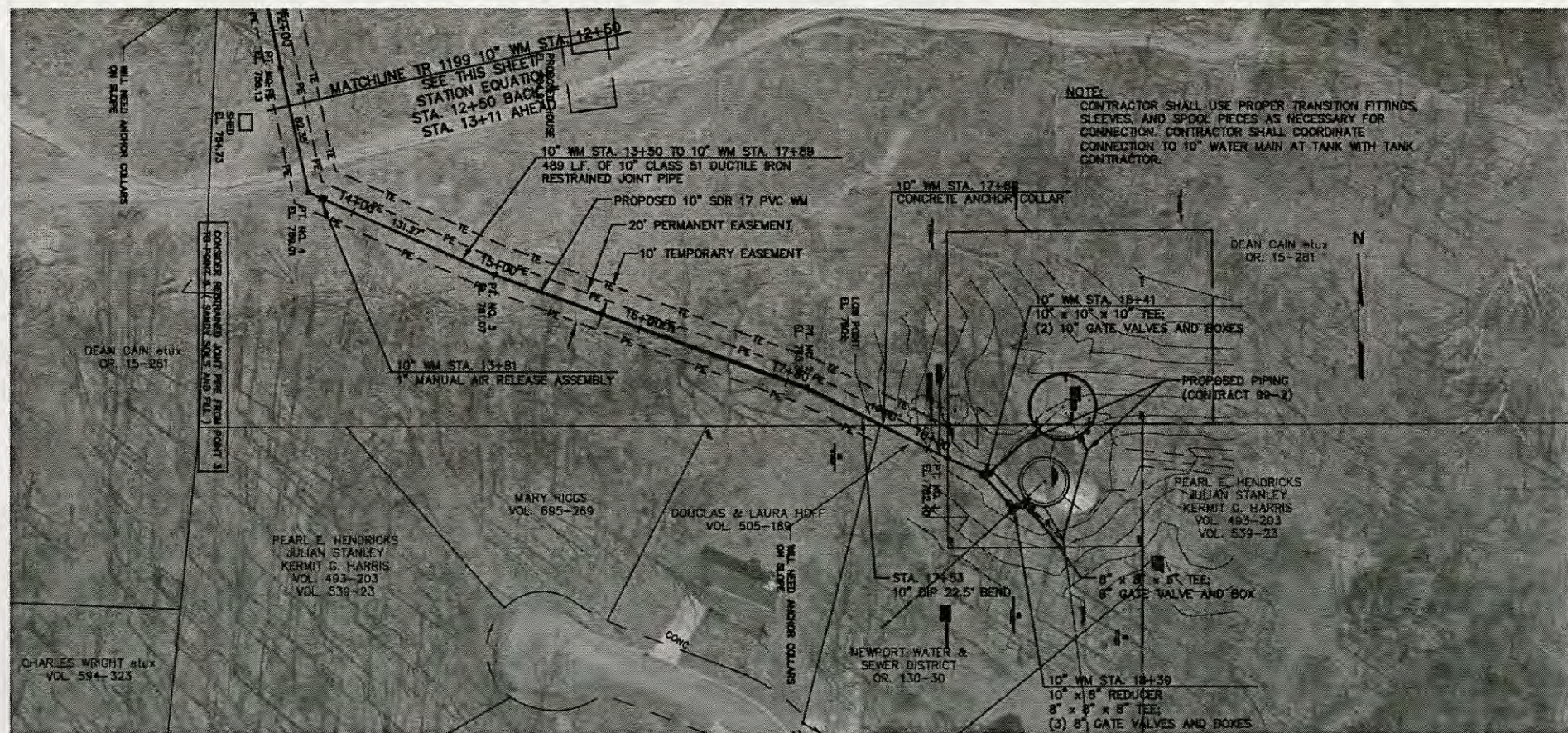
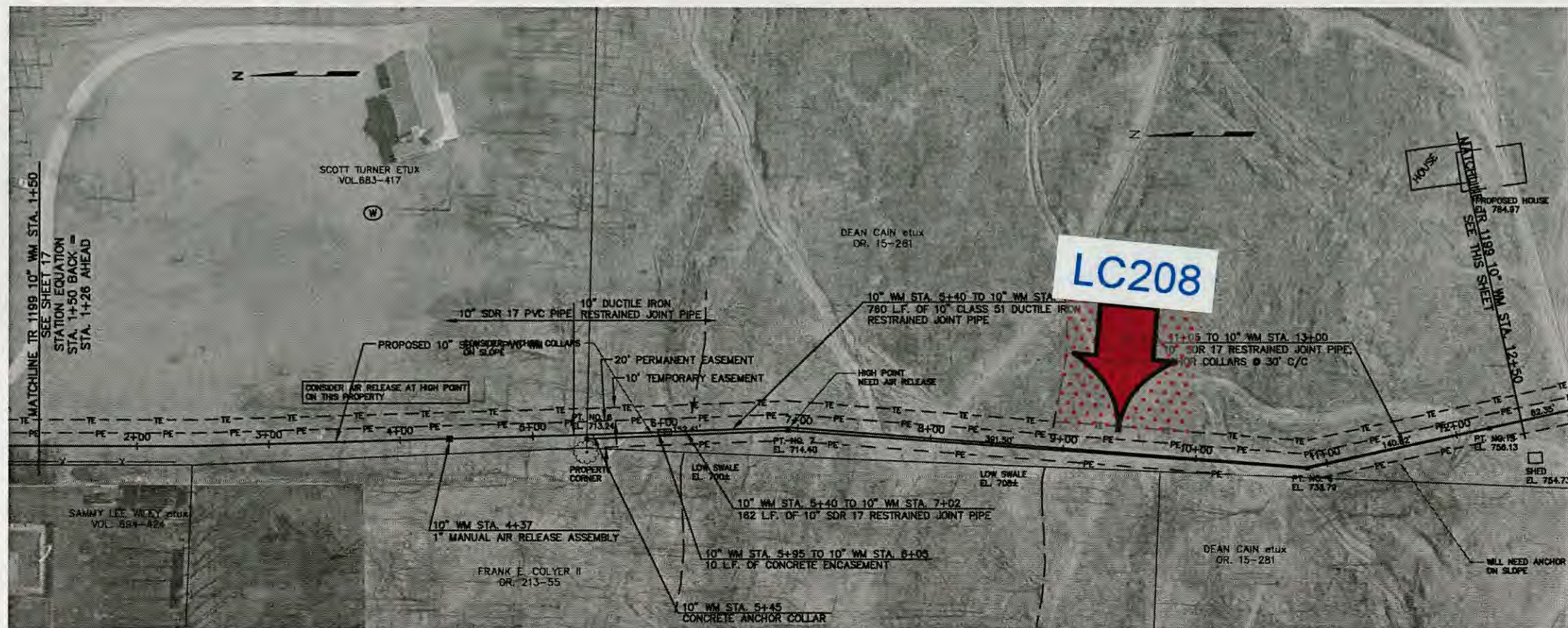
NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 6" WM STA. 228+00 TO STA. 247+57

SCALE:	1"=50'
SHEET NO.	16
OF	42

2017 MAR -7 AM 10:10



REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH
2	ADDENDUM NO. 1	12/01	AMH	CDR

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

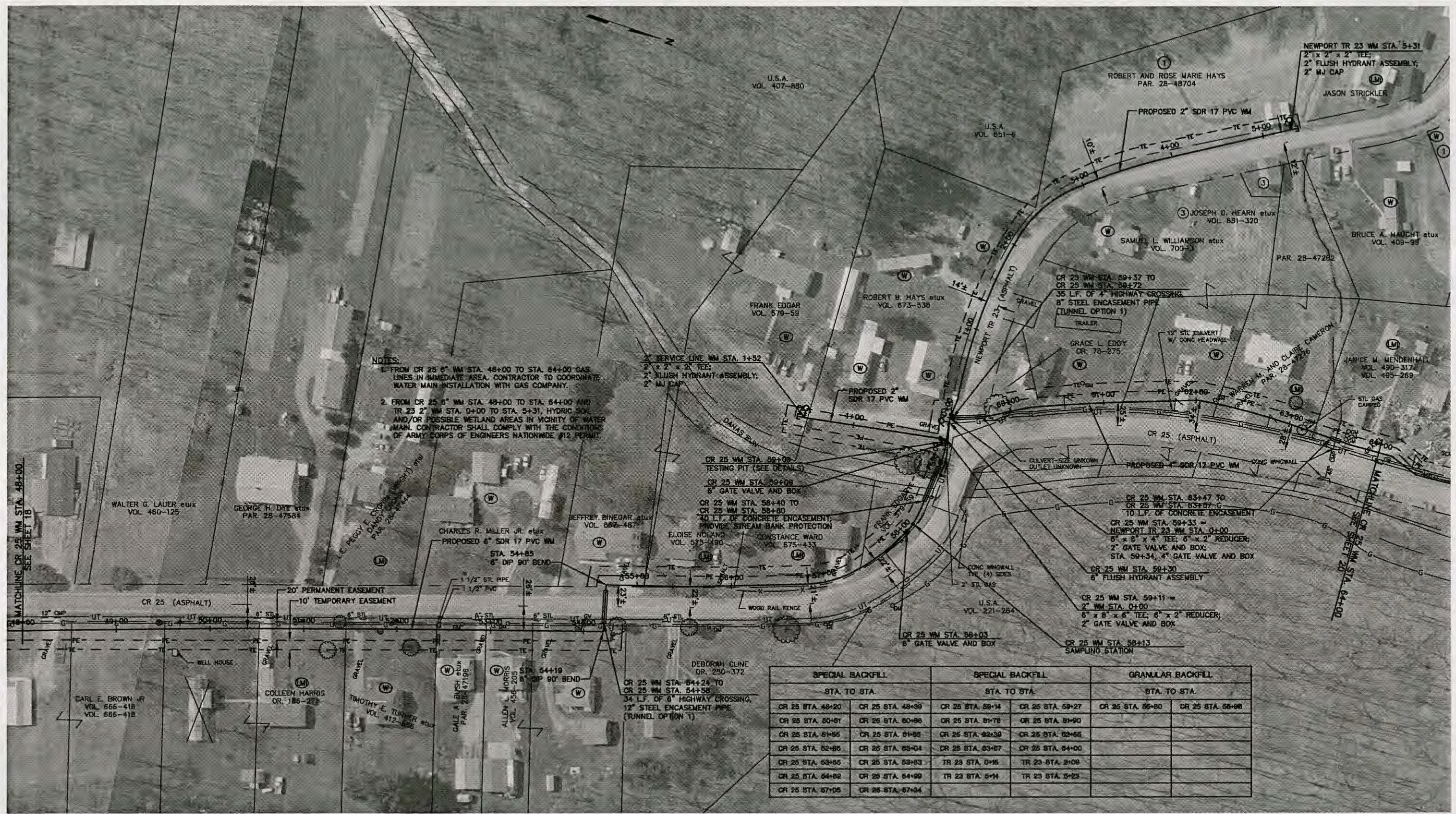
JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

10" WM STA. 2+00 TO STA. 18+23

SCALE:	1"=50'
SHEET NO.	17A
OF	42

2017 MAR -7 AM 10:11

P:\PR31154\CADD\AB-UPR\WPT.DWG 10-16-02 12:40:38 pm DYE



NOTES:
1. FROM CR 25 6" WM STA. 48+00 TO STA. 64+00 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
2. FROM CR 25 6" WM STA. 48+00 TO STA. 64+00 AND TR 23 2" WM STA. 0+00 TO STA. 5+31, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMITS.

SPECIAL BACKFILL		SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.		STA. TO STA.	
CR 25 STA. 48+20	CR 25 STA. 48+30	CR 25 STA. 58+14	CR 25 STA. 59+27	CR 25 STA. 58+80	CR 25 STA. 58+90
CR 25 STA. 60+51	CR 25 STA. 60+60	CR 25 STA. 61+70	CR 25 STA. 61+90		
CR 25 STA. 61+65	CR 25 STA. 61+85	CR 25 STA. 62+30	CR 25 STA. 62+55		
CR 25 STA. 62+85	CR 25 STA. 63+04	CR 25 STA. 63+67	CR 25 STA. 64+00		
CR 25 STA. 63+65	CR 25 STA. 63+83	TR 23 STA. 0+15	TR 23 STA. 2+00		
CR 25 STA. 64+62	CR 25 STA. 64+99	TR 23 STA. 6+14	TR 23 STA. 6+23		
CR 25 STA. 67+05	CR 25 STA. 67+34				

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOW HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

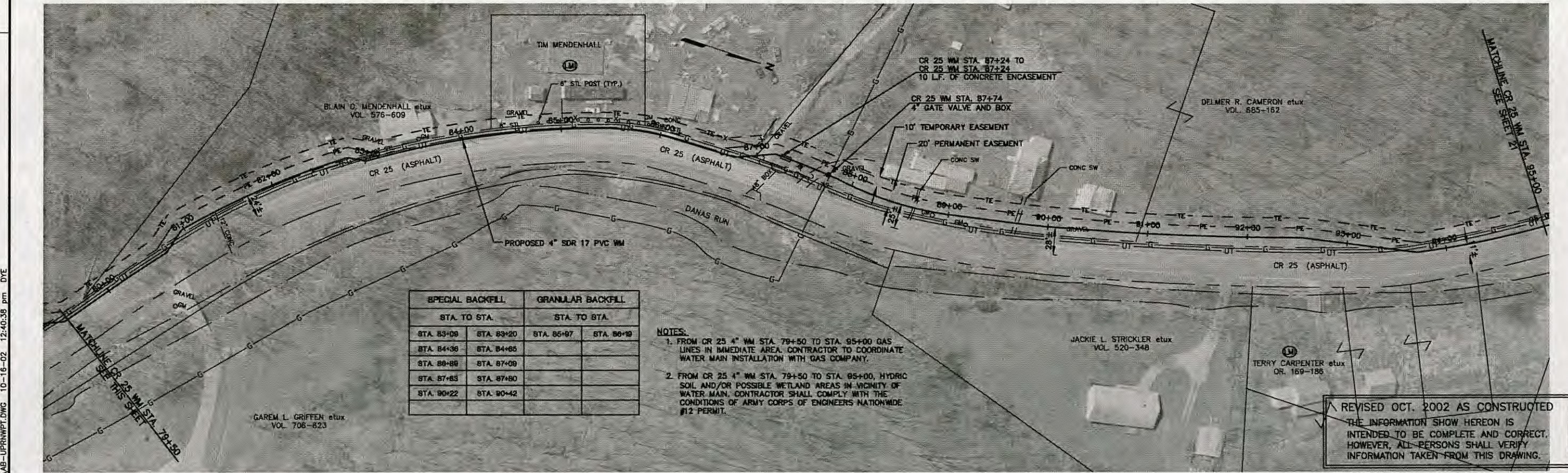
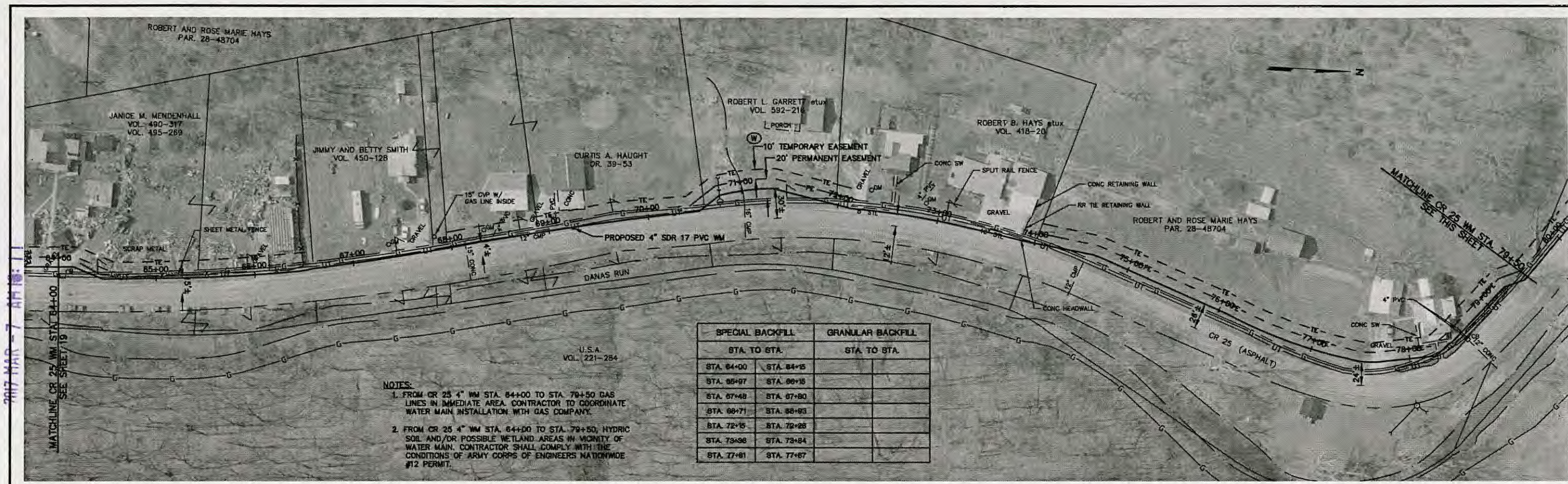
JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

CR 25 WM STA. 48+00 TO STA. 64+00
2" WM STA. 0+00 TO STA. 1+52
NEWPORT TR 23 WM STA. 0+00 TO STA. 5+31

SCALE:	1"=50'
SHEET NO.	19
OF	42

2017 MAR - 7 AMH

P:\PR3155A\CADD\AB-UPRNP\DWG 10-16-02 12:40:38 PM DYE



NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.	STA. TO STA.	STA. TO STA.	STA. TO STA.
STA. 83+08	STA. 83+20	STA. 85+97	STA. 86+19
STA. 84+36	STA. 84+65		
STA. 88+88	STA. 87+00		
STA. 87+83	STA. 87+80		
STA. 90+22	STA. 90+42		

NOTES:

1. FROM CR 25 4" WM STA. 79+50 TO STA. 95+00 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.

2. FROM CR 25 4" WM STA. 79+50 TO STA. 95+00, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

REVISD OCT. 2002 AS CONSTRUCTED THE INFORMATION SHOWN HEREON IS INTENDED TO BE COMPLETE AND CORRECT. HOWEVER, ALL PERSONS SHALL VERIFY INFORMATION TAKEN FROM THIS DRAWING.

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO. 25227
DESIGNED BY: AMH
DRAWN BY: DRD
CHECKED BY: AMH
APPROVED BY: CDR
DATE: MARCH 2001

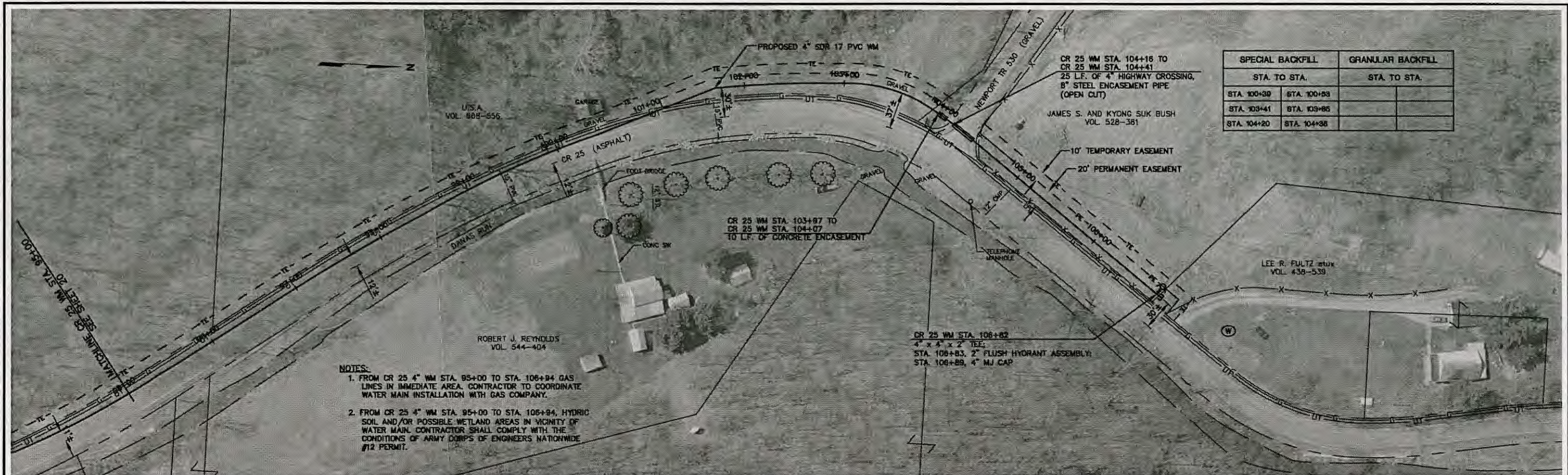
CR 25 WM STA. 64+95 TO STA. 95+00

SCALE: 1"=50'

SHEET NO.	OF
20	42

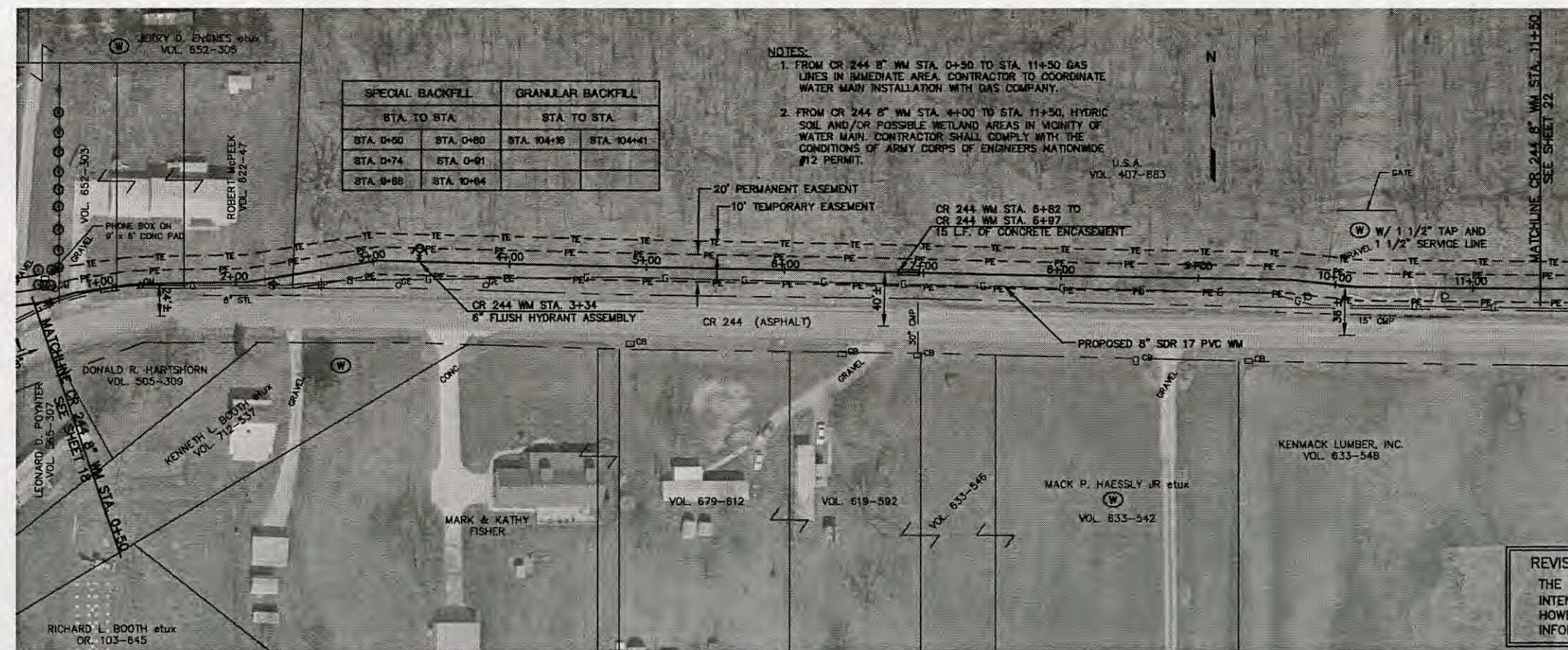
Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE



SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 100+30	STA. 100+53		
STA. 103+41	STA. 103+85		
STA. 104+20	STA. 104+36		

- NOTES:
1. FROM CR 25 4" WM STA. 95+00 TO STA. 106+94 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
 2. FROM CR 25 4" WM STA. 95+00 TO STA. 106+94, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.



SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 0+50	STA. 0+80	STA. 104+10	STA. 104+41
STA. 0+74	STA. 0+91		
STA. 9+88	STA. 10+84		

- NOTES:
1. FROM CR 244 8" WM STA. 0+50 TO STA. 11+50 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
 2. FROM CR 244 8" WM STA. 4+00 TO STA. 11+50, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

2017 MAR -7 AM 10:11

P:\PR31154\CADD\AS-UPR\NWP.DWG 10-16-02 12:40:38 pm DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

BURGESS & NIPLE

**NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1**

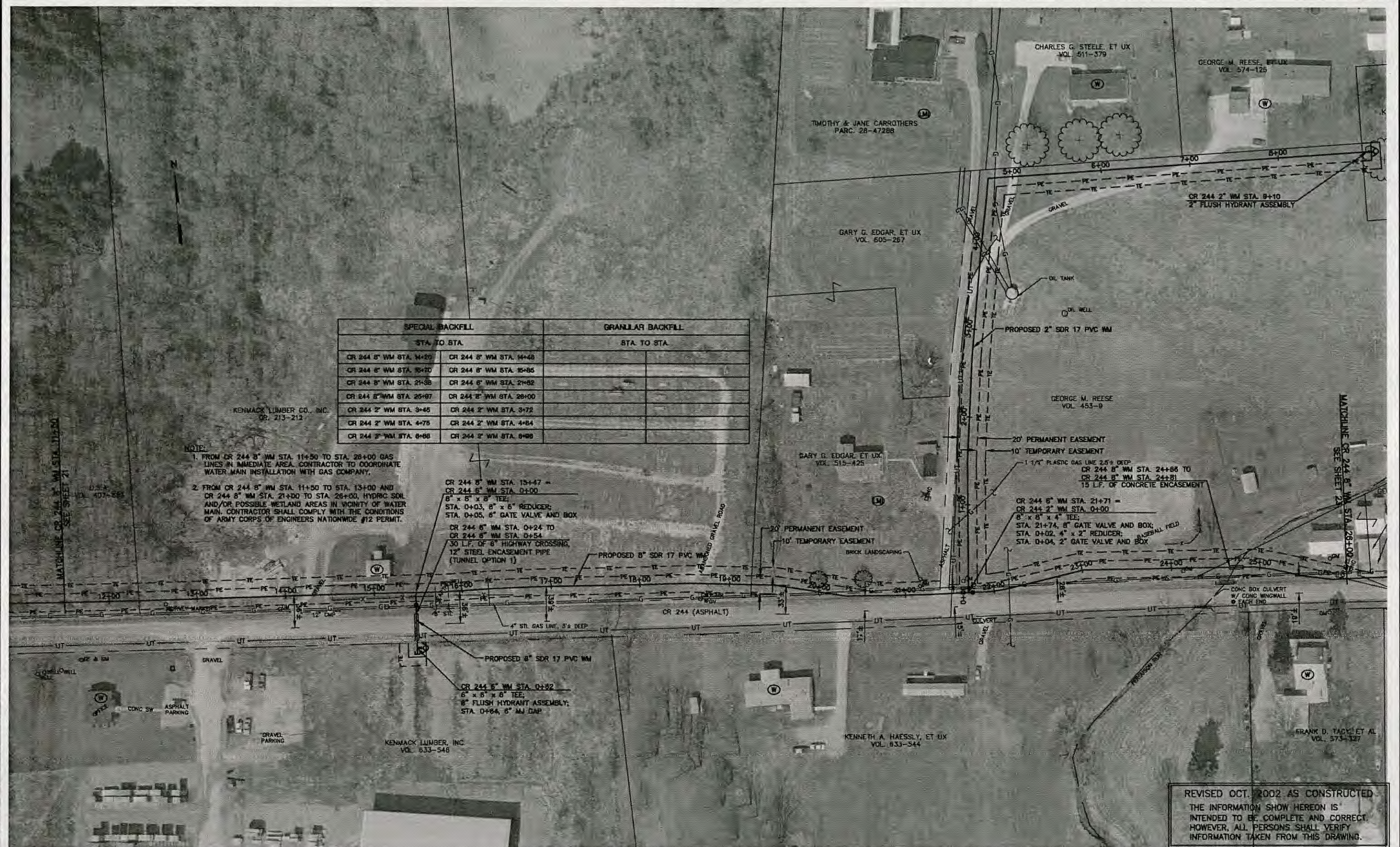
JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

CR 25 WM STA. 95+00 TO STA. 106+94
CR 244 8" WM STA. 0+50 TO STA. 11+50

SCALE:	1"=50'
SHEET NO.	21
OF	42

○
●
●
●
●

P:\PR31154\CADD\AB-372-4-3.DWG 10-21-02 11:08:27 am DYE



SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
CR 244 5" WM STA. 14+20	CR 244 5" WM STA. 14+48		
CR 244 5" WM STA. 15+70	CR 244 5" WM STA. 15+85		
CR 244 5" WM STA. 21+58	CR 244 5" WM STA. 21+82		
CR 244 5" WM STA. 25+97	CR 244 5" WM STA. 26+00		
CR 244 2" WM STA. 3+45	CR 244 2" WM STA. 3+72		
CR 244 2" WM STA. 4+75	CR 244 2" WM STA. 4+84		
CR 244 2" WM STA. 6+88	CR 244 2" WM STA. 6+88		

NOTE:

1. FROM CR 244 8" WM STA. 11+50 TO STA. 26+00 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
2. FROM CR 244 8" WM STA. 11+50 TO STA. 13+00 AND CR 244 8" WM STA. 21+00 TO STA. 26+00, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

CR 244 8" WM STA. 13+47 ~
CR 244 8" WM STA. 0+00
8" x 8" x 8" Tee;
STA. 0+03, 8" x 8" REDUCER;
STA. 0+05, 8" GATE VALVE AND BOX
CR 244 8" WM STA. 0+24 TO
CR 244 8" WM STA. 0+54
30 L.F. OF 8" HIGHWAY CROSSING,
12" STEEL ENCASEMENT PIPE
(TUNNEL OPTION 1)

CR 244 6" WM STA. 0+82
6" x 6" x 8" TEE;
6" FLUSH HYDRANT ASSEMBLY;
STA. 0+84, 6" MJ CAP

CHARLES G. STEELE ET UX
VOL. 511-579

GEORGE M. REESE, ET AL.
VOL. 574-125

TIMOTHY & JANE CARROTHERS
PARC. 28-47288

GARY G. EDGAR, ET UX
VOL. 505-267

GEORGE M. REESE
VOL 453-0

GARY B. EDGAR ET UX
VIN 515-425

CR 244 6" WM STA. 21+71 =
CR 244 2" WM STA. 0+00
8" x 8" x 4" TEE;
STA. 21+74, 6" GATE VALVE AND BOX;
STA. 0+02, 4" x 2" REDUCER;
STA. 0+04, 2" GATE VALVE AND BOX

FRANK D. TACK ET AL
VOL. 573-127

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

CR 244 8" WM STA. 11+50 TO STA. 26+00
CR 244 2" WM STA. 0+00 TO STA. 8+61
CR 244 6" WM STA. 0+00 TO STA. 0+52

SCALE:	
1" = 50'	
SHEET NO.	OF
22	42

P:\PR31154\CADD\AB-372-4-3.DWG 10-21-02 11:08:27 am DYE



NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

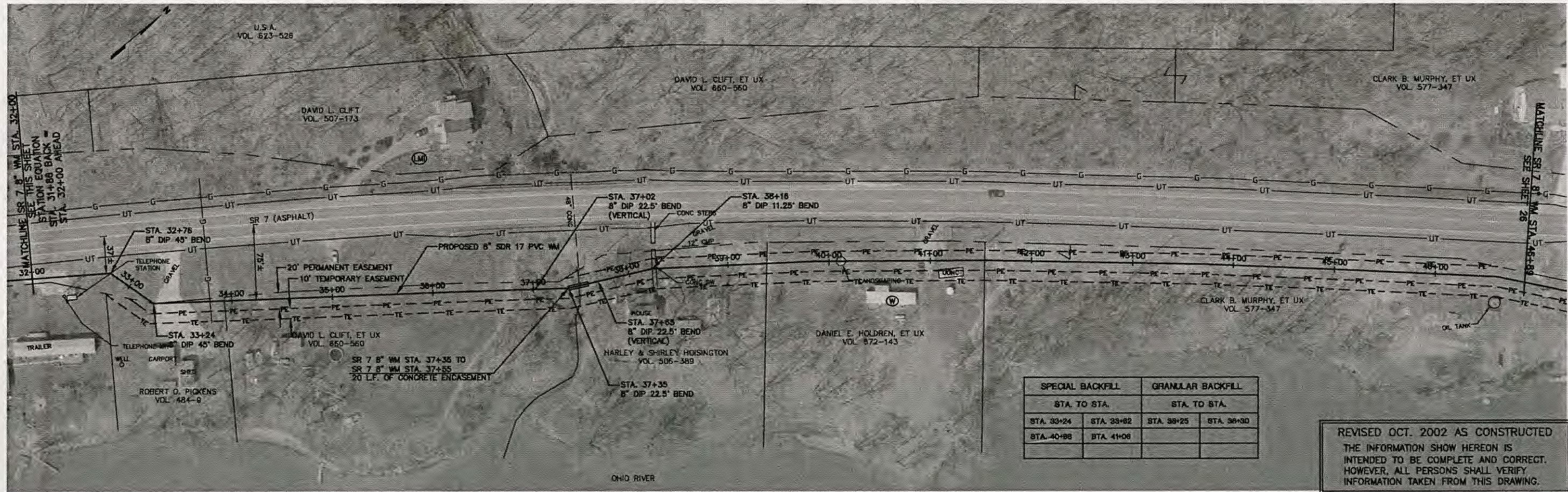
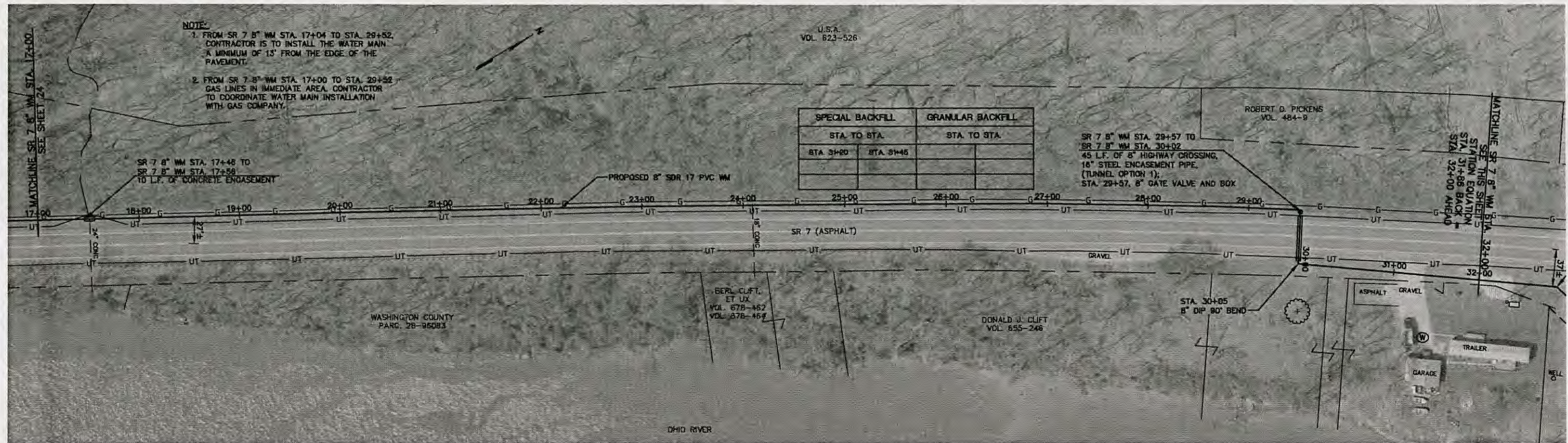
Burgess & Niple, Limited PARKERSBURG, WV

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

CR 244 8" WM STA. 26+00 TO STA. 40+00
CR 244 2" WM STA. 0+00 TO STA. 4+68

SCALE:	
1" = 50'	
SHEET NO.	OF
23	42

2017 MAR -7 AM 10:12



SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
STA. 33+24	STA. 33+32	STA. 38+25	STA. 38+30
STA. 40+88	STA. 41+08		

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.

Burgess & Niple, LimitedPARKERSBURG, WV



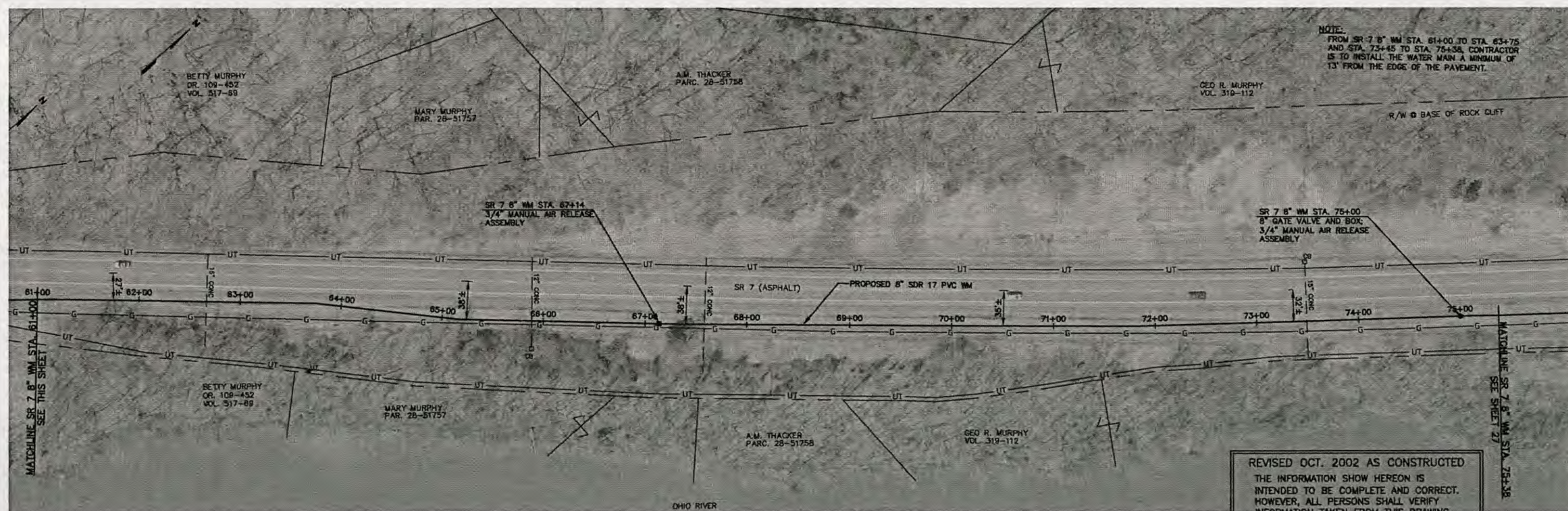
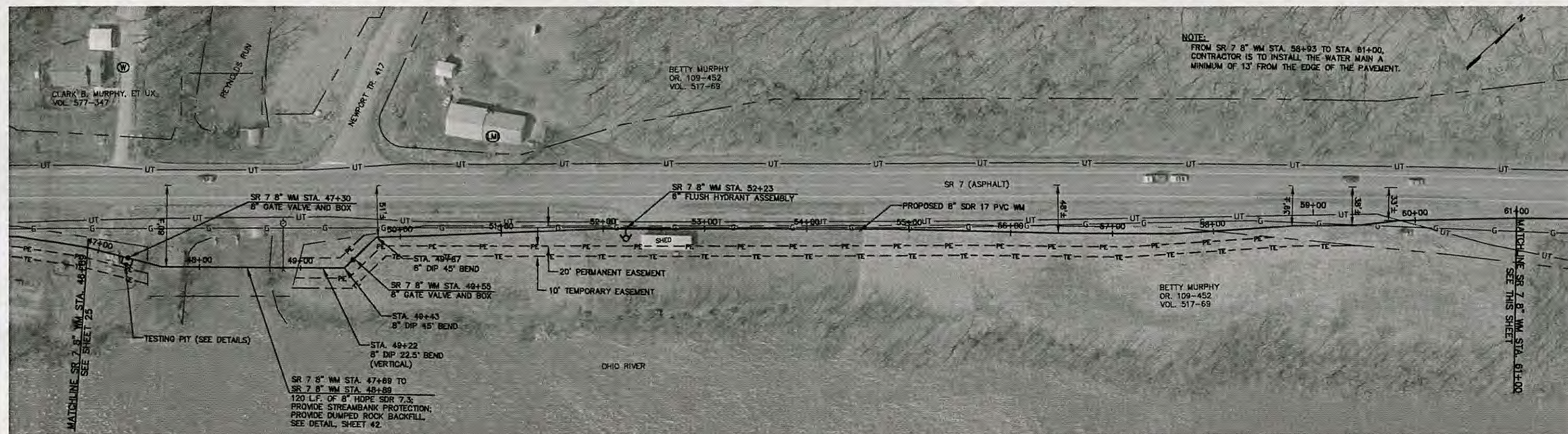
NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 8" WM STA. 17+00 TO STA. 46+89

SCALE:	1" = 50'
SHEET NO.	25
OF	42

2017 MAR -7 AM 10:12



REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.

Burgess & Niple, Limited PARKERSBURG, WV

BURGESS & NIPLE

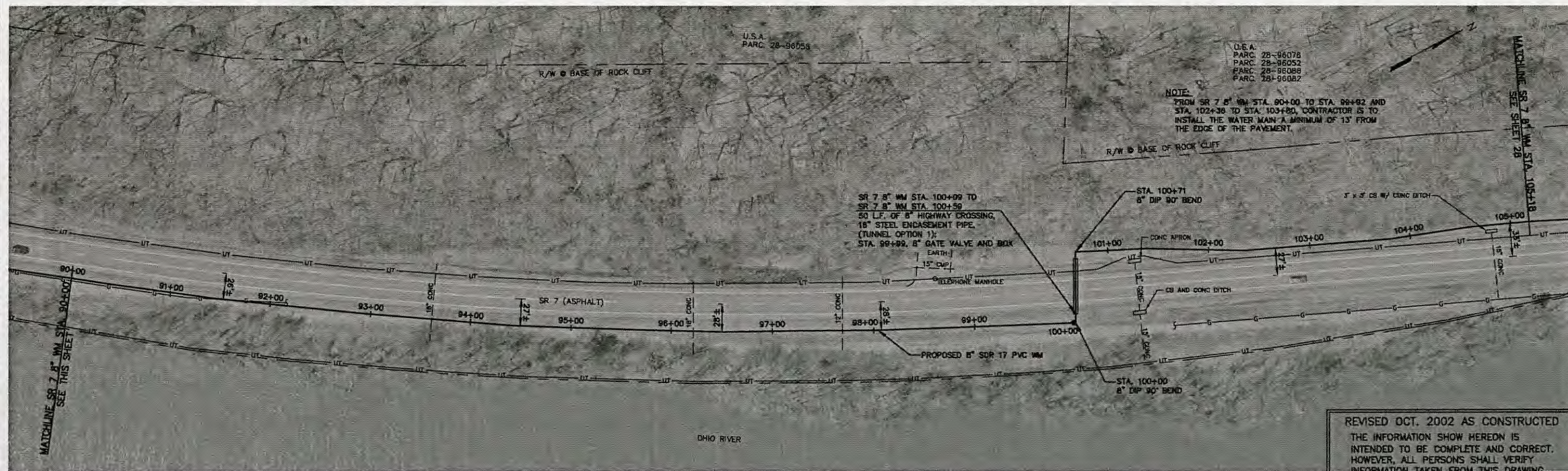
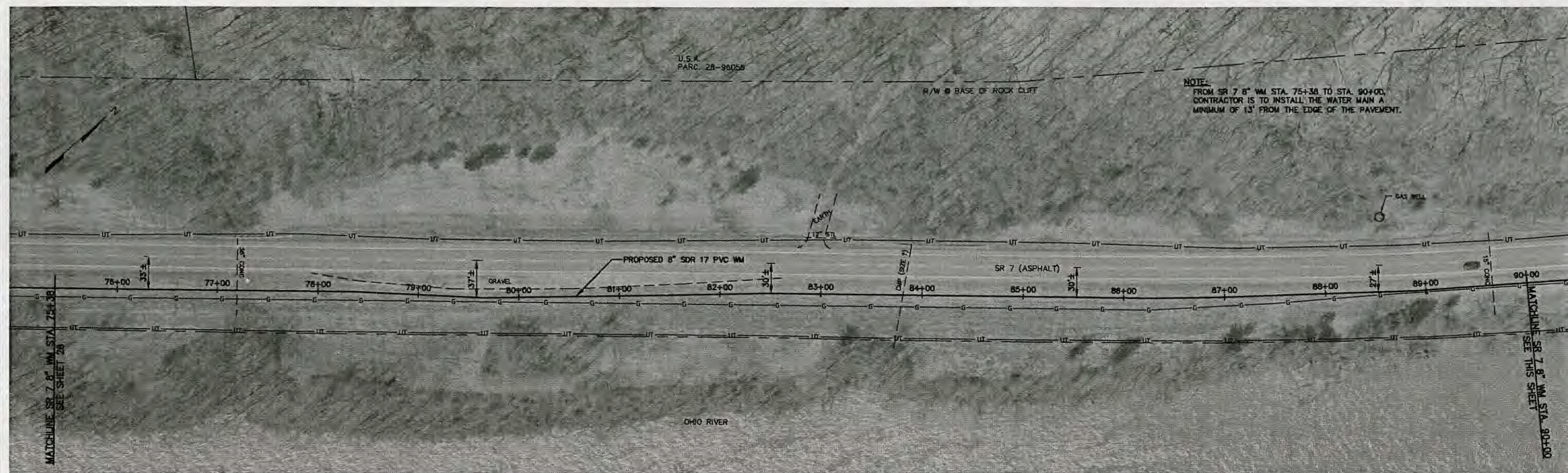
NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO. 25227
DESIGNED BY: AMH
DRAWN BY: DRD
CHECKED BY: AMH
APPROVED BY: CDR
DATE: MARCH 2001

SR 7 8" WM STA. 46+89 TO STA. 75+38

SCALE:
1" = 50'
SHEET NO. 26 OF 42

2017 MAR -7 AM 10:12



REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

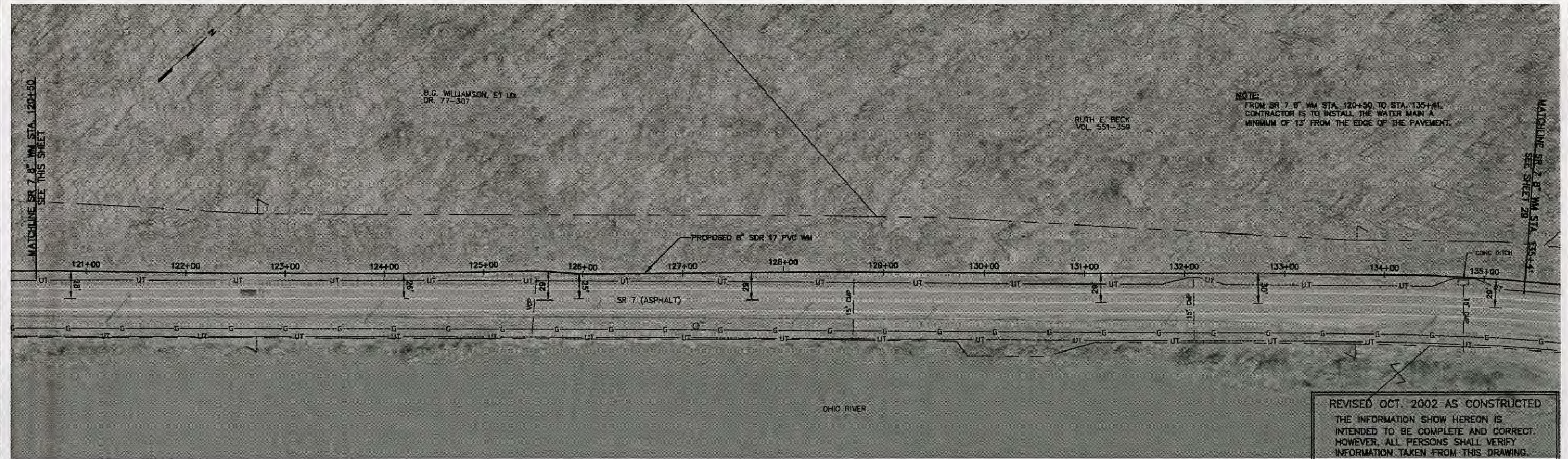
NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 8 inch WM STA. 75+38 TO STA. 105+18

SCALE:	1" = 50'
SHEET NO.	27
OF	42

P:\PR31154\CADD\AB-372-2-21.DWG 10-23-02 1:38:05 pm DYE



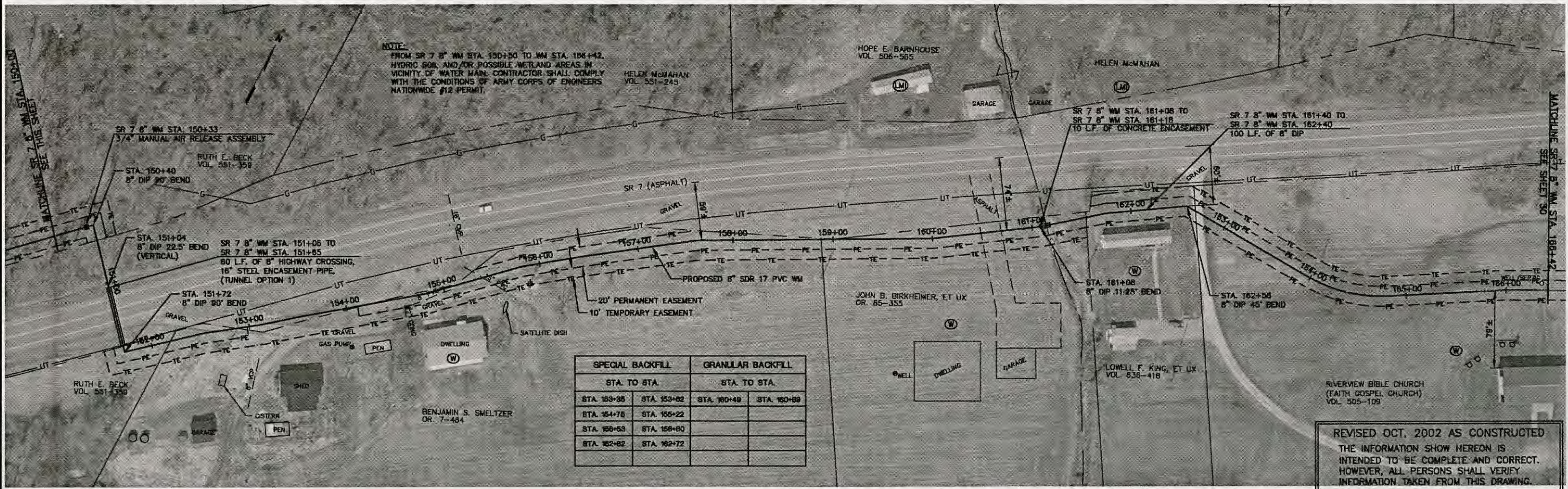
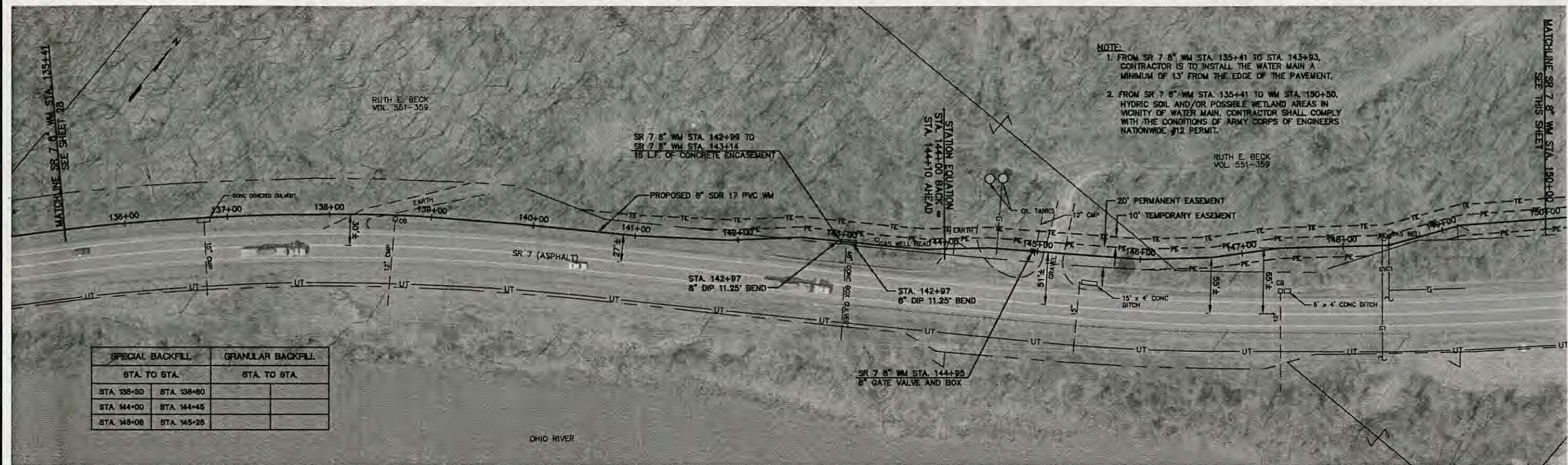
BURGESS & NIPLE

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SCALE:
1" = 50'

SHEET NO.	OF
28	42

2017 MAR -7 AM 10:12



NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

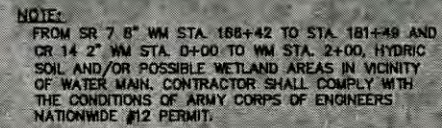
NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 8" WM STA. 135+41 TO STA. 166+42

SCALE:	1" = 50'
SHEET NO.	29
OF	42

P:\PR31154\CADD\AB-372-2-15.DWG 10-23-02 3:13:50 pm DYE



SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
CR 14 STA. 2+81	CR 14 STA. 4+06		
SR 7 STA. 179+50	SR 7 STA. 179+70		

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, Limited PARKERSBURG, WV

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

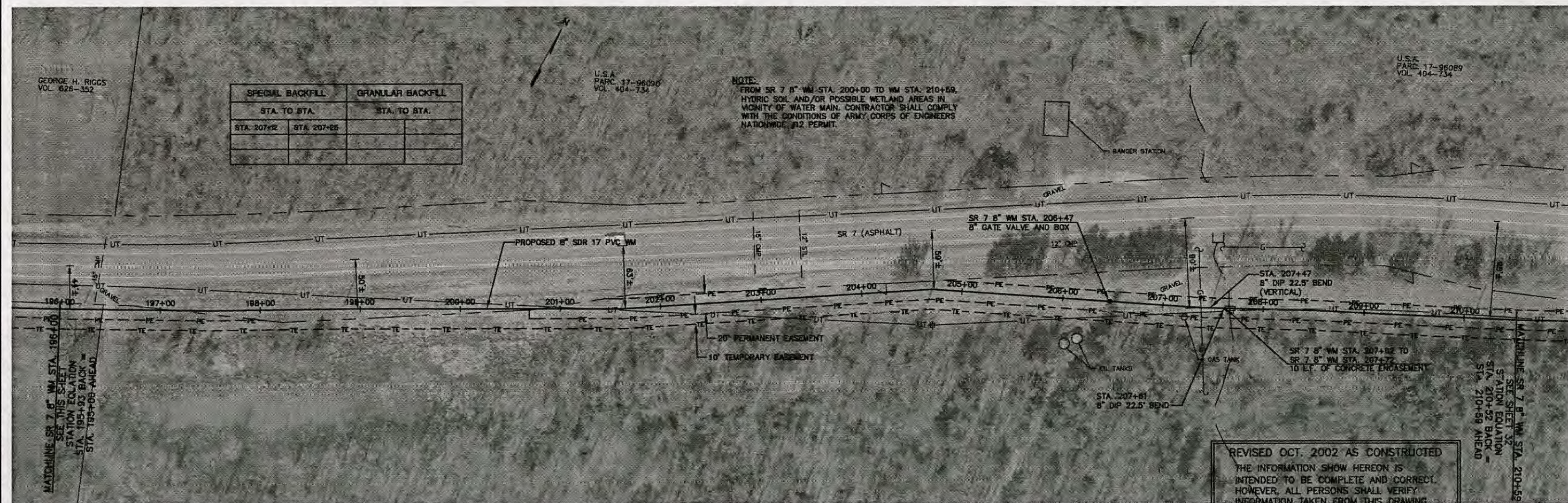
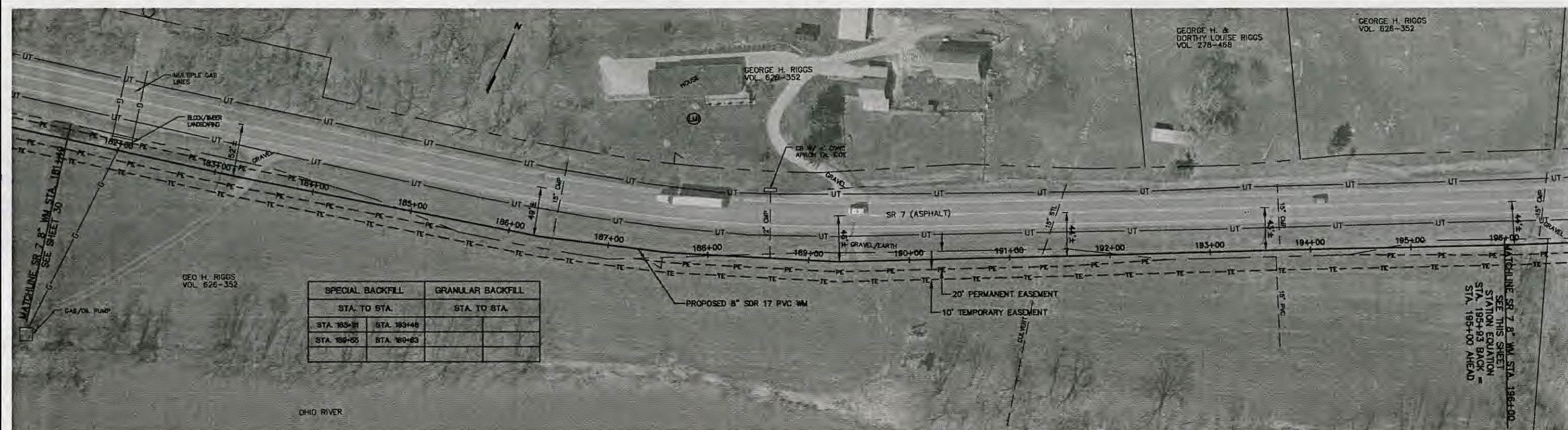
JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 8" WM STA. 166+42 TO STA. 181+49
CR 14 2" WM STA. 0+00 TO STA. 5+68

SCALE:
 $1'' = 50'$

SHEET NO.	OF
30	42

2017 MAR -7 AM 12:12



P:\PR31154\CADD\AB-372-2-11.DWG 10-24-02 12:38:12 pm DYE

NO.	REVISIONS	DATE	BY	CHK.

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

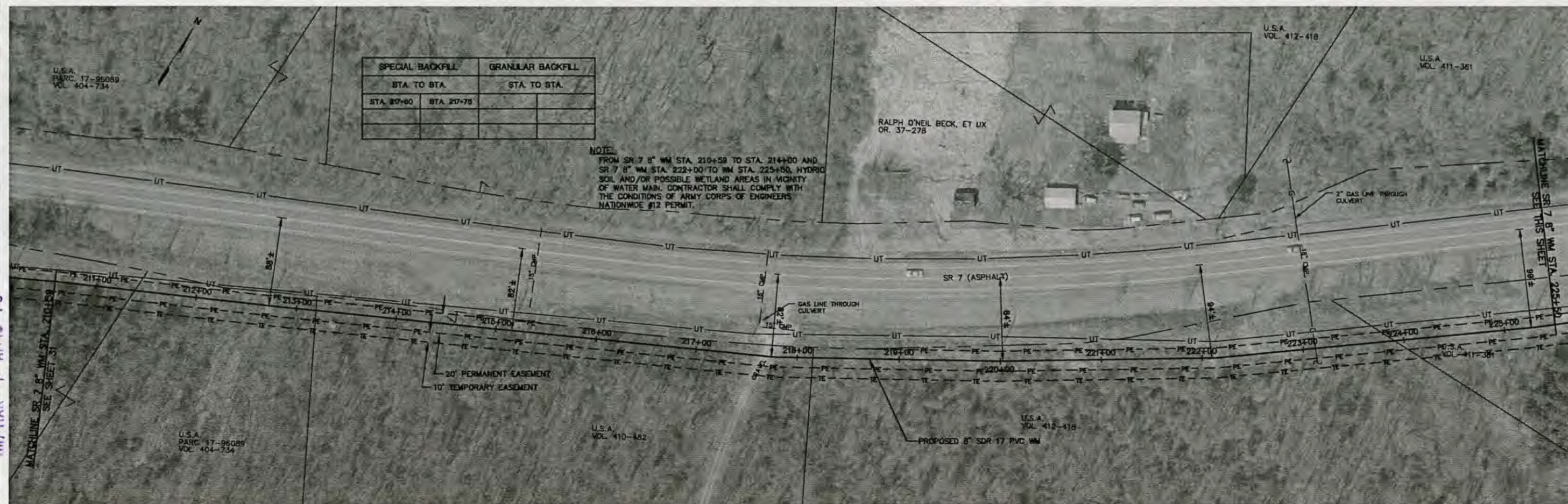
JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 8" WM STA. 181+49 TO STA. 210+59

SCALE:	1" = 50'
SHEET NO.	31
OF	42

2017 MAR 7 AM 10:13

P:\PR31154\CADD\AB-372-2-09.DWG 10-24-02 1:30:38 PM DYE



REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV

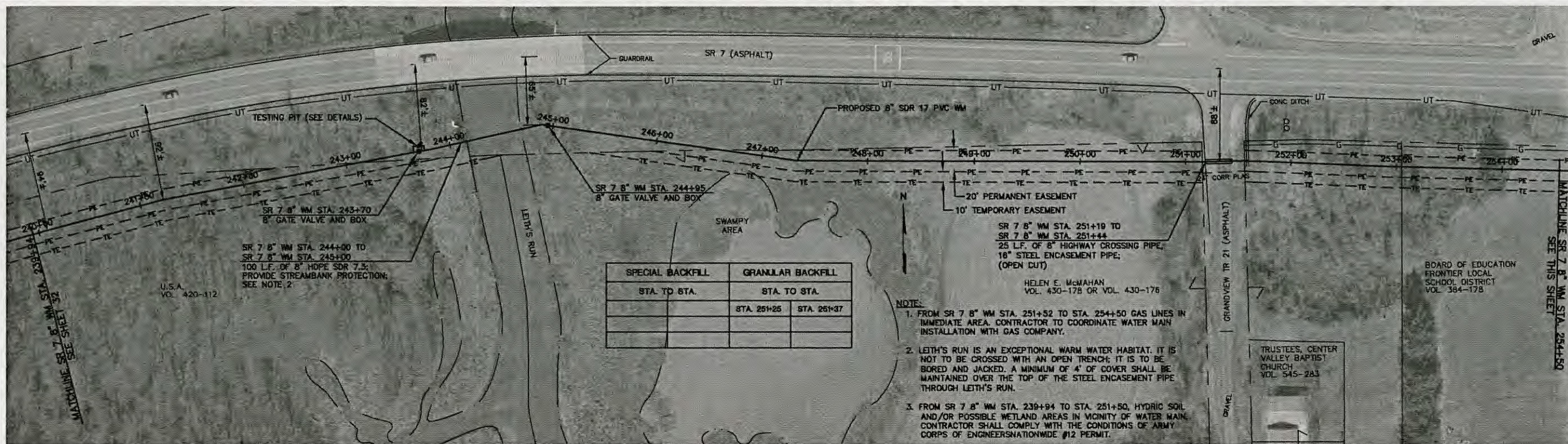
BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 8" WM STA. 210+59 TO STA. 239+94

SCALE:	1" = 50'
SHEET NO.	32
OF	42



SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
		STA. 251+25	STA. 251+37

- NOTE:
- FROM SR 7 8" WM STA. 251+52 TO STA. 254+50 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
 - LEITH'S RUN IS AN EXCEPTIONAL WARM WATER HABITAT. IT IS NOT TO BE CROSSED WITH AN OPEN TRENCH; IT IS TO BE BORED AND JACKED. A MINIMUM OF 4' OF COVER SHALL BE MAINTAINED OVER THE TOP OF THE STEEL ENCASEMENT PIPE THROUGH LEITH'S RUN.
 - FROM SR 7 8" WM STA. 239+94 TO STA. 251+50, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.



LC211

2017 MAR -7 AM 10:13

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, Limited PARKERSBURG, WV

BURGESS & NIPLE

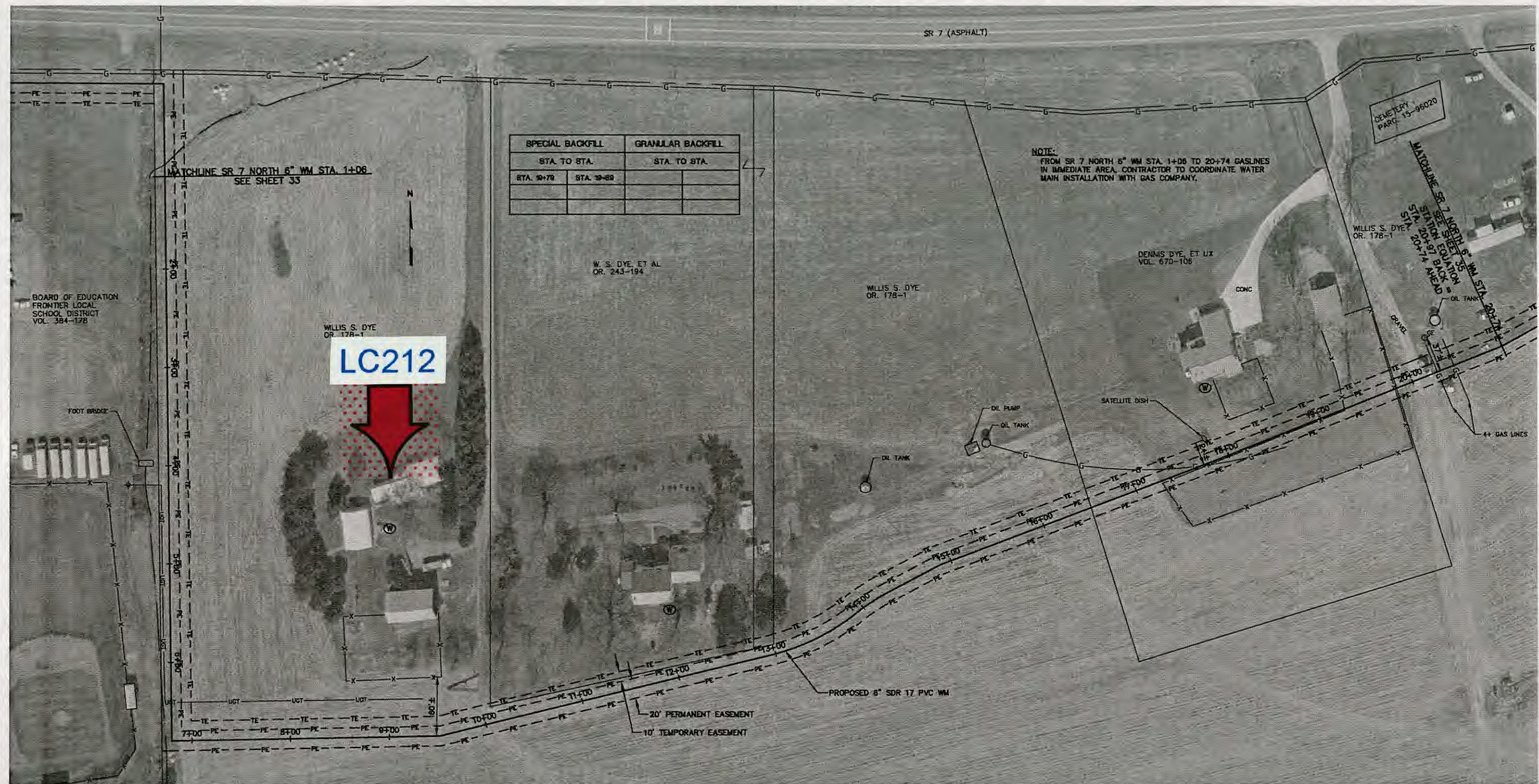
NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 8" WM STA. 239+94 TO STA. 263+18
SR 7 NORTH 6" WM STA. 0+00 TO STA. 1+06

SCALE:	1" = 50'
SHEET NO.	33
OF	42

2017 MAR -7 AM 18:13



REVISED OCT. 2002 AS CONSTRUCTED

THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.

Burgess & Niple, Limited PARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

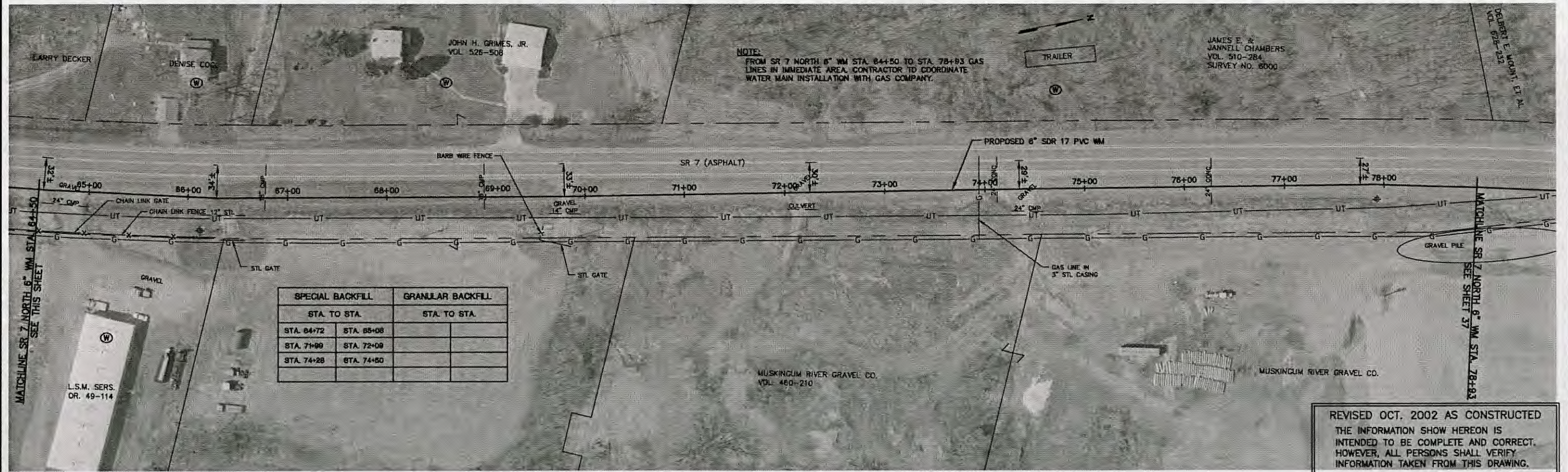
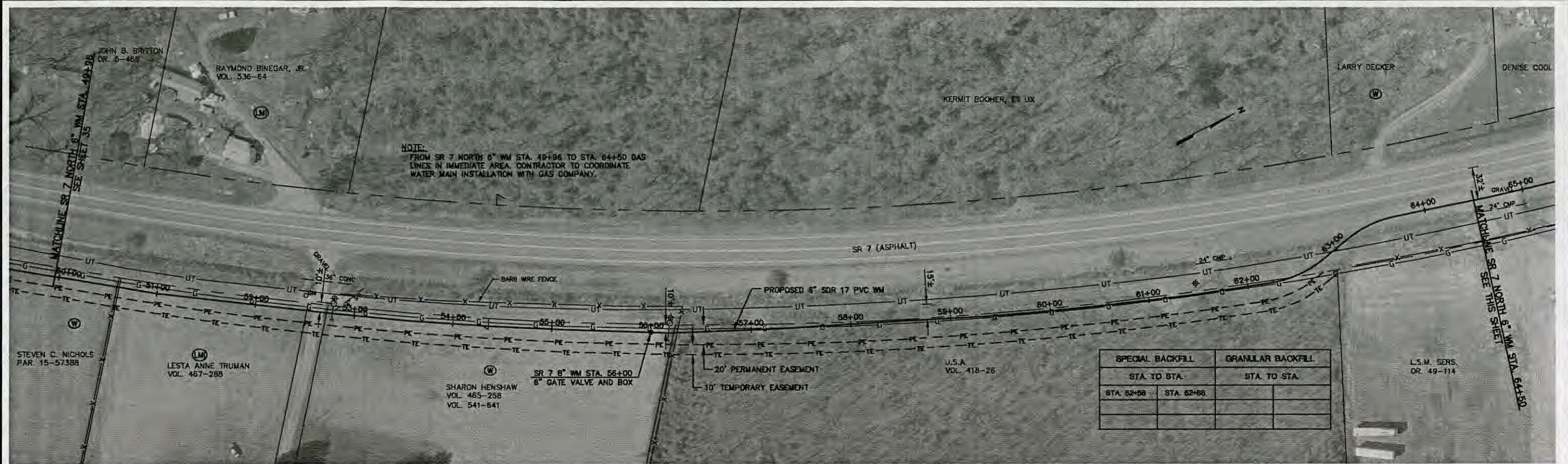
SR 7 NORTH 6" WM STA. 1+06 TO STA. 20+74

SCALE:
 $1'' = 50'$

SHEET NO.	OF
34	42

STANDARD

2017 MAR -7 AM 10:13



REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.

Burgess & Niple, LimitedPARKERSBURG, WV

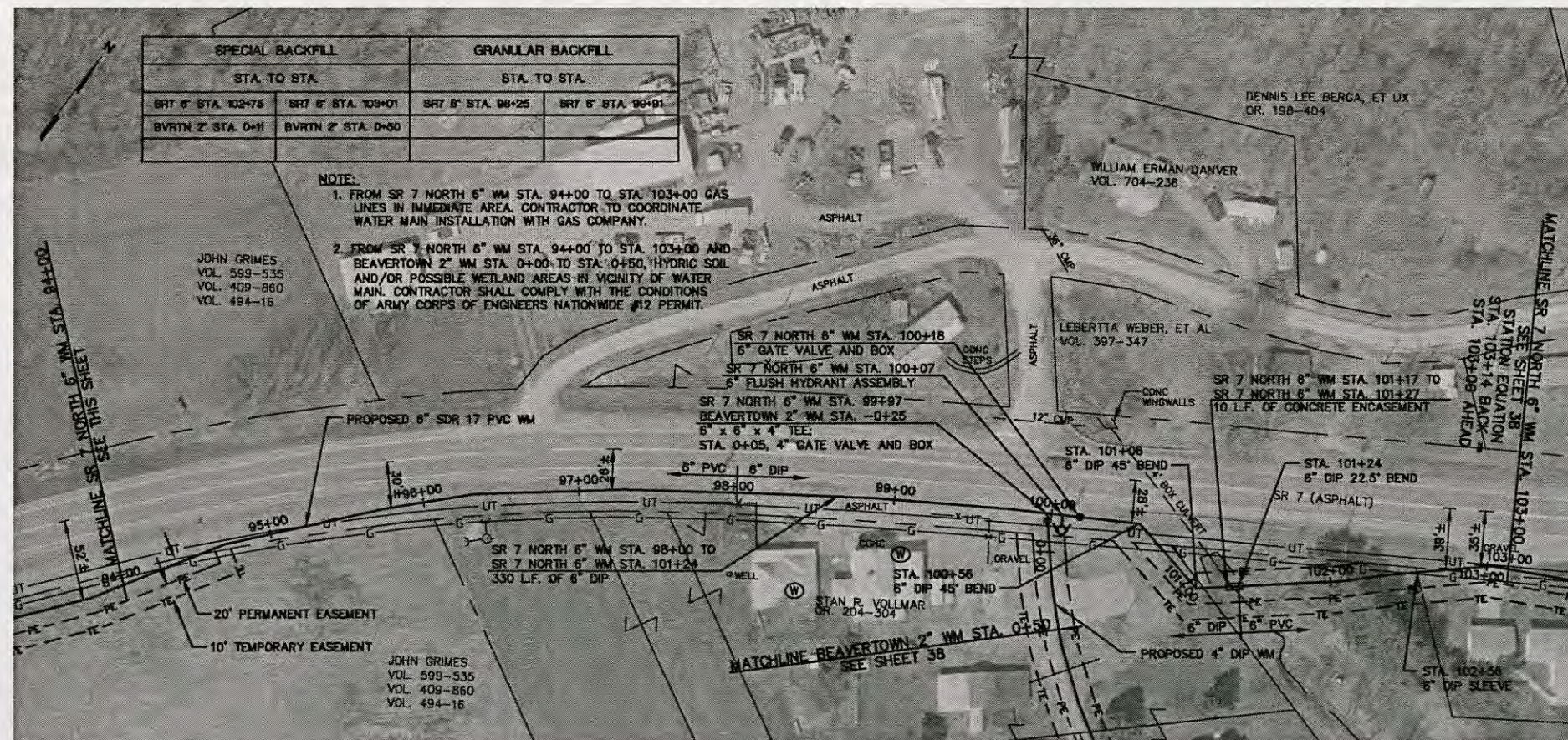
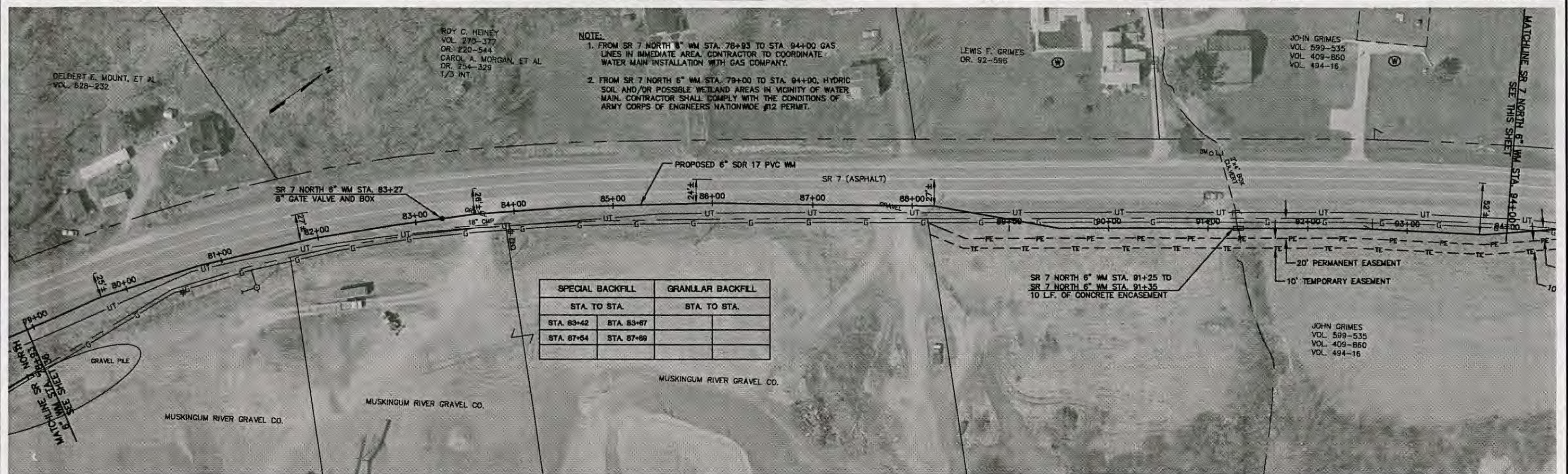
BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 NORTH 6" WM STA. 49+96 TO STA. 78+93

SCALE:	1" = 50'
SHEET NO.	36
OF	42



REVISED OCT. 2002 AS CONSTRUCTED THE INFORMATION SHOW HEREON IS INTENDED TO BE COMPLETE AND CORRECT. HOWEVER, ALL PERSONS SHALL VERIFY INFORMATION TAKEN FROM THIS DRAWING.

2017 MAR -7 AM 10:13

P:\PR3154\CADD\AB-372-1-25.DWG 11-6-02 2:55:45 pm DYE

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, Limited PARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 NORTH 6" WM ST. 78+93 TO STA. 103+00
BEAVERTOWN 2" WM STA. 0+00 TO STA. 0+50

SCALE:	1" = 50'
SHEET NO.	37
OF	42

2017 MAR -7 AM 18:13



- NOTES:
1. FROM SR 7 NORTH 6" WM STA. 944+00 TO STA. 103+00 GAS LINES IN IMMEDIATE AREA. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH GAS COMPANY.
 2. FROM TR 598 S STA. 28+13 TO STA. 30+79, CONTRACTOR TO PAVE TRENCH, FOLLOW BY THE ENTIRE WIDTH OF THE ROAD TO BE OVERLAID WITH A 1 1/2" ASPHALT COAT.
 3. FROM SR 7 NORTH WM STA. 103+00 TO STA. 112+05, BEAVERTOWN 2" WM STA. 0+50 TO STA. 5+81, AND TR 598 SOUTH 4" WM STA. 28+13 TO STA. 30+79, HYDRIC SOIL AND/OR POSSIBLE WETLAND AREAS IN VICINITY OF WATER MAIN. CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ARMY CORPS OF ENGINEERS NATIONWIDE #12 PERMIT.

SPECIAL BACKFILL		GRANULAR BACKFILL	
STA. TO STA.		STA. TO STA.	
SR7 6" STA. 107+00	SR7 6" STA. 108+00	SR7 6" STA. 105+05	SR7 6" STA. 106+08
SR7 6" STA. 109+17	SR7 6" STA. 109+28	TR 598 STA. 29+84	TR 598 STA. 29+50
SVRTH 2" STA. 5+82	SVRTH 2" STA. 5+78		

REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

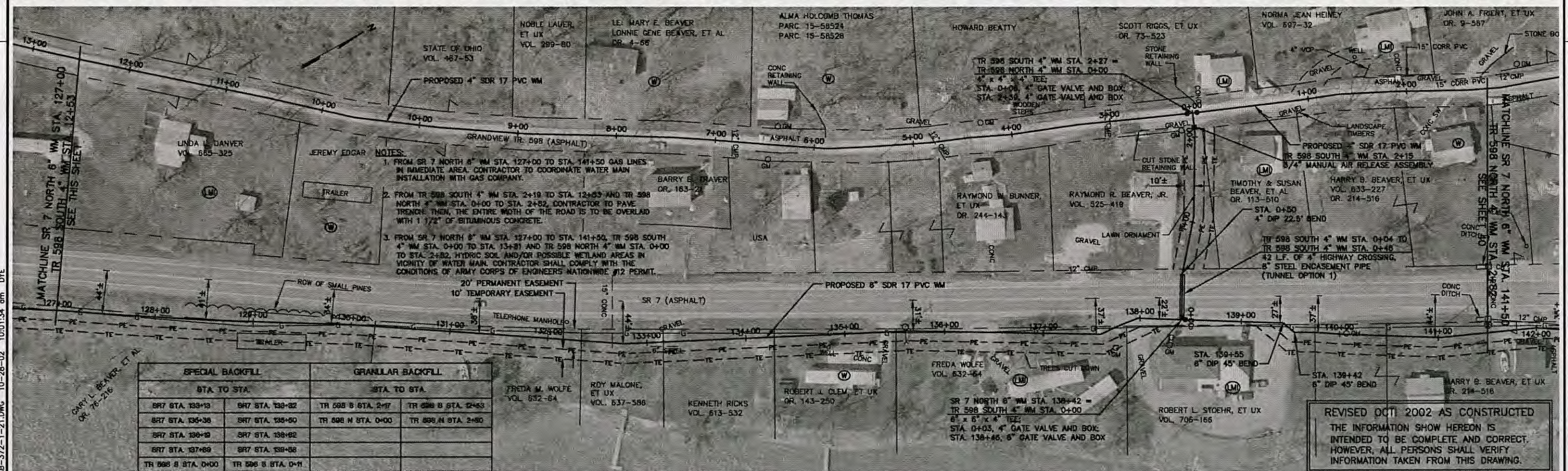
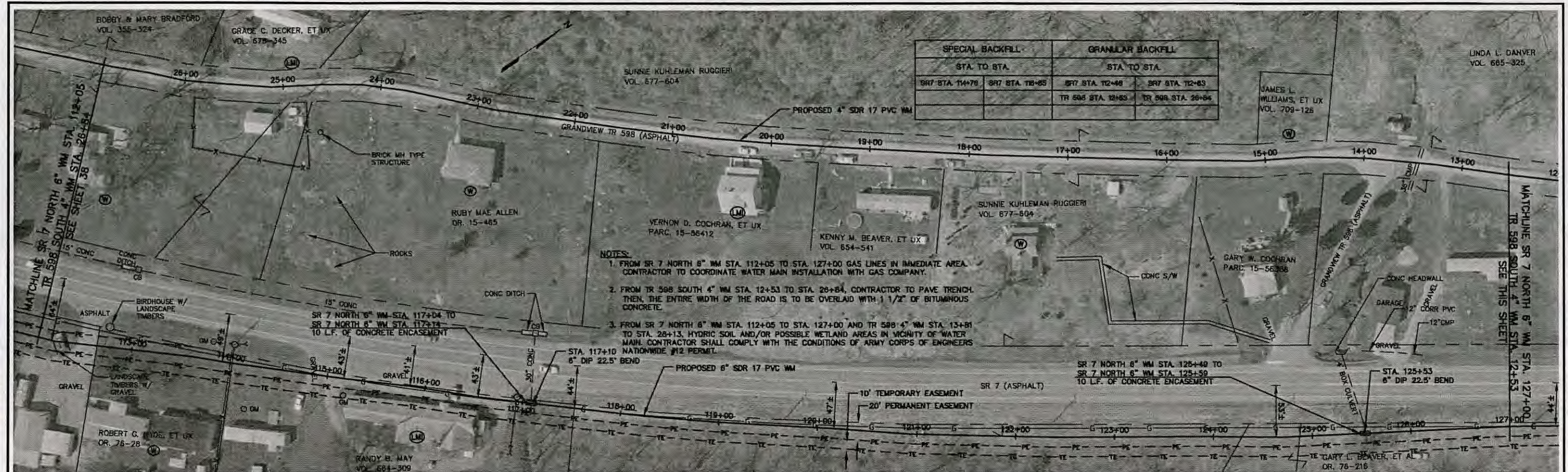
NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 N 6" WM STA. 103+00 TO STA. 112+05
BEAVERTOWN 2" WM STA. 0+50 TO STA. 5+81
TR 598 S 4" WM STA. 28+13 TO STA. 30+79

SCALE:	1" = 50'
SHEET NO.	38
OF	42

2017 MAR - 7 AM 10:13



REVISED OCT 2002 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

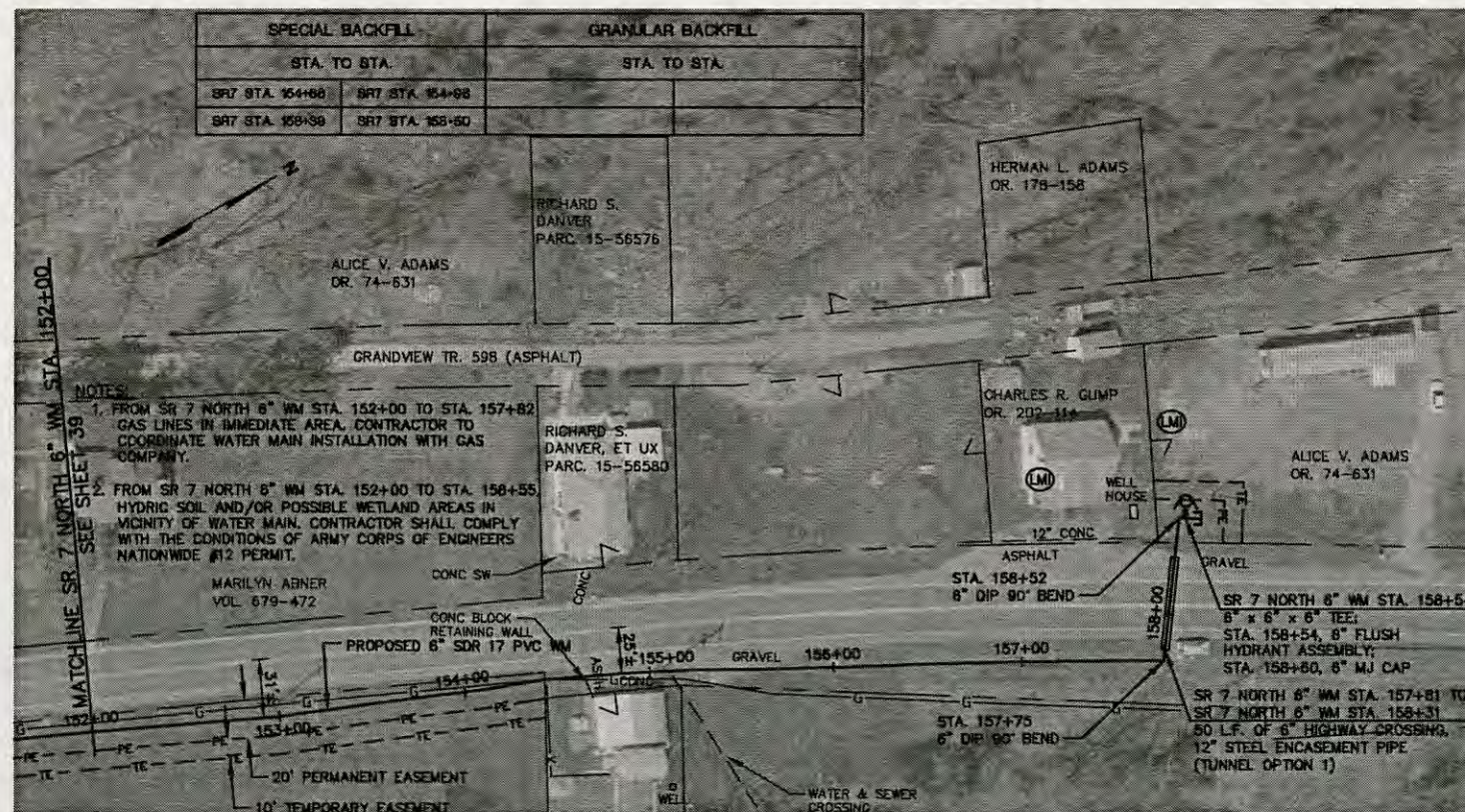
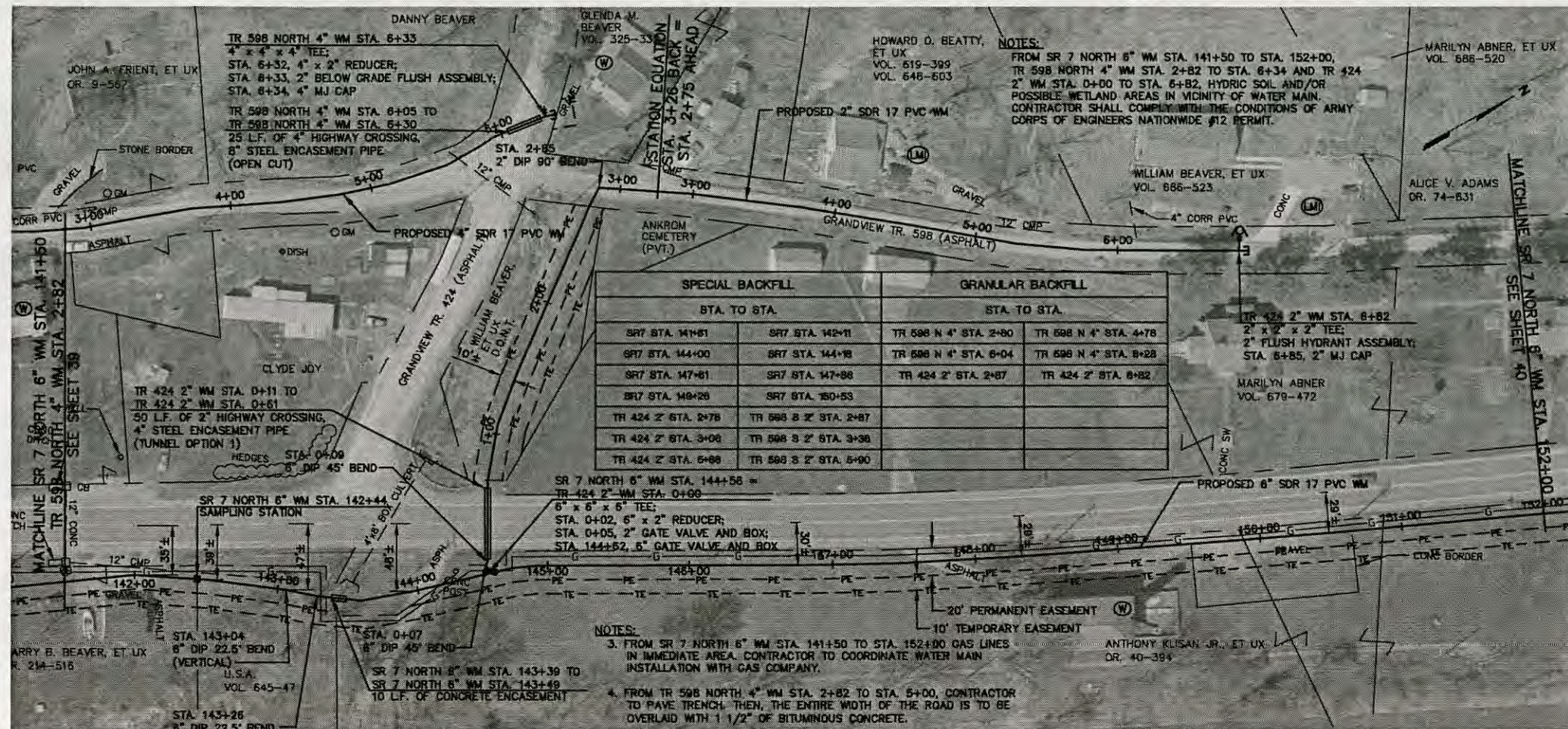
NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 N 6" WM STA. 112+05 TO STA. 141+50
TR 598 N 4" WM STA. 0+00 TO STA. 2+80
TR 598 S 4" WM STA. 0+00 TO STA. 28+13

SCALE:	1" = 50'
SHEET NO.	39
OF	42

2017 MAR -7 AM 13



REVISED OCT. 2002 AS CONSTRUCTED
THE INFORMATION SHOW HEREON IS
INTENDED TO BE COMPLETE AND CORRECT.
HOWEVER, ALL PERSONS SHALL VERIFY
INFORMATION TAKEN FROM THIS DRAWING.

NO.	REVISIONS	DATE	BY	CHK.
1	REVISED PER OEPA/USDA COMMENTS	4/01	DRD	AMH

Burgess & Niple, LimitedPARKERSBURG, WV

BURGESS & NIPLE

NEWPORT WATER AND SEWER DISTRICT
WASHINGTON COUNTY, OHIO
WATER SYSTEM EXTENSION
CONTRACT 99-1

JOB NO.	25227
DESIGNED BY:	AMH
DRAWN BY:	DRD
CHECKED BY:	AMH
APPROVED BY:	CDR
DATE:	MARCH 2001

SR 7 N 6" WM STA. 141+50 TO STA. 158+55
TR 598 N 4" WM STA. 2+80 TO STA. 6+34
TR 424 2" WM STA. 0+00 TO STA. 6+41

SCALE:	1" = 50'
SHEET NO.	40
OF	42



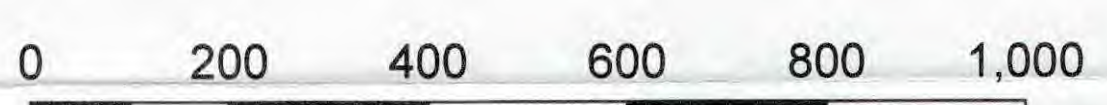
Drinking Water Source Assessment Newport Water and Sewer District

Potential Contaminant Sources

- Greenhouse/Nursery
- Gas Station (Existing/Abandoned/Historical)
- Auto Repair/Body Shop
- Boat Services/Repair/Refinishing
- Burn Pit
- Wastewater Treatment Plant
- Drinking Water Treatment Plant
- Above Ground Storage Tank
- Ohio River
- Sewer Line
- Well: Oil & Gas

Public Water Systems

- Drinking Water Wells
- Source Water Protection Area
- Inner Management Zone



Ohio State Plane South, NAD 1983



Ohio Environmental Protection Agency, Division of Drinking and Ground Waters, GIS/RM, 11/4/2011.

RECEIVED
MAR 7 2017
Ohio Environmental
Protection Agency
Southeast District

Drinking Water Source Protection Area for the Newport Water and Sewer District

INTRODUCTION. This map documents the drinking water source protection area for Newport, and identifies potential contaminant sources in and around this area. It is based on information contained in the revised Drinking Water Source Assessment Report completed for Newport by the Ohio EPA in July 2010.

The protection area is the area of focus for efforts to protect the source of drinking water. It is based on computer modeling of the five-year time-of-travel area—the area that provides water to the wells within approximately five years. The protection area also includes an inner protection zone representing the area that supplies water to the wells in one year. Symbols on the map indicate the locations of potential contaminant sources near the protection area. These are activities or facilities that—based on the types and amounts of chemicals associated with them—have the potential to release contaminants to the subsurface. The locations and nature of these potential contaminant sources may change over time and warrant periodic updating.

SYSTEM DESCRIPTION & GEOLOGY. Newport operates a community public water system that serves approximately 1600 people in southwestern Washington County. This system operates 2 potable wells and pumps approximately 115,000 gallons of water per day from a sand and gravel aquifer (water-rich zone) within the Ohio River Valley aquifer system. The system also operates a third well, which pumps 100,000 gallons per day of contaminated ground water to waste into the Ohio River. The contaminated ground water is from a former solvent fire pit northwest of the well field.

The aquifer is covered by less than 15 feet of moderate - low permeable material, which provides minimal protection from contamination. Depth to water in this aquifer is approximately 15 feet below the ground surface.

SUSCEPTIBILITY ANALYSIS. The ground water used by Newport has a high susceptibility to contamination because: (1) there is no significant confining layer between the ground surface and the water table; (2) depth to ground water is generally 15 feet or less; (3) there are significant potential sources of contamination within or directly adjacent to the protection area; and (4) the presence of manmade contaminant in the nearby well which pumps to waste into the Ohio River. This susceptibility means that under currently existing conditions, the likelihood of the aquifer becoming contaminated is relatively high, depending on the activities taking place within the protection area. Current and future contamination can be minimized by implementing appropriate protective measures.

References

- Drinking Water Source Protection Areas (Ground Water, Surface Water), Ohio Environmental Protection Agency, Division of Drinking and Ground Waters and Division of Surface Water, 2011.
- Wells, Ohio Environmental Protection Agency, Division of Drinking and Ground Waters, 2011.
- Intakes, Ohio Environmental Protection Agency, Division of Drinking and Ground Waters and Division of Surface Water, 2011.
- Potential Contaminant Source Inventory, Ohio Environmental Protection Agency, Division of Drinking and Ground Waters and Division of Surface Water, 2010.
- Oil and Gas Wells, Ohio Department of Natural Resources, Division of Mineral Resources Management, 1997.
- National Hydrography Dataset (NHD), U.S. Geological Survey, U.S. Environmental Protection Agency, 2004. Scale 1:24,000.
- Municipal Areas, U.S. Census Bureau, 2004.
- Transportation, OpenStreetMap, 2010; Bing Maps - Roads, 2011.
- Aerial Photography, NAIP Ohio 1m Natural Color, USDA, 2010.

