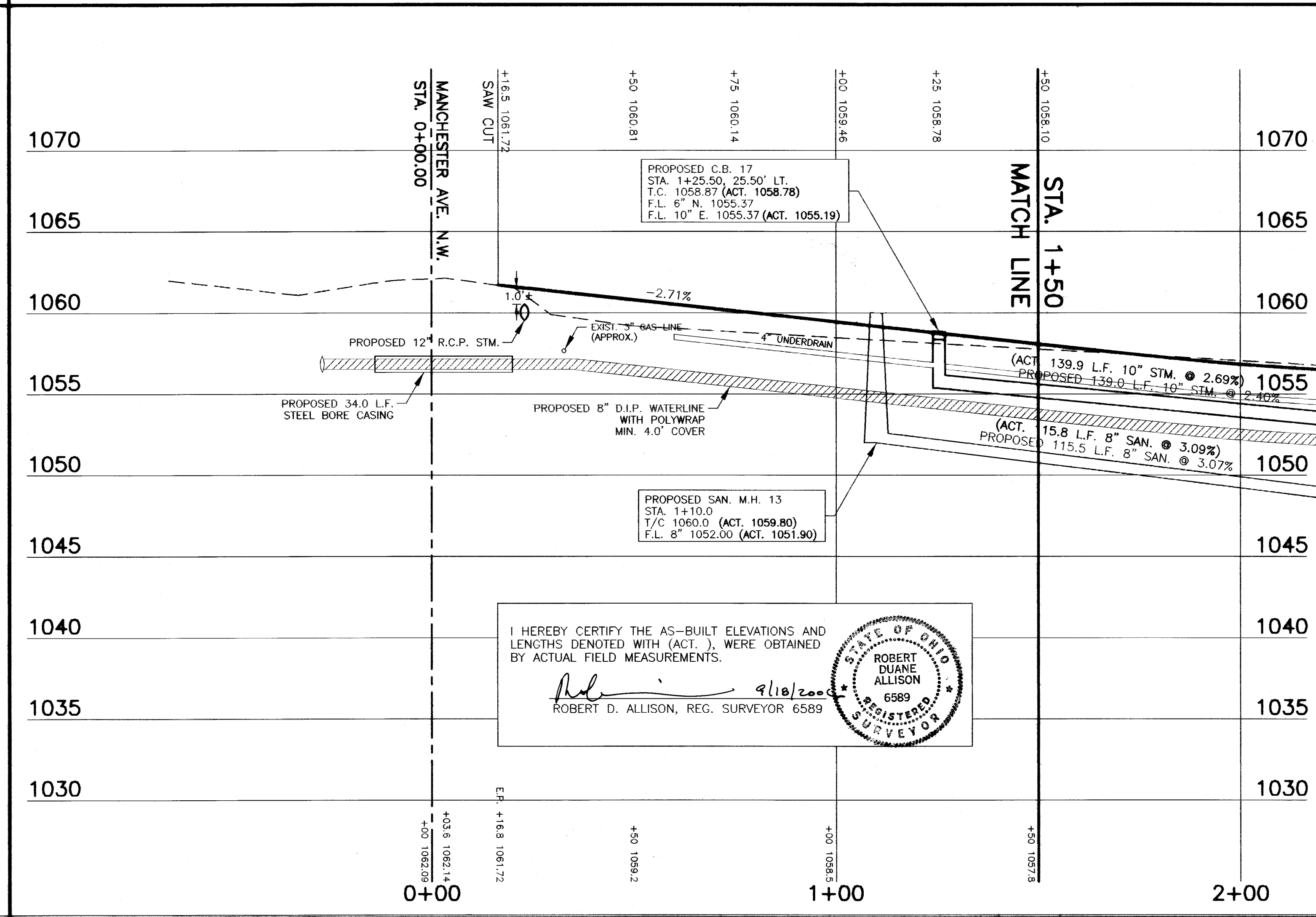
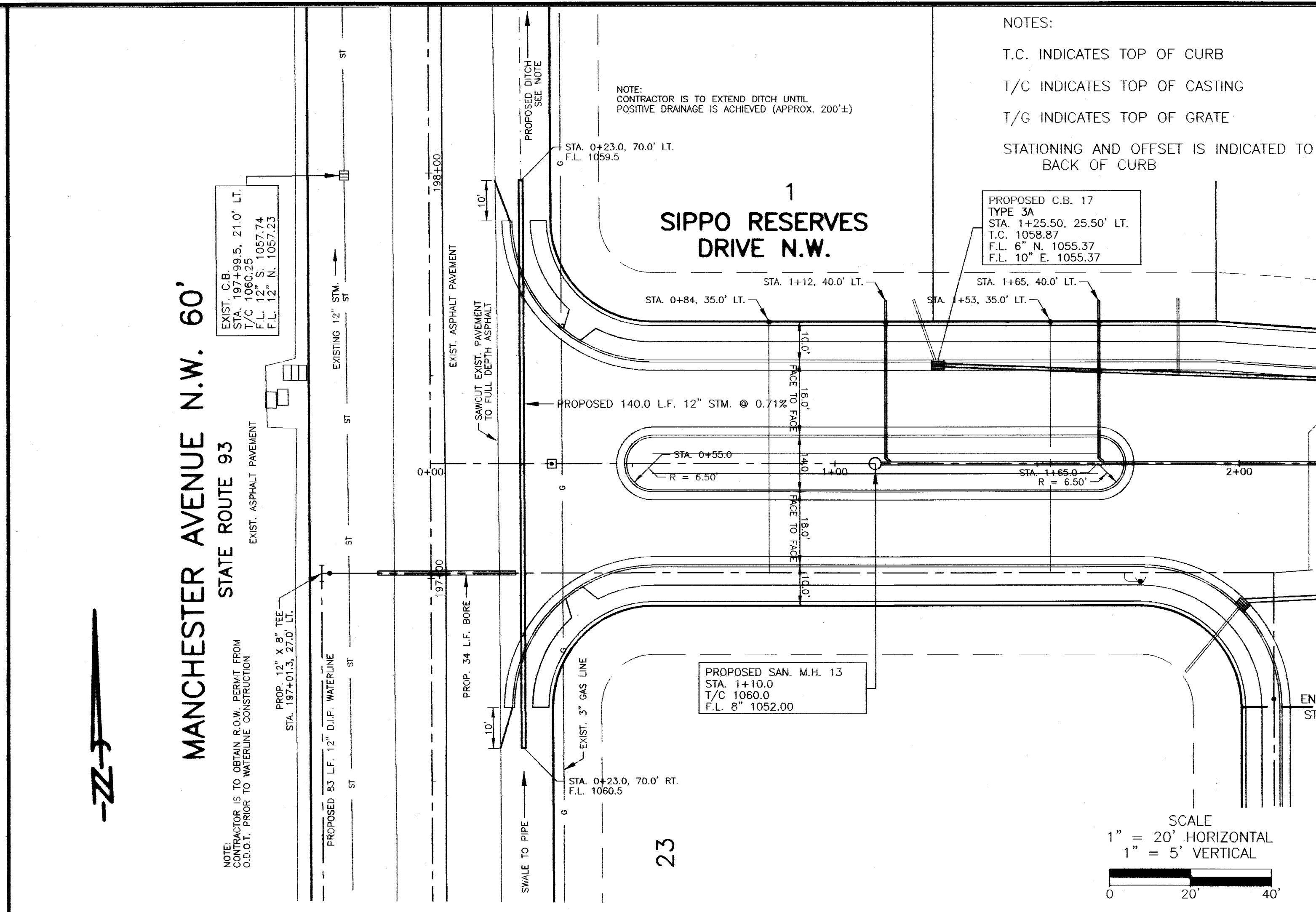
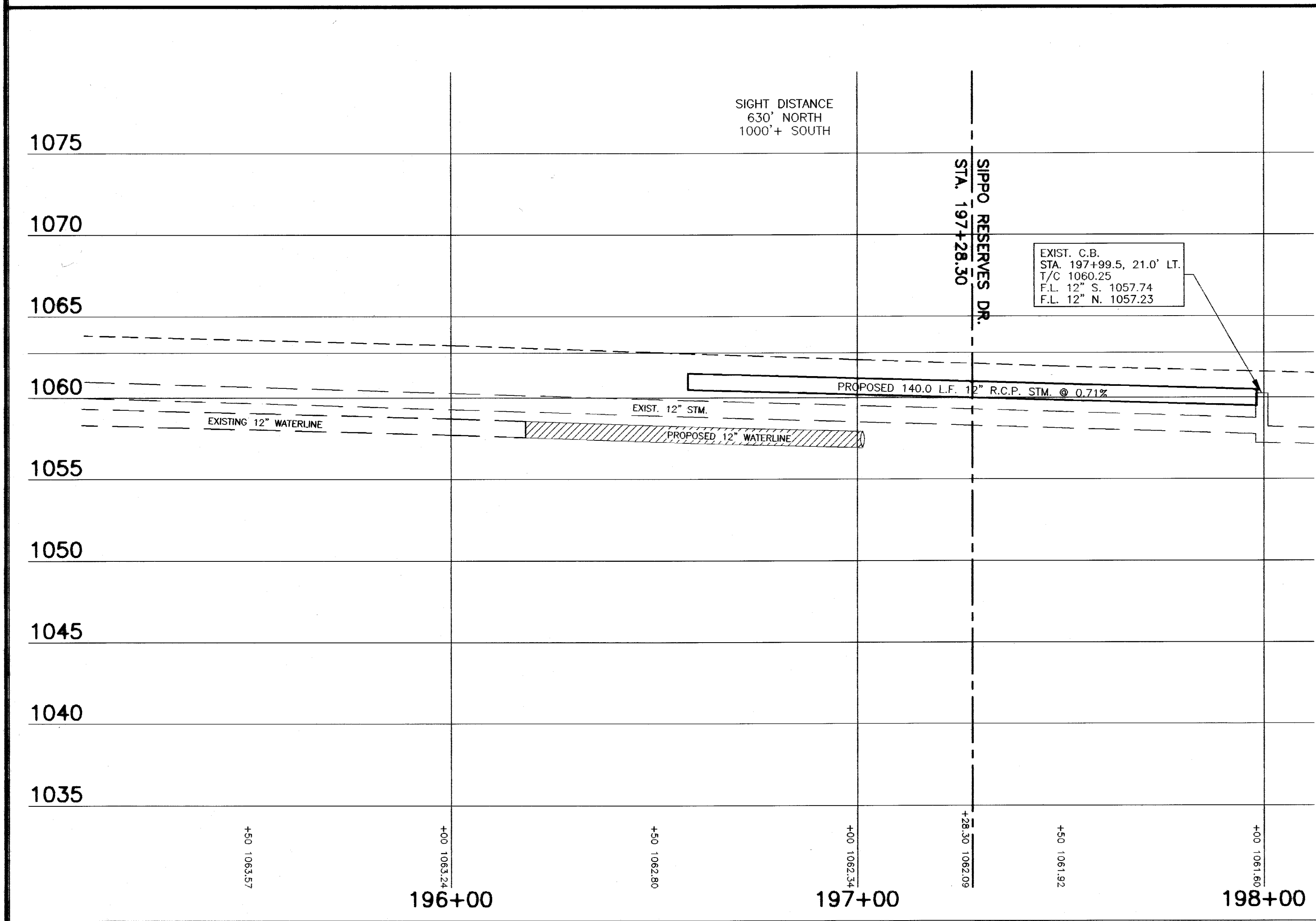
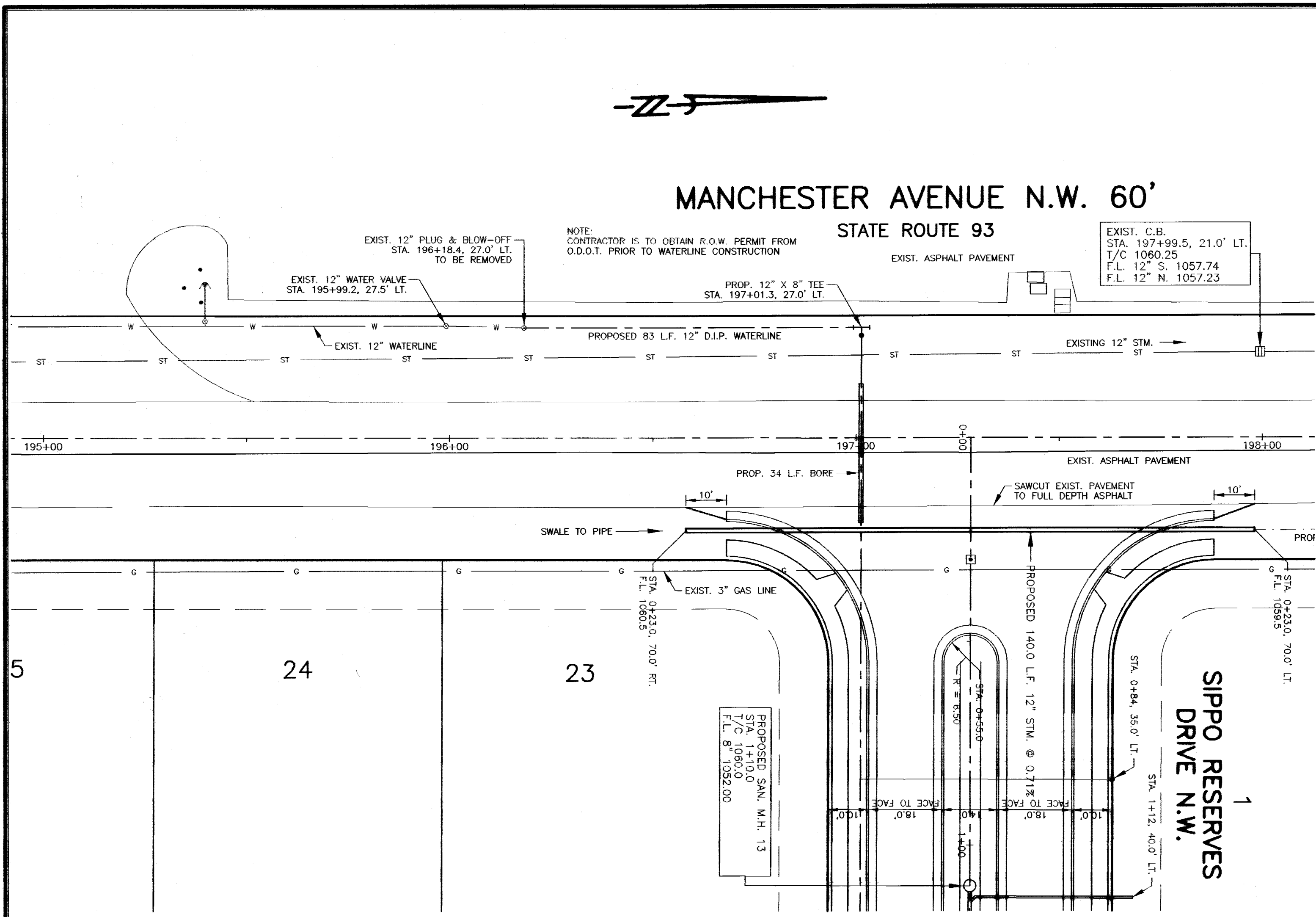




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 (330) 339-4242

PLAN & PROFILE
MANCHESTER AVE./SIPPO RESERVES DR.
SIPPO RESERVES ALLOTMENT
CITY OF MASSILLON, STARK COUNTY, OHIO

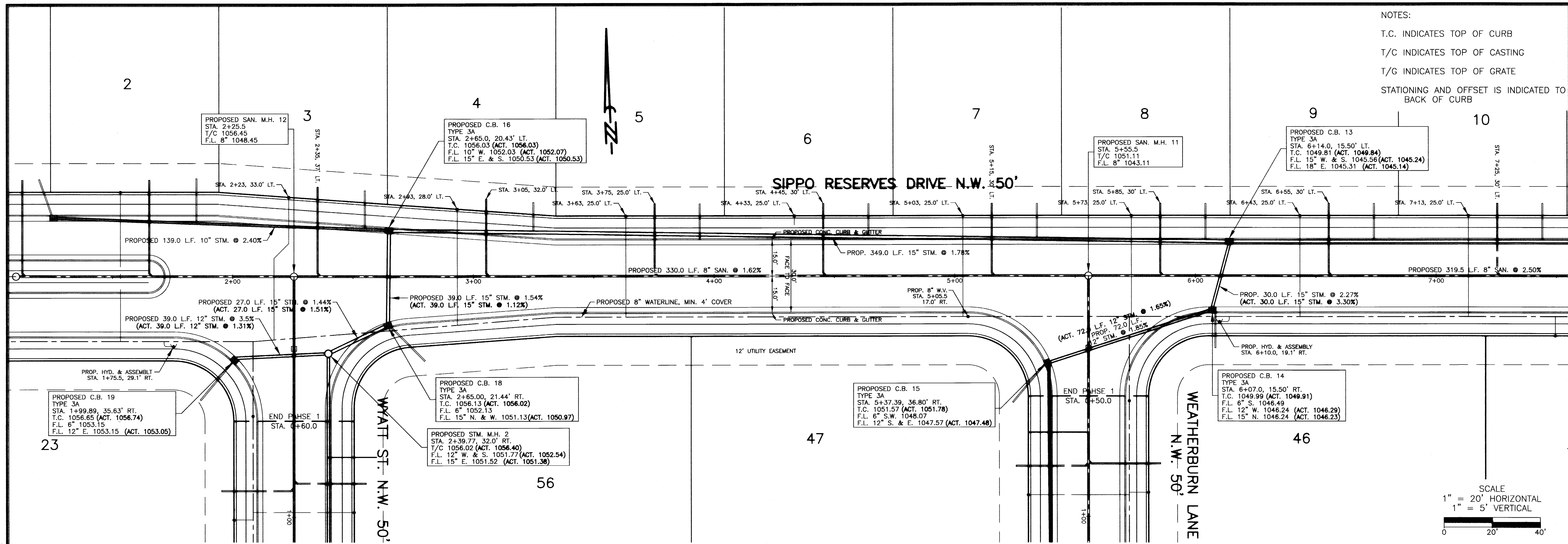
REVISIONS	DESCRIPTION	DATE	BY	CHKD
1	REVISD PER: MASSILLON CITY ENGINEER COMMENTS	3/31/05	RDA	HDM
2	REVISD PER: MASSILLON CITY ENGINEER COMMENTS	5/3/05	RDA	HDM
3	AS-BUILTS	9/14/06	RDA	

PROJECT No. 200099
 SHEET No. 3
 DATE: FEBRUARY, 2005
 DRAWN BY: RDA
 200099_PPA1

I HEREBY CERTIFY THE AS-BUILT ELEVATIONS AND LENGTHS DENOTED WITH (ACT.), WERE OBTAINED BY ACTUAL FIELD MEASUREMENTS.
 9/18/2006
 ROBERT D. ALLISON, REG. SURVEYOR 6589

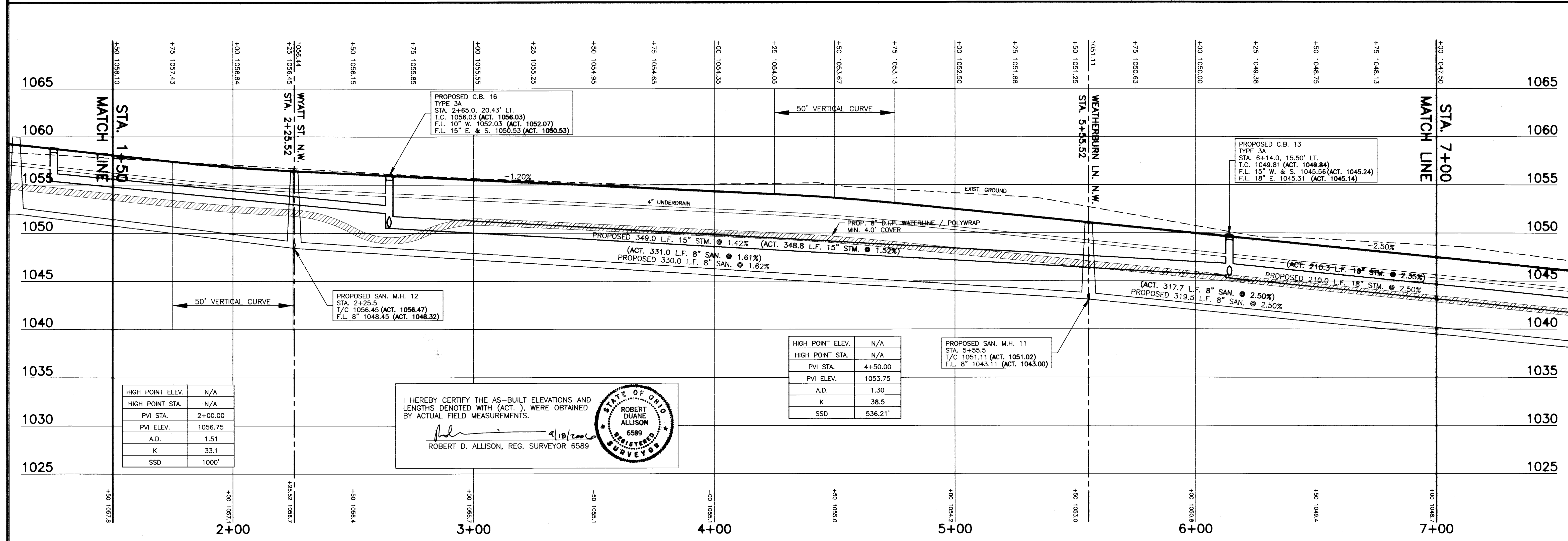
STATE OF OHIO
 ROBERT DUANE ALLISON
 6589
 REGISTERED SURVEYOR

06 50 01



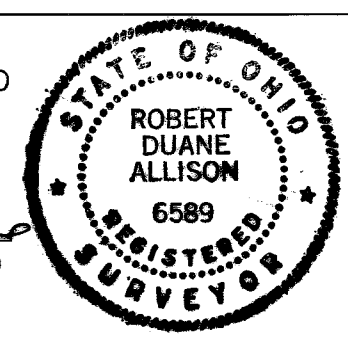
NOTES:
T.C. INDICATES TOP OF CURB
T/C INDICATES TOP OF CASTING
T/G INDICATES TOP OF GRATE
STATIONING AND OFFSET IS INDICATED TO BACK OF CURB

SCALE
1" = 20' HORIZONTAL
1" = 5' VERTICAL



HIGH POINT ELEV.	N/A
HIGH POINT STA.	N/A
PVI STA.	2+00.00
PVI ELEV.	1056.75
A.D.	1.51
K	33.1
SSD	1000'

I HEREBY CERTIFY THE AS-BUILT ELEVATIONS AND LENGTHS DENOTED WITH (ACT.), WERE OBTAINED BY ACTUAL FIELD MEASUREMENTS.
ROBERT D. ALLISON, REG. SURVEYOR 6589



HIGH POINT ELEV.	N/A
HIGH POINT STA.	N/A
PVI STA.	4+50.00
PVI ELEV.	1053.75
A.D.	1.30
K	38.5
SSD	536.21'

PROPOSED SAN. M.H. 11
STA. 5+55.5
T/C 1051.11 (ACT. 1051.02)
F.L. 8" 1043.11 (ACT. 1043.00)

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PLAN & PROFILE
SIPPO RESERVES DRIVE N.W.
SIPPO RESERVES ALLOTMENT
CITY OF MASSILLON, STARK COUNTY, OHIO

REVISIONS	DATE	BY	CHKD
REVISION PER: MASSILLON CITY ENGINEER COMMENTS	3/31/05	RDA	HDM
REVISED PER: MASSILLON CITY ENGINEER COMMENTS	5/3/05	RDA	HDM
AS-BUILTS	9/14/06	RDA	

PROJECT No.
200099

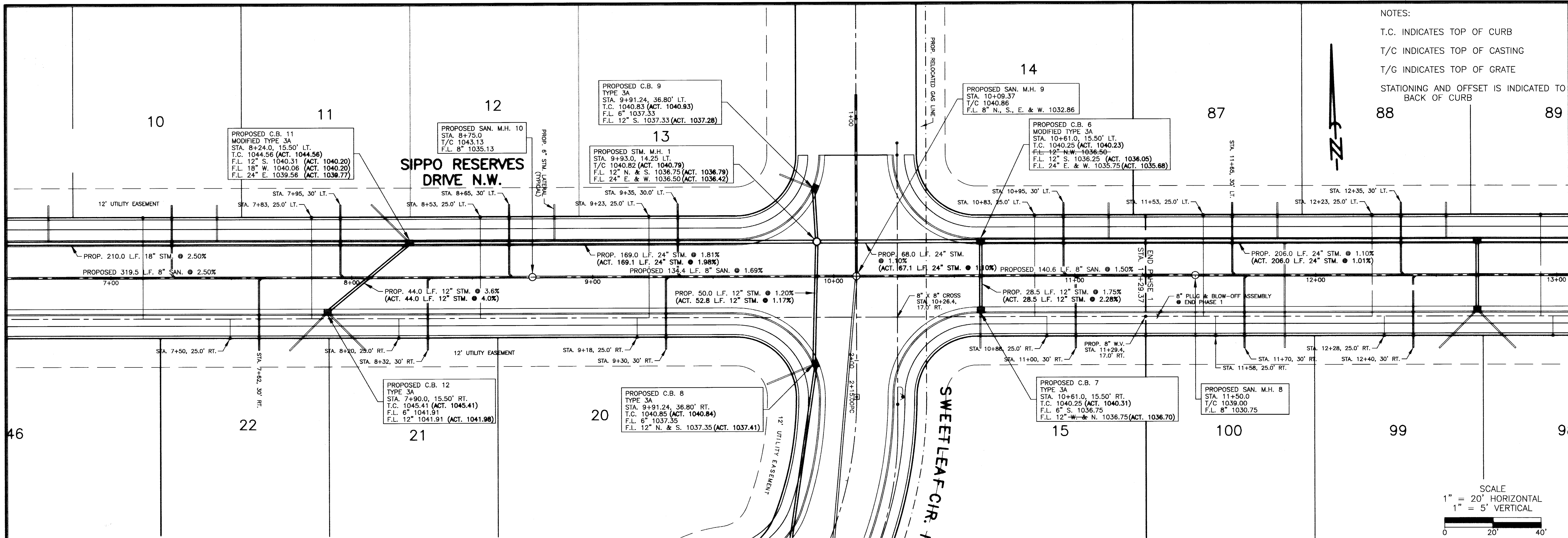
SHEET No.
4

DATE:
FEBRUARY, 2005

DRAWN BY:
RDA

200099_PPA2

06 50 01



NOTES:
 T.C. INDICATES TOP OF CURB
 T/C INDICATES TOP OF CASTING
 T/G INDICATES TOP OF GRATE
 STATIONING AND OFFSET IS INDICATED TO BACK OF CURB

SCALE
 1" = 20' HORIZONTAL
 1" = 5' VERTICAL

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PLAN & PROFILE
 SIPPO RESERVES DRIVE N.W.
 SIPPO RESERVES ALLOTMENT
 CITY OF MASSILLON, STARK COUNTY, OHIO

REVISIONS	DESCRIPTION	DATE	BY	CHKD
1	REVISION PER: MASSILLON CITY ENGINEER COMMENTS	3/13/05	ROA	HDM
2	REVISION PER: MASSILLON CITY ENGINEER COMMENTS	5/23/05	ROA	HDM
3	AS-BUILTS	9/14/06	ROA	RDA

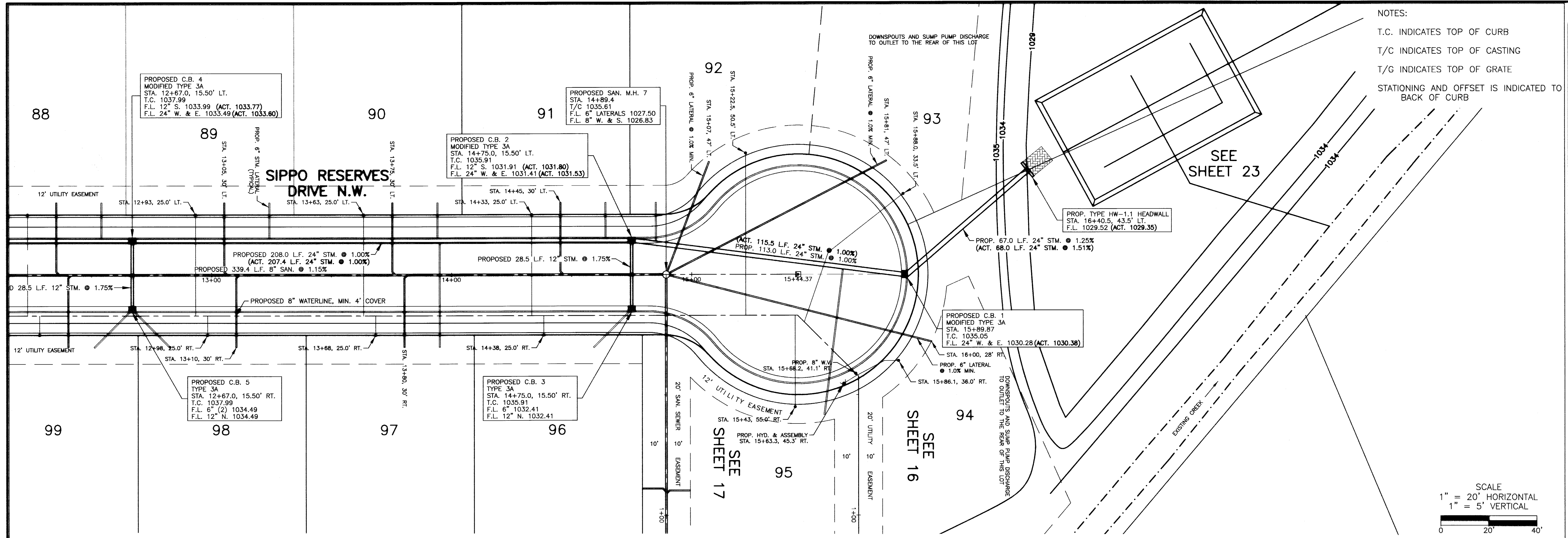
PROJECT No.
 200099

SHEET No.
 5

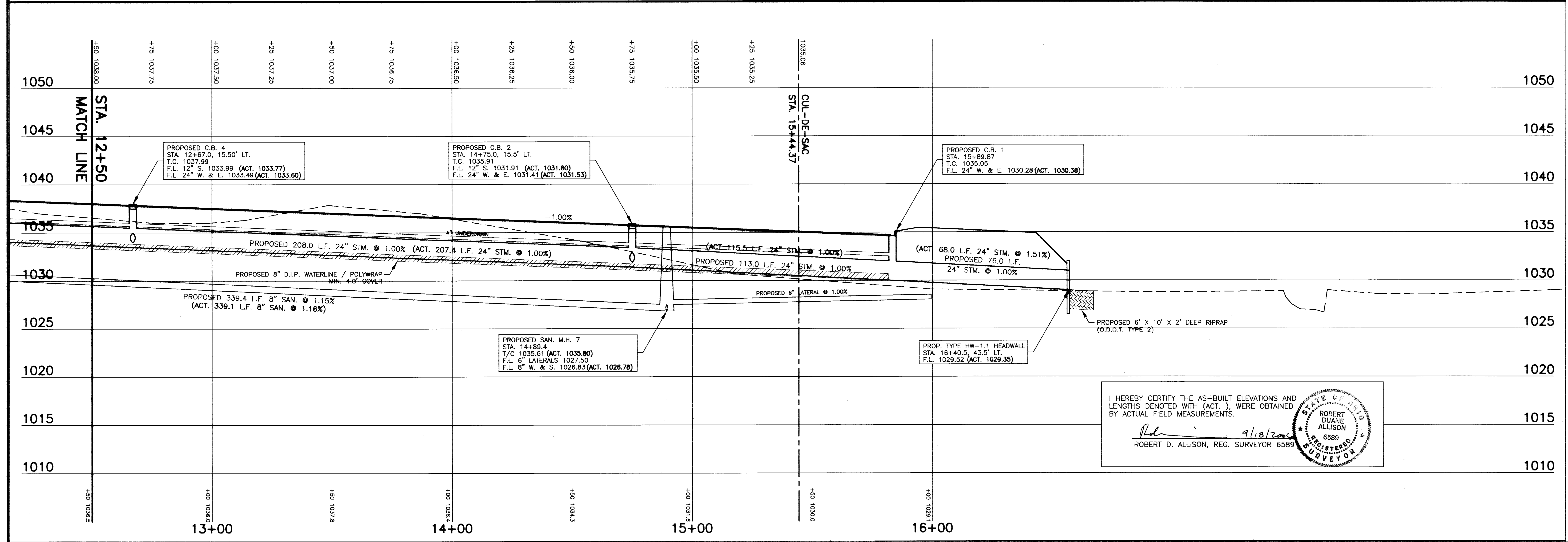
DATE:
 FEBRUARY, 2005
 DRAWN BY:
 RDA

200099_PPA3

06 50 01



NOTES:
 T.C. INDICATES TOP OF CURB
 T/C INDICATES TOP OF CASTING
 T/G INDICATES TOP OF GRATE
 STATIONING AND OFFSET IS INDICATED TO BACK OF CURB



I HEREBY CERTIFY THE AS-BUILT ELEVATIONS AND LENGTHS DENOTED WITH (ACT.), WERE OBTAINED BY ACTUAL FIELD MEASUREMENTS.
 ROBERT D. ALLISON, REG. SURVEYOR 6589

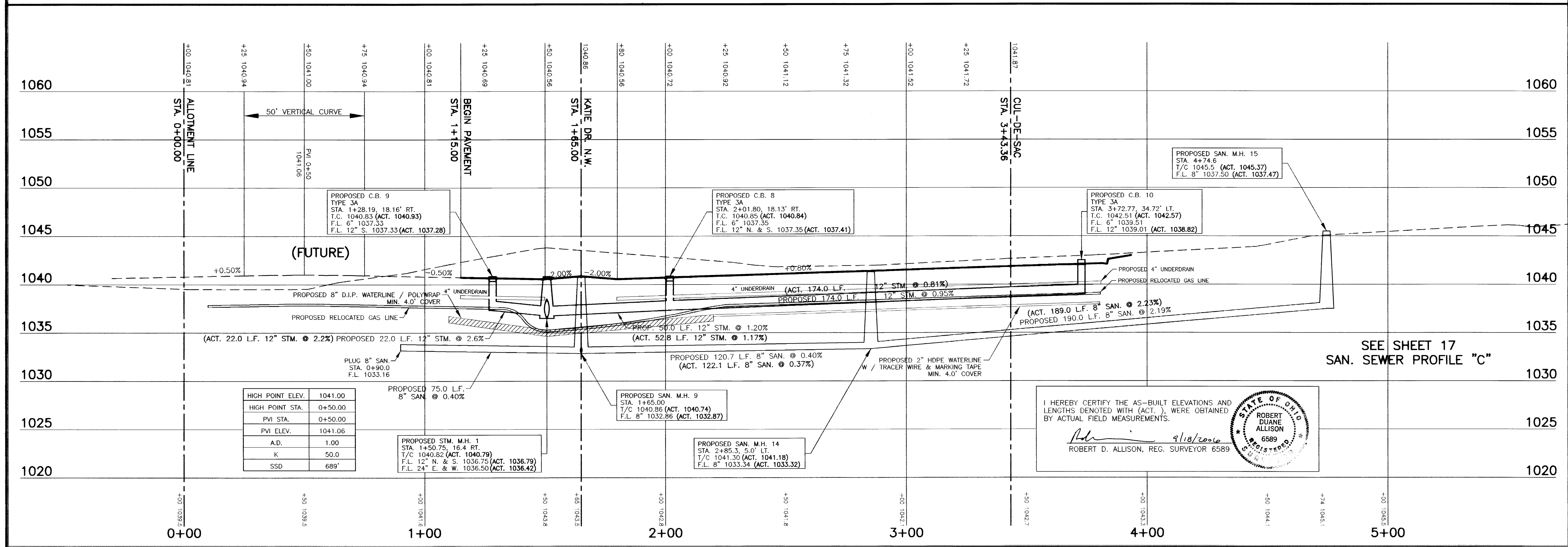
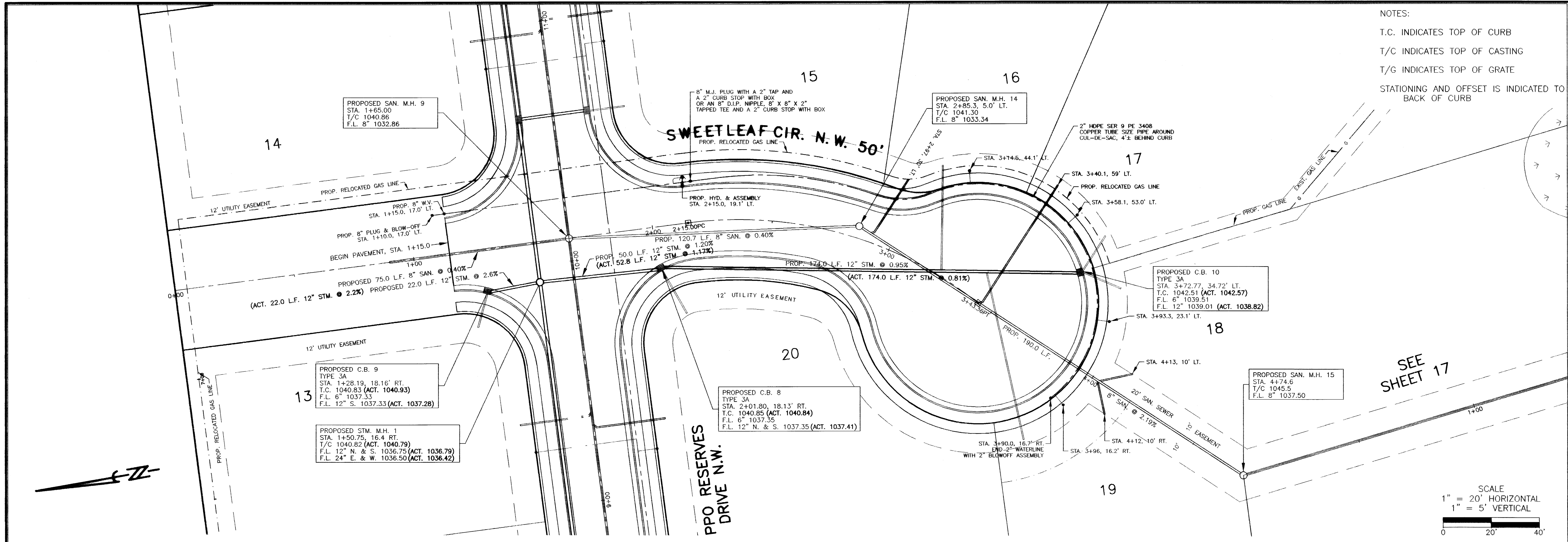
Civil Design Associates, Inc.
 Consulting Engineers & Surveyors
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 NEW PHILADELPHIA, OHIO 44663
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PLAN & PROFILE
 Sippo Reserves Drive N.W.
 Sippo Reserves Allotment
 City of Massillon, Stark County, Ohio

REVISIONS	DATE	BY	CHKD
DESCRIPTION			
REVISED PER: MASSILLON CITY ENGINEER COMMENTS	3/31/05	ROA	HDM
REVISED PER: MASSILLON CITY ENGINEER COMMENTS	5/13/05	ROA	HDM
REVISED PER: STARK COUNTY SWCD COMMENTS	7/13/05	ROA	ACM
AS-BUILTS	9/14/06	ROA	

PROJECT No.
 200099
 SHEET No.
 6
 DATE:
 FEBRUARY, 2005
 DRAWN BY:
 ROA
 200099_LPP44

06 50 01



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Consulting Engineers & Surveyors

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PLAN & PROFILE

SWEETLEAF CIRCLE N.W.

SIPPO RESERVES ALLOTMENT

CITY OF MASSILLON, STARK COUNTY, OHIO

REVISIONS

NO.	DATE	BY	CHKD	DESCRIPTION
1	3/31/05	RDA	HDW	REVISED PER: MASSILLON CITY ENGINEER COMMENTS
2	5/3/05	RDA	HDW	REVISED PER: MASSILLON CITY ENGINEER COMMENTS
3	9/14/06	RDA	HDW	AS-BUILT

PROJECT No.

200099

SHEET No.

7

DATE:

FEBRUARY, 2005

DRAWN BY:

RDA

200099_PPE

I HEREBY CERTIFY THE AS-BUILT ELEVATIONS AND LENGTHS DENOTED WITH (ACT.), WERE OBTAINED BY ACTUAL FIELD MEASUREMENTS.

9/18/2006

ROBERT D. ALLISON, REG. SURVEYOR 6589

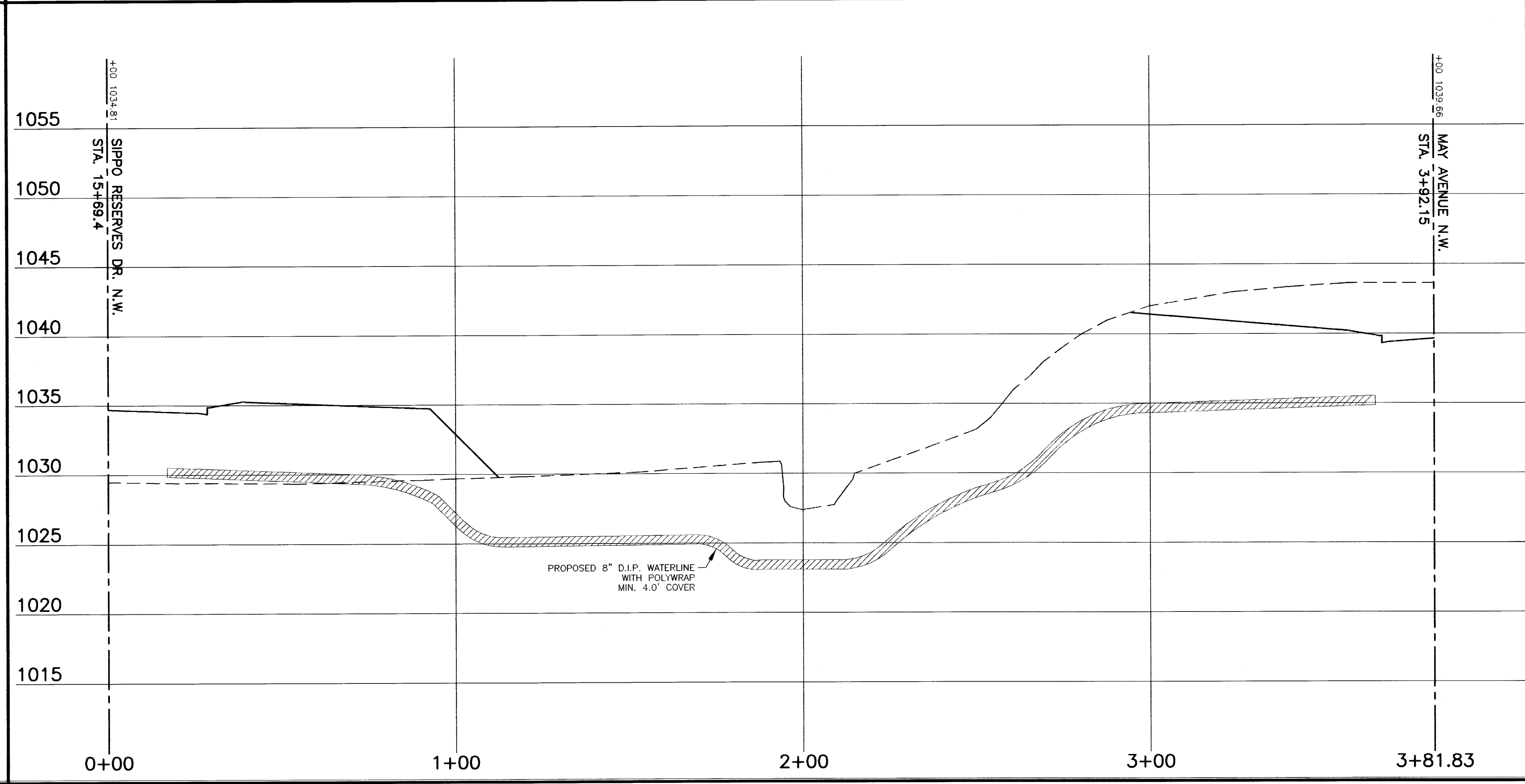
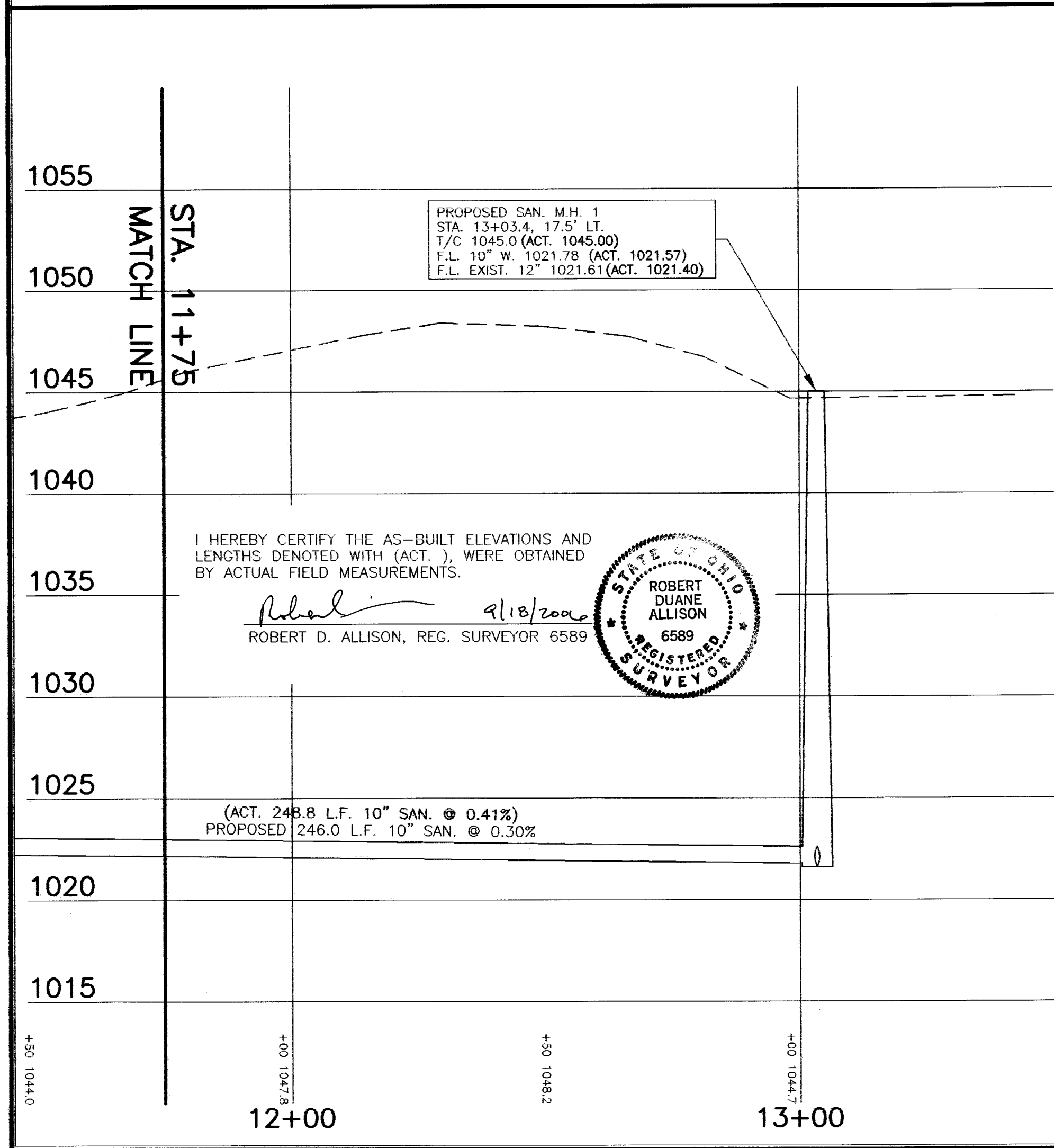
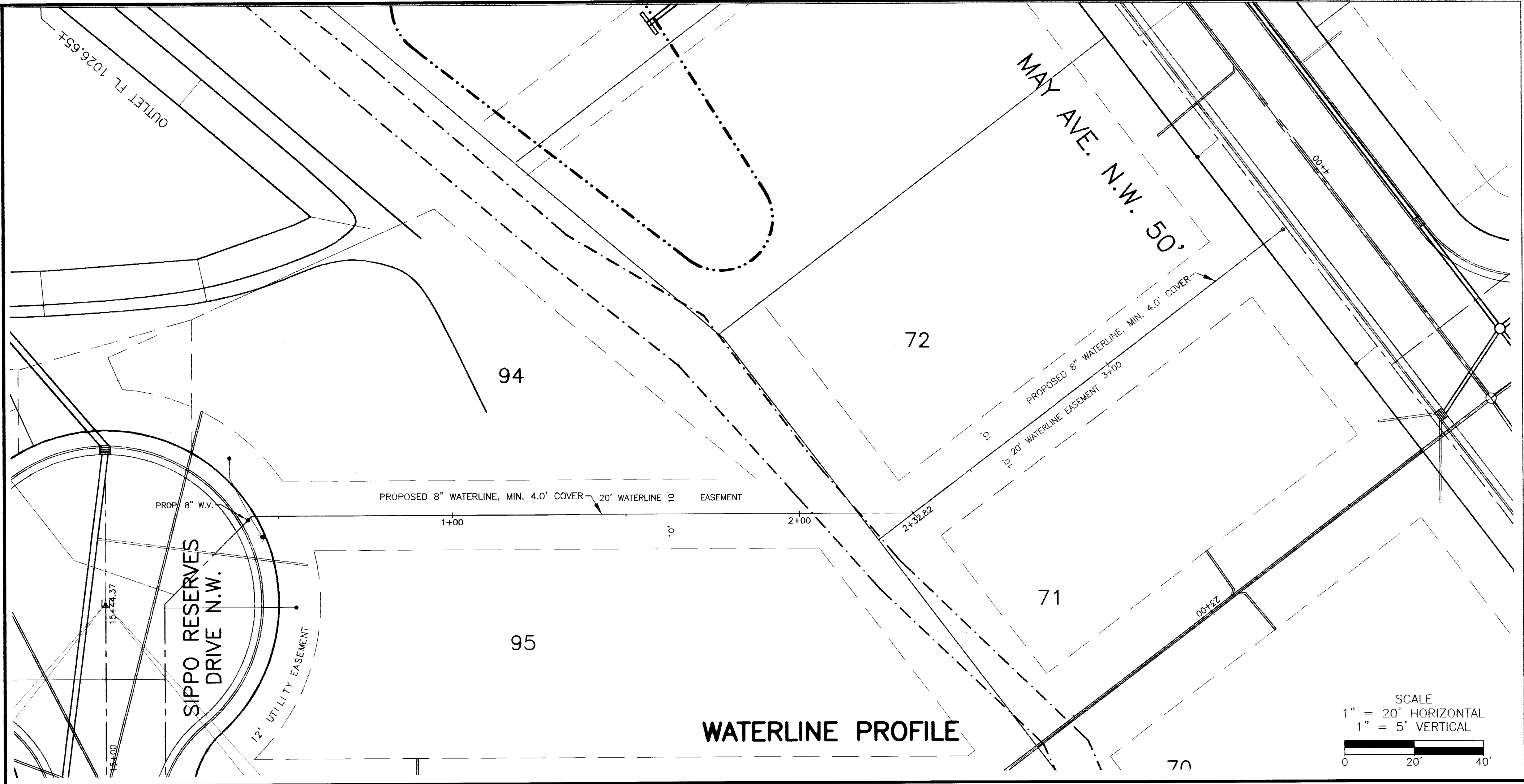
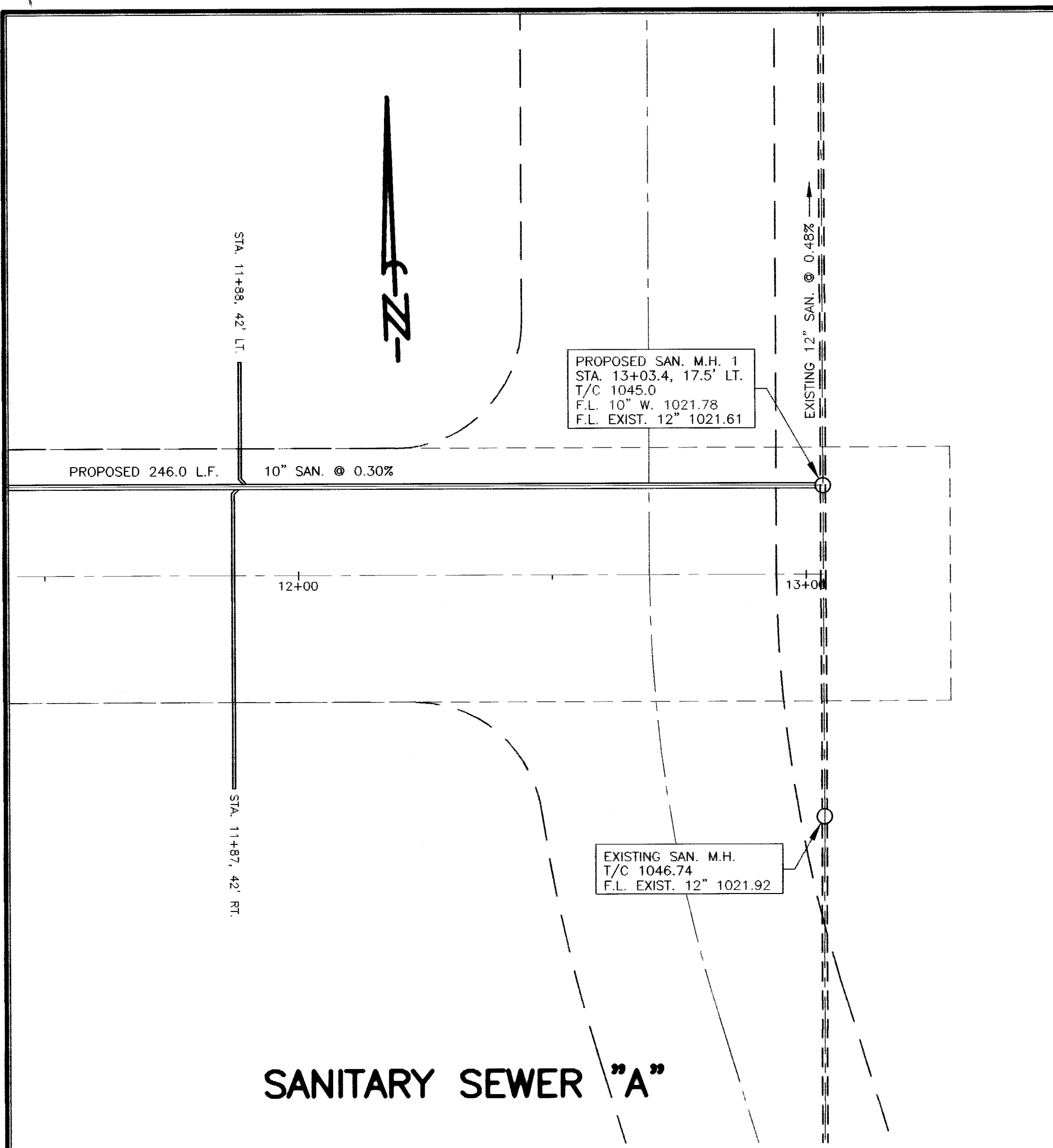
STATE OF OHIO

ROBERT DUANE ALLISON

6589

REGISTERED

0650 01



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PLAN & PROFILE
SANITARY SEWER "A" & WATERLINE
SIPPO RESERVES ALLOTMENT
CITY OF MASSILLON, STARK COUNTY, OHIO

REVISIONS	DESCRIPTION	DATE	BY	CHKD
1	REVISED PER: MASSILLON CITY ENGINEER COMMENTS	3/7/05	RDA	HDM
2	REVISED PER: WATERLINE PROFILE	3/31/05	RDA	HDM
3	REVISED PER: MASSILLON CITY ENGINEER COMMENTS	5/3/05	RDA	HDM
4	AS-BUILT	9/14/06	RDA	

PROJECT No.
200099

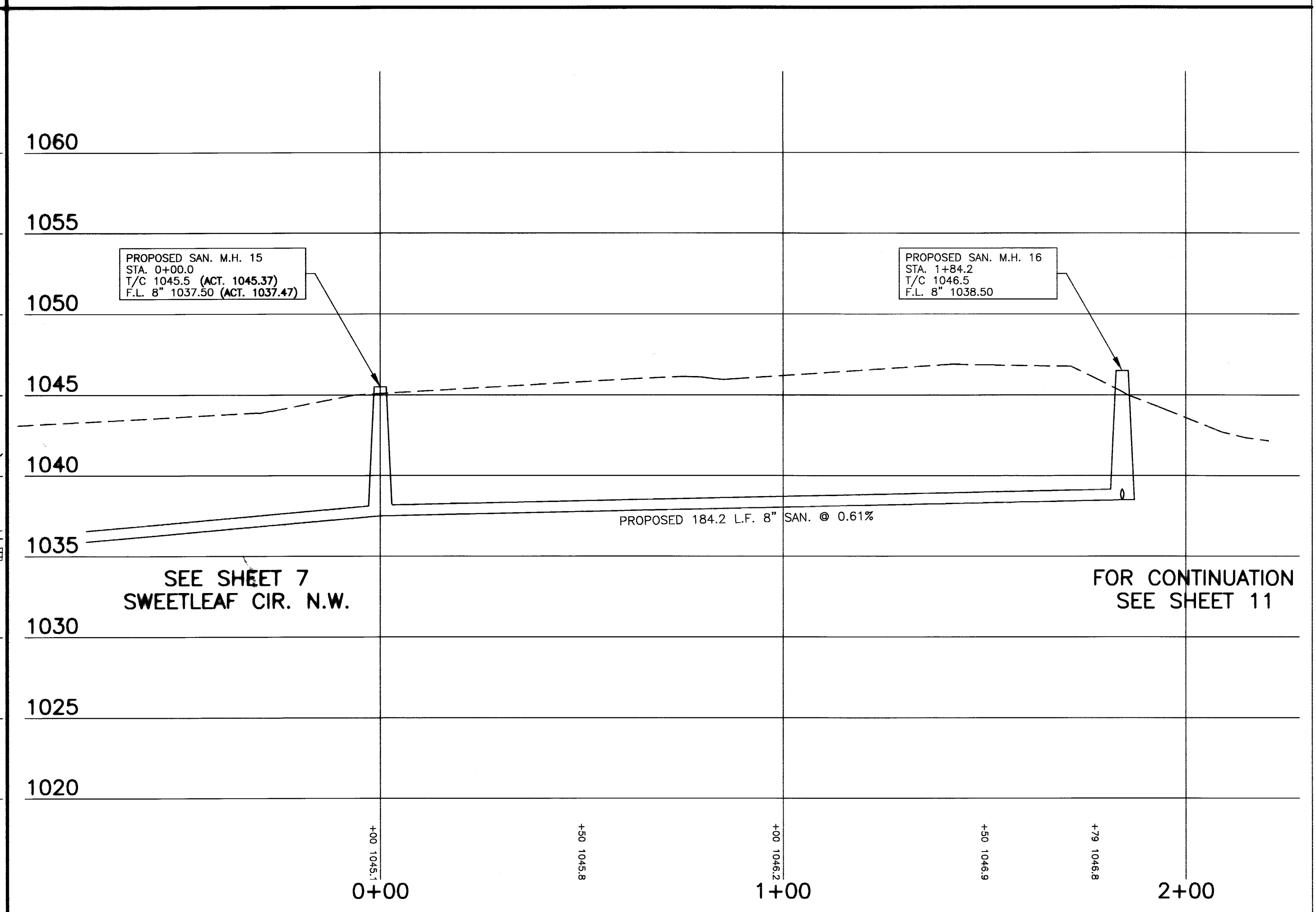
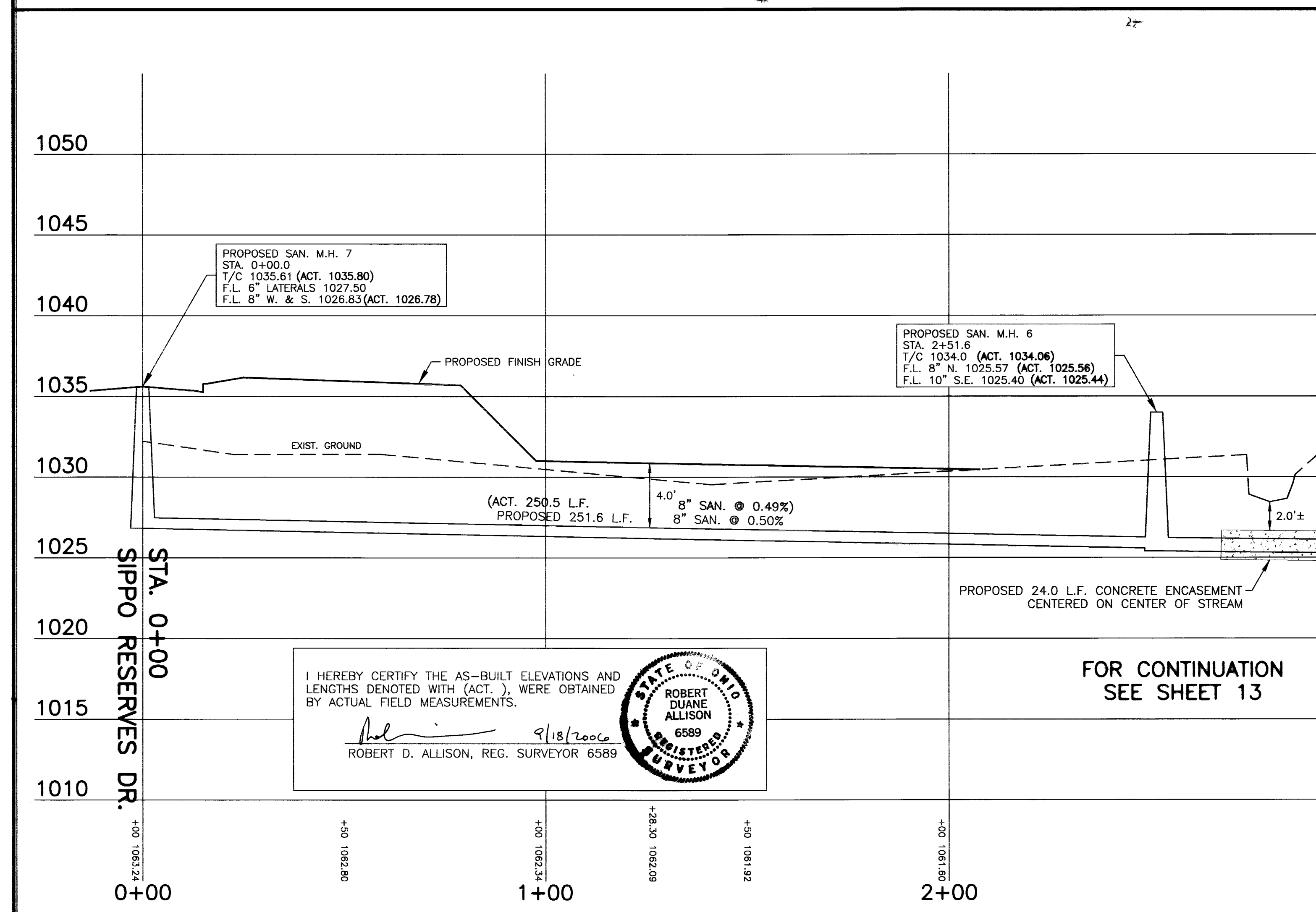
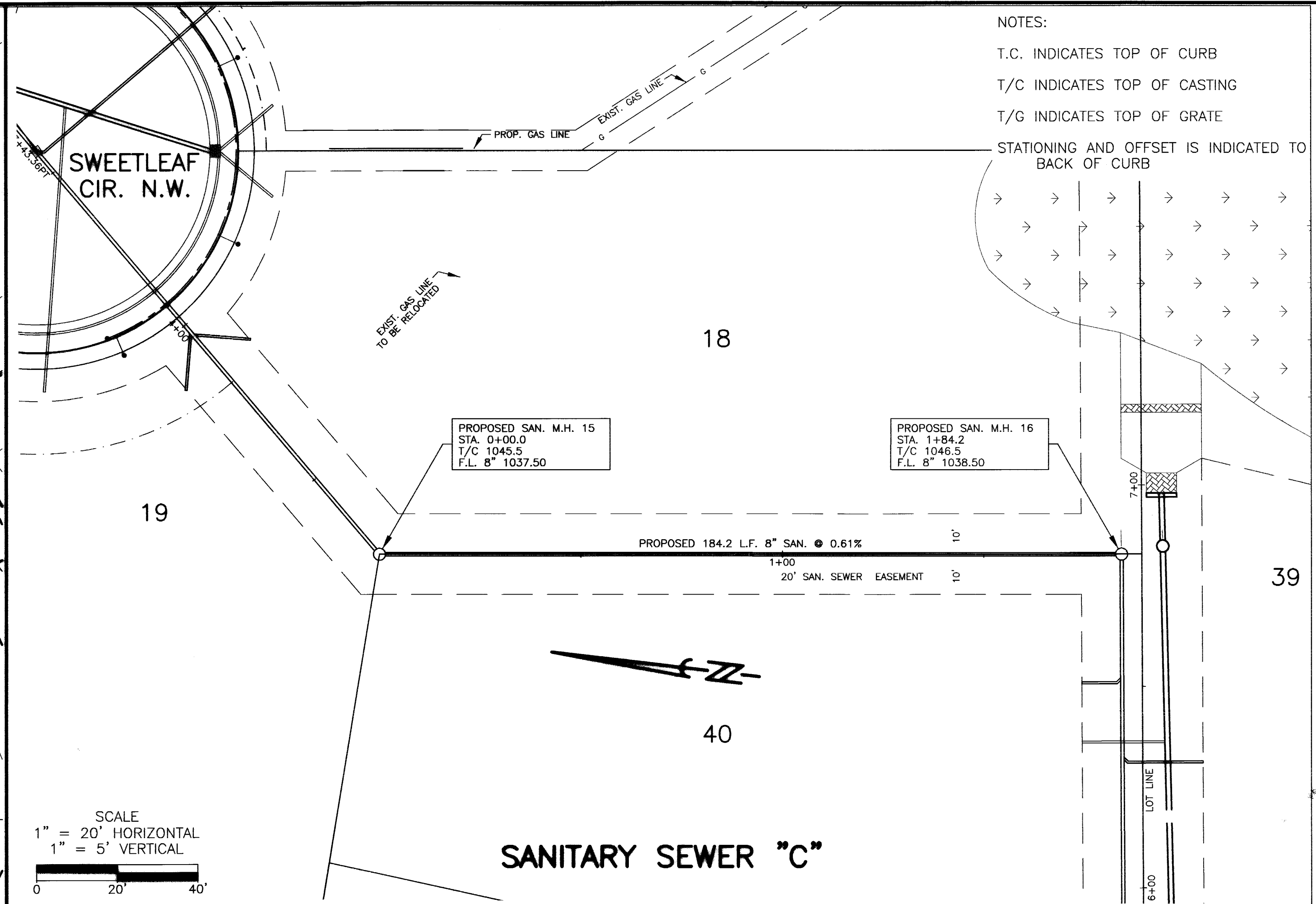
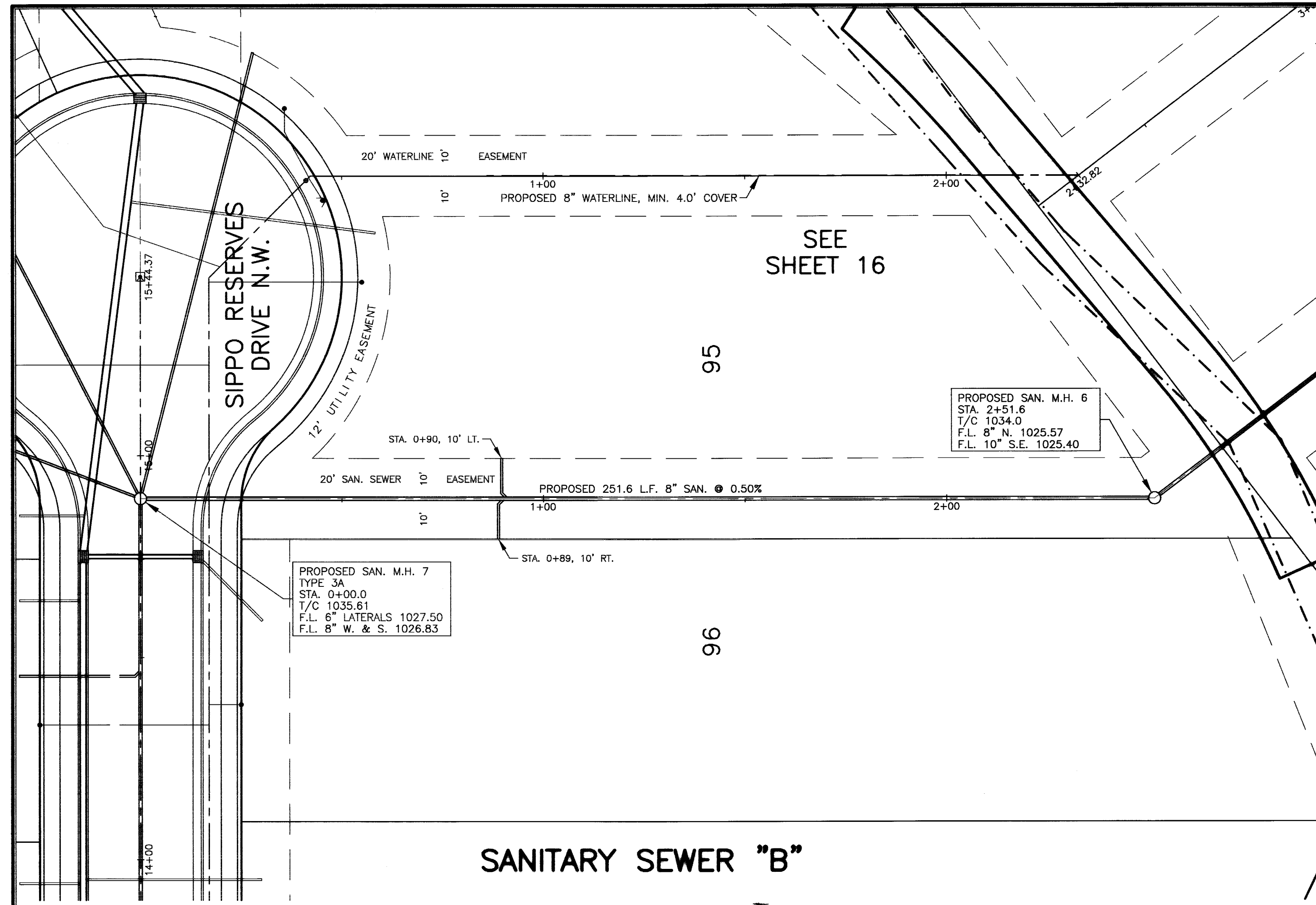
SHEET No.
16

DATE:
FEBRUARY, 2005

DRAWN BY:
RDA

200099_PPF3

0650 01



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PLAN & PROFILE
SANITARY SEWER "B" & "C"
SIPPO RESERVES ALLOTMENT
CITY OF MASSILLON, STARK COUNTY, OHIO

REVISIONS	DESCRIPTION	DATE	BY	CHKD
1	AS-BUILT'S	5/2/05	RDA	HDM
2	AS-BUILT'S	9/14/06	RDA	

PROJECT No.
200099

SHEET No.
17

DATE:
FEBRUARY, 2005

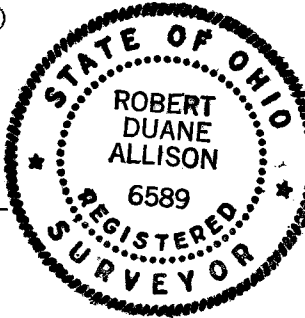
DRAWN BY:
RDA

200099_PPF4

06 SD A

I HEREBY CERTIFY THE AS-BUILT ELEVATIONS AND LENGTHS DENOTED WITH (ACT.), WERE OBTAINED BY ACTUAL FIELD MEASUREMENTS.

ROBERT D. ALLISON, REG. SURVEYOR 6589



CATCH BASIN
(ODOT CB 2-4)

10 YR. FLOOD ELEV. ∇

12" CORE DRILLED HOLE
INV. EL. 1030.00

TOP OF RIM
ELEV. 1031.90
(ACT. 1032.15)

BERM
ELEV. 1034.00

EMERGENCY SPILLWAY ELEV 1033.00

PROP. GRADE

HEADWALL
(ODOT HW-2.1)

PROP. 57 LF 36" HDPE @ 0.70%
(ACT. 55.5 L.F. 36" STM. @ 0.90%)

ROCK CHANNEL
PROTECTION - TYPE "C"
6'W X 15'L X 24" T

4" PERFORATED PVC
@ 1.00%
(SEE GRAVEL TRENCH DETAIL THIS SHEET)

INV. 36" = 1027.40
(ACT. 1027.55)

INV. 36" = 1027.00
(ACT. 1027.05)

CAP W/ 2.0" ORIFICE
INV. EL. 1027.50

BASIN #1 OUTLET STRUCTURE DETAIL

SCALE: NONE

EL. 1031.90

STRUCTURE INLET
STRUCTURE OUTLET
STRUCTURE INLET

EL. 1027.45

GRATE

GRATE

12" CORE
DRILLED HOLE

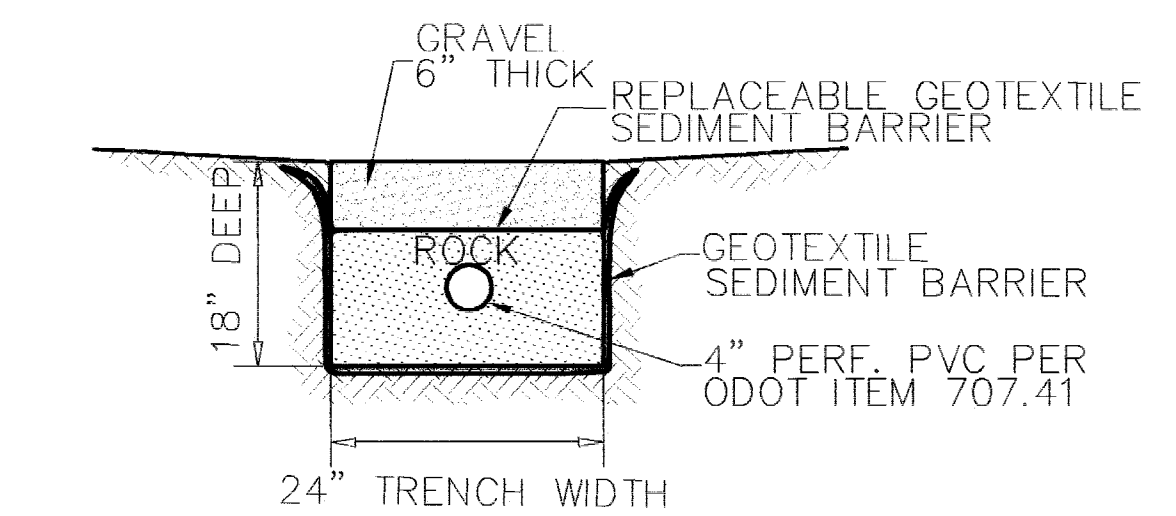
36" DISCHARGE PIPE
@ 0.07%

CAP W/ 2" ORIFICE
OPENING

DETENTION AREA OUTLET STRUCTURE #1

MODIFIED ODOT TYPE CB 2-4

SCALE: NONE



GRAVEL TRENCH W/ UNDERDRAIN

SCALE: NONE

NOTE 1:
STILLING AREA TO BE CONSTRUCTED AS PART OF DETENTION
BASIN POST CONSTRUCTION WATER QUALITY EFFORT. THIS
AREA TO BE ESTABLISHED DURING THE BASIN'S USE AS A
TEMPORARY SEDIMENT BASIN FOR ADDITIONAL SEDIMENT
STORAGE.

SEE OUTLET
STRUCTURE DETAIL

TEMPORARY 12" BARREL AND RISER PIPE WITH
24 1" HOLES EVENLY DISTRIBUTED, WRAPPED
WITH MESH AND DOUBLE WRAPPED WITH
GEOTEXTILE. REMOVE UPON UPLAND STABILIZATION.

ELEV. 1031.5

CONCRETE BLOCKING
FOR TEMPORARY BARREL
AND RISER

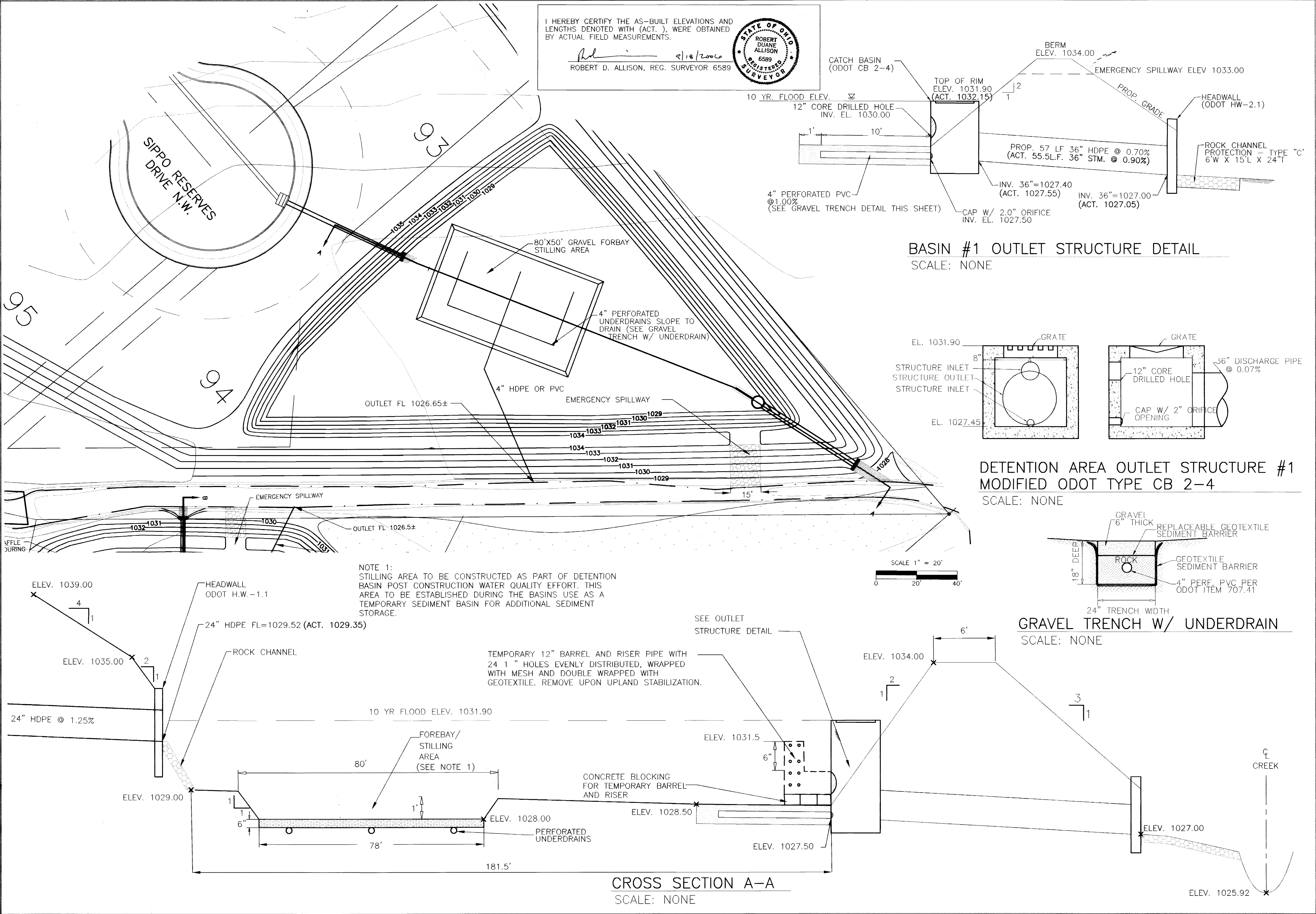
ELEV. 1028.50

PERFORATED
UNDERDRAINS

ELEV. 1027.50

CROSS SECTION A-A

SCALE: NONE



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DETENTION BASIN #1 DETAILS
(WITH TEMPORARY SEDIMENT BASIN CONTROLS)
SIPPO RESERVES ALLOTMENT
CITY OF MASSILLON, STARK COUNTY, OHIO

REVISIONS	DATE	BY	CHKD	DESCRIPTION
1	6/05	JRF	ACM	REVISED PER STARK SWCD REQUIREMENTS
2	9/14/06	RDA		AS-BUILTS

PROJECT No.
200099

SHEET No.

23

DATE:
FEB. 2005
DRWN. BY: JRF
CHKD: ACM

200099 DETENTION BASIN

065001