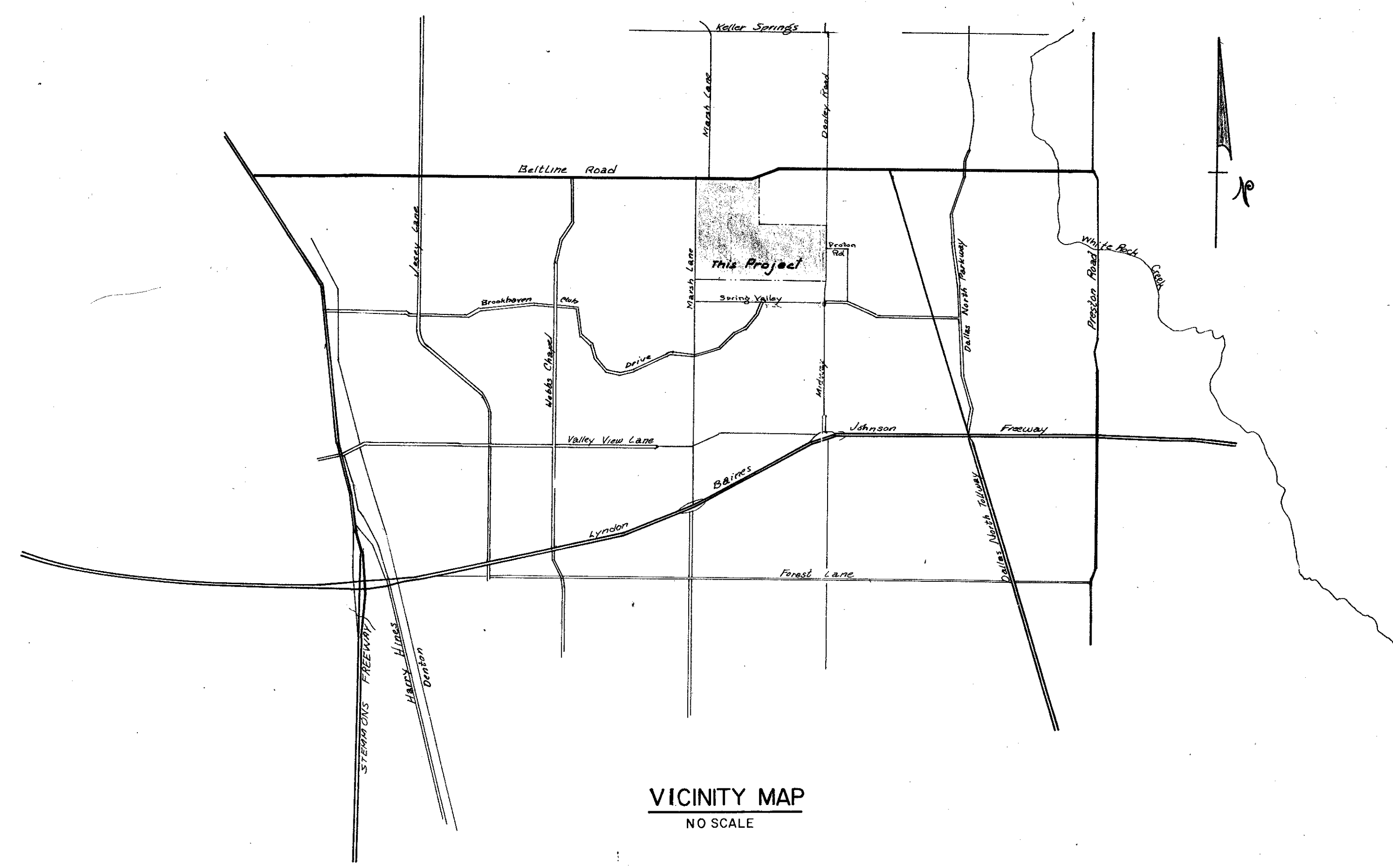


LES LACS VILLAGE

DESIGNED FOR

LES LACS VILLAGE, INCORPORATED

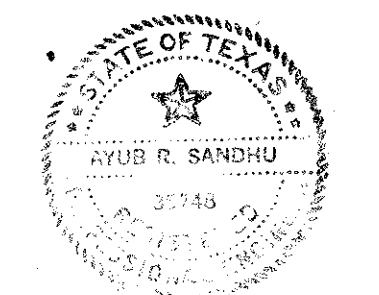


INDEX

- TITLE SHEET
- $\frac{1}{12}$ to $\frac{13}{12}$ - PAVING PLANS
- $\frac{1}{9}$ - DRAINAGE AREA MAP
- $\frac{2}{9}$ to $\frac{5}{9}$ - STORM SEWER PROFILES
- $\frac{1}{9}$ to $\frac{3}{9}$ - WATER & SANITARY SEWER PLAN
- $\frac{4}{9}$ to $\frac{5}{9}$ - WATER PROFILES
- $\frac{6}{9}$ to $\frac{8}{9}$ - SANITARY SEWER PROFILES
- DETAILS

DESIGNED BY

RAYMOND J. COOPERSON, INCORPORATED CONSULTING ENGINEERS



3/27/02

- All water mains shall be PVC Class 200 water pipe.
- All water mains shall have a minimum cover below finished grades as follows: 6" & 8" - 48", 12" - 60", or as required to clear other utilities.
- The location of all utilities are taken from existing public records. The exact location must be determined by the Contractor. It is the duty of the contractor to ascertain whether any other facilities (additional), other than those on the plans may be present.
- All utility trenches under proposed paving shall be backfilled and compacted to 90% Standard Proctor Density.
- All manholes, cleanouts, valve boxes, fire hydrants, etc., must be adjusted to proper line and grade by the Contractor after placing of permanent paving.
- All work and materials shall be in accordance with the City of Addison Standard Specifications.
- Contractor shall be responsible for providing "as-built" plans to the Engineer showing the location of sewer service by distance to the lot lines.

NOTE: Contractor will field locate & notify Engineer of any conflicts between ex. utilities & proposed construction prior to construction!!!

NOTE: Contractor will field locate & notify Engineer of any conflicts between ex. utilities & proposed construction prior to construction!!!

BELTLINE

ROAD

BELTWAY DRIVE

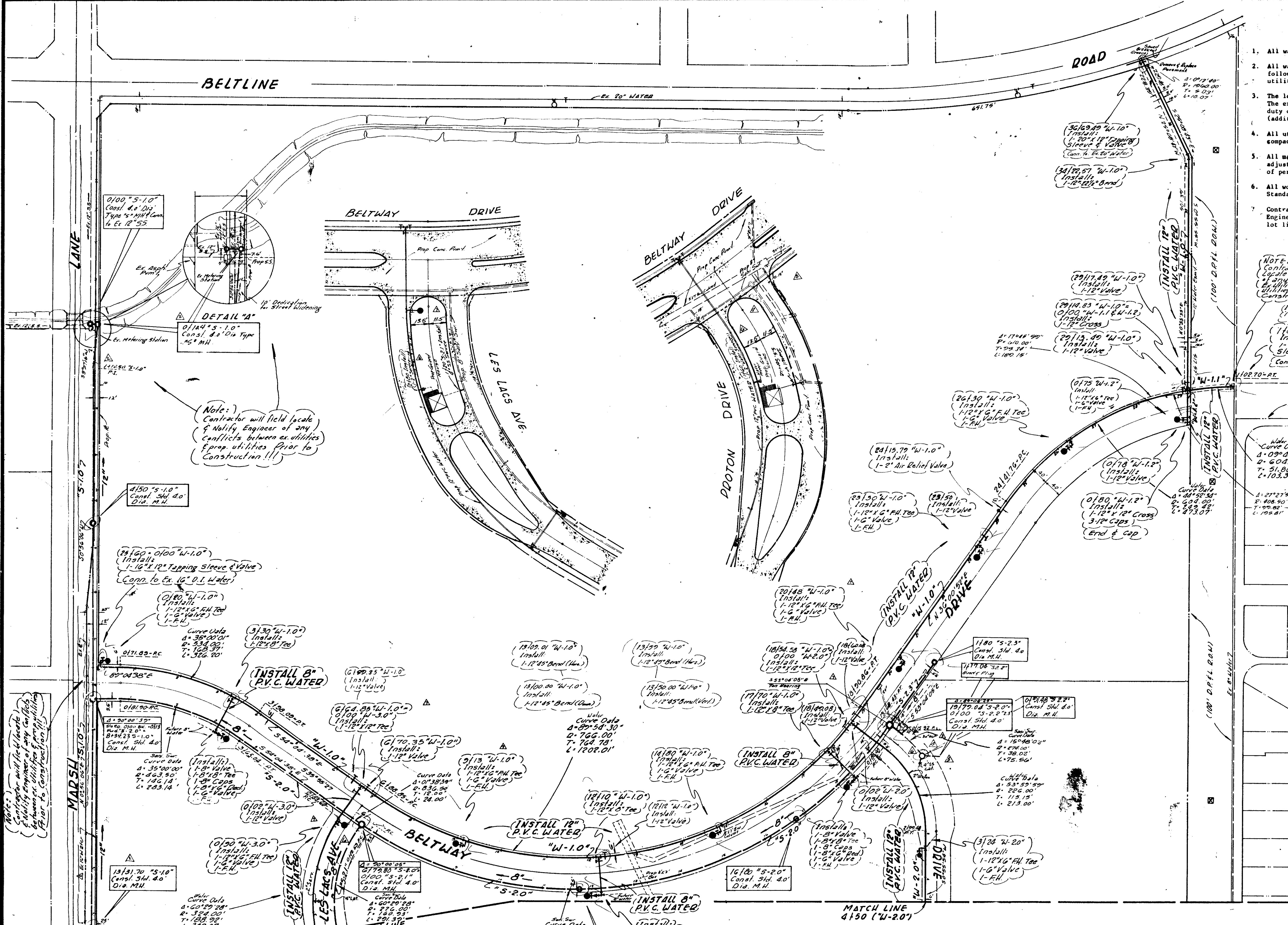
BELTWAY DRIVE

PROTON DRIVE

LES LACS AVE.

DETAIL "A"

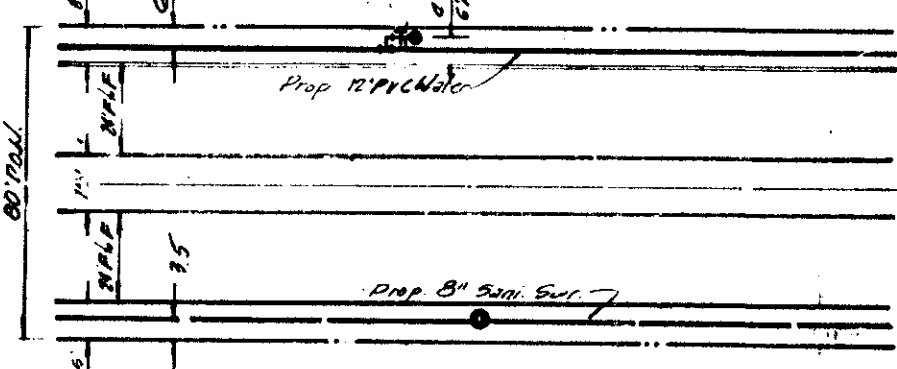
Note: Contractor will field locate & notify Engineer of any conflicts between ex. utilities & proposed construction prior to construction!!!



NOTE: Contractor will field locate & notify Engineer of any conflicts between ex. utilities & proposed construction prior to construction!!!

MATCH LINE 1410 (S-10)

TYPICAL UTILITY LOCATION DETAIL (60' R.O.W. 1/4" Scale)



TYPICAL UTILITY LOCATION DETAIL (60' R.O.W. 1/4" Scale)

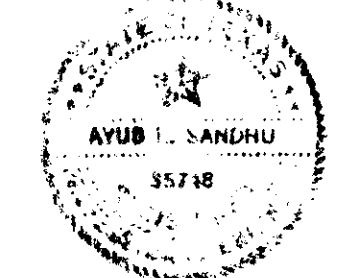
- Revised Station & Curve Data Line "S-2.0" "S-2.1" "S-2.3"
- 9/17/81 Revised alignment and stations Sanitary Sewer Line "S-1.0" and Revised location exist 16" water on Marsh Lane
- 10/20/81 Added Sanitary Sewer Curve Data "S-2"
- 11/20/81 Revised Line "S-2" "S-2.1" Lateral
- 12/29/81
- 12/10/81 Revised Guard House Utilities
- 3/20/82 Revised As Per As-Built

WATER & SANITARY SEWER PLAN

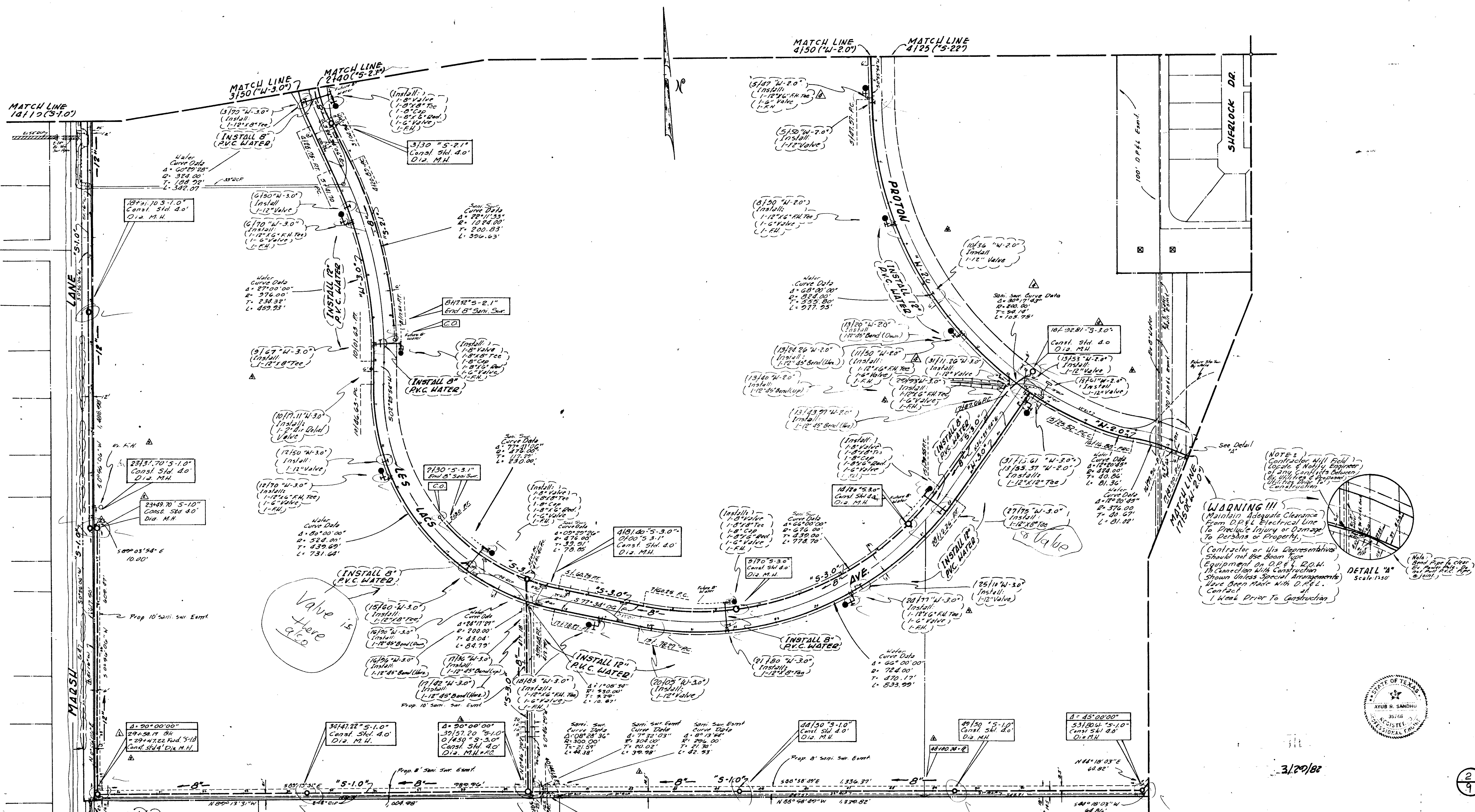
RAYMOND L. GOODSON JR., INC., CONSULTING ENGINEERS

CITY OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTE	FILE NO.
Raymond L. Goodson			1" = 100'	R.L.G.	



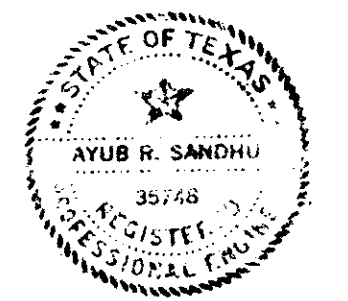
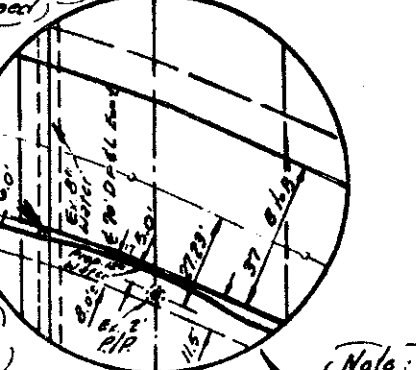
3/20/82



Note:
Contractor will field locate
& notify Engineer of any
conflicts between ex. utilities
& prop. utilities prior to
construction.

WARNING!!!
(Maintain Adequate Clearance
From D.P.E.L. Electrical Line
To Prevent Injury or Damage
To Persons or Property.)

(Contractor or His Representative
Should not Use Boom Type
Equipment On D.P.E.L. B.O.M.
In Connection With Construction
Unless Special Arrangements
Have Been Made With D.P.E.L.
Contact
1 Week Prior To Construction)



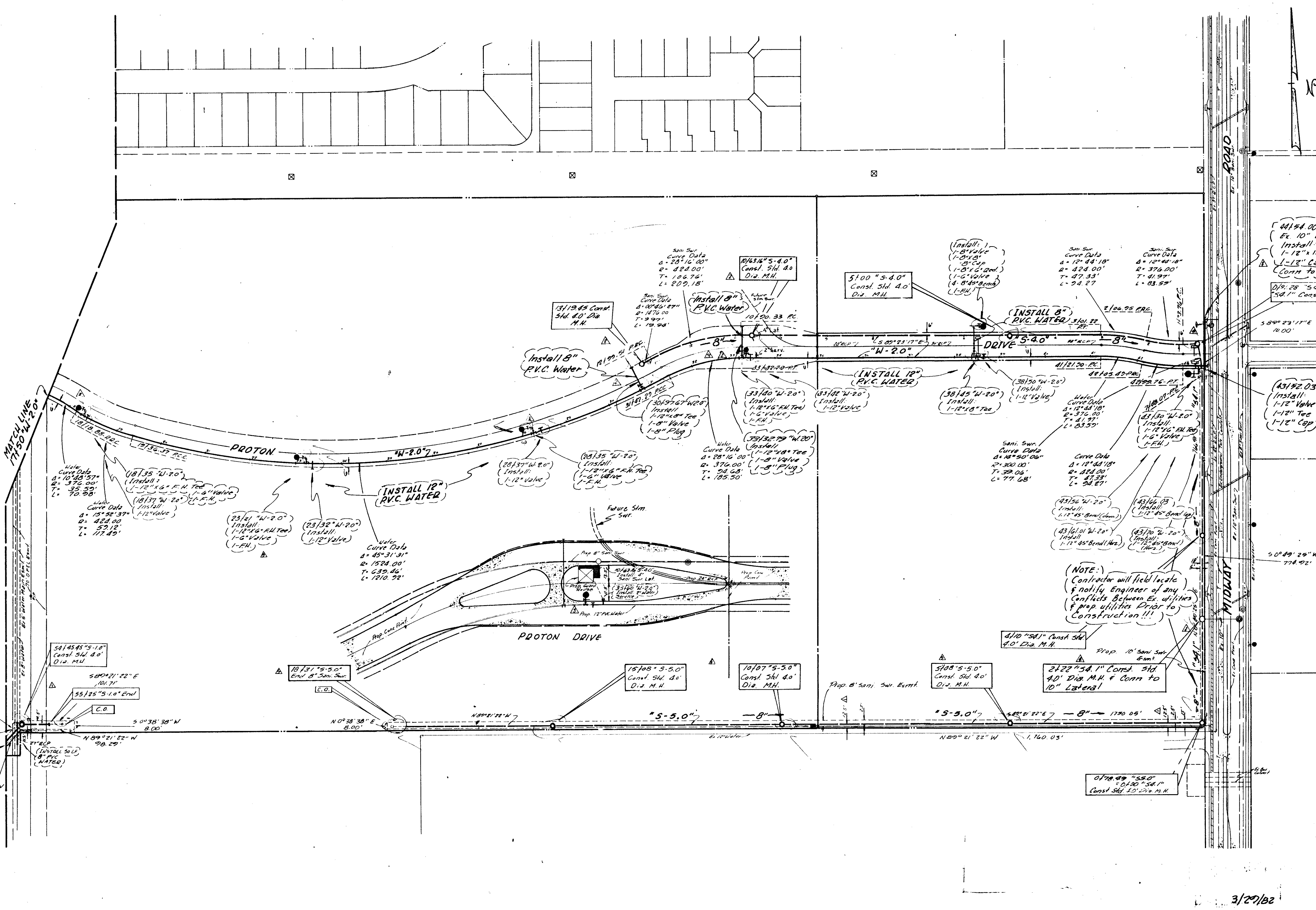
3/20/82

2/9

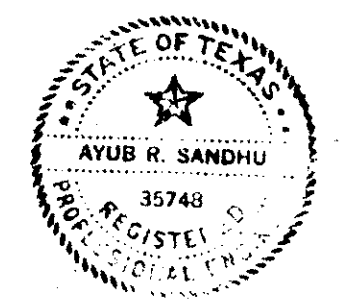
WATER & SANITARY SEWER PLAN						
RAYMOND L. GOODSON JR., INC., CONSULTING ENGINEERS						
CITY OF ADDISON, TEXAS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE NO.	
Raymond L. Goodson			1" = 100'	R.L.G.		

Revised F.H. Line "W-20"
Revised M.H. Line "S-30"
Deleted S.S. Line "S-32"
11/23/81
Revised As Per As Built
3/20/82

9/1/81 Revised alignment and stations and
Added M.H. to Sanitary Sur. Line "S-10", and
Revised Location exist. 16" Water on Marsh Ln.
Added 18 LF 12" P.C.
3/30/81 Revised Locations Sanitary Sewer



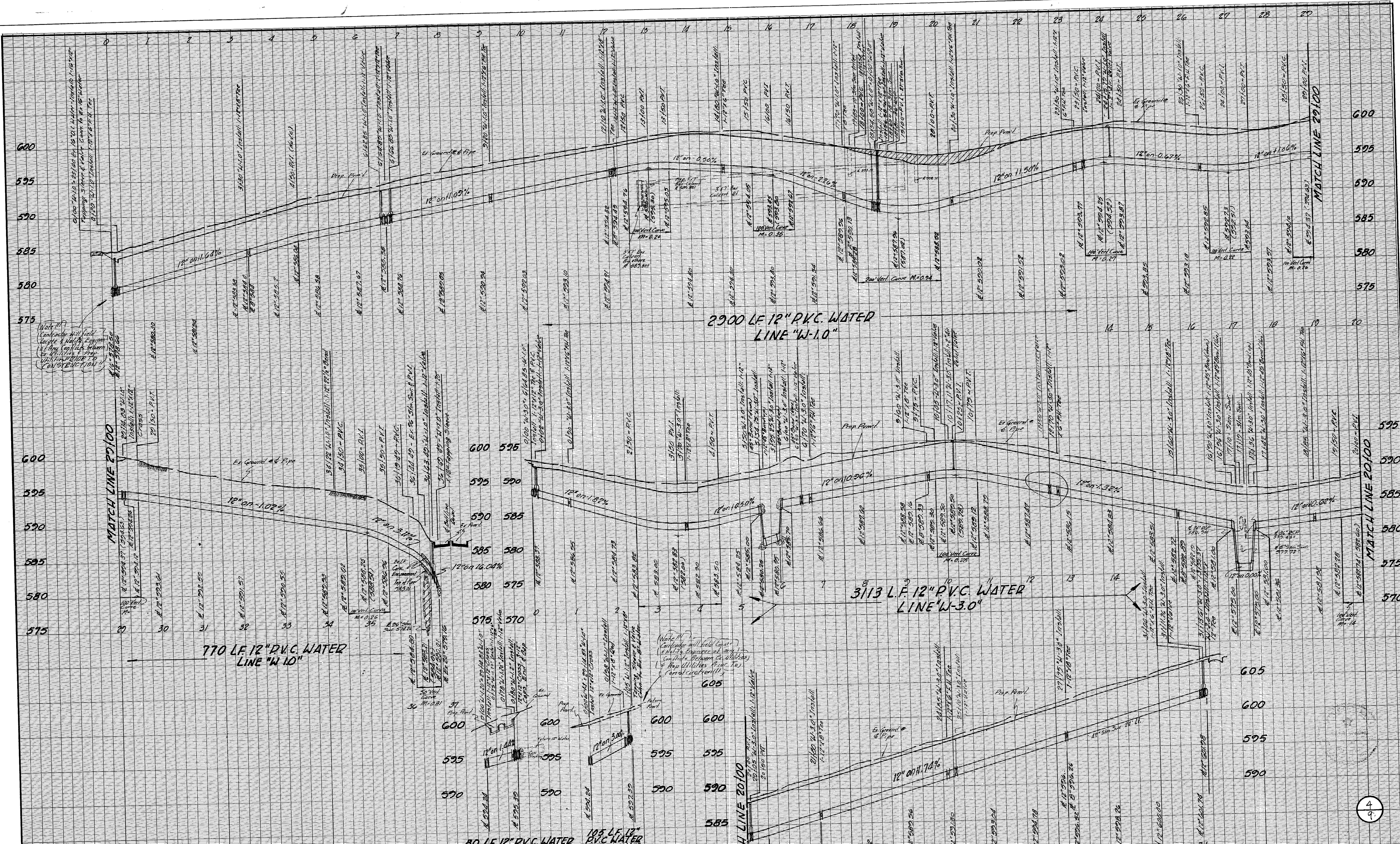
(NOTE)
Contractor will field locate & notify Engineer of any conflicts between Ex. utilities & prop. utilities Prior to Construction!!!



3/29/82

- Δ 4-30-81 Revised Location "S-5.0" & "S1.0"
- Δ 1-23-81 Revised FH, 34.0' & 20.135
- Added "S" Service 30157676, 3313277
- Deleted C.O. Sta. 13110 "S4.0"
- Add M.H. 13119.45
- Added Line "S4.1"
- Δ 12/10/81 Revised Guard House Utilities
- Δ 2/10/82 Revised Changed Water Line "W2.0" & Added M.H. Line "S4.1"
- Δ 3/29/82 Revised As Per As BUILT

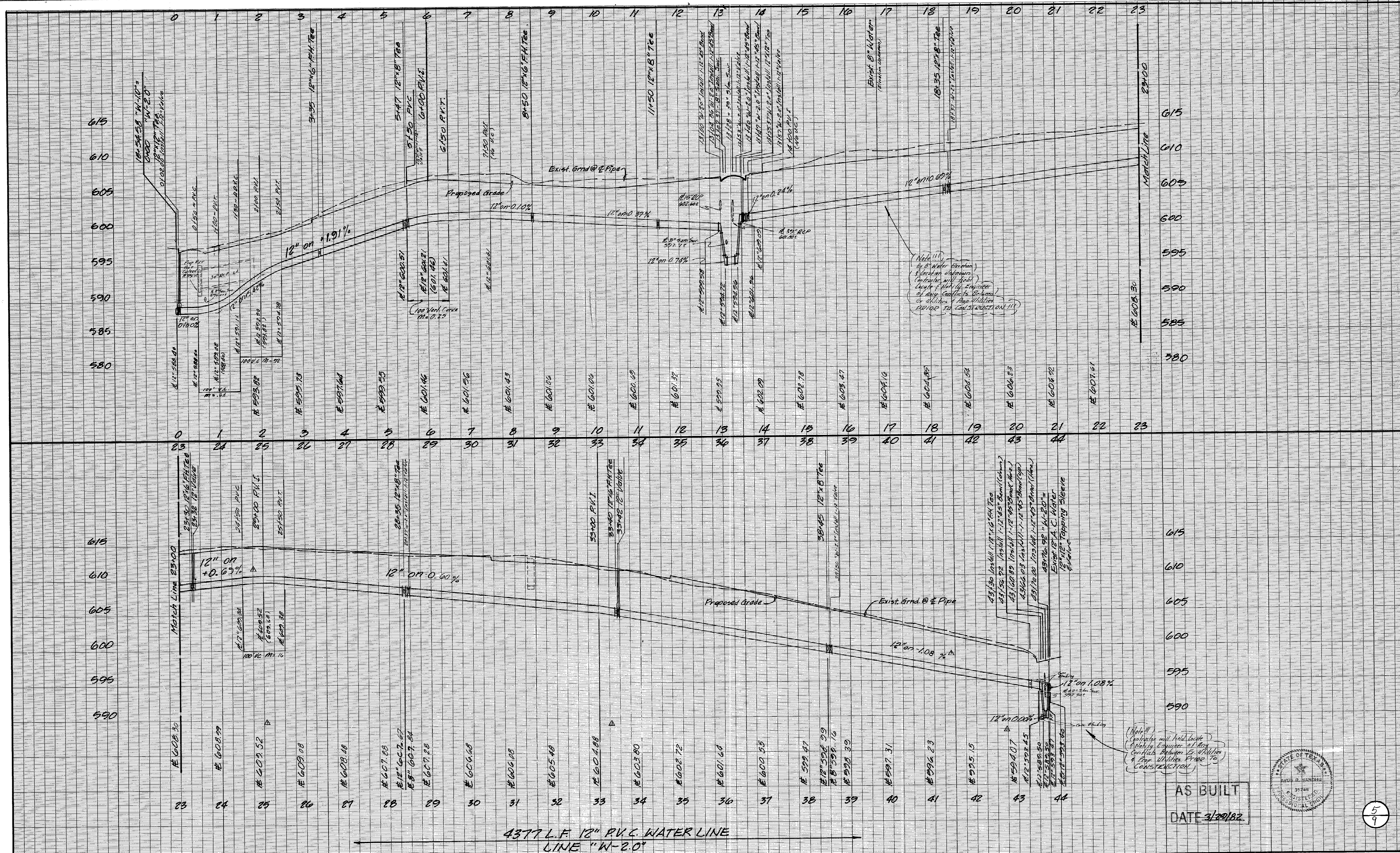
WATER & SANITARY SEWER PLAN					
RAYMOND L. GOODSON JR., INC., CONSULTING ENGINEERS					
CITY OF ADDISON, TEXAS					
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE NO.
Raymond L. Goodson			1"=100'	R.L.G.	



- BENCH MARKS**
1. Railroad Spike in 12" Willow 250+ feet East Centerline Old Marsh Lane & 75+ feet North Centerline Belt Line. Elev. 576.32
 2. "C" Top of Curb at the Center of West of Centerline Commercial at the North Side of Belt Line Road. Elev. 580.83
 3. "C" Top of Concrete Footing at Southeast Corner Tower #128-3W-T287. Elev. 597.83
 4. "C" Top of Concrete Footing at Northwest Corner Tower #128-3W-T285. Elev. 605.20
 5. "C" Top of Concrete Footing at Northwest Corner Tower #128-3W-T290 at angle point in Tower line. Elev. 613.16
 6. "C" Top of Concrete Footing at Southwest Corner Tower #128-3W-T291. Elev. 619.46
 7. "C" Cut at top of Concrete Footing at Tower #128-2W-T294. Elev. 607.46

WATER PROFILES						
LINES "W-1.0", "W-3.0", "W-1.1" & "W-1.2"						
RAYMOND L. GOODSON JR. INC., ENGINEERS						
CITY OF ADDISON, TEXAS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
RLG	RLG	July, 1981	1"=40' H. 1"=60' V.	RLG		

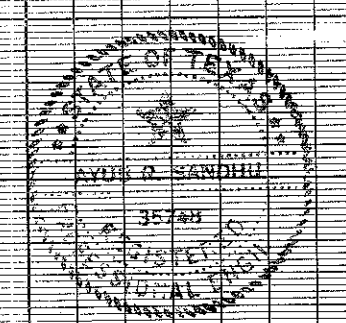
AS BUILT
DATE 3/29/82



(Note III)
 Contractor will hold back
 liability insurance of \$100,000
 until 60 days after completion
 of work. If the contractor
 fails to do this, the engineer
 will be liable for the amount
 of the contract.

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 liability insurance of \$100,000
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 fails to do this, the engineer
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AS BUILT
 DATE 3/29/82

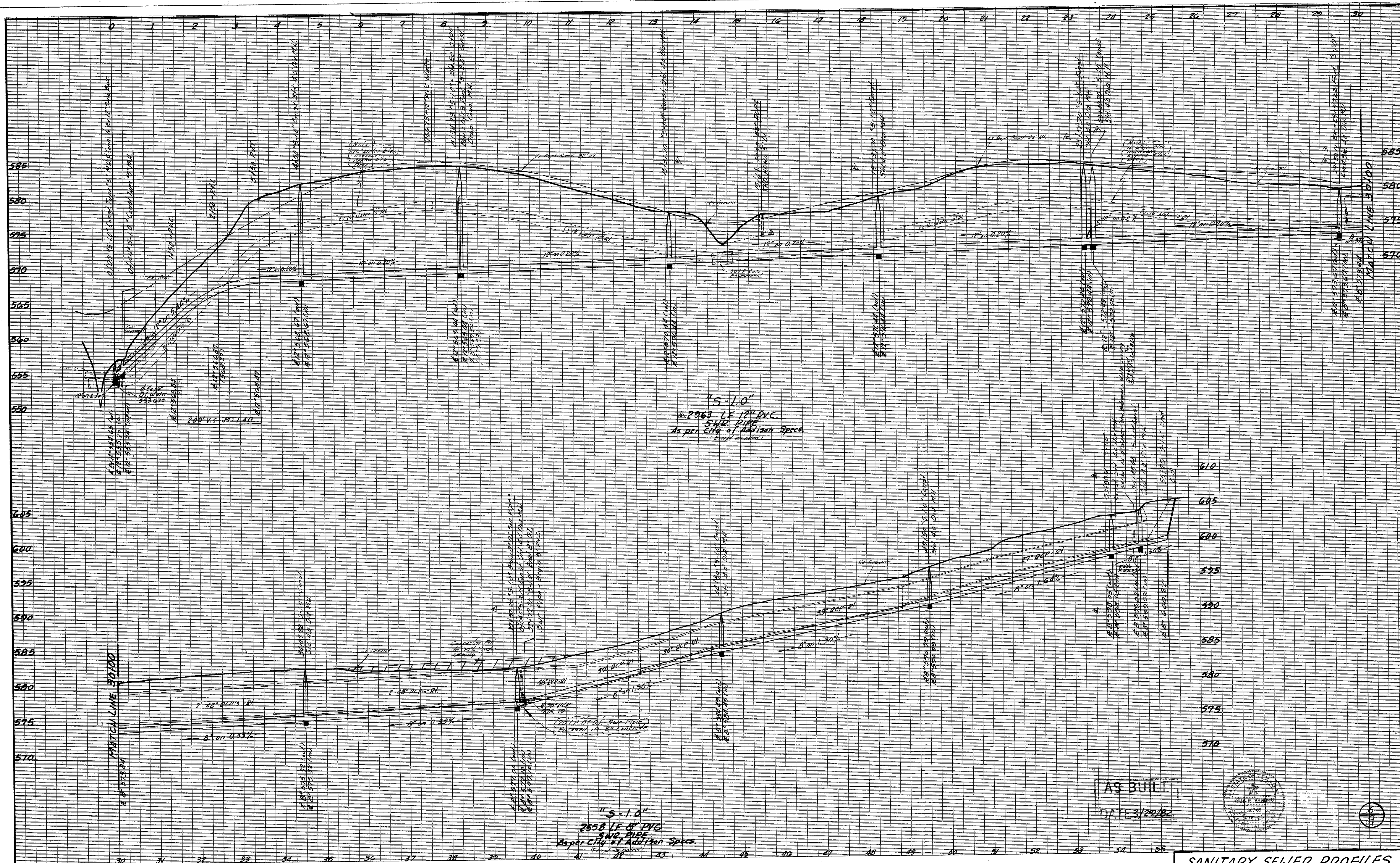


5
9

Revised 10-21-81 Changed Grades
 & Flow Lines.

- BENCH MARKS**
1. Railroad Spike in 12" Willow 250+ feet East Centerline Old Marsh Lane & 75+ feet North Centerline Belt Line. Elev. 576.32
 2. "□" Top of Curb at the Center of a 10' inlet and 75+ feet West of Centerline Commercial at the North Side of Belt Line Road. Elev. 580.83
 3. "□" Top of Concrete Footing at Southeast Corner Tower #13N-3W-T287. Elev. 597.93
 4. "□" Top of Concrete Footing at Northwest Corner Tower #12N-3W-T288. Elev. 605.20
 5. "□" Top of Concrete Footing at Northwest Corner Tower #12N-3W-T290 at angle point in Tower line. Elev. 613.16
 6. "□" Top of Concrete Footing at Southwest Corner Tower #12N-3W-T291. Elev. 619.46
 7. "□" Cut at top of Concrete Footing at Tower #12N-2W-T294. Elev. 607.46

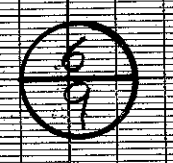
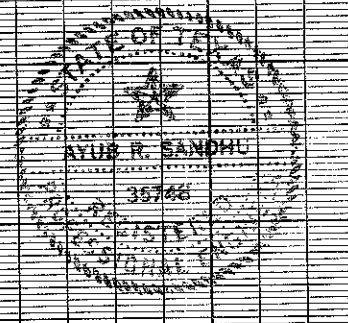
WATER PROFILE						
LINE "W-2.0"						
RAYMOND L. GOODSON JR. INC., ENGINEERS						
CITY OF ADDISON, TEXAS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
R.L.G.	R.L.G.	JULY, 1981	1"=100'H 1"=4'V.	R.L.G.		



"S-1.0"
 2963 LF 12" PVC.
 54K. PIPE
 As per City of Addison Specs.
 (Printed on sheet)

"S-1.0"
 2558 LF 8" PVC
 9WK. PIPE
 As per City of Addison Specs.
 (Printed on sheet)

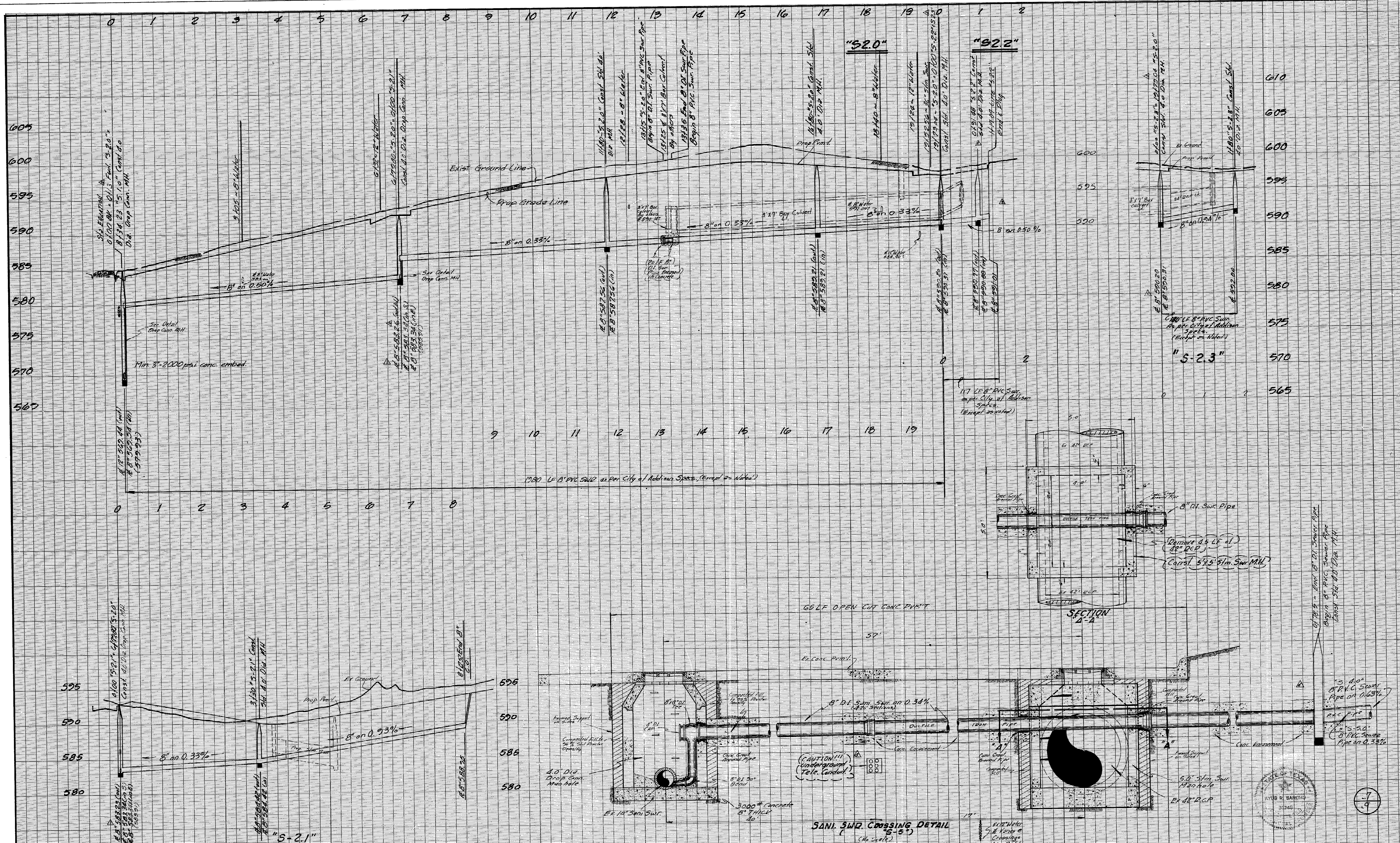
AS BUILT
 DATE 3/29/82



SANITARY SEWER PROFILES
 LINE "S-1.0"
 LES LACS VILLAGE INC.
 RAYMOND L. GOODSON JR. INC. ENGINEERS
 CITY OF ADDISON, TEXAS

9/17/81 Revised stations Line "S-1.0"
 Added M.H. E.
 18 LF. 12" PVC.
 9/30/81 Revised stations Line "S-1.0"

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
RLG	RLG	Aug, 1981	1"=100' H 1"=6' V.	RLG		



- ▲ Revised Stationing & Flow Lines @ 5.0' "S-2.0" "S-2.1"
- ▲ Revised Stationing 1/10/81
- ▲ 11/10/81 Revised Line "S-2.0"
- ▲ 11/23/81 Revised Line "S-2.1"
- ▲ 12/10/81 Revised Line "S-2.2"

AS BUILT
DATE 3/29/82

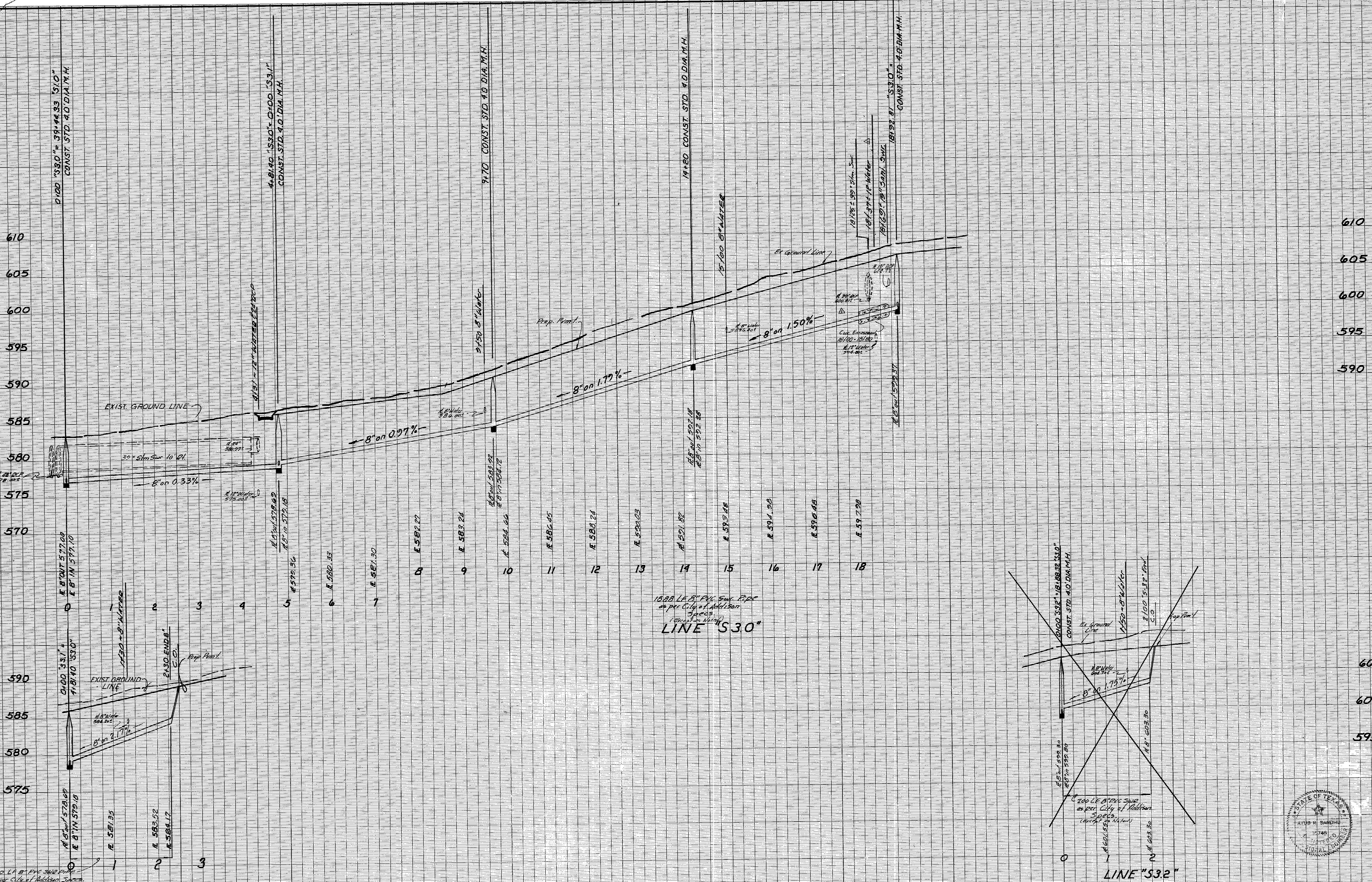
SANI. SWR. CROSSING DETAIL
(No Scale)
BENCH MARK

1. Railroad Spike in 12" Willow 250' East Centerline Old Marsh Lane & 75' East North Centerline Belt Line. Elev. 576.32
2. "□" Top of Curb at the Center of a 10" inlet and 75' East of Centerline Commercial at the North Side of Belt Line Road. Elev. 580.63
3. "□" Top of Concrete Footing at Southeast Corner Tower #12N-3W-T287. Elev. 587.83
4. "□" Top of Concrete Footing at Southwest Corner Tower #12N-3W-T288. Elev. 603.20
5. "□" Top of Concrete Footing at Northwest Corner Tower #12N-3W-T290 at angle point in Tower line. Elev. 613.16
6. "□" Top of Concrete Footing at Southwest Corner Tower #12N-3W-T291. Elev. 619.46
7. "□" Cut at top of Concrete Footing at Tower #12N-3W-T294. Elev. 607.46

SANITARY SEWER PROFILES
LINES "52.0", "52.1", "52.3"

RAYMOND L. GOODSON JR. INC. ENGINEERS
CITY OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
RLG	RLG	JULY, 1981	1"=100' H 1"=6' V	RLG	80	95



18.00 L.F. 8\"/>

18.00 L.F. 8\"/>

LINE 'S3.1'

LINE 'S3.2'

11/18/81 Eliminate Line "S3.2"
 Relocated End of Line "S3.0"
 Added 30 L.F. Conc. Encasement

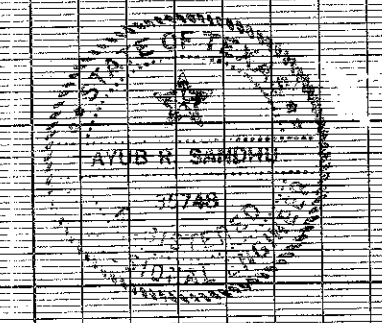
AS BUILT
 DATE 3/29/82

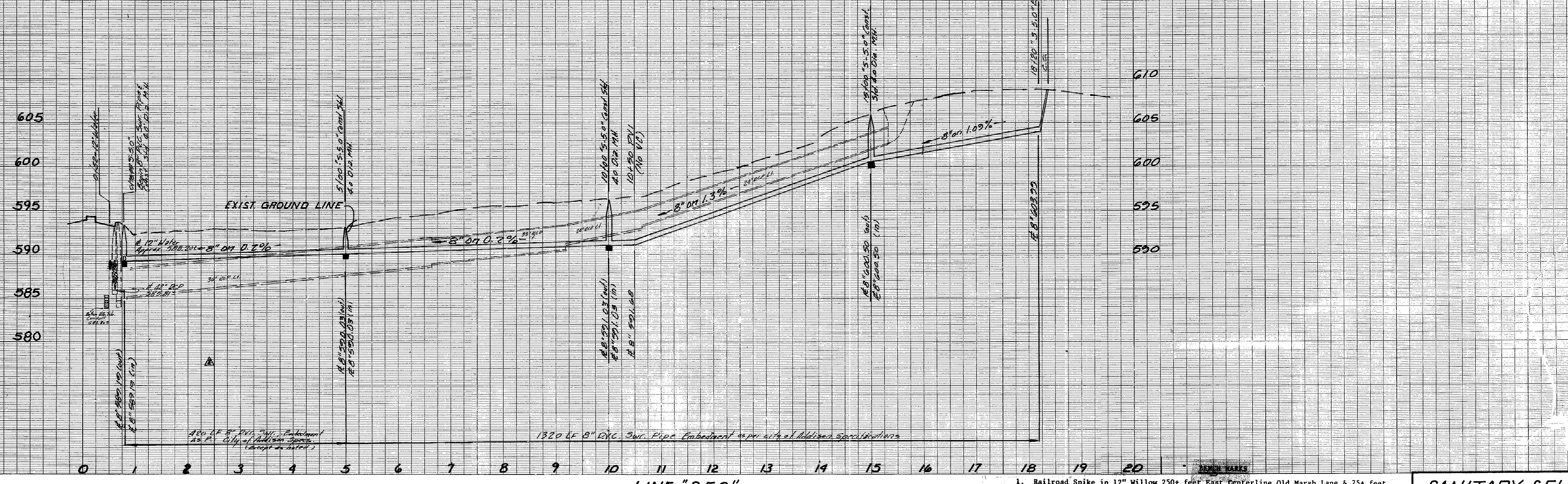
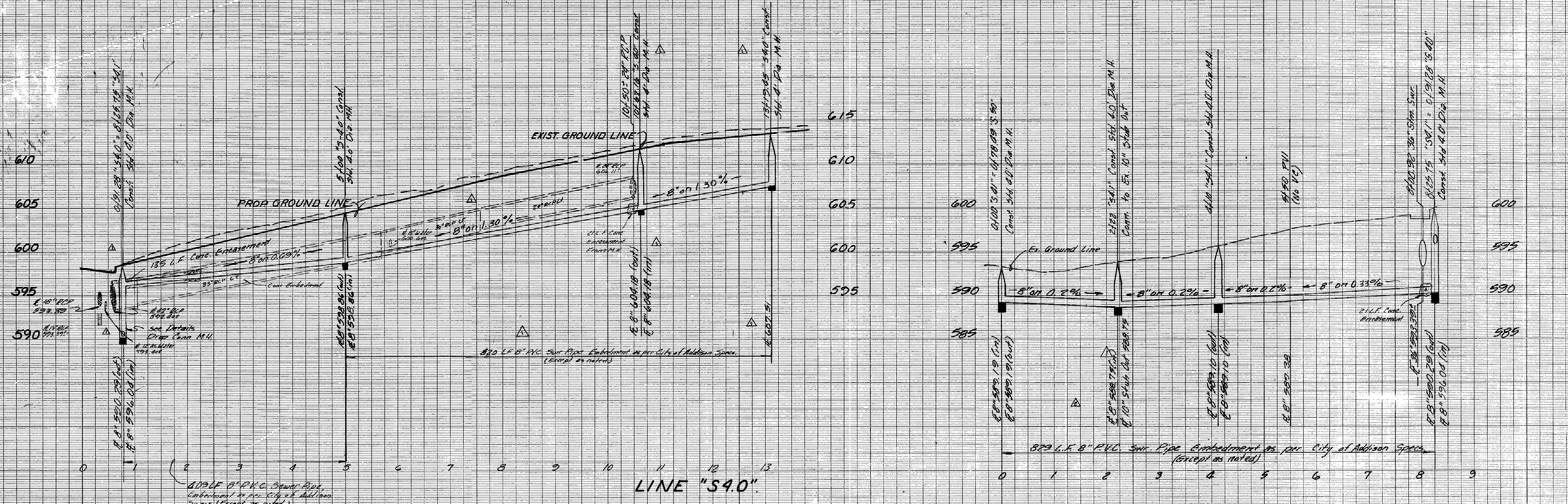
- BENCH MARKS
1. Railroad Spike in 12" Willow 250+ feet East Centerline Old Marsh Lane & 75+ feet North Centerline Belt Line. Elev. 576.32
 2. "□" Top of Curb at the Center of a 10' inlet and 75+ feet West of Centerline Commercial at the North Side of Belt Line Road. Elev. 580.83
 3. "□" Top of Concrete Footing at Southeast Corner Tower #13N-3W-T287. Elev. 597.83
 4. "□" Top of Concrete Footing at Northwest Corner Tower #12N-3W-T288. Elev. 605.20
 5. "□" Top of Concrete Footing at Northwest Corner Tower #12N-3W-T290 at angle point in Tower line. Elev. 613.16
 6. "□" Top of Concrete Footing at Southwest Corner Tower #12N-3W-T291. Elev. 619.46
 7. "□" Cut at top of Concrete Footing at Tower #12N-2W-T294. Elev. 607.46

SANITARY SEWER PROFILES
 LINES S3.0, S3.1, S3.2, & S3.3

RAYMOND L. GOODSON JR., INC. ENGINEERS
 CITY OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
R.L.G.	R.L.G.	JULY 1981	1" = 100' 1" = 60'	R.L.G.	80	95





11/23/01 Revised Line "S4.0"
 Added Line "S4.1"
 2/01/02 Revised Line "S4.1" & "S5.0"

AS BUILT
 DATE 3/29/02

- Railroad Spike in 12" Willow 250' feet East Centerline Old Marsh Lane & 75+ feet North Centerline Belt Line. Elev. 576.32
- "□" Top of Curb at the Center of a 10' inlet and 75+ feet West of Centerline Commercial at the North Side of Belt Lane Road. Elev. 580.83
- "□" Top of Concrete Footing at Southeast Corner Tower #13N-3W-T287. Elev. 597.83
- "□" Top of Concrete Footing at Northwest Corner Tower #12N-3W-T288. Elev. 605.20
- "□" Top of Concrete Footing at Northwest Corner Tower #12N-3W-T290 at angle point in Tower line. Elev. 613.16
- "□" Top of Concrete Footing at Southwest Corner Tower #12N-3W-T291. Elev. 619.46
- "□" Out at top of Concrete Footing at Tower #12N-2W-T294. Elev. 607.46

SANITARY SEWER PROFILES
LINES S4.0 & S5.0

RAYMOND L. GOODSON JR., INC., ENGINEERS
 CITY OF ADDISON, TEXAS

DESIGN	DRAWN	SHEET	FILE	NO.
R.L.G.	R.L.G.	80	80	95