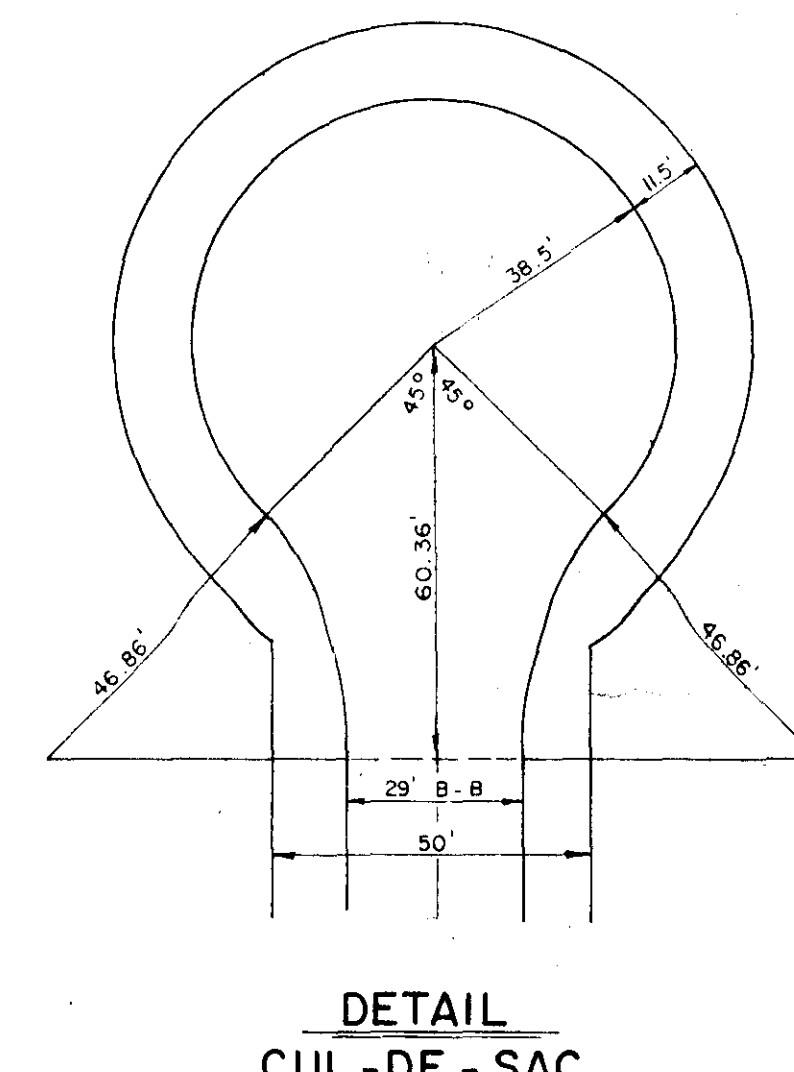
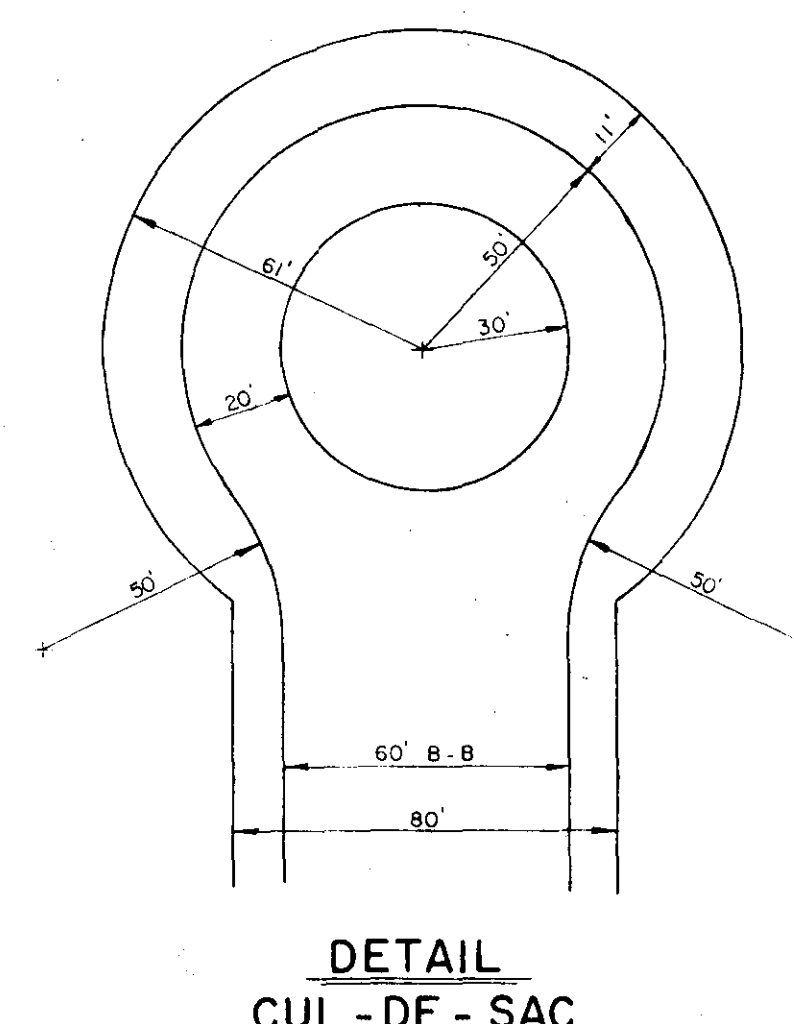
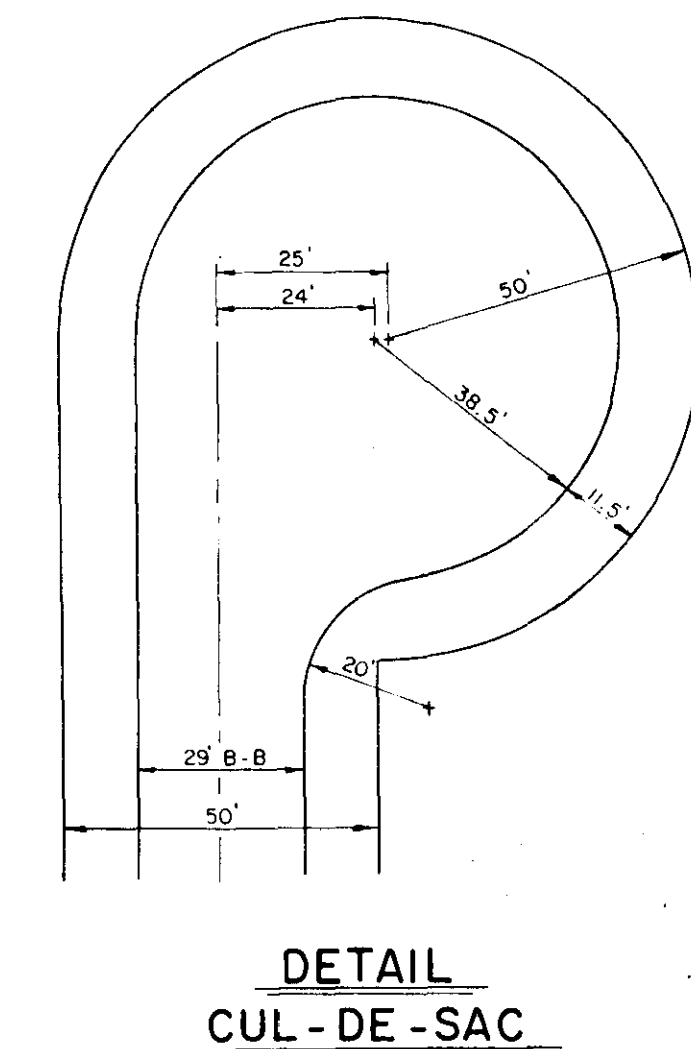
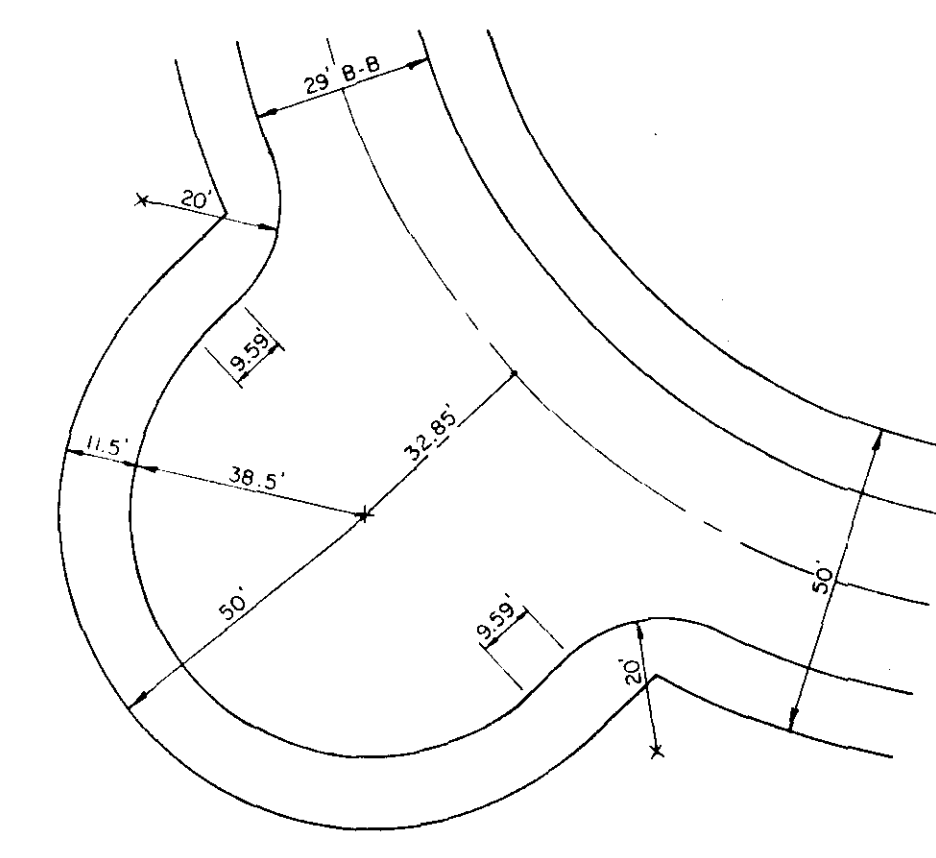
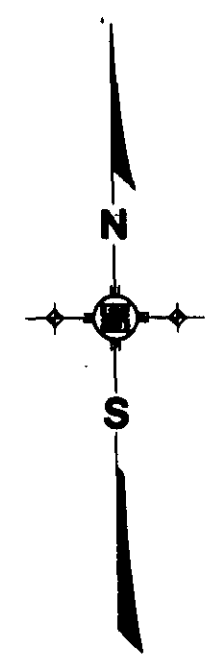
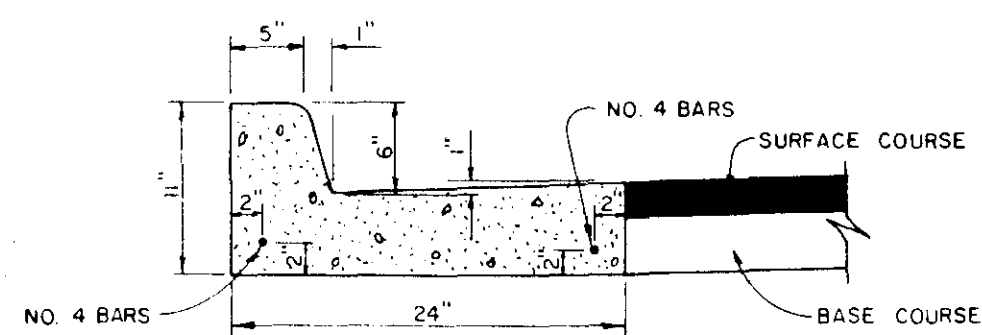
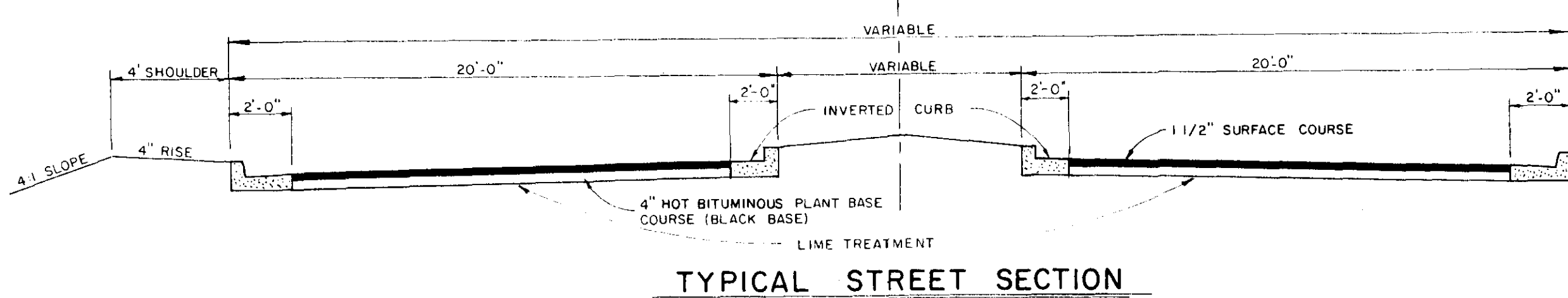
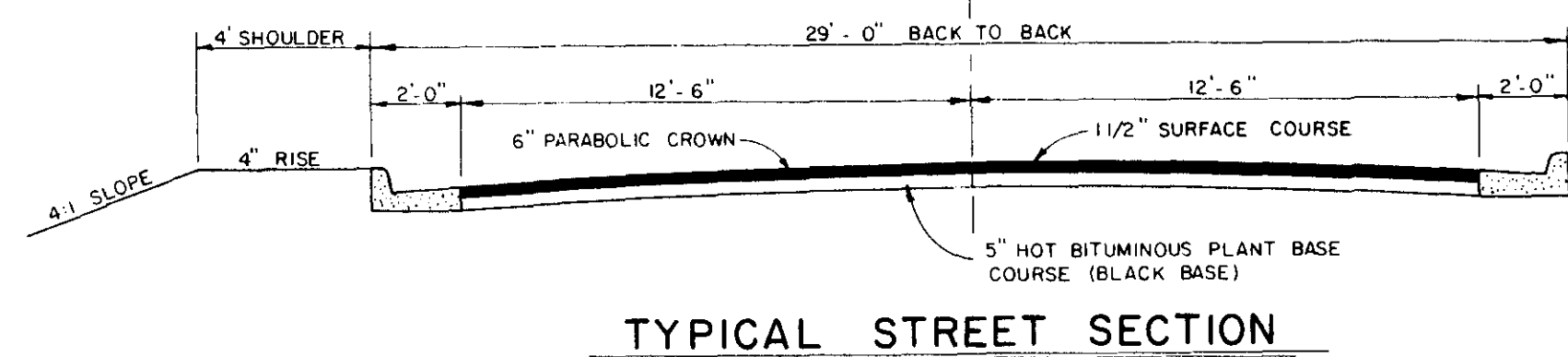


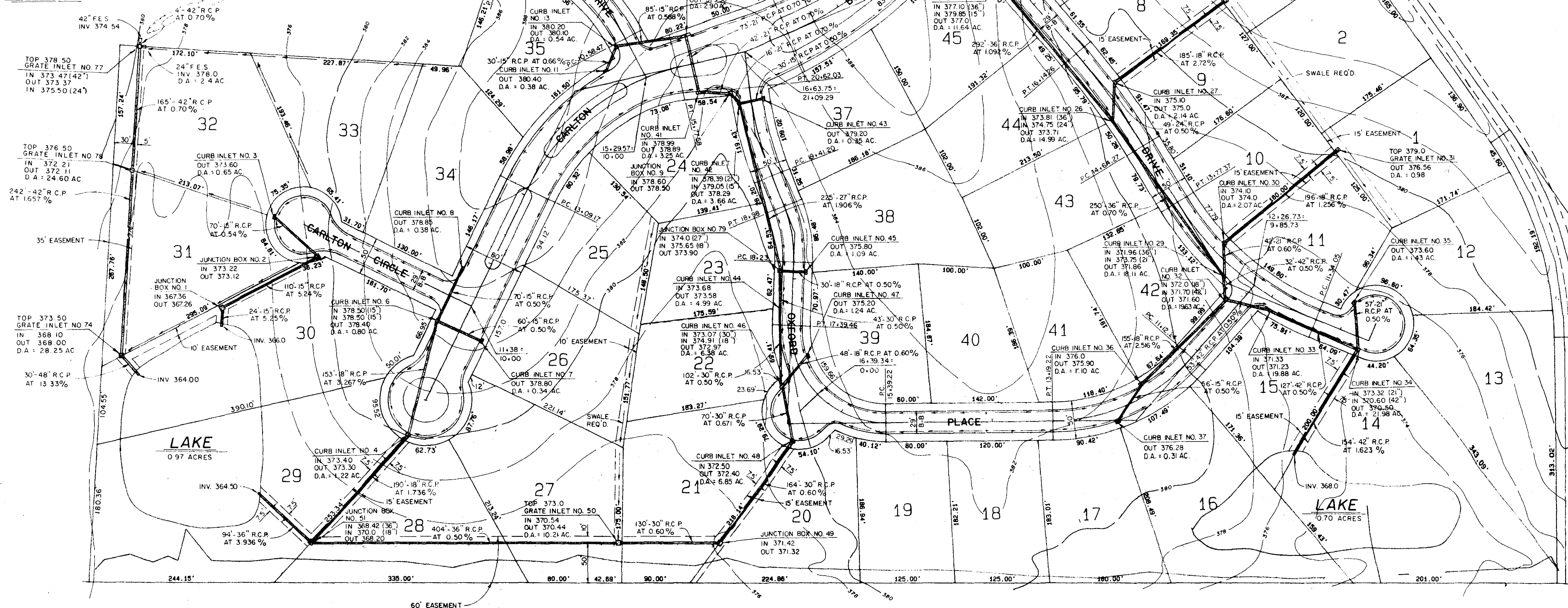
CARLTON PARKE
MADISON COUNTY, MISSISSIPPI

Reviewed 5-18-94 B.H.

PWP-00328



CURB DETAIL TYPE 'A'

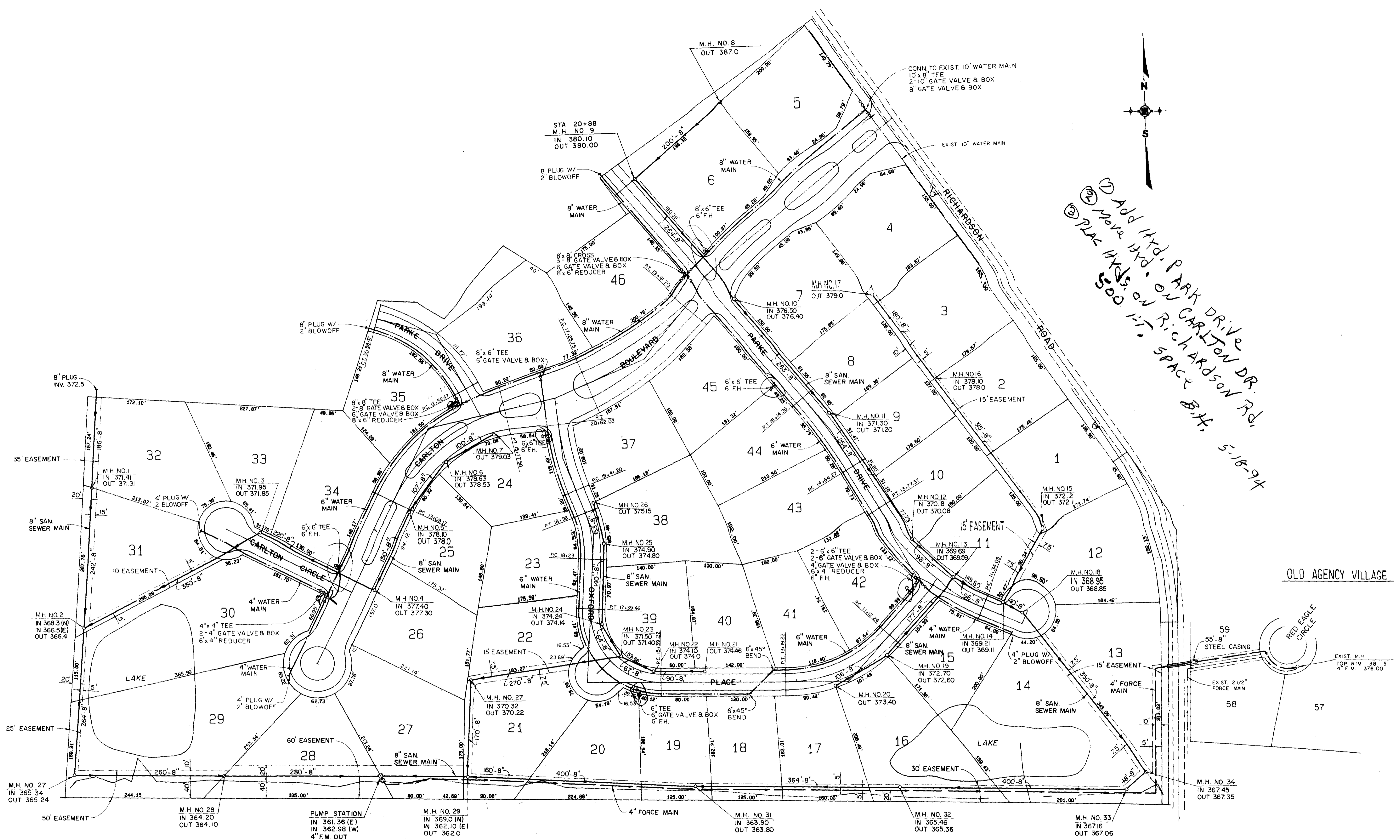


CURVE DATA

1. 11.00' 08' 25"	2. 11.00' 08' 25"	3. 11.00' 08' 25"	4. 11.00' 08' 25"	5. 11.00' 08' 25"	6. 11.00' 08' 25"	7. 11.00' 08' 25"	8. 11.00' 08' 25"	9. 11.00' 08' 25"	10. 11.00' 08' 25"	11. 11.00' 08' 25"	12. 11.00' 08' 25"	13. 11.00' 08' 25"	14. 11.00' 08' 25"	15. 11.00' 08' 25"	16. 11.00' 08' 25"	17. 11.00' 08' 25"	18. 11.00' 08' 25"	19. 11.00' 08' 25"	20. 11.00' 08' 25"	21. 11.00' 08' 25"	22. 11.00' 08' 25"	23. 11.00' 08' 25"	24. 11.00' 08' 25"	25. 11.00' 08' 25"	26. 11.00' 08' 25"	27. 11.00' 08' 25"	28. 11.00' 08' 25"	29. 11.00' 08' 25"	30. 11.00' 08' 25"	31. 11.00' 08' 25"	32. 11.00' 08' 25"	33. 11.00' 08' 25"	34. 11.00' 08' 25"	35. 11.00' 08' 25"	36. 11.00' 08' 25"	37. 11.00' 08' 25"	38. 11.00' 08' 25"	39. 11.00' 08' 25"	40. 11.00' 08' 25"	41. 11.00' 08' 25"	42. 11.00' 08' 25"	43. 11.00' 08' 25"	44. 11.00' 08' 25"	45. 11.00' 08' 25"	46. 11.00' 08' 25"
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NOTE: EACH OWNER IS RESPONSIBLE FOR MAINTENANCE OF THE DRAINAGE EASEMENT ON HIS PROPERTY, BUT AN OWNER CANNOT DIMINISH OR RESTRICT THE LINE OF SAID EASEMENT AS A WATERCOURSE FOR THE LANDS BEING DRAINED THROUGH SAID WATERCOURSE.

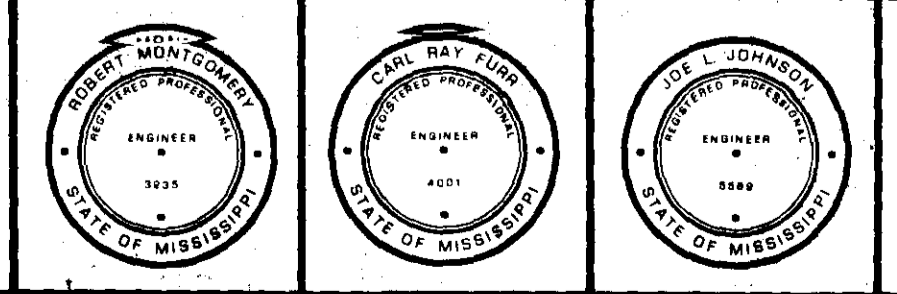
DESIGNED J.L.J.		DATE 3-94		ENGINEERING ASSOCIATES, INC. Consulting Engineers		OWNER UNDERWOOD HOMES, INC.		PROJECT TITLE CARLTON PARKE		DRAWING TITLE DRAINAGE & GEOMETRIC LAYOUT		PROJECT NO. 586	
DRAWN D.P. & M.C.		SCALE 1" = 80'		NO. 31062199*		NO. 31062199*		NO. 31062199*		NO. 31062199*		CONTRACT	
CHECKED J.L.J.		JOB NO. 002-0586-00		NO. 31062199*		NO. 31062199*		NO. 31062199*		NO. 31062199*		SHEET 1	



① Add Hyd. Park Drive on Carlton Dr.
 ② Move Hyd. on Richardson Rd.
 ③ Plac Hyd. on 500 ft. Space B.H. 5-18-94

DESIGNED J.L.J.	DATE 3-94			
DRAWN D.P. & M.C.	SCALE 1" = 80'			
CHECKED J.L.J.	JOB NO. 002-0586-00			
NO.	DATE	NATURE	BY	APPD
REVISIONS				

ENGINEERING ASSOCIATES, INC.
 Consulting Engineers

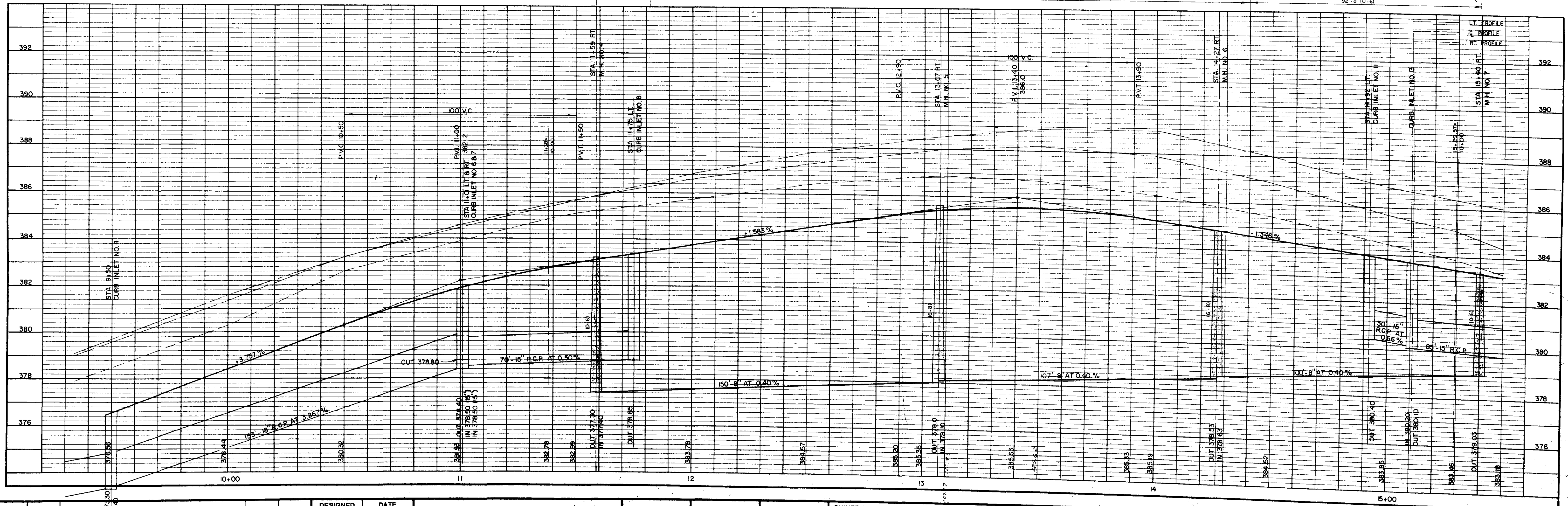
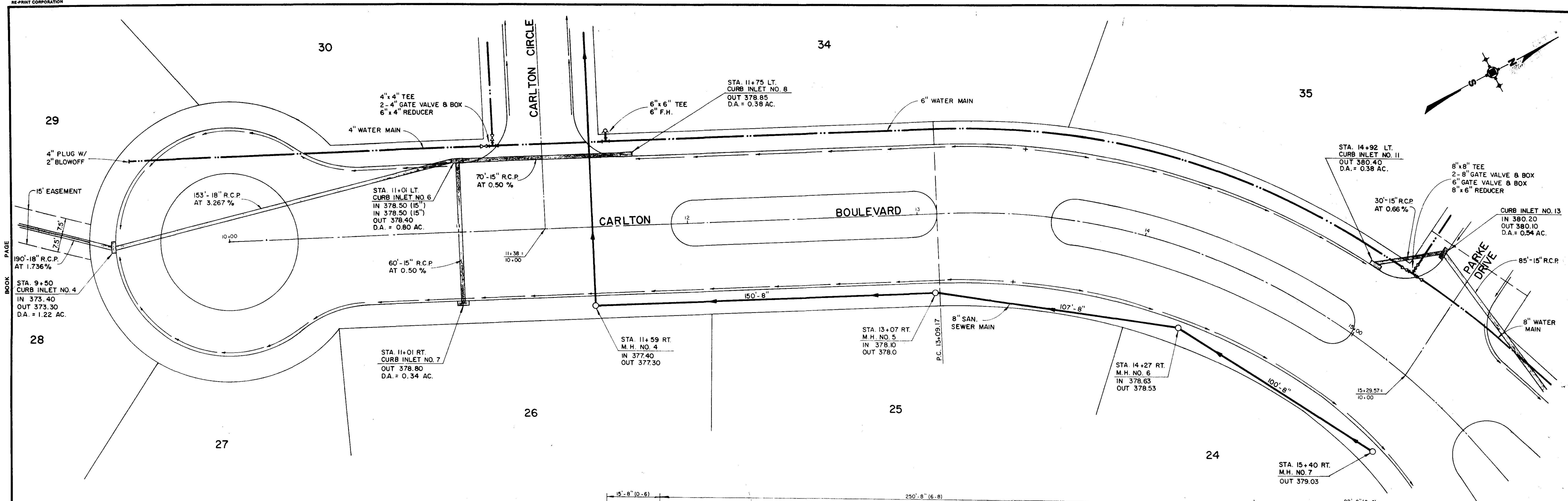


OWNER
UNDERWOOD HOMES, INC.

PROJECT TITLE
CARLTON PARKE

DRAWING TITLE
WATER & SEWER LAYOUT

PROJECT NO.
586
 CONTRACT SHEET
2



NO.	DATE	NATURE	BY	APP'D

DESIGNED J.L.J.	DATE 3-94
DRAWN D.P. & M.C.	SCALE 1" = 20'
CHECKED J.L.J.	JOB NO. 002-0586-00

ENGINEERING ASSOCIATES, INC.
Consulting Engineers



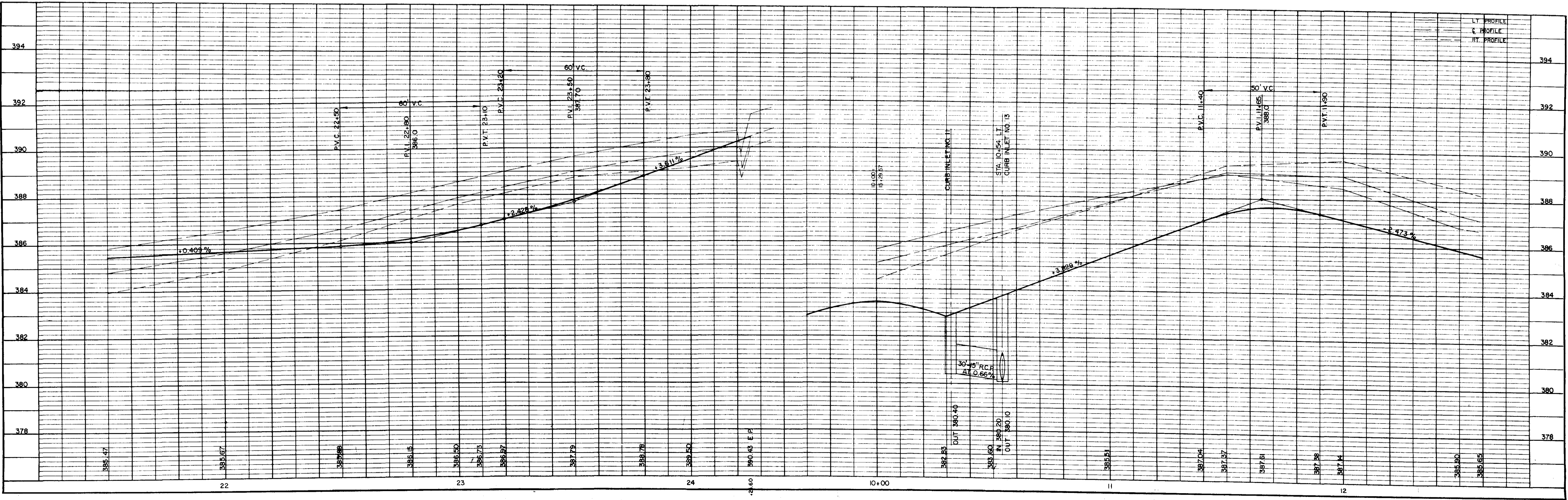
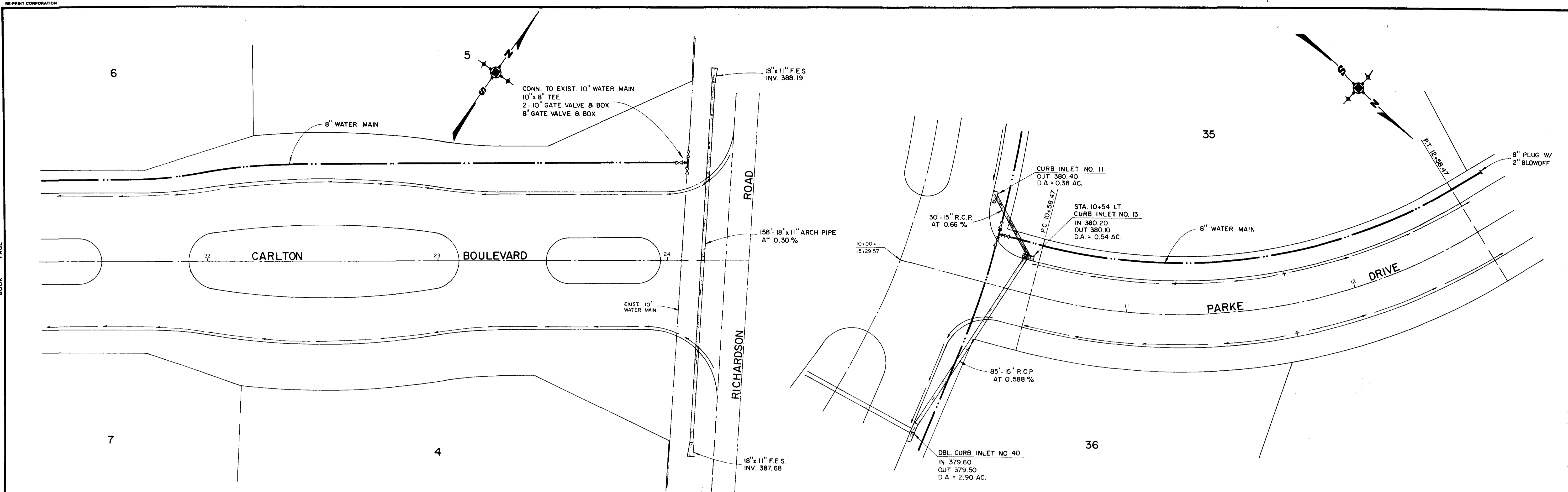
OWNER
UNDERWOOD HOMES, INC.

PROJECT TITLE
CARLTON PARKE

DRAWING TITLE
PLAN - PROFILE

PROJECT NO.
586

CONTRACT SHEET
3



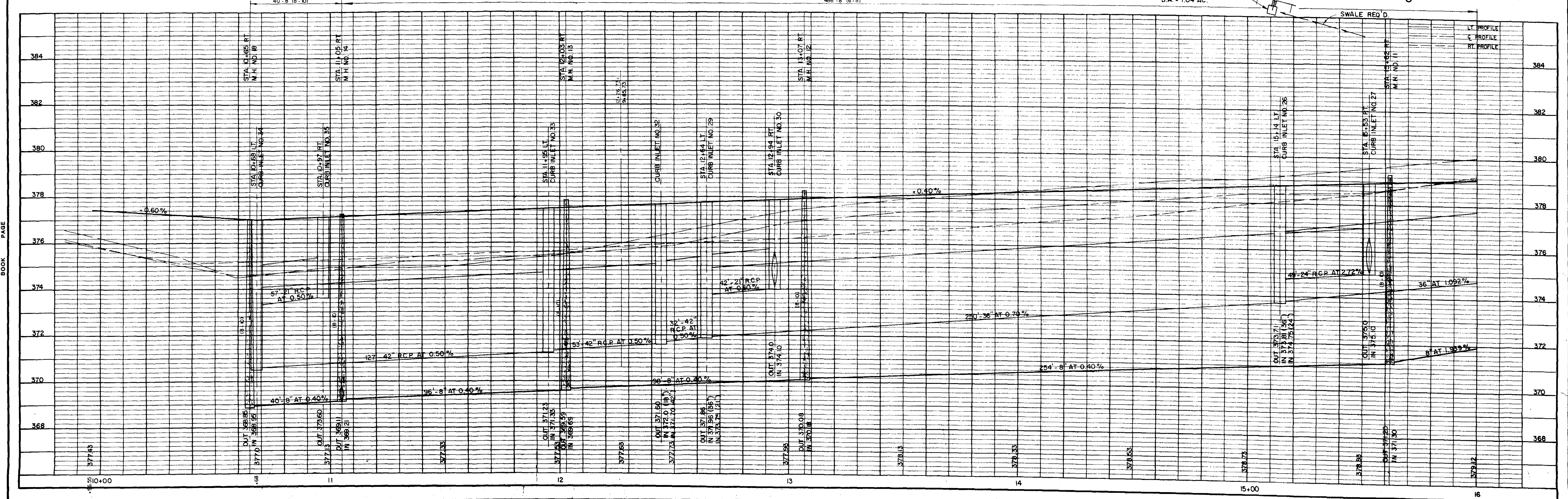
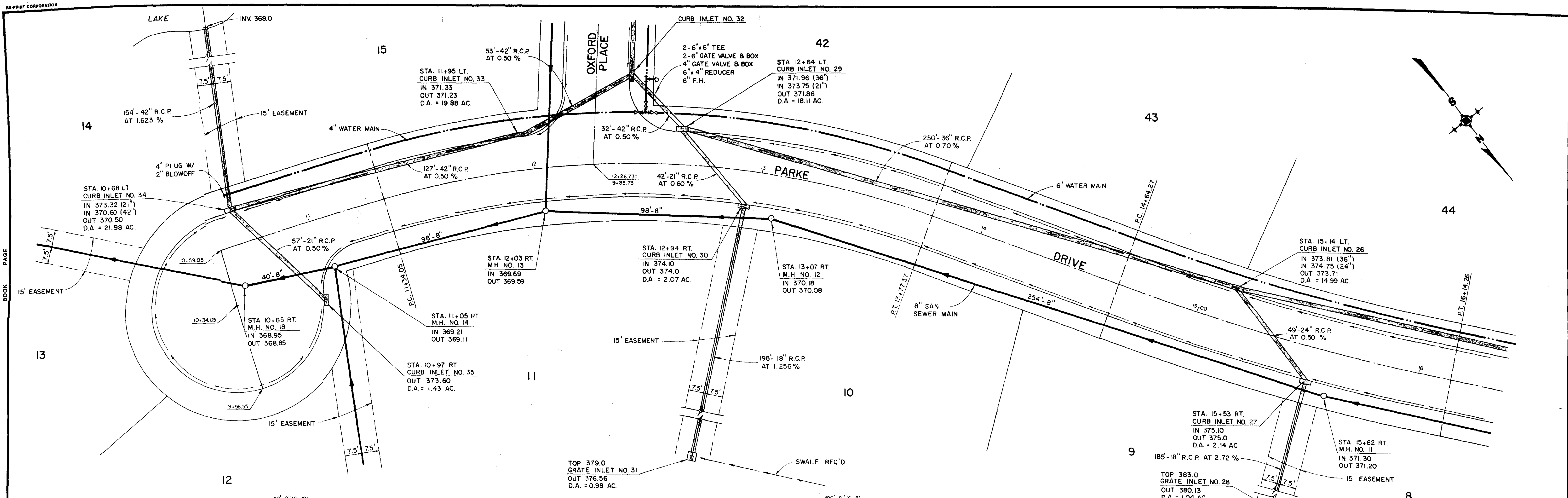
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DRAWN D.P. & M.C.		SCALE 1" = 20'								
NO.	DATE	NATURE REVISIONS	BY	APP'D	CHECKED J.L.J.	JOB NO. 002-0586-00				

RE-PRINT CORPORATION

BOOK PAGE

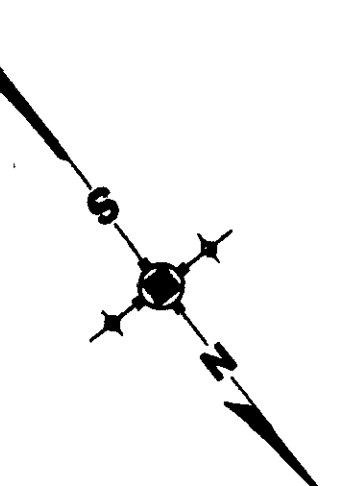
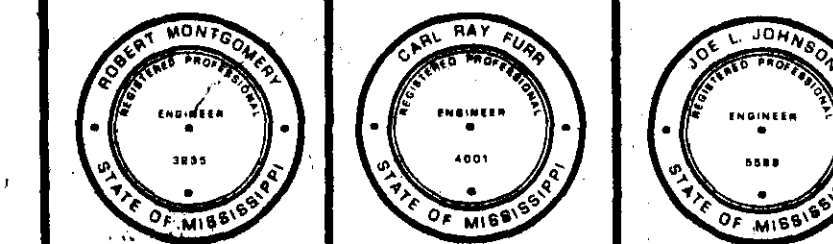
BOOK PAGE

BOOK PAGE



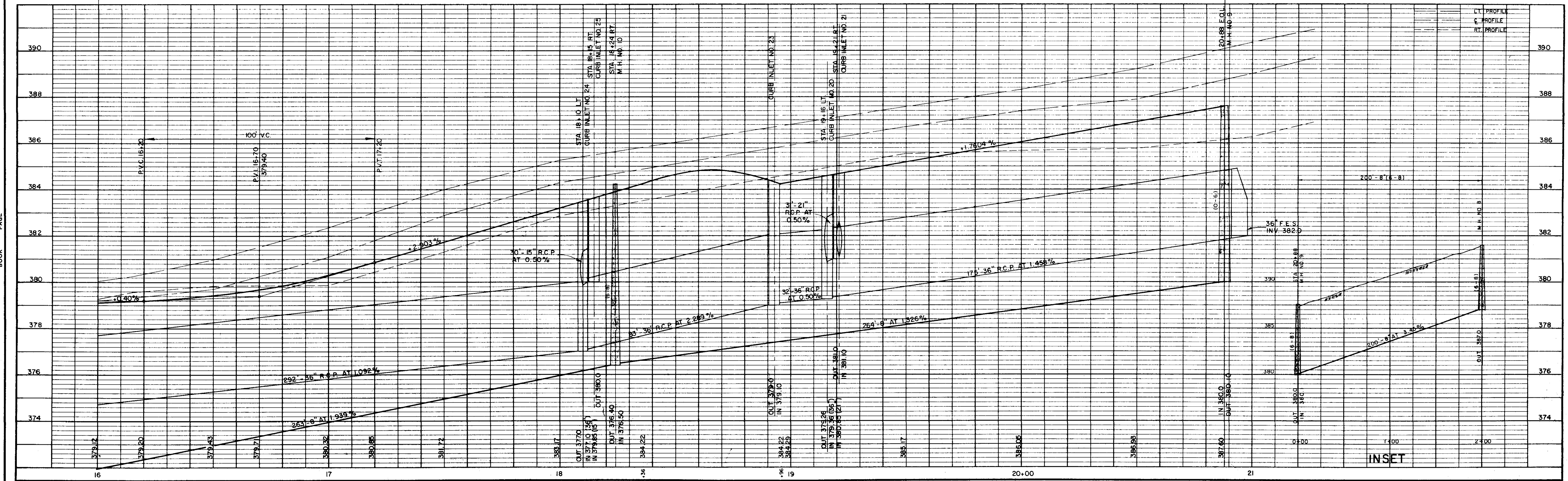
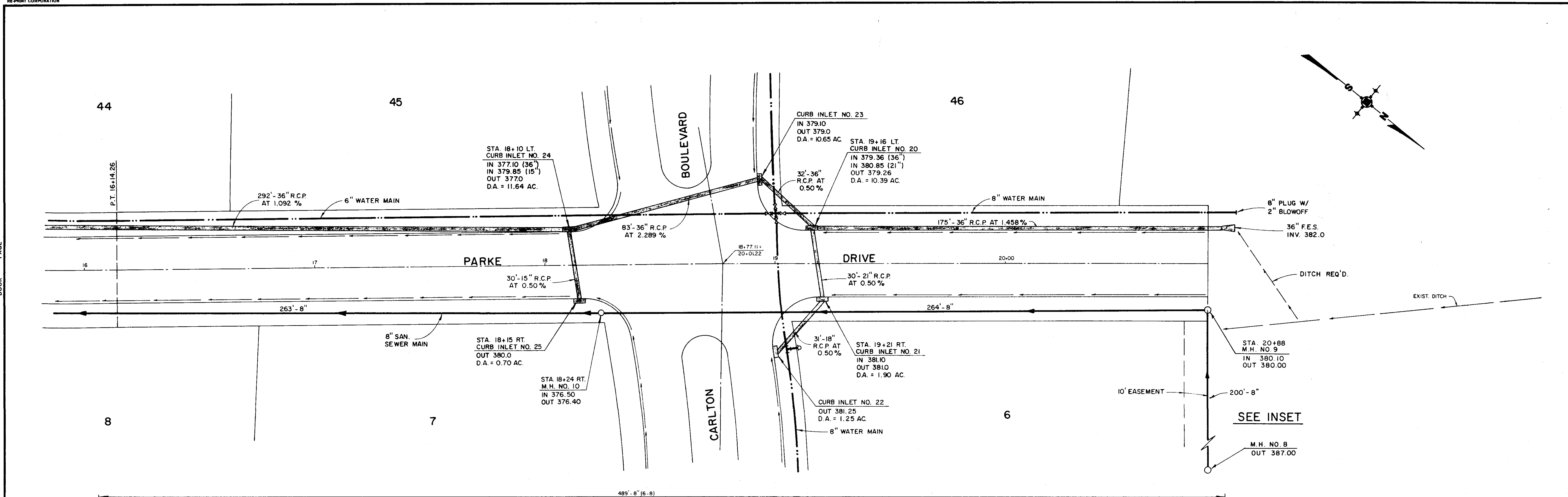
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DRAWN D.P.B. M.C.		SCALE 1" = 20'						
NO.	DATE	NATURE REVISIONS	BY	APP'D	CHECKED J.L.J.	JOB NO. 002-0586-00		

ENGINEERING ASSOCIATES, INC.
Consulting Engineers

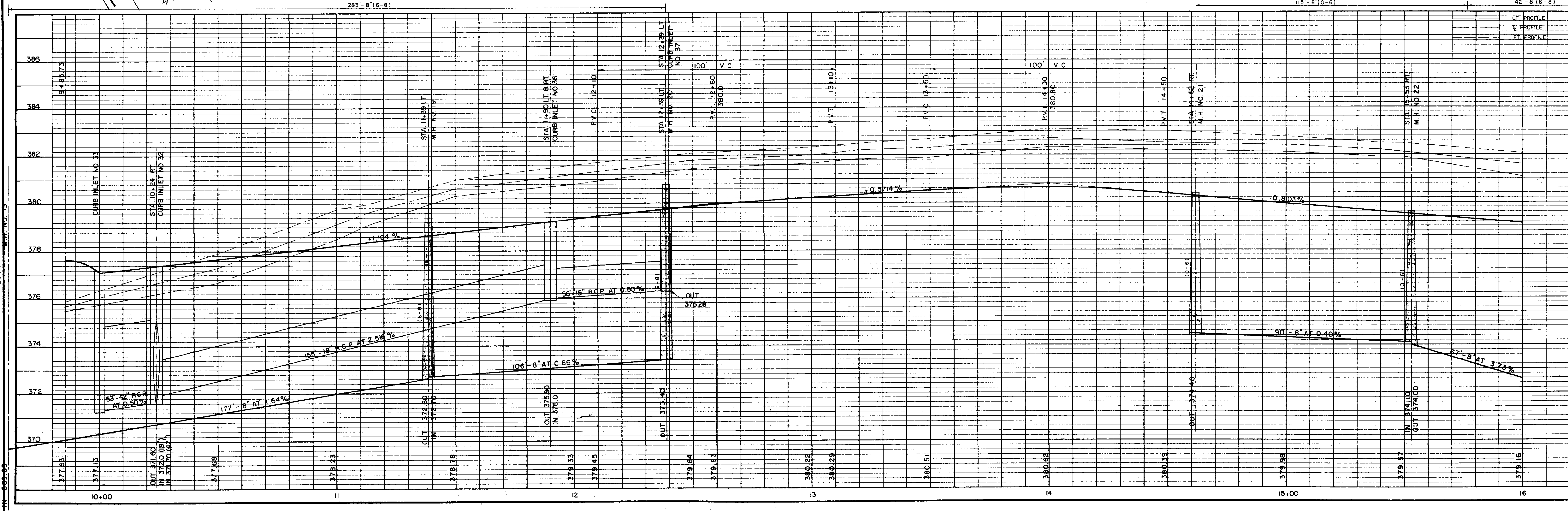
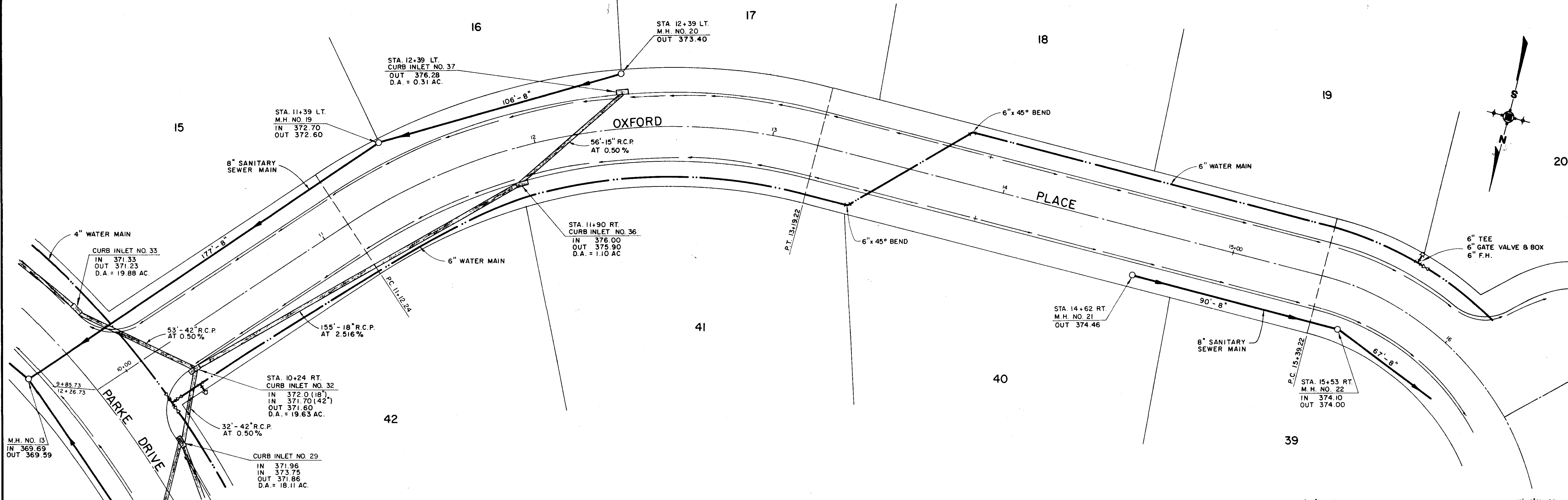


BOOK PAGE

BOOK PAGE



DESIGNED J.L.J.				DATE 3-94					OWNER UNDERWOOD HOMES, INC.	PROJECT TITLE CARLTON PARKE	DRAWING TITLE PLAN - PROFILE	PROJECT NO. 586	
DRAWN D.P.B. M.C.				SCALE 1" = 20'								CONTRACT	SHEET 7
NO.	DATE	NATURE REVISIONS	BY	APP'D	CHECKED J.L.J.	JOB NO. 002-0586-00							



NO.	DATE	NATURE	BY	APP'D

DESIGNED J.L.J.	DATE 3-94
DRAWN D.P. & M.C.	SCALE 1" = 20'
CHECKED J.L.J.	JOB NO. 002-0586-00

ENGINEERING ASSOCIATES, INC.
Consulting Engineers

Professional Engineer seals for J.L.J., D.P. & M.C., and J.L.J. (Mississippi State of Engineering)

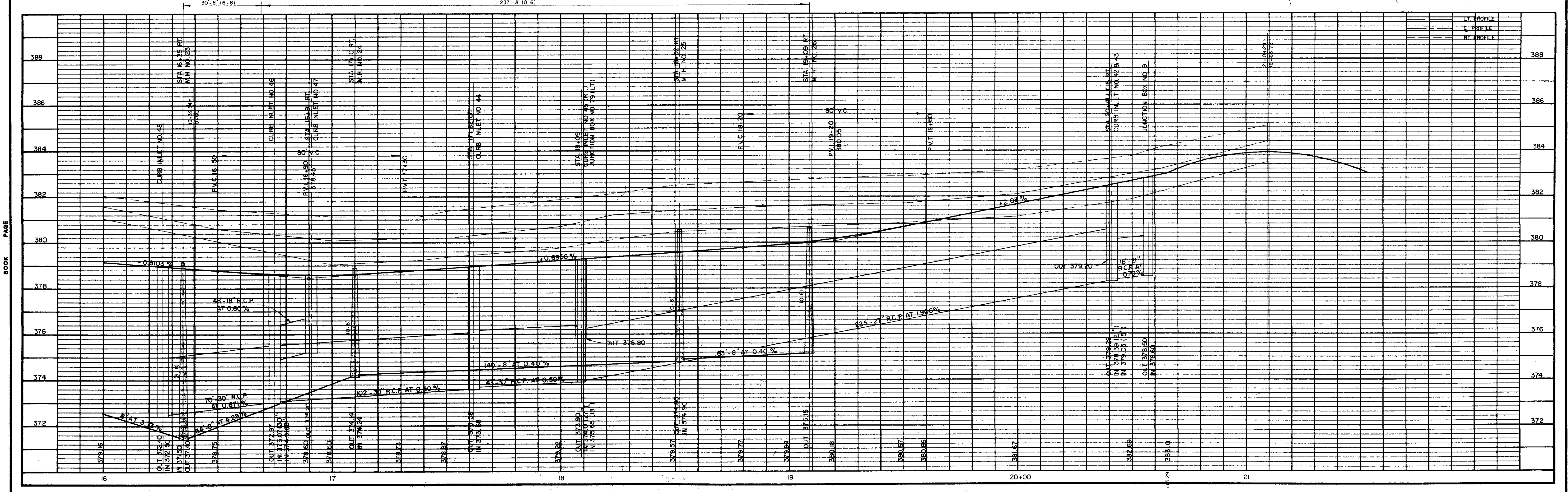
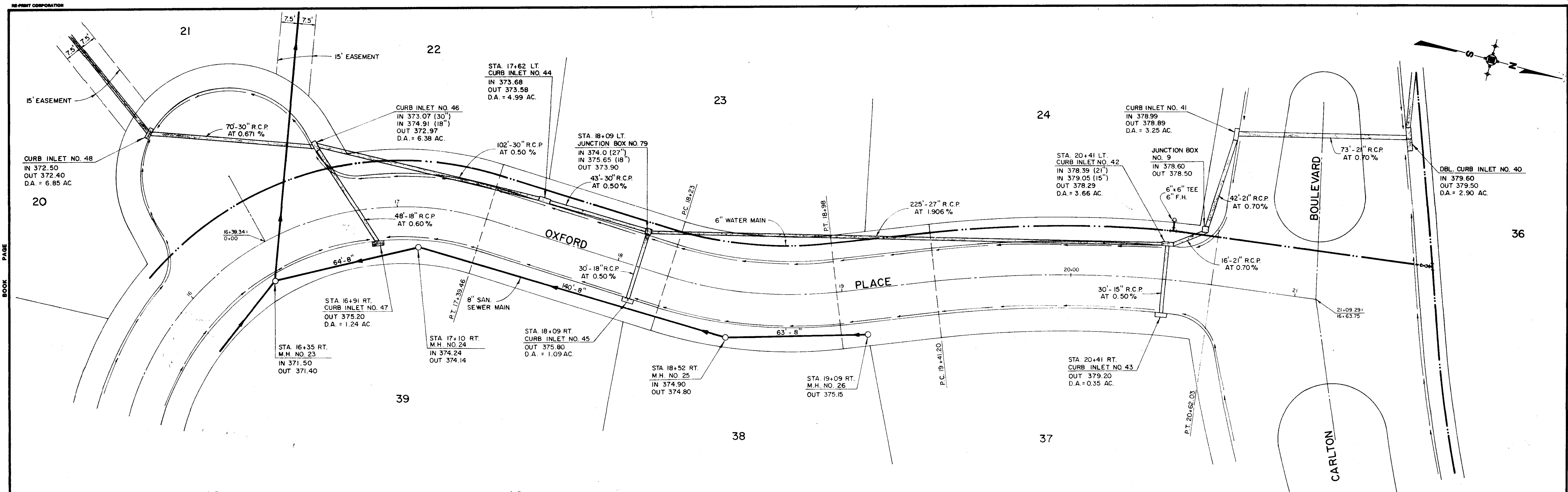
OWNER
UNDERWOOD HOMES, INC.

PROJECT TITLE
CARLTON PARKE

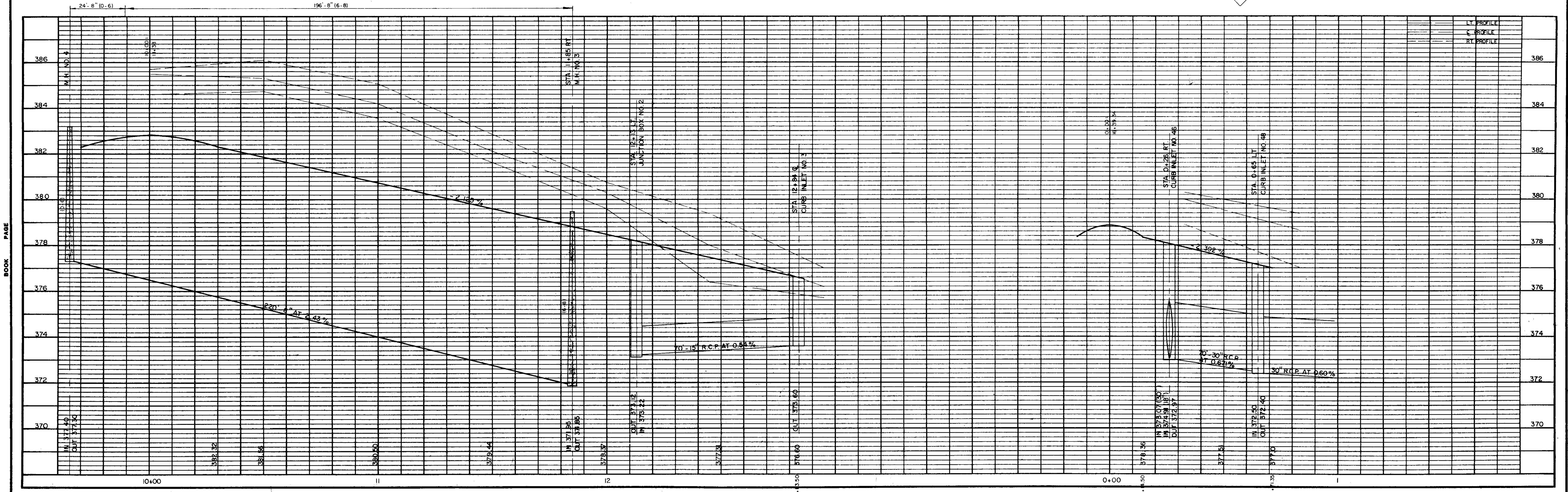
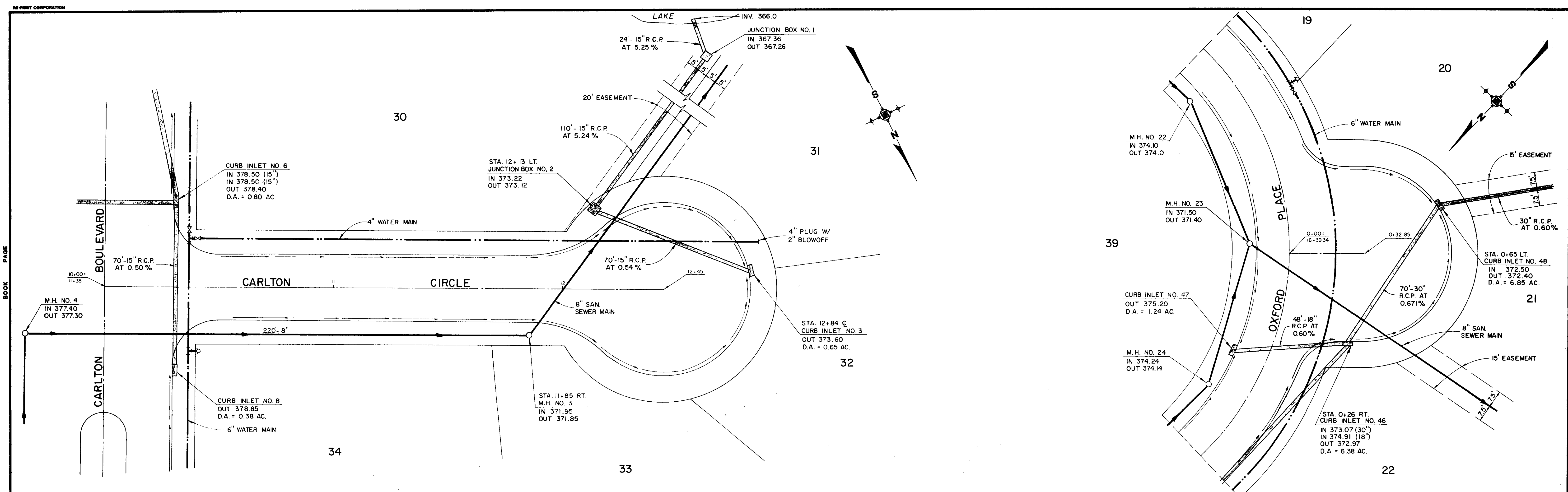
DRAWING TITLE
PLAN - PROFILE

PROJECT NO.
586

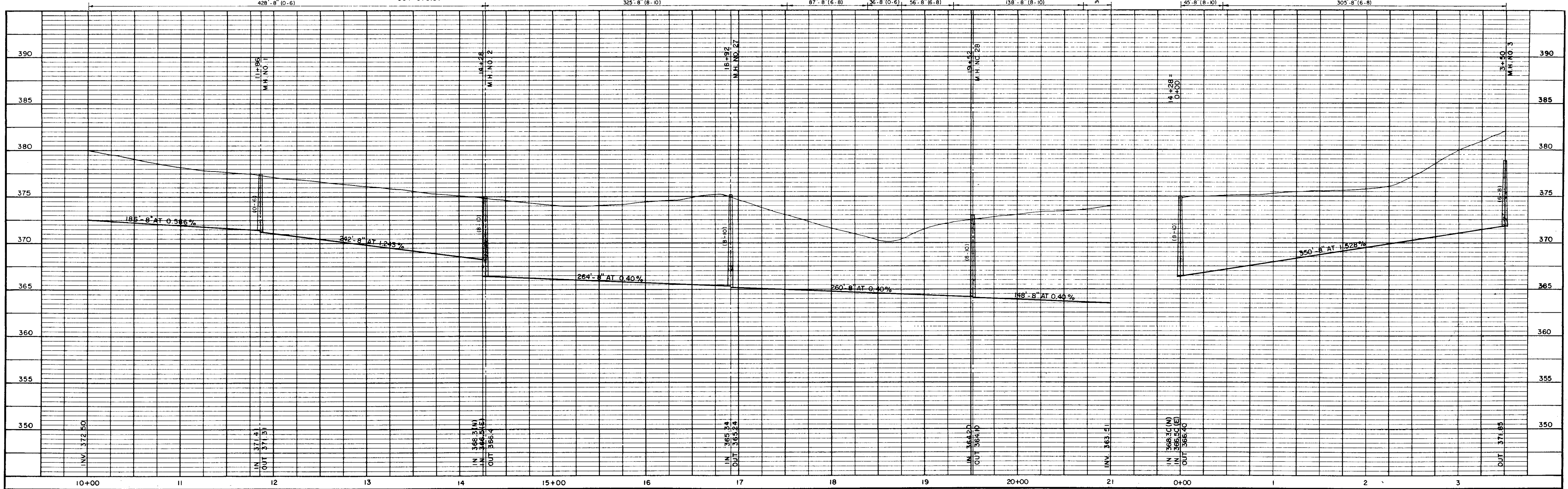
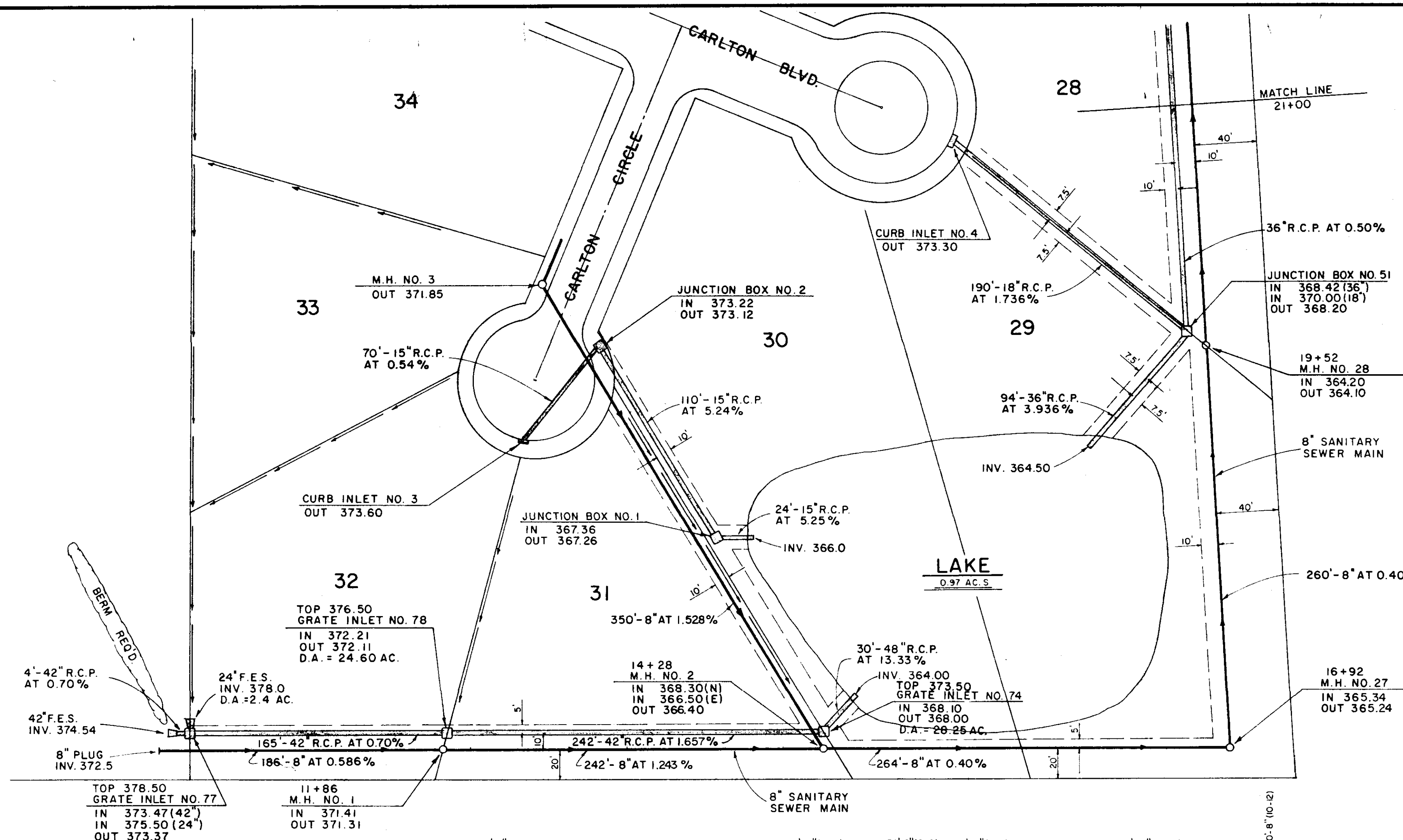
CONTRACT SHEET
8



DESIGNED J.L.J.				DATE 3-94			OWNER UNDERWOOD HOMES, INC.	PROJECT TITLE CARLTON PARKE	DRAWING TITLE PLAN - PROFILE	PROJECT NO. 586	
DRAWN D.P. & M.C.				SCALE 1" = 20'						CONTRACT	SHEET 9
NO.	DATE	NATURE	BY	APP'D	CHECKED J.L.J.	JOB NO. 002-0586-00					



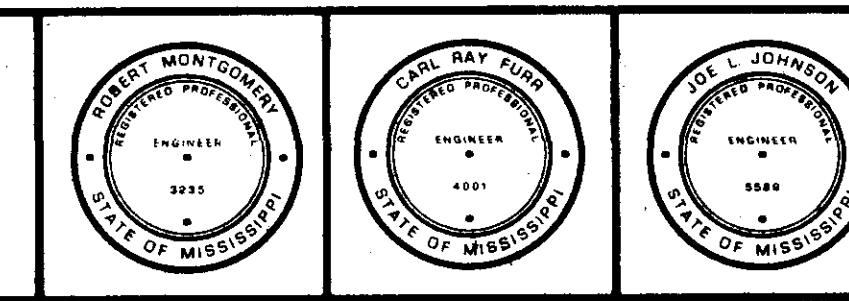
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DRAWN D.P.B. M.C.		SCALE 1" = 20'			CHECKED J.L.J.	JOB NO. 002-0586-00	CONTRACT	SHEET 10
NO.	DATE	NATURE	BY	APP'D				



NO.	DATE	NATURE	BY	APP'D

DESIGNED J.L.J.	DATE 3-94
DRAWN M.C.	SCALE 1" = 50'
CHECKED J.L.J.	JOB NO. 002-0586-00

ENGINEERING ASSOCIATES, INC.
Consulting Engineers



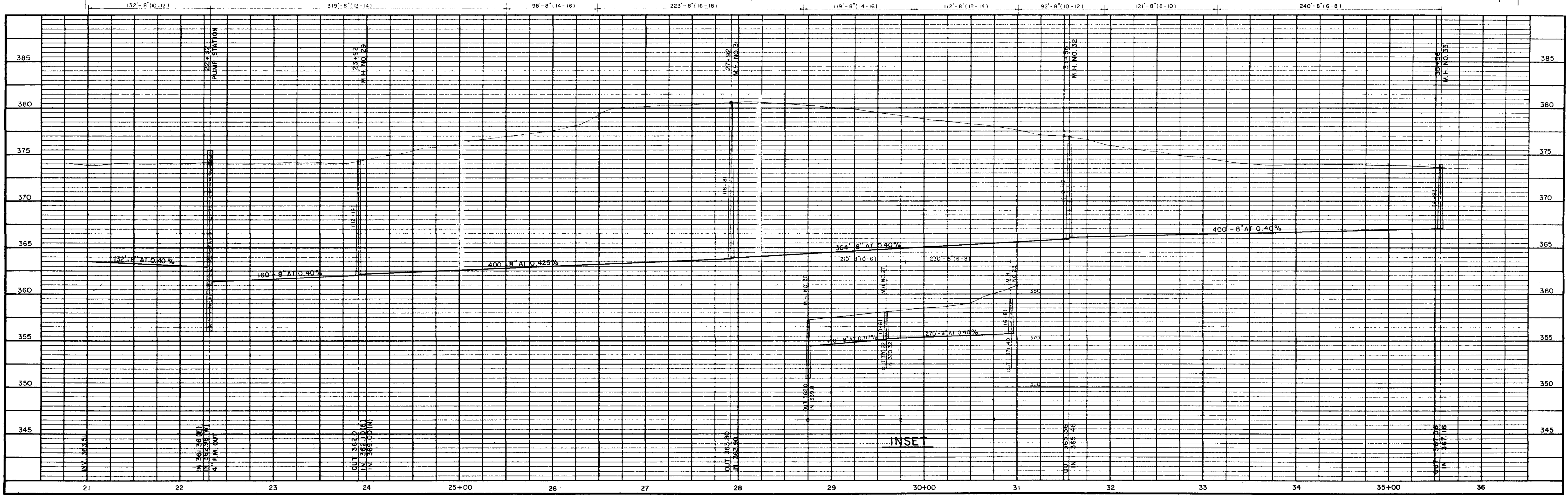
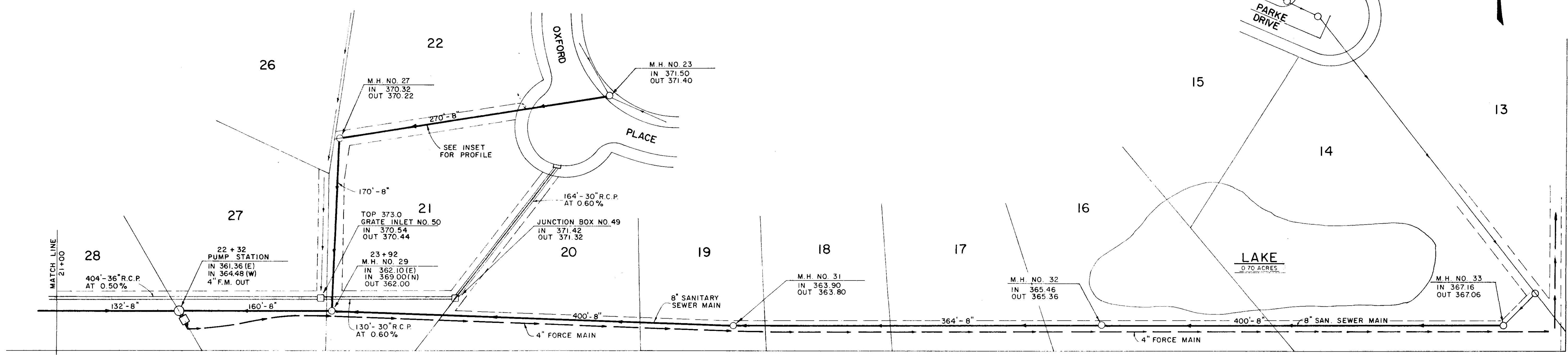
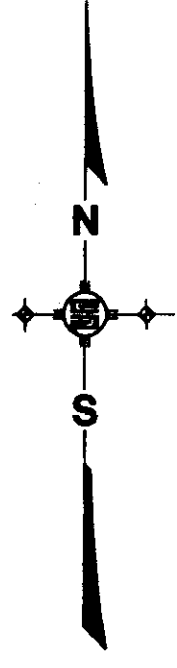
OWNER
UNDERWOOD HOMES, INC.

PROJECT TITLE
CARLTON PARKE

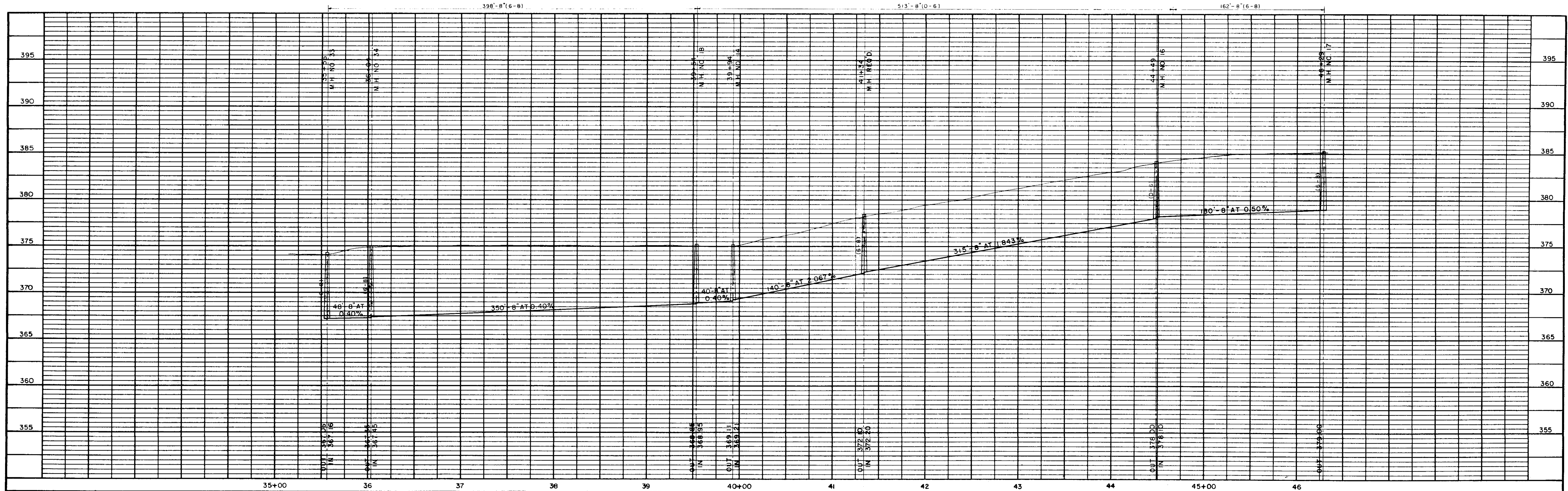
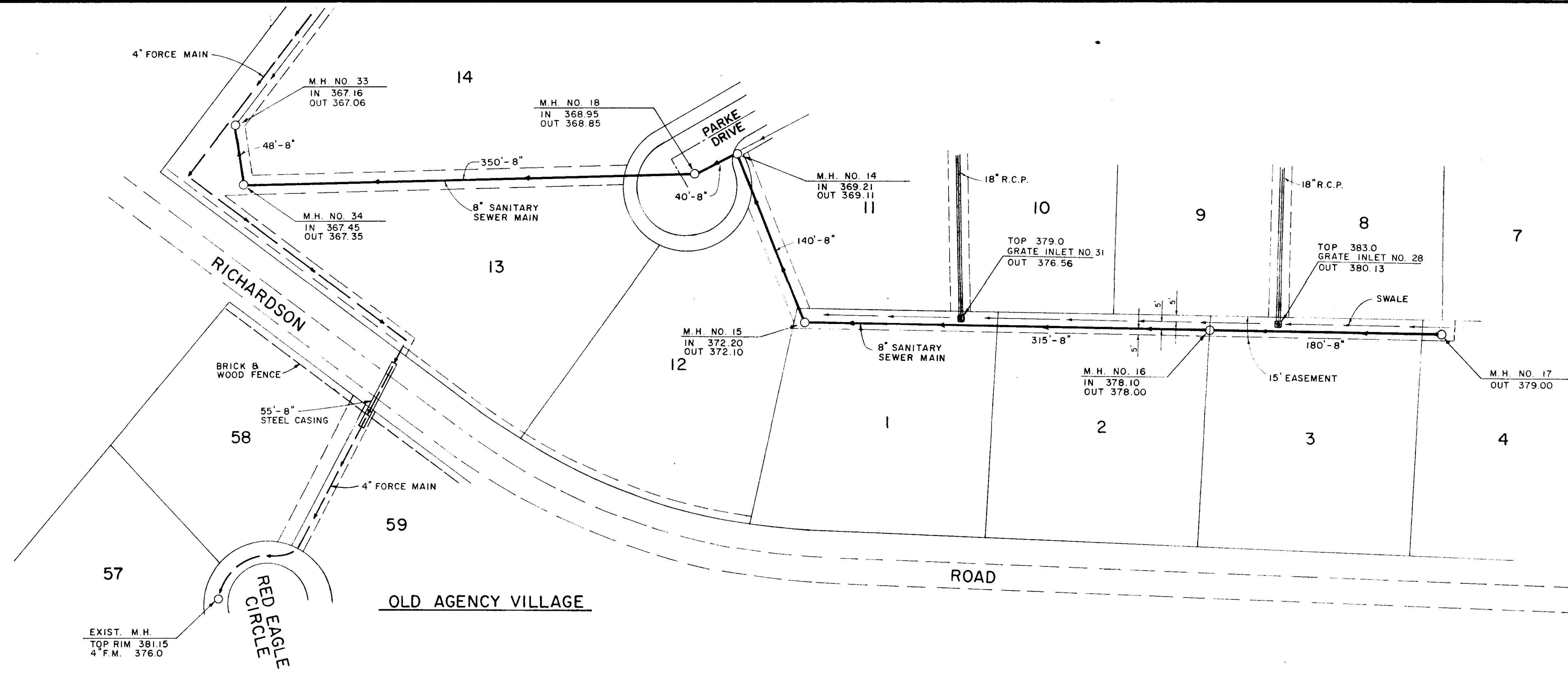
DRAWING TITLE
PLAN - PROFILE

PROJECT NO.
586

CONTRACT SHEET
11



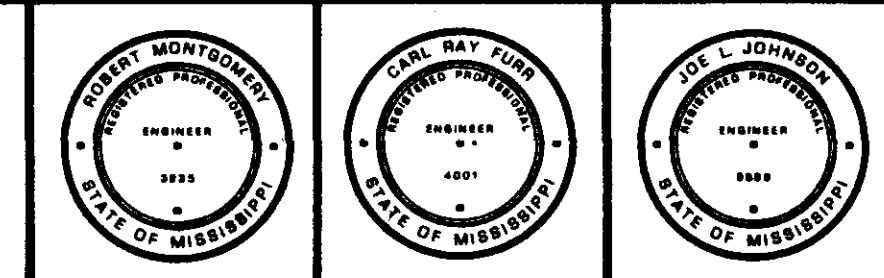
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DRAWN M.C.		SCALE 1" = 50'			CONTRACT	SHEET 12		
NO.	DATE	NATURE REVISIONS	BY	APP'D	CHECKED J.L.J.	JOB NO. 002-0586-00		



NO.	DATE	NATURE REVISIONS	BY	APP'D

DESIGNED J.L.J.	DATE 3-94
DRAWN M.C.	SCALE 1" = 50'
CHECKED J.L.J.	JOB NO. 002-0586-00

ENGINEERING ASSOCIATES, INC.
Consulting Engineers

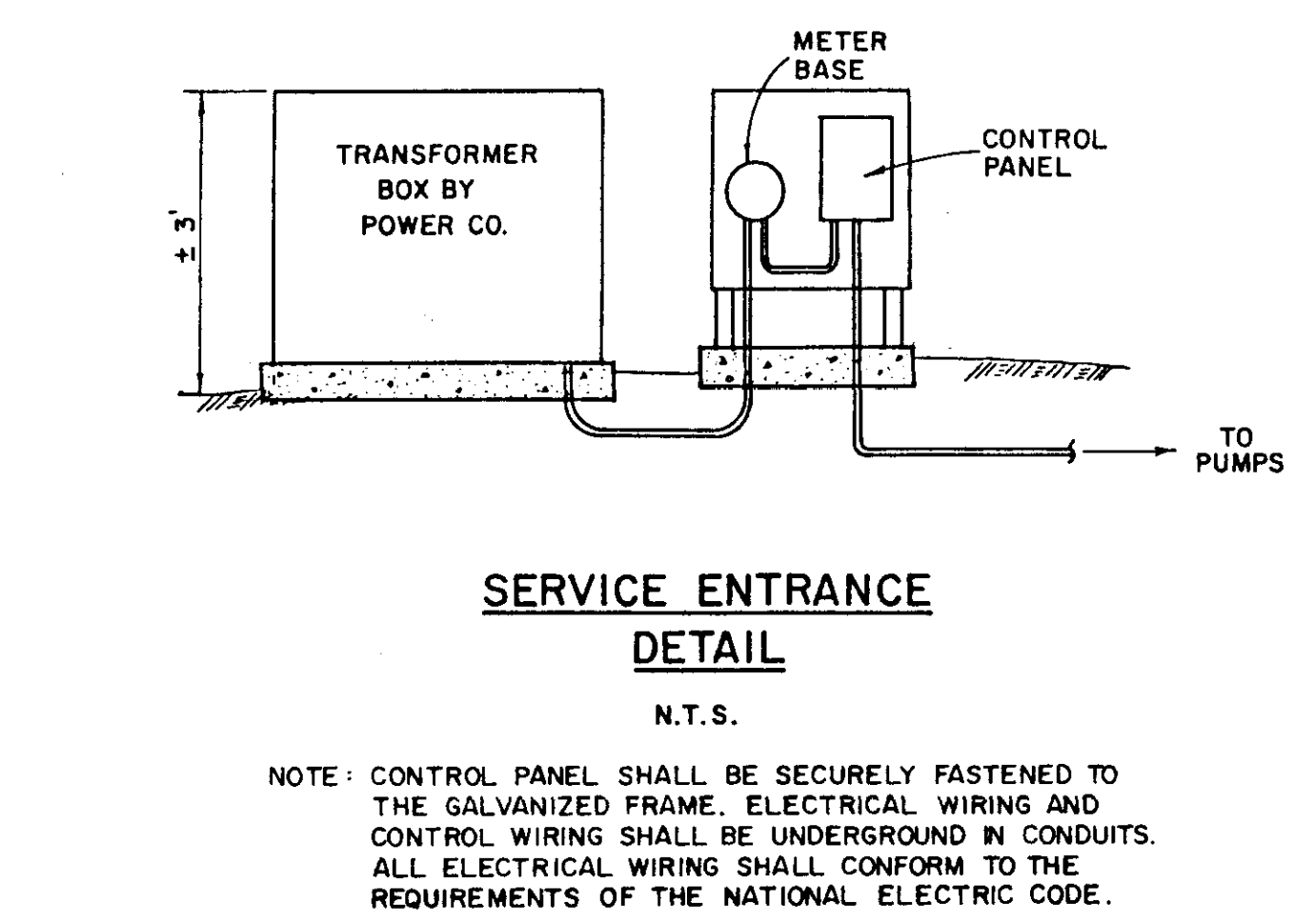
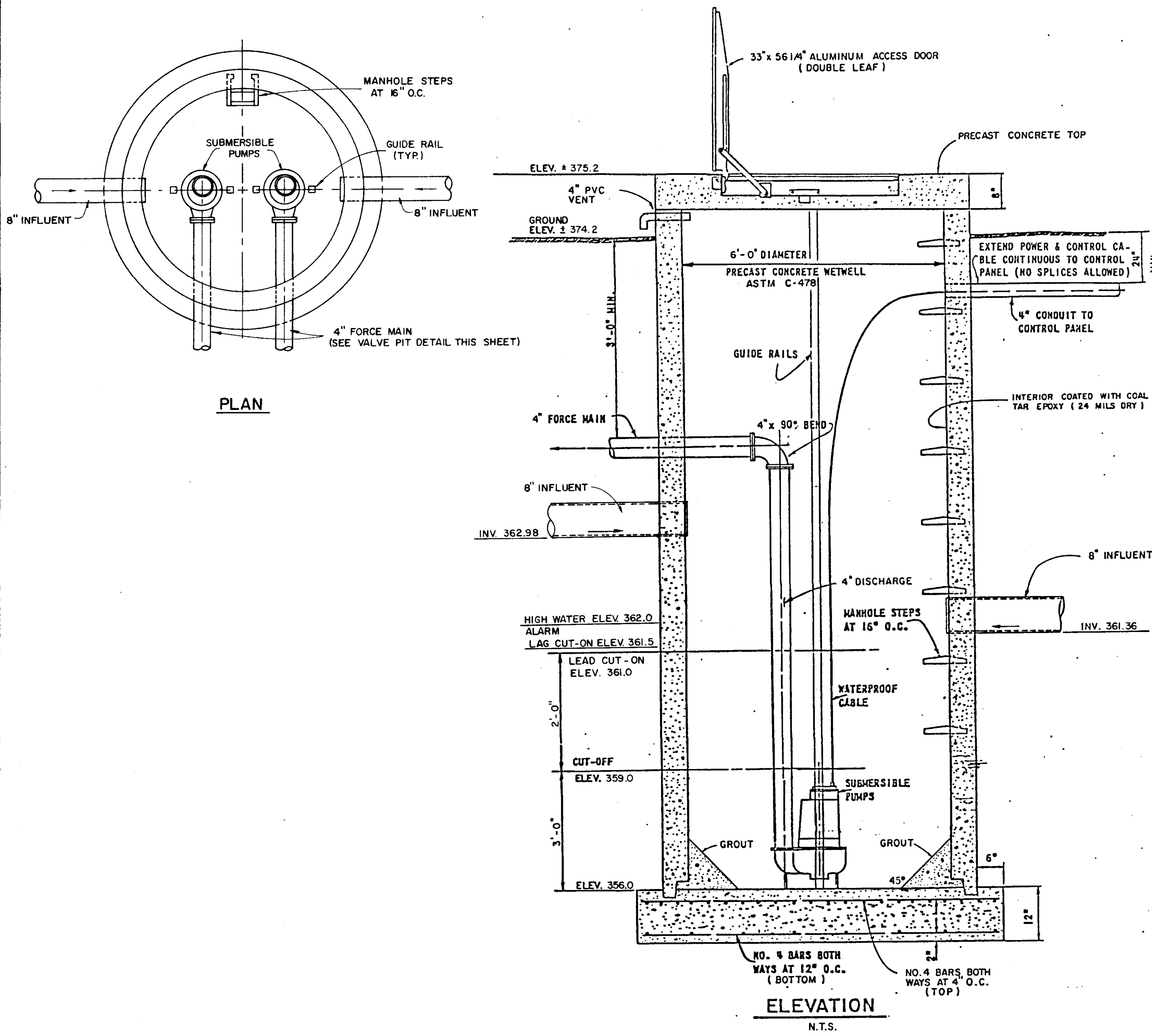


OWNER
UNDERWOOD HOMES, INC.

PROJECT TITLE
CARLTON PARKE

DRAWING TITLE
PLAN - PROFILE

PROJECT NO.
586
CONTRACT SHEET
13

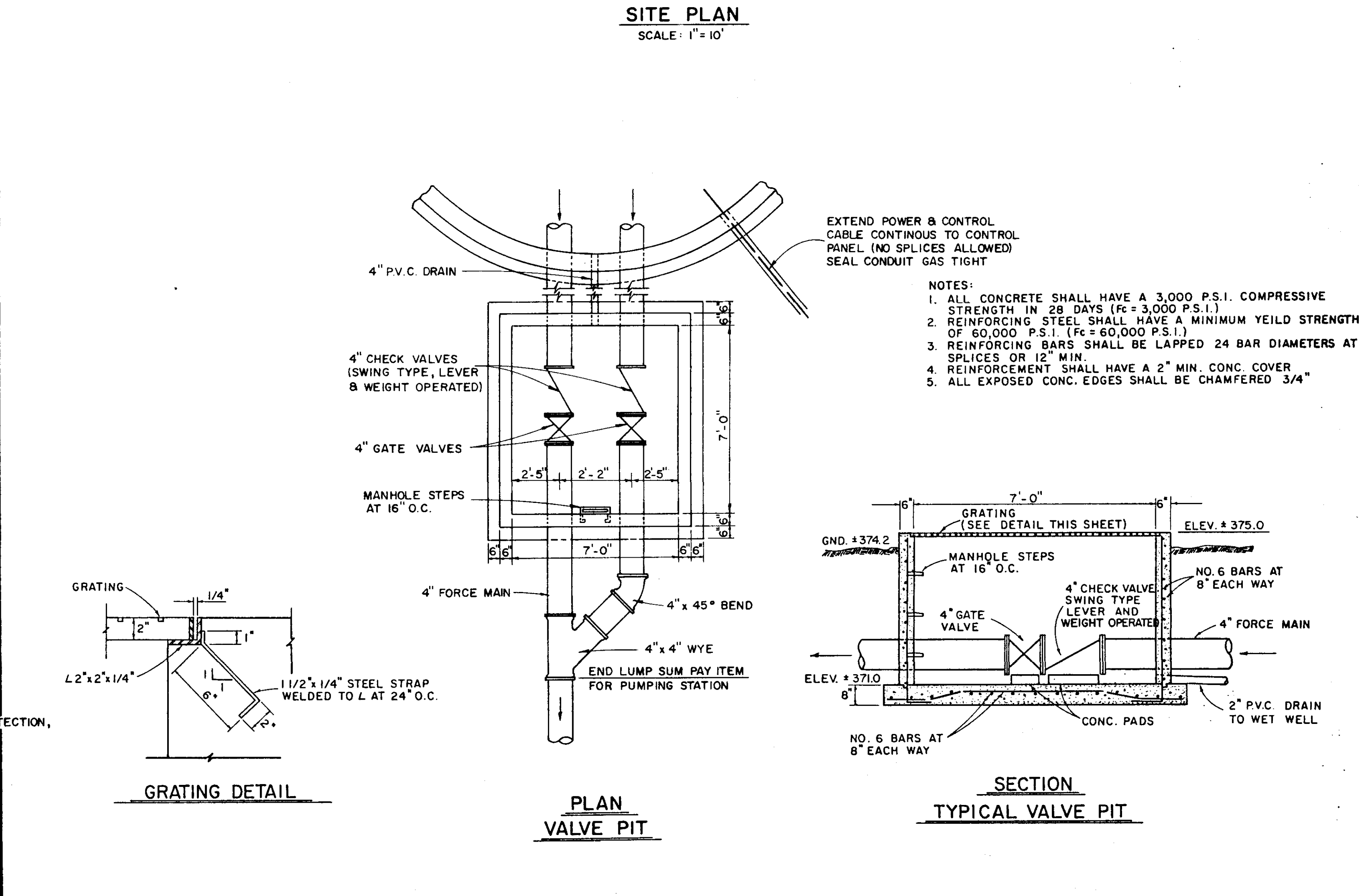
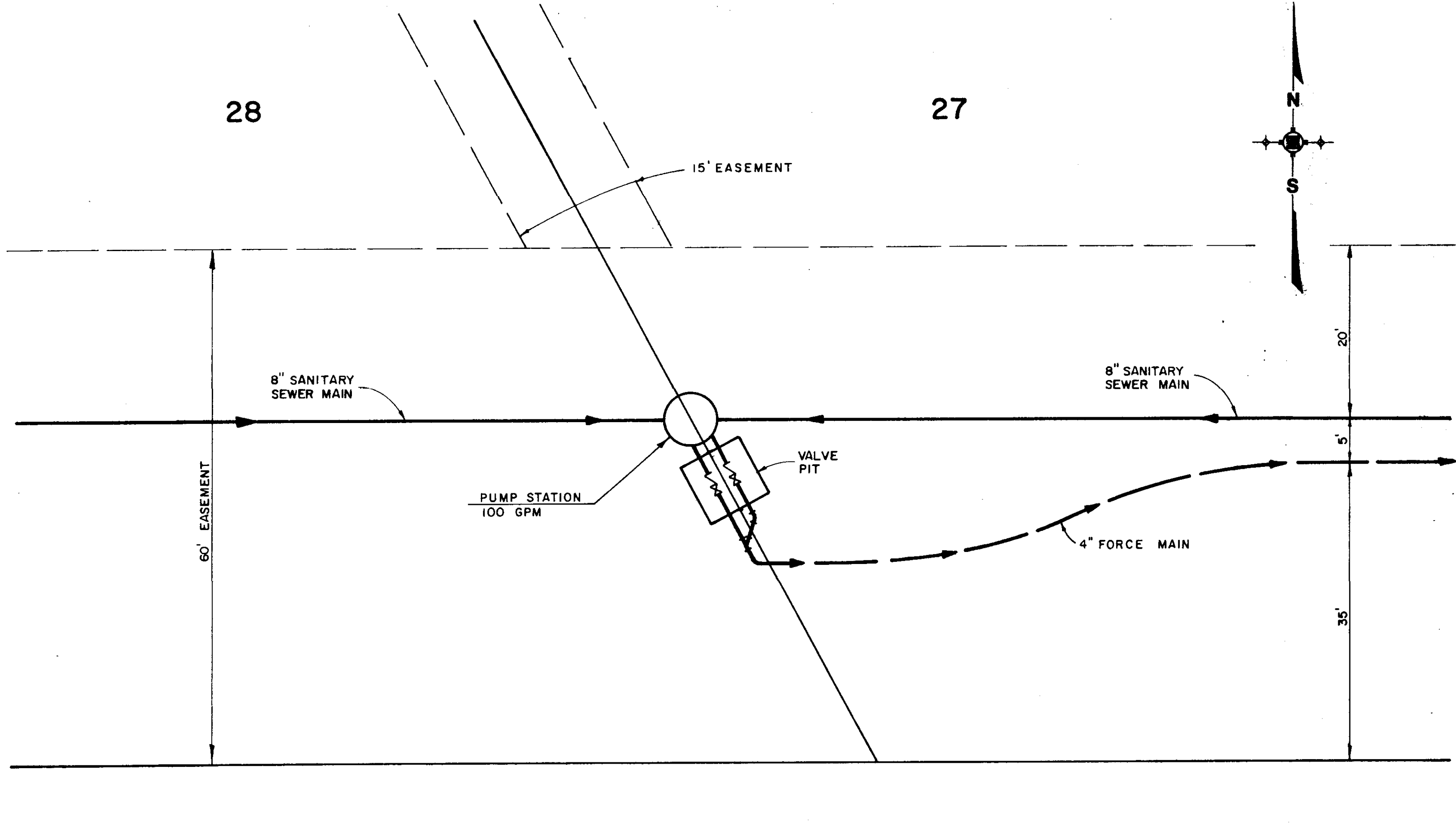


DESIGN DATA

PUMPS: 2-4" DISCHARGE SUBMERSIBLE PUMPS (3" SOLIDS) HYDROMATIC S4NX RATING: 100 G.P.M. AT 34' TOTAL DYNAMIC HEAD HORSEPOWER: MAX. 5 MOTOR SPEED: 1750 RPM MAX. IMPELLER: 6 3/4" DIA. POWER REQUIREMENTS: 3 PHASE, 60 CYCLE, 230 VOLTS CONTROLS: MERCURY TUBE SWITCHES 1,840 L.F. 4" FORCE MAIN

NOTES:

- A MASTER DISCONNECT SWITCH SHALL BE FURNISHED.
- CONTROL PANEL SHALL BE NEMA-3R, WITH CIRCUIT BREAKERS, MAGNETIC STARTER WITH SINGLE PHASING PROTECTION, HAND-OFF AUTO SWITCHES, RUN LIGHT FOR EACH PUMP AND A RELAY ALTERNATING CIRCUIT.
- FURNISH A FLASHING ALARM LIGHT ON CONTROL PANEL.
- PUMPS SHALL BE FURNISHED WITH DOUBLE SEALS AND A SEAL FAILURE LIGHT IN THE CONTROL PANEL.
- SERVICE POLE, WEATHERHEAD, METER BASE, MASTER DISCONNECT, AND RIGID CONDUIT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- LUMP SUM PRICE BID FOR 100 G.P.M. WASTEWATER PUMPING STATION WITH VALVES AND VALVE PIT SHALL INCLUDE ALL EXCAVATION, EQUIPMENT, CONCRETE, MATERIALS AND OTHER INCIDENTAL ITEMS NECESSARY TO PROVIDE A COMPLETE OPERATING PUMP STATION.
- INSTALL MERCURY TUBE LEVEL CONTROLS IN PVC CONDUIT AND PROVIDE SUPPORT BRACKET TO PREVENT WAVE ACTION BY INFLUENT FLOW.



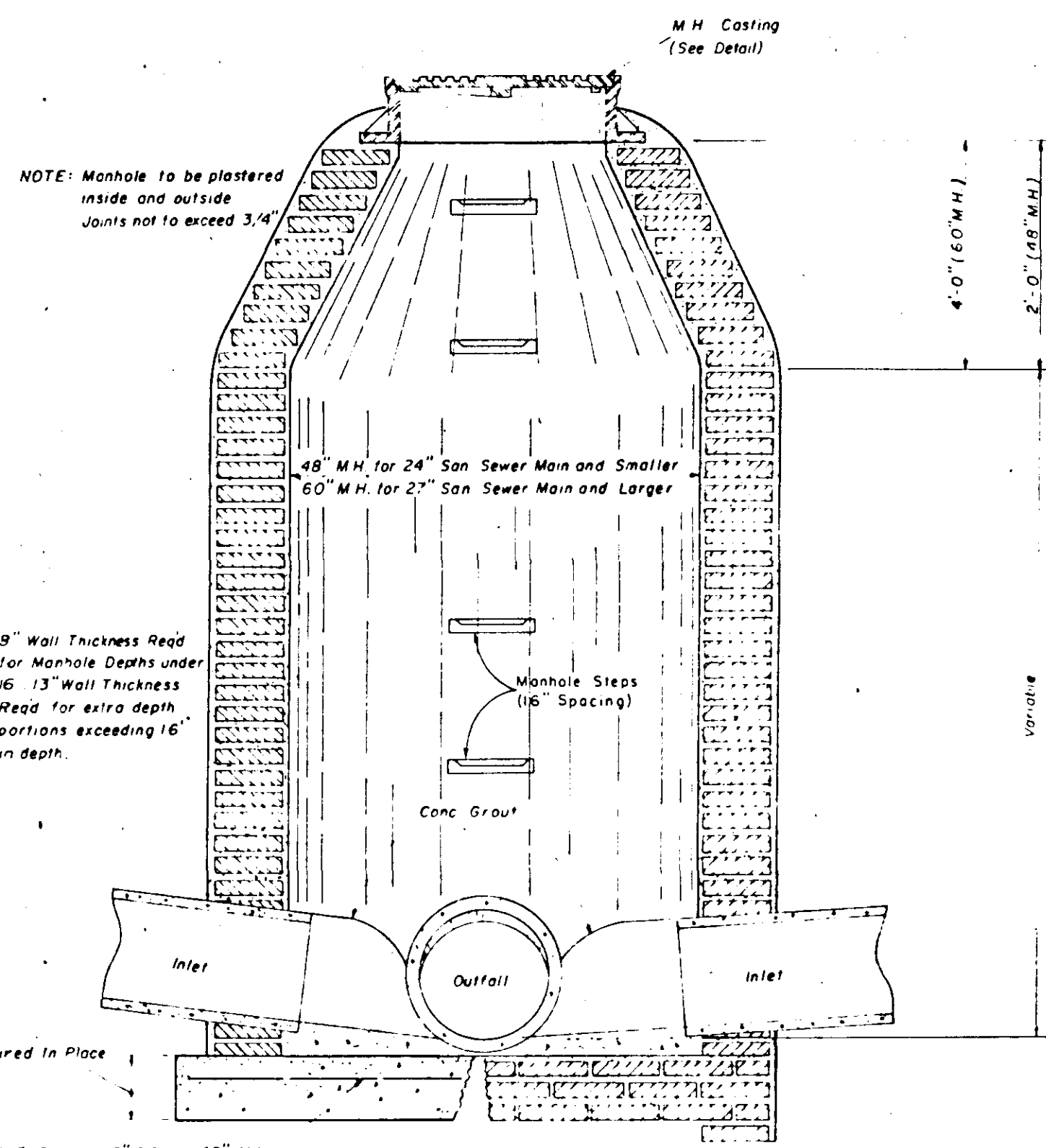
DESIGNED	J.L.J.	DATE	3-94
DRAWN	O.P.	SCALE	SHOWN
CHECKED	J.L.J.	CHECKED	J.L.J.
NO.	DATE	NATURE	BY
REVISIONS			

UNDERWOOD HOMES, INC.

ENGINEERING ASSOCIATES, INC. - CONSULTING ENGINEERS

JACKSON/PEARL, MISSISSIPPI

PROJECT NO		586
CONTRACT		14
CARLTON PARKE		
PUMP STATION DETAILS		



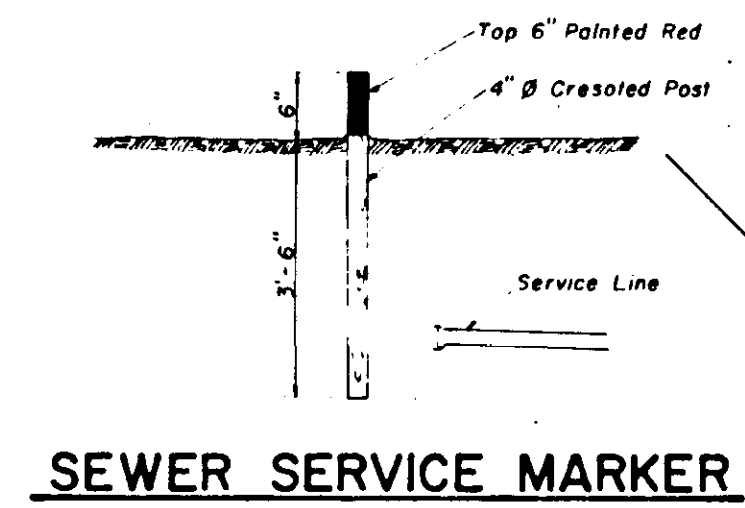
**SECTION
STANDARD BRICK MANHOLE**

NOTE: Manhole to be plastered inside and outside. Joints not to exceed 3/4".

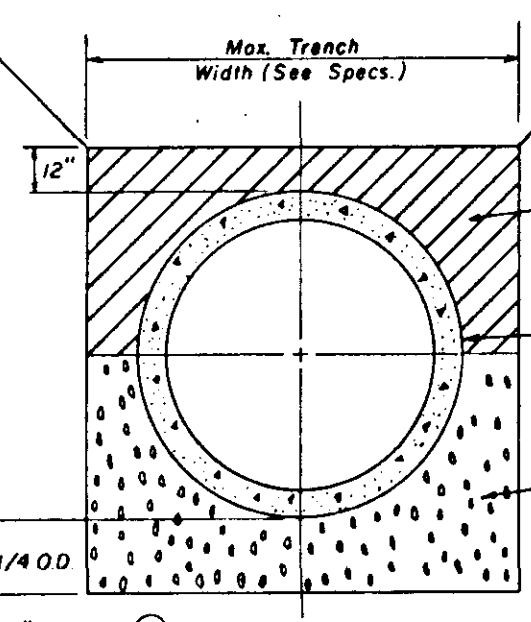
NOTE: 9" Wall Thickness Req'd for Manhole Deaths under 16'. 13" Wall Thickness Req'd for extra depth portions exceeding 16' in depth.

8" Paired in Place

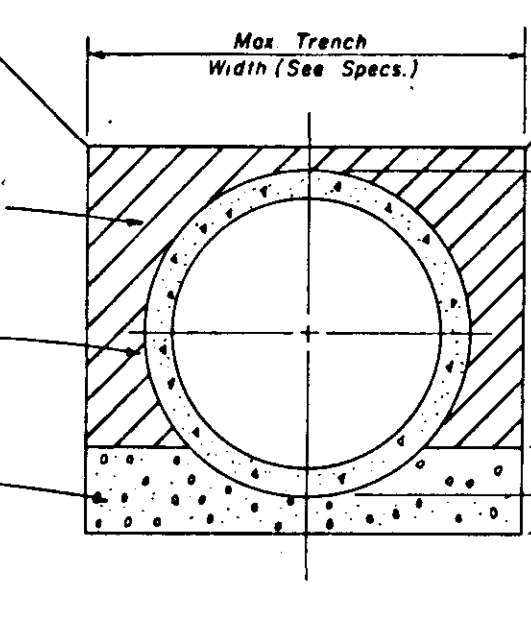
No. 4 @ 10" CC on 48" M.H.
No. 4 @ 9" CC on 60" M.H.



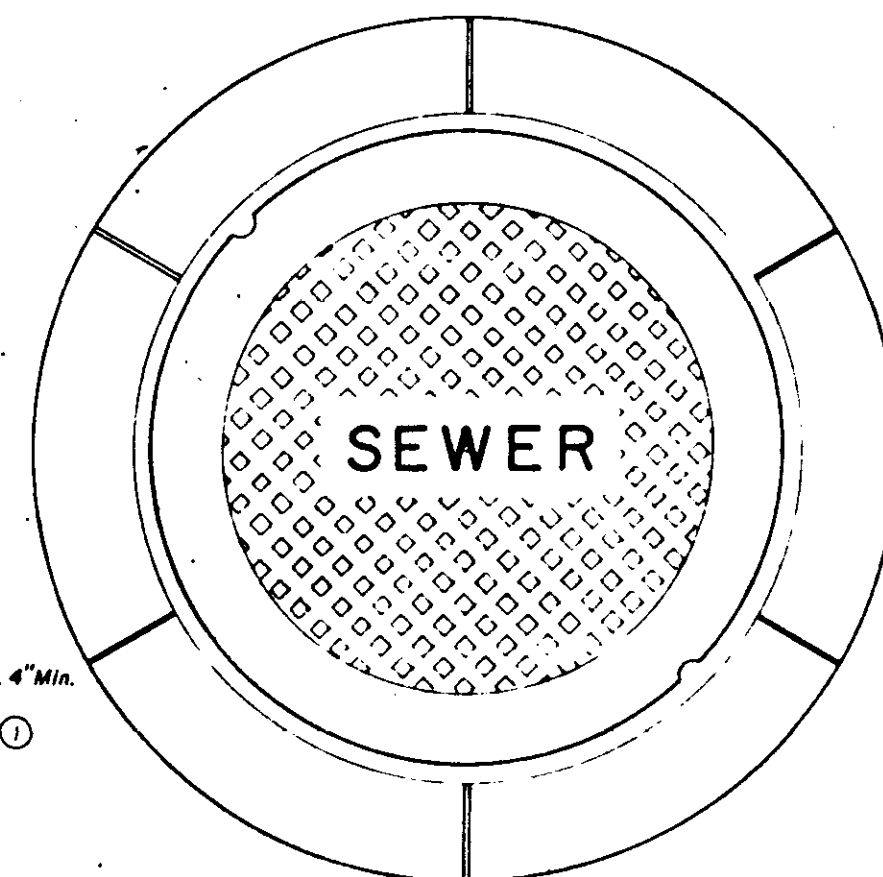
SEWER SERVICE MARKER



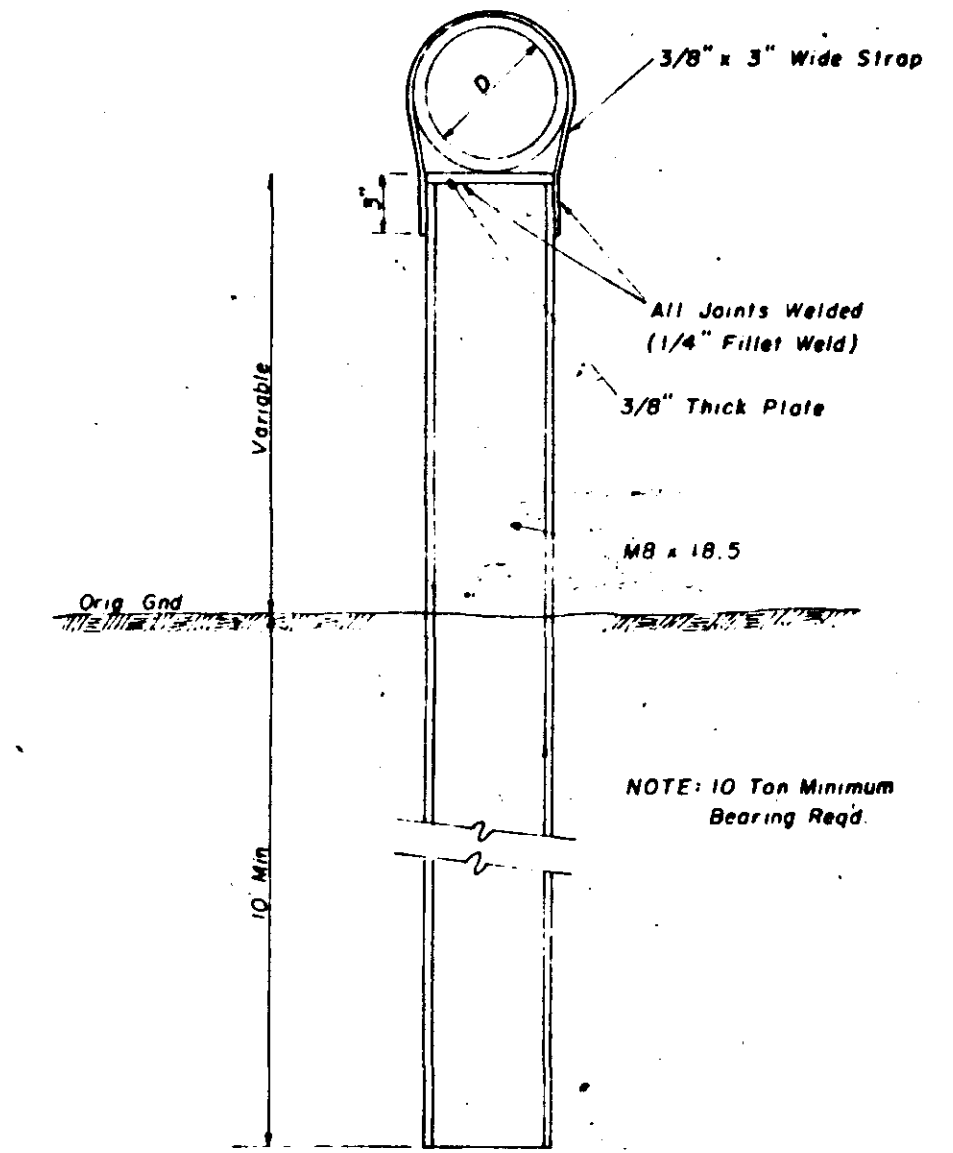
**TYPICAL SECTION
CLASS "B" BEDDING**



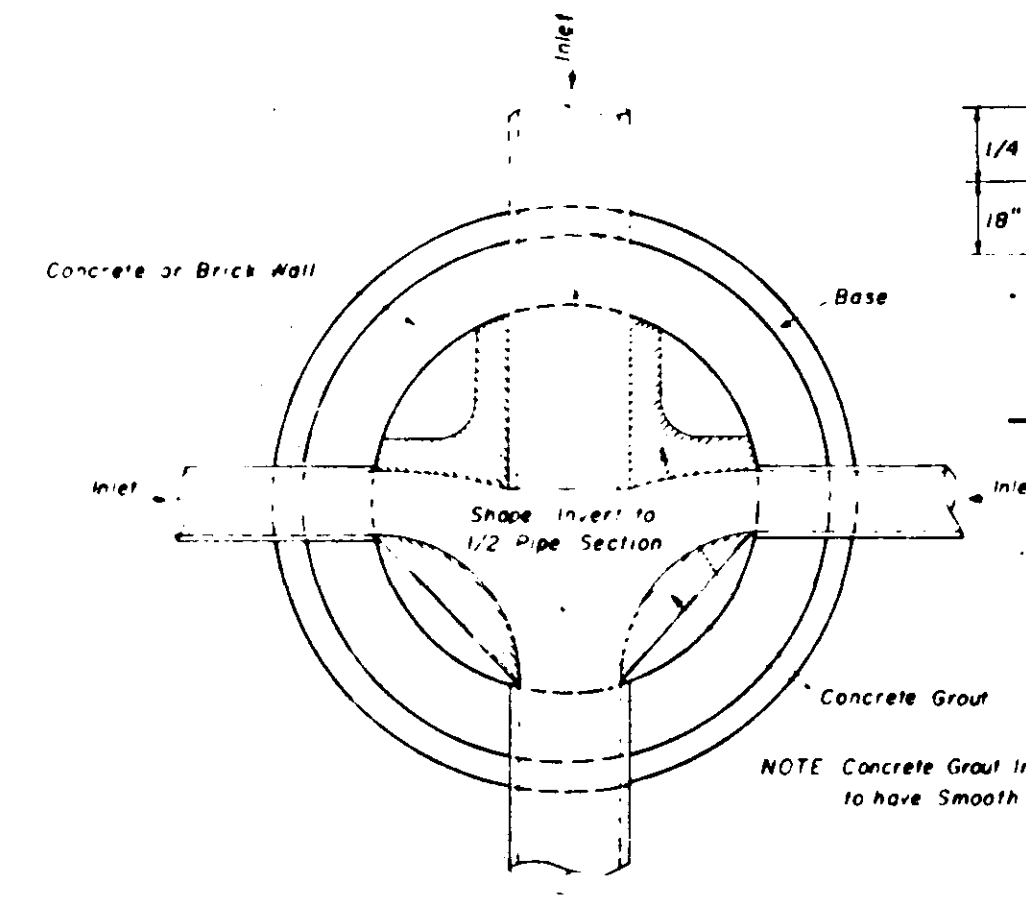
**TYPICAL SECTION
CLASS "C" BEDDING**



**PLAN
MANHOLE CASTING**

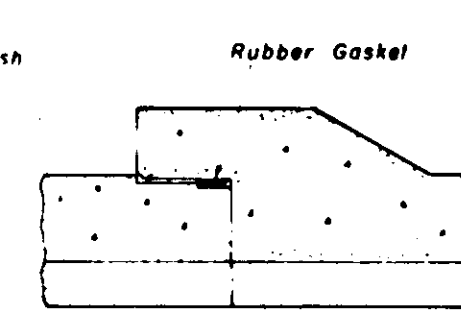


**DETAIL
TYPE "A" PIER**

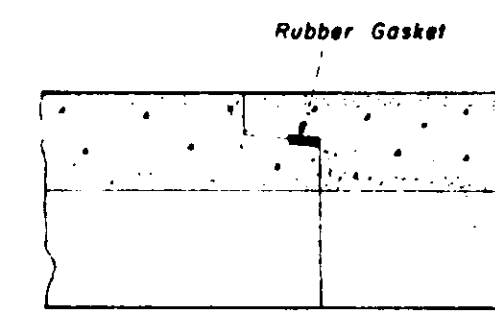


**PLAN OF MANHOLE
FLOW CHANNELS**

NOTE: Concrete Grout Invert Surfaces to have Smooth or Brushed Finish.

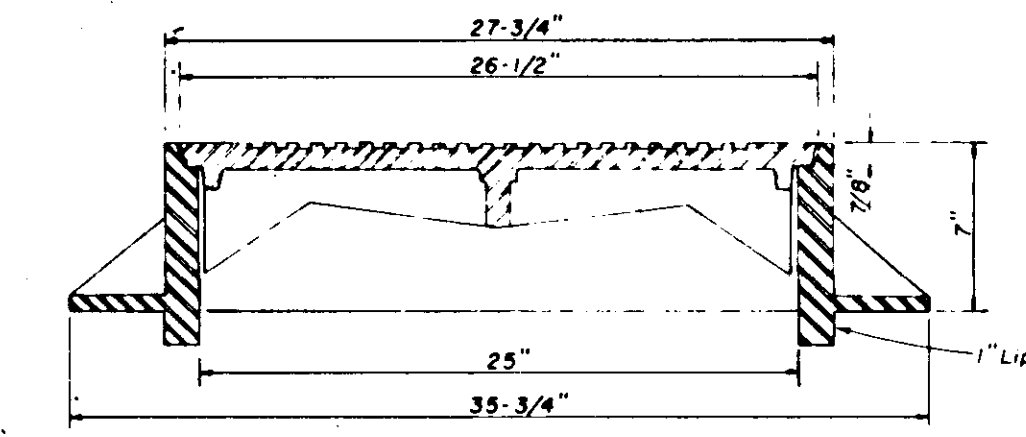


BELL & SPIGOT



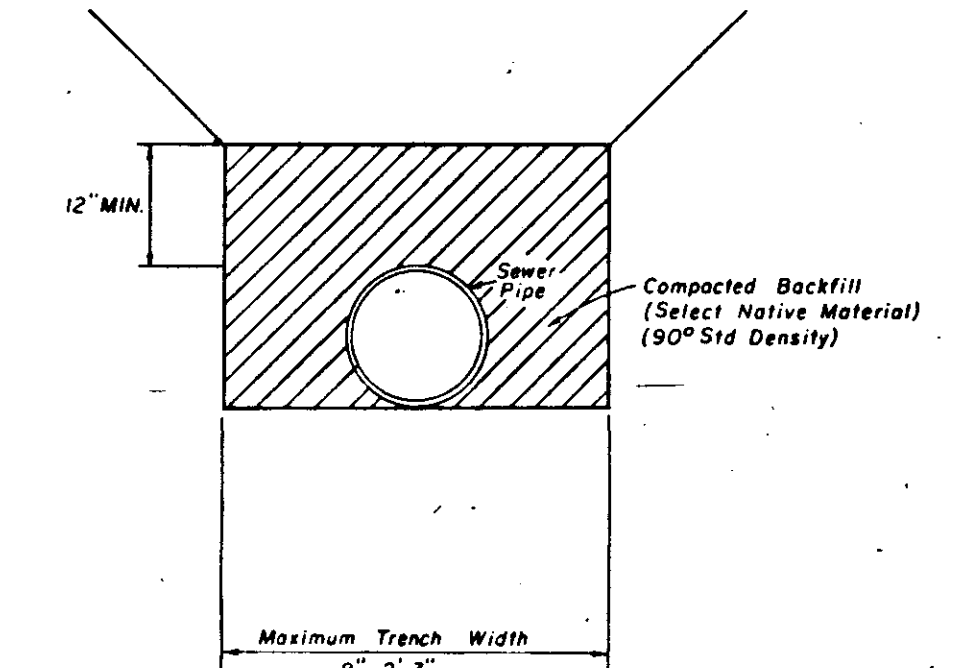
TONGUE & GROOVE

JOINT DETAILS



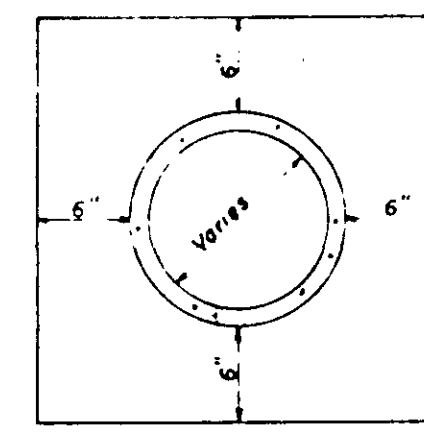
**SECTION
TYPE "A" MANHOLE CASTING**

NOTE: 1. Use Type "A" Manhole Casting in Street ROW.
2. Use Harper No. 2, (420 lbs), Modified to Include 1" Lip, or Vule in No. VM-15, (420 lbs), Modified to Include 1" Lip.

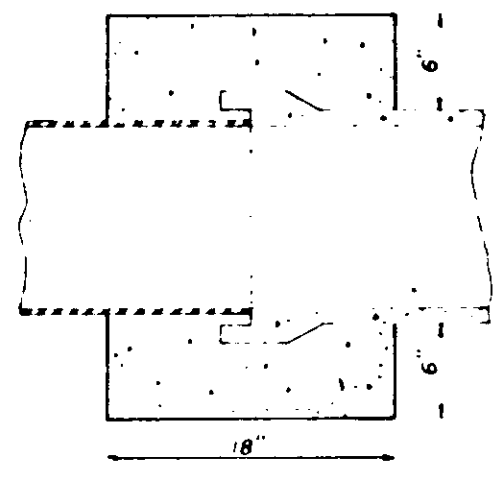


**TYPICAL SECTION
CLASS "D" BEDDING**

NOTE: Shovel-Slice and Compact Material into the Haunch Areas. Max. Depth of Cut = 8'-10"



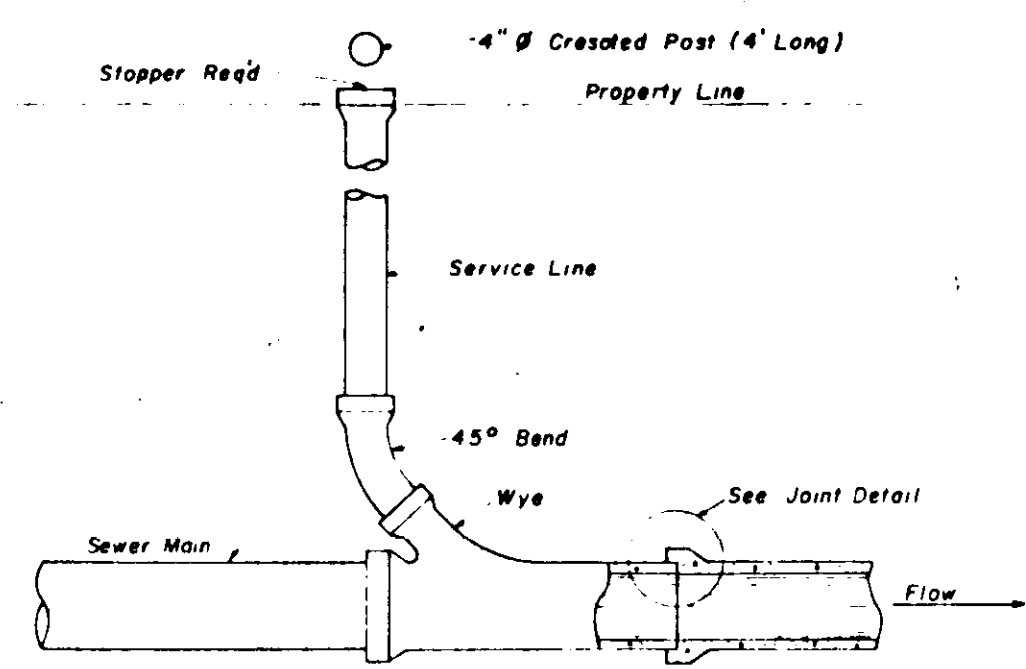
ELEVATION



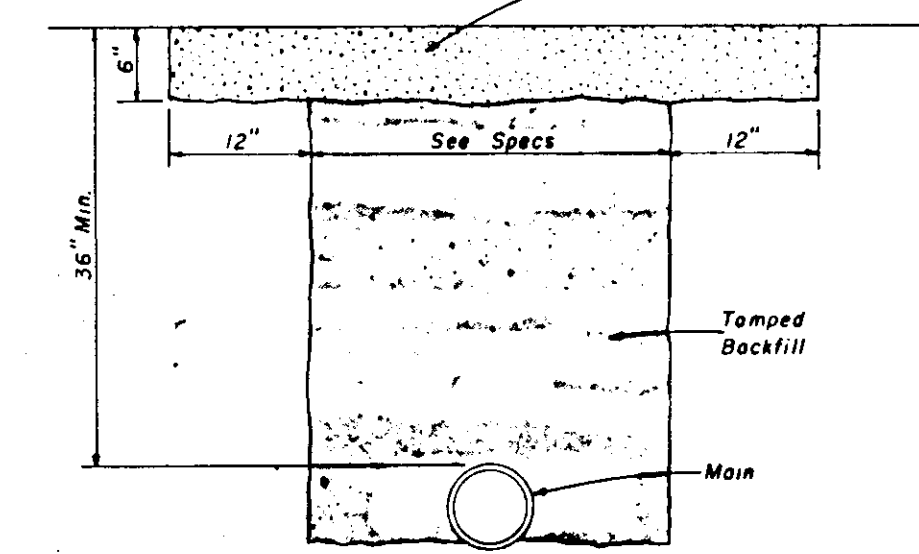
SECTION

CONCRETE COLLAR DETAILS

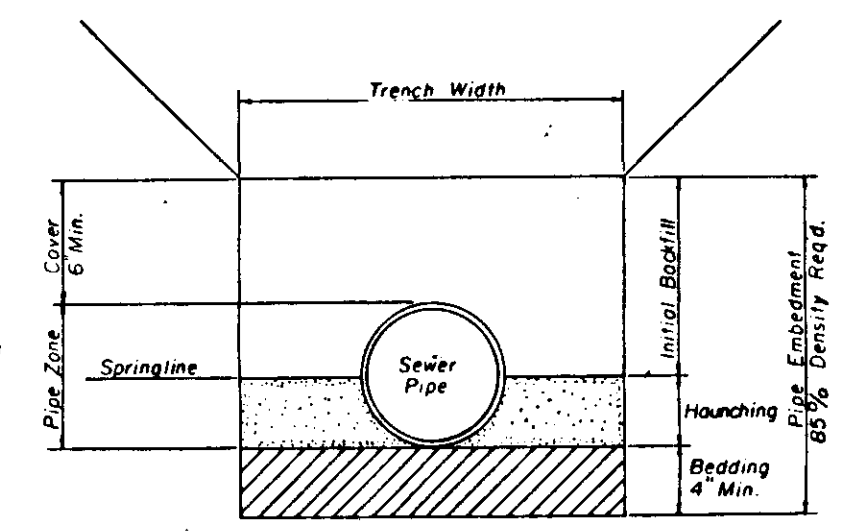
NOTE: All Lift Holes on each section shall be sealed with mortar and concrete grout on the outside.



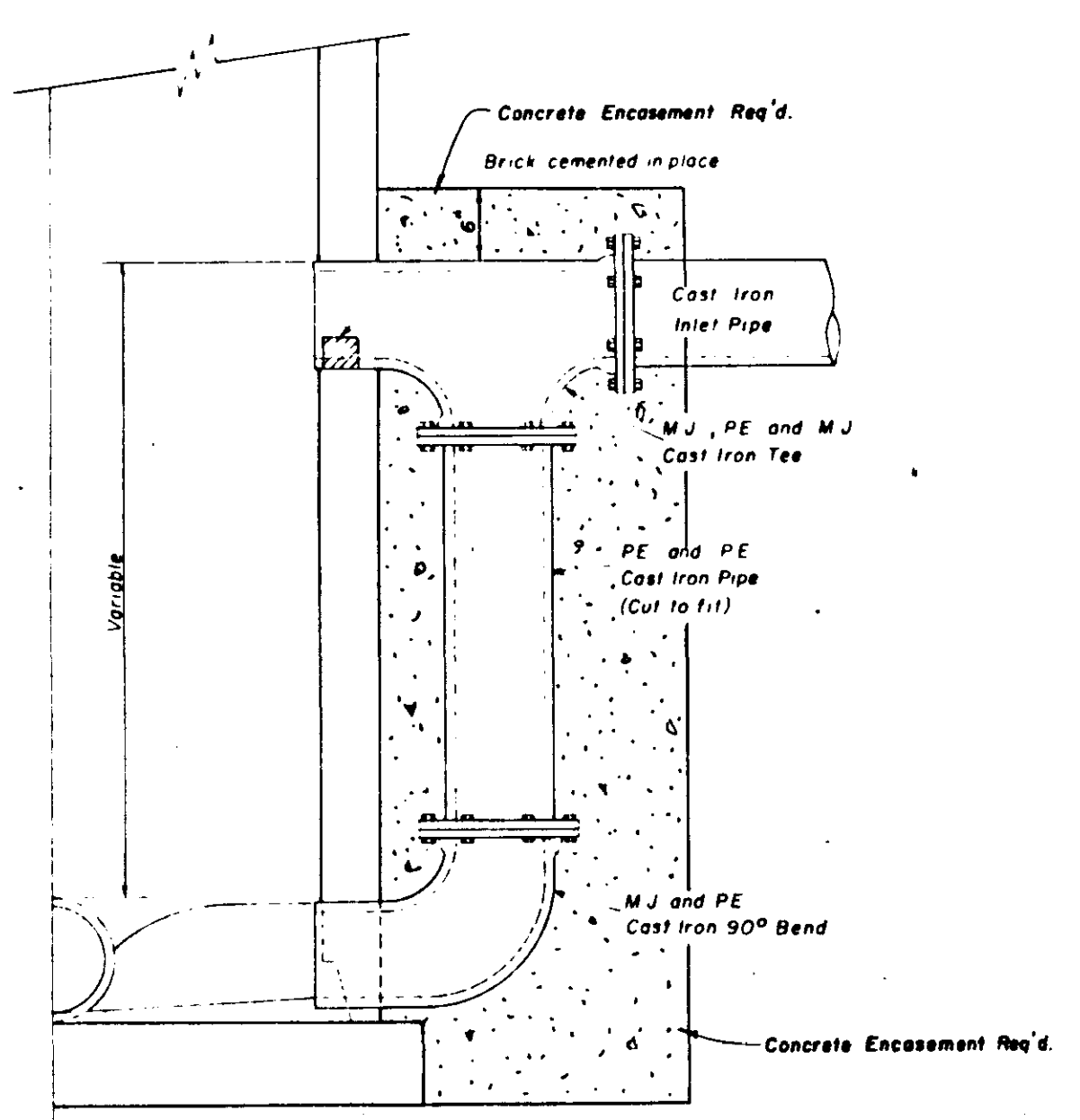
**TYPICAL SERVICE TO PROPERTY LINE
WITH WYE JOINT**



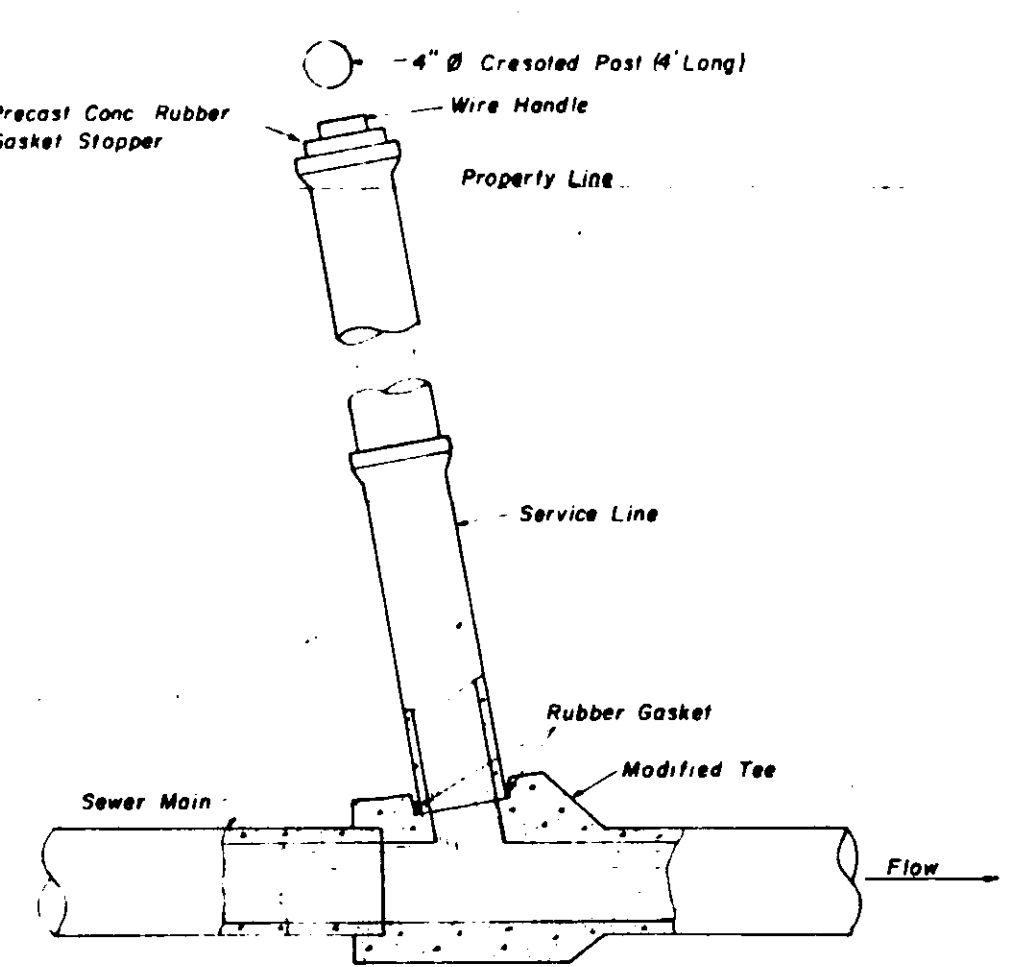
GRAVEL OR TEMPORARY SURFACE



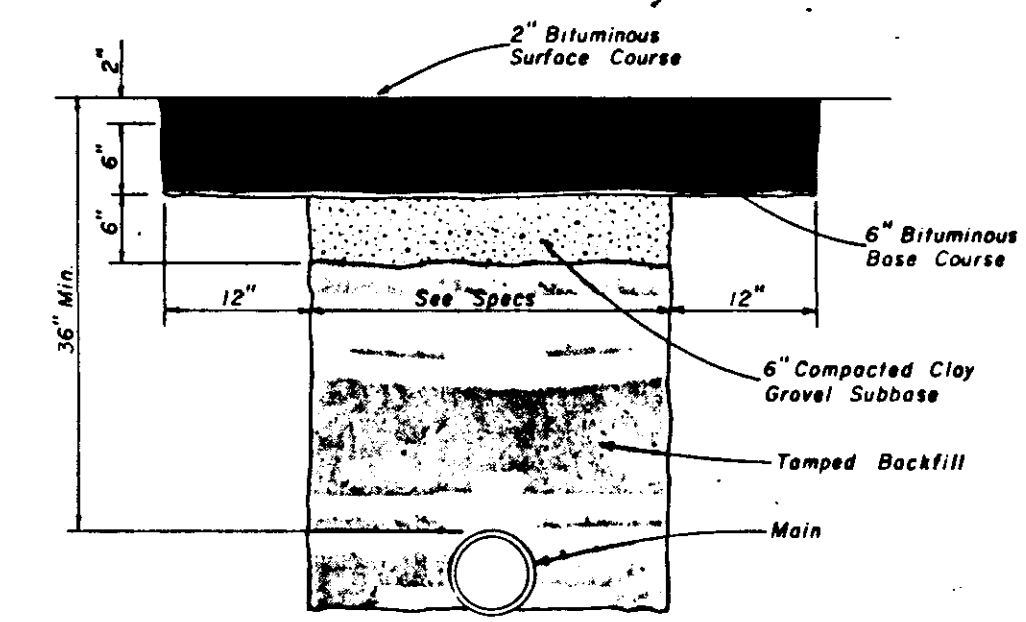
**TYPICAL BEDDING DETAIL
PVC PIPE**



**HALF SECTION
MANHOLE WITH DROP CONNECTION**

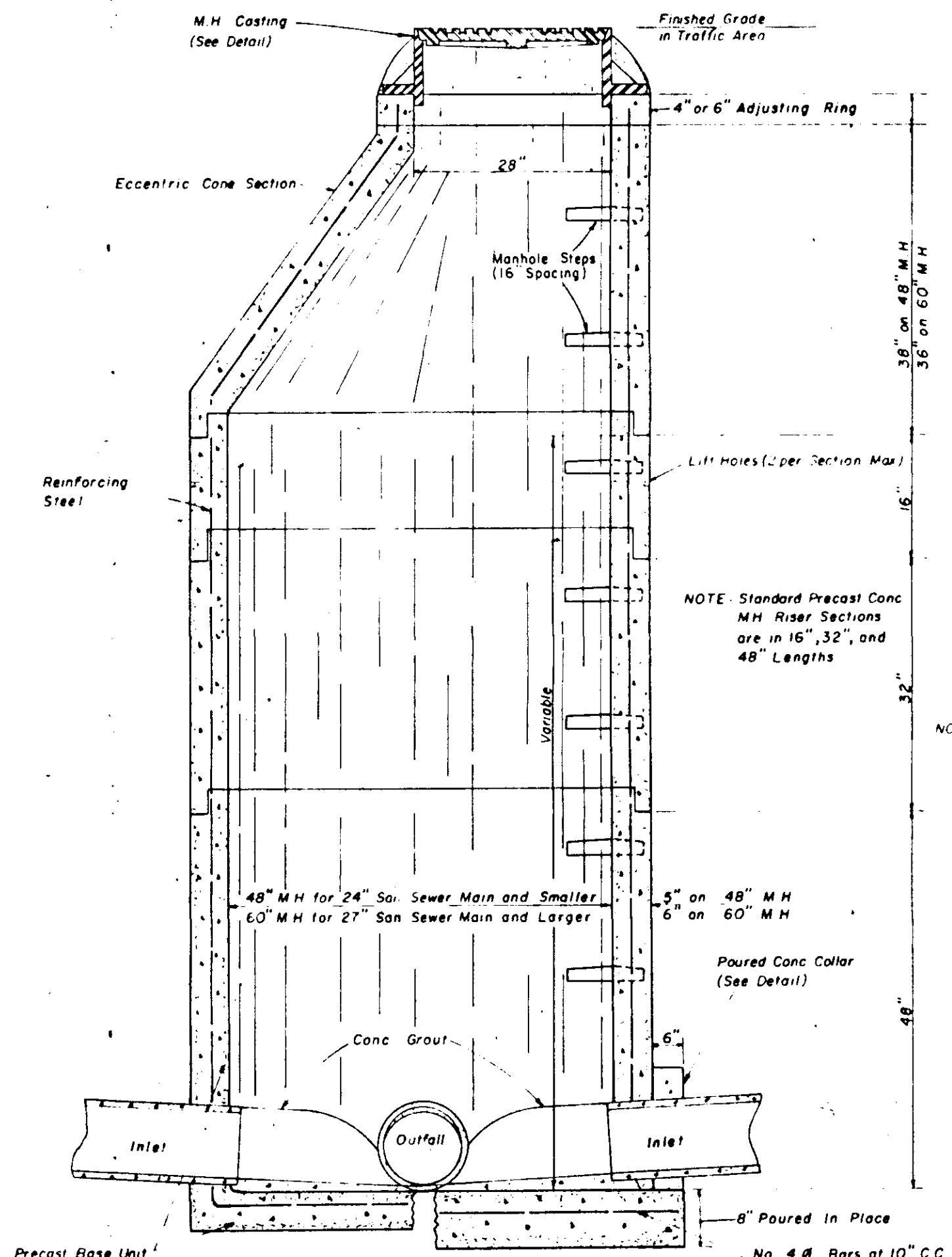


**TYPICAL SERVICE TO PROPERTY LINE
WITH MODIFIED TEE JOINT**



PERMANENT ASPHALT SURFACE

**TYPICAL TRENCH SECTIONS
ACROSS IMPROVED SURFACE AREAS**



**SECTION
PRECAST CONCRETE MANHOLE**

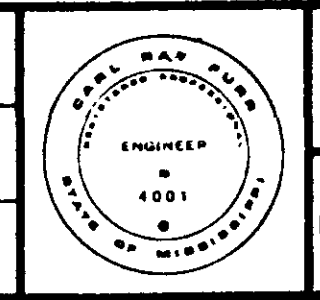
NOTE: Standard Precast Conc. M.H. Riser Sections are in 16", 32", and 48" Lengths.

NOTE: All Manhole Joints to be gasketed.

NOTE: 4 @ 10" CC on 48" M.H.
4 @ 9" CC on 60" M.H.

NO.	DATE	NATURE	BY	APP'D.	CHECKED BY	FILE NO.
2	7-28-82	ADD PVC PIPE BEDDING DETAIL	M.C.	J.L.J.	J.L.J.	
1	4-23-81	ADD CLASS "D" BEDDING DETAIL	M.C.	J.L.J.	J.L.J.	
REVISIONS						

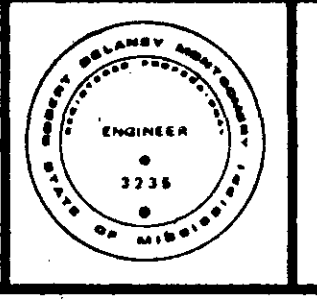
DESIGNED BY J.L.J.	DATE 12-3-80
DRAWN BY R.C.	SCALE AS SHOWN
CHECKED BY J.L.J.	FILE NO.



UNDERWOOD DEVELOPMENT COMPANY

ENGINEERING ASSOCIATES, INC. - CONSULTING ENGINEERS

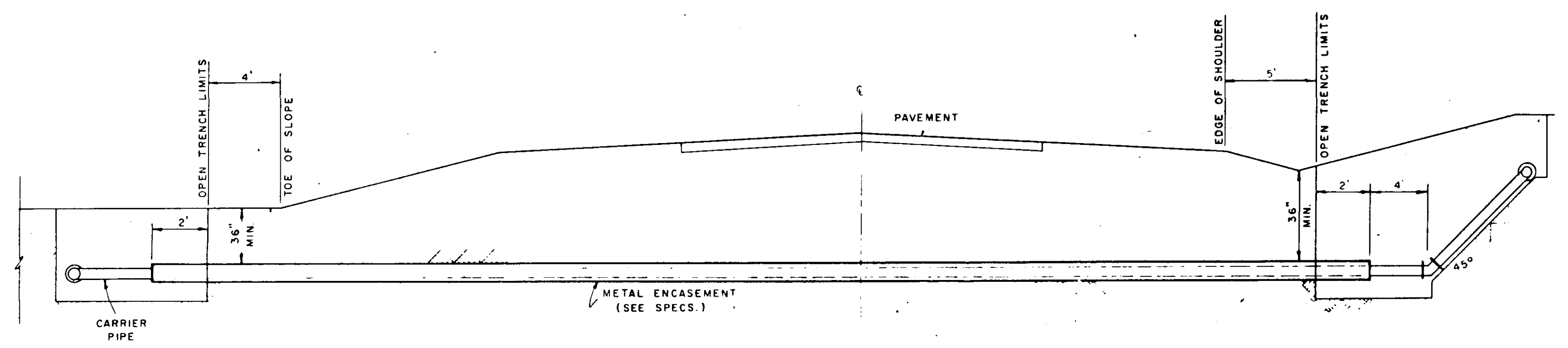
JACKSON, MISSISSIPPI



SEWER

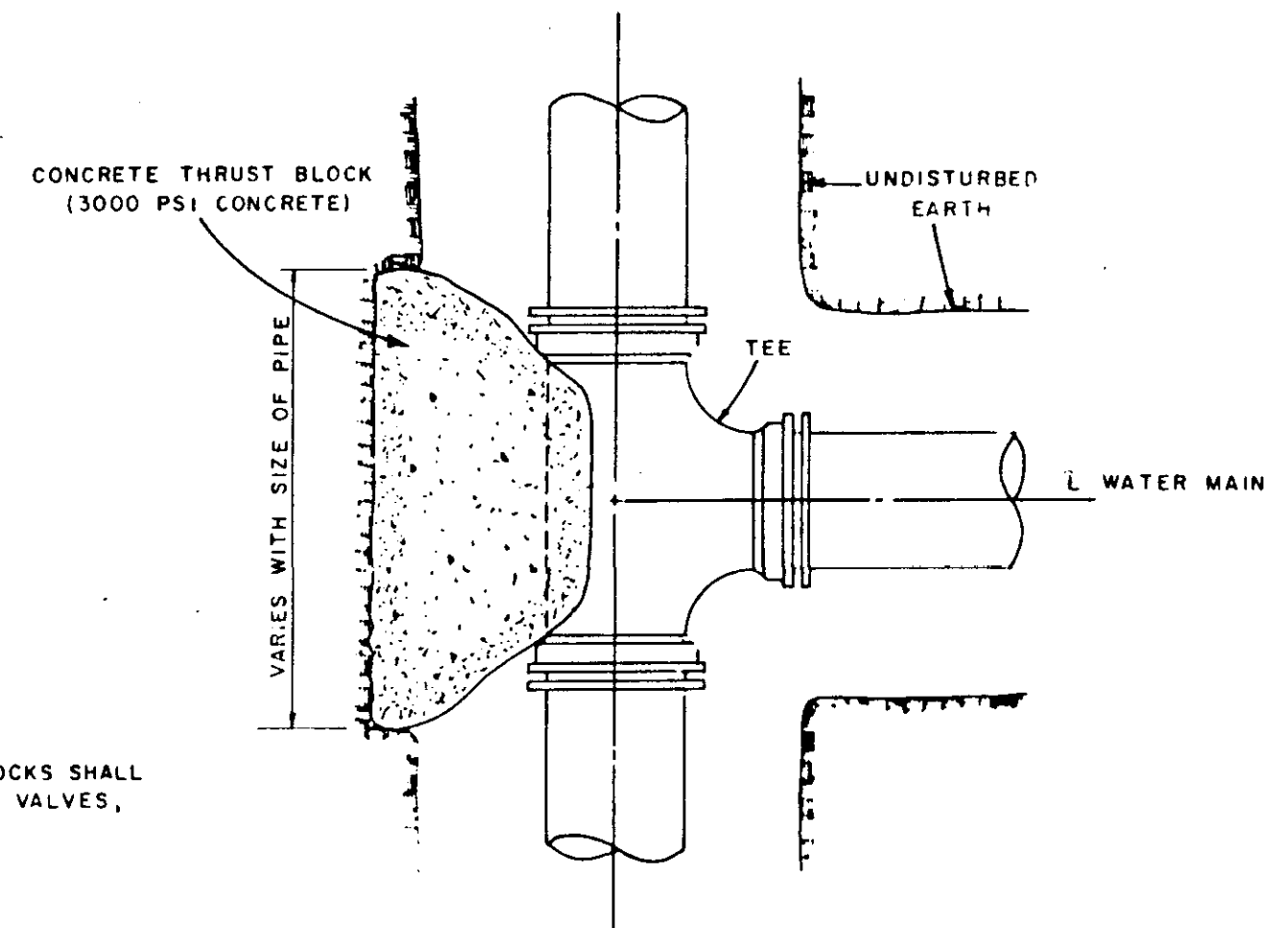
STANDARD CONSTRUCTION DETAILS

PROJECT NO. 586
CONTRACT SHEET S-1

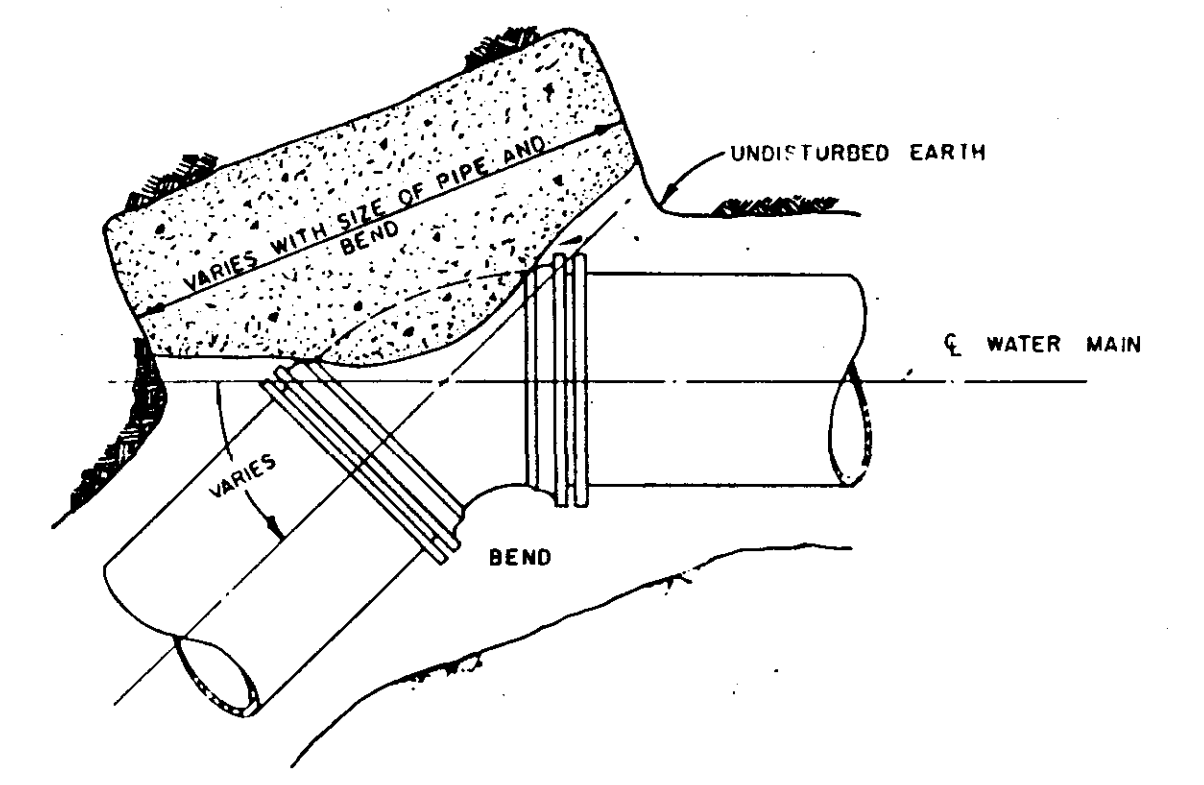


TYPICAL CASSED CROSSING

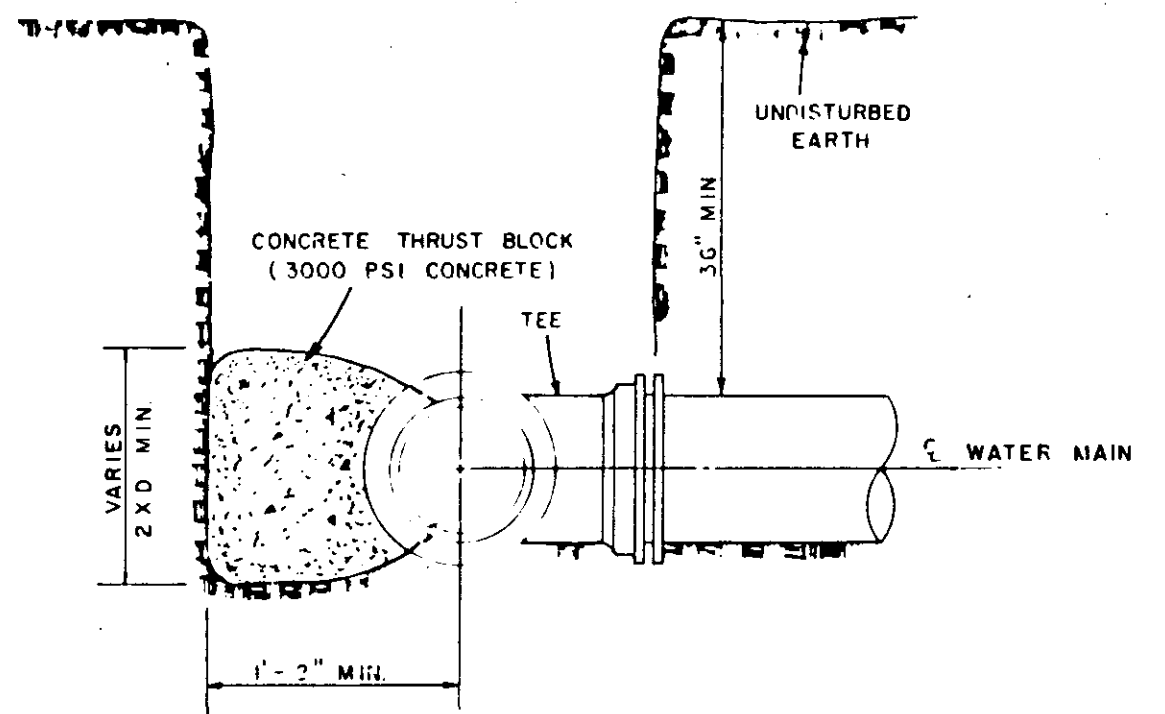
NOTE: COMPENSATION FOR CONCRETE THRUST BLOCKS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR VALVES, FIRE HYDRANTS AND FITTINGS.



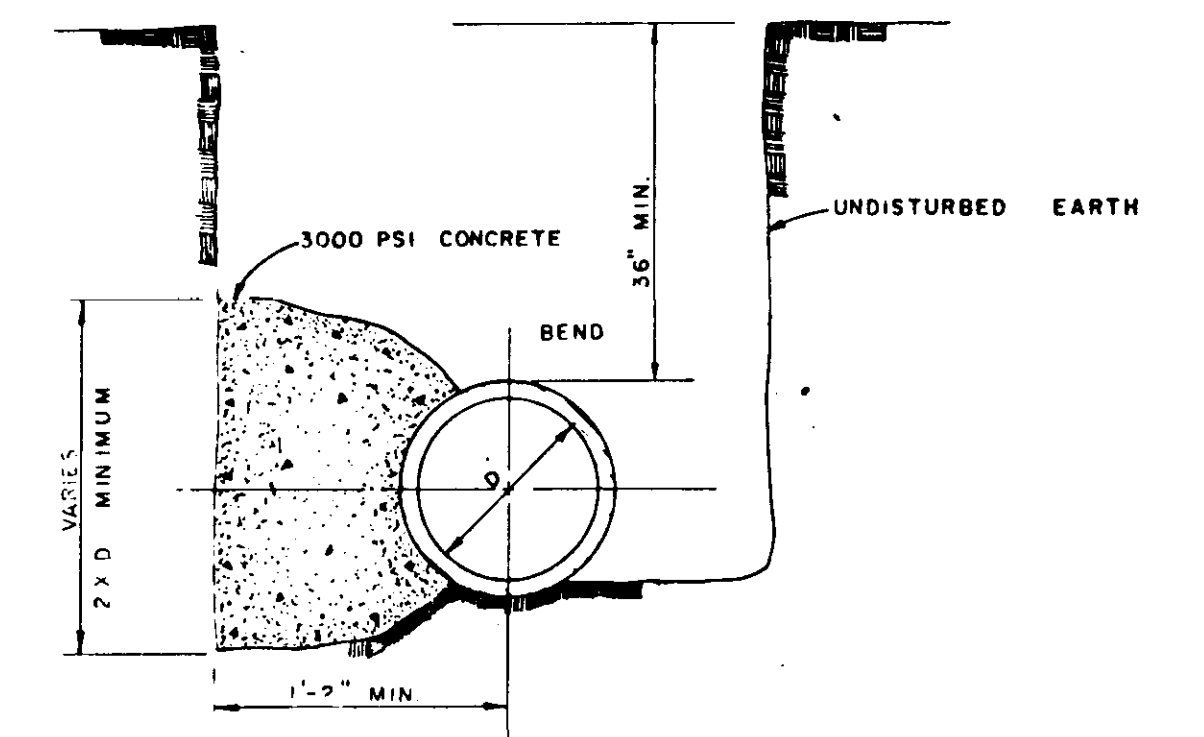
PLAN



PLAN

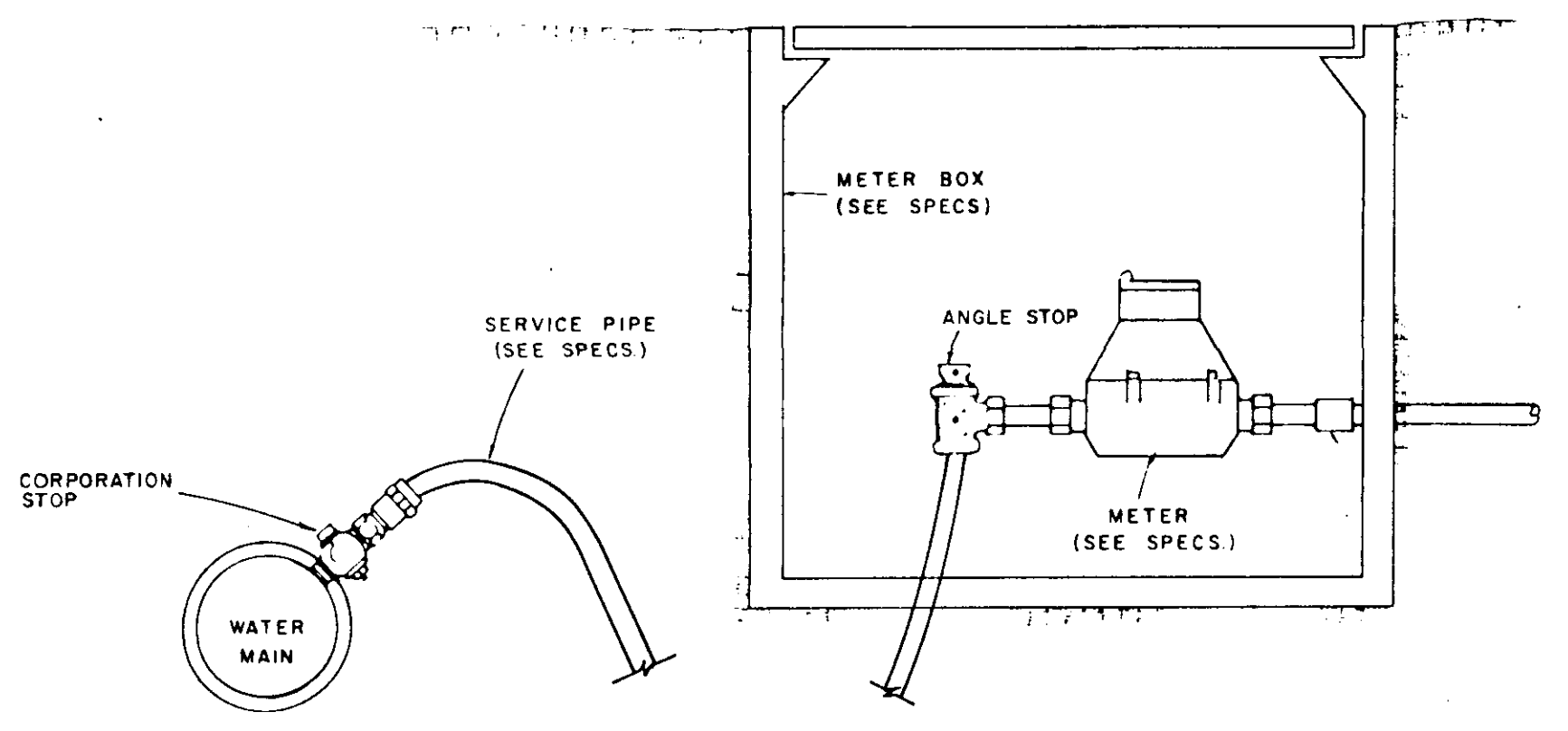


SECTION

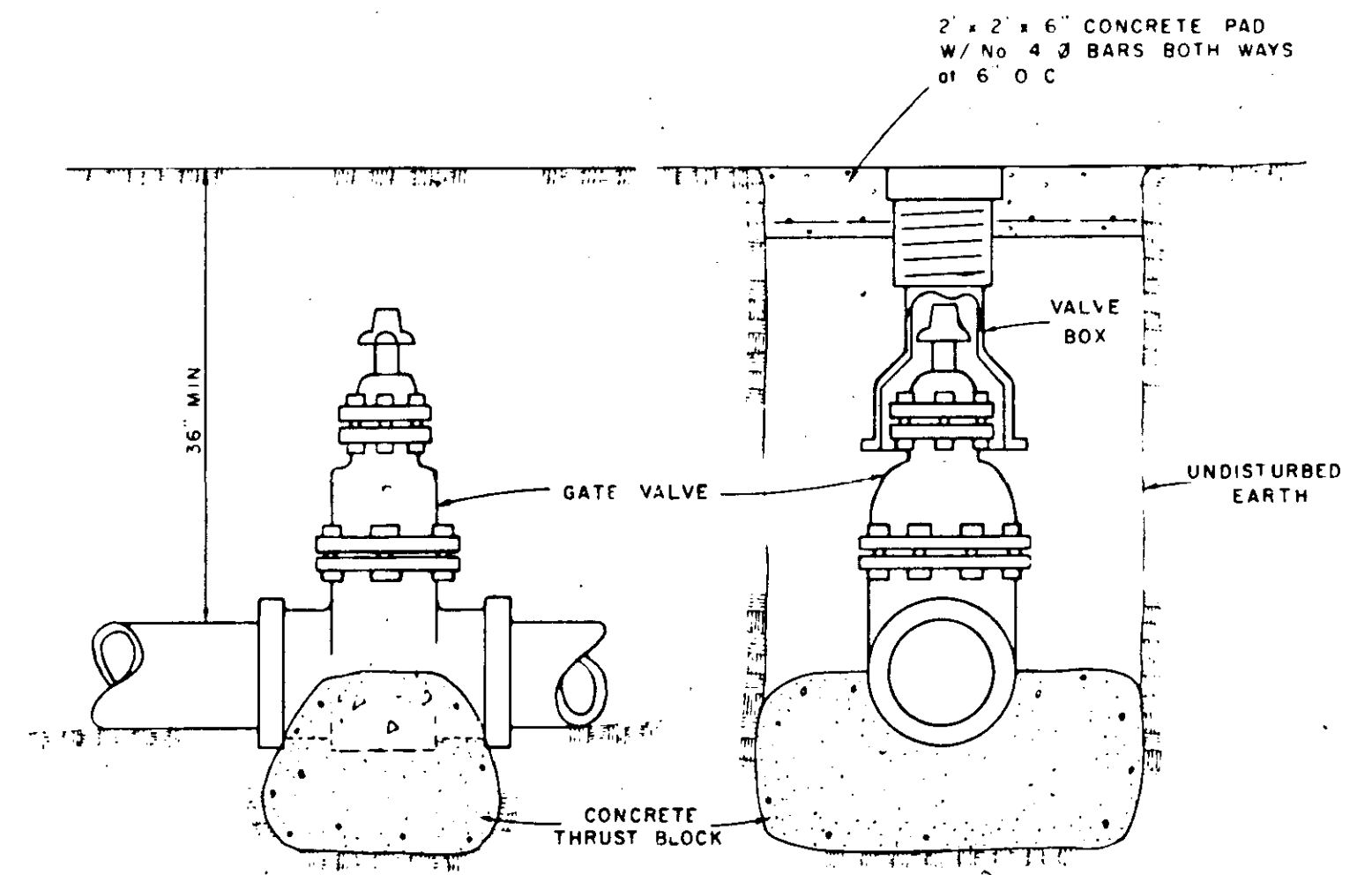


SECTION

BLOCKING DETAILS FOR TEES & BENDS



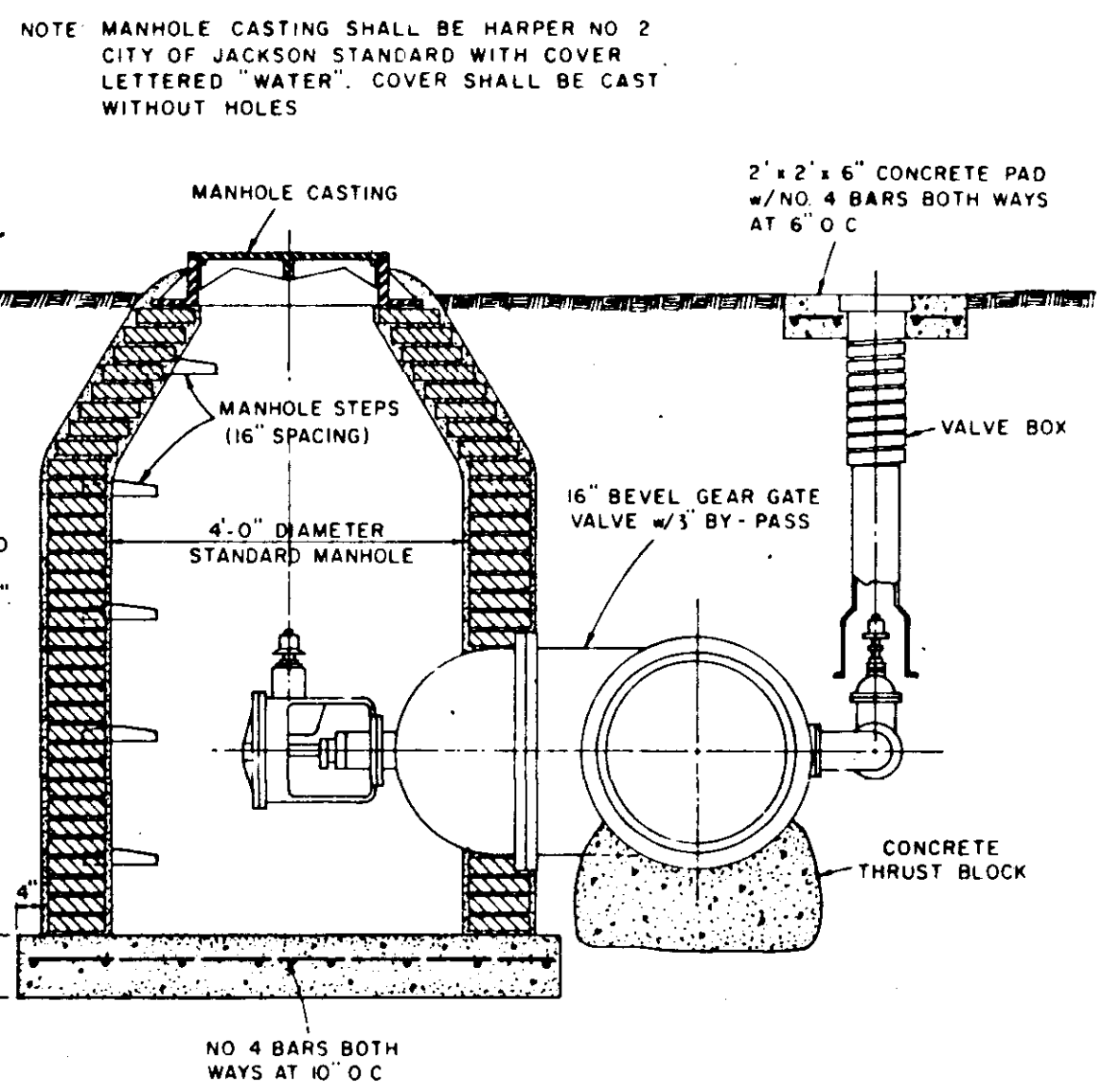
TYPICAL SERVICE ASSEMBLY



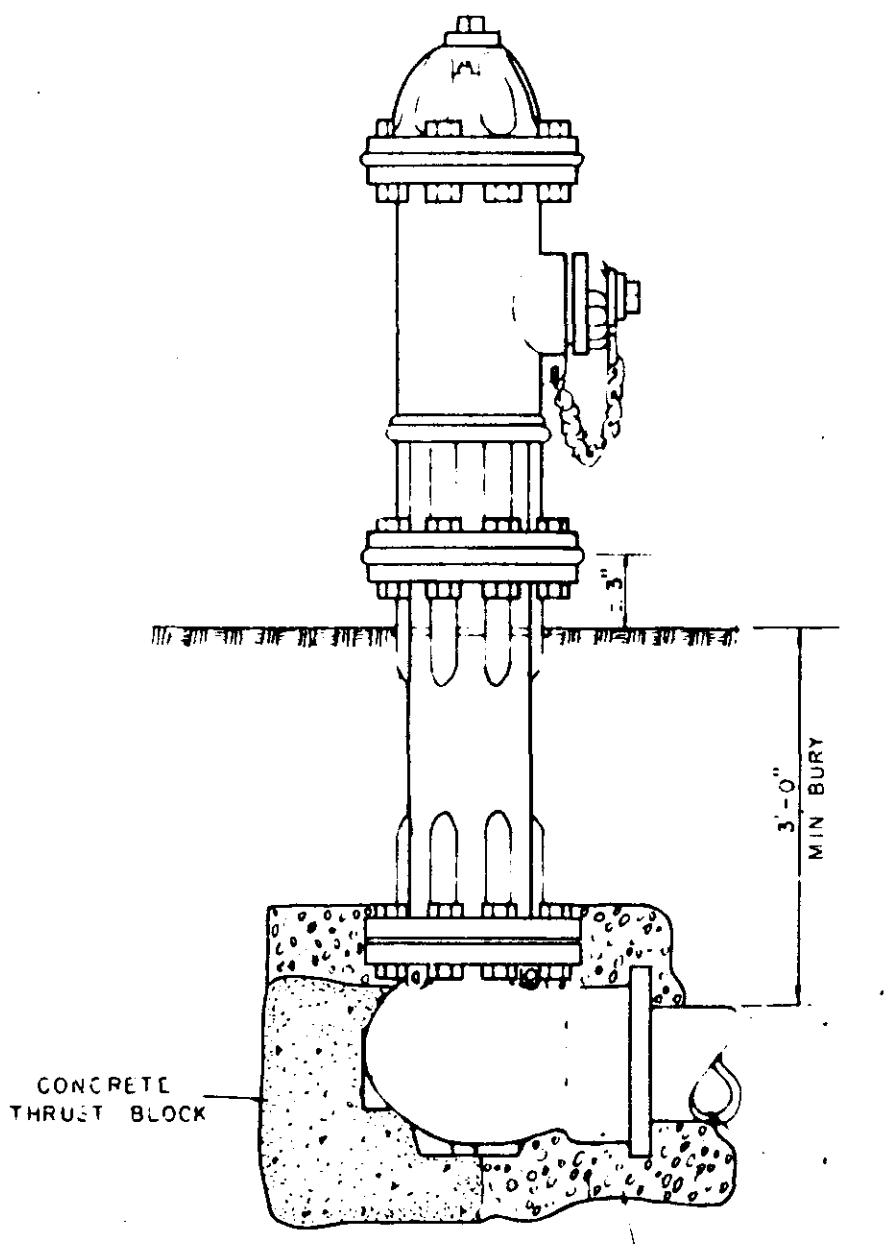
ELEVATION

SECTION

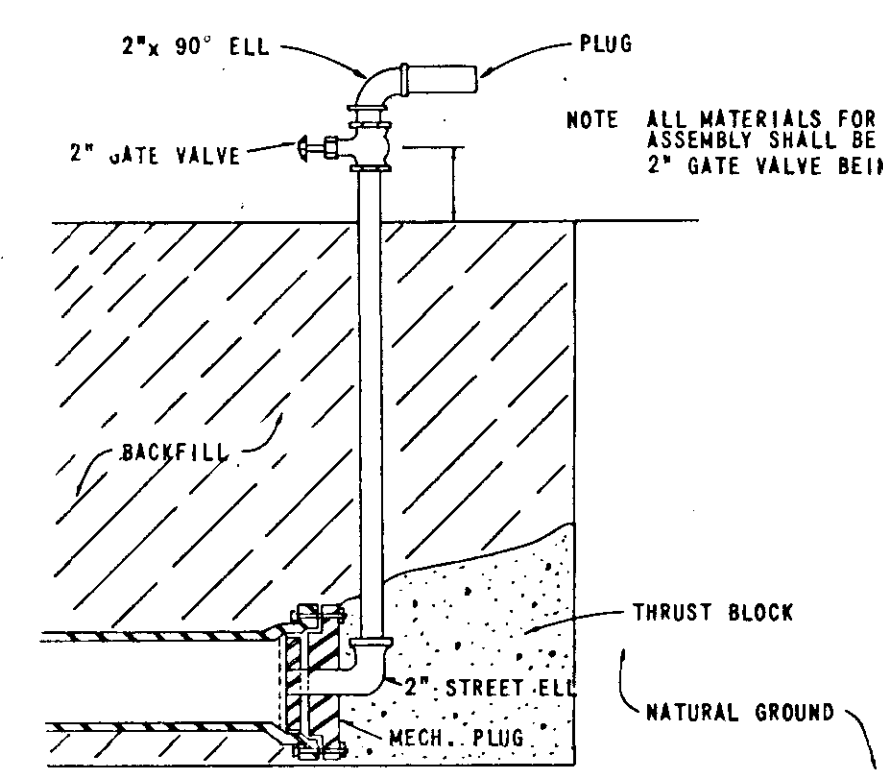
TYPICAL VALVE & BOX



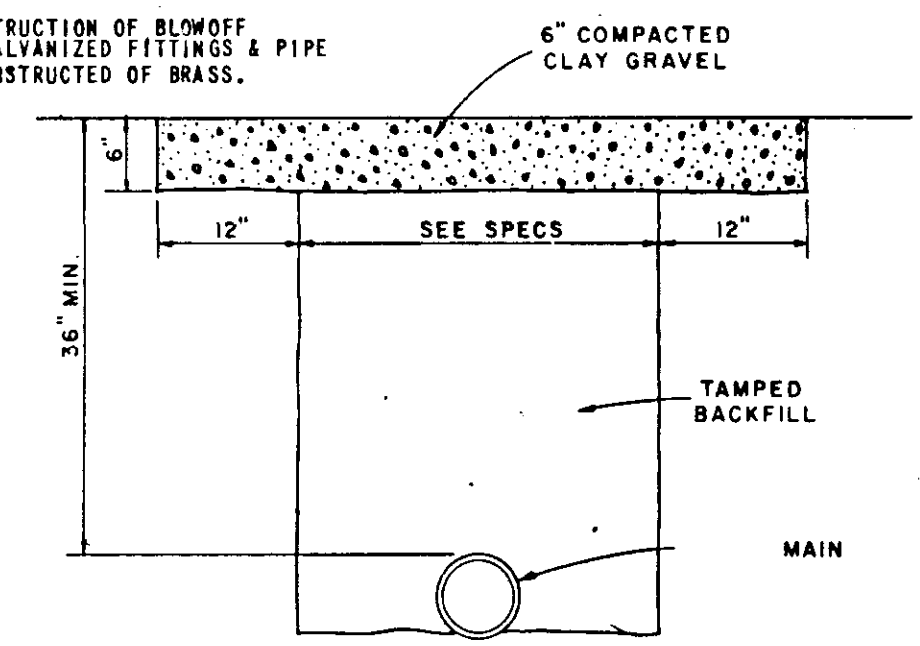
SECTION
16\"/>



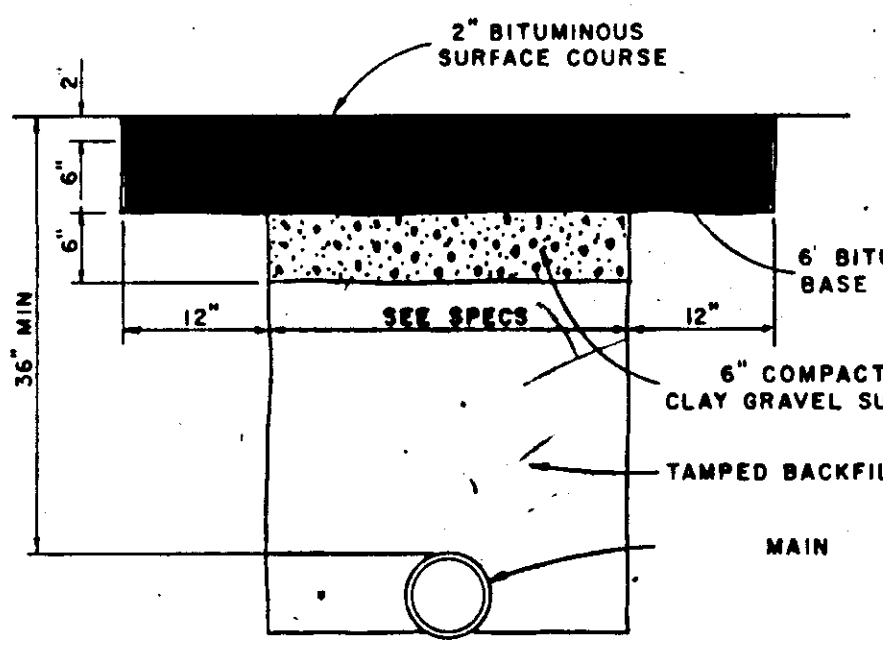
TYPICAL FIRE HYDRANT



BLOW OFF ASSEMBLY



GRAVEL OR TEMPORARY SURFACE

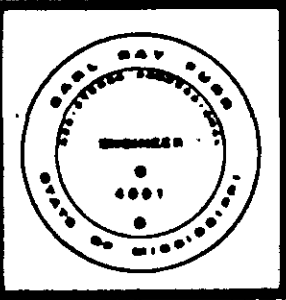


PERMANENT ASPHALT SURFACE

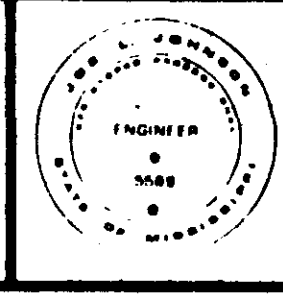
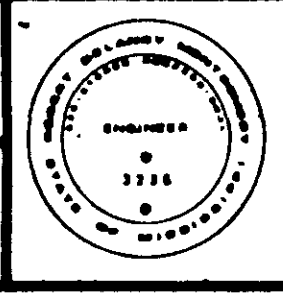
TYPICAL TRENCH SECTIONS
ACROSS IMPROVED SURFACE AREAS

NO.	DATE	NATURE	BY	APP'D.
1	9-20-78	ADD TYPICAL TRENCH SECTIONS	J. L. J.	
REVISIONS				

DESIGNED BY J. L. J.	DATE
DRAWN BY D. B.	SCALE N. T. S.
CHECKED BY J. L. J.	FILE NO.



UNDERWOOD DEVELOPMENT COMPANY
ENGINEERING ASSOCIATES, INC. - CONSULTING ENGINEERS
JACKSON, MISSISSIPPI



CONSTRUCTION DETAILS
WATER SYSTEM IMPROVEMENTS

PROJECT NO. 586	SHEET W-1
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