

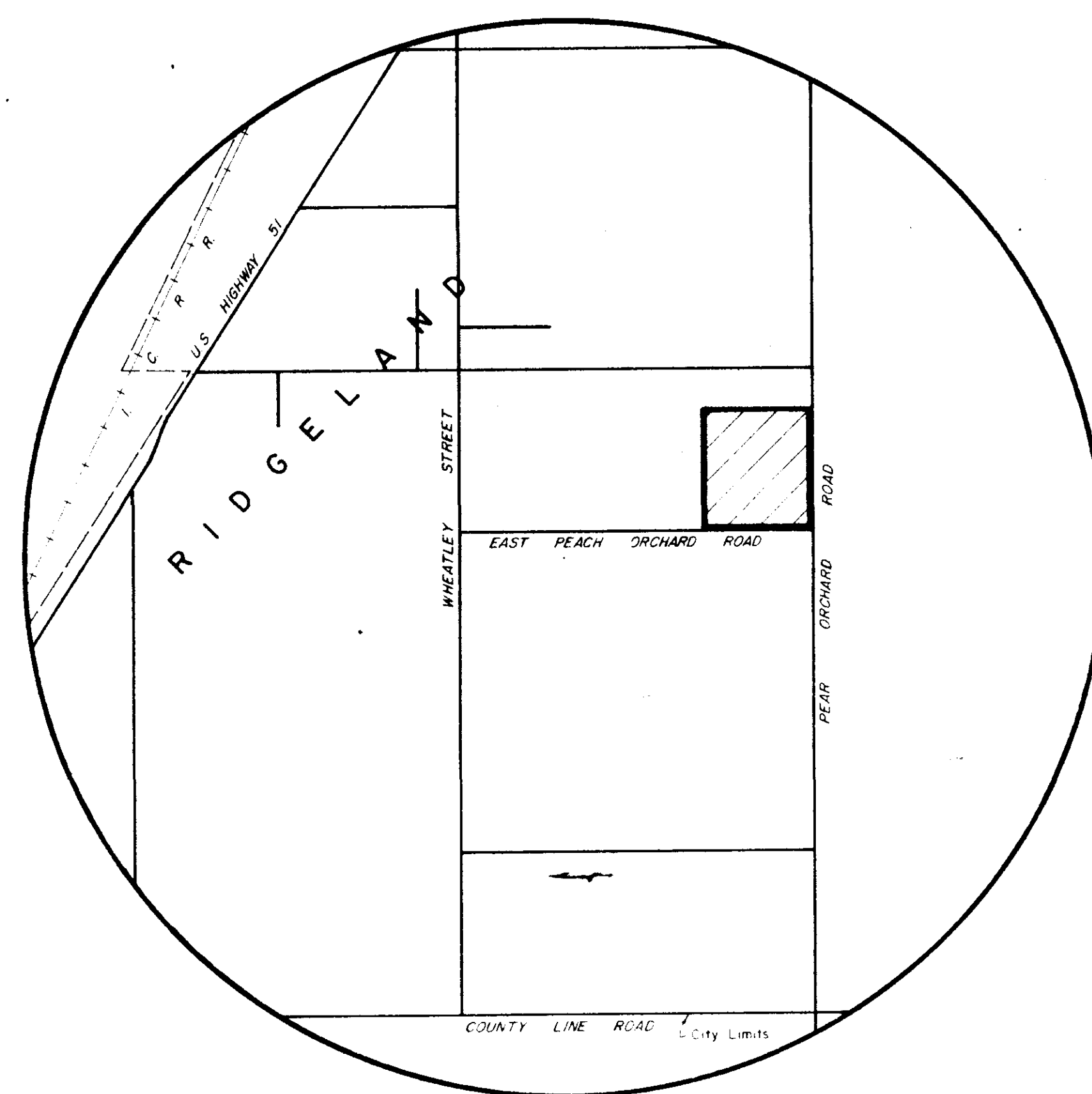
PEAR

ORCHARD

SUBDIVISION

PART

V



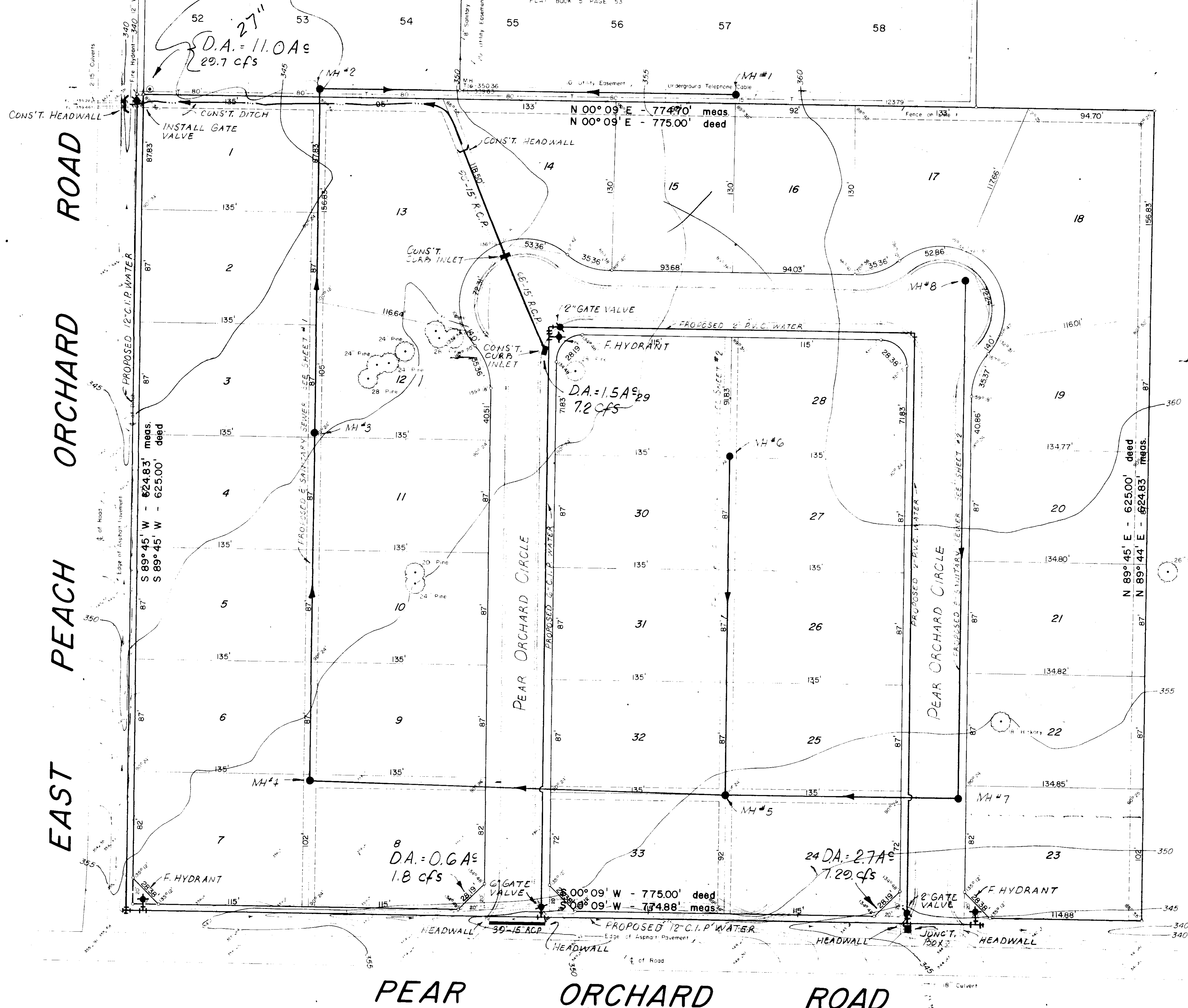
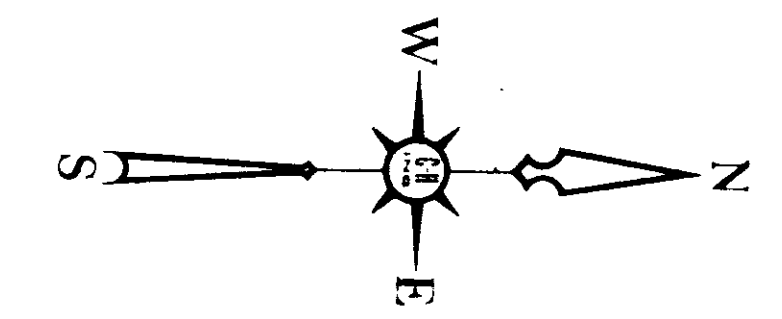
Pear Orchard 5

CASE-HUTCHINSON, INC.  
jackson, mississippi  
july, 1975

PWP-1606

# SYCAMORE CIRCLE

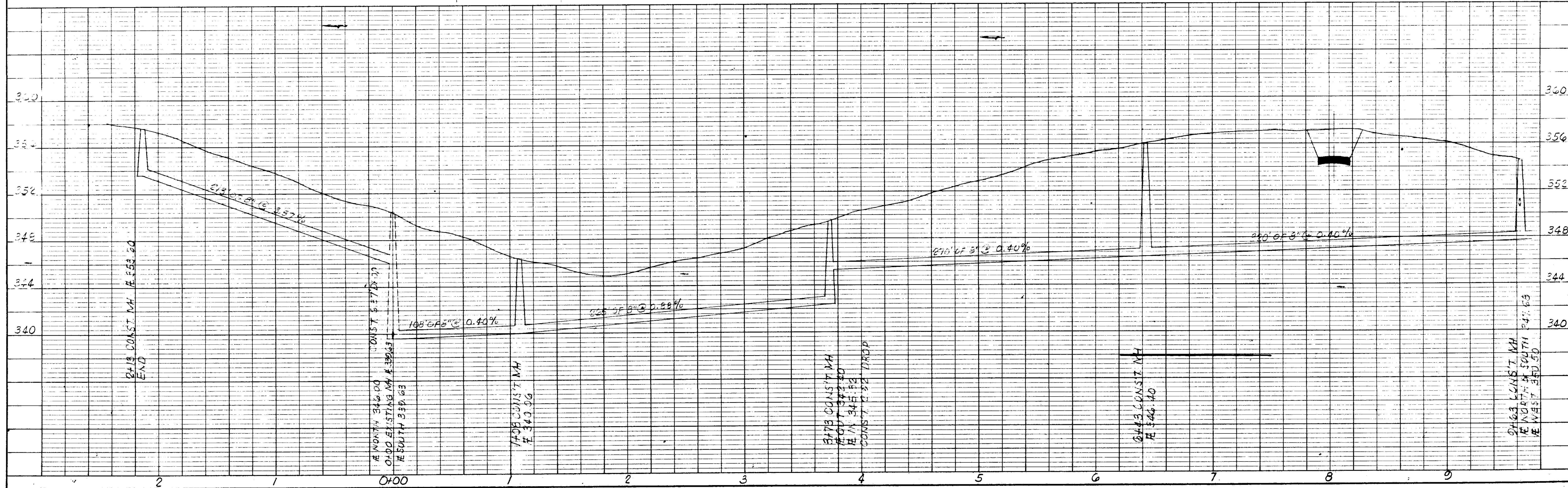
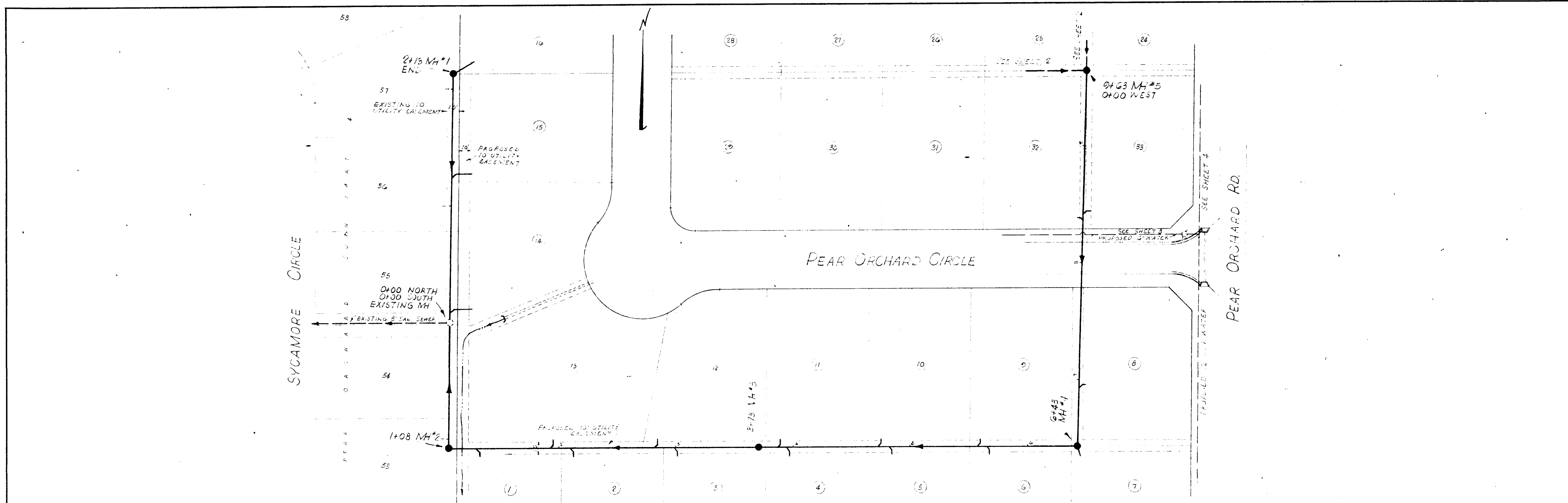
PEAR ORCHARD SUBDIVISION, PART 4  
PLAT BOOK 5 PAGE 53



PEAR ORCHARD SUBDIVISION, PART 4		
CASE-HUTCHINSON, INC. Jackson, Mississippi		
SCALE: 1" = 40'	DATE: JULY, 1975	SHEET 1 OF 7

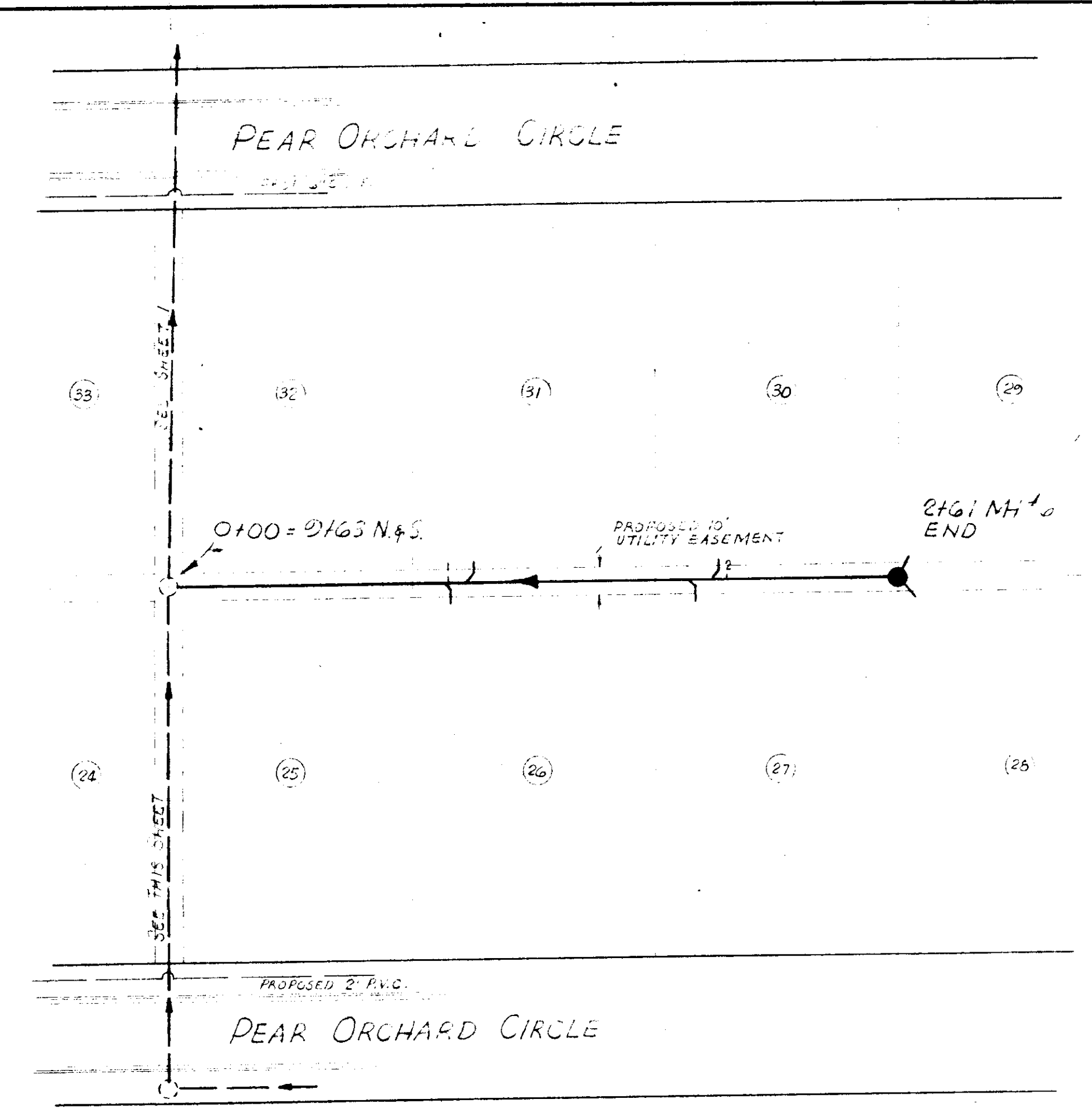
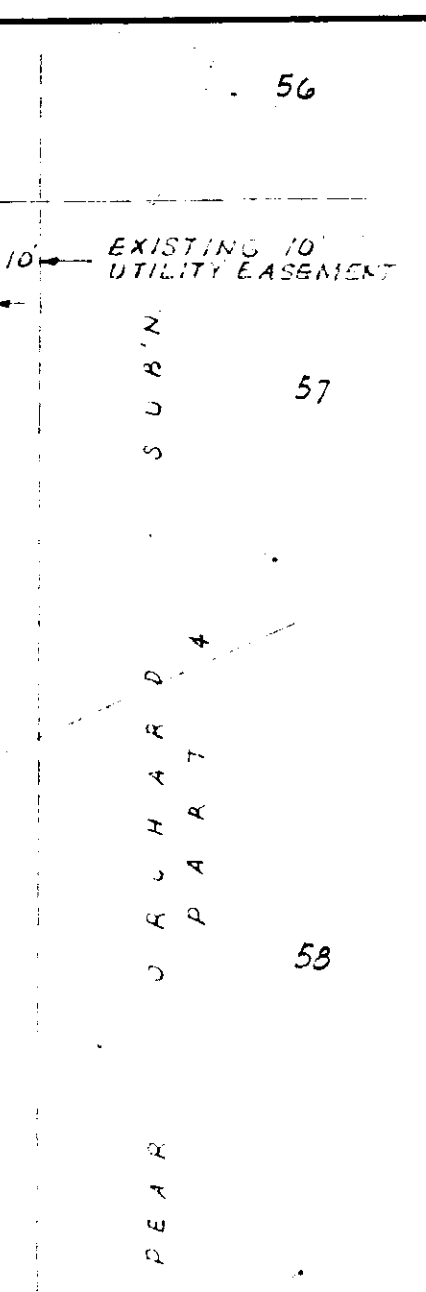
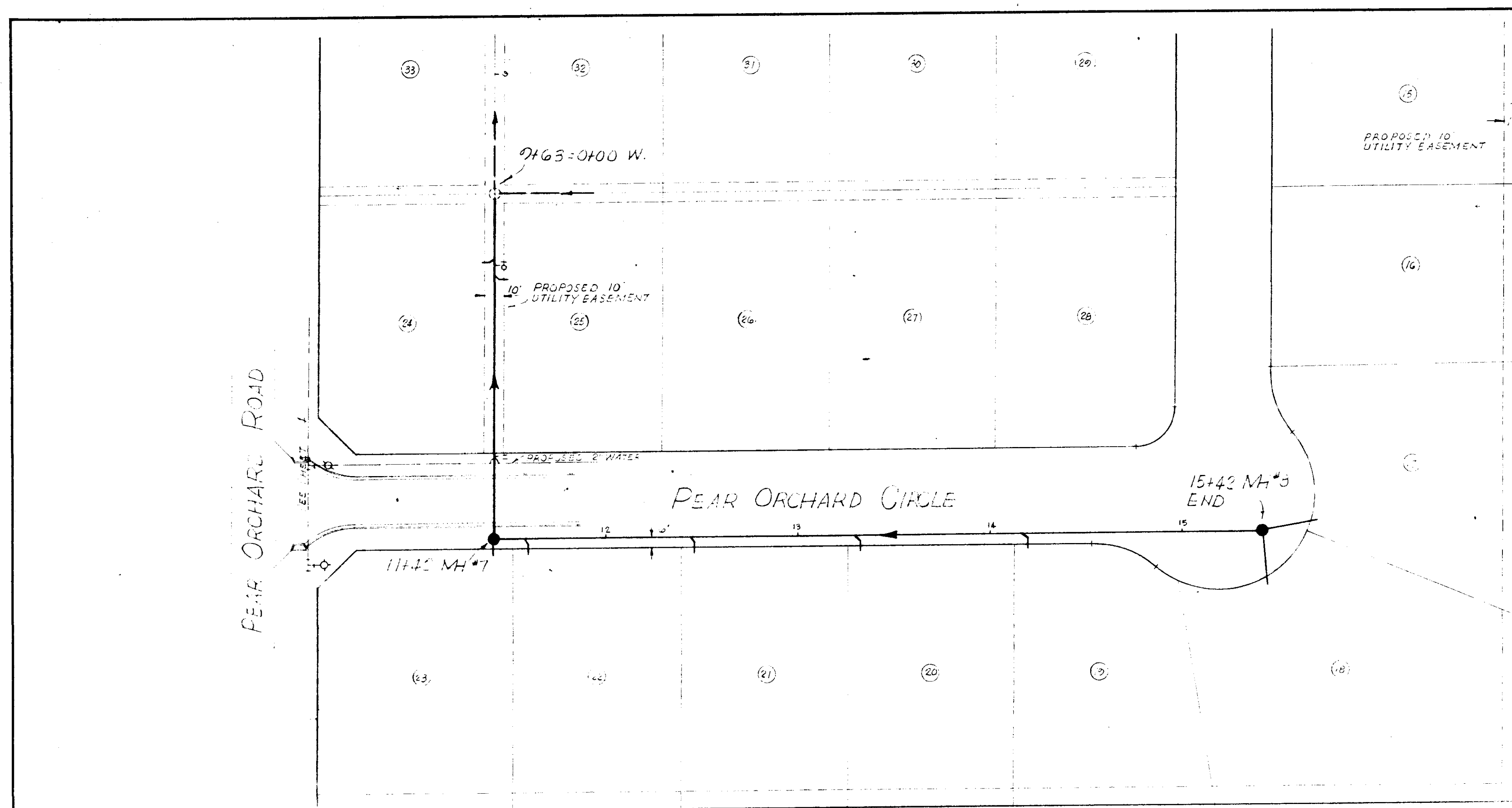
PLAN  
 SURVEYED, PLOTTED, CHECKED, & NOTED.  
 NO. OF WAY CHECKED.

PROFILE  
 SURVEYED, PLOTTED, CHECKED, & NOTED.  
 NO. OF WAY CHECKED.

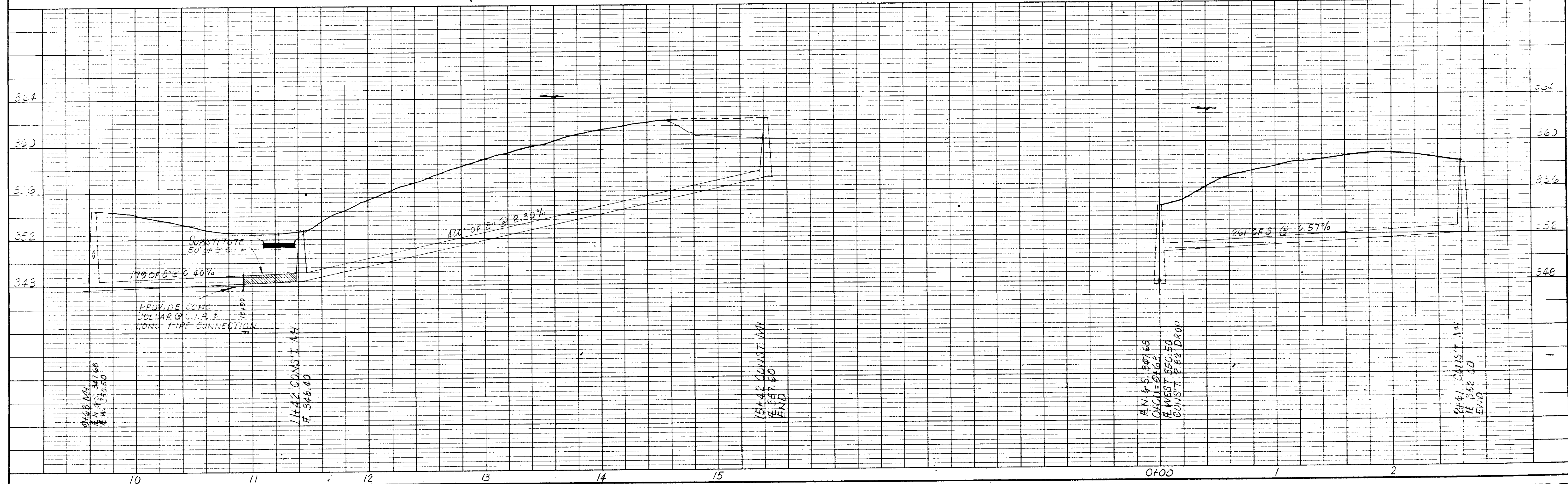




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 NOTE BOOK: \_\_\_\_\_  
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 STRUCTURE NOTATIONS CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_



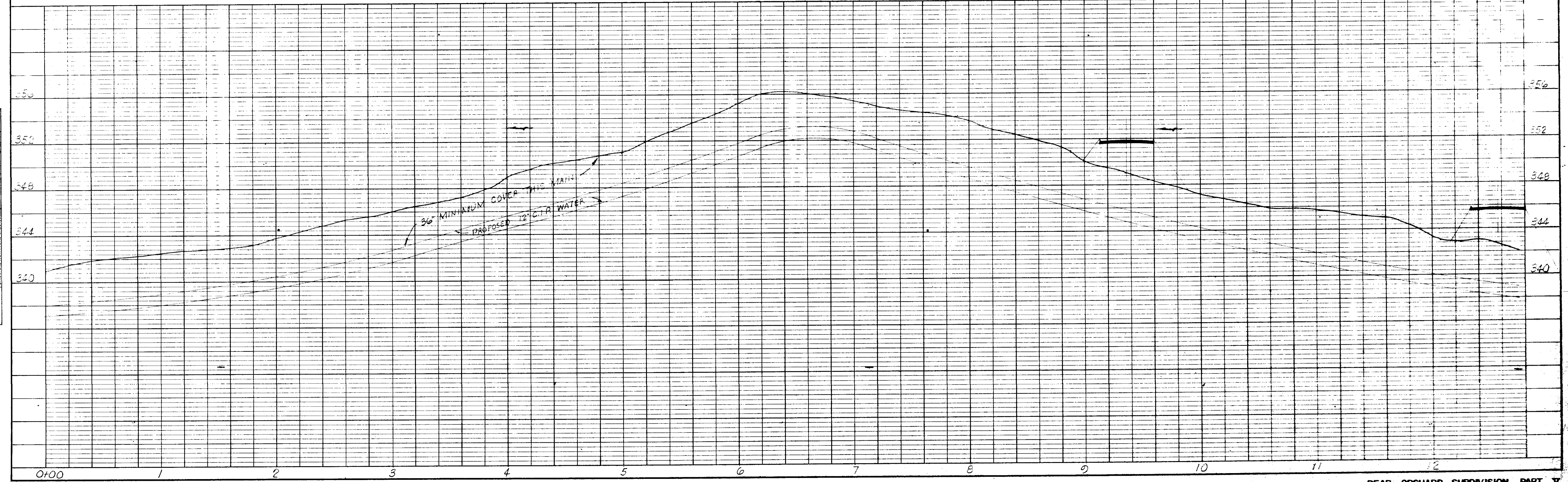
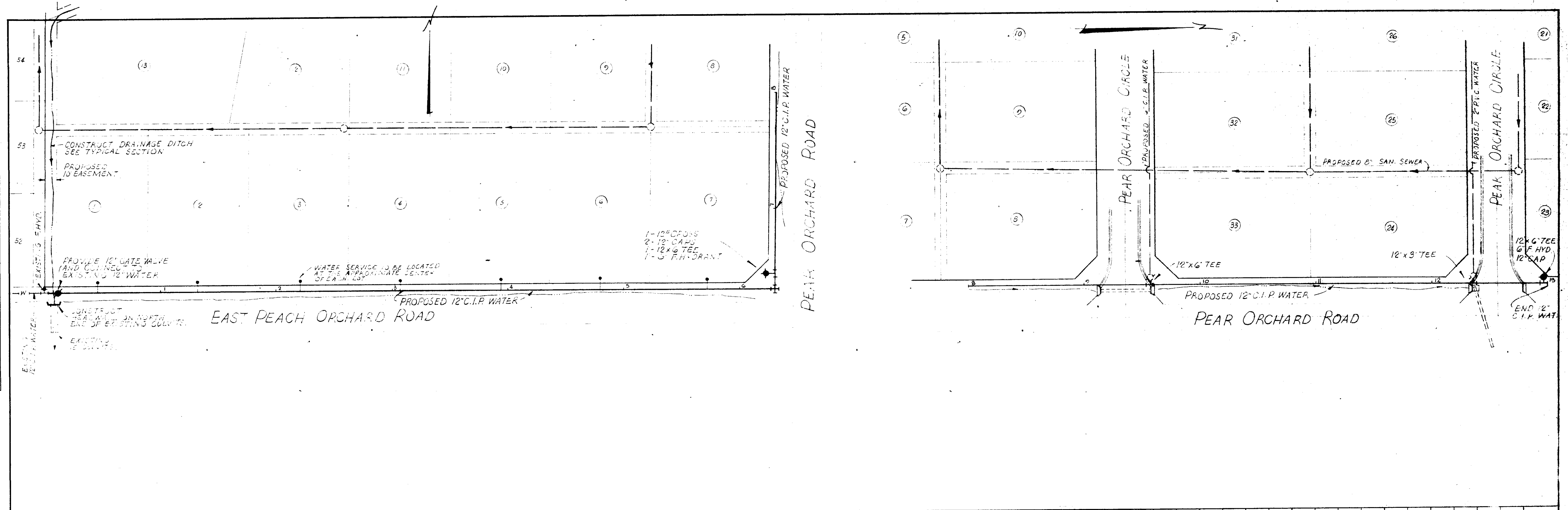






DATE	
BY	
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NO. OF WAY CHECKED	
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DATE	
BY	
APPROVED	
NOTED	
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NO. OF WAY CHECKED	
NO.	



(1) Sanitary sewer pipe shall be plain concrete, bell & spigot and shall conform to ASTM designation C-11. All pipe shall have "rubber gasket joints" Tylox type CR as manu. by the Ham Iron-Kent Mfg. Co., Kent, Ohio or equal. All pipe shall be laid by string line and batter board method. Back-fill shall be hand tamped to 6" above pipe; additional back-fill shall be placed in 12" lifts and compacted by an approved method. Sewer pipe shall be washed clean and tamped before final approval is made.

(2) Manholes shall be constructed of brick as shown on plans or may be of the "precast" type as manufactured by Faulkner Concrete Pipe Co., or an approved equal.

(3) All sewer service lines shall be constructed perpendicular to main, with the use of 1/8 bends or as shown on plans. Service lines shall extend a minimum of 10' from main line. Ends of service lines shall be plugged water tight and marked with 4x4 oak post or an approved equal. Contractor is responsible for recording the station number of each service wye.

(4) Cast iron water pipe shall be 18/40, class 22 or ASA-A21.8, slip joint.

(5) All pipe designated PVC shall be 160 psi "Bell-ite", as manufactured by the Anesite Division, Clow Corp. or approved equal and shall conform to commercial standard CS-206-63. Pipe shall bear the National Sanitation Foundation seal of approval. Fittings shall be cast iron, mechanical joint, with duck lip transition gaskets.

(6) Gate valves for water mains shall be A.W.W.A. standard C-500 or Federal Specifications WW-V-50, class A, non-rising stem, iron body, bronze mounted, mechanical joint, hydrostatically tested to 300 p.s.i., and furnished with transition gaskets to convert from cast iron pipe to PVC pipe. Stems shall be manganese bronze, fitted with "O" ring seals and standard A.W.W.A. square operating nuts. All valves shall be protected with a cast iron valve box.

(7) Fire hydrants shall be Mueller Co., A-24019, or equal, improved (traffic) model meeting A.W.W.A. specifications C-502-51. Hydrants shall be equipped with an oil reservoir for stem thread lubrication and "O" ring seals. Hose connections shall be 2 1/2" National Standard threaded nozzles. Operating nut shall be National Standard 1 1/2" pentagon.

(8) Service Saddles - Clow - Vega, or equal, twin seat bronze tapping saddle for PVC pipe, corporation thread.

(9) Corporation Stops - Mueller Co., #H-15006, or equal, with conductive compression outlet, corporation thread inlet.

(10) Meter Setters - Mueller Co., #H-13666, 7" riser with inside I.P.T. outlet, conductive compression combine inlet, with plain angle stop for use with 5/8" x 3/4" standard water meters.

(11) Water meter boxes - shall be placed over all curb stops and shall be made of cast iron, as manufactured by Harper Company designated "Harper Standard".

(12) Service Tubing - Crestline Imperial, or equal, polybutylene service tubing, 3/4" diameter.

(13) Contractor shall be responsible for all construction surveying.

(14) Installation of pipe, fittings, jointing, trench backfilling, thrust blocking, etc., procedures shall be in accordance with manufacturer's recommendations.

(15) All gate valves shall be Mueller A - 2380 - 20 with cast iron valve box or approved equal.

(16) All cast iron pipe fittings shall be "mechanical joint" and shall conform to AWWA standard. All tees will be "blocked" with poured in place concrete.

(17) Water system shall be pressure tested at 100 psi for 12 hrs., sterilized and bacteriological test samples taken and approved by county health officer before final acceptance.

(18) Material and workmanship is subject. At all times, to the approval of the engineer. All condemned work shall be removed and replaced to the engineer's approval.

(19) All concrete shall be 2500 psi, unless otherwise noted.

(20) Infiltration rate for sanitary sewers shall not exceed 2400 gal/mile/24hrs. for 8" pipe.

(21) Design capacity allowance for infiltration is 3000 gal/mile/24hrs. for 8" pipe.

(22) Minimum ground cover for all water mains and service shall be 30", unless otherwise noted.

(23) Storm sewer "Round" shall conform to ASTM specification C-76, with Tylox type "CR" rubber gasket joint.

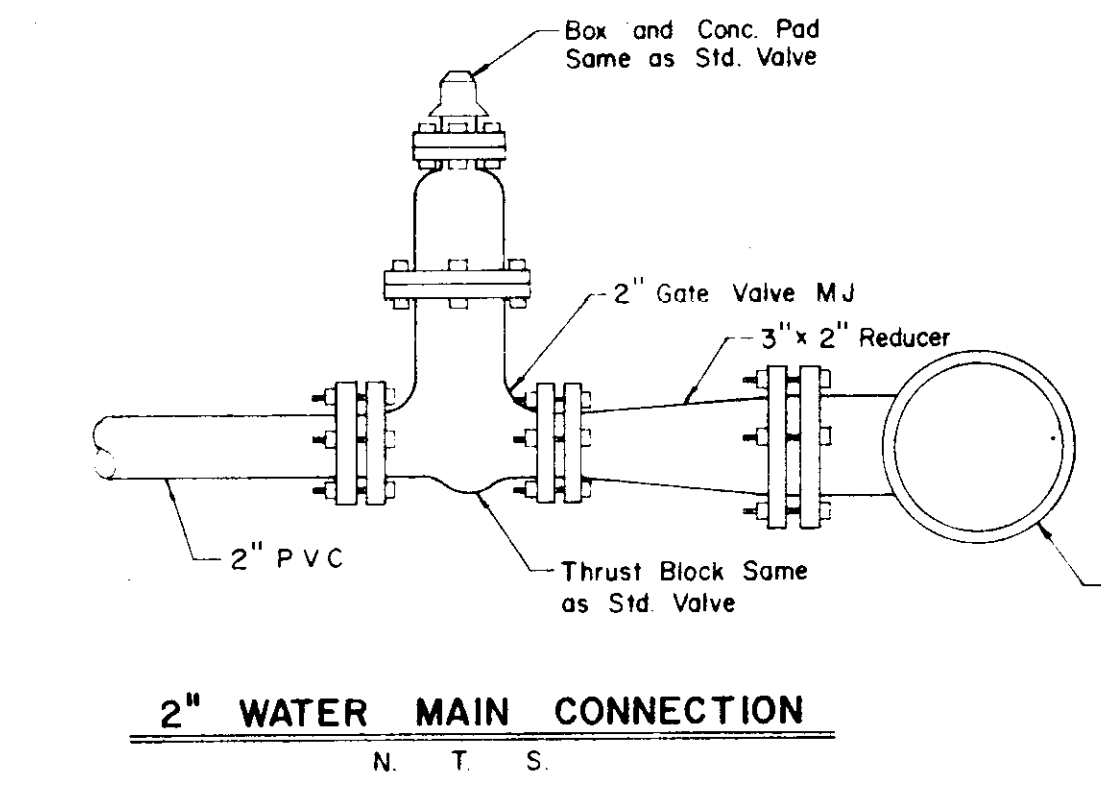
(24) Minimum vertical clearance at sewer and water crossings shall be 18" edge to edge, with all sewer mains beneath water mains.

(25) When conditions prevent a horizontal separation of at least 10 feet between water and sewer mains, the water main must be at least 18" above the top edge of the sewer and shall be laid in a separate trench.

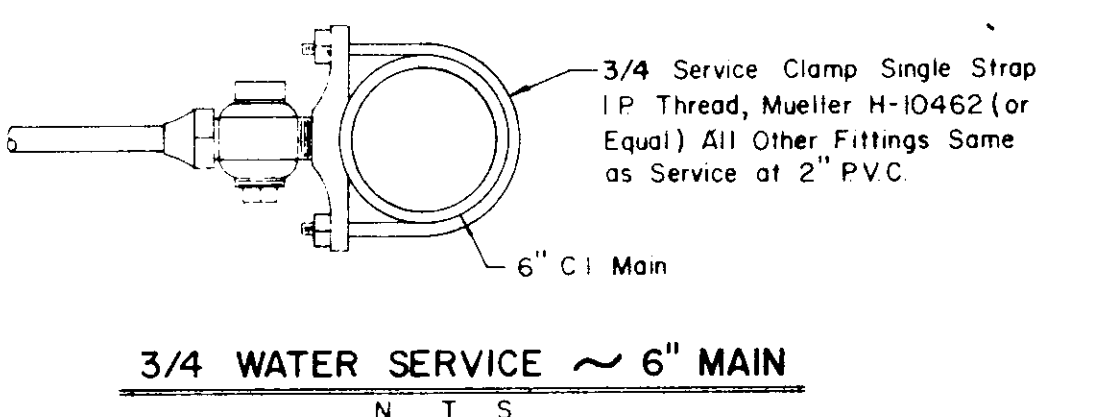
(26) Where this vertical separation cannot be obtained, the sewer shall be constructed of materials and joints that are equivalent to water main standards of construction and shall be pressure tested to assure water tightness prior to backfilling. Approval of installation by the engineer shall be required for each occurrence.

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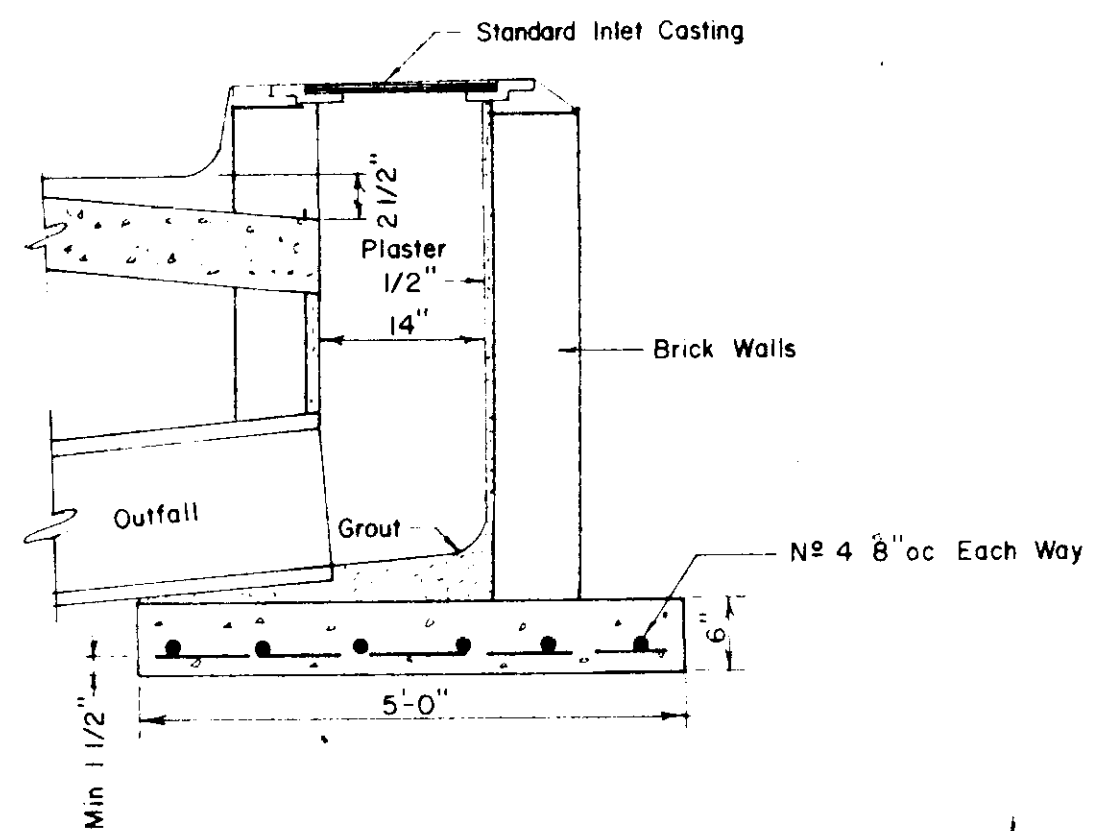
(28) Drainage calculations based on 10 year rain and formula of  $Q = C \cdot I \cdot A$ ;  $C = 0.60$ .



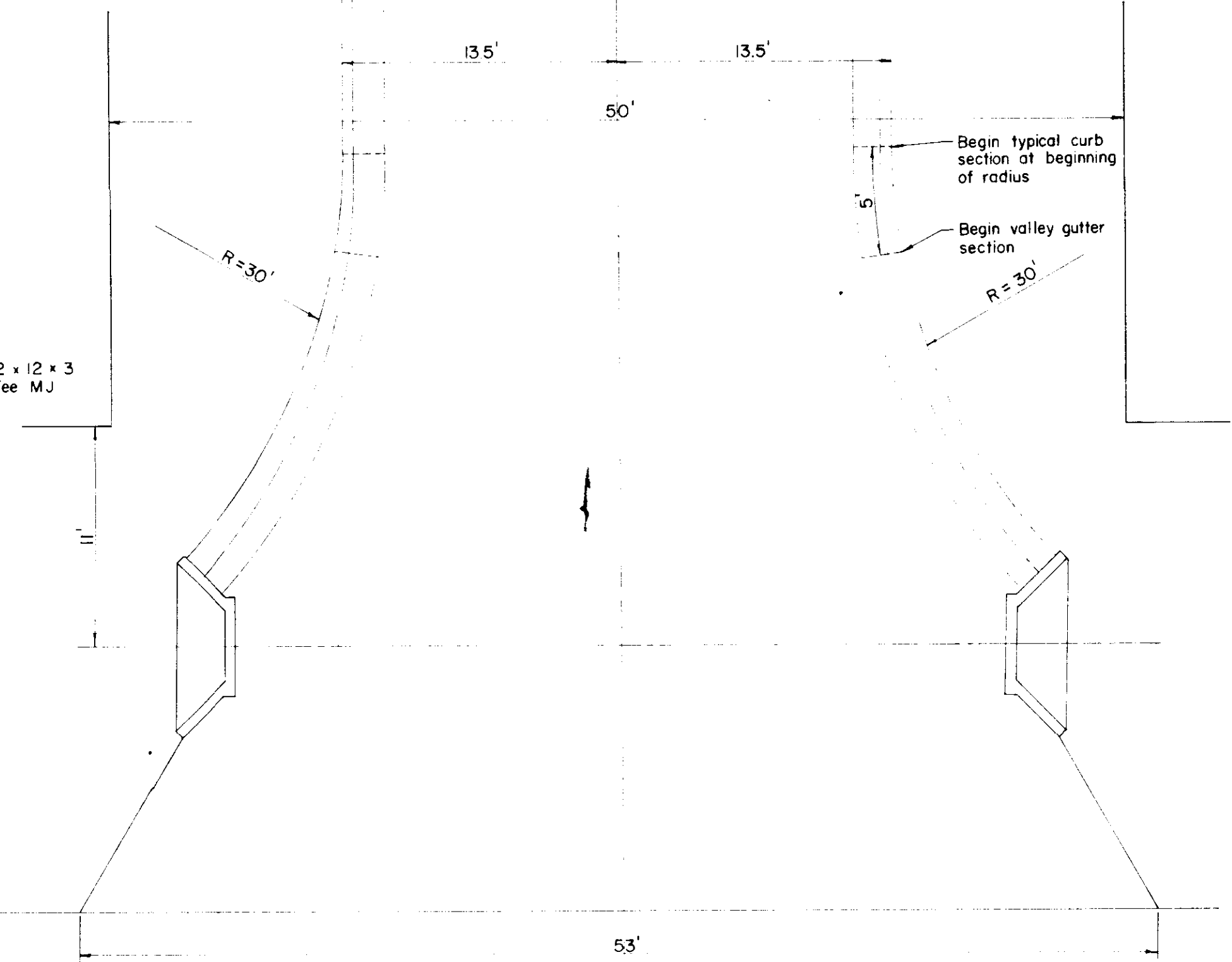
2" WATER MAIN CONNECTION



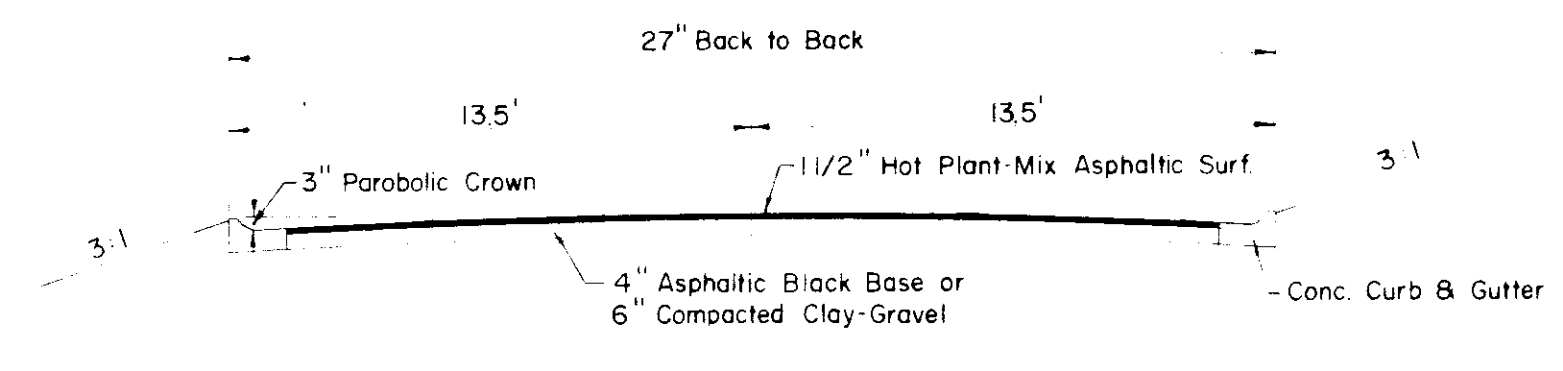
3/4" WATER SERVICE ~ 6" MAIN



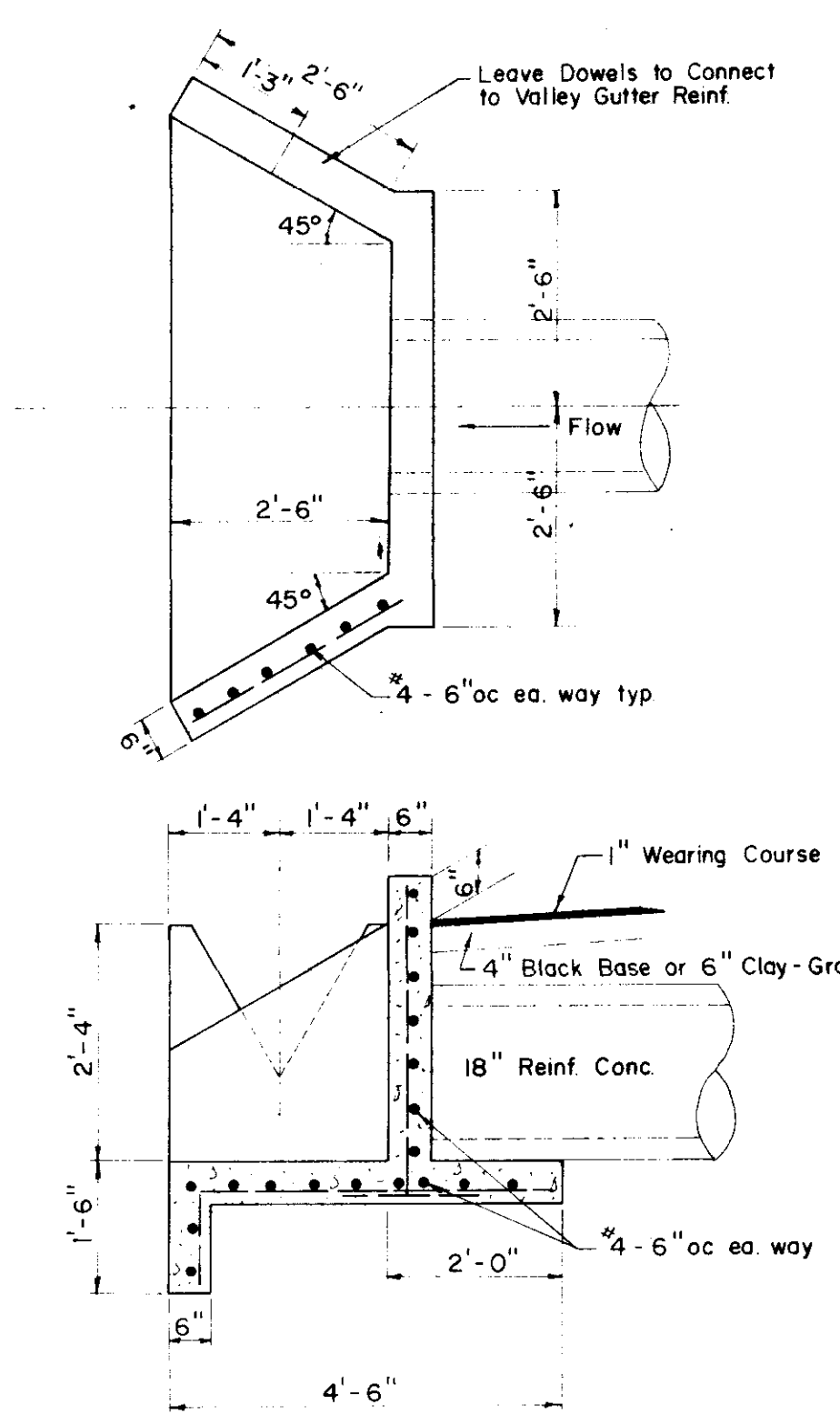
TYPICAL CURB INLET



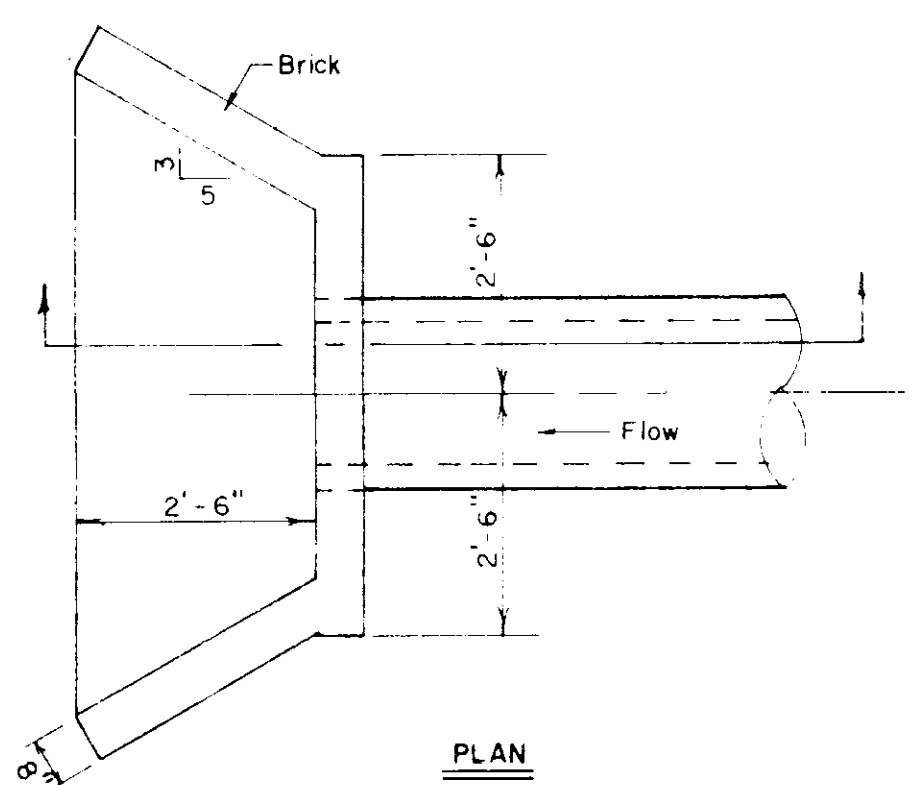
TYPICAL INTERSECTION DETAIL



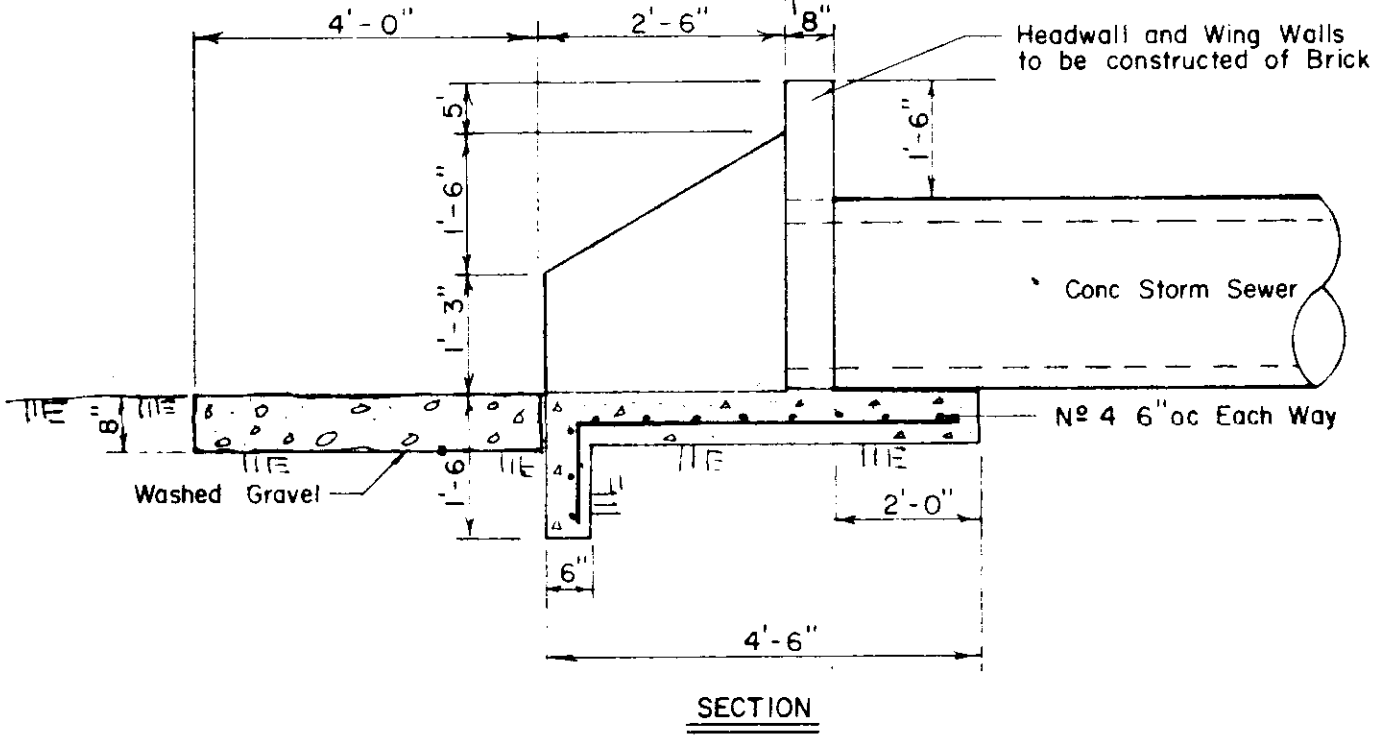
TYPICAL STREET SECTION



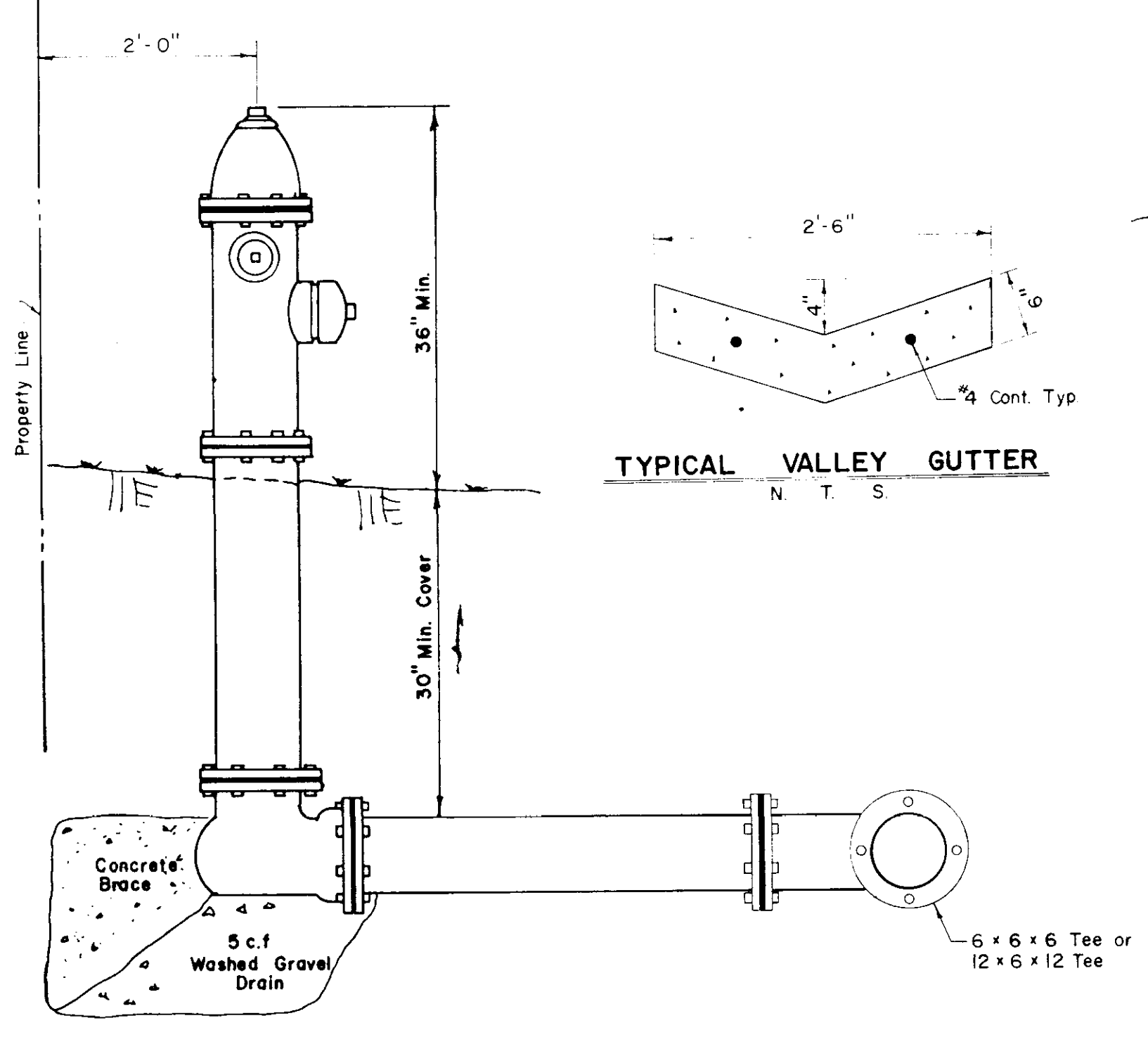
TYPICAL HEADWALL DETAIL



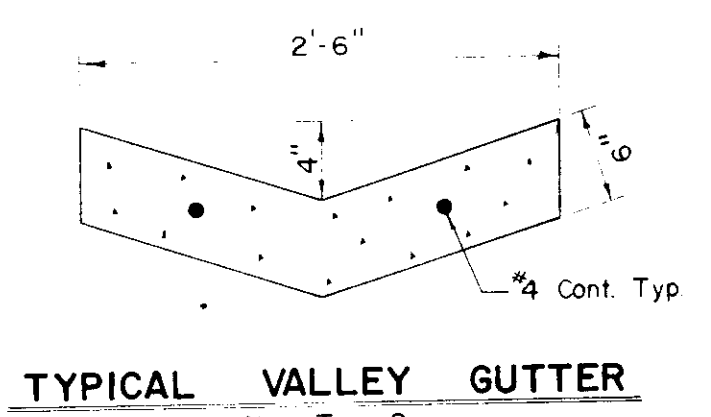
PLAN



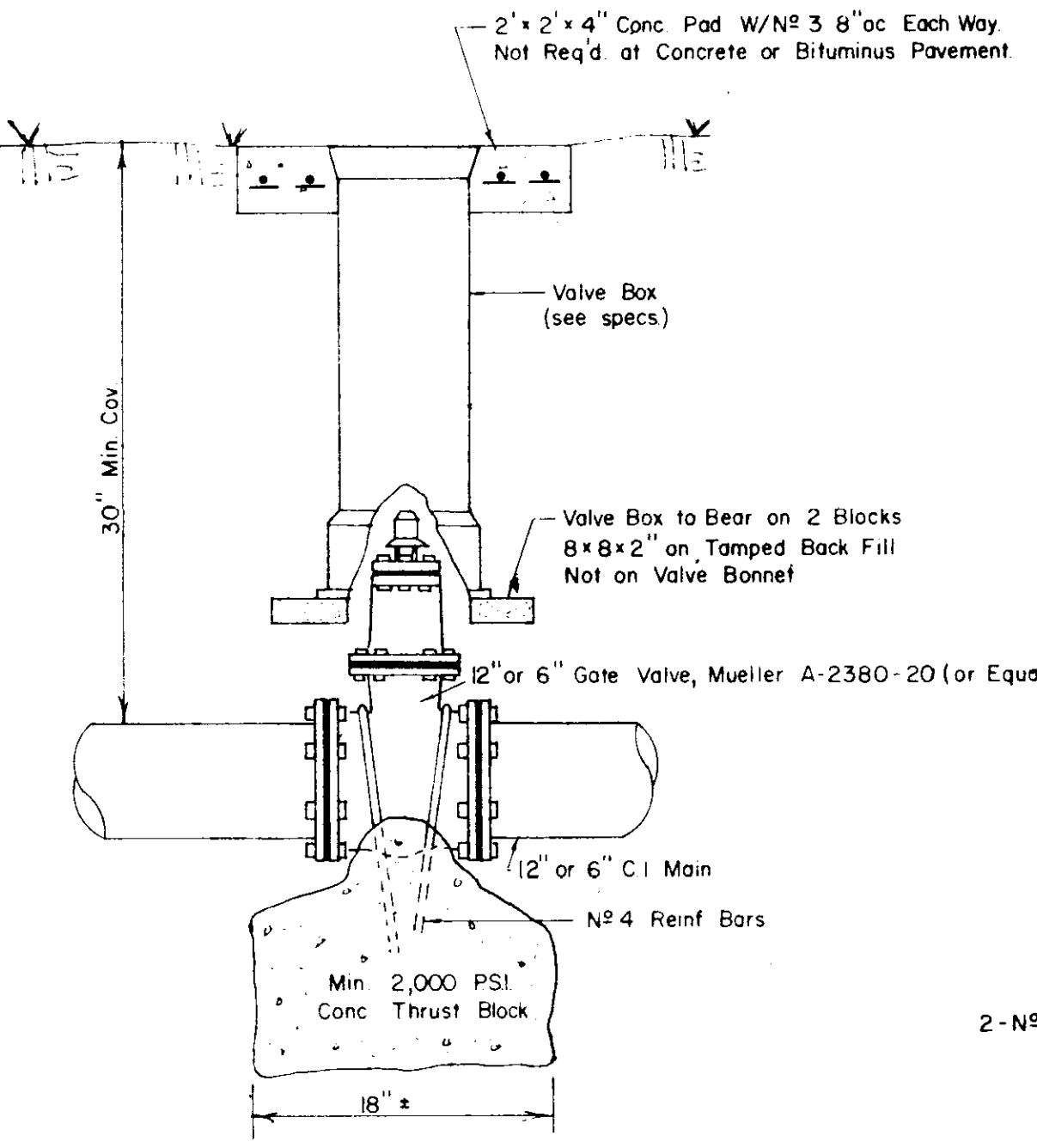
TYPICAL HEADWALL



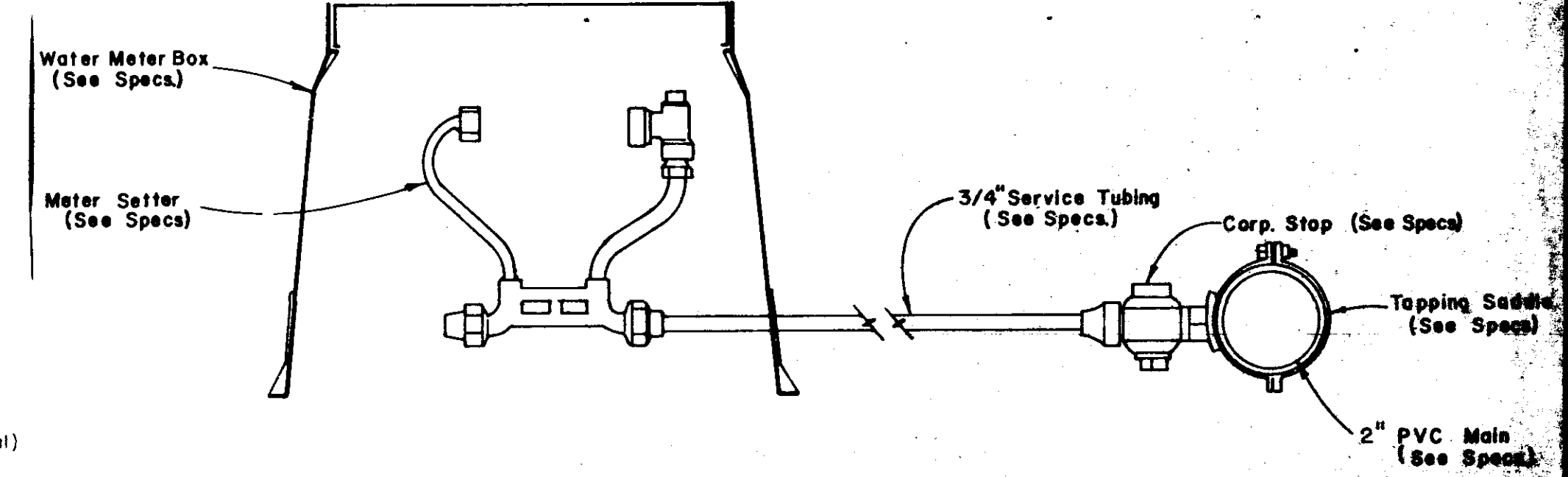
TYPICAL FIRE HYDRANT DETAIL



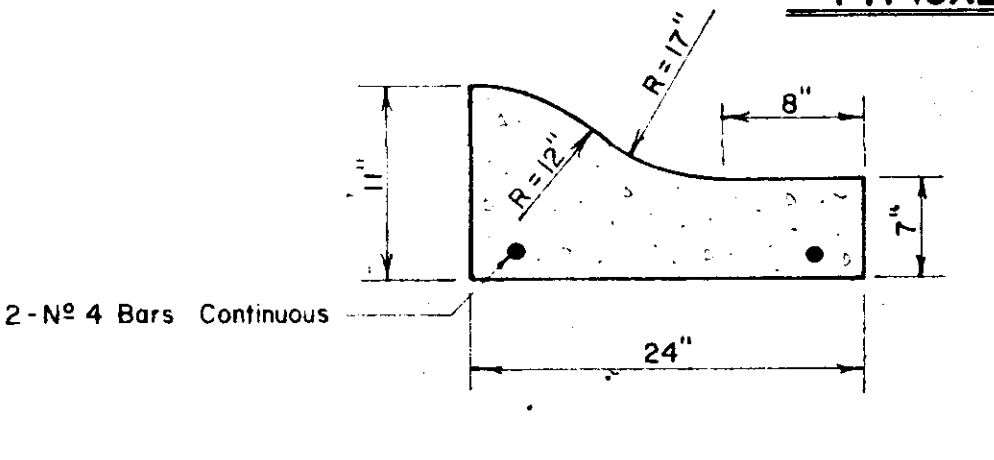
TYPICAL VALLEY GUTTER



GATE VALVE DETAILS



TYPICAL 3/4" WATER SERVICE



TYPICAL CURB SECTION

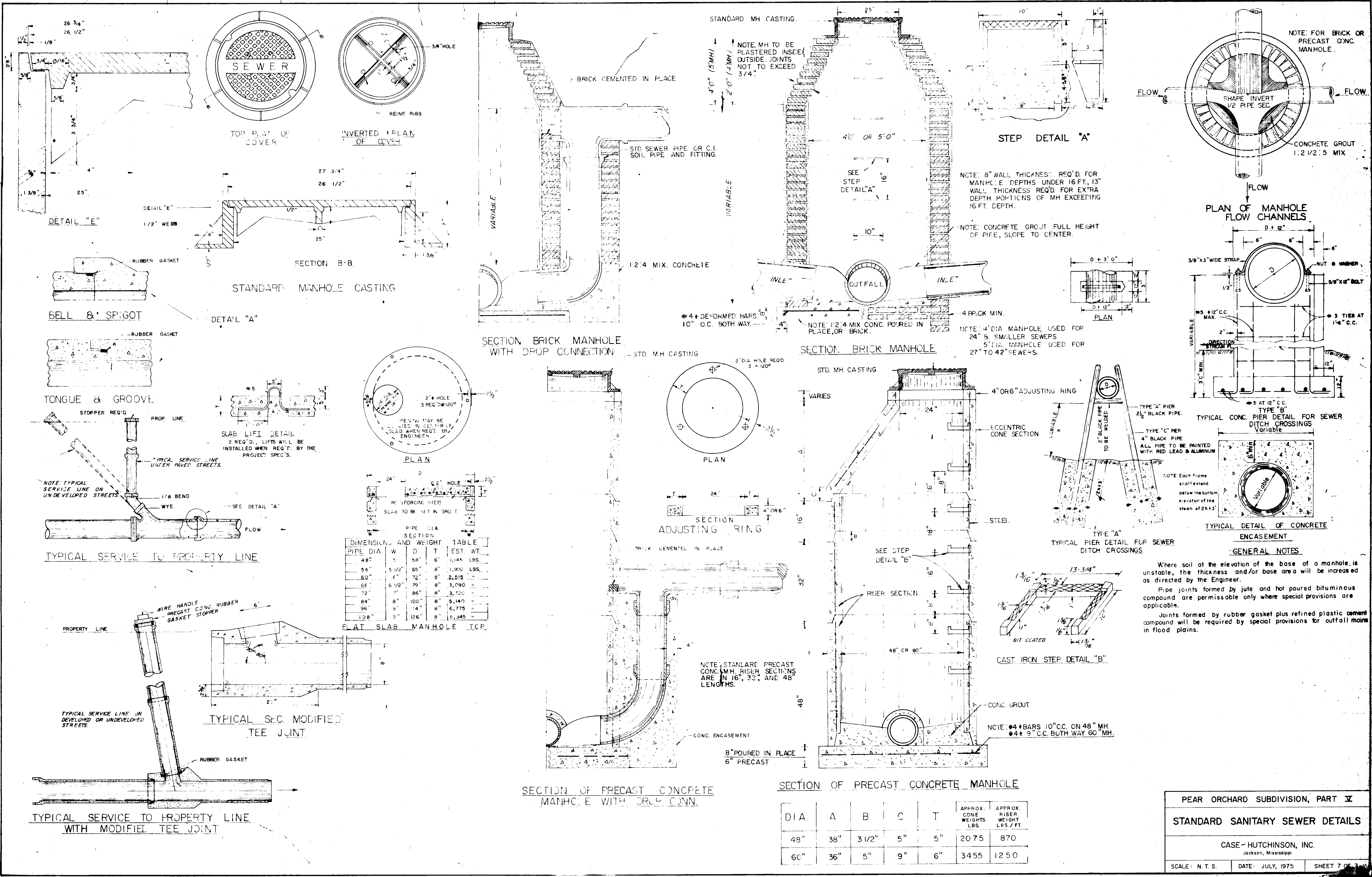
PEAR ORCHARD SUBDIVISION, PART IV

**STANDARD DETAILS and GENERAL NOTES**

- CASE-HUTCHINSON, INC. Jackson, Mississippi

SCALE: N T S | DATE: JULY, 1975 | SHEET 6 OF 7





PIPE DIA. SECTION

PIPE DIA.	W	D	T	EST. WT.
48"	5	58"	6"	1,145 LBS.
54"	5 1/2"	65"	8"	1,920 LBS.
60"	6"	72"	8"	2,515
66"	6 1/2"	79"	8"	3,090
72"	8"	86"	8"	3,720
84"	8"	100"	8"	5,140
96"	9"	114"	8"	6,775
108"	9"	126"	8"	8,545

DIA.	A	B	C	T	APPROX. CONE WEIGHTS LBS.	APPROX. RISER WEIGHT LBS./FT.
48"	38"	3 1/2"	5"	5"	2075	870
60"	36"	5"	9"	6"	3455	1250