





C:\DWG\8433453T Fr1 Jun 4 09:57:46 1999

COMMON GROUND "B"

COMMON GROUND "A"

S00°08'13"E

1287.72'

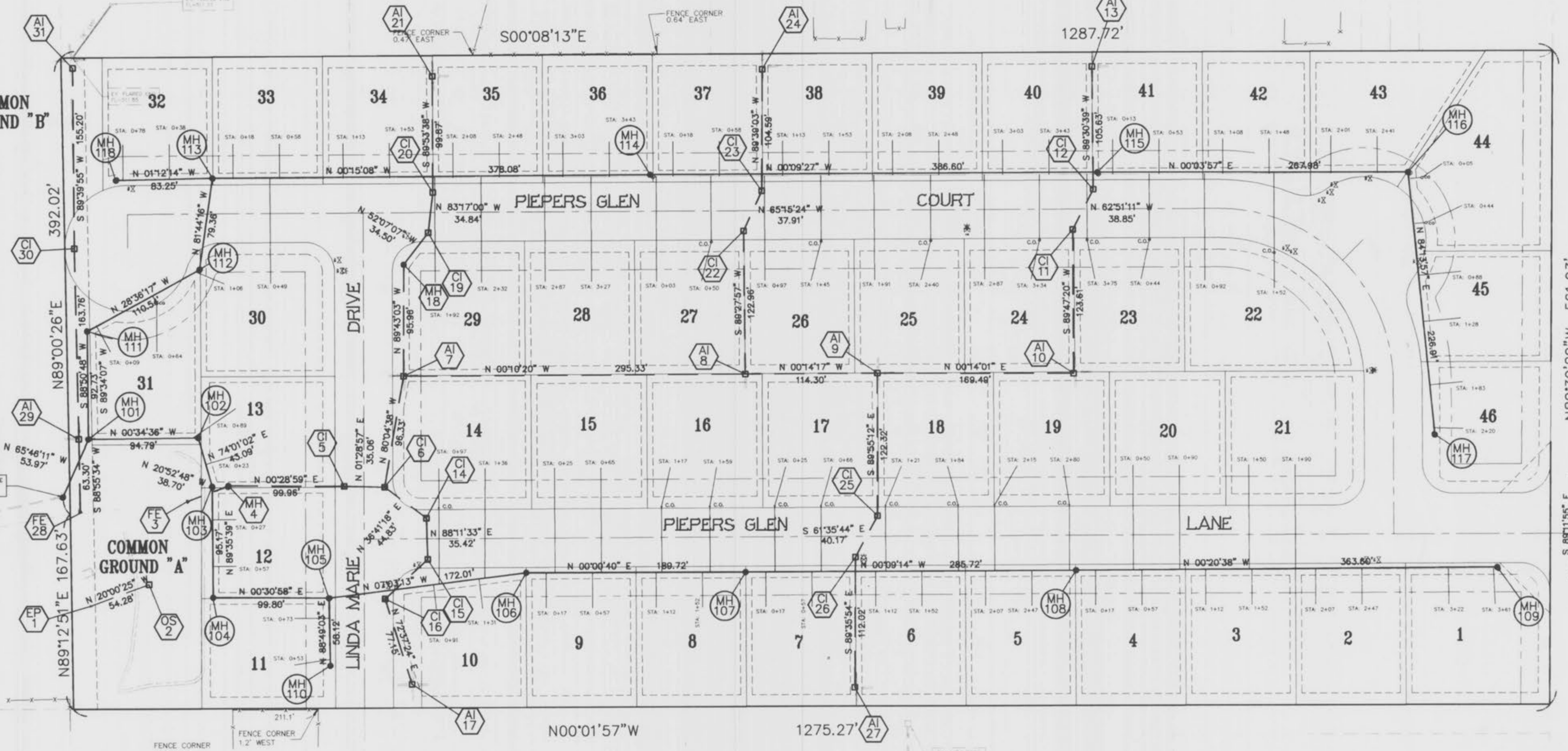
N89°39'29"W 561.93'

S 89°11'55" E 89.45'

N00°01'57"W

1275.27'

(100' WIDE)



PAGANO DEVELOPMENT, INC.  
 103 CLERMONT COURT  
 ST. LOUIS, MO 63124  
 (314) 432-3344

PREPARED FOR:

DISCLAIMER OF RESPONSIBILITY  
 I hereby certify that the documents intended to be authorized by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey.

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REVISIONS



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JUNE, 1999  
 DATE  
 96-8433A  
 PROJECT NUMBER  
 2 OF 4  
 SHEET OF  
 8433A-ASB.DWG  
 FILE NAME  
 LLG DRO  
 DRAWN CHECKED

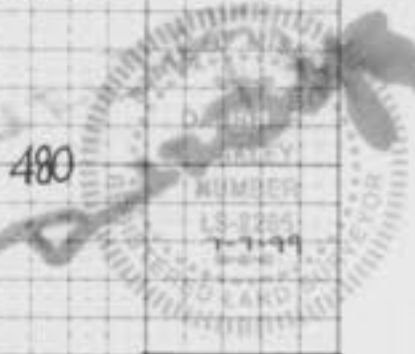
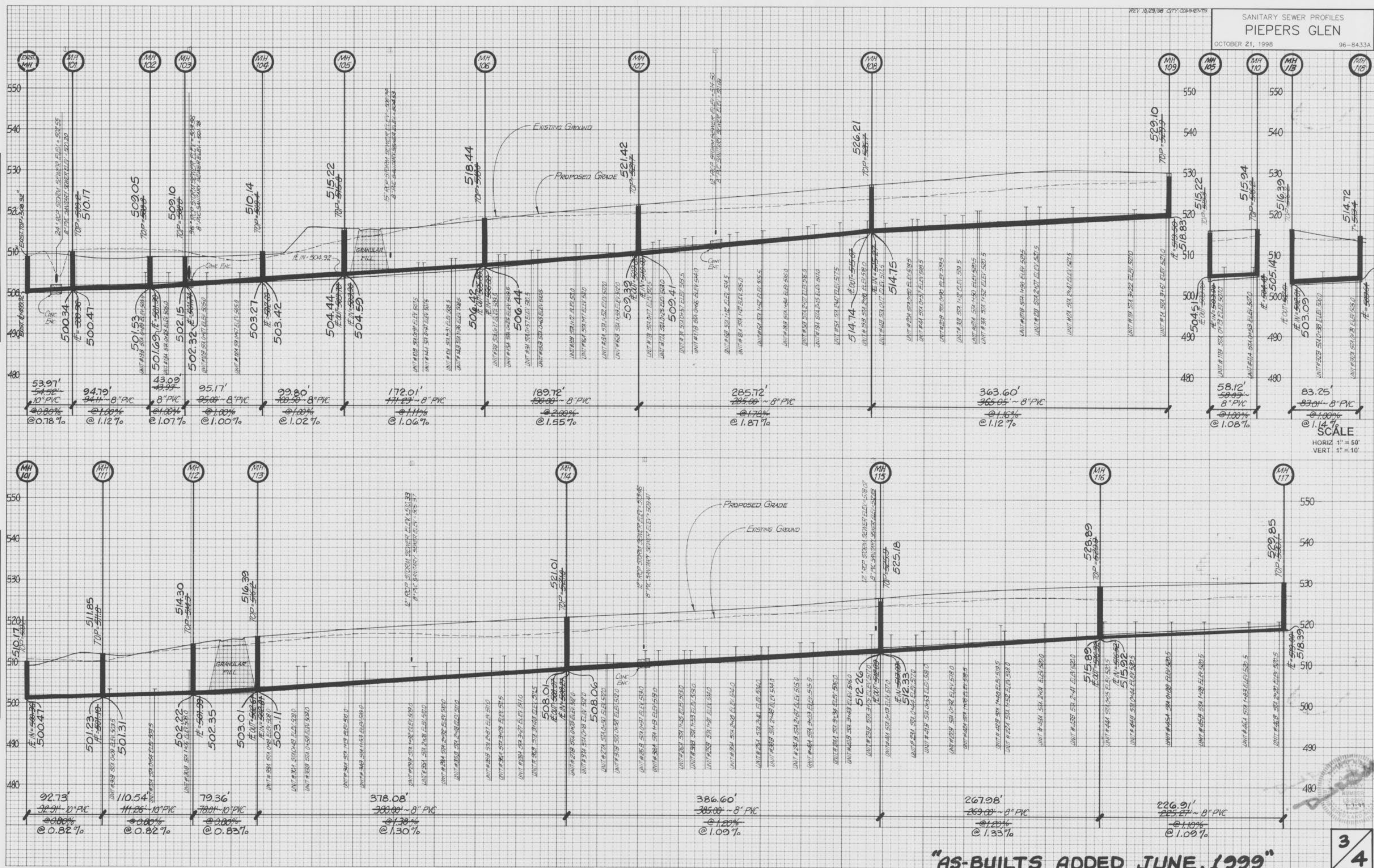
"AS-BUILTS ADDED JUNE, 1999"

Papars Glen as built



FINAL SURVEY  
BY DATE  
REVISIONS  
NOTED  
NOTE BOOK  
NO. DATE CHECKED

ORIGINAL SURVEY  
BY DATE  
REVISIONS  
NOTED  
NOTE BOOK  
NO. DATE CHECKED



"AS-BUILTS ADDED JUNE, 1999"

3/4

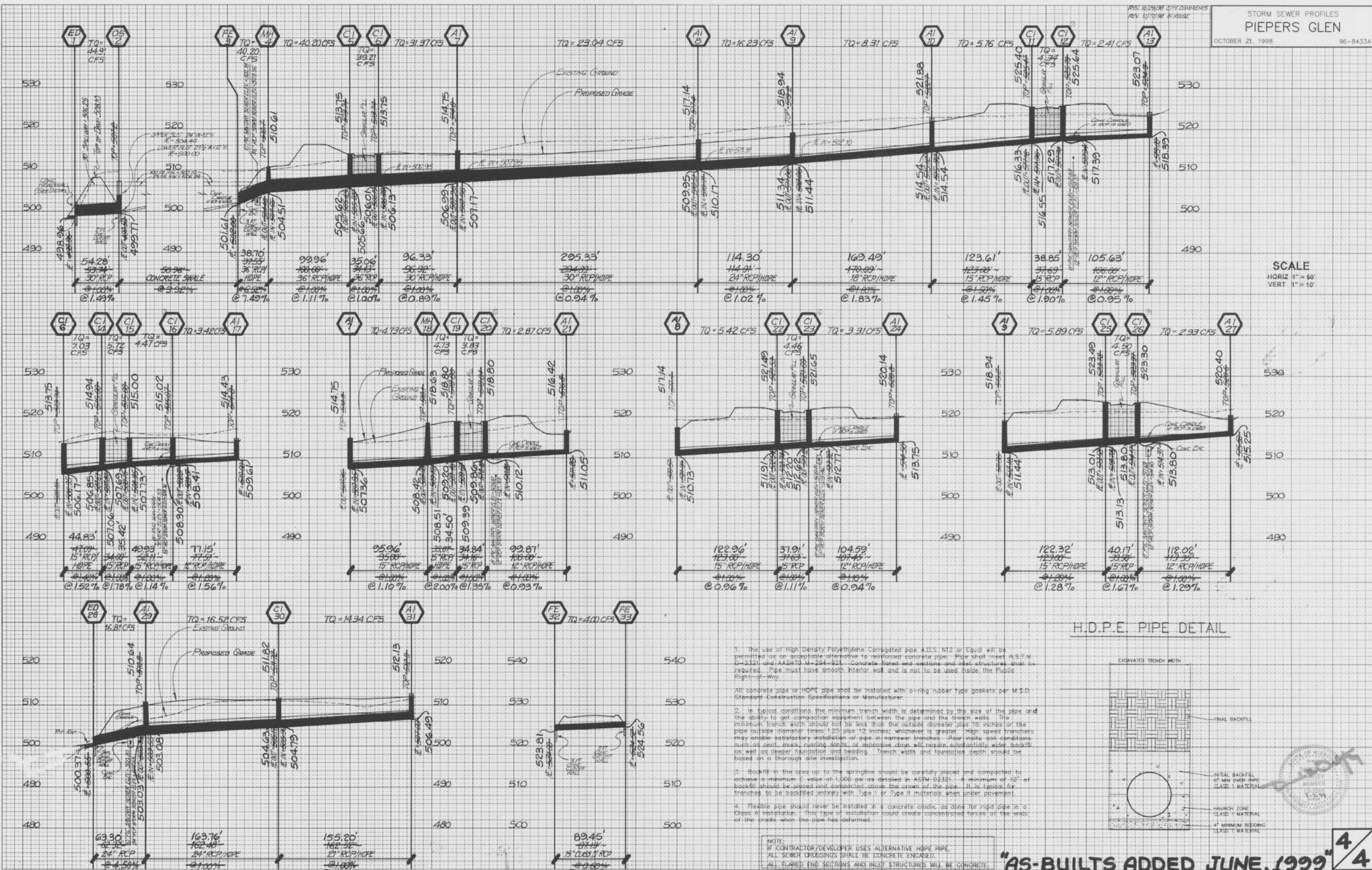
Piepers Glen  
as built



REV. 10/29/98 CITY COMMENTS  
REV. 11/17/98 IN HOUSE

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
FINAL SURVEY SURVEYED, PLOTTED, PRINTED, CHECKED, DATE, BY, AREA CHECKED, NO. NOTE BOOK, AREAS CHECKED

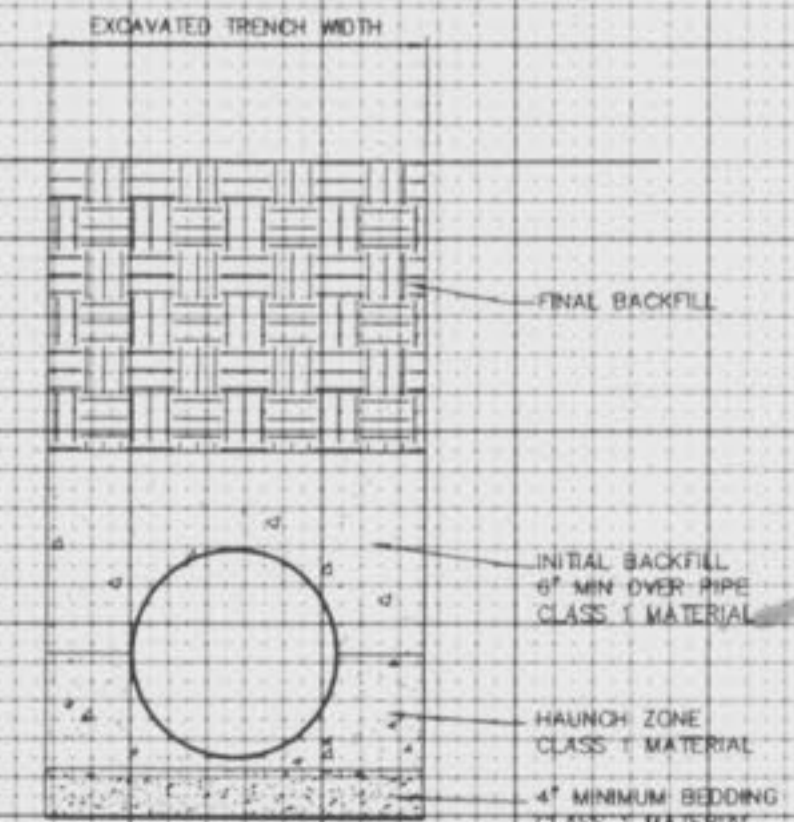
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
ORIGINAL SURVEY SURVEYED, PLOTTED, PRINTED, CHECKED, DATE, BY, AREA CHECKED, NO. NOTE BOOK, AREAS CHECKED



SCALE  
HORIZ 1" = 50'  
VERT 1" = 10'

H.D.P.E. PIPE DETAIL

- The use of High Density Polyethylene Corrugated pipe A.D.S. N12 or Equal will be permitted as an acceptable alternative to reinforced concrete pipe. Pipe shall meet A.S.T.M. D-2321 and A.S.T.M. A-994-921. Concrete bases and manholes and inlet structures shall be required. Pipe must have smooth interior wall and is not to be used inside the Public Right-of-Way.
- In typical conditions the minimum trench width is determined by the size of the pipe and the ability to get compaction equipment between the pipe and the trench walls. The minimum trench width should not be less than the outside diameter plus 15 inches or the pipe outside diameter times 1.25 plus 12 inches, whichever is greater. High speed trenchers may enable satisfactory installation of pipe in aggressive trenches. Poor in situ soil conditions such as peat, muck, running sands or expansive clays will require substantially wider backfill as well as deeper foundation and bedding. Trench width and foundation depth should be based on a thorough site investigation.
- Backfill in the area up to the springline should be carefully placed and compacted to achieve a minimum  $E$  value of 1,000 psi as detailed in ASTM D-2321. A minimum of 12" of backfill should be placed and compacted above the crown of the pipe. It is typical for trenches to be backfilled entirely with Type I or Type II materials when under pavement.
- Flexible pipe should never be installed in a concrete cradle, as done for rigid pipe in a Class A installation. This type of installation could create concentrated forces at the ends of the cradle when the pipe has deformed.



NOTE:  
IF CONTRACTOR/DEVELOPER USES ALTERNATIVE HDPE PIPE,  
ALL SEWER CROSSINGS SHALL BE CONCRETE ENCASED.  
ALL FLARED END SECTIONS AND INLET STRUCTURES WILL BE CONCRETE.

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