

IMPROVEMENT PLANS

VILLAGES AT DARDENNE - BATES VILLAGE

*A TRACT OF LAND BEING PART OF
LOTS 1, 2 AND 3 OF THE JAMES CAMPBELL
ESTATE AS RECORDED IN PLAT BOOK 3, PAGE 51,
WITHIN U.S. SURVEY 3225, TOWNSHIP 46 NORTH, RANGE 3 EAST
ST. CHARLES COUNTY, MISSOURI*

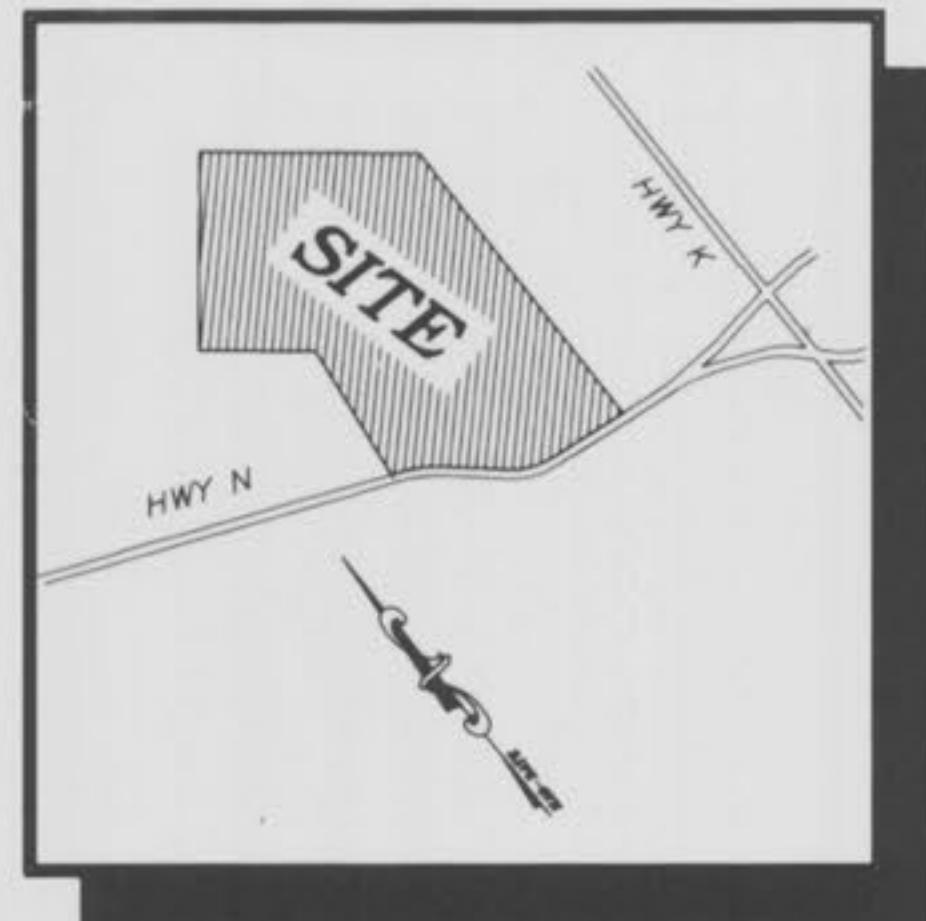
"AS-BUILTS"

195 LOTS

CITY OF O'FALLON GENERAL NOTES

1. Gas, water and other underground utilities shall not conflict with the depth or horizontal locations of existing and proposed sanitary and storm sewers, including house laterals.
2. Underground utilities have been plotted from available information and, therefore, their locations must be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans, shall be the responsibility of the contractor and shall be located prior to grading or construction of improvements.
3. Polyvinyl Chloride (PVC) shall conform to the requirements of ASTM D-3034 Standard Specifications for the PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings, SDR-35.
4. All storm sewer pipe under pavement, regardless of size, shall be reinforced concrete pipe (ASTM C-76, Class II) unless noted otherwise in the plans.
5. Corrugated metal pipe shall conform to the standard specifications for corrugated culvert pipe M-36, A.A.S.H.T.O. See plans for gauge.
6. All filled places under buildings, proposed sanitary and storm sewer lines, and/or paved areas including trench backfills shall be compacted to 90% of maximum density as determined by the "Modified A.A.S.H.T.O. T-180 Compaction Test" (ASTM D-1557) unless otherwise specified by the local governing authority specifications. All tests will be verified by a soils engineer.
7. All earthen filled places within State, County, or City roads (Highways) shall be compacted to 95% of maximum density as determined by the "Standard Proctor Test, A.A.S.H.T.O. T-99" (ASTM D-698) unless otherwise specified by local governing authority specifications. All tests will be verified by a soils engineer.
8. All storm and sanitary trench backfills shall be water jetted. Granular fill will be used under paved areas.
9. Easements shall be provided for storm sewers, sanitary sewers, and all utilities on the record plat. See record plat for location and size of easements. This does not apply to house laterals.
10. No area shall be cleared without the permission of the developer.
11. All grades shall be within 0.2 feet (more or less) of those shown on the grading plan.
12. No slope shall be greater than 3:1 and shall be either sodded or seeded and mulched.
13. Hazard markers will consist of three (3) standard specification, "Manual on Uniform Traffic Control Devices," end of roadway markers mounted on two (2) pound "U" channel sign post. Each marker shall consist of an eighteen (18) inch diamond reflectorized red panel. The bottom of each panel shall be mounted a minimum of four (4) feet above the elevation of the pavement surface.
14. All manholes and curb inlet tops built without elevations furnished by the Engineer will be the responsibility of the sewer contractor. At the time of construction stake-out of the sewer lines, all curb and grate inlets will be face staked. If normal face stakes fall in line with sewer construction, the Engineer will set these stakes on a double offset. It shall be the responsibility of the sewer contractor to preserve all face stakes from destruction.
15. All standard street curb inlets to have front of inlet 2 feet behind curb.
16. The minimum vertical distance from the low point of the basement to the flowline of a sanitary sewer at the corresponding house connection shall not be less than the diameter of the sanitary sewer plus a vertical distance not less than two and one-half feet (2-1/2').
17. Water lines, valves, sleeves, meters and etc., shall meet all specifications and installation requirements of the local governing authority.
18. All cast iron pipe for water mains shall conform to A.W.W.A. specification C-106 and/or C-108. The cast iron fittings shall conform to A.W.W.A. specification C-110. All rubber gasket joints for water cast iron pressure pipe and fittings shall conform to A.W.W.A. specification C-111.

LOCATION MAP



GENERAL NOTES - CONTINUED

31. As needed, siteline fence shall be installed as a protective barrier for trees to remain.
32. This tract is or served by:
 - A. Water - Missouri American Water Company
 - B. Electric - Union Electric
 - C. Telephone - G.T.E. Missouri
 - D. Sewers - Duckett Creek Sanitary District
 - E. Gas - St. Charles Gas
 - F. Fire Protection - O'Fallon Fire Protection District
 - G. School District - Fort Zumwalt
 - H. Mail Service - O'Fallon
33. Lot Data: A. Total Number of Lots - 195
B. Minimum Lot Size - 9,000 Sq. Ft.
C. Minimum Lot Width at Building Line - 75 Ft.
34. Yard and Setback Requirements:
 - A. Front - 25 Feet
 - B. Side - 6 Feet
 - C. Rear - 25 Feet
35. The contractor will be responsible to insure that all areas within the project limits that have been disturbed by the grading process shall be seeded and mulched within ninety (90) days of completion.
36. The contractor will be responsible for the removal and disposal of all existing improvements, except those designated to be left in place, from within the limits of the construction area.
37. All existing site improvements disturbed, damaged or destroyed shall be repaired or replaced to closely match preconstruction conditions.
38. The contractor shall prevent all storm, surface water, mud and construction debris from entering the existing sanitary sewer system.
39. All sanitary sewer flowlines and tops built elevations furnished by the engineer will be the responsibility of the sewer contractor.
40. All construction and materials shall conform to the current construction standards of the Duckett Creek Sanitary District.

This is to certify to Duckett Creek Sanitary Dist. that these "As-Built" San/Storm plans are based on actual field surveys conducted during JAN 1997 and the results are shown here on.

by Pickett, Ray & Silver

Delmar F. Vincent
MO R.L.S. No 1869

Date _____

ENGINEERS AUTHENTICATION	DEVELOPER
 PICKETT, RAY & SILVER, INC. <i>(Signature)</i>	
WHITTAKER CONSTRUCTION CO., INC. 355A MID RIVERS MALL DRIVE ST. PETERS, MO. 63376 (314)970-1511	

DRAWING INDEX

Sheet	Description
1	COVER SHEET
2-5	SITE PLAN
6-10	GRADING PLAN
11-17	STREET PROFILES
O-9	SANITARY SEWER PROFILES
10-13	STORM SEWER PROFILES
22-25	DRAINAGE AREA MAPS
26-31	CONSTRUCTION DETAILS

LEGEND

● Sanitary Sewer (Proposed)	Sanitary Structure	R.C.P. Reinforced Concrete Pipe
○ Sanitary Sewer (Existing)	Storm Structure	C.M.P. Corrugated Metal Pipe
- - - Storm Sewer (Proposed)	Test Hole	C.I.P. Cast Iron Pipe
== = Storm Sewer (Existing)	Power Pole	P.V.C. Polyvinyl Chloride
- * - Water Line & Size	Light Standard	V.C.P. Vitreous Clay Pipe
- EX - Existing water line		
■ Double Water Meter Setting		
■ Single Water Meter Setting	C.O. Clean Out	
Hydrant	V.T. Vent Trap	
Cap	S.C.I. Skewed Curb Inlet	
18 Lot or Building Number	T.B.R. To Be Removed	
- X - Existing Fence Line	D.C.I. Double Curb Inlet	
G.L. Grate Inlet	T.B.R.&R. To Be Removed & Relocated	
Existing Tree Line	A.I. Area Inlet	
Street Sign	D.A.I. Double Area Inlet	
Existing Contour	C.C. Concrete Collar	
Proposed Contour	F.E. Flared End Section	
Grouted Rip-Rap	E.P. End Pipe	
End of Lateral	E.D. Energy Dissipator	
Asphalt Pavement	M.H. Manhole	
Concrete Pavement	C.P. Concrete Pipe	
	U.I.P. Use in Place	

REVISIONS

REV. 08-01-96 S.A.F. 9
REV. 10-29-96 RAW WALKS

Revised as per Duckett Creek Sewer District 3-12-96
Rev. 04-06-96 M.J.G.
Rev. 04-30-96 per O'Fallon Comments
Rev. 05-29-96 per O'Fallon Comments
(Sheets 2 thru 8, 14, 17, 18, 20, 23, 24.)

REV. 6-11-96 T.M. - City of O'Fallon (Sheets 8, 12, 19, 20
REV. 08-22-96 G.S.
REV. 10-28-96 SHEET 16&17 - 21 of 31)

2-11-97 "AS-BUILTS"

REV. 5-14-97 AS-BUILT MH 105A
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DRAWN _____ R.D.M. _____ DATE 2-21-1996
CHECKED _____ DATE _____
FIELD BOOK FB PROJECT # 95-080
JOB ORDER # 34202

PICKETT RAY & SILVER

Civil Engineers
Planners
Land Surveyors

333 Mid Rivers Mall Dr.
St. Peters, MO 63376
397-1211 FAX 397-1104

2198 1/4' (S)

N/F
BRASSEL
203/473

2
13
101

LAKE

NOTE: Shaded "Balloons"
Indicate "As-Built" Structures

PROPOSED LAKE "B"
WITH DETENTION
ELEV. = 58.00
HIGH WATER EL. STAB.

O.S.
608

F.E.
60

F.E.
60A

F.E.
64

SEE SHEET 3

8-00-00
4-25-00
-0-00-83

CITY
COMMENTS D.G.
Rev. 08/22/96
2-11-97
AS-BUILTS

2198 1/4' (S)

A.L.
98

N/F
BRASSEL
203/473

A.L.
99

2
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101

17
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16
243

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14
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3+18

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VILLAGES AT DARDENNE
FLAT VILLAGE

Rev. 03/12/96 Per Entrance Change
Feb. 1996

Rev. 04/04/96
MISC. D.G.

Rev. 04/30/96
CITY COMMENTS D.G.
Rev. 05-29-96
City Comments D.G.
Rev. 05-22-96
2-11-97
AS-BUILTS

N/F
BRASSEL
203/473

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VILLAGES AT DARDENNE'S
BATES VILLAGE

FLAT PLAN

Rev. 03/11/96 Per Entrance Change
Feb. 1996

Rev. 04/04/96
D.G.
Rev. 04/30/96
CITY COMMENTS D.G.
Rev. 05-29-96
City Comments D.G.
Rev. 08-22-96 G.S.
2-11-97 A.S.-BUILTS

UNIVERSITY NOTE:
UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN
PLOTTED FROM AVAILABLE SURVEYS AND RECORDED INFORMATION AND,
THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY.
VERIFICATION OF LOCATION OF ALL UNDERGROUND STRUCTURES AND
FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE
THE RESPONSIBILITY OF THE CONTRACTOR.

COMMON GROUND

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

MH
T=506.27
FL=494.29

NOTE: Shaded "Balloons"
Indicate "As-Built" Structures

NOTE: Shaded "Balloons"
Indicate "As-Built" Structures

4

"AS-BUILTS"

SEE SHEET 5

SEE SHEET 8

100

UTILITY NOTE:
UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN
PLOTTED FROM AVAILABLE SURVEYS AND RECORDED INFORMATION AND,
THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY.
VERIFICATION OF THE LOCATION OF THESE UNDERGROUND STRUCTURES AND
FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE
THE RESPONSIBILITY OF THE CONTRACTOR.

N/F
DICKHERBER REVOCABLE
LIVING TRUST AGREEMENT
1362/967

FENCE ON PROPERTY LINE

N32°22'23"E

1228.70'(S)(R-3)

1372.80'(S-2)

1,880
DRAINAGE

811

115

116

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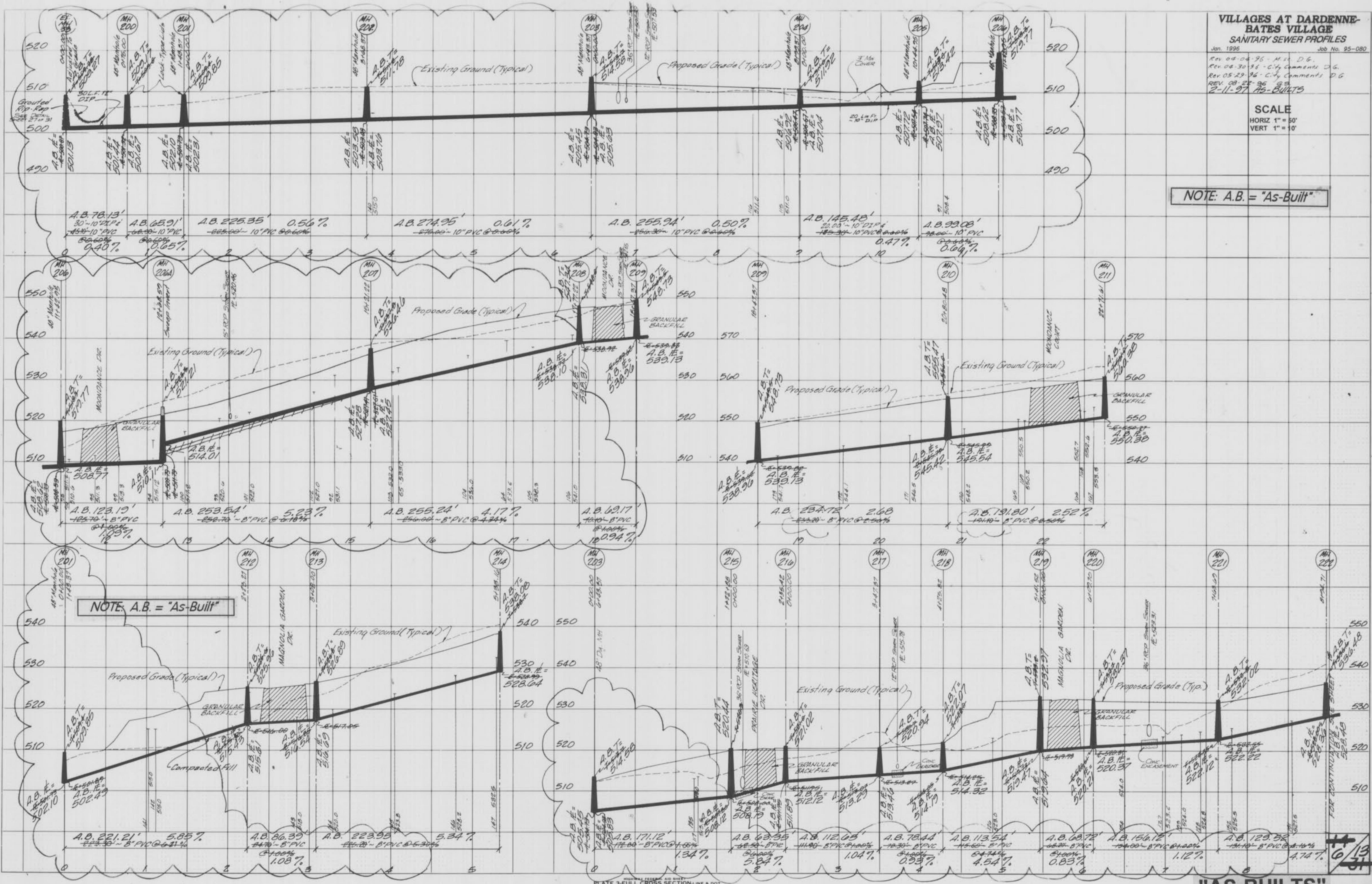
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302

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304



**VILLAGES AT DARDEENNE-BATES VILLAGE
SANITARY SEWER PROFILES**

Job No. 95-080

✓ 04-04-96 - M. sc D.G.
✓ 04-30-96 - City Comments D.G.
✓ 05-29-96 - City Comments D.G
✓ 08-22-96 G.S.
-11-97 AS-BULTS

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

NOTE: A.B. = "As-Built"

SURVEY	PLOTTED
NOTE BOOK	TEMPLATE
NO.	AREAS CHECKED

ORIGINAL SURVEY	SURVEYED PLOTTED	BY	DATE
NOTE BOOK NO	TEMPLATE AREAS	AREAS CHECKED	

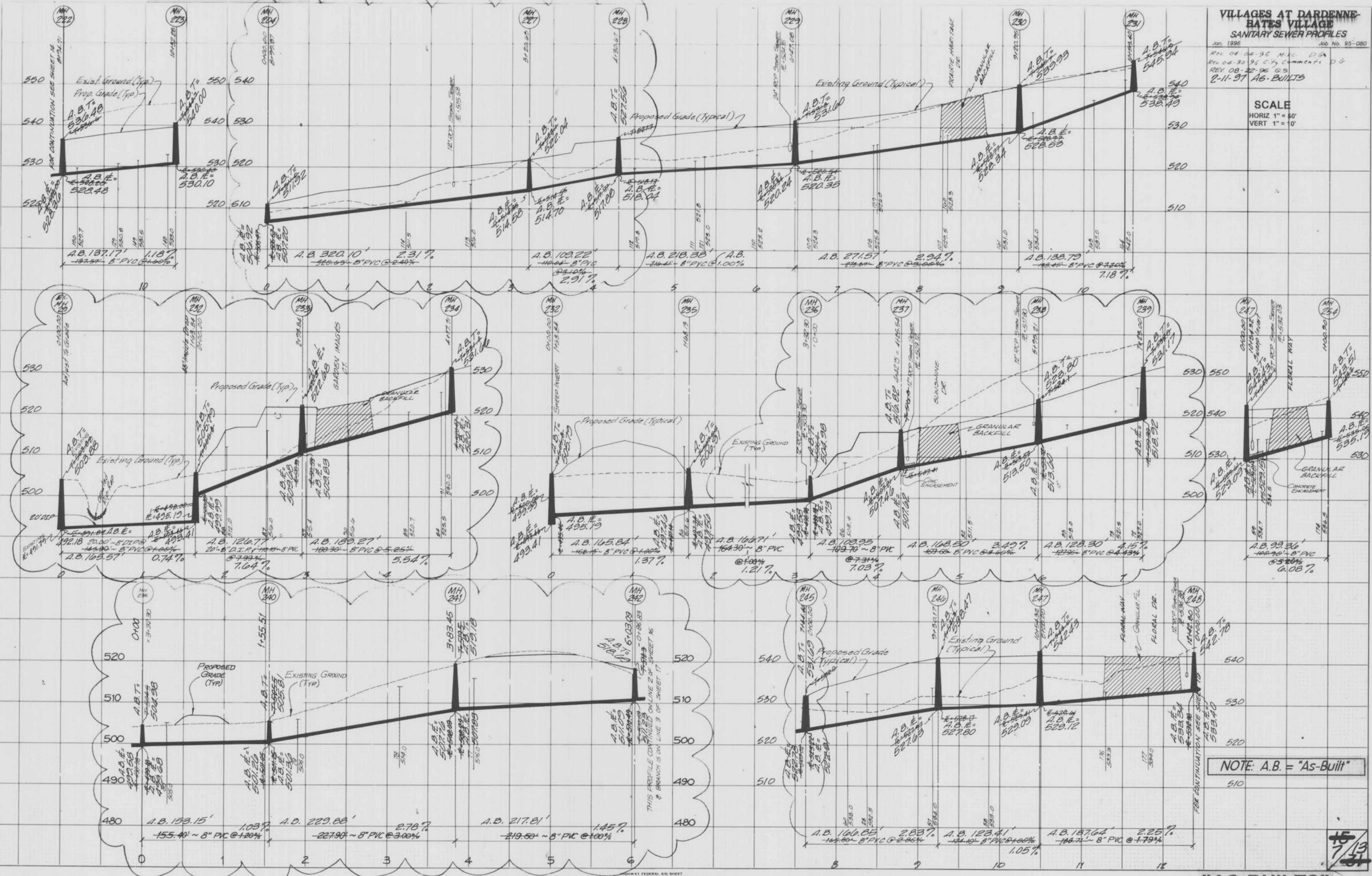
04-30-96

NOTE: A.B. = "As-Built"

ORIGINAL SURVEY	SURVEYED
PLOTTED	PLOTTED
NOTE BOOK	NOTE BOOK
AREA NO.	AREA CHECKED

ORIGINAL SURVEY	SURVEYED
PLOTTED	PLOTTED
NOTE BOOK	NOTE BOOK
AREA NO.	AREA CHECKED

04-30-96
95-0800.n



"AS-BUILTS"

Vill. @ Dardene-Bates Village As-Builts

7/13
7/31

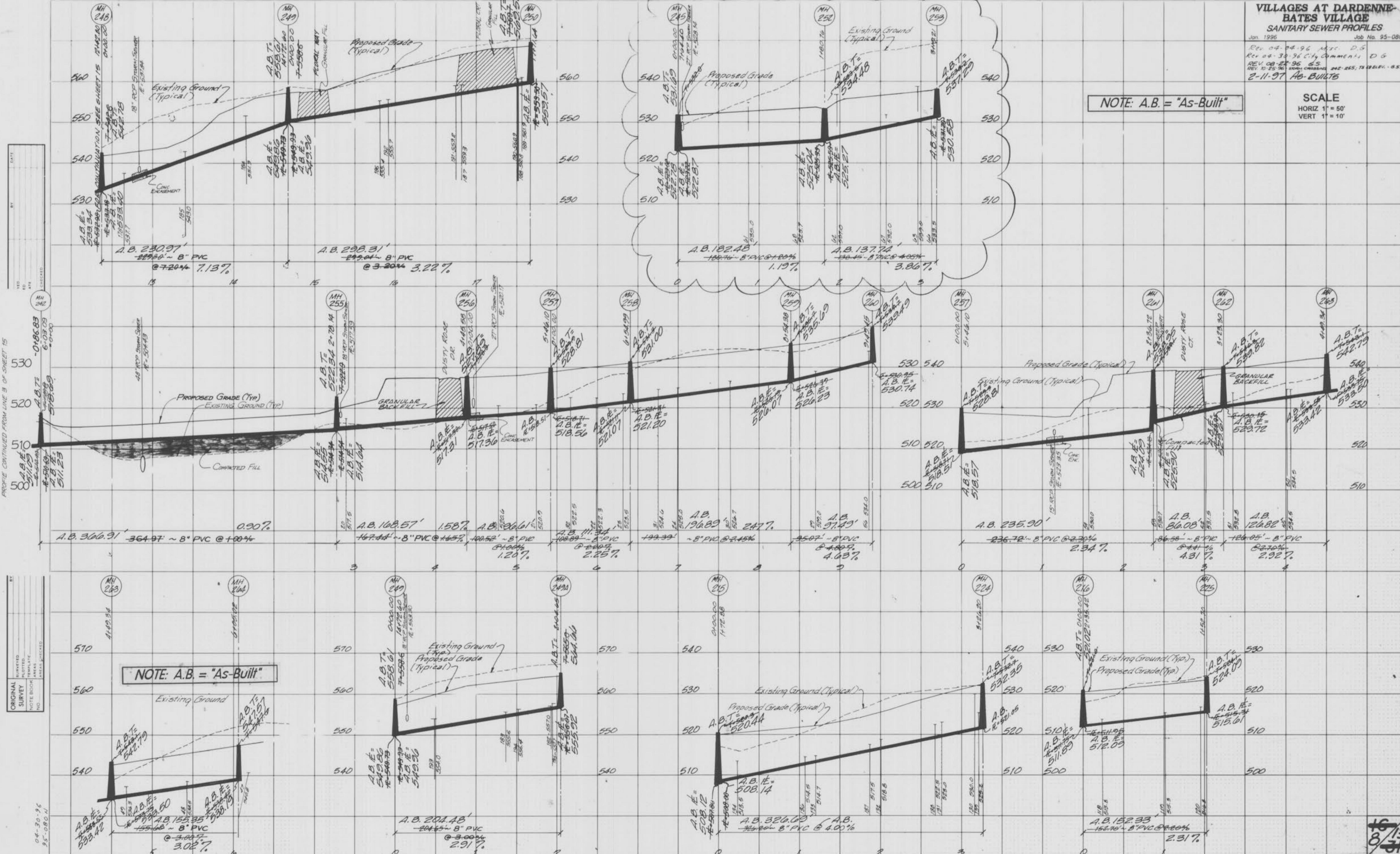
VILLAGES AT DARDENNE-
BATES VILLAGE
SANITARY SEWER PROFILES

Jan. 1996 Job No. 95-080

REV. 04-34-96 MTC D.G.
Rev. 08-30-96 C.H. Comments D.G.
REV. 08-22-96 S.S.
REV. 10-25-96 S.S.
2-11-97 AS-BUILTS

SCALE

HORIZ 1' = 50'
VERT 1' = 10'



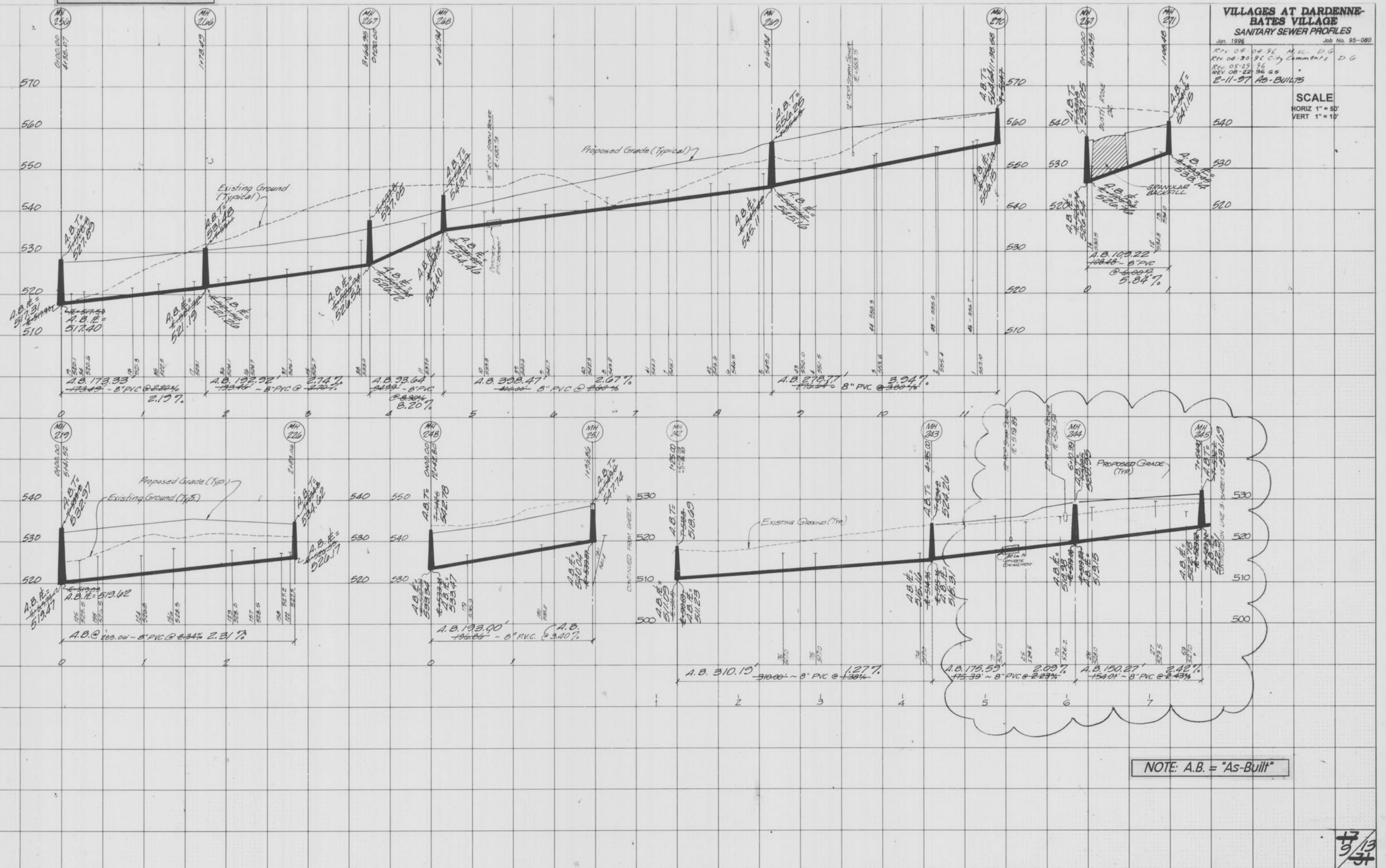
"AS-BUILTS"

NOTE: A.B. = "As-Built"

FINAL SURVEY	DATE
PLotted	
Template	
NOTE BOOK	
ARMED CHECKED	
NO.	

ORIGINAL SURVEY	DATE
Plotted	
Template	
NOTE BOOK	
ARMED CHECKED	
NO.	

04-20-96
95-080

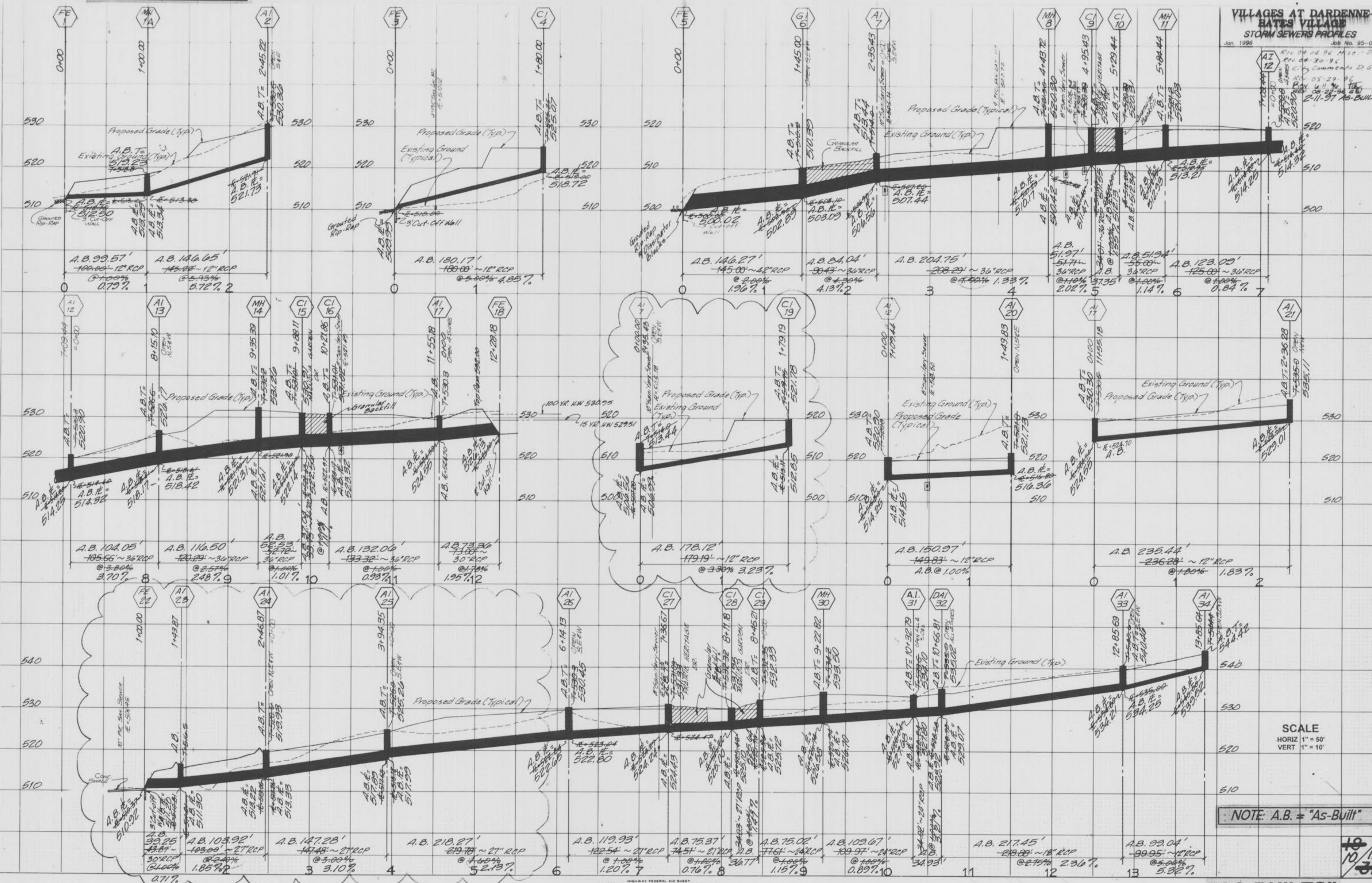


NOTE: A.B. = "As-Built"

BY	DATE
SUPERVISED	
PLotted	
NOTE BOOK	
LANDS. CHECKED	

ORIGINAL SURVEY	
SUPERVISED	
PLotted	
NOTE BOOK	
LANDS. CHECKED	

06-30-96
95-080-N



VILLAGES AT DARDENNE-
BATES VILLAGE
STORM SEWERS PROFILES

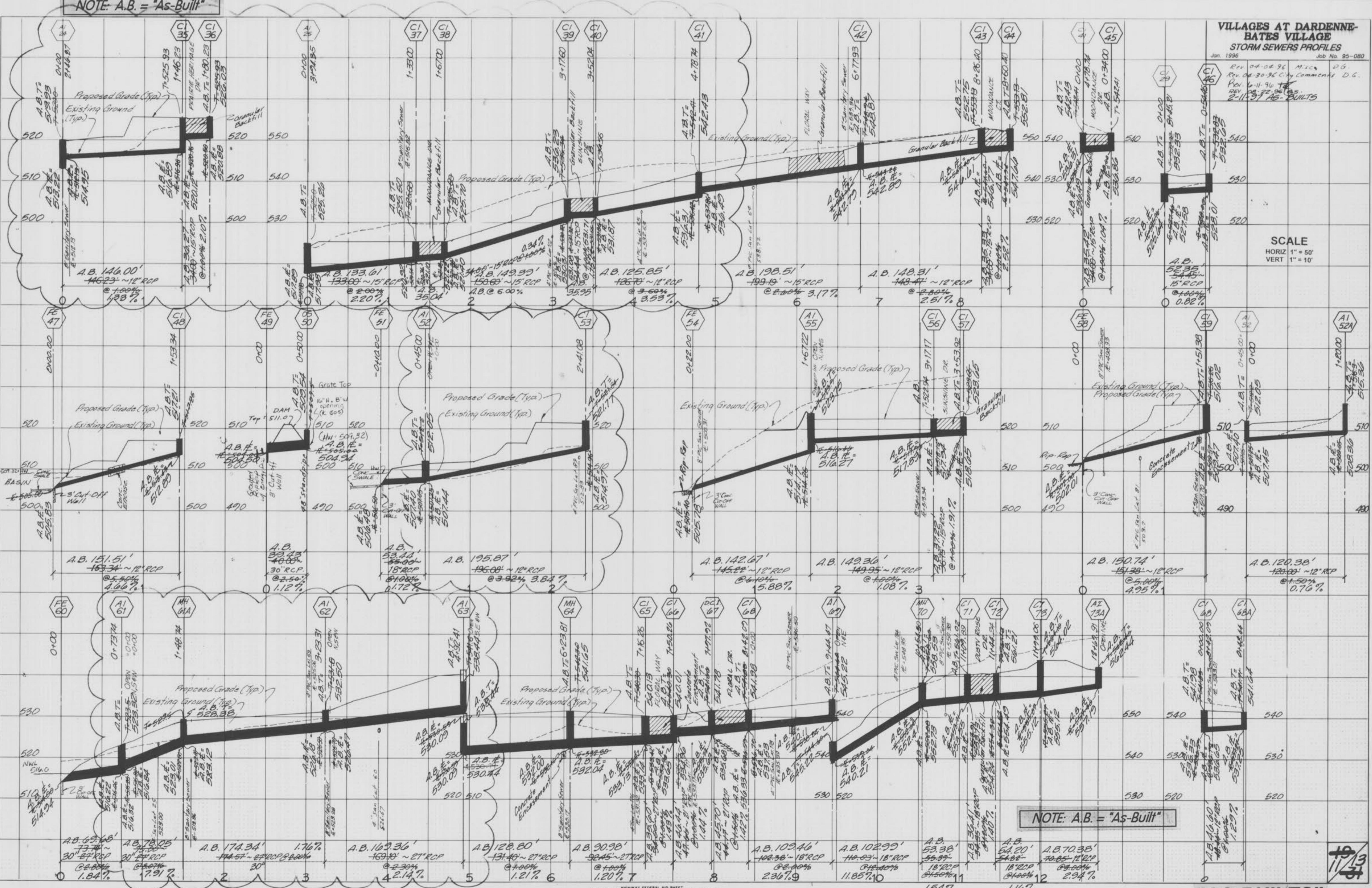
Jan. 1996

Job No. 95-080

Rev. 04-06-96 Misc. - D.G.
Rev. 04-30-96
City Comments D.G.
Rev. 05-29-96
REV. 06-11-96 T.D.
REV. 08-26-96 T.D.
2-11-97 AS-BUILTS

10
10/13
34

~~NOTE: A.B. = "As-Built"~~



NOTE: A.B. = "As-Built"

"AS-BUILTS"

VILLAGES AT DARDENNE-BATES VILLAGE
STORM SEWERS PROFILES

Jan. 1986 Job No. 25-080

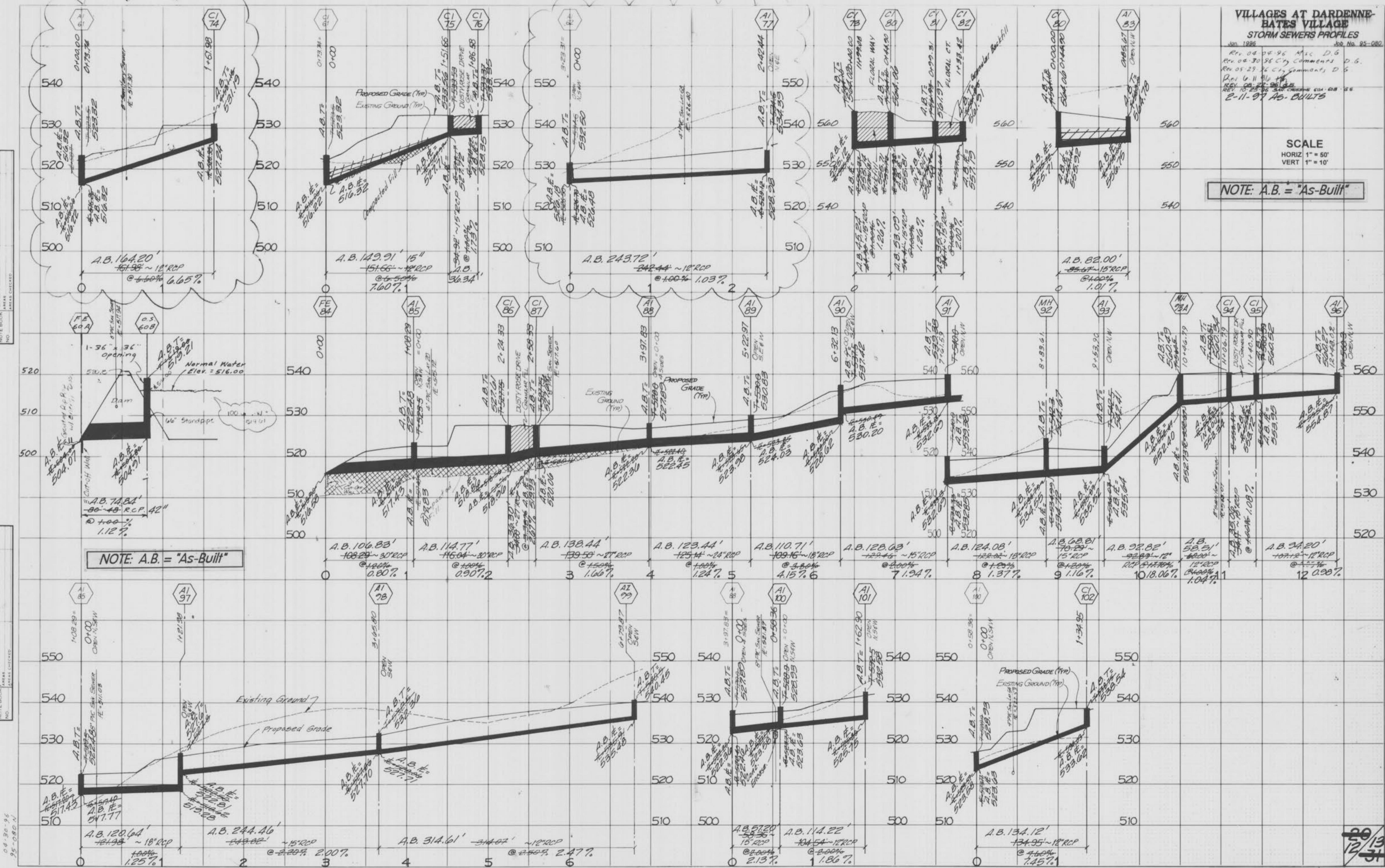
Rev. 04-30 24-96 MSC D.G.
Rev. 05-29 26 C.G. Comments D.G.
Rev. 6-11 96 C.G. Comments D.G.
Rev. 10-25-96 San Croceco Co. - 608 - 566
2-11-97 AB - BUILTS

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

NOTE: A.B. = "As-Built"

ORIGINAL SURVEY	BY DATE
PLOTTED	
NOTE BOOK	
IMPLATE	
AREA CHECKED	
NO.	

ORIGINAL SURVEY	BY DATE
PLOTTED	
NOTE BOOK	
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"AS-BUILTS"

