

# IMPROVEMENT PLANS POST MEADOWS

PART OF FRACTIONAL SECTION 12  
TOWNSHIP 46 NORTH, RANGE 2 EAST,  
ST. CHARLES COUNTY, MISSOURI

## CITY OF O'FALLON GENERAL NOTES

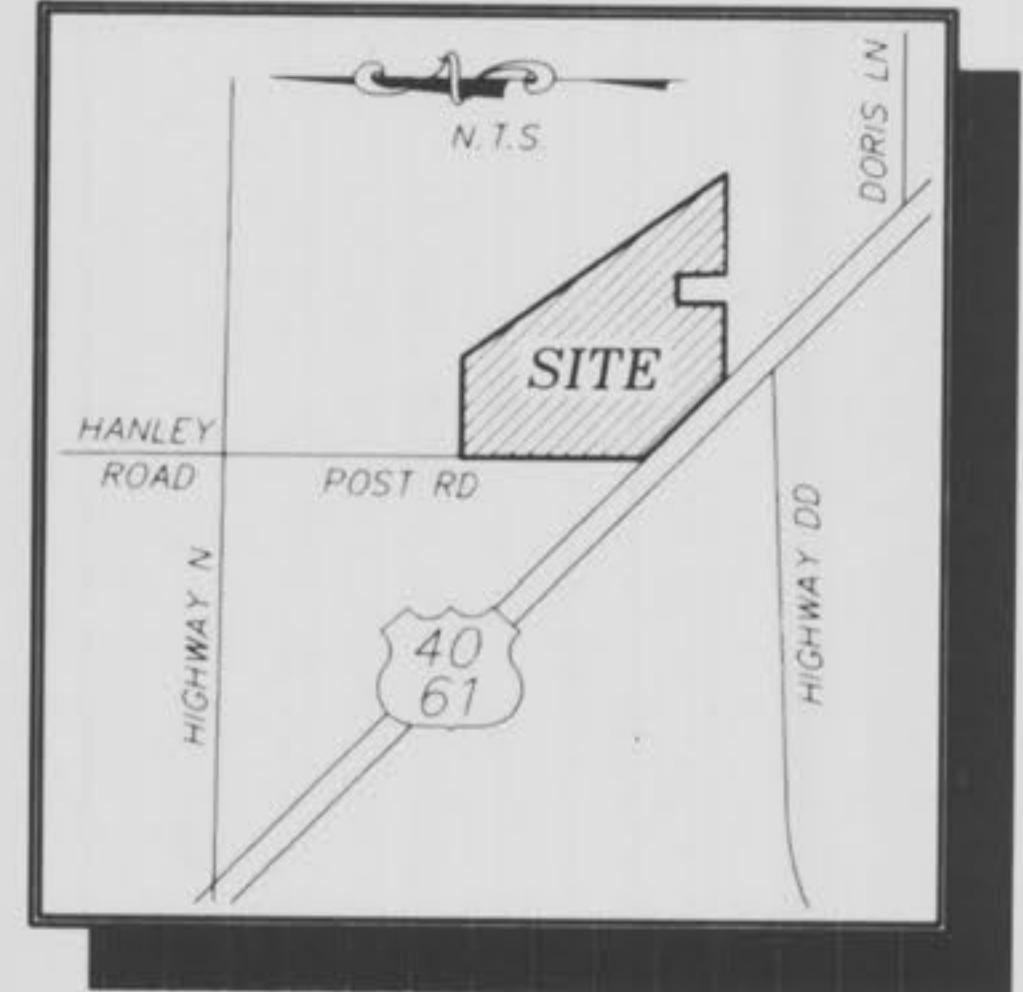
1. Gas, water and other underground utilities shall not conflict with the depth or horizontal locations of existing and proposed sanitary and storm sewers, including house laterals.
2. Underground utilities have been plotted from available information and, therefore, their locations must be considered 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, regardless of size, shall be reinforced concrete pipe (ASTM C-76, Class III) 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 backfill 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 filled places under buildings, proposed sanitary and storm sewer lines, and/or paved areas including trench backfill 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.
9. All 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. 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.
12. All grades shall be within 0.2 feet (more or less) of those shown on the grading plan.
13. All slopes shall be greater than 3:1 and shall be either sodded or seeded and mulched.
14. Hazard markers will consist of three (3) standard specification, "Manual of Uniform Traffic Control Devices," end of roadway markers mounted on two (2) pound "Y"型 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.
15. All manhole and curb inlet bolts 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 insets will be face staked. If normal face stakes fall in line with sewer construction, the Engineer will set these stakes on a one foot offset. It shall be the responsibility of the sewer contractor to preserve all face stakes from destruction.
16. All standard street curb inlets to have front of inlet 2 feet behind curb.
17. The minimum vertical distance from the low point of the basement to the flowline of a sanitary sewer of 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).
18. Water lines, valves, sleeves, meters and etc., shall meet all specifications and installation requirements of the local governing authority.
19. 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.
20. All water hydrants and valves shall be cast iron and installed in accordance with plans and details.
21. All sanitary and storm sewers shall meet all specifications and installation requirements of the local governing authority.
22. All PVC water pipe shall have a minimum pressure rating of PR-200 or SDR-21.
23. All PVC sanitary sewer pipe is to be SDR-35 or equal with "clean" 1/2 inch to 1 inch granular stone bedding uniformly graded the bedding shall extend from 4 inches below the pipe to springline of the immediate backfill over pipe shell consist of same size "clean" or "mines" stone from springline of pipe to 6 inches above the top of pipe.
24. All grading on Missouri State Highway Right-of-Way shall be seeded and mulched and all disturbed Right-of-Way markers shall be reset at the completion of grading.
25. All streets must meet the specifications and installation requirements of the City of O'Fallon.
26. All sanitary manhole top shall be set 0.2' higher than the proposed ground except in pavement areas.
27. All exterior sanitary sewer manholes shall be waterproofed on the exterior in accordance with Missouri Dept of Natural Resources specification 10 CSR 8-1207(MRE).
28. All sanitary service line shall have a 6" diameter for Multi-family and a 4" diameter for single-family developments.
29. Manhole frame and cover shall be Clay and Bailey No. 2008 or Neenah R-1736 or Deeter 1315 or approved equal.
30. A drop of 0.2 feet is required through each sanitary manhole.
31. All pipes shall have positive drainage through manholes. No flat base structures are allowed.
32. The contractor shall prevent all storm, surface water, mud and construction debris from entering the existing sanitary sewer system.
33. Bricks shall not be used on manholes.
34. All existing site improvements disturbed, damaged or destroyed shall be repaired or replaced to closely match preconstruction conditions.
35. All sanitary sewer pipelines and lines built without elevations furnished by the engineer will be the responsibility of the sewer contractor.
36. NOTE: The grading and elevations shown on the grading plans are for construction purposes only. Finished grades and slopes will vary from those shown on the plans depending upon the location, size and type of house built on the lot. However, care should be taken to insure that finished grading conforms to drainage area maps.
37. As needed, siltation fence shall be installed as a protective barrier for trees to remain.
38. This tract is or is served by:
  - A. WATER - St. Charles Co. Public Water District No. 2
  - B. SEWER - Duckett Creek Sanitary District
  - C. ELECTRIC - Union Electric Company
  - D. TELEPHONE - G.T.E. Telephone Company
  - E. GAS - St. Charles Gas Company
  - F. FIRE - Wentzville Fire Protection District
  - G. SCHOOL - Wentzville School District
39. The contractor shall be responsible for insuring that all areas within the grading limits that have been disturbed shall be seeded and mulched within ninety (90) days of completion.
40. The contractor shall 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.
41. The Duckett Creek Sanitary District shall be notified at least 48 hours prior to construction of sanitary sewers, for coordination and inspection.
42. All intersections within this subdivision meet the sight distance requirements.

160 LOTS

## DRAWING INDEX

Sheet	Description
1	COVER SHEET
2-5	FLAT PLANS
6-9	GRADING PLANS
10-13	STREET PROFILES
14-16	STORM PROFILES
17-19	SANITARY PROFILES
20-23	WATER PLANS
24	ENTRANCE DETAILS
25-28	DRAINAGE AREA PLANS
29-34	CONSTRUCTION DETAILS

## LOCATION MAP

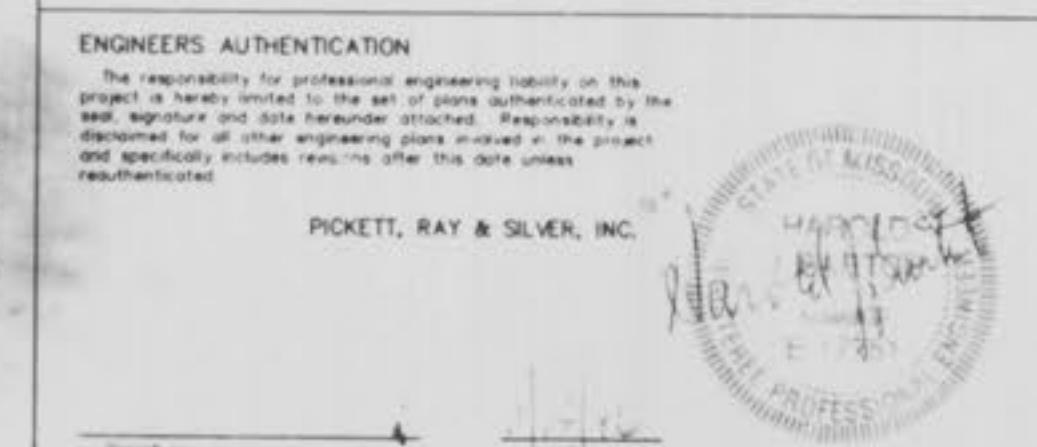
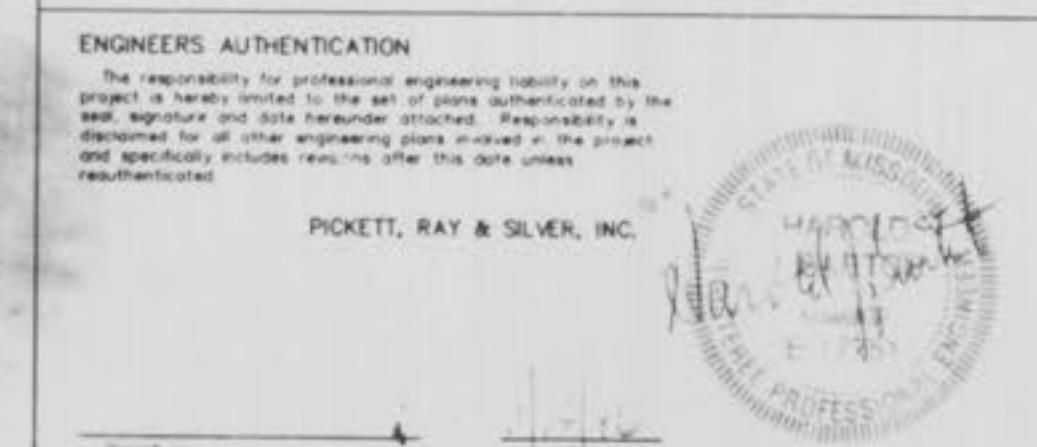


# "AS-BUILTS"

This is to certify to City of O'Fallon that these "As-Built" plans are based on actual field surveys conducted during August, 1996 and the results are shown hereon.

By: Daniel Ehlmann  
DANIEL EHLMANN, R.L.S., #2215  
STATE OF MISSOURI

PICKETT, RAY & SILVER'S CORPORATE  
REGISTRATION NO. LS-54-D



# "AS-BUILTS"

## SITE BENCHMARK

REV. #39

CHISELED "□" SQUARE ON NORTH END OF WEST HEADWALL OF POST ROAD BRIDGE OVER TRIBUTARY NO. 15.  
ELEV. 556.90 (NGVD & USGS)

## DEVELOPER

L.A.D. PROPERTIES, L.L.C.  
2458 OLD DORSETT ROAD  
SUITE 110  
ST. LOUIS, MISSOURI 63043  
PHONE: (314) 298-5108

## REVISIONS

REV. 10/23/96 PER CITY OF O'FALLON COMMENTS  
REV. 10/28/96 SHS 2-9, 17-19 SAN SEWERS  
REV. 11-86-96 PER DUCKETT CREEK COMMENTS  
REV. 10/29/96 CITY OF O'FALLON COMMENTS (SHEETS 1-10)  
REV. 1-14-97 PER D.C.B.D. (SHEETS 2,3,5,9,17,18 & 22)  
REV. 1-24-97 PER C.M. O'FALLON (SHEETS 5,7,9,16,26,28)  
REV. 9-18-97 (FE. 110) SHEETS 3,5,7,9,16,26,28

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DRAWN	R.D.W.	DATE
CHECKED	K.J.D.	DATE
FIELD	PROJECT #	JOB ORDER #
BOOK	96-028	34917

# PICKETT RAY & SILVER

Civil Engineers  
Planners  
Land Surveyors

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

SEE SHEET 3

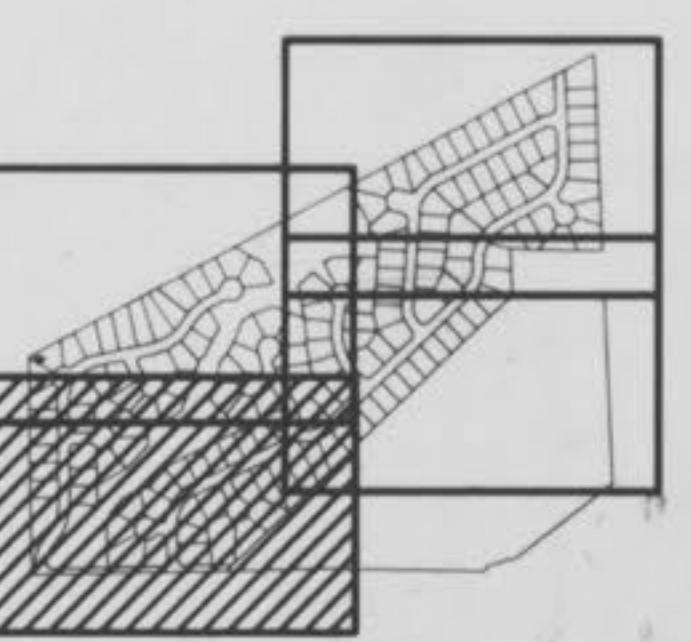
N/F  
MONSANTO COMPANY  
BK 956 PG 821  
ZONED R-1A



POST MEADOWS  
FLAT PLAN

SEE SHEET 4

POST  
CCRB  
(AS)



"AS-BUILTS"

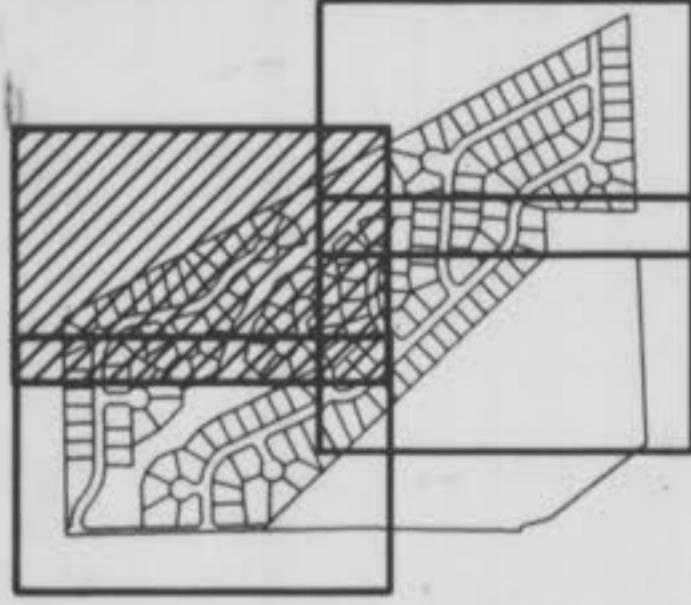
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**UTILITY NOTE:**  
ALL UTILITY STRUCTURES AND UTILITIES HAVE BEEN  
PLOTTED FROM AVAILABLE SURVEYS AND RECORDED INFORMATION AND,  
THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY.  
VERIFICATION OF LOCATION OF ALL UNDERGROUND STRUCTURES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

REV 1-20-96 ADDRESSES  
REV 1-20-96 DRAWS ADDED FOR CITY OF O'FALLON  
REV 1-28-97 PER CITY OF O'FALLON  
REV 1-28-97 PER D.C.D.  
REV 3-18-97 F.E. 44

**POST MEADOWS**  
FLAT PLAN

96-028  
September, 1996



KEY MAP

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

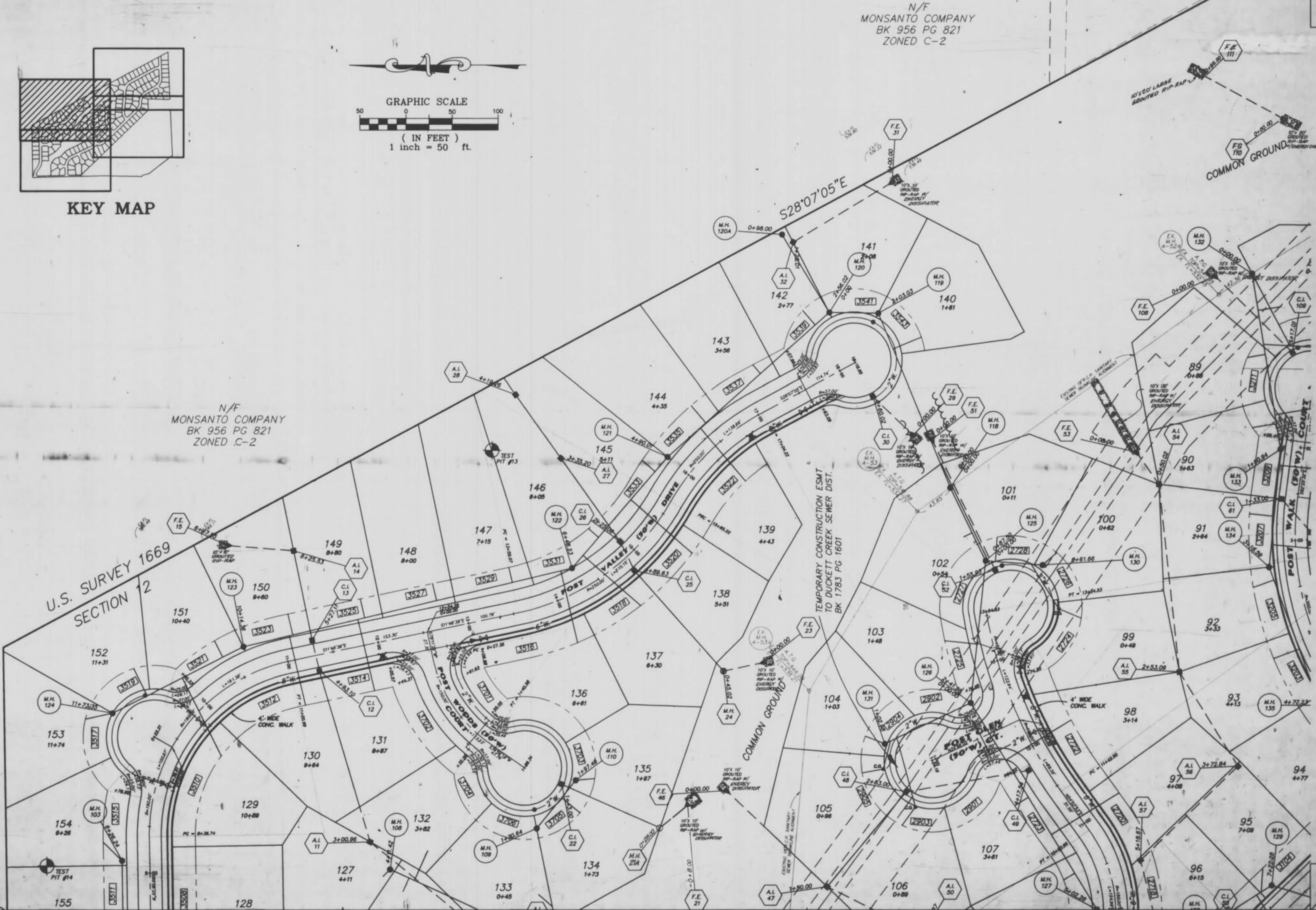
N/F  
MONSANTO COMPANY  
BK 956 PG 821  
ZONED C-2

N/F  
MONSANTO COMPANY  
BK 956 PG 821  
ZONED C-2

U.S. SURVEY 1669  
SECTION 12

PLOTTED 12/20/96

SEE SHEET 2/34



SEE SHEET 4/34

"AS-BUILT'S"

3

SEE SHEET 5/34

"AS-BUILT'S"

3

SEE SHEET 2/34

SEE SHEET 3/34



UTILITY NOTE:  
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GRAPHIC SCALE  
50 0 50 100  
( IN FEET )  
1 inch = 50 ft.

SEE SHEET 5/34

N01°10'26"E

550.18'(S&R&C)  
RELINQUISHMENT OF DIRECT ACCESS  
BK 461 PG 2

MISSOURI STATE HIGHWAY 40-61  
(VARIABLE WIDTH)

EDISON TO MISSOURI  
EDISON COMPANY  
BK 256 PG 255  
SEE ITEM 10

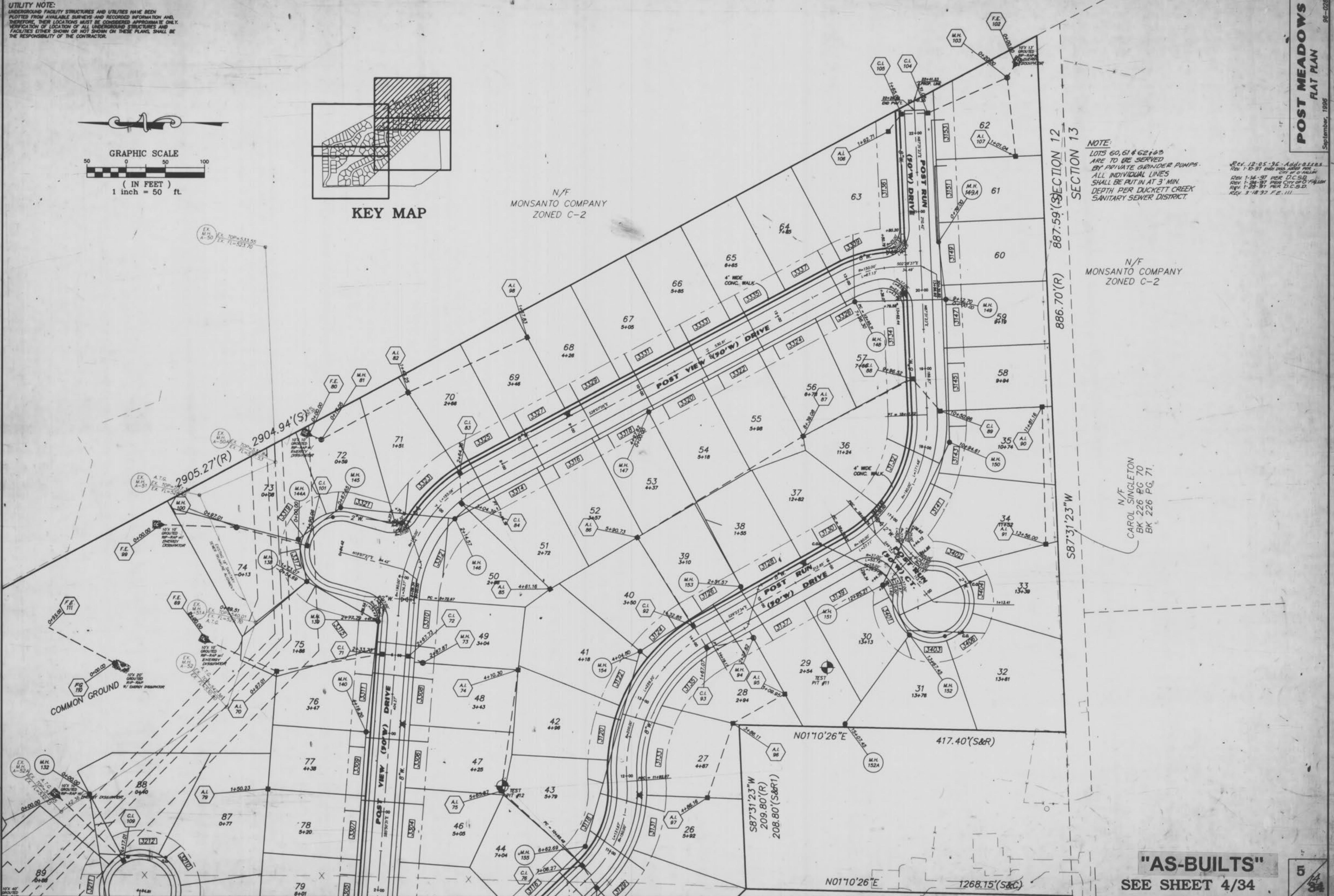
4 "AS-BUILT'S"

POST MEADOWS

96-028

4

Post meadows



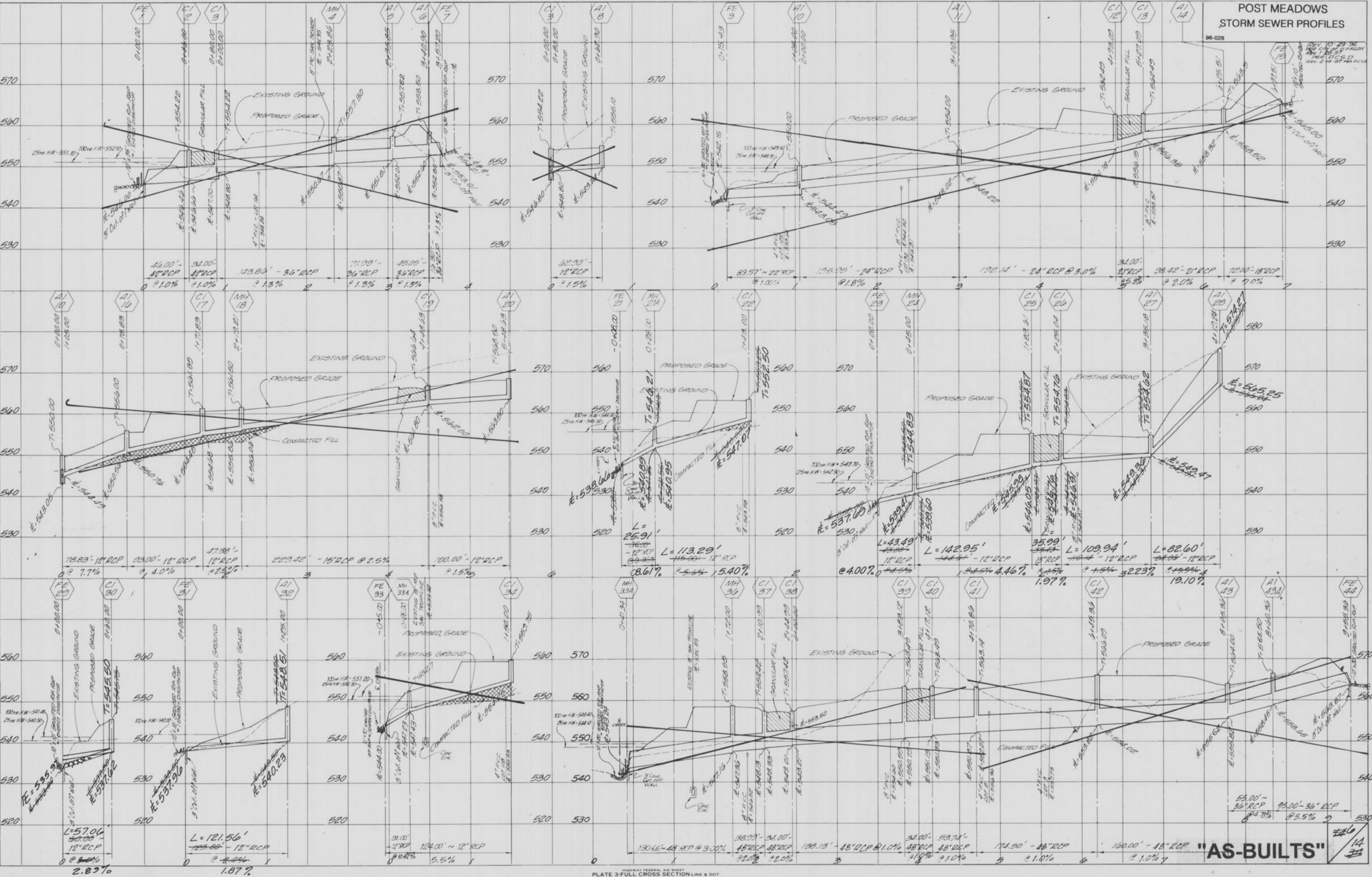
POST MEADOWS  
STORM SEWER PROFILES

96-028

REV. 10-23-96  
PENNSYLVANIA  
PER DCSID  
SER. 2 04-07 PER DCSID

FINAL SURVEYED DATE	BY
SURVEYED POINTS	NOTE BOOK NO.
AREAS CHECKED	

ORIGINAL SURVEYED DATE	BY
SURVEYED POINTS	NOTE BOOK NO.
AREAS CHECKED	



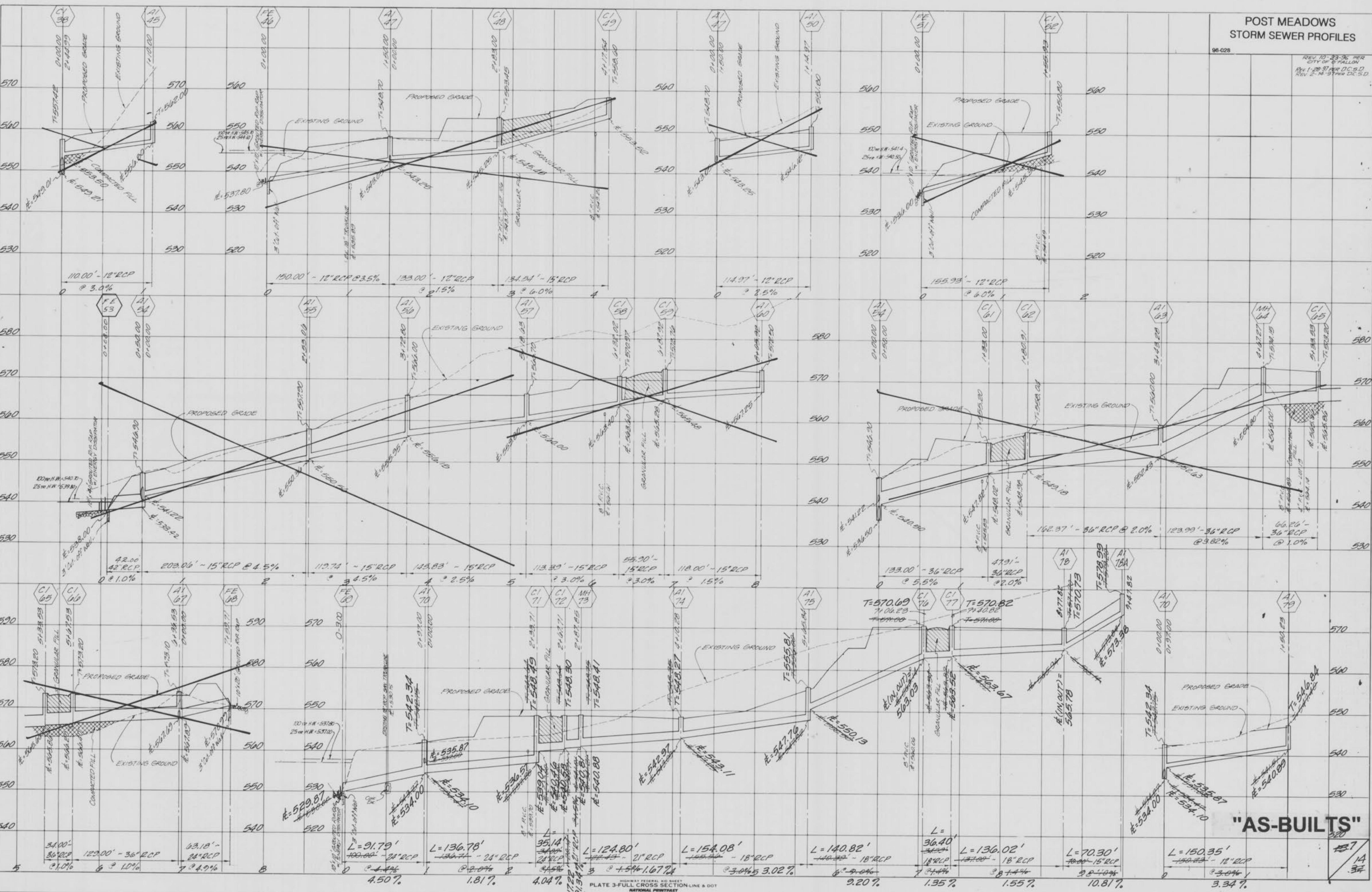
POST MEADOWS  
STORM SEWER PROFILES

96-028

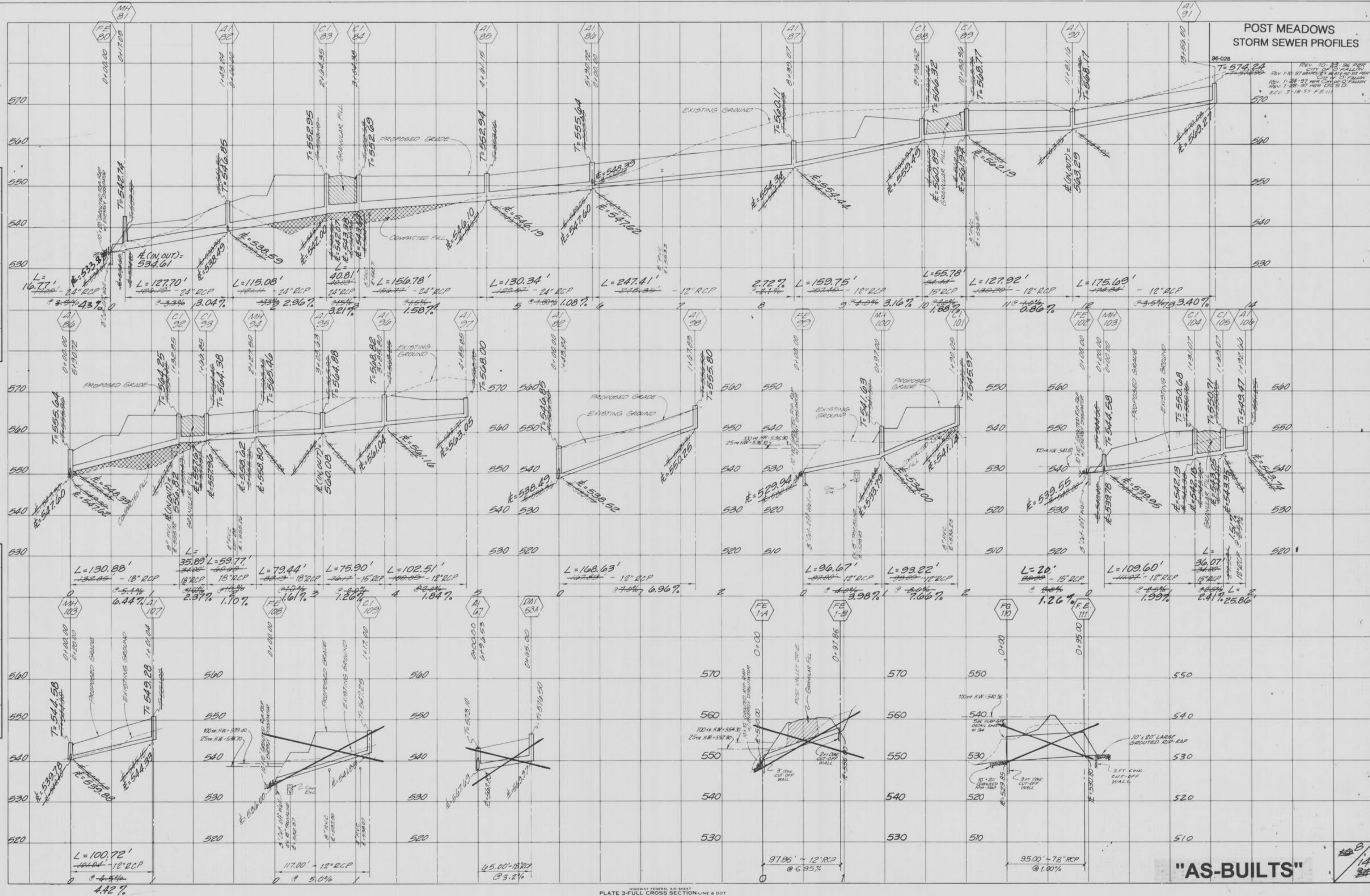
REV 10-23-96 PER  
CITY OF O'FALON  
REV 1-28-97 PER DCSD  
REV 2-14-97 PER DCSD

FINAL SURVEY	SURVEYED	NOTES	BOOM	TEMPORARY	BUOYS	PILOTED	AREAS	CHECKED

ORIGINAL SURVEY	SURVEYED	NOTES	BOOM	TEMPORARY	BUOYS	PILOTED	AREAS	CHECKED



POST MEADOWS  
STORM SEWER PROFILES



POST MEADOWS  
SANITARY SEWER PROFILES

96-028

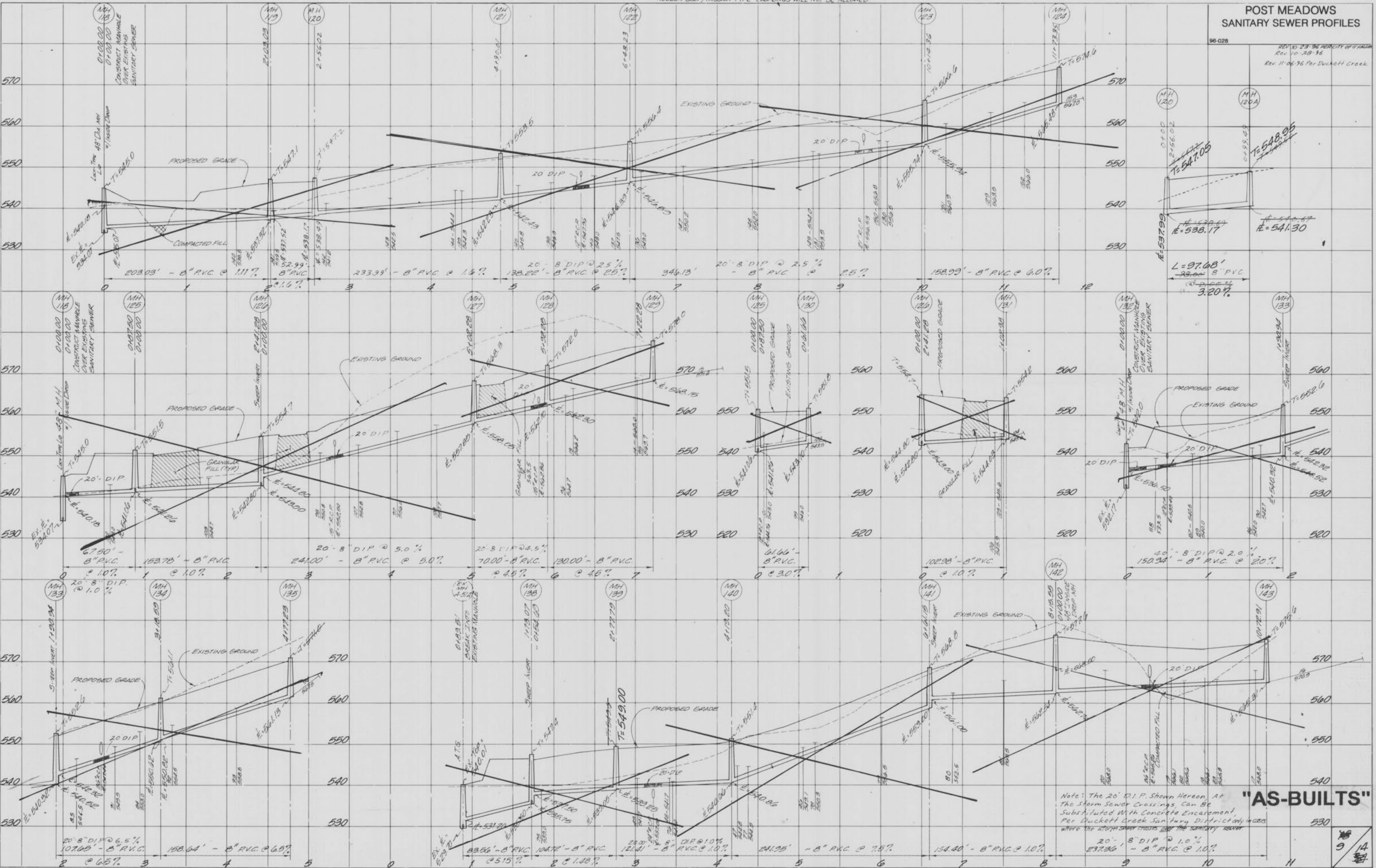
Rev 10-23-96 PERMIT OF O'FALLON  
Rev 10-29-96  
Rev 11-06-96 Per Duckett Creek

NOTE:

PREMANUFACTURED ADAPTERS SHALL BE USED AT ALL PVC TO DIP CONNECTIONS  
RUBBER BOOT/MISSION TYPE COUPLINGS WILL NOT BE ALLOWED

FINAL SURVEY  
SURVEYED  
PLOTTED  
NOTE BOOK  
TEMP. AT  
AREAS CHECKED

ORIGINAL SURVEY  
SURVEYED  
PLOTTED  
NOTE BOOK  
TEMP. AT  
AREAS CHECKED



## NOTE:

PREMANUFACTURED ADAPTERS SHALL BE USED AT ALL PVC TO DIP CONNECTIONS.  
RUBBER BOOT / MISSION TYPE COUPLINGS WILL NOT BE ALLOWED.

POST MEADOWS  
SANITARY SEWER PROFILES

96-026

REV 10-23-96 PER CITY OF OTTAWA  
REV 10-28-96  
REV 11-06-96 PER DUCKETT CREEK  
REV 1-28-97 PER D.C.S.D.  
REV 2-12-97 PER D.C.S.D.

CONNECTIONS FROM  
GRANDEUR PUMPS

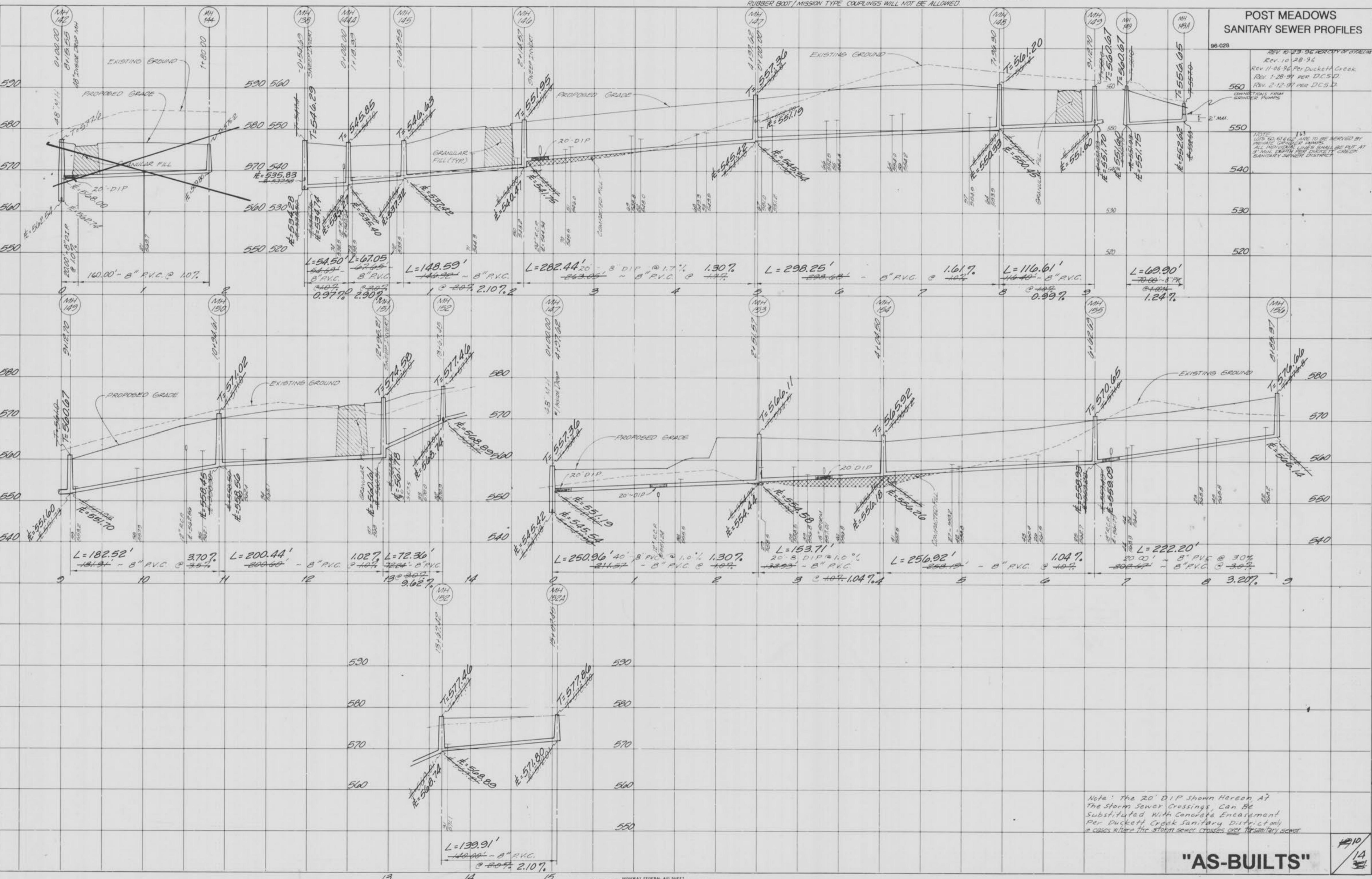
NOTE: 10' PRIVATE LINES ARE TO BE SERVED BY  
PRIVATE GRANDEUR PUMPS.  
ALL INDIVIDUAL LINES SHALL BE PUT AT  
3' MAX DEPTH OVER CREEK  
SANITARY SEWER DISTRICT

10'

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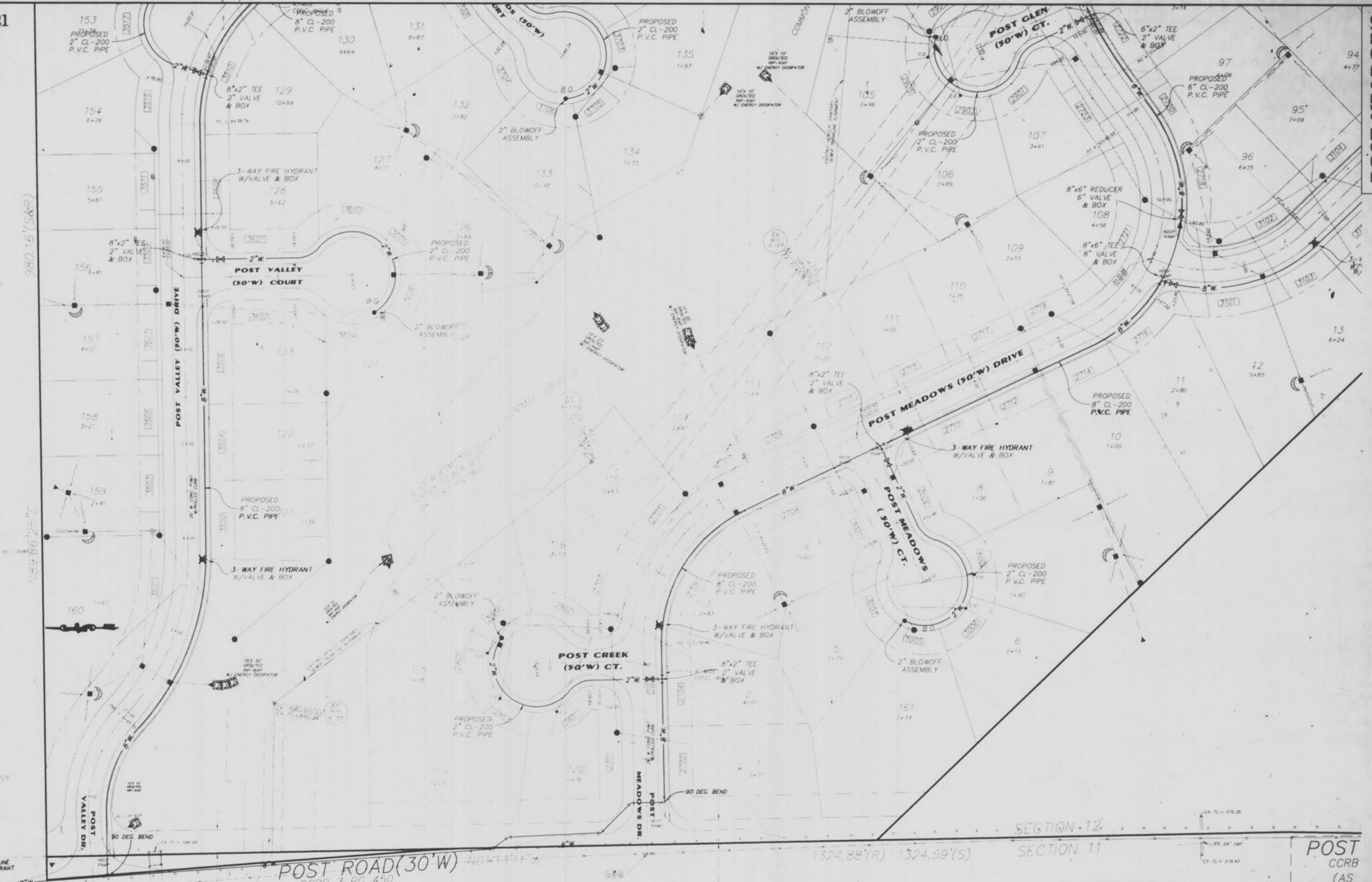
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PIOTTED	PIOTTED	
TEMPERATE	TEMPERATE	
NOTE BOOK	NOTE BOOK	
AREAS CHECKED	AREAS CHECKED	
NO.	NO.	

ORIGINAL SURVEY	RE-SURVEYED	NOTES
SURVEYED	RE-SURVEYED	
PIOTTED	PIOTTED	
TEMPERATE	TEMPERATE	
NOTE BOOK	NOTE BOOK	
AREAS CHECKED	AREAS CHECKED	
NO.	NO.	



SEE SHEET 21

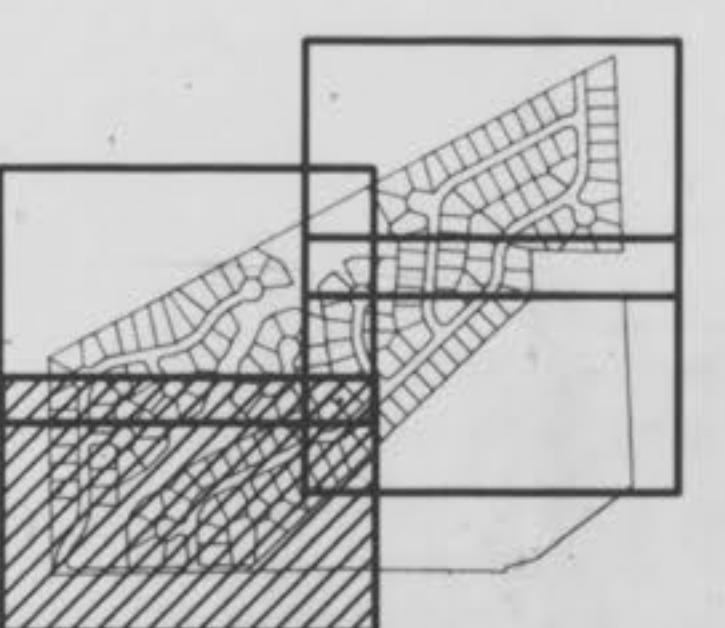
N/F  
MONSANTO COMPANY  
BK 956 PG 821  
ZONED R-1A



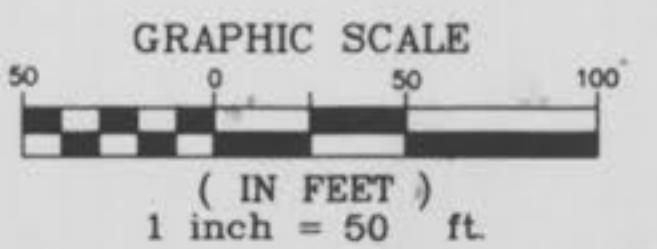
POST MEADOWS  
WATER PLAN  
Mo. 1996

SEE SHEET 22

POST  
CCRB  
(AS

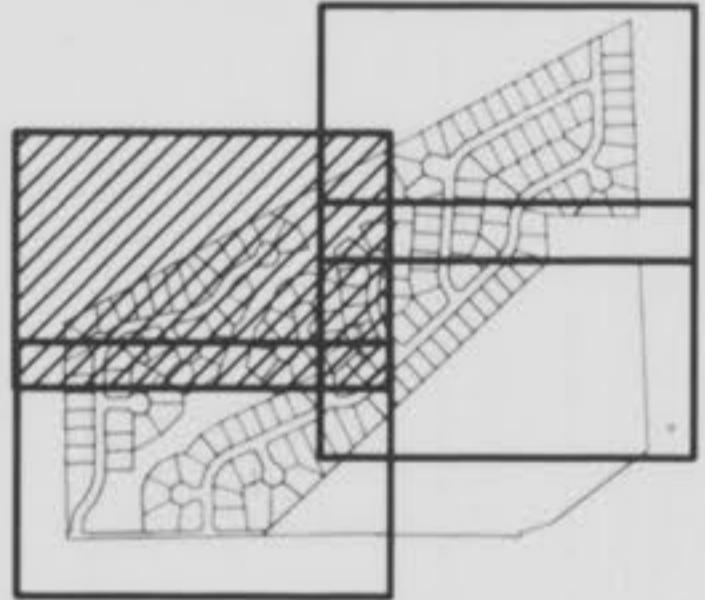


KEY MAP



"AS-BUILT'S"

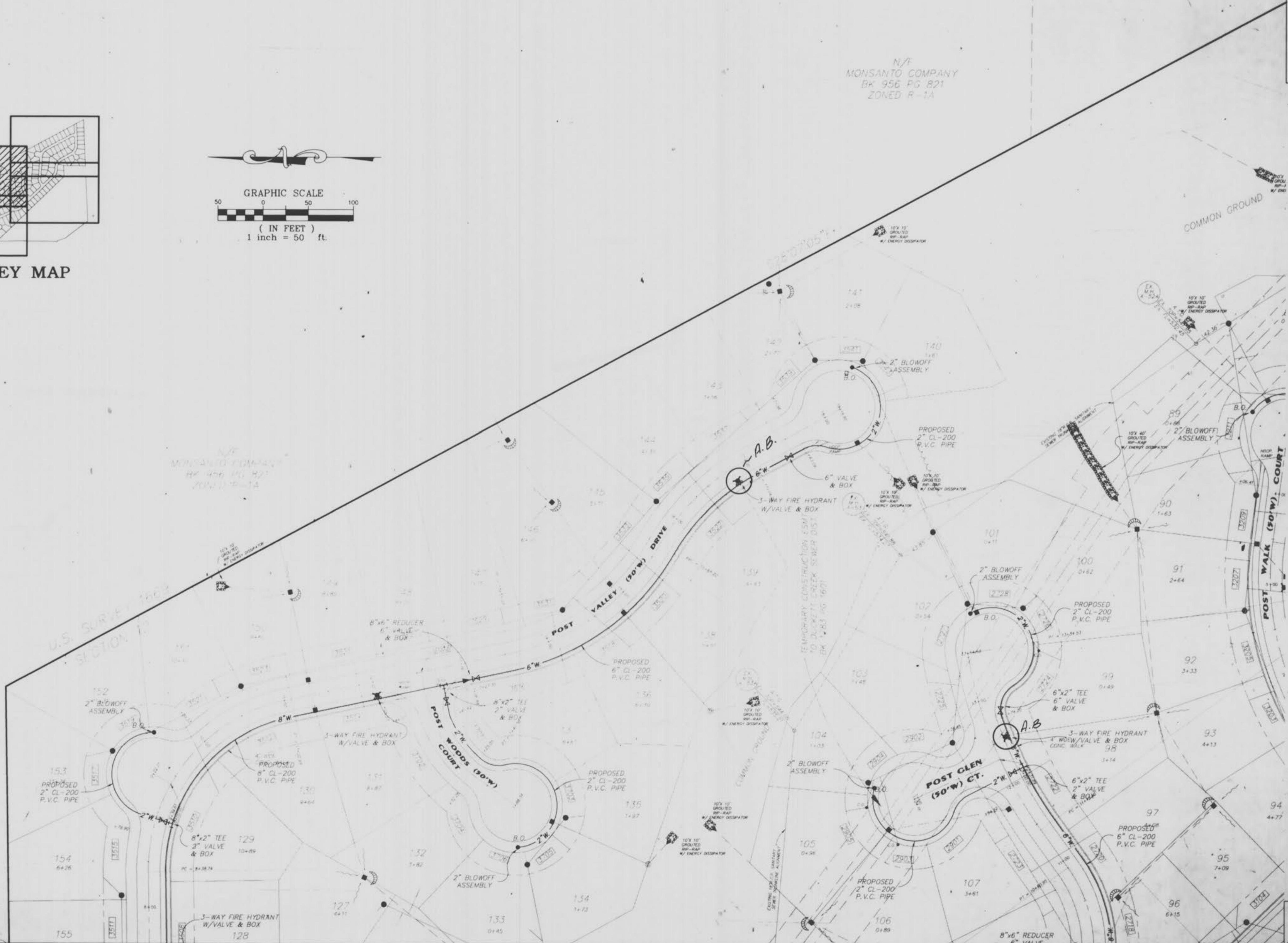
**UTILITY NOTE:**  
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KEY MAP

GRAPHIC SCALE  
50 0 50 100  
( IN FEET )  
1 inch = 50 ft.

N/F  
MONSANTO COMPANY  
BK 956 PG 821  
ZONED R-1A



## SEE SHEET 20



SEE SHEET 23

N01°10'26"E

1268.15'(S&amp;C)

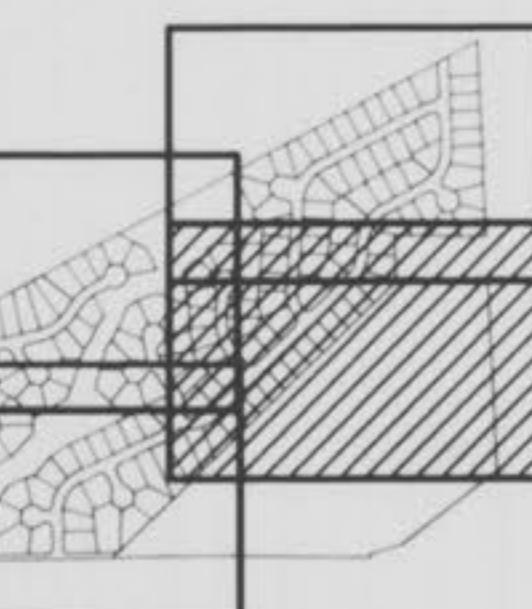
844.13'(S&amp;R&amp;C)

N/F  
CHEROKEE PIPELINE CO.  
BK 270 PG 582  
ZONED R-1A

N/F  
CAROL SINGLETON  
BK 226 PG 70  
BK 226 PG 71

ESMT TO MISSOURI  
EDISON COMPANY  
BK 256 PG 255  
BK 466 PG 444  
SEE ITEM 10

RELINQUISHMENT OF DIRECT ACCESS  
550.18'(S&P&C)  
BK 461 PG 2  
MISSOURI STATE HIGHWAY 40-61  
(VARIABLE WIDTH)

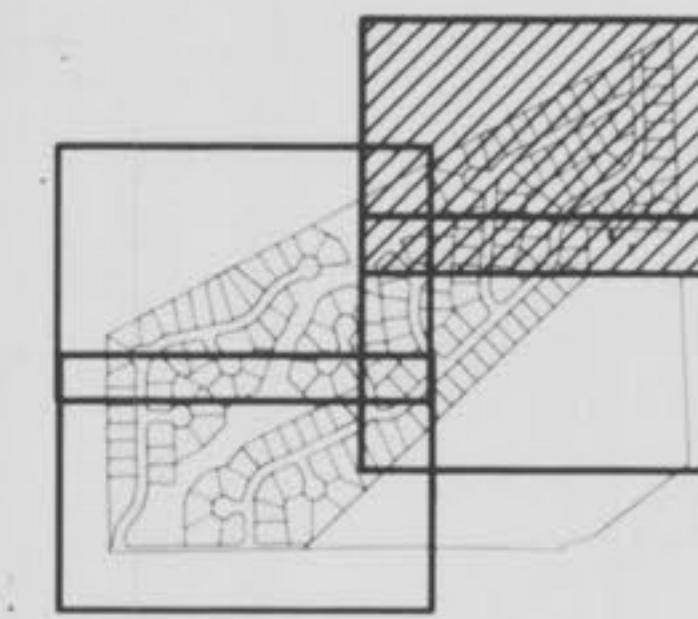


KEY MAP

SEE SHEET 21

UTILITY NOTE:  
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PLOTTED 10/16/97  
0020085



MONSANTO COMPANY  
ZONE D C.P.

CAROL SINGLETON  
Bk 226 Pg 70  
S87-3123-11

GRAPHIC SCALE  
50 0 50 100  
( IN FEET )  
1 inch = 50 ft.

"AS-BUILTS"  
SEE SHEET 22