#### **GIS Drain Input Checklist**

•	Pull Source Documents for Scanning
•	Digitize & Attribute Tile Drains

- Digitize & Attribute Storm Drains
- Digitize & Attribute SSD
- Digitize & Attribute Open Ditch
- Stamp Plans
- Sum drain lengths & Validate
- Enter Improvements into Posse
- Enter Drain Age into Posse
- Sum drain length for Watershed in Posse
- Check Database entries for errors

# Gasb 34 Footages for Historical Cost Drain Length Log

Drain-Improvement: CASTETTERERANDALL - SUNBLEST VILLIAGE APTS. PHASE I-III

•		•				17.195		
		Length	Length	Length		lication Par		
Drain Type:	Size:	( )	(DB Query)	Reconcile	Price:	Cost:		
	* 12"	90'	80'	-10	7 <sup>25</sup> //f	#580°°		
	15"	150'	150'	0	9.30/16	1425.00		
	24"	770'	770'	0	18:=/4	/3860°=		
	27"	450'	458'	Ö	21.30/14			
	36"	1016	640'	-376	32-25/If	13845 · CC 20640 · CC 1785 · CC		
	18"	170	170'	0	10.50/14	1785.00		
			, , , , , , , , , , , , , , , , , , , ,					
	Sum:	2846	2460	- 386		\$ 52,135		
Final Report:	2841.1							
	20 (6							
Comments:  THE LENGTH OF 1016' OF 36" RCD IS INCORRECT PER 45BUICTS								
MAP CHANGE SHOULD BE WRITTEN								
# Field Verified by Steve Baitz 1-6-2004.								

MINUTES OF THE HAMILTON COUNTY DRAINAGE BOARD

May 12, 1986

The meeting was called to order at 9:00am, Monday, May 12, 1986.

The members of the Board present were Mr. Phil Henderson-Vice Chairman and Mr. Jere D. Roudebush. Others present were Mr. Kenton C. Ward Hamilton County Surveyor and Mr. Joseph G. Roberts-Attorney for the Board and Mr. John South-SWCD Engineer.

Members Present Others Present

The minutes for April 14, 1986 meeting were submitted to the Board for approval.

Minutes Approved

Mr. Jere D. Roudebush made the motion to approve the minutes of April 14, 1986, seconded by Mr. Phil Henderson and passed.

The following were present for the reconstruction hearing on the Castetter and Randall Drain; Mr. Don Gwinnup-Engineer with Paul I. Cripe, Inc., Mrs. Janet Sterling with Gordon Mess Architect; Mr. Dave Butterworth with Butterworth and Associates; Mr. Gordon Mess with Gordon Mess Architect; Mr. Kelly Flynn with Flynn and Zinkan. Also Mr. John Purdue with Sunblest and Mr. Hall Lambert with Sunblest; landowner Mr. Denny Booth; Mr. Bill Strange with Schneider Engineers Corporation and Mrs. Gaye Cordell-Fishers Clerk-Treasurer.

Castetter & Randall Drain-reconstruction hearing

The Surveyor filed his reconstruction report with the Board. (H.I.)

"TO: Hamilton County Drainage Board

April 15, 1986

RE: Castetter and Randall Drain

Attached is a preliminary drainage plan for the Sunblest Village Apartments and Sunblest Farms. These show the location of the proposed drain in red. The drains shown in red will be maintained as regulated drains, while the other drains and storms sewers will be maintained by the Town of Fishers and/or the developer. The developer and homeowners association will have the maintenance responsibility of all lakes.

This plan will be implemented in phases with complete construction plans submitted for approval prior to construction of each phase. The attached plans are preliminary and show the proposed location and size of the new drain. Location and size may change upon final design. The cost for the project will be borne by the developers, with only the existing maintenance assessment being paid by the other landowners within the drainage shed.

Also part of this overall plan is the proposed preliminary drainage plan for Northeast Commerical Park. This plan will intercept drainage now running under the railroad and through the Circle Hieghts subdivision. This runoff is planned to run North into the retention lakes for the Commerical Park and outlet into an open ditch to be placed parallel to the Charles Randall Drain.

I believe the proposed plans will provide an outlet for the area South and West of the proposed apartments and for up to twelve (12) acres South of lifth Street. I also believe the drainage problems within the Circle Heights subdivision will be relieved and relief should be provided to the overburdened Randall Drain.

I recommend a hearing for the approval of the proposed relocation be set for May 1986.  $\star$ 

KCW/no

Kenton C. Ward-Gounty Surveyor

\*Verbal report given at the Hamilton County Commissioners meeting April 7, 1986, Board set hearing for May 12, 1986 at 9:00am.

There were no written objections on file.

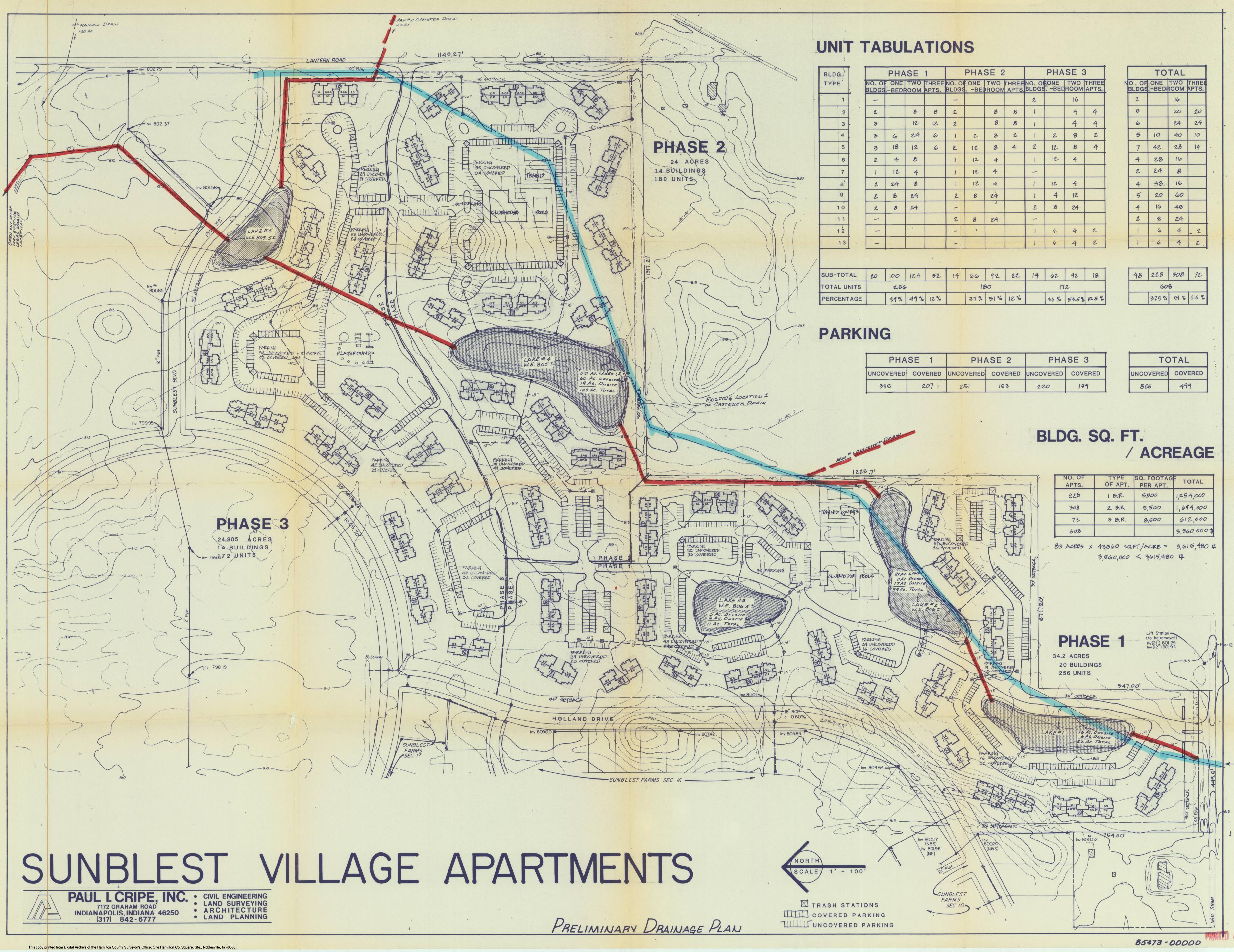
After discussion, the Board determined in writting that the costs, damages and expenses will be lesse than the benefit accuring to the owners of land benefitted. Mr. Jere D. Roudebush made the motion to adopt the Surveyor's report, seconded by Mr. Phil Henderson and passed. (The reconstruction project will be financed by the developers.)

The Board then issueed an order declaring the reconstruction established, marked the findings and order filed and publicly announced the findings and order at the meeting.

There were no landowners preent for the maintenance hearings for Springmill Crossing, Section 1. Mr. Don Gwinnup-Engineer with Paul I. Cripe, Inc. was present.

Springmill Crossing-Se Waint, hearing

There were no written objections on file.







Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square Noblesville, Indiana 46060-2230

August 21, 1995

TO: Hamilton County Drainage Board

RE: Castetter-Randall Drain
Sunblest Village Apartments Phase I-III

Attached are as-builts, certificate of completion & compliance, and other information for Sunblest Village Apartments Phase I-III. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable. Hearing for this was held in May 1986 based on by report to the Board dated April 15, 1986.

The Drain consists of the following:

12" RCP - 90' Feet

27" RCP - 650 Feet

15" RCP - 150' Feet

36" RCP - 1016 Feet

24" RCP - 770' Feet

18" RCP - 170 Feet

The length of the drain above is 2846 feet. The original B.F. Castetter Drain was vacated from station 0+70 to station 38+19. Section of drain between STA. 0 and STA 0+70 was replaced with  $70^{\circ}$  of  $12^{\circ}$  RCP.

This reconstruction removes 903 feet of drain from the drains easement.

I recommend the Board approve the drains construction as complete and acceptable.

Sincerely,

Kentøn C. Ward

Hamilton County Surveyor

KCW/sh





Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square Noblesville, Indiana 46060-2230

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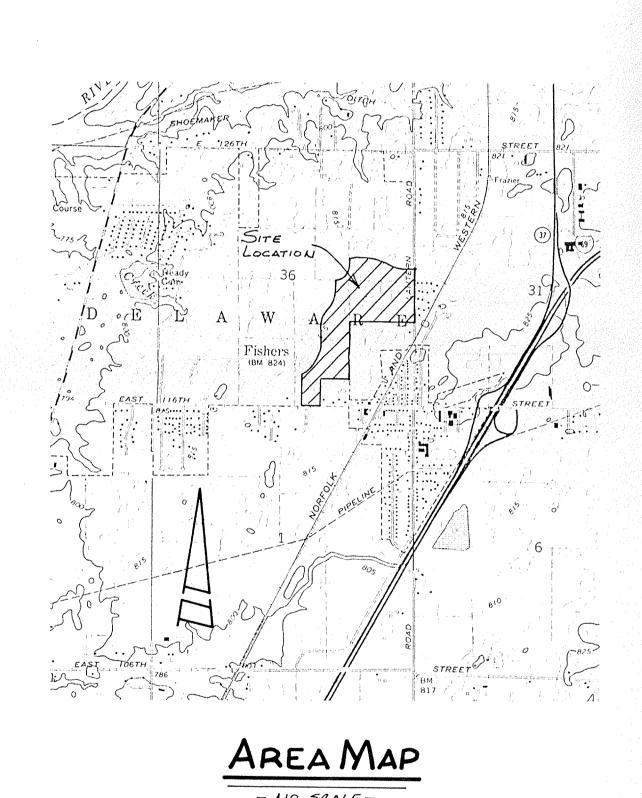
Kentøn C. Ward,

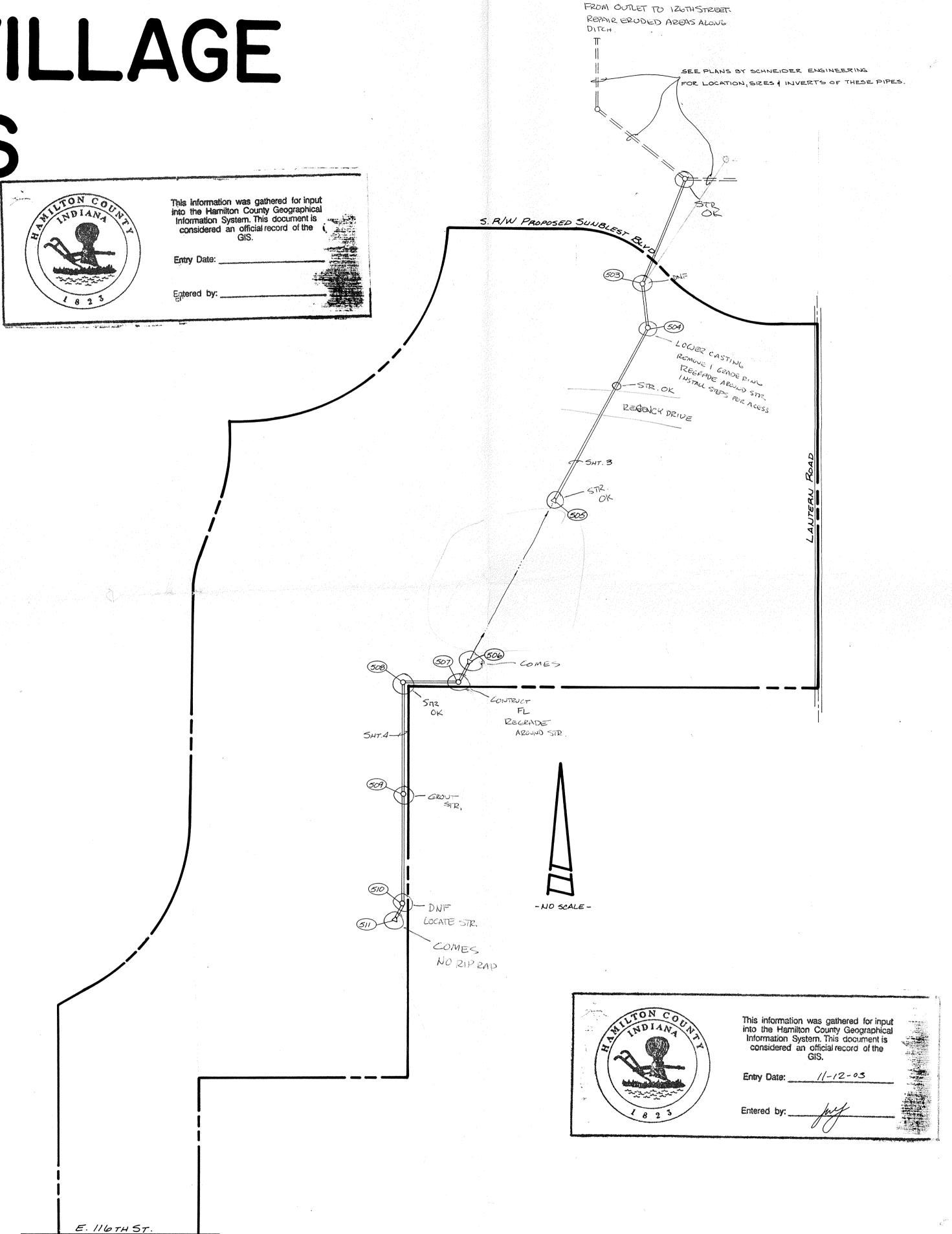
Hamilton County Surveyor

KCW/sh

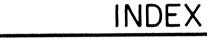


PHASEI





NEED TO SURVEY OPEN DITCH



SHT. 1-COVER SHEET

- 2-OFF-SITE STORM SEWER PLANS PROFILE
- 3-OFF-SITE STORM SEWER PLANG PROFILE 4-OFF-SITE STORM SEWER PLAN & PROFILE
- 5- DETAILS & SPECIFICATIONS

## BENCHMARK

TBM - LG. HINGE NAIL IN N. SIDE PWB. POLE #55-727 APPROX. 40'S. OF & 126TH ST. APPROX. 1000' W. OF LANTERN RD. . ELEV. = 798.96

## REVISIONS

7-25-86 REV. I.E. 'S & PIPE TYPE - SAT. 2 ADDED PIPE GA. - SHTS. 394 ADDED TILE CONNECTION DETAIL - SHT. 4

8-8-86 PIPE FROM STA 6+00 to OUTFALL BY OTHERS SHT ? SHORTEN PIPE FROM STR. #509 to #511 SHT. 4 8-20-86 REV. PIPE TYPE - SAT. 3



CERTIFIED BY REVISIONS DATE

PAUL I. CRIPE, INC. · CIVIL ENGINEERING 7172 GRAHAM ROAD INDIANAPOLIS, INDIANA 46250

[317] 842-6777

• LAND SURVEYING • ARCHITECTURE • LAND PLANNING

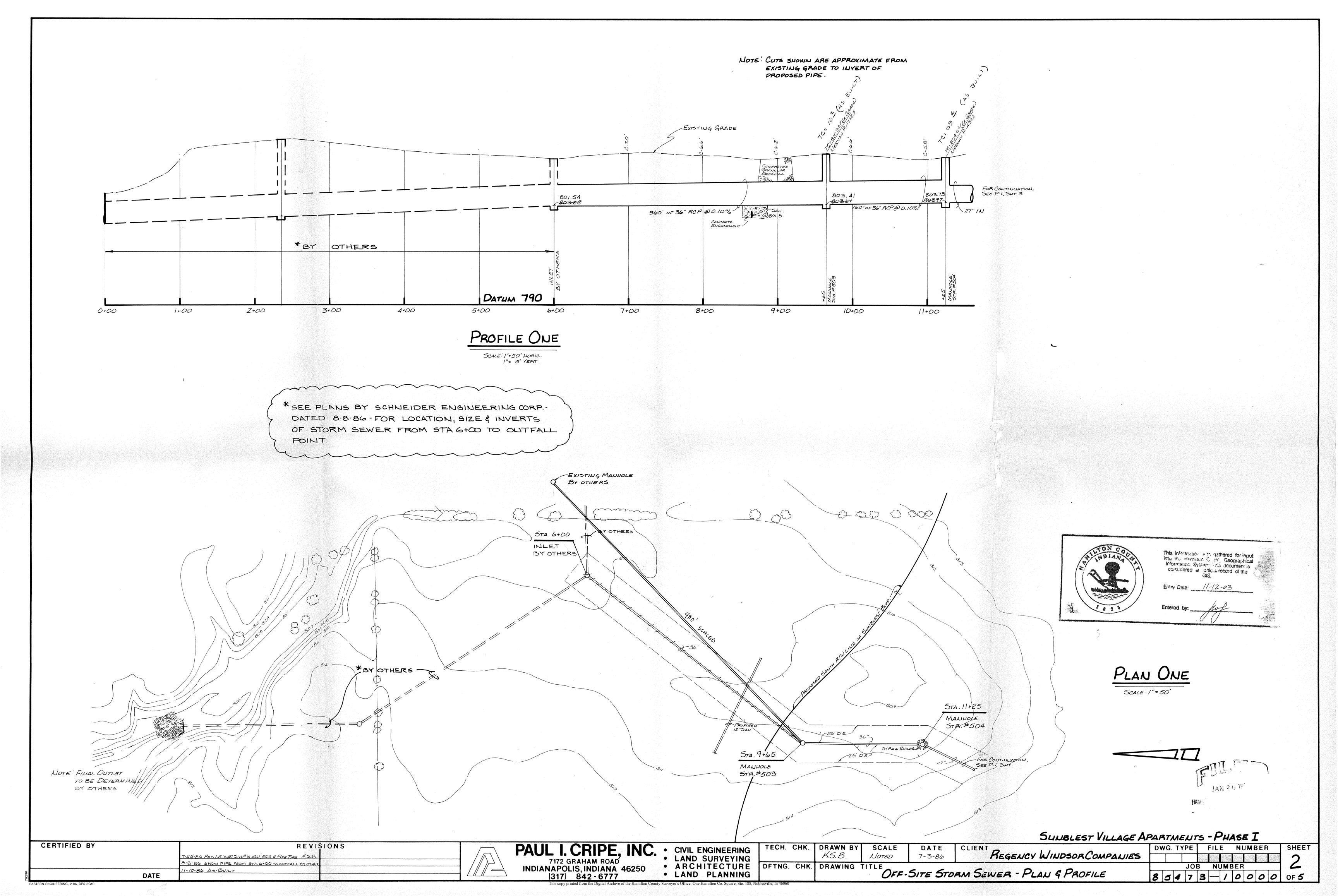
TECH. CHK. DRAWN BY DFTNG. CHK. DRAWING TITLE

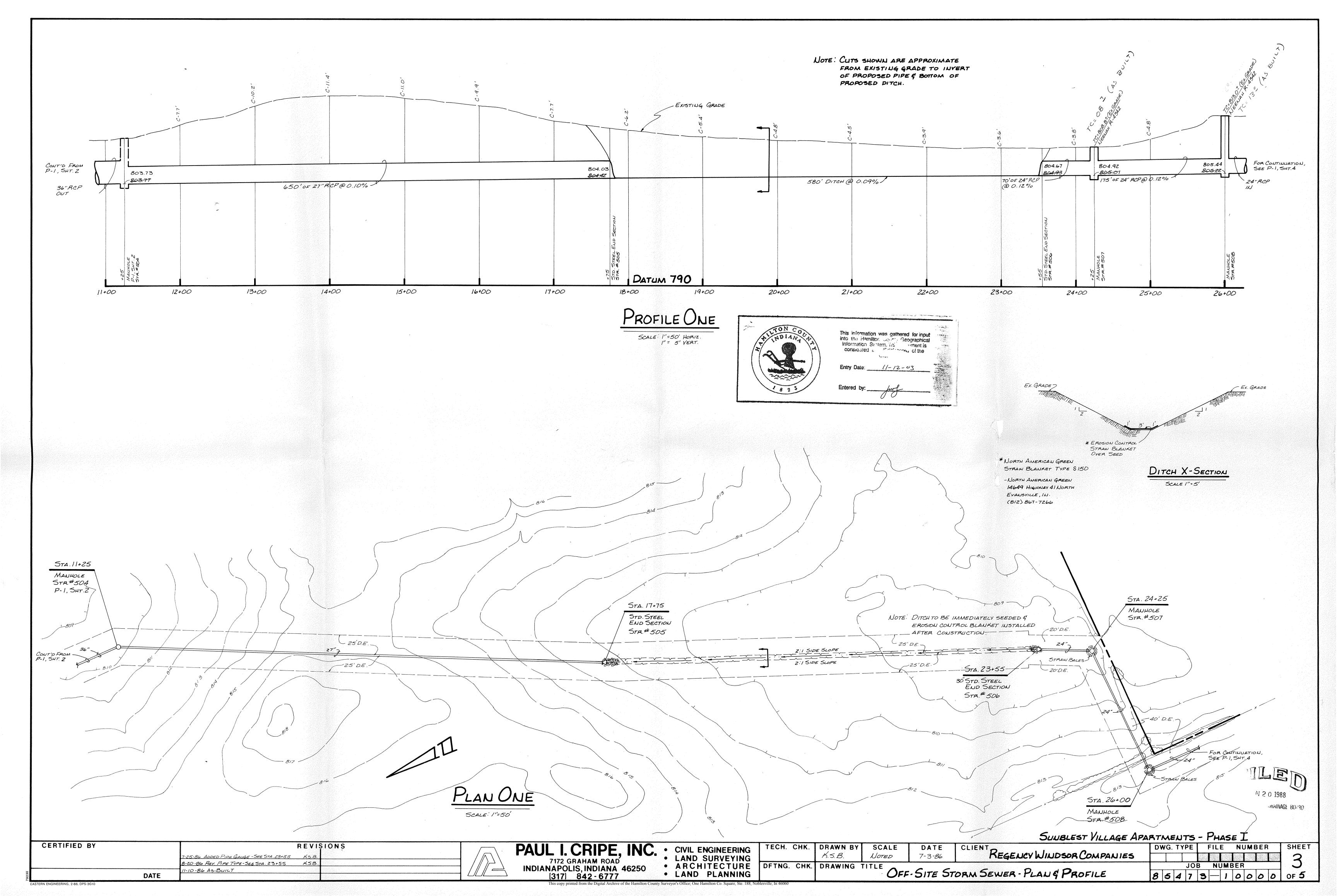
COVER SHEET

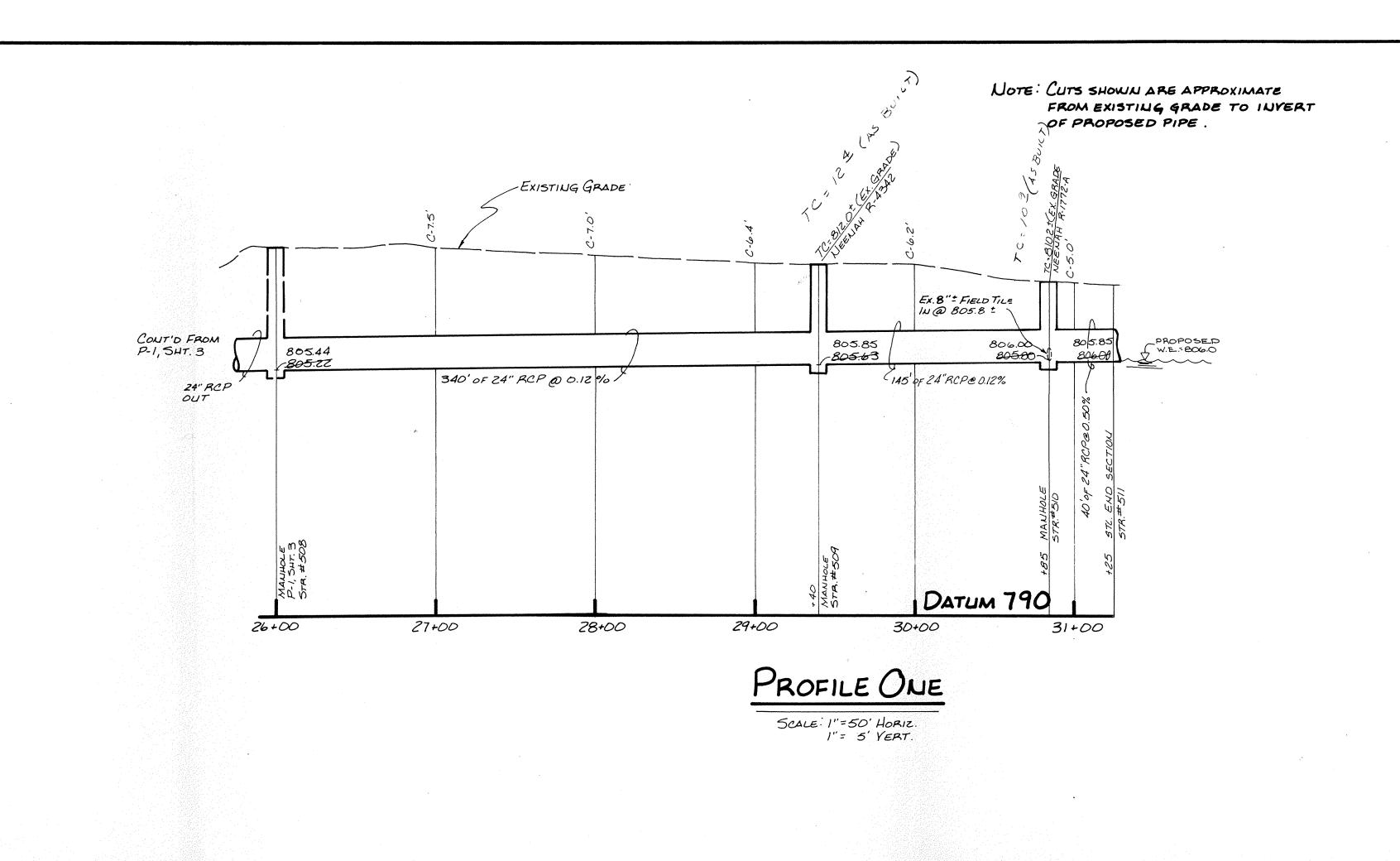
CLIENT REGENCY WINDSOR COMPANIES

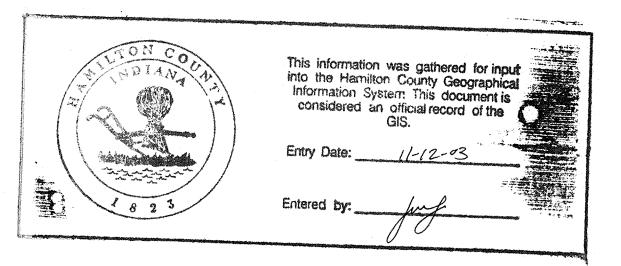
date 11-10-86

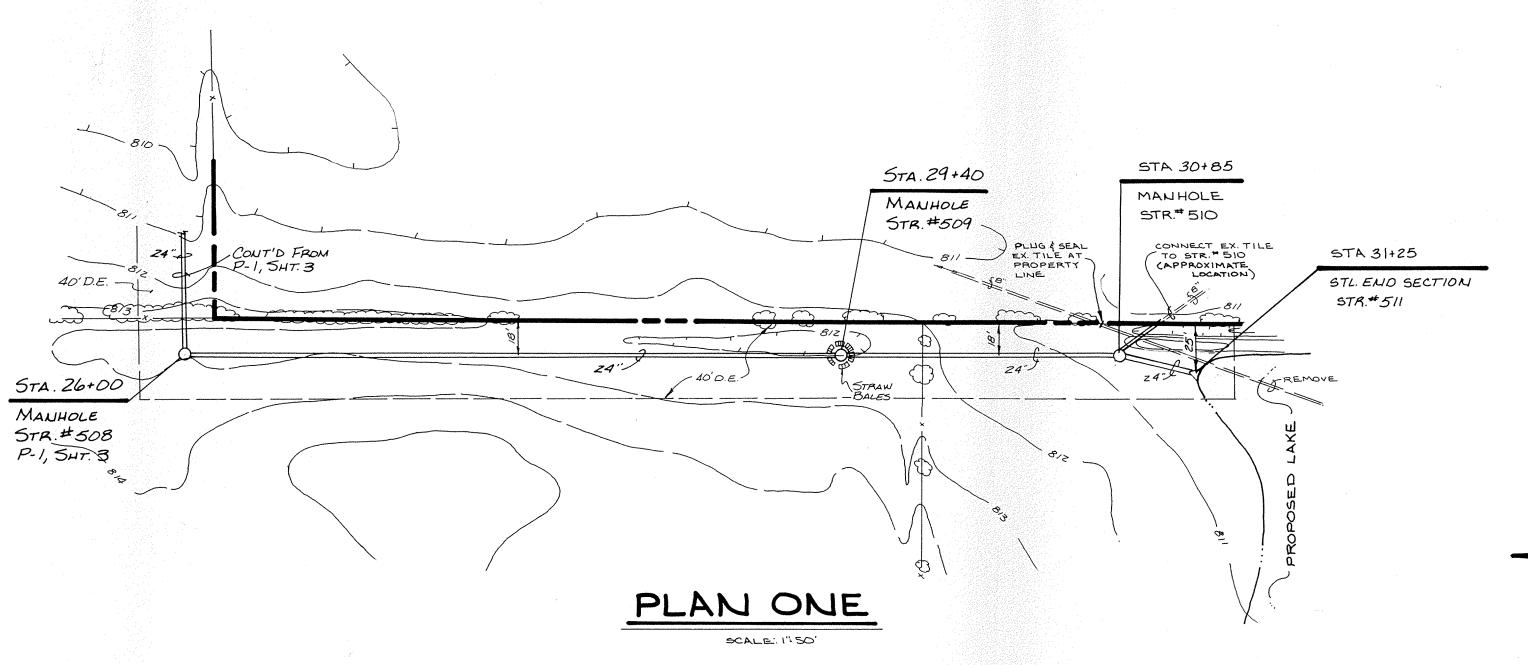
DWG. TYPE FILE NUMBER JOB NUMBER 85473-10000 OF 5











CERTIFIED BY REVISIONS 7-25-86 ADDED PIPE GAUGE-SEESTA 32+90; ADDED TILE CONNECTION DETAIL KS.B 8-8-86 SHORTEN PIPES FROM STR. #509 to #511 DATE

PAUL I. CRIPE, INC.
7172 GRAHAM ROAD
INDIANAPOLIS, INDIANA 46250
[317] 842-6777
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CIVIL ENGINEERING
LAND SURVEYING
ARCHITECTURE
LAND PLANNING

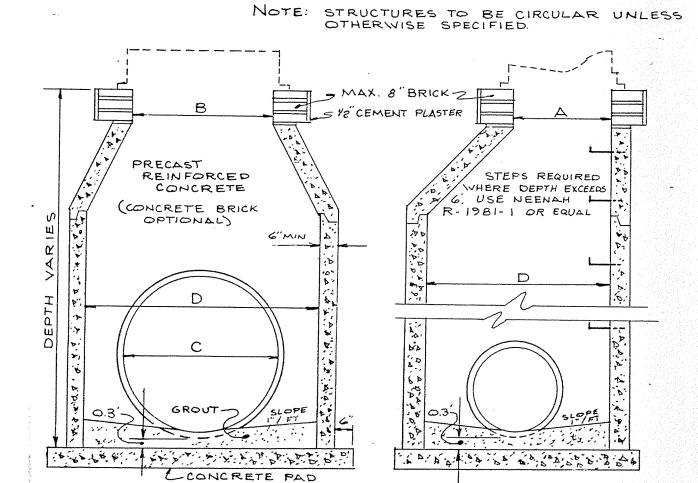
TECH. CHK. DRAWN BY SCALE Noted K.S.B. DFTNG. CHK. DRAWING TITLE OFF-SITE STORM SEWER - PLAN & PROFILE

REGENCY WINDSOR COMPANIES

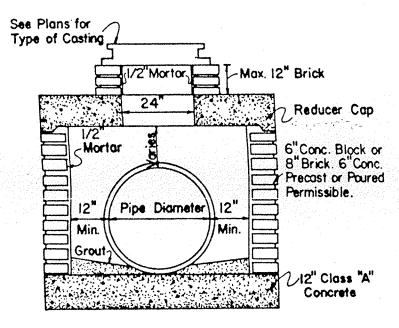
SUNBLEST VILLAGE APARTMENTS - PHASE I SHEET JOB NUMBER 4 8 5 4 7 3 - 1 0 0 0 0 0 0 5

CASTING	<u>A</u>	В	
R-1772-A	25" DIAMETER		
R-2560-E1	27" DIAMETER		
R-3010-A	24"	25	
R-3501	25"	27''	

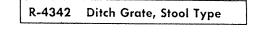
	•	
	Ú	D
	21"	4'-0"
Ì	7 <del>4</del> "	4'-0"
	"דא	4'-0"
	3⇔″	4'-4"
	36"	5'-0"
	42"	5'-4"
	48"	6-0;
	54"	6-6"

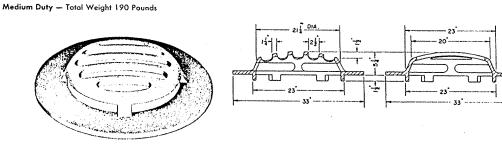


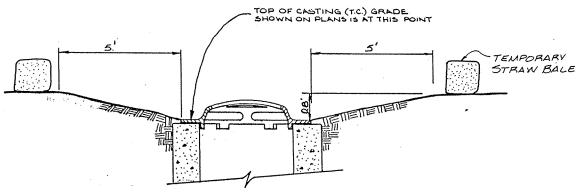
6" UP TO 8' DEPTH 8"-8'-12' DEPTH 12"-OVER IZ' DEPTH STORM MANHOLE & DEEP INLET



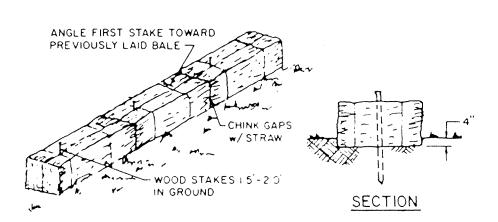
STORM MANHOLE (ALTERNATE)



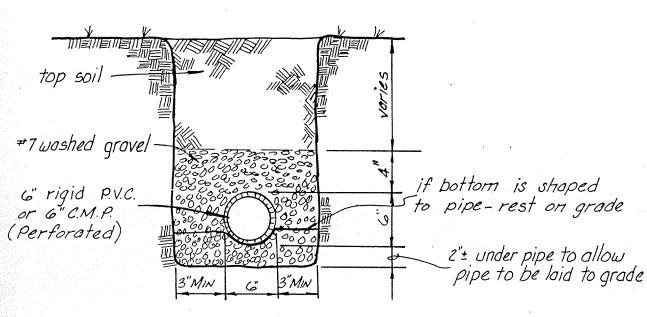




DITCH GRATE CASTING SETTING DETAIL

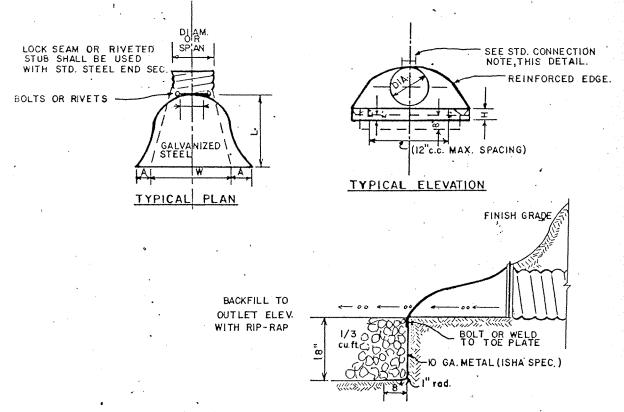


STRAW BALE DAM DETAIL



Subsurface Drain Detail

no scale



PIPE OR PIPE-ARCH WITH#3 CONN. TO LOCK SEAM OR RIVETED STUB.

REVISIONS

STANDARD STEEL END SECTION DETAIL

DATE

CERTIFIED BY

PAUL I. CRIPE, INC.
7172 GRAHAM ROAD
INDIANAPOLIS, INDIANA 46250
[317] 842-6777

CIVIL ENGINEERINGLAND SURVEYINGARCHITECTURELAND PLANNING

TECH. CHK. DRAWN BY K.S.B. DFTNG. CHK. DRAWING TITLE

SCALE

DATE

SUNBLEST VILLAGE APARTMENTS - PHASE I CLIENT REGENCY WINDSOR COMPANIES SHEET JOB NUMBER J 85473-10000 OF 5 DETAILS & SPECIFICATIONS

AMILTON COUNTY DRAINAGE BOARD

Seeding Specifications: 1. Swales/Grassed Waterways: Permanent seeding shall take

> 15# Kentucky Blue Grass 1000# 12-12-12 Fertilizer 3000# Mulch (Straw) 2. If grades are established between May 15 and August 10, a

temporary seeding consisting of 40# of Annual Ryegrass

place between March 1 and May 15 or from August 10 to

October 15 with the following per acre:

25# Kentucky 31 Fesque

shall be planted per acre. 3. If grades are established between October 15 and December 30, either Rye (grain) or Wheat may be used at the rate of 2 bushels/Ac. Oats may be used for early spring planting at the rate of 3 bushels/Ac. All grains should be cut at time of

permanent seeding. All grains should be cut prior to seed

If temporary souding is established prior to permanent seeding, the mulch may be eliminated except in "bare"

5. If grading occurs during December, January, or February, no seeding to take place till spring planting time; however, it is imporative that all sediment filters and traps are in place prior to bulk earthmoving or

6. All areas along street (approximately 25 foot behind curb) shall be seeded the same as swales.

7. All lots where grading has occured, shall be seeded with the temporary seeding process.

8. All dates shown are nominal, and may be varied with concurrence of the Engineer or the Local Soll Conservationist.

### Soll Erosion Control Summary

The following is a list in sequence of construction activities to control soil

1. Contractor shall install sediment traps and straw bale filters, as shown.

2. Mass grade the site (sides of swales, mounds and ponds to be seeded and mulched immediately upon completion). Temporary seeding shall be recommended for all swales and disturbed areas that cannot be final seeded within a time period that will prevent slope erosion. For temporary seeding the contractor shall utilize a fast growing seed of either oats, annual ryegrass, wheat or rye depending on time of year. Disturbed areas should be kept to a minimum at all times.

3. Contractor shall control mud accumulation on all streets surrounding project by installing stone surface at all locations where construction traffic leaves the site. Dust shall be kept to a minimum by utilizing sprinkling, Calcium Chloride, Vegetative cover, spray on adhesives or other approved methods.

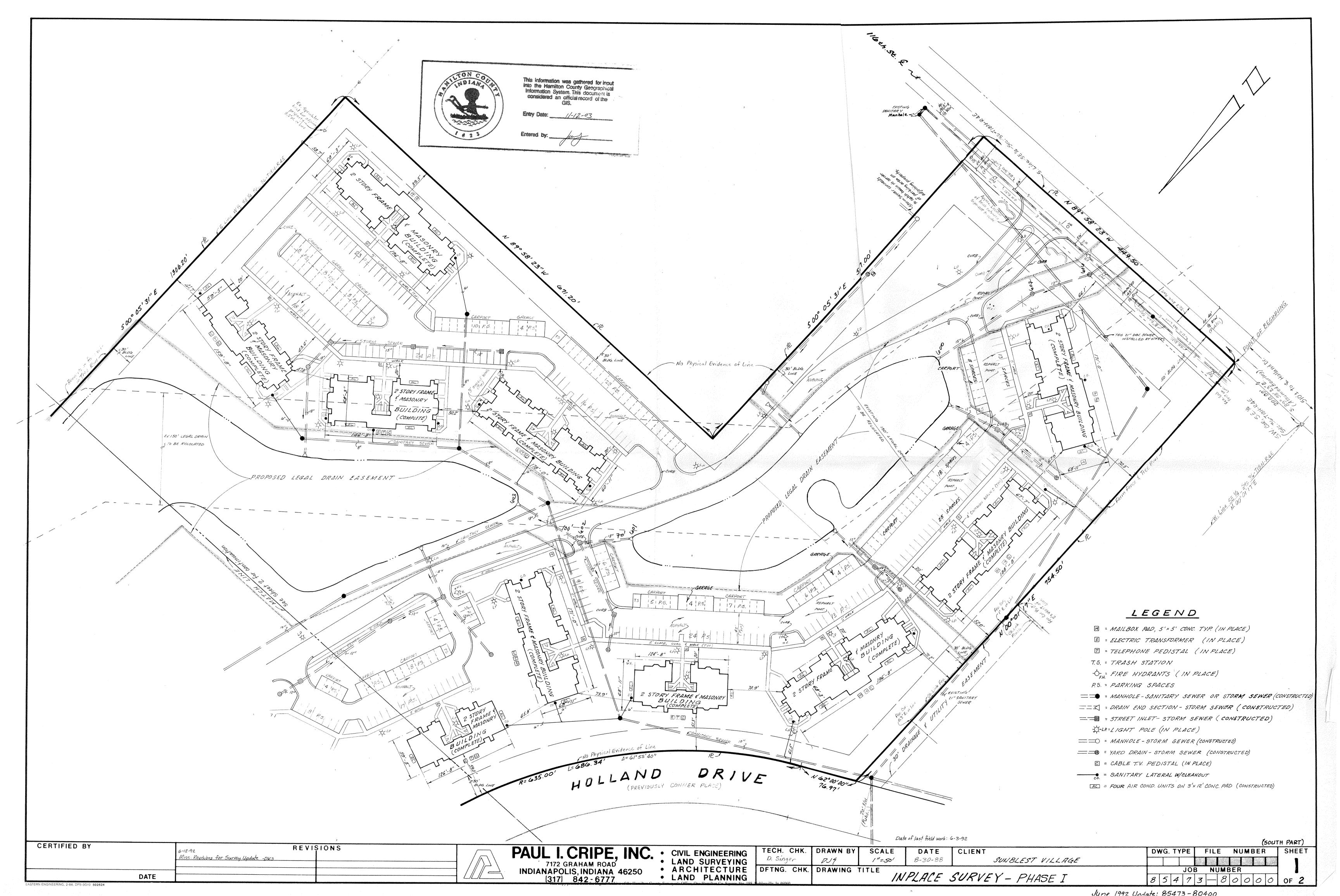
 Maintain all filters and traps during construction to prevent any blockages from accumulated sediment. Additional seeding and straw bales may be required during construction as specified by Engineer or Soll Conservation Service. Rip rap shall be placed in areas of high velocity stream flow (minimum size 1/3 cu. ft.). Payment for additional straw bales shall be at the Contractors expense. Payment for additional rip rap (not shown on plans) and seeding shall be paid for on a unit

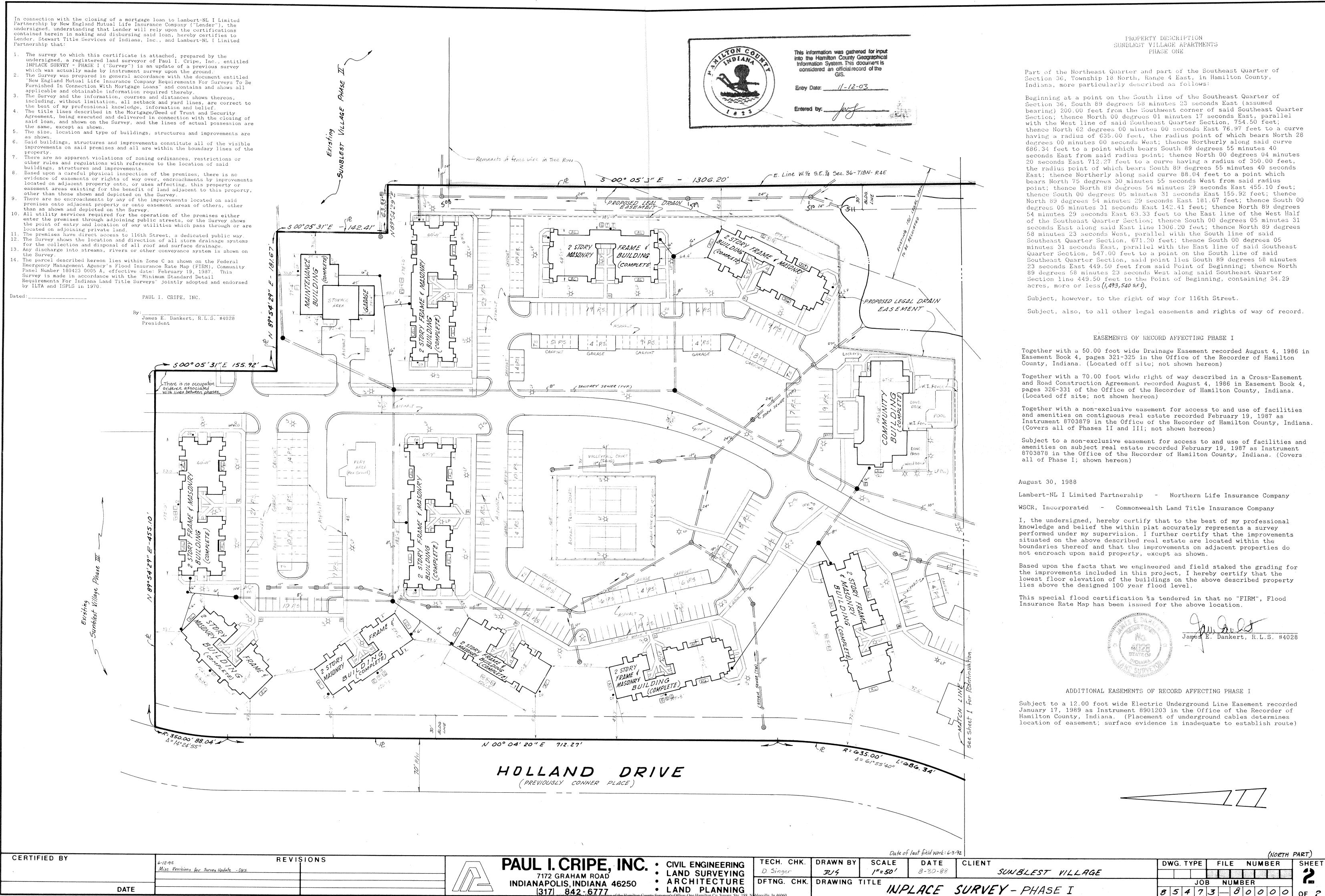
5. Contractor shall install all sanitary sewers, storm sewers, subsurface drains, and water mains. Straw bale filters shall be installed at all storm inlets (including street inlets).

All proposed street areas shall be paved as soon as possible after subgrade is prepared.

7. All disturbed areas shall be seeded and mulched as specified below. This shall include all building pad fill areas.

8. Contractor shall remove all temporary erosion and sediment cover to prevent further erosion.





June 1992 Update: 8 5473 - 80400

85473-80000

