

Drain: SPRINGWOOD DRAIN **Drain #:** 326

Improvement/Arm: SPRINGWOOD-SECTION 1

Operator: JPH **Date:** 6-3-04

Drain Classification: Urban/Rural **Year Installed:** 2000

GIS Drain Input Checklist

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

Gasb 34 Footages for Historical Cost
Drain Length Log

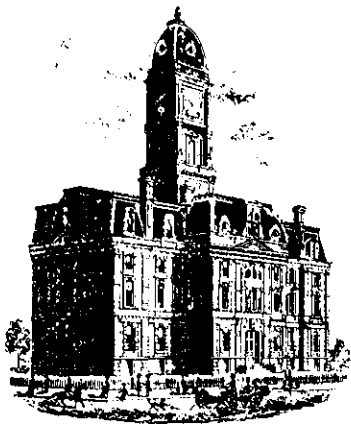
Drain-Improvement: SPRINGWOOD DRAIN - SPRING WOOD - SECTION 1

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
SSD	6"	1100'	1100'	Ø		
	10"	1200'	1200'	Ø		
DUCTILE IRON	6"	39'	39'	Ø		
RCP	18"	445'	445'	Ø		
	48"	279'	279'	Ø		

Sum: 3123' 3123' Ø

Final Report: _____

Comments:



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

Suite 188

One Hamilton County Square

Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

October 18, 2000

Re: Springwood Drain

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Springwood Drain. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable; will improve the public health; benefit a public highway and be of public utility; and that the costs, damages, and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

6" Ductile Iron	40 ft	18" RCP	356 ft
6" SSD	1,100 ft	48" RCP	285 ft
10" RCP	1,200 ft	Open Ditch	60 ft

The total length of the drain will be 3,041 feet.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs. Only the main SSD lines which are located within the right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain.

The open ditch listed above is that portion between the storm sewer outfall and Williams Creek. A portion of this open ditch, approximately 30 feet, is on the adjoining property, tract 17-13-03-00-00-011.000, The Nature Conservancy. The open ditch erosion control measures on this tract will be maintained.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a

maintenance assessment of \$150.00 per lot, \$300.00 for Common Area A. With this assessment the total annual assessment for this drain/this section will be \$1,200.00.

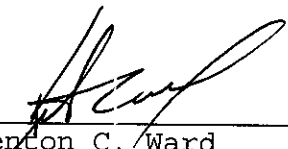
Parcels assessed for this drain may be assessed for the Collins-Osborn or Williams Creek Drain at sometime in the future.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. This request is for the reduction of the regulated drain easement to those widths as shown on the secondary plat for Springwood as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 27, 2000.

KCW/kkw



Kenton C. Ward
Hamilton County Surveyor



SUBDIVISION IMPROVEMENTS
PERFORMANCE BOND

FILE COPY 0453

BOND NO. 885609S

KNOW ALL MEN BY THESE PRESENTS:

THAT we, Springwood Development, as Principal, and DEVELOPERS SURETY AND INDEMNITY COMPANY, a corporation organized and doing business and under and by virtue of the laws of the State of Iowa and duly licensed to conduct surety business in the State of Indiana, as Surety, are held and firmly bound unto Hamilton County, Indiana Board of Commissioners

as Obligee, in the sum of Seventy Three Thousand Seven Hundred Fifty Eight & No/100 (\$ 73,758.00) Dollars, for which payment, well and truly to be made, we bind ourselves, our heirs, executors and successors, jointly and severally firmly by these presents.

THE CONDITION OF THE OBLIGATION IS SUCH THAT:

WHEREAS, the above named Principal, has agreed to construct in Springwood Subdivision, in Carmel, IN the following improvements: Storm drains, storm sewers, underdrains, and erosion control PER ORDINANCE #4-16-90 B

NOW, THEREFORE, the condition of this obligation is such, that if the above Principal shall well and truly perform said agreement or agreements during the original term thereof or of any extension of said term that may be granted by the Obligee with or without notice to the Surety, this obligation shall be void, otherwise it shall remain in full force and effect.

IN WITNESS WHEREOF, the seal and signature of said Principal is hereto affixed and the corporate seal and the name of the said Surety is hereto affixed and attested by its duly authorized Attorney-in-Fact, this 8th day of June, 2000 YEAR.

Springwood Development Principal

BY: Quane Haley

DEVELOPERS SURETY AND INDEMNITY COMPANY

BY: Cynthia L. Jenkins Cynthia L. Jenkins Attorney-in-Fact

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: **SPRINGWOOD SUBDIVISION**

I hereby certify that:

1. I am a Registered Land Surveyor or Engineer in the State of Indiana .
2. I am familiar with the plans and specifications for the above referenced subdivision .
3. I have personally observed and supervised the completion of the drainage facilities for the above referenced subdivision .
4. The drainage facilities within the above referenced subdivision to the best of my knowledge , information and belief have been installed and completed in conformity with all plans and specifications .

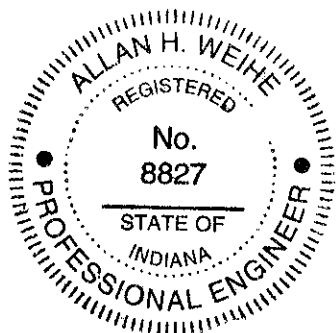
Signature: *Allan H. Weihe* Date: *March 28, 2001*

Type or Print Name: ALLAN H. WEIHE

Business Address: 10505 N. COLLEGE AVE
INDIANAPOLIS IN 46280

Telephone Number: 317 - 846 - 6611

SEAL



INDIANA REGISTRATION NUMBER

8827

FILED
MAR 30 2001
HAMILTON COUNTY SURVEYOR



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

Suite 188

One Hamilton County Square
Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

April 29, 2003

Re: Springwood Drain: Sec. 1 Arm

Attached are as-builts, certificate of completion & compliance, and other information for Springwood Sec. 1. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated October 18, 2000. The report was approved by the Board at the hearing held November 27, 2000. (See Drainage Board Minutes Book 5, Pages 506-507) The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original:	Difference:
701	836.22	824.92				
702	832.32	824.82	48	111	110	1
702	832.32	824.82				
703	833.73	825.13	48	43		
703	833.73	825.13				
704	833.75	824.96	48	20		
704	833.75	824.96				
705	830.9	825.1	48	45	42	3
705	830.9	825.1				
706	832.62	825.12	48	42	45	-3
706	832.62	825.12				
707	832.17	824.87	48	18	15	3
707	832.17	824.87				
708	828.85	820.6	6" Ductile	39	40	
708	828.85	820.6				
709	821.68	818.08	18	88	87	1
709	821.68	818.08				
710	817.21	813.71	18	120		
710	817.21	813.71				
711	813.2	812.05	18	37	35	2
712	831.38	828.08				
708	828.85	820.6	18	200	201	-1

6" SSD	1100
10" SSD	1200
18 RCP	445
48 RCP	279
6" DUCTILE IRON	39

Open Ditch	60
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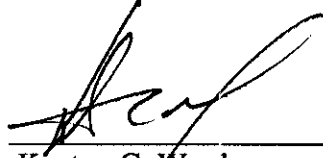
The length of the drain due to the changes described above is now **3123 feet**.

The non-enforcement was approved by the Board at its meeting on November 27, 2000 and recorded under instrument #200000061206.

The bond or letter of credit from Developers Surety & Indemnity Co, number 885609S; dated June 8, 2000; in the amount of \$73,758; was released May 14, 2001.

I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

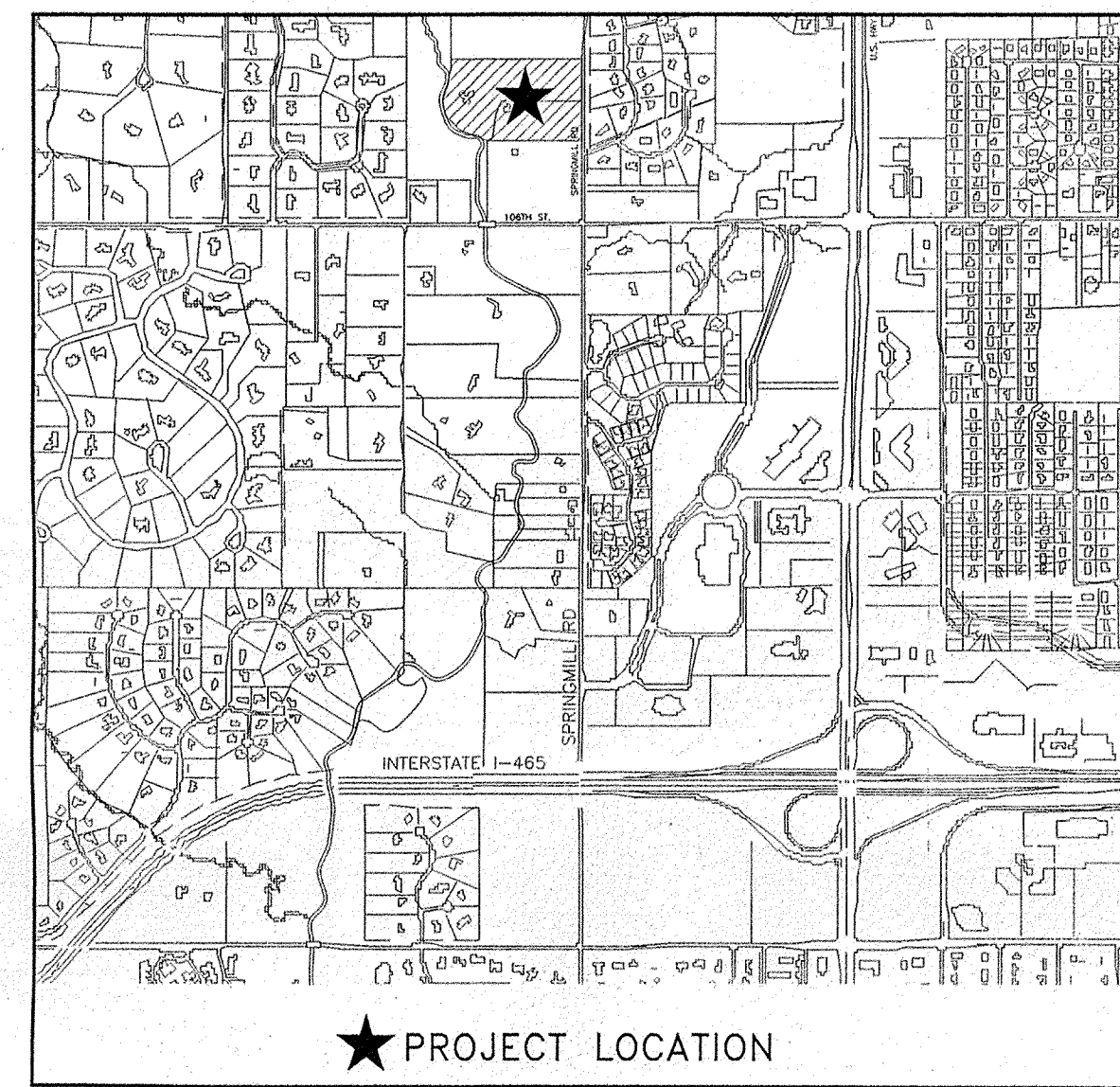
SANITARY & STORM SEWER AS-BUILT PLANS FOR SPRINGWOOD SUBDIVISION BY SCM DEVELOPMENT, INC. SPRINGMILL ROAD CARMEL, INDIANA

PLANS PREPARED FOR:

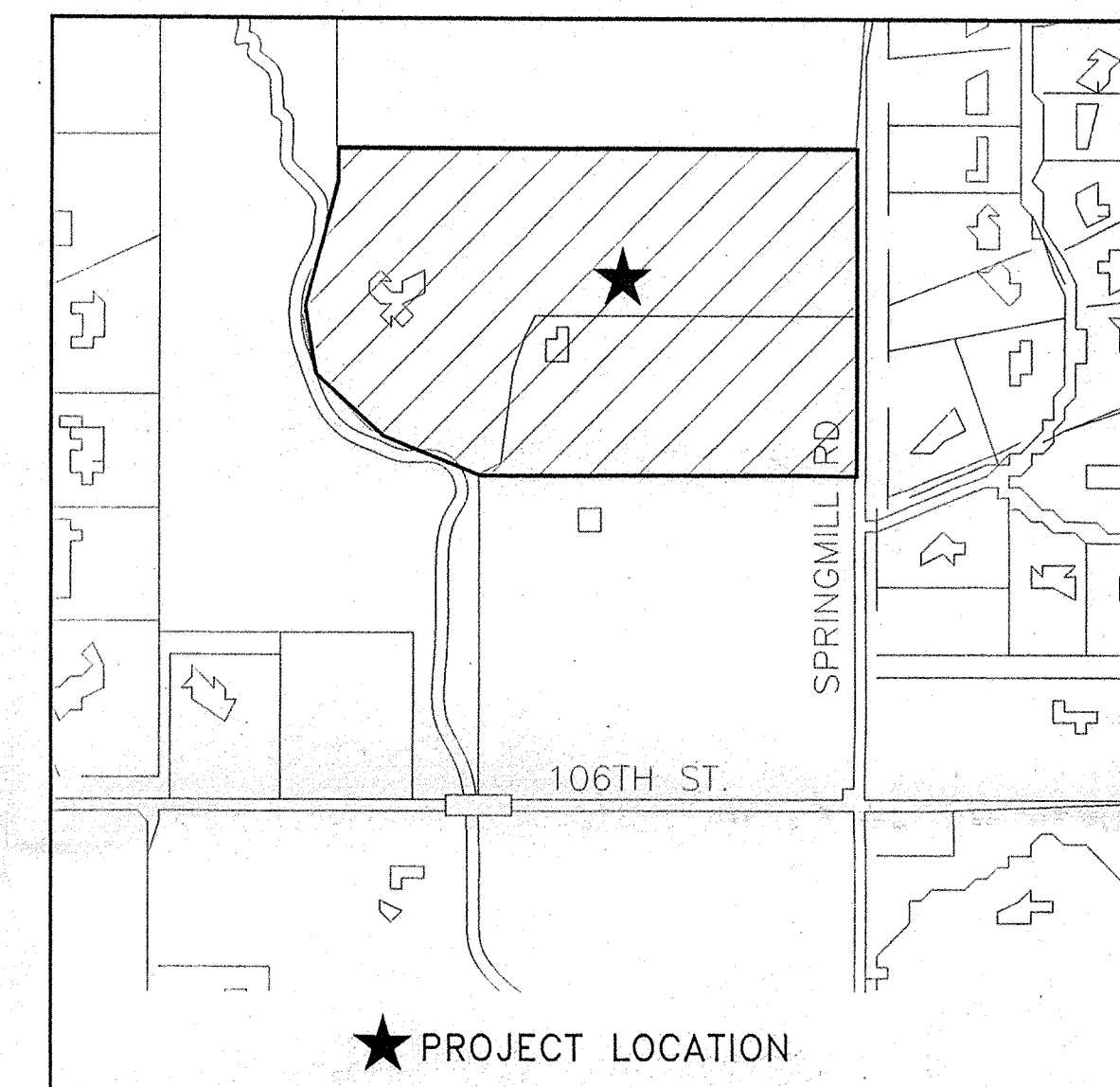
SCM DEVELOPMENT, INC.
90 EXECUTIVE DRIVE, SUITE H
CARMEL, INDIANA 46032
TELEPHONE: (317) 814-5400
FAX: (317) 814-5200
CONTACT PERSON: DUKE HALEY

PLANS PREPARED BY:

WEIHE ENGINEERS, INC.
10505 N. COLLEGE AVE.
INDIANAPOLIS, IN 46280
TELEPHONE: (317) 846-6611
FAX: (317) 843-0546
CONTACT PERSON: GREG RASMUSSEN



★ PROJECT LOCATION
AREA MAP



★ PROJECT LOCATION
SITE LOCATION MAP

INDEX	
SHEET NO.	DESCRIPTION
T1	TITLE SHEET
C1	EXISTING CONDITIONS PLAN
C2	SITE DEVELOPMENT PLAN
C3	SITE DEVELOPMENT PLAN - OFF SITE SANITARY SEWER
C4	STREET PLAN & PROFILE SHEET
C5	STORM SEWER PLAN & PROFILE SHEET
C6	OFF-SITE SANITARY SEWER PLAN & PROFILE SHEET
C7	SANITARY SEWER PLAN & PROFILE SHEET
C8	EROSION CONTROL PLAN
C9	MAINTENANCE OF TRAFFIC PLAN
C10	IWC PLAN
C11	IWC DETAILS
C12	IWC SPECIFICATIONS
C13	SITE CONSTRUCTION DETAILS
C14	HAMILTON COUNTY STANDARD DETAILS
C15	SITE CONSTRUCTION SPECIFICATIONS

CITY OF CARMEL

OPERATING AUTHORITIES:

INDIANA GAS COMPANY POST OFFICE BOX 1700 NOBLESVILLE IN 46060 TELEPHONE: (317) 776-5597	CLAY TOWNSHIP REGIONAL WASTE POST OFFICE BOX 40638 INDIANAPOLIS, IN 46240 TELEPHONE: (317) 844-9200	HAMILTON COUNTY SURVEYOR ONE HAMILTON COUNTY SQUARE, SUITE 146 NOBLESVILLE IN 46060 TELEPHONE: (317) 776-8495
OFFICE OF FIRE CHIEF 2 CIVIC SQUARE INDIANAPOLIS, INDIANA 46220 TELEPHONE: (317) 571-2600	CARMEL/CLAY SCHOOLS 5201 EAST 131ST STREET CARMEL, IN 46032 TELEPHONE: (317) 844-9961	HAMILTON COUNTY SOIL & WATER CONSERVATION DISTRICT 925 DIVISION STREET, ROOM 301 NOBLESVILLE IN 46060 TELEPHONE: (317) 773-1432
CARMEL POLICE DEPARTMENT 3 CIVIC SQUARE CARMEL, IN 46032 TELEPHONE: (317) 571-2500	OFFICE OF CITY ENGINEER 1 CIVIC SQUARE CARMEL, IN 46032 TELEPHONE: (317) 571-2414	HAMILTON COUNTY HIGHWAY DEPARTMENT 1717 PLEASANT STREET NOBLESVILLE IN 46060 TELEPHONE: (317) 773-7770
HAMILTON CO. SHERIFF DEPARTMENT 18100 CUMBERLAND ROAD INDIANAPOLIS, IN 46206-1595 TELEPHONE: (317) 773-1872	INDIANAPOLIS POWER & LIGHT POST OFFICE BOX 1595 INDIANAPOLIS, IN 46206-1595 TELEPHONE: (317) 261-8222	INDIANAPOLIS WATER COMPANY P.O. BOX 1220 INDIANAPOLIS IN 46202 TELEPHONE: (317) 263-6347
CARMEL COMMUNICATIONS DEPARTMENT 31 FIRST AVE. N.W. CARMEL, IN 46032 TELEPHONE: (317) 571-2580	CARMEL CLAY PARKS & RECREATION 1 CIVIC SQUARE CARMEL, IN 46032 TELEPHONE: (317) 848-7275	

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"IT'S THE LAW"
INDIANA UNDERGROUND PROTECTION SERVICE, INC.

INDIANA STATE DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS LATEST EDITION TO BE
USED WITH THESE PLANS.

BENCHMARK INFORMATION

DNR CONTROL STATION TABLET STAMOED "HAM 65 1989", SET IN THE SW CORN. WINGWALL OF THE W. 106TH STREET BRIDGE OVER WILLIAMS CREEK, 16.5' S. OF THECL OF P.W.M.T., 2.5' N. OF THE S. END OF THE WINGWALL, LEVEL WITH THE ROADWAY.
ELEVATION: 821.461

- GENERAL NOTES:
- ALL STORM SEWERS SHALL BE CONSTRUCTED WITH REINFORCED CONCRETE PIPE CLASS III OR AS NOTED AND CONFORM TO A.S.T.M. C-76 OR LATEST REVISION. ALL MANHOLES SHALL BE PRE-CAST CONCRETE CONSTRUCTION IN ACCORDANCE WITH STATE OF INDIANA SPECIFICATIONS AND SHALL HAVE TYPE "A" CAST IRON RING AND COVER.
 - JOINTS IN SEWER PIPE SHALL CONFORM TO A.S.T.M. SPECIFICATION C-425 OR LATEST REVISION.
 - SEWER PIPE SHALL BE BEDDED IN ACCORDANCE WITH DETAIL SHOWN. SEWER TRENCHES SHALL BE KEPT FREE OF ALL WATER. DO NOT ALLOW WATER OR MUD TO ENTER THE SEWER.
 - ALL PIPE OR DRAINAGE STRUCTURES IN TRENCHES UNDER PAVED SURFACES AND WITHIN 10 FEET OF THE PAVEMENT SHALL BE BACK FILLED WITH GRANULAR MATERIAL AND COMPACTED BY APPROVED METHODS.
 - NO ROOF DRAINS, FOOTING DRAINS AND / OR SURFACE WATER DRAINS MAY BE CONNECTED TO THE SANITARY SEWER SYSTEM, INCLUDING TEMPORARY CONNECTIONS DURING CONSTRUCTION.
 - SEWERS CROSSING MAINS SHALL BE LAID TO PROVIDE MINIMUM DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS. WHERE WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN. WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS STIPULATED ABOVE, THE SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER PIPE AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.
 - ALL WATER MAINS TO BE PRESSURE TESTED FOR LEAKAGE AND STERILIZED IN ACCORDANCE WITH DIRECTIONS FROM INDIANAPOLIS WATER COMPANY.
 - NO TRAFFIC WILL BE ALLOWED ON PREPARED SUB-GRADE PRIOR TO PAVING.
 - ALL STREET CONSTRUCTION WITHIN THE LINES OF DEDICATED RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF HAMILTON COUNTY HIGHWAY DEPARTMENT.
 - PROPERTY LINE CORNERS OF STREET INTERSECTIONS ARE ROUNDED BY AN ARC HAVING A 20' RADIUS. PROPERTY LINES DRAWN HEREON ARE CARRIED TO THE P.I. OF THE ARC.
 - A TEMPORARY SEEDING MIXTURE IN THE AREAS WHERE STRIPPING OF FILLS HAVE BEEN GRADED SHALL BE SEEDING FOR SILT AND EROSION PROTECTION. AFTER GRADING ALL CONSTRUCTION AREAS ARE TO BE SEEDING AS FOLLOWS:
 - A. SWALE SEEDING: SEED AND FERTILIZE WITHIN CONSTRUCTION LIMITS WITH 5#/ACRE "REDTOP" GRASS, 20#/ACRE "RYE GRASS", 20#/ACRE "BLUE GRASS", 25#/ACRE "TALL FESCUE" GRASS, AND 600#/ACRE 12-12-12 FERTILIZER.
 - B. CUT/FILL SEEDING: SEED AND FERTILIZE WITHIN CONSTRUCTION LIMITS WITH 25#/ACRE "TALL FESCUE" GRASS, 20#/ACRE "RYE GRASS", 15#/ACRE "BLUE GRASS", AND 600#/ACRE 12-12-12 FERTILIZER.
 - THE LOCATION OF HOUSES (DEPICTED BY RECTANGLES) SHOW THE PAD ELEVATION AND/OR OUTSIDE GRADE. THE FINISHED FLOOR ELEVATION IS 8 INCHES GREATER, MORE OR LESS THAN THE OUTSIDE GRADE.
 - IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO HIS PHASE OF THE WORK. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES BEFORE WORK IS STARTED. THE CONTRACTOR SHALL NOTIFY IN WRITING THE OWNERS AND/OR THE ENGINEERS OF ANY CHANGES, ERRORS, OR OMISSIONS FOUND ON THESE PLANS OR IN THE FIELD BEFORE WORK IS STARTED OR RESUMED.
 - CONTRACTOR TO RECORD DIMENSIONS MEASURED ALONG SEWER LINE FROM NEAREST MANHOLE TO EACH SANITARY SEWER LATERAL.
 - CONTRACTOR TO RECORD DIMENSION OF EACH WATER STUB FROM NEAREST FIRE HYDRANT MEASURED ALONG THE WATER MAIN.
 - THE ABOVE LOCATIONS OF LATERALS, ALONG WITH ANY OTHER CONSTRUCTION CHANGES ARE TO BE INCORPORATED ON THE ORIGINAL CONSTRUCTION DRAWINGS AND RECORD DRAWINGS SUBMITTED TO THE CITY ENGINEER'S OFFICE AS SOON AFTER COMPLETION OF CONSTRUCTION AS POSSIBLE.
 - CONTRACTOR SHALL VERIFY SUBSURFACE CONDITIONS PRIOR TO BIDDING.
 - THE ENGINEER DISCLAIMS ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
 - NO SPRINKLER SYSTEMS SHALL BE PLACED WITHIN THE RIGHT OF WAY WITHOUT OBTAINING A PERMIT FROM THE HAMILTON COUNTY HIGHWAY DEPARTMENT. THE HIGHWAY DEPARTMENT RESERVE THE RIGHT TO DENY A PERMIT TO INSTALL SPRINKLER SYSTEMS WITHIN THE RIGHT OF WAY.
 - ALL ELECTRICAL LIGHT POSTS MUST BE SET BACK IN THE DESIGNATED UTILITY EASEMENT AS SHOWN IN THE CONSTRUCTION PLANS. ANY LIGHTS WHICH ARE INSTALLED WITHIN THE DEDICATED RIGHT OF WAY SHALL BE REMOVED OR RELOCATED AT THE DEVELOPER'S EXPENSE.
 - ALL CONSTRUCTION OPERATIONS MUST BE WITHIN THE APPROVED CONSTRUCTION DRAWINGS. VARIANCES FROM THE CONSTRUCTION DRAWING MUST BE APPROVED BY THE APPROPRIATE DEPARTMENT BEFORE IT IS CONSTRUCTED IN THE FIELD. ALL UNAUTHORIZED ITEMS WHICH ARE NOT CONSTRUCTED AS SHOWN IN THE APPROVED DRAWINGS MAY RESULT IN THE REMOVAL AND RECONSTRUCTION OF THE ITEM(S).
 - NO DECORATIVE SIGNS, SPRINKLER SYSTEMS, TREES OR OTHER SUCH AMENITIES ARE PERMITTED IN THE RIGHT OF WAY.
 - ALL DRAINAGE PIPE AND DITCH OUTFALLS TO RECEIVING STREAMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DRAWINGS, SUBJECT HOWEVER TO ANY MODIFICATION ORDERED BY THE COUNTY DRAINAGE BOARD AT THE TIME INSTALLATION IS COMPLETED AND TO ANY ADJUSTMENTS NEEDED FOR FIELD CONDITIONS THAT COULD NOT BE ANTICIPATED ON THE DESIGN DRAWINGS.
 - THE SITE DOES NOT PARTIALLY WITHIN A SPECIAL FLOOD HAZARD ZONE AS ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY - NATIONAL FLOOD INSURANCE PROGRAM, WHEN PLOTTED BY SCALE, ON FLOOD INSURANCE RATE MAP 180081 0012 C DATED MAY 19, 1981.

RECORD (AS BUILT) DRAWINGS FOR SANITARY & STORM SEWERS
THESE RECORD DRAWINGS HAVE BEEN PREPARED FROM FIELD DATA DURING AND AFTER THE PERIOD OF CONSTRUCTION AND/OR IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT OF INFORMATION FURNISHED BY OTHERS.
PREPARED BY: WEIHE ENGINEERS, INC.
DATE: DECEMBER 7, 2000

REVISIONS

SHEET NO.	DESCRIPTION	DATE
ALL	UPDATE PLANS	3-27-2000
ALL	GENERAL REVISIONS	5-10-2000
C3,C4,C5,C7,C8,C9,C10	UPDATED PLANS PER HAMILTON CO. SURVEYOR'S COMMENTS	6-30-2000
C3,C6,C7	SANITARY SEWER REVISION PER HAMILTON COUNTY HIGHWAY	7-17-2000
C2,C3,C5,C6,C7	STORM AND SANITARY ASBULTS	12-7-2000

WEIHE ENGINEERS, INC.
10505 NORTH COLLEGE AVENUE
INDIANAPOLIS, INDIANA 46280
TELEPHONE: (317) 846-6611
FAX: (317) 843-0546
ALLAN H. WEIHE, P.E., L.S.
MICHAEL L. DUBOY, L.S.
VICE - PRESIDENT
LANDSCAPE ARCHITECTS
CIVIL ENGINEERS • LAND SURVEYORS • LAND PLANNERS

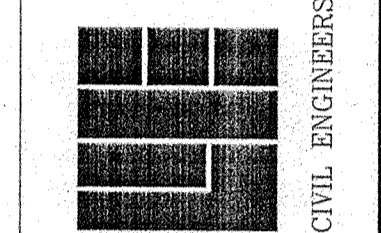
SCM DEVELOPMENT, INC.
18100 CUMBERLAND ROAD
INDIANAPOLIS, INDIANA 46206-1595
TELEPHONE: (317) 773-1872
TITLE SHEET
PART OF SR 14, SEC 3, T7N, R9E, HAMILTON COUNTY, INDIANA

PROJECT NO.: 00-000-000
DRAWN BY: JAC
CHECKED BY: JAC
DATE: 1-16-2000

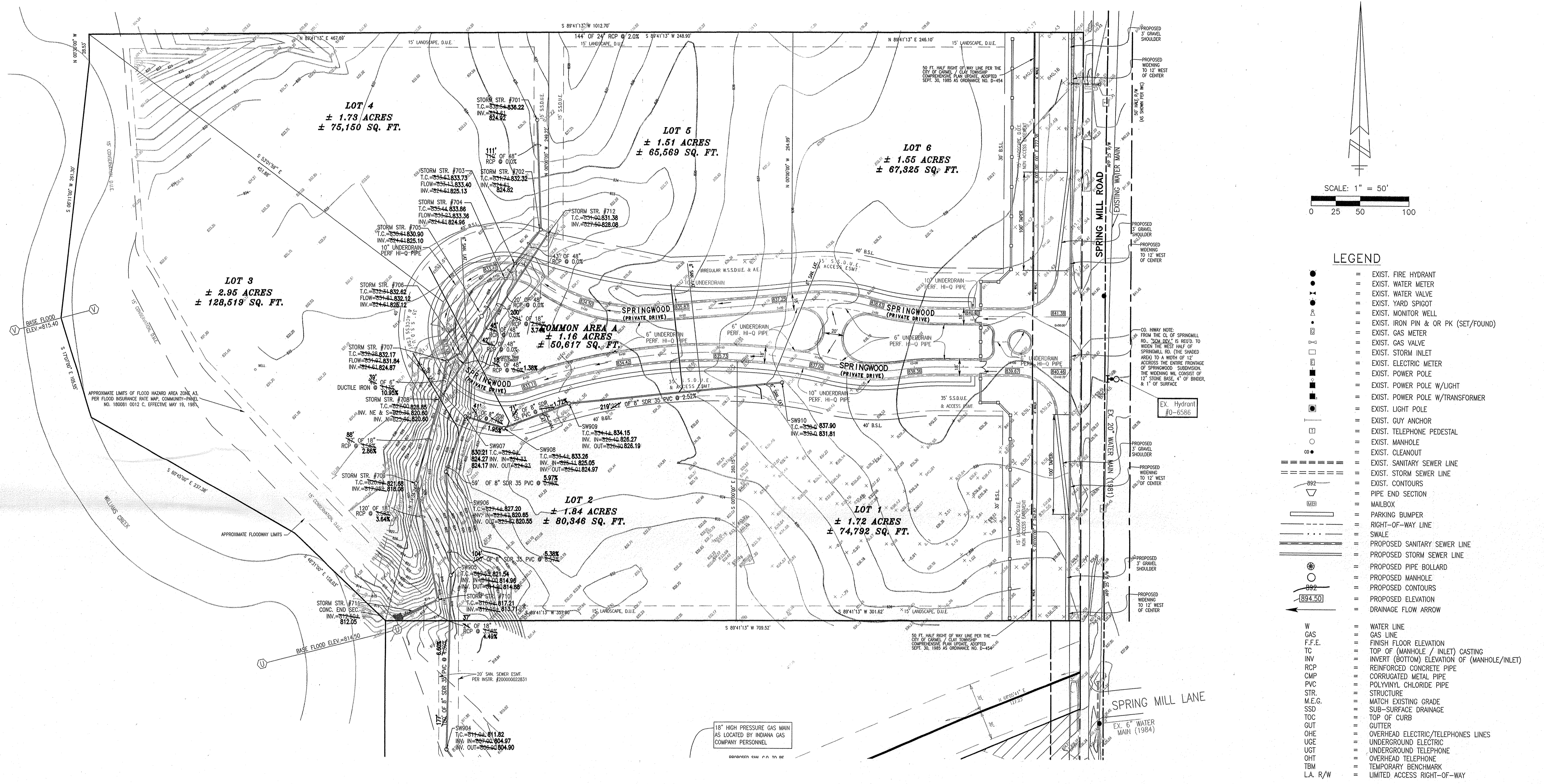
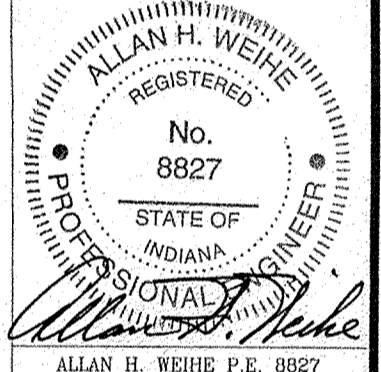
GENERAL REVISIONS:
UPDATED PLANS PER HAMILTON CO. SURVEYOR'S COMMENTS 6-30-00
SANITARY SEWER REVISION PER HAMILTON COUNTY HIGHWAY 7-17-00
STORM AND SANITARY ASBULTS 12-7-00

REGISTERED PROFESSIONAL ENGINEER
ALLAN H. WEIHE, P.E. 8827
STATE OF INDIANA

PREPARED FOR:
SCM DEVELOPMENT, INC.
18100 CUMBERLAND ROAD
INDIANAPOLIS, INDIANA 46206-1595
TELEPHONE: (317) 773-1872



PROJECT NO. 990165
 DATE 12-14-00
 DRAWN BY J.C.C.
 CHECKED BY G.L.
 DATE 3-16-2000



- LEGEND**
- = EXIST. FIRE HYDRANT
 - = EXIST. WATER METER
 - = EXIST. WATER VALVE
 - = EXIST. YARD SPIGOT
 - = EXIST. MONITOR WELL
 - = EXIST. IRON PIN & OR PK (SET/FOUND)
 - = EXIST. GAS METER
 - = EXIST. GAS VALVE
 - = EXIST. STORM INLET
 - = EXIST. ELECTRIC METER
 - = EXIST. POWER POLE
 - = EXIST. POWER POLE W/LIGHT
 - = EXIST. POWER POLE W/TRANSFORMER
 - = EXIST. LIGHT POLE
 - = EXIST. GUY ANCHOR
 - = EXIST. TELEPHONE PEDESTAL
 - = EXIST. MANHOLE
 - = EXIST. CLEANOUT
 - = EXIST. SANITARY SEWER LINE
 - = EXIST. STORM SEWER LINE
 - = EXIST. CONTOURS
 - = PIPE END SECTION
 - = MAILBOX
 - = PARKING BUMPER
 - = RIGHT-OF-WAY LINE
 - = SWALE
 - = PROPOSED SANITARY SEWER LINE
 - = PROPOSED STORM SEWER LINE
 - = PROPOSED PIPE BOLLARD
 - = PROPOSED MANHOLE
 - = PROPOSED CONTOURS
 - = PROPOSED ELEVATION
 - = DRAINAGE FLOW ARROW
 - = WATER LINE
 - = GAS LINE
 - = FINISH FLOOR ELEVATION
 - = TOP OF (MANHOLE / INLET) CASTING
 - = INVERT (BOTTOM) ELEVATION OF (MANHOLE/INLET)
 - = REINFORCED CONCRETE PIPE
 - = CORRUGATED METAL PIPE
 - = POLYVINYL CHLORIDE PIPE
 - = STRUCTURE
 - = MATCH EXISTING GRADE
 - = SUB-SURFACE DRAINAGE
 - = TOP OF CURB
 - = GUTTER
 - = OVERHEAD ELECTRIC/TELEPHONES LINES
 - = UNDERGROUND ELECTRIC
 - = UNDERGROUND TELEPHONE
 - = OVERHEAD TELEPHONE
 - = TEMPORARY BENCHMARK
 - = LIMITED ACCESS RIGHT-OF-WAY

RECORD (AS BUILT) DRAWINGS FOR SANITARY & STORM SEWERS
 THESE RECORD DRAWINGS HAVE BEEN PREPARED FROM DATA DURING AND AFTER THE PERIOD OF CONSTRUCTION AND/OR IN PART, ON THE BASIS OF INFORMATION COMPILED OR FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT OF INFORMATION FURNISHED BY OTHERS.
 PREPARED BY: WEIHE ENGINEERS, INC.
 DATE: DECEMBER 7, 2000

PIPELINE LOCATIONS & DEPTHS ARE APPROXIMATE & MUST BE VARIFIED IN THE FIELD BEFORE ANY CONSTRUCTION BEGINS

DANGER! USE EXCESSIVE CAUTION!
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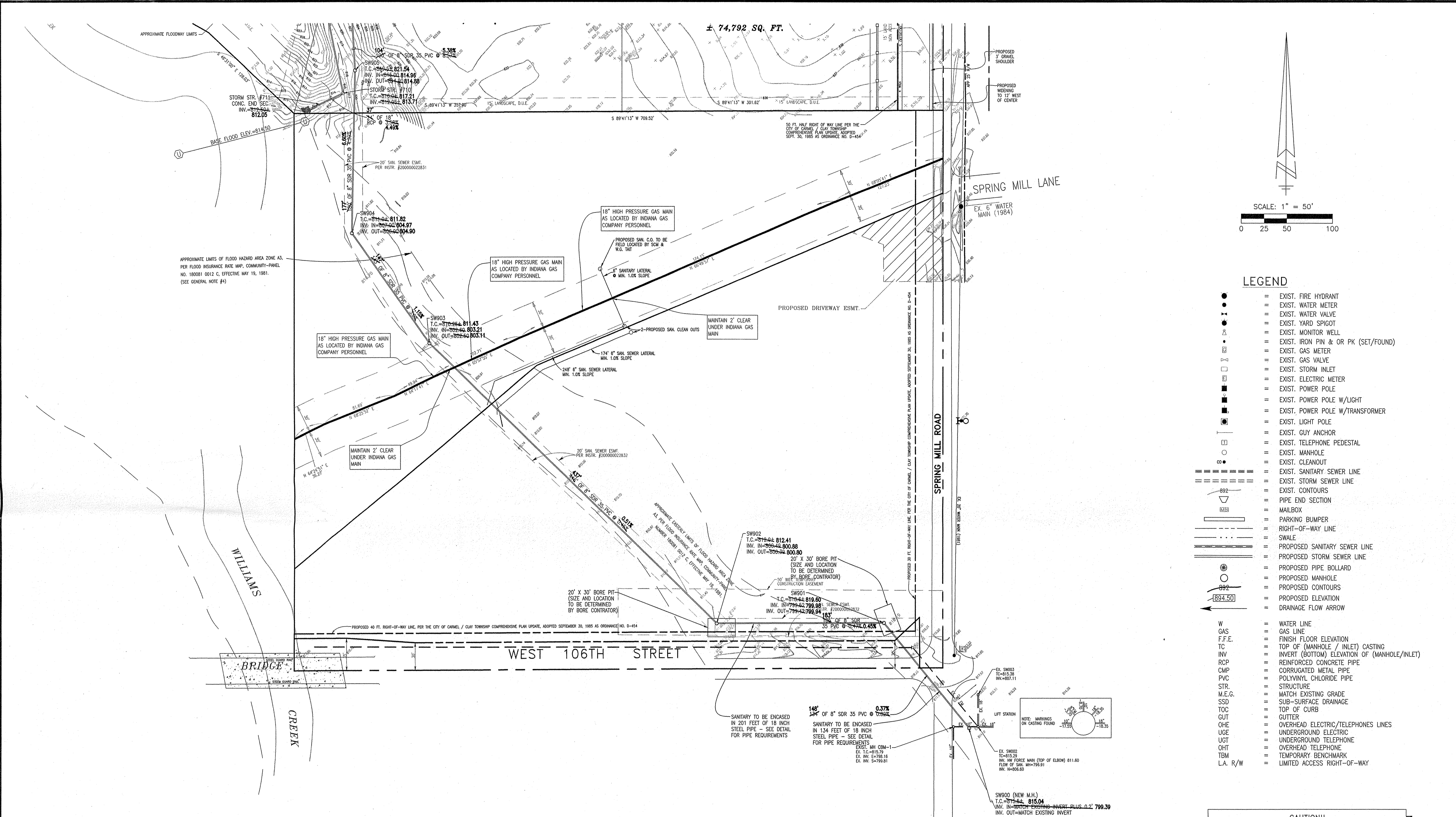
SANITARY NOTE:
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SANITARY SEWER STRUCTURE TABLE (800)

STRUCTURE NUMBER	TOP OF CASTING	INVERT (IN)	INVERT (OUT)
EXIST. M.H. C&M 1			
SW900	815.04	799.39	
SW901	819.60	799.52	799.94
SW902	812.41	800.49	800.88
SW903	811.43	803.21	803.11
SW904	811.82	804.97	804.90
SW905	821.54	814.96	814.88
SW906	827.20	820.65	820.55
SW907	830.21	824.27	824.17
SW908	833.26	825.05	824.97
SW909	834.15	826.27	826.19
SW910	837.90	826.27	831.81

STORM SEWER STRUCTURE TABLE (700)

STRUCTURE NUMBER	STRUCTURE TYPE	CASTING TYPE	TOP OF CASTING	INVERT
701	60" MANHOLE	NEENAH R-2573	836.50+/- 836.22	824.61 824.92
702	60" MANHOLE	NEENAH R-2573	831.70+/- 832.32	824.61 824.82
703	60" MANHOLE	NEENAH R-3501-N	833.44 833.73	824.61 825.13
704	60" MANHOLE	NEENAH R-3286-BV	833.73 833.86	824.61 824.96
705	60" MANHOLE	NEENAH R-2554	836.61 830.90	824.61 825.10
706	60" MANHOLE	NEENAH R-3286-BV	832.31 832.62	824.61 825.12
707	60" MANHOLE	NEENAH R-3501-N	832.28 832.17	824.61 824.87
	DETENTION BASIN			
	OUTLET (SEE DETAIL)			
708	48" MANHOLE	NEENAH R-2573	827.04/- 828.85	826.46 820.60
709	BOX INLET	NEENAH R-2554	826.04/- 821.68	817.25 818.08
710	BOX INLET	NEENAH R-2554	816.04/- 817.21	812.05 813.71
711	C.E.S.	N/A	N/A	812.50 812.05
712	BOX INLET	NEENAH R-2573	831.00 831.38	827.50 828.08



WEIHE ENGINEERS, INC.
 10505 NORTH COLLEGE AVENUE
 HAMILTON COUNTY, INDIANA 46015
 TOLL-FREE (800) 452-6408
 FAX (317) 843-0546
 ALLAN H. WEIHE, P.E., L.S.
 PRESIDENT
 JAMES M. PARSONS, L.S.
 VICE-PRESIDENT
 LAND PLANNERS
 LAND SURVEYORS
 LANDSCAPE ARCHITECTS

LEGEND

- = EXIST. FIRE HYDRANT
- = EXIST. WATER METER
- = EXIST. WATER VALVE
- = EXIST. YARD SPIGOT
- = EXIST. MONITOR WELL
- = EXIST. IRON PIN & OR PK (SET/FOUND)
- = EXIST. GAS METER
- = EXIST. GAS VALVE
- = EXIST. STORM INLET
- = EXIST. ELECTRIC METER
- = EXIST. POWER POLE
- = EXIST. POWER POLE W/LIGHT
- = EXIST. POWER POLE W/TRANSFORMER
- = EXIST. LIGHT POLE
- = EXIST. GUY ANCHOR
- = EXIST. TELEPHONE PEDESTAL
- = EXIST. MANHOLE
- = EXIST. CLEANOUT
- = EXIST. SANITARY SEWER LINE
- = EXIST. STORM SEWER LINE
- = EXIST. CONTOURS
- = PIPE END SECTION
- = MAILBOX
- = PARKING BUMPER
- = RIGHT-OF-WAY LINE
- = SWALE
- = PROPOSED SANITARY SEWER LINE
- = PROPOSED STORM SEWER LINE
- = PROPOSED PIPE BOLLARD
- = PROPOSED MANHOLE
- = PROPOSED CONTOURS
- = PROPOSED ELEVATION
- = DRAINAGE FLOW ARROW

ALLAN H. WEIHE
 REGISTERED PROFESSIONAL ENGINEER
 No. 8827
 STATE OF INDIANA
 ALLAN H. WEIHE P.E. 8827

SCM DEVELOPMENT, INC.
 2007 SPRINGMILL ROAD
 HAMILTON COUNTY, INDIANA 46015
SITE DEVELOPMENT PLAN - OFF SITE SANITARY SEWER

SANITARY SEWER STRUCTURE TABLE (900)

STRUCTURE NUMBER	TOP OF CASTING	INVERT (IN)	INVERT (OUT)
EXIST. MH			
CBM			
SW900	815.04	799.39	
SW901	819.60	799.52	799.94
SW902	812.41	800.49	800.80
SW903	811.82	803.21	803.11
SW904	811.82	804.97	804.90
SW905	821.54	814.96	814.88
SW906	827.20	820.65	820.55
SW907	830.21	824.27	824.17
SW908	833.26	825.01	824.97
SW909	834.15	826.27	826.19
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	DETENTION BASIN			
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712	BOX INLET	NEENAH R-2573	831.00 831.38	827.50 828.08

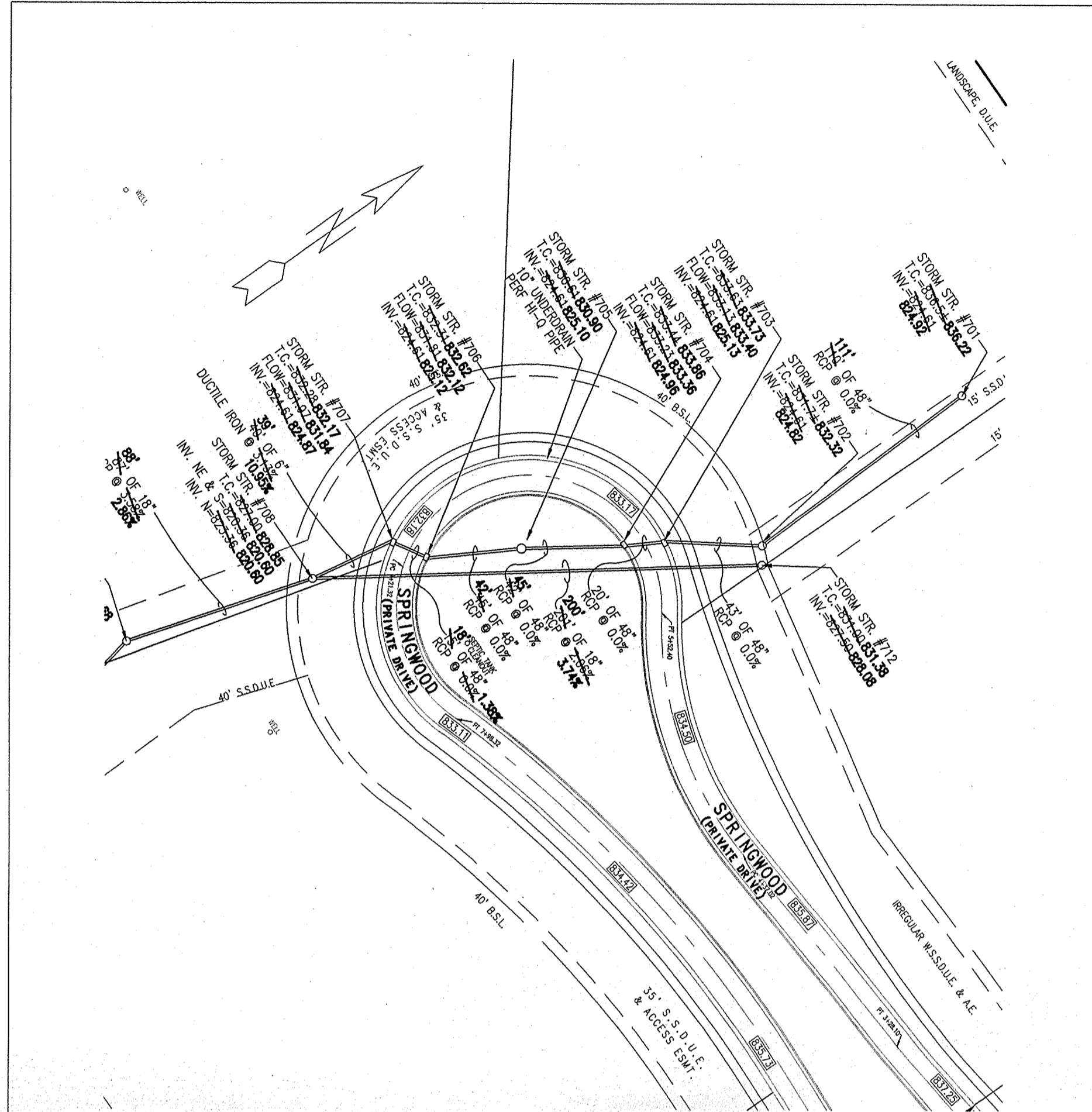
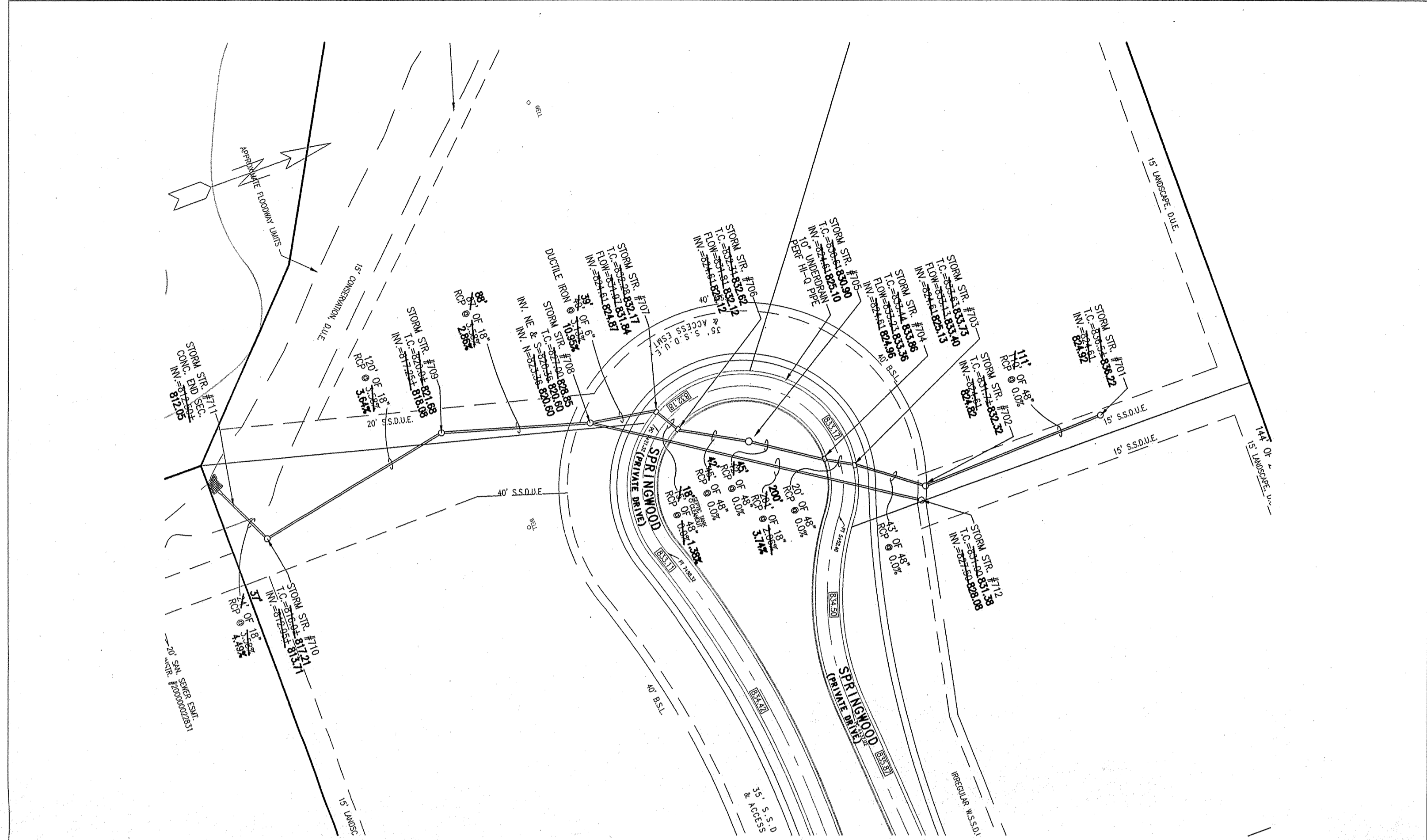
RECORD (AS BUILT) DRAWINGS FOR SANITARY & STORM SEWERS
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 PREPARED BY: WEIHE ENGINEERS, INC.
 DATE: DECEMBER 7, 2000

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 TOLL FREE

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C3

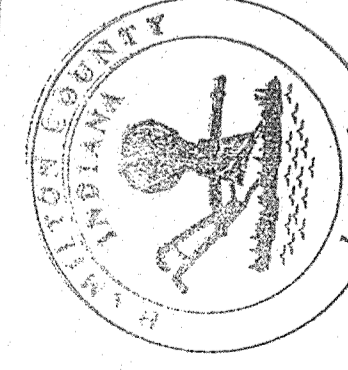


Station	840	835	830	825	820	815	810	805	800	795
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0+50										
1+00										
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2+00										
2+50										
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4+50										
5+00										
5+50										

Station	840	835	830	825	820	815	810	805	800	795
0+00										
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This information was gathered for input into the Hamilton County Geographical Information System (GIS) and is considered an official record of the GIS.
 Entry Date: 6/3/01
 Entered by: JPH



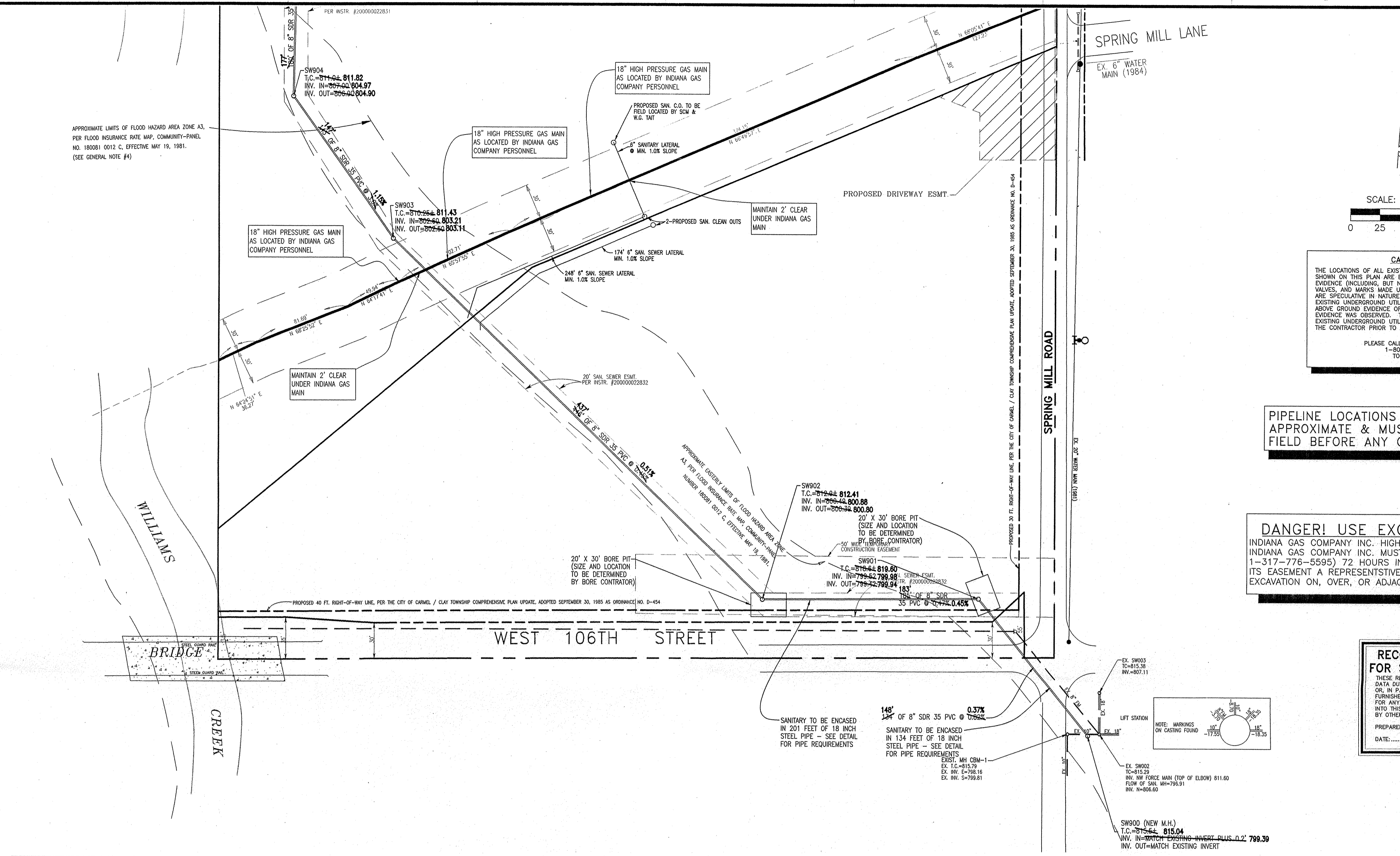
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 SHEET NO. C5
 OFFICE OF HAMILTON COUNTY SURVEYOR

SCM DEVELOPMENT, INC.
 NORTH SPRINGMILL ROAD
 STORM SEWER PLAN & PROFILE SHEET
 PART OF SE 1/4, SEC. 3, T17N, R3E, HAMILTON COUNTY, INDIANA

WEIHE ENGINEERS, INC.
 10505 NORTH COLLEGE AVENUE
 INDIANAPOLIS, INDIANA 46280
 TOLL FREE (800) 452-4439
 CIVIL ENGINEERS • LAND SURVEYORS • LAND PLANNERS • LANDSCAPE ARCHITECTS
 ALLAN H. WEIHE, P.E., L.S.
 PRESIDENT
 MICHAEL L. DUBOY, L.S.
 VICE - PRESIDENT

REVISIONS	DATE	BY	DESCRIPTION
1	5/14/00	CLF	GENERAL REVISIONS
2	6-30-00	CLF	UPDATED PLANS PER HAMILTON CO. SURVEYOR'S COMMENTS
3	7-17-00	CLF	SAVANNY SEWER REVISION PER HAMILTON COUNTY HIGHWAY DEPARTMENT
4	12-7-00	CLF	ISSUE AND SANITARY ABILITIES

APPROXIMATE LIMITS OF FLOOD HAZARD AREA ZONE A3, PER FLOOD INSURANCE RATE MAP, COMMUNITY-PANEL NO. 180091 0002 C, EFFECTIVE MAY 19, 1991. (SEE GENERAL NOTE #4)



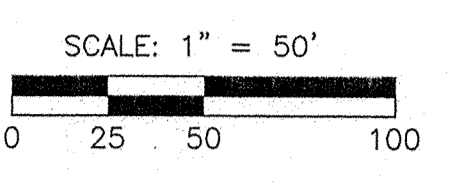
SPRING MILL LANE

SPRING MILL ROAD

WEST 106TH STREET

WILLIAMS CREEK

BRIDGE



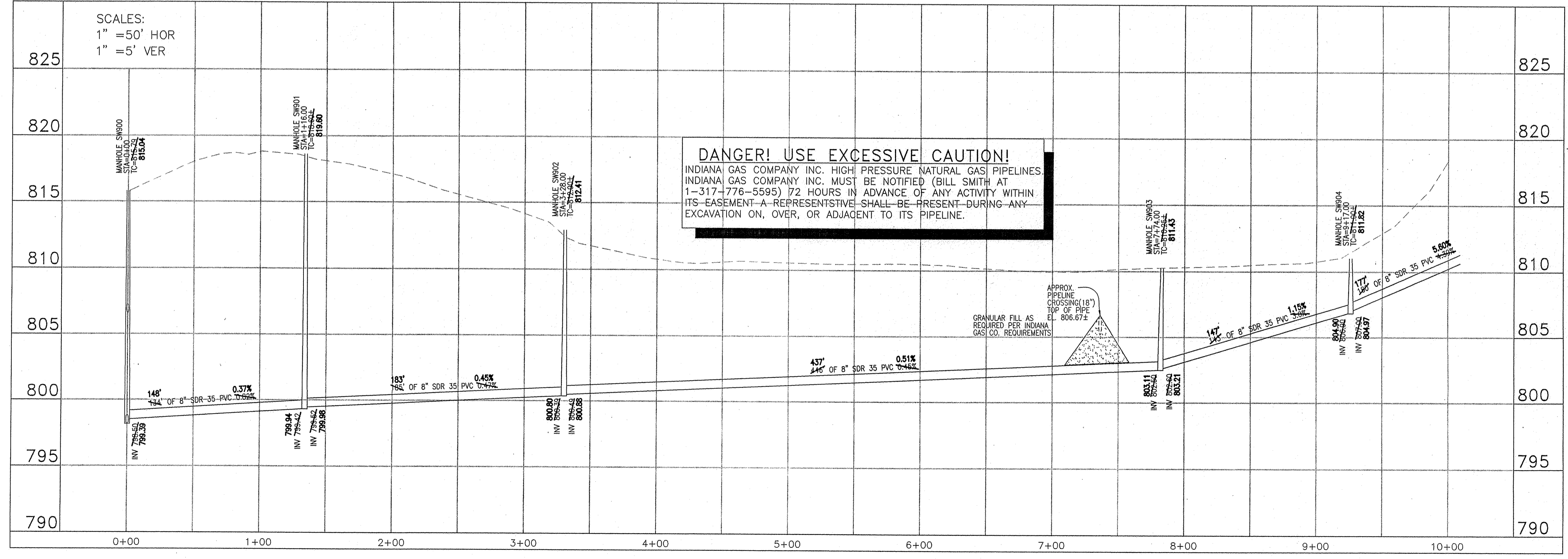
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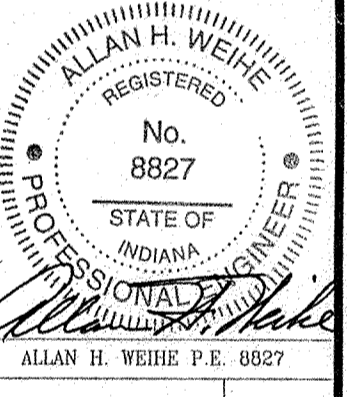
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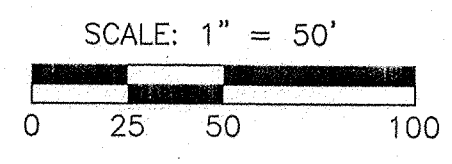
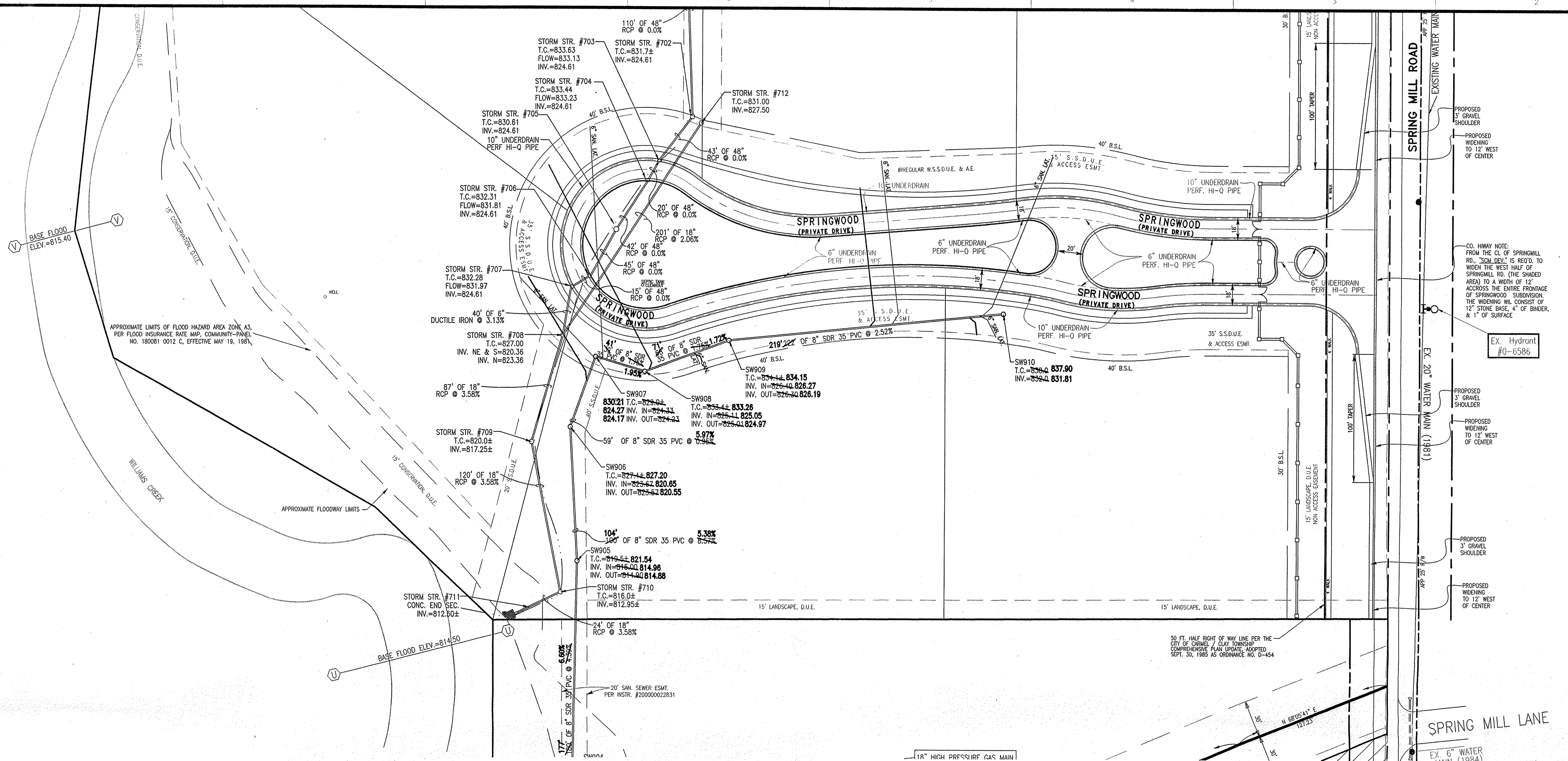
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TOLL-FREE (800) 452-6408
CIVIL ENGINEERS • LAND SURVEYORS • LAND PLANNERS • LANDSCAPE ARCHITECTS

PROJECT NO.	9501.65
DATE	12-07-00
BY	ALAN H. WEIHE
CHECKED BY	CLF
DATE	3-16-2000

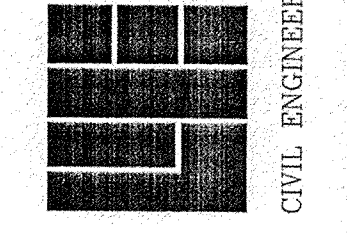


SCM DEVELOPMENT, INC.
NORTH SPRINGMILL ROAD
OFF SITE SANITARY SEWER PLAN & PROFILE SHEET
PART OF SEC. 14, SEC. 2, T37N, R9E, HAMMOND COUNTY, INDIANA

06

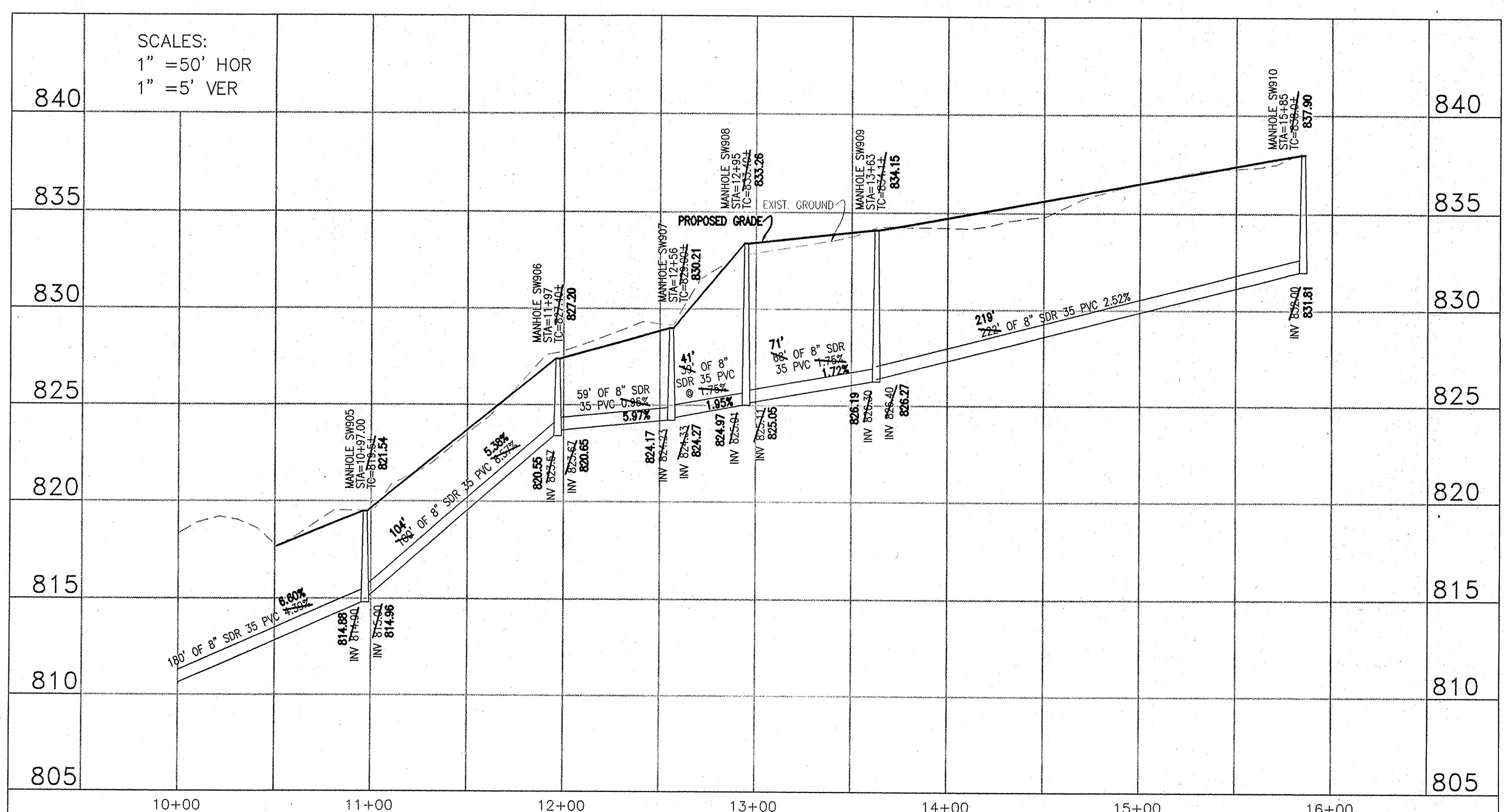
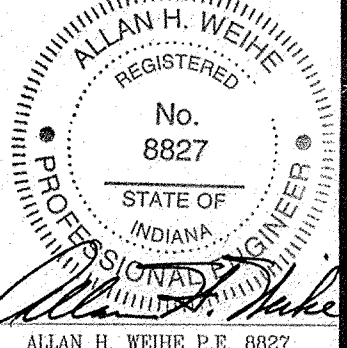


WEIHE ENGINEERS, INC.
 ALLAN H. WEIHE, P.E., L.S.
 MICHAEL J. DEBOY, L.S.
 VICE PRESIDENT
 TOLL-FREE (800) 455-6406



PROJECT NO.: 990165
 DATE: 3/16/00
 DRAWN BY: J. JONES
 CHECKED BY: M. JONES
 DATE: 3-16-2000

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 FOR SANITARY & STORM SEWERS**
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