

**Gasb 34 Footages for Historical Cost
Drain Length Log**

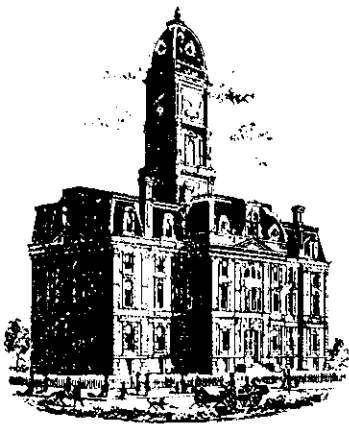
Drain-Improvement: Harmon CLARK - SOUTH PARK II

Drain Type:	Size:	Length ()	Length (DB Query)	Length Reconcile	If Applicable:	
					Price:	Cost:
SSD	6"	3302'	N/A			
RCP	21"	142'	↓			
	30"	159'				
	36"	1598'				
	42"	364'				
	60"	31'				
OPEN DITCH		1640'				

Sum: 7236' \$127,000.00

Final Report: N/A

Comments:
NO FINAL REPORT OR ASBUILTS → DATA NOT INPUT INTO GIS
PENCILLED CHANGES ON INITIAL REPORT REFLECT CORRECTIONS TO
ERRORS MADE WHEN REPORT WAS TYPED.



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

September 19, 2002

To: Hamilton County Drainage Board

Re: Harmon Clark Drain

Attached is a petition and plans for the proposed relocation of the Harmon Clark Drain. The relocation is being proposed by WLB Associates, Incorporated, Oakridge Investments LTD and Hinshaw Realty, Incorporated. The proposal is to relocate and reconstruct the Harmon Clark Drain from Sta. 6+50 through Sta. 23+00 of the original description of South Park II.

Through

The line will consist of the following:

6" SSD	3,302 ft	30" RCP	159 ft	42" RCP	364 ft
21" RCP	142 ft	36" RCP	1,598 ft	60" RCP	31 ft
				Open Ditch	1,640 ft

The open ditch listed above is that which crosses Lot 2 between Str. 717 to the detention facility located in Common Area "A" as shown on the plan for South Park II by Weihe Engineers, Inc. dated August 14, 2002 revised October 2, 2002. The open ditch is also along the west row of the Monon from the northeast corner of South Park II to the detention facility in Common Area "A". It shall also include that portion of open ditch from storm structure #720 to the south property line of South Park II.

The total length of new Drain shall be ⁷²³⁶3,394 feet. The 1,650 feet of original drain between Sta. 6+50 and Sta. 23+00 shall be vacated. This proposal will add an additional ²⁰¹⁵⁰2,284 feet to the drains total length. 5836

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.

The retention lake located in Common Area "A" is to be considered part of the regulated drain. The inlet and outlet will be maintained as part of the regulated drain and the lake is to be considered as open ditch. The maintenance of the lake will not include mowing responsibility of the property owner. The Board will also retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

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 cost of the relocation is to be paid by WLB Associates, Inc., Oakridge Investments LTD and Hinshaw Realty, Inc. Because the project is to be paid by the petitioner and is within the boundaries of the petitioners property the project falls under the requirements as set out in IC 36-9-27-52.5. Therefore, a public hearing with 30 day notice is not required for the petition.

The petitioner has provided the letter of credit as follows:

Name of Bonding Co./Bank: Irwin Union Bank

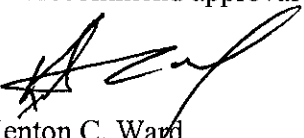
Bond/LC Number:

Bond/LC Date:

Bond/LC Amount: \$127~~7~~,000.00

Bond Term: 1 Year

I recommend approval by the Board at this time.


Kenton C. Ward
Hamilton County Surveyor

KCW/llm



HCDB - 2003-
00025

SUBDIVISION PERFORMANCE BOND

Bond # 5003397

KNOW ALL MEN BY THESE PRESENTS, that we Oakridge Investments LP, Joint Venture
DBA Oakridge Owners, 12443 Charing Cross Road, Carmel, IN 46033

as Principal, and Bond Safeguard Insurance Company, 1919 S. Highland Avenue,
Bldg. A, Suite 300, Lombard, IL 60148

authorized to do business in the State of Indiana, as Surety are held firmly bound unto Hamilton County Board of Commissioners

as Obligee, in the penal sum of One Hundred Twenty Seven Thousand and No/100
(\$ 127,000.00)

for the payment of which sum well and truly to be made, we bind ourselves, our heirs, administrators, executors, successors and assigns, jointly and severally firmly by these present;

WHEREAS, the above bounden Principal has been granted approval by the above named Obligee for Relocation and Reconstruction of the Harmon Clark Drain in Southoak Park

NOW, THEREFORE, the condition of the obligation is such, that if the said Principal shall complete the above improvements in accordance with the plans and specifications prepared by _____, and shall indemnify and save harmless the Obligee from all costs and damages which it may suffer by reason of failure to do so, and fully reimburse and repay Obligee any outlay and expense which it may incur in making good any such default, then this obligation shall be null and void, otherwise to remain in full force and effect.

THE FOREGOING OBLIGATION, however, is limited by the following express conditions, the performance of which shall be a condition precedent to any rights of claims or recovery hereunder:

1. Upon the discovery by the Obligee, or by the Obligee's agent or representative, of any act or omission that shall or might involve a loss hereunder, the Obligee shall endeavor to give written notice thereof with the fullest information obtainable at the time to the Surety.
2. Legal proceedings for recovery hereunder may not be brought unless begun within twelve (12) months from the date of the discovery of the act or omission of the Principal on account of which claim is made.
3. The Principal shall be made a party to any suit or action for recovery hereunder, and no judgment shall be rendered against the Surety in excess of the penalty of this instrument.
4. No right of action shall accrue hereunder to or for the use or benefit of anyone other than the Obligee, and the Obligee's right hereunder may not be assigned without the written consent of the Surety.

SIGNED, SEALED AND DATED this 9th Day of April, 2003

Oakridge Investments, LP, Joint
Venture DBA Oakridge Owners

Bond Safeguard Insurance Company

By: L. Dale Hinshaw

By: Deborah M. Roth
Deborah M. Roth, Attorney-in-Fact

Bond Safeguard INSURANCE COMPANY

KNOW ALL MEN BY THESE PRESENTS, that **BOND SAFEGUARD INSURANCE COMPANY**, an Illinois Corporation with its principal office in Lombard, Illinois, does hereby constitute and appoint:

Anthony George Balzano,

Deborah M. Roth, Jacqueline Demeter

its true and lawful Attorney(s)-in-Fact to make, execute, seal and deliver for, and on its behalf as surety, any and all bonds, undertakings or other writings obligatory in nature of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **BOND SAFEGUARD INSURANCE COMPANY** on the 7th day of November, 2001 as follows:

Resolved, that the President of the Company is hereby authorized to appoint and empower any representative of the Company or other person or persons as Attorney-in-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond not to exceed \$500,000.00, Five Hundred Thousand Dollars, which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed for good cause and the authority so granted may be revoked as specified in the Power of Attorney.

Resolved, that the signature of the President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Vice President, and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, **BOND SAFEGUARD INSURANCE COMPANY** has caused this instrument to be signed by its President, and its Corporate Seal to be affixed this 7th day of November, 2001.



BOND SAFEGUARD INSURANCE COMPANY

BY

David E. Campbell
President

ACKNOWLEDGEMENT

On this 7th day of November, 2001, before me, personally came David E. Campbell to me known, who being duly sworn, did depose and say that he is the President of **BOND SAFEGUARD INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.



Janet L. Coppock
Notary Public

CERTIFICATE

I, the undersigned, Secretary of **BOND SAFEGUARD INSURANCE COMPANY**, An Illinois Insurance Company, DO HEREBY CERTIFY that the original Power of Attorney of which the foregoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

Signed and Sealed at Lombard, Illinois this 9th Day of April, 20 03



Donald D. Buchanan
Secretary

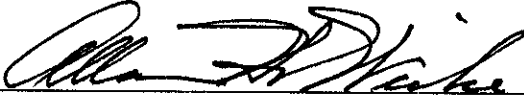
CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: South Oak Industrial Park Storm As-builts

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.

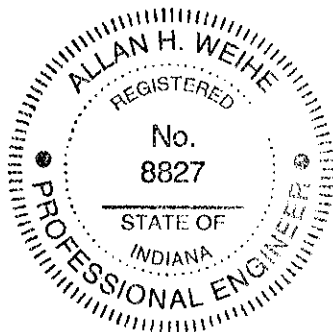
Signature:  Date: Sept 19, 2003

Type or Print Name: Allan H. Weihe

Business Address: Weihe Engineers, Inc. , 10505 N. College Avenue,
Indianapolis, Indiana 46280

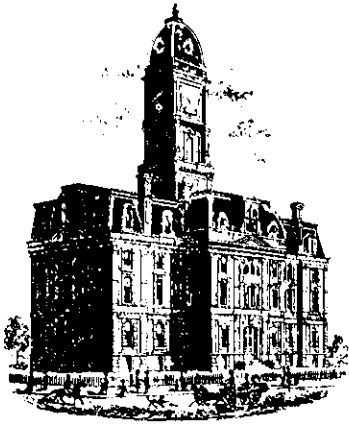
Telephone Number: 317-846-6611

SEAL



INDIANA REGISTRATION NUMBER

8827



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

August 31, 2004

Re: Harmon Clark Drain: South Oak Ind. Park Arm

Attached are as-builts, certificate of completion & compliance, and other information for South Oak Industrial Park Arm. 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 September 19, 2002. The report was approved by the Board at the hearing held October 14, 2002. (See Drainage Board Minutes Book 6, Pages 457-458)

The changes are as follows:

705	891.56	883.56					
704	887.33	881.4	36	376	0.57		
704	887.33	881.4					
703	888.16	880.67	36	184	0.4		
703	888.16	880.67					
702	885.49	877.86	36	409	0.69		
702	885.49	877.86					
701	886.93	876.51	42	285	0.47		
701	886.93	876.51					
700		875.98	42	79	0.67		
707	892.04	887.54					
706	898.67	885.67	36	270	0.69	279	-9
706	898.67	885.67					
705	891.56	883.56	36	350	0.6		
720		875.94					
721	881.67	875.84	60	31	0.32		
716	887.69	881.59					
715	887.62	878.46	21	29	3.34		
715	887.62	878.46					
714		876.12	21	103	4.37		
719	891.69	887.25					
718	891.74	886.99	30	29	0.9		
718	891.74	886.99					
717		886.74	30	47	0.53		

712	884.3	878.68				
711	884.16	878.32	30	29	1.24	
711	884.16	878.32				
702	885.49	877.86	30	33	1.39	

6" SSD Streets:

South Park Dr	1650
x2	

Total: 3300

Other Drain:

open ditch	1730
------------	------

Total: 1730

RCP Pipe Totals:

21	132
30	138
36	1589
42	364
60	31

Total: 2254

The length of the drain due to the changes described above is now **7284 feet**.

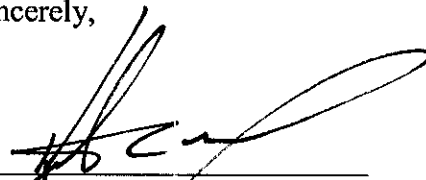
The non-enforcement was approved by the Board at its meeting on September 19, 2002 and recorded under instrument #200300081241.

The following sureties were guaranteed by Irwin Union Bank and released by the Board on its May 24, 2004 meeting.

Bond-LC No: 5003397
Insured For: Storm Sewers
Amount: \$127,000.00
Issue Date: April 9, 2003

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

Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

CONSTRUCTION PLANS FOR SOUTH OAK INDUSTRIAL PARK WESTFIELD, IN

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	EXISTING CONDITIONS / DEMOLITION PLAN
3	DEVELOPMENT PLAN
3A	OFFSITE DEVELOPMENT PLAN
4-5	STREET PLAN & PROFILE SHEETS
6-8	STORM SEWER PLAN & PROFILE SHEETS
9	SANITARY SEWER PLAN & PROFILE SHEETS
10	SANITARY SEWER DETAILS
11	SANITARY SEWER SPECIFICATIONS
12	EROSION CONTROL PLAN
13	EROSION CONTROL PLAN
14	DETAIL SHEET
15	DETAIL SHEET - HAMILTON COUNTY
16-17	SPECIFICATION SHEET
18	WATER MAIN PLAN
19	WATER DETAIL SHEET
20	WATER SPECIFICATION SHEET

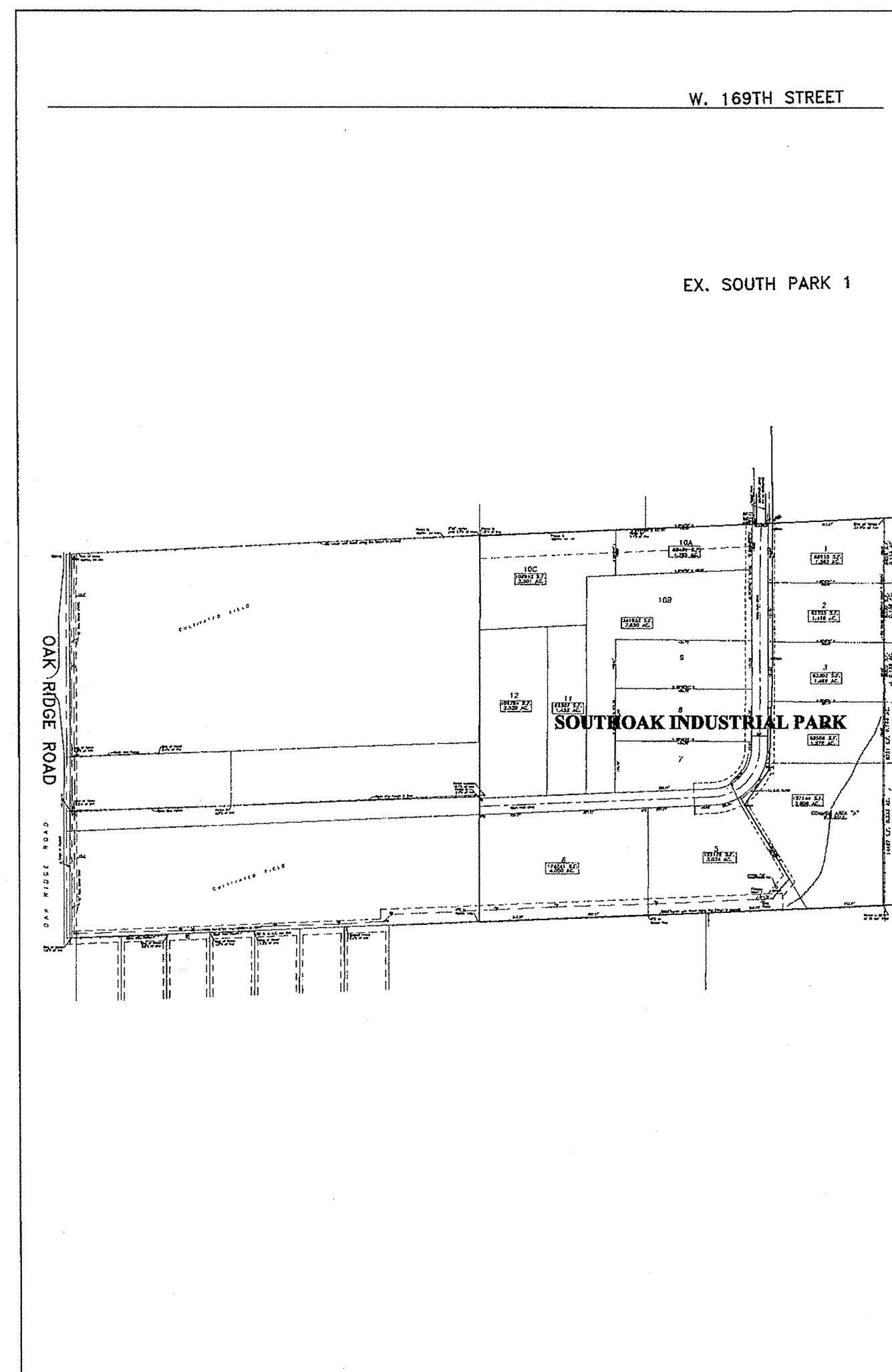
REVISIONS

SHEET NO.	DESCRIPTION	DATE
ALL	REVISIONS PER T.A.C. REVIEW	9/16/02
3,6-8,9,12,18	MINOR REVISIONS TO STORM	10/2/02
ALL	MINOR REVISIONS	2/17/03
6,8,14,18	ADDED CATCH BASIN TO STR. #701, 711, 715, 718. REVISED WESTFIELD'S DETAIL SHEET	4/16/03
3,9	REVISIONS TO SANITARY	4/28/03
3,6-8	STORM SEWER AS-BUILTS	9/15/03
3,9	SANITARY SEWER AS-BUILTS	2/25/04

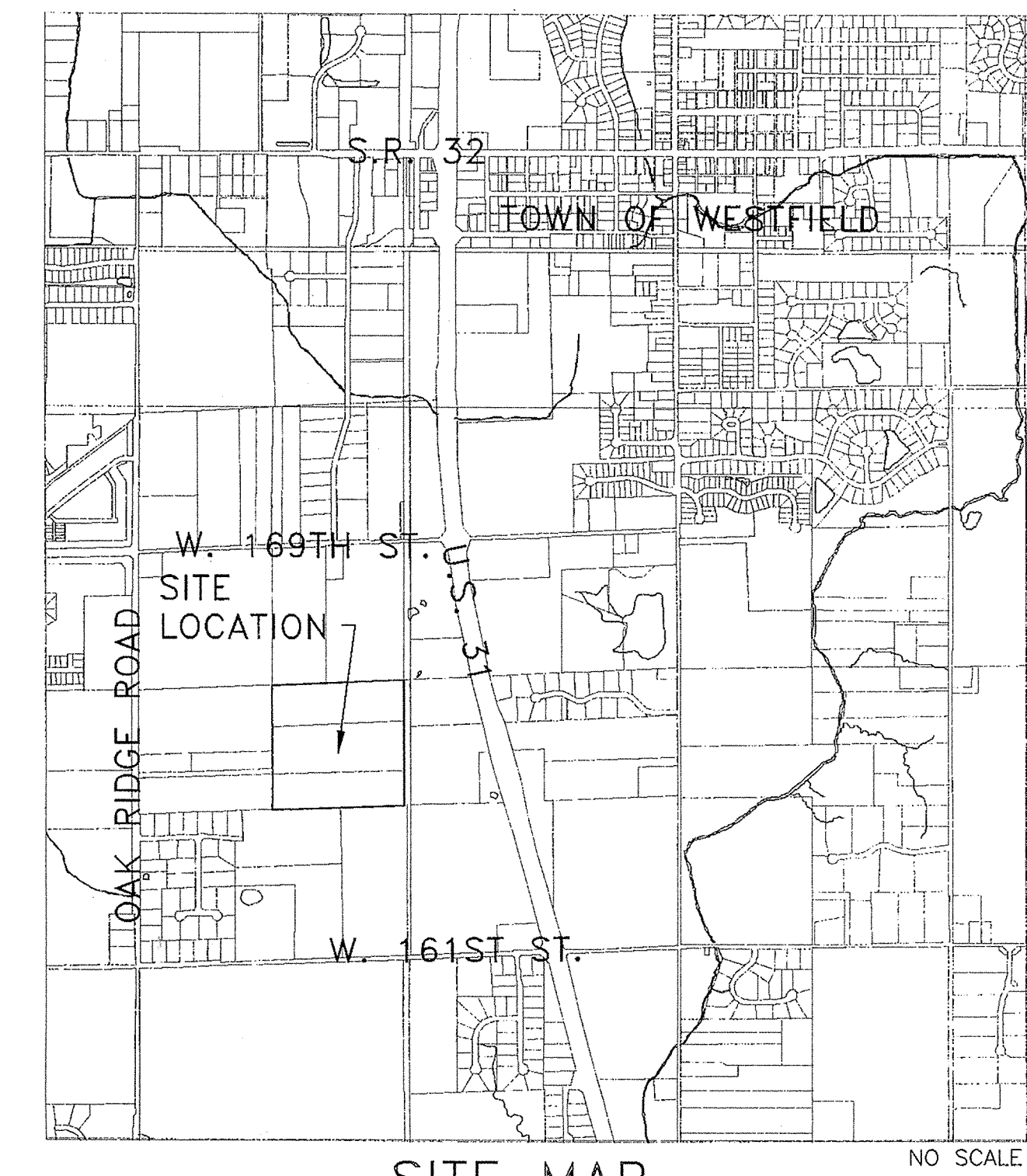
- GENERAL NOTES:
- 1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
 - 2) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION.
 - 3) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.
 - 4) ALL QUANTITIES GIVEN ON THESE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
 - 5) OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
 - 6) IN ADDITION, EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
 - 7) IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.
 - 8) TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
 - 9) THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
 - 10) ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED TO NEW STORM SEWERS AND POSITIVE DRAINAGE PRESERVED.
 - 11) THE SITE DOES NOT LIE IN A SPECIAL FLOOD HAZARD AREA AS ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY - NATIONAL FLOOD INSURANCE PROGRAM, WHEN PLOTTED BY SCALE ON FLOOD INSURANCE RATE MAP #180083 0015 C, DATED MARCH 11, 1983.
 - 12) BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.
 - 13) THE SITE DOES NOT CONTAIN A WETLANDS AS ESTABLISHED BY THE U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE; WESTFIELD, INDIANA NATIONAL WETLANDS INVENTORY MAP DATED 1989.

DESIGN DATA: 8/14/02
TOTAL ACREAGE - 35.29± ACRES
NUMBER LOTS - 2
STREET LENGTH: 1651.65'

SOUTH PARK	1651.65
SOUTH PARK DRIVE	1651.65
TOTAL LENGTH	1651.65



SITE LOCATION MAP



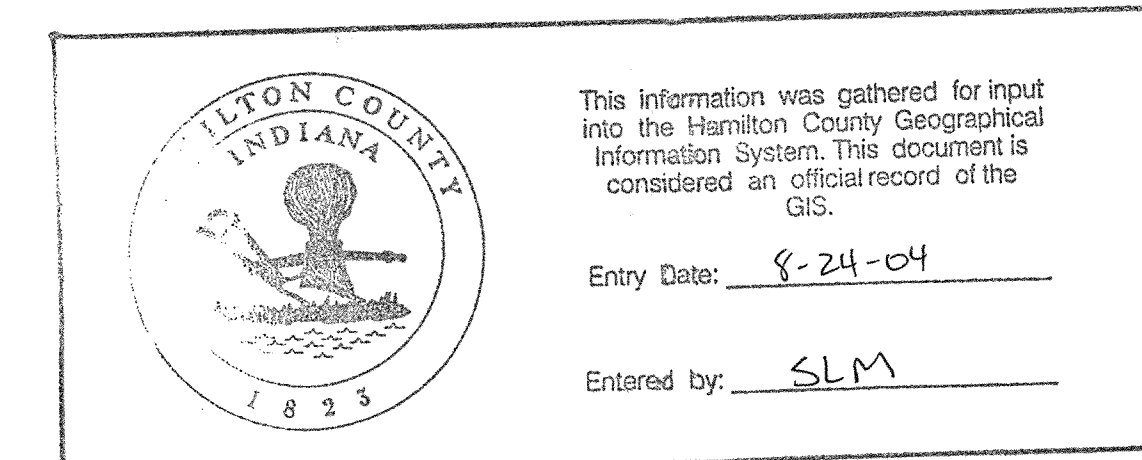
SITE MAP

PLANS PREPARED FOR:

DALE HINSHAW
12443 Charing Cross Road
Carmel, IN 46032
TELEPHONE: (317) 846-9795
CONTACT PERSON: DALE HINSHAW

PLANS PREPARED BY:

WEIHE ENGINEERS, INC.
10505 N. COLLEGE AVE.
INDIANAPOLIS, IN 46280
TELEPHONE: (317) 846-6611
CONTACT PERSON: MAX MOUSER



FILED

MAR 01 2004

OFFICE OF HAMILTON COUNTY SURVEYOR

RECORD DRAWING
SANITARY SEWER AS-BUILTS
SANITARY SEWER STRUCTURES ONLY
2/25/04

RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
9/15/03

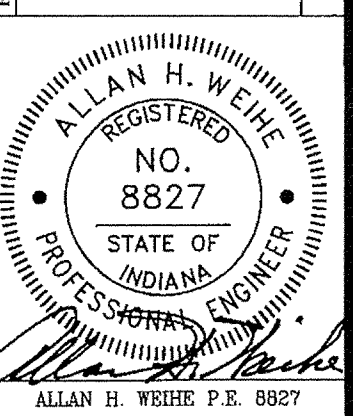
WEIHE ENGINEERS, INC.

10505 NORTH COLLEGE AVENUE
INDIANAPOLIS, INDIANA 46280
(317) 846-6611 FAX: (317) 843-0546
TOLL-FREE (800) 452-6668

ALLAN H. WEIHE
REGISTERED CIVIL ENGINEER
REGISTERED LAND SURVEYOR
PRESIDENT

CIVIL ENGINEERS • LAND SURVEYORS • LAND PLANNERS • LANDSCAPE ARCHITECTS

PROJECT NO.	DATE	BY	REVISIONS
W00-1253	9/16/02	EAC	REVISIONS PER T.A.C. REVIEW
W00-1253	10/2/02	EAC	MINOR REVISIONS TO STORM
W00-1253	2/17/03	EAC	ADDED CATCH BASIN TO STR. #701, 711, 715, 718. REVISED WESTFIELD'S DETAIL SHEET
W00-1253	4/28/03	EAC	REVISIONS TO SANITARY
W00-1253	9/15/03	EAC	STORM SEWER AS-BUILTS
W00-1253	2/25/04	EAC	SANITARY SEWER AS-BUILTS



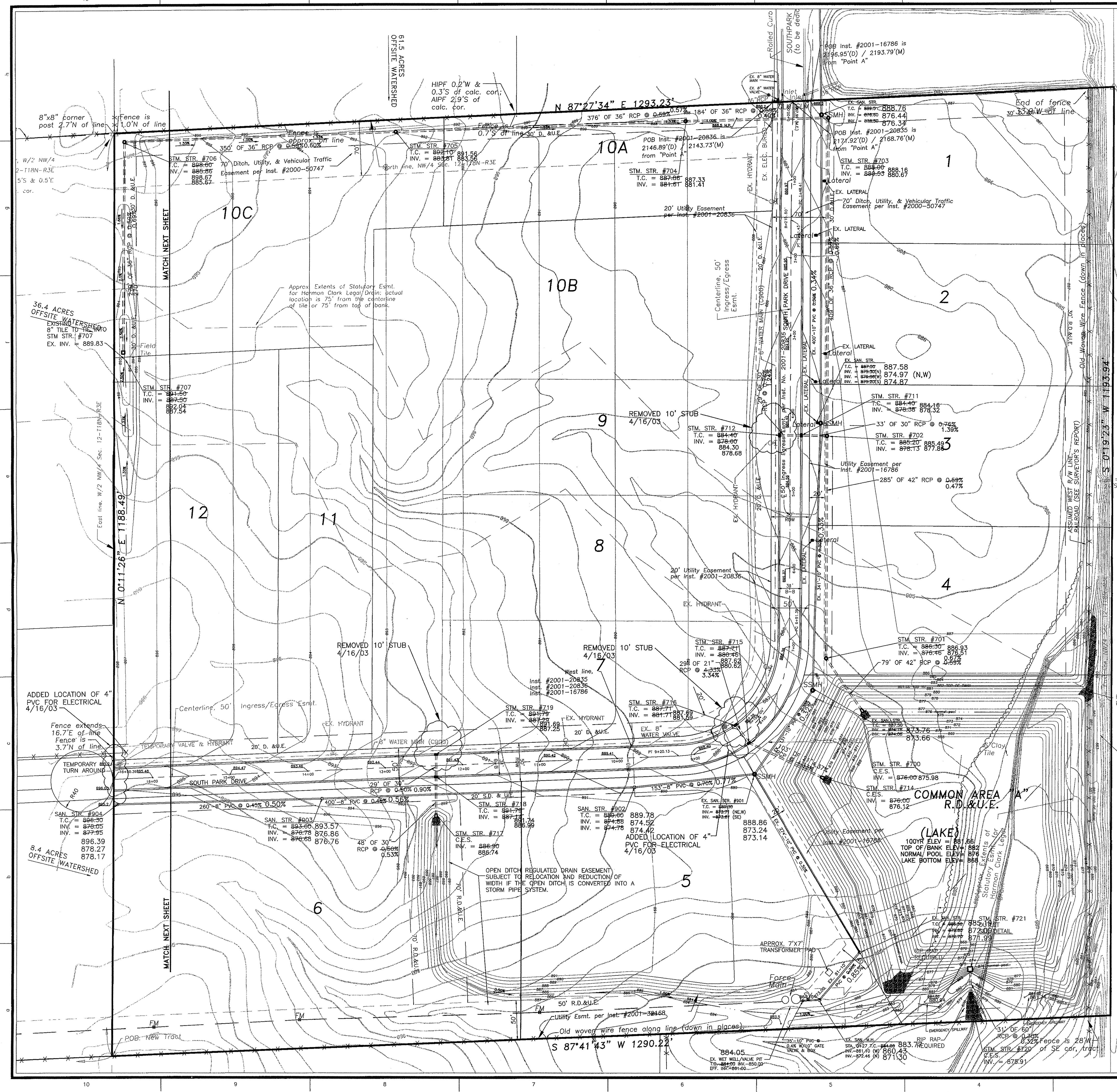
ALLAN H. WEIHE P.E. 8827

PREPARED FOR:
SOUTH OAK INDUSTRIAL PARK
DALE HINSHAW

TITLE SHEET

SHEET NO.
1

PROJECT NO.
W00-1253



LEGEND

- RIGHT-OF-WAY LINE
- STORM SEWER LINE
- SWALE
- SANITARY SEWER LINE
- SANITARY SEWER MANHOLE
- SANITARY SEWER LATERAL
- FLOW DIRECTION
- EXISTING SPOT ELEVATION
- EXISTING CONTOURS
- PROPOSED ELEVATION
- STORM BEEHIVE INLET
- STORM INLET
- TOP OF CASTING
- INVERT
- REINFORCED CONCRETE PIPE
- MANHOLE
- STRUCTURE
- DRAINAGE AND UTILITY EASEMENT
- SANITARY, DRAINAGE, AND UTILITY EASEMENT
- SANITARY SEWER
- HANDICAP RAMP
- MATCH EXISTING GRADE
- SUBSURFACE DRAIN AND SUMP LINE
- STORM SEWER
- GRANULAR BACKFILL
- CONCRETE END SECTION
- SUBSURFACE DRAIN
- SANITARY SEWER PIPE (SDR-35)
- TYP.
- PROPOSED
- EXISTING
- RADIUS

SCALE: 1" = 60'

0 30 60 120

- GENERAL NOTES:
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION.
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 - ALL QUANTITIES GIVEN ON THESE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
 - IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
 - IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.
 - TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
 - BEARINGS, DIMENSIONS, AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS AND PLATS FOR EXACT INFORMATION.
 - STANDARD BARRICADE TYPE IV IS TO BE PLACED AT ALL STUB STREETS.
 - ALL SANITARY MANHOLES IN NON-PAVED AREAS SHALL BE 3" ABOVE GRADE.
 - ANY PRIVATE FIELD TILES FOUND ON THE SITE ARE TO BE OUTLETTED INTO AN ACCEPTABLE OUTLET.
 - HARMON CLARK DRAIN TO BE CRUSHED AND DESTROYED ACROSS PROPOSED SOUTHPARK 2 AND NO WORK TO OCCUR WITHIN EXISTING REGULATED DRAIN EASEMENT UNTIL PLANS ARE APPROVED AND THE HEARING IS HELD BEFORE HAMILTON COUNTY DRAINAGE BOARD.
- NOTES:
- CURB UNDERDRAINS (PER D.O.T. STANDARD DETAIL 30-30) WILL BE INSTALLED THROUGHOUT THIS ENTIRE PROJECT.
 - ROLLED CURB & GUTTER "TYPE I" SHALL BE INSTALLED THROUGHOUT ENTIRE PROJECT AS SHOWN UNLESS NOTED OTHERWISE.
 - CONTRACTOR TO DESIGNATE SANITARY LATERAL ENDS WITH A WOODEN 2"x4" STAKE, PAINTED BRIGHT GREEN.
 - 135.9 ACRES COMING ONTO SOUTH PARK, TWO DEVELOPMENT SHALL BE CONNECTED INTO THE PROPOSED DRAINAGE SYSTEM IN ORDER TO MAINTAIN POSITIVE DRAINAGE FOR THE OPPOSITE SYSTEM.
 - THE LOWEST FLOOR ELEVATION RECEIVING GRAVITY SERVICE MUST BE A MINIMUM OF ONE FOOT ABOVE THE TOP OF CASTING OF THE NEAREST SANITARY MANHOLE, OR A GRINDER PUMP SHALL BE REQUIRED.

OFFSITE WATERSHED
29.6 ACRES

STRUCTURE DATA TABLE

STR. NO.	TC/RIM ELEV.	INV.	INV. OUT	DEPTH	STR. SIZE	STR. TYPE	CASTING TYPE	PIPE SIZE	DIRECTION OF PIPE RUN/OUT			
700	NONE	876.00	875.98	876.00	875.98	N/A	C.E.S. N/A	42"	N/S			
701	886.30	886.93	876.46	876.51	876.45	6.55'	72"	MANHOLE SOLID (R-1772)	42"	N/S		
702	885.20	885.49	878.15	877.86	878.15	877.86	3.20'	72"	MANHOLE SOLID (R-1772)	42"	N/S	
703	888.00	888.16	888.00	880.67	880.67	3.60'	72"	MANHOLE SOLID (R-1772)	42"	W/E		
704	887.88	887.33	881.41	881.61	881.41	3.22'	72"	MANHOLE BEEHIVE (R-4342)	36"	W/E		
705	882.10	891.56	883.81	883.56	883.56	4.67'	72"	MANHOLE BEEHIVE (R-4342)	36"	W/E		
706	898.00	898.67	888.00	885.67	888.00	885.67	3.40'	9.67'	72"	MANHOLE SOLID (R-1772)	36"	S/E
707	891.50	892.04	N/A	887.50	887.54	1.49'	1.17'	4"x4" Box Inlet w/ 6" Throat Opening	36"	N		
711	884.40	884.16	878.35	878.32	878.35	878.32	3.23'	3.05'	60"	MANHOLE CURB (R-3501-R)	30"	W/E
712	884.40	884.30	N/A	878.60	878.68	3.04'	3.19'	60"	MANHOLE CURB (R-3501-R)	30"	E	
714	NONE	878.00	876.12	875.00	876.12	N/A	N/A	C.E.S. N/A	21"	NE		
715	887.88	887.62	888.00	880.62	880.62	880.62	5.22'	5.02'	48"	MANHOLE CURB (R-3501-R)	21"	NW/SE
716	887.88	887.69	881.71	881.59	881.71	881.59	3.74'	4.12'	36"x36"	INLET CURB (R-3501-R)	21"	SE
717	NONE	888.00	886.74	886.00	886.74	N/A	N/A	C.E.S. N/A	30"	N		
718	891.79	891.74	887.14	886.99	887.14	886.99	1.86'	1.96'	60"	MANHOLE CURB (R-3501-R)	30"	N/S
719	891.79	891.69	887.23	887.23	887.23	887.23	1.74'	1.65'	60"	MANHOLE CURB (R-3501-R)	30"	S
720	NONE	875.05	875.94	875.05	875.94	N/A	N/A	C.E.S. N/A	60"	N		
721	881.50	881.67	876.00	875.84	876.00	875.84	0	72"x72"	INLET SEE DETAIL	60"	S	

NOTE: DEPTH = 1/2" (INV + DIA + THICKNESS)

SANITARY SEWER STRUCTURE TABLE

STRUCTURE NUMBER	TOP OF CASTING	INVERT (IN)	INVERT (OUT)
EX. 901	889.30	888.86	873.71 (NE,W) 873.24 873.67 (SE) 873.14
902	889.60	889.78	874.68 874.52 874.78 874.42
903	893.00	893.57	876.78 876.86 876.68 876.76
904	896.30	896.39	878.05 878.27 877.95 878.17

SANITARY SEWER NOTES:

- THIS PLAN IS INDICATING SANITARY SEWER LATERALS TO STOP NO CLOSER THAN 10 FEET FROM THE BUILDING LINE. AT NO TIME SHALL THE CONTRACTOR EXCAVATE PAST THE BUILDING LINE DURING INSTALLATION OF ANY UTILITIES. IF EXCAVATION IS REQUIRED PAST THE BUILDING LINE, MATERIAL SHALL BE REPLACED AND COMPACTED TO 95% STANDARD PROCTOR. THIS IS INTENDED TO PREVENT ANY STRUCTURAL SETTLING WITHIN THE BUILDABLE AREA OF ALL LOTS. SANITARY LATERALS ARE TO BE INSTALLED AT NO GREATER THAN 45 DEGREE ANGLE COMING FROM THE MAIN.
- ALL DROP STRUCTURES MUST BE AN OUTSIDE DROP. INSIDE DROP STRUCTURES ARE NOT ALLOWED.

RECORD DRAWING
SANITARY SEWER AS-BUILTS
SANITARY SEWER STRUCTURES ONLY
2/25/04

RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
9/15/03

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MAR 01 2004
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WEIHE ENGINEERS, INC.
1855 NORTH COLLEGE AVENUE
INDIANAPOLIS, INDIANA 46280
(317) 846-6611 FAX: (317) 843-0546
TOLL-FREE: (800) 455-6468

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REGISTERED CIVIL ENGINEER
REGISTERED LAND SURVEYOR
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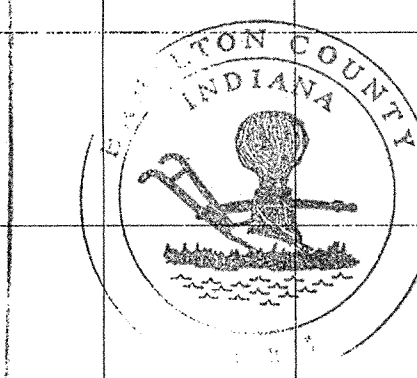
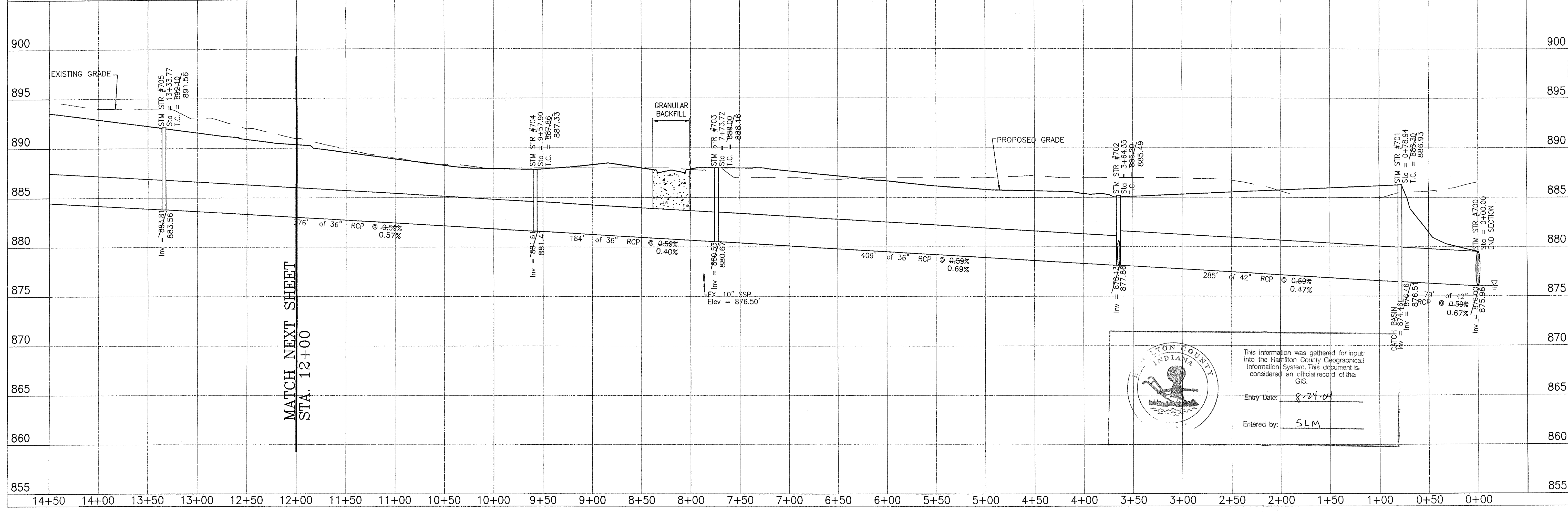
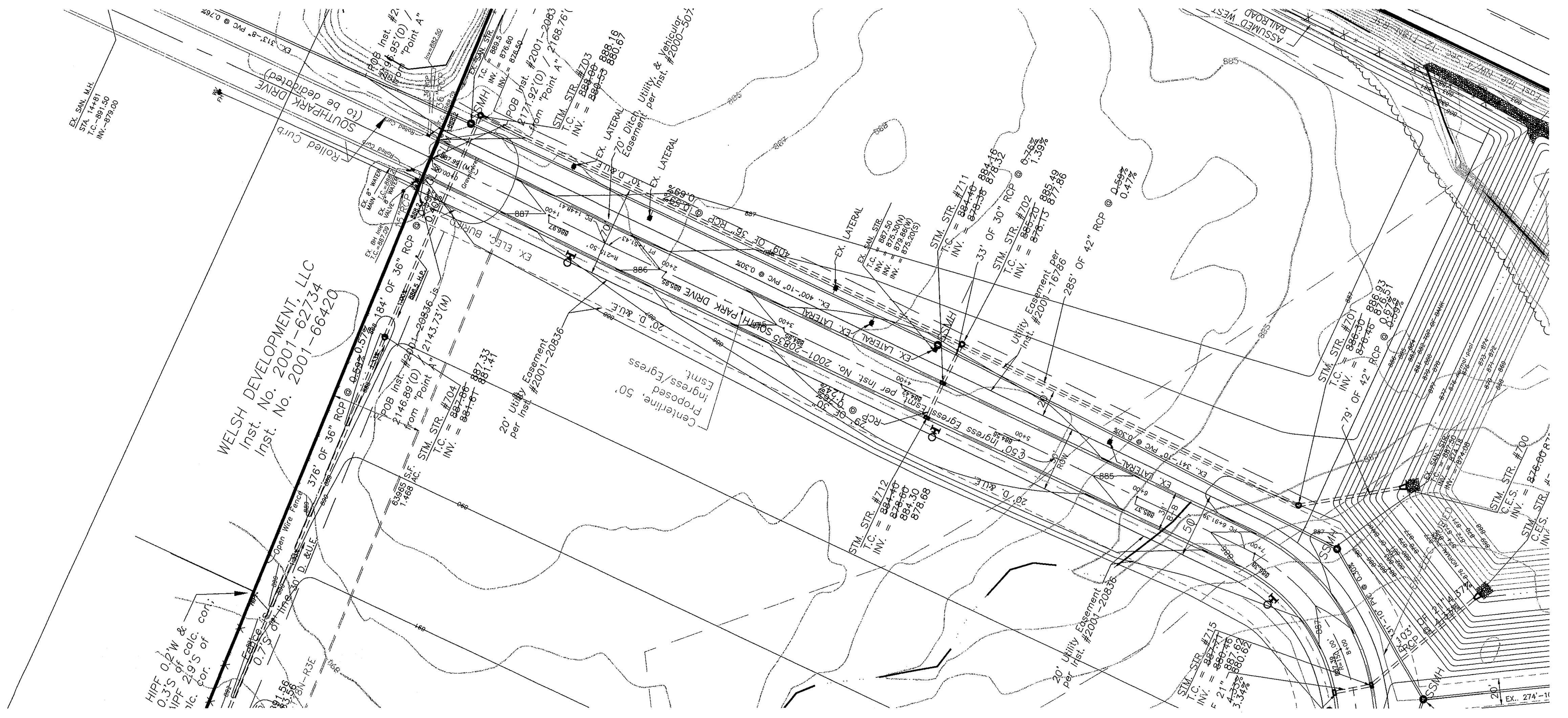
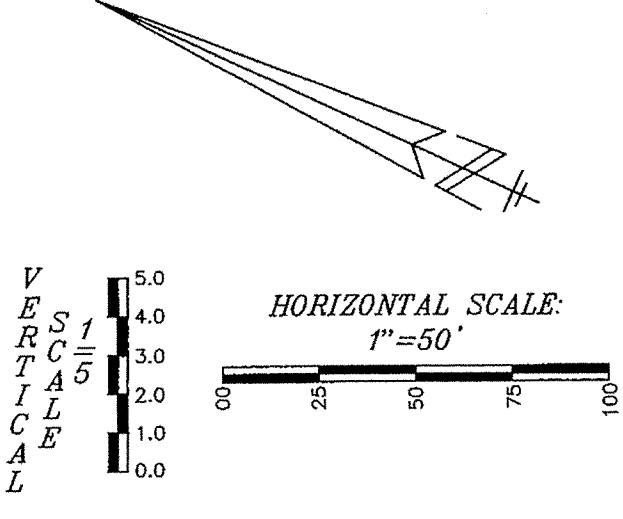
PROJECT NO.: W00-1253
DATE: 8/14/02

PREPARED FOR: SOUTHOAK INDUSTRIAL PARK DEVELOPMENT PLAN

DALE HINSHAW

3

PROJECT NO. W00-1253



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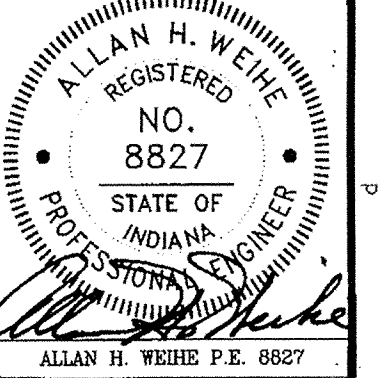
Entered by: SLM

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 INDIANAPOLIS, INDIANA 46280
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DATE:	8/14/02	
CHECKED BY:	C.E.S.	
DRAWN BY:	EAC	
FIELD BY:	EAC	
CONSTRUCTION:	EAC	
PROJECT NO.:	W00-1253	
DATE:	8/14/02	
REVISIONS:		
9/15/03	EAC	STORM SEWER AS-BUILT'S
7/15/03	EAC	SHEET 18, REVISED WESTFIELD'S DETAIL
4/7/03	EAC	MINOR REVISIONS IN TO PER. FOR T1, T11, T12, T18, REVISED WESTFIELD'S DETAIL
2/17/03	EAC	REVISIONS PER TAC REVIEW
10/2/02	EAC	REVISIONS TO STORM
9/18/02	EAC	REVISIONS TO TAC REVIEW



PREPARED FOR:
SOUTHSHAW INDUSTRIAL PARK
 DALE HINSHAW

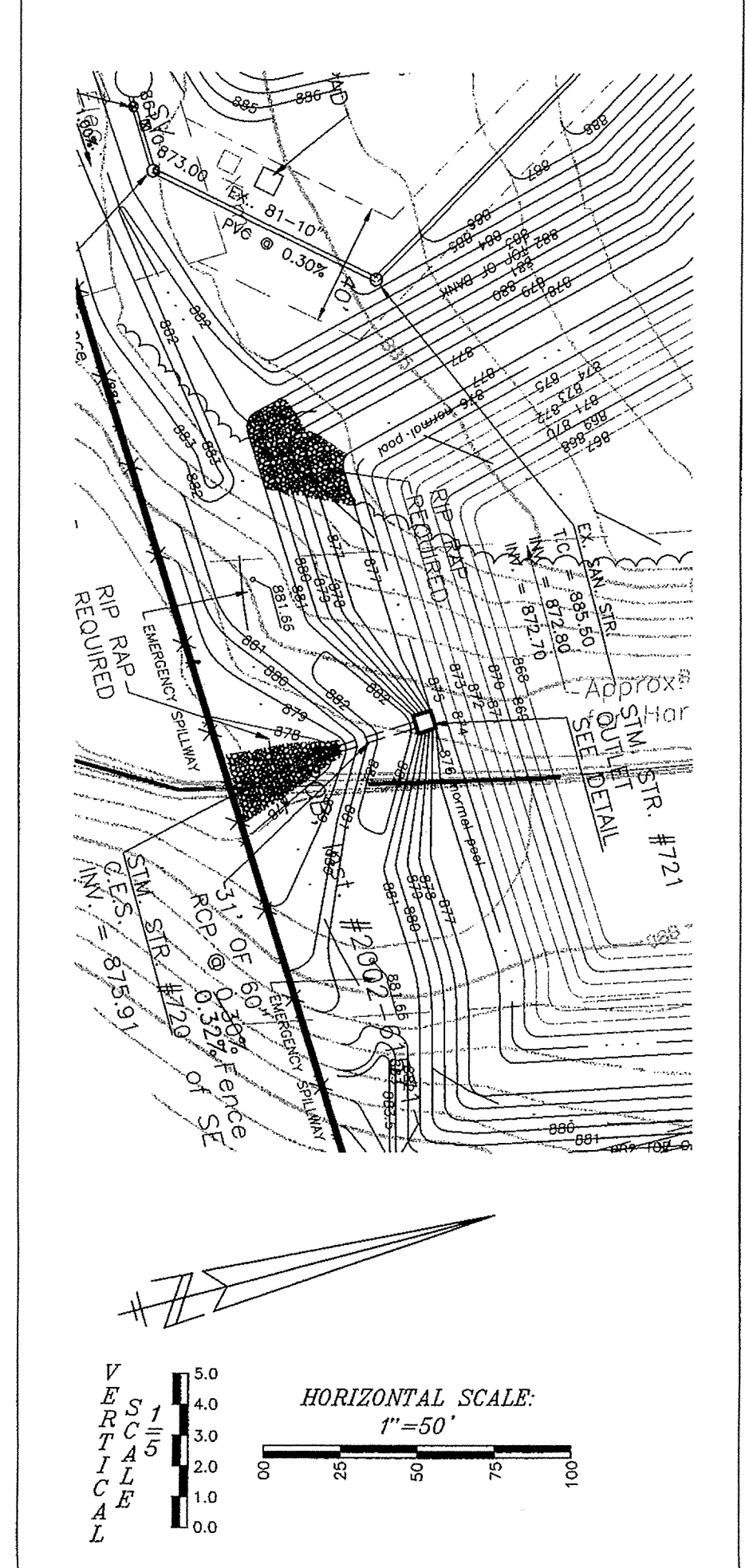
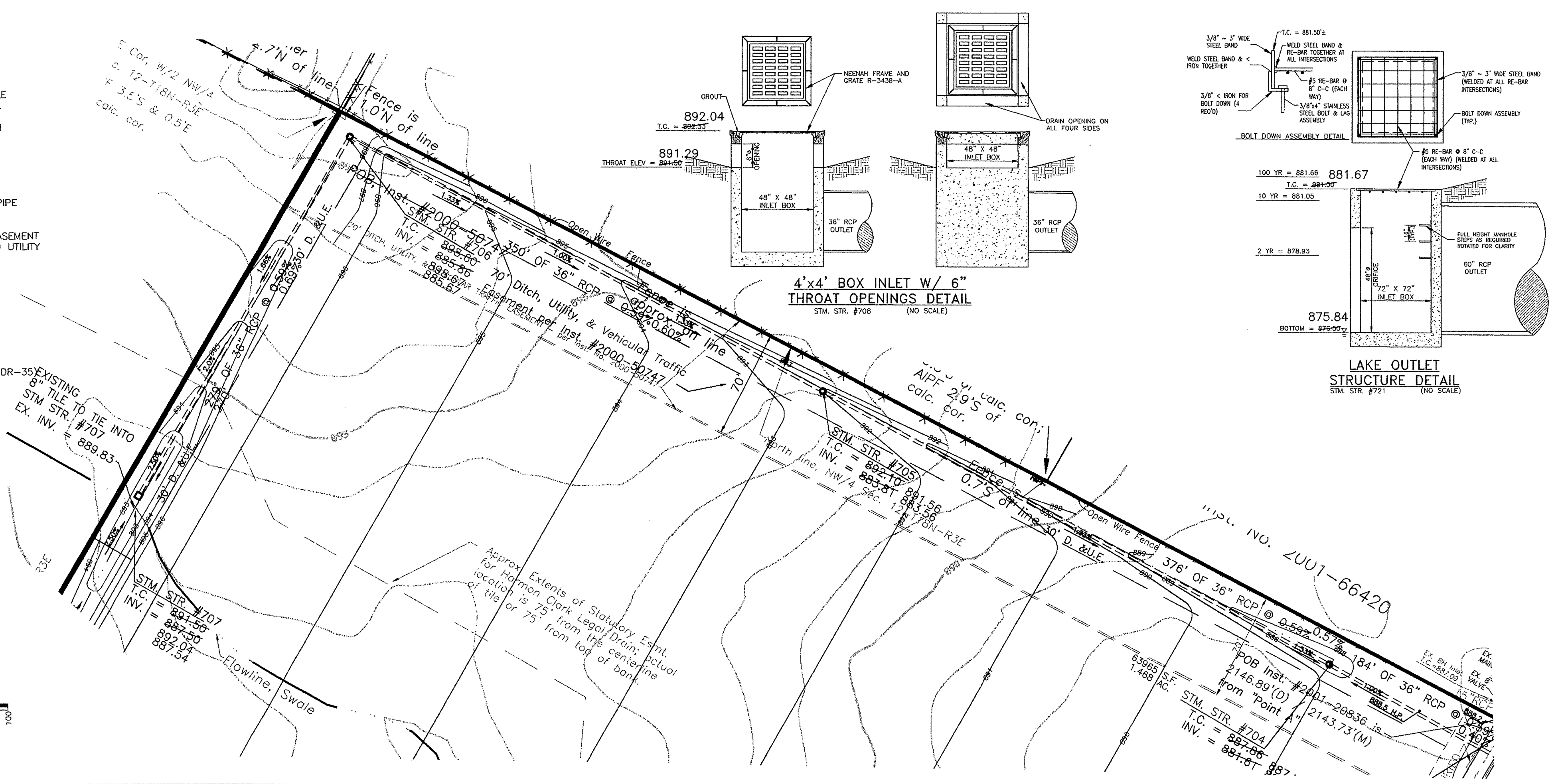
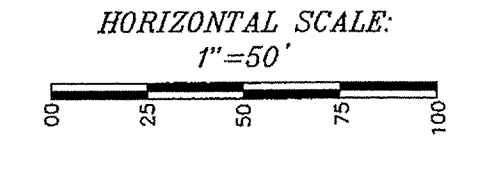
STORM PLAN & PROFILE SHEET
 Part of the 1/4 of Section 12, Township 18 North, Range 3 East, Hamilton County, Indiana.

FILED
 MAP #1 0004
 SEP 1 2004

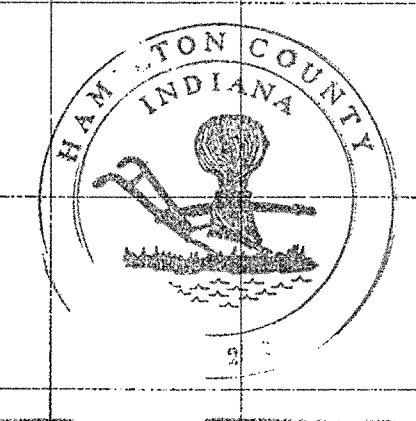
RECORD DRAWING
 STORM SEWER AS-BUILT'S
 STORM SEWER STRUCTURES ONLY
 9/15/03

SHEET NO. **6**
 PROJECT NO. W00-1253

- LEGEND**
- RIGHT-OF-WAY LINE
 - - - STORM SEWER LINE
 - - - SANITARY SEWER LINE
 - SANITARY SEWER MANHOLE
 - SANITARY SEWER LATERAL
 - FLOW DIRECTION
 - EXISTING SPOT ELEVATION
 - PROPOSED ELEVATION
 - STORM INLET
 - STORM BEEHIVE INLET
 - STORM INLET
 - TOP OF CASTING
 - INVERT
 - REINFORCED CONCRETE PIPE
 - MANHOLE
 - STRUCTURE
 - DRAINAGE AND UTILITY EASEMENT
 - SANITARY, DRAINAGE, AND UTILITY EASEMENT
 - SANITARY SEWER
 - HANDICAP RAMP
 - MATCH EXISTING GRADE
 - SUBSURFACE DRAIN AND SUMP LINE
 - STORM SEWER
 - GRANULAR BACKFILL
 - CONCRETE END SECTION
 - SUBSURFACE DRAIN
 - SANITARY SEWER PIPE (SDR-35) EXISTING
 - SANITARY SEWER PIPE (SDR-35) PROPOSED
 - TYPICAL
 - PROPOSED
 - EXISTING
 - RADIUS



905																							905
900																							900
895																							895
890																							890
885																							885
880																							880
875																							875
870																							870
865																							865
860																							860



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Entry Date: 8.24.04
Entered by: SLM

MATCH PREVIOUS SHEET STA. 12+00

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RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
9/15/03

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INDIANAPOLIS, INDIANA 46280
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TOLL-FREE (800) 452-6668

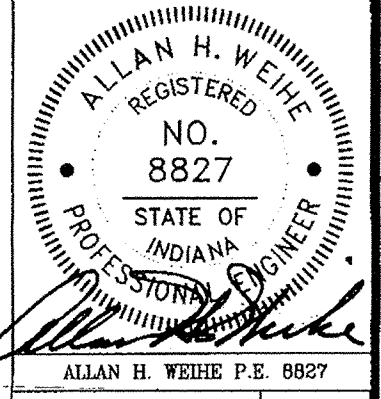
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REGISTERED CIVIL ENGINEER
REGISTERED LAND SURVEYOR
PRESIDENT

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REVISIONS

DATE	BY	DESCRIPTION
9/16/02	EAC	REVISIONS PER T.A.C. REVIEW
10/27/02	EAC	MINOR REVISIONS TO STORM
2/17/03	EAC	MINOR REVISIONS
9/15/03	EAC	STORM SEWER AS-BUILTS

DATE: 9/15/03
DRAWN BY: MAM
CHECKED BY: MAM
DATE: 8/14/02

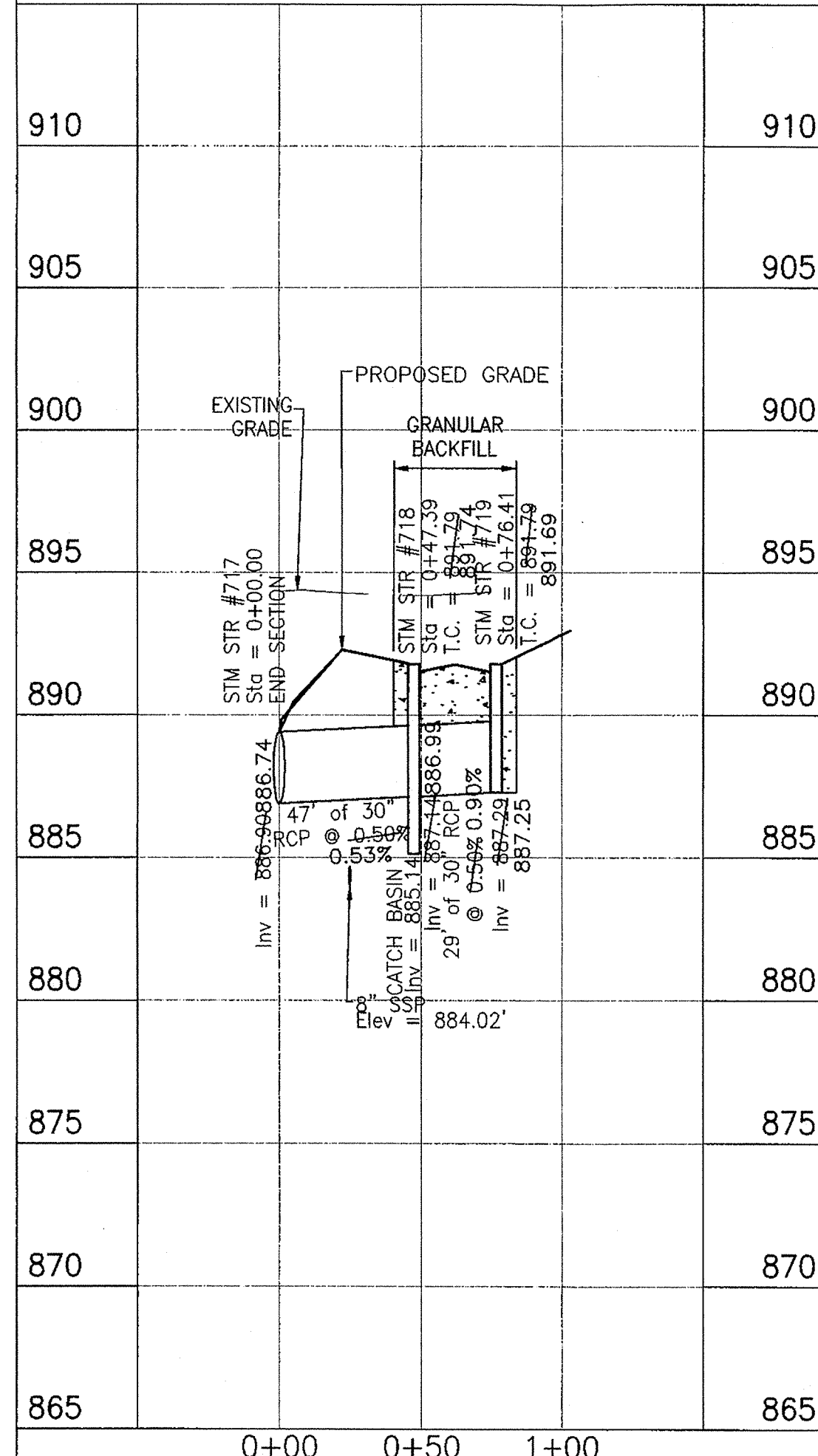
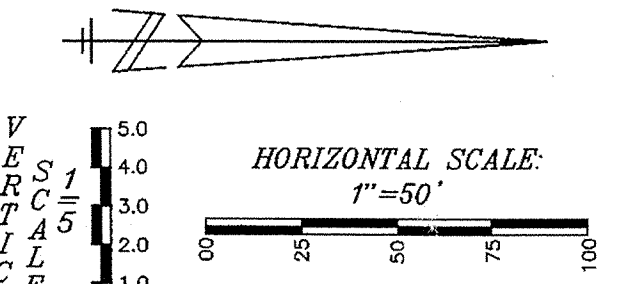
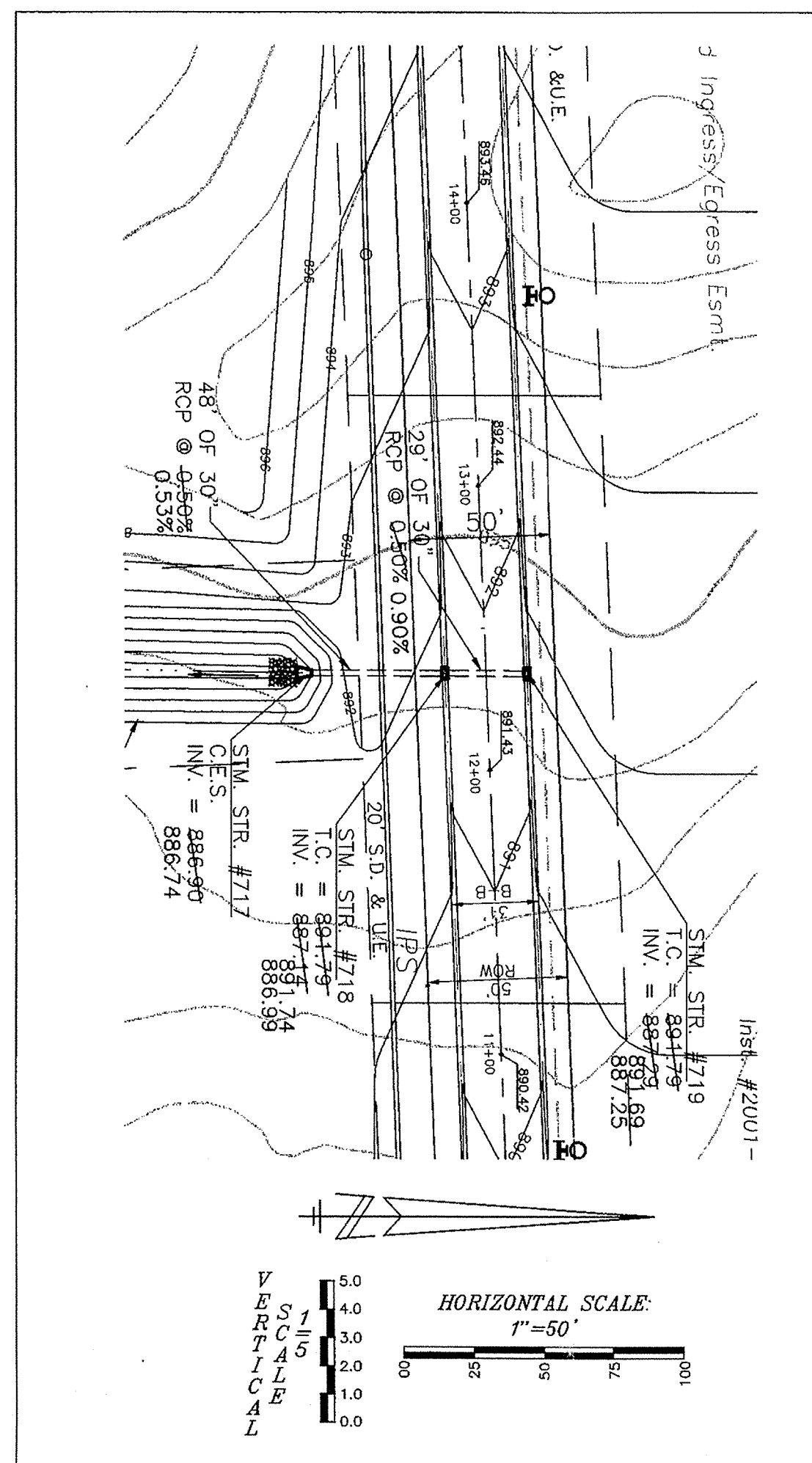
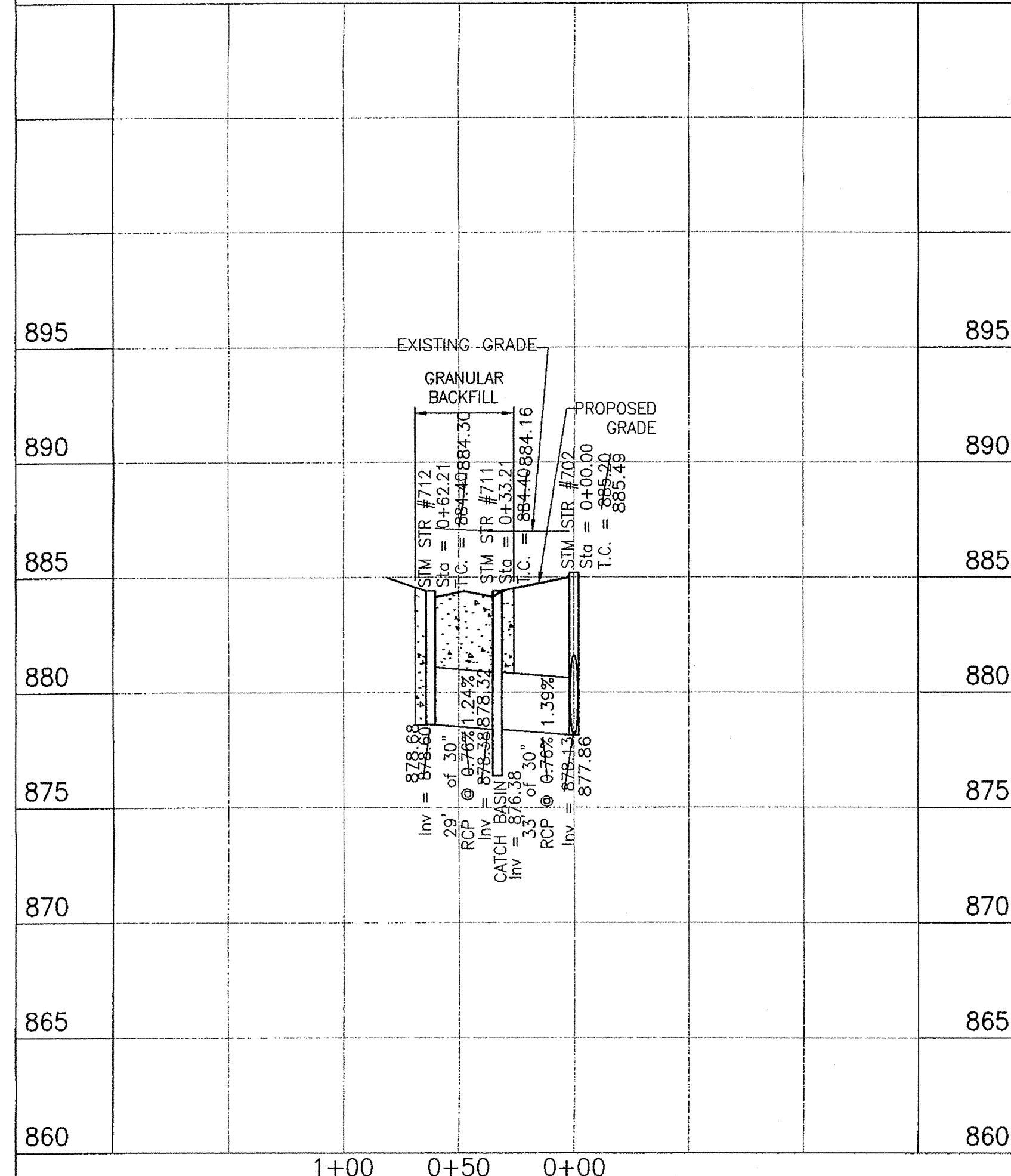
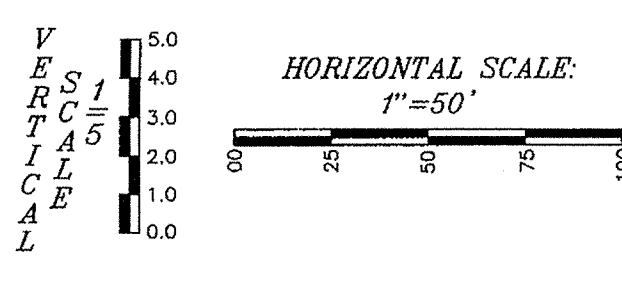
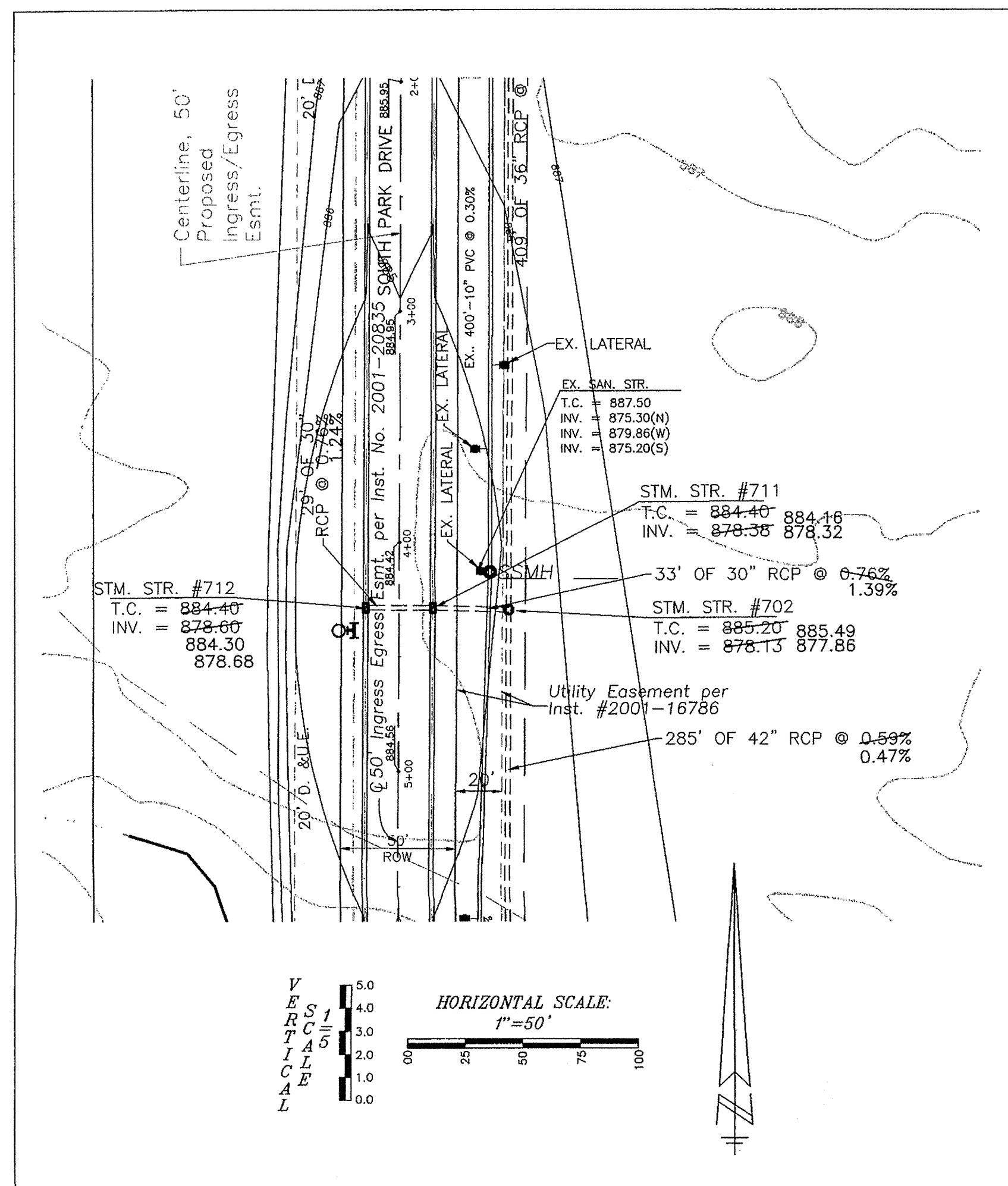


PREPARED FOR:
SOUTHDAK INDUSTRIAL PARK
DALE HINSHAW
STORM PLAN & PROFILE SHEET

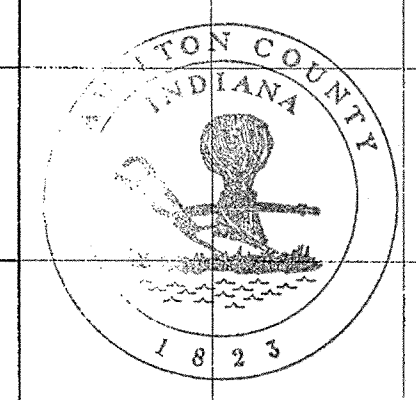
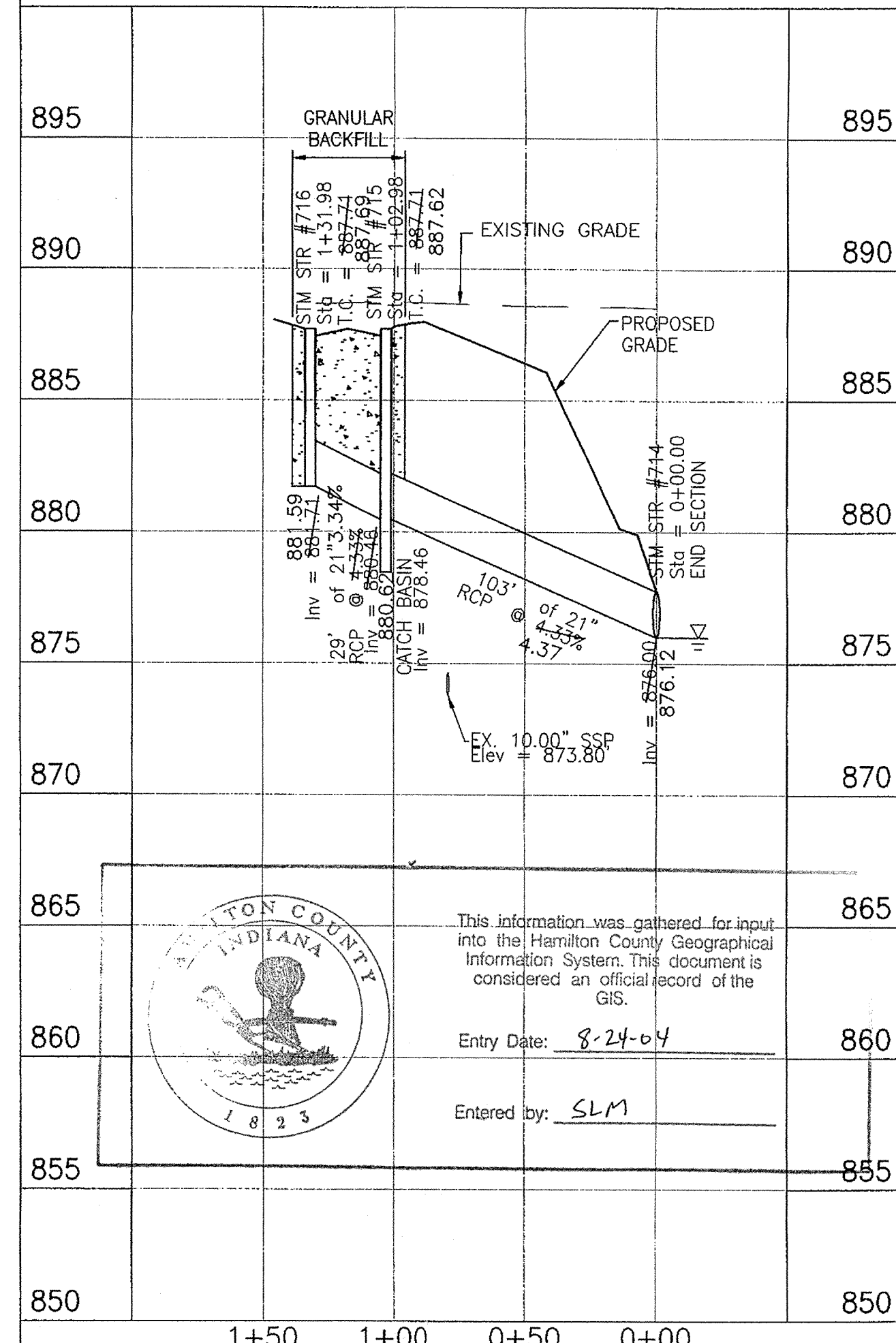
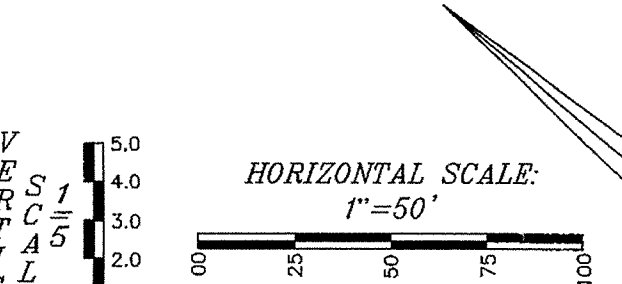
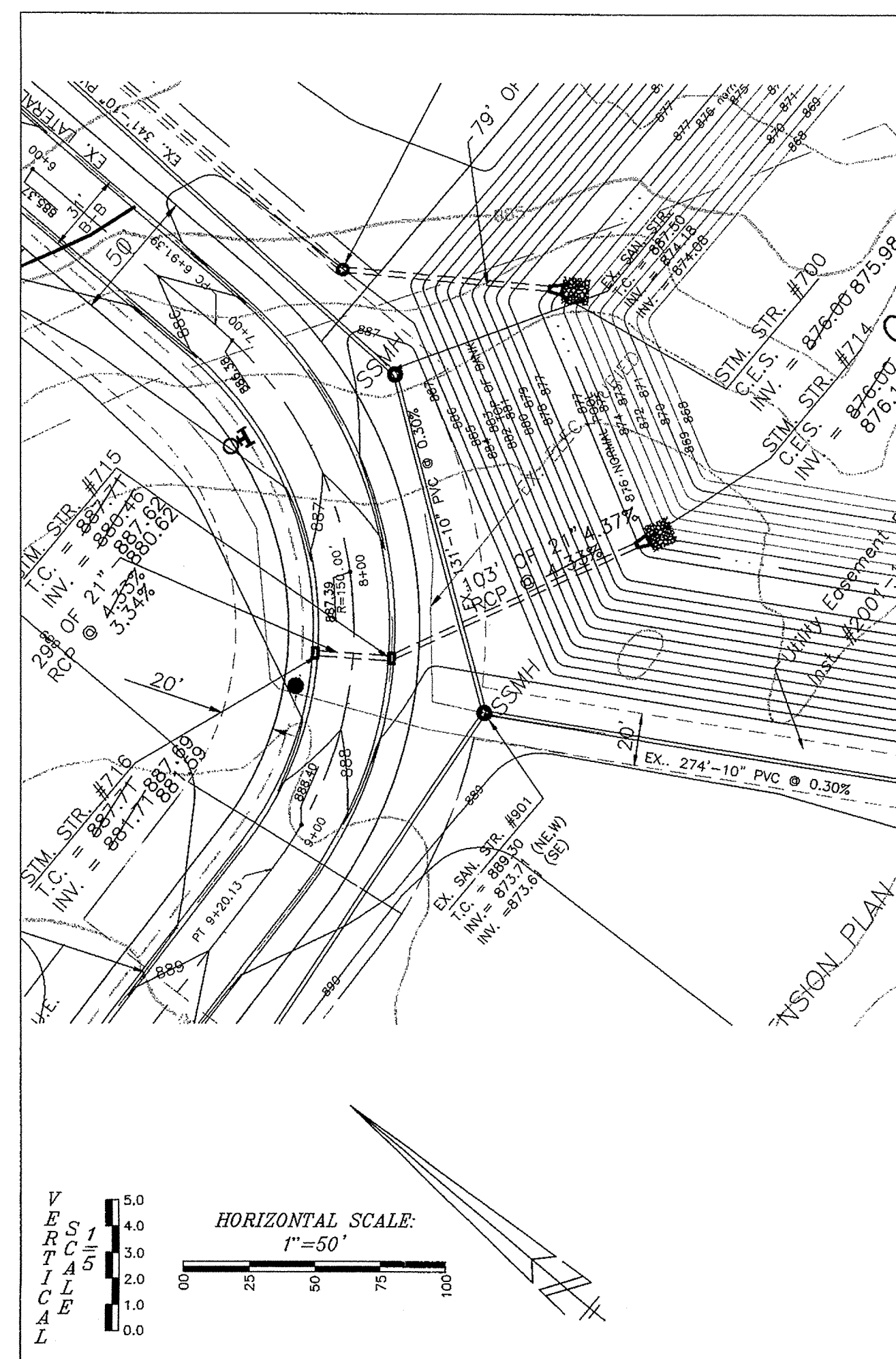
Part of the 1/4" of Section 22, Township 18 North, Range 3 East, Washington Township, Hamilton County, IN.

SHEET NO. **7**
PROJECT NO. W00-1253

LOCATION: H:\2000\W001253\CON-SET\012353.dwg
DATE/TIME: September 15, 2003 - 11:05am
PLOTTER: Bp center



- LEGEND**
- RIGHT-OF-WAY LINE
 - STORM SEWER LINE
 - SWALE
 - SANITARY SEWER LINE
 - SANITARY SEWER MANHOLE
 - SANITARY SEWER LATERAL
 - FLOW DIRECTION
 - EXISTING SPOT ELEVATION
 - EXISTING CONTOURS
 - PROPOSED ELEVATION
 - STORM BEEHIVE INLET
 - STORM INLET
 - TOP OF CASTING
 - INVERT
 - REINFORCED CONCRETE PIPE
 - MANHOLE
 - STRUCTURE
 - DRAINAGE AND UTILITY EASEMENT
 - SANITARY, DRAINAGE, AND UTILITY EASEMENT
 - SANITARY SEWER
 - HANDICAP RAMP
 - MATCH EXISTING GRADE
 - SUBSURFACE DRAIN AND SUMP LINE
 - STORM SEWER
 - GRANULAR BACKFILL
 - CONCRETE END SECTION
 - SUBSURFACE DRAIN
 - SANITARY SEWER PIPE (SDR-35)
 - TYPICAL
 - PROPOSED
 - EXISTING
 - RADIUS



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Entry Date: 8-24-04

Entered by: SLM

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MAR 01 2004
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RECORD DRAWING
STORM SEWER AS-BUILTS
STORM SEWER STRUCTURES ONLY
9/15/03

WEIHE ENGINEERS, INC.
1605 NORTH COLLEGE AVENUE
(317) 846-6611 FAX: (317) 843-6846
TOLL-FREE (800) 452-6608

ALLAN H. WEIHE
REGISTERED CIVIL ENGINEER
REGISTERED LAND SURVEYOR
PRESIDENT

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PROJECT NO.	W00-1253
EAC	
DWG NAME	STORM SEWER AS-BUILTS
DATE	9/15/03
BY	EAC
DATE	8/14/02
REVISIONS	REVISIONS PER P.A.C. REVIEW
	MINOR REVISIONS TO STORM
	ADDED CATCH BASIN TO STR. #701, 711,
	SHEET 718. REVISED WESTFIELD'S DETAIL
	STORM SEWER AS-BUILTS

ALLAN H. WEIHE
REGISTERED
NO. 8827
STATE OF INDIANA
PROFESSIONAL ENGINEER

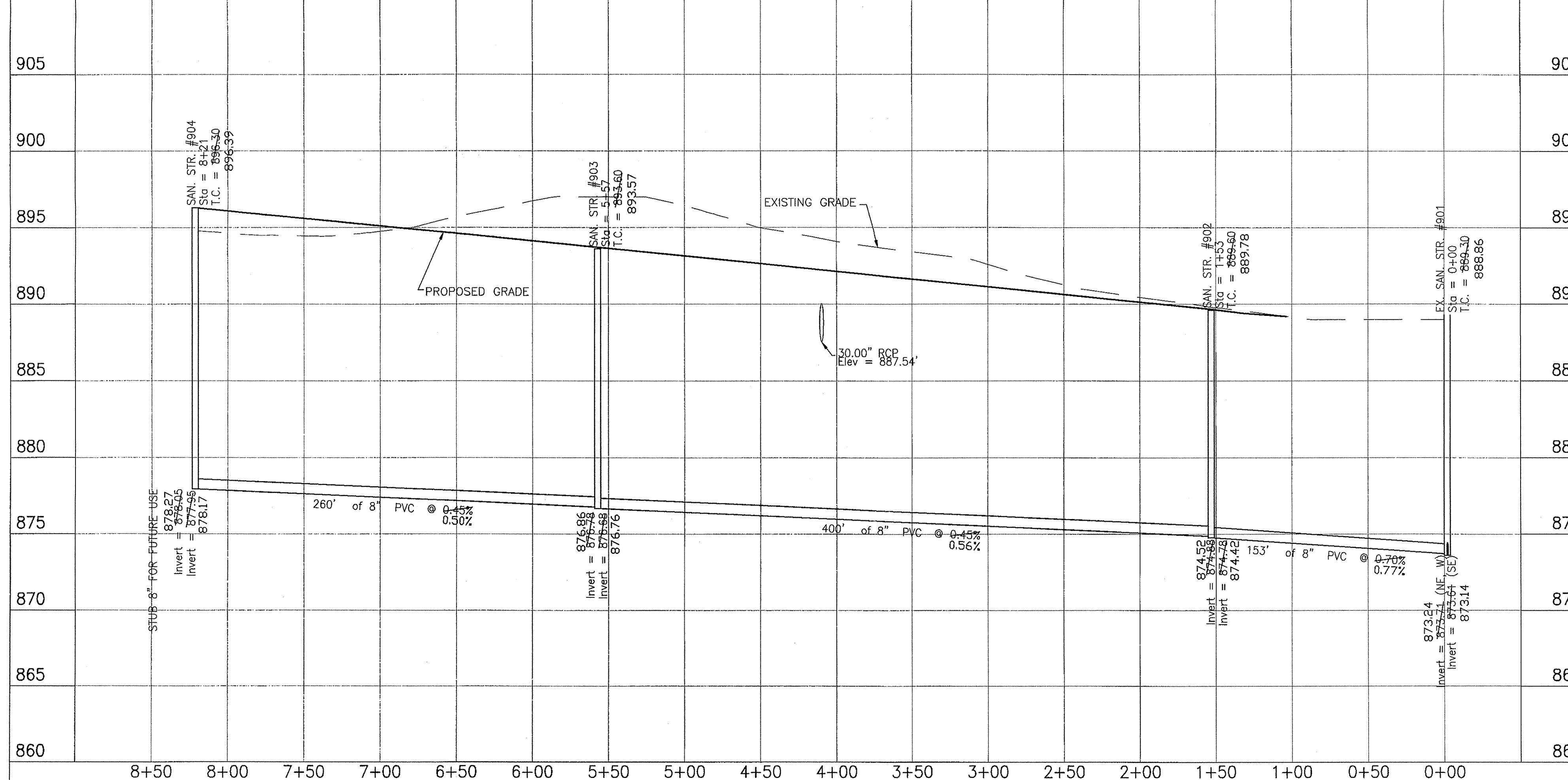
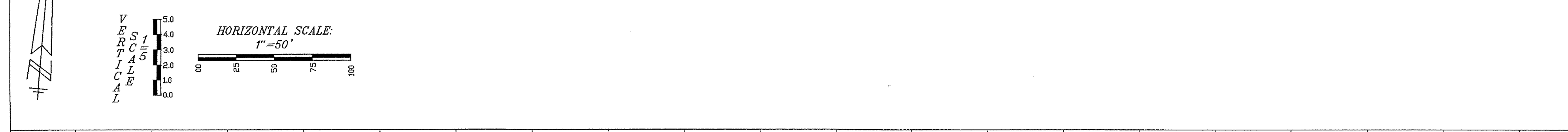
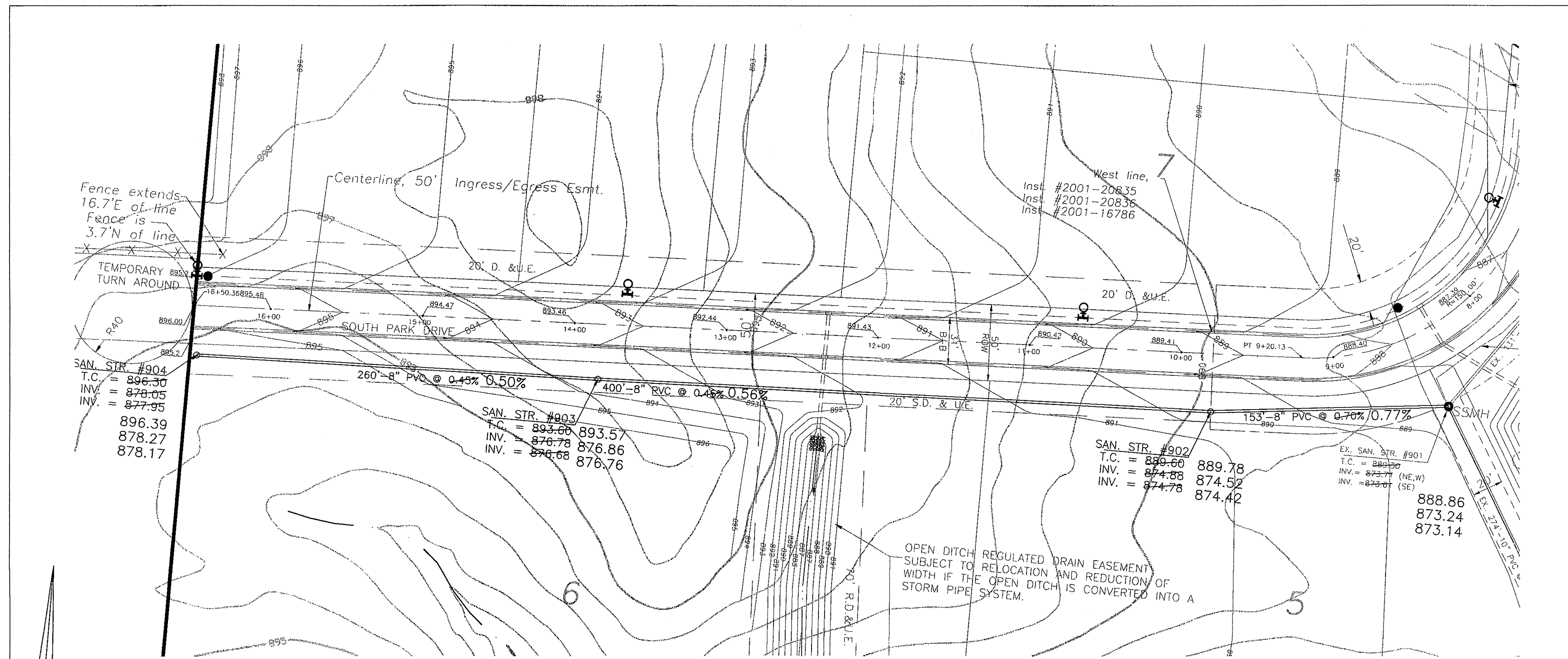
SOUTHOK INDUSTRIAL PARK
DALE HINSHAW
STORM PLAN & PROFILE SHEET
Part of the SR 1/4 of Section 12, Township 18 North, Range 3 East, Hamilton County, IN.

PREPARED FOR:
SOUTHOK INDUSTRIAL PARK
DALE HINSHAW

SHEET NO. **8**

PROJECT NO. **W00-1253**

LOCATION: W:\001253\W00-1253\W001253SU.dwg
DATE/TIME: September 15, 2003 - 11:05am
AUTHOR: SLM



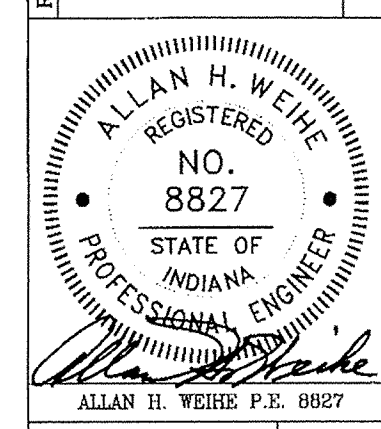
- LEGEND**
- RIGHT-OF-WAY LINE
 - STORM SEWER LINE
 - SWALE
 - SANITARY SEWER LINE
 - SANITARY SEWER MANHOLE
 - SANITARY SEWER LATERAL
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 - STORM BEEHIVE INLET
 - STORM INLET
 - TOP OF CASTING
 - INVERT
 - RCP
 - REINFORCED CONCRETE PIPE
 - MANHOLE
 - STRUCTURE
 - DRAINAGE AND UTILITY EASEMENT
 - SANITARY, DRAINAGE, AND UTILITY EASEMENT
 - SAN
 - H.C.
 - M.E.
 - SANITARY SEWER
 - MATCH EXISTING GRADE
 - SUBSURFACE DRAIN AND SUMP LINE
 - STORM SEWER
 - STM
 - GRANULAR BACKFILL
 - CONCRETE END SECTION
 - SUBSURFACE DRAIN
 - SANITARY SEWER PIPE (SDR-35)
 - TYPICAL
 - PROP.
 - EX.
 - R.

WEIHE ENGINEERS, INC.
 1666 NORTH COLLEGE AVENUE
 INDIANAPOLIS, INDIANA 46204
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DATE	BY	REVISIONS
8/14/02	EAC	PROJECT NO. W00-1253
10/27/03	EAC	DWG NAME: SANITARY SEWER AS-BUILTS
2/17/04	EAC	DATE: 8/14/02
4/29/04	EAC	DESIGNED BY: EAC
2/25/04	EAC	DRAWN BY: EAC
		CHECKED BY: MLJ
		DATE: 8/14/02



INDIANA
 1825

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Entry Date: 8-24-04
 Entered by: SLM

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 OFFICE OF HAMILTON COUNTY SURVEYOR

RECORD DRAWING
 SANITARY SEWER AS-BUILTS
 SANITARY SEWER STRUCTURES ONLY
 2/25/04

PREPARED FOR:
SOUTHDAK INDUSTRIAL PARK
 DALE HINSHAW

SANTARY PLAN & PROFILE SHEET
 Part of the W00-1253 of Section 12, Township 18 North, Range 3 East, Washington Township, Hamilton County, IN.

SHEET NO.
9
 PROJECT NO.
W00-1253

LOCATION: H:\2004\W00-1253\CON-SET\012325A.dwg
 DATE: 2/25/04
 PLOTTED: 2/25/04
 PLOTTED BY: EAC