

Drain: MERRIMAC DRAIN **Drain #:** 278
Improvement/Arm: MERRIMAC - SECTION 1
Operator: JDH **Date:** 2-9-04
Drain Classification: Urban/Rural **Year Installed:** 1994

GIS Drain Input Checklist

- Pull Source Documents for Scanning JJA 2-9
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains JJA 2-9
- Digitize & Attribute SSD JJA 2-9
- Digitize & Attribute Open Ditch N/A
- Stamp Plans JJA 2-9
- Sum drain lengths & Validate JJA 2-10
- Enter Improvements into Posse JJA 2-10
- Enter Drain Age into Posse JJA 3-1
- Sum drain length for Watershed in Posse JJA 3-1
- Check Database entries for errors JJA 2-10



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2230

February 24, 1995

TO: Hamilton County Drainage Board

RE: Merrimac Drain-Section 1

Attached is a petition, non-enforcement request, plans, calculation, quantity summary and assessment roll for the Merrimac Drain-Section 1. 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"	SSD	6113 feet	18"	RCP	174 feet	48"	RCP ¹⁰⁹⁵ 1085 feet
12"	RCP	553 feet	21"	RCP	958 feet		
15"	RCP	1113 feet	24"	RCP	612 feet		
15"	HSCP	60 feet	36"	RCP	854 feet		

The total length of the drain will be 11,532 feet.

The retention pond (lake) located Block A is not to be considered part of the regulated drain. Only the inlet and outlet will be maintained as part of the regulated drain. The maintenance of the pond (lake) will be the responsibility of the Homeowners Association. The Board will however, 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.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed by the construction of this drain. I recommend a maintenance assessment of \$30.00 per lot, \$5.00 per acre for roadways, with a \$30.00 minimum. With this assessment the total annual assessment for this drain/ this section will be \$

Parcels assessed for this drain may be assessed for the Osbron-Collins or Williams Creek 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 designed 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 easement widths as shown on the secondary plat for Merrimac Section 1 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for April 1995.



Kenton C. Ward
Hamilton County Surveyor
KCW/no

Fidelity and Deposit Company

HOME OFFICE

OF MARYLAND

BALTIMORE, MD. 21203

SUBDIVISION BOND

#3063 77 31

KNOW ALL MEN BY THESE PRESENTS, That we, Central Engineering & Construction Associates, Inc., Merrimac Corp., M. Kathleen McKinney-Stasey and Walter Stasey as Principal, and Fidelity and Deposit Company of Maryland, of Baltimore, Maryland, as Surety, are held and firmly bound unto the Hamilton County Commissioners and Town of Westfield, Indiana in the sum of Two Hundred Thirty Thousand Four Hundred Sixty & no/100 (\$ 230,460.00) Dollars for the payment of which, well and truly to be made, we jointly and severally bind ourselves, our heirs, legatees, executors, administrators, personal representatives, successors and assigns firmly by these presents.

Sealed with our seals and dated this 25th day of May 1994.

THE CONDITIONS OF THE ABOVE OBLIGATION ARE SUCH THAT:

Whereas, the Hamilton County Commissioners and Town of Westfield, Indiana has granted Central Engineering & Construction Associates, Inc., Merrimac Corp., M. Kathleen McKinney-Stasey and Walter Stasey a permit to construct Storm Sewers, Merrimac Subdivision

Now, if said Central Engineering & Construction Associates, Inc. Merrimac Corp., M. Kathleen McKinney-Stasey and Walter Stasey shall improve said Storm Sewers, Merrimac Subdivision in accordance with specifications and regulations of the Hamilton County Commissioners and Town of Westfield, Indiana and comply with all of the provisions of said permit then this obligation to be void, otherwise to be and remain in full force and effect.

CENTRAL ENGINEERING & CONSTRUCTION ASSOCIATES, INC.

BY: M. Kathleen McKinney-Stasey
M. Kathleen McKinney-Stasey

BY: Karen Marie Downer, P.E.
MERRIMAC CORP.

BY: Walter Stasey
Walter Stasey

BY: Steven E. Wolf

FIDELITY AND DEPOSIT COMPANY OF MARYLAND

BY: Steven E. Wolf
Steven E. Wolf - Attorney-in-Fact

(SEE OTHER SIDE)

"There shall be no liability on the part of the Principal or Surety under this bond to the Obligees, or either of them, unless the Obligees, or either of them, shall make payments to the Principal, or to the Surety in case it arranges for completion of the Contract upon default of the Principal, strictly in accordance with the terms of said Contract as to payments, and shall perform all the other obligations required to be performed under said Contract at the time and in the manner therein set forth."

Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
HOME OFFICE, BALTIMORE, MD

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, a corporation of the State of Maryland, by C. M. PECOT, JR., Vice-President, and C. W. ROBBINS, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Company, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, does hereby nominate, constitute and appoint William E. Frick, Jr., Steven E. Wolf, Anthony E. Ortman, Andrew M. Hatheway and Eric A. Schieferstein, all of Indianapolis, Indiana, EACH, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings.....

And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Md., in their own proper persons. This power of attorney revokes that issued on behalf of Jan L. Jacobs, etal, dated January 31, 1991.

The said Assistant Secretary does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article VI, Section 2, of the By-Laws of said Company, and is now in force.
IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 4th day of January, A.D. 1994.



FIDELITY AND DEPOSIT COMPANY OF MARYLAND

C. W. Robbins
Assistant Secretary

By *C. M. Pecot, Jr.*
Vice-President

STATE OF MARYLAND }
COUNTY OF BALTIMORE } ss:

On this 4th day of January, A.D. 1994, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, came C. M. PECOT, JR., Vice-President and C. W. ROBBINS, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself depose and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



Carol J. Fader
CAROL J. FADER Notary Public
My Commission Expires August 1, 1996

CERTIFICATE

I, the undersigned, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the Vice-President who executed the said Power of Attorney was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact as provided in Article VI, Section 2, of the By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND.

This Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 16th day of July, 1969.

RESOLVED: "That the facsimile or mechanically reproduced signature of any Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed."

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company, this 25th day of May, 1994.

Gregory Hamilton
Assistant Secretary

EXTRACT FROM BY-LAWS OF FIDELITY AND DEPOSIT COMPANY OF MARYLAND

"Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgements, decrees, mortgages and instruments in the nature of mortgages, . . . and to affix the seal of the Company thereto."

Fidelity and Deposit Company

HOME OFFICE OF MARYLAND BALTIMORE, MD. 21203

SUBDIVISION BOND #3063 77 30

KNOW ALL MEN BY THESE PRESENTS, That we, Central Engineering & Construction Associates, Inc., Merrimac Corp., M. Kathleen McKinney-Stasey and Walter Stasey as Principal, and Fidelity and Deposit Company of Maryland, of Baltimore, Maryland, as Surety, are held and firmly bound unto the Hamilton County Commissioners and Town of Westfield, Indiana in the sum of Fifteen Thousand Three Hundred Fifty & no/100 - (\$ 15,350.00) Dollars for the payment of which, well and truly to be made, we jointly and severally bind ourselves, our heirs, legatees, executors, administrators, personal representatives, successors and assigns firmly by these presents.

Sealed with our seals and dated this 25th day of May 19 94.

THE CONDITIONS OF THE ABOVE OBLIGATION ARE SUCH THAT:

Whereas, the Hamilton County Commissioners and Town of Westfield, Indiana has granted Central Engineering & Construction Associates, Inc., Merrimac Corp., M. Kathleen McKinney-Stasey and Walter Stasey a permit to construct Erosion Control, Merrimac Subdivision

Now, if said Central Engineering & Construction Associates, Inc., Merrimac Corp., M. Kathleen McKinney-Stasey and Walter Stasey shall improve said Erosion Control, Merrimac Subdivision in accordance with specifications and regulations of the Hamilton County Commissioners and Town of Westfield, Indiana and comply with all of the provisions of said permit then this obligation to be void, otherwise to be and remain in full force and effect.

BY: M. Kathleen McKinney-Stasey CENTRAL ENGINEERING & CONSTRUCTION ASSOCIATES, INC.
M. Kathleen McKinney-Stasey
BY: Walter Stasey, Pres MERRIMAC CORP.
Walter Stasey

FIDELITY AND DEPOSIT COMPANY OF MARYLAND

BY: Steven E. Wolf
Steven E. Wolf - Attorney-in-Fact

(SEE OTHER SIDE)

"There shall be no liability on the part of the Principal or Surety under this bond to the Obligees, or either of them, unless the Obligees, or either of them, shall make payments to the Principal, or to the Surety in case it arranges for completion of the Contract upon default of the Principal, strictly in accordance with the terms of said Contract as to payments, and shall perform all the other obligations required to be performed under said Contract at the time and in the manner therein set forth."

Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

HOME OFFICE, BALTIMORE, MD

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And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Md., in their own proper persons. This power of attorney revokes that issued on behalf of Jan L. Jacobs, etal, dated January 31, 1991.

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IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 4th day of January, A.D. 1994.



FIDELITY AND DEPOSIT COMPANY OF MARYLAND

C. M. Pecot, Jr.
Assistant Secretary

By *C. W. Robbins*
Vice-President

STATE OF MARYLAND
COUNTY OF BALTIMORE

ss:

On this 4th day of January, A.D. 1994, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, came C. M. PECOT, JR., Vice-President and C. W. ROBBINS, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself depose and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



Carol J. Fader
CAROL J. FADER Notary Public
My Commission Expires August 1, 1996

CERTIFICATE

I, the undersigned, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the Vice-President who executed the said Power of Attorney was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact as provided in Article VI, Section 2, of the By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND.

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IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company, this 25th day of May, 1994

Gregory Hamilton
Assistant Secretary

L1428c-044

EXTRACT FROM BY-LAWS OF FIDELITY AND DEPOSIT COMPANY OF MARYLAND

"Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgements, decrees, mortgages and instruments in the nature of mortgages, . . . and to affix the seal of the Company thereto."

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Merrimac Section One
Westfield, Indiana

FILED

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: October 9, 1995

Type or Print Name: Donald M. Gwinnup, Jr.

Business Address: 6910 N Shadeland Ave., Suite 200, Indianapolis, IN 46220

Telephone Number: (317) 577-0069

SEAL



INDIANA REGISTRATION NUMBER

19864



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2230 ~~January 5, 1996~~

TO: Hamilton County Drainage Board

RE: Merrimac Drain Drain-Section 1

Attached are as-builts, certificate of completion and compliance, and other information for Merrimac Section 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 February 24, 1995. The changes are as follows:

STR 35-36	21" RCP	Shortened from	132 feet to	85 feet
STR 36-36A	21" RCP	Lengthened from	35 feet to	86 feet
STR 36B-End Section	21" RCP	Lengthened from	48 feet to	60 feet
STR 38-35	15" RCP	Lengthened from	78 feet to	81 feet
STR 39-End Section	24" RCP	Shortened from	454 feet to	452 feet
STR 31-End Section	48" HCSP	Shortened from	148 feet to	137 feet
STR 15-14	48" RCP	Shortened from	555 feet to	553 feet
STR 37-11	12" RCP	Shortened from	212 feet to	211 feet ✓
STR 10-11	36" RCP	Lengthened from	298 feet to	299 feet
STR 11-12	36" RCP	Shortened from	163 feet to	162 feet
STR 12-13	36" RCP	Shortened from	25 feet to	15 feet
STR 13-14	36" RCP	Lengthened from	163 feet to	197 feet
STR 26-27	12" RCP	Lengthened from	48 feet to	50 feet ✓
STR 31-30	21" RCP	Shortened from	23 feet to	21 feet
STR 30-29	21" RCP	Lengthened from	30 feet to	33 feet
STR 27-24	15" RCP	Shortened from	127 feet to	125 feet
STR 24 to 25	12" RCP	Lengthened from	54 feet to	55 feet ✓
STR 21 to 22	12" RCP	Lengthened from	38 feet to	40 feet ✓
STR 16 to 17	12" RCP	Shortened from	161 feet to	155 feet ✓
STR 17 to 18	15" RCP	Lengthened from	24 feet to	33 feet
STR 18 to 20	21" RCP	Shortened from	177 feet to	175 feet
STR 20 to 22	21" RCP	Lengthened from	38 feet to	41 feet

page #2


The length of the drain due to the changes described above is now ~~11,556~~ feet.

11,544

The non-enforcement request was approved by the Board at its meeting on April 24, 1995.

The Bond of Letter of Credit from Fidelity and Deposit company of Maryland, Numbers, #30637730-Erosion Control and #30637731-Storm Sewers, dated May 25, 1994, in the amounts of \$230,460.00 and \$15,350.00, has been recommended for release in a letter to the Commissioners dated November 27, 1995.

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

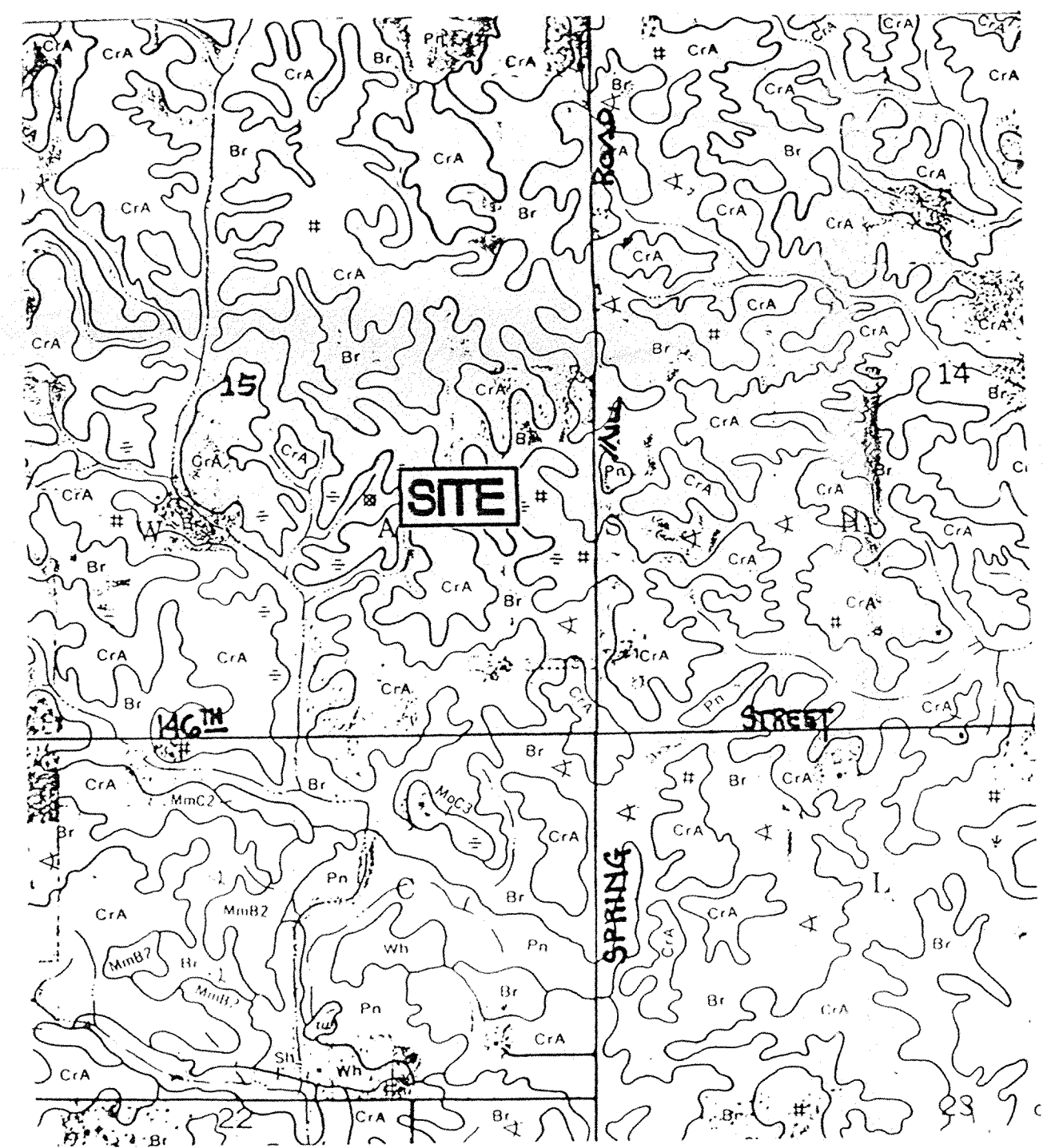


SLM

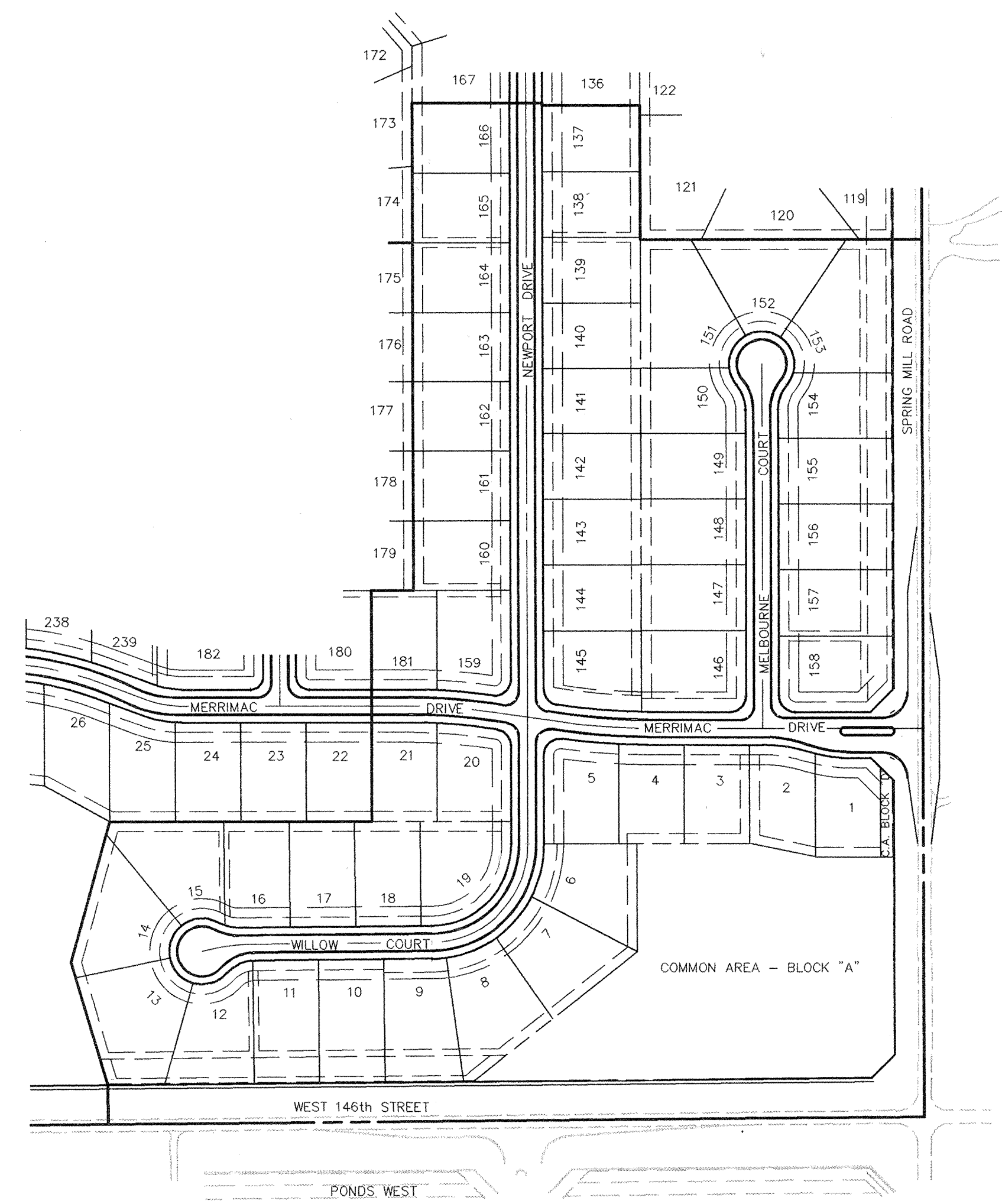
Kenton C. Ward
Hamilton County Surveyor
KCW/no

Asbuilt HS

SITE CONSTRUCTION PLANS FOR MERRIMAC SUBDIVISION SECTION ONE WESTFIELD, INDIANA



SOILS MAP



This information was obtained from the Hamilton County GIS Department. It is considered an official record of the County.

Entry Date: 2-9-04

Entered by: JDH

INDEX	
SHT. NO.	DESCRIPTION
CS	TITLE SHEET
C201	SITE DEVELOPMENT PLAN
C202	SITE DEVELOPMENT PLAN
C203	SOIL EROSION CONTROL PLAN
C301	STREET PLAN & PROFILE
C302	STREET PLAN & PROFILE
C303	STREET PLAN & PROFILE
C401	ENTRY DETAIL
C402	INTERSECTION & CUL-DE-SAC DETAILS
C501	SANITARY SEWER PLAN & PROFILE
C502	SANITARY SEWER PLAN & PROFILE
C503	SANITARY SEWER PLAN & PROFILE
C504	SANITARY SEWER PLAN & PROFILE
C505	OFF-SITE SANITARY SEWER PLAN & PROFILE
C506	OFF-SITE SANITARY SEWER PLAN & PROFILE
C701	STORM SEWER PLAN & PROFILE
C702	STORM SEWER PLAN & PROFILE
C703	STORM SEWER PLAN & PROFILE
C704	STORM SEWER PLAN & PROFILE
C705	STORM SEWER PLAN & PROFILE
C706	STORM SEWER PLAN & PROFILE
C801	SITE DETAILS
C802	SITE DETAILS
C901	SITE SPECIFICATIONS

BENCHMARK

T.B.M.#1

U.S.G.S. 93 RHP (1951)
BRONZE TABLET SET IN CONCRETE POST,
ON THE SOUTH SIDE OF 146th STREET,
± 25' WEST OF THE CL OF DITCH ROAD.

ELEVATION = 903.373

Asbuilt

PLANS PREPARED FOR:

MERRIMAC CORPORATION
6910 SHADELAND AVENUE, SUITE 200
INDIANAPOLIS, INDIANA 46220
(317) 595-9191

PLANS PREPARED BY:

MPA

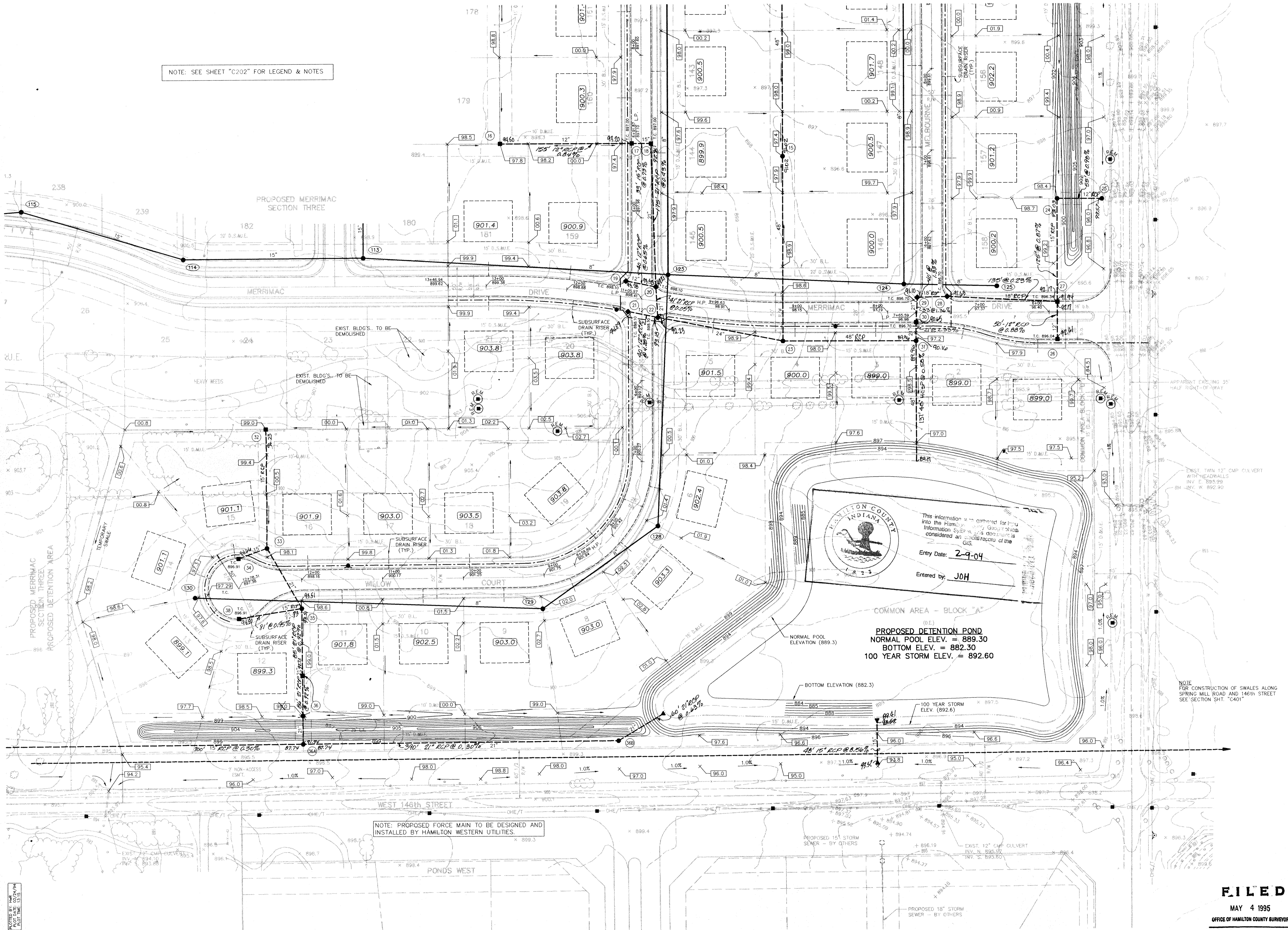
MELTON-PACKARD AND ASSOCIATES
6910 SHADELAND AVENUE, SUITE 200
INDIANAPOLIS, INDIANA 46220
(317) 577-0069

PRINTED
MAY 02 1995
MELTON-PACKARD

LOCATION MAP

FILED
MAY 4 1995
OFFICE OF HAMILTON COUNTY SURVEYOR

NOTE: SEE SHEET "C202" FOR LEGEND & NOTES



PROPOSED MERRIMAC SECTION THREE

MERRIMAC DRIVE

WILLOW COURT

WEST 146th STREET

NOTE: PROPOSED FORCE MAIN TO BE DESIGNED AND INSTALLED BY HAMILTON WESTERN UTILITIES.

HAMILTON COUNTY INDIANA
This information was gathered for this into the Hamilton County Geographic Information System. This document is considered an official record of the GIS.
Entry Date: 2-9-04
Entered by: JOH

COMMON AREA - BLOCK "A"
(D.E.)
PROPOSED DETENTION POND
NORMAL POOL ELEV. = 889.30
BOTTOM ELEV. = 882.30
100 YEAR STORM ELEV. = 892.60

MPA
MELTON-PACKARD & ASSOCIATES
Civil Engineers • Land Surveyors
6810 N. Shadeland Avenue • Indianapolis, Indiana 46226 • (317) 377-0669

SITE DEVELOPMENT PLAN
MERRIMAC
SECTION ONE
WESTFIELD, INDIANA

SHEET TITLE:
PROJECT NAME:

REVISIONS
01/26/94 - GENERAL REVISIONS
02/18/94 - AS PER H.C.H.D.
03/21/94 - AS PER HAMILTON CO.
PRINTED

MAY 02 1995
MELTON-PACKARD

DONALD M. GWINN, J.R.
REGISTERED
No. 19864
STATE OF INDIANA
PROFESSIONAL ENGINEER

North arrow pointing up.

SCALE: 1" = 50'

DRAWING: 9307DP1.DWG
DATE: 12/27/93
PROJ. NO.: 9307
DRAWN BY: dwp

SHEET NO.:
C201
TUBE FILE #

FILED
MAY 4 1995
OFFICE OF HAMILTON COUNTY SURVEYOR

= LEGEND =

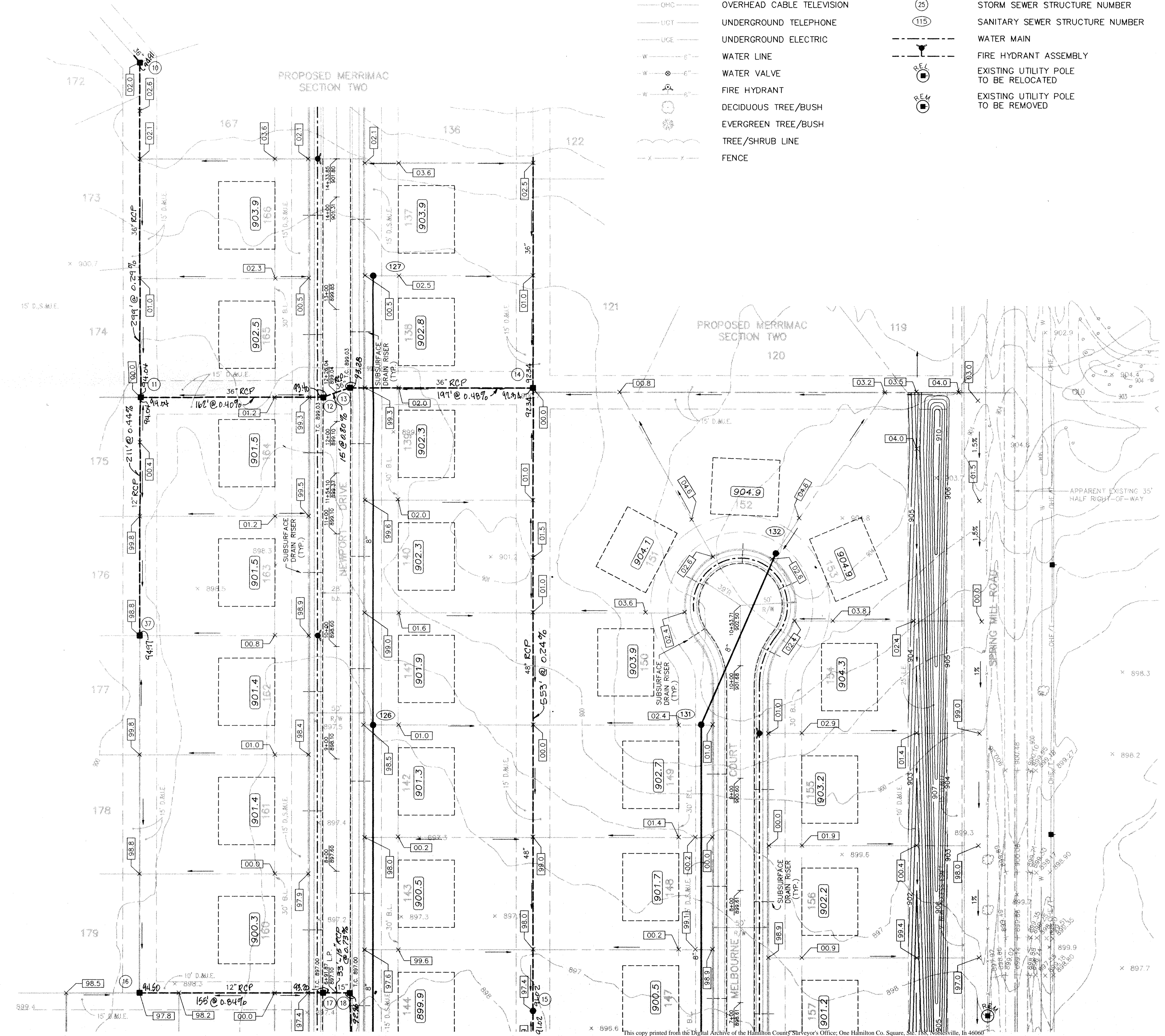
EXISTING	PROPOSED
SPOT ELEVATION	TOP OF CURB ELEV.
CONTOUR	GUTTER ELEV.
MANHOLE/INLET	MINIMUM PAD ELEVATION
INLET	FORCE MAIN
PIPE END SECTION	SANITARY SEWER
AREA/STREET LIGHT	MANHOLE
UTILITY POLE	STORM SEWER
UTILITY POLE WITH GUY LINE	INLET
OVERHEAD ELECTRIC	PIPE END SECTION
OVERHEAD TELEPHONE	SUBSURFACE DRAIN
OVERHEAD CABLE TELEVISION	STORM SEWER STRUCTURE NUMBER
UNDERGROUND TELEPHONE	SANITARY SEWER STRUCTURE NUMBER
UNDERGROUND ELECTRIC	WATER MAIN
WATER LINE	FIRE HYDRANT ASSEMBLY
WATER VALVE	TO BE RELOCATED
FIRE HYDRANT	EXISTING UTILITY POLE TO BE REMOVED
DECIDUOUS TREE/BUSH	
EVERGREEN TREE/BUSH	
TREE/SHRUB LINE	
FENCE	

- NOTES:**
- BEARING, DIMENSIONS, AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY AND DO NOT NECESSARILY DEPICT ACTUAL RECORDED INFORMATION. SEE RECORDED PLAT FOR EXACT INFORMATION.
 - WATER SERVICE TO BE DESIGNED AND INSTALLED BY HAMILTON WESTERN UTILITIES.
 - ALL DISTURBED GROUND SHALL BE PROVIDED WITH EROSION CONTROL METHODS IMMEDIATELY SUBSEQUENT TO DISTURBANCE, SUBJECT TO WEATHER (SEE SHEET NO. C203 FOR EROSION CONTROL SPECIFICATIONS).
 - THE FOLLOWING UTILITY COMPANIES WILL PROVIDE DESIGN AND LAYOUT OF THEIR RESPECTIVE UTILITIES.
 - ELECTRIC - PUBLIC SERVICE OF INDIANA
 - TELEPHONE - INDIANA BELL TELEPHONE
 - GAS - CITIZENS GAS AND COKE
 - SERVICE WALKS TO BE INSTALLED ON BOTH SIDES OF STREET (BY OTHERS) AND SHALL BE NON-REINFORCED CONCRETE 4" THICK (6" THICK UNDER DRIVEWAYS) AND 4' IN WIDTH (SEE TYPICAL SECTION SHEET NO. C810).
 - EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTIONS AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SCORES ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS, CONTRACTION JOINTS AND PERPENDICULAR SIDEWALKS AT 5' INTERVALS OR LESS WITH A CONTRACTION JOINT EVERY 20' OR LESS.
 - THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MAINS, CONDUITS, SERVICE LINES, ETC., IN THE AFFECTED CONSTRUCTION AREA. EXISTING UTILITY STRUCTURES ARE SHOWN HERE IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION (IN COOPERATION WITH APPLICABLE UTILITY COMPANY) IS THE EXPRESSED RESPONSIBILITY OF THE CONTRACTOR.
 - RCP = REINFORCED CONCRETE PIPE CLASS III
 PVC = POLYVINYL CHLORIDE
 - SANITARY SEWER - ASTM D-3034, SDR-35
 HCSP = HELICALLY CORRUGATED STEEL PIPE - 16 GAUGE ALUMINIZED
 - TC = TOP OF CURB = TOP OF CASTING.
 - 6" SUBSURFACE DRAIN TO BE INSTALLED UNDER CURB (SEE DETAIL).
 - ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT HAMILTON COUNTY AND TOWN OF WESTFIELD STANDARD SPECIFICATIONS.
 - REINFORCED CONCRETE STORM SEWER SHALL HAVE "O" RING GASKETS UNLESS OTHERWISE NOTED ON PLANS.
 - EXISTING TOPOGRAPHY PROVIDED BY ACCU-AIR SURVEYS, INC. OF SEYMOUR, INDIANA.

REFER TO THE FOLLOWING SHEETS FOR APPROPRIATE INFORMATION . . .

SITE DEVELOPMENT	C201 thru C202
SOIL EROSION CONTROL METHODS	C203
KEY PLAN	C203
STREET CONSTRUCTION	C301 thru C402
SANITARY SEWER CONSTRUCTION	C501 thru C506
STORM SEWER CONSTRUCTION	C701 thru C705
SITE DETAILS	C801 thru C802
SITE SPECIFICATIONS	C901

D,S&U.E. DRAINAGE, SANITARY SEWER AND UTILITY EASEMENT
 BL BUILDING LINE



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Entry Date: 2-9-04

Entered by: JDH

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SITE DEVELOPMENT PLAN
 MERRIMAC
 SECTION ONE
 WESTFIELD, INDIANA

SHEET TITLE: _____
 PROJECT NAME: _____

REVISIONS

01/26/94 - GENERAL REVISIONS	AMP
03/21/94 - AS PER HAM CO. D	Ham

MAY 02 1995
 MELTON-PACKARD

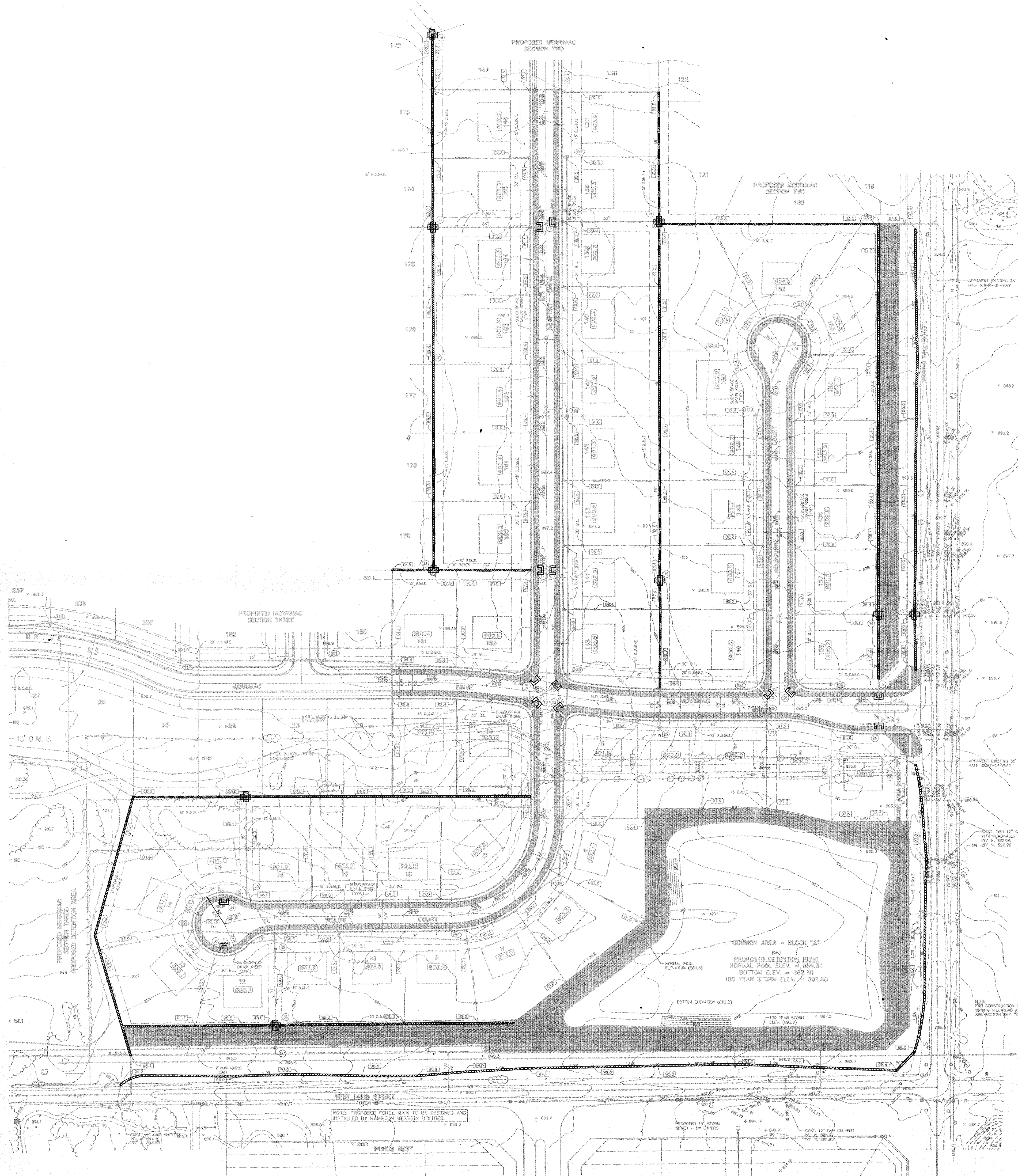
NORTH

SCALE: 1" = 50'

DRAWING: 9307DP1.DWG
 DATE: 12/27/93
 PROJ. NO.: 9307
 DRAWN BY: dwp

SHEET NO.:
C202

TUBE FILE #



=LEGEND=

EXISTING	PROPOSED
SPOT ELEVATION	SPOT ELEVATION
CONTOUR	GRADE
MANHOLE/INLET	MINIMUM PAD ELEVATION
INLET	FORCE MAIN
PIPE END SECTION	SANITARY SEWER
AREA/STREET LIGHT	MANHOLE
UTILITY POLE	STORM SEWER
UTILITY POLE WITH GUY LINE	INLET
OHE OVERHEAD ELECTRIC	PIPE END SECTION
OHT OVERHEAD TELEPHONE	SUBSURFACE DRAIN
OHC OVERHEAD CABLE TELEVISION	STORM SEWER STRUCTURE NUMBER
UGT UNDERGROUND TELEPHONE	SANITARY SEWER STRUCTURE NUMBER
UGE UNDERGROUND ELECTRIC	WATER MAIN
W-W WATER LINE	FIRE HYDRANT
W-V WATER VALVE	EXISTING UTILITY POLE TO BE RELOCATED
F-H FIRE HYDRANT	STRAW BALE DAM
D-T DECIDUOUS TREE/BUSH	GRAVEL INLET FILTER
E-T EVERGREEN TREE/BUSH	STRAW BALE DROP INLET PROTECTION
T-S TREE/SHRUB LINE	EROSION MAT
F-F FENCE	REQUIRED SEEDING

SEEDING REQUIREMENTS:

- 1.) TEMPORARY SEED STREET RIGHT-OF-WAY IMMEDIATELY SUBSEQUENT TO COMPLETION OF STREET CONSTRUCTION.
- 2.) FINAL SEEDING REQUIRED ON ALL SWALE BOTTOMS.
- 3.) FINAL SEEDING AND MULCHING REQUIRED ON BANKS OF PROPOSED DETENTION POND.
- 4.) REGRADING, RESEEDING AND EROSION MAT MAY BE REQUIRED IN AREAS OF RUTTING.

SOIL EROSION CONTROL SUMMARY

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 SODDED OR SEEDED AND MULCHED IMMEDIATELY UPON COMPLETION). TEMPORARY SEEDING SHALL BE RECOMMENDED FOR ALL SWALES AND DISTURBED AREAS THAT CANNOT BE FINAL SEEDDED WITHIN A TIME PERIOD THAT WILL PREVENT SOIL EROSION. FOR TEMPORARY SEEDING, THE CONTRACTOR SHALL UTILIZE A FAST GROWING SEED OF EITHER OATS, ANNUAL RYEGRASS, WHEAT OR RYE DEPENDING UPON TIME OF YEAR. DISTURBED AREAS SHOULD BE KEPT TO A MINIMUM AT ALL TIMES.
3. CONTRACTOR SHALL CONTROL MUD ACCUMULATION ON ALL STREETS SURROUNDING THE 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 ADDITIVES OR OTHER APPROVED METHODS.
4. 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 SOIL 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 AND RIP RAP NOT SHOWN ON PLANS AND SEEDING SHALL BE ON A UNIT BASIS.
5. CONTRACTOR SHALL INSTALL ALL STORM SEWER INLET FILTERS AS STORM SEWER SYSTEM IS INSTALLED.
6. ALL PROPOSED STREET AREAS TO BE PAVED AS SOON AS POSSIBLE AFTER SUBGRADE IS PREPARED.
7. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS ONLY WHEN THERE IS A SUFFICIENT GROWTH OF GROUND COVER TO PREVENT FURTHER EROSION.

REFER TO THE FOLLOWING SHEETS FOR APPROPRIATE INFORMATION . . .

SITE DEVELOPMENT	C201 thru C202
SOIL EROSION CONTROL METHODS	C203
KEY PLAN	C203
STREET CONSTRUCTION	C301 thru C402
SANITARY SEWER CONSTRUCTION	C501 thru C506
STORM SEWER CONSTRUCTION	C701 thru C704
SITE DETAILS	C801
SITE SPECIFICATIONS	C901

D,S.&U.E. DRAINAGE, SANITARY SEWER AND UTILITY EASEMENT BUILDING LINE
BL

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Entered by: JDH



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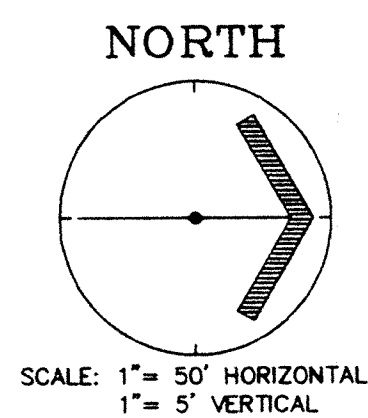
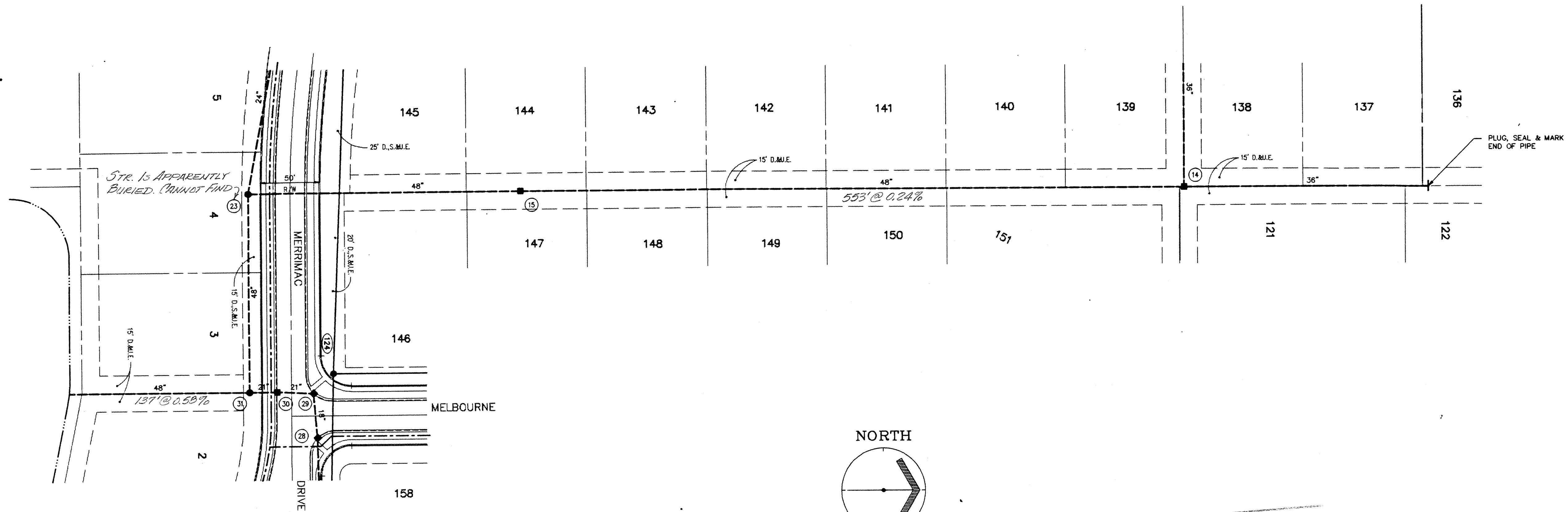
SOIL EROSION CONTROL PLAN
MERRIMAC
SECTION ONE
WESTFIELD, INDIANA

SHEET TITLE: PROJECT NAME:
REVISED: 03/21/94 - AS PER HAMILTON CO. dep
PRINTED
MAY 02 1995
MELTON-PACKARD

REGISTERED PROFESSIONAL ENGINEER
DONALD M. GWINN, P.E.
No. 19864
STATE OF INDIANA
Professional Engineer

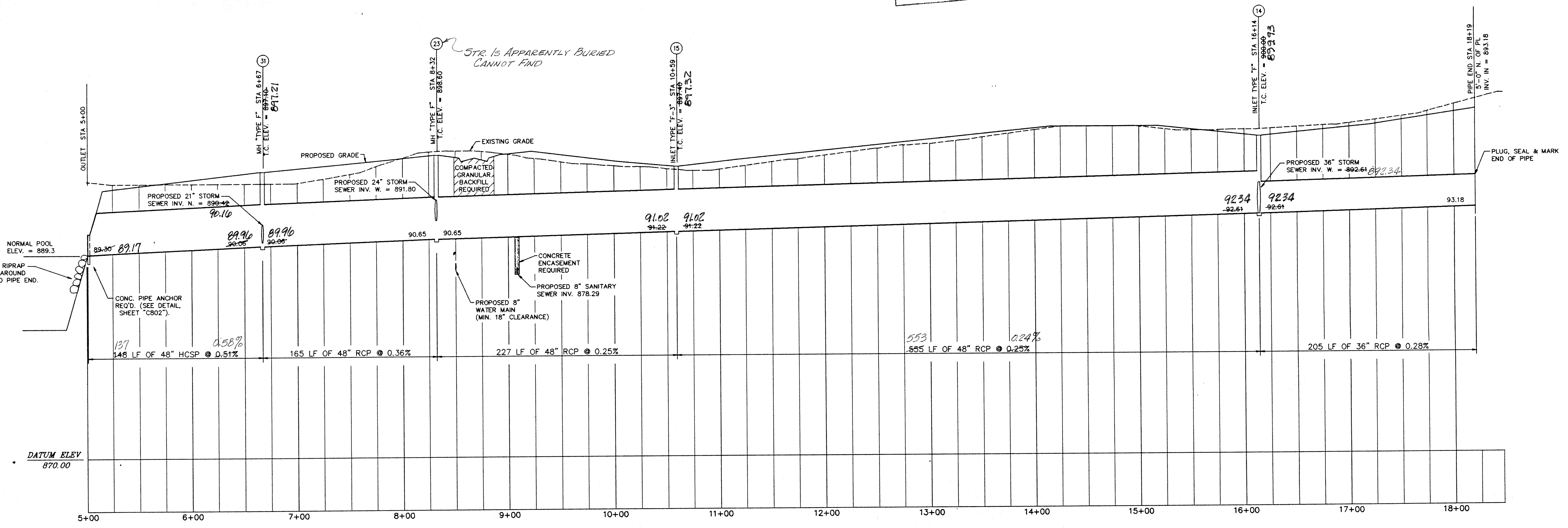
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DATE: 12/27/93
PROJ. NO.: 9307
DRAWN BY: dwp
SHEET NO.:
C203
TUBE FILE #

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STORM SEWER PLAN & PROFILE
MERRIMAC
SECTION ONE
WESTFIELD, INDIANA

REVISIONS
01/28/94 - AS PER H.C.H.D. #98
03/27/94 - AS PER H.A.M. CD #98
04/01/94 - MOVED PIPE
HWR

PRINTED
MAY 02 1995
MELTON-PACKARD

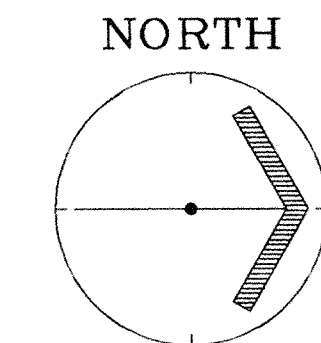
DONALD M. GWIN
REGISTERED PROFESSIONAL ENGINEER
No. 19864
STATE OF INDIANA

DRAWING: 9307C701
DATE: 12/27/93
PROJ. NO.: 9307
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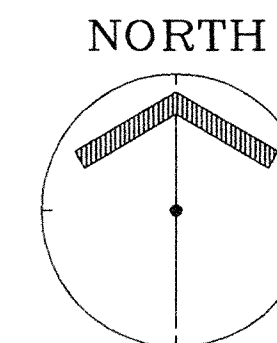
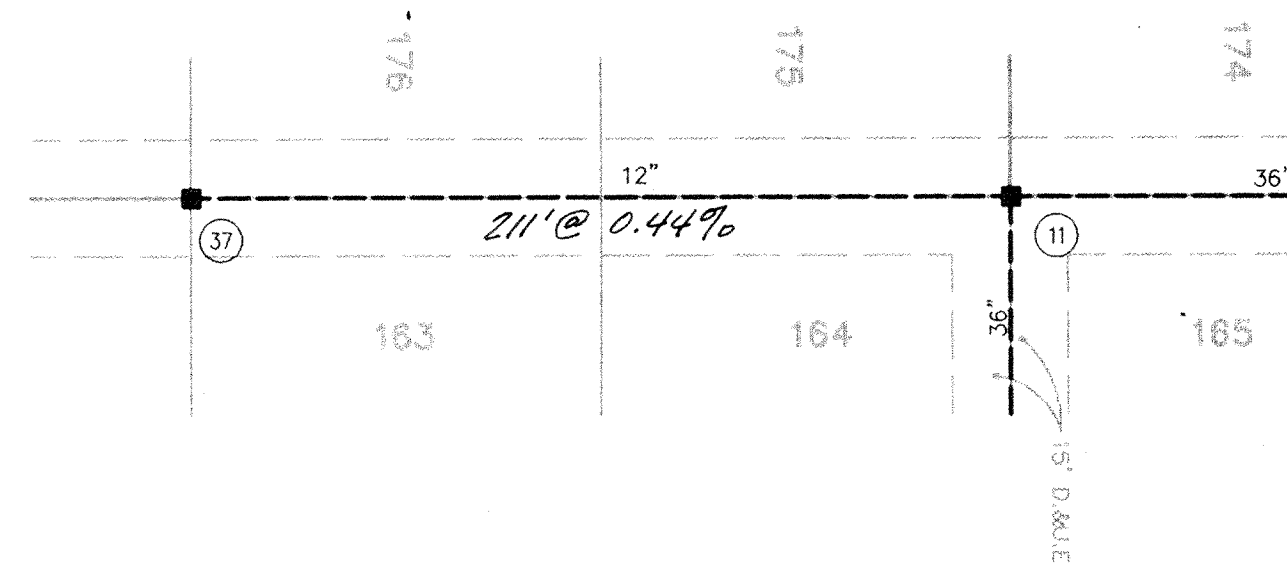
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4-28-95 HAMILTON COUNTY SURVEYOR

SHEET NO.: C701
TUBE FILE #

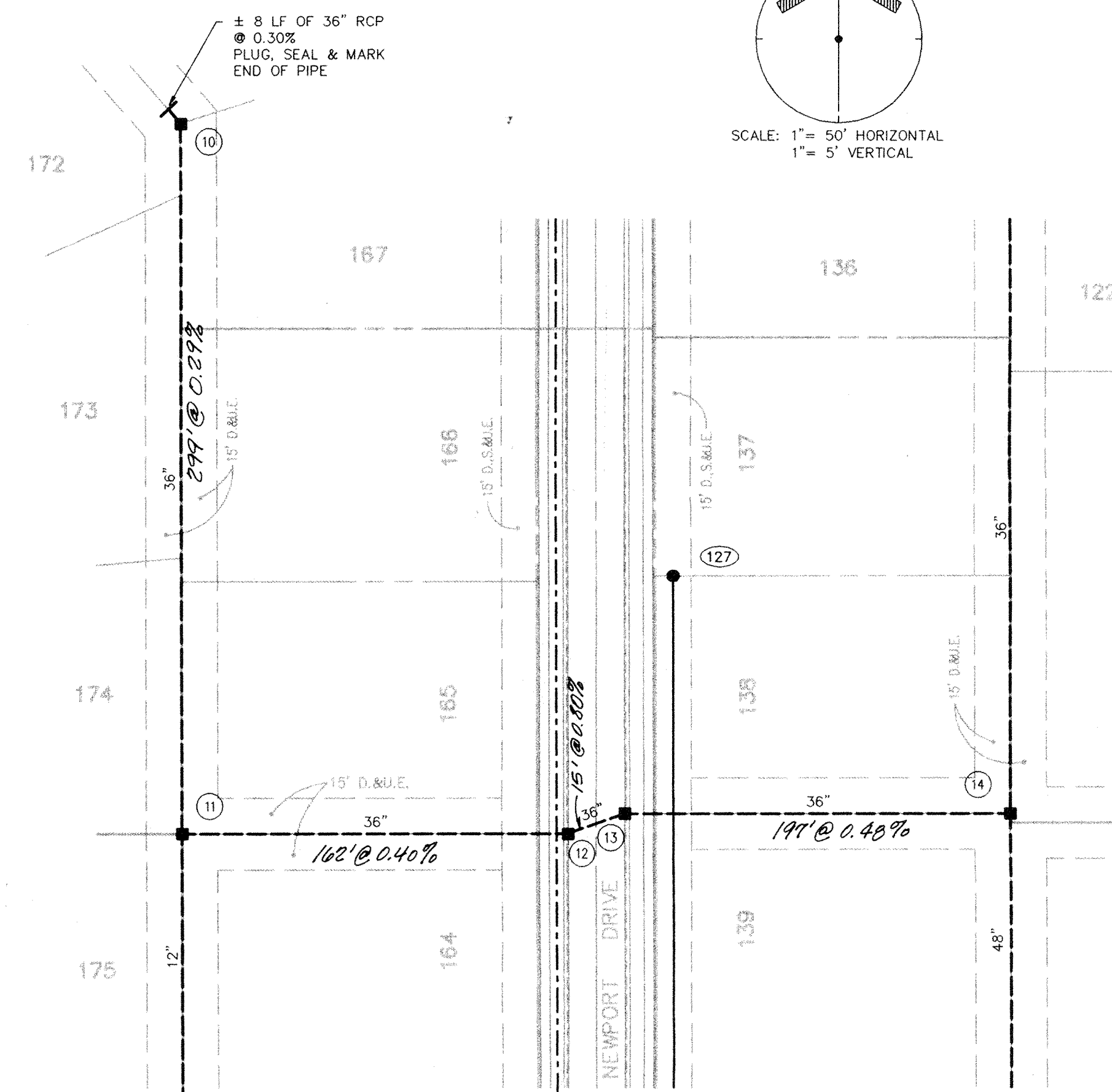
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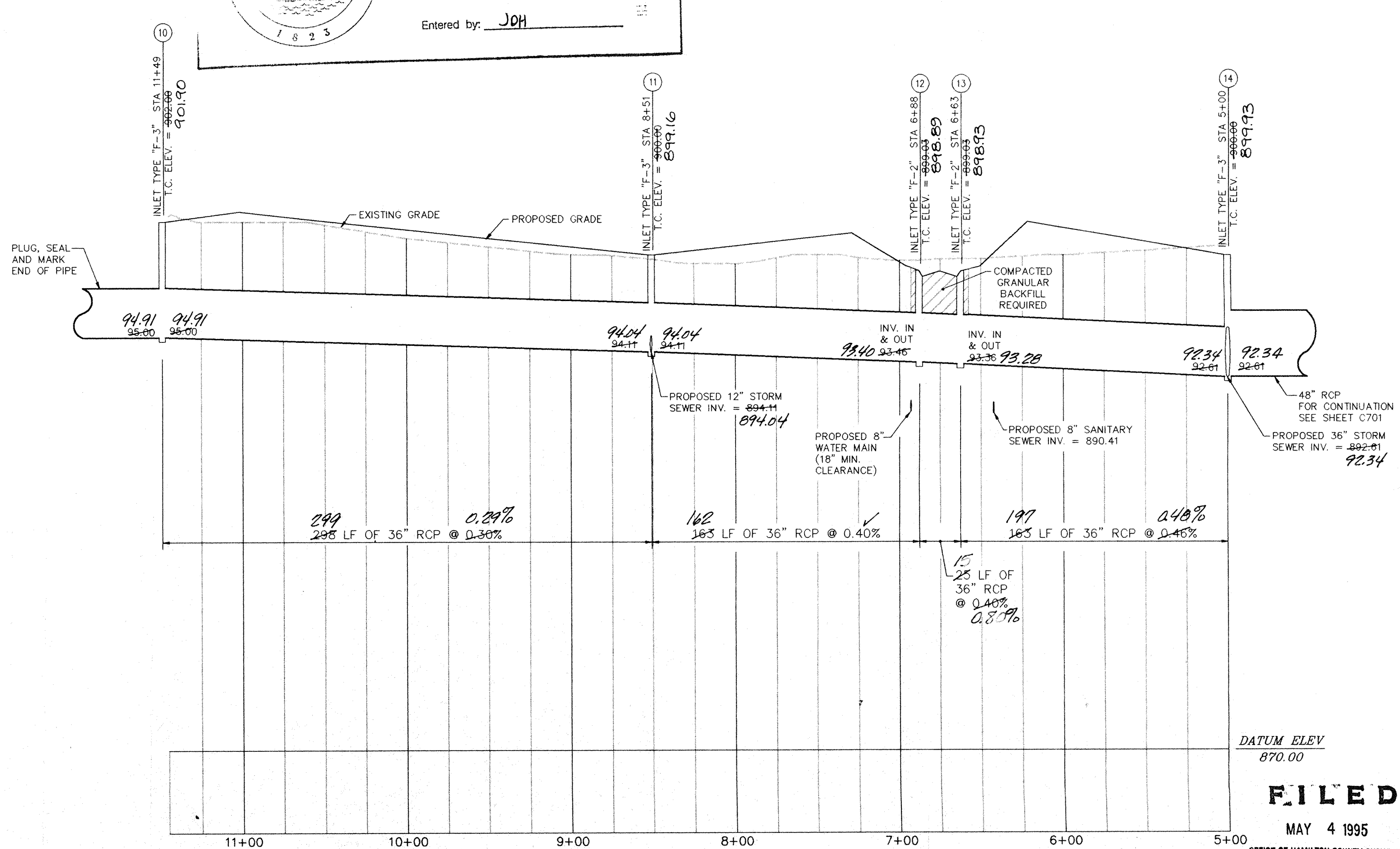
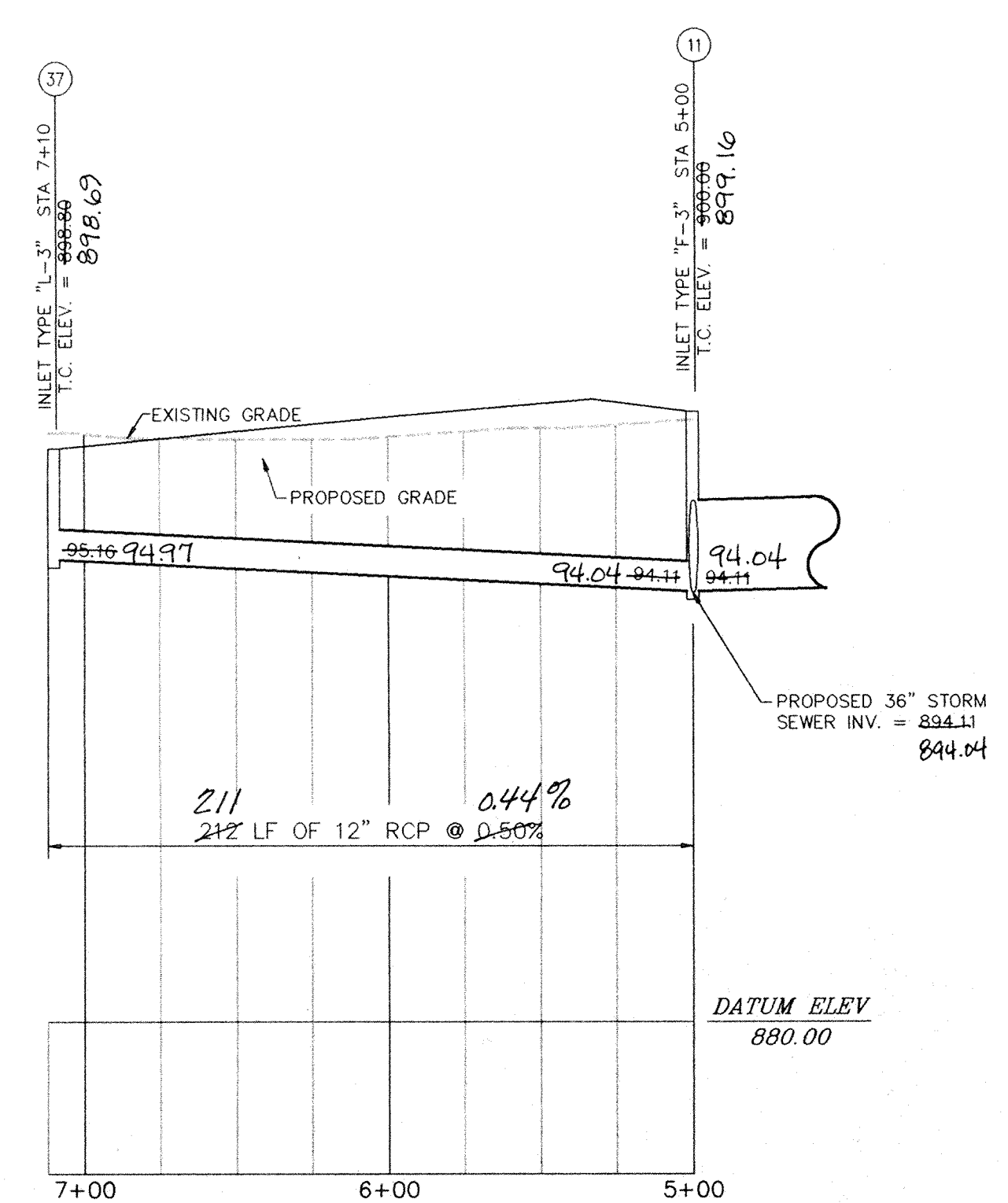
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SCALE: 1" = 50' HORIZONTAL
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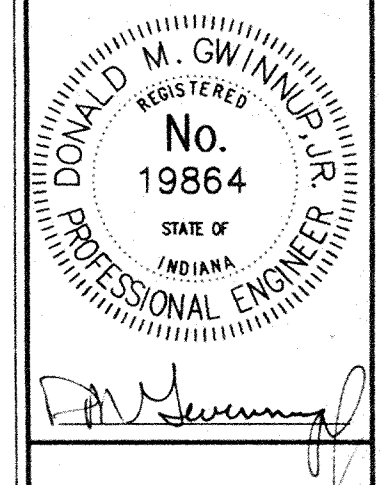
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STORM SEWER PLAN & PROFILE
MERRIMAC
SECTION ONE
WESTFIELD, INDIANA

REVISIONS
01/26/94 ~ STORM SEW REVISIONS JWP
03/23/94 ~ AS PER HAM. CO. HWR
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MAY 02 1995
MELTON-PACKARD



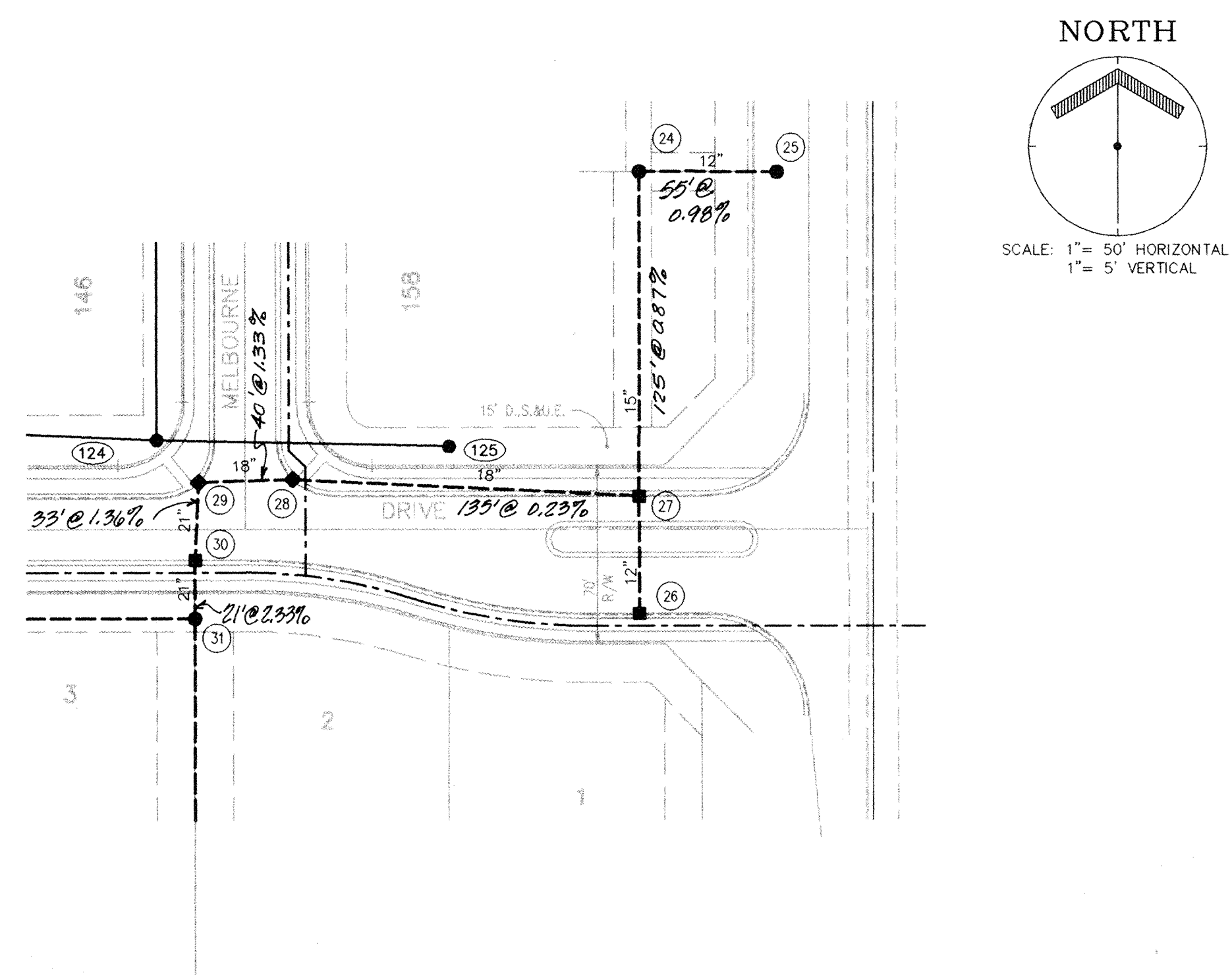
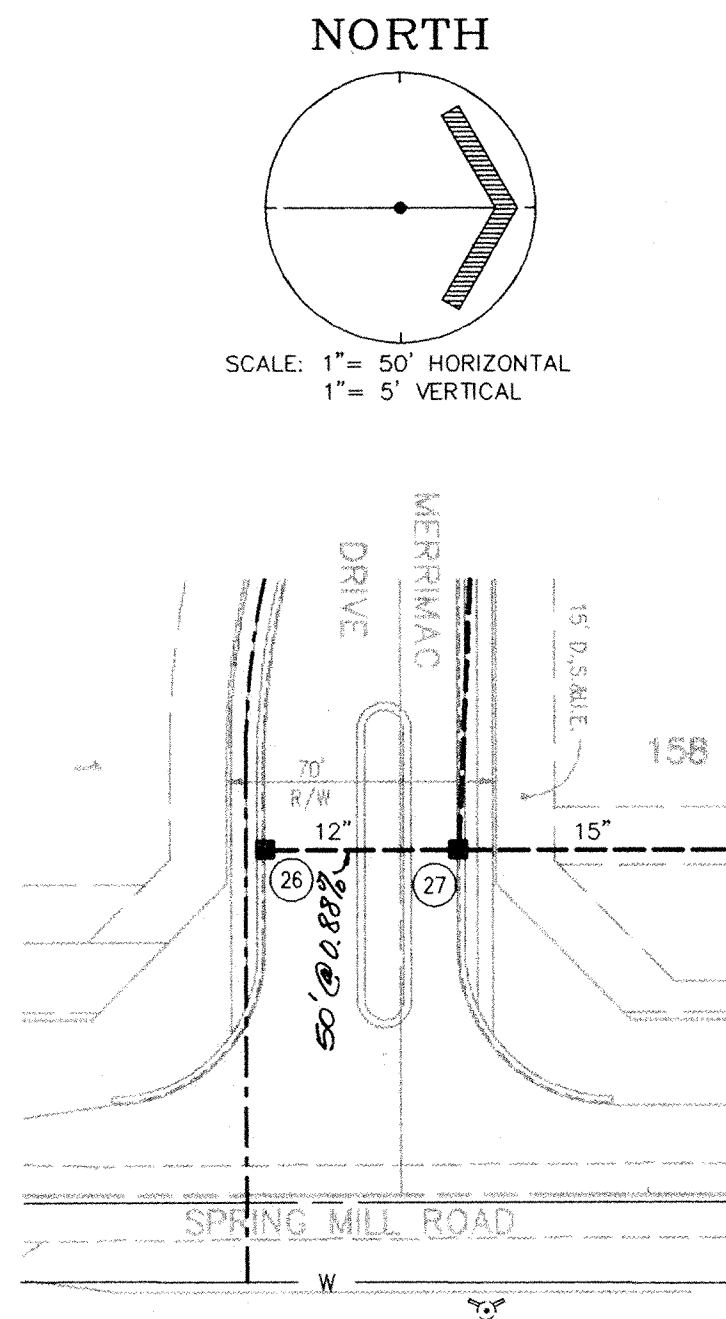
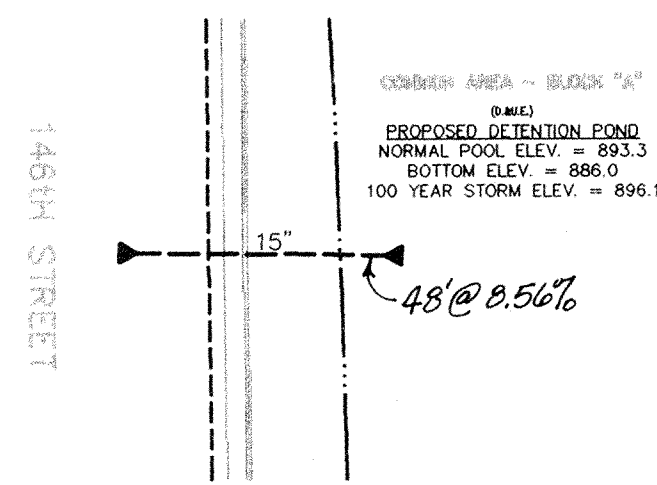
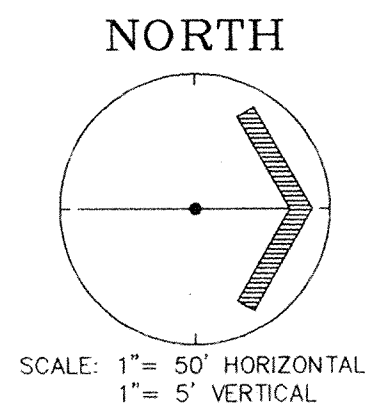
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DATE: 12/27/93
PROJ. NO.: 9307
DRAWN BY: HWR

SHEET NO.:
C702
TUBE FILE #

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MAY 4 1995
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4-28-95

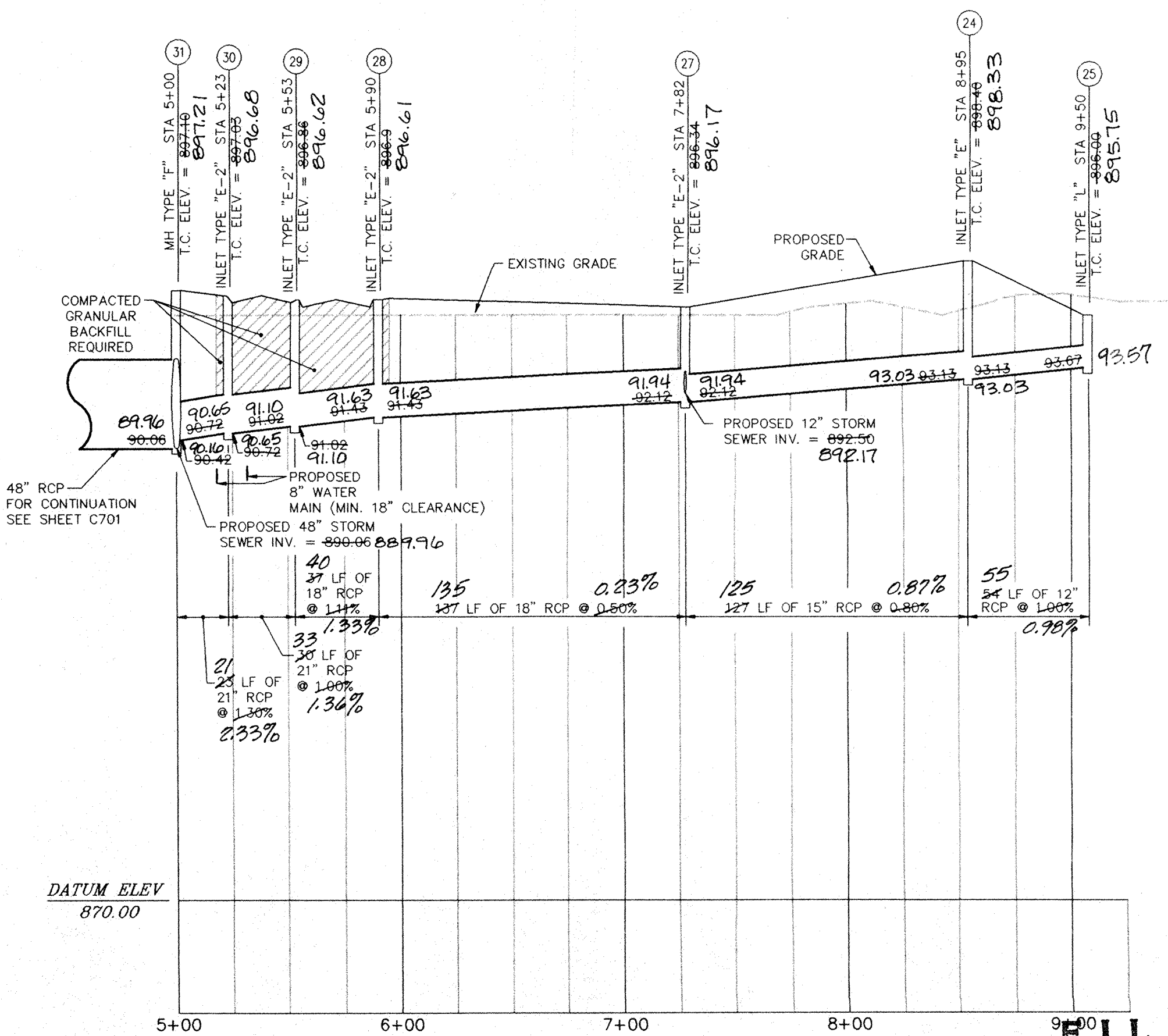
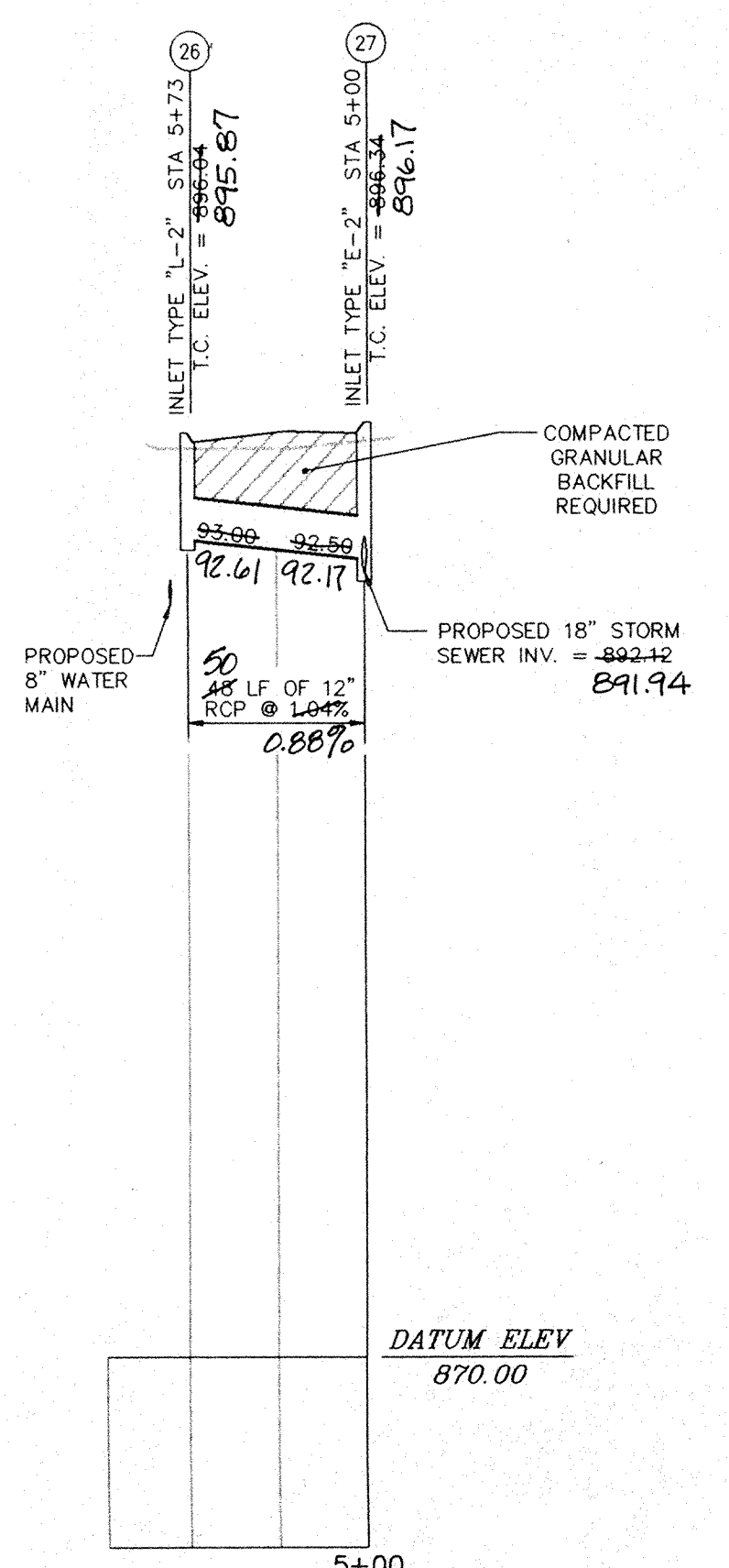
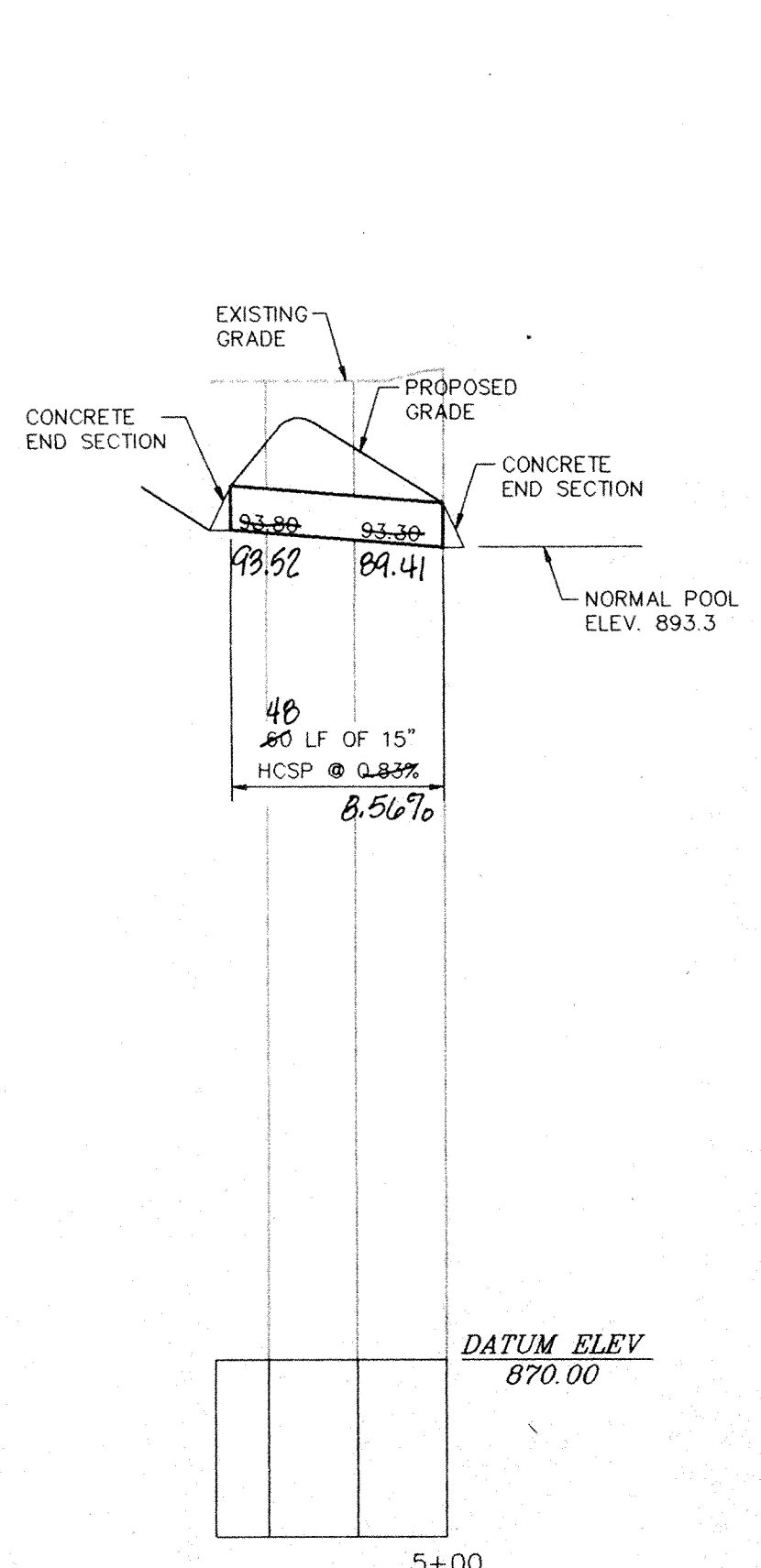
NOTED BY: HWR
DATE: 04/23/94
PROJECT: MERRIMAC



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Entry Date: 7-9-04

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STORM SEWER PLAN & PROFILE

MERRIMAC

SECTION ONE

WESTFIELD, INDIANA

REVISIONS

01/26/94 - STORM SEW REVISIONS

03/21/94 - AS PER HAM. CO. 46

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MELTON-PACKARD

REGISTERED PROFESSIONAL ENGINEER

NO. 19864

STATE OF INDIANA

DM Gunning

DRAWING: 9307C703

DATE: 12/27/93

PROJ. NO.: 9307

DRAWN BY: HWR

SHEET NO.: C703

TUBE FILE #

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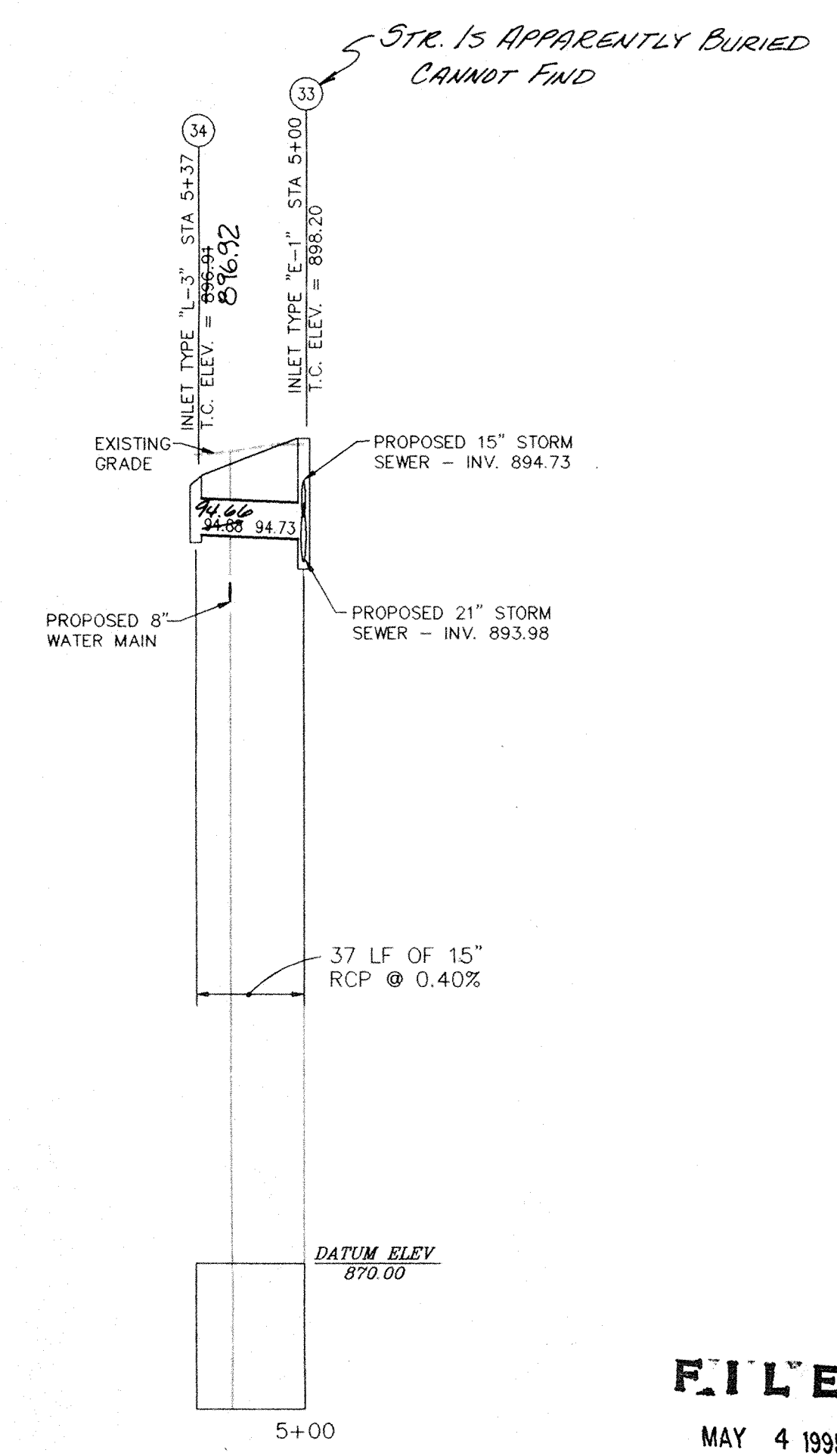
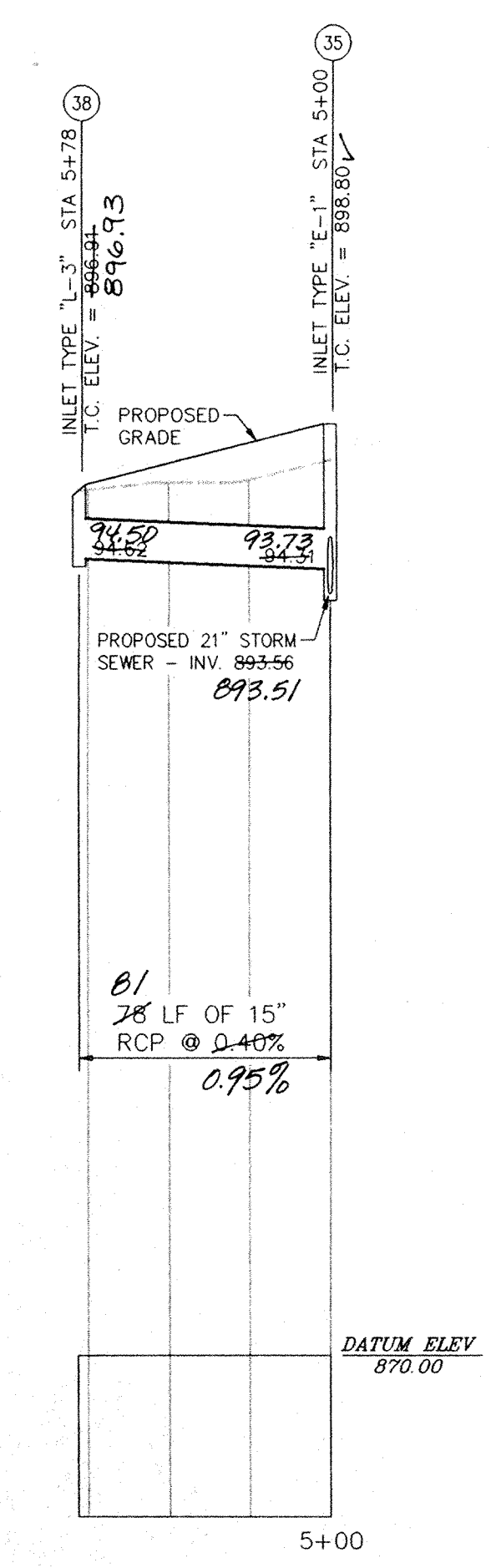
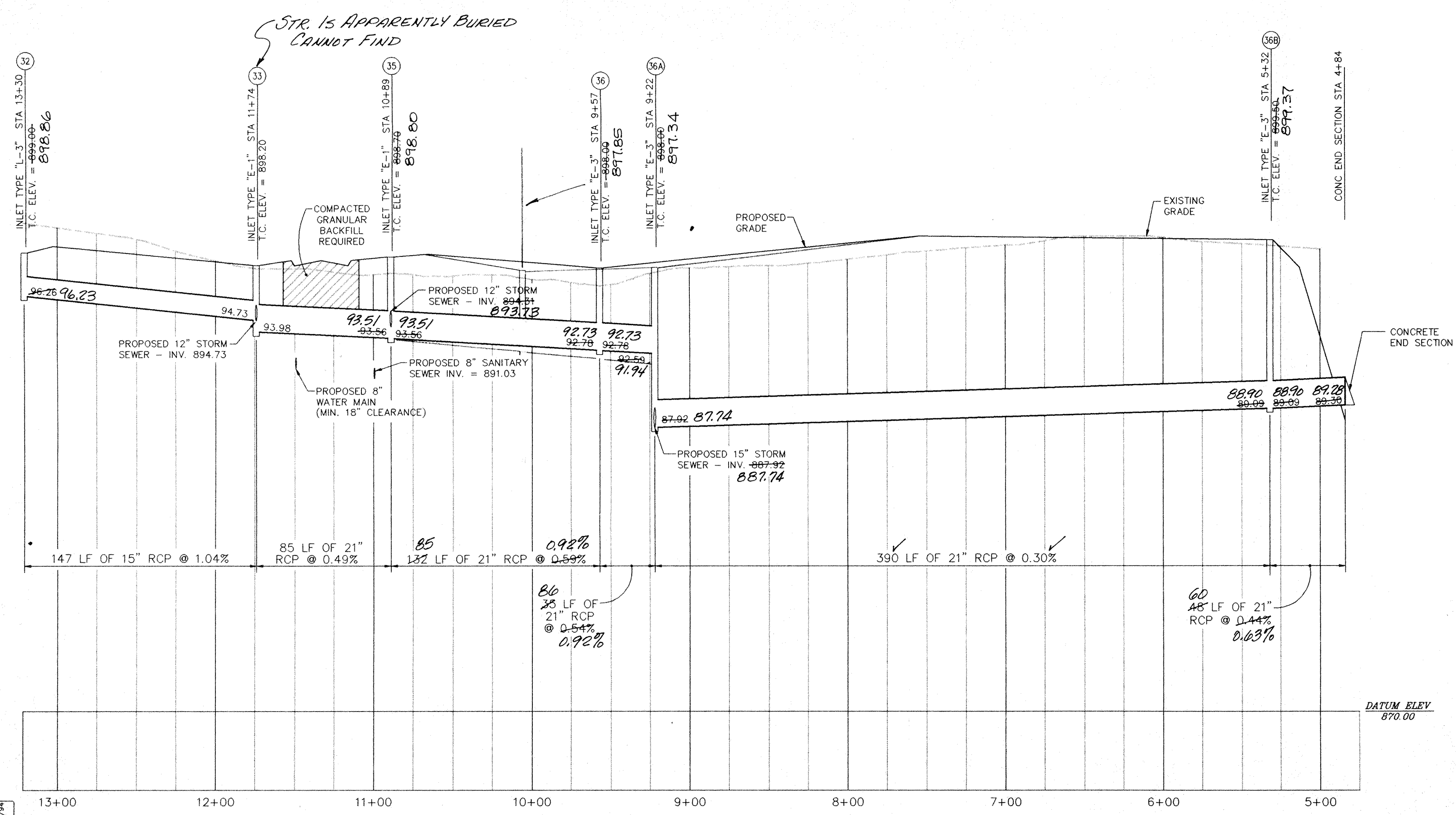
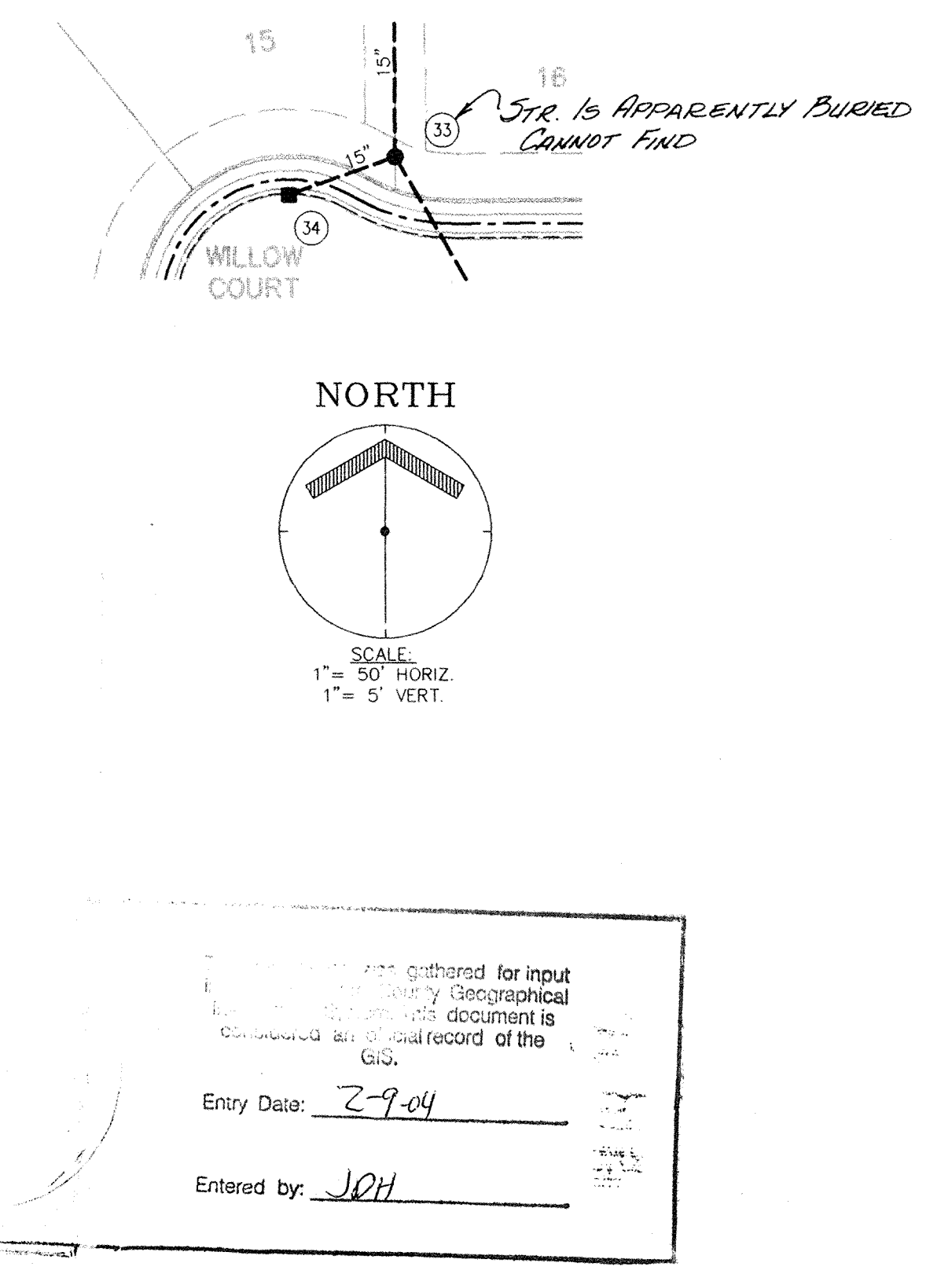
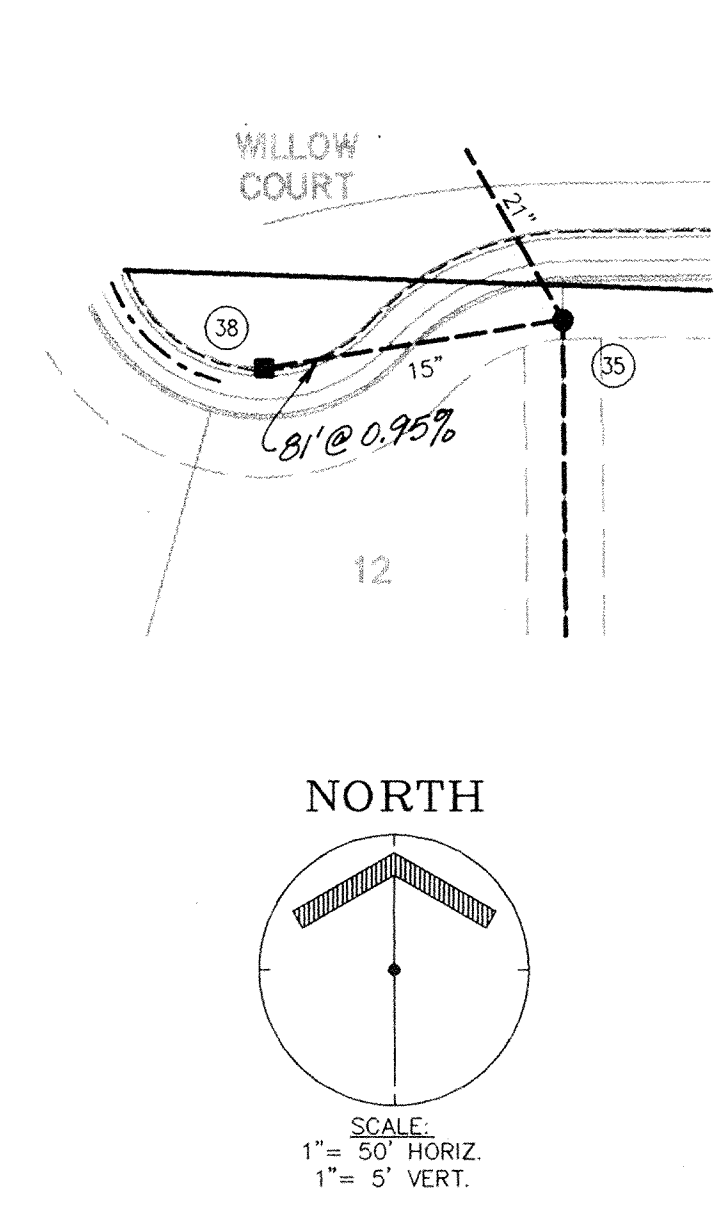
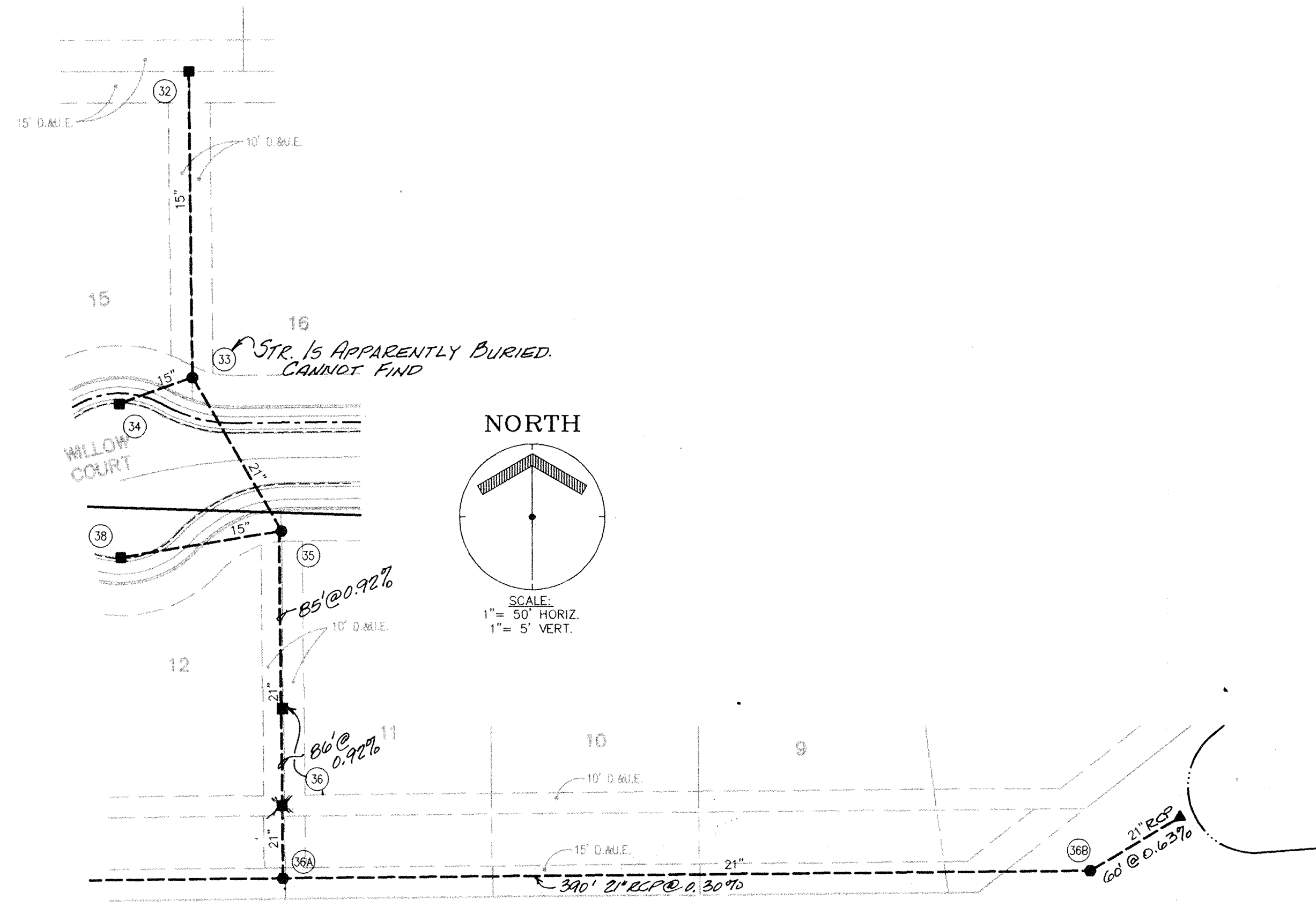
MAY 4 1995

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REGISTERED MEASUREMENTS

PLAT DATE: 02/19/94

PLAT TIME: 08:00



SCALE: 1" = 50' HORIZ. 1" = 5' VERT.

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STORM SEWER PLAN & PROFILE
MERRIMAC
SECTION ONE
WESTFIELD, INDIANA

REVISIONS
01/26/94 - AS PER R.C.H.D. dwp
03/21/94 - AS PER HAM. CO. HWP
04/01/94 - MOVED PIPE HWP

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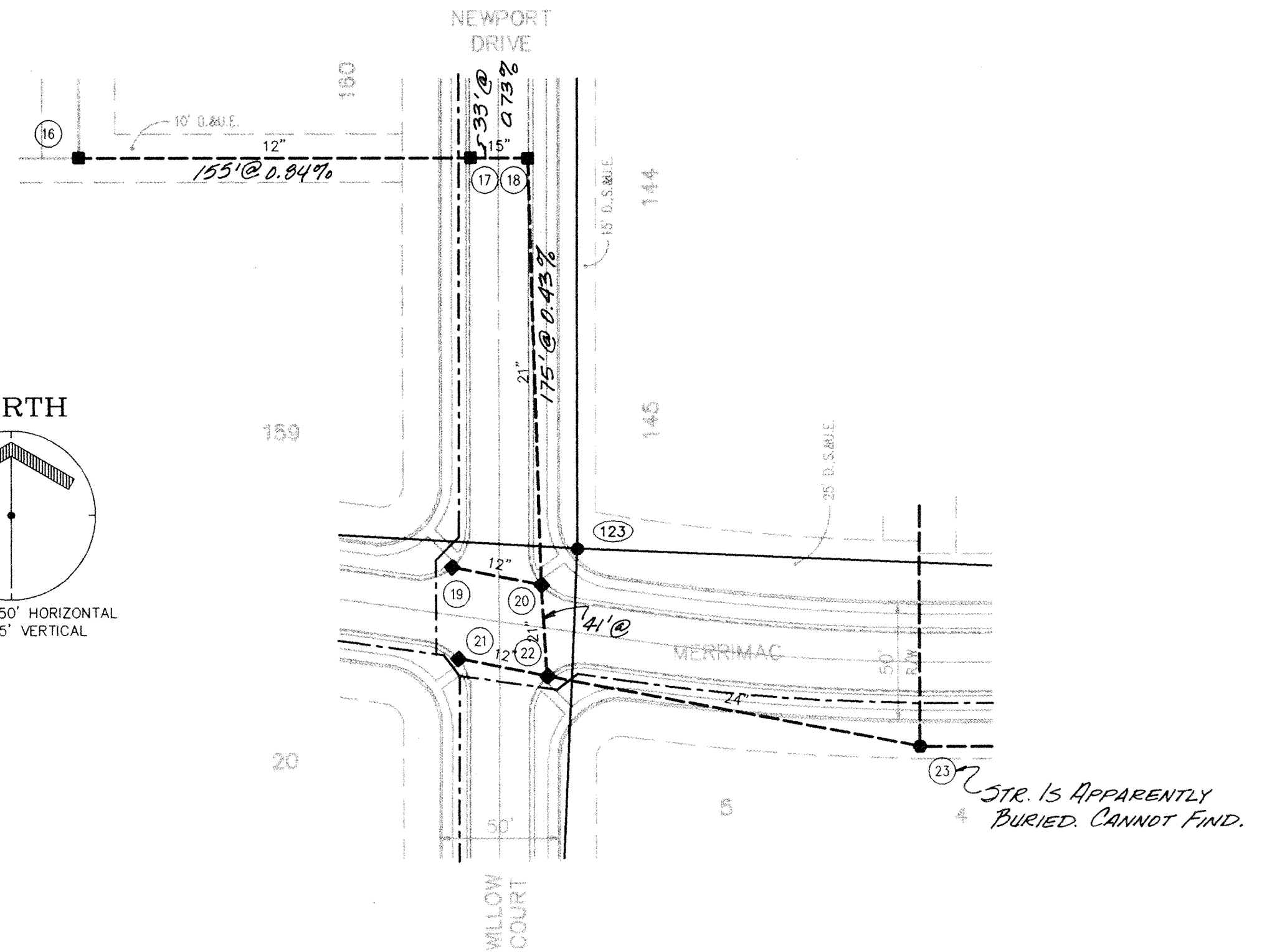
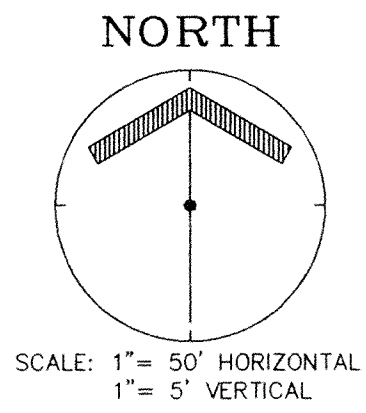
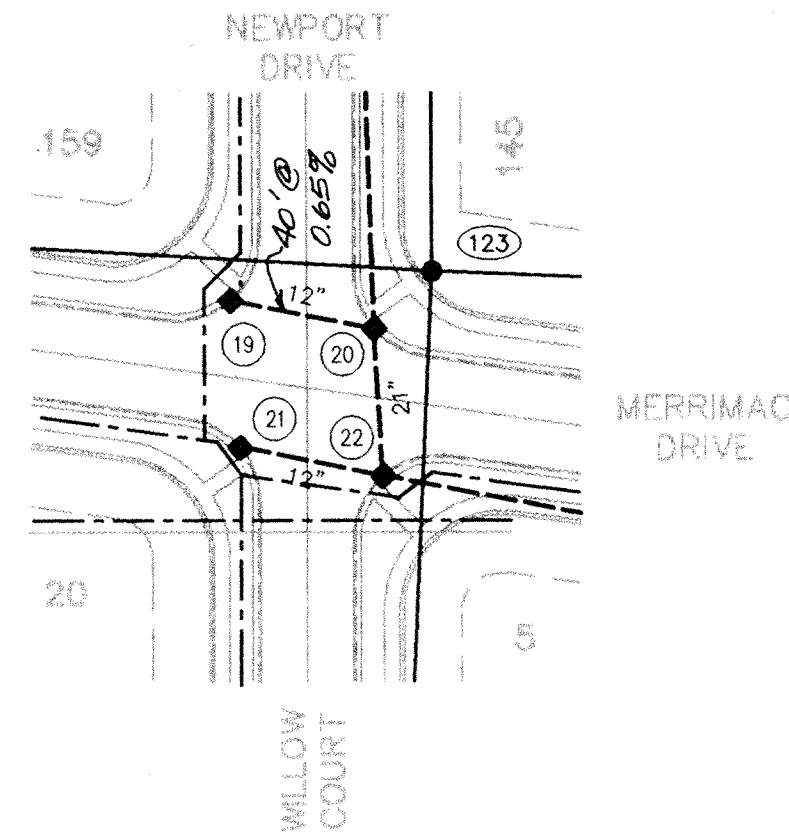
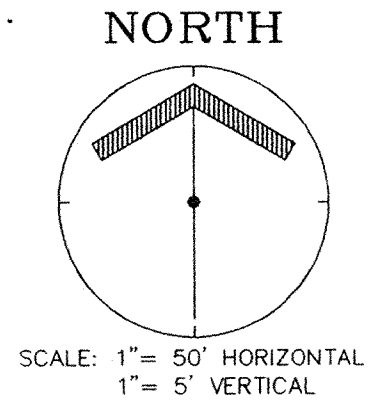
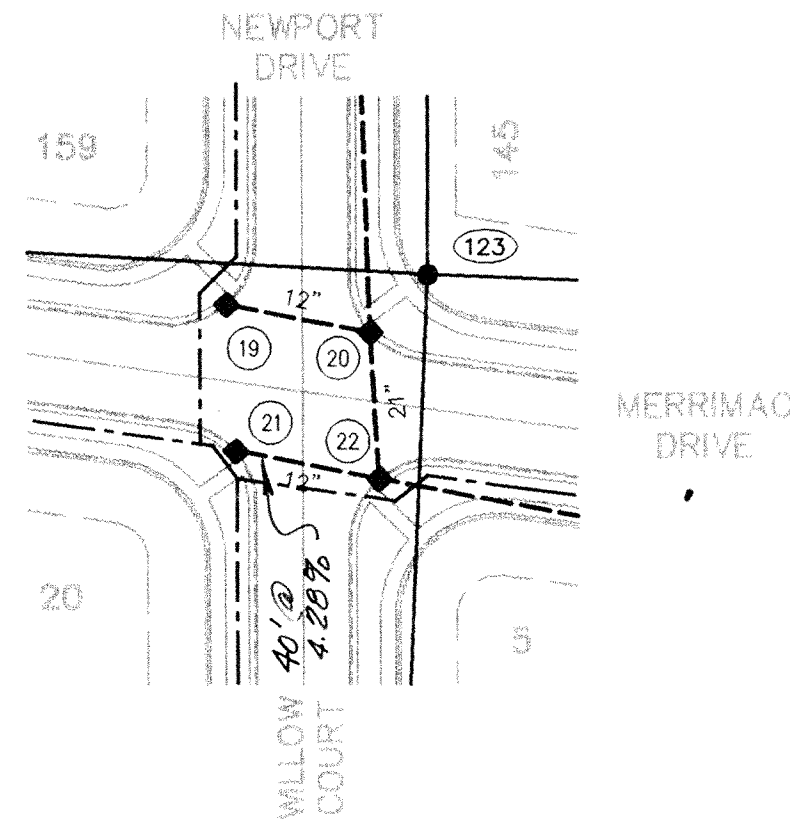
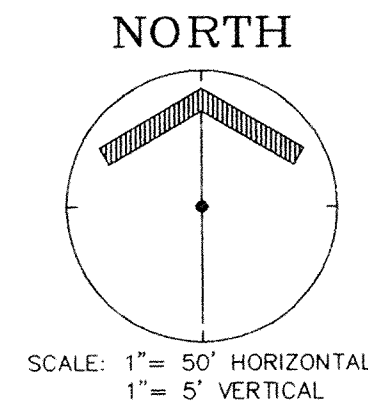
MELTON-PACKARD
DONALD M. GWYNNE, JR.
REGISTERED PROFESSIONAL ENGINEER
No. 19864
STATE OF INDIANA

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MAY 4 1995
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DRAWING: 9307C704
DATE: 12/27/93
PROJ. NO.: 9307
DRAWN BY: dwp

SHEET NO.:
C704
TUBE FILE #

AS-BUILT
4-28-95

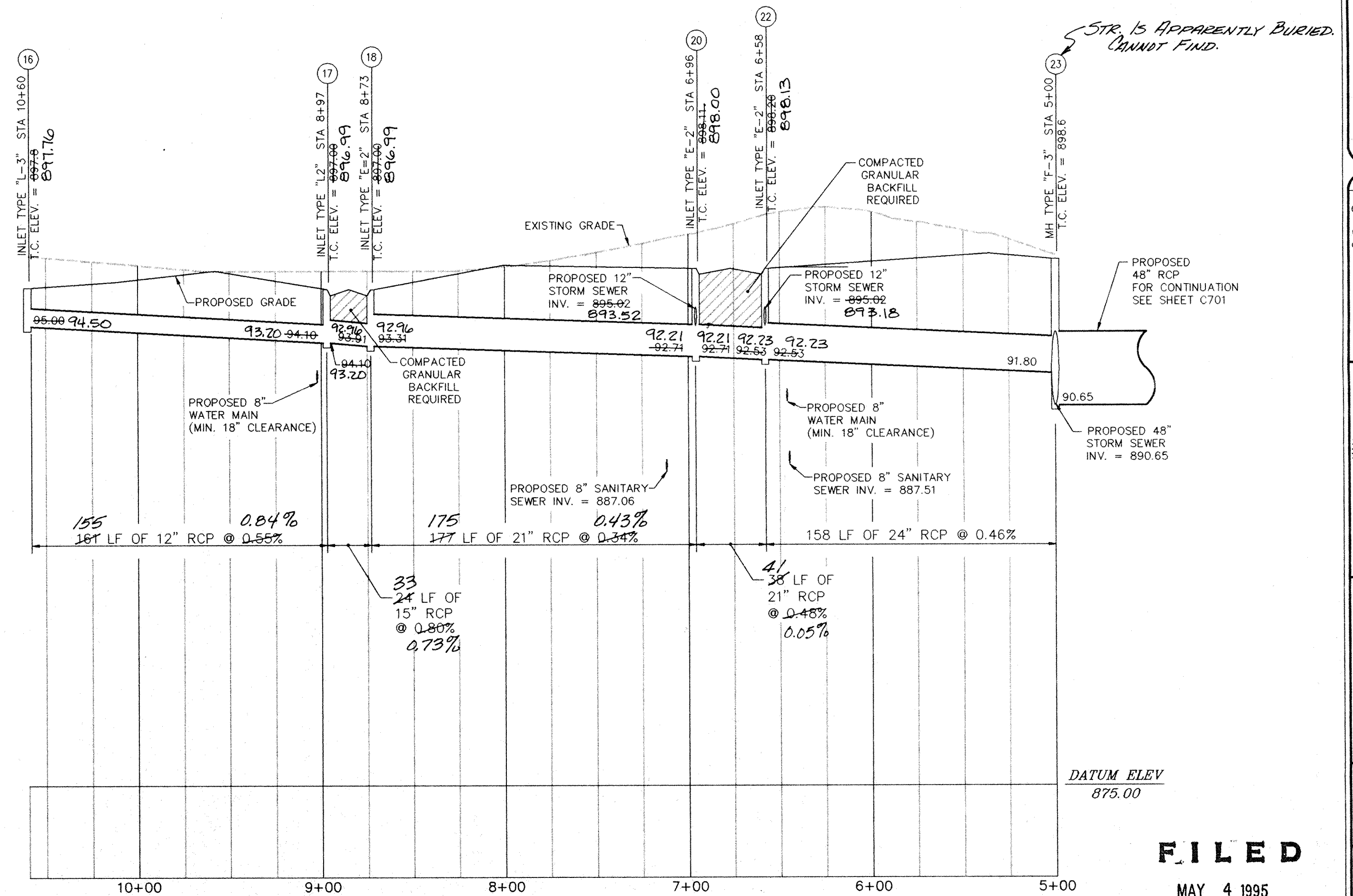
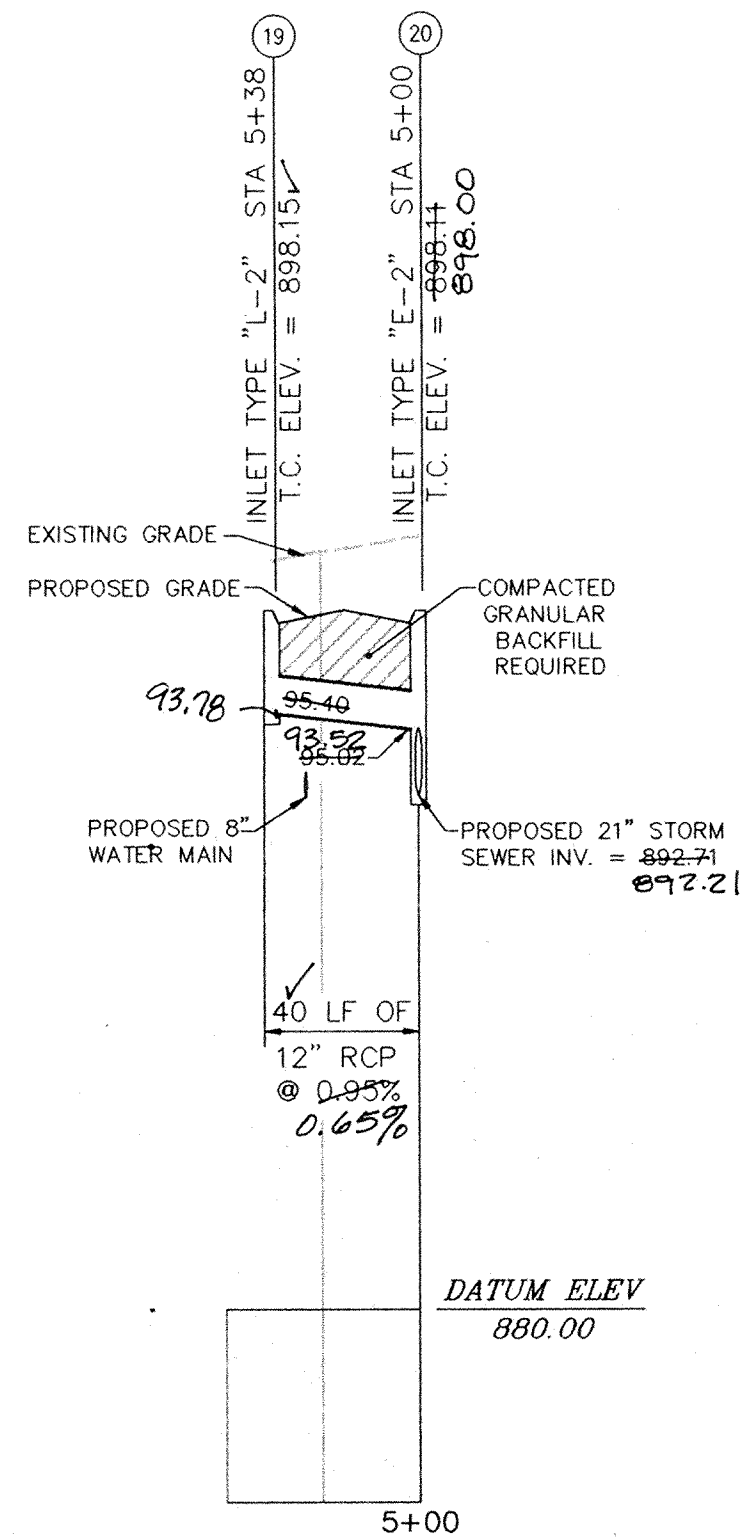
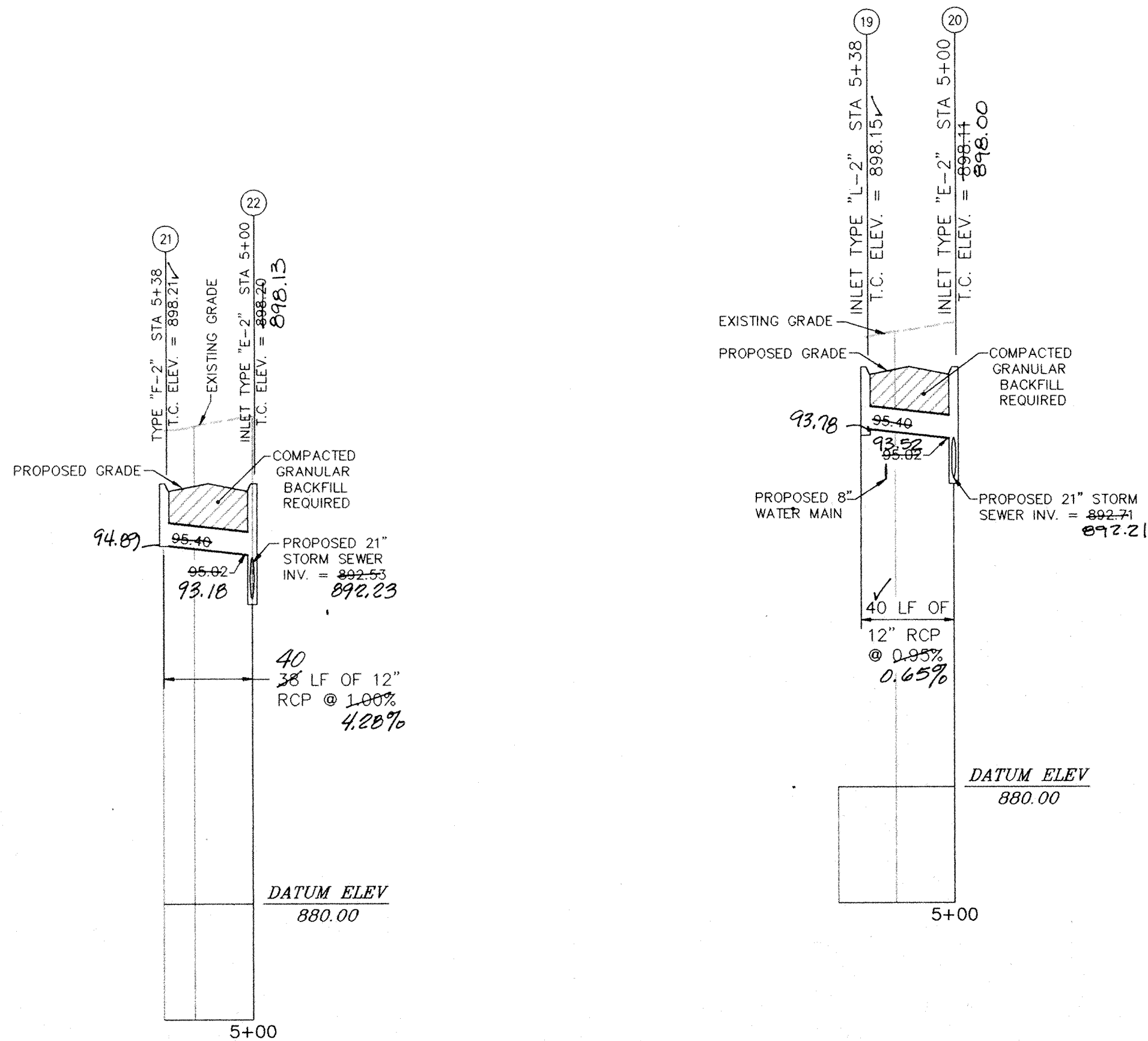


HAMILTON COUNTY
INDIANA

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PLOTTED BY: HWR/AM
PLOT TIME: 10:07

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STORM SEWER PLAN & PROFILE
MERRIMAC
SECTION ONE
WESTFIELD, INDIANA

REVISIONS

01/26/94	~	STORM SEW REVISIONS	HWR
03/23/94	~	AS PER HAM CO ORD	HWR
04/01/94	~	MOVED PIPES	HWR

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DONALD M. GWING
No. 19864
STATE OF INDIANA

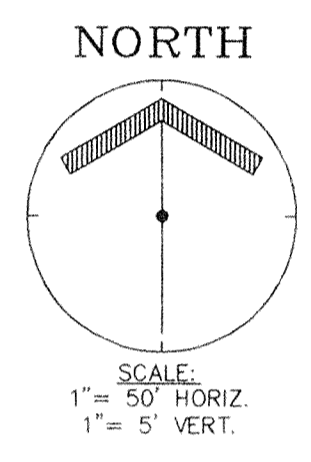
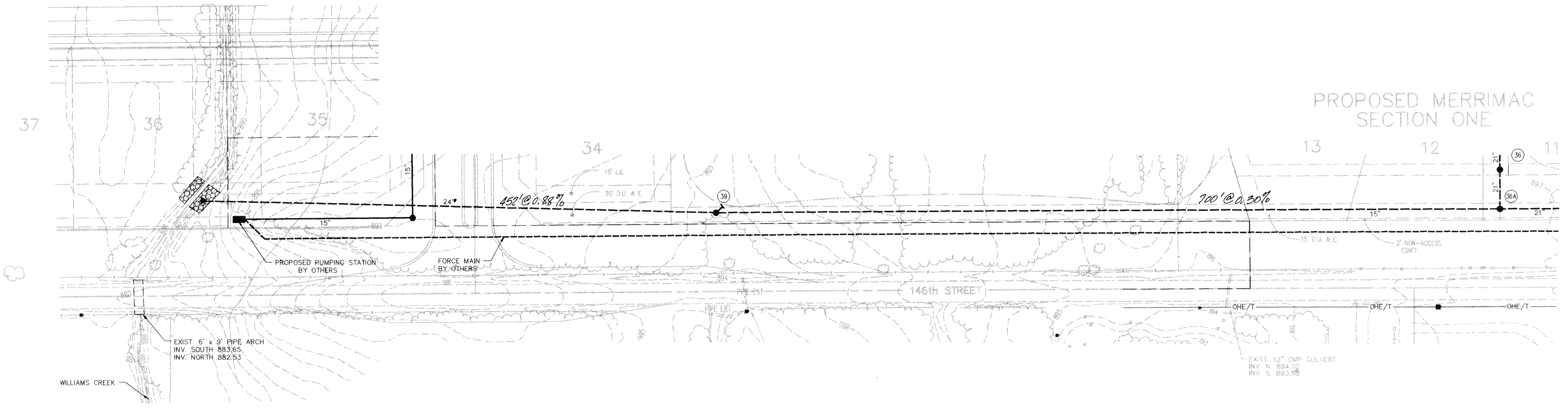
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DRAWING: 9307C705
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PROJ. NO.: 9307
DRAWN BY: HWR

SHEET NO.:
C705
TUBE FILE #

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MAY 4 1995
OFFICE OF HAMILTON COUNTY SURVEYOR
AS-BUILT
4-28-95

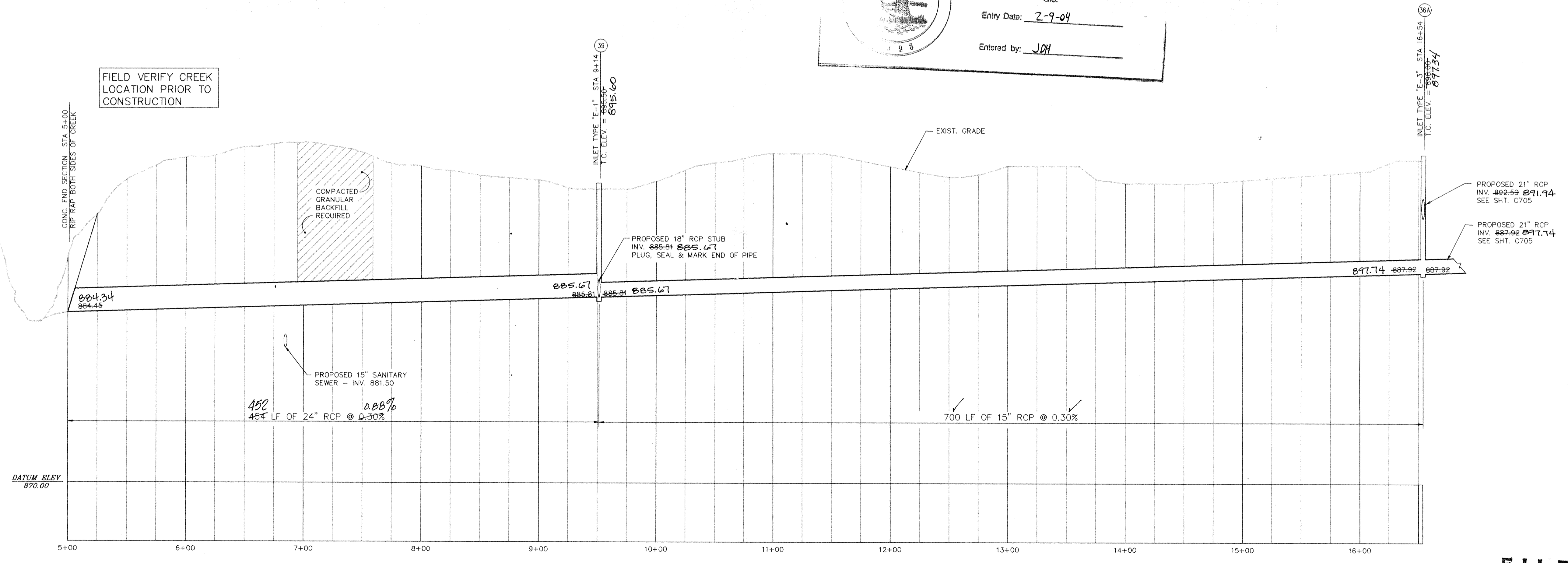
PROPOSED MERRIMAC SECTION ONE



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FIELD VERIFY CREEK LOCATION PRIOR TO CONSTRUCTION



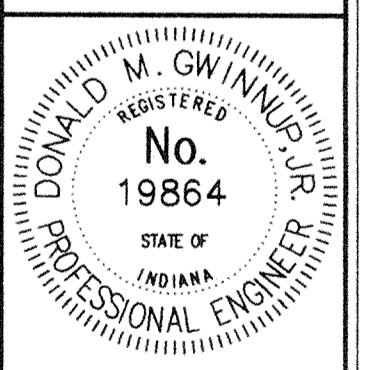
OFFSITE STORM SEWER PLAN & PROFILES

MERRIMAC SECTION ONE WESTFIELD, INDIANA

REVISIONS

01/26/94	~ STORM SEW. REVISIONS	JMP
03/21/94	~ AS PER HAM. CO. DEP	JMP
04/01/94	~ MOVE PIPES	JMP
12/08/94	~ RE-DESIGN	JMP

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 MAY 02 1995
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 MAY 4 1995
 OFFICE OF HAMILTON COUNTY SURVEYOR

DRAWING: 9307C706
 DATE: 12/27/93
 PROJ. NO.: 9307
 DRAWN BY: JMP

SHEET NO.:
C706
 TUBE FILE #

AS-BUILT
 4-28-95

NOTED BY: JQH
 PLOT DATE: 12/09/94
 PLOT TIME: 11:52