



hearing May 16, 1992
Blk 3 page 18

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

776-9626

942 Maple Avenue

Noblesville, Indiana 46060

February 18, 1992

TO Hamilton County Drainage Board

RE: J.M. Thompson Drain

Attached is a petition for the extension of the J.M. Thompson Drain. The extension is being proposed as part of the improvements for Hoover Street.

The construction costs shall be borne by the Town of Westfield as part of the road improvements. The maintenance cost for this drain shall remain unchanged. No further parcels shall be included in the drainage shed.

The reconstruction shall include the following as shown on the sheets as noted:

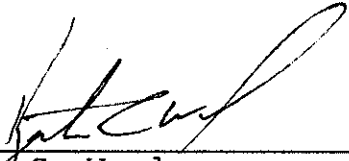
SHEET 5 243 feet of 36" RCP from STA 14+71 to STA 17+14 or STR. 17 to STR 20

SHEET 7 8 feet of 24" RCP between STR 30A and 31
13 feet of 12" RCP between STR 30 and 30B

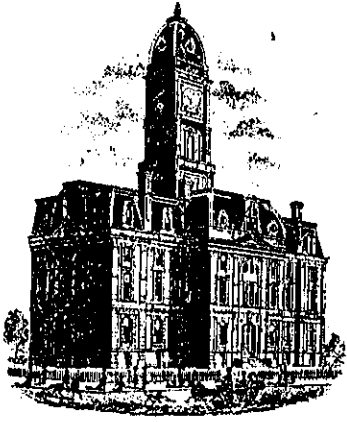
Total length of the proposed reconstruction is 264 feet of which 243 feet is being reconstructed as pipe in lieu of open swale along the North side of Hoover Street. A total of

twenty-one (21') feet shall be new drain.

I recommend the Board set a hearing for this drain in May 1992. I also recommend that the Town of Westfield pay the cost of postage for the required notices.



Kenton C. Ward
Hamilton County Surveyor



SURVEYOR'S OFFICE
Hamilton County

Kenton C. Ward, Surveyor

776-9626

942 Maple Avenue

Noblesville, Indiana 46060

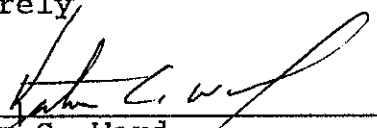
September 30, 1991

To: Town of Westfield
Attn: Mike Maddox

Re: J.M. Thompson Drain

Enclosed is a petition for reconstruction for extending the J.M. Thompson Drain. This petition must be signed by the Town Council. This extension is shown on sheet 5 of the plan which is between Structure 20 to Structure 17 consisting of 243 feet of 36" RCP. If you have any other sections you would like to add or if you have any questions please contact me.

Sincerely,


Kenton C. Ward,
Hamilton County Surveyor

KCW/jh

cc: HNTB - Gerard Tarantino

file copy

Town of Westfield

130 PENN STREET
P.O. BOX 322
WESTFIELD, INDIANA 46074

October 15, 1991

TO: Kent Ward
Hamilton Co. Drainage Board
942 Maple Av.
Noblesville, IN 46060

FROM: Michael Maddox

RE: J.M. Thompson Drain

Dear Mr. Ward,

Enclosed please find the petition for the reconstruction of the J.M. Thompson Drain at Hoover Street. Please have all commissioners sign off, and send me a copy.

Yours Truly,



Michael Maddox
Utilities Superintendent
Westfield, Indiana

FILED

OCT 15 1991

OFFICE OF HAMILTON COUNTY SURVEYOR

Hamilton County Drainage Board
Court House
Noblesville, Indiana

IN RE: Westfield Town Council

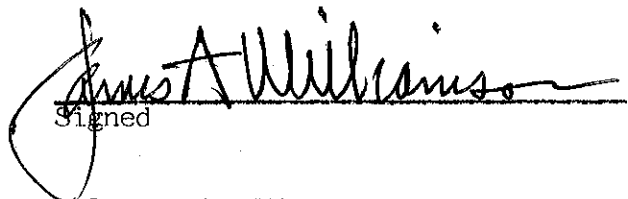
Hamilton County, Indiana

PETITION FOR RELOCATION AND RECONSTRUCTION

~~Westfield Town Council~~ (hereinafter "Petitioner"),
hereby petitions the Hamilton County Drainage Board for authority to re-
locate and improve a section of the J.M. Thompson Drain,
and in support of said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the
J.M. Thompson Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings,
utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require
relocation and reconstruction of a portion of the J.M. Thompson
Drain, as specifically shown on engineering plans and specifications
filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction
will be undertaken at the sole expense of the Petitioner and such
work will result in substantial improvement to the J.M. Thompson
Drain, without cost to other property owners on the watershed of
the J.M. Thompson Drain.

WHEREFORE, Petitioner requests that an Order issue from the Hamilton
County Drainage Board authorizing relocation and reconstruction of the
J.M. Thompson Drain, in conformance with applicable
law and plans and specifications on file with the Hamilton County Surveyor.


Signed

James A. Williamson
Printed Name

President of Town Council

OFFICE OF

HAMILTON COUNTY DRAINAGE BOARD

Notice of Hearing to Establish Annual Assessments For The Periodic
Maintenance of The Sarah J. Brown Drain.

INCREASE HEARING

J. D. L. Enterprise

708 Tamenend Trace

Fishers, In 46038

You are hereby notified that the maintenance report of the County Surveyor and the schedule of assessments made by the Drainage Board have been filed and are available for public inspection in the office of the County Surveyor.

The Surveyor has estimated that the annual cost of periodically maintaining the drain is $\frac{\text{total drain cost}}{\$2934.95}$ and that the schedule shows you are the owner of the following lands:

Description of Land	Acres in Tract	Acres Benefit'd	Your cost	
			Maint.	% of Total
Sec. <u>8</u> , Twp. <u>17</u> , Range <u>5</u> <u>15-08-04-01-034.001</u>	<u>1.0</u>	<u>.40</u>	<u>25.00</u>	<u>2.683</u>
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

A hearing will be held by the Drainage Board in Commissioner's Court at 9:30A.M. on April 20, 1992, on the Surveyor's maintenance report and the schedule of assessments. The law requires that objections must be written and filed not less than five (5) days before the above hearing on the ground that benefits assessed are excessive. Written evidence in support of objections may also be filed. The failure of any owner to file an objection constitutes a waiver of his right to thereafter object on such ground to any final action of the Board. On or before the hearing date the Surveyor or any owner of lands named in the schedule of assessments may cause written evidence to be filed in support of or in rebuttal to any objection filed.

HAMILTON COUNTY DRAINAGE BOARD

AFTER FIVE DAYS RETURN TO
HAMILTON COUNTY DRAINAGE BOARD
942 MAPLE AVENUE
NOBLESVILLE, INDIANA 46060



DCR#6 INDIANAPOLIS IN 462 21:42 03/23/92

*No Such #
Rt 12ce*

RETURN TO SENDER
NO SUCH NUMBER
NOBLESVILLE IN 46060

J D L Enterprise
708 Tamenend Trace
Fishers, Indiana 46038

*marked 2 times
P.O. will not deliver*





HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS

TELECOPY
TRANSMITTAL

111 Monument Circle
Indianapolis, Indiana 46204-5178
(317) 636-4682

Date: 2/18/92 Time: 3:44 P.M.

TO: Name: Kenton Ward
Business: Hamilton County Surveyor
Telecopier #: 776-9628

FROM: Name: John Kupke
Telecopier #: (317) 633-0505
Project Name: _____
Project Number: 15277

Number of Pages Transmitted (including this page): 2

ADDITIONAL INSTRUCTIONS OR MESSAGES:

Empty box for additional instructions or messages.

If transmission problems are encountered, please call Mike Kincy at (317) 636-4682



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

September 23, 2003

Re: J.M. Thompson Drain – Hoover Street Ext.

Attached are as-builts, certificate of completion & compliance, and other information for Hoover Street Extension. 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 18, 1992. The report was approved by the Board at the hearing held May 18, 1992 . (See Drainage Board Minutes Book 3, Page 18)
The changes are as follows:

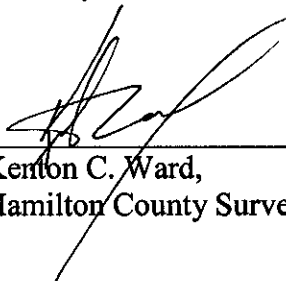
The 8 feet of 24"RCP between Structures 30A and 31 was removed with the Westfield Washington Schools Improvements in 1998.

The length of the drain due to the changes described above is now **256 feet**.

The cost of construction was borne by the Town of Westfield as part of the road improvements for Hoover Street.

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

Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

TOWN OF WESTFIELD, INDIANA

HOOVER STREET IMPROVEMENTS

DIVISION I

&

DIVISION II

PLANS & SPECIFICATIONS
APPROVED ON MAY 31, 1991
BY THE
TOWN OF WESTFIELD
BOARD OF TRUSTEES

JAMES A. WILLIAMSON, PRESIDENT

Camilla Axelrod
CAMILLA AXELROD, MEMBER

James J. Edwards
JAMES J. EDWARDS, MEMBER

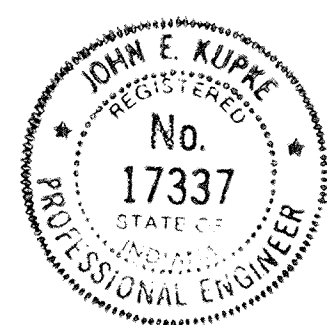
Mary Lou Thatcher
MARY LOU THATCHER, CLERK-TREASURER

Michael F. Maddox
MICHAEL F. MADDOX, SUPERINTENDENT

HNTB

HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS

INDIANAPOLIS, INDIANA



CERTIFIED
HOWARD NEEDLES TAMMEN & BERGENDOFF

BY:

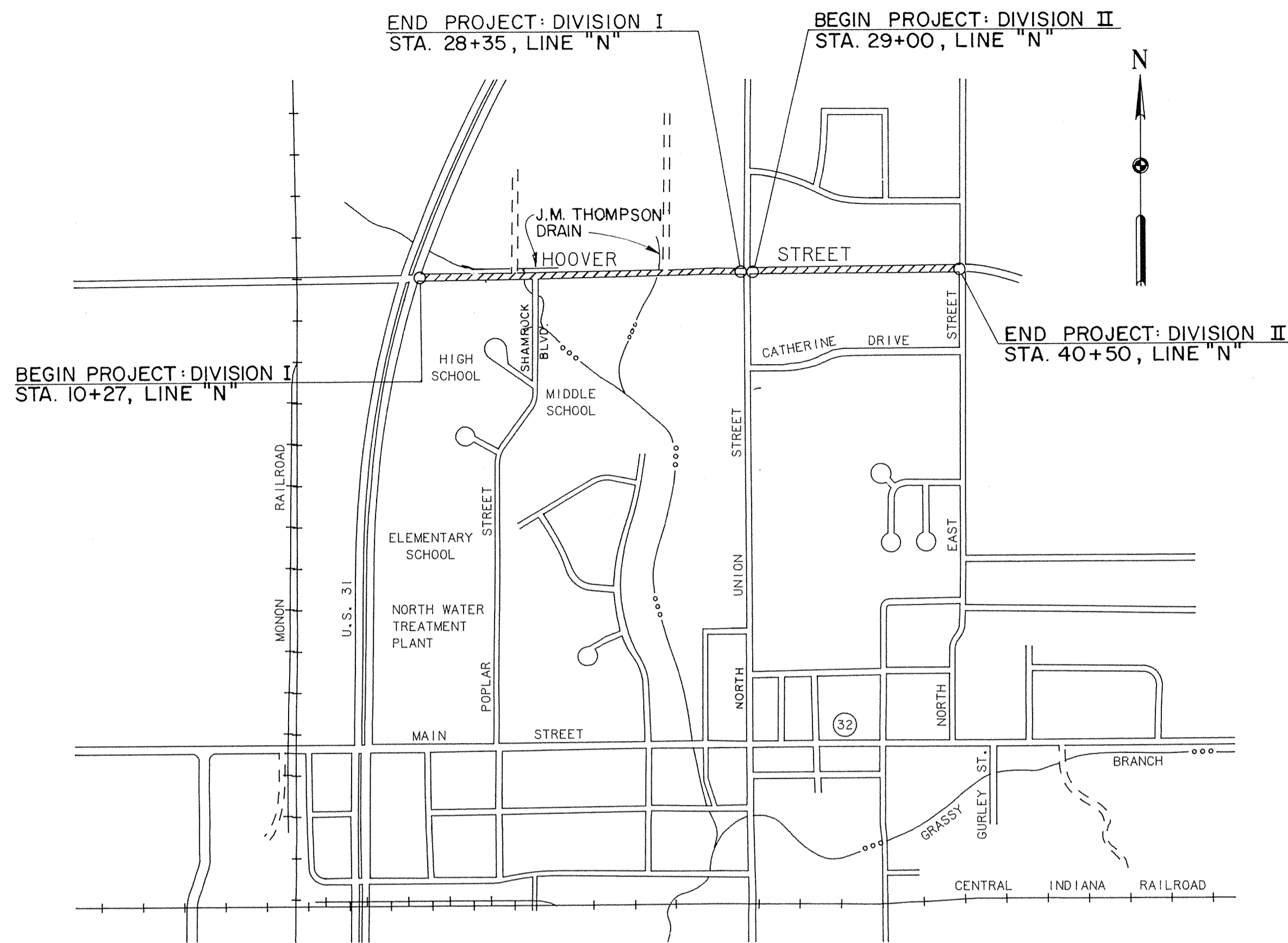
John E. Kupke
JOHN E. KUPKE, P.E., ASSOCIATE
REGISTERED ENGINEER NO. 17337
STATE OF INDIANA

FILED

JUN 03 1991

OFFICE OF HAMILTON COUNTY SURVEYOR

SET NO.



LOCATION PLAN
SCALE: 1"=600'-0"

UTILITIES

GAS: Westfield Gas Company
606 West Park Street
Westfield, Indiana 46074
(317) 896-2581

ELECTRIC: Public Service Indiana
100 Mill Creek Road
Noblesville, Indiana 46060
(317) 773-1980

WATER: Town of Westfield
130 East Penn.
Westfield, Indiana 46074
(317) 896-5577

SANITARY SEWER: Town of Westfield
130 East Penn.
Westfield, Indiana 46074
(317) 896-5577

TELEPHONE: General Telephone Co.
11611 North Meridian
Carmel, Indiana 46032
(317) 843-4241

STORM SEWER: Town of Westfield
130 East Penn.
Westfield, Indiana 46074
(317) 896-5577

CABLE TELEVISION: AccuCable
516 East Carmel Drive
Carmel, Indiana 46032
(317) 784-2579

STREETS: Town of Westfield
130 East Penn.
Westfield, Indiana 46074
(317) 896-5577

GENERAL NOTES

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS IS FROM INFORMATION PROVIDED BY THE INDIVIDUAL UTILITY COMPANIES. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY UTILITY CONFLICT.
- ALL STORM SEWER TRENCHES UNDER PAVED AREAS SHALL HAVE FULL DEPTH GRANULAR BACKFILL.
- CONTRACTOR SHALL MAINTAIN LOCAL TRAFFIC AT ALL TIMES.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH THE UTILITY COMPANIES TO MINIMIZE INTERFERENCE WITH UTILITY RELOCATION.
- THE EXISTING GUARD RAIL TO BE REMOVED ALONG THE NORTH SIDE OF HOOVER STREET SHALL REMAIN THE PROPERTY OF THE COUNTY.
- CONTRACTOR SHALL NOTIFY THE HAMILTON COUNTY SURVEYOR AT LEAST 30 DAYS PRIOR TO BEGINNING CONSTRUCTION IN ORDER THAT THE SECTION CORNERS AT UNION STREET MAY BE PROTECTED.
- CONTRACTOR SHALL MAINTAIN FLOW TO THE J. M. THOMPSON DRAIN DURING CONSTRUCTION.
- IF DIVISION I AND DIVISION II ARE CONSTRUCTED CONCURRENTLY, STR. NO. 29C SHALL BE ELIMINATED. THE 72" X 42" CMPA WILL BE REMOVED AND STR. NO. 29B SHALL BE REPAIRED AS REQUIRED.
- ALL EXISTING MATERIAL THAT HAS BEEN REMOVED SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR, OR AS DIRECTED.
- ALL DISTURBED AREAS NOT PAVED OR SODDED SHALL BE SEEDED.
- ALL CONSTRUCTION EQUIPMENT SHALL BE STORED IN THE CONTRACTOR'S STAGING AREA AND SHALL NOT BE LEFT ALONG THE PROJECT OVER NIGHT OR WEEKENDS.
- CONTRACTOR SHALL PERFORM ALL WORK ACCORDING TO APPLICABLE OSHA STANDARDS.
- SAFETY FENCING SHALL BE REQUIRED AROUND ALL OPEN EXCAVATIONS.
- ALL NEW STORM SEWER PIPE SHALL BE CLASS III R.C.P. UNLESS OTHERWISE NOTED.
- ALL UNDERDRAIN PIPE SHALL BE PERFORATED P.V.C. UNLESS OTHERWISE NOTED.

EROSION CONTROL NOTES

- STRAWBALES SHALL BE INSTALLED AROUND ALL C. B. AND INLETS DURING CONSTRUCTION AND SHALL REMAIN IN PLACE AS LONG AS POSSIBLE.
- SILT FENCE SHALL BE INSTALLED ALONG THE TOP OF BANK OF THE J. M. THOMPSON DRAIN FROM STATION 20+80± RT. TO STA. 21+30± RT. AND SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.

NOTE: FOR INFORMATION PURPOSES ONLY. SUPPLEMENTAL REMOVAL ITEMS TO BE INCLUDED WITH THE CLEARING OF RIGHT-OF-WAY

ITEM NO.	DESCRIPTION	UNIT	DIVISION I QUANTITY	DIVISION II QUANTITY	DIVISIONS I & II QUANTITY
2A	Conc. Pavement Removal	SY	0	165	165
2B	Conc. Curb Removal	LF	296	48	344
2C	Catch Basin Removal	EA	0	1	1
2D	Conc. Hdwl. Removal	EA	4	0	4
2E	Manhole Removal	EA	1	1	2
2F	Tree Removal	EA	4	11	15
2G	Fence Removal	LF	70	0	70
2H	Pipe Removal	LF	291	167	458
2I	Inlet Removal	EA	1	2	3

INDEX TO DRAWINGS

- Title Sheet
- General Information
- Typical Cross Sections
- 9 Plan & Profile
- 10 Structure Data
- 11 Marking & Signage
- 12-31 Miscellaneous Details
- 32-51 Cross Sections

BENCH MARKS

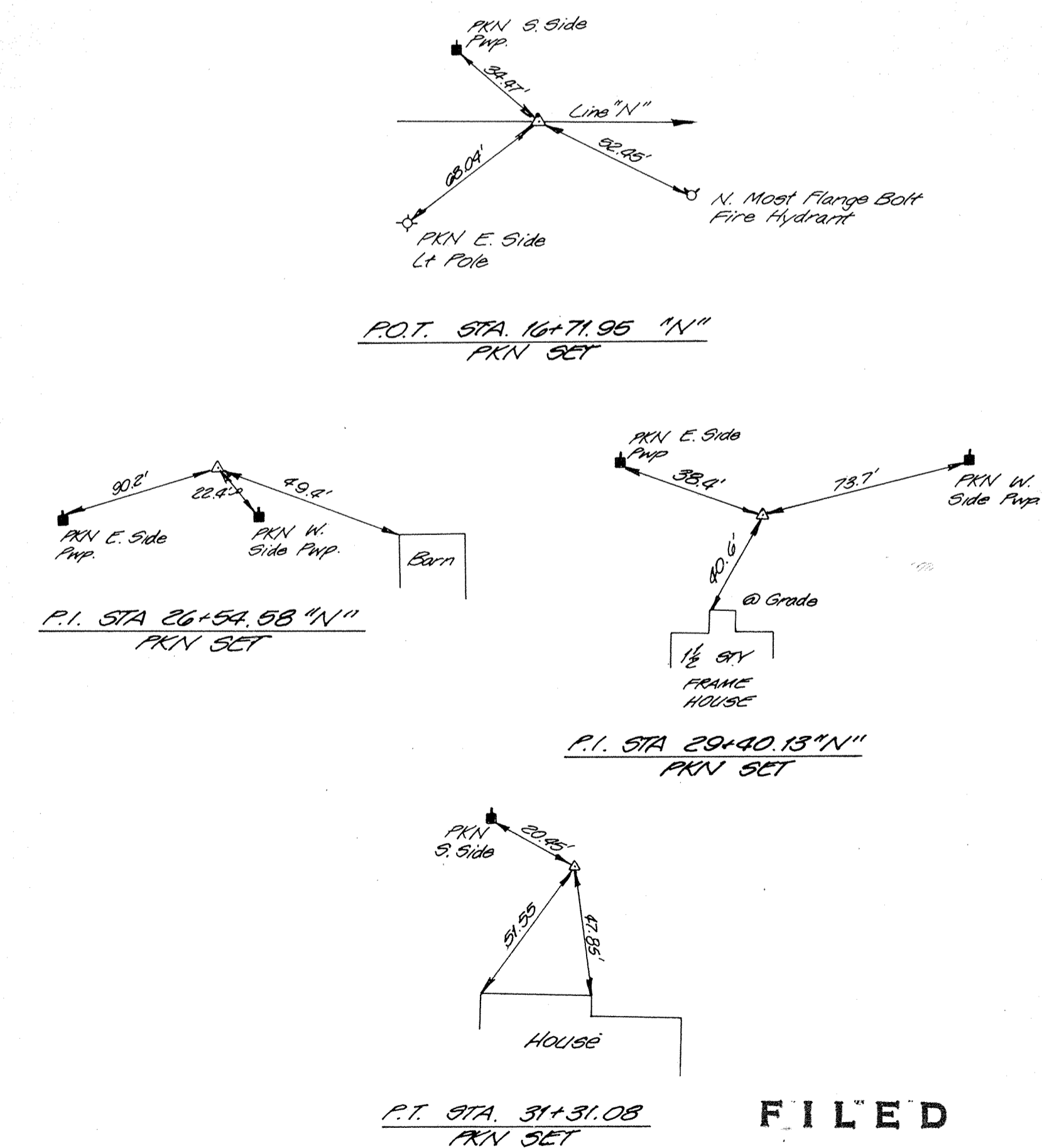
BM1 EL. 876.57

USGS BRONZE DISK MARKED "HAMG11" SET IN NORTHEAST SIDE OF SOUTH HEADWALL IN WEST WING WALL OF CULVERT ON S.R. 32 OVER BOWMAN DITCH.

TBM EL. 890.71

RAILROAD SPIKE SET IN SOUTH SIDE POWER POLE IN NORTHWEST CORNER OF INTERSECTION UNION STREET AND HOOVER STREET.

CONTROL POINT REFERENCES



FILED

JUN 03 1991

OFFICE OF HAMILTON COUNTY SURVEYOR

VERIFY SCALES	SYMBOL	REVISIONS	BY	DATE	APPROVED
BAR IS ONE INCH ON ORIGINAL DRAWING.					
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.					

DESIGNER: DRG
DRAFTING: K.L.H.
PROJ. ENGR: G.J.T.
PROJ. MGR: J.E.K.
DATE: MAY 91

HOWARD NEEDLES TAMMEN & BERGENDOFF **HNTB**
ARCHITECTS ENGINEERS PLANNERS
225 North New Jersey Street, Indianapolis, Indiana 46204-2135

JOB NO. 14587-21-01
DATE MAY, 91

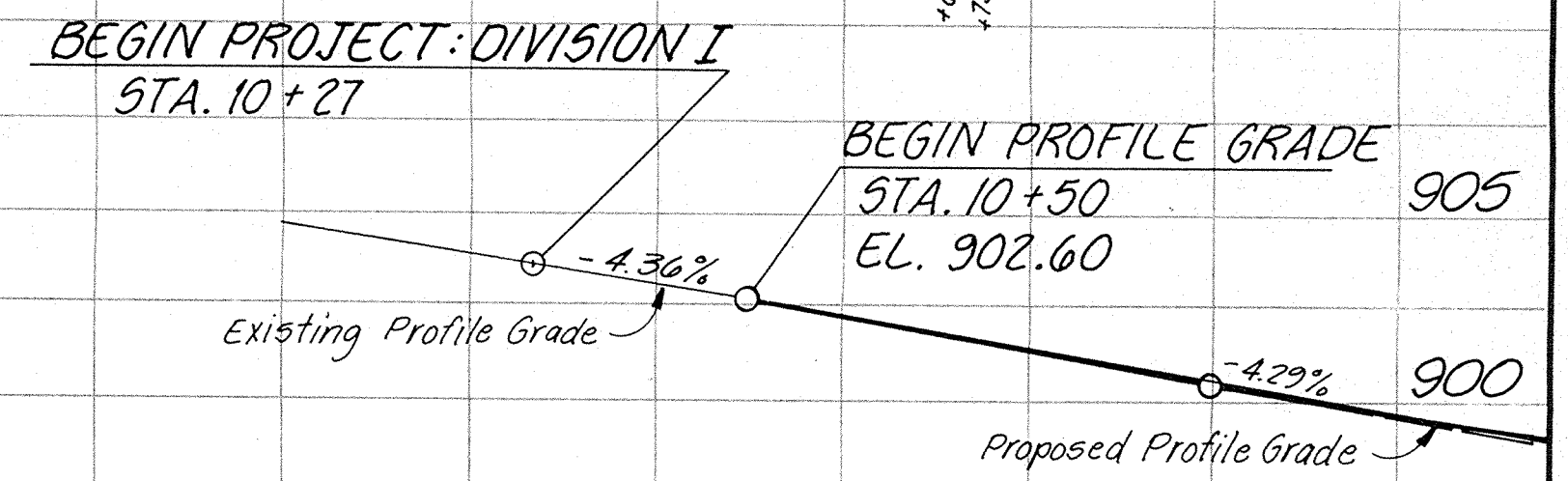
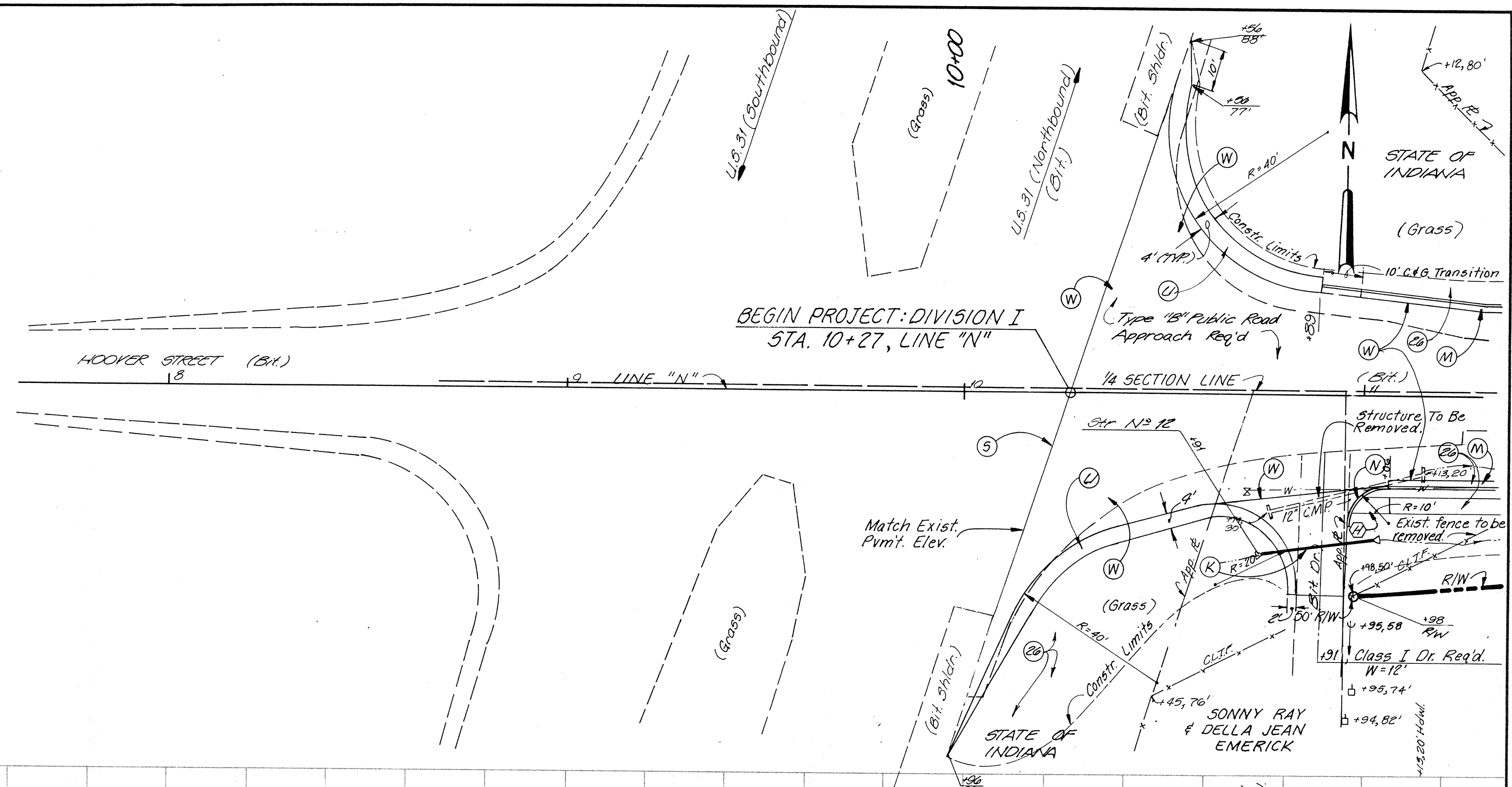
TOWN OF WESTFIELD, INDIANA
HOOVER STREET IMPROVEMENTS
DIVISION I & II
GENERAL INFORMATION

SHEET NO. 2

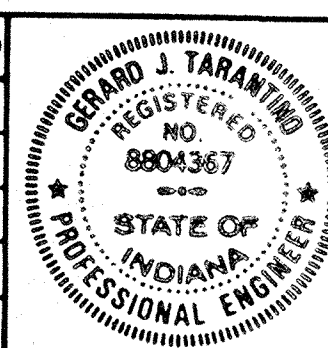
LEGEND

(Typical for all Sheets)

- (F) 4" Concrete Sidewalk
- (J) 6" Cement Concrete Pavement for Driveways
- (K) Bituminous Mixture for Approaches
110#/5yd. Bit. Surface on
220#/5yd. Bit. Binder on
3" Compacted Aggregate Type "O", No. 53
- (L) Bituminous Mixture for Street Approach
110#/5yd. Bit. Surface on
220#/5yd. Bit. Binder on
660#/5yd. Bit. Base
(2 Lifts) on
6" Compacted Aggregate Type "O", No. 53
- (M) Concrete Curb & Gutter
- (N) Concrete Curb
- (S) Sawcut
- (H) Indicates Type of Handicap Ramp
- (W) Bituminous Pavement
110#/5ys. Bituminous Surface on
220#/5ys. Bituminous Binder on
990#/5ys. Bituminous Base
(3 Lifts) on
- (T) Rolled Curb and Gutter
- (U) Bituminous Mixture For Shoulder
330#/13yd. Bituminous Base on
1/2" Compacted Aggregate Type "O", No. 53
w/ Seal Coat Type 5 (2' Width)
- (26) Seeding
- (27) Sodding



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0 1"					
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.					



DESIGNER: GJT
 DRAFTING: TLH
 PROJ. ENGR: GJT
 PROJ. MGR: JEK
 BY: Gerard J. Taramino
 DATE: 5-24-91

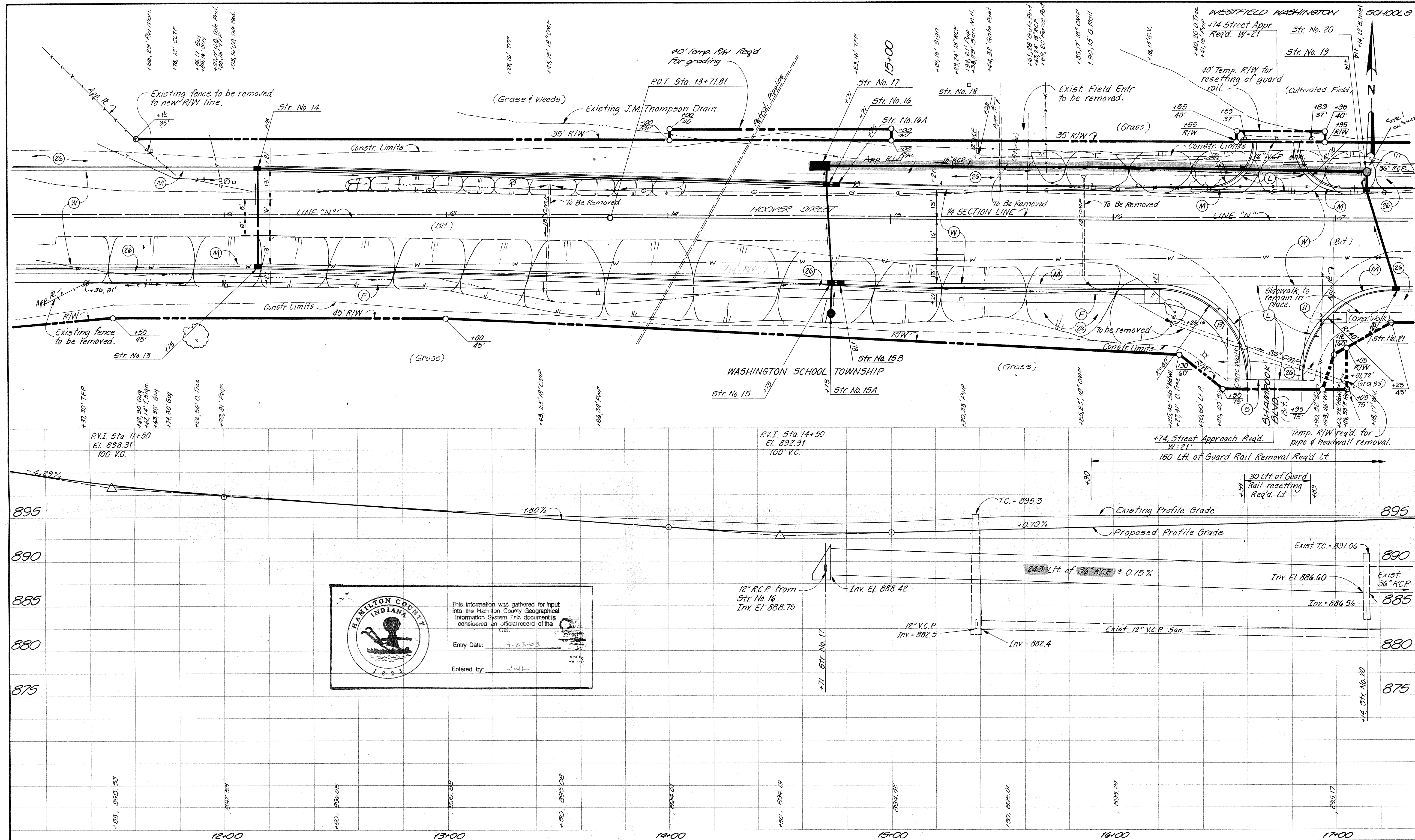
HOWARD NEEDLES TAMMEN & BERGENDOFF HNTB
 ARCHITECTS ENGINEERS PLANNERS
 225 N. NEW JERSEY, INDIANAPOLIS, INDIANA 46204-2135


JOB NO. 14587-21-01
 DATE MAY, 91

TOWN OF WESTFIELD, INDIANA
 HOOVER STREET IMPROVEMENTS
 DIVISION I
 PLAN AND PROFILE

SHEET NO. 4

FILED
 JUN 03 1991
 OFFICE OF HAMILTON COUNTY SURVEYOR




 This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.
 Entry Date: 9-23-93
 Entered by: JWL

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REVISIONS	BY	DATE	APPROVED



DESIGNER: GJT
 DRAFTING: T.L.H.
 PROJ. ENGR.: GJT
 PROJ. MGR.: JEX
 BY: Howard J. Tammem
 DATE: 5-31-91

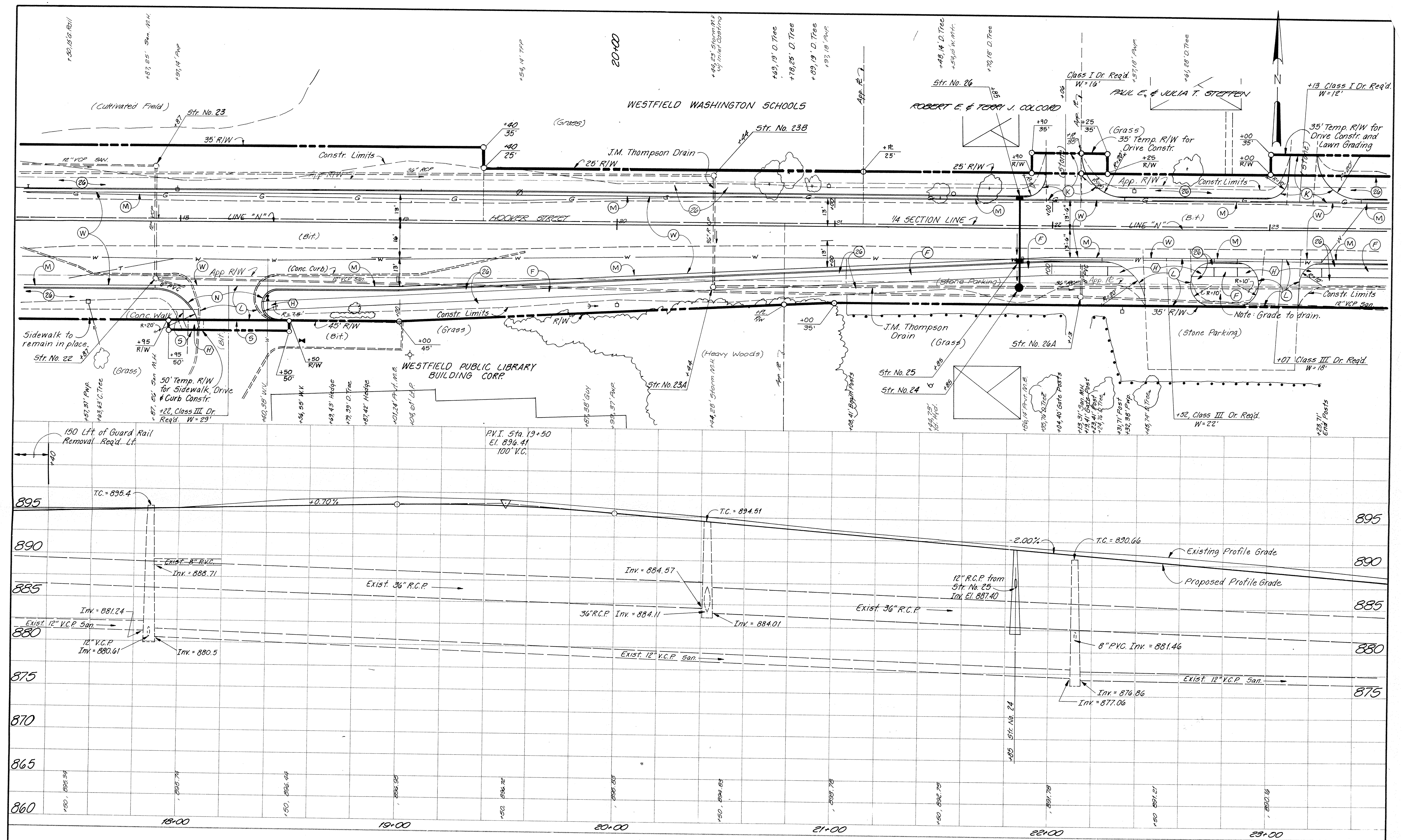
HOWARD NEEDLES TAMMEN & BERGENDOFF **HNTB**
ARCHITECTS ENGINEERS PLANNERS
225 N. NEW JERSEY, INDIANAPOLIS, INDIANA 46204-2135

JOB NO. 14587-21-01
 DATE MAY, 91

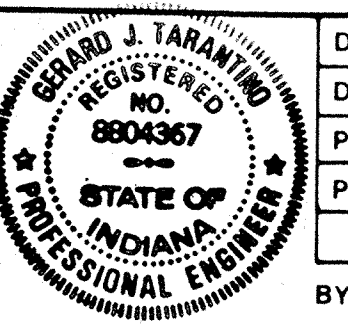
TOWN OF WESTFIELD, INDIANA
 HOOVER STREET IMPROVEMENTS
 DIVISION I
 PLAN AND PROFILE

SHEET NO. 5

This copy printed from the Digital Archive of the Hamilton County Surveyor's Office; One Hamilton Co. Square, Ste. 188, Noblesville, In 46060



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DESIGNER: GJT
 DRAFTING: TLH
 PROJ. ENGR.: GJT
 PROJ. MGR.: JEK
 BY: Howard J. Tarantini
 DATE: 5-31-91

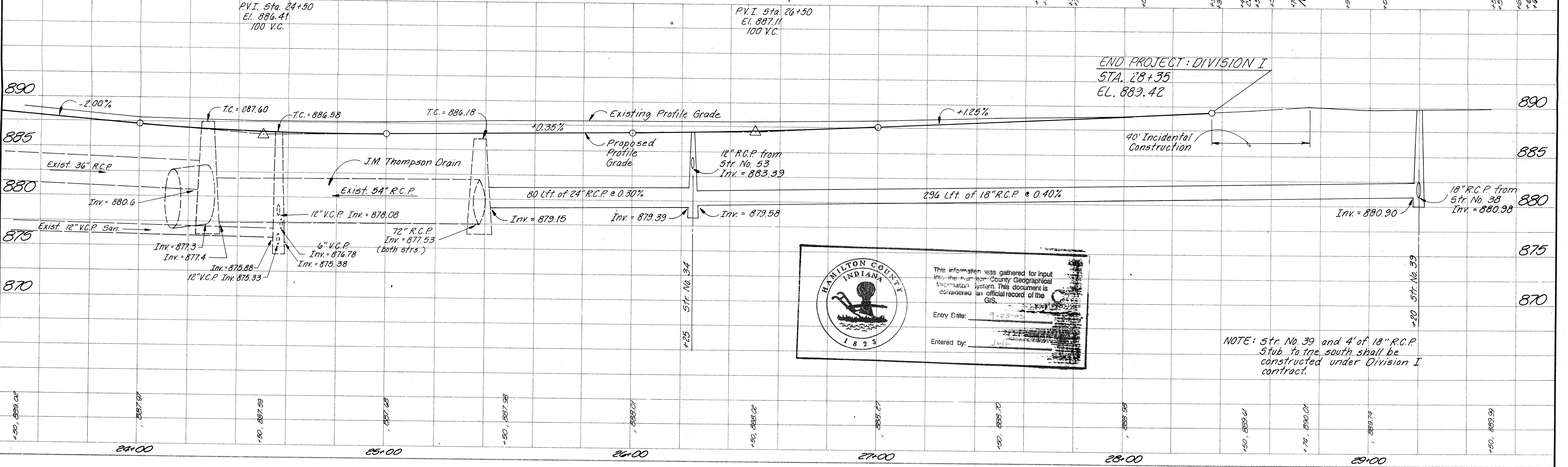
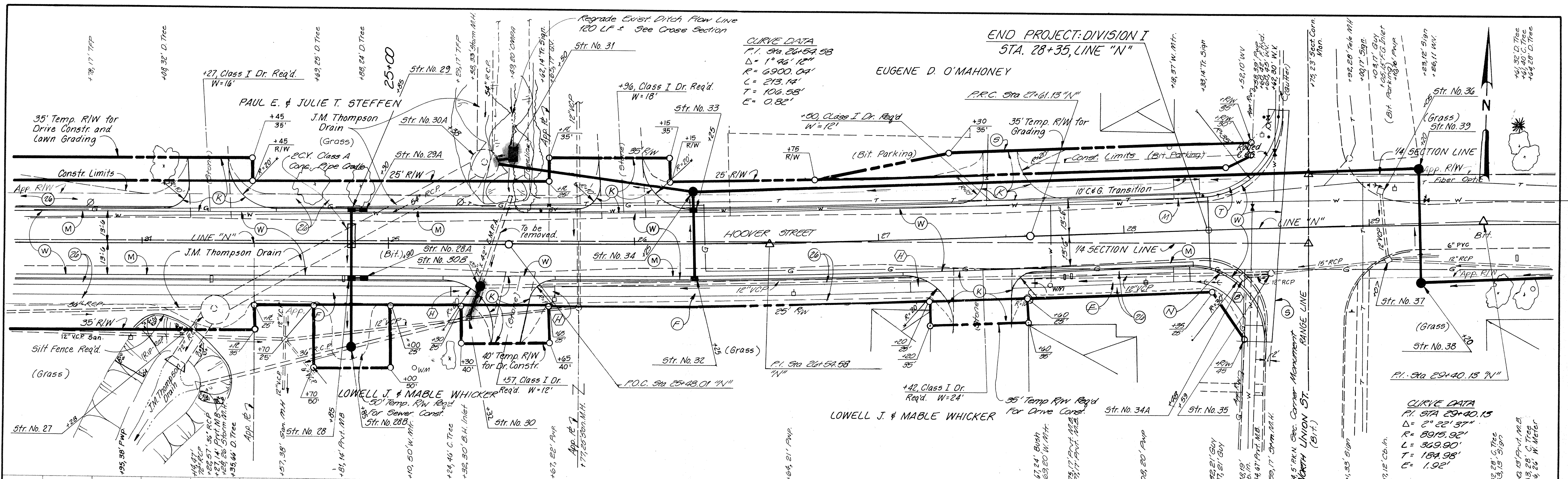
HOWARD NEEDLES TAMMEN & BERGENDOFF **HNTB**
 ARCHITECTS ENGINEERS PLANNERS
 225 N. NEW JERSEY, INDIANAPOLIS, INDIANA 46204-8128

JOB NO. 14587-21-01
 DATE MAY, 91

TOWN OF WESTFIELD, INDIANA
 HOOVER STREET IMPROVEMENTS
 DIVISION I
 PLAN AND PROFILE

SHEET NO. 6

FILED
 JUN 03 1991
 OFFICE OF HAMILTON COUNTY SURVEYOR



HAMILTON COUNTY INDIANA

This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

Entry Date: 9-23-03

Entered by: J. [Signature]

NOTE: Str. No. 39 and 4' of 18" R.C.P. Stub to the south shall be constructed under Division I contract.

VERIFY SCALES	SYMBOL	REVISIONS	BY	DATE	APPROVED
BAR IS ONE INCH ON ORIGINAL DRAWING.					
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.					

SEAL: GRAND J. TARRANT, REGISTERED PROFESSIONAL ENGINEER, STATE OF INDIANA, LICENSE NO. 2804369

DESIGNER: G.J.T.
DRAFTING: T.L.H.
PROJ. ENGR.: G.J.T.
PROJ. MGR.: J.E.K.

DATE: 5-21-91

HOWARD NEEDLES TAMMEN & BERGENDOFF HNTB

ARCHITECTS ENGINEERS PLANNERS

225 N. NEW JERSEY, INDIANAPOLIS, INDIANA 46204-0135

JOB NO. 14587-21-01

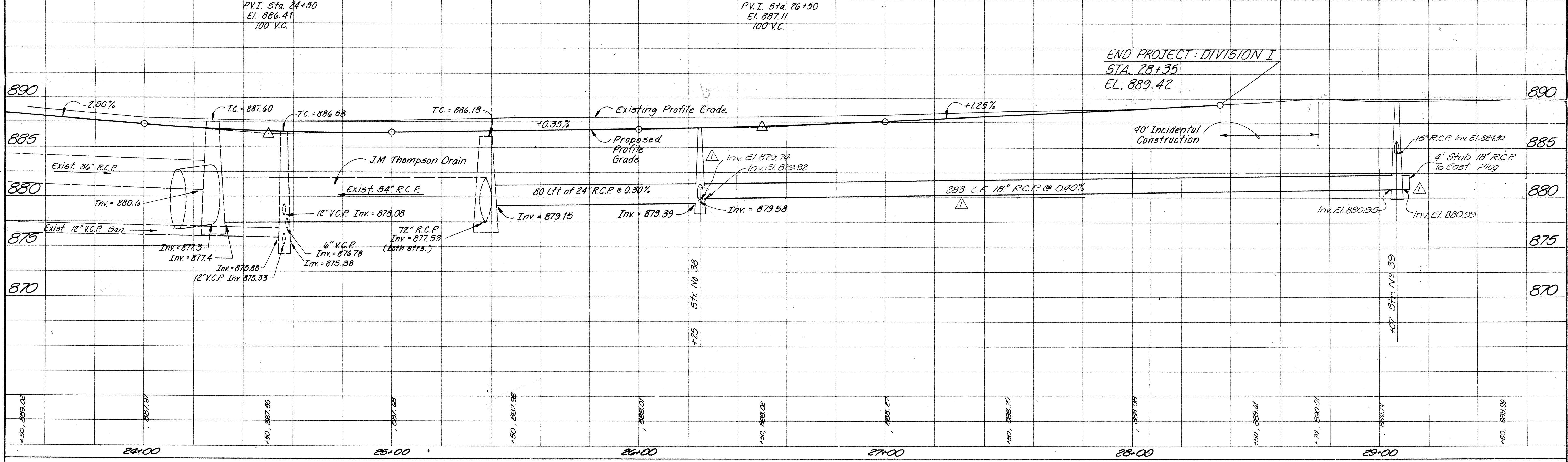
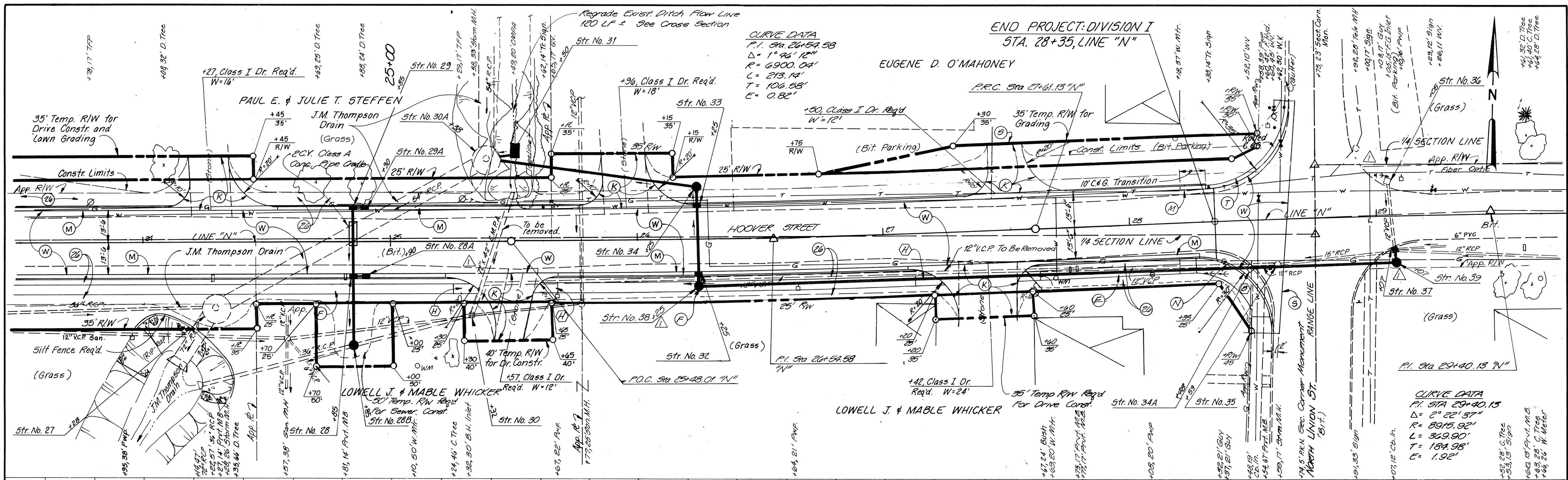
TOWN OF WESTFIELD, INDIANA
HOOVER STREET IMPROVEMENTS

DIVISION I

PLAN AND PROFILE

SHEET NO. 7

DATE: MAY, 91



VERIFY SCALES	SYMBOL	REVISIONS	BY	DATE	APPROVED
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 = 1' IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	△	Change Order N#2 - Relocated Sew. To South Side	DRC	8-7-92	

DESIGNER: GJT
 DRAFTING: TLH
 PROJ. ENGR: GJT
 PROJ. MGR: JJK
 BY: *Eugene D. O'Mahoney*
 DATE: 5-8-91

HNTB
 ARCHITECTS ENGINEERS PLANNERS
 225 N. NEW JERSEY, INDIANAPOLIS, INDIANA 46204-2135

JOB NO. 14587-21-01
 TOWN OF WESTFIELD, INDIANA
 HOOVER STREET IMPROVEMENTS
 DIVISION I
 PLAN AND PROFILE
 SHEET NO. 7
 DATE: MAY, 91

STRUCTURE DATA

FEDERAL ROAD REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IND.			10	

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE INCHES	GROUP	DESCRIPTION		LENGTH	SKEW	FLOW LINE			CONCRETE CLASS "A"	"B" BORROW FOR STR. CU. YDS.	BACKFILL METHOD	GAGES OR THICKNESS		VELOCITY	RIPRAP	PIPE END SECTION	DIVISION	REMARKS	
							SEE ST'D. SHEET "MP" FOR ACCEPTABLE TYPE OF PIPE WITHIN EACH GROUP.	SEE ST'D. SHEET "MP" FOR ACCEPTABLE TYPE OF PIPE WITHIN EACH GROUP.			UP	DOWN	STEEL				ALUM.							
							ELEV.	ELEV.			ELEV.	ELEV.	CU. YDS.				CU. YDS.							
12	10+91		X		15"		R.C.P. Culvert		30			897.90	897.46		1.3						2	I		
13	12+15		X		12"		Inlet, Type "J-10"		45	2		893.79	893.35		14.3	A							I	Connect to Str. No. 14
14	12+15	X			12"		Inlet, Type "M-10"		258	2		893.27	888.90		82.1	A							I	Connect to Str. No. 16
15	14+73		X		12"		Inlet, Type "M-10"		45	2		889.35	888.90		14.3	A							I	Connect to Str. No. 16
15A	14+73	X			12"		24" Pipe Catch Basin		15			889.50	889.35		0.5								I	Connect to Str. No. 15
15B	14+78	X			12"		Inlet, Type "J-10"		5	2		889.40	889.35		1.6	A							I	Connect to Str. No. 15
16	14+71	X			12"		Inlet, Type "M-10"		15			888.90	888.75		0.5								I	Connect to Str. No. 17
16A	14+76	X			12"		Inlet, Type "J-10"		5	2		888.95	888.90		1.6	A							I	Connect to Str. No. 16
17	14+71	X			36"		Type II G.B.E.S.		243			888.42	886.60		36.5								I	Connect to Str. No. 20
18	15+38	29'					Exist. San. M.H.		0						0.0								I	Adjust Casting to Grade
19	17+14	X			12"		Inlet, Type "M-10"		10			891.02	890.92		0.3								I	Connect to Str. No. 20
20	17+14	22'					Exist. Beehive Inlet		0						0.0								I	Reconstruct Manhole & Adjust Casting to Grade
21	17+28	X			12"		Inlet, Type "J-10"		47	2		891.49	891.02		15.0	A							I	Connect to Str. No. 19
22	17+87	26'					Exist. San. M.H.		0						0.0								I	Adjust Casting to Grade
23	17+87	25'					Exist. San. M.H.		0						0.0								I	Adjust Casting to Grade
23A	20+44	28'					Exist. Storm M.H.		0						0.0								I	Adjust Casting to Grade
23B	20+44	23'					Exist. Storm M.H.		0						0.0								I	Adjust Casting to Grade
24	21+85	27'					Manhole, Type "H-4"		0						0.0								I	Constr. New M.H. Over Exist. 36" Storm
25	21+85	X			12"		Inlet, Type "M-10"		15	2		887.55	887.40		4.8	A							I	Connect to Str. No. 24
26	21+85	X			12"		Inlet, Type "J-10"		28			887.83	887.55		0.9								I	Connect to Str. No. 25
26A	22+13	31'					Exist. San. Manhole		0						0.0								I	To Remain in Place
27	24+25	26'					Exist. Storm M.H.		0						0.0								I	Adjust Casting to Grade
28	24+85	X			12"		Inlet, Type "M-10"		27	2		882.98	882.71		8.6	A							I	Connect to Str. No. 28B
28A	24+90	X			12"		Inlet, Type "J-10"		5	2		883.38	883.31		1.6	A							I	Connect to Str. No. 28
28B	24+90	42'					Manhole, Type "C-4"		0						0.0								I	Construct M.H. over Exist. 36" R.C.P.
29	24+85	X			12"		Inlet, Type "M-10"		28			883.26	882.98		0.9								I	Connect to Str. No. 28
29A	24+90	X			12"		Inlet, Type "J-10"		5	2		883.31	883.26		1.6	A							I	Connect to Str. No. 29
30	25+32	30'					Exist. Beehive Inlet		0						0.0								I	Adjust Casting to Grade Remove 72"x42" C.M.P.A. From North
30A	25+38	33'					Exist. Storm M.H.		0						0.0								I or II	East Wall to be Reconstructed ***
30B	Deleted																							
31	25+50	35'			24"		Type II G.B.E.S.		8			880.64	880.56		0.6								I	Connect to Str. No. 30A. Regrade Ditch From North
32	26+25	X			18" 12"		Inlet, Type "M-10"		28	2		879.72	879.61		8.9	A							I	Connect to Str. No. 33
33	26+25	X			24" 12"		Inlet, Type "M-10"		8			879.61	879.58		0.3								I	Connect to Str. No. 34
34	26+25	22'			24"		Manhole, Type "C-4"		80			879.39	879.15		5.6								I	Connect to Str. No. 30A
34A	28+48	19'					Exist. Inlet		0						0.0								I	Exist. Inlet Pipe To Be Removed

STRUCTURE NUMBER	LOCATION	LEFT	RIGHT	CROSS	SIZE INCHES	GROUP	DESCRIPTION		LENGTH	SKEW	FLOW LINE			CONCRETE CLASS "A"	"B" BORROW FOR STR. CU. YDS.	BACKFILL METHOD	GAGES OR THICKNESS		VELOCITY	RIPRAP	PIPE END SECTION	DIVISION	REMARKS		
							SEE ST'D. SHEET "MP" FOR ACCEPTABLE TYPE OF PIPE WITHIN EACH GROUP.	SEE ST'D. SHEET "MP" FOR ACCEPTABLE TYPE OF PIPE WITHIN EACH GROUP.			UP	DOWN	STEEL				ALUM.								
							ELEV.	ELEV.			ELEV.	ELEV.	CU. YDS.				CU. YDS.								
35	28+59						Exist. Storm M.H.		0						0.0								I	Exist. Str. # 12" Pipe To Be Removed	
36	29+05	X					Exist. Inlet		0						0.0								I	Connect to Str. No. 37	
37	29+07		X		15"		Inlet Type "M-10"		6			884.35	884.30		2.7								I	Exist. Inlet # 15" Pipe To Be Removed	
38	26+25		19'		18"		Manhole, Type "C-4"		5	7		879.74	879.72		55.7	A							I	Connect to Str. No. 32	
39	29+07		19'		18"		Manhole, Type "C-4"		283			880.95	879.82		15.1								I	Connect to Str. No. 38	
40	30+50	X			18"		Manhole, Type "C"		129			881.62	881.10		6.6								II	Connect to Str. No. 38	
41	30+50	X			12"		Inlet, Type "M-10"		7			885.24	885.17		0.2								II	Connect to Str. No. 40	
41A	30+55	X			12"		Inlet, Type "J-10"		5	2		885.34	885.29		1.6	A							II	Connect to Str. No. 41	
42	30+50	X			12"		Inlet, Type "J-10"		28	2		885.52	885.24		8.9	A							II	Connect to Str. No. 41	
42A	30+55	X			12"		Inlet, Type "J-10"		5	2		885.57	885.52		1.6	A							II	Connect to Str. No. 42	
43	32+12	25'			15"		Manhole, Type "C-4"		165			883.07	881.83		6.9								II	Connect to Str. No. 40, Remove Exist. C.B., Connect Exist. 12" From S. & E.	
44	32+12	X			12"		Inlet, Type "M-10"		10			886.27	886.17		0.3								II	Connect to Str. No. 43	
44A	32+12	X			12"		Inlet, Type "J-10"		28	2		886.55	886.27		8.9	A							II	Connect to Str. No. 44	
45	32+19	12'					Exist. San. M.H.		0						0.0								II	Adjust Casting to Grade	
46	32+35	13'					Exist. Beehive Inlet		0						0.0								II	Exist. Inlet to be Removed, Seal Pipes	
47	34+05	22'			12"		Manhole, Type "C-4"		195			886.23	884.77		6.6								II	Connect to Str. No. 43	
48	34+05	X			12"		Inlet, Type "M-10"		7			887.72	887.65		0.2								II	Connect to Str. No. 47	
49	34+05	X			12"		Inlet, Type "J-10"		29	2		888.00	887.72		9.2	A							II	Connect to Str. No. 48	
50	39+05	X			12"		Inlet, Type "J-10"		28	2		887.57	887.49		8.9	A							II	Connect to Str. No. 51	
51	39+05	X			12"		Inlet, Type "M-10"		150	2		887.49	887.04		47.8	A							II	Connect to Str. No. 53	
51A	40+39	23'			15"		R.C.P. Culvert		18			887.60	887.52		0.8							2	II	Construct Outlet Ditch to Match Ditch # From Str. No. 53	
52	40+55	X			12"		Inlet, Type "M-10"		42	2		887.25	887.04		13.4	A							I	II	Connect to Str. No. 53, Construct Inlet Ditch As Req'd
53	40+55	X			12"		Inlet, Type "M-10"		8			887.04	887.00		0.3								I	II	Construct Outlet Ditch As Req'd See Plan & Profile For Ditch #
54	40+67	14'					Exist. San. Manhole		0						0.0								II	Adjust Casting to Grade	

* These structures are to be removed only if Division I and Division II are constructed concurrently.
 ** This structure not required if Division I and Division II are constructed concurrently.
 *** These structures are to be constructed under either Division.

LEGEND FOR ABBREVIATION

F.B.C.C.S./P.I.	FULLY BITUMINOUS COATED CORRUGATED STEEL WITH PAVED INVERT.	F.B.C.S.A./P.I.	FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH WITH PAVED INVERT.
F.B.C.C.A.A./P.I.	FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY WITH PAVED INVERT.	F.B.C.C.A.A./P.I.	FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ARCH WITH PAVED INVERT.
F.B.C.C.S.	FULLY BITUMINOUS COATED CORRUGATED STEEL.	F.B.C.C.A.	FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH.
C.S.	CORRUGATED STEEL.	F.B.C.C.A.A.	FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ARCH.
C.A.A.	CORRUGATED ALUMINUM.	C.S.A.	CORRUGATED STEEL ARCH.
S.P.S.	STRUCTURAL PLATE STEEL.	C.A.A.	CORRUGATED ALUMINUM ARCH.
		S.P.S.A.	STRUCTURAL PLATE STEEL ARCH.

DATE _____
 BY: DRC
 DRAWN: M.J.G.
 PROJECT ENGR: G.J.T.
 PROJECT MOR: J.E.K.
HNTB

Change Order No. 2 Relocated Sew. To S. Side Of St. D.R.C. 8-7-92

FILED
 NOV 0 5 1992
 OFFICE OF HAMILTON COUNTY SURVEYOR